JUDGE DOYLE SQUARE - BLOCK 88

CITY OF MADISON - NEW MUNICIPAL PARKING FACILITY

PUBLIC WORKS CONTRACT #: 7952 - MUNIS #: 11471

PROJECT SCOPE - PHASE 1 PERMIT:

THE JUDGE DOYLE SQUARE, BLOCK 88, MADISON, WISCONSIN COMPRISES TWO PHASES.

PHASE 1 IS THE ABOVE GRADE LEVEL(S) – LEVELS 1-3 (PARTIAL), AND BELOW GRADE LEVELS - U-4 TO U-0, WHICH COMPRISE AND ENVELOPE A PUBLIC PARKING STRUCTURE FOR THE CITY OF MADISON. PHASE 2 IS A PRIVATE HIGH RISE APARTMENT AND RETAIL BUILDING – LEVELS 1-3(PARTIAL) THROUGH 13 AND ROOF, AS WELL AS IMPROVEMENTS TO THE PUBLIC WAY AND EXTERIOR AREAS ADJACENT. PHASE 2 IMPROVEMENTS ARE IDENTIFIED ON THE PLANS AS "NIC – SUBJECT TO SEPARATE PERMIT".

THIS APPLICATION FOR PERMIT IS FOR PHASE 1, ALTHOUGH FEATURES OF PHASE 1 MAY BE MODIFIED TO ANTICIPATE THE HIGH RISE CODE PROVISIONS OF PHASE 2.

FOR REFERENCE ONLY

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PUBLIC IMPROVEMENT PROJECT APPROVED:	PUBLIC IMPROVEMENT DESIGN APPROVED BY:
RES – 17-00364	
FILE ID 46835	CITY ENGINEER
DATE May 2, 2017 .	
BY THE COMMON COUNCIL OF MADISON, WI	DATE

BULLETIN #7
OCTOBER 15, 2018

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P-103.0	PLUMBING LEVEL 3 PLAN																	•
P-104.0	PLUMBING LEVEL 4 PLAN																	•
P-105.0	PLUMBING LEVEL 5 PLAN																	•
P-400.0	PLUMBING ENLARGED VIEWS		•	•	•	•	•			•		•		•	•			
P-500.0	PLUMBING DETAILS AND SCHEDULES		•	•	•	•	•			•		•	•	•	•			•
P-700.0	DOMESTIC WATER ISOMETRIC DIAGRAM		•	•	•	•	•	•		•		•			•			
P-701.0	SANITARY WASTE & VENT ISOMETRIC DIAGRAM		•	•	•	•	•	•		•		•	•	•	•			
P-702.0	CLEARWATER WASTE AND VENT ISOMETRIC DIAGRAM		•	•	•	•	•			•					•			
ELECTRICAL																		
E-000.0	ELECTRICAL SYMBOLS & ABBREVIATIONS		•	•	•	•	•			•								
E-001.0	ELECTRICAL SITE PLAN		•	•	•	•	•			•								
E-100.1	LIGHTING UNDERGROUND PARKING PLAN - LEVEL U4		•	•	•	•	•			•								
E-100.2	LIGHTING UNDERGROUND PARKING PLAN - LEVEL U3		•	•	•	•	•			•								
E-100.3	LIGHTING UNDERGROUND PARKING PLAN - LEVEL U2		•	•	•	•	•			•			•					
E-100.4	LIGHTING UNDERGROUND PARKING PLAN - LEVEL U1		•	•	•	•	•			•								
E-100.5	LIGHTING UNDERGROUND PARKING PLAN - LEVEL U0		•	•	•	•	•	•		•								
E-101.0	LIGHTING LEVEL 1 PLAN - WILSON STREET		•	•	•	•	•	•		•			•	•				•
E-102.0	LIGHTING LEVEL 2 PLAN - DOTY STREET		•	•	•	•	•	•		•			•			•	•	•
E-103.0	LIGHTING LEVEL 3 PLAN																	•
E-104.0	LIGHTING LEVEL 4 PLAN																	•
E-110.1	POWER UNDERGROUND PARKING PLAN - LEVEL U4		•	•	•	•	•			•			•			•		•
E-110.2	POWER UNDERGROUND PARKING PLAN - LEVEL U3		•	•	•	•	•			•						•		•
E-110.3	POWER UNDERGROUND PARKING PLAN - LEVEL U2		•	•	•	•	•	•		•						•		•
E-110.4	POWER UNDERGROUND PARKING PLAN - LEVEL U1		•	•	•	•	•			•						•		•
E-110.5	POWER UNDERGROUND PARKING PLAN - LEVEL U0		•	•	•	•	•	•		•			•	•		•		•
E-111.0	POWER LEVEL 1 PLAN - WILSON STREET		•	•	•	•	•			•			•	•		•		
E-112.0	POWER LEVEL 2 PLAN - DOTY STREET		•	•	•	•	•			•			•			•		
E-113.0	POWER LEVEL 3 PLAN															•		
E-114.0	POWER LEVEL 4 PLAN															•		
E-120.1	SYSTEMS UNDERGROUND PARKING PLAN - LEVEL U4		•	•	•	•	•			•								
E-120.2	SYSTEMS UNDERGROUND PARKING PLAN - LEVEL U3		•	•	•	•	•			•								
E-120.3	SYSTEMS UNDERGROUND PARKING PLAN - LEVEL U2		•	•	•	•	•			•								
E-120.4	SYSTEMS UNDERGROUND PARKING PLAN - LEVEL U1		•	•	•	•	•			•						•	•	
E-120.5	SYSTEMS UNDERGROUND PARKING PLAN - LEVEL U0		•	•	•	•	•	•		•								
E-121.0	SYSTEMS LEVEL 1 PLAN - WILSON STREET		•	•	•	•	•			•			•	•				
E-122.0	SYSTEMS LEVEL 2 PLAN - DOTY STREET		•	•	•	•	•			•			•			•	•	
E-400.0	ELECTRICAL ENLARGED VIEWS		•	•	•	•	•			•				•				
E-401.0	TECHNOLOGY ENLARGED VIEWS									•								
E-500.0	ELECTRICAL DETAILS		•	•	•	•	•			•								
E-501.0	ELECTRICAL DETAILS			•	•	•	•			•								
E-600.0	ELECTRICAL WIRING SCHEDULES		•	•	•	•	•			•								
E-601.0	LUMINAIRE SCHEDULE		•	•	•	•	•			•			•					•
E-602.0	EQUIPMENT SCHEDULE		•	•	•	•	•			•				•		•		•
E-603.0	ELECTRICAL PANEL SCHEDULES		•	•	•	•	•			•							•	
E-604.0	ELECTRICAL PANEL SCHEDULES		•	•	•	•	•	•		•							•	•
E-605.0	ELECTRICAL PANEL SCHEDULES		•	•	•	•	•	•		•							•	•
E-700.0	ELECTRICAL RISER DIAGRAM		•	•	•	•	•			•				•		•		
E-701.0	GROUNDING RISER DIAGRAM		•	•	•	•	•			•								
E-702.0	FIRE ALARM RISER DIAGRAM AND MATRIX		•	•	•	•	•			•								
SECURITY																		
T-001.0	NOTES, SYMBOLS, & ABBREVIATIONS		•	•	•	•	•			•		•						
T-120.1	UNDERGROUND PARKING PLAN - LEVEL U4 - SECURITY		•	•	•	•	•			•		•						
T-120.2	UNDERGROUND PARKING PLAN - LEVEL U3 - SECURITY		•	•	•	•	•			•		•						
T-120.3	UNDERGROUND PARKING PLAN - LEVEL U2 - SECURITY		•	•	•	•	•			•		•						
T-120.4	UNDERGROUND PARKING PLAN - LEVEL U1 - SECURITY		•	•	•	•	•			•		•						
T-120.5	UNDERGROUND PARKING PLAN - LEVEL U0 - SECURITY		•	•	•	•	•			•		•						
T-121.0	LEVEL 1 PLAN - WILSON STREET ENTRANCE - SECURITY		•	•	•	•	•			•		•						
T-122.0	LEVEL 2 PLAN - DOTY ST. ENTRY - SECURITY		•	•	•	•	•			•		•						
T-401.1	ENLARGED PLANS			•	•	•	•			•		•						
T-501.0	DETAILS		•	•	•	•	•			•		•						
T-601.0	SCHEDULES		•	•	•	•	•			•		•						
T-701.0	ONE-LINE DIAGRAMS		•	•	•	•	•			•		•						
FIRE PROTECTION																		
F-000.0	FIRE PROTECTION SYMBOLS & ABBREVIATIONS		•	•	•	•	•			•								
F-100.1	FIRE PROTECTION UNDERGROUND PARKING PLAN - LEVEL U4		•	•	•	•	•			•								
F-100.2	FIRE PROTECTION UNDERGROUND PARKING PLAN - LEVEL U3		•	•	•	•	•			•								
F-100.3	FIRE PROTECTION UNDERGROUND PARKING PLAN - LEVEL U2		•	•	•	•	•			•								
F-100.4	FIRE PROTECTION UNDERGROUND PARKING PLAN - LEVEL U1		•	•	•	•	•			•						•	•	
F-100.5	FIRE PROTECTION UNDERGROUND PARKING PLAN - LEVEL U0		•	•	•	•	•			•						•	•	
F-101.0	FIRE PROTECTION LEVEL 1 PLAN - WILSON STREET ENTRANCE		•	•	•	•	•			•						•	•	
F-102.0	FIRE PROTECTION LEVEL 2 PLAN - DOTY STREET ENTRANCE		•	•	•	•	•			•						•	•	
F-500.0	FIRE PROTECTION DETAILS		•	•	•	•	•			•						•	•	
F-700.0	FIRE PROTECTION DIAGRAM			•	•	•	•			•						•	•	
PARKING																		
PA-100.1	UNDERGROUND PARKING PLAN - LEVEL U4	•	•	•	•	•	•			•			•					
PA-100.2	UNDERGROUND PARKING PLAN - LEVEL U3	•	•	•	•	•	•			•			•					
PA-100.3	UNDERGROUND PARKING PLAN - LEVEL U2	•	•	•	•	•	•	•		•			•					
PA-100.4	UNDERGROUND PARKING PLAN - LEVEL U1	•	•	•	•	•	•			•			•					
PA-100.5	UNDERGROUND PARKING PLAN - LEVEL U0	•	•	•	•	•	•		•	•			•					
PA-101.0	LEVEL 1 PLAN - WILSON STREET ENTRANCE	•	•	•	•	•	•	•		•			•					
PA-102.0	LEVEL 2 PLAN - DOTY STREET ENTRANCE	•	•	•	•	•	•			•			•					
PA-401.0	ENLARGED PLANS		•	•	•	•	•	•		•			•					
PA-601.0	SIGN SCHEDULE AND COMPONENTS	•	•	•	•	•	•	•	•	•			•					
PA-701.0	SIGN MOUNTING DETAILS	•	•	•	•	•	•	•		•			•					

General Notes

NOTE : SHEETS LABELED **FRO** ARE ISSUED FOR REFERENCE ONLY

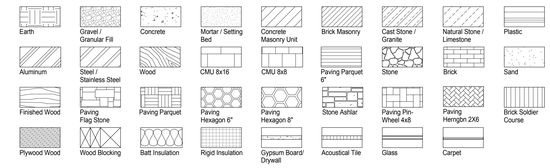
No.	Description	Date
17	BULLETIN #7	10/15/2018
16	FINAL BULLETIN #6	09/14/2018
15	BULLETIN #6	08/03/2018
14	BULL

ABBREVIATIONS

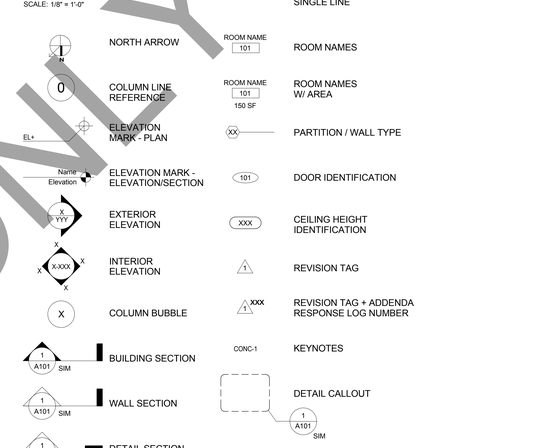
NOTE: SEE SHEET A-501.0 FOR MATERIAL FINISH SCHEDULE & ABBREVIATIONS.

AB	- ANCHOR BOLT
AC	- AIR CONDITIONING
ACC	- ACCESSIBLE
AD	- AREA DRAIN
ADD	- ADDITIONAL
ADJ	- ADJUSTABLE
AFF	- ABOVE FINISH FLOOR
AGGR	- AGGREGATE
ALT	- ALTERNATE
ALUM	- ALUMINUM
ANOD	- ANODIZED
APC	- ACOUSTICAL PANEL CEILING
APPD	- APPROVED
APPROX	- APPROXIMATE
ARCH	- ARCHITECTURAL
ATC	- ACOUSTICAL TILE CEILING
AUTO	- AUTOMATIC
AV	- AUDIO VISUAL
BD	- BOARD
BLDG	- BUILDING
BLK	- BLOCK
BM	- BEAM
BOT	- BOTTOM
BRK	- BRICK
BSMT	- BASEMENT
BUR	- BUILT-UP ROOFING
CAB	- CABINET
CAT	- CATEGORY
CB	- CATCH BASIN
CBU	- CEMENTITIOUS BACKER UNIT
C/C	- CENTER TO CENTER
CEM	- CEMENT
CER	- CERAMIC
CG	- CORNER GUARD
CI	- CAST IRON
CIP	- CAST-IN-PLACE
CJ	- CONTROL JOINT / CONSTRUCTION JOINT
CL	- CENTER LINE
CLG	- CEILING
CLR	- CLEAR
CMU	- CONCRETE MASONRY UNIT
CNTR	- COUNTER
CO	- CLEANOUT
COL	- COLUMN
COMPART	- COMPARTMENT
CONC	- CONCRETE
COND	- CONDITION
CONN	- CONNECTION
CONT	- CONTINUOUS
CONTR	- CONTRACTOR
COORD	- COORDINATE
CORR	- CORRIDOR
CT	- CERAMIC TILE / COOLING TOWER
CTR	- CENTER
CTSK	- COUNTER SUNK
CW	- COLD WATER (PIPING)
D	- DEEP, DEPTH
DA	- DISABLED
DBL	- DOUBLE
DEG	- DEGREE
DEMO	- DEMOLITION
DEPT	- DEPARTMENT
DET	- DETAIL
DF	- DRINKING FOUNTAIN
DIA	- DIAMETER
DIFF	- DIFFUSER
DIM	- DIMENSION
DISP	- DISPENSER
DMPF	- DAMPPROOFING
DN	- DOWN
DO	- DOOR OPENING
DR	- DOOR
DRN	- DRAIN
DS	- DOWNSPOUT
DW	- DISHWASHER, DRYWALL
DWG	- DRAWING
DWR	- DRAWER
E	- EAST
EA	- EACH
EB	- EXPANSION BOLT
EIFS	- EXTERIOR INSULATION AND FINISH SYSTEM
EFS	- EXTERIOR FINISH SYSTEM
EJ	- EXPANSION JOINT
EL	- ELEVATION
ELEC	- ELECTRICAL
ELEV	- ELEVATOR
EMERG	- EMERGENCY
ENCLO	- ENCLOSURE
EP	- ELECTRICAL PANELBOARD
EQ	- EQUAL
EQUIP	- EQUIPMENT
ESCAL	- ESCALATOR
EWC	- ELECTRICAL WATER COOLER
EXH	- EXHAUST
EXP	- EXPANSION
EXIST	- EXISTING
EXT	- EXTERIOR
FA	- FIRE ALARM
FB	- FACE BRICK
FC	- FACE
FD	- FLOOR DRAIN
FDC	- FIRE DEPARTMENT CONNECTION
FND	- FOUNDATION
FE	- FIRE EXTINGUISHER
FEC	- FIRE EXTINGUISHER CABINET
FF&E	- FURNITURE, FINISHES, & EQUIPMENT
FFEL	- FINISH FLOOR ELEVATION
FH	- FLAT HEAD
FHC	- FIRE HOSE CABINET
FIN	- FINISH
FIXT	- FIXTURE
FL	- FLOOR
FLASH	- FLASHING
FLUOR	- FLUORESCENT
FO	- FACE OF
FP	- FIRE PROTECTION
FPG	- FIREPROOFING
FR	- FRAME
FT	- FEET
FRTW	- FIRE RETARDANT TREATED WOOD
FTG	- FOOTING
FURN	- FURNITURE
FURR	- FURRING
FWC	- FABRIC WALLCOVERING
FWP	- FABRIC WRAPPED PANEL
G	- GROUND
GA	- GAUGE / GAGE
GALV	- GALVANIZED
GB	- GRAB BAR
GC	- GENERAL CONTRACT(OR)
GFRC	- GLASS FIBER REINFORCED CONCRETE
GFRG	- GLASS FIBER REINFORCED GYPSUM
GL	- GLASS
GR	- GRADE
GRD	- GROUND
GYPBD	- GYPSUM WALLBOARD
H	- HIGH / HEIGHT
HB	- HOSE BIB
HC	- HOLLOW CORE
HCP	- HANDICAPPED
HDW	- HARDWARE
HDWD	- HARDWOOD
HS	- HEAT STRENGTHEND (GLASS)
HM	- HOLLOW METAL (STEEL FRAME)
HNDRL	- HANDRAIL
HO	- HOLD-OPEN
HORIZ	- HORIZONTAL
HP	- HIGH POINT
HRC	- HOSE REEL CABINET
HR	- HOUR
HT	- HEIGHT
HVAC	- HEATING, VENTILATION, AIR CONDITIONING
HW	- HOT WATER
HYDR	- HYDRAULIC
ID	- INSIDE DIAMETER
IN	- INCH
INCAND	- INCANDESCENT
INCL	- INCLUDED / INCLUDING
INFO	- INFORMATION
INSUL	- INSULATION
INT	- INTERIOR
INTERM	- INTERMEDIATE
INV	- INVERT
IRMA	- INVERTED ROOF MEMBRANE ASSEMBLY
JAN	- JANITOR
JC	- JANITOR'S CLOSET
JST	- JOIST
JT	- JOINT
K	- KIP (1000 LBF)
KG	- KILOGRAM
KIT	- KITCHEN
KO	- KNOCKOUT
LAB	- LABORATORY
LDG	- LANDING
LAM	- LAMINATE / LAMINATION
LAV	- LAVATORY
LB	- POUND
LF	- LINEAR FOOT
LLH	- LONG LEG HORIZONTAL
LLV	- LONG LEG VERTICAL
LN	- LINE
LT	- LIGHT
LP	- LOW POINT
M	- METER
MACH	- MACHINE
MAINT	- MAINTENANCE
MAS	- MASONRY
MATL	- MATERIAL
MAX	- MAXIMUM
MB	- MACHINE BOLT
MBL	- MARBLE
MDF	- MEDIUM DENSITY FIBERBOARD
MEP	- MECHANICAL, ELECTRICAL, PLUMBING
MDO	- MEDIUM DENSITY OVERLAY PLYWOOD
MECH	- MECHANICAL
MEMB	- MEMBRANE
MET	- METAL
MEZZ	- MEZZANINE
MFR	- MANUFACTURER
MH	- MANHOLE
MIN	- MINIMUM
MISC	- MISCELLANEOUS
MM	- MILLIMETER
MO	- MASONRY OPENING
MS	- MACHINE SCREW
MTD	- MOUNTED
MTG	- MOUNTING
MTL	- METAL
MULL	- MULLION
N	- NORTH / PROJECT NORTH
NA	- NOT APPLICABLE
NC	- NOISE CRITERIA
NIC	- NOT IN CONTRACT
NO	- NUMBER
NOM	- NOMINAL
NTS	- NOT TO SCALE
OA	- OUTSIDE AIR
OC	- ON CENTER
OCEW	- ON CENTER EACH WAY
OD	- OUTSIDE DIAMETER/DIMENSION
OFF	- OFFICE
OH	- OVERHEAD
OPH	- OPPOSITE HAND
O/NG	- OPENING
ORK	- OPPOSITE
OPPHD	- OPPOSITE HAND
ORD	- OVERFLOW ROOF DRAIN
OTB	- OPEN TO BELOW
OUTS	- OUTSIDE
OVHD	- OVERHEAD
P	- PAINT
PAV	- PAVING
PARTN	- PARTITION
PBD	- PARTICLEBOARD
PC	- PRECAST CONCRETE
PDF	- POWER DRIVEN FASTENER
PERF	- PERFORATED
PERIM	- PERIMETER
PERP	- PERPENDICULAR
PF	- POINT OF INTERSECTION
PL	- PLATE
PLAM	- PLASTIC LAMINATE
PLAS	- PLASTER
PLBG	- PLUMBING
PLF	- POUNDS PER LINEAR FOOT
PLYWD	- PLYWOOD
PNL	- PANEL
POL	- POLISHED
PR	- PAIR
PREFAB	- PREFABRICATED
PROJ	- PROJECT
PSF	- POUNDS PER SQUARE FOOT
PT	- POINT
PTD	- PAINTED
PTN	- PARTITION
PTR	- PAPER TOWEL RECEPTACLE
QT	- QUARRY TILE
QTY	- QUANTITY
R	- RADIUS OR RISER (PIPING)
RA	- RETURN AIR
RAD	- RADIUS
RB	- RESILIENT BASE
RCP	- REFLECTED CEILING PLAN
RD	- ROOF DRAIN
RECOM	- RECOMMENDED
RECPT	- RECEPTACLE
REC	- RECESSED
REF	- REFERENCE
REFL	- REFLECTED / REFLECTIVE / REFLECT
REFR	- REFRIGERATOR
REG	- REGISTER
REINF	- REINFORCED / REINFORCING
REL	- RELOCATE
REM	- REMOVABLE
REQ	- REQUIRE / REQUIRED
RESIL	- RESILIENT
REV	- REVISION / REVISED
RM	- ROOM
RO	- ROUGH OPENING
RTD	- RATED
RTG	- RATING
RWL	- RAIN WATER LEADER
S	- SOUTH
SA	- SUPPLY AIR
SAN	- SANITARY
SC	- SOLID CORE
SCO	- SMALL CAR ONLY
SCHED	- SCHEDULE
SD	- STORM DRAIN / SOAP DISPENSER
SECT	- SECTION
STS	- SELF TAP METAL SCREW
SF	- SQUARE FEET/FOOT
SH	- SPRINKLER HEAD
SHT	- SHEET
SHR	- SHOWER
SIM	- SIMILAR
SM	- SQUARE METER (METRIC DOCS)
SND	- SANITARY NAPKIN DISPENSER
SP	- STANDPIPE
SPEC	- SPECIFICATION
SPR	- SPRINKLER
SPKR	- SPEAKER
SQ	- SQUARE
SSE	- STRUCTURE SLAB ELEVATION
SS	- STAINLESS STEEL
SSK	- SERVICE SINK
STA	- STATION
STD	- STANDARD
STL	- STEEL
STLJST	- STEEL JOIST
STOR	- STORAGE
STRG	- STRINGER
STRL	- STRUCTURAL
STRUC	- STRUCTURAL
SUBCAT	- SUBCATEGORY
SUSP	- SUSPENDED
SYMM	- SYMMETRICAL
SYS	- SYSTEM
T&G	- TONGUE AND GROOVE
T	- TREAD / THERMOSTAT
T/C	- TOP OF CURB
T/CONC	- TOP OF CONCRETE
TEL	- TELEPHONE OR TELECOM
TEMP	- TEMPERATURE
TER	- TERRAZZO
TGB	- TOGGLE BOLT
THK	- THICKNESS
THRES	- THRESHOLD
THRU	- THROUGH
TKBD	- TACKBOARD
TMPD	- TEMPERED
T/O	- TOP OF (SEE OTHER WORD)
T/SLAB	- TOP OF SLAB, TOP OF STRUCTURE
T/STL	- TOP OF STEEL
TPD	- TOILET PAPER DISPENSER
TRACT	- TRACTION
TV	- TELEVISION
TW	- TOP OF WALL
TYP	- TYPICAL
UNFIN	- UNFINISHED
UON	- UNLESS OTHERWISE NOTED
UR	- URINAL
VAC	- VENTILATION AND AIR CONDITIONING
VCT	- VINYL COMPOSITION TILE
VERT	- VERTICAL
VEST	- VESTIBULE
VIF	- VERIFY IN FIELD
VR	- VAPOR RETARDER
VT	- VINYL TILE
VWC	- VINYL WALL COVERING
W/	- WITH
W	- WIDE, WIDTH/WEST
WC	- WATER CLOSET
WD	- WOOD
WDW	- WINDOW
W/O	- WITHOUT
WP	- WATERPROOFING
WPM	- WATERPROOF MEMBRANE
WPT	- WORK POINT
WR	- WATER RESISTENT/REPELLANT
WS	- WEATHERSTRIPPING
WSCT	- WAINSCOT
WT	- WEIGHT
WW	- WALL TO WALL

MATERIAL SYMBOLS



SYMBOLS



FOR REFERENCE ONLY

General Notes

No.	Description	Date
9	BID DOCUMENTS	09/07/2017
6	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
5	ISSUED FOR FINAL BID	06/23/2017
4	ISSUED FOR BID	06/16/2017
3	ISSUED FOR 100% CDS/ OWNER REVIEW	06/01/2017
2	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017
1	ISSUED FOR SCHEMATIC DESIGN	02/03/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS
A WSP | PARSONS BRINCKERHOFF COMPANY

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

GENERAL NOTES, ABBREV, AND SYMBOLS

Drawn	Date
Author	9/5/2017 11:26:17 AM
Checked By	**Drawing Number**
Checker	
Approved	
Approver	**G-002.0**
Job Number	
215-1051	

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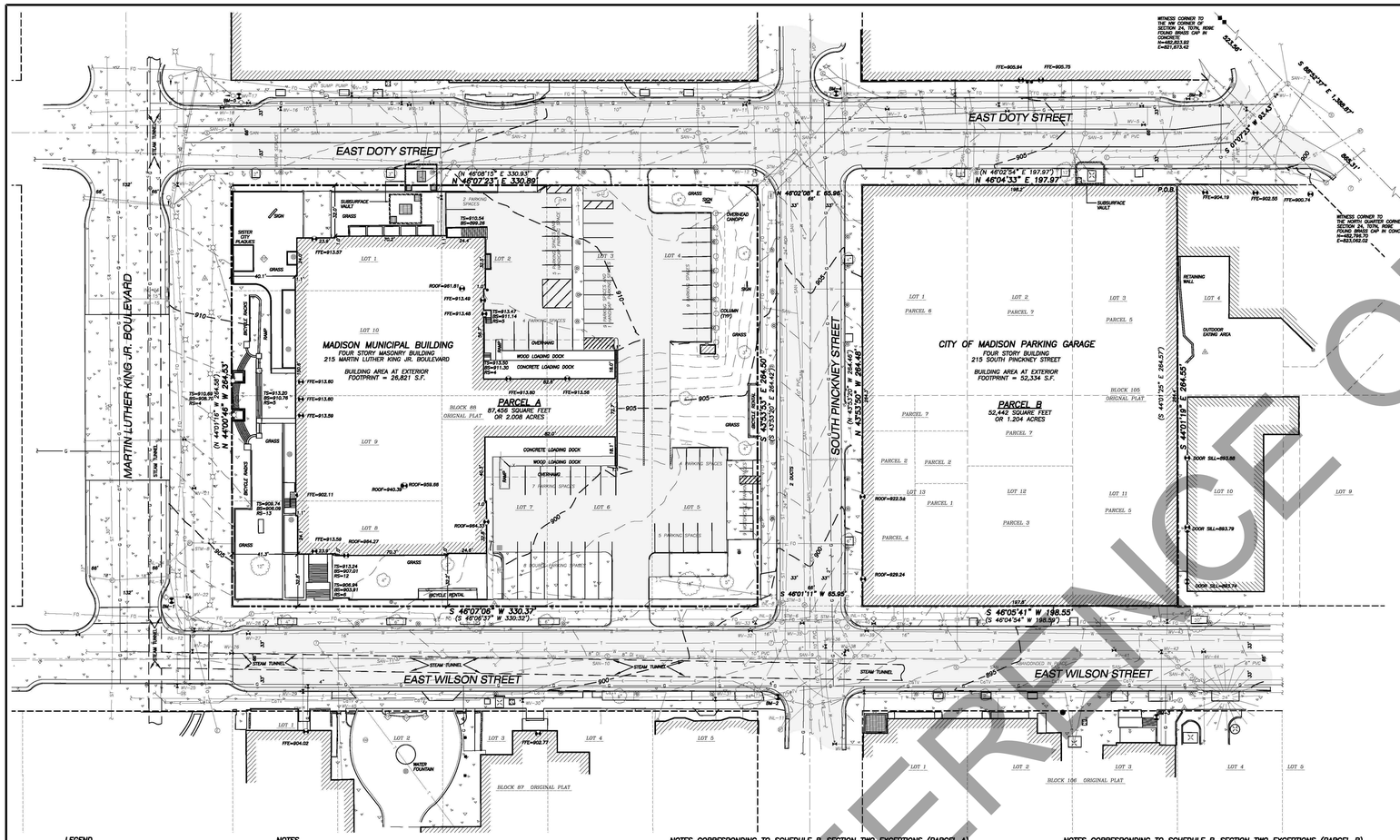
ALTA/ACSM LAND TITLE SURVEY

ALL OF BLOCK 88 AND LOTS 1, 2, 3, 11, 12 AND 13, BLOCK 105, ORIGINAL PLAT OF MADISON, BEING A PART OF THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF SECTION 24, TOWNSHIP 07 NORTH, RANGE 09 EAST, CITY OF MADISON, DANE COUNTY, WISCONSIN.



LEGEND

- GOVERNMENT CORNER
- CHISELED "X" FOUND
- CHISELED "X" SET
- BENCHMARK
- FINISHED FLOOR SHOT LOCATION
- MONITORING WELL
- BOLLARD
- FLAG POLE
- SIGN
- PARKING METER
- SANITARY MANHOLE
- CLEAN OUT
- VENT PIPE
- HYDRANT
- WATER OR GAS VALVE
- CURB STOP/SERVICE VALVE
- STORM MANHOLE
- ROUND CASTED INLET
- SQUARE CASTED INLET
- CURB INLET
- MANHOLE – UNVERIFIED TYPE
- ELECTRIC MANHOLE
- LIGHT POLE
- TRAFFIC SIGNAL
- VAULT
- TELEPHONE MANHOLE
- DECIDUOUS TREE
- CONIFEROUS TREE
- HANDICAP PARKING
- PARCEL BOUNDARY
- SECTION LINE
- RIGHT-OF-WAY LINE
- CENTERLINE
- PLATTED LOT LINE
- EDGE OF PAVEMENT
- CONCRETE CURB & GUTTER
- SAN — SANITARY SEWER
- W — WATER LINE
- ST — STORM SEWER
- G — NATURAL GAS
- E — UNDERGROUND ELECTRIC
- FO — FIBER OPTIC
- T — UNDERGROUND TELEPHONE
- TV — UNDERGROUND CABLE
- BUILDING
- 910 — INDEX CONTOUR
- 909 — INTERMEDIATE CONTOUR
- 909.8 — SPOT ELEVATION
- BITUMINOUS PAVEMENT
- RETAINING WALL
- CONCRETE PAVEMENT
- DISCONTINUED MAPPED PIPE LINE
- ( ) DENOTES RECORD DATA DEPICTING THE SAME LINE ON THE GROUND AS RETRACED BY THIS SURVEY

NOTES

1. FIELD WORK PERFORMED BY JSD PROFESSIONAL SERVICES, INC. THE WEEK OF JUNE 22 & 27 AND JULY 06, 2015.
2. THIS SURVEY AND MAP ARE BASED ON THE WISCONSIN COUNTY COORDINATE SYSTEM, (WCCS), DANE COUNTY. THE NORTH LINE OF THE NORTHWEST QUARTER OF SECTION 24, T07N, R09E, BEARS S 88°52'37" E.
3. ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88(1991)). BENCHMARK IS FIRE HYDRANT AT THE CORNER OF WILSON STREET AND MARTIN LUTHER KING, JR. BOULEVARD. ELEVATION = 908.02
4. CONTOUR INTERVAL IS 1 FOOT.
5. SPOT ELEVATIONS SHOWN ALONG CURB AND GUTTER REFERENCE THE TOP BACK OF CURB.
6. THE SUBSURFACE UTILITIES AND FEATURES SHOWN ON THIS MAP HAVE BEEN APPROXIMATED BY LOCATING SURVICIAL FEATURES AND APPURTENANCES, LOCATING DIGGERS HOTLINE FIELD MARKINGS AND BY REFERENCE TO UTILITY RECORDS AND MAPS. DIGGER'S HOTLINE TICKET No.'s 20152519735, 20152519740, 20152519747, 20152519750 AND 20152519754, WITH A CLEAR DATE OF JUNE 25, 2015.
7. THE ACCURACY OF THE BENCHMARKS SHOWN ON THIS MAP SHALL BE VERIFIED BEFORE BEING UTILIZED. JSD PROFESSIONAL SERVICES, INC. DOES NOT WARRANT THAT THESE BENCHMARKS HAVE NOT BEEN DISTURBED SINCE THE DATE OF THIS SURVEY.
8. BEFORE EXCAVATION, APPROPRIATE UTILITY COMPANIES SHOULD BE CONTACTED. FOR EXACT LOCATION OF UNDERGROUND UTILITIES, CONTACT DIGGERS HOTLINE, AT 1.800.242.8511.
9. UTILITY MAPPING PROVIDED BY, CITY OF MADISON, CENTURYLINK, AT&T, TDS TELECOM.
10. TS=TOP OF STAIRS; BS=BOTTOM OF STAIRS; RS= NUMBER OF RISERS.

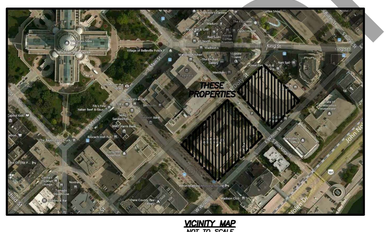
NOTES CORRESPONDING TO TABLE A REQUIREMENTS:

ITEM 9 THERE ARE 61 PARKING SPACES AND 2 HANDICAP SPACES FOR A TOTAL OF 63 PARKING SPACES AND THERE ARE 9 MOTORCYCLE PARKING SPACES ON PARCEL A. THERE ARE 580 PARKING SPACES ON PARCEL B. THERE ARE A TOTAL OF 643 PARKING SPACES.

ITEM 10(a) THERE ARE NO DIVISION OR PARTY WALLS DESIGNATED BY THE CLIENT WITH RESPECT TO ADJOINING PROPERTIES.

ITEM 11(b) NOTE – WITH REGARD TO TABLE A, ITEM 11(b), SOURCE INFORMATION FROM PLANS AND MARKINGS WILL BE COMBINED WITH OBSERVED EVIDENCE OF UTILITIES TO DEVELOP A VIEW OF THOSE UNDERGROUND UTILITIES. HOWEVER, LACKING EXCAVATION, THE EXACT LOCATION OF UNDERGROUND FEATURES CANNOT BE ACCURATELY, COMPLETELY AND RELIABLY DEPICTED. WHERE ADDITIONAL OR MORE DETAILED INFORMATION IS REQUIRED, THE CLIENT IS ADVISED THAT EXCAVATION MAY BE NECESSARY.

ITEM 20 THERE ARE NO OFFSITE EASEMENTS FOR THE SUBJECT PROPERTY.



VICINITY MAP
NOT TO SCALE

NOTES CORRESPONDING TO SCHEDULE B–SECTION TWO EXCEPTIONS (PARCEL A)

(FIRST AMERICAN TITLE INSURANCE COMPANY, COMMITMENT No.: NCS–733937–MAD, COMMITMENT DATE: JULY 02, 2015 AT 7:30 A.M.)

(12) AFFIDAVIT RECORDED IN VOLUME 1027 OF RECORDS, PAGE 128, AS DOCUMENT No. 1605842.

THIS ITEM DOES NOT AFFECT THE SUBJECT PROPERTY AND IS NOT PLOTTED HEREON.

(13) A RESOLUTION APPROVING THE SOUTH SQUARE REDEVELOPMENT PLAN RECORDED SEPTEMBER 21, 1994, AS DOCUMENT No. 2633062.

THIS ITEM DOES NOT AFFECT THE SUBJECT PROPERTY AND IS NOT PLOTTED HEREON.

(14) GRANT OF RIGHT OF FIRST REFUSAL RECORDED APRIL 15, 1999, AS DOCUMENT No. 3102647.

FIRST AMENDMENT TO GRANT OF RIGHT OF FIRST REFUSAL RECORDED SEPTEMBER 9, 2014, AS DOCUMENT No. 5096973.

THIS ITEM DOES AFFECT THE SUBJECT PROPERTY AND IS NOT GRAPHIC IN NATURE, THEREFORE IT IS NOT PLOTTED HEREON.

(15) LEASE BETWEEN CITY OF MADISON, WISCONSIN AND US POSTAL SERVICE RECORDED IN VOLUME 1038 OF RECORDS, PAGE 374, AS DOCUMENT No. 1610872.

AMENDMENT TO LEASE RECORDED IN VOLUME 13135 OF RECORDS, PAGE 6, AS DOCUMENT No. 2154052.

THIS ITEM DOES AFFECT THE SUBJECT PROPERTY AND IS NOT GRAPHIC IN NATURE, THEREFORE IT IS NOT PLOTTED HEREON.

(16) LEASE BETWEEN CITY OF MADISON AND CITY EMPLOYEES CREDIT UNION RECORDED IN VOLUME 24819 OF RECORDS, PAGE 19, AS DOCUMENT No. 2525524

FIRST AMENDMENT TO LEASE RECORDED JULY 30, 1999, AS DOCUMENT No. 3140120.

FIRST NOTICE OF LEASE RENEWAL RECORDED APRIL 3, 2002, AS DOCUMENT No. 3470045.

SECOND NOTICE OF LEASE RENEWAL RECORDED APRIL 17, 2007, AS DOCUMENT No. 4299900.

SECOND AMENDMENT TO LEASE RENEWAL RECORDED FEBRUARY 4, 2008, AS DOCUMENT No. 4394388.

THIRD NOTICE OF LEASE RENEWAL RECORDED MARCH 7, 2013, AS DOCUMENT No. 4967834.

THIS ITEM DOES AFFECT THE SUBJECT PROPERTY AND IS NOT GRAPHIC IN NATURE, THEREFORE IT IS NOT PLOTTED HEREON.

(17) UNITED STATES POSTAL SERVICE LEASE RECORDED JANUARY 24, 1996, IN VOLUME 31861 OF RECORDS, PAGE 12, AS DOCUMENT No. 2733649.

THIS ITEM DOES AFFECT THE SUBJECT PROPERTY AND IS NOT GRAPHIC IN NATURE, THEREFORE IT IS NOT PLOTTED HEREON.

LEGAL DESCRIPTION (AS FURNISHED) (PARCEL A)

(FIRST AMERICAN TITLE INSURANCE COMPANY, COMMITMENT No.: NCS–733937–MAD, COMMITMENT DATE: JULY 02, 2015 AT 7:30 A.M.)

ALL OF BLOCK 88, ORIGINAL PLAT OF THE CITY OF MADISON, IN THE CITY OF MADISON, DANE COUNTY, WISCONSIN.

TAX KEY NUMBER: 251/0709–242–0701–6

NOTES CORRESPONDING TO SCHEDULE B–SECTION TWO EXCEPTIONS (PARCEL B)

(FIRST AMERICAN TITLE INSURANCE COMPANY, COMMITMENT No.: NCS–733941–MAD, COMMITMENT DATE: JULY 02, 2015 AT 7:30 A.M.)

(10) AGREEMENT RECORDED IN VOLUME 143 OF MISC., PAGE 423, AS DOCUMENT No. 625802.

THIS ITEM DOES NOT AFFECT THE SUBJECT PROPERTY AND IS NOT PLOTTED HEREON.

LEGAL DESCRIPTION (AS FURNISHED) (PARCEL B)

(FIRST AMERICAN TITLE INSURANCE COMPANY, COMMITMENT No.: NCS–733941–MAD, COMMITMENT DATE: JULY 02, 2015 AT 7:30 A.M.)

PARCEL 1:

THE SOUTHEAST ONE HUNDRED TEN FEET (110') OF THE NORTHEAST ONE–HALF (NE ½) OF LOT THIRTEEN (13), BLOCK ONE HUNDRED FIVE (105), CITY OF MADISON, DANE COUNTY, WISCONSIN.

PARCEL 2:

THE NORTHEAST 33 FEET OF THE SOUTHWEST 110 FEET AND THE NORTHWEST 40 FEET OF THE SOUTHWEST 33 FEET OF THE SOUTHWEST 110 FEET OF LOT 13, ORIGINAL PLAT OF MADISON, IN THE CITY OF MADISON, DANE COUNTY, WISCONSIN.

PARCEL 3:

THE SOUTHEAST 88 FEET, LOT 12, BLOCK 105, CITY OF MADISON, ACCORDING TO THE DOTY TRUSTEE PLAT, IN THE CITY OF MADISON, DANE COUNTY, WISCONSIN.

PARCEL 4:

THE SOUTHEAST SEVENTY (70) FEET OF THE SOUTHWEST THIRTY–THREE (33) FEET OF LOT THIRTEEN (13), BLOCK ONE HUNDRED FIVE (105), ORIGINAL PLAT OF CITY OF MADISON, IN THE CITY OF MADISON, DANE COUNTY, WISCONSIN.

PARCEL 5:

LOTS THREE AND ELEVEN, BLOCK ONE HUNDRED FIVE, IN THE ORIGINAL PLAT OF THE CITY OF MADISON, IN THE CITY OF MADISON, DANE COUNTY, WISCONSIN.

PARCEL 6:

LOT ONE (1), BLOCK ONE HUNDRED FIVE (105), ORIGINAL PLAT OF THE CITY OF MADISON, IN THE CITY OF MADISON, DANE COUNTY, WISCONSIN.

PARCEL 7:

LOT NUMBER TWO (2), AND THE NORTHWEST FORTY–FOUR (44) FEET OF LOT NUMBER TWELVE (12), AND THE NORTHWEST TWENTY–TWO FEET OF LOT NUMBER THIRTEEN (13), IN BLOCK ONE HUNDRED FIVE (105), IN THE ORIGINAL PLAT OF THE CITY OF MADISON, IN THE CITY OF MADISON, DANE COUNTY, WISCONSIN.

TAX KEY NUMBER: 251/0709–242–0209–0

SURVEYOR'S CERTIFICATE

TO:

i) THE CITY OF MADISON,
ii) FIRST AMERICAN TITLE INSURANCE COMPANY,

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2011 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/ACSM LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS AND INCLUDES ITEMS 1, 4, 5, 7(a), 8, 9, 10(a), 11(b), 20(a) AND 22 OF TABLE A THEREOF. THE FIELD WORK WAS COMPLETED ON JULY 08, 2015.

JOHN KREBS, S–1878 — DATE
PROFESSIONAL LAND SURVEYOR

STORM SEWER MANHOLES

STRUCT. ID	RIM ELEVATION	INVERT	ELEVATION	PIPE SIZE	PIPE TYPE
STM–1	906.59	NE	902.77	12"	PVC
		SW	903.00	12"	RCP
		SE	902.76	24"	RCP
STM–2	911.89	VERTICLE	903.46	6"	PVC
STM–3	897.41	NW	888.21	18"	DI
		SW	888.21	18"	RCP
		NE	894.79	12"	–
STM–4	897.89	SW	894.64	12"	RCP
		SE	894.34	12"	RCP
STM–5	899.23	NW	894.98	12"	DI
		SW	895.13	12"	RCP
		SE	894.98	12"	CLAY
STM–6	898.99	NW	895.14	12"	DI
		NE	895.07	12"	RCP
		SW	895.55	12"	PVC
STM–7	897.78	N	895.49	12"	RCP
		W	895.38	12"	RCP
		S	894.93	24"	RCP
STM–8	904.68	NE	894.56	10"	CLAY
		S	894.53	10"	CLAY

STORM SEWER INLETS

INLET ID	RIM ELEVATION	INVERT	ELEVATION	PIPE SIZE	PIPE TYPE
INL–1	907.60	NW	904.90	4"	PVC
		NE	904.40	10"	PVC
		SW	904.30	10"	PVC
INL–2	906.98	N	904.58	12"	RCP
		NW	904.58	8"	DI
		S	904.36	12"	RCP
INL–3	904.50	NW	899.35	4"	PVC
		NE	899.30	10"	PVC
		SW	899.58	6"	PVC
INL–4	902.94	SW	898.51	10"	PVC
		SE	898.49	12"	RCP
INL–5	905.29	NW	903.69	12"	RCP
INL–6	902.30	NW	896.40	12"	RCP
		NE	896.30	12"	RCP
INL–7	–	–	–	–	–
		–	–	–	–
		–	–	–	–
INL–8	898.84	NE	895.99	12"	RCP
INL–9	898.83	N	895.23	12"	PVC
INL–10	897.29	SW	894.49	12"	RCP
INL–11	897.03	NW	893.43	4"	PVC
		SE	892.93	12"	PVC
INL–12	902.37	NW	899.02	12"	PVC
INL–13	902.90	NW	898.21	12"	PVC
		E	898.30	12"	PVC
		SW	898.21	15"	RCP
INL–14	903.17	SE	898.37	12"	PVC
INL–15	909.34	NW	905.24	12"	RCP
		SW	905.09	15"	RCP
INL–16	909.42	SE	905.67	12"	RCP

SANITARY SEWER MANHOLES

STRUCT. ID	RIM ELEVATION	INVERT	ELEVATION	PIPE SIZE	PIPE TYPE
SAN–1	912.00	VERTICLE	902.28	6"	–
SAN–2	909.98	NE	899.69	6"	DI
		SW	899.69	6"	DI
SAN–3	908.38	NW	897.85	4"	DI
		NW	897.85	4"	DI
		NE	897.50	6"	DI
		W	897.82	6"	CLAY
		SW	897.74	6"	DI
SAN–4	907.63	NW	897.99	8"	PVC
		NE	896.60	6"	DI
		W	896.80	–	–
		SW	896.66	6"	DI
SAN–5	904.75	NE	892.79	8"	PVC
		SW	892.92	8"	PVC
SAN–6	901.78	N	890.33	8"	PVC
		SW	890.40	8"	PVC
		SE	890.58	8"	PVC
SAN–7	901.42	NW	890.19	8"	PVC
		SW	890.08	8"	PVC
		E	890.00	8"	PVC
SAN–8	892.03	NE	881.72	6"	PVC
		W	882.37	4"	PVC
		E	882.84	6"	PVC
SAN–9	898.50	NW	892.52	10"	PVC
		NW	887.82	10"	PVC
		SW	891.95	10"	PVC
		SW	887.77	10"	PVC
		SE	887.55	10"	PVC
SAN–10	900.77	NE	892.67	8"	DI
		SW	892.85	8"	DI
SAN–11	PAVED OVER				

WATER VALVES

VALVE No.	RIM ELEVATION	INVERT	ELEVATION	VALVE No.	RIM ELEVATION	INVERT	ELEVATION
WV–1	901.51	TN	897.3	WV–23	902.68	TN	899.4
WV–2	901.82	TN	895.8	WV–24	902.15	TN	899.0
WV–3	903.13	TN	897.4	WV–25	901.63	TN	896.5
WV–4	903.54	TN	899.8	WV–26	902.29	TN	898.9
WV–5	903.51	TN	899.2	WV–27	902.74	TN	897.1
WV–6	905.58	TN	902.1	WV–28	903.17	TN	897.8
WV–7	906.87	TN	900.6	WV–29	901.69	TN	898.1
WV–8	907.32	TN	902.7	WV–30	900.89	TN	892.6
WV–9	907.62	TN	903.2	WV–31	899.00	TN	893.4
WV–10	908.01	TN	903.8	WV–32	899.28	TN	893.6
WV–11	908.07	TN	903.7	WV–33	899.67	TN	895.3
WV–12	907.22	TN	902.6	WV–34	895.40	TN	889.9
WV–13	910.83	TN	906.8	WV–35	898.94	TN	893.9
WV–14	910.76	TN	906.3	WV–36	898.53	TN	893.0
WV–15	911.71	TN	906.8	WV–37	897.95	TN	893.4
WV–16	911.87	TN	906.5	WV–38	898.05	TN	893.3
WV–17	912.36	TN	907.6	WV–39	897.09	TN	892.4
WV–18	911.97	TN	908.0	WV–40	897.41	TN	892.8
WV–19	911.85	TN	907.7	WV–41	893.56	TN	889.2
WV–20	911.69	TN	908.8	WV–42	892.58	TN	888.3
WV–21	905.98	TN	902.0	WV–43	893.09	TN	886.7
WV–22	903.60	TN	899.5	WV–44	891.84	TN	887.2
				WV–45	901.49	TN	894.2

TN=TOP NUT OF WATER VALVE

BENCHMARKS

BENCH MARK	ELEVATION	DESCRIPTION
BM–1	906.02	TOP NUT ON HYDRANT, NORTH CORNER OF MLK BLVD. AND WILSON STREET
BM–2	898.18	CUT SQUARE ON CURB SOUTH CORNER OF WILSON ST. AND PICKNEY ST.
BM–3	892.96	CUT SQUARE IN FRONT OF STAIRS AT 115 EAST WILSON ST.
BM–4	910.42	TOP NUT ON HYDRANT, NORTH CORNER OF PICKNEY ST. AND DOTY ST.
BM–5	916.09	TOP NUT ON HYDRANT, NORTH CORNER OF MLK BLVD AND DOTY ST.
BM–6	905.79	TOP NUT ON HYDRANT SW CORNER OF DOTY ST. AND KING ST.

JSD DOES NOT GUARANTEE THE BENCHMARK ELEVATIONS LISTED ON THIS MAP HAVE NOT BEEN DISTURBED SINCE THE DATE OF THIS SURVEY AND SHOULD BE VERIFIED PRIOR TO CONSTRUCTION ACTIVITIES.

north
0 15' 30' 60'
SCALE: 1" = 30'

JSD Professional Services, Inc.
• Engineers • Surveyors • Planners

"BUILDING RELATIONSHIPS WITH A COMMITMENT TO CLIENT SATISFACTION THROUGH TRUST, QUALITY AND EXPERIENCE"

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MADISON REGIONAL OFFICE
161 HORIZON DRIVE, SUITE 101
VERONA, WISCONSIN 53593
608.848.5060 PHONE | 608.848.2255 FAX
MADISON | MILWAUKEE
KENOSHA | APPLETON
www.jsdinc.com

SERVICES PROVIDED TO:

CITY OF MADISON
215 MARTIN LUTHER KING, JR. BLVD
MADISON, WI 53701–2983

PROJECT:

JUDGE DOYLE SQUARE

PROJECT LOCATION:
CITY OF MADISON
DANE COUNTY, WI

JSD PROJECT NO.: 15–6867–MAD

SEAL/SIGNATURE:

ALTHOUGH EVERY EFFORT HAS BEEN MADE IN PREPARING THESE PLANS AND CHECKING THEM FOR ACCURACY, THE CONTRACTOR AND SUBCONTRACTORS MUST CHECK ALL DETAIL AND DIMENSIONS OF THEIR TRADE AND BE RESPONSIBLE FOR THE SAME.

DESIGN:		
DRAWN:	JK	06–03–15
APPROVED:	TJB	06–03–15

PLAN MODIFICATIONS:

DIGGERS HOTLINE
Call 811 or (800) 242-8511
Milwaukee Area (262) 432-7910
Hearing Impaired TDD (800) 542-2289
www.DiggersHotline.com

SHEET TITLE:

ALTA\ACSM LAND TITLE SURVEY

MAP NO: E–245

SHEET NUMBER: 1

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FOR REFERENCE ONLY

WISCONSIN JAMES R. DESTEFANO 3614-5 MADISON, WI ARCHITECT

No.	Description	Date
9	BID DOCUMENTS	09/07/2017
6	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
5	ISSUED FOR FINAL BID	06/23/2017
4	ISSUED FOR BID	06/16/2017
3	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
2	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS
MADISON | CHICAGO | ST. LOUIS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS
A WSP | PARSONS BRINCKERHOFF COMPANY

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

SITE SURVEY FOR REFERENCE

Drawn	Date
Author	9/5/2017 11:27:07 AM
Checked By	Drawing Number
Checker	
Approved	
Approver	
Job Number	
215-1051	

G-003.0

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C:\Users\administrator\Documents\Judge Doyle Square - Phase 1 - Bid Documents_mdyer.rvt
8/3/2017 11:27:07 AM
File: I:\2015\156867-MAD\DWG\156867-MAD ALTA(Excon).dwg Layout: 30x42 User: jk Plotted: Jul 15, 2015 – 3:37pm Xref's:

ENERGY CONSERVATION		
SECTION	ITEM	DESCRIPTION
IECC C301	CLIMATE ZONE	6 - DANE COUNTY
IECC C302.1	DESIGN CONDITIONS	INDOOR DESIGN TEMPERATURES MAX 72 DEG FOR HEATING AND MIN 75 DEG FOR COOLING.
IECC C303	MATERIALS AND EQUIPMENT	INSULATION, GLASS, PRODUCTS MUST BE MARKED TO INDICATE COMPLIANCE WITH REQUIREMENTS OF THIS CODE
IECC C303	APPLICATION	BUILDING MUST COMPLY WITH EITHER: 1. ANSI/ASHRAE/ESNA 90.1 OR 2. PERFORMANCE DESIGN PER 407 OR 3. PRESCRIPTIVE DESIGN PER C402 - C406
IECC TABLE 402.2, 401.2 IECC R402.2.1; C402.2.1.1	BUILDING ENVELOPE REQUIREMENTS: CEILING	ATTIC AND OTHER: R-49
IECC TABLE 402.2	BUILDING ENVELOPE REQUIREMENTS: WALLS	WALLS ABOVE GRADE: B) MASS WALL: 15/19
IECC TABLE 402.2	BUILDING ENVELOPE REQUIREMENTS: FLOORS	SLAB ON GRADE; R-10 (4' DEEP) MASS FLOOR: R-30
IECC TABLE 402.2	BUILDING ENVELOPE REQUIREMENTS: DOORS	OPAQUE DOORS: SWINGING: U=0.37, OVERHEAD OR SLIDING: R-4.75
IECC TABLE 402.3; IECC C402.3	BUILDING ENVELOPE REQUIREMENTS: FENSTRATION	FIXED FENSTRATION : 0.35 OPERABLE FENSTRATION: 0.45 ENTRANCE DOORS : 0.77 SHGC: NR SKYLIGHT U FACTOR : 0.50 SKYLIGHT SHGC: 0.40 MAXIMUM AREA: 3O% GROSS ABOVE GRADE WALL AREA. SKYLIGHTS NO MORE THAN 3% ROOF AREA
IECC 402.4.1	BUILDING ENVELOPE REQUIREMENTS: AIR LEAKAGE	AIR LEAKAGE (MANDATORY) A) AIR BARRIERS REQUIRED CONTINUOUS THROUGH BUILDING ENVELOPE, OPENINGS AND PENETRATIONS SHALL BE SEALED B) MATERIALS SHALL HAVE AN AIR PERMEABILITY NO GREATER THAN 0.004 CFM/FT2 C) THE BUILDING ENVELOPE SHALL NOT EXCEED 0.40 CFM/FT2 D) WINDOW MAX AIR LEAKAGE: .20CFM/FT2 E) SLIDING DOOR MAX AIR LEAKAGE: .20CFM/FT2 F) SWINGING DOOR MAX AIR LEAKAGE: .20CFM/FT2 G) ROLLING DOORS MAX AIR LEAKAGE: 1.00CFM/FT2 H) RECESSED LUMINAIRES INSTALLED IN THE BUILDING THERMAL ENVELOPE SHALL BE SEALED TO LIMIT AIR LEAKAGE BETWEEN CONDITIONED AND UNCONDITIONED SPACES. ALL RECESSED SHALL BE IC-RATED AND LABELED AS HAVING AN AIR LEAKAGE RATE OF NOT MORE THAN 2.0 CFM. ALL RECESSED LUMINAIRES SHALL BE SEALED WITH A GASKET OR CAULK BTWEEN THE HOUSING AND INTERIOR WALL/ CEILING COVERING.

MINIMUM DESIGN LOADS		
SECTION	ITEM	DESCRIPTION
IBC TABLE 1604.3	DEFLECTION LIMITS	1. ROOF MEMBERS SUPPORTING GYP CEILING: l/240 2. FLOOR MEMBERS: l/360 3. EXTERIOR WALLS AND INTERIOR PARTITIONS: l/240
IBC TABLE 1604.5	RISK CATEGORY	II
IBC TABLE 1607.1	LIVE LOADS	1. BALCONIES AND DECKS - 40 PSF 2. CORRODRS FIRST FLOOR - 100 PSF 3. CORRIDORS OTHER FLOORS - SAME AS OCCUPANCY SERVED 4. MULTIFAMILY DWELLINGS - PRIVATE ROOMS AND CORRORS 40 PSF 5. MULTIFAMILY DWELLINGS - PUBLIC ROOMS AND CORRORS 100 PSF 6. STAIRWAYS 100 PSF 7. STAIRS AND EXIT WAYS 100 PSF 8. WALKWAYS AND ELEVATED PLATFORMS 60PSF
IBC 1607.8.1	HANDRAILS	HORIZONTAL AND VERTICAL THRUST OF 50 LB PER LF.
IBC 1607.14	PARTITIONS	MIN. 5 PSF
IBC TABLE 1607.1	ROOF LOADS	1. MINIMUM 20 PSF LIVE LOAD. 2. RAIN LOAD: 25 PSF, MAX 3" PONDING 3. SNOW LOAD: (FLAT) 25 PSF, DRIFTING PER ANSI A58.1 4. LATERAL LOADS: 200 FT OR LESS – MAIN WIND RESISTING SYSTEM - 20 PSF - CLADDING - 25 PSF, 30 PSF AT CORNERS
IBC 1613	SEISMIC DESIGN	NOT APPLICABLE

FIRE PROTECTION		
SECTION	ITEM	DESCRIPTION
IBC 903.2.10.11	AUTOMATIC SPRINKLER SYSTEM REQUIRED	AUTOMATIC SPRINKLER TO BE INSTALLED IN ACCORDANCE WITH SECTION IBC 903.3
IBC 903.3.1	SPRINKLER SYSTEMS	1.MUST BE AN APPROVED AND TESTED SYSTEM COMPLYING WITH NFPA 13 2.RESIDENITAL AUTOMATIC SPRINKLERS SHALL BE INSTALLED IN DWELLING AND SLEEPING UNITS OF R OCCUPANCIES 3.FIRE PUMP INSTALLATION PER NFPA PAMPHLET 20. 4.SIAMESE CONNECTIONS: ONE REQUIRED PER STREET EXPOSURE TO 2 MAXIMUM, ONE PERMITTED IF 2 ADJACENT EXPOSURES TOTALING LESS THAN 250 LF, OVER 250' EXPOSURE, SPACE AT MAXIMUM 200' APART, SIGNAGE REQUIRED PER 15-16-390. 5. SPRINKLERS REQUIRED IN ALL ROOMS EXCEPT: ELECTRICAL EQUIPMENT ROOMS, TRANSFORMERS, GENERATORS OR SWITCHBOARDS, FREEZERS UNDER 200 SF.
IBC 905.1	STANDPIPE SYSTEMS	STANDPIPES SHALL BE PROVIDED IN NEW BUILDINGS AND STRUCTURES
IBC 905.4	LOCATION OF CLASS I STANDPIPES	1. IN EVERY REQUIRED STAIRWAY, A HOSE CONNECTION SHALL BE PROVIDED FOR EACH FLOOR LEVEL ABOVE OR BELOW GRADE. HOSE CONNECTIONS SHALL BE LOCATED AT AN INTERMEDIATE FLOOR LEVEL LANDING BETWEEN FLOORS, UNLESS OTHERWISE APPROVED BY THE FIRE CODE OFFICIAL. 2. ON EACH SIDE OF THE WALL ADJACENT TO THE EXIT OPENING OF A HORIZONTAL EXIT
IBC 905.7	CABINETS	CABINETS CONTAINING FIRE-FIGHTING EQUIPMENT SUCH AS STANDPIPES, FIRE HOSES, FIRE EXTINGUISHERS OR FIRE DEPARTMENT VALVES SHALL NOT BE BLOCKED FROM USE OR OBSCURED FROM VIEW. CABINETS SHALL BE UNLOCKED.
IBC 906	FIRE EXTINGUISHERS	1. CLASSIFICATION AND RATING PER NFPA 10 2. PROVIDE ON EVERY FLOOR PER NFPA 10 3. GROUP R-2 OCCUPANCIES, EACH DWELLING UNIT IS TO BE PROVIDED WITH A PORTABLE FIRE EXTINGUISHER HAVING A MINIMUM RATING OF 1-A:10-B:C.
IBC 907.2.9; IBC 907.2.11.2	SMOKE ALARMS AND DETECTORS	TO BE INSTALLED IN GROUP R-2 OCCUPANCIES A MINIMUM OF ONE SMOKE DETECTOR LISTED FOR THE INTENDED PURPOSE SHALL BE INSTALLED IN THE FOLLOWING AREAS: 1. ON THE CEILING OR WALL OUTSIDE OF EACH SEPARATE SLEEPING AREA IN THE IMMEDIATE VICINITY OF BEDROOMS. 2. IN EACH ROOM USED FOR SLEEPING PURPOSES.
IBC 907.5.2.3.3	NUMBER OF SLEEPING ACCOMODATIONS WITH VISIBLE ALARMS	IN GROUP R-2 OCCUPANCIES A FIRE ALARM SYSTEM, ALL DWELLING UNITS AND SLEEPING UNITS SHALL BE PROVIDED WITH THE CAPABILITY TO SUPPORT VISIBLE ALARM NOTIFICATION APPLIANCES IN ACCORDANCE WITH CHAPTER 10 OF ICC A117.1.
IBC 908	FIRE ALARM SYSTEMS- CLASS I SYSTEM REQUIRED	REQUIRED - TO BE INSTALLED PER NFPA 72 IN NEW BUILDINGS AND STRUCTURES 1. A MANUAL FIRE ALARM BOX IS NOT REQUIRED FOR GROUP R-2 OCCUPANCIES UNLESS REQUIRED BY THE FIRE CODE OFFICIAL. WHERE PROVIDED, THE MANUAL FIRE ALARM BOX SHALL NOT BE LOCATED IN AN AREA THAT IS ACCESSIBLE TO THE PUBLIC.

MEANS OF EGRESS		
SECTION	ITEM	DESCRIPTION
IBC SECTION 1004	OCCUPANT LOAD	
	PARKING LEVEL U4	236
	PARKING LEVEL U3	231
	PARKING LEVEL U2	232
	PARKING LEVEL U1	231
	PARKING LEVEL U0	148
	GROUND LEVEL 1	17
	GROUND LEVEL 2	58
IBC SECTION 1005	STAIRWAY EGRESS WIDTH (W/ AUTO-SPRINKLER SYSTEM)	44" MIN. (0.3 INCHES PER OCCUPANT)

ZONING ANALYSIS			
SECTION	ITEM	DESCRIPTION	
	TID DISTRICT	25	
	NEIGHBORHOOD NAME	CAPITAL NEIGHBORHOODS	
	EXISTING ZONING	DC - DOWNTOWN CORE DISTRICT	
	DOWNTOWN PLAN	MADISON DOWNTOWN PLAN	
	LOT AREA	38,553 SF	
	MAX. FLOOR AREA RATIO		
	TOTAL BUILDING AREA (GSF)	244,264 SF	
	PROPOSED USES:		
	*RETAIL	*8,070 SF	
	BICYCLE CENTER	3,994 SF	
	PUBLIC PARKING	240,270 SF	
	*RESIDENTIAL PARKING	*75,619 SF	
	*RESIDENTIAL	*150,900 SF	
	PUBLIC PARKING:		
	AUTOMOBILE	REQUIRED: 560 STALLS	SUPPLIED: 561 STALLS
	BICYCLE	REQUIRED: 20 SPACES	SUPPLIED: 40 SPACES
	*LOADING	REQUIRED: 0	*SUPPLIED: ONE SPACE @ 10' X 50'
	*USEABLE OPEN SPACE	REQUIRED: 0	*SUPPLIED: FUTURE 5TH FLOOR OUTDOOR AREA 8,024 SF

*DENOTES ITEMS IN FUTURE PHASE OF PROJECT

JUDGE DOYLE SQUARE CODE ANALYSIS SUMMARY

APPLICABLE CODES
WISCONSIN ADMINISTRATIVE CODE SPS 361-366 COMMERCIAL BUILDING CODE, ADOPTING:
-INTERNATIONAL BUILDING CODE - 2009 (IBC)
-INTERNATIONAL ENERGY CONSERVATION CODE - 2009 (IECC)
-INTERNATIONAL MECHANICAL CODE - 2009 (IMC)
-INTERNATIONAL FUEL GAS CODE - 2009 (IFGC)
WISCONSIN ADMINISTRATIVE CODE SPS 380-387 PLUMBING CODE
WISCONSIN ADMINISTRATIVE CODE SPS 314 FIRE PREVENTION, ADOPTING:
-NFPA 1 - 2009 (EXCLUDES DESIGN REQUIREMENTS)
WISCONSIN ADMINISTRATIVE CODE SPS 316 ELECTRICAL CODE, ADOPTING:
-NFPA 70 - 2009 - NEC AS MODIFIED BY SPS 316
MADISON CODE OF ORDINANCES
-CHAPTER 6: FIRE DEPARTMENT AND FIRE REGULATIONS
-CHAPTER 18: PLUMBING CODE
-CHAPTER 19: ELECTRIC CODE
-CHAPTER 28: ZONING CODE
-CHAPTER 29: BUILDING CODE (DWELLINGS)
-CHAPTER 34: FIRE PREVENTION CODE (ADOPTING THE INTERNATIONAL FIRE CODE - CURRENT, AS MODIFIED BY THIS CHAPTER)
AMERICANS WITH DISABILITY ACT ACCESSIBILITY GUIDELINES- 2009 (ADA)

OCCUPANCY CLASSIFICATION		
SECTION	ITEM	DESCRIPTION
IBC 302.1; IBC 311.3	STORAGE GROUP S-2	LOW HAZARD STOARAGE; PARKING GARAGE
IBC 508.2	ACCESSORY OCCUPANCIES	ACCESSORY OCCUPANCIES ARE SUBSIDARY TO THE MAIN OCCUPANCY OF THE BUILDING OR PORTION THEREOF. AGGREGATE ACCESSORY OCCUPANCIES SHALL NOT OCCUPY MORE THAN 10% OF THE AREA OF THE STORY IN WHICH THEY ARE LOCATED AND SHOULD NOT EXCEED THE TABULAR VALUES IN TABLE 503 FOR ALLOWABLE HEIGHT AND AREA WITHOUT ALLOWED INCREASES FOR SUCH ACCESSORY OCCUPANCIES

OCCUPANCY LOAD FACTORS		
SECTION	ITEM	DESCRIPTION
IBC TABLE 1004.1.1	PARKING GARAGES	200 GROSS SF./PERSON
IBC TABLE 1004.1.1	ACCESSORY STORAGE, MECHANICAL EQUIPT ROOM	300 GROSS SF./PERSON
IBC TABLE 1004.1.1	ACCESORY MERCANTILE	60 GROSS SF./PERSON
IBC TABLE 1004.1.1	ACCESSORY BUSINESS	100 NET SF/ PER PERSON

CONSTRUCTION TYPE AND BUILDING SIZE LIMITATIONS		
SECTION	ITEM	DESCRIPTION
IBC TABLE 503	OCCUPANCY TYPE S-2	CONSTRUCTION TYPE 1A
IBC TABLE 503	BUILDING HEIGHT S-2	UNLIMITED
IBC TABLE 503	BUILDING AREA S-2	UNLIMITED
* PER IBC TABLE 508.4 AND IBC 510.4 FOR PARKING GARAGE OF TYPE IA CONSTRUCTION A RESIDENTIAL BUILDING OF TYPE 1A CONSTRUCTION MAY BE BUILT ABOVE WITH NO SEPERATION REQUIREMENT		

FIRE RESISTIVE REQUIREMENTS - TYPE 1A CONSTRUCTION - SPRINKLED		
SECTION	ITEM	DESCRIPTION
IBC TABLE 601/602	BEARING WALLS	3 HOURS
IBC TABLE 601/602	STRUCTURAL FRAME; COLUMNS, GIRDERS, TRUSSES *PRIMARY	3 HOURS
IBC TABLE 601/602	NONBEARING EXTERIOR WALLS AND PARTITIONS 10' <= X < 30' FIRE SEPARATION DISTANCE	1 HOUR
IBC TABLE 601/602	NONBEARING EXTERIOR WALLS AND PARTITIONS 30' OR > FIRE SEPARATION DISTANCE	0 HOURS
IBC TABLE 601/602	NONBEARING WALLS AND PARTITIONS – INTERIOR UNLESS NOTED OTHERWISE BY CODE	0 HOURS (NOT LESS THAN FIRE RESISTANCE RATING REQUIRED BY OTHER SECTIONS OF IBC 2009)
IBC TABLE 601/602	FLOOR CONSTRUCTION – INCLUDING SUPPORTING BEAMS AND JOISTS *SECONDARY	2 HOURS
IBC TABLE 601/602	ROOF CONSTRUCTION – INCLUDING SUPPORTING BEAMS AND JOISTS	1.5 HOUR

FIRE SEPARATION REQUIREMENTS		
SECTION	ITEM	DESCRIPTION
IBC 508.4; IBC 509.4	FUDCH ASSEMBLY BTWN S-2/ R-2	2 HOURS
IBC 708	BOILER ROOM:	2 HOURS; OPENINGS TO BE 90 MIN, ESSENTIAL TO ROOM.
IBC 403.4.7.1	STANDBY OR EMERGENCY GENERATOR ROOMS	2 HOURS
NFPA	ROOMS CONTAINING FIRE PUMPS	2 HOURS
IBC 713.13.4	TRASH ROOMS AND CHUTES	2 HOURS CONNECTION 4 OR MORE STORIES
IBC 707.3.1	SHAFT ENLOSURES	2 HOURS CONNECTING 4 OR MORE STORIES; 1 HR CONNECTION LESS THAN 4 STORES
IBC 707.3.2	EXIT ENCLOSURES	2 HOURS CONNECTING 4 OR MORE STORIES; 1 HR CONNECTION LESS THAN 4 STORES
IBC 707.3.3	EXIT PASSAGEWAYS	1 HOUR BUT NOT LESS THAN A CONNECTING EXIT ENCLOSURE
IBC 707.3.4	HORIZONTAL EXITS	2 HOURS
IBC 707.3.8	SEPARATION S2 TO M	1 HOUR
IBC 707.3.8	SEPARATION S2 TO R	1 HOUR
IBC 1018.1	PUBLIC CORRIDORS (USE S)	0 HOURS
IBC 708	STORAGE OVER 100 SF:	2 HOURS
IBC 708	COMMON SHAFT WALLS:	1 HOUR

AMERICANS WITH DISABILITY ACT ACCESSIBILITY GUIDELINES REQUIREMENTS		
SECTION	ITEM	REQUIREMENT
IBC 1003.2	CEILING HEIGHT	7'-6" EXCEPT ALLOWABLE PROJECTIONS, DOOR HEIGHT, 80" MIN @ STAIRS AND PARKING GARAGES (MIN 7' PER IBC 406.4.1)
ADA 404	DOOR HANDLES/ LATCHES:	A) HANDLES, PULLS, LATCHES AND LOCKS ON ALL ACCESSIBLE DOORS SHALL HAVE A SHAPE THAT IS EASY TO GRASP. LEVER OPERATED MECHANISMS WOULD BE AN ACCEPTABLE DESIGN. B) MOUNTING HEIGHT TO BE 34" MINIMUM AND 48" MAXIMUM ABOVE FLOOR. C) DOORS THAT LEAD TO HAZARDOUS OR DANGEROUS AREAS ARE TO HAVE A TEXTURED SURFACE ON THE DOOR HANDLE.
ADA 304.4	MANEUVERING CLEARANCES	SEE ILLUSTRATIONS ON PAGE G-
ADA 404	TWO DOORS IN SERIES:	A) THE MINIMUM SPACE BETWEEN TWO DOORS SHALL BE 48" + THE WIDTH OF THE DOOR SWINGING INTO THE SPACE. B) DOORS SHALL SWING EITHER IN THE SAME DIRECTION OR AWAY FROM THE SPACE BETWEEN THE DOORS.
ADA 302.1; ADA 302.2	THRESHOLDS/FLOOR LEVEL CHANGES:	A) MAXIMUM HEIGHT: 1/4"; 1/2" IF BEVELED B) SLOPE: THRESHOLDS SHALL BE BEVELED WITH MAX. SLOPE OF 1:2
ADA 404	OPENING FORCE:	THE MAXIMUM FORCE FOR OPENING A DOOR IS: 8.5LB FOR EXTERIOR DOORS AND 5 LB FOR INTERIOR DOORS.
ADA 405.5	RAMPS: MINIMUM WIDTH	A) RAMPS REQUIRED AS A MEANS OF EXIT SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS FOR INTERIOR STAIRS. B) 36 INCHES
ADA 405.2; ADA 405.6	RAMPS: SLOPE AND RISE	A) MAXIMUM SLOPE IS 1:12 AND THE B) MAXIMUM RISE IS 30 INCHES. C) MAXIMUM DISTANCE BETWEEN LANDINGS IS 30'-0" D) SURFACE TO BE "NON-SKID"
ADA 405.7	RAMPS: LANDINGS	A) LENGTH OF LANDING IS 60" MINIMUM. B) WIDTH AS WIDE AS RUN LEADING TO IT. C) AT CHANGE OF DIRECTION: 60" X 120"
ADA 405.8	RAMPS: HANDRAILS	A) HANDRAILS ARE REQUIRED ON BOTH SIDES OF RAMP HAVING A RISE GREATER THAN 6"OR A HORIZONTAL PROJECTION GREATER THAN 72". B) THE INSIDE HANDRAIL ON SWITCHBACK OR DOGLEG RAMPS SHALL ALWAYS BE CONTINUOUS. C) IF HANDRAILS ARE NOT CONTINUOUS, THEY SHALL EXTEND AT LEAST 12' BEYOND THE TOP AND BOTTOM OF THE RAMP AND SHALL BE PARALLEL WITH THE FLOOR OR GROUND SURFACE. D) THE CLEAR SPACE BETWEEN THE HANDRAIL AND THE WALL SHALL BE 1-1/2". E) TOP OF HANDRAIL SHALL BE MOUNTED BETWEEN 34 AND 38 IN ABOVE THE RAMP SURFACE. F) HANDRAILS SHALL NOT ROTATE IN THEIR FITTINGS. G) ENDS OF HANDRAILS SHALL BE EITHER ROUNDED OR RETURNED SMOOTHLY TO FLOOR WALL OR POST.
ADA 504	STAIRS: MINIMUM WIDTH	44" TYP. 48" BETWEEN HANDRAILS IF ADJACENT TO AN AREA OF RESCUE ASSISTANCE
ADA 504.2	STAIRS: MAXIMUM RISER HEIGHT AND MINIMUM TREAD WIDTH	MAXIMUM RISER HEIGHT: 7" MINIMUM TREAD WIDTH: 11" THE HEIGHT OF 2 RISERS + THE WIDTH OF A TREAD MUST = 24" TO 27".
ADA 505	STAIRS: HANDRAILS	A) RAILS OR GUARDS SHALL BE CONTINUOUS ALONG BOTH SIDES OF STAIRS. THE INSIDE HANDRAIL ON SWITCHBACK OR DOGLEG STAIRS SHALL ALWAYS BE CONTINUOUS. B) EXTENSIONS: 12" BEYOND TOP RISER 12" + WIDTH OF ONE TREAD BEYOND THE BOTTOM RISER. C) TOP HANDRAILS SHALL BE 34" TO 38" ABOVE STAIR NOSINGS. D) HANDRAILS MUST BE 1-1/4" TO 1-1/2" IN DIAMETER. E) INTERMEDIATE HANDRAILS SHALL BE PROVIDED, CONTINUOUS BETWEEN LANDINGS, WHERE STAIR WIDTH EXCEEDS 88". F) MUST RETURN TO THE WALL. G) 1-1/2" MIN. CLEAR SPACE MUST BE PROVIDED BETWEEN THE HANDRAIL AND THE WALL. H) HANDRAILS SHALL PROJECT LESS THAN 4" FROM WALL.
ADA 504	STAIRS: DETECTABLE WARNING	ALL STAIRS, EXCEPT THOSE IN ENCLOSED TOWERS, OR SET TO THE SIDE OF THE PATH OF TRAVEL SHALL HAVE A DETECTABLE WARNING AT THE TOP OF THE STAIR RUNS.
ADA 502	PARKING REQUIREMENTS:	1. ACCESSIBLE PARKING SPACES SHOULD BE LOCATED ON THE SHORTEST ROUTE TO AN ACCESSIBLE ENTRANCE. 2. DIMENSIONS: 16'-0" WIDE WITH AN 8'-0" WIDE DIAGONALLY STRIPED ACCESS AISLE. ADJACENT PARKING SPACES SHALL NOT SHARE A COMMON ACCESS AISLE. 3. SPACES AND ACCESS AISLES SHALL NOT EXCEED A 2% SLOPE IN ANY DIRECTION. 4. NUMBER REQUIRED: SEE IAC310.C.1.
	ACCESSIBLE ROUTE:	1. ACCESSIBLE ROUTES MIN 36" WIDTH 2. TURNING AND PASSING SPACES 60" RADIUS OR WIDTH. PROVIDE PASSING SPACE AT EVERY 200 FT. 3. MIN HEADROOM 80" 4. SLOPE OVER 20% IS CONSIDERED A RAMP. 5. SPACES IN GRATINGS TO HAVE MAX 1/2" OPENING. 6. OBJECTS PROTRUDING FROM WALLS WITH THEIR LEADING EDGES BETWEEN 27" AND 80" A.F.F. SHALL PROTRUDE NO MORE THAN 4".
	ENTRANCES:	1. ENTRANCES SHALL BE PART OF AN ACCESSIBLE ROUTE TO PUBLIC TRANSPORTATION STOPS, ACCESSIBLE PARKING, PASSENGER LOADING ZONES, AND TO PUBLIC STREETS OR SIDEWALKS IF AVAILABLE. THEY SHALL ALSO BE CONNECTED BY AN ACCESSIBLE ROUTE TO ALL ACCESSIBLE SPACES WITHIN THE BUILDING FACILITY. 2. AT LEAST 50% FOR ALL PUBLIC ENTRANCES MUST BE ACCESSIBLE. AT LEAST ONE MUST BE A GROUND FLOOR ENTRANCE. 3. ACCESSIBLE ENTRANCES MUST EQUAL THE NUMBER OF FIRE EXITS REQUIRED. 4. WHERE FEASIBLE, ACCESSIBLE ENTRANCES SHALL BE THE ENTRANCES USED BY THE MAJORITY OF THE PEOPLE VISITING OR WORKING IN THE BUILDING. 5. ENTRANCES WHICH ARE NOT ACCESSIBLE SHALL HAVE DIRECTIONAL SIGNAGE WHICH INDICATES THE LOCATION OF THE NEAREST ACCESSIBLE ENTRANCE 6. PROVIDE A CLEAR, LEVEL SPACE OF AT LEAST 3'-0" WHEN THE DOORS ARE OPEN POSITION.
ADA 407	ELEVATORS:	1. AUTOMATIC OPERATION: EACH CAR SHALL BE EQUIPPED WITH A SELF-LEVELING FEATURE THAT WILL AUTOMATICALLY BRING THE CAR TO FLOOR LANDINGS WITHIN A TOLERANCE OF ½" 2. HALL CALL BUTTONS: A) HEIGHT: CENTERED AT 42: A.F.F. B) VISUAL SIGNALS SHALL INDICATE WHEN EACH CALL IS REGISTERED AND ANSWERED. C) CALL BUTTONS SHALL BE A MINIMUM OF ¾" IN THE SMALLEST DIMENSION, RAISED OR FLUSH. 3. HALL LANTERNS A) HEIGHT: 72" MINIMUM TO CENTERLINE A.F.F. B) SIGNALS SHALL BE VISIBLE FROM THE VICINITY OF THE CALL BUTTONS. 4. PROVIDE RAISED AND BRAILLE CHARACTERS ON BOTH JAMBS OF ALL HOISTWAY ENTRANCES INDICATING FLOOR DESIGNATIONS. THE CENTERLINE OF THE CHARACTERS SHALL BE 60" A.F.F. AND SHALL BE 2" HIGH. 5. ALL ELEVATORS SHALL BE PROVIDED WITH A TOP ACCESS OPENING, WITH COVER, WHICH SHALL HAVE AN AREA OF NOT LESS THAN 400 SQ. IN. CBC 30(13-156-320)
ADA 603	SINKS	1. HEIGHT: RIM HEIGHT MAXIMUM 34 INCHES 2. KNEE CLEARANCE: 27" WIDE, 30" WIDE, 19 " DEEP 3. DEPTH: MAXIMUM OF 6-1/2" 4. CLEAR FLOOR SPACE: 30" X 48" 5. EXPOSED PIPES AND SURFACES: SHALL BE PROTECTED FROM DIRECT CONTACT. 6. FAUCETS: LEVER-OPERATED, PUSH TYPE, TOUCH TYPE OR ELECTRONICALLY CONTROLLED.
ADA 603	TOILET ROOMS: WATER CLOSETS	1. THE HEIGHT OF THE ACCESSIBLE WATER CLOSET FROM THE FINISH FLOOR IS TO BE 17" TO 19". 2. CONTROLS FOR FLUSH VALVES SHALL BE MOUNTED 44"MAXIMUM A.F.F. 3. TOILET PAPER DISPENSERS MUST BE WITHIN REACH AND MUST PERMIT CONTINUOUS PAPER FLOW. 4. GRAB BARS ARE REQUIRED AT ONE SIDE AND BACK OF TOILET STALL. SEE ILLUSTRATION B, FIGURES 28 AND 29.
ADA 603	TOILET ROOMS: LAVATORY AND MIRROR REQUIREMENT	1. LAV. HEIGHT: 34" TO TOP OF RIM OR COUNTER 2. LAV. CLEARANCES: 29" TO BOTTOM OF APRON 3. CLEAR FLOOR SPACE: 30"X48" IN FRONT OF LAVATORIES 4. MIRRORS SHALL BE MOUNTED AT 40" MAXIMUM TO THE BOTTOM OF THE REFLECTIVE SURFACE.
ADA 304	TOILET ROOMS: CLEAR FLOOR SPACE	1. AN UNOBSTRUCTED CLEAR FLOOR SPACE OF 60" DIAMETER IS REQUIRED WITHIN EACH ACCESSIBLE TOILET ROOM. 2. THE CLEAR FLOOR SPACE AT FIXTURES, CONTROLS, THE ACCESSIBLE ROUTE AND THE TURNING SPACE MAY OVERLAP. 3. DOORS SHALL NOT SWING INTO THE FLOOR SPACE REQUIRED FOR ANY FIXTURE.
ADA 603	TOILET ROOMS: 6. CONTROLS AND DISPENSERS	THE OPERABLE PARTS OF CONTROLS AND DISPENSERS ARE TO BE BETWEEN 15" AND 48" FROM FLOOR FOR FRONT APPROACH AND BETWEEN 9" AND 54" FOR SIDE APPROACH.
ADA 206.2.4	ACCESSIBILITY NOT REQUIRED	NON-OCCUPIABLE SPACES ACCESSED ONLY BY LADDERS, CATWALKS, CRAWL SPACES, VERY NARROW PASSAGEWAYS, OR FREIGHT (NON-PASSENGER) ELEVATORS, AND FREQUENTED ONLY BY SERVICE PERSONNEL FOR REPAIR PURPOSES; SUCH SPACES INCLUDE, BUT ARE NOT LIMITED TO, ELEVATOR PITS, ELEVATOR PENTHOUSES, PIPING, OR EQUIPMENT CATWALKS.

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General Notes

WISCONSIN JAMES R. DESTEFANO 3614-5 MADISON ARCHITECT

No.	Description	Date
9	BID DOCUMENTS	09/07/2017
7	ADDENDUM #2	07/28/2017
6	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
5	ISSUED FOR FINAL BID	06/23/2017
4	ISSUED FOR BID	06/16/2017
3	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
2	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS
A WSP | PARSONS BRINCKERHOFF COMPANY

MEP/FP ENGINEERS:
AEI Affiliated Engineers

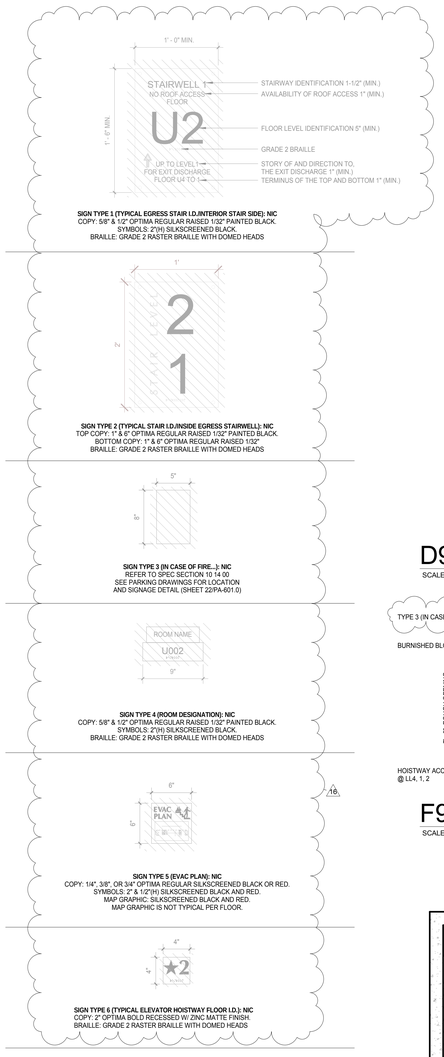
CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

BUILDING CODE MATRIX

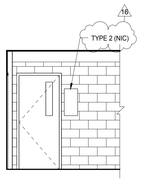
Drawn	Date
Author	9/5/2017 11:27:21 AM
Checked By	Drawing Number
Checker	
Approved	
Approver	G-100.0
Job Number	
215-1051	



GENERAL NOTES:

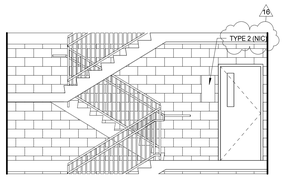
1. SIGNAGE TO COMPLY WITH ALL APPLICABLE ACCESSIBILITY GUIDELINES.
2. EGRESS SIGNAGE TO COMPLY WITH IBC SECTION 1023.9.
3. ALL SIGNS TO BE BRUSHED STAINLESS STEEL WITH BLACK TEXT AND IMAGES.
4. SEE PARKING DRAWINGS FOR ADDITIONAL SIGNAGE.

SIGNAGE DIAGRAMS



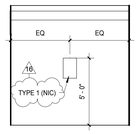
C8 TYP. VESTIBULE STAIR SIGNAGE

SCALE: 1/4" = 1'-0"



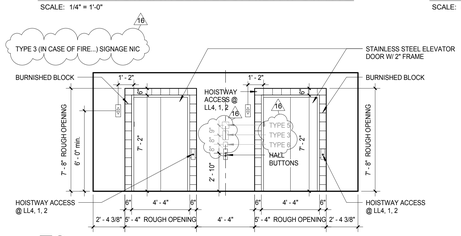
D9 TYP. STAIRWELL FLOOR I.D. AT STAIR 2

SCALE: 1/4" = 1'-0"



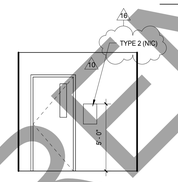
D7 TYP. STAIRWELL EGRESS SIGNAGE AT STAIR 2

SCALE: 1/4" = 1'-0"



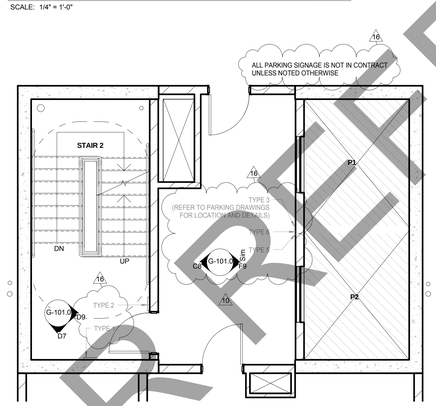
F9 TYP. ELEVATOR VESTIBULE SIGNAGE

SCALE: 1/4" = 1'-0"



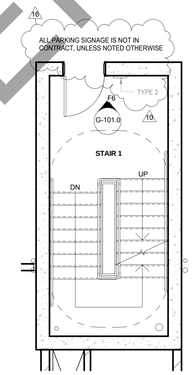
F6 TYP. STAIRWELL EGRESS SIGNAGE AT STAIR 1

SCALE: 1/4" = 1'-0"



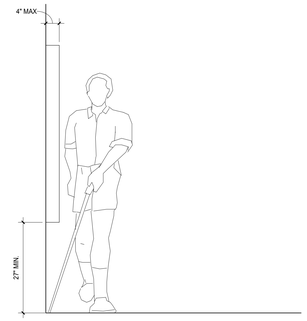
H9 TYPICAL STAIR 2 SIGNAGE PLAN

SCALE: 1/4" = 1'-0"



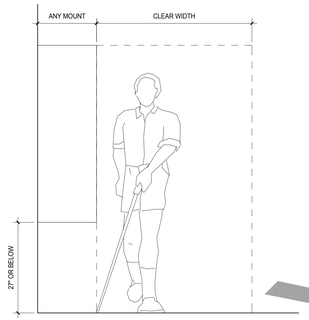
H6 TYPICAL STAIR 1 SIGNAGE PLAN

SCALE: 1/4" = 1'-0"



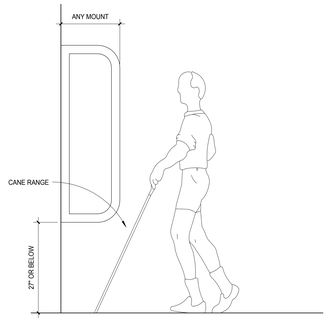
WALKING PARALLEL TO A WALL

1. ACCESIBILITY REQUIREMENTS
   a. SIGNAGE TO BE IN COMPLIANCE W/ ADAAG SECTION 4.1.3 (16)
   b. DOORS TO BE IN COMPLIANCE W/ IAC400.310 (j)
   c. CONTROLS AND OPERATING MECHANISMS TO BE IN COMPLIANCE W/ IAC 400.310 (r)
   d. ALARMS TO BE IN COMPLIANCE W/ IAC 400.310 (s)
   e. PROJECT MUST COMPLY FULLY W/ AN IL ACCESSIBILITY CODE REQUIREMENTS PER SECTION 400.310 AND 400.510
   f. PROJECT MUST COMPLY FULLY W/ AMERICANS WITH DISABLITIES ACT TITLE II/ADAAG REQUIREMENTS, SECTION 4.1.3



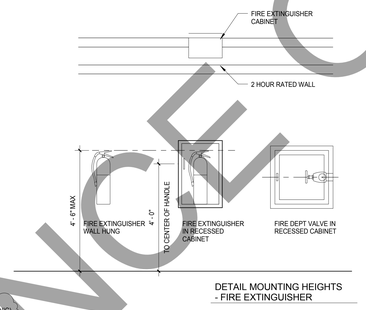
WALKING PARALLEL TO A WALL

2. EMERGENCY SYSTEMS:
   a. ALL EMERGENCY SYSTEMS, AUDIO, AND VISUAL, WILL FULLY COMPLY W/ ADA AND IAC FOR HEIGHT AND DISTANCE

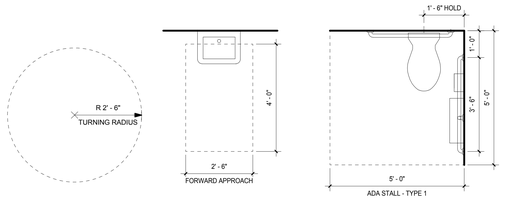


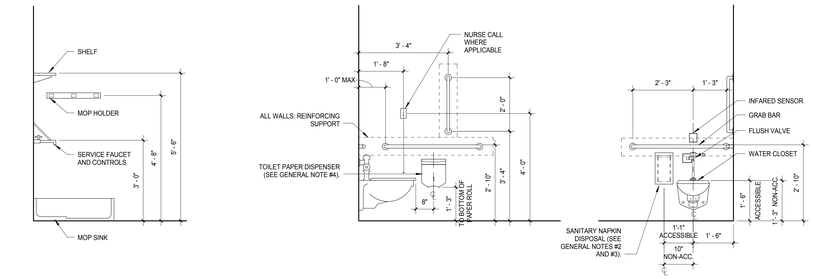
WALKING PERPENDICULAR TO A WALL

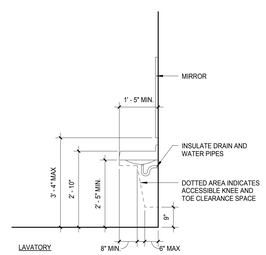
ACCESSIBLE WALK RANGES

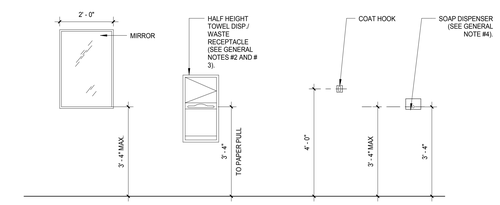


DETAIL MOUNTING HEIGHTS - FIRE EXTINGUISHER





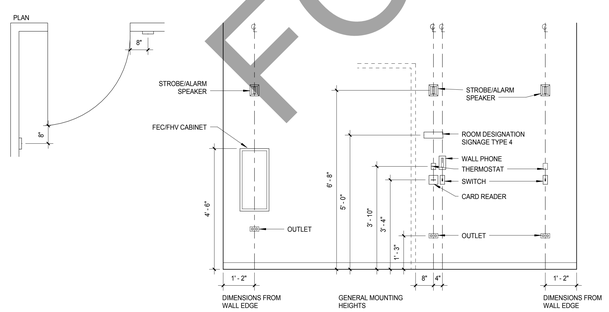


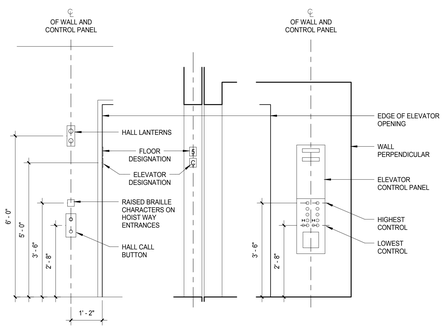


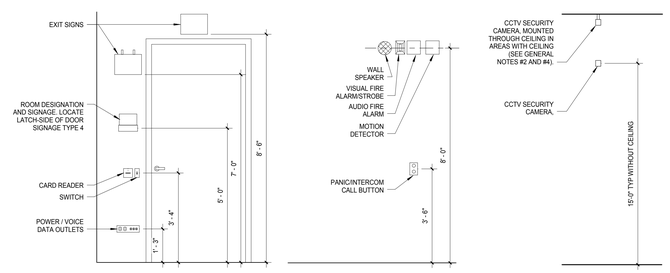
DETAIL MOUNTING HEIGHTS - BATHROOM EQUIPMENT

NOTES:

1. ALL DEVICES SHALL BE ALIGNED ON A COMMON VERTICAL LINE REPRESENTING THEIR CENTERS.
2. IF TWO DEVICES OCCUR @ THE SAME ELEVATION ON ANY GIVEN CENTERLINE, THEY SHALL BE PLACED NEXT TO EACH OTHER. THEIR COMMON CENTER ALIGNED W/ THE CENTERLINE OF ANY DEVICES ABOVE OR BELOW UNLESS OTHERWISE NOTED. CONTACT ARCHITECT FOR PLACEMENT PRIOR TO INSTALLATION.
3. FAILURE TO FOLLOW MOUNTING HEIGHTS WILL RESULT IN REJECTION OF INSTALLATION.
4. KEY IS PROVIDED TO ESTABLISH MOUNTING HEIGHTS AS REQUIRED BY CODE. REFER TO CONSTRUCTION DOCUMENTS FOR ACTUAL EQUIPMENT DESIGN, MODEL NO., PLAN, ECT...







TYPICAL EQUIPMENT

FOR REFERENCE ONLY

General Notes

No.	Description	Date
16	FINAL BULLETIN #6	09/14/2018
12	BULLETIN #3	03/05/2018
10	BULLETIN #1	11/08/2017
9	BID DOCUMENTS	09/07/2017
7	ADDENDUM #2	07/28/2017
6	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
5	ISSUED FOR FINAL BID	06/23/2017
4	ISSUED FOR BID	06/16/2017
3	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
2	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - PODIUM

JUDGE DOYLE SQUARE

CITY OF MADISON

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE

Drawing Title

TYPICAL MOUNTING LOCATIONS AND ACCESSIBILITY DIAGRAMS

Drawn	Date
Author	9/14/2018 5:58:51 PM
Checked By	Drawing Number
Checker	G-101.0
Approved	
Approver	
Job Number	
217-1088	

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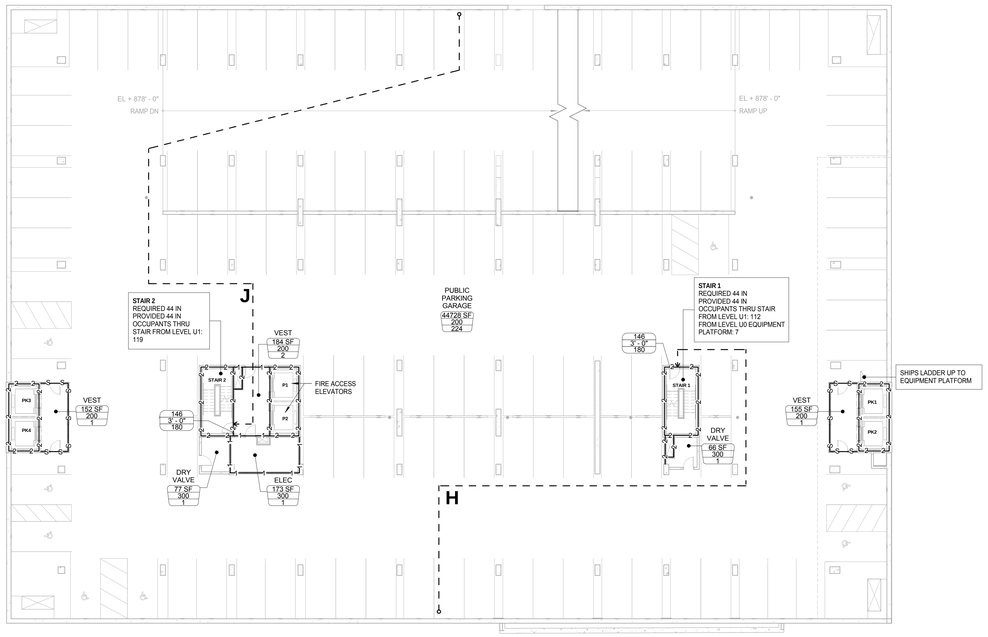
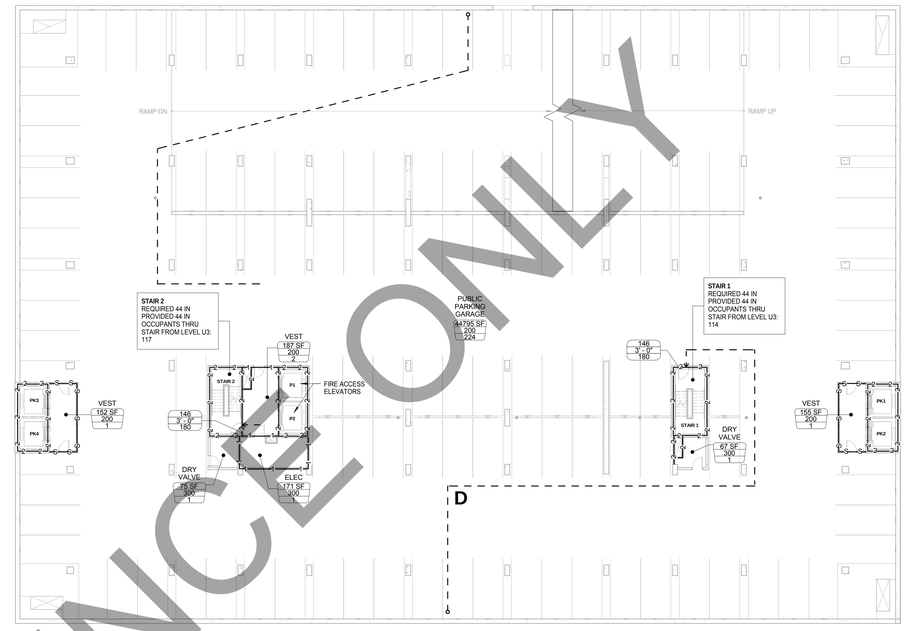
EGRESS PATH	
MARK	TRAVEL DISTANCE
A	349' - 1 3/8"
B	227' - 10 7/8"
C	112' - 2 3/4"
D	195' - 2 7/8"
E	189' - 10 1/8"
F	194' - 8 1/2"
G	231' - 7 1/4"
H	195' - 2 1/4"
J	231' - 10 1/4"
K	180' - 9 1/2"
L	175' - 1 7/8"



LEVEL U1 - PUBLIC PARKING GARAGE
TOTAL OCCUPANCY: 238

E7 LEVEL U1 - FIRE AND LIFE SAFETY PLAN

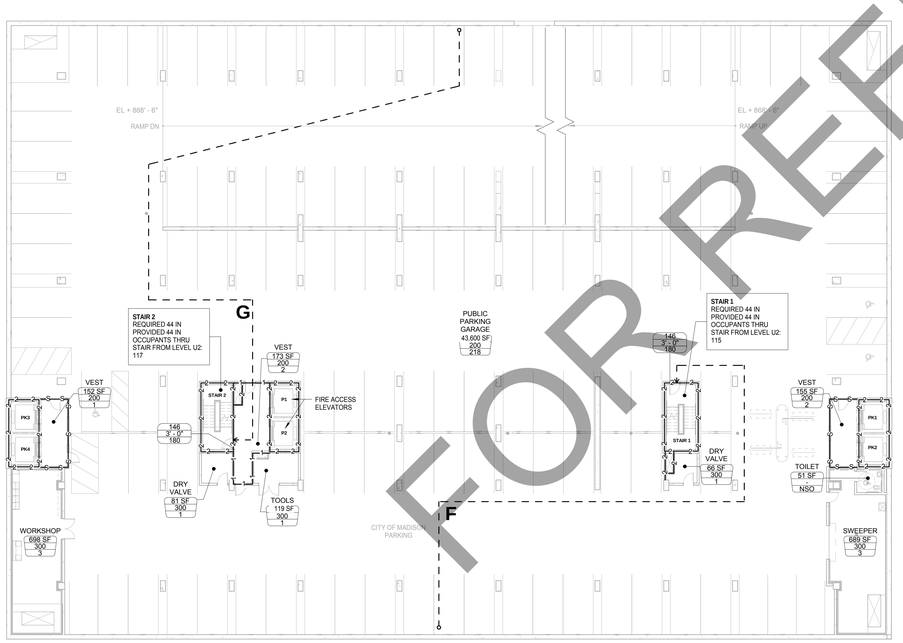
SCALE: 1/16" = 1'-0"



LEVEL U3 - PUBLIC PARKING GARAGE
TOTAL OCCUPANCY: 231

E1 LEVEL U3 - FIRE AND LIFE SAFETY PLAN

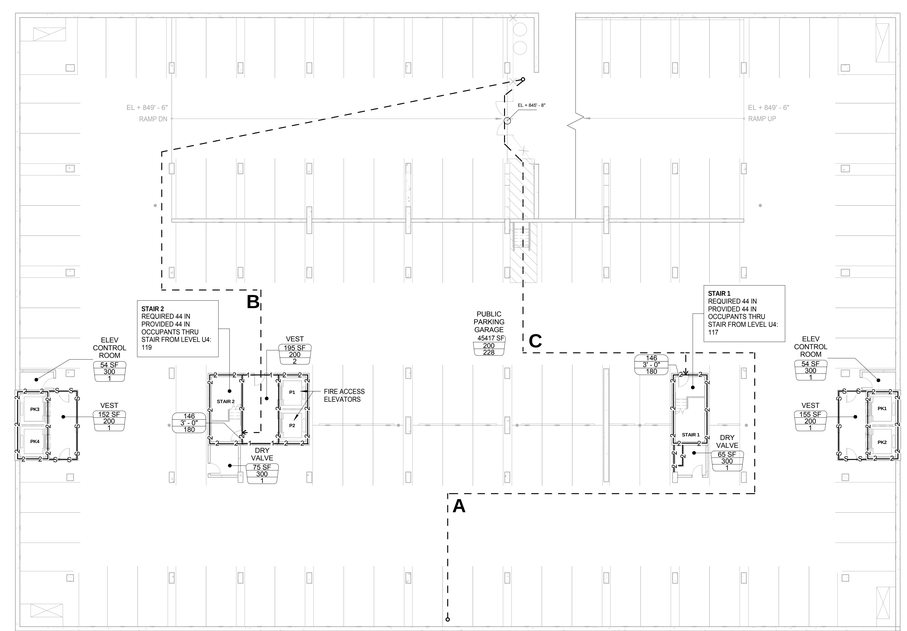
SCALE: 1/16" = 1'-0"



LEVEL U2 - PUBLIC PARKING GARAGE
TOTAL OCCUPANCY: 232

K7 LEVEL U2 - FIRE AND LIFE SAFETY PLAN

SCALE: 1/16" = 1'-0"



LEVEL U4 - PUBLIC PARKING GARAGE
TOTAL OCCUPANCY: 236

K1 LEVEL U4 - FIRE AND LIFE SAFETY PLAN

SCALE: 1/16" = 1'-0"

FOR REFERENCE ONLY

General Notes

LIFE SAFETY LEGEND

ONE HOUR

TWO HOUR

THREE HOUR

SMOKE

EGRESS PATH

ROOM OCCUPANCY

150 SF — ROOM AREA
100 — OCCUPANT LOAD FACTOR
2 — NUMBER OF OCCUPANTS OR NSO (NON-SIMULTANEOUS OCCUPANCY)

DOOR EGRESS TAG

112 — OCCUPANT LOAD
3' - 0" — WIDTH OF DOOR
180 — ACTUAL EXITING CAPACITY

STAIR EGRESS TAG

STAIR A
REQUIRED STAIR WIDTH
PROVIDED STAIR WIDTH
OCCUPANTS THRU STAIR
FROM LEVELS SERVED

EGRESS EXIT DOOR TAG

EXIT DOOR 101
REQUIRED DOOR WIDTH
PROVIDED DOOR WIDTH
OCCUPANTS THRU DOOR

NOTE
1. SEE REFLECTED CEILING PLANS FOR EXIT LIGHT LOCATIONS
2. SEE DOOR SCHEDULE ON SHEET A-502.0 FOR DOOR RATINGS
3. SEE ARCHITECTURAL PLANS FOR DOOR AND PARTITION TYPES
4. SEE SHEET A-500.0 FOR PARTITION MATERIALS AND ASSEMBLY

WISCONSIN
JAMES R. DESTEFANO
3614-5
MADISON
WI
ARCHITECT

No.	Description	Date
9	BID DOCUMENTS	09/07/2017
6	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
5	ISSUED FOR FINAL BID	06/23/2017
4	ISSUED FOR BID	06/16/2017
3	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
2	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

EXITING AND LIFE SAFETY

Drawn	Date
Author	9/5/2017 11:27:27 AM
Checked By	Drawing Number
Checker	
Approved	
Approver	
Job Number	
215-1051	

G-102.0

TRUE NORTH
PROJECT NORTH

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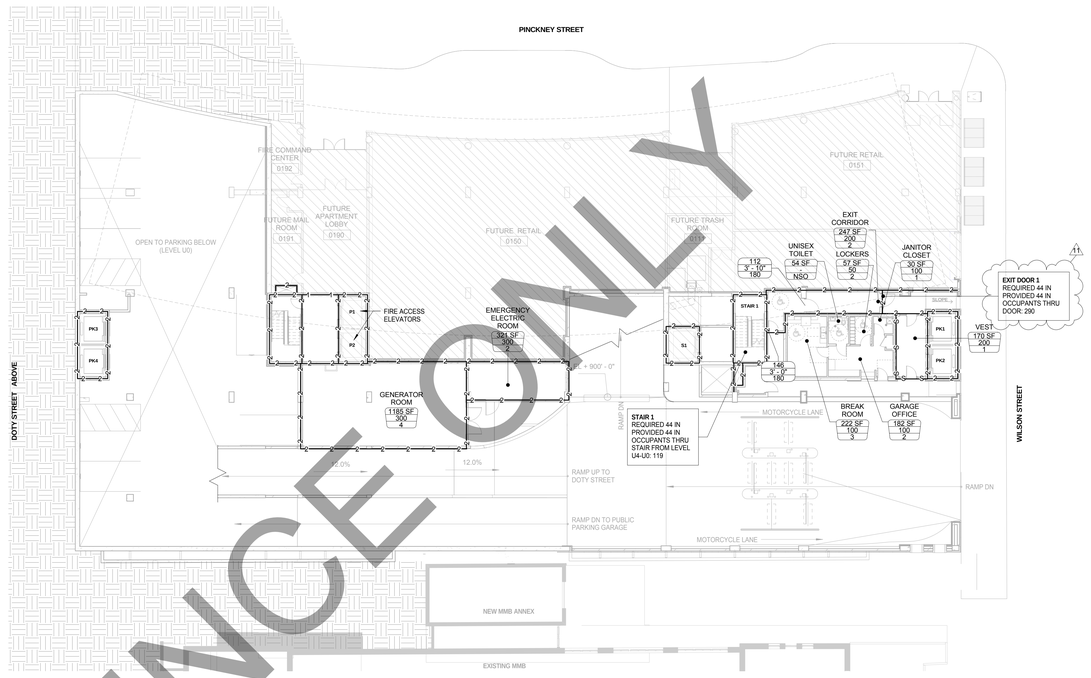
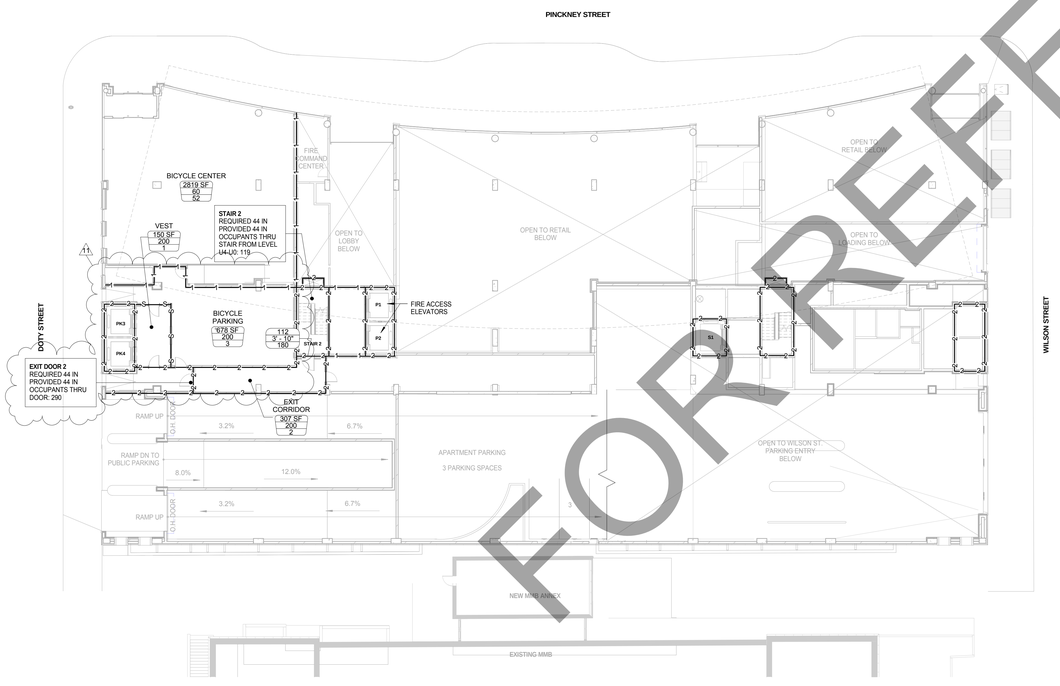
EGRESS PATH	
MARK	TRAVEL DISTANCE
A	349' - 1 3/8"
B	227' - 10 7/8"
C	112' - 2 3/4"
D	195' - 2 7/8"
E	189' - 10 1/8"
F	194' - 8 1/2"
G	231' - 7 1/4"
H	195' - 2 1/4"
J	231' - 10 1/4"
K	180' - 9 1/2"
L	175' - 1 7/8"



GROUND LEVEL 1 - PUBLIC PARKING GARAGE OFFICE
TOTAL OCCUPANCY: 17

E1 LEVEL 1 WILSON ST ENTRY - FIRE AND LIFE SAFETY PLAN

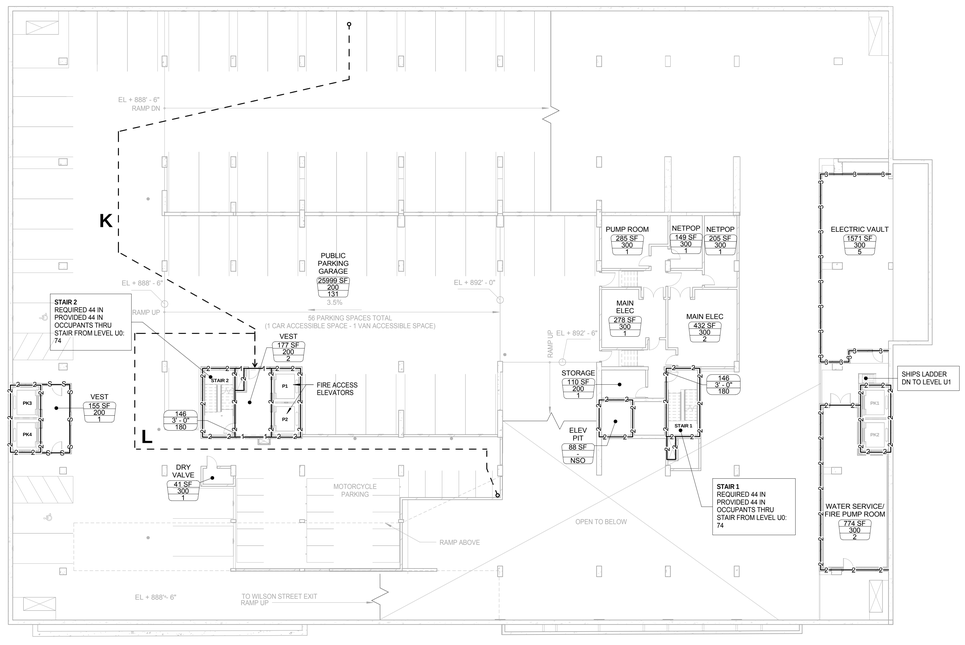
SCALE: 1/16" = 1'-0"



GROUND LEVEL 2 - BICYCLE CENTER / BICYCLE PARKING / GARAGE ENTRY
TOTAL OCCUPANCY: 58

K7 LEVEL 2 DOTY ST ENTRY - FIRE AND LIFE SAFETY PLAN

SCALE: 1/16" = 1'-0"



LEVEL U0 - PUBLIC PARKING GARAGE
TOTAL OCCUPANCY: 148

K1 LEVEL U0 - FIRE AND LIFE SAFETY PLAN

SCALE: 1/16" = 1'-0"

FOR REFERENCE ONLY

General Notes

LIFE SAFETY LEGEND

ONE HOUR
TWO HOUR
THREE HOUR
SMOKE
EGRESS PATH

ROOM OCCUPANCY
150 SF — ROOM AREA
100 — OCCUPANT LOAD FACTOR
2 — NUMBER OF OCCUPANTS OR NSO (NON-SIMULTANEOUS OCCUPANCY)

DOOR EGRESS TAG
112 — OCCUPANT LOAD
3' - 0" — WIDTH OF DOOR
180 — ACTUAL EXITING CAPACITY

STAIR EGRESS TAG
STAIR A
REQUIRED STAIR WIDTH PROVIDED STAIR WIDTH OCCUPANTS THRU STAIR FROM LEVELS SERVED

EGRESS EXIT DOOR TAG
EXIT DOOR 101
REQUIRED DOOR WIDTH PROVIDED DOOR WIDTH OCCUPANTS THRU DOOR

NOTE
1. SEE REFLECTED CEILING PLANS FOR EXIT LIGHT LOCATIONS
2. SEE DOOR SCHEDULE ON SHEET A-502.0 FOR DOOR RATINGS
3. SEE ARCHITECTURAL PLANS FOR DOOR AND PARTITION TYPES
4. SEE SHEET A-500.0 FOR PARTITION MATERIALS AND ASSEMBLY

WISCONSIN JAMES R. DESTEFANO 3614-5 MADISON, WI ARCHITECT

No.	Description	Date
11	BULLETIN #2	12/07/2017
9	BID DOCUMENTS	09/07/2017
7	ADDENDUM #2	07/28/2017
6	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
5	ISSUED FOR FINAL BID	06/23/2017
4	ISSUED FOR BID	06/16/2017
3	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
2	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE

Drawing Title

EXITING AND LIFE SAFETY

Drawn	Date
Author	12/7/2017 3:07:20 PM
Checked By	Drawing Number
Checker	
Approved	
Approver	G-103.0
Job Number	
216-1066	

TRUE NORTH
PROJECT NORTH

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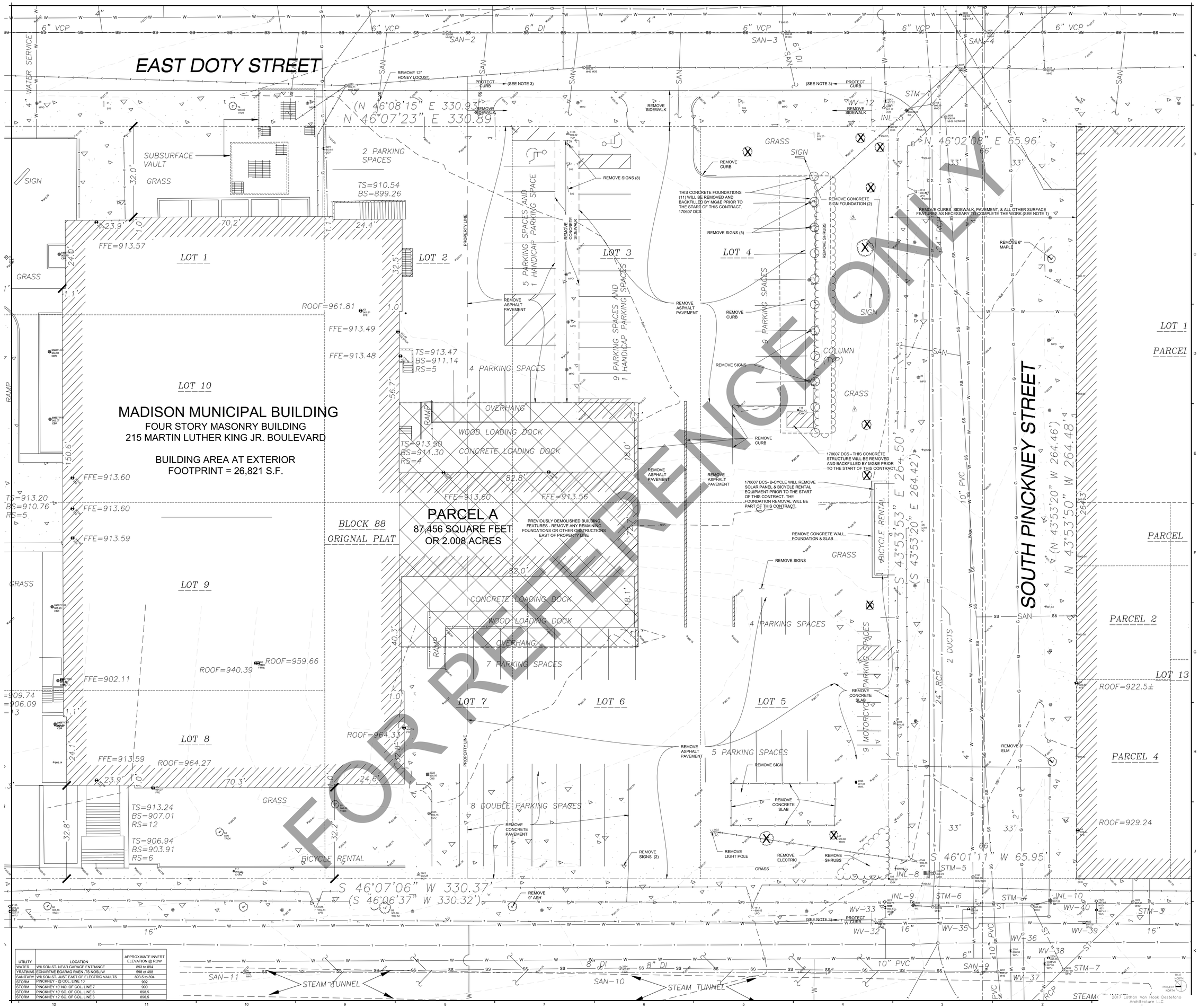

UTILITY	LOCATION	APPROXIMATE INVERT ELEVATION @ ROW
WATER	WILSON ST. NEAR GARAGE ENTRANCE	893 to 894
YRATINAS	ECNARTNE EGARAG RAEN .TS NOSLIW	598 ct 498
SANITARY	WILSON ST. JUST EAST OF ELECTRIC VAULTS	893.5 to 894
STORM	PINCKNEY - @ COL LINE 10	902
STORM	PINCKNEY 10' NO. OF COL. LINE 7	900
STORM	PINCKNEY 10' SO. OF COL. LINE 6	898.5
STORM	PINCKNEY 12' SO. OF COL. LINE 3	896.5

General Notes

1. SEE SHEET C-141.0 FOR DEMOLITION OF UTILITIES WITHIN THE RIGHT-OF-WAY.
2. REMOVE ALL TREES, SHRUBS, GRASS & TOPSOIL & HAUL FROM SITE. CONTRACTOR SHALL CONTACT CITY FORESTRY AT LEAST ONE WEEK PRIOR TO DEMOLITION TO OBTAIN A TREE REMOVAL PERMIT.
3. PROTECT CURB & GUTTER DURING CONSTRUCTION FOR DRAINAGE PURPOSES.
4. RETURN ALL TREE GRATES FROM REMOVALS R-O-W TREES TO THE CITY AT 4602 SYCAMORE AVE. CALL 266-4861 OR EMAIL DKAHL@CITYOFMADISON.COM 48 HOURS PRIOR TO DELIVERY.
5. CONTRACTOR SHALL REMOVE 20 PARKING METERS THAT ARE LOCATED WITHIN THE PARKING LOT & ALONG PINCKNEY & WILSON STREETS. CONTRACTOR SHALL COORDINATE THESE REMOVALS WITH THE CITY PARKING UTILITY.

LEGEND:

//E//	REMOVE ELECTRIC, UNDERGROUND
//FOC//	REMOVE FIBER OPTIC CABLE
//G//	REMOVE GAS LINE
//SS//	REMOVE SANITARY SEWER
//SD//	REMOVE STORM SEWER
//T//	REMOVE TELEPHONE
//W//	REMOVE WATER LINE
	ELECTRIC MANHOLE
	CLEANOUT, SANITARY
	ELECTRIC HANDHOLE
	FIBER OPTIC MANHOLE
	FIRE HYDRANT
	SANITARY SEWER MANHOLE
	STORM INLET, CURB
	STORM SEWER MANHOLE
	TELECOMMUNICATIONS MANHOLE
	WATER VALVE
G	GAS
E	ELECTRIC, UNDERGROUND
FOC	FIBER OPTIC CABLE
SS	SANITARY SEWER
SD	STORM SEWER
T	TELEPHONE, UNDERGROUND
W	WATER

No.	Description	Date
9	BID DOCUMENTS	09/07/2017
8	ADDENDUM NO. 3	08/02/2017
7	ADDENDUM NO. 2	07/28/2017
6	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
5	ISSUED FOR FINAL BID	06/23/2017
4	ISSUED FOR BID	06/16/2017
3	ISSUED FOR 100% CD'S/ OWNER'S REVIEW	06/01/2017
2	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017
1	ISSUED FOR SCHEMATIC DESIGN	03/22/2017

JUDGE DOYLE SQUARE – BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano
ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

SITE DEMOLITION PLAN

Drawn	Date
LGK	6/1/2017
Checked By	Drawing Number
Checker	
Approved	
Approver	C-111.0
Job Number	
215-1051	

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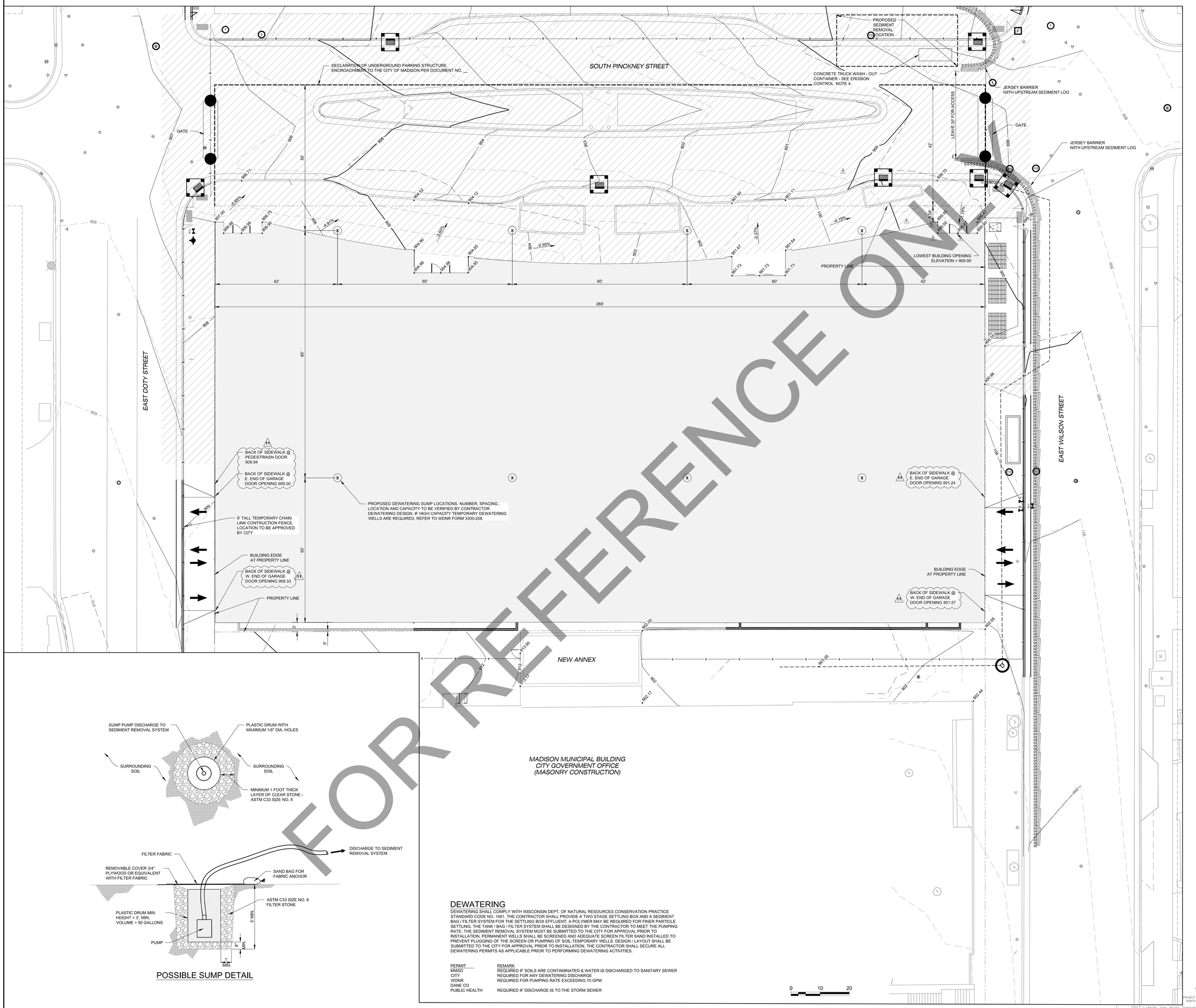

POSSIBLE SUMP DETAIL

DEWATERING

DEWATERING SHALL COMPLY WITH WISCONSIN DEPT. OF NATURAL RESOURCES CONSERVATION PRACTICE STANDARD CODE NO. 1061. THE CONTRACTOR SHALL PROVIDE A TWO STAGE SETTLING BOX AND A SEDIMENT BAG / FILTER SYSTEM FOR THE SETTLING BOX EFFLUENT. A POLYMER MAY BE REQUIRED FOR FINER PARTICLE SETTLING. THE TANK / BAG / FILTER SYSTEM SHALL BE DESIGNED BY THE CONTRACTOR TO MEET THE PUMPING RATE. THE SEDIMENT REMOVAL SYSTEM MUST BE SUBMITTED TO THE CITY FOR APPROVAL PRIOR TO INSTALLATION. PERMANENT WELLS SHALL BE SCREENED AND ADEQUATE SCREEN FILTER SAND INSTALLED TO PREVENT PLUGGING OF THE SCREEN OR PUMPING OF SOIL.TEMPORARY WELLS DESIGN / LAYOUT SHALL BE SUBMITTED TO THE CITY FOR APPROVAL PRIOR TO INSTALLATION. THE CONTRACTOR SHALL SECURE ALL DEWATERING PERMITS AS APPLICABLE PRIOR TO PERFORMING DEWATERING ACTIVITIES.

PERMIT	REMARK
MMSD	REQUIRED IF SOILS ARE CONTAMINATED & WATER IS DISCHARGED TO SANITARY SEWER
CITY	REQUIRED FOR ANY DEWATERING DISCHARGE
WDNR	REQUIRED FOR PUMPING RATE EXCEEDING 70 GPM
DANE CO	
PUBLIC HEALTH	REQUIRED IF DISCHARGE IS TO THE STORM SEWER

0 10 20

General Notes

1. THE RIGHT-OF-WAY IS THE SOLE JURISDICTION OF THE CITY OF MADISON AND IS SUBJECT TO CHANGE AT ANY TIME PER THE RECOMMENDATION / PLAN OF THE CITY TRAFFIC ENGINEERING AND CITY PUBLIC WORKS ENGINEERING DEPARTMENTS.
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3. ALL WORK IN THE RIGHT-OF-WAY SHALL BE PERFORMED BY A CITY LICENSED CONTRACTOR.
4. ALL PAVEMENT DAMAGE E. DOTY ST., E. WILSON ST., S. PINCKNEY ST. THAT IS ADJACENT TO THE PROJECT SHALL BE RESTORED IN ACCORDANCE WITH THE CITY'S PATCHING CRITERIA. REFER TO HTTP://WWW.CITYOFMADISON.COM/ENGINEERING/PATCHINGCRITERIA.CFM.
5. ALL SIDEWALK SHALL BE CONSTRUCTED TO PLANS APPROVED BY THE CITY.
6. THE CONTRACTOR SHALL WIDEN ALL SIDEWALK JOINTS BY SAWCUTTING TO A DEPTH OF 1/4 THE CONCRETE THICKNESS, THEN INSERT BACKER ROD, AND SEAL THE JOINT WITH SILICONE SEALANT.

EROSION CONTROL AND STORMWATER MANAGEMENT

1. STREET SWEEPING OR VACUUMING EQUIPMENT SHALL BE AVAILABLE AT ALL TIMES DURING CONSTRUCTION AND SHALL BE USED TO IMMEDIATELY REMOVE ANY SEDIMENT THAT IS TRANSPORTED OR ESCAPES THE IMMEDIATE CONSTRUCTION SITE.
2. THE CONTRACTOR SHALL DESIGN A DEWATERING AND SEDIMENT REMOVAL SYSTEM TO BE SUBMITTED TO THE CITY AS PART OF THE EROSION CONTROL APPLICATION.
3. ALL INLETS WITHIN THE CONSTRUCTION SITE AND WITHIN 300 FEET DOWNSTREAM OF THE DISTURBED AREA SHALL HAVE SEDIMENT CONTROL INLET PROTECTION.
4. THE CONTRACTOR SHALL PROVIDE A TEMPORARY CONTAINER(S) FOR CONCRETE TRUCK WASHOUT. THE CONTAINER SHALL HOLD A MINIMUM VOLUME OF 400 CUBIC FEET & SHALL HAVE A MINIMUM DEPTH OF 4 FEET. THE CONTAINER MAY BE PREMANUFACTURED OR CUSTOM CONSTRUCTED. THE CONTAINER SHALL HAVE A MINIMUM 50 MIL THICK HDPE LINER OR EQUIVALENT TO PREVENT LEAKAGE. THE CONTAINER(S) SHALL BE REGULARLY CLEANED AND THE CONTENTS PROPERLY DISPOSED.
5. WEEKLY AND STORM RELATED EROSION CONTROL INSPECTIONS SHALL BE PERFORMED AND REPORTED PER CITY ORDINANCE (CHAPTER 37). A USLE COMPUTATION HAS BEEN SUBMITTED AS PART OF THE CITY EROSION CONTROL APPLICATION. ANOI / WRAPP PERMIT APPLICATION HAS BEEN SUBMITTED TO THE WISCONSIN DEPARTMENT OF NATURAL RESORCES.
6. PROPER EROSION CONTROL MEASURES MUST BE IN PLACE FOR FIRE SYSTEM TESTING, AND CITY ENGINEERING SHALL BE CONTACTED @ 608.266.4751 TO VERIFY MEASURES ARE ADEQUATELY INSTALLED PRIOR TO THIS TESTING.
7. FOR EROSION CONTROL DETAILS, REFER TO CITY OF MADISON STANDARD DETAILS: WWW.CITYOFMADISON.COM/PW/DOCUMENTS/STDSPECS/2017
8. MAINTAIN EXISTING CURBS ALONG DOTY AND WILSON STREETS AND PROVIDE A MEANS FOR UPSTREAM DRAINAGE TO BE DIRECTED AROUND THE EXCAVATION DURING CONSTRUCTION.

LEGEND:

- INLET PROTECTION, TYPE D
- SSSSSSSSSSSSSSS SEDIMENT LOG
- XXX.X / XXX.X EXISTING CONTOUR LINES
- XXX(.XX) / XXX(.XX) PROPOSED CONTOUR LINES
- GRADING LIMITS
- 799.22 FINISHED / PROPOSED SPOT ELEVATION
- 3:1 / 2% FINISHED / PROPOSED SLOPE
- JERSEY BARRIER
- N.I.C. SIDEWALK / STREETSCAPE CONSTRUCTION ITEMS FOR REFERENCE ONLY - NOT IN CONTRACT

No.	Description	Date
11	BULLETIN #2	12/07/2017
10	BULLETIN #1	XX/XX/2017
9	BID DOCUMENTS	09/07/2017
8	ADDENDUM NO. 3	08/02/2017
7	ADDENDUM NO. 2	07/28/2017
6	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
5	ISSUED FOR FINAL BID	06/23/2017
4	ISSUED FOR BID	06/16/2017
3	ISSUED FOR 100% CD'S/ OWNER'S REVIEW	06/01/2017
2	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017
1	ISSUED FOR SCHEMATIC DESIGN	03/22/2017

JUDGE DOYLE SQUARE – BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP /FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

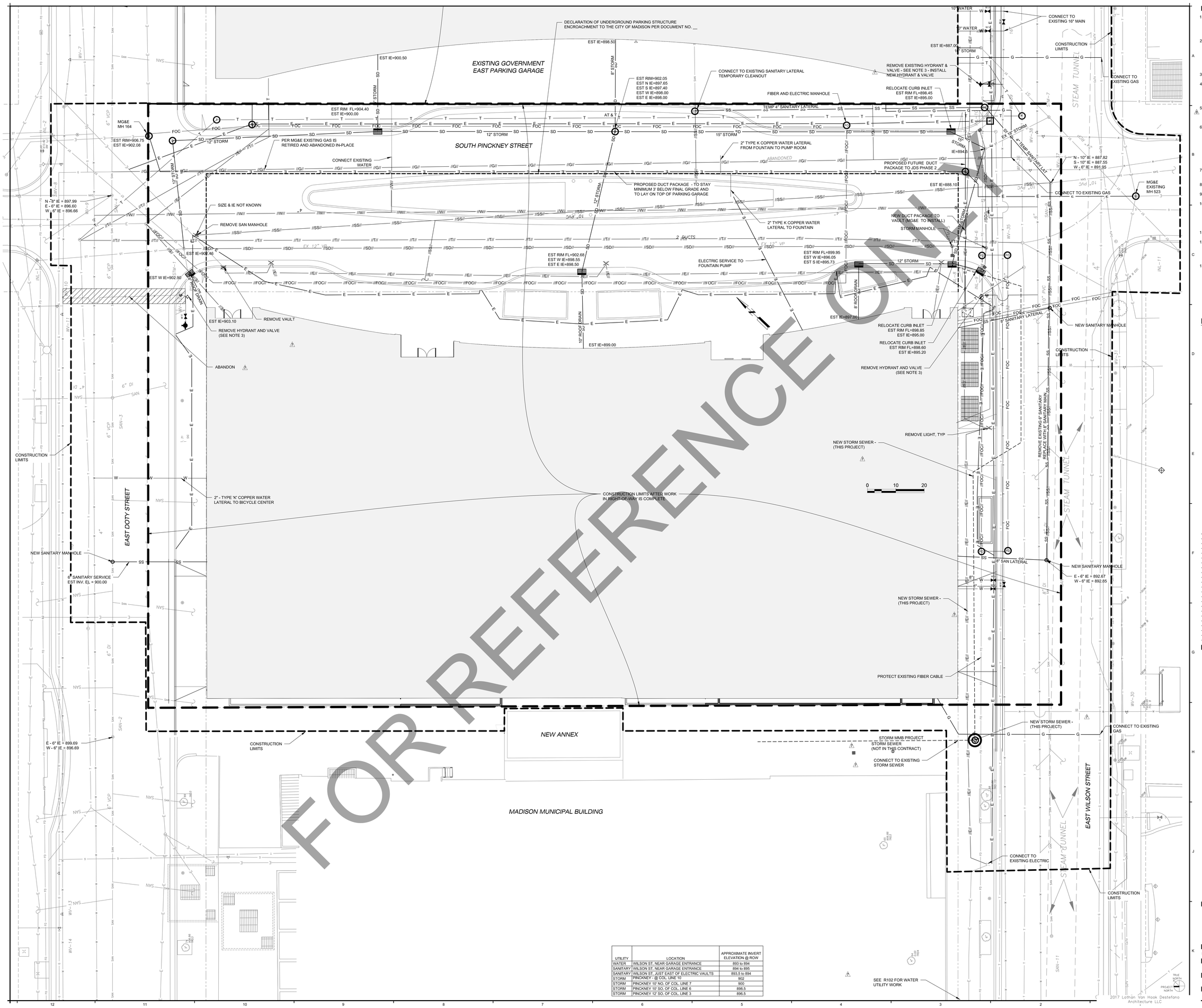
Drawing Title

BLOCK 88 SITE GRADING AND EROSION CONTROL PLAN

Drawn	Date
LGK	6/1/2017
Checked By	Drawing Number
Checker	C-121.0
Approved	
Approver	
Job Number	
215-1051	

TRUE NORTH / PROJECT NORTH

2017 Lothan Van Hook Destefano Architecture LLC



UTILITY	LOCATION	APPROXIMATE INVERT ELEVATION @ ROW
WATER	WILSON ST. NEAR GARAGE ENTRANCE	893 to 894
SANITARY	WILSON ST. NEAR GARAGE ENTRANCE	894 to 895
SANITARY	WILSON ST. JUST EAST OF ELECTRIC VAULTS	893.5 to 894
STORM	PINCKNEY - @ COL. LINE 10	902
STORM	PINCKNEY 10' NO. OF COL. LINE 7	900
STORM	PINCKNEY 10' SO. OF COL. LINE 6	898.5
STORM	PINCKNEY 12' SO. OF COL. LINE 3	896.5

FOR REFERENCE ONLY

2017 Lothan Van Hook Destefano Architecture LLC

General Notes

1. THE RIGHT-OF-WAY IS THE SOLE JURISDICTION OF THE CITY OF MADISON AND IS SUBJECT TO CHANGE AT ANY TIME PER THE RECOMMENDATION / PLAN OF THE CITY TRAFFIC ENGINEERING AND CITY PUBLIC WORKS ENGINEERING DEPARTMENTS.
2. PUBLIC UTILITIES, SIDEWALKS, CURBS, & PAVEMENTS SHOWN WITHIN THE RIGHT-OF-WAY ARE ESTIMATES, AND CITY PLAN SHEETS R-100 THROUGH R-101 SHALL BE USED FOR CONSTRUCTION. PRIVATE UTILITY WORK SHALL BE COORDINATED BY THE CONTRACTOR WITH THE CITY AND PRIVATE UTILITY TO ACCOMMODATE SERVICE AND TEMPORARY AND FINAL LOCATIONS.
3. REMOVED HYDRANTS SHALL BE SALVAGED AND DELIVERED TO THE MADISON WATER UTILITY.
4. ALL SANITARY SEWER, STORM SEWER, AND WATER SYSTEM IMPROVEMENTS SHALL MEET THE REQUIREMENTS OF THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (CURRENT EDITION).
5. THE CONTRACTOR SHALL COORDINATE THE ONSITE ROUTING OF CONDUIT FOR PHONE, FIBER, CABLE TV AS WELL AS OTHER UTILITIES. THE CITY OF MADISON WILL PAY FOR AT&T RELOCATION CHARGES.
6. AT GARAGE ENTRANCES & LOADING DOCK, THE CONCRETE SIDEWALKS & APPROACH APRONS SHALL BE 7" THICK WITH #5 BARS AT THE CENTER OF SLAB - 12" ON CENTER EACH WAY. BASE SHALL BE 4" COMPACTED CRUSHED AGGREGATE ROAD BASE MEETING CITY OF MADISON SPECIFICATIONS. OTHERWISE ALL CURBS, SIDEWALKS, & PAVEMENT SHALL MEET CITY OF MADISON PLANS (R-100 & R-101) AND CITY OF MADISON STD. SPECIFICATIONS.
7. PINCKNEY STREET SHALL REMAIN OPEN TO TRAFFIC UNTIL UTILITY & PAVING WORK IN WILSON ST. IS COMPLETE.
8. THE CONTRACTOR SHALL REPLACE ALL SIDEWALK AND CURB & GUTTER THAT ABUTS THE PROPERTY.
9. ALL WORK IN THE RIGHT-OF-WAY SHALL BE PERFORMED BY A CITY LICENSED CONTRACTOR.
10. ALL PAVEMENT DAMAGE E. DOTY ST., E. WILSON ST., S. PINCKNEY ST. THAT IS ADJACENT TO THE PROJECT SHALL BE RESTORED IN ACCORDANCE WITH THE CITY'S PATCHING CRITERIA. REFER TO HTTP://WWW.CITYOFMADISON.COM/ENGINEERING/PATCHING CRITERIA.CFM.
11. ALL SIDEWALK SHALL BE CONSTRUCTED TO PLANS APPROVED BY THE CITY.
12. THE UTILITY CONTRACTOR SHALL OBTAIN CONNECTION PERMIT AND EXCAVATION PERMIT FROM THE CITY PRIOR TO ANY UTILITY CONSTRUCTION. APPLICATION IS AVAILABLE AT CITYOFMADISON.COM/ENGINEERING/PERMITS.CFM
13. A WATER SERVICE APPLICATION FORM AND FEE SHALL BE SUBMITTED BY THE CONTRACTOR (SIGNED BY A LICENSED PLUMBER) AT LEAST 2 DAYS PRIOR TO BEGINNING WATER UTILITY WORK. A WATER METER APPLICATION FORM WILL ALSO BE REQUIRED. CONTACT MADISON WATER UTILITY AT 266-4646.

LEGEND:

- //E// — REMOVE ELECTRIC, UNDERGROUND
- //FOC// — REMOVE FIBER OPTIC CABLE
- //G// — REMOVE GAS LINE
- //SS// — REMOVE SANITARY SEWER
- //SD// — REMOVE STORM SEWER
- //T// — REMOVE TELEPHONE
- //W// — REMOVE WATER LINE
- ELECTRIC MANHOLE
- CLEANOUT, SANITARY
- ELECTRIC HANDHOLE
- FIBER OPTIC MANHOLE
- FIRE HYDRANT
- SANITARY SEWER MANHOLE
- STORM INLET, CURB
- STORM SEWER MANHOLE
- TELECOMMUNICATIONS MANHOLE
- WATER VALVE
- G — GAS
- E — ELECTRIC, UNDERGROUND
- FOC — FIBER OPTIC CABLE
- SS — SANITARY SEWER
- SD — STORM SEWER
- T — TELEPHONE, UNDERGROUND
- W — WATER

No.	Description	Date
9	BID DOCUMENTS	09/07/2017
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6	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
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JUDGE DOYLE SQUARE – BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
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ASSOCIATE ARCHITECT:
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CIVIL ENGINEERS:
Mead & Hunt

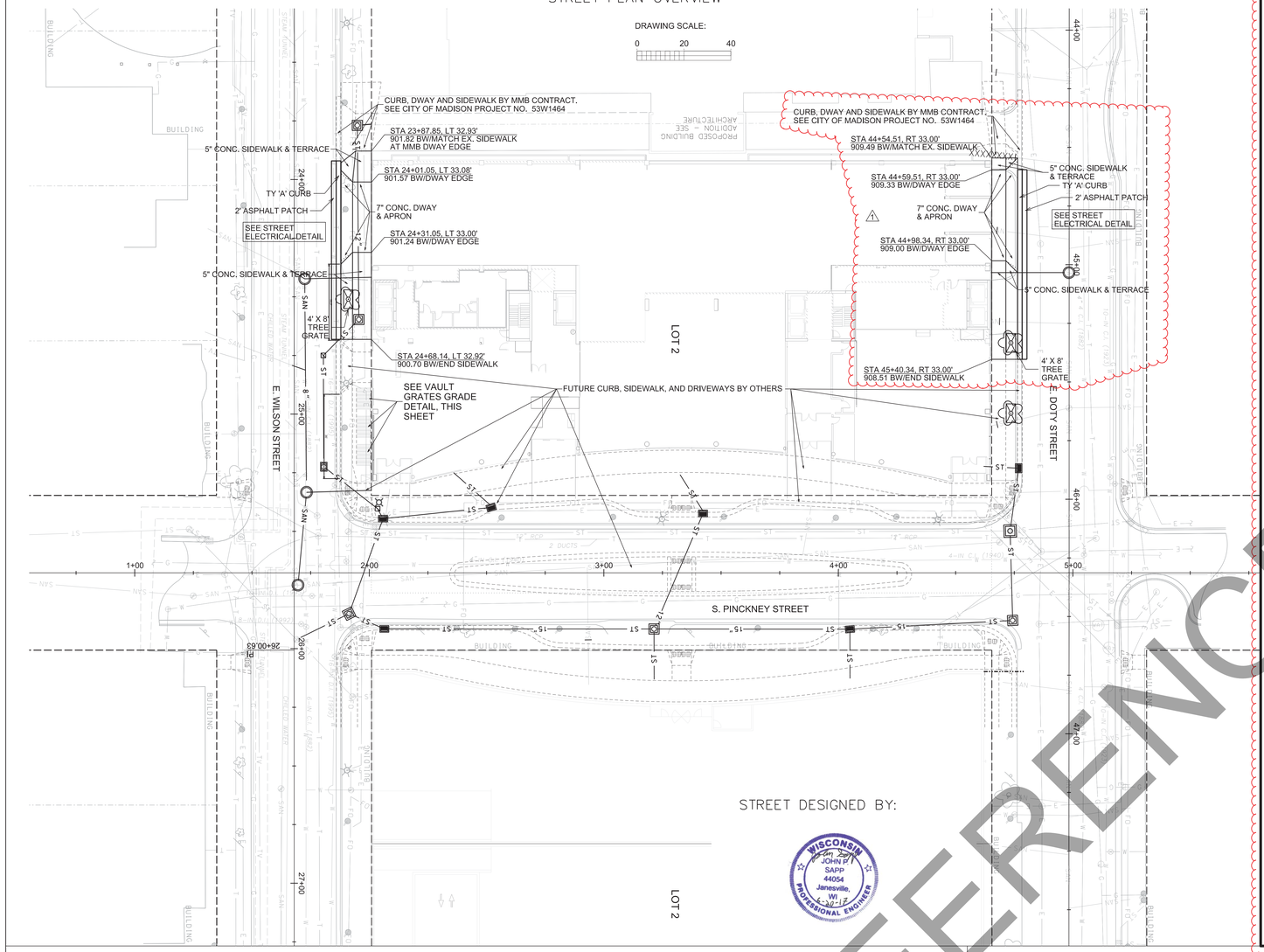
LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

BLOCK 88 SITE UTILITY PLAN

Drawn	Date
LGK	6/1/2017
Checked By	Drawing Number
Checker	C-141.0
Approved	
Approver	
Job Number	
215-1051	

STREET PLAN OVERVIEW



STREET DESIGNED BY:

WISCONSIN JOHN P. SAPP 44054 Janesville, WI PROFESSIONAL ENGINEER

STREET ELECTRICAL DETAIL

GENERAL ELECTRIC NOTES

1.ALL LOCATIONS ARE APPROXIMATE. THE TRAFFIC ENGINEER SHALL APPROVE FINAL LOCATIONS, INCLUDING SETBACK, IN THE FIELD. THE CONTRACTOR SHALL NOTIFY GRETCHEN AVILES (266-4899) CITY TRAFFIC ENGINEERING, AT LEAST 24-HOURS IN ADVANCE OF NEEDING BASE LOCATION MARKED.

2.BASES INSTALLED IN TERRACE SHALL BE 4' FROM FACE OF CURB UNLESS OTHERWISE NOTED. SUBJECT TO NOTE 1 ABOVE.

3.THE CONTRACTOR SHALL DO ALL WORK IN ACCORDANCE WITH "CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 2017 EDITION" AND ALL ADDENDUMS THERETO. ALL CONDUITS SHALL BE PVC, SCHEDULE 80 UNDER PAVEMENT OR SCHEDULE 40 OTHERWISE. PULL WIRE REQUIRED AS PER STANDARD SPECIFICATIONS.

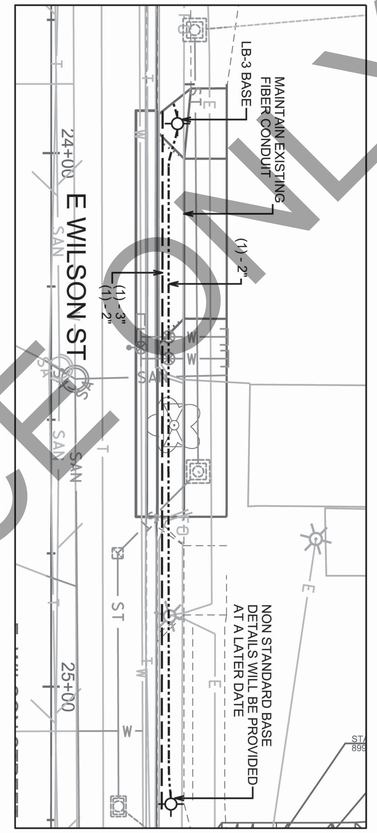
4.THE CONTRACTOR SHALL CALL TROY VANT (395-1975) AT THE TRAFFIC ENGINEERING SHOP AT LEAST 24-HOURS IN ADVANCE OF POURING BASES OR BURYING CONDUIT TO ARRANGE FOR INSPECTION. ANY WORK COMPLETED WITHOUT INSPECTION IS SUBJECT TO REJECTION.

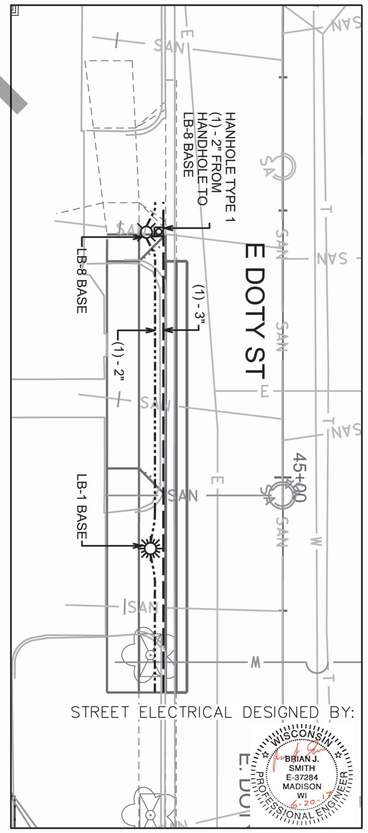
5.CONNECT CONDUITS TO EXISTING OR STUB, IF NO CONDUITS EXISTING, AT PROJECT LIMITS AS PER THE "DUCT TERMINATION" STANDARD DETAIL DRAWING 6.03.

6.THE CONTRACTOR SHALL ARRANGE FOR PICKUP OF THE FOLLOWING CITY FURNISHED MATERIALS, WHICH SHOULD BE ARRANGED FOR PICKUP BY CALLING DENNIS ROWE, TRAFFIC ENGINEERING SHOP, 266-9034, 1120 SAYLE ST, AT LEAST 24-HOURS PRIOR TO NEEDING MATERIALS:

3/4"X24"	ANCHOR BOLTS: 1 SET OF 4 FOR LB-1 BASE
1" x 40"	ANCHOR BOLTS: 1 SET OF 4 FOR LB-3 BASES
1-1/4"X48"	ANCHOR BOLTS: 1 SET OF 4 FOR LB-8 BASES

DETAIL SCALE: 0 10 20

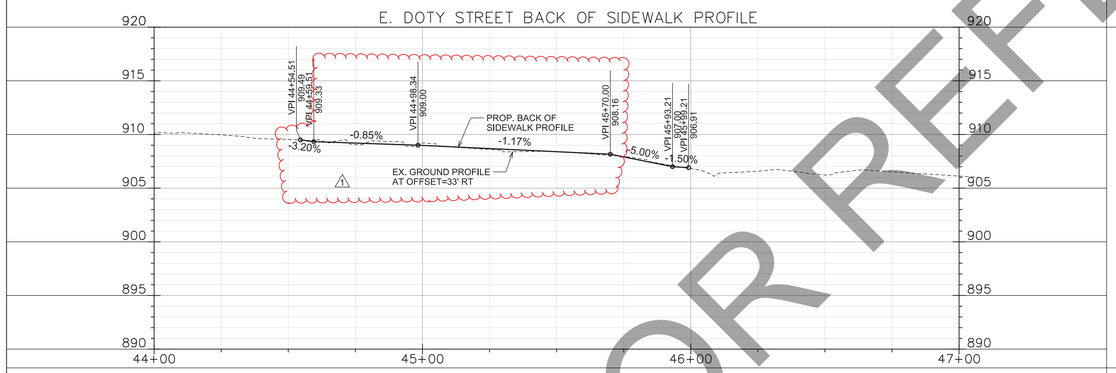




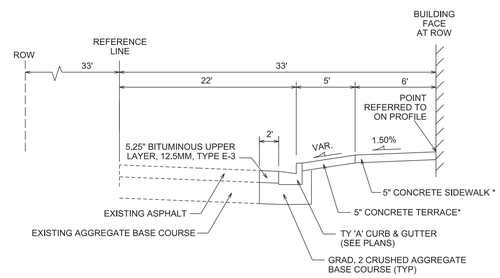
STREET ELECTRICAL DESIGNED BY:

WISCONSIN BRIAN J. SMITH E-37284 MADISON WI PROFESSIONAL ENGINEER

E. DOTY STREET BACK OF SIDEWALK PROFILE



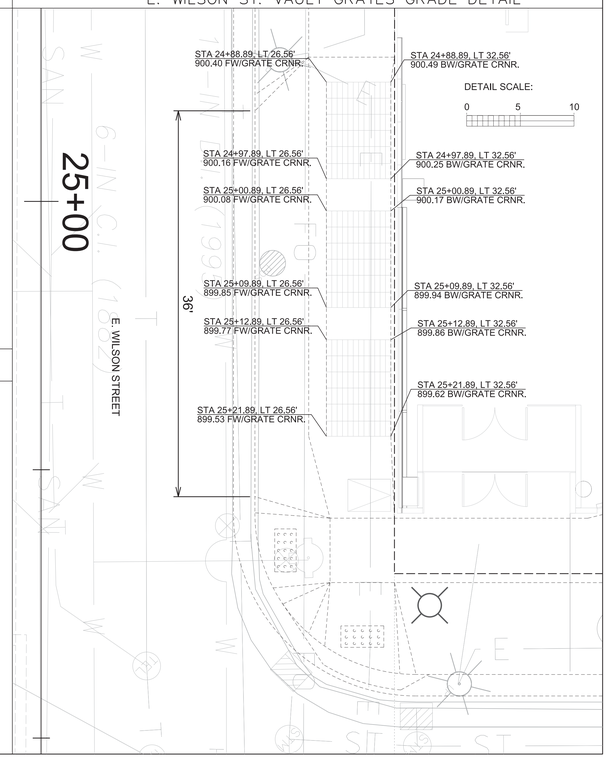
E. DOTY STREET TYPICAL SECTION



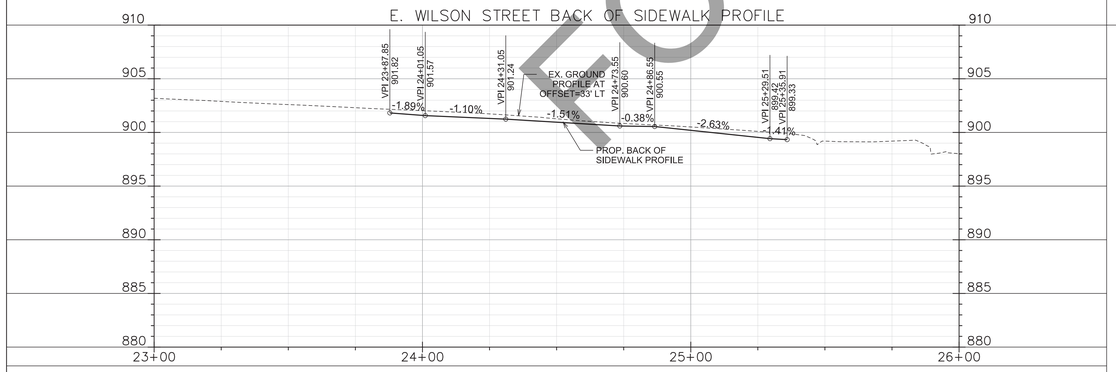
NOT TO SCALE

* EXCEPT WHERE SPECIFIED AS 7" ON PLAN

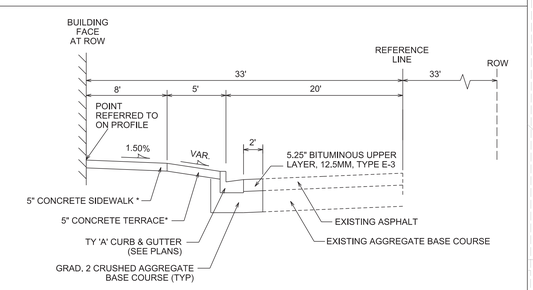
E. WILSON ST. VAULT GRATES GRADE DETAIL



E. WILSON STREET BACK OF SIDEWALK PROFILE



E. WILSON STREET TYPICAL SECTION



NOT TO SCALE

* EXCEPT WHERE SPECIFIED AS 7" ON PLAN

CITY OF MADISON ENGINEERING

JUDGE DOYLE SQUARE - BLOCK 88

210 S. Pinckney St.
Madison, WI, 53703

PROJECT NUMBER	11471
CONTRACT NUMBER	7952

ISSUED FOR:

FINAL BID	6/23/2017
STATE BUILDING PERMIT	7/14/2017

REVISION FOR:

NO.	DESCRIPTION	DATE
1	BULLETIN #2	12/07/2017

DRAWN BY KDF

CHECKED BY -----

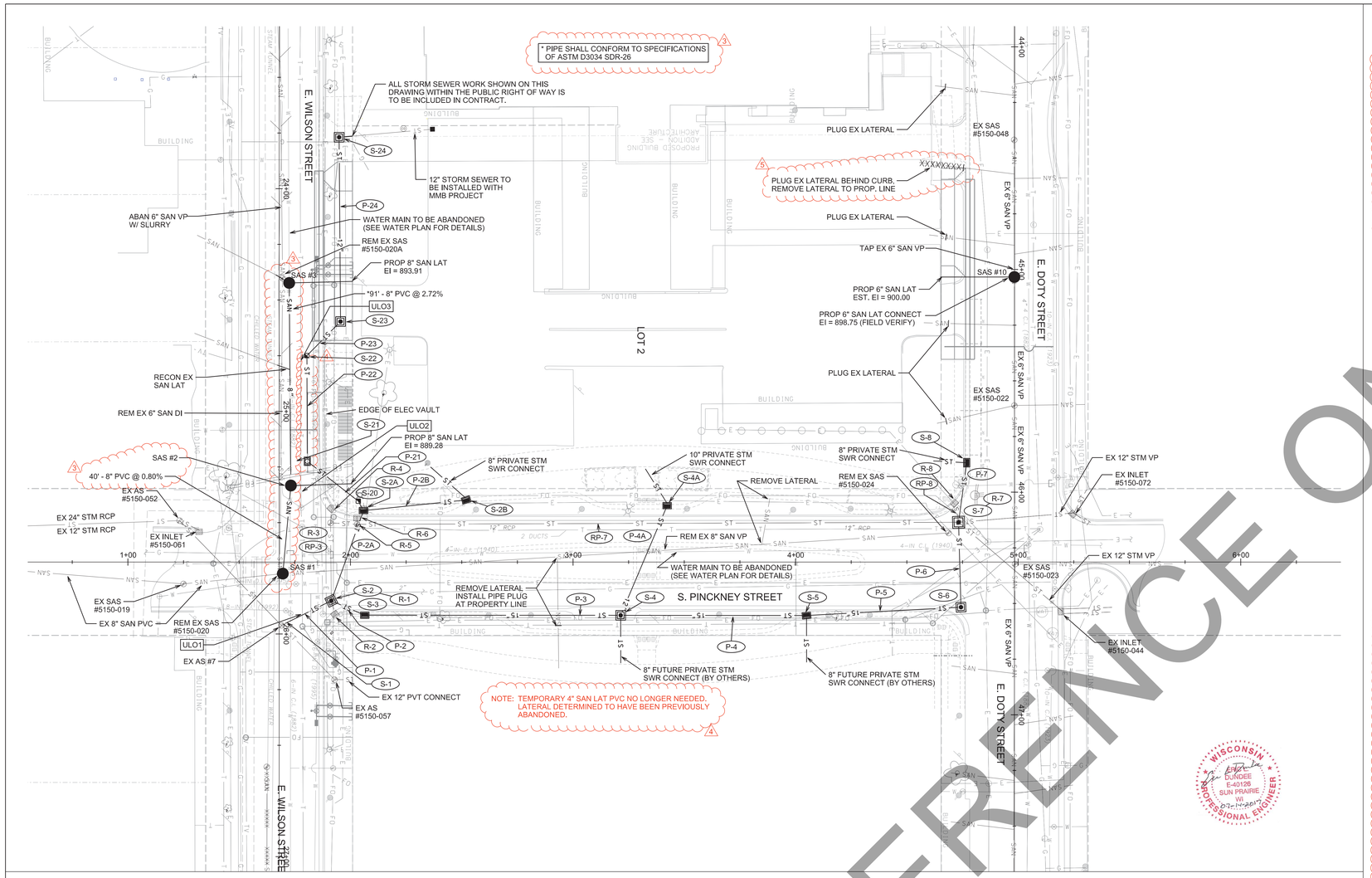
DRAWING SCALE: SEE PLAN OVERVIEW & DETAILS

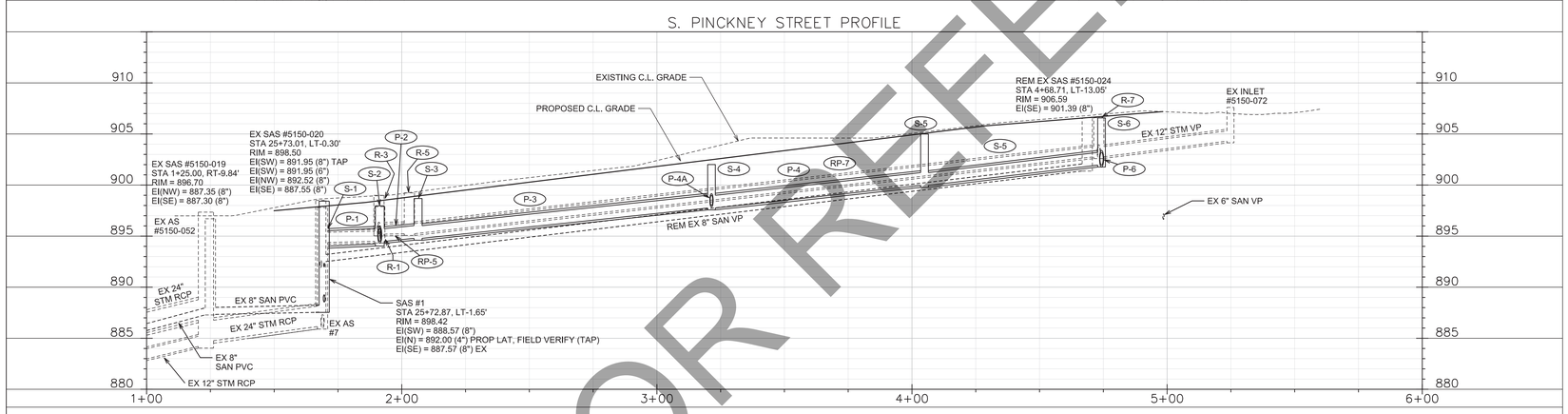
NORTH:

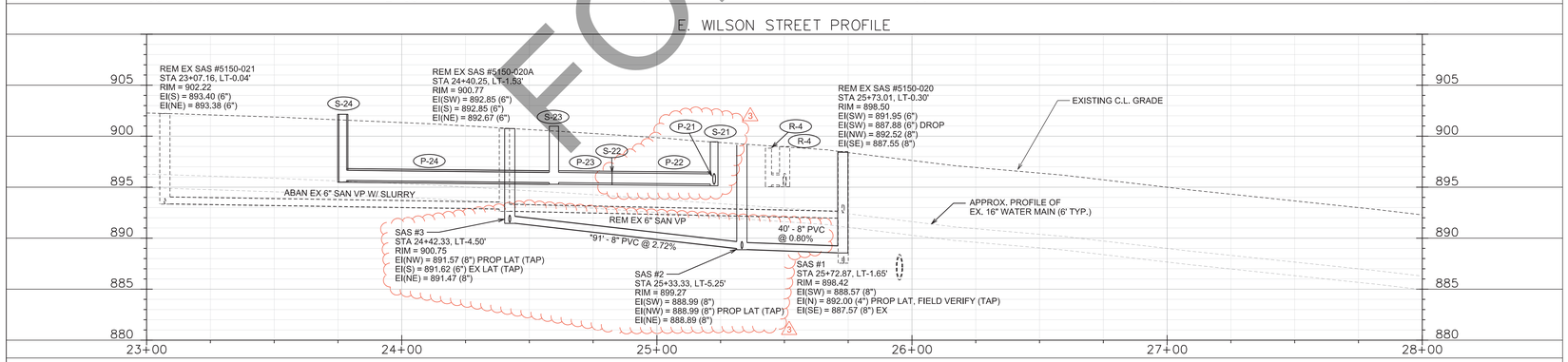
DRAWING TITLE: C.O.M. STREET PLAN

DRAWING NUMBER: **R100**

FOR REFERENCE ONLY







SANITARY SEWER SCHEDULE

PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.L	DEPTH	NOTES
E. WILSON STREET						
SAS #1	25+72.87	LT-1.65	898.42	887.57	10.85	-
SAS #2	25+33.33	LT-5.25	899.27	888.89	10.38	-
SAS #3	24+42.33	LT-4.50	900.78	891.47	9.31	-
E. DOTY STREET						
SAS #10	45+03.38	RT-0.11	909.17	898.65	10.52	-

PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM	UPSTRM	PLAN (PAY) LGTH (FT	SLOPE (%)	PIPE SIZE	PVC TYPE	NOTES
E. WILSON STREET								
SAS #1	SAS #2	888.57	888.89	40	0.80%	8"	SDR-35	-
SAS #2	SAS #3	888.99	891.47	91	2.72%	8"	SDR-26	-

REMOVE SANITARY STRUCTURES

STRUC. ID NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.L	DEPTH	NOTES
S. PINCKNEY STREET						
5150-024	4+68.71	LT-13.05	906.59	901.39	5.20	-
E. WILSON STREET						
5150-020	25+73.01	LT-0.30	898.50	887.55	10.95	-
5150-020A	24+40.25	LT-1.53	900.77	892.67	8.10	-
5150-021	23+07.16	LT-0.04	902.22	893.38	8.84	-

REMOVE SANITARY PIPES

REMOVE FROM	REMOVE TO	LGTH (FT)	PIPE SIZE	PIPE TYPE	PAID (Y/N)	NOTES
S. PINCKNEY STREET						
EX SAS #5150-020	EX SAS #5150-024	301	10"	VP	N	-
E. WILSON STREET						
EX SAS #5150-020	EX SAS #5150-020A	132	6"	VP	N	-

SANITARY SEWER ABANDONMENTS

FROM (DNSTM)	TO (UPSTM)	LGTH (FT)	PIPE SIZE	NOTES
E. WILSON STREET				
SAS 5150-020A	SAS 5150-021	129	6"	W/ SLURRY

STORM SEWER SCHEDULE

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.L	DEPTH	NOTES
S. PINCKNEY STREET							
S-1	1+68.97	RT-28.44	TAP	-	894.02	-	-
S-2	1+91.39	RT-17.40	3X3 SAS	897.96	894.24	3.72	W/R-1550-0054
S-2A	2+05.87	LT-25.10	3X6 SAS	898.87	894.99	3.88	LP, W/R-3067-7004-VB
S-2B	2+51.98	LT-27.87	H INLET	900.19	895.67	4.52	W/R-3067-7004-VB
S-3	2+06.41	RT-23.90	H INLET	898.68	894.78	3.90	W/R-3067-7004-VB
S-4	3+21.41	RT-23.93	H INLET	902.01	897.75	4.26	W/R-3067-7004-VB
S-4A	3+42.30	LT-25.32	H INLET	903.03	898.51	4.52	W/R-3067-7004-VB
S-5	4+04.91	RT-24.03	H INLET	904.99	899.96	5.03	W/R-3067-7004-VB
S-6	4+74.31	RT-20.28	3X3 SAS	906.57	901.95	4.62	W/R-1550-0054
S-7	4+73.23	LT-17.85	4X4 SAS	906.72	902.52	4.20	W/R-1550-0054
S-8	4+76.87	LT-44.60	H INLET	907.51	904.03	3.48	W/R-3067-7004-VB
E. WILSON STREET							
S-20	25+40.36	LT-35.60	BEND	-	895.25	-	-
S-21	25+22.45	LT-5.23	3X3 SAS	899.45	895.31	4.14	W/R-1550-0054
S-22	24+82.45	LT-5.10	BEND	-	895.39	-	-
S-23	24+59.67	LT-27.58	3X3 SAS	900.99	895.45	5.54	W/R-1550-0054
S-24	23+76.91	LT-26.92	3X3 SAS	902.15	895.66	6.49	W/R-1550-0054

PROPOSED STORM PIPES

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	DISCH. E.L	INLET E.L	PLAN (PAY) LGTH (FT)	PIPE LGTH (FT)	SLOPE (%)	PIPE SIZE	TYPE	NOTES
S. PINCKNEY STREET										
P-1	S-1	S-2	894.02	894.24	25	21.5	1.00%	18"	TYPE I	-
P-2A	S-2	S-2A	894.49	894.99	43	39.9	1.25%	15"	TYPE I	-
P-2B	S-2A	S-2B	895.24	895.67	46	43.1	1.00%	12"	TYPE I	-
P-2	S-2	S-3	894.49	894.78	16.5	12.8	2.25%	15"	TYPE I	-
P-3	S-3	S-4	894.78	897.75	115	112.0	2.65%	15"	TYPE I	-
P-4A	S-4	S-4A	898.00	898.51	53.5	50.8	1.00%	12"	TYPE I	-
P-4	S-4	S-5	897.75	899.96	83.5	80.5	2.75%	15"	TYPE I	-
P-5	S-5	S-6	899.96	901.95	69.5	66.5	3.00%	15"	TYPE I	-
P-6	S-6	S-7	901.95	902.52	38	34.6	1.65%	15"	TYPE I	-
P-7	S-7	S-8	902.77	904.03	27	24.0	5.25%	12"	TYPE I	-
E. WILSON STREET										
P-20	S-2A	S-20	895.24	895.25	5	3.6	0.18%	12"	PVC C900	-
P-21	S-20	S-21	895.25	895.31	35.5	33.5	0.19%	12"	PVC C900	-
P-22	S-21	S-22	895.31	895.39	40	38.5	0.22%	12"	TYPE I	-
P-23	S-22	S-23	895.39	895.45	32	29.9	0.18%	12"	TYPE I	-
P-24	S-23	S-24	895.45	895.66	83	79.8	0.26%	12"	TYPE I	-

REMOVE STORM STRUCTURES

STRUC. NO.	ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
S. PINCKNEY STREET					
R-1	EX AS #4	1+91.40	RT-17.40	SAS	-
R-2	EX IN #5150-058	1+92.95	RT-23.50	INLET	-
R-3	EX AS #6	1+91.06	LT-17.50	SAS	-
R-4	EX IN #5150-059	1+91.25	LT-24.00	INLET	-
R-5	EX AS #5	2+03.00	LT-17.00	SAS	-
R-6	EX IN #5150-060	2+03.00	LT-20.00	INLET	-
R-7	EX AS #5150-074	4+73.25	LT-17.85	SAS	-
R-8	EX IN #5150-041	4+71.40	LT-26.50	INLET	-

REMOVE STORM PIPES

REMOVE NO.	REMOVE FROM	REMOVE TO	LGTH (FT)	PIPE SIZE	PIPE TYPE	PAID (Y/N)	NOTES
S. PINCKNEY STREET							
RP-1	S-1	R-1	21	12"	RCP	N	-
RP-2	R-1	R-2	3	12"	RCP	N	-
RP-3	R-1	R-3	32	12"	RCP	Y	-
RP-4	R-3	R-4	3	12"	RCP	Y	-
RP-5	R-3	R-5	8	12"	RCP	Y	-
RP-6	R-5	R-6	2	12"	RCP	N	-
RP-7	R-5	R-7	268	12"	RCP	Y	-
RP-8	R-7	R-8	8	12"	RCP	N	-

STORM SEWER ULOs

ULO NO.	STATION	LOCATION (OFFSET)	TYPE	TOP ELEV	BOTTOM ELEV	NOTES
E. WILSON STREET						
ULO1	25+90.37	LT-10.30	STORM SEWER	894.91	-	RCP STORM SEWER
ULO1	25+90.61	LT-11.40	TELE DUCT	893.29	892.35	RIGHT EDGE
ULO1	25+91.29	LT-11.38	TELE DUCT	892.90	891.42	RIGHT EDGE
ULO1	25+90.81	LT-12.65	MUFN FIBER	895.88	-	4" PVC, [1]
ULO1	25+90.14	LT-12.96	TELE DUCT	893.46	892.58	LEFT EDGE
ULO1	25+89.47	LT-12.92	TELE DUCT	893.01	892.14	LEFT EDGE
ULO1	25+89.89	LT-56.47	GAS	895.50	-	2" PLASTIC, [2]
ULO1	25+88.61	LT-126.54	SANITARY	896.81	-	6" CLAY
ULO2	25+36.57	LT-10.32	TELE DUCT	894.98	-	LEFT EDGE
ULO3	24+79.45	LT-10.55	TELE DUCT	897.06	-	LEFT EDGE
ULO4	25+06.85	LT-1.44	CONCRETE	897.16	-	LEFT EDGE OF DUCT
ULO4	25+09.10	LT-2.70	WATER	894.22	-	2" COPPER
ULO4	25+09.46	LT-4.38	WATER	894.37	-	2" COPPER
ULO4	25+09.49	LT-5.23	WATER	894.17	-	2" COPPER AT BEND
ULO4	25+09.49	LT-5.55	WATER	894.06	-	6" CAST IRON
ULO4	25+07.51	LT-10.17	TELE DUCT	896.32	895.18	LEFT EDGE
ULO4	25+07.47	LT-15.74	WATER	893.31	-	8" CAST IRON
ULO4	25+07.55	LT-18.52	FIBER OPTIC	896.42	-	2" FIBER OPTIC LINE
ULO5	25+23.95	LT-8.02	TELE DUCT	895.78	-	TOP RIGHT EDGE
ULO5	25+24.03	LT-9.73	TELE DUCT	895.69	-	TOP LEFT EDGE
ULO5	25+25.82	LT-7.99	TELE DUCT	895.68	894.48	TOP RIGHT EDGE
ULO5	25+29.94	LT-7.92	TELE DUCT	895.45	-	TOP RIGHT EDGE
ULO5	25+29.28	LT-9.46	TELE DUCT	895.47	-	TOP LEFT EDGE
ULO5	25+33.31	LT-7.83	TELE DUCT	895.46	-	TOP RIGHT EDGE
ULO5	25+32.32	LT-9.57	TELE DUCT	895.40	-	TOP LEFT EDGE

*5 ADDITIONAL UNDISTRIBUTED ULO'S INCLUDED

SPECIFIC NOTES

[1] UTILITY CONFLICT - CONTRACTOR SHALL COORDINATE RELOCATION OF CONDUIT WITH MICHAEL BENZSCHAWEL AT CITY TRAFFIC ENGINEERING
[2] UTILITY CONFLICT - CONTRACTOR SHALL COORDINATE RELOCATION OF GAS SERVICE WITH MG&E

CITY OF MADISON ENGINEERING

JUDGE DOYLE SQUARE - BLOCK 88

210 S. PINCKNEY ST.
Madison, WI, 53703

PROJECT NUMBER	11471
CONTRACT NUMBER	7952

ISSUED FOR:

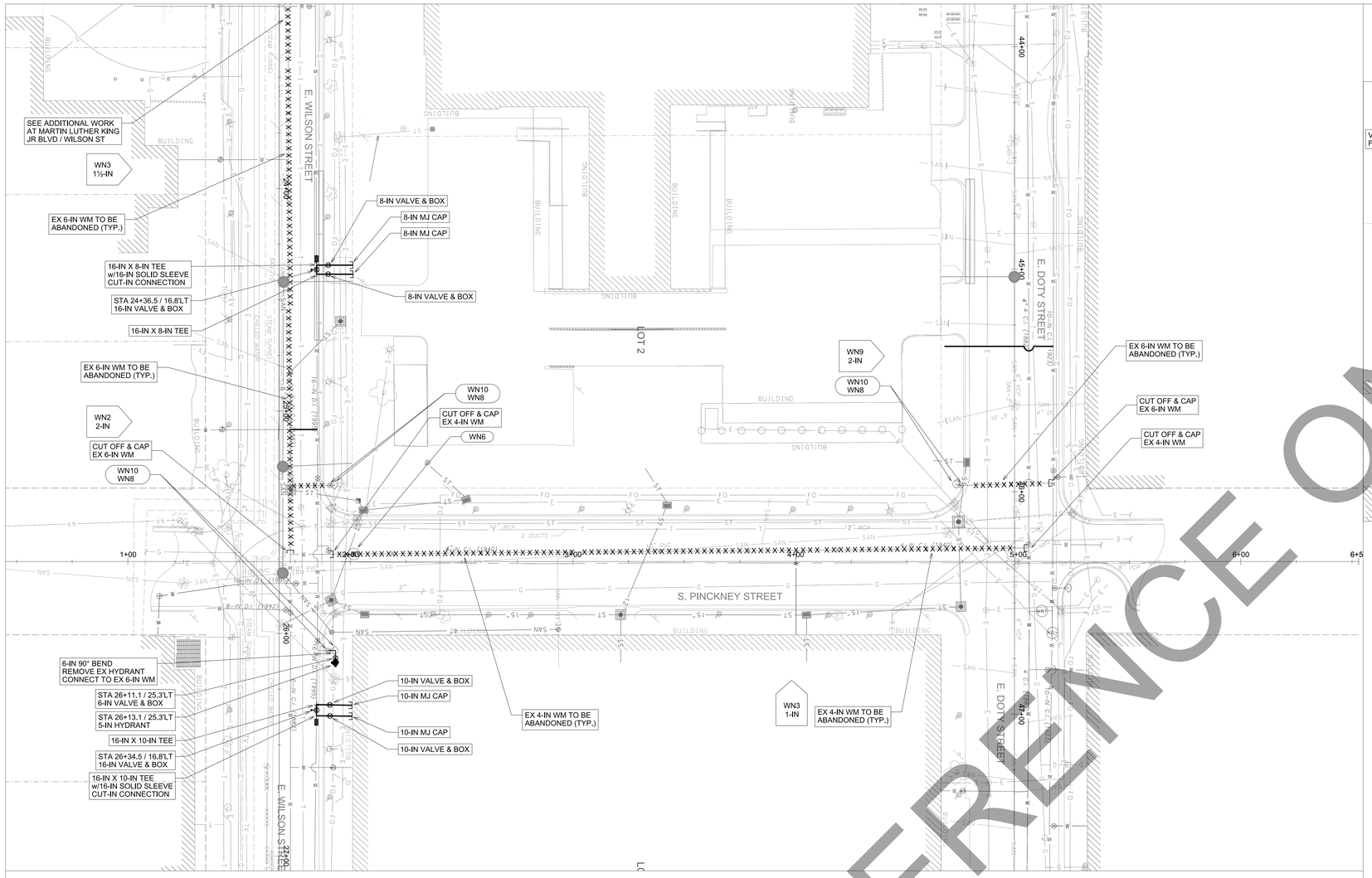
FINAL BID	6/23/2017
STATE BUILDING PERMIT	7/14/2017

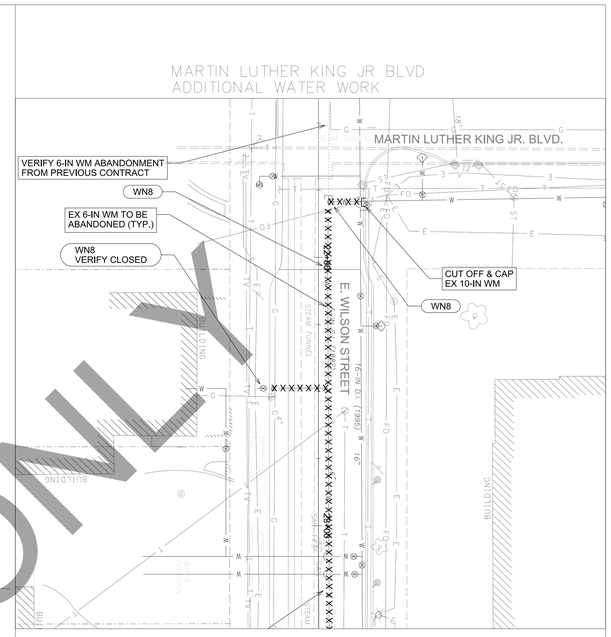
REVISION FOR:

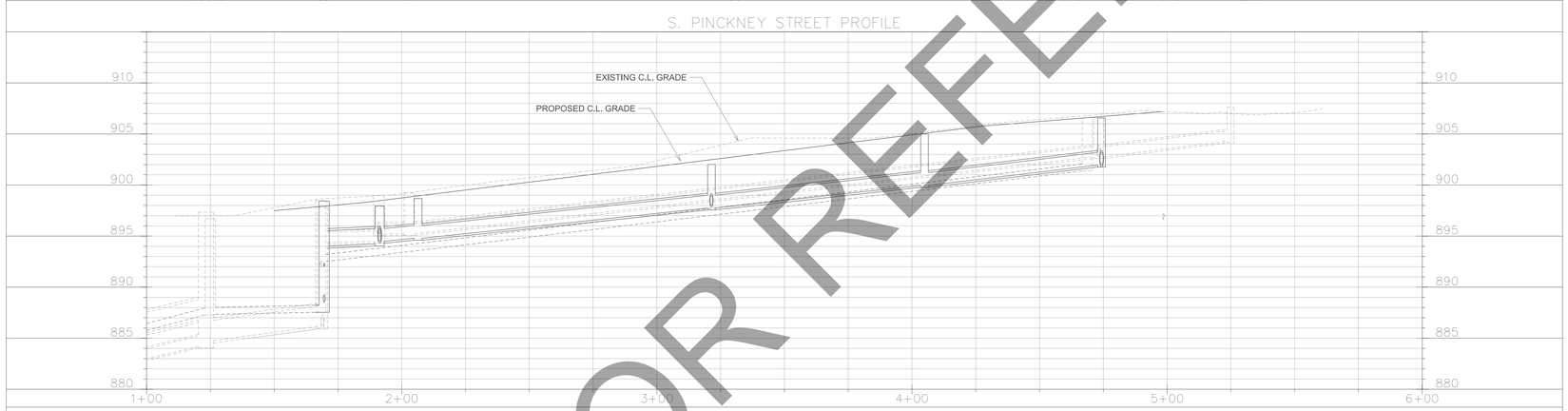
NO.	DESCRIPTION	DATE
1	ADDENDUM TO BID SET	7/14/2017
2	SANITARY SEWER	10/12/2017
3	SANITARY AND STORM SEWER	10/19/2017
4	STORM SEWER	10/26/2017
5	SANITARY LATERAL	12/7/2017

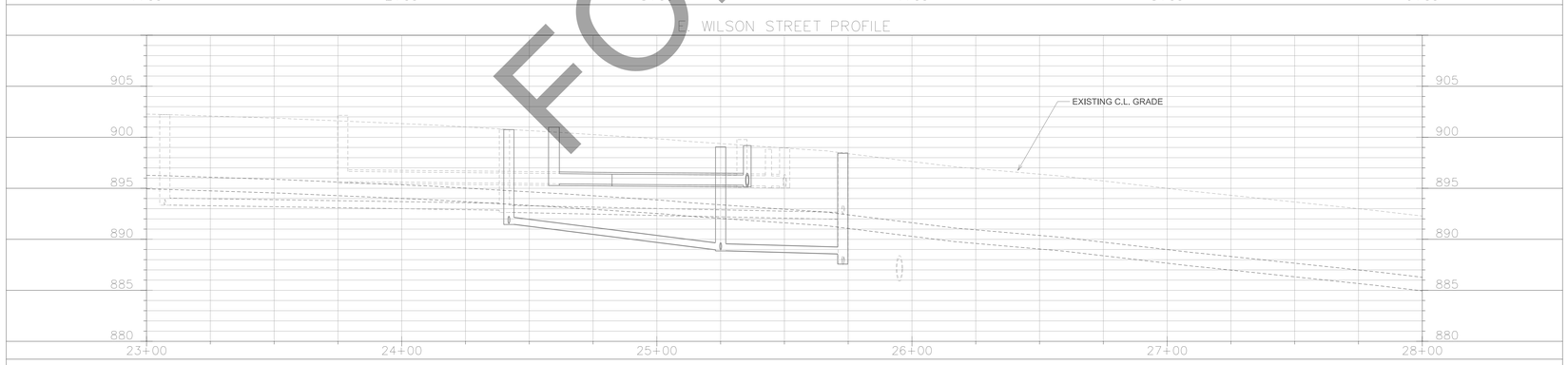
DRAWN BY KDF
CHECKED BY -----
DRAWING SCALE: 0 20 40
NORTH:
DRAWING TITLE: C.O.M. UTILITY PLAN
DRAWING NUMBER: R101

FOR REFERENCE ONLY









FOR REFERENCE ONLY

CONSTRUCTION NOTES:

1. CONSTRUCT NEW WATER MAIN 6.0' BELOW FINISHED GRADE, UNLESS OTHERWISE NOTED. INSULATE MAIN WITH POLYSTYRENE BOARD AT UTILITY CROSSINGS OR OTHER AREAS IDENTIFIED BY ENGINEER AS HAVING INADEQUATE COVER.
2. VERIFY SIZE OF EXISTING WATER SERVICES AND RECONNECT SERVICES AS INDICATED.
3. MINIMIZE DISRUPTION OF SERVICE TO EXISTING CUSTOMERS. NOTIFY PER CONTRACT REQUIREMENTS OF ANY PLANNED WATER OUTAGE.
4. THE EXISTING UTILITIES SHOWN ON THIS PLAN REPRESENT THE BEST INFORMATION AVAILABLE TO THE WATER UTILITY AT THE TIME OF PLAN PREPARATION. CONTRACTOR IS RESPONSIBLE FOR HAVING EACH UTILITY LOCATED PRIOR TO COMMENCING WORK.

WN1 REPLACE THE EXISTING LEAD SERVICE WITH A NEW COPPER SERVICE.

WN2 EXTEND AND RECONNECT THE EXISTING COPPER SERVICE TO THE 16-INCH WATER MAIN.

WN3 EXISTING SERVICE TO BE ABANDONED WHEN THE WATER MAIN IS CUT OFF.

WN4 DISCONNECT FROM THE OLD WATER MAIN AND RECONNECT THE EXISTING COPPER WATER SERVICE LATERAL TO THE NEW WATER MAIN.

WN5 RELOCATE THE EXISTING FIRE HYDRANT.

WN6 ABANDON WATER VALVE ACCESS STRUCTURE.

WN7 FURNISH AND INSTALL THE NEW TOP SECTION FOR THE WATER ACCESS STRUCTURE.

WN8 ABANDON THE VALVE BOX.

WN9 FURNISH THE DITCH, COMPACTION, AND ALL MATERIALS AND LABOR FOR THE INSTALLATION OF NEW SERVICE LATERAL.

WN10 REMOVE AND SALVAGE EXISTING HYDRANT

WN11 REPLACE THE EXISTING COPPER SERVICE WITH A COPPER SERVICE

TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

CALL DIGGERS HOTLINE
TOLL FREE
811 OR 1-800-242-8511
FAX-A-LOCATE 1-800-338-3860
TDD (FOR HEARING IMPAIRED) 1-800-542-2289

WIS. STATUTE 182.0175 (1974) REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE.

MEMBER ONE CALL SYSTEMS INTERNATIONAL

DISCLAIMER NOTE:
UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING WORK.

CITY OF MADISON ENGINEERING

JUDGE DOYLE SQUARE - BLOCK 88

210 S. PINCKNEY ST.
Madison, WI, 53703

PROJECT NUMBER 11471
CONTRACT NUMBER 7952

ISSUED FOR:
FINAL BID 6/23/2017

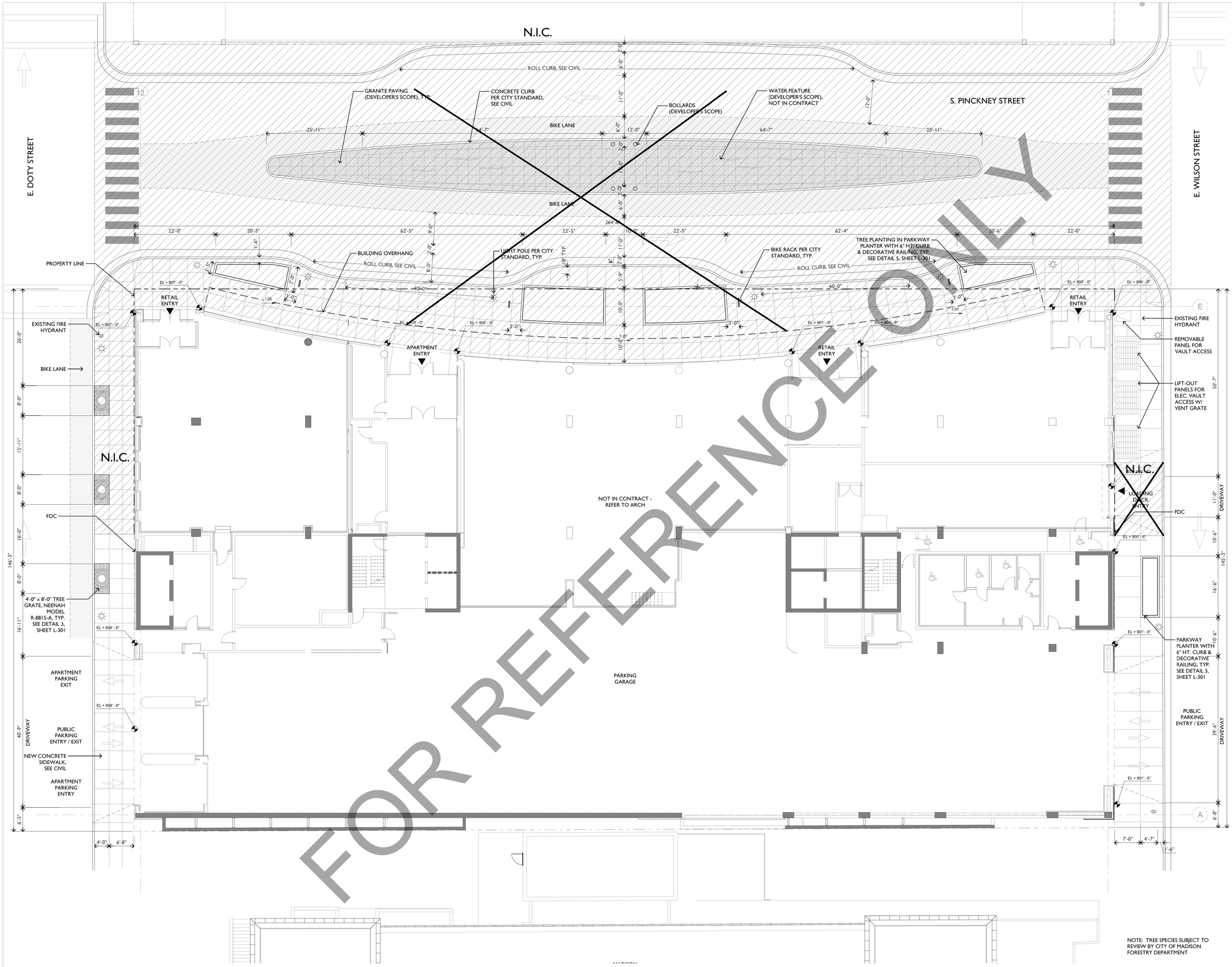
REVISION FOR:
NO. DESCRIPTION DATE

DRAWN BY PEH
CHECKED BY -----

DRAWING SCALE: 0 20 40
NORTH:

DRAWING TITLE:
C.O.M. WATER UTILITY PLAN

DRAWING NUMBER:
R102



FOR REFERENCE ONLY

NOTE: TREE SPECIES SUBJECT TO REVIEW BY CITY OF MADISON FORESTRY DEPARTMENT

BLOCK 88 HARDSCAPE PLAN

SCALE: 1/8"=1'-0"

0 4' 8' 16'

NORTH

TRUE NORTH

PROJECT NORTH

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General Notes

NOTE: AVERAGE ELEVATION FOR BUILDING HEIGHT = 903'-6"

WISCONSIN TED WOLFF 454-014 CHICAGO LANDSCAPE ARCHITECT

No.	Description	Date
6	BID DOCUMENTS	09/07/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017
1	ISSUED FOR SCHEMATIC DESIGN	02/03/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS
MADISON | ENGAGE | ST. LOUIS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS
A MSP · PARSONS BRINCKERHOFF COMPANY

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

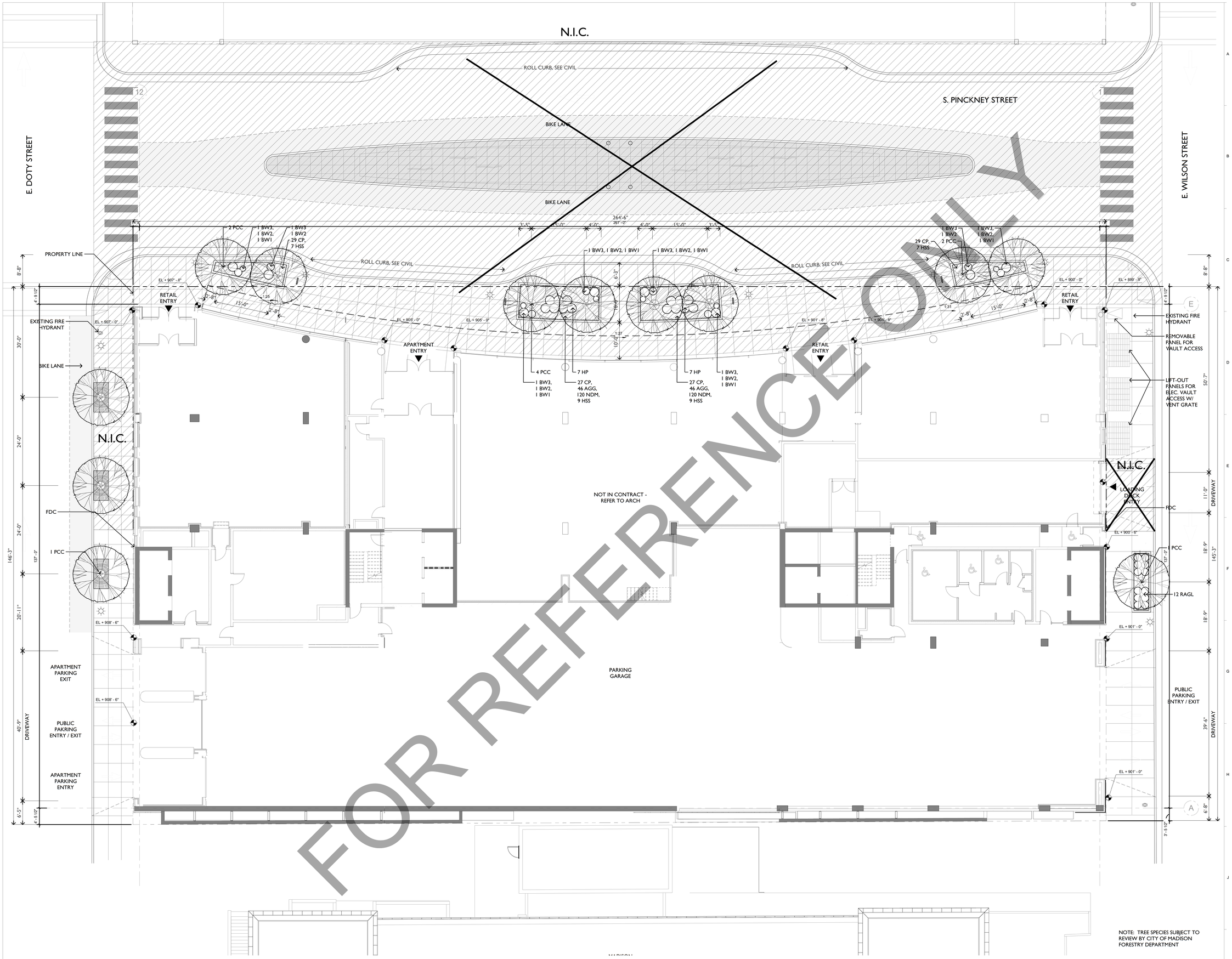
LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

GROUND FLOOR HARDSCAPE PLAN

Drawn	Date
Author	
Checked By	Drawing Number
Checker	
Approved	
Approver	
Job Number	
215-1051	

L-101



FOR REFERENCE ONLY

NOTE: TREE SPECIES SUBJECT TO REVIEW BY CITY OF MADISON FORESTRY DEPARTMENT

BLOCK 88 LANDSCAPE PLAN

SCALE: 1/8"=1'-0"

0 4' 8' 16'

NORTH

TRUE NORTH

PROJECT NORTH

© 2017 Lothan Van Hook Destefano Architecture LLC

General Notes

NOTE: AVERAGE ELEVATION FOR BUILDING HEIGHT = 903'-6"

WISCONSIN TED WOLFF 434-010 CHICAGO, IL LANDSCAPE ARCHITECT

No.	Description	Date
6	BID DOCUMENTS	09/07/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017
1	ISSUED FOR SCHEMATIC DESIGN	02/03/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

GROUND FLOOR LANDSCAPE PLAN

Drawn	Date
Author	
Checked By	Drawing Number
Checker	
Approved	
Approver	
Job Number	
215-1051	

L-201

	CODE	BOTANICAL NAME	COMMON NAME	QTY	CAL	HT	SPRD	ROOT	REMARKS
POTENTIAL SHADE TREES	PCC	PYRUS CALLERYANA 'CHANTICLEER'	CHANTICLEER CALLERY PEAR	X	4"	-	-	B&B	SINGLE STRAIGHT TRUNK, SPECIMEN QUALITY
				(2) IN CONTRACT					
SHRUBS	~~BWG~~	~~BUXUS MICROPHYLLA 'WINTERGREEN'~~	~~WINTERGREEN BOXWOOD~~	~~6~~			~~30"~~	~~B&B~~	~~GLOBE FORM~~
	~~BWG~~	~~BUXUS MICROPHYLLA 'WINTERGREEN'~~	~~WINTERGREEN BOXWOOD~~	~~5~~			~~24"~~	~~B&B~~	~~GLOBE FORM~~
	~~BWL~~	~~BUXUS MICROPHYLLA 'WINTERGREEN'~~	~~WINTERGREEN BOXWOOD~~	~~1~~			~~18"~~	~~B&B~~	~~GLOBE FORM~~
	~~HP~~	~~HYDRANGEA PANICULATA 'JANE'~~	~~LITTLE LIME HYDRANGEA~~	~~11~~		~~30"~~		~~#5~~	~~3'-0" ON CENTER~~
	RAGL	RHUS AROMATICA 'GRO-LOW'	GRO-LOW FRAGRANT SUMAC	6	-	-	24"	#5	3'-0" ON CENTER
ORN. GRASSES	~~CP~~	~~CAREX PENNSYLVANICA~~	~~PENNSYLVANIA SEDGE~~	~~113~~				~~#1~~	~~1'-6" ON CENTER~~
PERENNIALS	~~HSS~~	~~HOSTA 'SUM AND SUBSTANCE'~~	~~SUM AND SUBSTANCE HOSTA~~	~~24~~				~~#2~~	~~2'-0" ON CENTER; NATURALISTIC DRIFTS THOUGHOUT CP~~
BULBS	~~ACG~~	~~ALLIUM GIGANTEUM 'GLOBEMASTER'~~	~~ORNAMENTAL ONION~~	~~82~~				~~BULB~~	~~1'-0" ON CENTER; NATURALISTIC DRIFTS THOUGHOUT CP~~
	~~NDM~~	~~NARCISSUS 'DUTCH MASTER'~~	~~DAFFODIL~~	~~240~~				~~BULB~~	~~8" ON CENTER; NATURALISTIC DRIFTS, THOUGHOUT CP~~

N.I.C.

N.I.C.

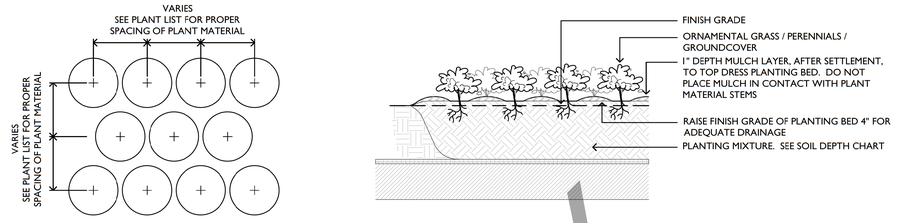
N.I.C.

N.I.C.

N.I.C.

1 PLANT PALETTE

NOTE: QUANTITIES ON THE PLANT LIST ARE PROVIDED FOR INFORMATION ONLY. PLANT QUANTITIES UNDER THE CONTRACT ARE INDICATED ON THE PLANS. IN THE EVENT OF ANY DISCREPANCIES, THE CONTRACT SHALL BE BASED ON THE QUANTITIES SHOWN ON THE PLANS.



1 ORNAMENTAL GRASS PERENNIAL AND GROUNDCOVER INSTALLATION DETAIL

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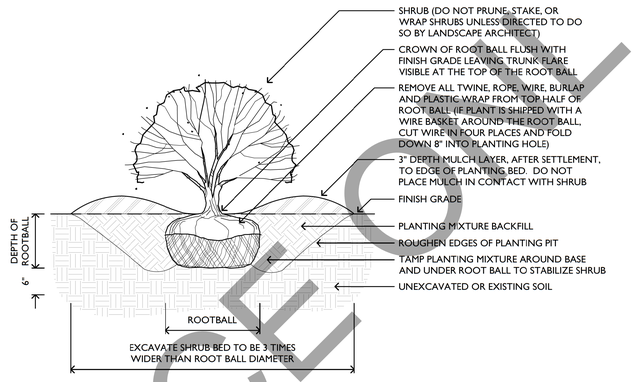
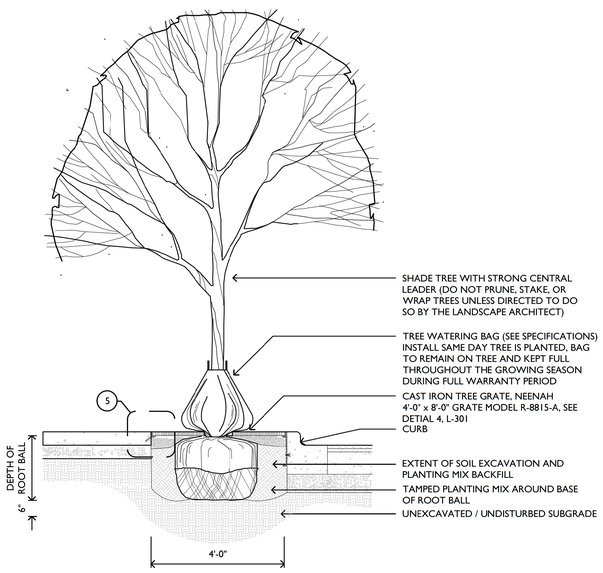


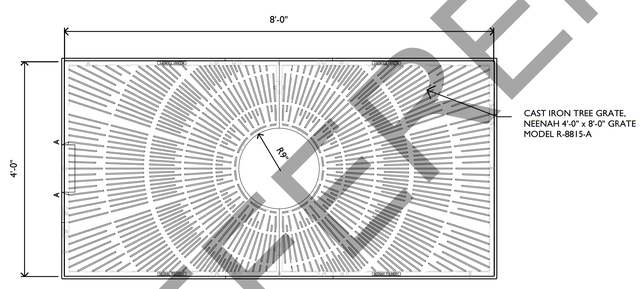
2 SHRUB INSTALLATION DETAIL

SCALE: 1"=1'-0"



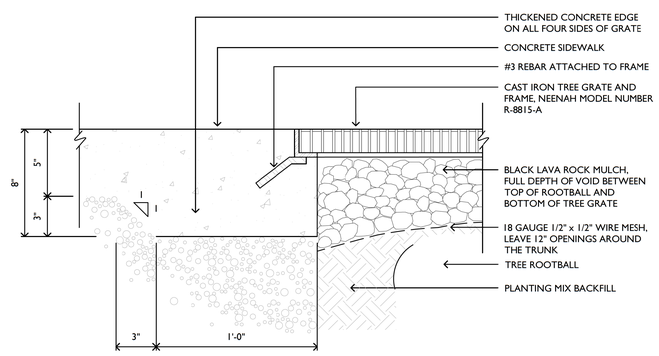
3 TREE IN TREE GRATE DETAIL

SCALE: 1/2"=1'-0"



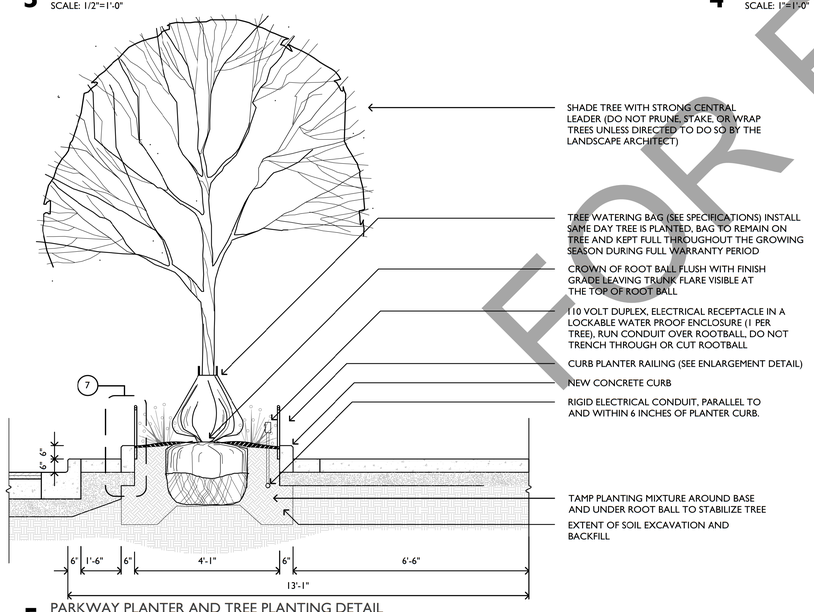
4 4' x 8' TREE GRATE DETAIL

SCALE: 1"=1'-0"



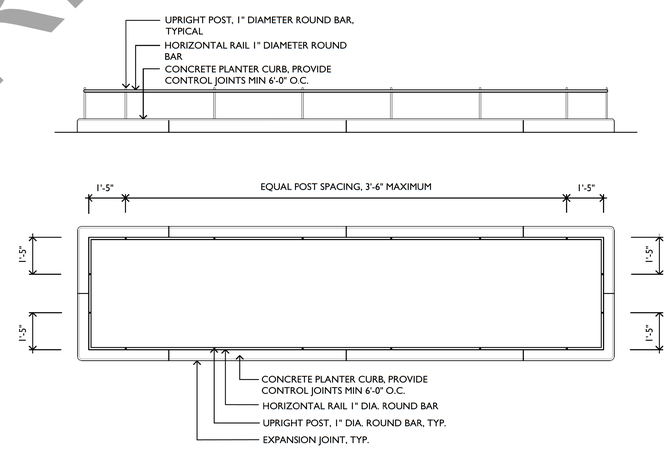
5 TREE GRATE DETAIL

SCALE: 1"=1'-0"



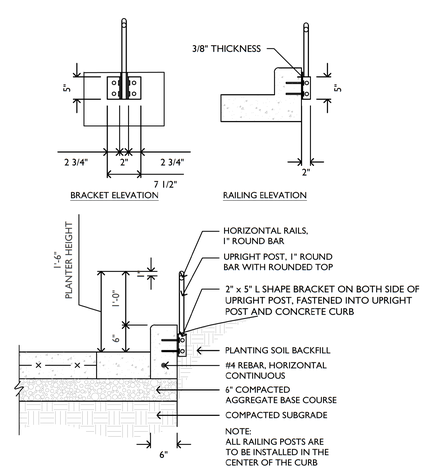
5 PARKWAY PLANTER AND TREE PLANTING DETAIL

SCALE: 1/2"=1'-0"



6 RAILING DETAILS

SCALE: 1/2"=1'-0"



7 RAILING POST DETAIL

SCALE: 1"=1'-0"

TRUE NORTH
PROJECT NORTH

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FOR REFERENCE ONLY

General Notes

NOTE: AVERAGE ELEVATION FOR BUILDING HEIGHT = 903'-6"

WISCONSIN TED WOLFF 436-010 CHICAGO, IL LANDSCAPE ARCHITECT

No.	Description	Date
6	BID DOCUMENTS	09/07/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017
1	ISSUED FOR SCHEMATIC DESIGN	02/03/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

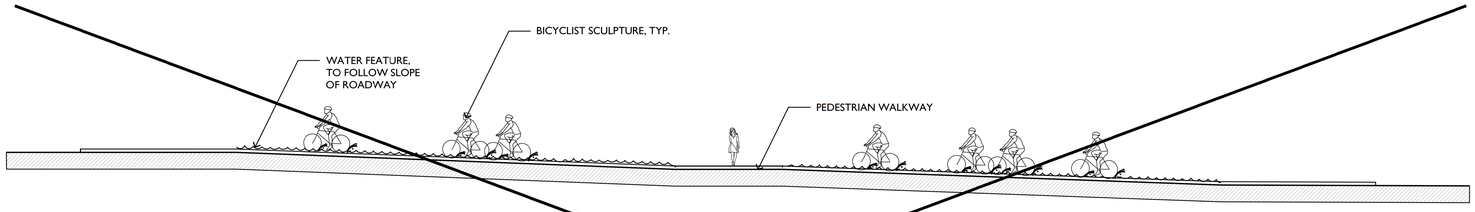
CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

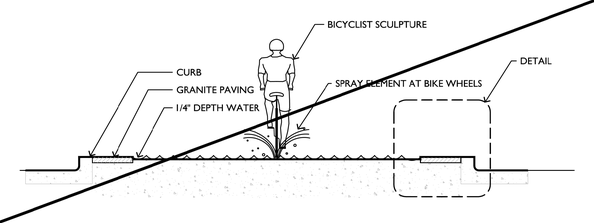
Drawing Title

PLANT LIST AND DETAILS

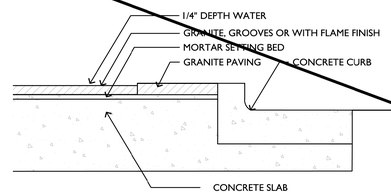
Drawn	Date
Author	
Checked By	Drawing Number
Checker	
Approved	
Approver	
Job Number	L-301
215-1051	



1 SECTION THROUGH WATER FEATURE ON LONG AXIS
SCALE: 1/8" = 1'-0"



2 SECTION THROUGH WATER FEATURE ON SHORT AXIS
SCALE: 1/2" = 1'-0"



3 CONCEPT DETAIL
SCALE: 1" = 1'-0"

N.I.C.

FOR REFERENCE ONLY

General Notes

NOTE: AVERAGE ELEVATION FOR BUILDING HEIGHT = 903'-6"

WISCONSIN TED WOLFF 434-010 CHICAGO, IL LANDSCAPE ARCHITECT

FOR REFERENCE ONLY - NOT FOR CONSTRUCTION

No.	Description	Date
6	BID DOCUMENTS	09/07/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017
1	ISSUED FOR SCHEMATIC DESIGN	02/03/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS
A WSP | PARSONS BRINCKERHOFF COMPANY

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

WATER FEATURE DETAILS

Drawn	Date
Author	
Checked By	Drawing Number
Checker	
Approved	
Approver	
Job Number	
215-1051	

L-302

TRUE NORTH
PROJECT NORTH

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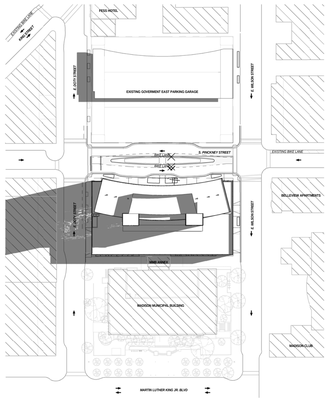
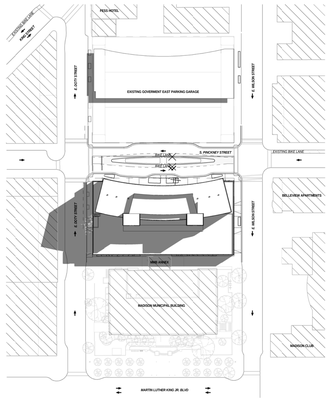
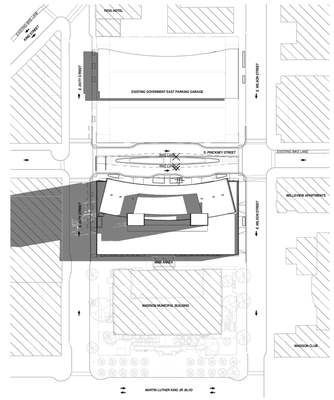


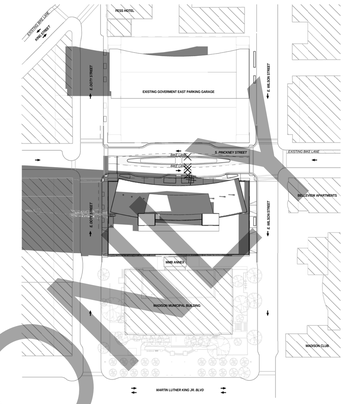
D12 OVERALL SITE PLAN - 9 AM, MARCH 21
SCALE: 1" = 100'-0"



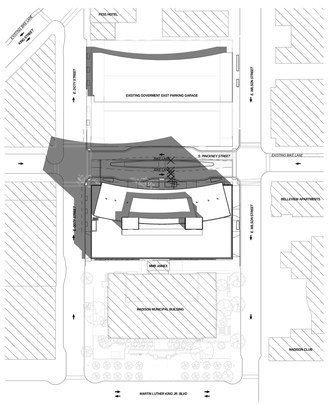
D9 OVERALL SITE PLAN - 9 AM, JUNE 21
SCALE: 1" = 100'-0"



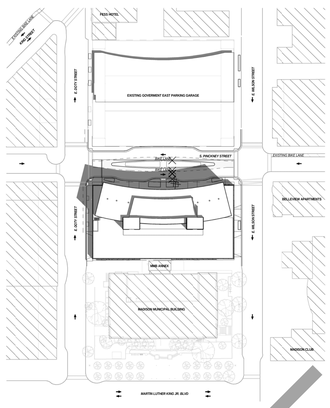
D6 OVERALL SITE PLAN - 9 AM, SEPTEMBER 21
SCALE: 1" = 100'-0"



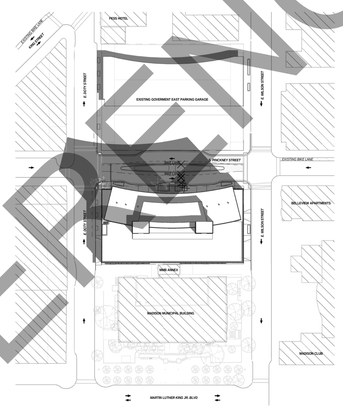
D3 OVERALL SITE PLAN - 9 AM, DECEMBER 21
SCALE: 1" = 100'-0"



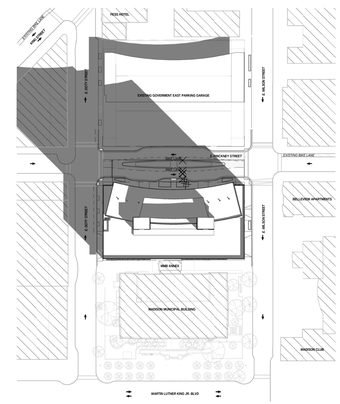
G12 OVERALL SITE PLAN - NOON, MARCH 21
SCALE: 1" = 100'-0"



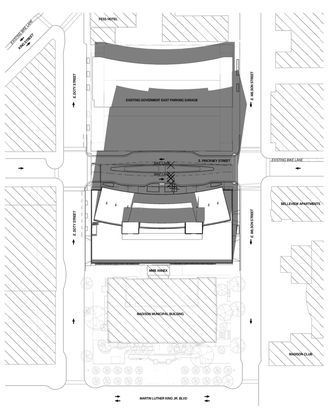
G9 OVERALL SITE PLAN - NOON, JUNE 21
SCALE: 1" = 100'-0"



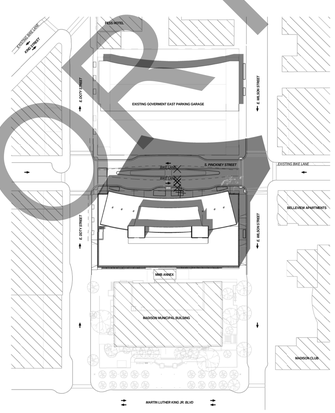
G6 OVERALL SITE PLAN - NOON, SEPTEMBER 21
SCALE: 1" = 100'-0"



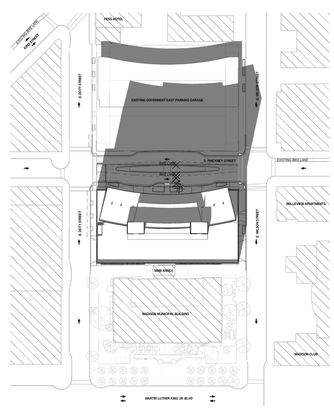
G3 OVERALL SITE PLAN - NOON, DECEMBER 21
SCALE: 1" = 100'-0"



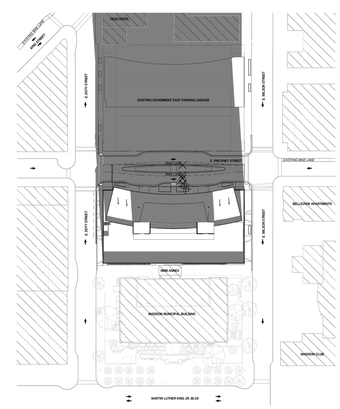
K12 OVERALL SITE PLAN - 3 PM, MARCH 21
SCALE: 1" = 100'-0"



K9 OVERALL SITE PLAN - 3 PM, JUNE 21
SCALE: 1" = 100'-0"



K6 OVERALL SITE PLAN - 3 PM, SEPTEMBER 21
SCALE: 1" = 100'-0"



K3 OVERALL SITE PLAN - 3 PM, DECEMBER 21
SCALE: 1" = 100'-0"

FOR REFERENCE ONLY

TRUE NORTH
PROJECT NORTH

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9/5/2017 11:20:25 AM

General Notes

WISCONSIN
JAMES R. DESTEFANO
3614-5
MADISON
ARCHITECT

No.	Description	Date
9	BID DOCUMENTS	09/07/2017
6	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
5	ISSUED FOR FINAL BID	06/23/2017
4	ISSUED FOR BID	06/16/2017
3	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
2	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017
1	ISSUED FOR SCHEMATIC DESIGN	02/03/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

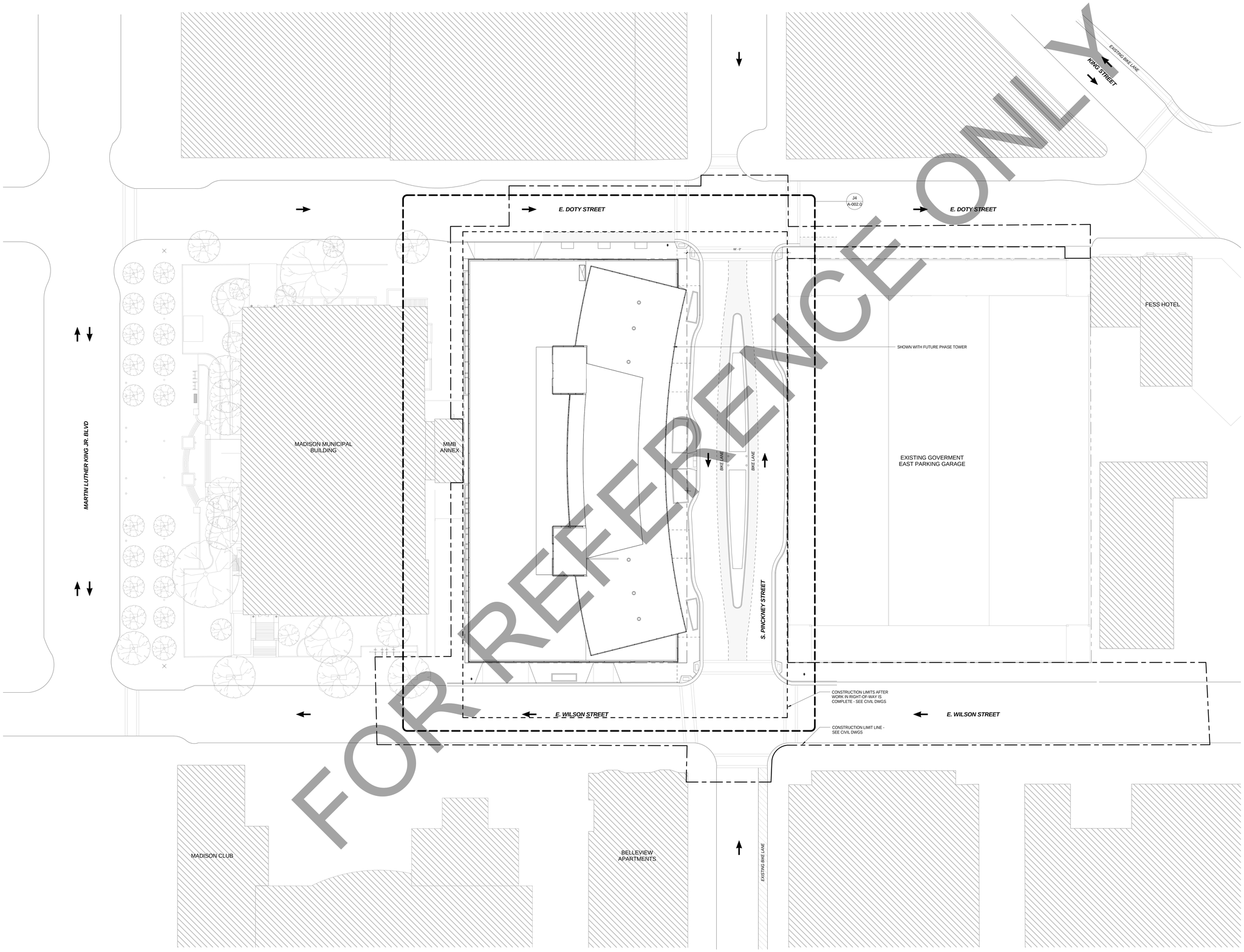
LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

SHADOW STUDY - FOR REFERENCE

Drawn	Date
Author	9/5/2017 11:20:25 AM
Checked By	Drawing Number
Checker	
Approved	
Approver	
Job Number	
215-1051	

A-000.1



FOR REFERENCE ONLY

K1 OVERALL SITE PLAN

SCALE: 3/64" = 1'-0"

TRUE NORTH

PROJECT NORTH

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9/5/2017 11:20:40 AM

General Notes

WISCONSIN
JAMES R. DESTEFANO
3614-5
MADISON
2016

No.	Description	Date
9	BID DOCUMENTS	09/07/2017
6	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
5	ISSUED FOR FINAL BID	06/23/2017
4	ISSUED FOR BID	06/16/2017
3	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
2	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017
1	ISSUED FOR SCHEMATIC DESIGN	02/03/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

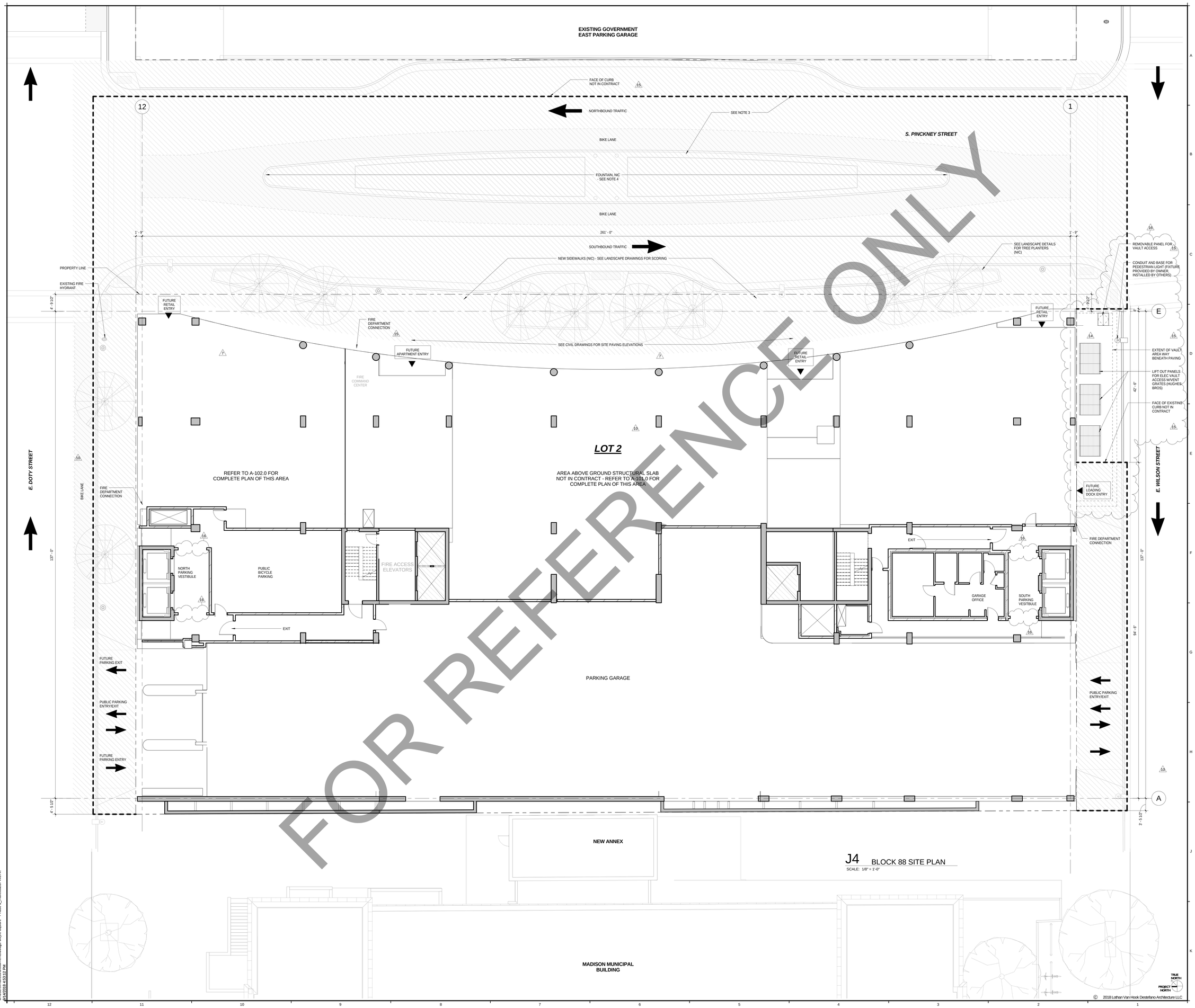
CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

OVERALL SITE PLAN

Drawn	Date
MD	9/5/2017 11:20:40 AM
Checked By	**Drawing Number**
Checker	A-001.0
Approved	
Approver	
Job Number	
215-1051	



J4 BLOCK 88 SITE PLAN

SCALE: 1/8" = 1'-0"

FOR REFERENCE ONLY

General Notes

NOTE 1: CONSTRUCTION SHOWN HALF-TONE IS FOR INFORMATION ONLY - SUBSEQUENT DEVELOPMENT UNDER SEPARATE CONTRACT

NOTE 2 : ALL EXTERIOR WALL ENCLOSURE IS NOT IN CONTRACT UNLESS OTHERWISE NOTED

LEGEND

N.I.C. — **CONSTRUCTION ITEMS FOR REFERENCE ONLY - NOT IN CONTRACT - SUBJECT TO SEPARATE PERMIT**

NOTE 3: AVERAGE ELEVATION FOR BUILDING HEIGHT = 903'-6"
SEE CIVIL DRAWINGS FOR GRADE ELEVATIONS

NOTE 4:
- PAVINGS, LANDSCAPING, AND SURFACE FEATURES NOT IN CONTRACT UNLESS NOTED OTHERWISE.

- IN SHADED AREAS OF PUBLIC RIGHT-OF-WAY, ALL UTILITIES AND STRUCTURES ARE TO BE INSTALLED, EXCEPT CURB INLETS, HAND HOLES, AND ANY OTHER UTILITIES SET AT FINISH SIDEWALK ELEVATIONS.

- PROVIDE STRUCTURAL BACKFILL COMPACTED TO 18" BELOW FINAL PAVING AND ELEVATIONS THROUGHOUT.

No.	Description	Date
16	FINAL BULLETIN #6	09/14/2018
15	BULLETIN #6	08/03/2018
14	BULLETIN #5	05/14/2018
10	BULLETIN #1	11/08/2017
9	BID DOCUMENTS	09/07/2017
7	ADDENDUM #2	07/28/2017
6	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
5	ISSUED FOR FINAL BID	06/23/2017
4	ISSUED FOR BID	06/16/2017
3	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
2	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017
1	ISSUED FOR SCHEMATIC DESIGN	02/03/2017

JUDGE DOYLE SQUARE - PODIUM

JUDGE DOYLE SQUARE

CITY OF MADISON

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE

Drawing Title

BLOCK 88 SITE PLAN

Drawn	Date
Author	9/14/2018 4:53:12 PM
Checked By	**Drawing Number**
Checker	
Approved	
Approver	A-002.0
Job Number	
217-1088	

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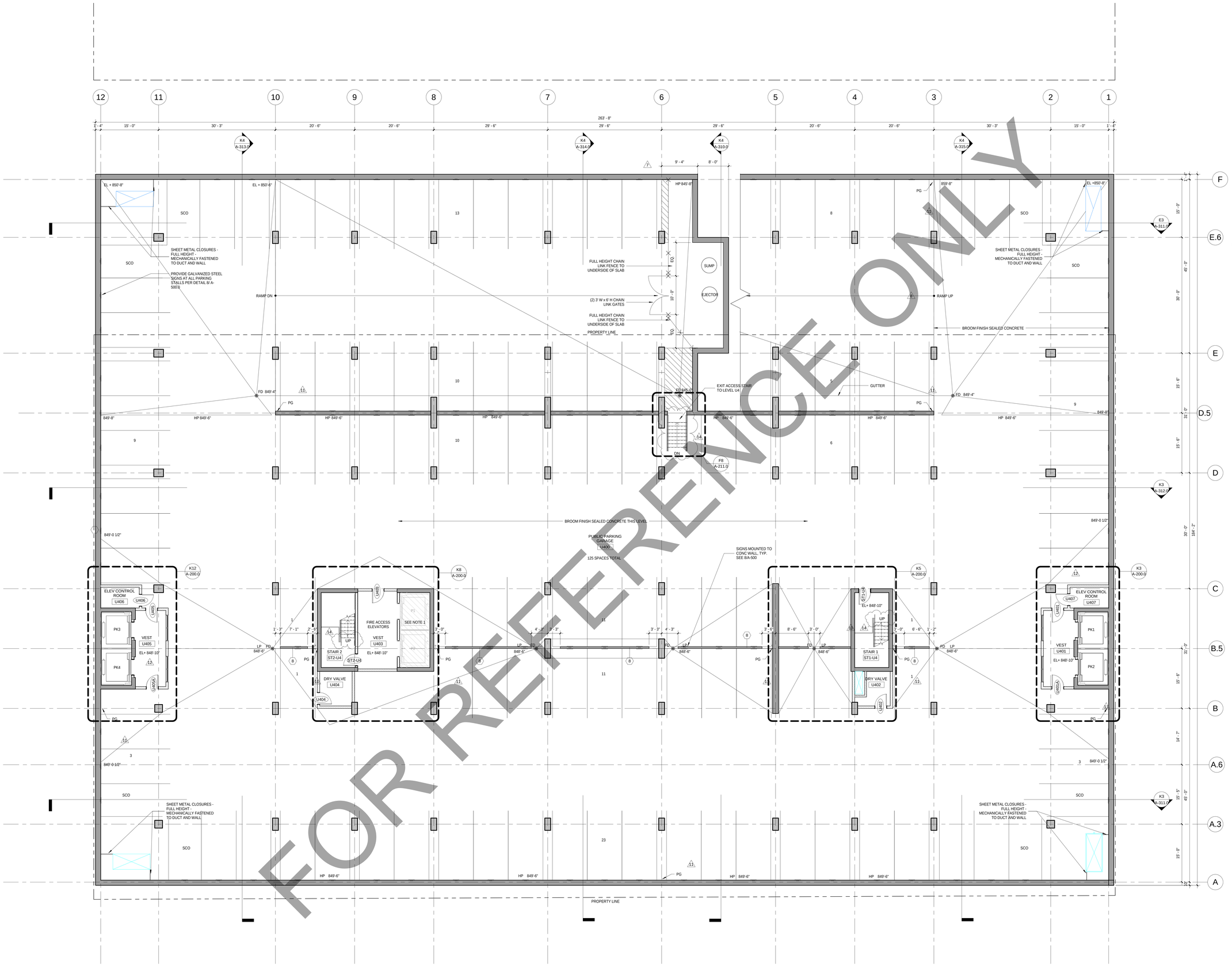

FOR REFERENCE ONLY

K3 UNDERGROUND PARKING PLAN LEVEL U4

SCALE: 1/8" = 1'-0"

General Notes

NOTE 1: CONSTRUCTION SHOWN HALF-TONE IS FOR INFORMATION ONLY - SUSEQUENT PRIVATE DEVELOPMENT UNDER SEPARATE CONTRACT

LEGEND

N.I.C. — **CONSTRUCTION ITEMS FOR REFERENCE ONLY - NOT IN CONTRACT - SUBJECT TO SEPARATE PERMIT**

NOTE 2: FOR DOOR SCHEDULE, SEE SHEET A-502.0

NOTE 3: FOR PARTITION SCHEDULE, SEE SHEET A-500.0

NOTE 4: FOR FINISHES, SEE SHEET A-501.0

NOTE 5: SEE G-102.0 AND G-103.0 FOR HOURLY RATINGS OF PARTITIONS

NOTE 6: PROVIDE YELLOW (GOLDFINCH SW6905) PAINTED PIPE GUARDS AT PIPING. NOTED AS "PG". SEE SPECIFICATIONS SECTION 055000

11

WISCONSIN JAMES R. DESTEFANO 3614-5 MADISON, WIS. ARCHITECT

No.	Description	Date
14	BULLETIN #5	05/14/2018
12	BULLETIN #3	03/05/2018
11	BULLETIN #2	12/07/2017
10	BULLETIN #1	11/08/2017
9	BID DOCUMENTS	09/07/2017
8	ADDENDUM #3	08/02/2017
7	ADDENDUM #2	07/28/2017
6	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
5	ISSUED FOR FINAL BID	06/23/2017
4	ISSUED FOR BID	06/16/2017
3	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
2	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017
1	ISSUED FOR SCHEMATIC DESIGN	02/03/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

UNDERGROUND PARKING PLAN - LEVEL U4

Drawn	Date
Author	5/14/2018 10:18:47 AM
Checked By	**Drawing Number**
Checker	
Approved	
Approver	
Job Number	
216-1066	

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TRUE NORTH
PROJECT NORTH

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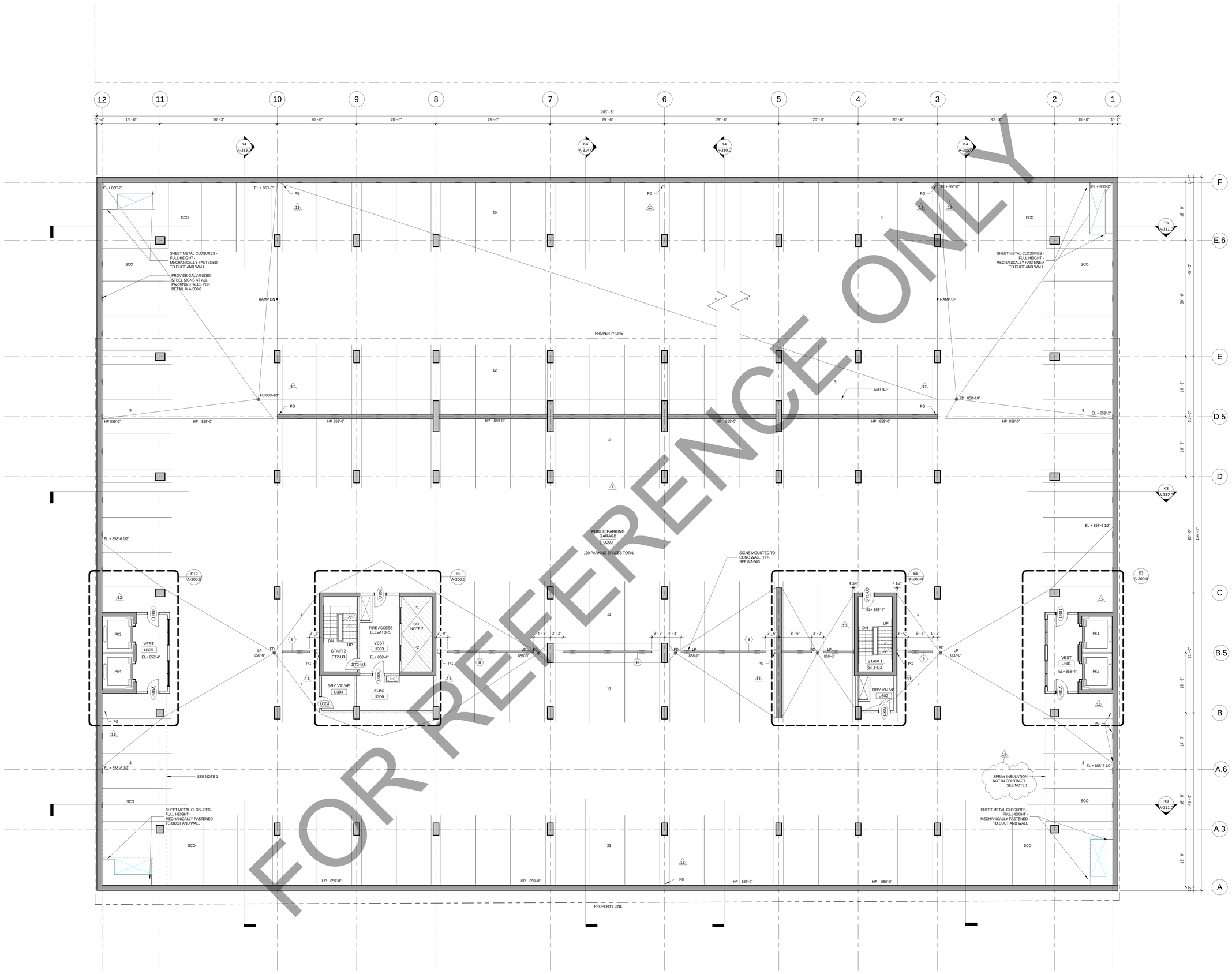

FOR REFERENCE ONLY

K3 UNDERGROUND PARKING PLAN LEVEL U3

SCALE: 1/8" = 1'-0"

General Notes

NOTE 1: WHITE COLOR R12.5 CONTINUOUS SPRAY CELLULOSE INSULATION ON BOTTOM OF SLAB ABOVE NOT IN CONTRACT - REFER TO PODIUM DRAWINGS UNDER SEPARATE CONTRACT

NOTE 2: CONSTRUCTION SHOWN HALF-TONE IS FOR INFORMATION ONLY - SUSEQUENT DEVELOPMENT UNDER SEPARATE CONTRACT

LEGEND

N.I.C. — **CONSTRUCTION ITEMS FOR REFERENCE ONLY - NOT IN CONTRACT - SUBJECT TO SEPARATE PERMIT**

NOTE 3: FOR DOOR SCHEDULE, SEE SHEET A-502.0

NOTE 4: FOR PARTITION SCHEDULE, SEE SHEET A-500.0

NOTE 5: FOR FINISHES SCHEDULE, SEE SHEET A-501.0

NOTE 6: SEE G-102.0 AND G-103.0 FOR HOURLY RATINGS OF PARTITIONS

NOTE 7: PROVIDE YELLOW (GOLDFINCH SW6905) PAINTED PIPE GUARDS AT PIPING. NOTED AS "PG". SEE SPECIFICATIONS SECTION 055000

No.	Description	Date
16	FINAL BULLETIN #6	09/14/2018
15	BULLETIN #6	08/03/2018
12	BULLETIN #3	03/05/2018
11	BULLETIN #2	12/07/2017
10	BULLETIN #1	11/08/2017
9	BID DOCUMENTS	09/07/2017
7	ADDENDUM #2	07/28/2017
6	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
5	ISSUED FOR FINAL BID	06/23/2017
4	ISSUED FOR BID	06/16/2017
3	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
2	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017
1	ISSUED FOR SCHEMATIC DESIGN	02/03/2017

JUDGE DOYLE SQUARE - PODIUM

JUDGE DOYLE SQUARE

CITY OF MADISON

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

UNDERGROUND PARKING PLAN - LEVEL U3

Drawn	Date
Author	9/14/2018 4:53:20 PM
Checked By	**Drawing Number**
Checker	
Approved	
Approver	
Job Number	
217-1088	

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TRUE NORTH
PROJECT NORTH

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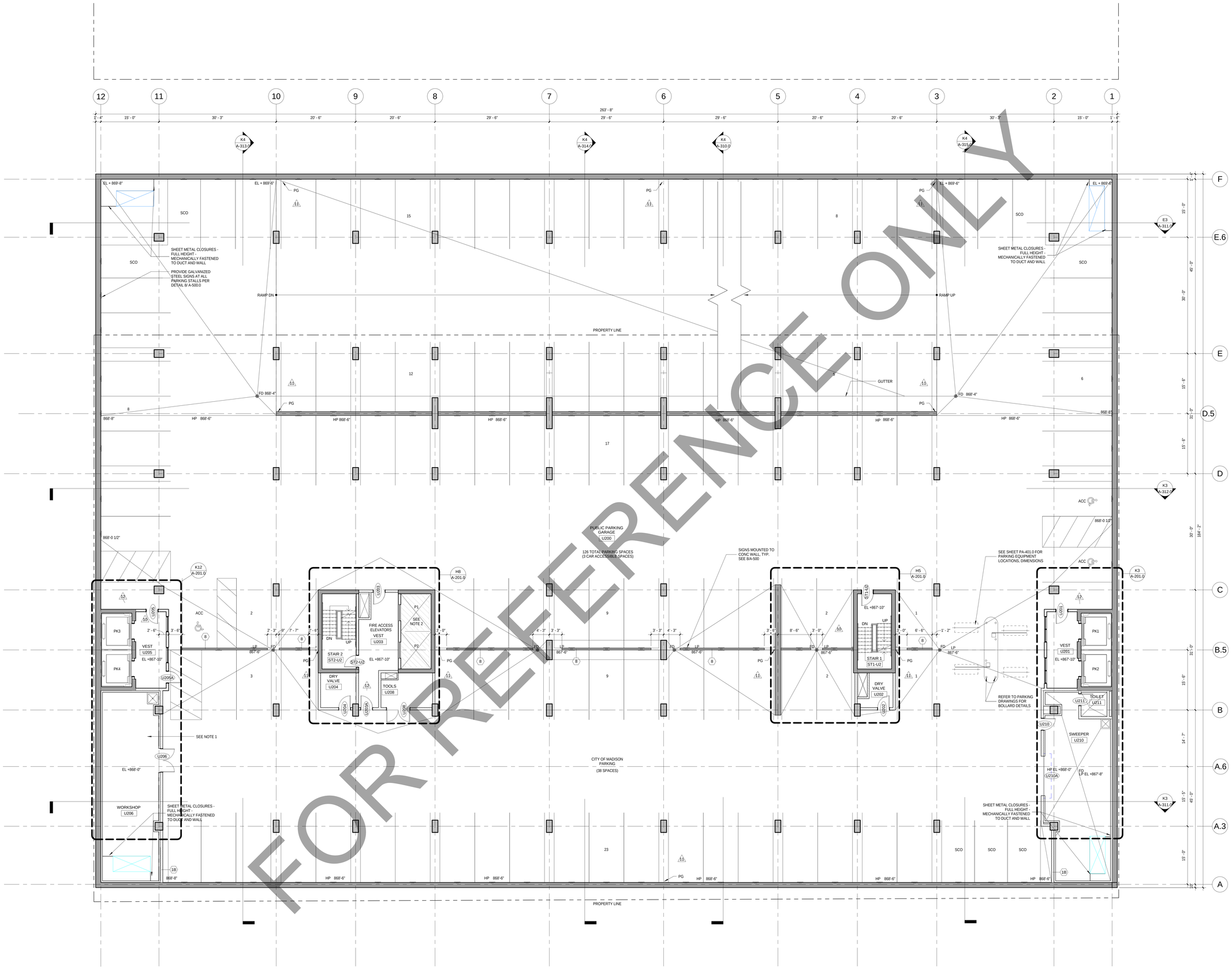

K3 UNDERGROUND PARKING PLAN LEVEL U2

SCALE: 1/8" = 1'-0"

General Notes

NOTE 1: WHITE COLOR R12.5 CONTINUOUS SPRAY CELLULOSE INSULATION ON BOTTOM OF SLAB ABOVE NOT IN CONTRACT - REFER TO PODIUM DRAWINGS UNDER SEPARATE CONTRACT

NOTE 2: CONSTRUCTION SHOWN HALF-TONE IS FOR INFORMATION ONLY - SUSEQUENT DEVELOPMENT UNDER SEPARATE CONTRACT

LEGEND

N.I.C. — **CONSTRUCTION ITEMS FOR REFERENCE ONLY - NOT IN CONTRACT - SUBJECT TO SEPARATE PERMIT**

NOTE 3: FOR DOOR SCHEDULE, SEE SHEET A-502.0

NOTE 4: FOR PARTITION SCHEDULE, SEE SHEET A-500.0

NOTE 5: FOR FINISHES SCHEDULE, SEE SHEET A-501.0

NOTE 6: SEE G-102.0 AND G-103.0 FOR HOURLY RATINGS OF PARTITIONS

NOTE 7: PROVIDE YELLOW (GOLDFINCH SW6905) PAINTED PIPE GUARDS AT PIPING. NOTED AS "PG". SEE SPECIFICATIONS SECTION 055000

No.	Description	Date
16	FINAL BULLETIN #6	09/14/2018
12	BULLETIN #3	03/05/2018
11	BULLETIN #2	12/07/2017
10	BULLETIN #1	11/08/2017
9	BID DOCUMENTS	09/07/2017
7	ADDENDUM #2	07/28/2017
6	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
5	ISSUED FOR FINAL BID	06/23/2017
4	ISSUED FOR BID	06/16/2017
3	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
2	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017
1	ISSUED FOR SCHEMATIC DESIGN	02/03/2017

JUDGE DOYLE SQUARE - PODIUM

JUDGE DOYLE SQUARE

CITY OF MADISON

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

UNDERGROUND PARKING PLAN - LEVEL U2

Drawn	Date
Author	9/14/2018 4:53:27 PM
Checked By	**Drawing Number**
Checker	
Approved	
Approver	
Job Number	
217-1088	

A-100.3

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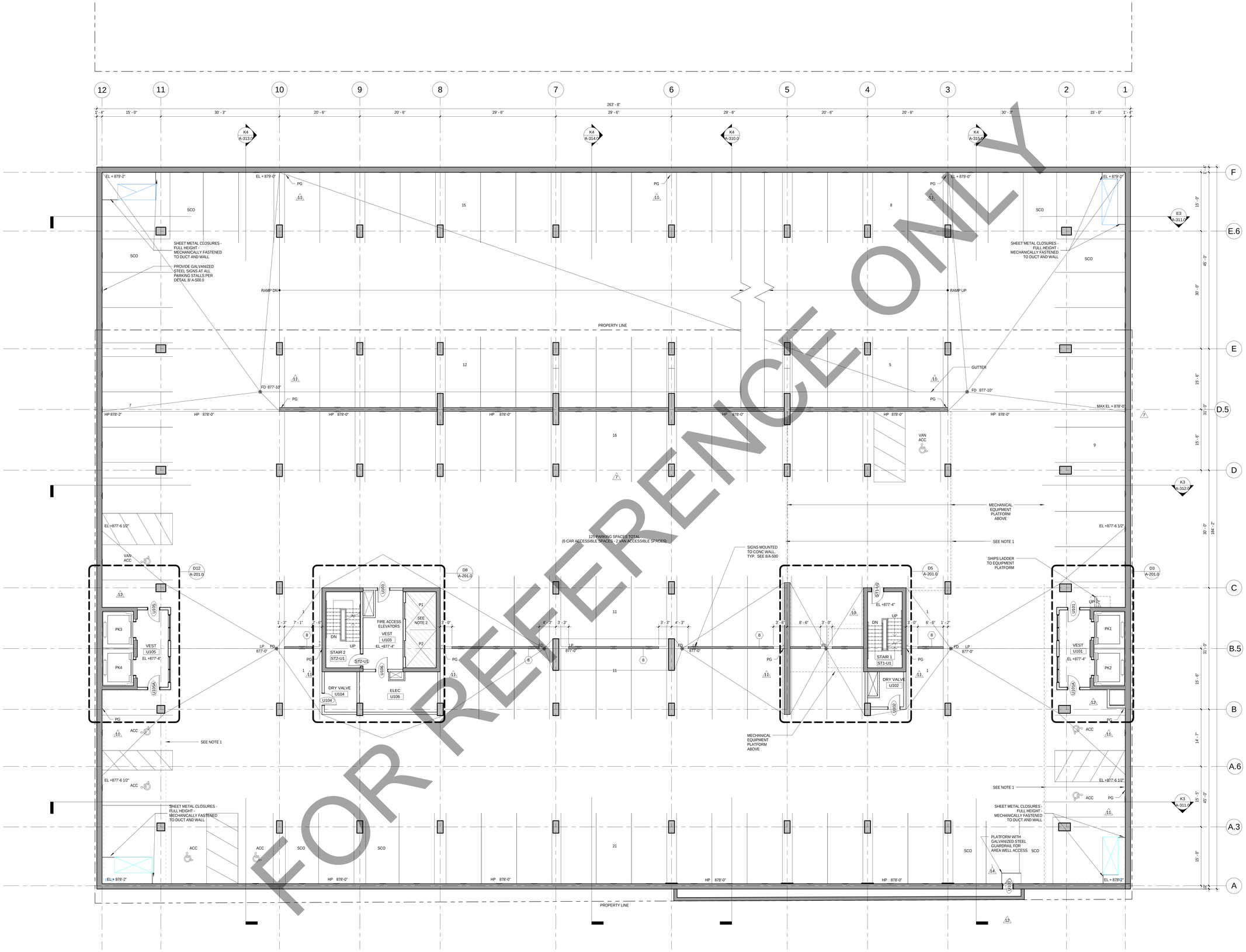

K3 UNDERGROUND PARKING PLAN LEVEL U1

SCALE: 1/8" = 1'-0"

General Notes

NOTE 1: WHITE COLOR R12.5 CONTINUOUS SPRAY CELLULOSE INSULATION ON BOTTOM OF SLAB ABOVE NOT IN CONTRACT - REFER TO PODIUM DRAWINGS UNDER SEPARATE CONTRACT

NOTE 2: CONSTRUCTION SHOWN HALF-TONE IS FOR INFORMATION ONLY - SUSEQUENT DEVELOPMENT UNDER SEPARATE CONTRACT

LEGEND

N.I.C. — **CONSTRUCTION ITEMS FOR REFERENCE ONLY - NOT IN CONTRACT - SUBJECT TO SEPARATE PERMIT**

NOTE 3: FOR DOOR SCHEDULE, SEE SHEET A-502.0

NOTE 4: FOR PARTITION SCHEDULE, SEE SHEET A-500.0

NOTE 5: FOR FINISHES SCHEDULE, SEE SHEET A-501.0

NOTE 6: SEE G-102.0 AND G-103.0 FOR HOURLY RATINGS OF PARTITIONS

NOTE 7: PROVIDE YELLOW (GOLDFINCH SW6905) PAINTED PIPE GUARDS AT PIPING. NOTED AS "PG". SEE SPECIFICATIONS SECTION 055000

No.	Description	Date
16	FINAL BULLETIN #6	09/14/2018
14	BULLETIN #5	05/14/2018
12	BULLETIN #3	03/05/2018
11	BULLETIN #2	12/07/2017
10	BULLETIN #1	11/08/2017
9	BID DOCUMENTS	09/07/2017
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6	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
5	ISSUED FOR FINAL BID	06/23/2017
4	ISSUED FOR BID	06/16/2017
3	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
2	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017
1	ISSUED FOR SCHEMATIC DESIGN	02/03/2017

JUDGE DOYLE SQUARE - PODIUM

JUDGE DOYLE SQUARE

CITY OF MADISON

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

UNDERGROUND PARKING PLAN - LEVEL U1

Drawn	Date
Author	9/14/2018 4:53:35 PM
Checked By	**Drawing Number**
Checker	
Approved	
Approver	
Job Number	
217-1088	

A-100.4

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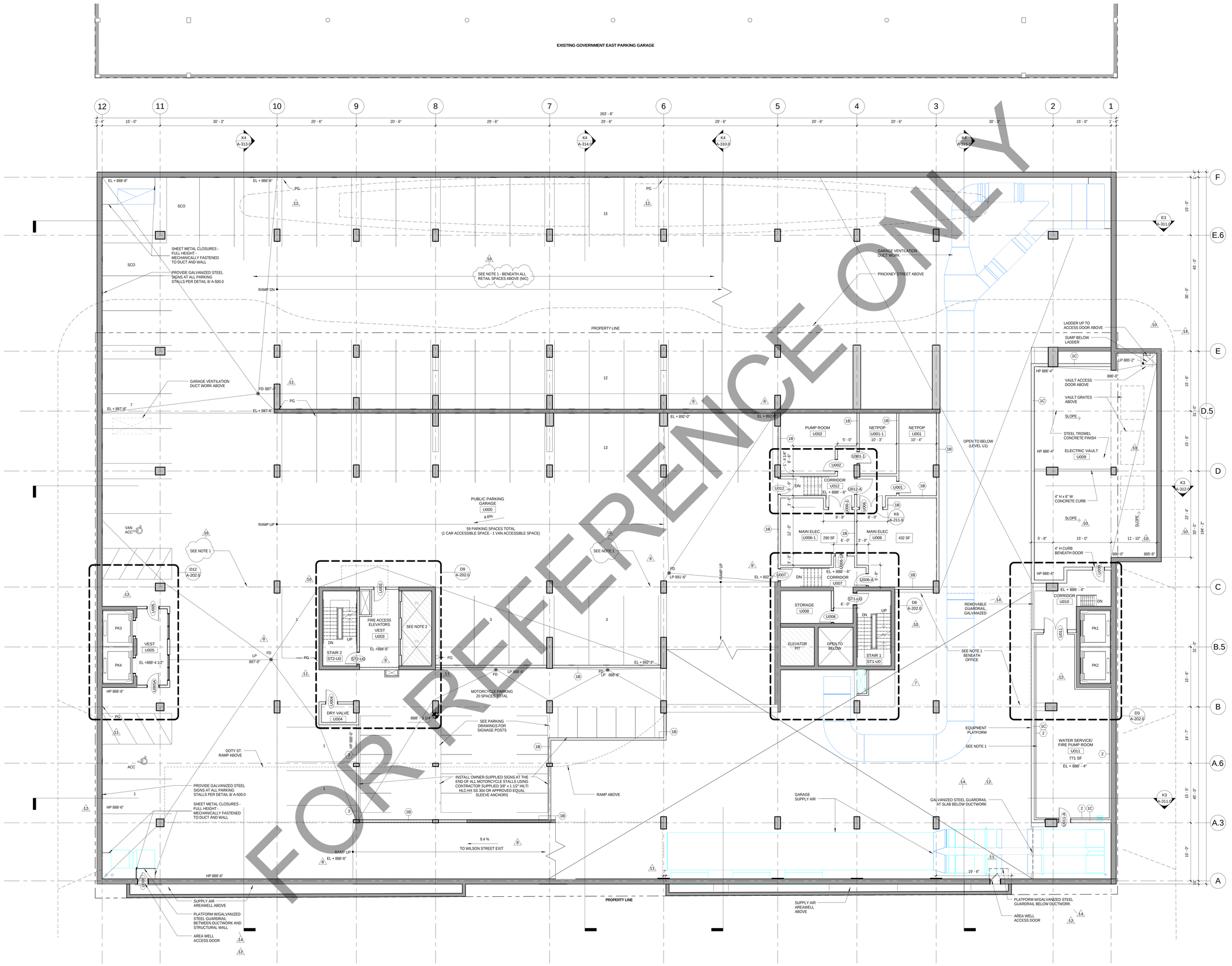

K3 UNDERGROUND PARKING PLAN LEVEL U0

SCALE: 1/8" = 1'-0"

FOR REFERENCE ONLY

General Notes

NOTE 1: WHITE COLOR R12.5 CONTINUOUS SPRAY CELLULOSE INSULATION ON BOTTOM OF SLAB ABOVE NOT IN CONTRACT - REFER TO PODIUM DRAWINGS UNDER SEPARATE CONTRACT

NOTE 2: CONSTRUCTION SHOWN HALF-TONE IS FOR INFORMATION ONLY - SUSEQUENT DEVELOPMENT UNDER SEPARATE CONTRACT

LEGEND

N.I.C. — **CONSTRUCTION ITEMS FOR REFERENCE ONLY - NOT IN CONTRACT - SUBJECT TO SEPARATE PERMIT**

NOTE 3: FOR DOOR SCHEDULE, SEE SHEET A-502.0

NOTE 4: FOR PARTITION SCHEDULE, SEE SHEET A-500.0

NOTE 5: FOR FINISHES SCHEDULE, SEE SHEET A-501.0

NOTE 6: SEE G-102.0 AND G-103.0 FOR HOURLY RATINGS OF PARTITIONS

NOTE 7: PROVIDE YELLOW (GOLDFINCH SW6905) PAINTED PIPE GUARDS AT PIPING. NOTED AS "PG". SEE SPECIFICATIONS SECTION 055000

No.	Description	Date
16	FINAL BULLETIN #6	09/14/2018
14	BULLETIN #5	05/14/2018
12	BULLETIN #3	03/05/2018
11	BULLETIN #2	12/07/2017
10	BULLETIN #1	11/08/2017
9	BID DOCUMENTS	09/07/2017
8	ADDENDUM #3	08/02/2017
7	ADDENDUM #2	07/28/2017
6	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
5	ISSUED FOR FINAL BID	06/23/2017
4	ISSUED FOR BID	06/16/2017
3	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
2	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017
1	ISSUED FOR SCHEMATIC DESIGN	02/03/2017

JUDGE DOYLE SQUARE - PODIUM

JUDGE DOYLE SQUARE

CITY OF MADISON

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE

Drawing Title

UNDERGROUND PARKING PLAN - LEVEL U0

Drawn	Date
Author	9/14/2018 4:53:44 PM
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Checker	A-100.5
Approved	
Approver	
Job Number	
217-1088	

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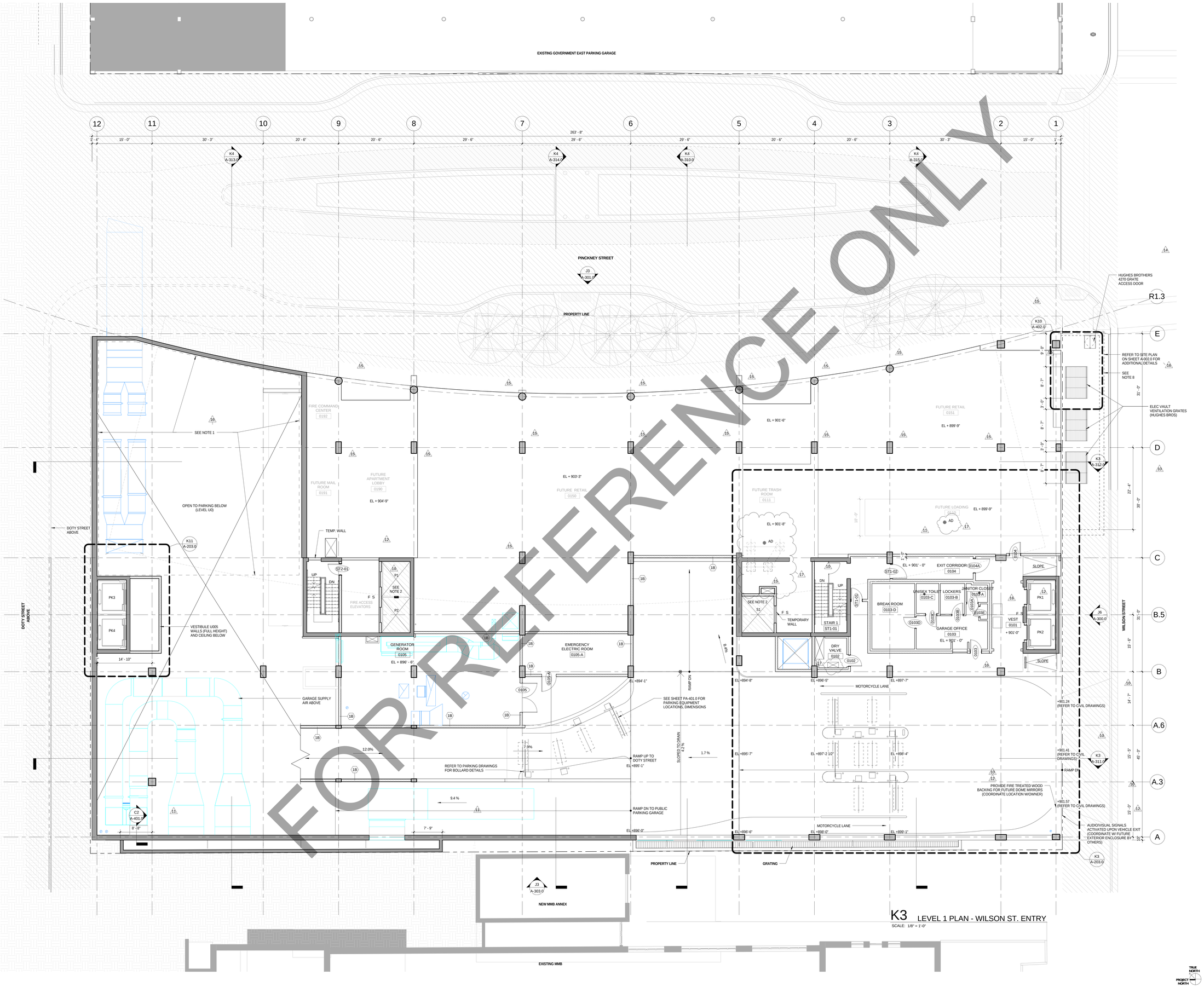

K3 LEVEL 1 PLAN - WILSON ST. ENTRY

SCALE: 1/8" = 1'-0"

FOR REFERENCE ONLY

General Notes

NOTE 1: WHITE COLOR R12.5 CONTINUOUS SPRAY CELLULOSE INSULATION ON BOTTOM OF SLAB ABOVE NOT IN CONTRACT - REFER TO PODIUM DRAWINGS UNDER SEPARATE CONTRACT

NOTE 2: CONSTRUCTION SHOWN HALF-TONE IS FOR INFORMATION ONLY - SUSEQUENT DEVELOPMENT UNDER SEPARATE CONTRACT

LEGEND

N.I.C. — **CONSTRUCTION ITEMS FOR REFERENCE ONLY - NOT IN CONTRACT - SUBJECT TO SEPARATE PERMIT**

NOTE 3: FOR DOOR SCHEDULE, SEE SHEET A-502.0

NOTE 4: FOR PARTITION SCHEDULE, SEE SHEET A-500.0

NOTE 5: FOR FINISHES SCHEDULE, SEE SHEET A-501.0

NOTE 6: SEE G-102.0 AND G-103.0 FOR HOURLY RATINGS OF PARTITIONS

NOTE 7: PROVIDE YELLOW (GOLDFINCH SW6905) PAINTED PIPE GUARDS AT PIPING. NOTED AS "PG". SEE SPECIFICATIONS SECTION 055000

NOTE 8: DOTTED LINE INDICATES EXTENT OF VAULT AREA WAY BENEATH PAVING

No.	Description	Date
17	BULLETIN #7	10/15/2018
16	FINAL BULLETIN #6	09/14/2018
15	BULLETIN #6	08/03/2018
14	BULLETIN #5	05/14/2018
12	BULLETIN #3	03/05/2018
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5	ISSUED FOR FINAL BID	06/23/2017
4	ISSUED FOR BID	06/16/2017
3	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
2	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017
1	ISSUED FOR SCHEMATIC DESIGN	02/03/2017

JUDGE DOYLE SQUARE - PODIUM

JUDGE DOYLE SQUARE

CITY OF MADISON

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE PLANNING LANDSCAPE ARCHITECTURE URBAN DESIGN

Drawing Title

LEVEL 1 PLAN - WILSON STREET ENTRANCE

Drawn	Date
MD	10/16/2018 1:54:55 PM
Checked By	**Drawing Number**
Checker	A-101.0
Approved	
Approver	
Job Number	
217-1088	

TRUE NORTH / PROJECT NORTH

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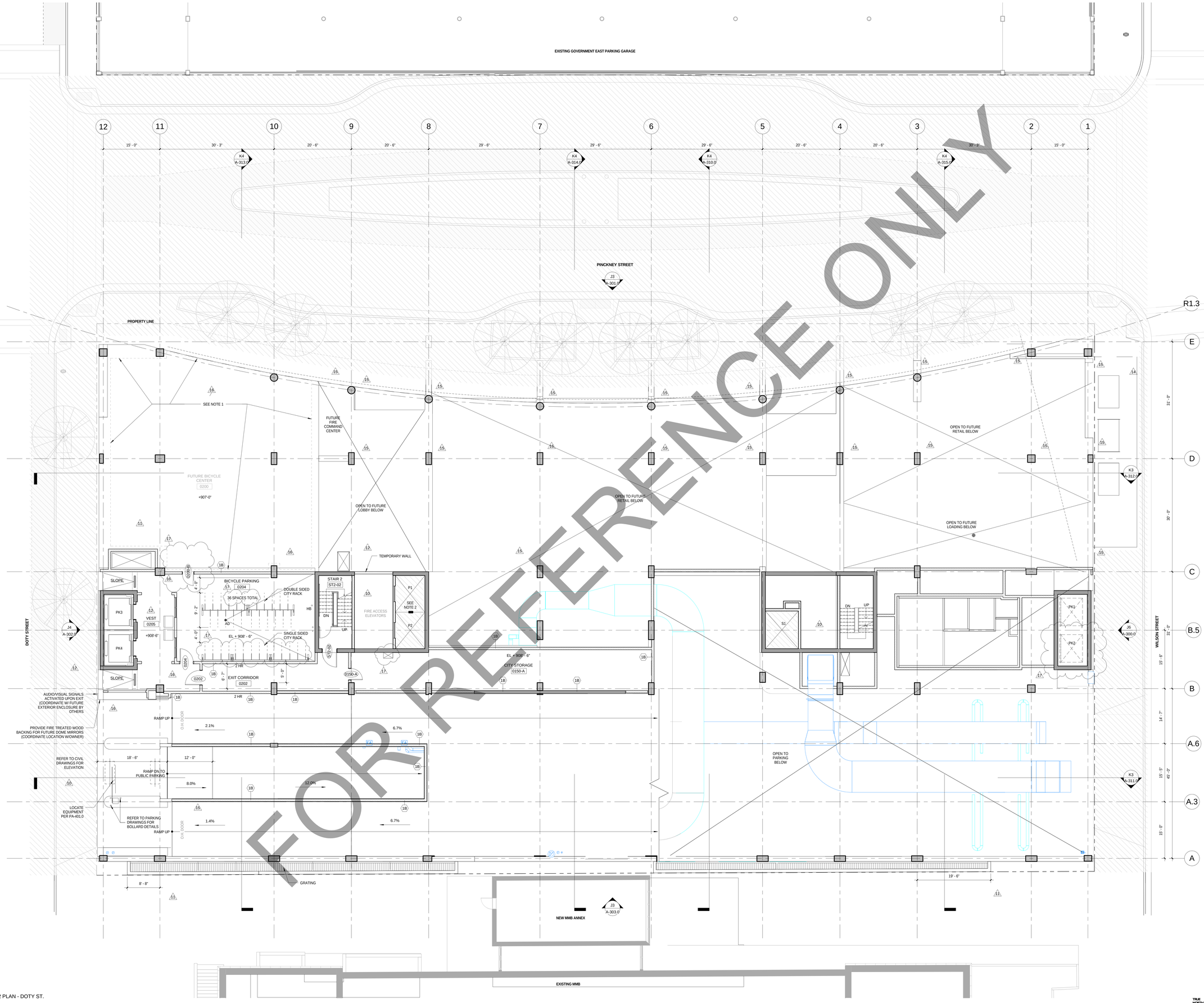

LEVEL 2 PLAN - DOTY ST. ENTRY

General Notes

NOTE 1: WHITE COLOR R12.5 CONTINUOUS SPRAY CELLULOSE INSULATION ON BOTTOM OF SLAB ABOVE NOT IN CONTRACT - REFER TO PODIUM DRAWINGS UNDER SEPARATE CONTRACT

NOTE 2: CONSTRUCTION SHOWN HALF-TONE IS FOR INFORMATION ONLY - SUSEQUENT DEVELOPMENT UNDER SEPARATE CONTRACT

LEGEND

N.I.C. — **CONSTRUCTION ITEMS FOR REFERENCE ONLY - NOT IN CONTRACT - SUBJECT TO SEPARATE PERMIT**

NOTE 3: FOR DOOR SCHEDULE, SEE SHEET A-502.0

NOTE 4: FOR PARTITION SCHEDULE, SEE SHEET A-500.0

NOTE 5: FOR FINISHES SCHEDULE, SEE SHEET A-501.0

NOTE 6: SEE G-102.0 AND G-103.0 FOR HOURLY RATINGS OF PARTITIONS

NOTE 7: PROVIDE YELLOW (GOLDFINCH SW6905) PAINTED PIPE GUARDS AT PIPING. NOTED AS "PG". SEE SPECIFICATIONS SECTION 055000

No.	Description	Date
17	BULLETIN #7	10/15/2018
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15	BULLETIN #6	08/03/2018
14	BULLETIN #5	05/14/2018
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11	BULLETIN #2	12/07/2017
10	BULLETIN #1	11/08/2017
9	BID DOCUMENTS	09/07/2017
8	ADDENDUM #3	08/02/2017
7	ADDENDUM #2	07/28/2017
6	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
5	ISSUED FOR FINAL BID	06/23/2017
4	ISSUED FOR BID	06/16/2017
3	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
2	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017
1	ISSUED FOR SCHEMATIC DESIGN	02/03/2017

JUDGE DOYLE SQUARE - PODIUM

JUDGE DOYLE SQUARE

CITY OF MADISON

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS
MADISON / CHICAGO / ST. LOUIS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS
A WSP | PARSONS BRINCKERHOFF COMPANY

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

LEVEL 2 PLAN - DOTY STREET ENTRANCE

Drawn	Date
MD	10/16/2018 3:10:20 PM
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Checker	
Approved	
Approver	
Job Number	
217-1088	

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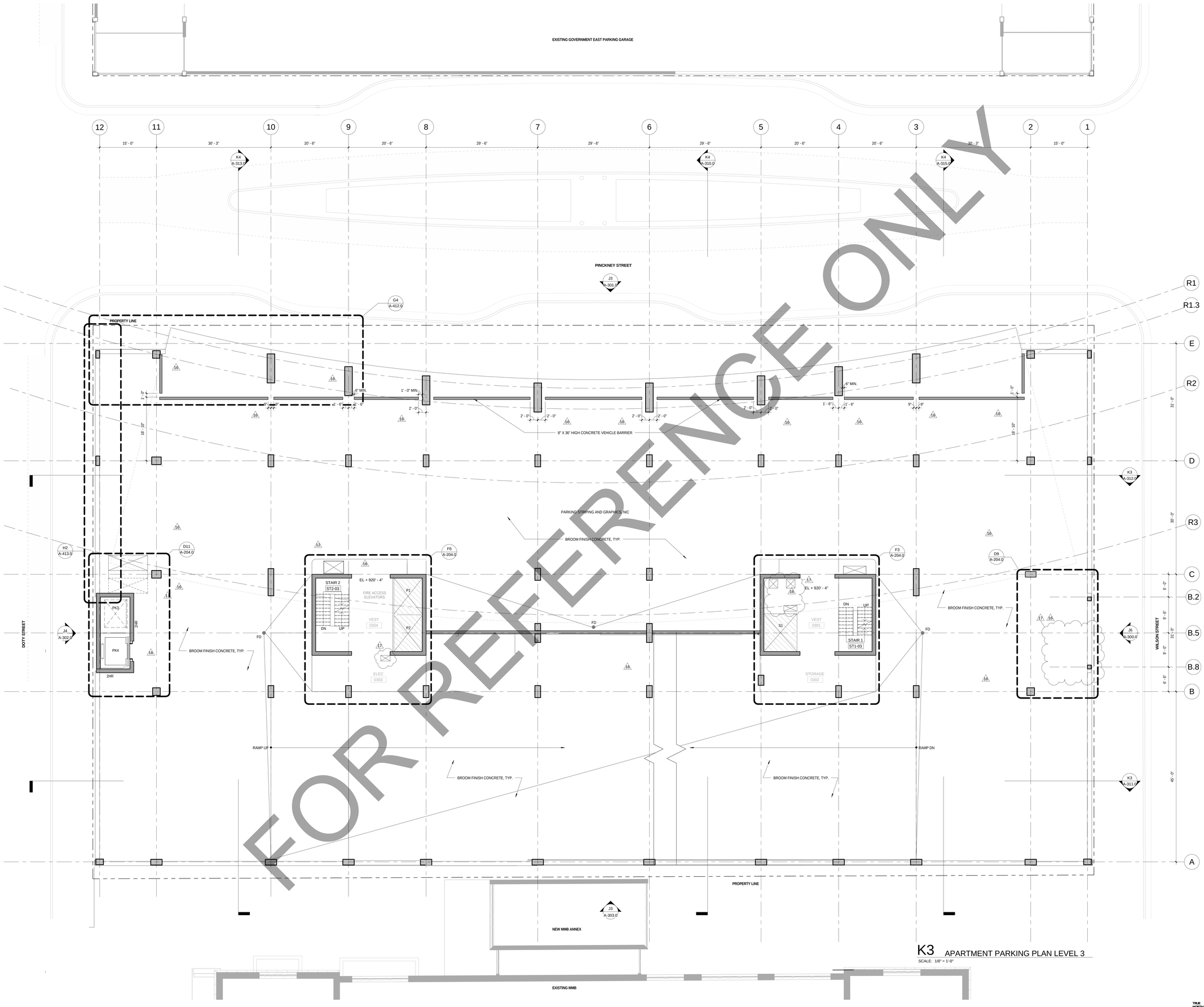

FOR REFERENCE ONLY

K3 APARTMENT PARKING PLAN LEVEL 3

SCALE: 1/8" = 1'-0"

General Notes

NOTE 1: CONSTRUCTION SHOWN HALF-TONE IS FOR INFORMATION ONLY - SUSEQUENT DEVELOPMENT UNDER SEPARATE CONTRACT

NOTE 2 : ALL EXTERIOR WALL ENCLOSURE IS NOT IN CONTRACT UNLESS OTHERWISE NOTED

LEGEND

N.I.C. — **CONSTRUCTION ITEMS FOR REFERENCE ONLY - NOT IN CONTRACT - SUBJECT TO SEPARATE PERMIT**

No.	Description	Date
17	BULLETIN #7	10/15/2018
16	FINAL BULLETIN #6	09/14/2018
15	BULLETIN #6	08/03/2018
12	BULLETIN #3	03/05/2018
11	BULLETIN #2	12/07/2017
9	BID DOCUMENTS	09/07/2017
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5	ISSUED FOR FINAL BID	06/23/2017
4	ISSUED FOR BID	06/16/2017
3	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
2	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017
1	ISSUED FOR SCHEMATIC DESIGN	02/03/2017

JUDGE DOYLE SQUARE - PODIUM

JUDGE DOYLE SQUARE

CITY OF MADISON

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS
MADISON | CHICAGO | ST. LOUIS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS
A SGH | AASTEN GERTSEN HOFFMEYER COMPANY

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

APARTMENT PARKING PLAN - LEVEL 3

Drawn	Date
Author	10/15/2018 1:53:05 PM
Checked By	**Drawing Number**
Checker	
Approved	
Approver	A-103.0
320 Number	
217-1088	

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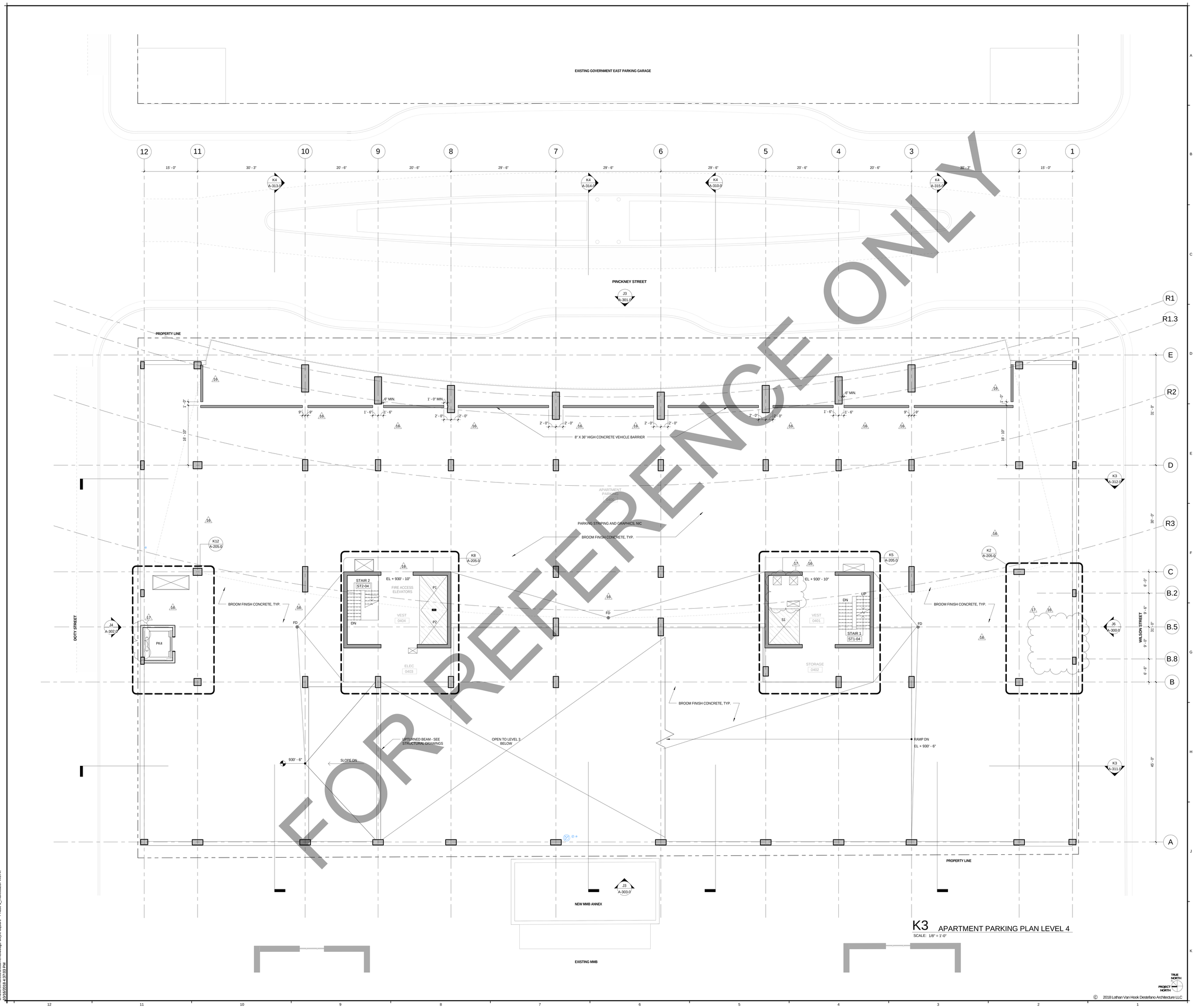

FOR REFERENCE ONLY

K3 APARTMENT PARKING PLAN LEVEL 4

SCALE: 1/8" = 1'-0"

General Notes

NOTE 1: CONSTRUCTION SHOWN HALF-TONE IS FOR INFORMATION ONLY - SUSEQUENT DEVELOPMENT UNDER SEPARATE CONTRACT

NOTE 2 : ALL EXTERIOR WALL ENCLOSURE IS NOT IN CONTRACT UNLESS OTHERWISE NOTED

LEGEND

N.I.C. — **CONSTRUCTION ITEMS FOR REFERENCE ONLY - NOT IN CONTRACT - SUBJECT TO SEPARATE PERMIT**

No.	Description	Date
17	BULLETIN #7	10/15/2018
16	FINAL BULLETIN #6	09/14/2018
15	BULLETIN #6	08/03/2018
9	BID DOCUMENTS	09/07/2017
7	ADDENDUM #2	07/28/2017
6	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
5	ISSUED FOR FINAL BID	06/23/2017
4	ISSUED FOR BID	06/16/2017
3	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
2	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017
1	ISSUED FOR SCHEMATIC DESIGN	02/03/2017

JUDGE DOYLE SQUARE - PODIUM

JUDGE DOYLE SQUARE

CITY OF MADISON

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS
MADISON | CHICAGO | ST. LOUIS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS
A WSP | PARSONS BRINCKERHOFF COMPANY

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

APARTMENT PARKING PLAN - LEVEL 4

Drawn	Date
Author	10/16/2018 4:37:03 PM
Checked By	**Drawing Number**
Checker	
Approved	
Approver	
Job Number	
217-1088	

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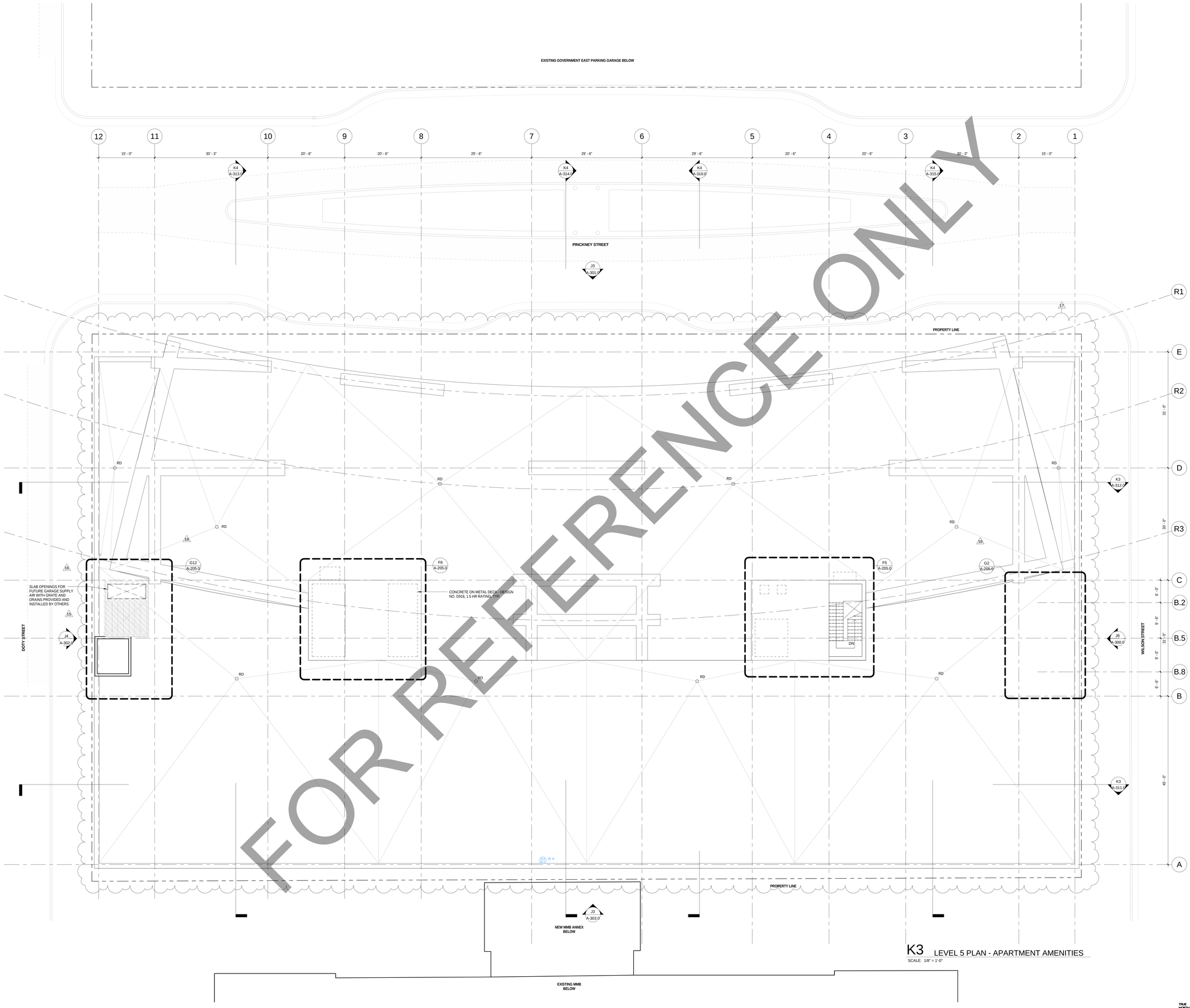

FOR REFERENCE ONLY

K3 LEVEL 5 PLAN - APARTMENT AMENITIES

SCALE: 1/8" = 1'-0"

General Notes

NOTE 1: CONSTRUCTION SHOWN HALF-TONE IS FOR INFORMATION ONLY - SUSEQUENT DEVELOPMENT UNDER SEPARATE CONTRACT

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LEGEND

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No.	Description	Date
17	BULLETIN #7	10/15/2018
16	FINAL BULLETIN #6	09/14/2018
15	BULLETIN #6	08/03/2018
9	BID DOCUMENTS	09/07/2017
6	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
5	ISSUED FOR FINAL BID	06/23/2017
4	ISSUED FOR BID	06/16/2017
3	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
2	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017
1	ISSUED FOR SCHEMATIC DESIGN	02/03/2017

JUDGE DOYLE SQUARE - PODIUM

JUDGE DOYLE SQUARE

CITY OF MADISON

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

LEVEL 5 PLAN - APARTMENT AMENITIES

Drawn	Date
Author	10/16/2018 1:24:38 PM
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Approved	
Approver	
Job Number	
217-1088	

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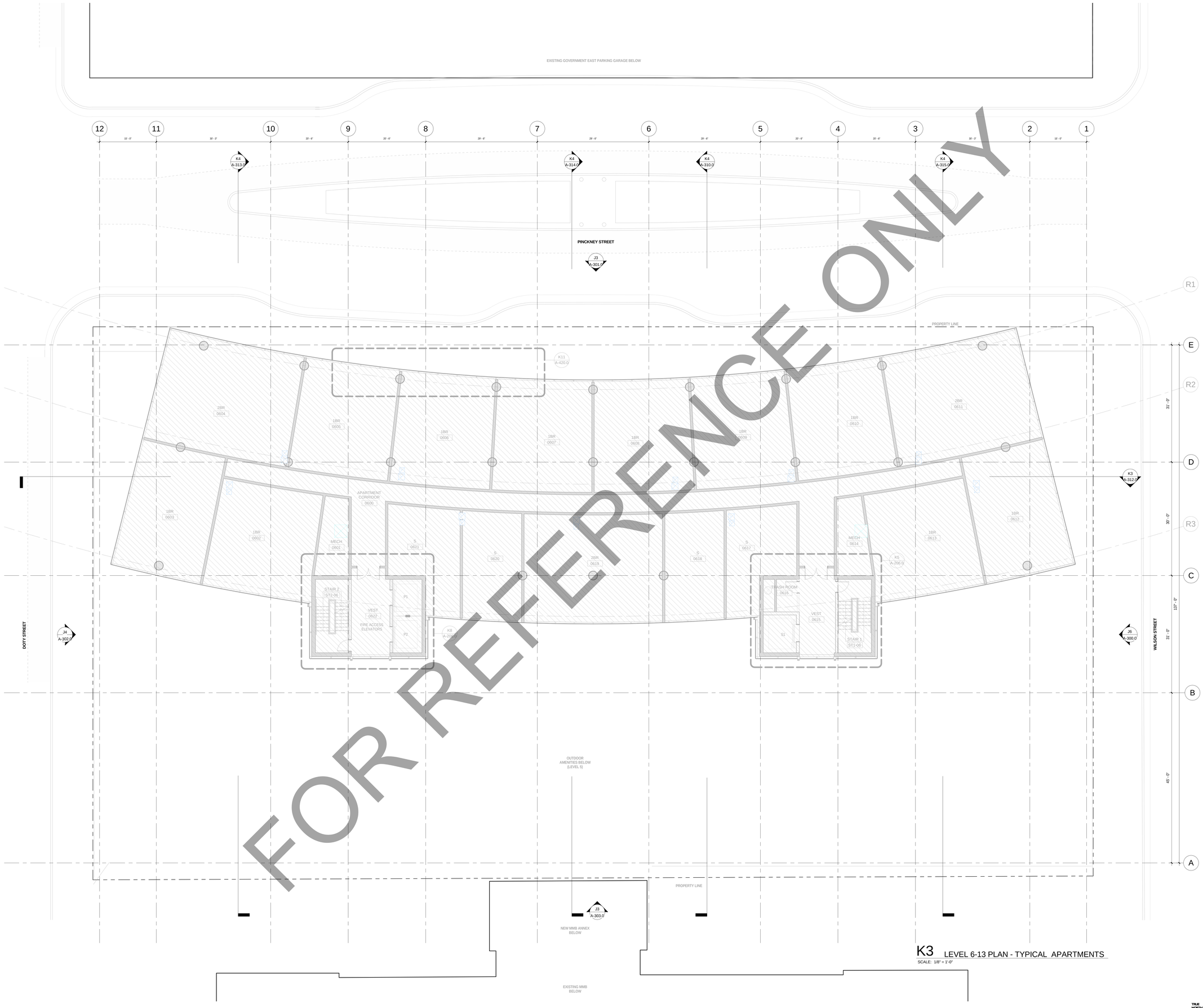

K3 LEVEL 6-13 PLAN - TYPICAL APARTMENTS

SCALE: 1/8" = 1'-0"

General Notes

NOTE 1: CONSTRUCTION SHOWN HALF-TONE IS FOR INFORMATION ONLY - SUSEQUENT PRIVATE DEVELOPMENT UNDER SEPARATE CONTRACT

LEGEND

N.I.C.	**CONSTRUCTION ITEMS FOR REFERENCE ONLY - NOT IN CONTRACT - SUBJECT TO SEPARATE PERMIT**

FOR REFERENCE ONLY

WISCONSIN JAMES R. DESTEFANO 3614-5 MADISON ARCHITECT

No.	Description	Date
9	BID DOCUMENTS	09/07/2017
6	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
5	ISSUED FOR FINAL BID	06/23/2017
4	ISSUED FOR BID	06/16/2017
3	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
2	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017
1	ISSUED FOR SCHEMATIC DESIGN	02/03/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

LEVEL 6-13 - TYPICAL APARTMENTS

Drawn	Date
Author	9/5/2017 11:21:20 AM
Checked By	**Drawing Number**
Checker	
Approved	
Approver	
Job Number	
215-1051	A-106.0

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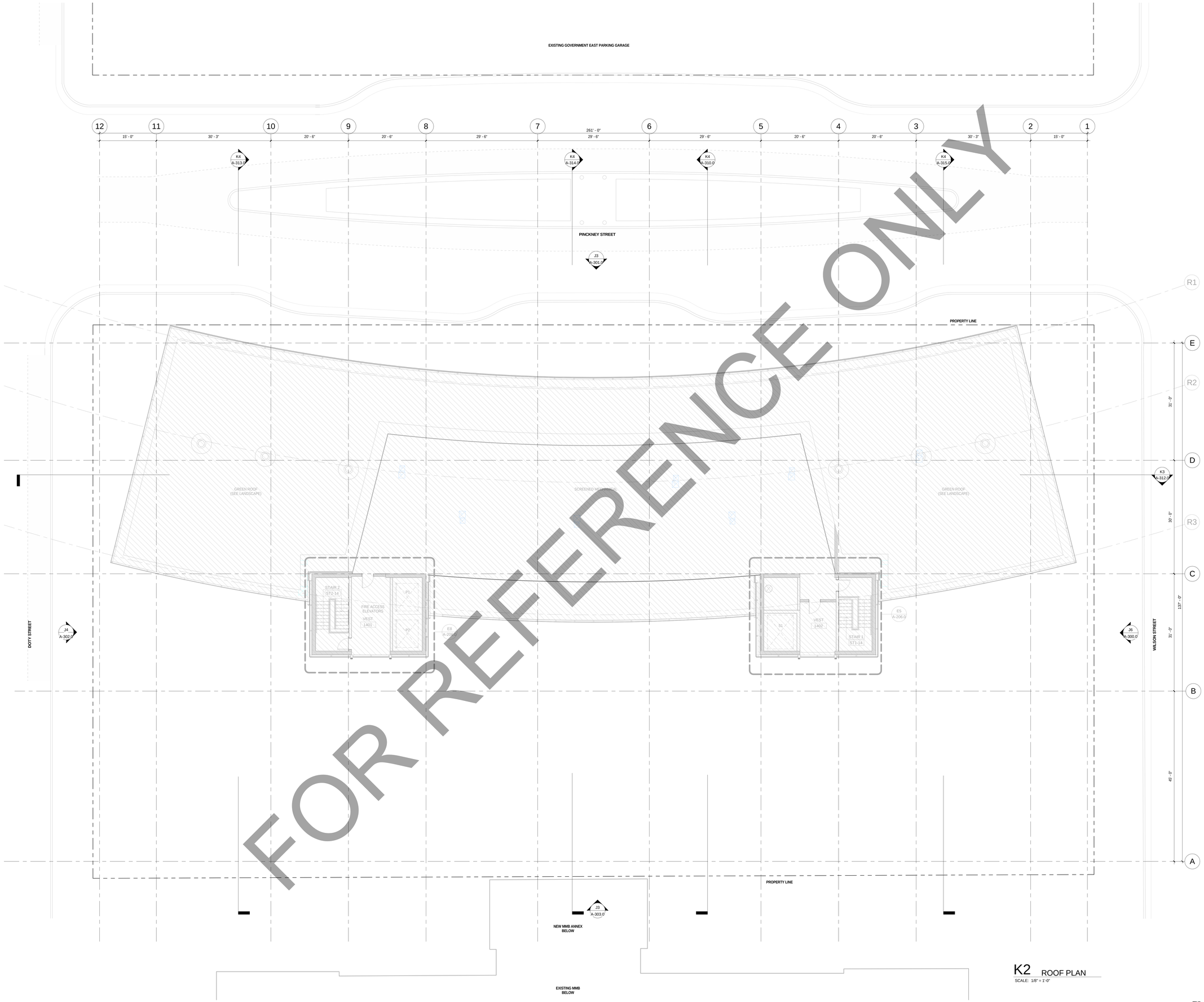

FOR REFERENCE ONLY

K2 ROOF PLAN

SCALE: 1/8" = 1'-0"

TRUE NORTH
PROJECT NORTH

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General Notes

NOTE 1: CONSTRUCTION SHOWN HALF-TONE IS FOR INFORMATION ONLY - SUSEQUENT PRIVATE DEVELOPMENT UNDER SEPARATE CONTRACT

LEGEND

N.I.C. — **CONSTRUCTION ITEMS FOR REFERENCE ONLY - NOT IN CONTRACT - SUBJECT TO SEPARATE PERMIT**

FOR REFERENCE ONLY

WISCONSIN JAMES R. DESTEFANO 3614-5 MADISON, WI ARCHITECT

No.	Description	Date
9	BID DOCUMENTS	09/07/2017
6	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
5	ISSUED FOR FINAL BID	06/23/2017
4	ISSUED FOR BID	06/16/2017
3	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
2	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017
1	ISSUED FOR SCHEMATIC DESIGN	02/03/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

ROOF PLAN

Drawn	Date
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Checked By	**Drawing Number**
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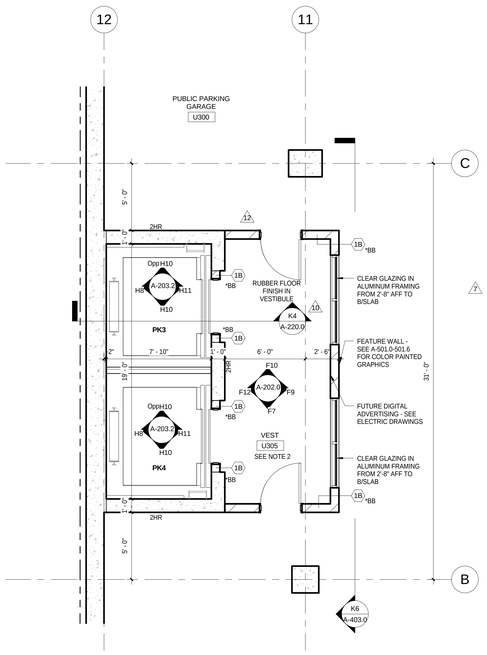
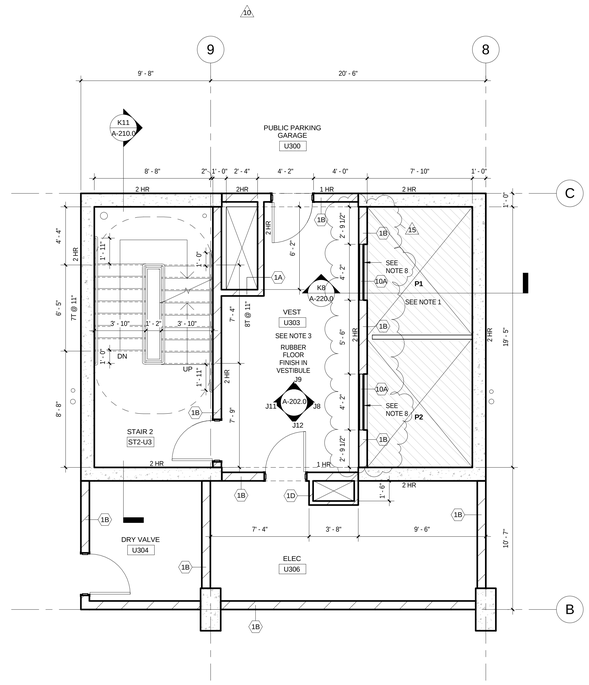
A-107.0



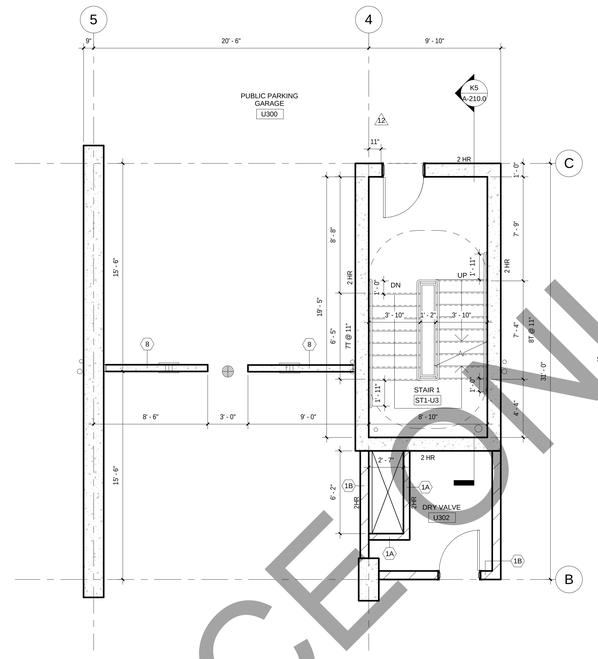
E12 UNDERGROUND PARKING PLAN LEVEL U3 - ENLARGED WEST CORE

SCALE: 1/4" = 1'-0"



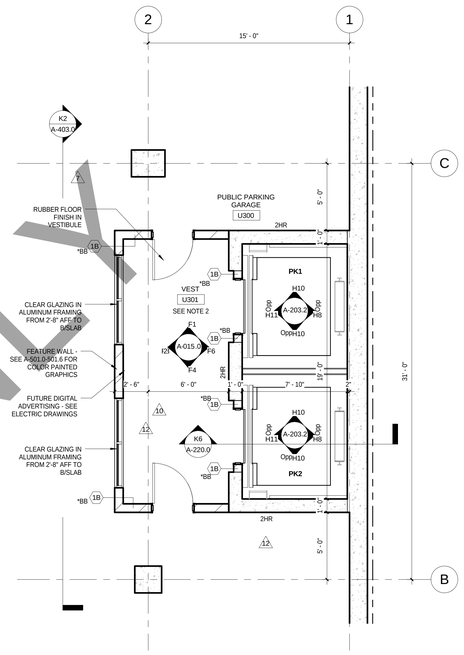
E8 UNDERGROUND PARKING PLAN LEVEL U3 - ENLARGED CENTER WEST CORE

SCALE: 1/4" = 1'-0"



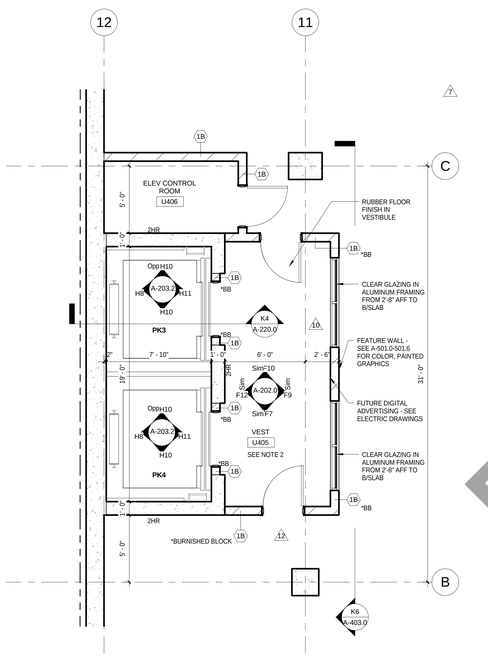
E5 UNDERGROUND PARKING PLAN LEVEL U3 - ENLARGED CENTER EAST CORE

SCALE: 1/4" = 1'-0"



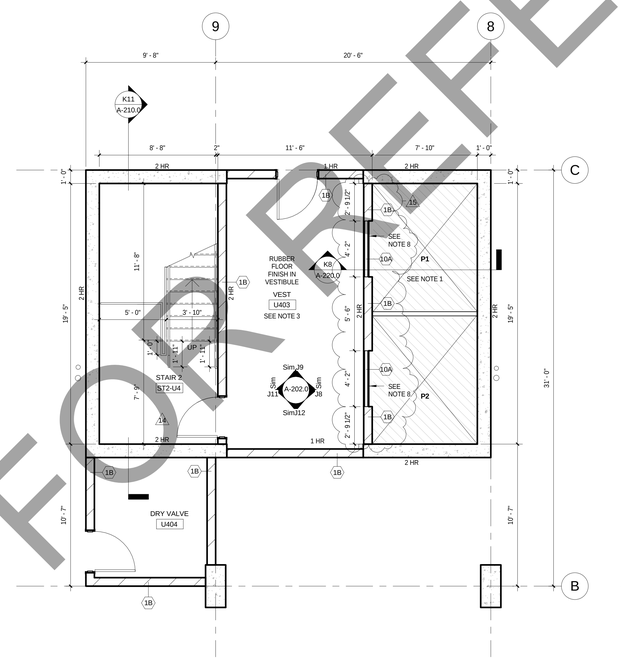
E3 UNDERGROUND PARKING PLAN LEVEL U3 - ENLARGED EAST CORE

SCALE: 1/4" = 1'-0"



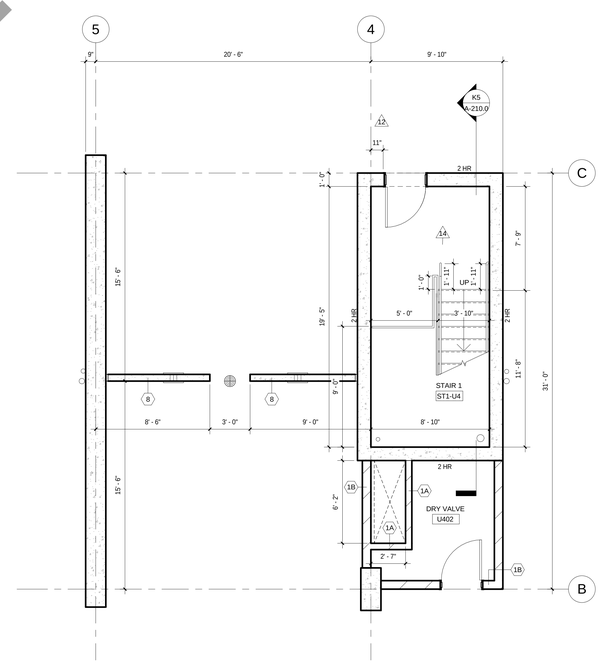
K12 UNDERGROUND PARKING PLAN LEVEL U4 - ENLARGED WEST CORE

SCALE: 1/4" = 1'-0"



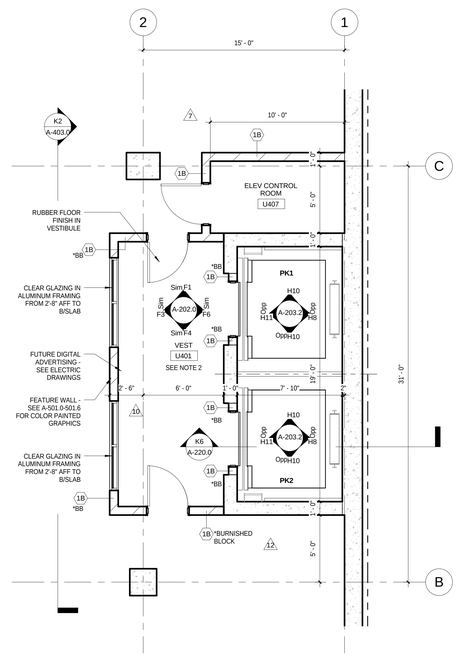
K8 UNDERGROUND PARKING PLAN LEVEL U4 - ENLARGED CENTER WEST CORE

SCALE: 1/4" = 1'-0"



K5 UNDERGROUND PARKING PLAN LEVEL U4 - ENLARGED CENTER EAST CORE

SCALE: 1/4" = 1'-0"



K3 UNDERGROUND PARKING PLAN LEVEL U4 - ENLARGED EAST CORE

SCALE: 1/4" = 1'-0"

FOR REFERENCE ONLY

General Notes

NOTE 1: P1 AND P2 ARE FIRE ACCESS ELEVATORS AND ENTRIES TO BE INSTALLED WITH ABOVE-GRADE TOWER PROVIDE 2 HR SHAFT WALL IF REQUIRED FOR TEMPORARY OPENING'S CLOSURE

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NOTE 3: FIRE SERVICE ELEVATOR LOBBY PER IBC 3007.6.

NOTE 4: CONSTRUCTION SHOWN HALF-TONE IS FOR INFORMATION ONLY - SUSEQUENT DEVELOPMENT UNDER SEPARATE CONTRACT

NOTE 5: FOR FINISHES SCHEDULE, SEE A-501.0

NOTE 6: SEE ARCHITECTURAL FLOOR PLANS FOR VESTIBULE HIGH POINT ELEVATION

NOTE 7 : ALL EXTERIOR WALL ENCLOSURE IS NOT IN CONTRACT, UNLESS OTHERWISE NOTED

NOTE 8 : TEMPORARY 2HR DRYWALL CLOSURE - FUTURE ELEVATOR HOISTWAY BY OTHERS

LEGEND

N.I.C. — **CONSTRUCTION ITEMS FOR REFERENCE ONLY - NOT IN CONTRACT - SUBJECT TO SEPARATE PERMIT**

No.	Description	Date
15	BULLETIN #6	08/03/2018
14	BULLETIN #5	05/14/2018
12	BULLETIN #3	03/05/2018
10	BULLETIN #1	11/08/2017
9	BID DOCUMENTS	09/07/2017
7	ADDENDUM #2	07/28/2017
6	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
5	ISSUED FOR FINAL BID	06/23/2017
4	ISSUED FOR BID	06/16/2017
3	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
2	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017
1	ISSUED FOR SCHEMATIC DESIGN	02/03/2017

JUDGE DOYLE SQUARE - PODIUM

JUDGE DOYLE SQUARE

CITY OF MADISON

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
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STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE

Drawing Title

ENLARGED CORE PLANS - LEVEL U3, U4

Drawn	Date
Author	8/3/2018 5:31:36 PM
Checked By	**Drawing Number**
Checker	
Approved	
Approver	
Job Number	
217-1088	

A-200.0

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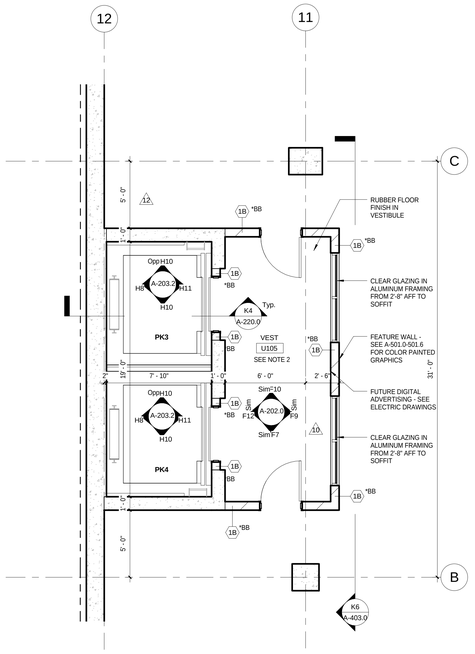
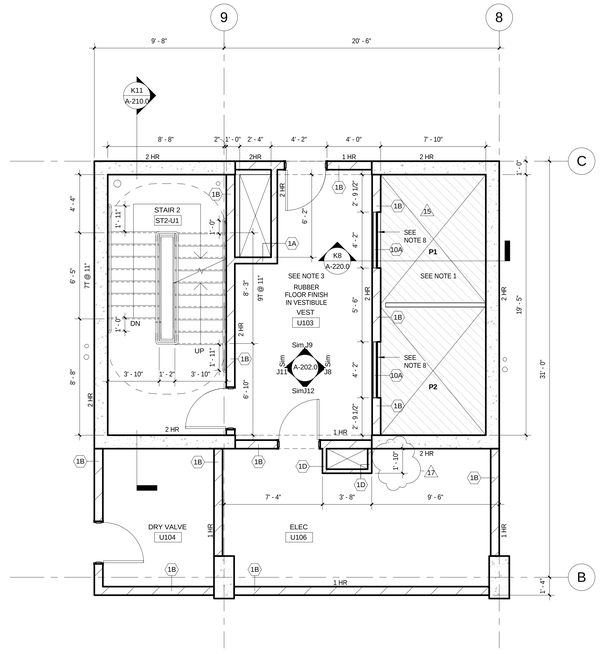


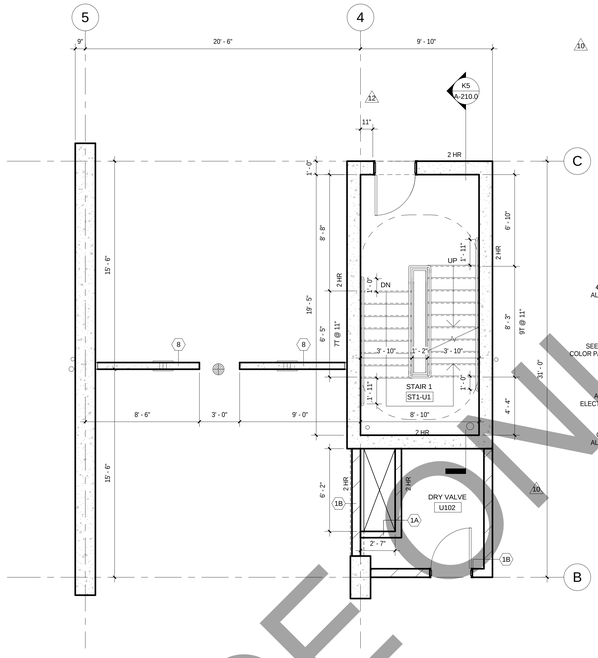
D12 UNDERGROUND PARKING PLAN LEVEL U1 - ENLARGED WEST CORE

SCALE: 1/4" = 1'-0"



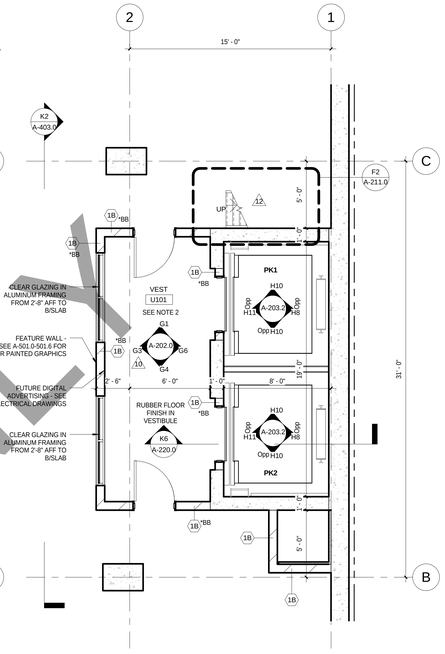
D8 UNDERGROUND PARKING PLAN LEVEL U1 - ENLARGED CENTER WEST CORE

SCALE: 1/4" = 1'-0"



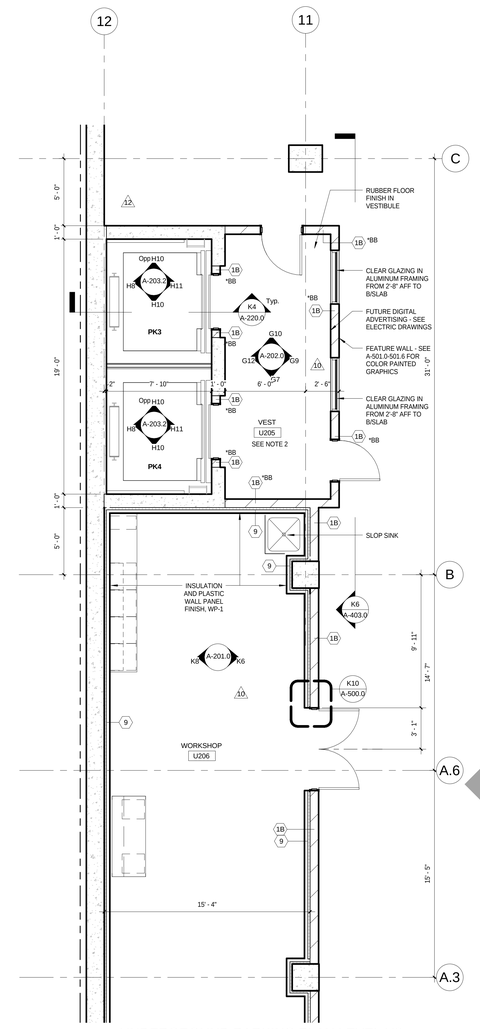
D5 UNDERGROUND PARKING PLAN LEVEL U1 - ENLARGED CENTER EAST CORE

SCALE: 1/4" = 1'-0"



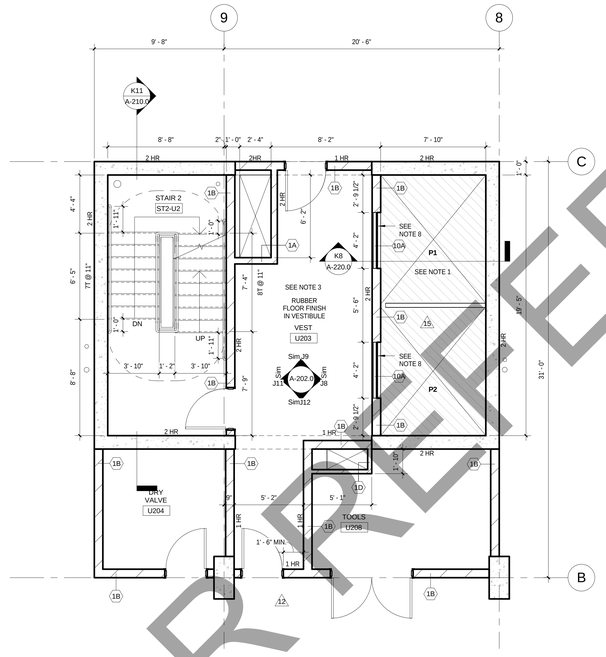
D3 UNDERGROUND PARKING PLAN LEVEL U1 - ENLARGED EAST CORE

SCALE: 1/4" = 1'-0"



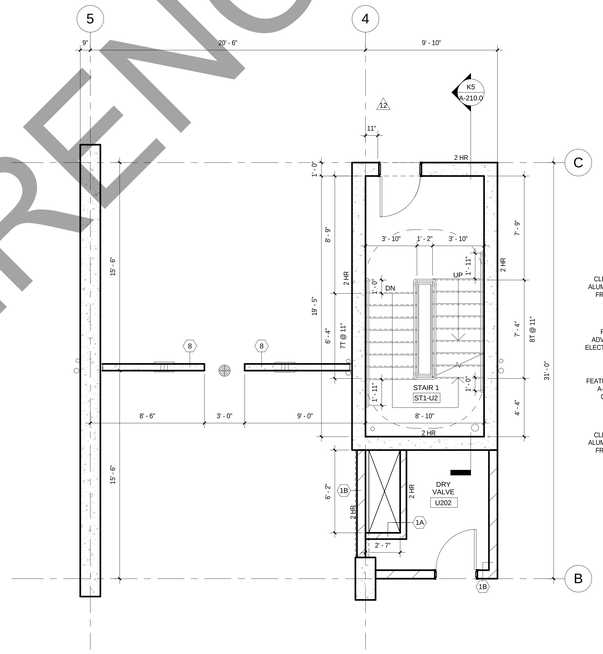
K12 UNDERGROUND PARKING PLAN LEVEL U2 - ENLARGED WEST CORE

SCALE: 1/4" = 1'-0"



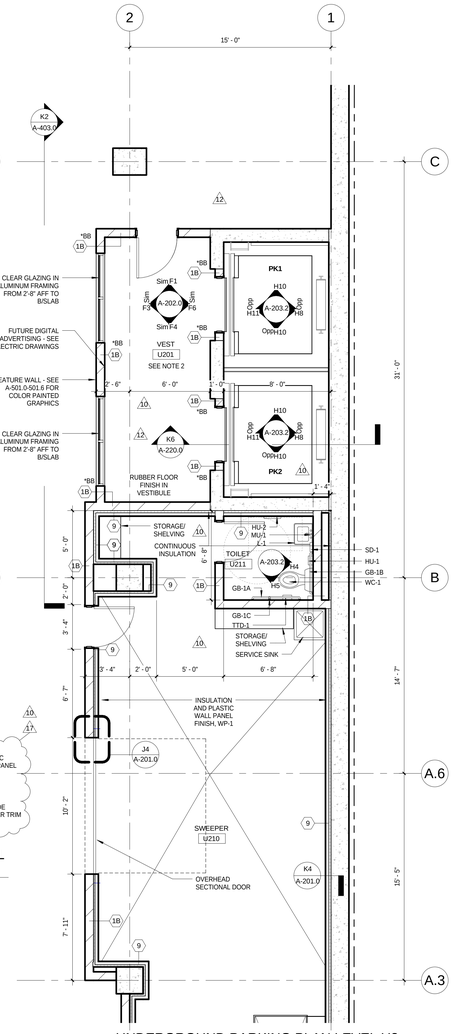
H8 UNDERGROUND PARKING PLAN LEVEL U2 - ENLARGED CENTER WEST CORE

SCALE: 1/4" = 1'-0"



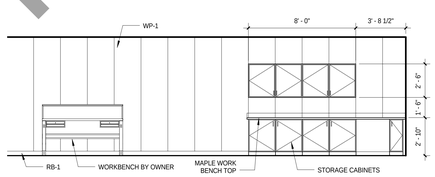
H5 UNDERGROUND PARKING PLAN LEVEL U2 - ENLARGED CENTER EAST CORE

SCALE: 1/4" = 1'-0"



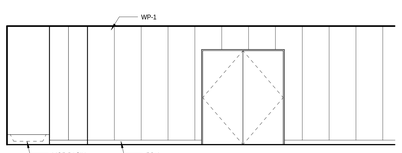
K3 UNDERGROUND PARKING PLAN LEVEL U2 - ENLARGED EAST CORE

SCALE: 1/4" = 1'-0"



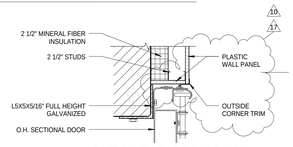
K8 WORKSHOP NORTH ELEVATION

SCALE: 1/4" = 1'-0"



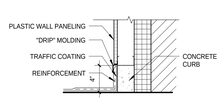
K6 WORKSHOP SOUTH ELEVATION

SCALE: 1/4" = 1'-0"



J4 OVERHEAD SECTIONAL DOOR JAMB DETAIL

SCALE: 1 1/2" = 1'-0"



K4 SWEEP WALL PANEL DETAIL

SCALE: 1 1/2" = 1'-0"

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LEGEND

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NOTES FOR FIXTURES & ACCESSORIES

1. WC-1 WATER CLOSETS (SEE SPEC SECTION 22 40 00)
2. L-1 LAVATORIES (SEE SPEC SECTION 22 40 00)
3. JS-1 JANITOR'S SINK (SEE SPEC SECTION 22 40 00)
4. S-1 SINKS (SEE SPEC SECTION 22 40 00)
5. GB-1A HORIZONTAL GRAB BAR - 36" (SEE SPEC SECTION 10 28 00)
6. GB-1B HORIZONTAL GRAB BAR - 42" (SEE SPEC SECTION 10 28 00)
7. GB-1C VERTICAL GRAB BAR - 18" (SEE SPEC SECTION 10 28 00)
8. HU-1 SANITARY DISPOSAL (SEE SPEC SECTION 10 28 00)
9. HU-2 PAPER TOWEL DISPENSER / WASTE (SEE SPEC SECTION 10 28 00)
10. TTD-1 TOILET PAPER DISPENSER (SEE SPEC SECTION 10 28 00)
11. MU-1 TILTED MIRROR (SEE SPEC SECTION 10 28 00)
12. MB-1 MOP + BROOM HOLDER (SEE SPEC SECTION 10 28 00)
13. US-1 UTILITY SHELF (SEE SPEC SECTION 10 28 00)
14. SD-1 SOAP DISPENSER (BOBRICK B-2112)

No.	Description	Date
17	BULLETIN #7	10/15/2018
15	BULLETIN #6	08/03/2018
12	BULLETIN #3	03/05/2018
10	BULLETIN #1	11/08/2017
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JUDGE DOYLE SQUARE - PODIUM

JUDGE DOYLE SQUARE

CITY OF MADISON

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE

Drawing Title

ENLARGED CORE PLANS - LEVEL U1, U2

Drawn	Date
Author	10/15/2018 3:52:14 PM
Checked By	**Drawing Number**
Checker	A-201.0
Approved	
Approver	
Job Number	
217-1088	

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FOR REFERENCE ONLY

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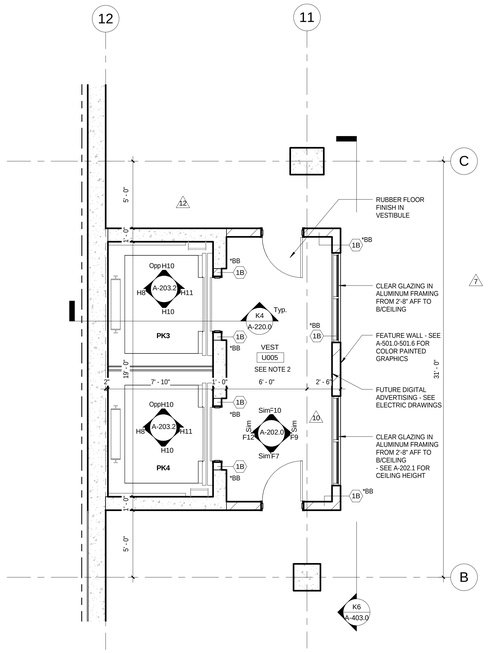
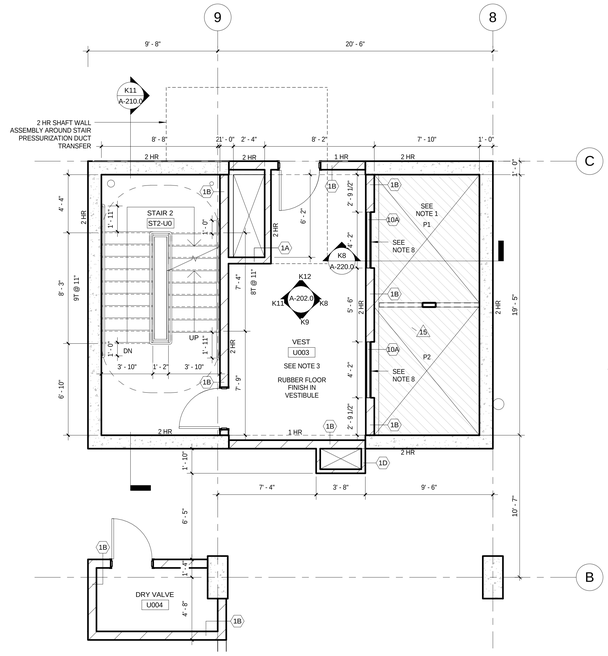
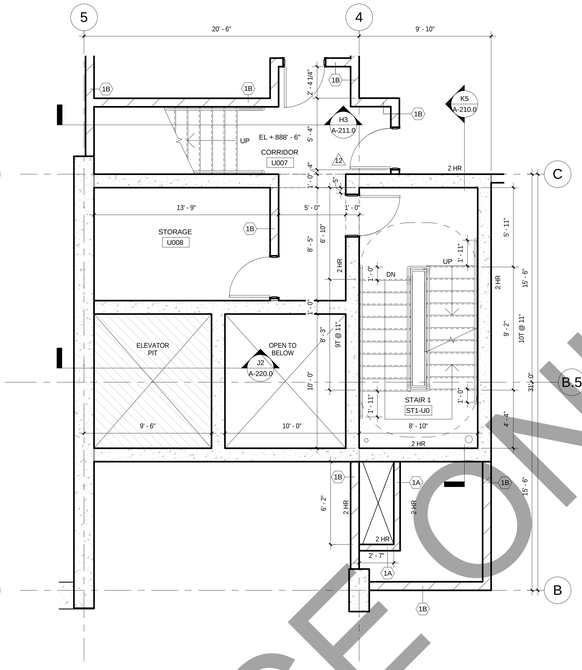


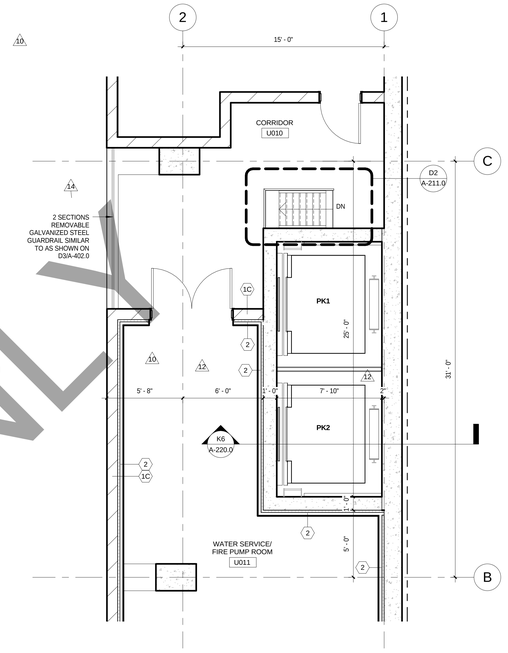
D12 UNDERGROUND PARKING PLAN LEVEL U0 - ENLARGED WEST CORE
SCALE: 1/4" = 1'-0"



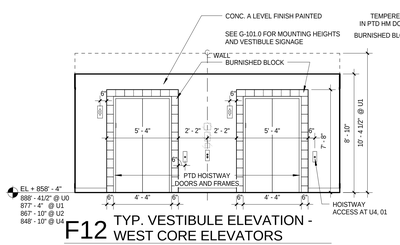
D9 UNDERGROUND PARKING PLAN LEVEL U0 - ENLARGED CENTER WEST CORE
SCALE: 1/4" = 1'-0"



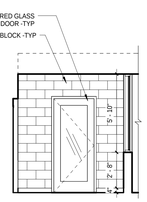
D6 UNDERGROUND PARKING PLAN LEVEL U0 - ENLARGED CENTER EAST CORE
SCALE: 1/4" = 1'-0"



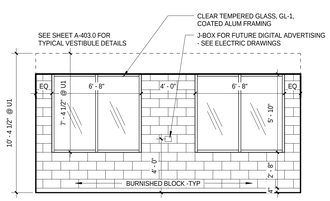
D3 UNDERGROUND PARKING PLAN LEVEL U0 - ENLARGED EAST CORE
SCALE: 1/4" = 1'-0"



F12 TYP. VESTIBULE ELEVATION - WEST CORE ELEVATORS
SCALE: 1/4" = 1'-0"



F10 TYP. VEST - WEST CORE
SCALE: 1/4" = 1'-0"



F9 TYP. VESTIBULE ELEVATION - WEST CORE
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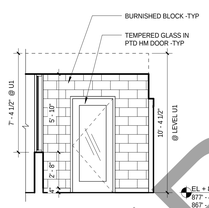
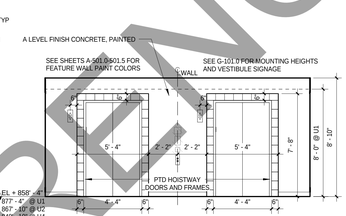
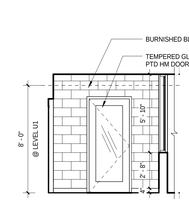


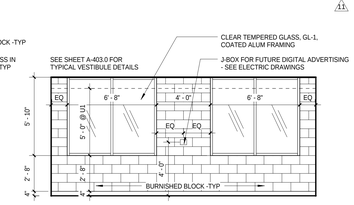
F7 TYP. VEST - WEST CORE
SCALE: 1/4" = 1'-0"



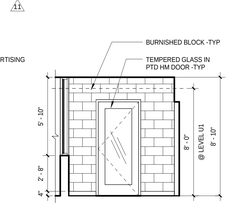
F6 TYP. VESTIBULE ELEVATION - EAST CORE ELEVATORS
SCALE: 1/4" = 1'-0"



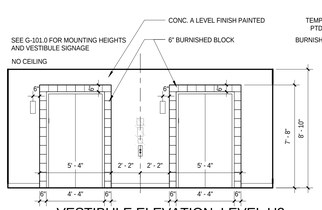
F4 TYP. VEST - EAST CORE
SCALE: 1/4" = 1'-0"



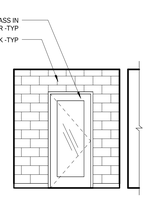
F3 TYP. VESTIBULE ELEVATION - EAST CORE
SCALE: 1/4" = 1'-0"



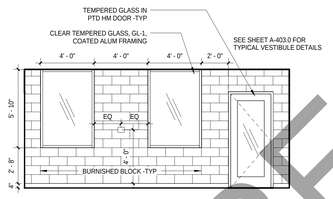
F1 TYP. VEST - EAST CORE
SCALE: 1/4" = 1'-0"



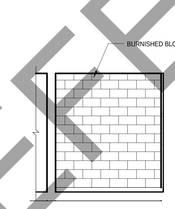
G12 VESTIBULE ELEVATION, LEVEL U2 - WEST CORE ELEVATORS
SCALE: 1/4" = 1'-0"



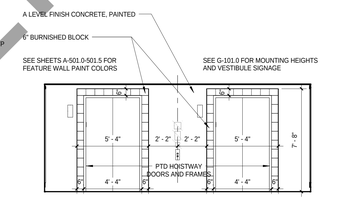
G10 U2 VEST - WEST CORE
SCALE: 1/4" = 1'-0"



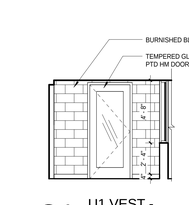
G9 VESTIBULE ELEVATION, LEVEL U2 - WEST CORE
SCALE: 1/4" = 1'-0"



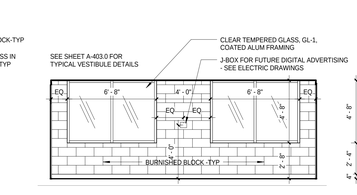
G7 U2 VEST - WEST CORE
SCALE: 1/4" = 1'-0"



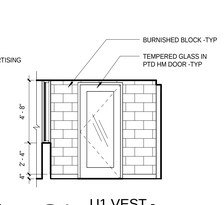
G6 VESTIBULE ELEVATION, LEVEL U1 - EAST CORE ELEVATORS
SCALE: 1/4" = 1'-0"



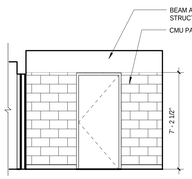
G4 U1 VEST - EAST CORE
SCALE: 1/4" = 1'-0"



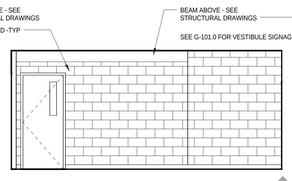
G3 VESTIBULE ELEVATION, LEVEL U1 - EAST CORE
SCALE: 1/4" = 1'-0"



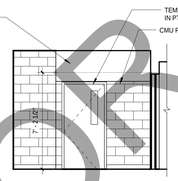
G1 U1 VEST - EAST CORE
SCALE: 1/4" = 1'-0"



J12 TYP. VEST - CENTER WEST
SCALE: 1/4" = 1'-0"



J11 TYP. VESTIBULE ELEVATION - CENTER WEST CORE
SCALE: 1/4" = 1'-0"



J9 TYP. VEST - CENTER WEST
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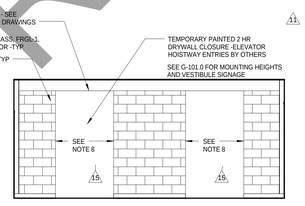
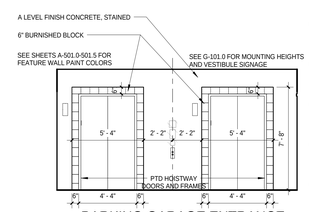
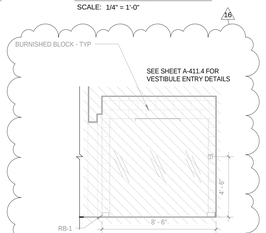


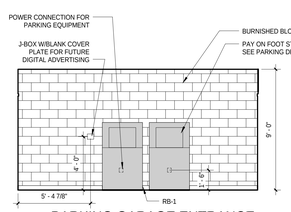
J8 TYP. VESTIBULE ELEVATION - CENTER WEST ELEVATORS
SCALE: 1/4" = 1'-0"



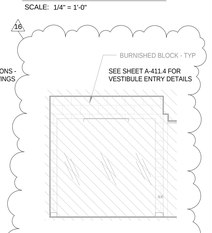
J6 PARKING GARAGE ENTRANCE VESTIBULE - LEVEL 1 WILSON ST
SCALE: 1/4" = 1'-0"



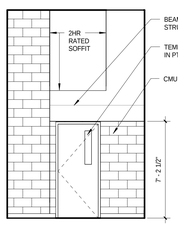
J4 ENTRY VEST - LEVEL 1
SCALE: 1/4" = 1'-0"



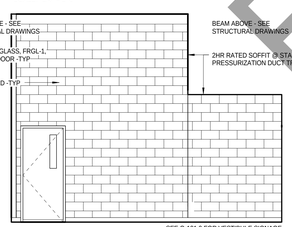
J3 PARKING GARAGE ENTRANCE VESTIBULE - LEVEL 1 WILSON ST
SCALE: 1/4" = 1'-0"



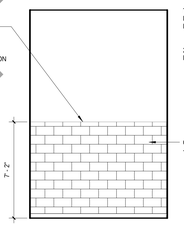
J1 ENTRY VEST - LEVEL 1
SCALE: 1/4" = 1'-0"



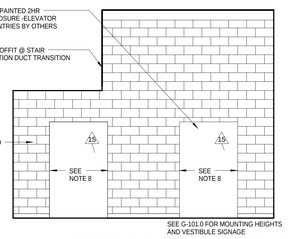
K12 LEVEL U0 VEST - CENTER WEST
SCALE: 1/4" = 1'-0"



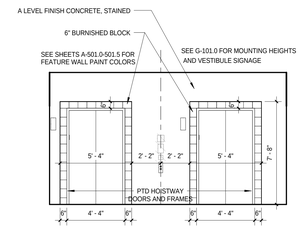
K11 VESTIBULE ELEVATION, LEVEL U0 - CENTER WEST CORE
SCALE: 1/4" = 1'-0"



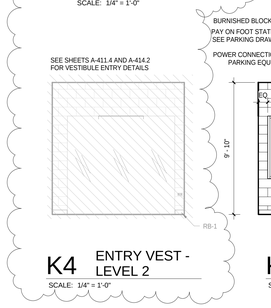
K9 LEVEL U0 VEST - CENTER WEST
SCALE: 1/4" = 1'-0"



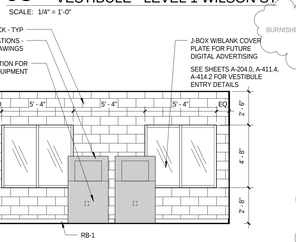
K8 VESTIBULE ELEVATION, LEVEL U0 - CENTER WEST ELEVATORS
SCALE: 1/4" = 1'-0"



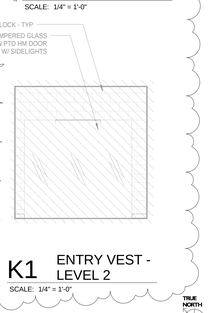
K6 PARKING GARAGE ENTRANCE VESTIBULE - LEVEL 2 DOTY ST
SCALE: 1/4" = 1'-0"



K4 ENTRY VEST - LEVEL 2
SCALE: 1/4" = 1'-0"



K3 PARKING GARAGE ENTRANCE VESTIBULE - LEVEL 2 DOTY ST
SCALE: 1/4" = 1'-0"



K1 ENTRY VEST - LEVEL 2
SCALE: 1/4" = 1'-0"

FOR REFERENCE ONLY

General Notes

NOTE 1: P1 AND P2 ARE FIRE ACCESS ELEVATORS AND ENTRIES TO BE INSTALLED WITH ABOVE-GRADE TOWER PROVIDE 2 HR SHAFT WALL IF REQUIRED FOR TEMPORARY OPENING'S CLOSURE

NOTE 2: PARKING ELEVATOR LOBBIES TO BE SMOKE PROTECTED PER IBC 3006.3.2.

NOTE 3: FIRE SERVICE ELEVATOR LOBBY PER IBC 3007.6.

NOTE 4: CONSTRUCTION SHOWN HALF-TONE IS FOR INFORMATION ONLY - SUBSEQUENT DEVELOPMENT UNDER SEPARATE CONTRACT

NOTE 5: FOR FINISHES SCHEDULE, SEE A-501.0

NOTE 6: SEE ARCHITECTURAL FLOOR PLANS FOR VESTIBULE HIGH POINT ELEVATION

NOTE 7: ALL EXTERIOR WALL ENCLOSURE IS NOT IN CONTRACT, UNLESS OTHERWISE NOTED

NOTE 8: TEMPORARY 2HR DRYWALL CLOSURE - FUTURE ELEVATOR HOISTWAY BY OTHERS

LEGEND

N.I.C. — **CONSTRUCTION ITEMS FOR REFERENCE ONLY - NOT IN CONTRACT - SUBJECT TO SEPARATE PERMIT**

No.	Description	Date
16	FINAL BULLETIN #6	09/14/2018
15	BULLETIN #6	08/03/2018
14	BULLETIN #5	05/14/2018
12	BULLETIN #3	03/05/2018
11	BULLETIN #2	12/07/2017
10	BULLETIN #1	11/08/2017
9	BID DOCUMENTS	09/07/2017
7	ADDENDUM #2	07/28/2017
6	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
5	ISSUED FOR FINAL BID	06/23/2017
4	ISSUED FOR BID	06/16/2017
3	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
2	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017
1	ISSUED FOR SCHEMATIC DESIGN	02/03/2017

JUDGE DOYLE SQUARE - PODIUM

JUDGE DOYLE SQUARE

CITY OF MADISON

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE

Drawing Title

ENLARGED CORE PLANS - LEVEL U0

Drawn	**Date**
Author	9/14/2018 6:02:06 PM
Checked By	**Drawing Number**
Checker	
Approved	
Approver	
Job Number	
217-1088	

A-202.0

TRUE NORTH
PROJECT NORTH

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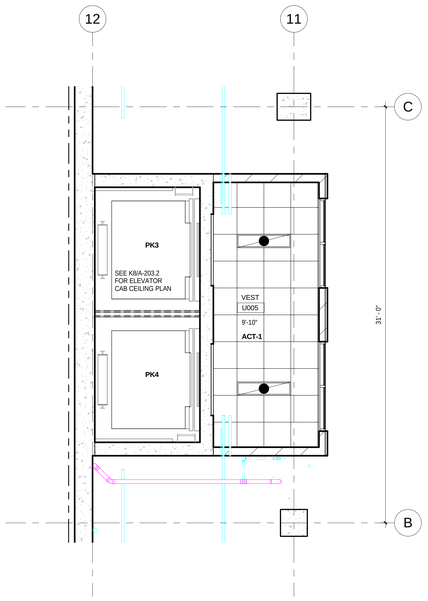
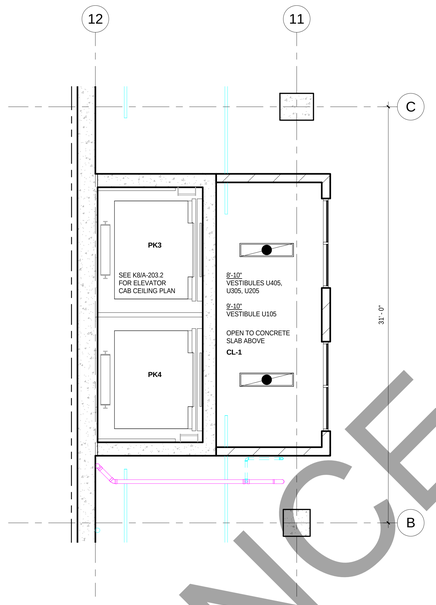


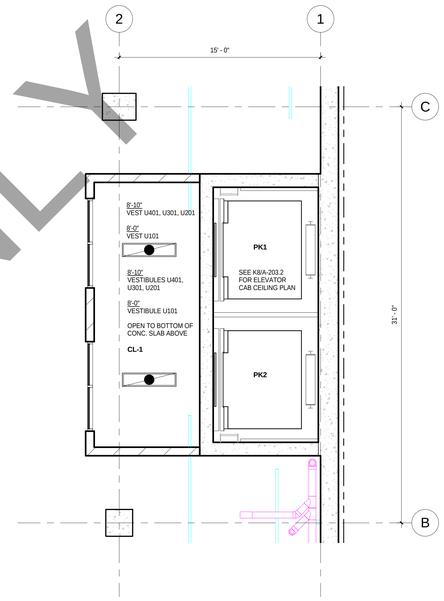
E11 VEST U005 REFLECTED CEILING PLAN - ENLARGED WEST CORE

SCALE: 1/4" = 1'-0"



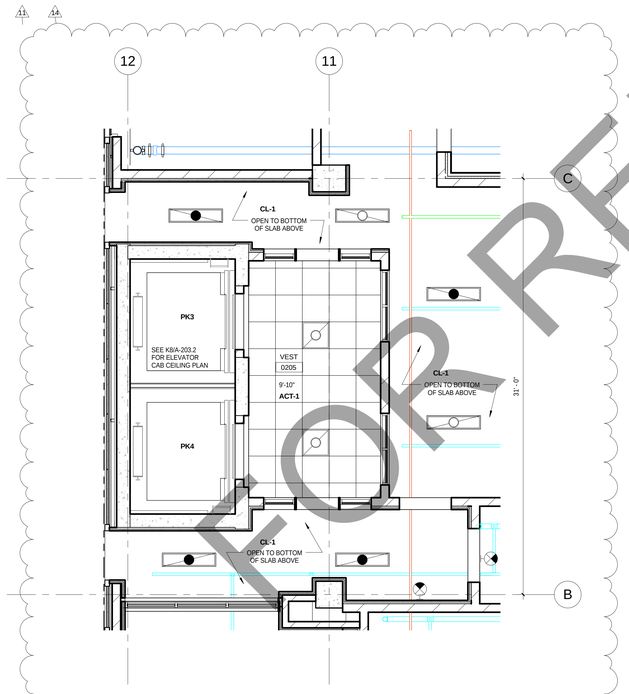
E9 TYPICAL REFLECTED CEILING PLAN - ENLARGED WEST CORE

SCALE: 1/4" = 1'-0"



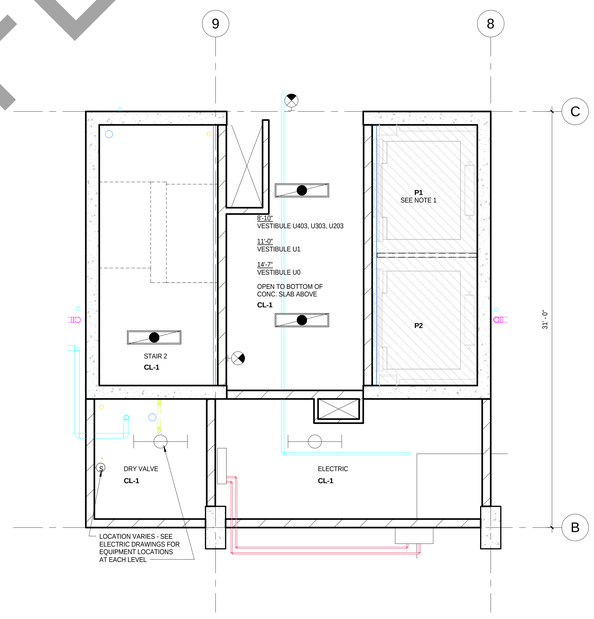
E2 TYPICAL REFLECTED CEILING PLAN - ENLARGED EAST CORE

SCALE: 1/4" = 1'-0"



K10 REFLECTED CEILING PLAN - LEVEL 2 - DOTY STREET VESTIBULE

SCALE: 1/4" = 1'-0"



E5 TYPICAL REFLECTED CEILING PLAN - ENLARGED CENTER WEST CORE

SCALE: 1/4" = 1'-0"

REFLECTED CEILING PLAN LEGEND

- 2'x4' LED LIGHT FIXTURE
- PENDANT/SUSPENDED LINEAR FIXTURE
- LINEAR LED LIGHT FIXTURE
- J-BOX FOR CEILING MOUNTED FIXTURE
- J-BOX FOR WALL MOUNTED FIXTURE
- WALL MOUNTED FIXTURE
- CHANDELIER OR PENDANT LIGHT FIXTURE
- SURFACE MOUNTED LIGHT FIXTURE
- RECESSED DOWN LIGHT
- RECESSED DOWN LIGHT DIRECTIONAL
- BOXED CAN FIXTURE
- CEILING MOUNTED SMOKE DETECTOR
- WALL MOUNTED SMOKE DETECTOR
- EXIT SIGN
- EXHAUST FAN
- SUPPLY REGISTER
- RETURN AIR GRILLE
- STRIP FLUORESCENT LIGHT FIXTURE
- OCCUPANCY SENSOR
- WALL MOUNTED OCCUPANCY SENSOR
- 2X2 LED LIGHT FIXTURE (14)

NOTE:

1. CONTRACTORS TO PROVIDE AND INSTALL ALL CEILING SYSTEMS AS INDENTIFIED ON THE PLAN, TO MEET ALL SEIZMIC CEILING REQUIREMENTS PER NATIONAL, STATE AND LOCAL CODES.
2. USE MOISTURE RESISTANT GYP. BD. CEILING IN ALL GUESTROOM BATH AND PUBLIC RESTROOMS
3. FOR CEILING HEIGHTS REFER TO REFLECTED CEILING PLANS

TRUE NORTH

PROJECT NORTH

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FOR REFERENCE ONLY

General Notes

NOTE 1: P1 AND P2 ARE FIRE ACCESS ELEVATORS AND ENTRIES TO BE INSTALLED WITH ABOVE-GRADE TOWER PROVIDE 2 HR SHAFT WALL IF REQUIRED FOR TEMPORARY OPENING'S CLOSURE

NOTE 2: PARKING ELEVATOR LOBBIES TO BE SMOKE PROTECTED PER IBS 3006.3.2.

NOTE 3: FIRE SERVICE ELEVATOR LOBBY PER IBC 3007.6.

NOTE 4: CONSTRUCTION SHOWN HALF-TONE IS FOR INFORMATION ONLY - SUSEQUENT PRIVATE DEVELOPMENT UNDER SEPARATE CONTRACT

NOTE 5: FOR FINISHES SCHEDULE, SEE A-501.0

NOTE 6: SEE ARCHITECTURAL FLOOR PLANS FOR VESTIBULE HIGH POINT ELEVATION

LEGEND

N.I.C. — **CONSTRUCTION ITEMS FOR REFERENCE ONLY - NOT IN CONTRACT - SUBJECT TO SEPARATE PERMIT**

WISCONSIN JAMES R. DESTEFANO 3614-5 MADISON, WI ARCHITECT

No.	Description	Date
14	BULLETIN #5	05/14/2018
11	BULLETIN #2	12/07/2017
9	BID DOCUMENTS	09/07/2017
7	ADDENDUM #2	07/28/2017
6	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
5	ISSUED FOR FINAL BID	06/23/2017
4	ISSUED FOR BID	06/16/2017
3	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

TYPICAL VESTIBULE REFLECTED CEILING PLANS

Drawn	Date
Author	5/14/2018 10:33:13 AM
Checked By	**Drawing Number**
Checker	A-202.1
Approved	
Approver	
Job Number	
216-1066	

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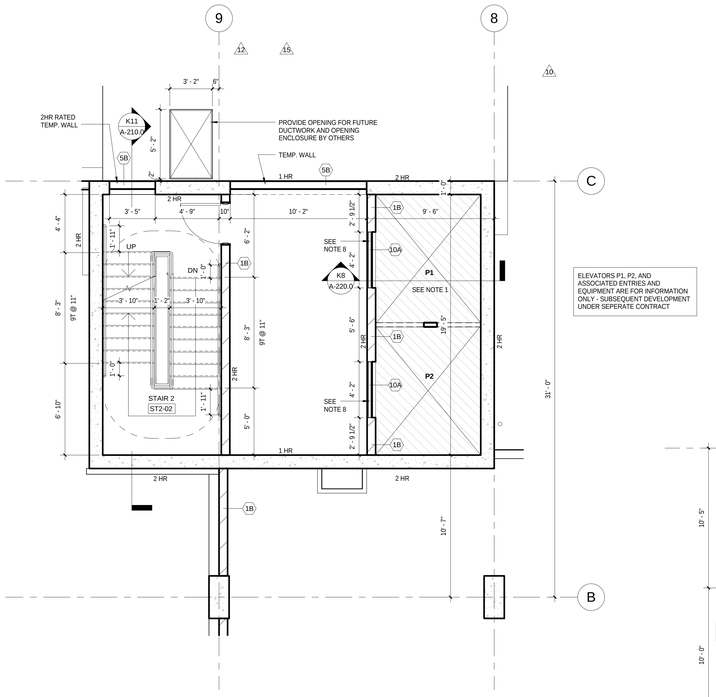
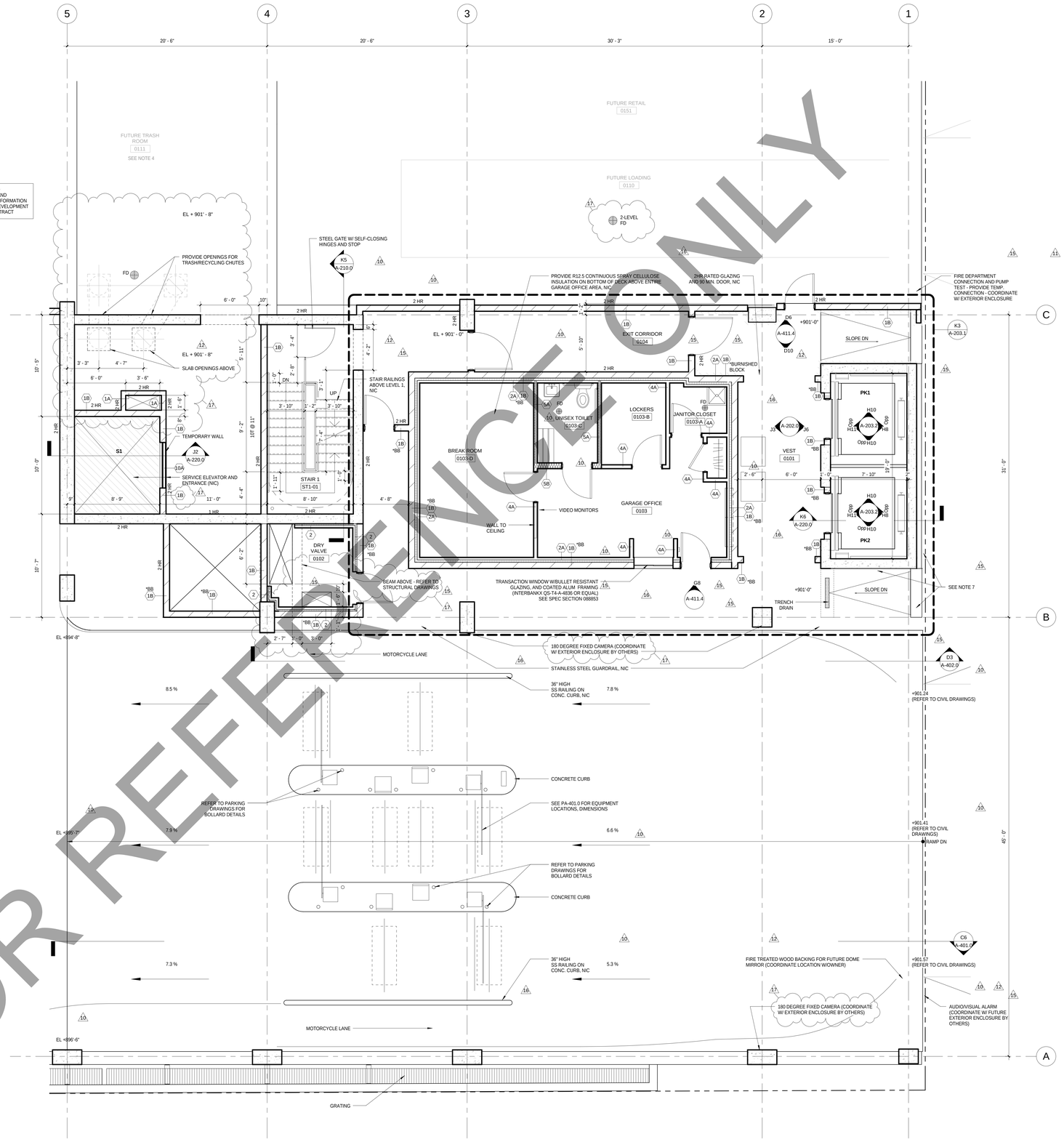
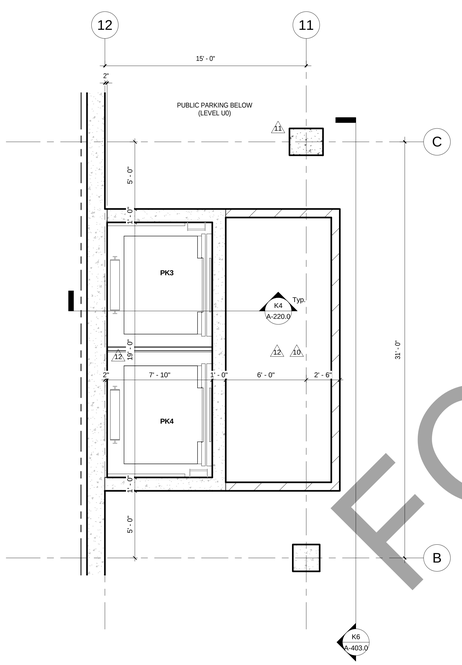


E11 LEVEL 1.5 - PINCKNEY STREET ENTRANCE - ENLARGED CENTER WEST CORE

SCALE: 1/4" = 1'-0"





K11 LEVEL 1 PLAN - ENLARGED WEST CORE

SCALE: 1/4" = 1'-0"

K3 LEVEL 1 PLAN - WILSON STREET ENTRANCE - ENLARGED CENTER EAST CORE

SCALE: 1/4" = 1'-0"

FOR REFERENCE ONLY

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LEGEND

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No.	Description	Date
17	BULLETIN #7	10/15/2018
16	FINAL BULLETIN #6	09/14/2018
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12	BULLETIN #3	03/05/2018
11	BULLETIN #2	12/07/2017
10	BULLETIN #1	11/08/2017
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2	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017
1	ISSUED FOR SCHEMATIC DESIGN	02/03/2017

JUDGE DOYLE SQUARE - PODIUM

JUDGE DOYLE SQUARE

CITY OF MADISON

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE

Drawing Title

ENLARGED CORE PLANS - LEVEL 1

Drawn	Date
Author	10/16/2018 5:01:42 PM
Checked By	Drawing Number
Checker	A-203.0
Approved	
Approver	
Job Number	
217-1088	

TRUE NORTH / PROJECT NORTH

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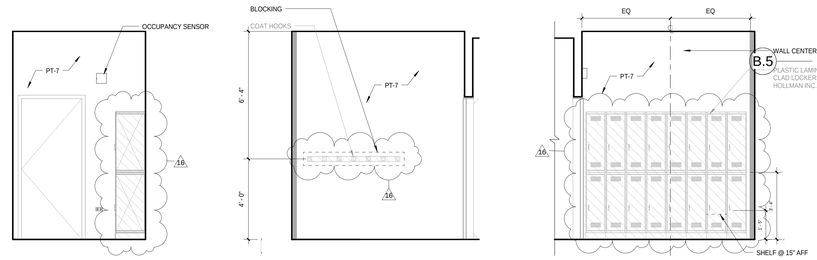
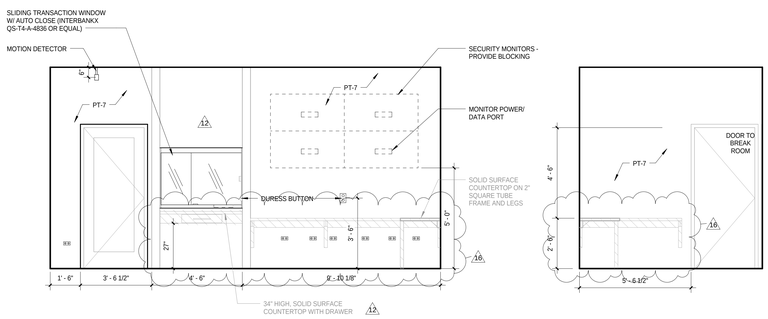


D12 LOCKERS WEST ELEVATION
SCALE: 3/8" = 1'-0"

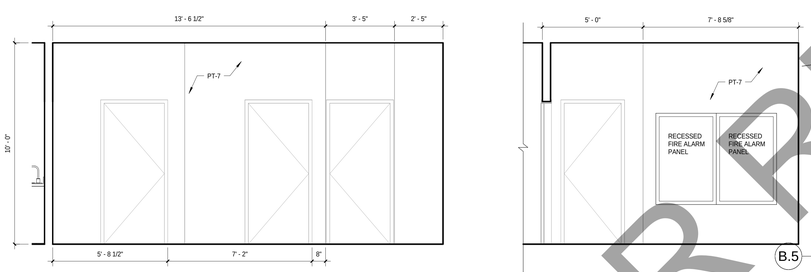
D10 LOCKERS SOUTH ELEVATION
SCALE: 3/8" = 1'-0"

D9 LOCKERS NORTH ELEVATION
SCALE: 3/8" = 1'-0"



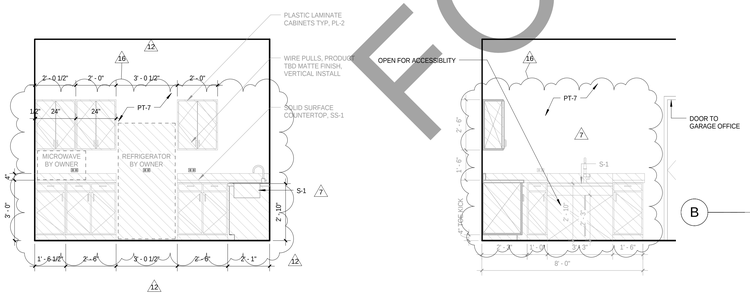
F10 GARAGE OFFICE WEST ELEVATION
SCALE: 3/8" = 1'-0"

F9 GARAGE OFFICE NORTH ELEVATION
SCALE: 3/8" = 1'-0"



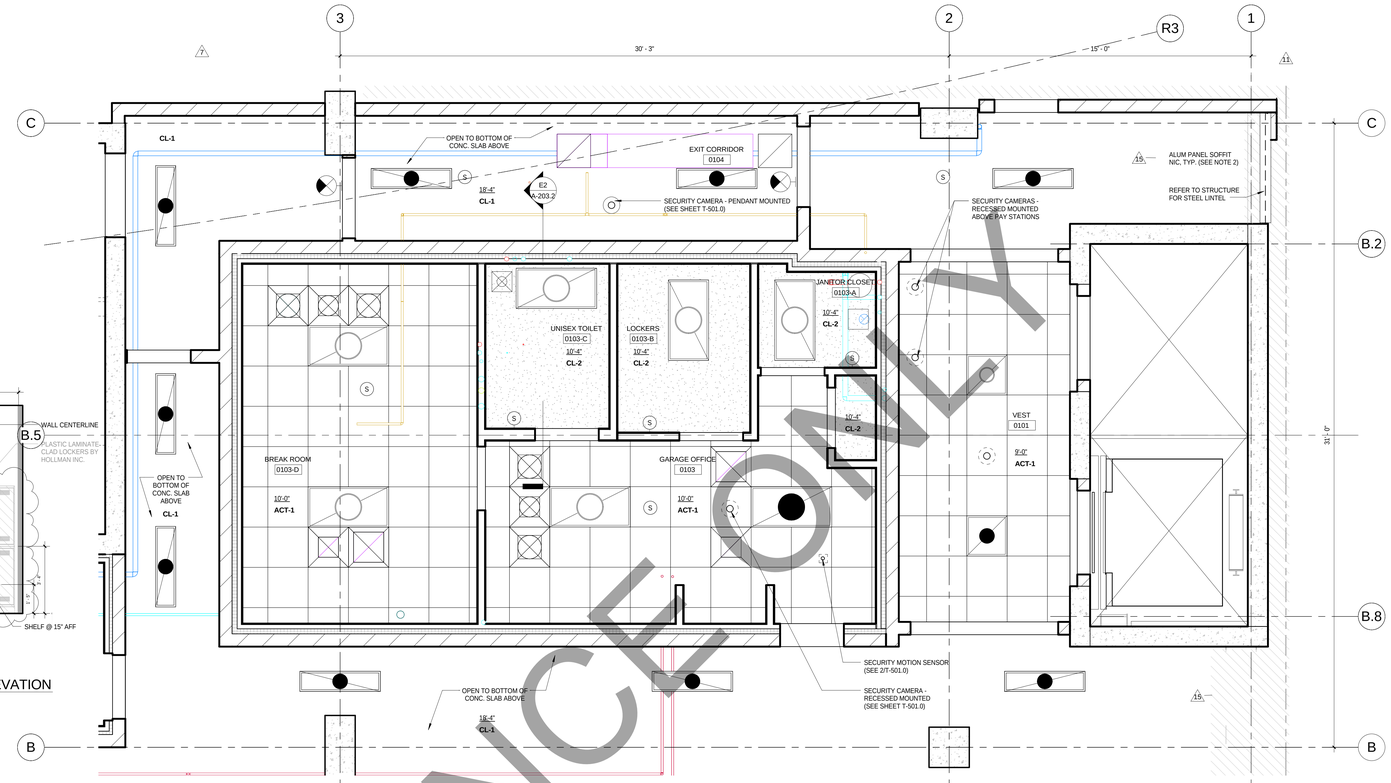
H10 GARAGE OFFICE EAST ELEVATION
SCALE: 3/8" = 1'-0"

H9 GARAGE OFFICE SOUTH ELEVATION
SCALE: 3/8" = 1'-0"

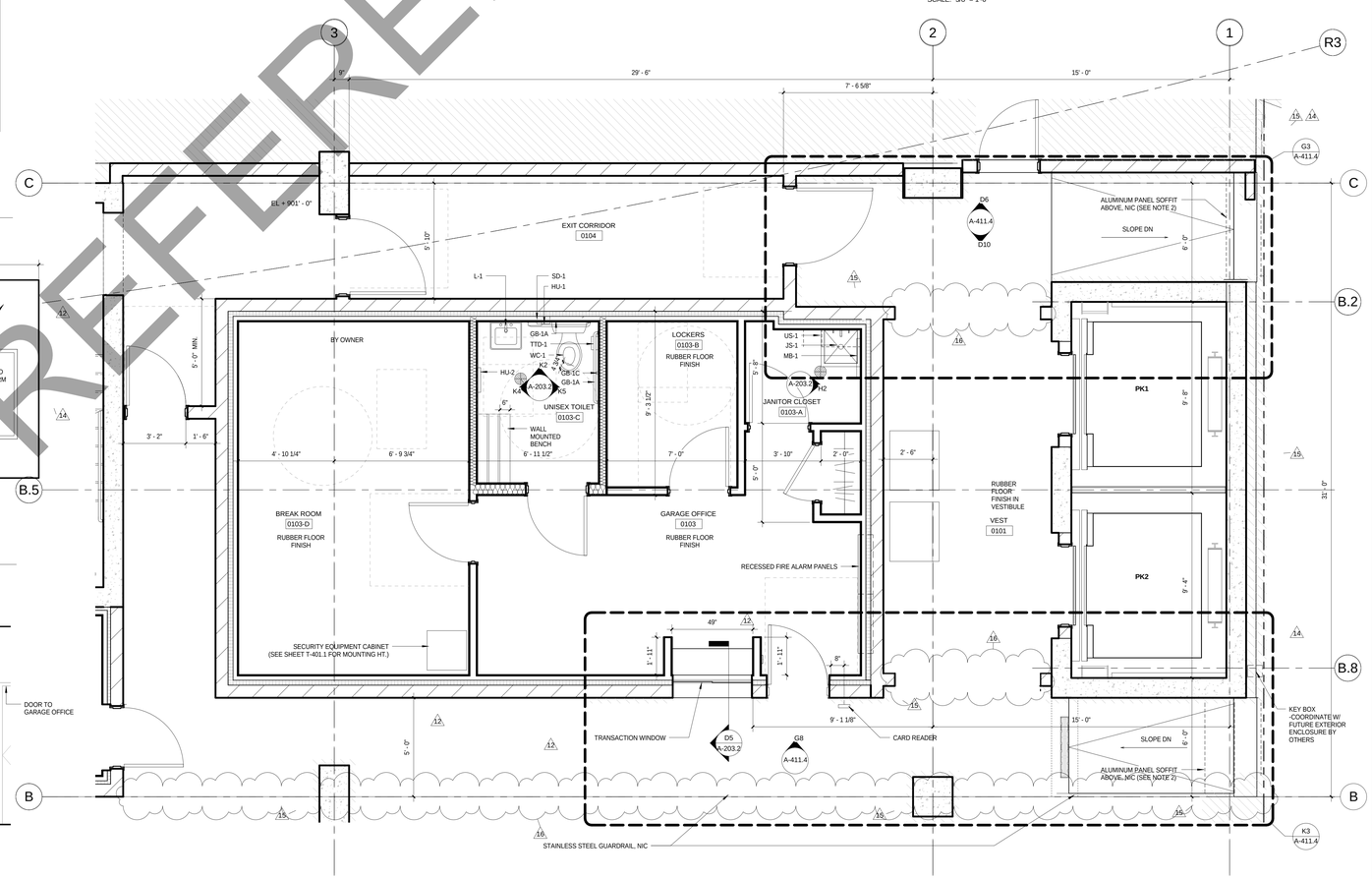


K10 BREAK ROOM EAST ELEVATION
SCALE: 3/8" = 1'-0"

K9 BREAK ROOM SOUTH ELEVATION
SCALE: 3/8" = 1'-0"



E3 LEVEL 1 REFLECTED CEILING PLAN - WILSON STREET ENTRY - EAST CORE
SCALE: 3/8" = 1'-0"



K3 LEVEL 1 PLAN - WILSON STREET ENTRANCE EAST CORE FINISH PLAN
SCALE: 3/8" = 1'-0"

FOR REFERENCE ONLY

General Notes

NOTES FOR FIXTURES & ACCESSORIES

1. WC-1 WATER CLOSETS (SEE SPEC SECTION 22 40 00)
2. L-1 LAVATORIES (SEE SPEC SECTION 22 40 00)
3. JS-1 JANITOR'S SINK (SEE SPEC SECTION 22 40 00)
4. S-1 SINKS (SEE SPEC SECTION 22 40 00)
5. GB-1A HORIZONTAL GRAB BAR - 36" (SEE SPEC SECTION 10 28 00)
6. GB-1B HORIZONTAL GRAB BAR - 42" (SEE SPEC SECTION 10 28 00)
7. GB-1C VERTICAL GRAB BAR - 18" (SEE SPEC SECTION 10 28 00)
8. HU-1 SANITARY DISPOSAL (SEE SPEC SECTION 10 28 00)
9. HU-2 PAPER TOWEL DISPENSER / WASTE (SEE SPEC SECTION 10 28 00)
10. TTD-1 TOILET PAPER DISPENSER (SEE SPEC SECTION 10 28 00)
11. MU-1 TILTED MIRROR (SEE SPEC SECTION 10 28 00)
12. MB-1 MOP + BROOM HOLDER (SEE SPEC SECTION 10 28 00)
13. US-1 UTILITY SHELF (SEE SPEC SECTION 10 28 00)
14. SD-1 SOAP DISPENSER (BOBRICK B-2112)

NOTE 1: CONSTRUCTION SHOWN HALF-TONE IS FOR INFORMATION ONLY - SUSEQUENT DEVELOPMENT UNDER SEPARATE CONTRACT

NOTE 2 : ALL EXTERIOR WALL ENCLOSURE IS NOT IN CONTRACT UNLESS OTHERWISE NOTED

LEGEND

N.I.C. **CONSTRUCTION ITEMS FOR REFERENCE ONLY - NOT IN CONTRACT - SUBJECT TO SEPARATE PERMIT**

GENERAL MILLWORK NOTES

1. ALL MILLWORK FACES INCLUDING DOORS AND SHELVING SHALL BE FINISHED WITH PLASTIC LAMINATE AS NOTED ON ELEVATIONS AND DETAILS. INTERIOR SURFACES TO BE FINISHED WITH WHITE PLASTIC LAMINATE. DOOR BACKS AND EDGES TO MATCH FINISH OF DOOR FRONT. EDGES OF INTERIOR SHELVING SHALL HAVE WHITE PVC EDGING.
2. ALL SURFACES TO BE LAMINATED INCLUDING VENEERS SHALL BE LAMINATED WITH THE SAME THICKNESS OF MATERIAL ON BOTH SIDES (BACKING). WHETHER VISIBLE OR NOT. PANEL AND PLYWOOD BACKS NOT EXPOSED TO VIEW SHALL BE VENEERED WITH THE SAME SPECIES AND THICKNESS OF VENEER USED FOR THE FACES FOR BALANCED CONSTRUCTION.
3. PROVIDE ADEQUATE CONCEALED BLOCKING IN PARTITIONS FOR ALL CABINETS.
4. ALL WOODWORK SHALL HAVE A FINE, SMOOTH FINISH, FREE FROM MACHINE OR TOOL MARKS, ABRASIONS OR RAISED GRAIN ON EXPOSED SURFACES AND JOINTS SHALL BE TIGHT AND SO FORMED AS TO CONCEAL SHRINKAGE. MITRES 4" OR MORE FROM HEEL TO POINT SHALL BE GLUED AND FEATHER-LOCKED. SPLICED AND DOWELED TENONS AND DOWELS SHALL BE OF HARDWOOD AND SPACED NOT LESS THAN 2" ON CENTER JOINTS SHALL BE MADE WITH WATER-RESISTANT GLUE BE FULLY ASSEMBLED IN THE SHOP IN AS LARGE A UNIT AS PRACTICAL, THEN DELIVERED AND INSTALLED.
5. SCREW AND GLUE ALL JOINTS AND CONNECTIONS. NO NAILING PERMITTED.
6. ALL HIGH-PRESSURE PLASTIC LAMINATE WORK SHALL BE SOLID, IN ONE PIECE AND WITHOUT SPLICE JOINTS EXCEPT WHERE PROHIBITED BY THE MAXIMUM AVAILABLE SIZE OF THE MANUFACTURED PLASTIC LAMINATE MATERIALS. ALL EDGES AND EXPOSED CORNERS TO BE FINELY JOINED, UNSIGHTLY JOINTS, NICKS, SCRATCHES, CHOPS, DEFECTS, CAVEY OR UNEVEN LAMINATION WILL BE REJECTED. IF JOINTS ARE REQUIRED DUE TO LENGTH OF UNIT, JOINTS TO BE CENTERED SYMMETRICALLY OVER THE LENGTH OF THE UNIT OR WHERE INDICATED ON PLAN OR ELEVATION.
7. CONTRACTOR TO CLEAN, POLISH, AND TOUCH-UP AS REQUIRED ALL MILLWORK AFTER THE INSTALLATION IS COMPLETE.
8. CABINET HARDWARE: PULLS TO BE 4" WIRE PULL WITH BRUSH SS FINISH AND DRAWER GLIDES TO BE HEAVY DUTY, FULL EXTENSION ACCURIDE GLIDE OR APPROVED EQUAL.
9. ALL MILLWORK SHALL BE PERFORMED BY SKILLED CRAFTSMEN USING THE BEST TECHNIQUES KNOWN TO THE TRADE AND IN CONFORMANCE WITH ALL TRADE STANDARDS. WOODWORK GRADE SHALL BE CUSTOM AS DEFINED BY AMERICAN WOODWORK INSTITUTE
10. THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS AT JOB SITE AND SHALL BE RESPONSIBLE FOR SAME. THE CONTRACTOR SHOULD ALSO INSPECT THE ALIGNMENT OF ALL GYP BD CONSTRUCTION AND SHOULD NOTIFY ARCHITECT OF ANY CONDITION THAT WOULD PREVENT HIM/HER FROM COMPLETING THE WORK.

No.	Description	Date
16	FINAL BULLETIN #6	09/14/2018
15	BULLETIN #6	08/03/2018
14	BULLETIN #5	05/14/2018
12	BULLETIN #3	03/05/2018
11	BULLETIN #2	12/07/2017
10	BULLETIN #1	11/08/2017
9	BID DOCUMENTS	09/07/2017
7	ADDENDUM #2	07/28/2017
6	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
5	ISSUED FOR FINAL BID	06/23/2017
4	ISSUED FOR BID	06/16/2017
3	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017

JUDGE DOYLE SQUARE - PODIUM

JUDGE DOYLE SQUARE

CITY OF MADISON

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE

Drawing Title

INTERIOR DETAILS

Drawn	Date
Author	9/14/2018 6:02:27 PM
Checked By	Drawing Number
Checker	
Approved	
Approver	A-203.1
Job Number	
217-1088	

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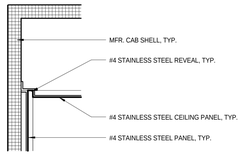
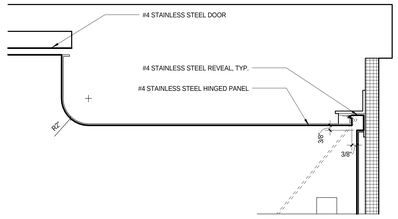
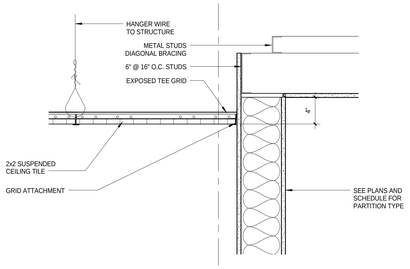


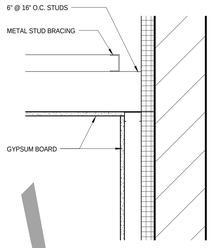
B11 ELEVATOR CAB CEILING DETAIL
SCALE: 3" = 1'-0"



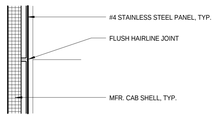
B9 ELEVATOR INTERIOR PLAN DETAIL
SCALE: 3" = 1'-0"



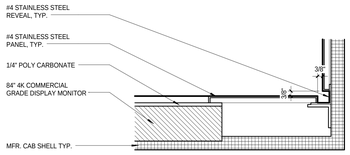
B5 GARAGE OFFICE CEILING TRANSITION DETAIL
SCALE: 1 1/2" = 1'-0"



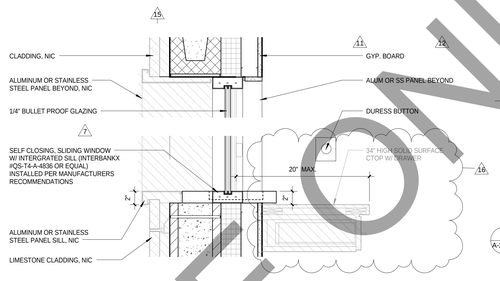
B2 GARAGE OFFICE CEILING SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



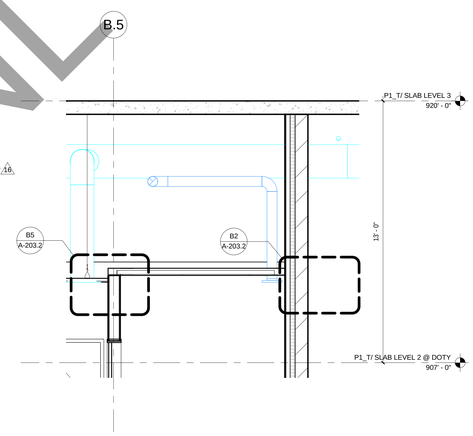
C11 ELEVATOR CAB SHELL - INTERIOR PANEL DETAIL
SCALE: 3" = 1'-0"



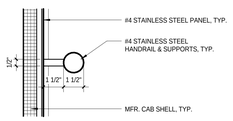
C8 ELEVATOR CAB SHELL DETAIL PLAN
SCALE: 3" = 1'-0"



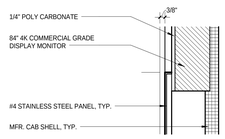
D5 TRANSACTION COUNTER HEAD/ SILL DETAIL
SCALE: 1 1/2" = 1'-0"



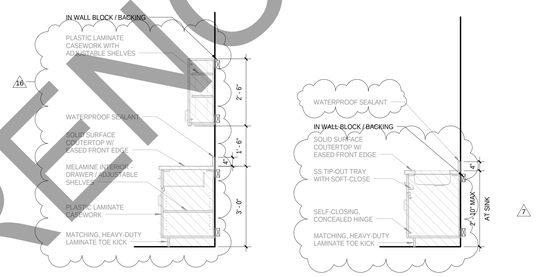
E2 GARAGE OFFICE CEILING SECTION DETAIL
SCALE: 3/8" = 1'-0"



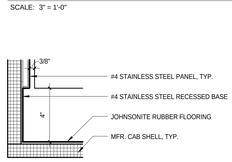
E11 ELEVATOR CAB SHELL - HANDRAIL DETAIL
SCALE: 3" = 1'-0"



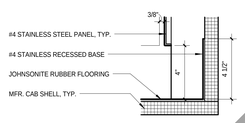
E8 ELEVATOR CAB SHELL - MONITOR WALL DETAIL
SCALE: 3" = 1'-0"



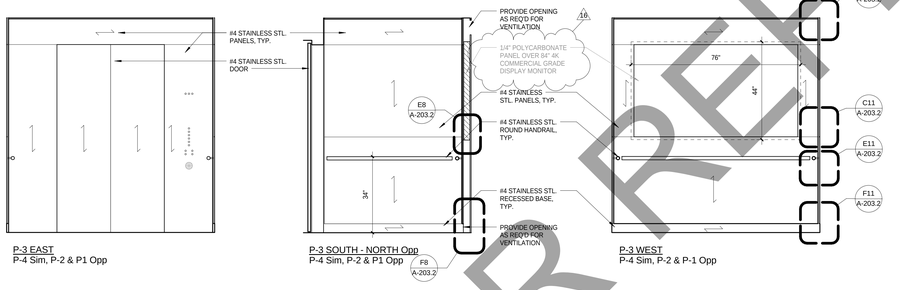
F5 MILLWORK DETAILS
SCALE: 1/2" = 1'-0"



F11 ELEVATOR CAB SHELL - FLOOR BASE DETAIL
SCALE: 3" = 1'-0"



F8 ELEVATOR CAB SHELL - MONITOR WALL BASE
SCALE: 3" = 1'-0"



P-3 EAST
P-4 Sim, P-2 & P1 Opp

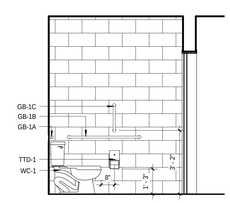
P-3 SOUTH - NORTH Opp
P-4 Sim, P-2 & P1 Opp

P-3 WEST
P-4 Sim, P-2 & P-1 Opp

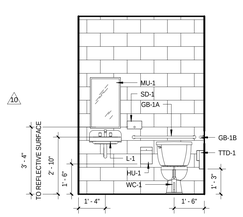
H11 TYP. PARKING ELEVATOR CAB INTERIOR ELEVATIONS
SCALE: 1/2" = 1'-0"

H10 TYP. PARKING ELEVATOR CAB INTERIOR ELEVATION
SCALE: 1/2" = 1'-0"

H8 TYP. PARKING ELEVATOR CAB INTERIOR ELEVATION
SCALE: 1/2" = 1'-0"



H5 LEVEL U2 TOILET WEST ELEVATION
SCALE: 3/8" = 1'-0"



H4 LEVEL U2 TOILET SOUTH ELEVATION
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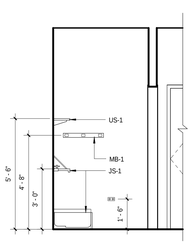
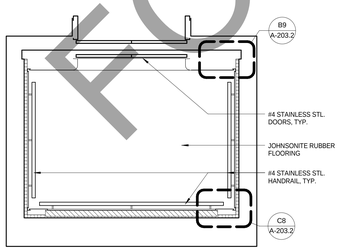
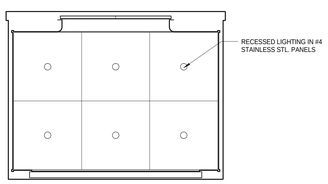


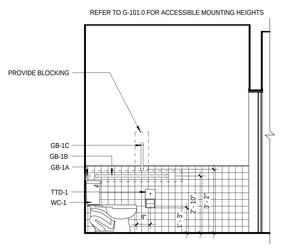
H2 JANITOR CLOSET SOUTH ELEVATION
SCALE: 3/8" = 1'-0"



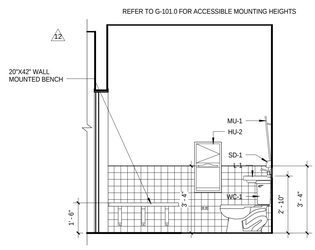
K10 TYPICAL ELEVATOR CAB FLOOR PLAN
SCALE: 1/2" = 1'-0"



K8 TYPICAL ELEVATOR REFLECTED CEILING PLAN
SCALE: 1/2" = 1'-0"



K5 UNISEX TOILET SOUTH ELEVATION
SCALE: 3/8" = 1'-0"



K4 UNISEX TOILET NORTH ELEVATION
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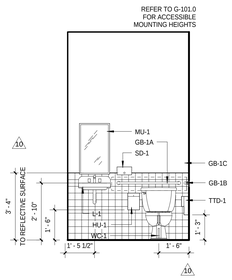

K2 UNISEX TOILET EAST ELEVATION
SCALE: 3/8" = 1'-0"

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3. JS-1 JANITOR'S SINK (SEE SPEC SECTION 22 40 00)
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12. MB-1 MOP + BROOM HOLDER (SEE SPEC SECTION 10 28 00)
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15. 12.

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No.	Description	Date
16	FINAL BULLETIN #6	09/14/2018
15	BULLETIN #6	08/03/2018
12	BULLETIN #3	03/05/2018
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10	BULLETIN #1	11/08/2017
9	BID DOCUMENTS	08/07/2017
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5	ISSUED FOR FINAL BID	06/23/2017
4	ISSUED FOR BID	06/16/2017
3	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017

JUDGE DOYLE SQUARE - PODIUM

JUDGE DOYLE SQUARE

CITY OF MADISON

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE PLANNING LANDSCAPE ARCHITECTURE URBAN DESIGN

Drawing Title

ELEVATOR CAB ELEVATIONS AND INTERIOR DETAILS

Drawn	Date
Author	9/14/2018 6:02:42 PM
Checked By	**Drawing Number**
Checker	A-203.2
Approved	
Approver	
Job Number	
217-1088	

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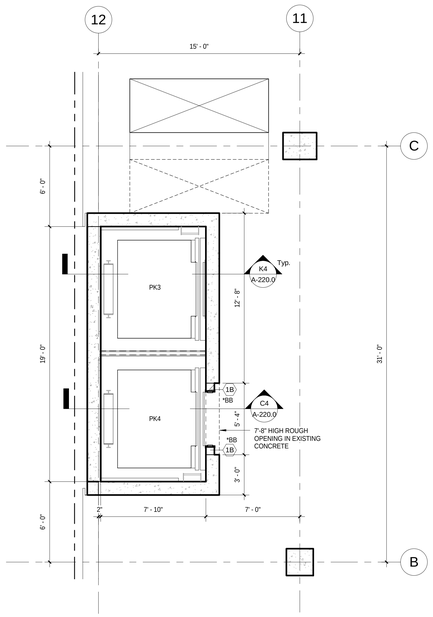
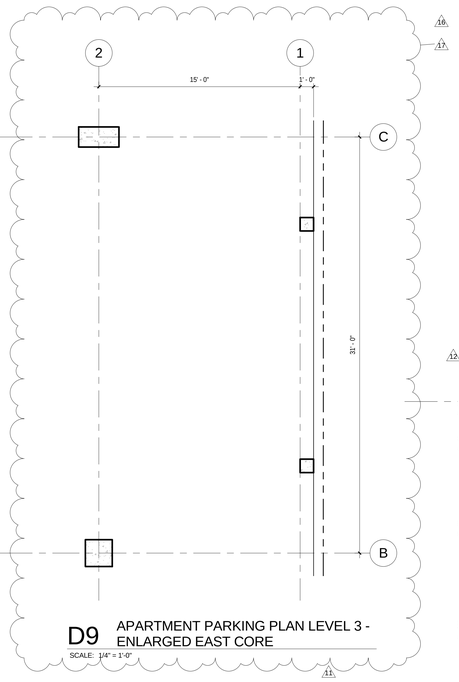


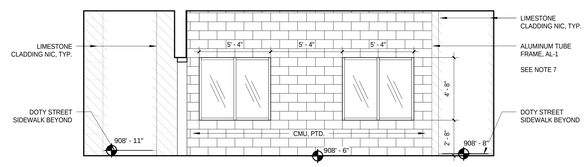
D11 APARTMENT PARKING PLAN LEVEL 3 - ENLARGED WEST CORE

SCALE: 1/4" = 1'-0"



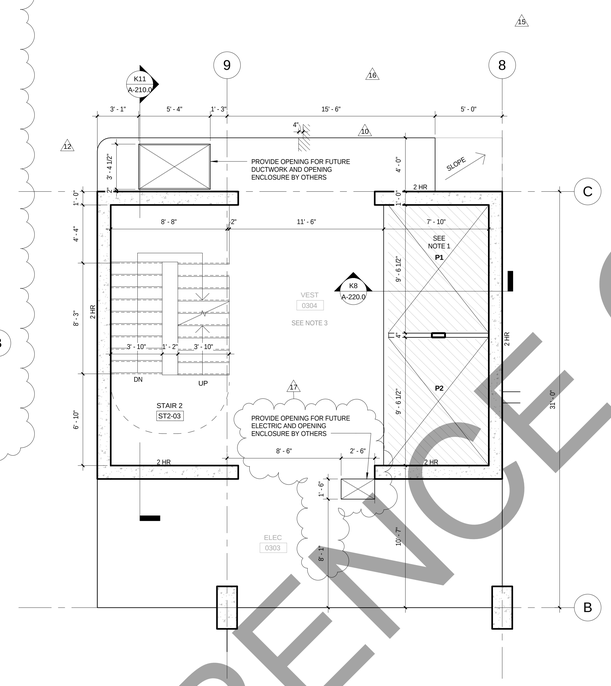
D9 APARTMENT PARKING PLAN LEVEL 3 - ENLARGED EAST CORE

SCALE: 1/4" = 1'-0"



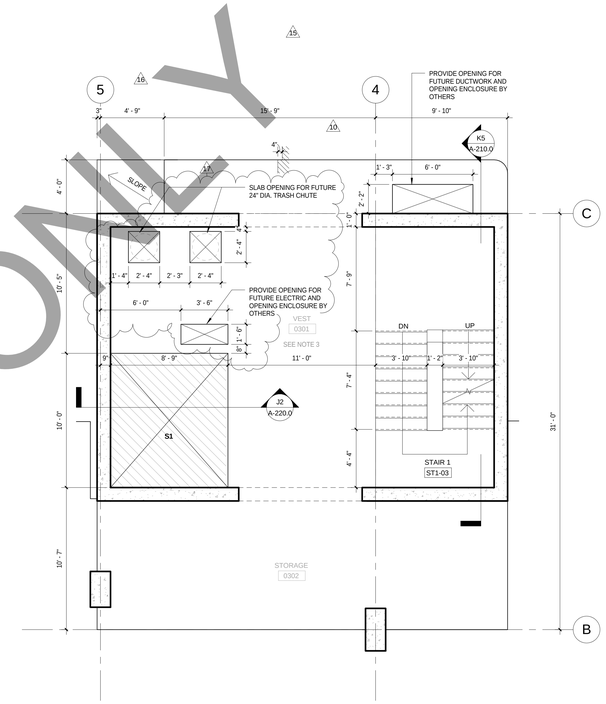
F10 DOTY STREET ENTRY - VEST ELEVATION AT BICYCLE PARKING

SCALE: 1/4" = 1'-0"



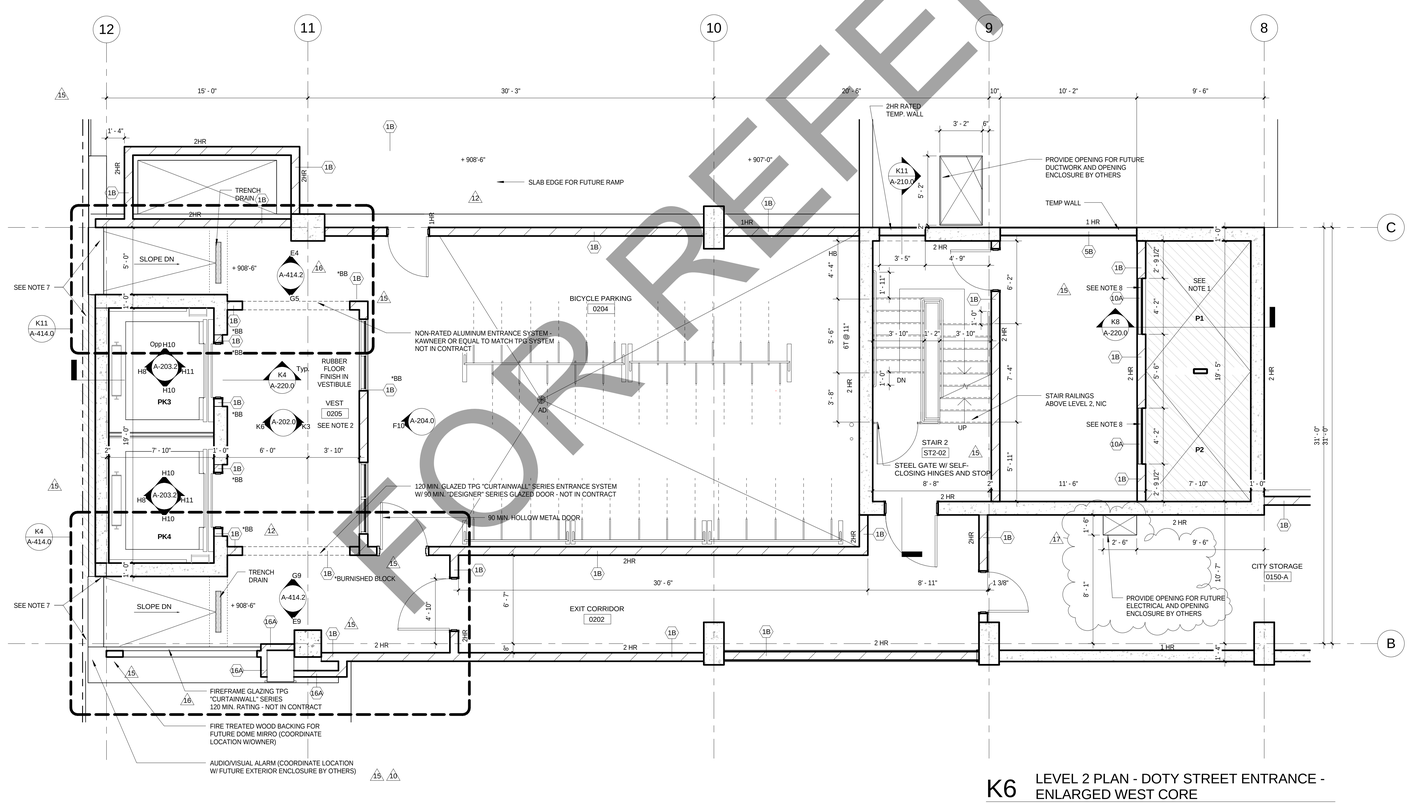
F6 APARTMENT PARKING PLAN LEVEL 3 - ENLARGED CENTER WEST CORE

SCALE: 1/4" = 1'-0"



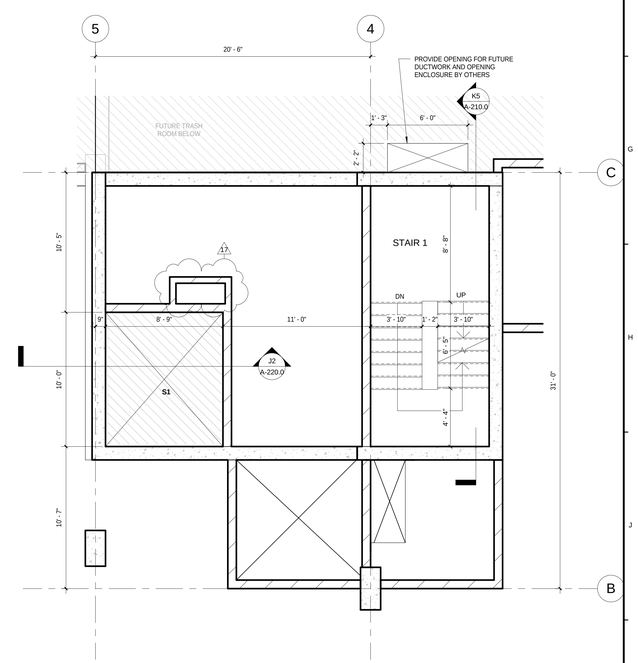
F3 APARTMENT PARKING PLAN LEVEL 3 - ENLARGED CENTER EAST CORE

SCALE: 1/4" = 1'-0"



K6 LEVEL 2 PLAN - DOTY STREET ENTRANCE - ENLARGED WEST CORE

SCALE: 1/4" = 1'-0"



K3 LEVEL 2 PLAN - DOTY STREET ENTRANCE - ENLARGED CENTER EAST CORE

SCALE: 1/4" = 1'-0"

FOR REFERENCE ONLY

General Notes

NOTE 1: P1 AND P2 ARE FIRE ACCESS ELEVATORS AND ENTRIES TO BE INSTALLED WITH ABOVE-GRADE TOWER PROVIDE 2 HR SHAFT WALL IF REQUIRED FOR TEMPORARY OPENING'S CLOSURE

NOTE 2: PARKING ELEVATOR LOBBIES TO BE SMOKE PROTECTED PER IBC 3006.3.2.

NOTE 3: FIRE SERVICE ELEVATOR LOBBY PER IBC 3007.6.

NOTE 4: CONSTRUCTION SHOWN HALF-TONE IS FOR INFORMATION ONLY - SUBSEQUENT DEVELOPMENT UNDER SEPARATE CONTRACT

NOTE 5: FOR FINISHES SCHEDULE, SEE A-501.0

NOTE 6: SEE ARCHITECTURAL FLOOR PLANS FOR VESTIBULE HIGH POINT ELEVATION

NOTE 7 : ALL EXTERIOR WALL ENCLOSURE IS NOT IN CONTRACT, UNLESS OTHERWISE NOTED

NOTE 8 : TEMPORARY 2HR DRYWALL CLOSURE - FUTURE ELEVATOR HOISTWAY BY OTHERS

LEGEND

N.I.C. — **CONSTRUCTION ITEMS FOR REFERENCE ONLY - NOT IN CONTRACT - SUBJECT TO SEPARATE PERMIT**

No.	Description	Date
17	BULLETIN #7	10/15/2018
16	FINAL BULLETIN #6	09/14/2018
15	BULLETIN #6	08/03/2018
12	BULLETIN #3	03/05/2018
11	BULLETIN #2	12/07/2017
10	BULLETIN #1	11/08/2017
9	BID DOCUMENTS	09/07/2017
7	ADDENDUM #2	07/28/2017
6	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
5	ISSUED FOR FINAL BID	06/23/2017
4	ISSUED FOR BID	06/16/2017
3	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
2	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017
1	ISSUED FOR SCHEMATIC DESIGN	02/03/2017

JUDGE DOYLE SQUARE - PODIUM

JUDGE DOYLE SQUARE

CITY OF MADISON

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE

Drawing Title

ENLARGED CORE PLANS - LEVEL 2, 3

Drawn	Date
Author	10/15/2018 3:53:41 PM
Checked By	**Drawing Number**
Checker	A-204.0
Approved	
Approver	
Job Number	
217-1088	

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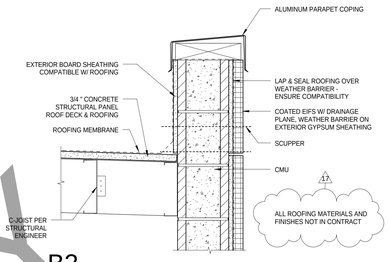
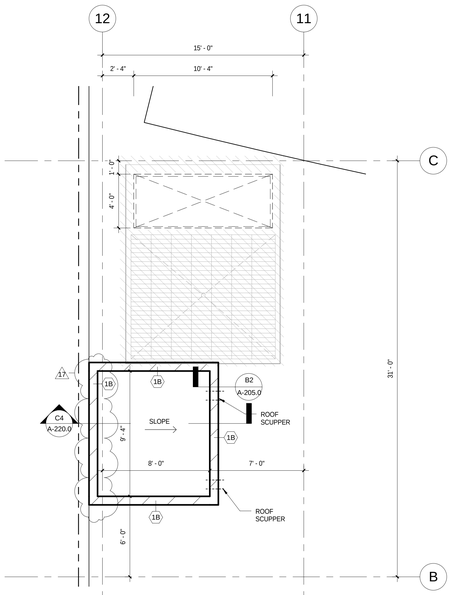
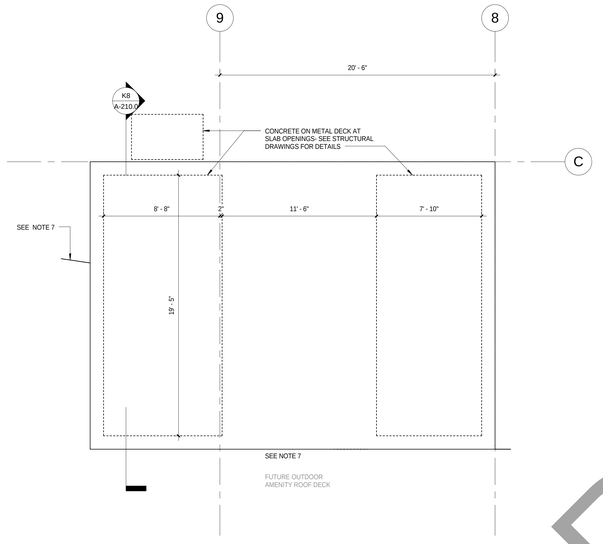


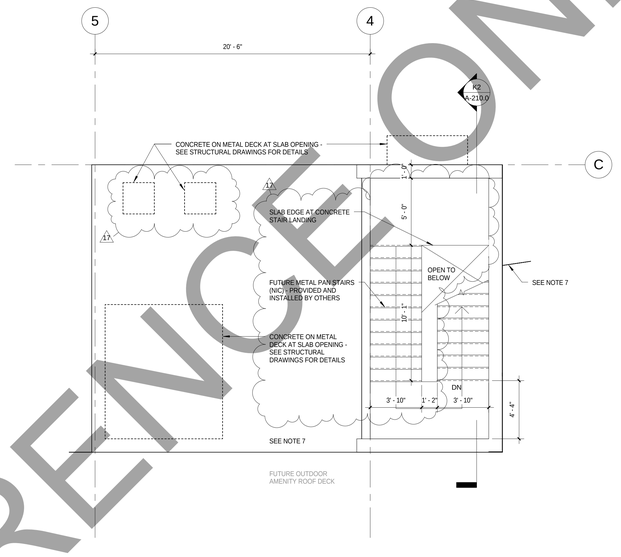
B2 ELEVATOR ROOF DETAIL
SCALE: 1 1/2" = 1'-0"



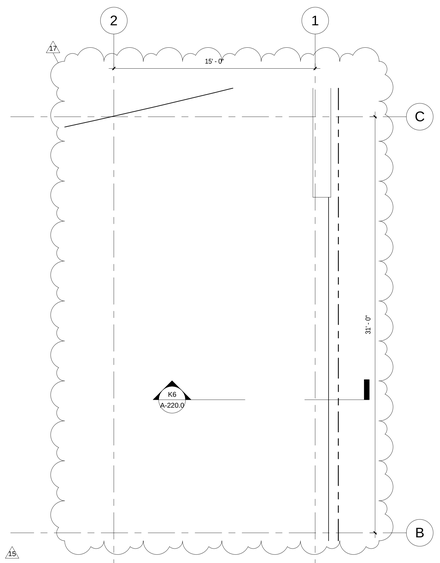
G12 LEVEL 5 PLAN - APARTMENT AMENITIES - ENLARGED WEST CORE
SCALE: 1/4" = 1'-0"



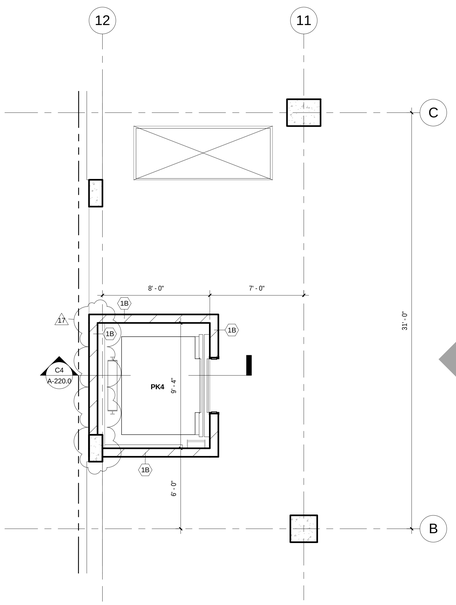
F8 LEVEL 5 PLAN - APARTMENT AMENITIES - ENLARGED CENTER WEST CORE
SCALE: 1/4" = 1'-0"



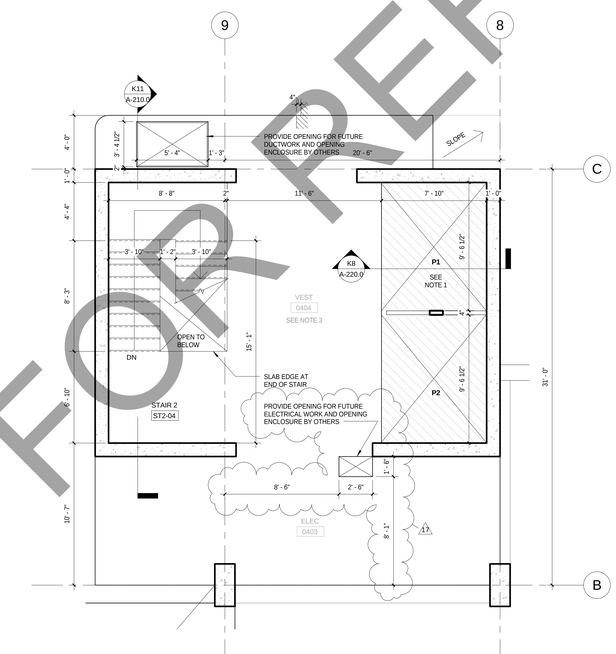
F5 LEVEL 5 PLAN - APARTMENT AMENITIES - ENLARGED CENTER EAST CORE
SCALE: 1/4" = 1'-0"



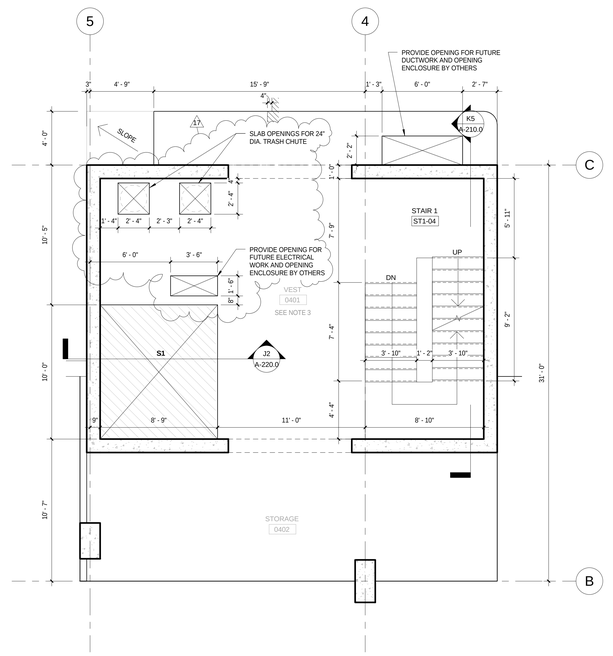
G2 LEVEL 5 - APARTMENT AMENITIES - ENLARGED EAST CORE
SCALE: 1/4" = 1'-0"



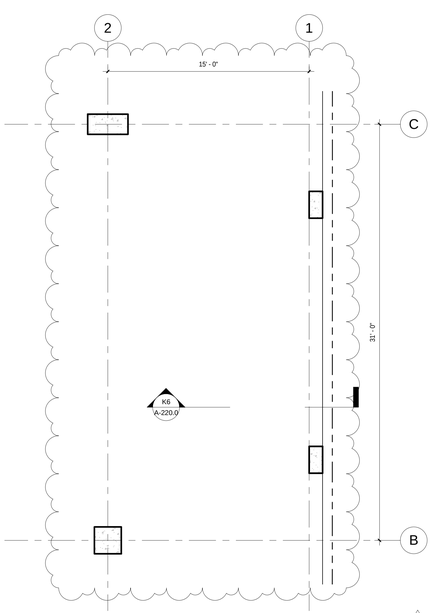
K12 APARTMENT PARKING PLAN LEVEL 4 - ENLARGED WEST CORE
SCALE: 1/4" = 1'-0"



K8 APARTMENT PARKING PLAN LEVEL 4 - ENLARGED CENTER WEST CORE
SCALE: 1/4" = 1'-0"



K5 APARTMENT PARKING PLAN LEVEL 4 - ENLARGED CENTER EAST CORE
SCALE: 1/4" = 1'-0"



K2 APARTMENT PARKING PLAN LEVEL 4 - ENLARGED EAST CORE
SCALE: 1/4" = 1'-0"

TRUE NORTH
PROJECT NORTH

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FOR REFERENCE ONLY

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LEGEND

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2	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017
1	ISSUED FOR SCHEMATIC DESIGN	02/03/2017

JUDGE DOYLE SQUARE - PODIUM

JUDGE DOYLE SQUARE

CITY OF MADISON

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS
MADISON | MILWAUKEE | DENVER

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS
A NEW CARBONS ENGINEERING COMPANY

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

ENLARGED CORE PLANS - LEVEL 4, 5

Drawn	Date
Author	10/15/2018 3:54:14 PM
Checked By	**Drawing Number**
Checker	A-205.0
Approved	
Approver	
Job Number	
217-1088	

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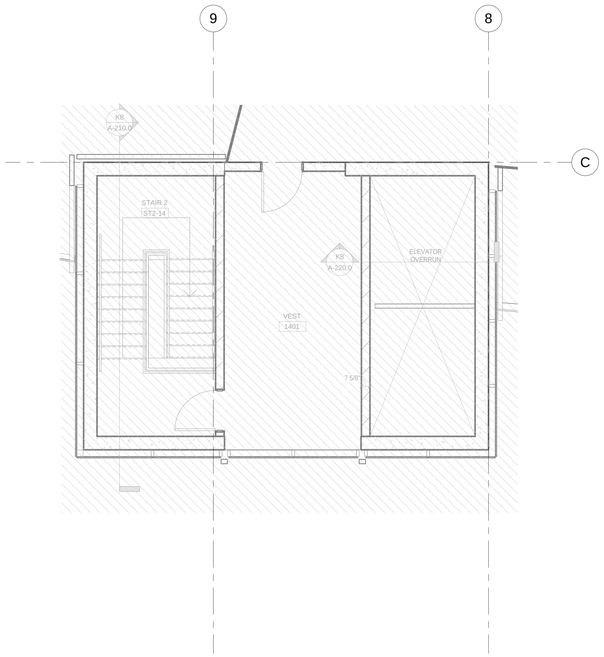
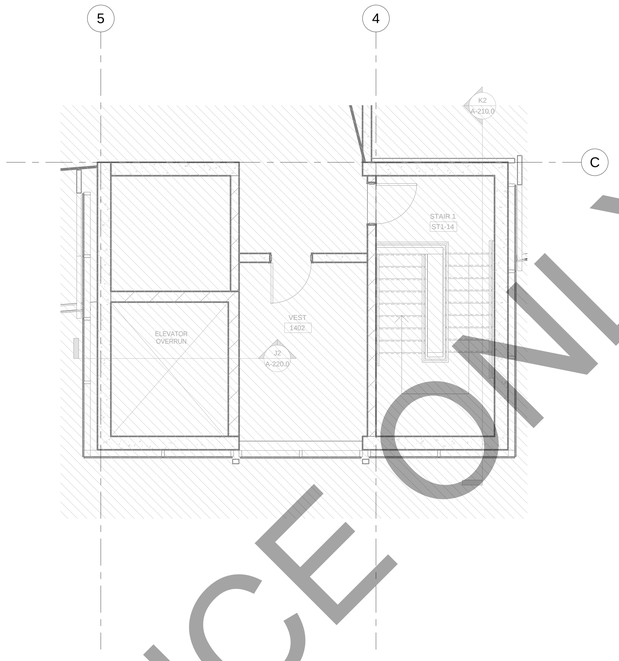


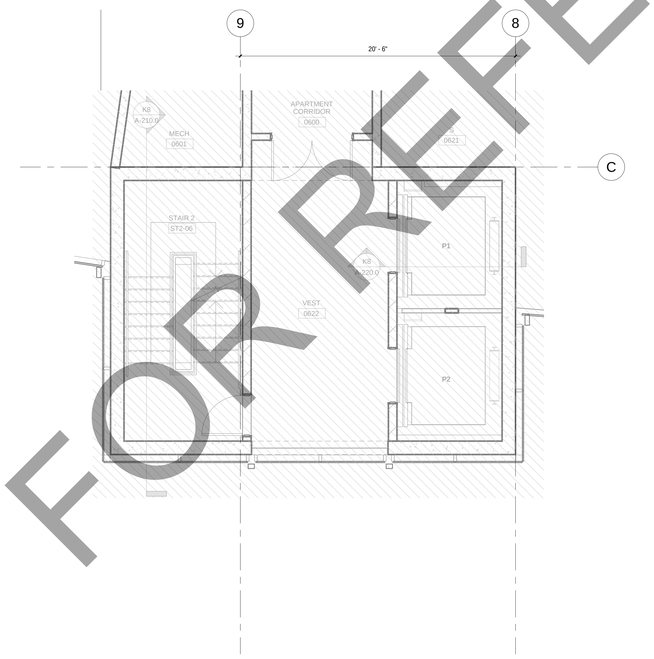
E8 ROOF PLAN - ENLARGED WEST CORE

SCALE: 1/4" = 1'-0"



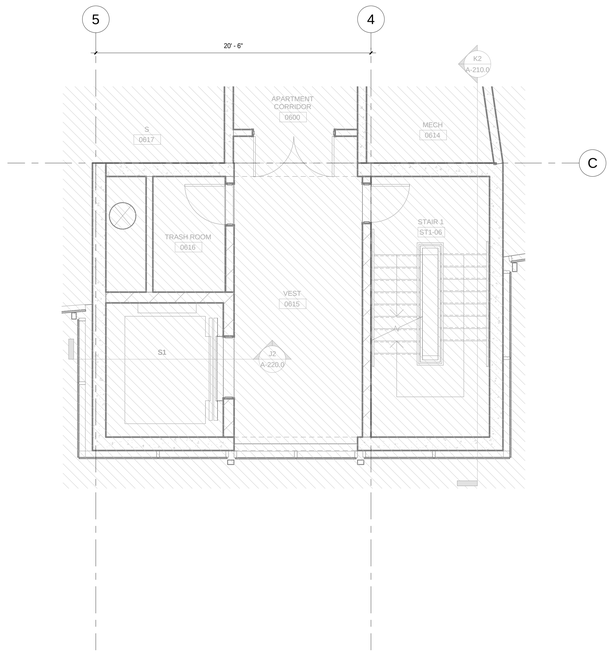
E5 ROOF PLAN - ENLARGED EAST CORE

SCALE: 1/4" = 1'-0"



K8 LEVEL 6-13 PLAN - TYPICAL APARTMENTS - ENLARGED WEST CORE

SCALE: 1/4" = 1'-0"



K5 LEVEL 6-13 PLAN - TYPICAL APARTMENTS - ENLARGED EAST CORE

SCALE: 1/4" = 1'-0"

FOR REFERENCE ONLY

General Notes

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NOTE 6: SEE ARCHITECTURAL FLOOR PLANS FOR VESTIBULE HIGH POINT ELEVATION

LEGEND

N.I.C. — **CONSTRUCTION ITEMS FOR REFERENCE ONLY - NOT IN CONTRACT - SUBJECT TO SEPARATE PERMIT**

FOR REFERENCE ONLY

WISCONSIN
JAMES R. DESTEFANO
3614-5
MADISON, WI
ARCHITECT

No.	Description	Date
9	BID DOCUMENTS	09/07/2017
6	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
5	ISSUED FOR FINAL BID	06/23/2017
4	ISSUED FOR BID	06/16/2017
3	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
2	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017
1	ISSUED FOR SCHEMATIC DESIGN	02/03/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

ENLARGED CORE PLANS - LEVEL 6-13, ROOF

Drawn	Date
Author	9/5/2017 11:21:53 AM
Checked By	**Drawing Number**
Checker	
Approved	
Approver	
Job Number	
215-1051	

A-206.0

TRUE NORTH
PROJECT NORTH

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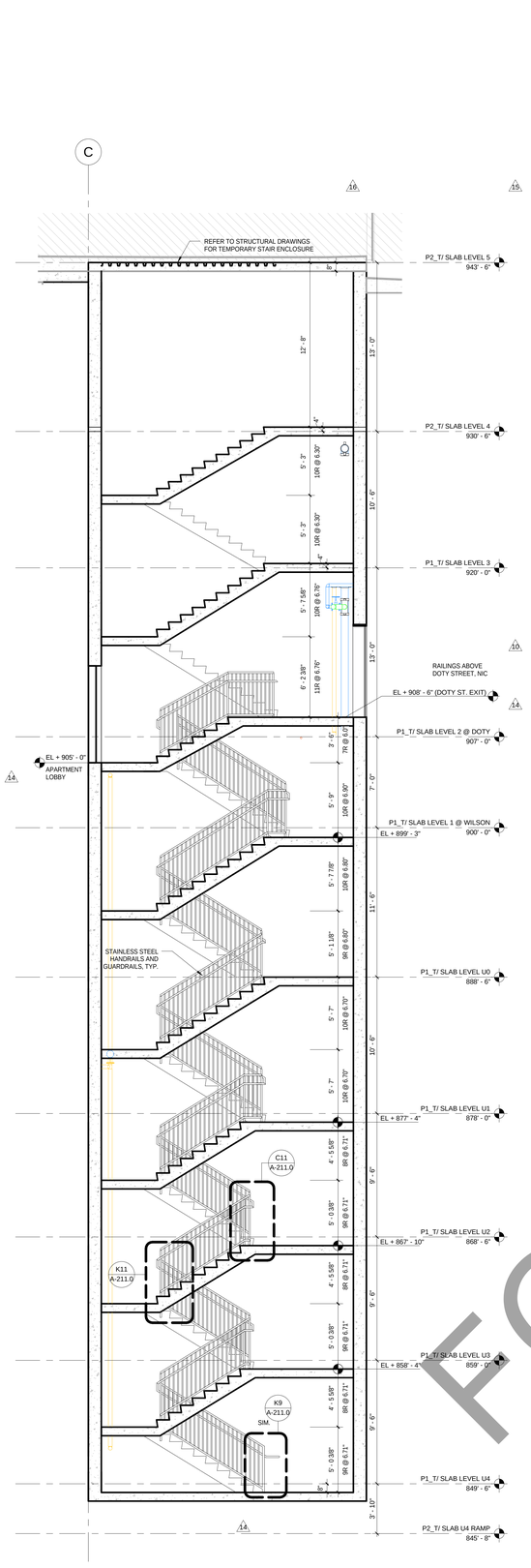
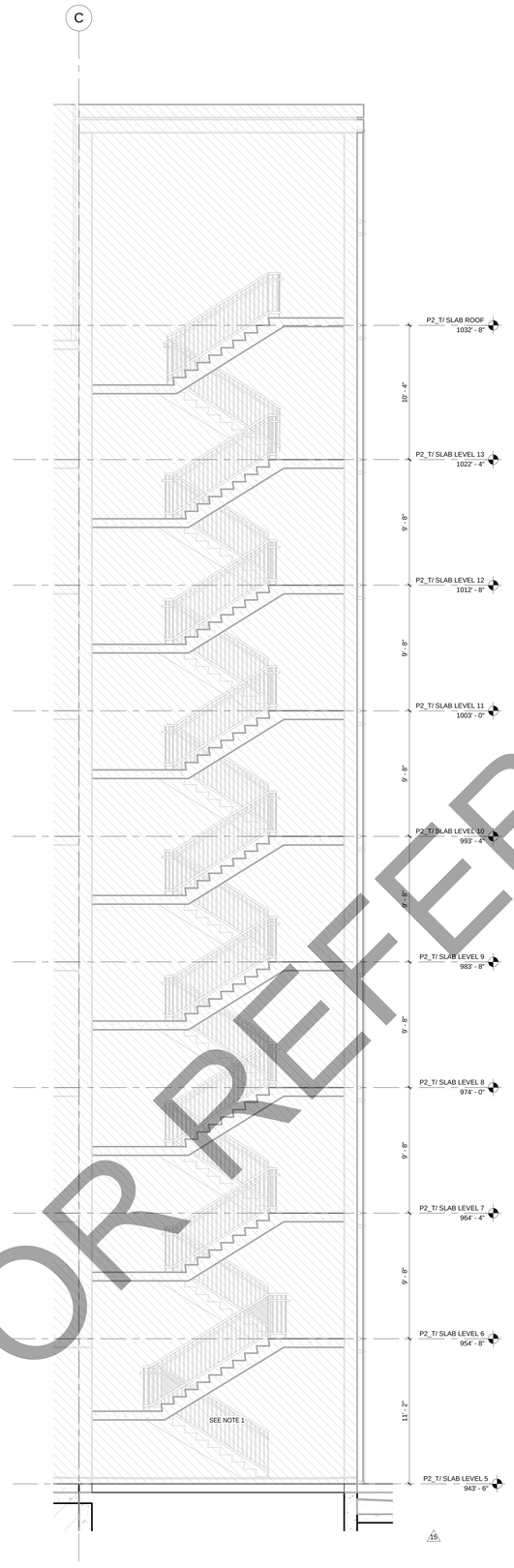


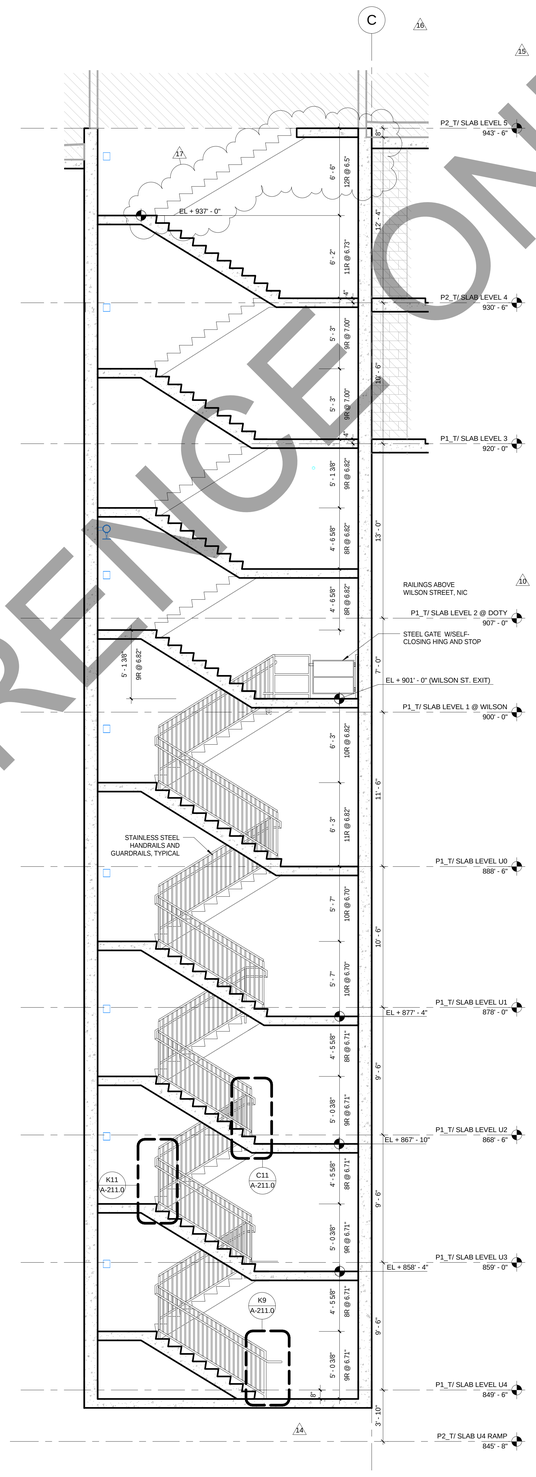
K11 ST-2 ENLARGED STAIR SECTION 1 - CENTER WEST CORE

SCALE: 1/4" = 1'-0"



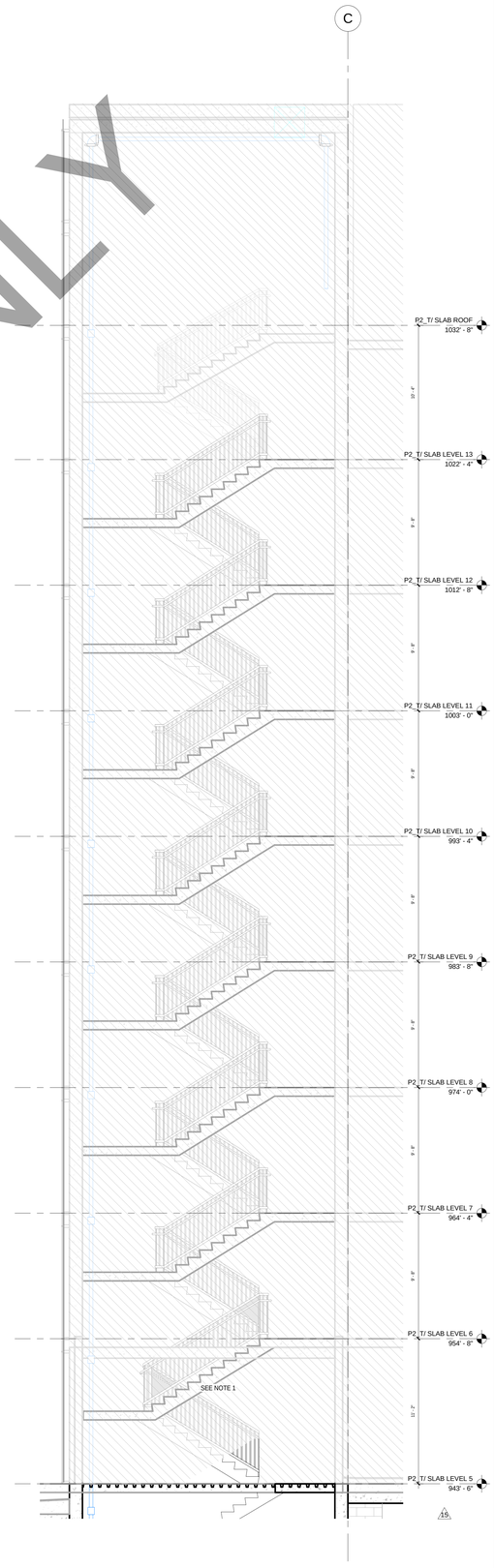
K8 ST-2 ENLARGED STAIR SECTION 2 - CENTER WEST CORE

SCALE: 1/4" = 1'-0"



K5 ST-1 ENLARGED STAIR SECTION 1 - CENTER EAST CORE

SCALE: 1/4" = 1'-0"



K2 ST-1 ENLARGED STAIR SECTION 2 - CENTER EAST CORE

SCALE: 1/4" = 1'-0"

FOR REFERENCE ONLY

General Notes

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LEGEND

N.I.C. — **CONSTRUCTION ITEMS FOR REFERENCE ONLY - NOT IN CONTRACT - SUBJECT TO SEPARATE PERMIT**

GENERAL NOTE: SIGNAGE IN STAIRWELLS AS PER IBC SECTION 1023.9 IS NOT IN CONTRACT - TO BE PROVIDED AND INSTALLED BY OTHERS

No.	Description	Date
17	BULLETIN #7	10/15/2018
16	FINAL BULLETIN #6	09/14/2018
15	BULLETIN #6	08/03/2018
14	BULLETIN #5	05/14/2018
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JUDGE DOYLE SQUARE - PODIUM

JUDGE DOYLE SQUARE

CITY OF MADISON

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

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AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

ENLARGED STAIR SECTIONS

Drawn	Date
Author	10/15/2018 3:54:50 PM
Checked By	**Drawing Number**
Checker	A-210.0
Approved	
Approver	
Job Number	
217-1088	

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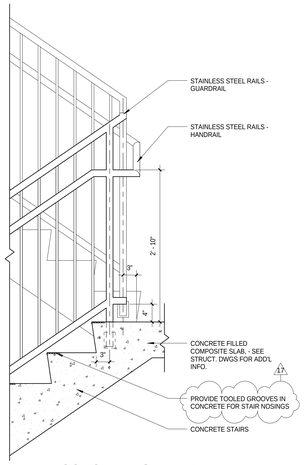
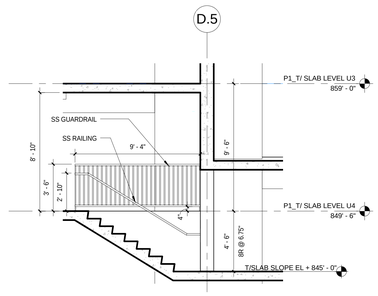
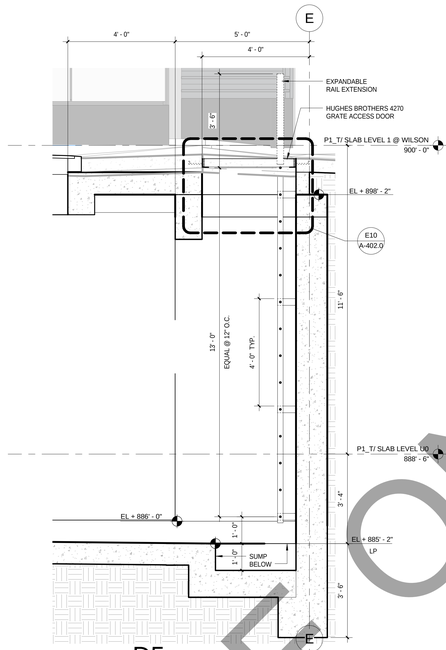


C11 CONCRETE STAIR DETAIL AT INTERMEDIATE LANDING
SCALE: 1" = 1'-0"



D8 ENLARGED STAIR SECTION LEVEL U4 RAMP
SCALE: 1/4" = 1'-0"



D5 VAULT ACCESS LADDER SECTION
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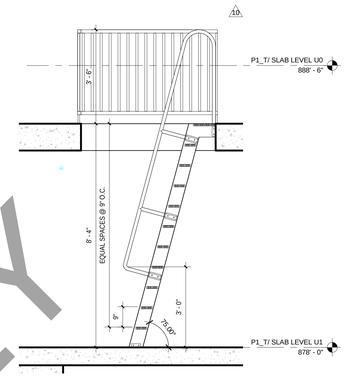
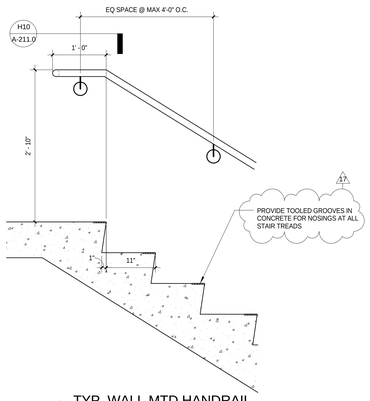
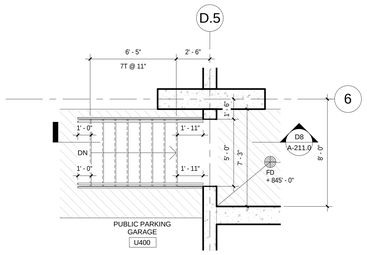


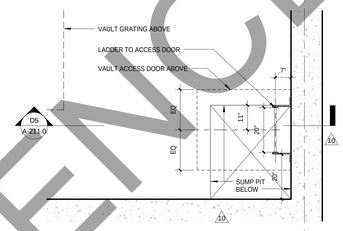
C2 SHIPS LADDER STAIR SECTION - EQUIPMENT PLATFORM
SCALE: 1/2" = 1'-0"



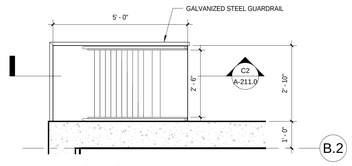
F12 TYP. WALL MTD HANDRAIL AT TOP RUN
SCALE: 1" = 1'-0"



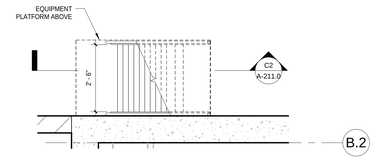
F8 ENLARGED STAIR PLAN - LEVEL U4 RAMP
SCALE: 1/4" = 1'-0"



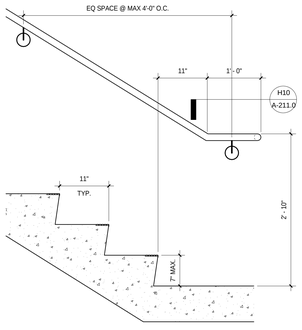
F5 LADDER STAIR PLAN LEVEL U0 - ELEC VAULT
SCALE: 1/2" = 1'-0"



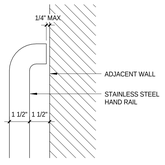
D2 SHIPS LADDER STAIR PLAN LEVEL U0 - EQUIP PLATFORM
SCALE: 1/2" = 1'-0"



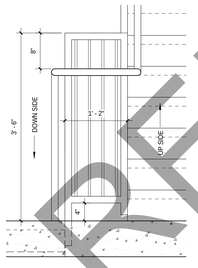
F2 SHIPS LADDER STAIR PLAN LEVEL U1 - TO EQUIP PLATFORM
SCALE: 1/2" = 1'-0"



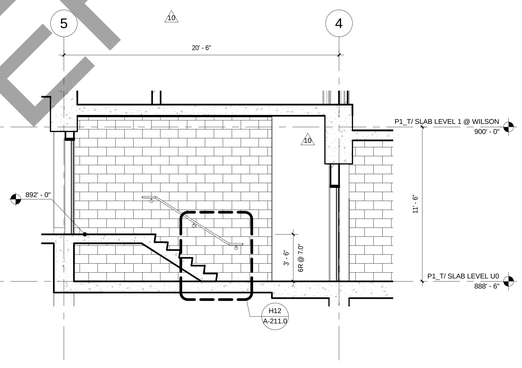
H12 TYP. WALL MOUNTED HANDRAIL AT BOTTOM RUN
SCALE: 1" = 1'-0"



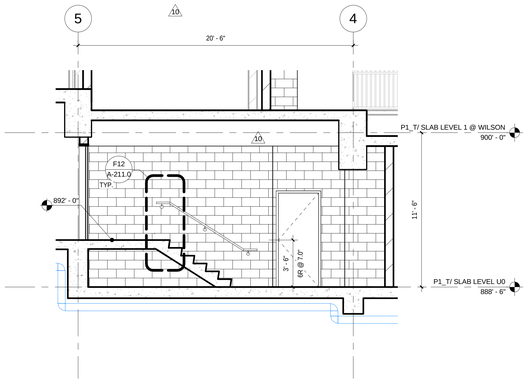
H10 TYP. DETAIL OF HANDRAIL RETURN AT WALL
SCALE: 3" = 1'-0"



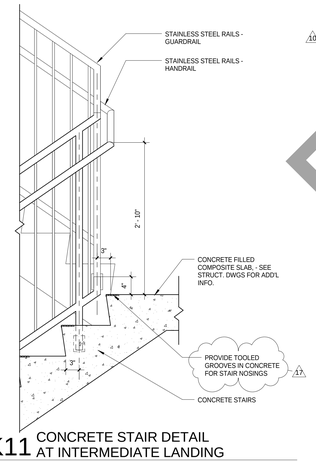
H8 TYP. CONCRETE STAIR RAILING DETAIL AT LANDING
SCALE: 1" = 1'-0"



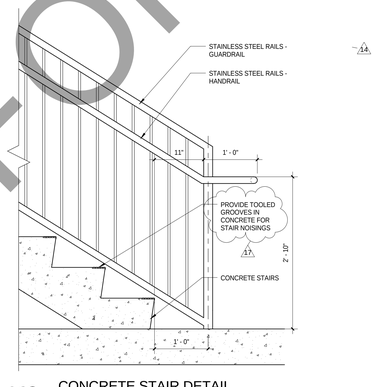
H6 ENLARGED STAIR SECTION - EQUIPMENT PLATFORM - CORRIDOR U012
SCALE: 1/4" = 1'-0"



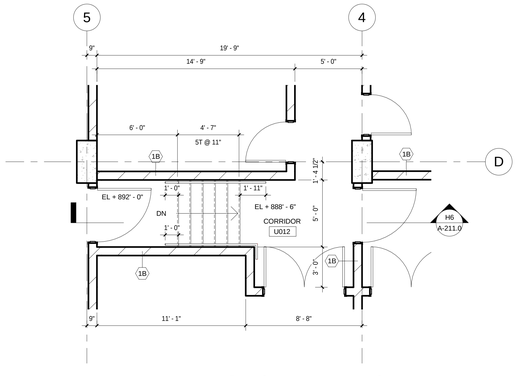
H3 ENLARGED STAIR SECTION - CENTER EAST CORE - EQUIPMENT PLATFORM
SCALE: 1/4" = 1'-0"



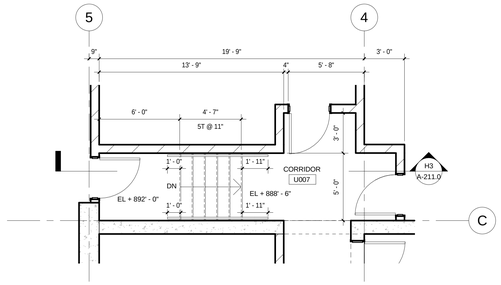
K11 CONCRETE STAIR DETAIL AT INTERMEDIATE LANDING
SCALE: 1" = 1'-0"



K9 CONCRETE STAIR DETAIL AT INTERMEDIATE LANDING
SCALE: 1" = 1'-0"



K6 ENLARGED STAIR PLAN AT EQUIPMENT PLATFORM - CORRIDOR U012
SCALE: 1/4" = 1'-0"



K3 ENLARGED STAIR PLAN - CENTER EAST CORE - EQUIPMENT PLATFORM
SCALE: 1/4" = 1'-0"

FOR REFERENCE ONLY

General Notes

No.	Description	Date
17	BULLETIN #7	10/15/2018
14	BULLETIN #5	05/14/2018
10	BULLETIN #1	11/08/2017
9	BID DOCUMENTS	09/07/2017
8	ADDENDUM #3	08/02/2017
6	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
5	ISSUED FOR FINAL BID	06/23/2017
4	ISSUED FOR BID	06/16/2017
3	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017

JUDGE DOYLE SQUARE - PODIUM

JUDGE DOYLE SQUARE

CITY OF MADISON

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
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Drawing Title

ENLARGED STAIR PLANS & SECTIONS

Drawn	Date
Author	10/15/2018 3:55:42 PM
Checked By	Drawing Number
Checker	A-211.0
Approved	
Approver	
Job Number	
217-1088	

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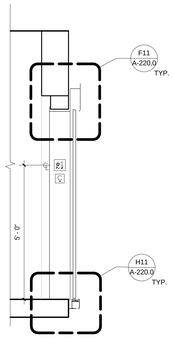
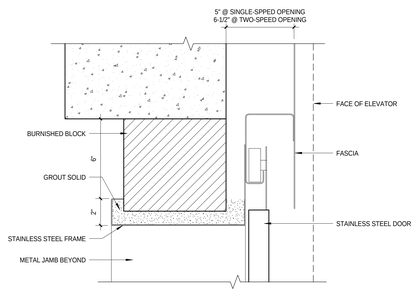


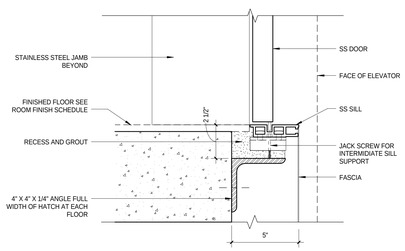
D11 ELEVATOR CAB SECTION

SCALE: 1/2" = 1'-0"



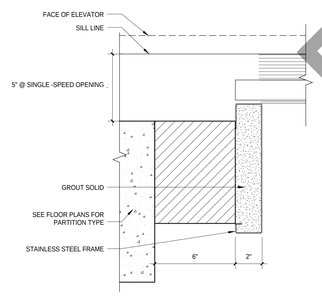
F11 ELEVATOR JAMB DETAIL @ MASONRY OR CONCRETE PARTITION

SCALE: 3" = 1'-0"



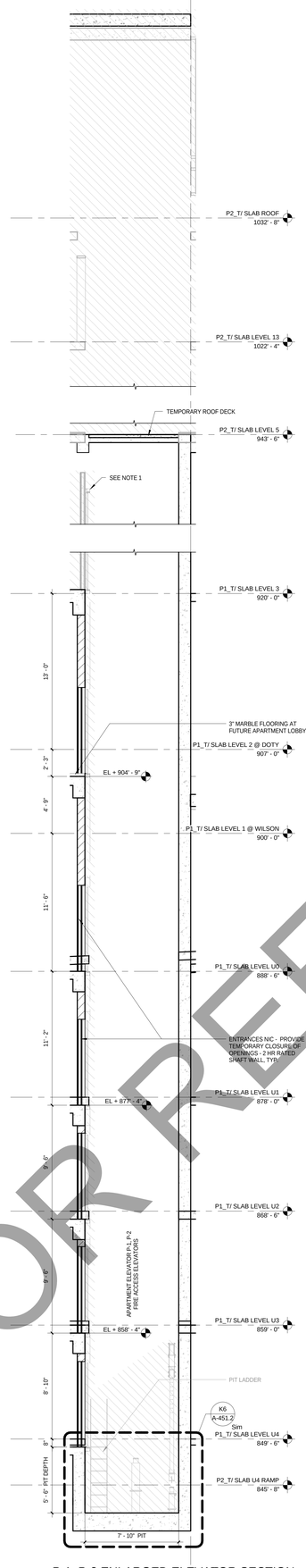
H11 ELEVATOR SILL DETAIL @ SINGLE SPEED OPENING

SCALE: 3" = 1'-0"



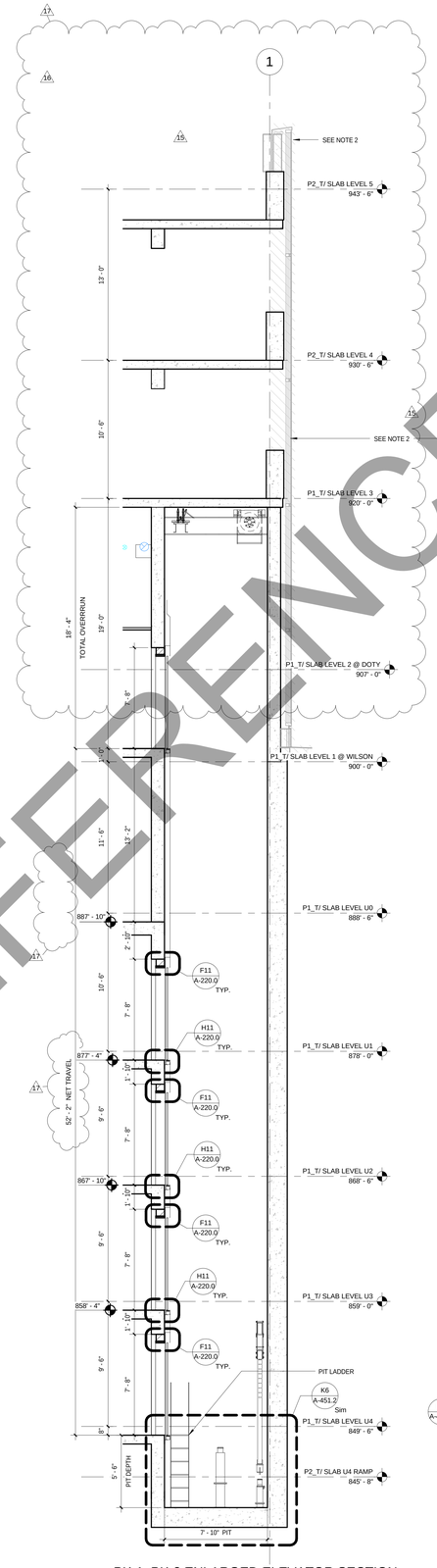
K11 ELEVATOR JAMB DETAIL @ MASONRY OR CONCRETE PARTITION

SCALE: 3" = 1'-0"



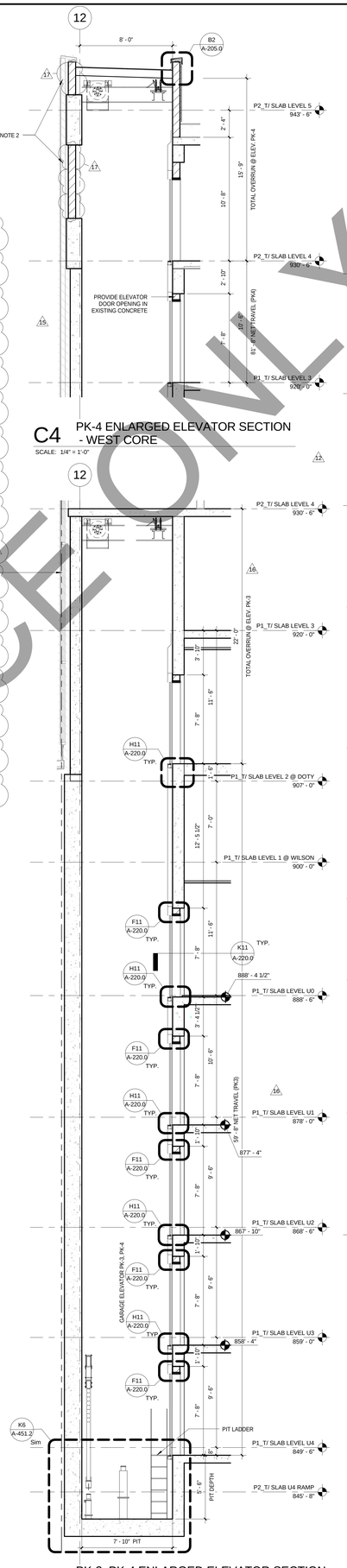
K8 P-1, P-2 ENLARGED ELEVATOR SECTION - CENTER WEST CORE

SCALE: 1/4" = 1'-0"



K6 PK-1, PK-2 ENLARGED ELEVATOR SECTION - EAST CORE

SCALE: 1/4" = 1'-0"

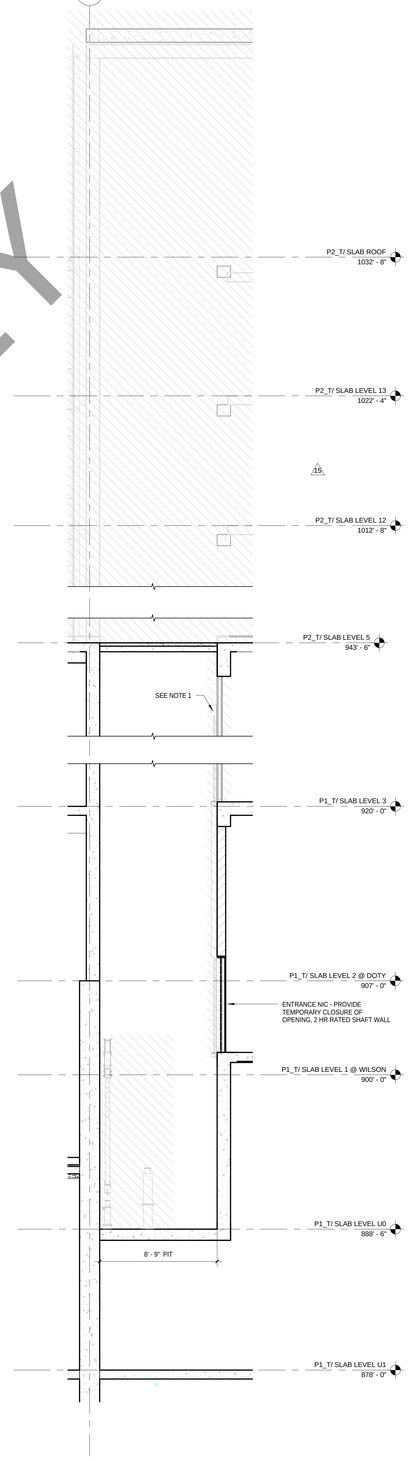


K4 PK-3, PK-4 ENLARGED ELEVATOR SECTION - WEST CORE

SCALE: 1/4" = 1'-0"

C4 PK-4 ENLARGED ELEVATOR SECTION - WEST CORE

SCALE: 1/4" = 1'-0"



J2 S-1 ENLARGED ELEVATOR SECTION - CENTER EAST CORE

SCALE: 1/4" = 1'-0"

FOR REFERENCE ONLY

General Notes

NOTE 1: CONSTRUCTION SHOWN HALF-TONE IS FOR INFORMATION ONLY - SUSEQUENT DEVELOPMENT UNDER SEPARATE CONTRACT

NOTE 2 : ALL EXTERIOR WALL ENCLOSURE IS NOT IN CONTRACT UNLESS OTHERWISE NOTED

LEGEND

N.I.C. — **CONSTRUCTION ITEMS FOR REFERENCE ONLY - NOT IN CONTRACT - SUBJECT TO SEPARATE PERMIT**

No.	Description	Date
17	BULLETIN #7	10/15/2018
16	FINAL BULLETIN #6	09/14/2018
15	BULLETIN #6	08/03/2018
12	BULLETIN #3	03/05/2018
9	BID DOCUMENTS	09/07/2017
7	ADDENDUM #2	07/28/2017
6	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
5	ISSUED FOR FINAL BID	06/23/2017
4	ISSUED FOR BID	06/16/2017
3	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
2	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - PODIUM

JUDGE DOYLE SQUARE

CITY OF MADISON

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE

Drawing Title

ENLARGED ELEVATOR SECTIONS

Drawn	Date
Author	10/15/2018 3:56:19 PM
Checked By	**Drawing Number**
Checker	A-220.0
Approved	
Approver	
Job Number	
217-1088	

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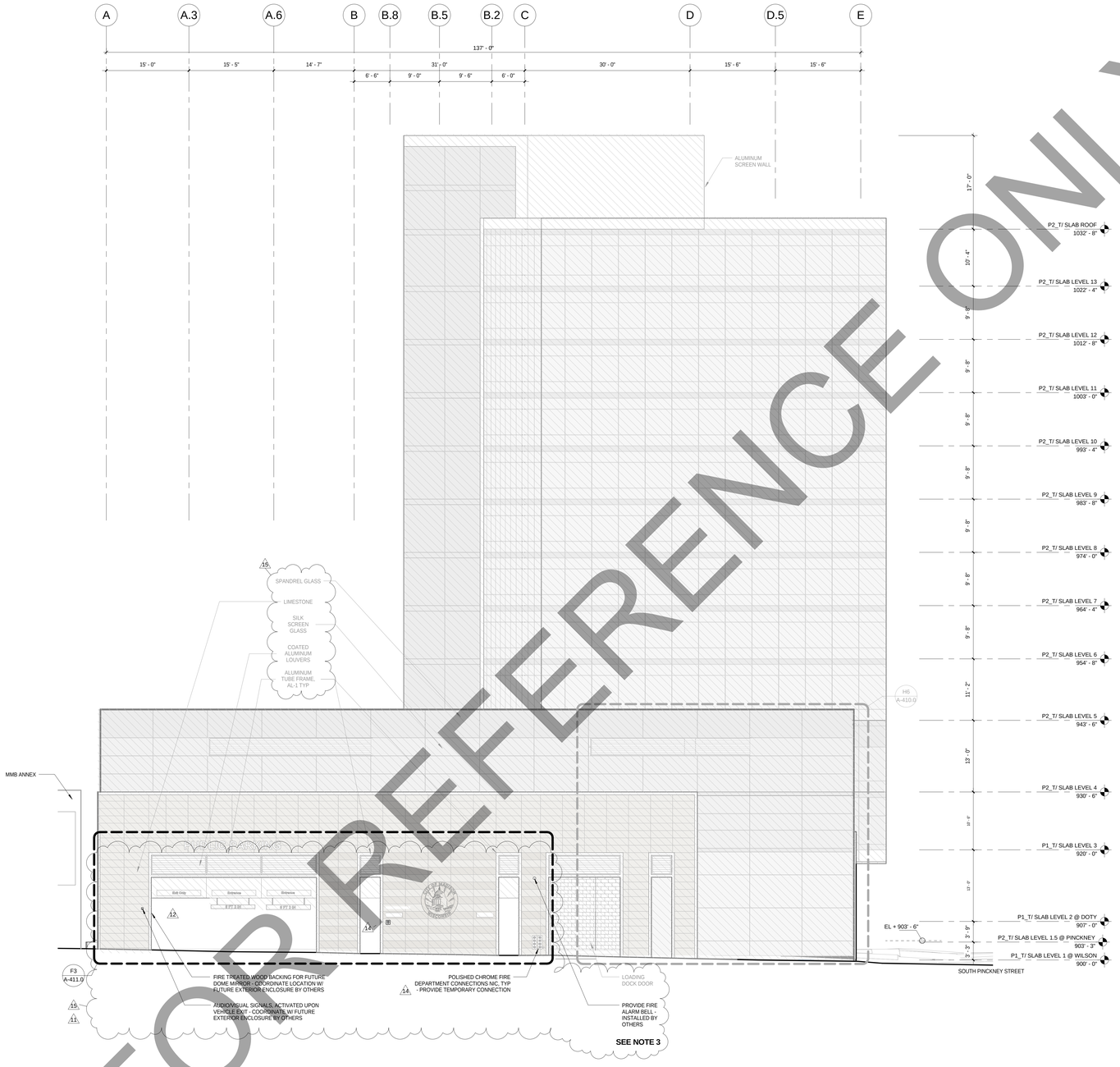

J6 SE ELEVATION - WILSON STREET

SCALE: 1/8" = 1'-0"

FOR REFERENCE ONLY

General Notes

NOTE 1: REFERENCE TEMPORARY ENCLOSURE DRAWINGS

NOTE 2: CONSTRUCTION SHOWN HALF-TONE IS FOR INFORMATION ONLY - SUSEQUENT DEVELOPMENT UNDER SEPARATE CONTRACT.

NOTE 3: EXTERIOR WALL ENCLOSURE IS NOT IN CONTRACT, UNLESS NOTED OTHERWISE

LEGEND

N.I.C. — **CONSTRUCTION ITEMS FOR REFERENCE ONLY - NOT IN CONTRACT - SUBJECT TO SEPARATE PERMIT**

No.	Description	Date
15	BULLETIN #6	08/03/2018
14	BULLETIN #5	05/14/2018
12	BULLETIN #3	03/05/2018
11	BULLETIN #2	12/07/2017
9	BID DOCUMENTS	09/07/2017
6	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
5	ISSUED FOR FINAL BID	06/23/2017
4	ISSUED FOR BID	06/16/2017
3	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
2	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017
1	ISSUED FOR SCHEMATIC DESIGN	02/03/2017

JUDGE DOYLE SQUARE - PODIUM

JUDGE DOYLE SQUARE

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MADISON | CHICAGO | ST. LOUIS

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WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
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A WSP | PARSONS BRINCKERHOFF COMPANY

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
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LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

EXTERIOR ELEVATION - WILSON STREET

Drawn	Date
Author	8/3/2018 5:33:46 PM
Checked By	**Drawing Number**
Checker	
Approved	
Approver	
Job Number	
217-1088	

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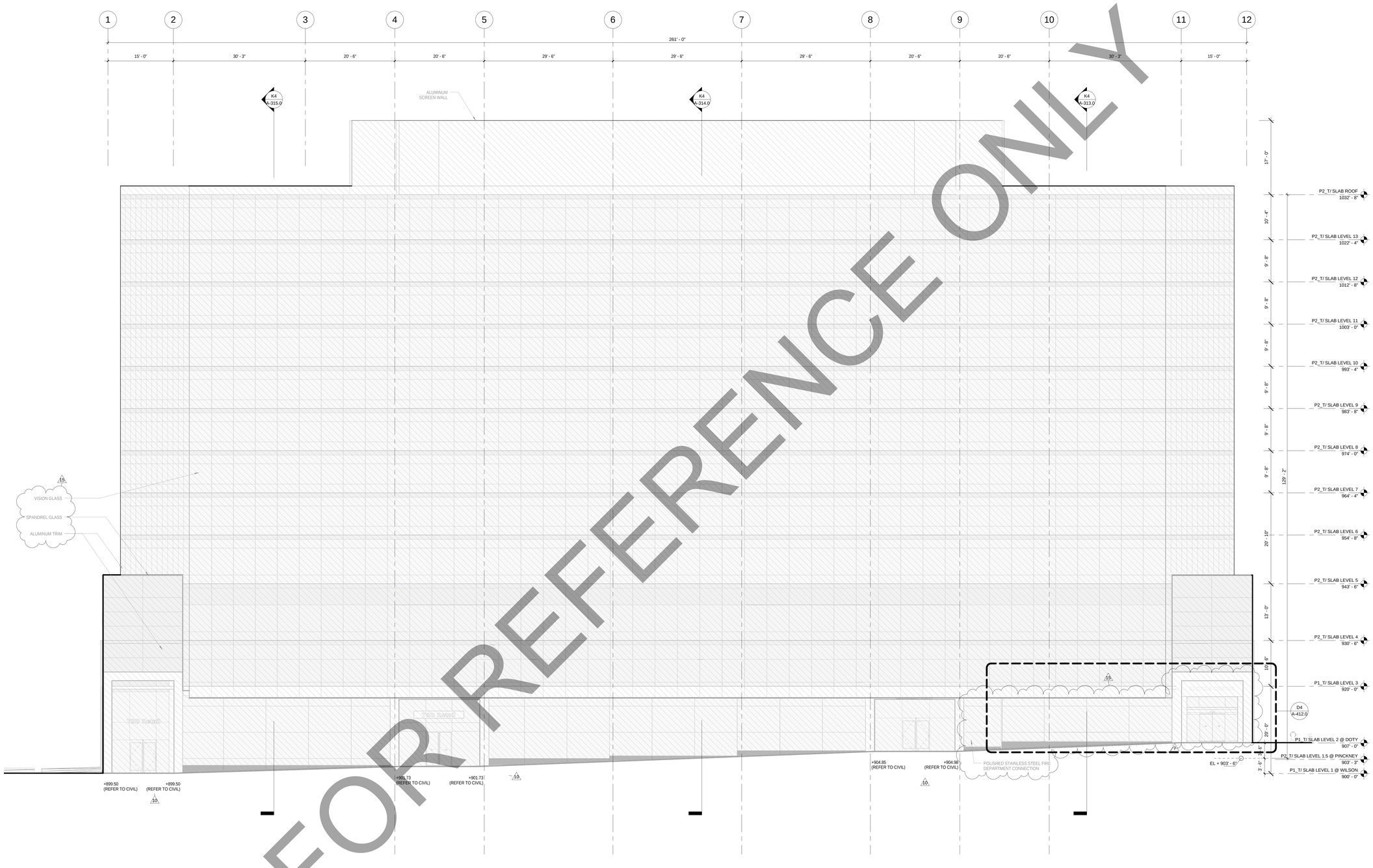

FOR REFERENCE ONLY

NOTE: EXTERIOR ENCLOSURE NOT IN CONTRACT

19

J3 NE ELEVATION - PINCKNEY STREET

SCALE: 1/8" = 1'-0"

General Notes

NOTE 1: REFERENCE TEMPORARY ENCLOSURE DRAWINGS

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NOTE 3: EXTERIOR WALL ENCLOSURE IS NOT IN CONTRACT, UNLESS NOTED OTHERWISE.

19
15

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No.	Description	Date
15	BULLETIN #6	08/03/2018
10	BULLETIN #1	11/08/2017
9	BID DOCUMENTS	09/07/2017
7	ADDENDUM #2	07/28/2017
6	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
5	ISSUED FOR FINAL BID	06/23/2017
4	ISSUED FOR BID	06/16/2017
3	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
2	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017
1	ISSUED FOR SCHEMATIC DESIGN	02/03/2017

JUDGE DOYLE SQUARE - PODIUM

JUDGE DOYLE SQUARE

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PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

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A WSP | PARSONS BRINCKERHOFF COMPANY

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

EXTERIOR ELEVATION - PICKNEY STREET

Drawn	Date
Author	8/3/2018 5:33:57 PM
Checked By	**Drawing Number**
Checker	A-301.0
Approved	
Approver	
Job Number	
217-1088	

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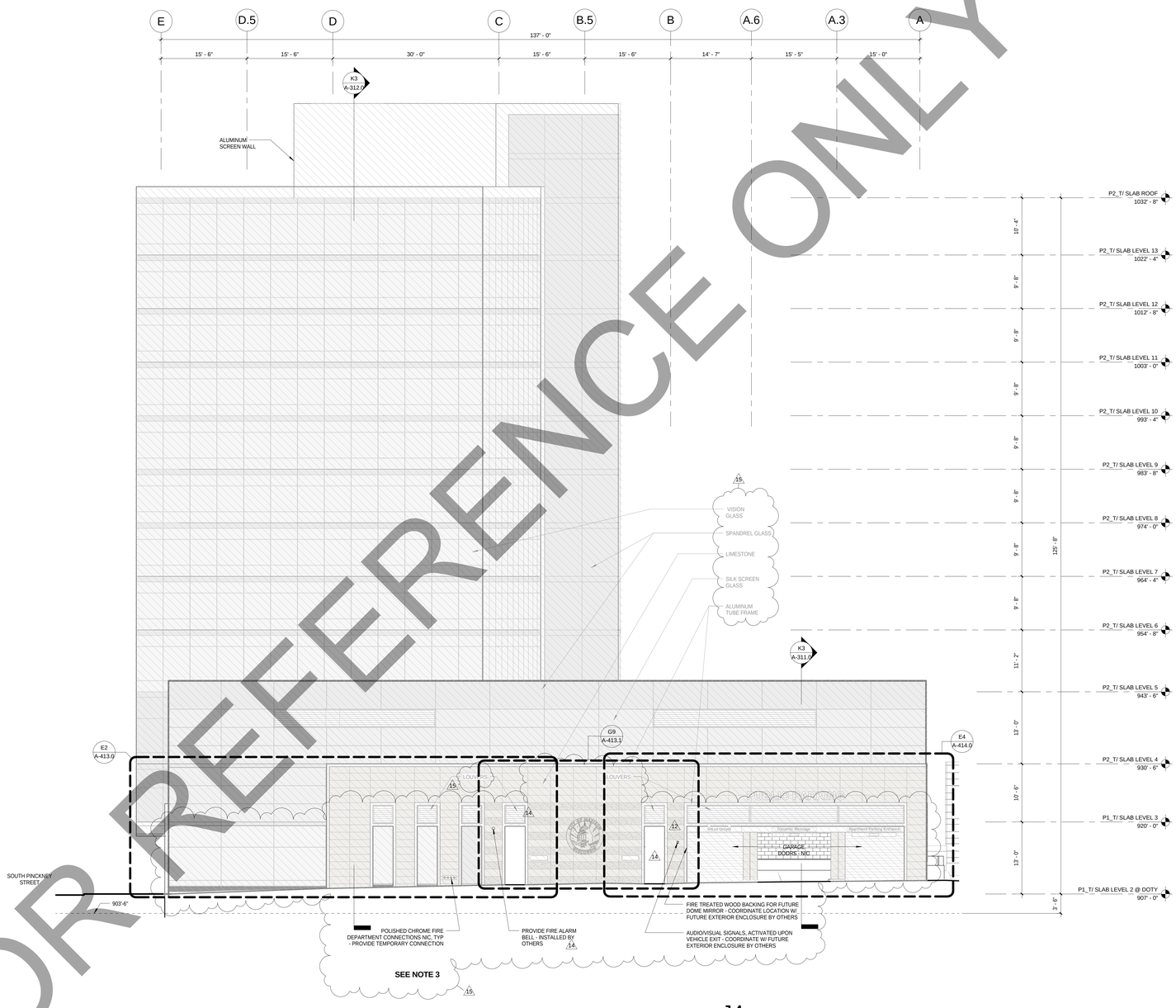

J4 NW ELEVATION - DOTY STREET

SCALE: 1/8" = 1'-0"

FOR REFERENCE ONLY

General Notes

NOTE 1: REFERENCE TEMPORARY ENCLOSURE DRAWINGS

NOTE 2: CONSTRUCTION SHOWN HALF-TONE IS FOR INFORMATION ONLY - SUSEQUENT DEVELOPMENT UNDER SEPARATE CONTRACT

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N.I.C. — **CONSTRUCTION ITEMS FOR REFERENCE ONLY - NOT IN CONTRACT - SUBJECT TO SEPARATE PERMIT**

No.	Description	Date
15	BULLETIN #6	08/03/2018
14	BULLETIN #5	05/14/2018
12	BULLETIN #3	03/05/2018
11	BULLETIN #2	12/07/2017
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4	ISSUED FOR BID	06/16/2017
3	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
2	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017
1	ISSUED FOR SCHEMATIC DESIGN	02/03/2017

JUDGE DOYLE SQUARE - PODIUM

JUDGE DOYLE SQUARE

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ARCHITECT:
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MADISON CHICAGO ST. LOUIS

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MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

EXTERIOR ELEVATION - DOTY STREET

Drawn	Date
Author	8/3/2018 5:34:07 PM
Checked By	**Drawing Number**
Checker	
Approved	
Approver	
Job Number	
217-1088	

A-302.0

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FOR REFERENCE ONLY

SEE NOTE 3

19

J3 SW ELEVATION

SCALE: 1/8" = 1'-0"

General Notes

NOTE 1: REFERENCE TEMPORARY ENCLOSURE DRAWINGS

NOTE 2: CONSTRUCTION SHOWN HALF-TONE IS FOR INFORMATION ONLY - SUSEQUENT DEVELOPMENT UNDER SEPARATE CONTRACT.

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N.I.C. — **CONSTRUCTION ITEMS FOR REFERENCE ONLY - NOT IN CONTRACT - SUBJECT TO SEPARATE PERMIT**

No.	Description	Date
15	BULLETIN #6	08/03/2018
9	BID DOCUMENTS	09/07/2017
6	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
5	ISSUED FOR FINAL BID	06/23/2017
4	ISSUED FOR BID	06/16/2017
3	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
2	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017
1	ISSUED FOR SCHEMATIC DESIGN	02/03/2017

JUDGE DOYLE SQUARE - PODIUM

JUDGE DOYLE SQUARE

CITY OF MADISON

ARCHITECT:
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ASSOCIATE ARCHITECT:
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PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

EXTERIOR ELEVATION - MMB

Drawn	Date
Author	8/3/2018 5:34:18 PM
Checked By	**Drawing Number**
Checker	A-303.0
Approved	
Approver	
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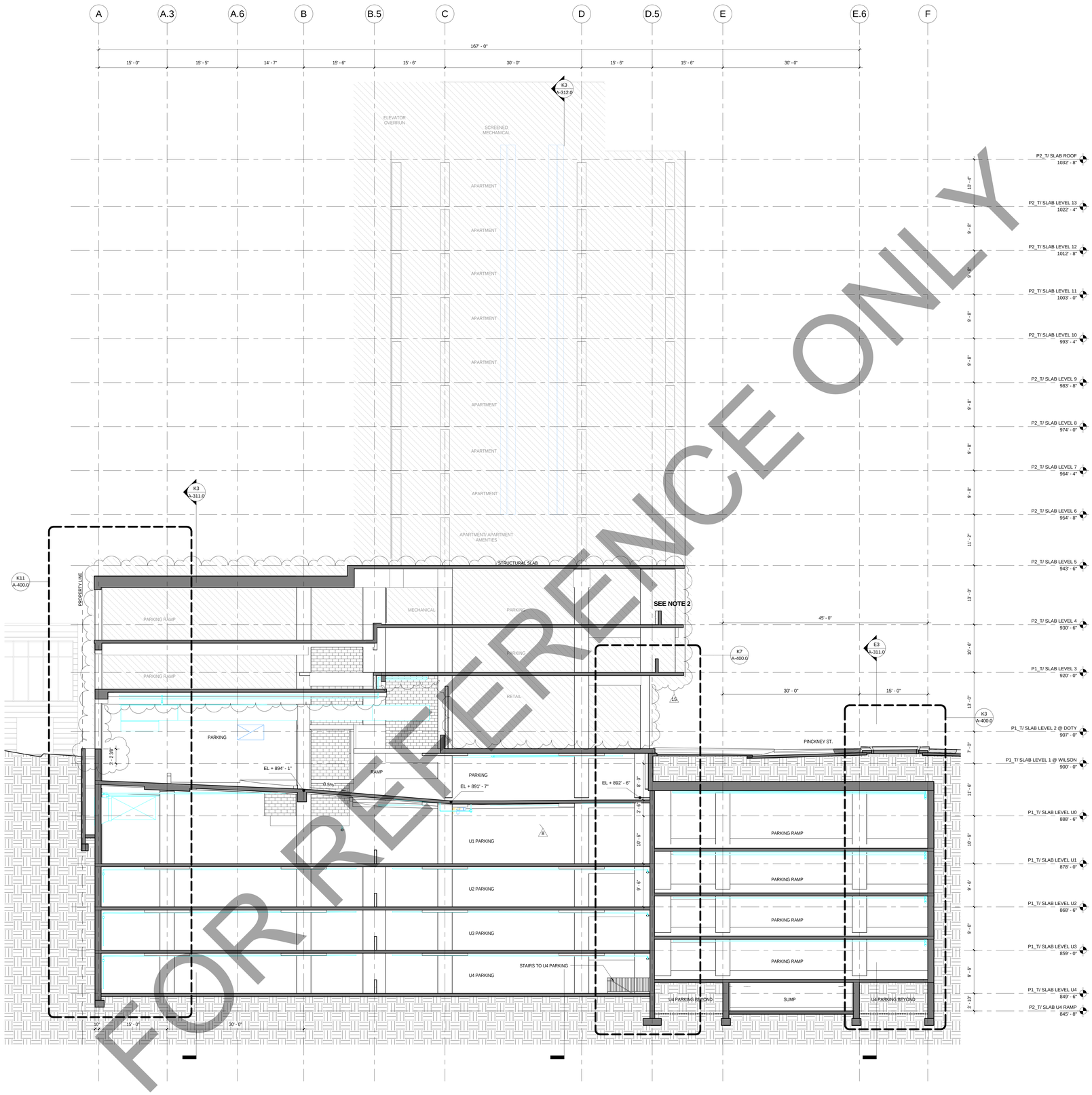

FOR REFERENCE ONLY

K4 BUILDING SECTION FACING DOTY STREET

SCALE: 1/8" = 1'-0"

General Notes

NOTE 1: CONSTRUCTION SHOWN HALF-TONE IS FOR INFORMATION ONLY - SUSEQUENT DEVELOPMENT UNDER SEPARATE CONTRACT.

NOTE 2 : ALL EXTERIOR WALL ENCLOSURE IS NOT IN CONTRACT UNLESS OTHERWISE NOTED

LEGEND

N.I.C. — **CONSTRUCTION ITEMS FOR REFERENCE ONLY - NOT IN CONTRACT - SUBJECT TO SEPARATE PERMIT**

No.	Description	Date
15	BULLETIN #6	08/03/2018
9	BID DOCUMENTS	09/07/2017
8	ADDENDUM #3	08/02/2017
6	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
5	ISSUED FOR FINAL BID	06/23/2017
4	ISSUED FOR BID	06/16/2017
3	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
2	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017
1	ISSUED FOR SCHEMATIC DESIGN	02/03/2017

JUDGE DOYLE SQUARE - PODIUM

JUDGE DOYLE SQUARE

CITY OF MADISON

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS
MADISON | CHICAGO | ST. LOUIS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS
A WSP | PARSONS BRINCKERHOFF COMPANY

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

BUILDING SECTIONS

Drawn	Date
Author	8/3/2018 5:34:26 PM
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Checker	
Approved	
Approver	
Job Number	
217-1088	

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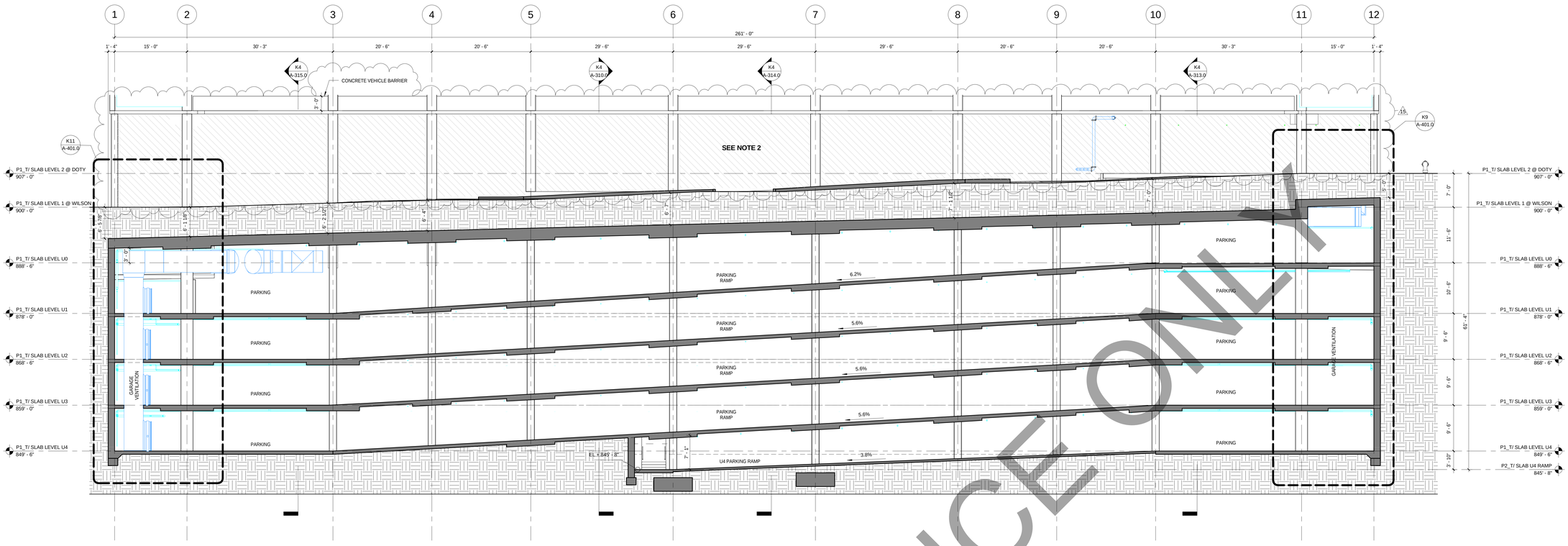
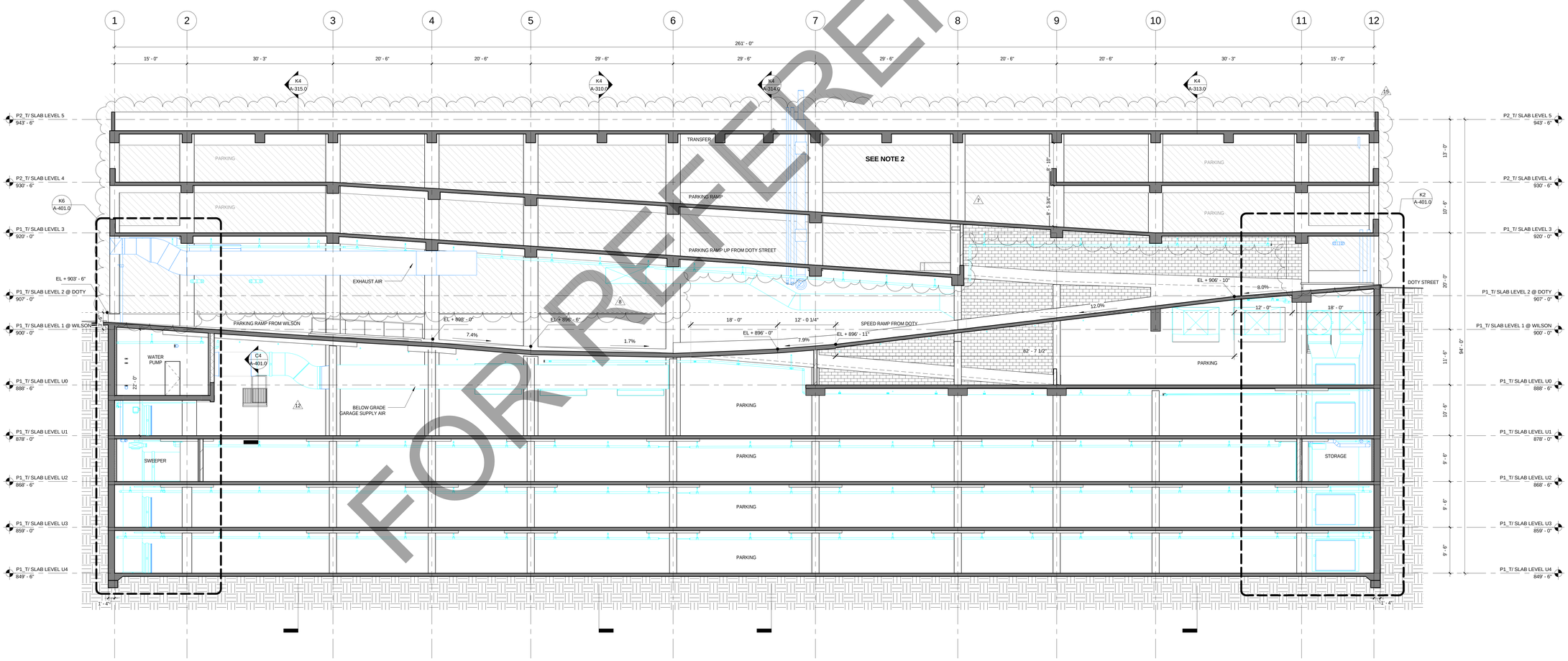


E3 BUILDING SECTION BELOW PINCKNEY STREET - FACING MMB

SCALE: 1/8" = 1'-0"



K3 BUILDING SECTION AT PODIUM - FACING MMB

SCALE: 1/8" = 1'-0"

FOR REFERENCE ONLY

General Notes

NOTE 1: CONSTRUCTION SHOWN HALF-TONE IS FOR INFORMATION ONLY - SUSEQUENT DEVELOPMENT UNDER SEPARATE CONTRACT

NOTE 2 : ALL EXTERIOR WALL ENCLOSURE IS NOT IN CONTRACT UNLESS OTHERWISE NOTED

LEGEND

N.I.C. — **CONSTRUCTION ITEMS FOR REFERENCE ONLY - NOT IN CONTRACT - SUBJECT TO SEPARATE PERMIT**

No.	Description	Date
15	BULLETIN #6	08/03/2018
12	BULLETIN #3	03/05/2018
9	BID DOCUMENTS	09/07/2017
8	ADDENDUM #3	08/02/2017
7	ADDENDUM #2	07/28/2017
6	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
5	ISSUED FOR FINAL BID	06/23/2017
4	ISSUED FOR BID	06/16/2017
3	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
2	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017
1	ISSUED FOR SCHEMATIC DESIGN	02/03/2017

JUDGE DOYLE SQUARE - PODIUM

JUDGE DOYLE SQUARE

CITY OF MADISON

ARCHITECT: lothan van hook destefano ARCHITECTURE LLC
ASSOCIATE ARCHITECT: INSITE CONSULTING ARCHITECTS
PARKING CONSULTANT: WALKER PARKING CONSULTANTS
STRUCTURAL ENGINEERS: HALVORSON AND PARTNERS
MEP/FP ENGINEERS: AEI Affiliated Engineers
CIVIL ENGINEERS: Mead & Hunt
LANDSCAPE ARCHITECT: WOLFF LANDSCAPE ARCHITECTURE

Drawing Title

BUILDING SECTIONS

Drawn	Date
Author	8/3/2018 5:34:39 PM
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Checker	A-311.0
Approved	
Approver	
Job Number	
217-1088	

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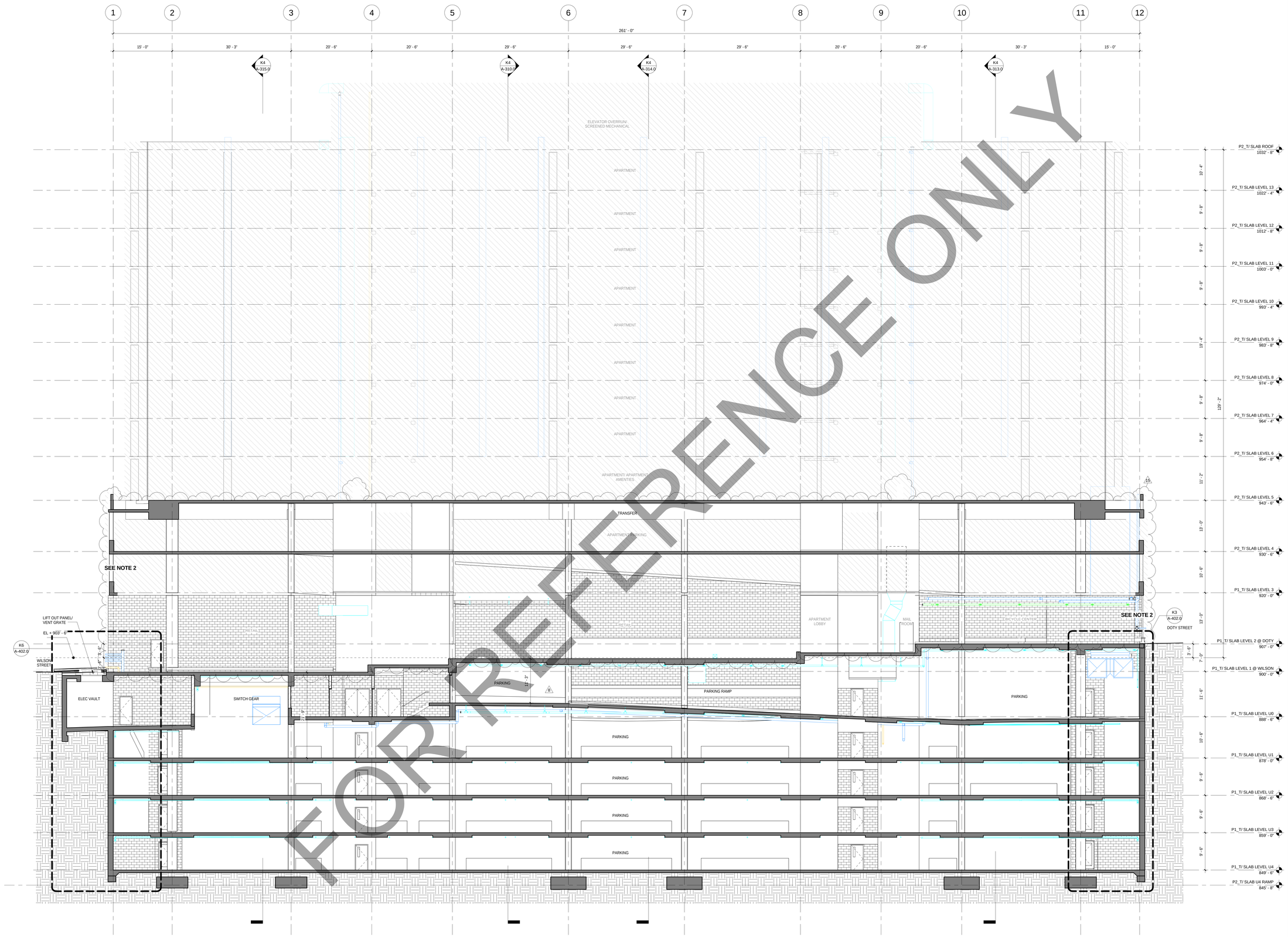

FOR REFERENCE ONLY

K3 BUILDING SECTION FACING MMB

SCALE: 1/8" = 1'-0"

General Notes

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15

LEGEND

N.I.C. — **CONSTRUCTION ITEMS FOR REFERENCE ONLY - NOT IN CONTRACT - SUBJECT TO SEPARATE PERMIT**

No.	Description	Date
15	BULLETIN #6	08/03/2018
9	BID DOCUMENTS	09/07/2017
8	ADDENDUM #3	08/02/2017
6	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
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1	ISSUED FOR SCHEMATIC DESIGN	02/03/2017

JUDGE DOYLE SQUARE - PODIUM

JUDGE DOYLE SQUARE

CITY OF MADISON

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE

Drawing Title

BUILDING SECTIONS

Drawn	Date
Author	8/3/2018 5:34:48 PM
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Approver	
Job Number	
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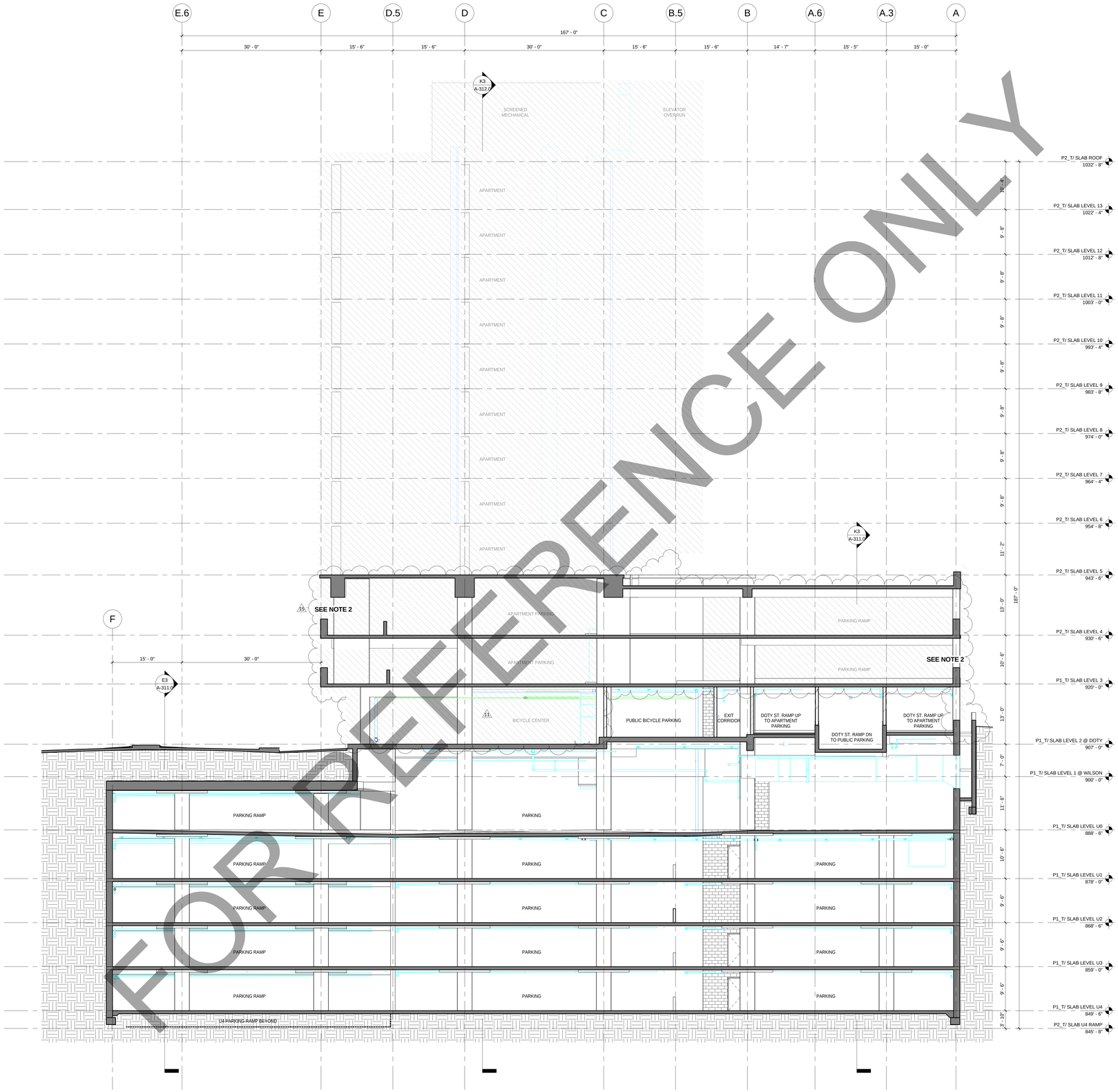

FOR REFERENCE ONLY

K4 BUILDING SECTION - WEST, FACING WILSON STREET

SCALE: 1/8" = 1'-0"

General Notes

NOTE 1: CONSTRUCTION SHOWN HALF-TONE IS FOR INFORMATION ONLY - SUSEQUENT DEVELOPMENT UNDER SEPARATE CONTRACT

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LEGEND

N.I.C. — **CONSTRUCTION ITEMS FOR REFERENCE ONLY - NOT IN CONTRACT - SUBJECT TO SEPARATE PERMIT**

No.	Description	Date
15	BULLETIN #6	08/03/2018
11	BULLETIN #2	12/07/2017
9	BID DOCUMENTS	09/07/2017
6	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
5	ISSUED FOR FINAL BID	06/23/2017
4	ISSUED FOR BID	06/16/2017
3	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
2	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017
1	ISSUED FOR SCHEMATIC DESIGN	02/03/2017

JUDGE DOYLE SQUARE - PODIUM

JUDGE DOYLE SQUARE

CITY OF MADISON

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

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INSITE CONSULTING ARCHITECTS
MADISON | CHICAGO | ST. LOUIS

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WALKER PARKING CONSULTANTS

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HALVORSON AND PARTNERS
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MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

BUILDING SECTIONS

Drawn	Date
Author	8/3/2018 5:34:57 PM
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Checker	
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Approver	
Job Number	
217-1088	

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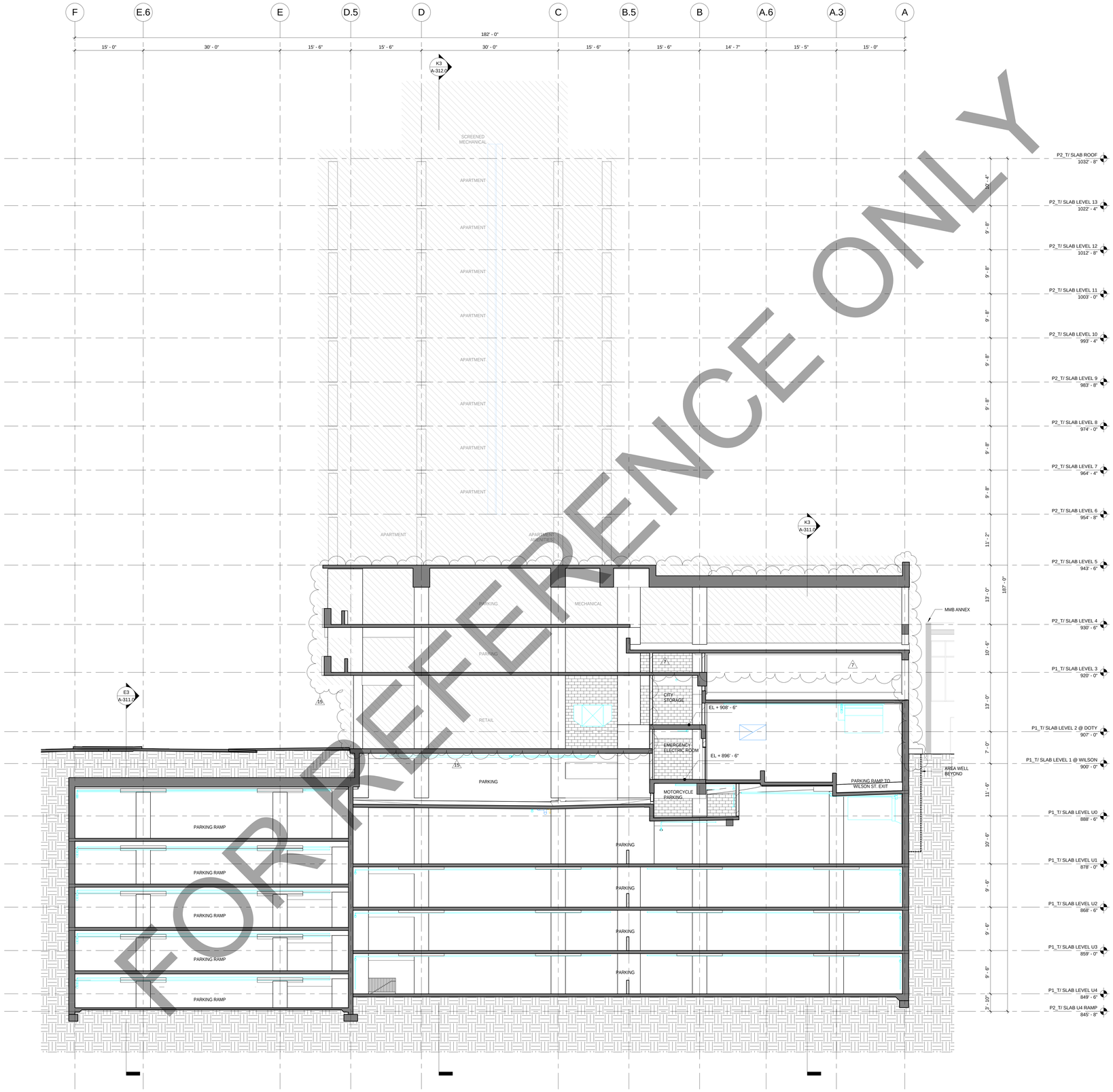

FOR REFERENCE ONLY

K4 BUILDING SECTION FACING WILSON STREET

SCALE: 1/8" = 1'-0"

General Notes

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LEGEND

N.I.C. — **CONSTRUCTION ITEMS FOR REFERENCE ONLY - NOT IN CONTRACT - SUBJECT TO SEPARATE PERMIT**

No.	Description	Date
15	BULLETIN #6	08/03/2018
9	BID DOCUMENTS	09/07/2017
7	ADDENDUM #2	07/28/2017
6	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
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4	ISSUED FOR BID	06/16/2017
3	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
2	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017
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JUDGE DOYLE SQUARE - PODIUM

JUDGE DOYLE SQUARE

CITY OF MADISON

ARCHITECT:
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MADISON | CHICAGO | ST. LOUIS

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WALKER PARKING CONSULTANTS

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A WSP / PARSONS BRINCKERHOFF COMPANY

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

BUILDING SECTIONS

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Author	8/3/2018 5:35:04 PM
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Approver	
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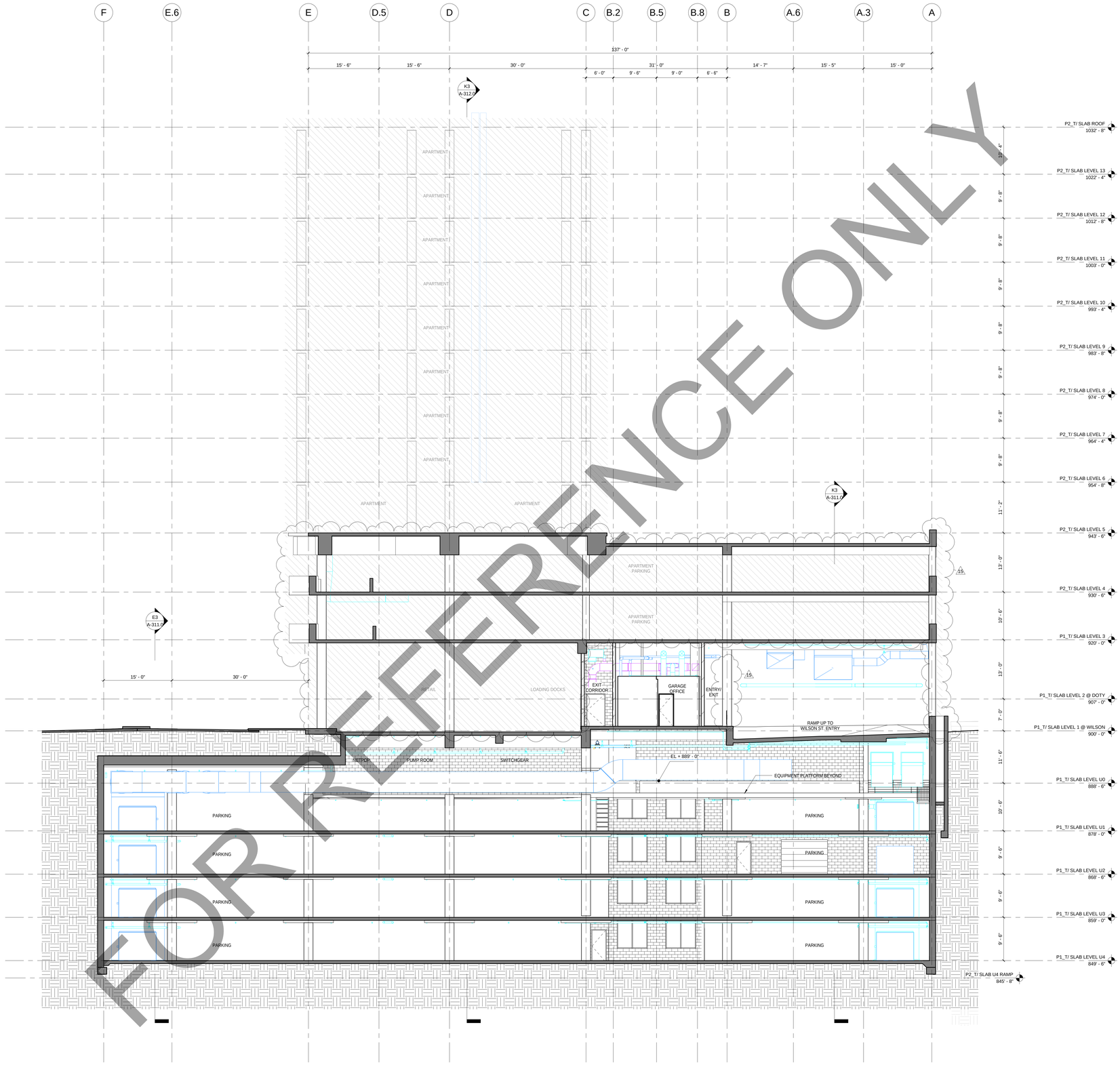

FOR REFERENCE ONLY

K4 BUILDING SECTION - EAST, FACING WILSON STREET

SCALE: 1/8" = 1'-0"

General Notes

NOTE 1: CONSTRUCTION SHOWN HALF-TONE IS FOR INFORMATION ONLY - SUSEQUENT DEVELOPMENT UNDER SEPARATE CONTRACT

NOTE 2 : ALL EXTERIOR WALL ENCLOSURE IS NOT IN CONTRACT UNLESS OTHERWISE NOTED

19

LEGEND

N.I.C. — **CONSTRUCTION ITEMS FOR REFERENCE ONLY - NOT IN CONTRACT - SUBJECT TO SEPARATE PERMIT**

No.	Description	Date
15	BULLETIN #6	08/03/2018
9	BID DOCUMENTS	09/07/2017
6	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
5	ISSUED FOR FINAL BID	06/23/2017
4	ISSUED FOR BID	06/16/2017
3	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
2	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017
1	ISSUED FOR SCHEMATIC DESIGN	02/03/2017

JUDGE DOYLE SQUARE - PODIUM

JUDGE DOYLE SQUARE

CITY OF MADISON

ARCHITECT:
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PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

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A WSP | PARSONS BRINCKERHOFF COMPANY

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

BUILDING SECTIONS

Drawn	Date
Author	8/3/2018 5:35:12 PM
Checked By	**Drawing Number**
Checker	
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Approver	
Job Number	
217-1088	

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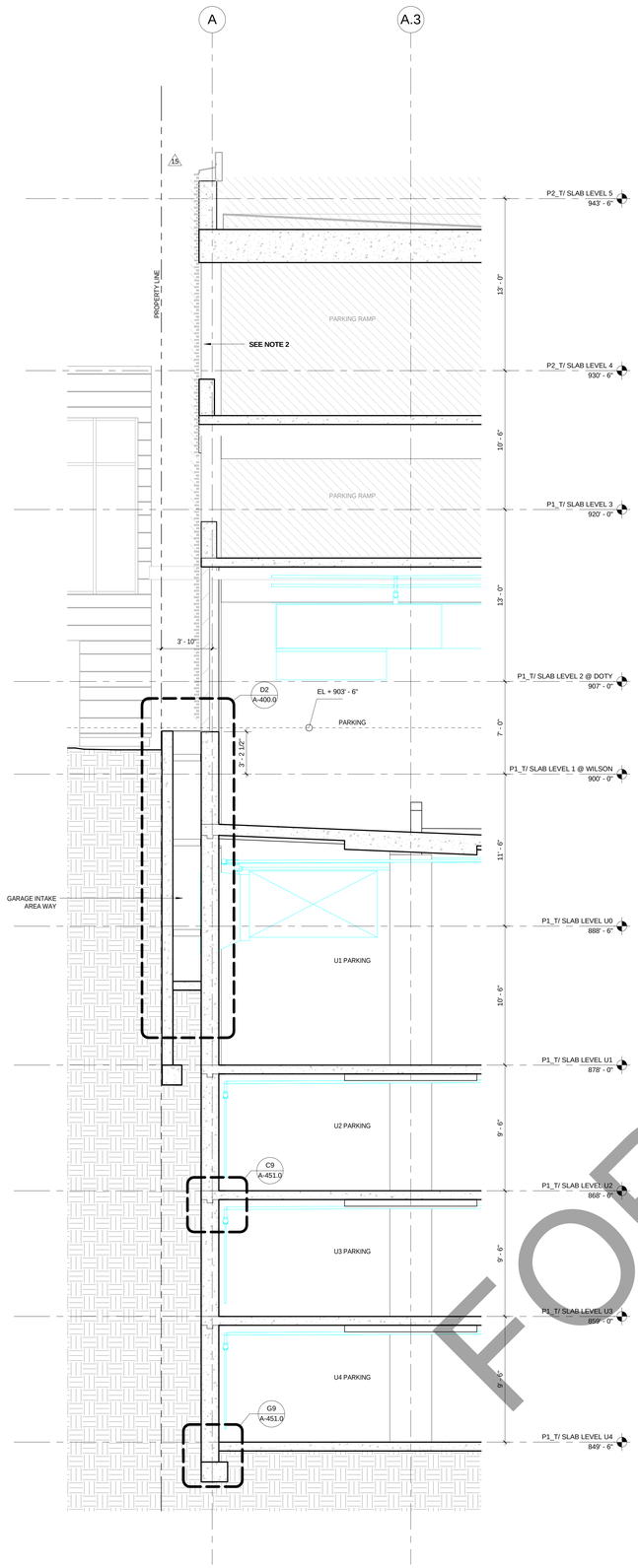
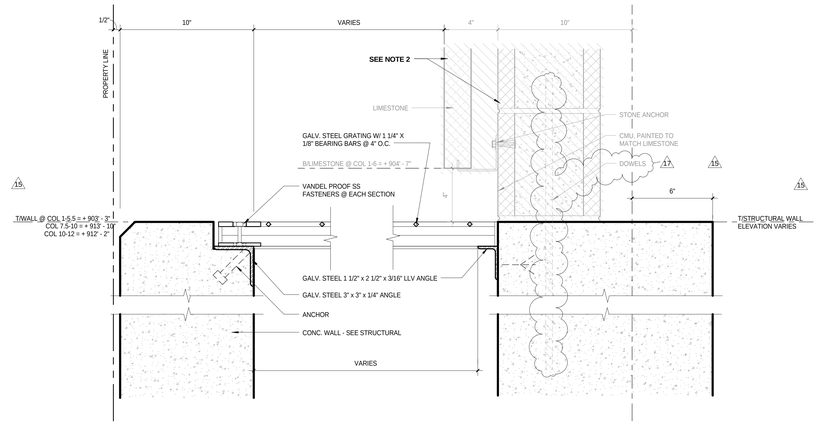


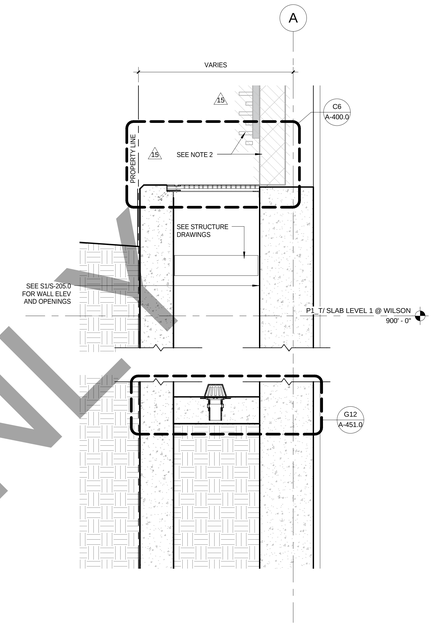
K11 ENLARGED BUILDING SECTION A-1

SCALE: 1/4" = 1'-0"



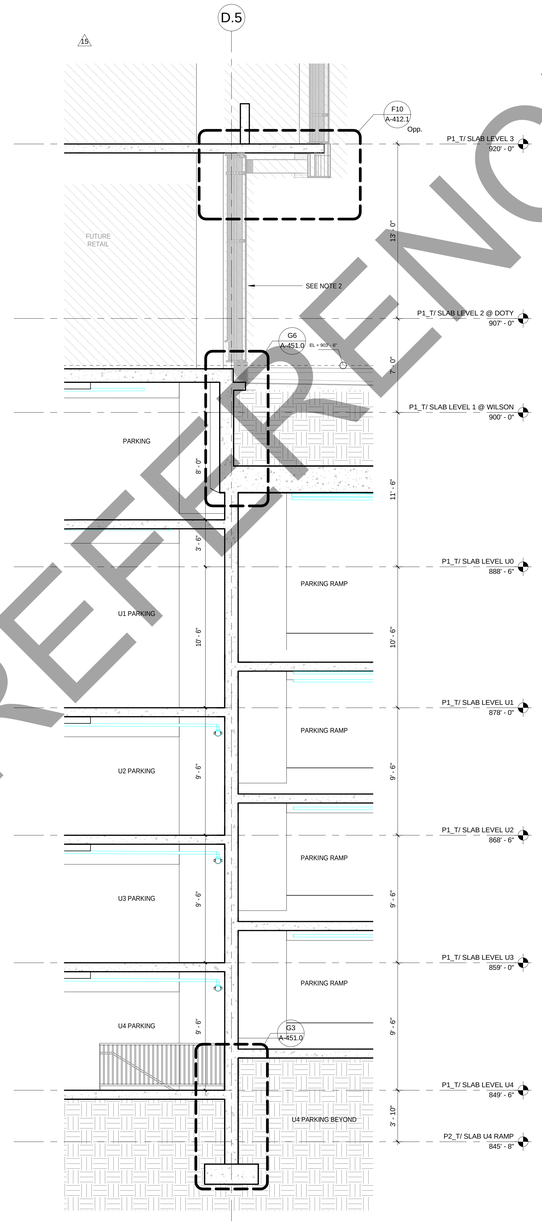
C6 TYP. AREA WAY DETAIL

SCALE: 3" = 1'-0"



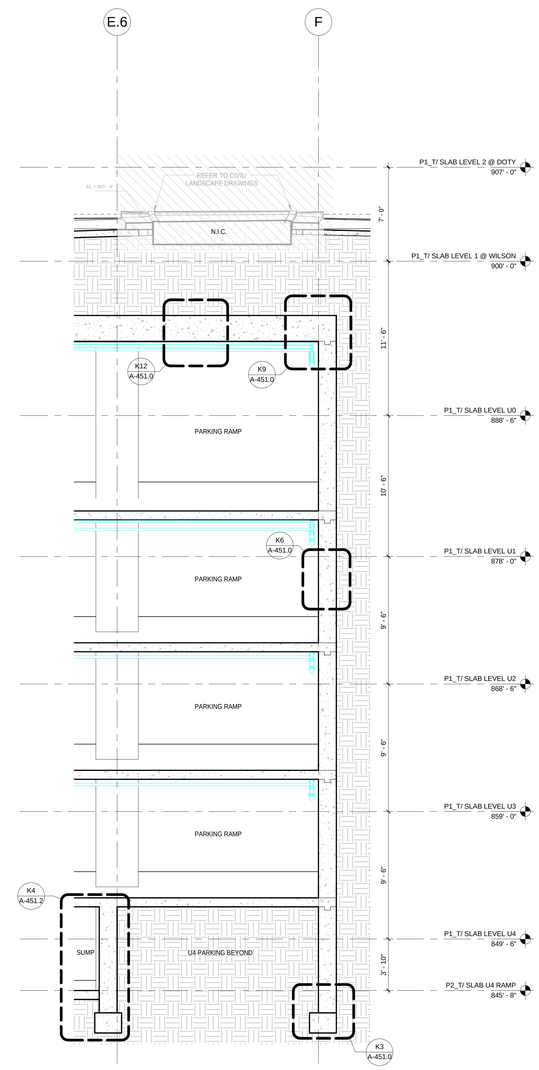
D2 ENLARGED WALL SECTION @ MMB AREA WAY

SCALE: 3/4" = 1'-0"



K7 ENLARGED BUILDING SECTION A-2

SCALE: 1/4" = 1'-0"



K3 ENLARGED BUILDING SECTION A-3

SCALE: 1/4" = 1'-0"

FOR REFERENCE ONLY

General Notes

NOTE 1: CONSTRUCTION SHOWN HALF-TONE IS FOR INFORMATION ONLY - SUSEQUENT DEVELOPMENT UNDER SEPARATE CONTRACT

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LEGEND

N.I.C.	**CONSTRUCTION ITEMS FOR REFERENCE ONLY - NOT IN CONTRACT - SUBJECT TO SEPARATE PERMIT**

No.	Description	Date
17	BULLETIN #7	10/15/2018
15	BULLETIN #6	08/03/2018
12	BULLETIN #3	03/05/2018
9	BID DOCUMENTS	09/07/2017
8	ADDENDUM #3	08/02/2017
7	ADDENDUM #2	07/28/2017
6	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
5	ISSUED FOR FINAL BID	06/23/2017
4	ISSUED FOR BID	06/16/2017
3	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
2	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - PODIUM

JUDGE DOYLE SQUARE

CITY OF MADISON

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS
MADISON | CHICAGO | ST. LOUIS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS
A WSP | PARSONS BRINCKERHOFF COMPANY

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

ENLARGED BUILDING SECTIONS

Drawn	Date
Author	10/15/2018 3:58:09 PM
Checked By	**Drawing Number**
Checker	A-400.0
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Approver	
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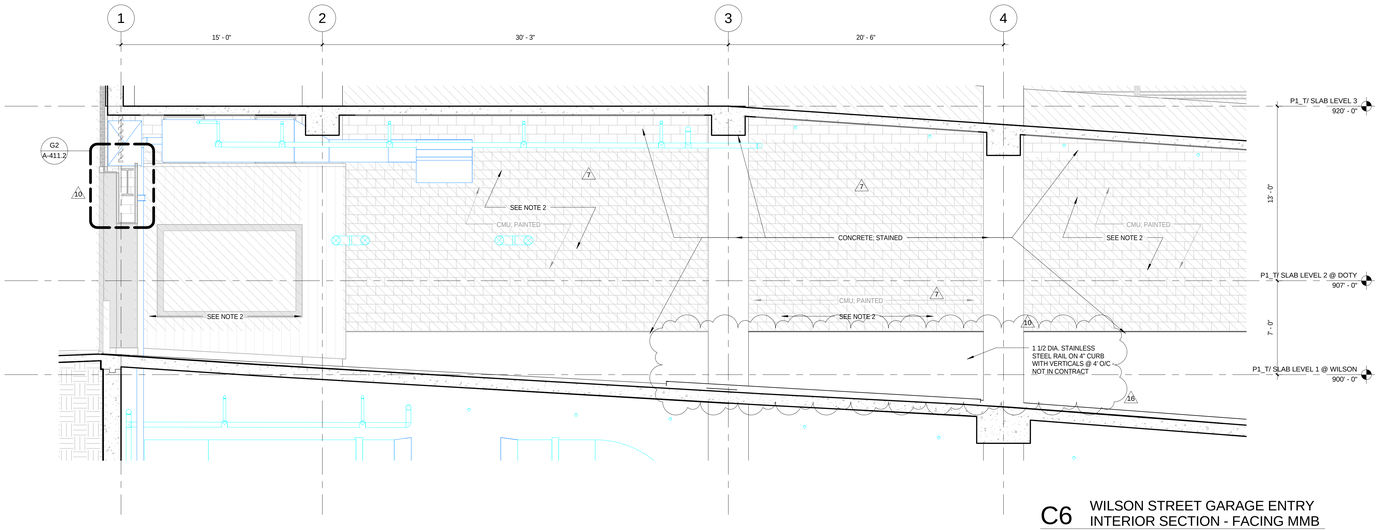
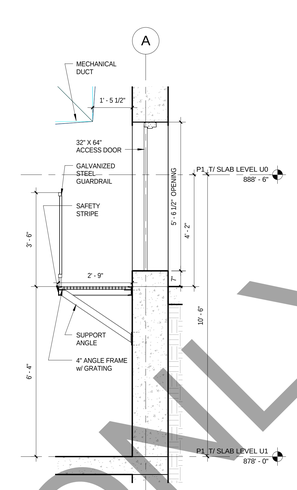


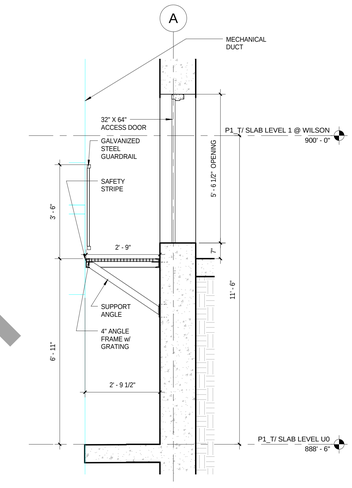
C6 WILSON STREET GARAGE ENTRY INTERIOR SECTION - FACING MMB

SCALE: 1/4" = 1'-0"



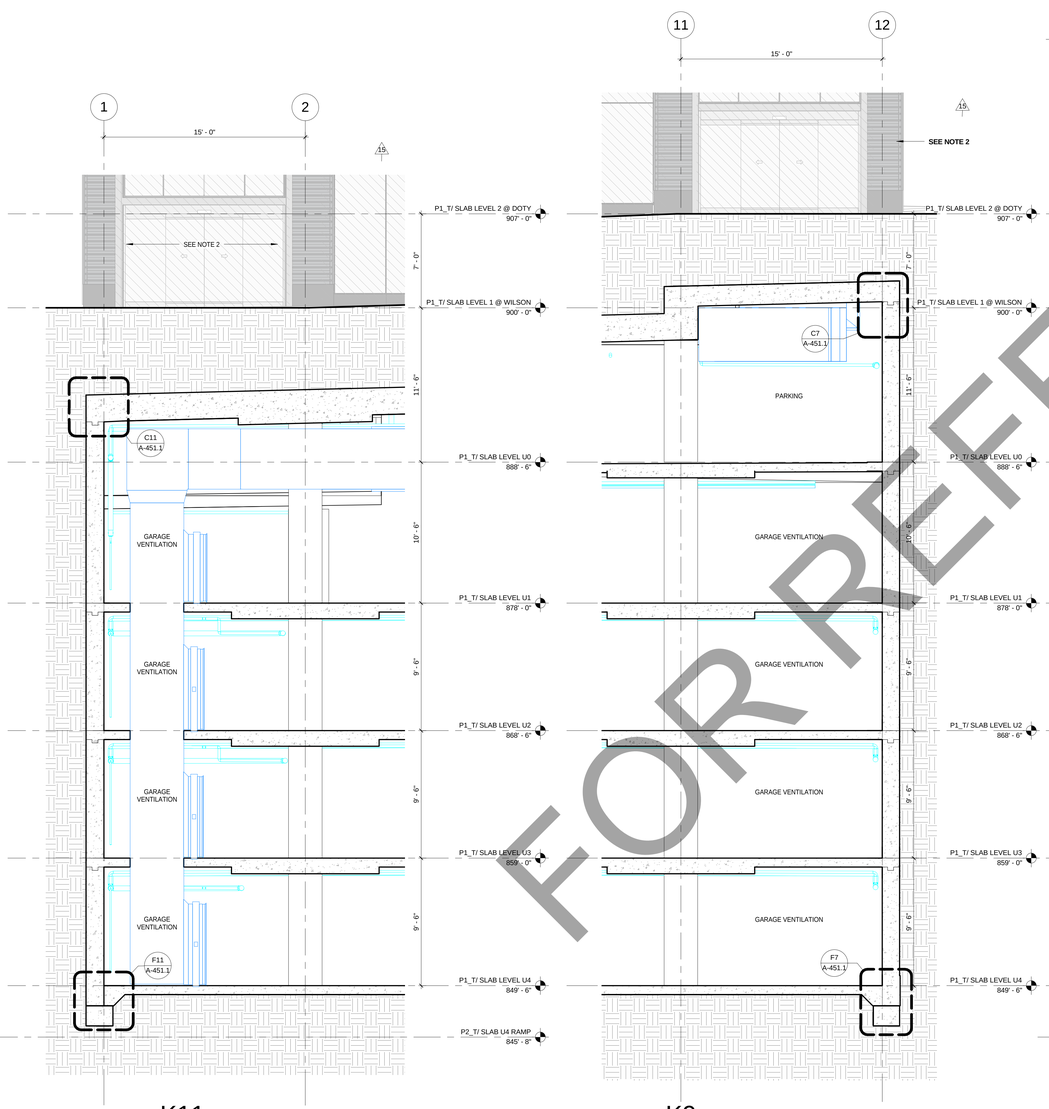
C4 SOUTH AREA WELL ACCESS DOOR DETAIL

SCALE: 1/2" = 1'-0"



C2 NORTH AREA WELL ACCESS DOOR DETAIL

SCALE: 1/2" = 1'-0"

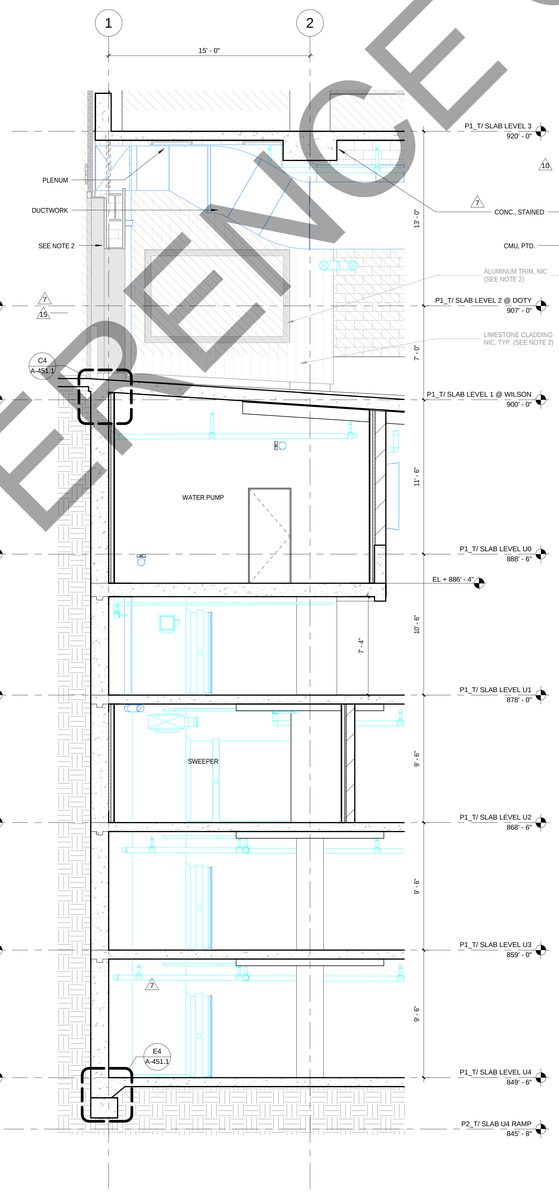


K11 ENLARGED BUILDING SECTION B-1

SCALE: 1/4" = 1'-0"

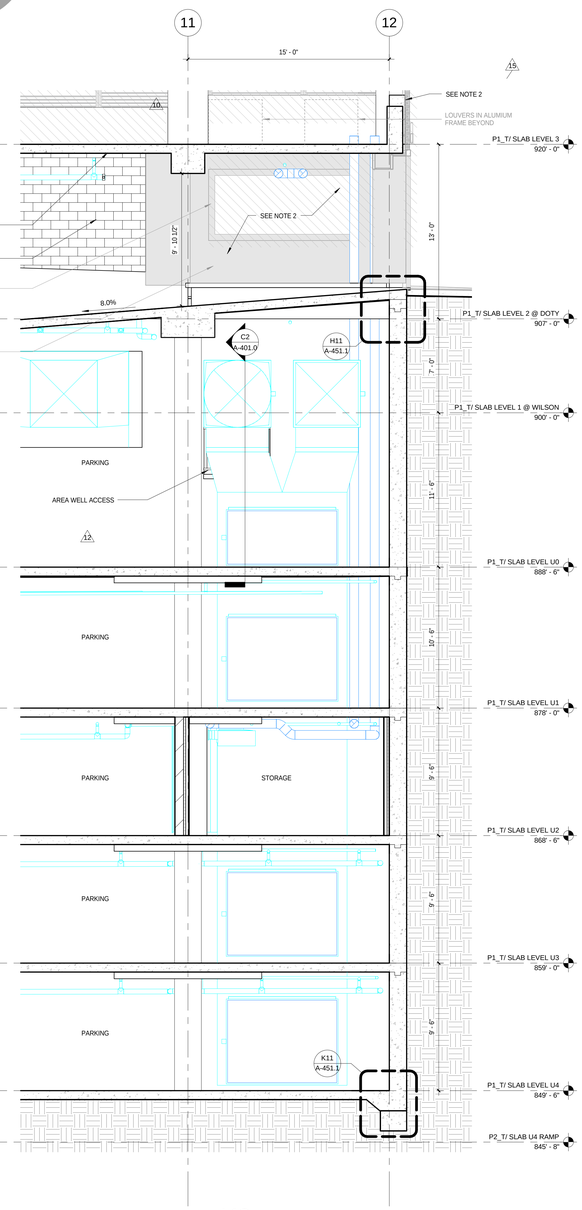
K9 ENLARGED BUILDING SECTION B-2

SCALE: 1/4" = 1'-0"



K6 ENLARGED BUILDING SECTION C-1

SCALE: 1/4" = 1'-0"



K2 ENLARGED BUILDING SECTION C-2

SCALE: 1/4" = 1'-0"

FOR REFERENCE ONLY

General Notes

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No.	Description	Date
16	FINAL BULLETIN #6	09/14/2018
15	BULLETIN #6	08/03/2018
12	BULLETIN #3	03/05/2018
10	BULLETIN #1	11/08/2017
9	BID DOCUMENTS	09/07/2017
7	ADDENDUM #2	07/28/2017
6	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
5	ISSUED FOR FINAL BID	06/23/2017
4	ISSUED FOR BID	06/16/2017
3	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
2	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - PODIUM

JUDGE DOYLE SQUARE

CITY OF MADISON

ARCHITECT:
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ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE

Drawing Title

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Author	9/14/2018 5:38:22 PM
Checked By	**Drawing Number**
Checker	A-401.0
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217-1088	

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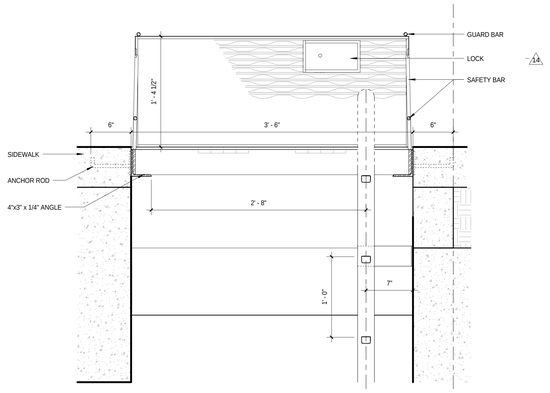
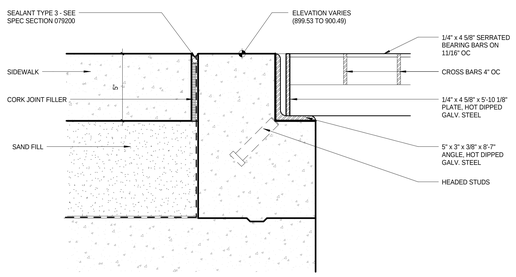
9/14/2018 5:38:22 PM



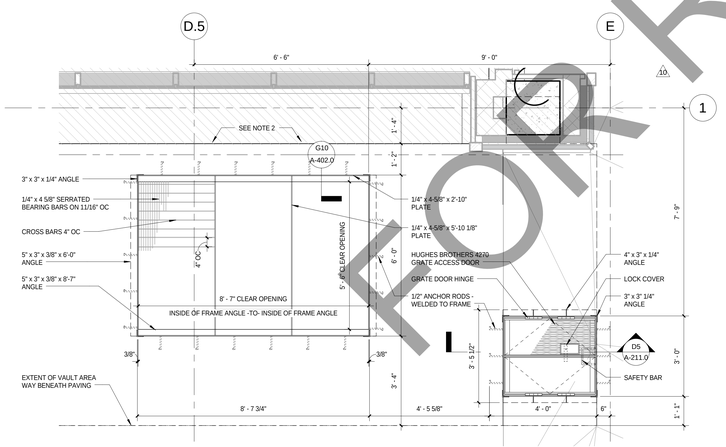
E10 ELEC VAULT ACCESS PANEL

SCALE: 1 1/2" = 1'-0"



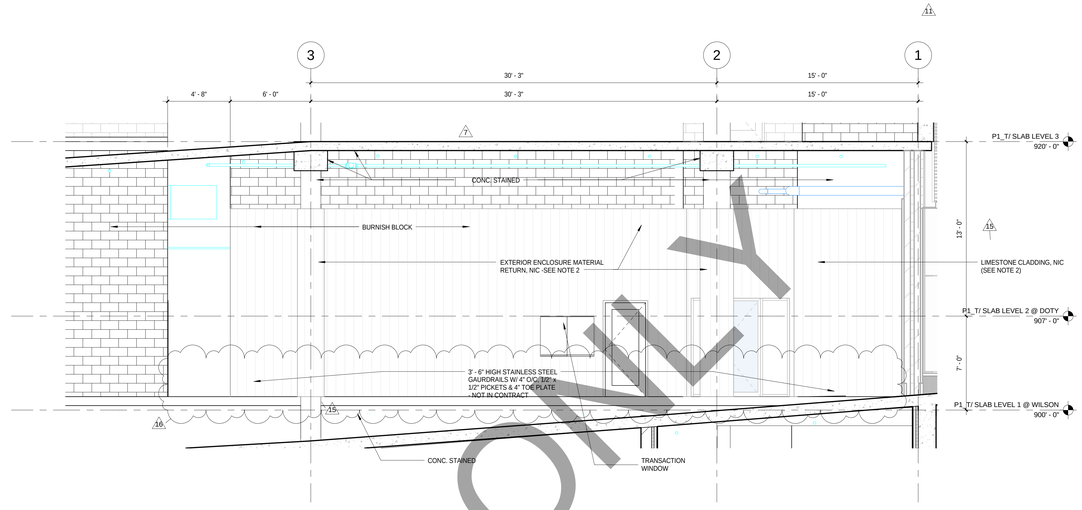
G10 WILSON STREET SIDE WALK SECTION DETAIL - VAULT VENTILATION GRATE

SCALE: 3" = 1'-0"



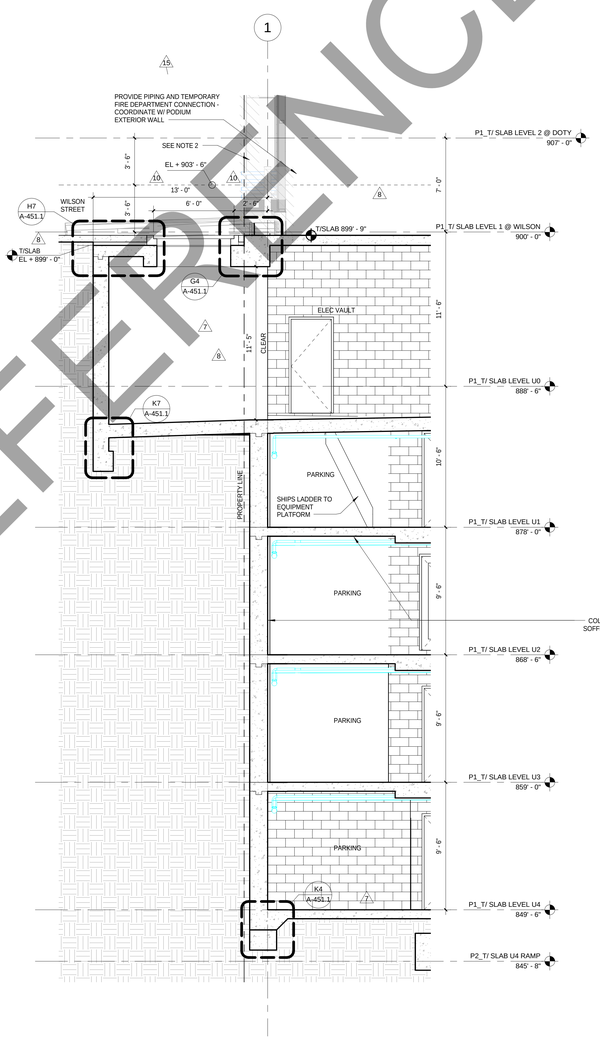
K10 WILSON STREET SIDE WALK PLAN DETAIL - VAULT VENTILATION GRATE

SCALE: 1/2" = 1'-0"



D3 WILSON STREET GARAGE ENTRY INTERIOR SECTION - FACING OFFICE

SCALE: 1/4" = 1'-0"



K6 ENLARGED BUILDING SECTION D-1

SCALE: 1/4" = 1'-0"

K3 ENLARGED BUILDING SECTION D-2

SCALE: 1/4" = 1'-0"

FOR REFERENCE ONLY

General Notes

NOTE 1: CONSTRUCTION SHOWN HALF-TONE IS FOR INFORMATION ONLY - SUSEQUENT DEVELOPMENT UNDER SEPARATE CONTRACT

NOTE 2 : ALL EXTERIOR WALL ENCLOSURE IS NOT IN CONTRACT UNLESS OTHERWISE NOTED

LEGEND

N.I.C. — **CONSTRUCTION ITEMS FOR REFERENCE ONLY - NOT IN CONTRACT - SUBJECT TO SEPARATE PERMIT**

No.	Description	Date
16	FINAL BULLETIN #6	09/14/2018
15	BULLETIN #6	08/03/2018
14	BULLETIN #5	05/14/2018
11	BULLETIN #2	12/07/2017
10	BULLETIN #1	11/08/2017
9	BID DOCUMENTS	09/07/2017
8	ADDENDUM #3	08/02/2017
7	ADDENDUM #2	07/28/2017
6	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
5	ISSUED FOR FINAL BID	06/23/2017
4	ISSUED FOR BID	06/16/2017
3	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
2	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - PODIUM

JUDGE DOYLE SQUARE

CITY OF MADISON

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE

Drawing Title

ENLARGED BUILDING SECTIONS

Drawn	Date
Author	9/14/2018 5:38:52 PM
Checked By	**Drawing Number**
Checker	A-402.0
Approved	
Approver	
Job Number	
217-1088	

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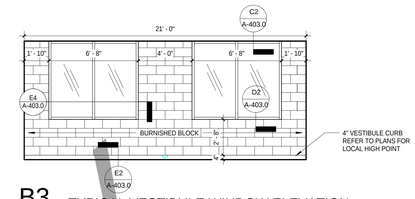
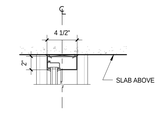
9/14/2018 5:38:52 PM



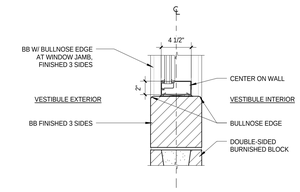
B3 TYPICAL VESTIBULE WINDOW ELEVATION

SCALE: 1/4" = 1'-0"



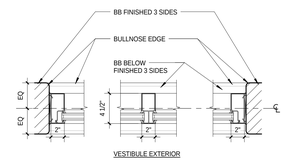
C2 TYPICAL VESTIBULE WINDOW HEAD DETAIL

SCALE: 1 1/2" = 1'-0"



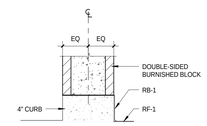
D2 TYPICAL VESTIBULE WINDOW SILL DETAIL

SCALE: 1 1/2" = 1'-0"



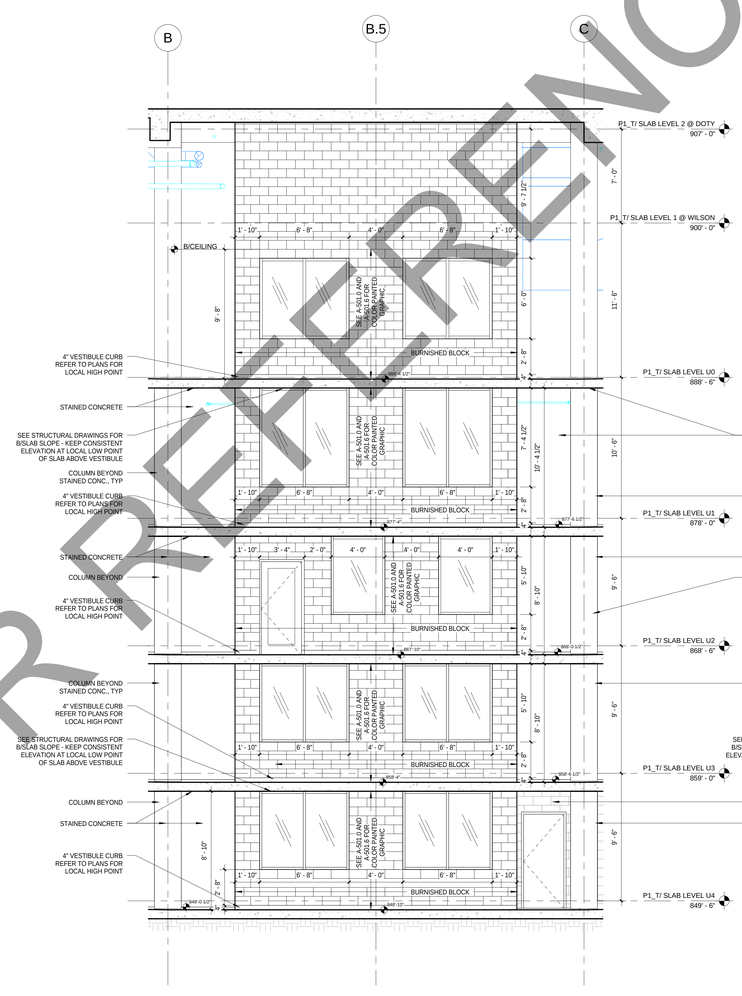
E4 TYPICAL VESTIBULE WINDOW-SILL JAMB DETAIL

SCALE: 1 1/2" = 1'-0"



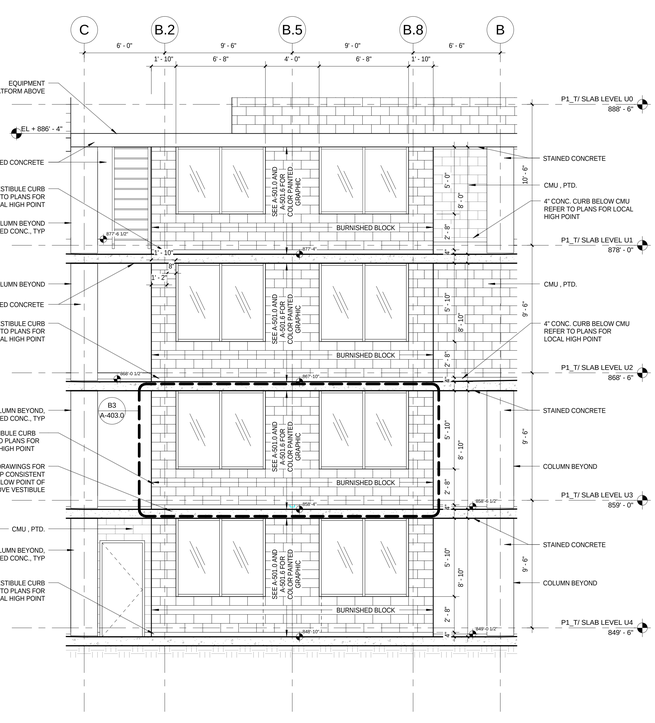
E2 TYPICAL VESTIBULE FLOOR DETAIL

SCALE: 1 1/2" = 1'-0"



K6 ENLARGED BUILDING SECTION WEST CORE VESTIBULE

SCALE: 1/4" = 1'-0"



K2 ENLARGED BUILDING SECTION EAST CORE VESTIBULE

SCALE: 1/4" = 1'-0"

FOR REFERENCE ONLY

General Notes

WISCONSIN
JAMES R. DESTEFANO
3614-5
MADISON
ARCHITECT

No.	Description	Date
11	BULLETIN #2	12/07/2017
9	BID DOCUMENTS	09/07/2017
7	ADDENDUM #2	07/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano
ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER
PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS
A WSP | PARSONS BRINCKERHOFF COMPANY

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

ENLARGED BULDING SECTIONS

Drawn	Date
Author	12/7/2017 4:05:09 PM
Checked By	Drawing Number
Checker	7
Approved	A-403.0
Approver	
Job Number	
216-1066	

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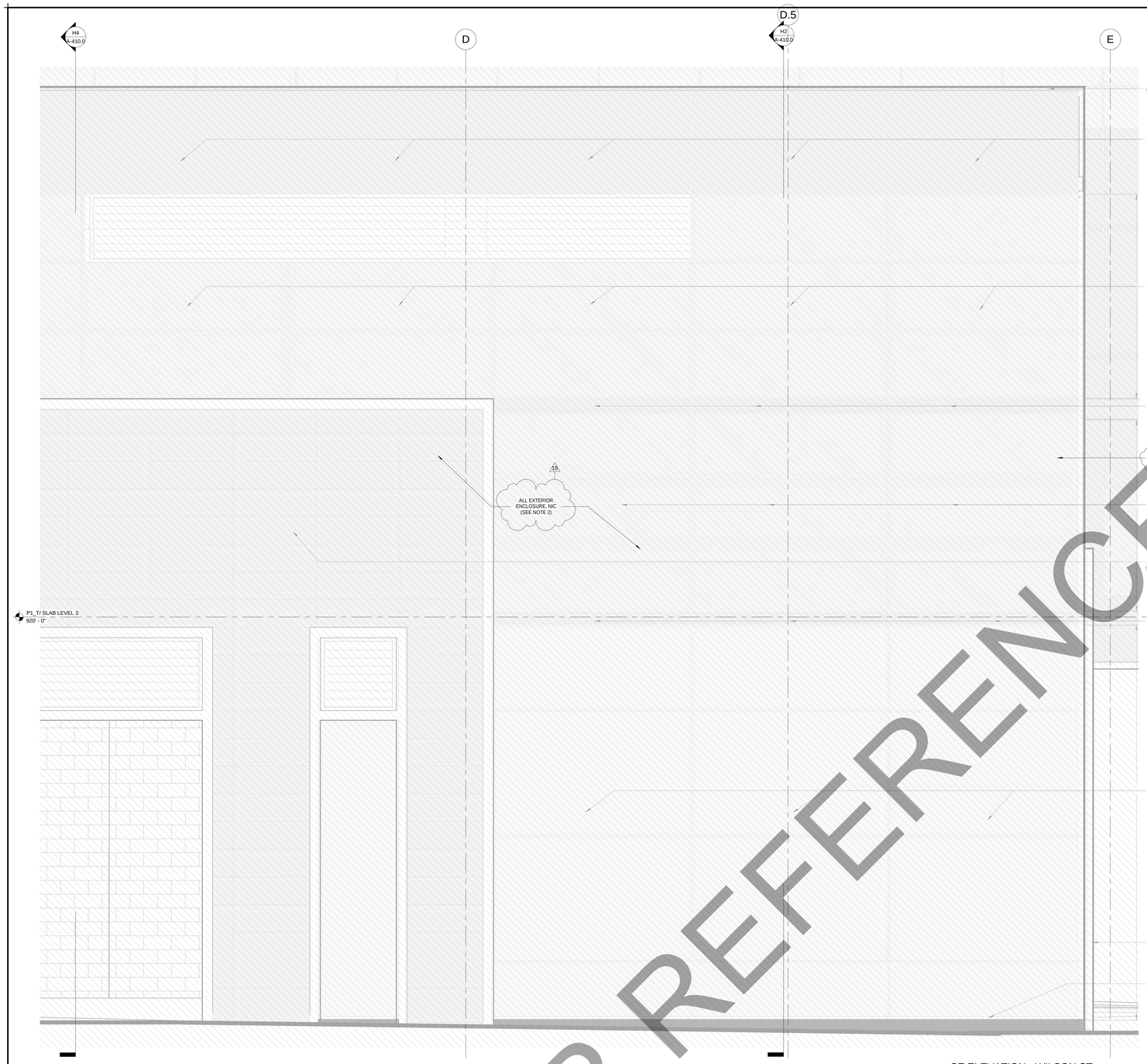
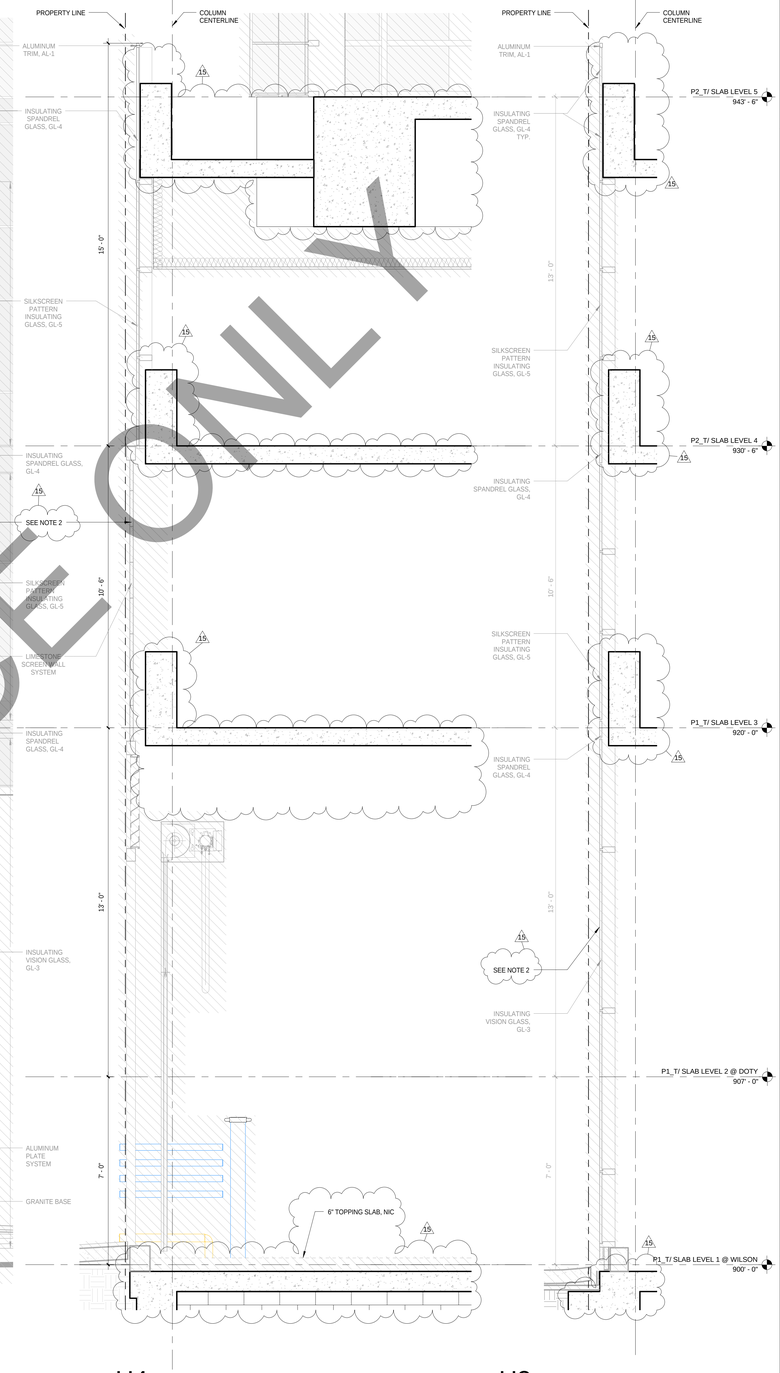
12/7/2017 4:05:09 PM



H6 SE ELEVATION - WILSON ST. ENLARGED ELEVATION

SCALE: 1/2" = 1'-0"

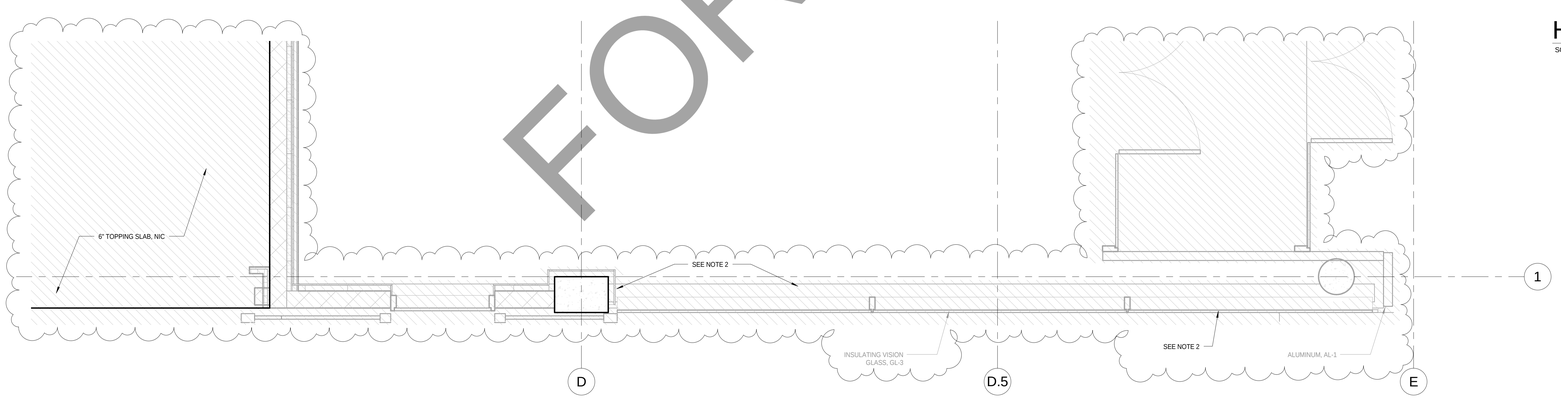


H4 LIMESTONE WALL SECTION

SCALE: 1/2" = 1'-0"

H2 SILK SCREEN WALL SECTION

SCALE: 1/2" = 1'-0"



K6 LEVEL 1 PLAN - WILSON ST. ENTRY ENLARGED PLAN

SCALE: 1/2" = 1'-0"

General Notes

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LEGEND

N.I.C. — **CONSTRUCTION ITEMS FOR REFERENCE ONLY - NOT IN CONTRACT - SUBJECT TO SEPARATE PERMIT**

No.	Description	Date
15	BULLETIN #6	08/03/2018
9	BID DOCUMENTS	09/07/2017
6	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
5	ISSUED FOR FINAL BID	06/23/2017
4	ISSUED FOR BID	06/16/2017
3	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
2	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017
1	ISSUED FOR SCHEMATIC DESIGN	02/03/2017

JUDGE DOYLE SQUARE - PODIUM

JUDGE DOYLE SQUARE

CITY OF MADISON

ARCHITECT: lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT: INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT: WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS: HALVORSON AND PARTNERS

MEP/FP ENGINEERS: AEI Affiliated Engineers

CIVIL ENGINEERS: Mead & Hunt

LANDSCAPE ARCHITECT: WOLFF LANDSCAPE ARCHITECTURE

Drawing Title

EXTERIOR WALL DETAILS - GROUND LEVEL - ELEVATION, PLAN & SECTION

Drawn	Date
Author	8/3/2018 5:35:58 PM
Checked By	**Drawing Number**
Checker	A-410.0
Approved	
Approver	
Job Number	
217-1088	

FOR REFERENCE ONLY

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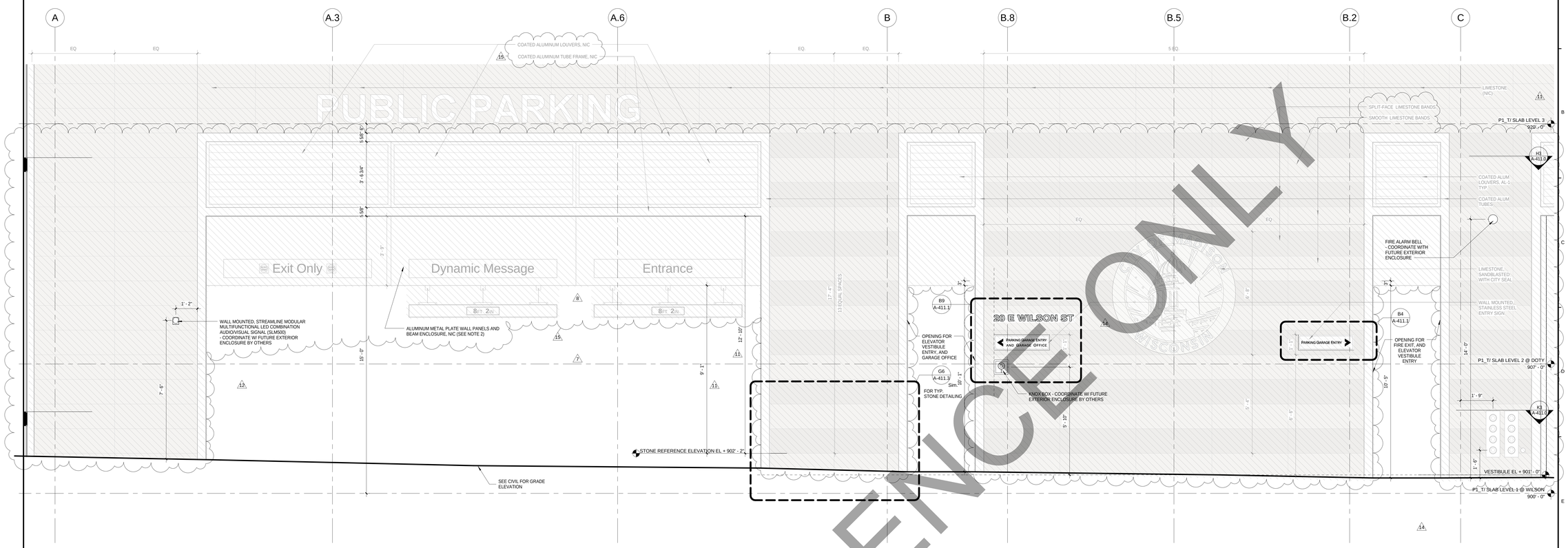
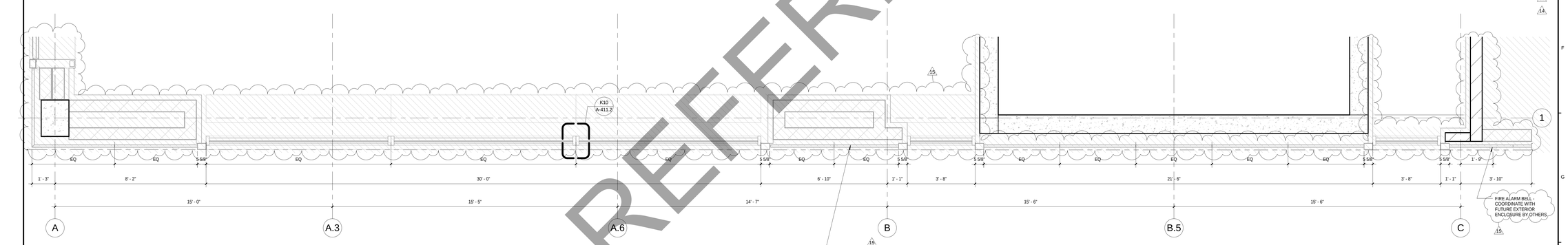
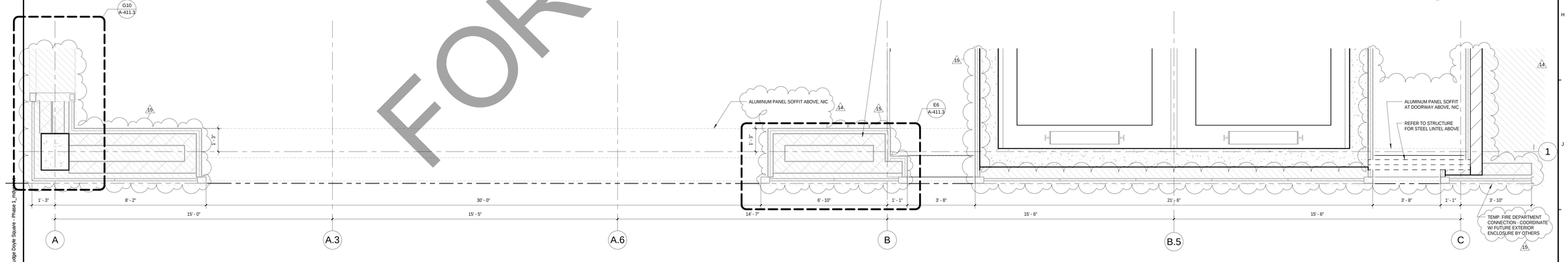


F3 SE ELEVATION - WILSON ST.
ENLARGED PUBLIC PARKING ENTRY ELEVATION
SCALE: 1/2" = 1'-0"



H3 LEVEL 2 PLAN - WILSON ST.
ENLARGED PUBLIC PARKING LOUVER PLAN
SCALE: 1/2" = 1'-0"



K3 LEVEL 1 PLAN - WILSON ST. ENTRY
ENLARGED PUBLIC PARKING ENTRY PLAN
SCALE: 1/2" = 1'-0"

FOR REFERENCE ONLY

General Notes

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LEGEND

N.I.C. — **CONSTRUCTION ITEMS FOR REFERENCE ONLY - NOT IN CONTRACT - SUBJECT TO SEPARATE PERMIT**

No.	Description	Date
15	BULLETIN #6	08/03/2018
14	BULLETIN #5	05/14/2018
12	BULLETIN #3	03/05/2018
11	BULLETIN #2	12/07/2017
9	BID DOCUMENTS	09/07/2017
8	ADDENDUM #3	08/02/2017
7	ADDENDUM #2	07/28/2017
6	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
5	ISSUED FOR FINAL BID	06/23/2017
4	ISSUED FOR BID	06/16/2017
3	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
2	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - PODIUM

JUDGE DOYLE SQUARE

CITY OF MADISON

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

EXTERIOR WALL DETAILS - GROUND LEVEL - ELEVATION, PLAN & SECTION

Drawn	Date
Author	8/3/2018 5:36:08 PM
Checked By	**Drawing Number**
Checker	A-411.0
Approved	
Approver	
Job Number	
217-1088	

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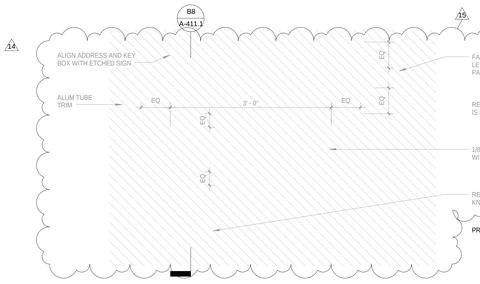
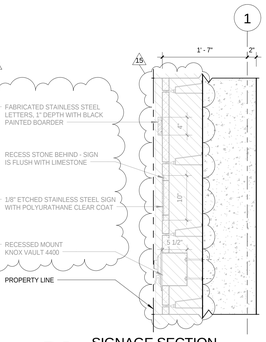
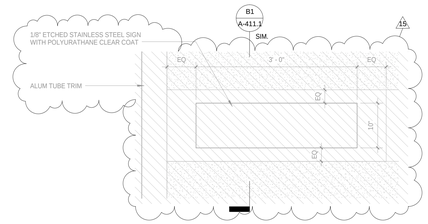


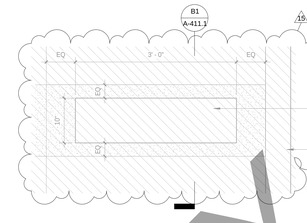
B9 GARAGE ENTRY SIGNAGE - WILSON ST. ADDRESS
SCALE: 1" = 1'-0"



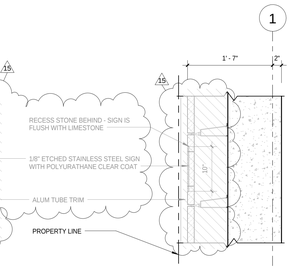
B8 SIGNAGE SECTION - WILSON ST. ADDRESS
SCALE: 1" = 1'-0"



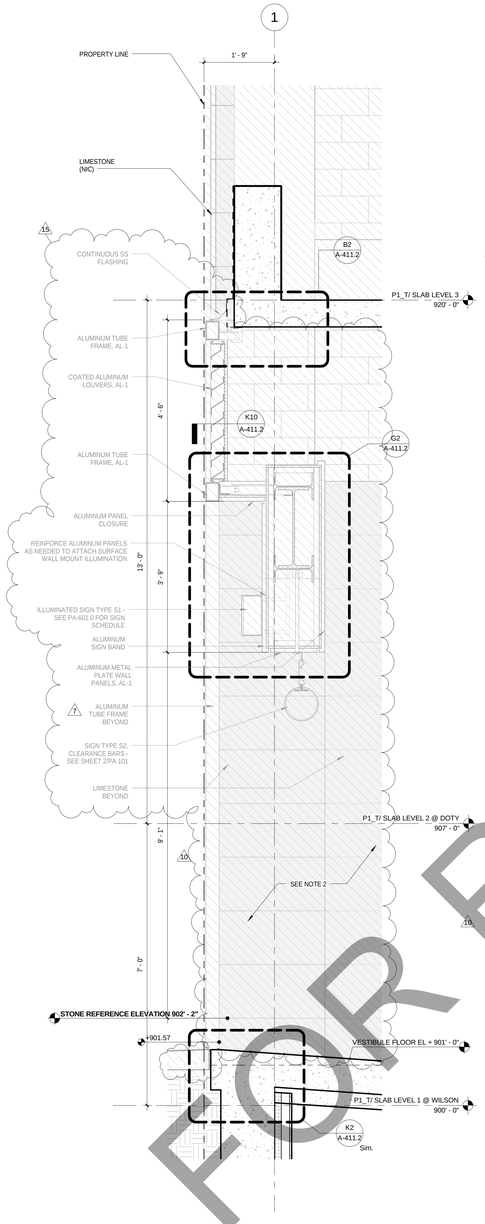
B6 GARAGE ENTRY SIGNAGE AT DOTY ST.
SCALE: 1" = 1'-0"



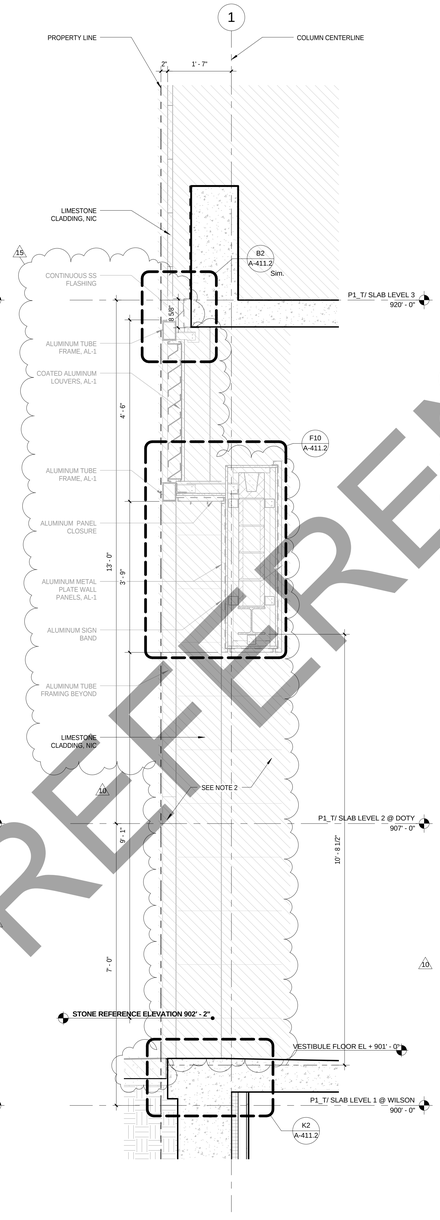
B4 TYP. GARAGE ENTRY SIGNAGE
SCALE: 1" = 1'-0"



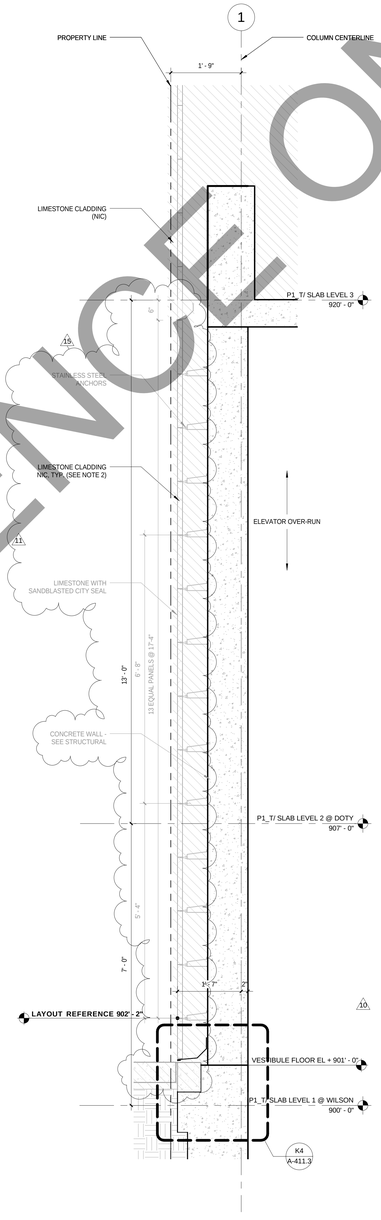
B1 TYP. GARAGE ENTRY SIGNAGE SECTION
SCALE: 1" = 1'-0"



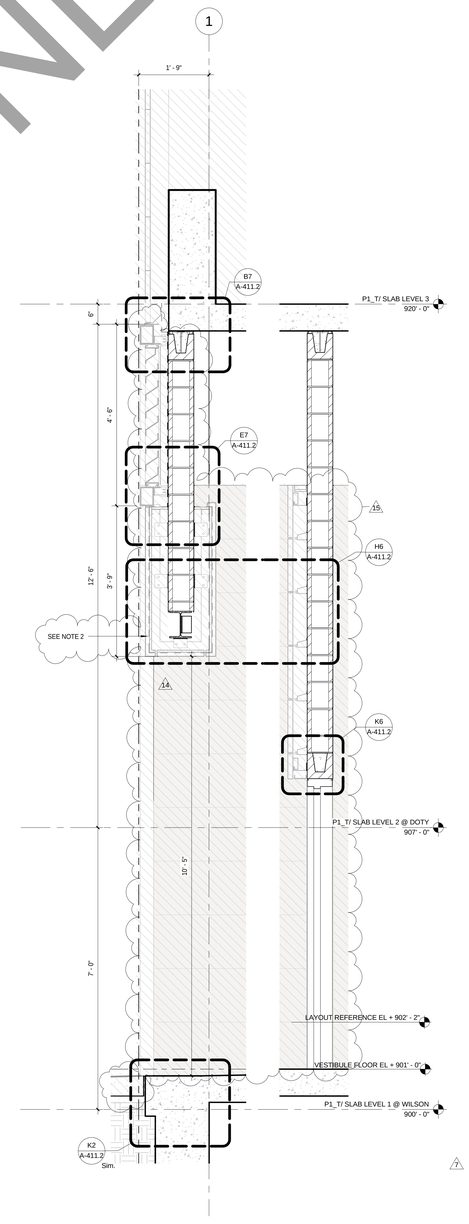
J9 PUBLIC PARKING ENTRY/EXIT ENLARGED WALL SECTION
SCALE: 3/4" = 1'-0"



J7 PUBLIC PARKING GARAGE OFFICE ENTRY ENLARGED WALL SECTION
SCALE: 3/4" = 1'-0"



J5 TYP. LIMESTONE AT ELEVATOR ENLARGED WALL SECTION
SCALE: 3/4" = 1'-0"



J2 DOORWAY AT EXIT CORRIDOR ENLARGED WALL SECTION
SCALE: 3/4" = 1'-0"

FOR REFERENCE ONLY

General Notes

NOTE 1: CONSTRUCTION SHOWN HALF-TONE IS FOR INFORMATION ONLY - SUSEQUENT DEVELOPMENT UNDER SEPARATE CONTRACT

NOTE 2 : ALL EXTERIOR WALL ENCLOSURE IS NOT IN CONTRACT UNLESS OTHERWISE NOTED

LEGEND

N.I.C. — **CONSTRUCTION ITEMS FOR REFERENCE ONLY - NOT IN CONTRACT - SUBJECT TO SEPARATE PERMIT**

No.	Description	Date
15	BULLETIN #6	08/03/2018
14	BULLETIN #5	05/14/2018
11	BULLETIN #2	12/07/2017
10	BULLETIN #1	11/08/2017
9	BID DOCUMENTS	09/07/2017
7	ADDENDUM #2	07/28/2017
6	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
5	ISSUED FOR FINAL BID	06/23/2017
4	ISSUED FOR BID	06/16/2017
3	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
2	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - PODIUM

JUDGE DOYLE SQUARE

CITY OF MADISON

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

EXTERIOR WALL DETAILS - GROUND LEVEL - ENLARGED WALL SECTIONS

Drawn	Date
Author	8/3/2018 5:36:21 PM
Checked By	**Drawing Number**
Checker	A-411.1
Approved	
Approver	
Job Number	
217-1088	

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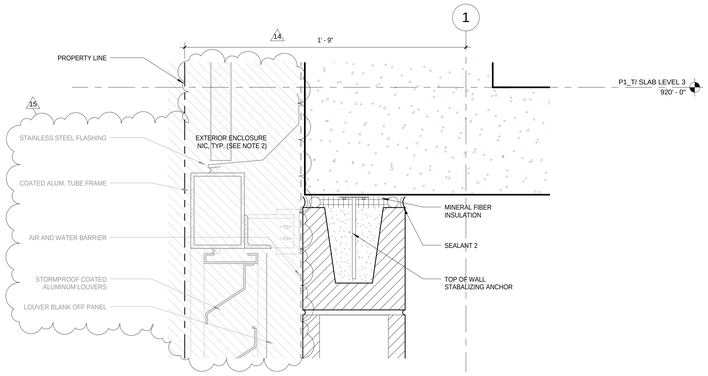
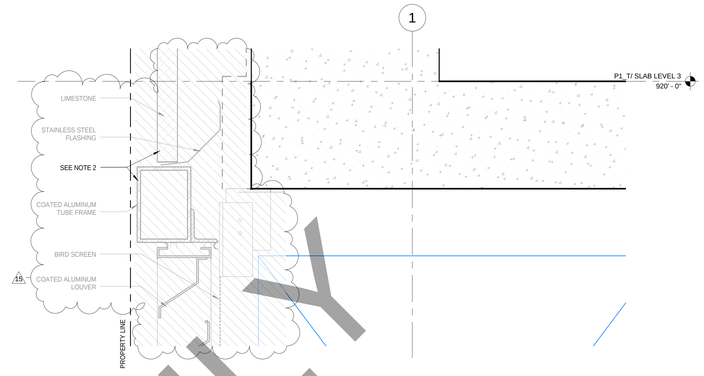
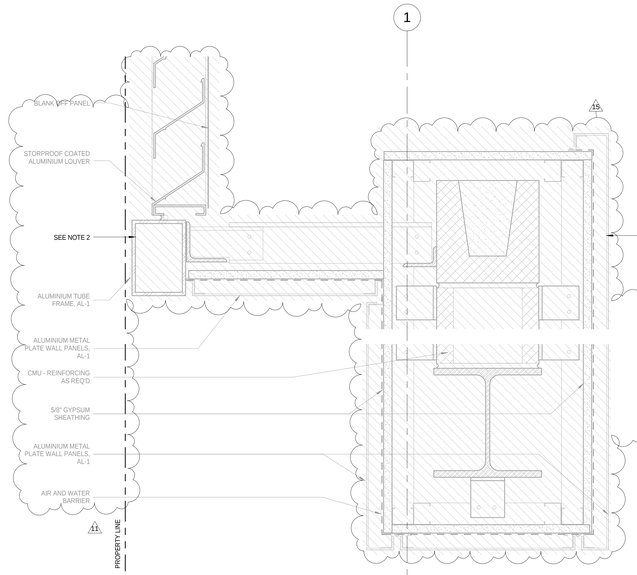


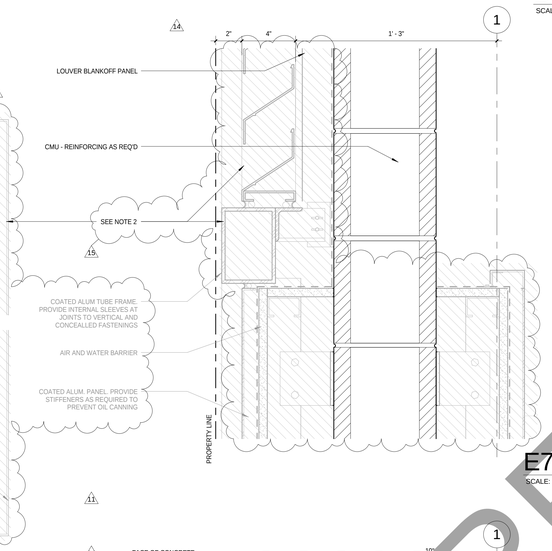
B7 LOUVER DETAIL
SCALE: 3" = 1'-0"



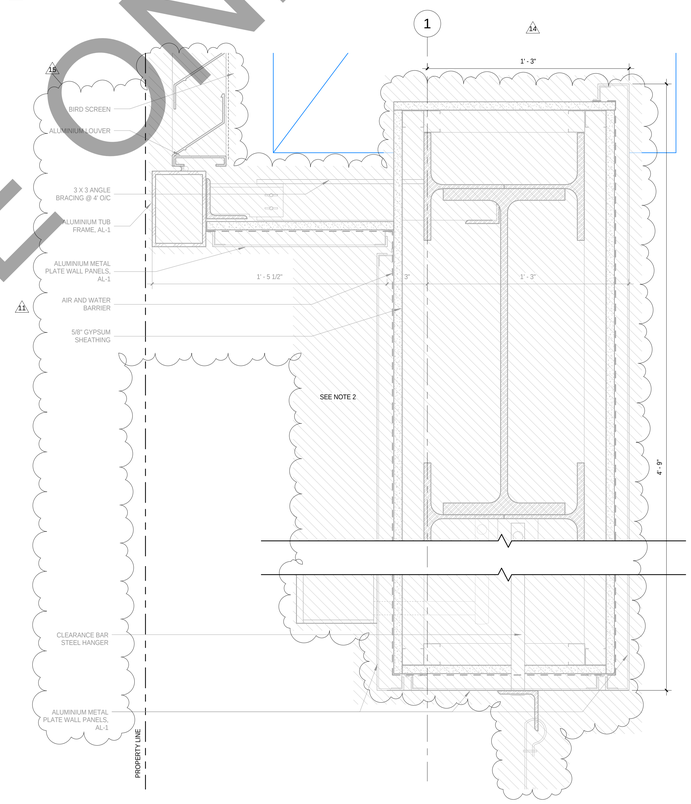
B2 PUBLIC PARKING ENTRY/EXIT ENLARGED WALL SECTION - LOUVER DETAIL
SCALE: 3" = 1'-0"



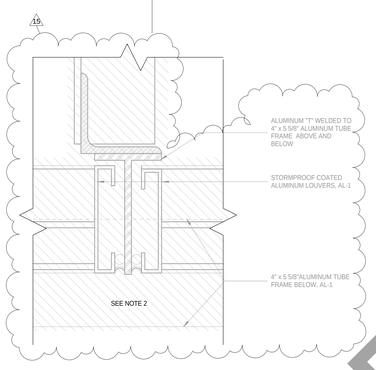
F10 WILSON ENTRY DETAIL
SCALE: 3" = 1'-0"



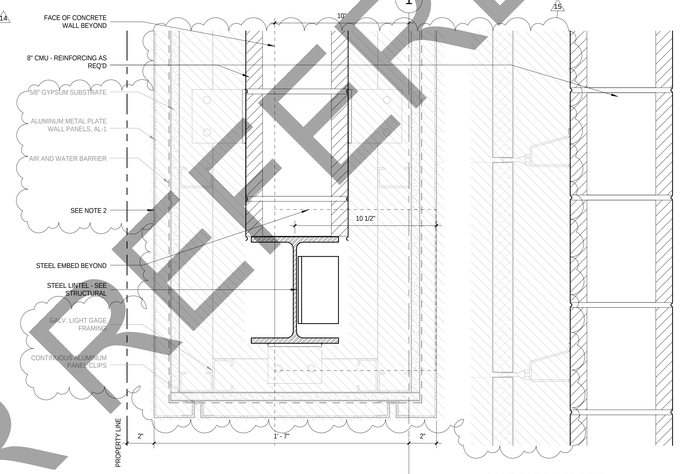
E7 LOUVER DETAIL
SCALE: 3" = 1'-0"



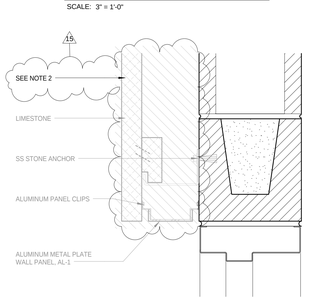
G2 PUBLIC PARKING ENTRY/EXIT - ENLARGED WALL SECTION AT SIGNAGE
SCALE: 3" = 1'-0"



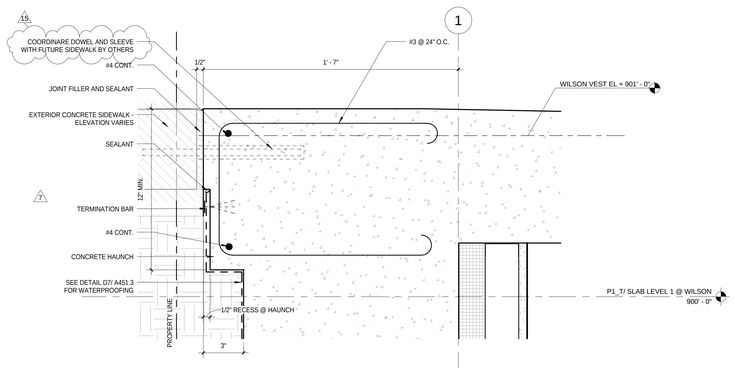
K10 LOUVER CONNECTION - ALUMINUM T
SCALE: 6" = 1'-0"



H6 ALUMINUM PLATE PANEL DETAIL
SCALE: 3" = 1'-0"



K6 LIMESTONE - ALUMINUM PLATE PANEL - DOOR FRAME DETAIL
SCALE: 3" = 1'-0"



K2 PUBLIC PARKING GARAGE ENTRY ENLARGED SECTION DETAIL
SCALE: 3" = 1'-0"

General Notes

DIALECTRICALLY SEPARATE ALL DISSIMILAR METALS

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LEGEND

N.I.C. — **CONSTRUCTION ITEMS FOR REFERENCE ONLY - NOT IN CONTRACT - SUBJECT TO SEPARATE PERMIT**

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JUDGE DOYLE SQUARE - PODIUM

JUDGE DOYLE SQUARE

CITY OF MADISON

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

EXTERIOR WALL DETAILS - GROUND LEVEL - SECTION DETAILS

Drawn	Date
Author	8/3/2018 5:36:33 PM
Checked By	**Drawing Number**
Checker	A-411.2
Approved	
Approver	
Job Number	
217-1088	

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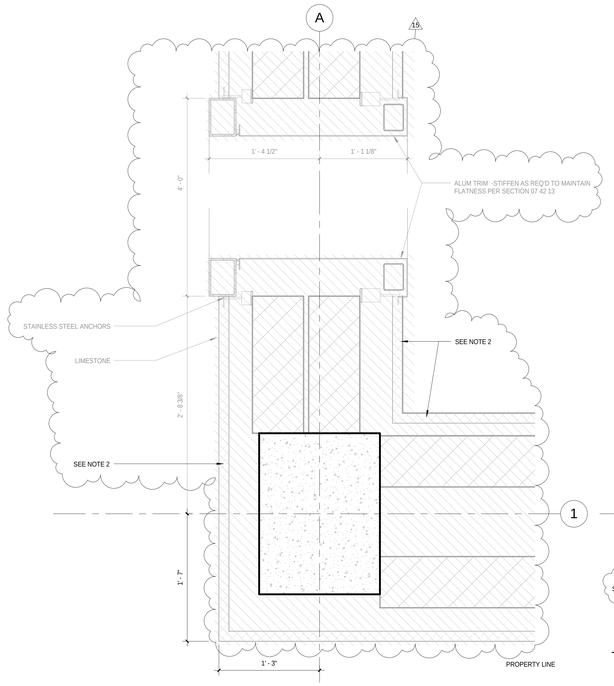
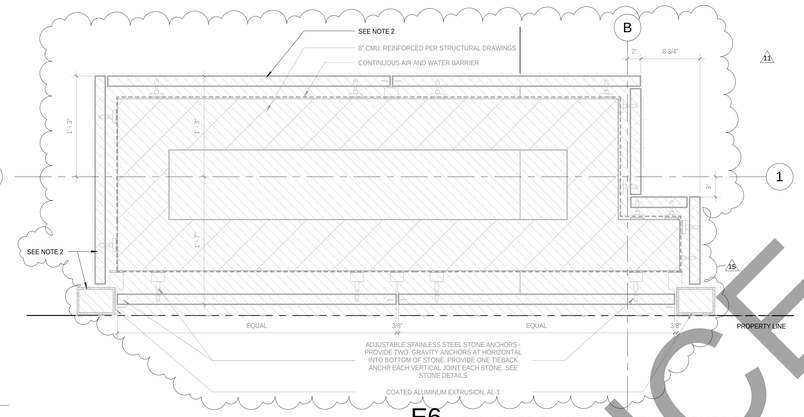


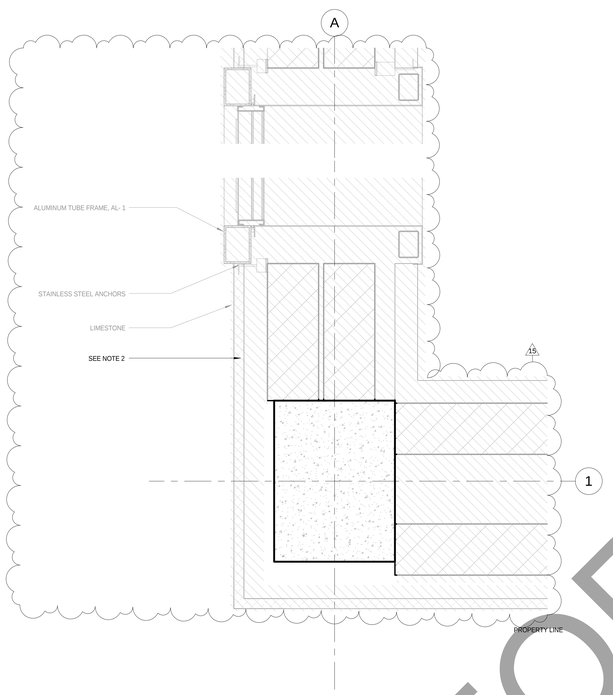
G10 LEVEL 1 PLAN - WILSON ST. ENTRY - ENLARGED PUBLIC PARKING ENTRY/EXIT PLAN

SCALE: 1 1/2" = 1'-0"



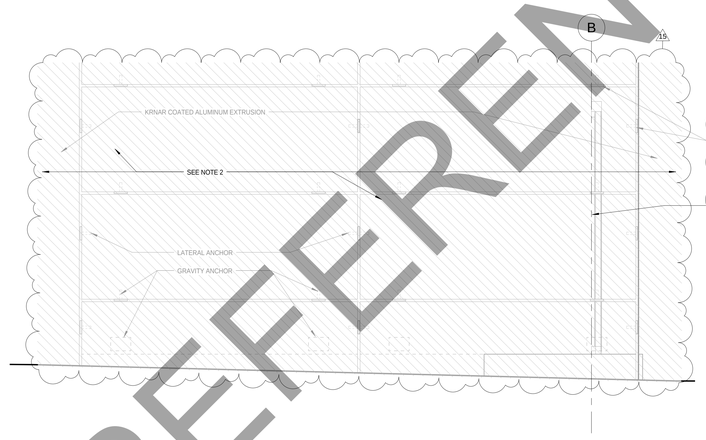
E6 ENLARGED PLAN - LIMESTONE ANCHOR DETAIL

SCALE: 1 1/2" = 1'-0"



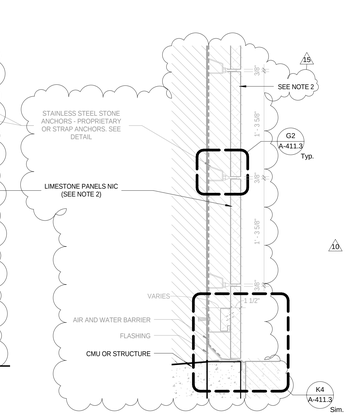
J10 LEVEL 3 PLAN - GARAGE ENTRY DETAIL

SCALE: 1 1/2" = 1'-0"



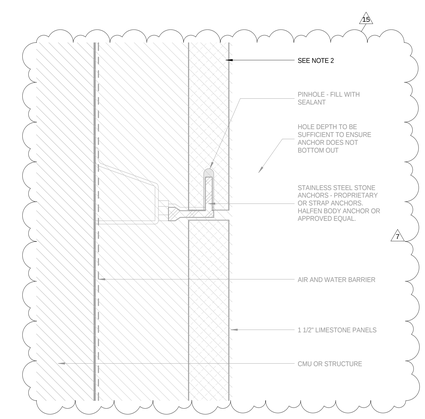
G6 ENLARGED LIMESTONE ELEVATION - TYP

SCALE: 1 1/2" = 1'-0"



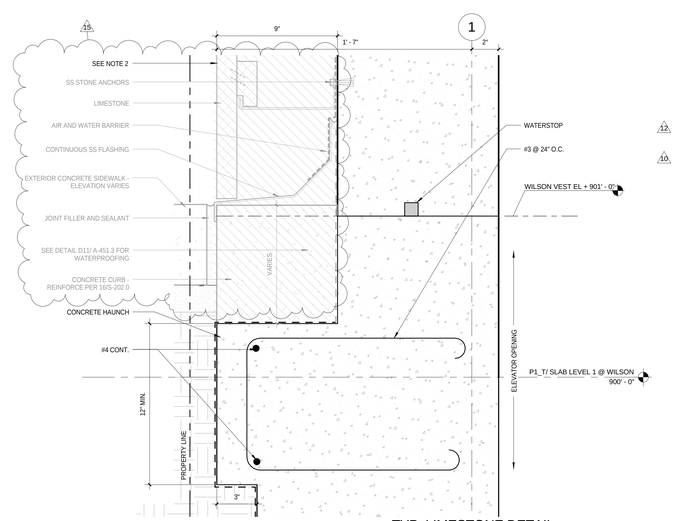
G4 STONE DETAIL, TYP.

SCALE: 1 1/2" = 1'-0"



G2 ANCHOR DETAIL, TYP.

SCALE: 6" = 1'-0"



K4 TYP. LIMESTONE DETAIL @ ELEVATOR CORE

SCALE: 3" = 1'-0"

FOR REFERENCE ONLY

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JUDGE DOYLE SQUARE - PODIUM

JUDGE DOYLE SQUARE

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CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

EXTERIOR WALL DETAILS - GROUND LEVEL - SECTION DETAILS

Drawn	Date
Author	8/3/2018 5:36:43 PM
Checked By	**Drawing Number**
Checker	A-411.3
Approved	
Approver	
Job Number	
217-1088	

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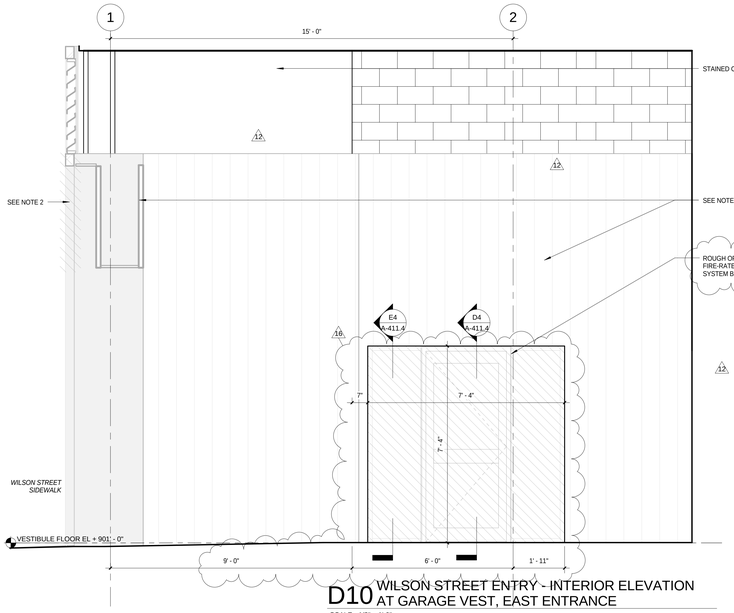
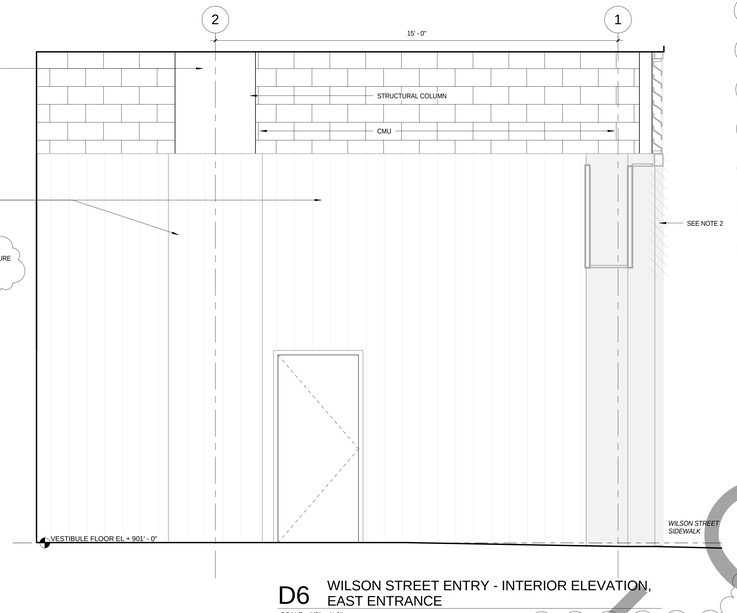
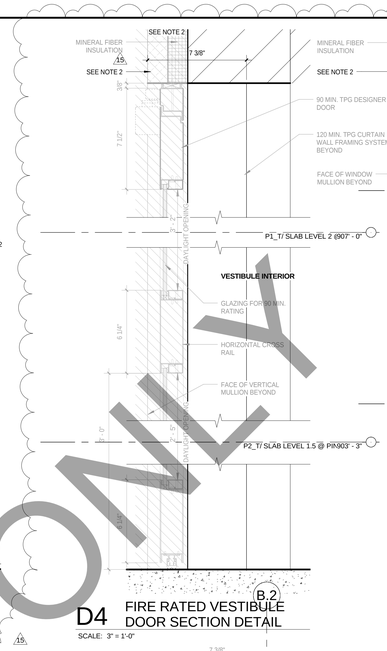


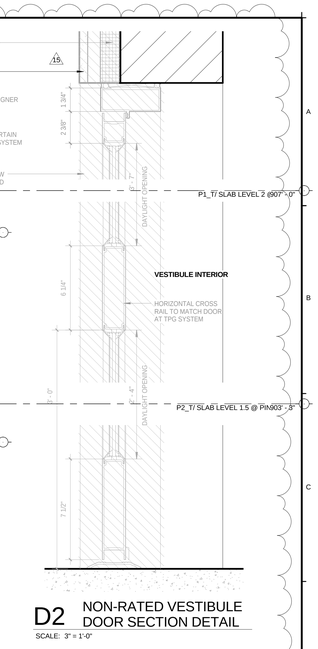
D10 WILSON STREET ENTRY - INTERIOR ELEVATION AT GARAGE VEST, EAST ENTRANCE
SCALE: 1/2" = 1'-0"



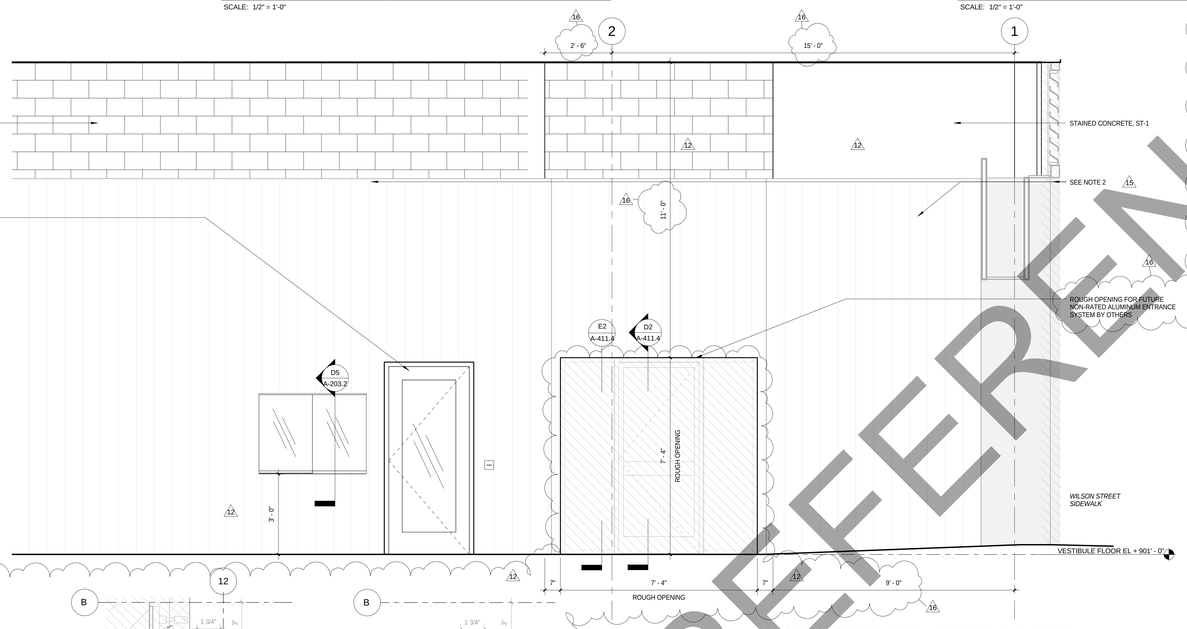
D6 WILSON STREET ENTRY - INTERIOR ELEVATION, EAST ENTRANCE
SCALE: 1/2" = 1'-0"



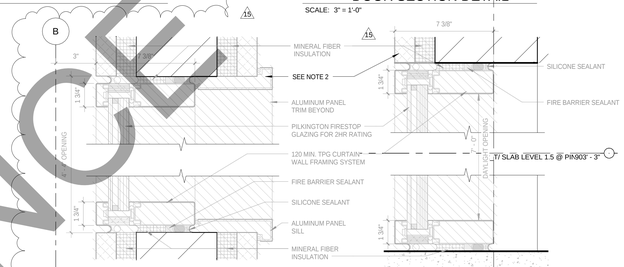
D4 FIRE RATED VESTIBULE DOOR SECTION DETAIL
SCALE: 3" = 1'-0"



D2 NON-RATED VESTIBULE DOOR SECTION DETAIL
SCALE: 3" = 1'-0"

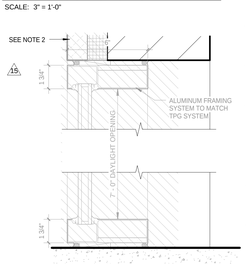


G8 WILSON STREET ENTRY - INTERIOR ELEVATION AT GARAGE OFFICE
SCALE: 1/2" = 1'-0"

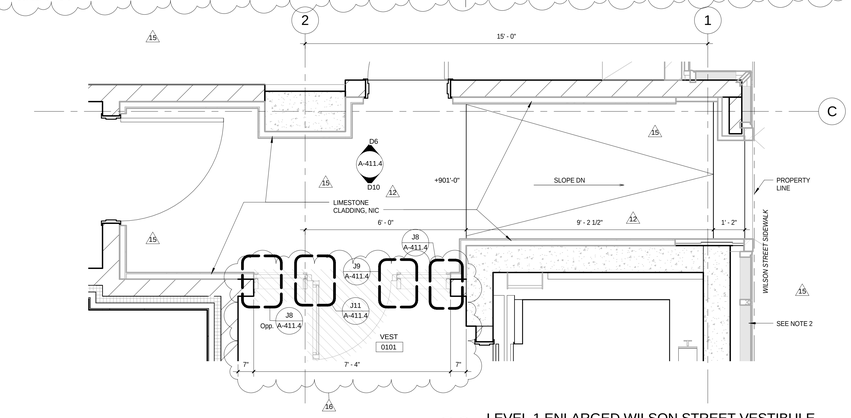


E5 FIRE RATED WINDOW HEAD/SILL AT LIMESTONE
SCALE: 3" = 1'-0"

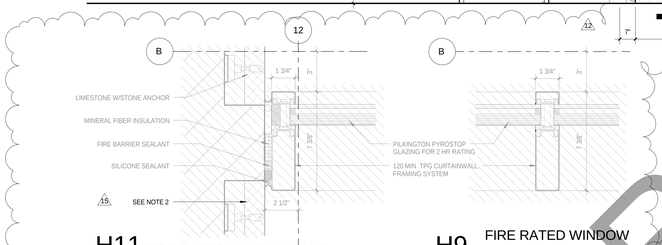
E4 FIRE RATED WINDOW HEAD/SILL DETAIL
SCALE: 3" = 1'-0"



E2 NON-RATED WINDOW HEAD/SILL DETAIL
SCALE: 3" = 1'-0"

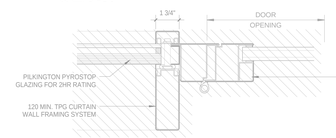


G3 LEVEL 1 ENLARGED WILSON STREET VESTIBULE ENTRANCE - AT EXIT CORRIDOR
SCALE: 1/2" = 1'-0"

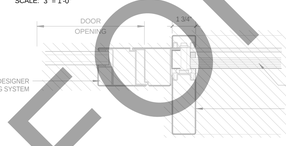


H11 FIRE RATED WINDOW JAMB
SCALE: 3" = 1'-0"

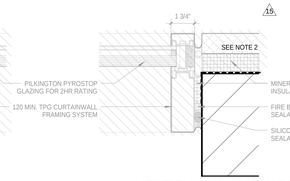
H9 FIRE RATED WINDOW MULLION DETAIL
SCALE: 3" = 1'-0"



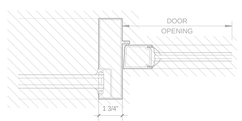
J11 VESTIBULE DOOR PIVOT AT FIRE RATED ENTRANCE
SCALE: 3" = 1'-0"



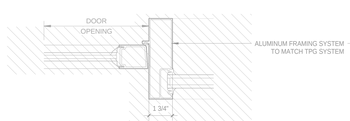
J9 VESTIBULE DOOR PIVOT AT FIRE RATED ENTRANCE
SCALE: 3" = 1'-0"



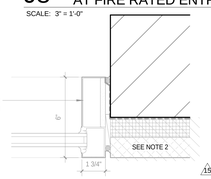
J8 VESTIBULE WINDOW DETAIL AT FIRE RATED ENTRANCE
SCALE: 3" = 1'-0"



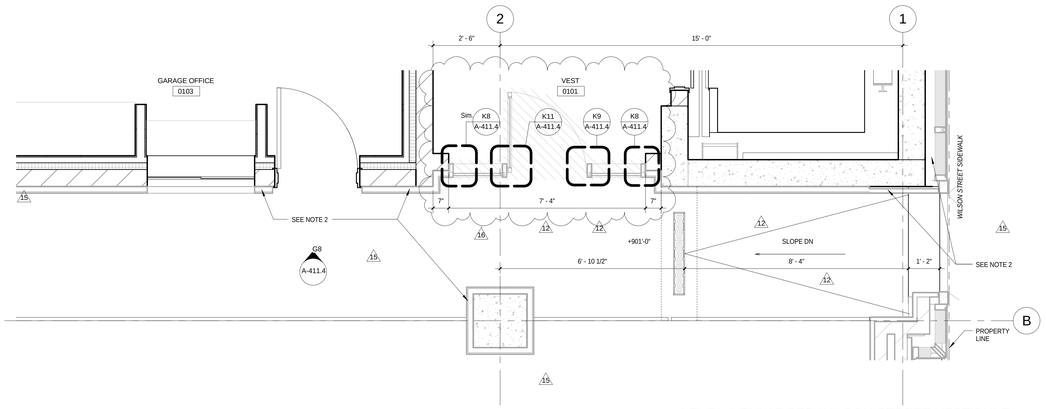
K11 VESTIBULE DOOR PIVOT AT NON-RATED ENTRANCE
SCALE: 3" = 1'-0"



K9 VESTIBULE DOOR JAMB/MULLION AT NON-RATED ENTRANCE
SCALE: 3" = 1'-0"



K8 VESTIBULE WINDOW DETAIL AT NON-RATED ENTRANCE
SCALE: 3" = 1'-0"



K3 LEVEL 1 ENLARGED WILSON STREET VESTIBULE ENTRANCE - AT GARAGE OFFICE
SCALE: 1/2" = 1'-0"

TRUE NORTH
PROJECT NORTH

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9/14/2018 5:40:46 PM

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JUDGE DOYLE SQUARE - PODIUM

JUDGE DOYLE SQUARE

CITY OF MADISON

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

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STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

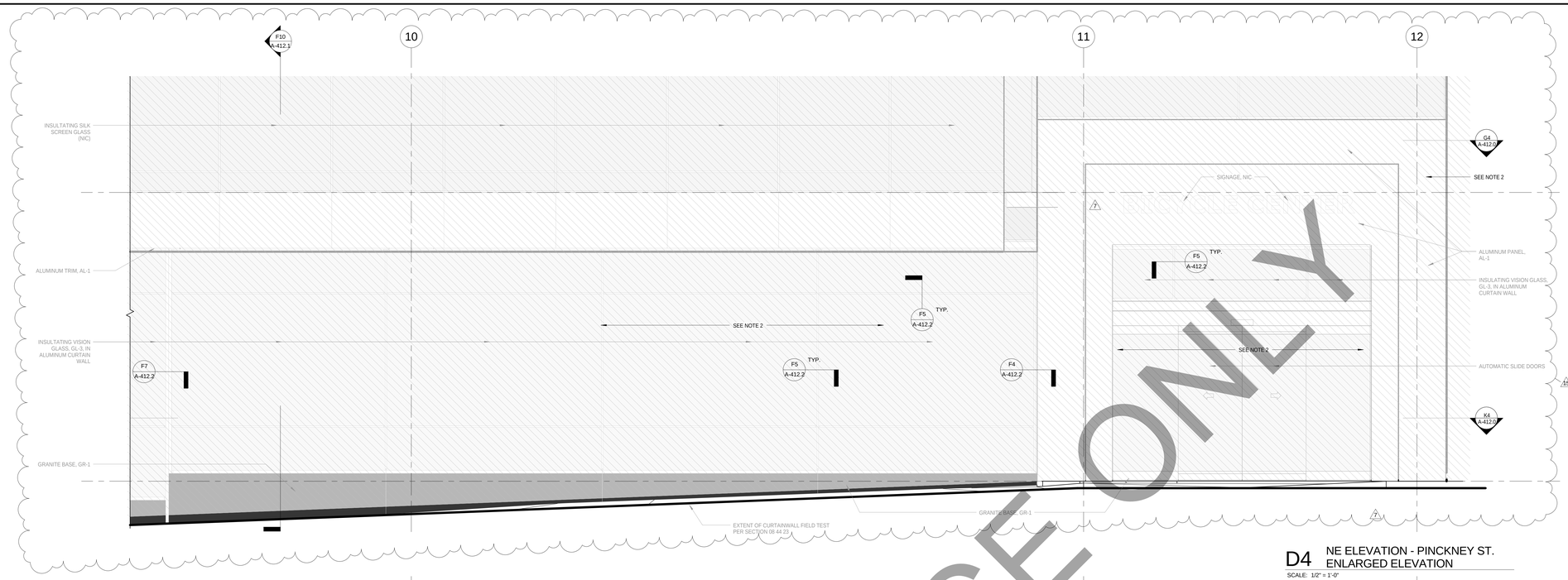
CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE

Drawing Title

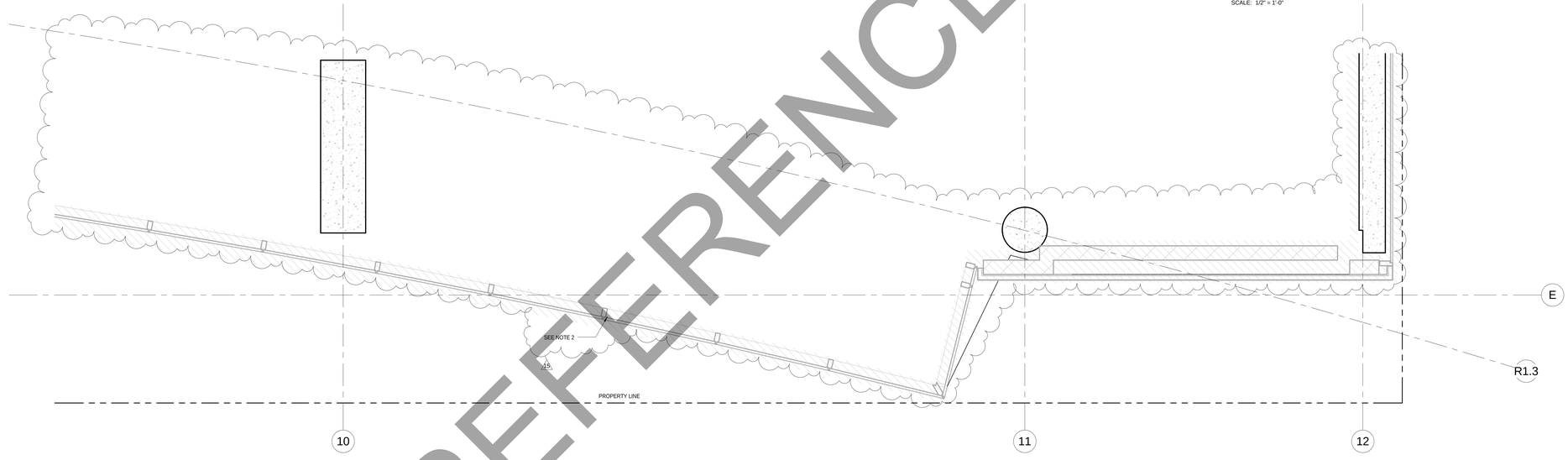
WILSON STREET VESTIBULE ENTRANCE - ENLARGED PLANS, SECTIONS, AND DETAILS

Drawn	Date
Author	9/14/2018 5:40:46 PM
Checked By	**Drawing Number**
Checker	A-411.4
Approved	
Approver	11
Job Number	
217-1088	



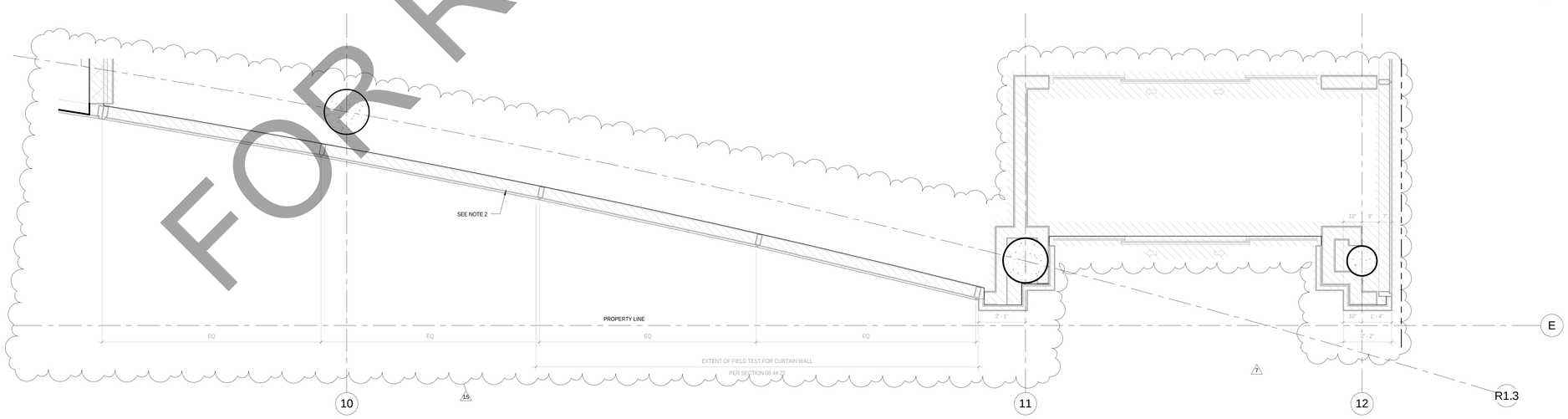
D4 NE ELEVATION - PINCKNEY ST.
ENLARGED ELEVATION

SCALE: 1/2" = 1'-0"



G4 LEVEL 3 PLAN - PINCKNEY ST.
ENLARGED APARTMENT PARKING PLAN

SCALE: 1/2" = 1'-0"



K4 LEVEL 2 PLAN - PINCKNEY ST.
ENLARGED BICYCLE CENTER ENTRY PLAN

SCALE: 1/2" = 1'-0"

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CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE

Drawing Title

EXTERIOR WALL DETAILS - GROUND LEVEL - ELEVATION, PLAN & SECTION

Drawn	Date
Author	8/3/2018 5:37:05 PM
Checked By	**Drawing Number**
Checker	A-412.0
Approved	
Approver	
Job Number	
217-1088	

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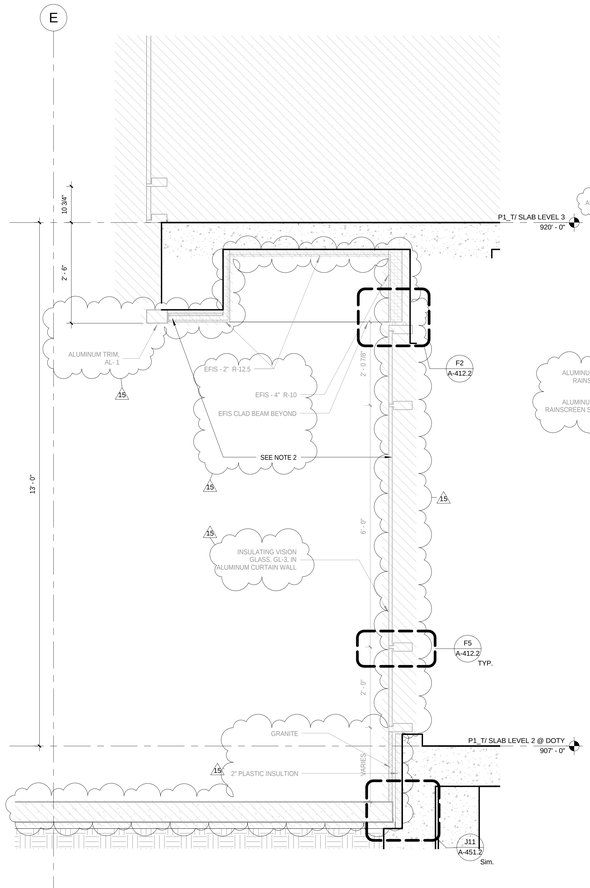
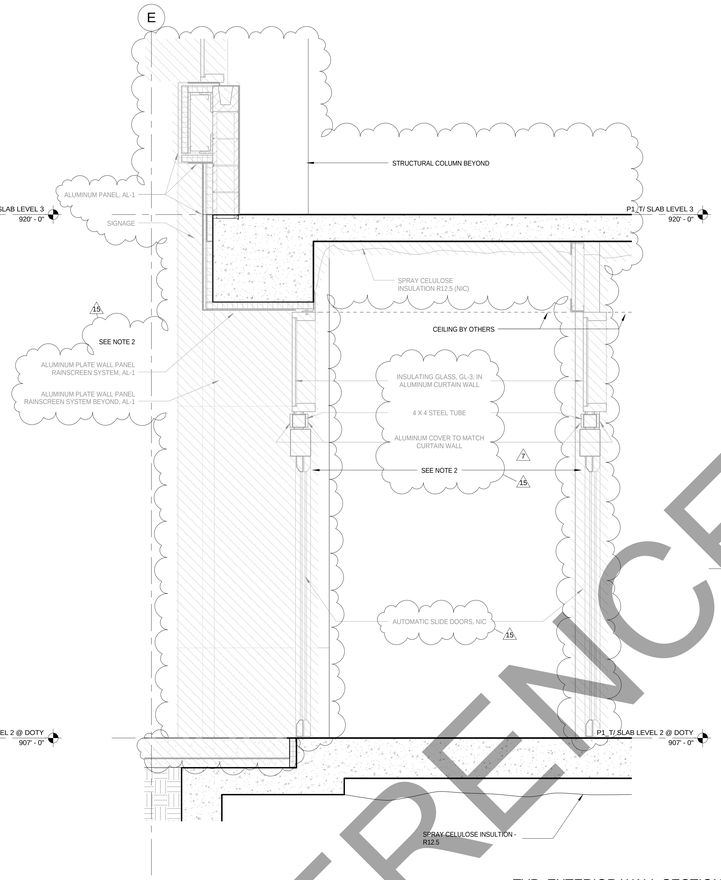
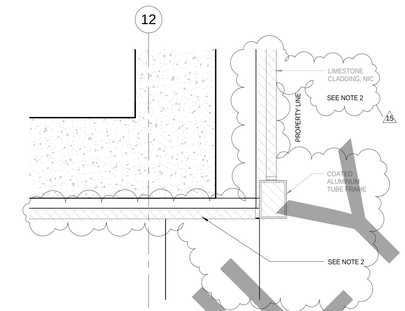
8/3/2018 5:37:05 PM



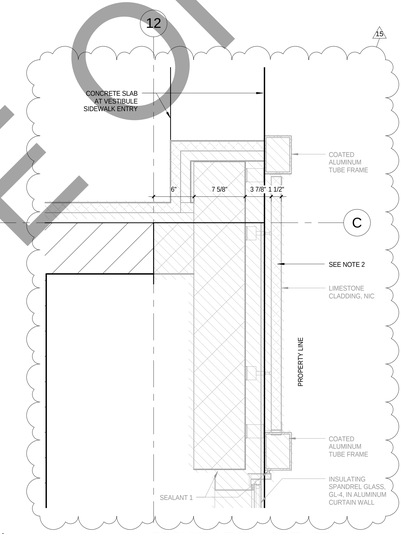
F10 GROUND LEVEL WINDOW WALL - PINCKNEY ST RETAIL
SCALE: 3/4" = 1'-0"



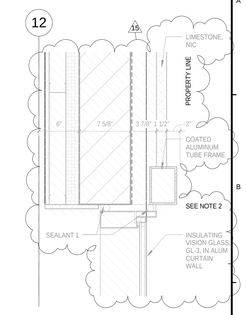
F6 TYP. EXTERIOR WALL SECTION AT PINCKNEY ST. RETAIL ENTRY
SCALE: 3/4" = 1'-0"



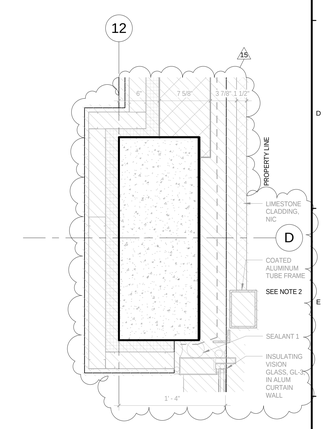
C4 GROUND LEVEL- DOTY ST - EXTERIOR WALL DETAIL
SCALE: 1 1/2" = 1'-0"



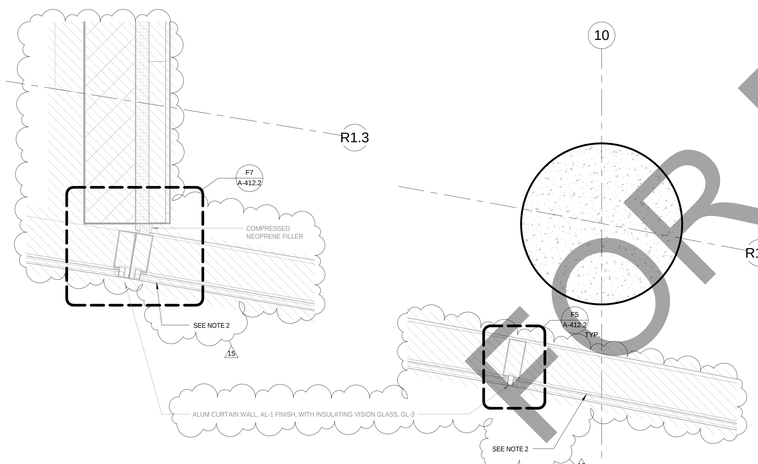
F4 GROUND LEVEL - DOTY ST. EXTERIOR WALL DETAIL
SCALE: 1 1/2" = 1'-0"



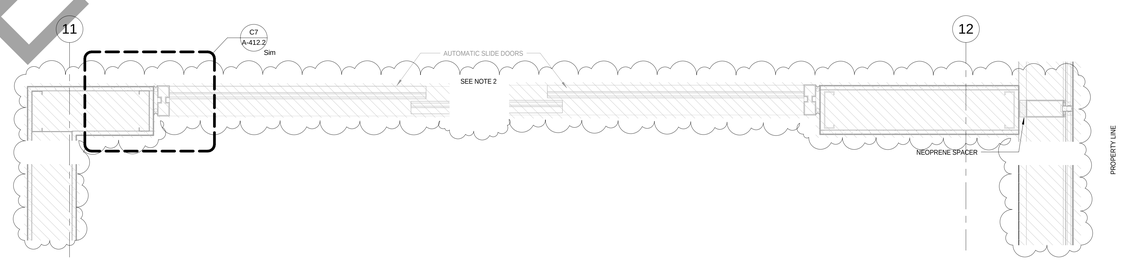
C2 GROUND LEVEL - EXTERIOR WALL DETAIL
SCALE: 1 1/2" = 1'-0"



F2 GROUND LEVEL WINDOW WALL - ALUMINUM PANEL DETAIL
SCALE: 1 1/2" = 1'-0"

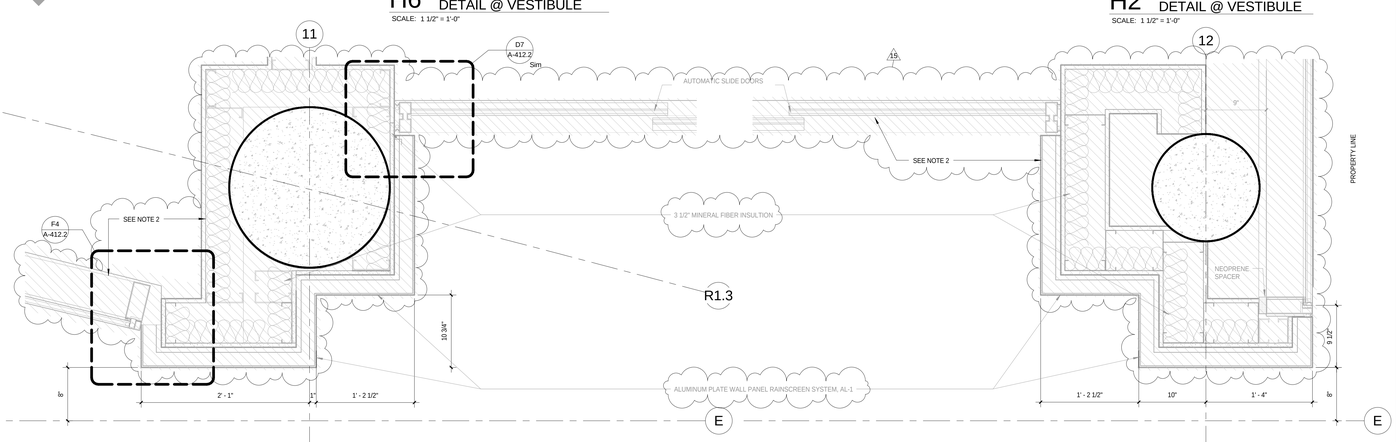


K12 GROUND LEVEL CURTAIN WALL DETAIL - AT RETAIL
SCALE: 1 1/2" = 1'-0"



H6 CURTAIN WALL MULLION DETAIL @ VESTIBULE
SCALE: 1 1/2" = 1'-0"

H2 CURTAIN WALL MULLION DETAIL @ VESTIBULE
SCALE: 1 1/2" = 1'-0"



K10 GROUND LEVEL CURTAIN WALL - TYPICAL MULLION DETAIL
SCALE: 1 1/2" = 1'-0"

K6 GROUND LEVEL WINDOW WALL DETAIL - PINCKNEY ST RETAIL ENTRY
SCALE: 1 1/2" = 1'-0"

K2 GROUND LEVEL CURTAIN WALL CORNER DETAIL - RETAIL ENTRY
SCALE: 1 1/2" = 1'-0"

NOTE: VESTIBULE REVISIONS AS CLOUDED NOT INCLUDED IN BULLETIN #1 - TO BE ISSUED AS SUBSEQUENT BULLETIN

General Notes

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NOTE 2 : ALL EXTERIOR WALL ENCLOSURE IS NOT IN CONTRACT UNLESS OTHERWISE NOTED

LEGEND

N.I.C. — **CONSTRUCTION ITEMS FOR REFERENCE ONLY - NOT IN CONTRACT - SUBJECT TO SEPARATE PERMIT**

No.	Description	Date
15	BULLETIN #6	08/03/2018
11	BULLETIN #2	12/07/2017
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JUDGE DOYLE SQUARE - PODIUM

JUDGE DOYLE SQUARE

CITY OF MADISON

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lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

EXTERIOR WALL DETAILS - GROUND LEVEL - ENLARGED WALL SECTIONS

Drawn	Date
Author	8/3/2018 5:37:18 PM
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Checker	A-412.1
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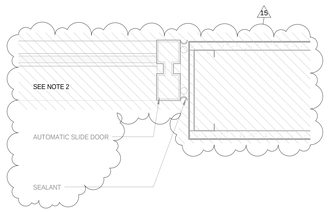
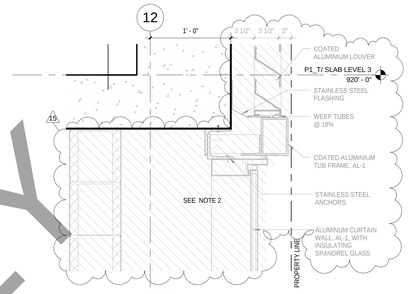
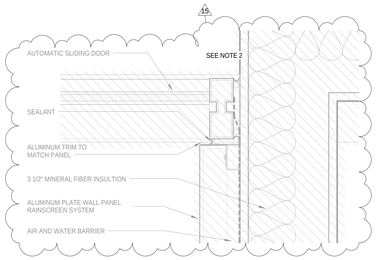


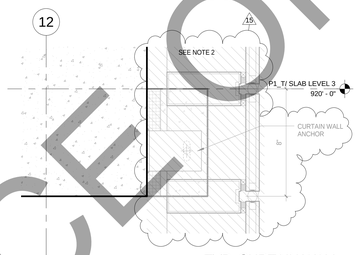
C7 SLIDING DOOR AND FRAMING DETAIL
SCALE: 3" = 1'-0"



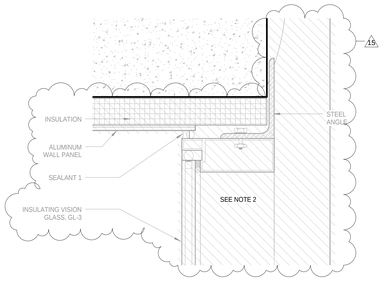
C2 LOUVER DETAIL
SCALE: 1 1/2" = 1'-0"



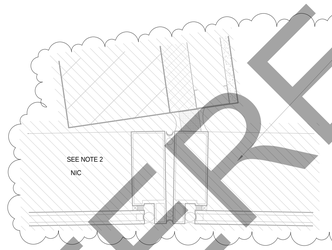
D7 SLIDING DOOR AND CMU DETAIL - RETAIL ENTRY
SCALE: 3" = 1'-0"



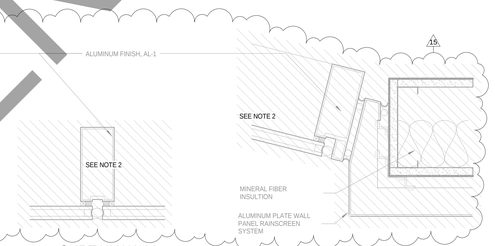
D4 TYP. CURTAIN WALL MULLION DETAIL @ SLAB
SCALE: 3" = 1'-0"



D2 CURTAIN WALL & ALUM FRAMING DETAIL
SCALE: 3" = 1'-0"

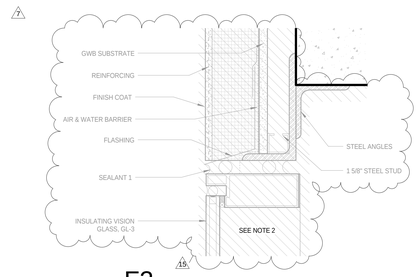


F7 CURTAIN WALL DETAIL
SCALE: 3" = 1'-0"



F5 CURTAIN WALL MULLION DETAIL
SCALE: 3" = 1'-0"

F4 CURTAIN WALL JAMB DETAIL
SCALE: 3" = 1'-0"

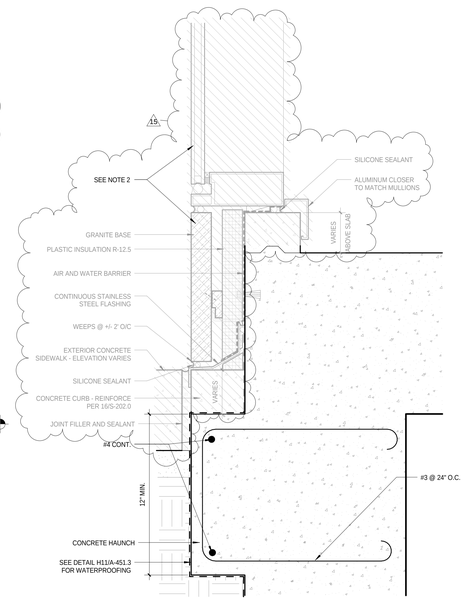


F2 CURTAIN WALL HEAD DETAIL
SCALE: 3" = 1'-0"

K7 ENLARGED ELEVATION - PINCKNEY ST. RETAIL
SCALE: 3" = 1'-0"

K5 ENLARGED ELEVATION - PINCKNEY ST. RETAIL
SCALE: 3" = 1'-0"

K4 ENLARGED ELEVATION - PINCKNEY ST. RETAIL
SCALE: 3" = 1'-0"



K2 CURTAIN WALL SILL DETAIL
SCALE: 3" = 1'-0"

FOR REFERENCE ONLY

General Notes

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LEGEND

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JUDGE DOYLE SQUARE - PODIUM

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CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

EXTERIOR WALL DETAILS - CURTAIN WALL

Drawn	Date
Author	8/3/2018 5:37:32 PM
Checked By	**Drawing Number**
Checker	A-412.2
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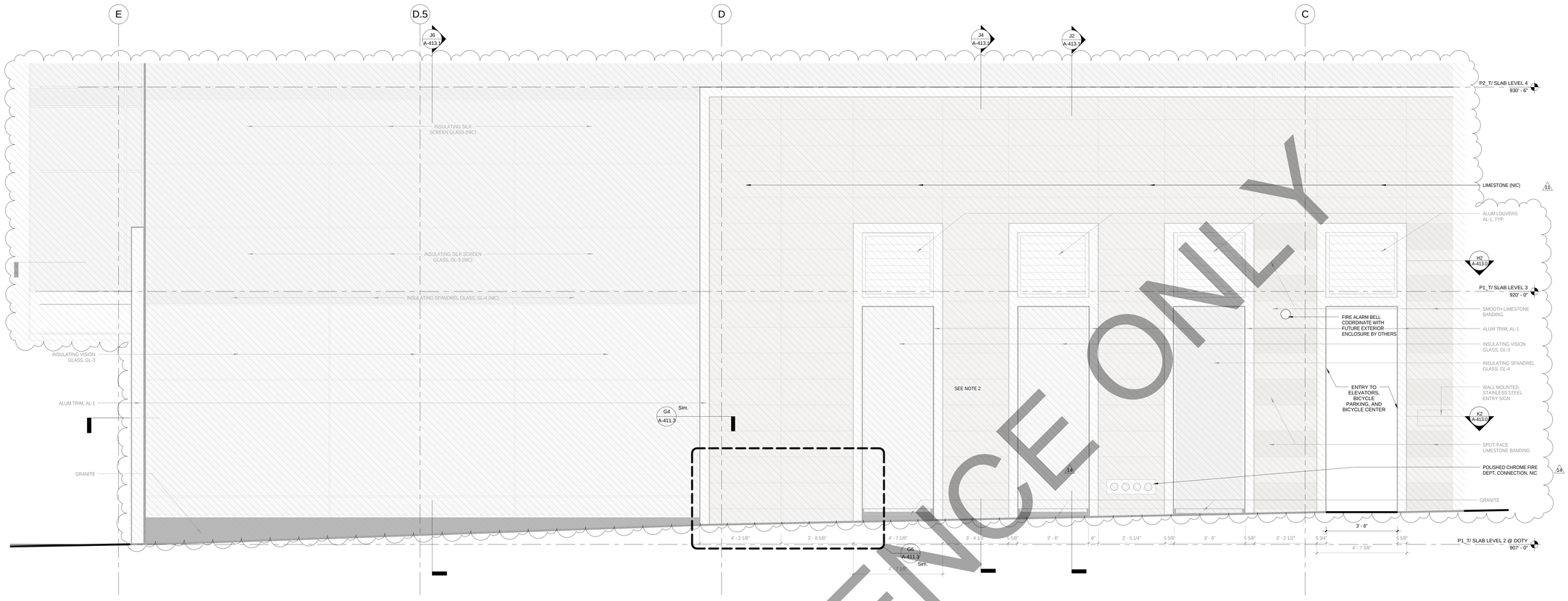
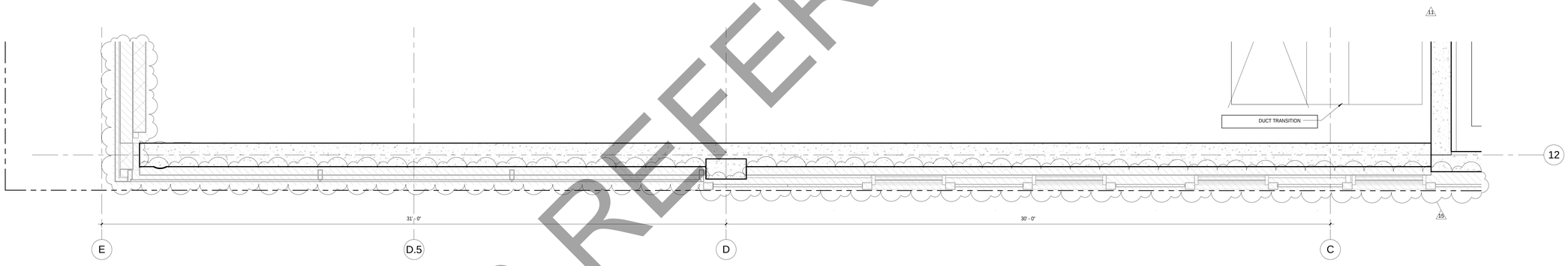


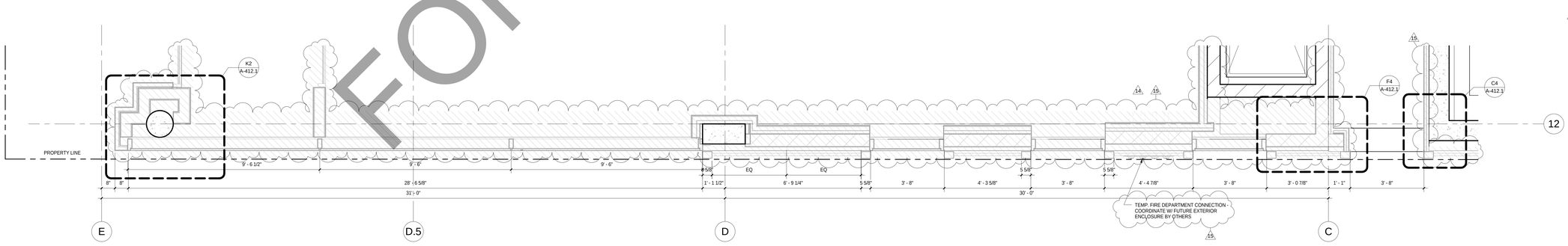
E2 NW ELEVATION - DOTY ST.
ENLARGED ELEVATION

SCALE: 1/2" = 1'-0"



H2 LEVEL 3 PLAN - APARTMENT PARKING
ENLARGED PLAN

SCALE: 1/2" = 1'-0"



K2 LEVEL 2 PLAN - DOTY ST. ENTRY
ENLARGED PLAN

SCALE: 1/2" = 1'-0"

FOR REFERENCE ONLY

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LEGEND

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HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

EXTERIOR WALL DETAILS - GROUND LEVEL - ELEVATION & PLAN

Drawn	Date
Author	8/3/2018 5:37:41 PM
Checked By	**Drawing Number**
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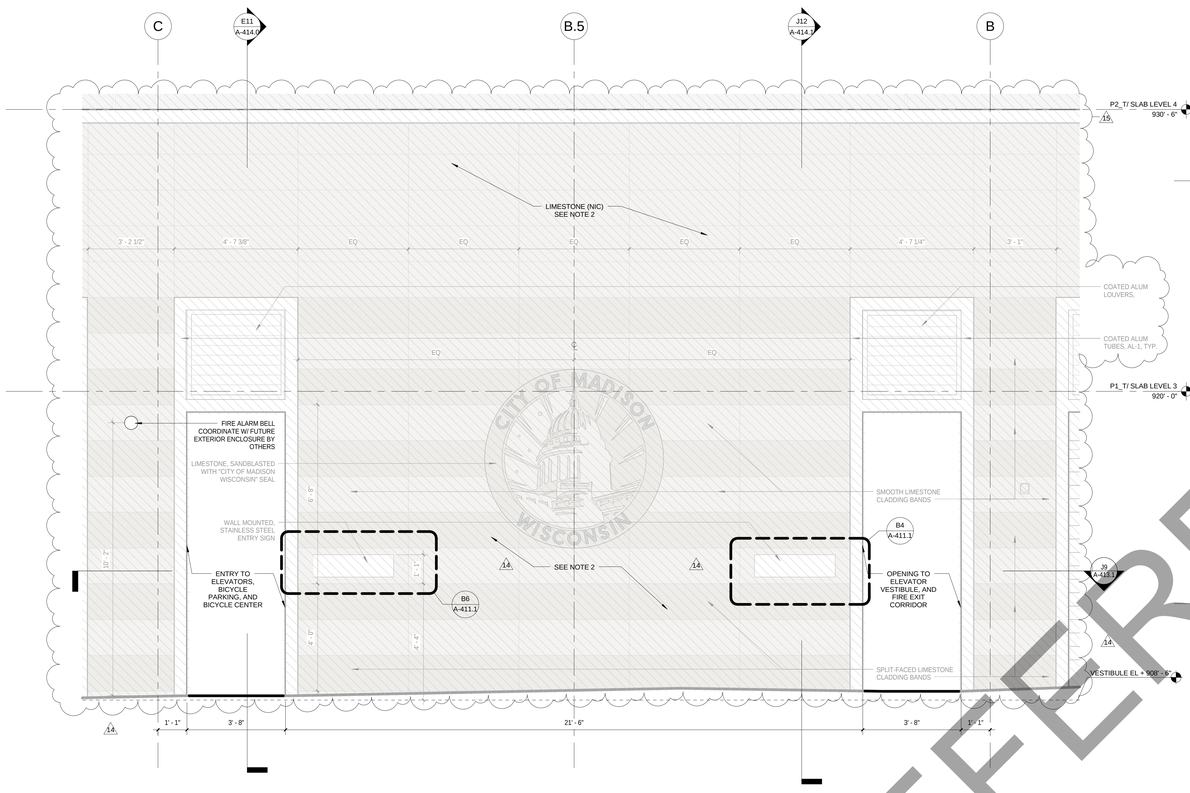
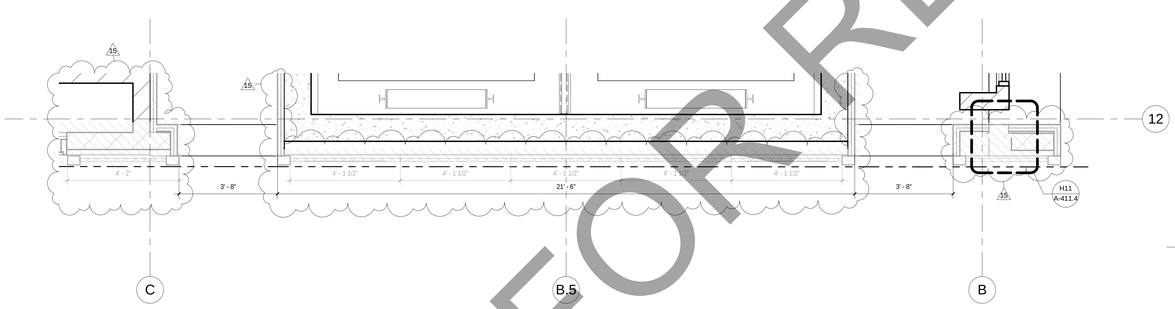


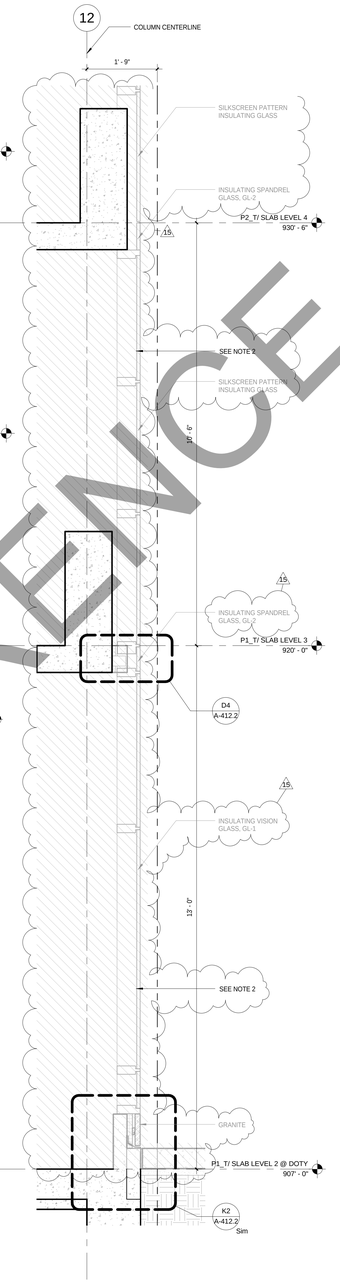
G9 NW ELEVATION - DOTY STREET - ELARGED PEDESTRIAN ENTRY ELEVATION

SCALE: 1/2" = 1'-0"



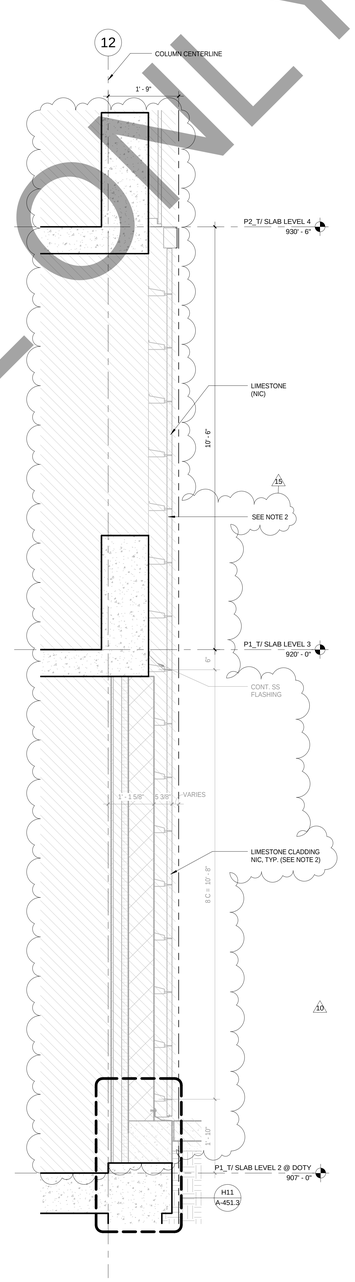
J9 LEVEL 2 PLAN - DOTY ST. ENTRY - ENLARGED PUBLIC PARKING ENTRY/EXIT PLAN Copy 1

SCALE: 1/2" = 1'-0"



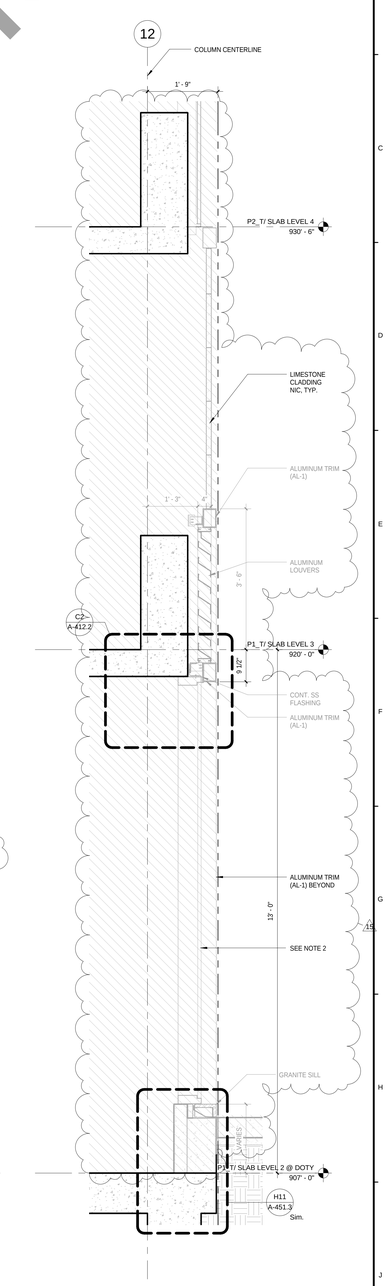
J6 TYP. CURTIAN WALL ENLARGED WALL SECTION

SCALE: 3/4" = 1'-0"



J4 TYP. LIMESTONE ENLARGED WALL SECTION

SCALE: 3/4" = 1'-0"



J2 TYP. BOX WINDOW ENLARGED WALL SECTION

SCALE: 3/4" = 1'-0"

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LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

EXTERIOR WALL DETAILS - GROUND LEVEL - ENLARGED WALL SECTIONS

Drawn	Date
Author	8/3/2018 5:37:52 PM
Checked By	**Drawing Number**
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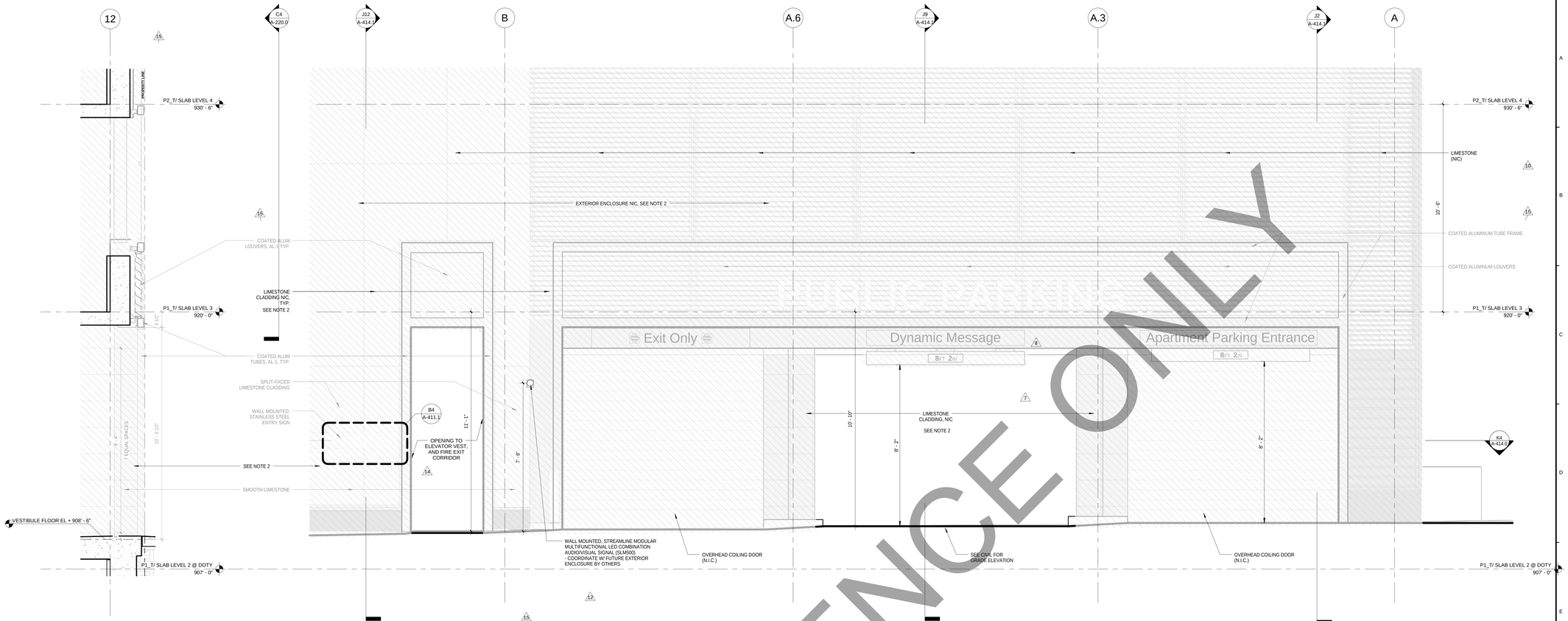
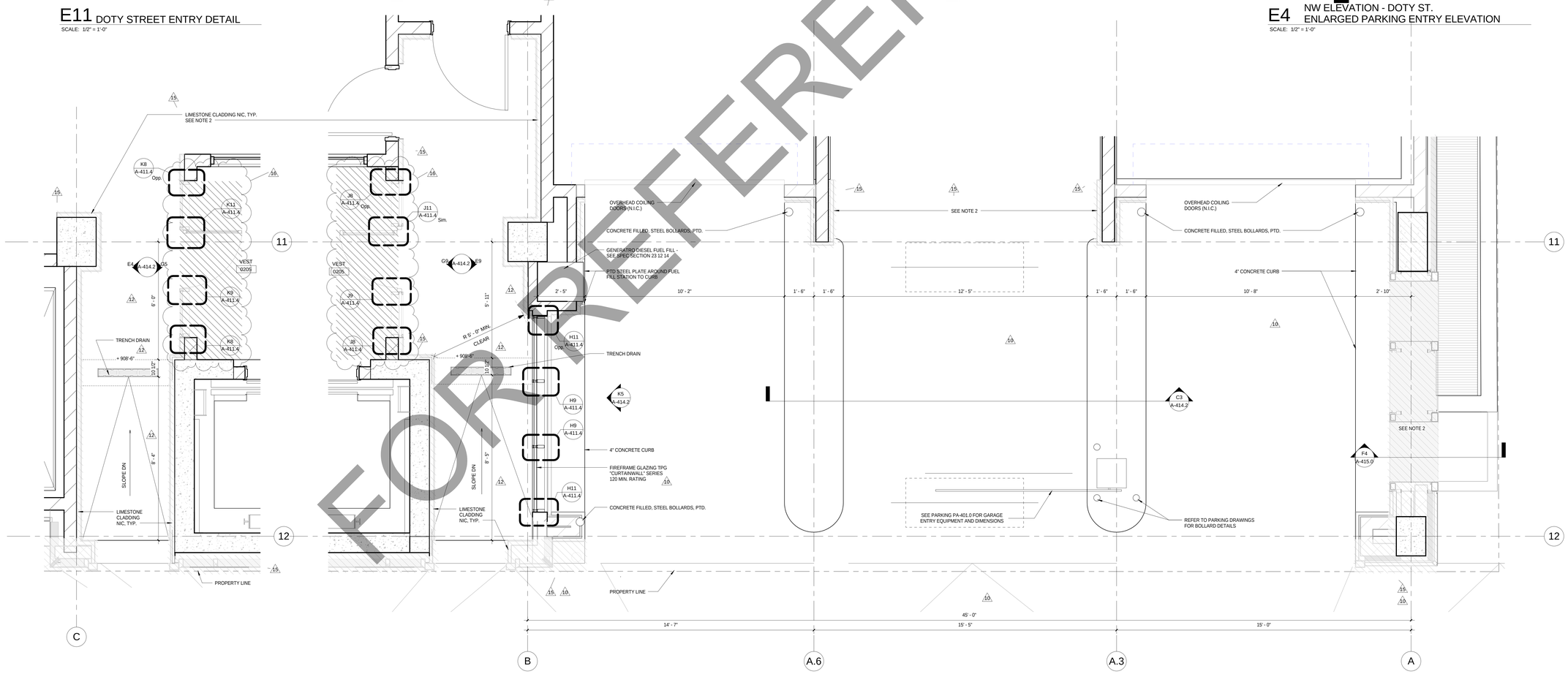


E11 DOTY STREET ENTRY DETAIL

SCALE: 1/2" = 1'-0"

E4 NW ELEVATION - DOTY ST. ENLARGED PARKING ENTRY ELEVATION

SCALE: 1/2" = 1'-0"



K11 LEVEL 2 PLAN - DOTY STREET ENTRANCE - ENLARGED WEST CORE - Callout 1

SCALE: 1/2" = 1'-0"

K4 LEVEL 2 PLAN - DOTY ST. ENTRY - ENLARGED PUBLIC PARKING ENTRY/EXIT PLAN

SCALE: 1/2" = 1'-0"

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5	ISSUED FOR FINAL BID	06/23/2017
4	ISSUED FOR BID	06/16/2017
3	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
2	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - PODIUM

JUDGE DOYLE SQUARE

CITY OF MADISON

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE

Drawing Title

EXTERIOR WALL DETAILS - GROUND LEVEL - ELEVATION & PLAN

Drawn	Date
Author	9/14/2018 5:41:18 PM
Checked By	**Drawing Number**
Checker	A-414.0
Approved	
Approver	
Job Number	
217-1088	

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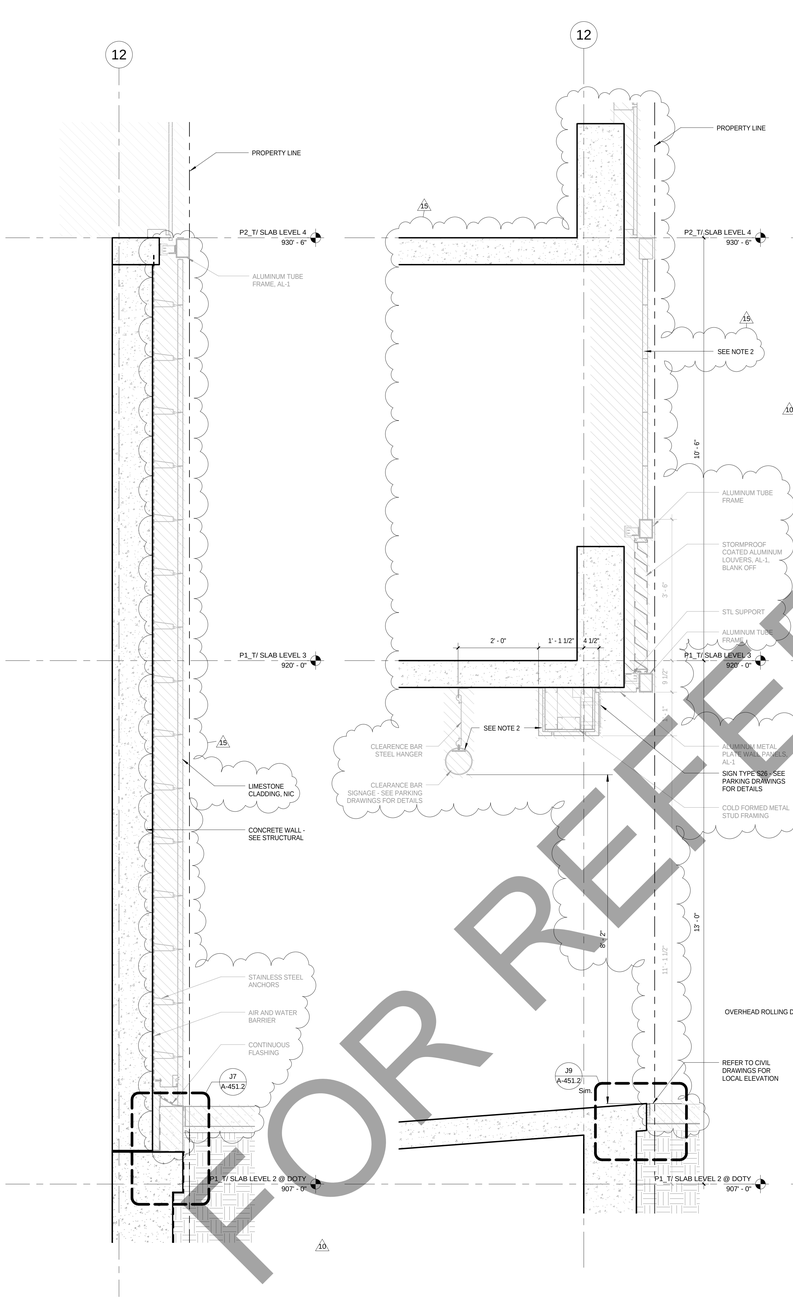
9/14/2018 5:41:18 PM

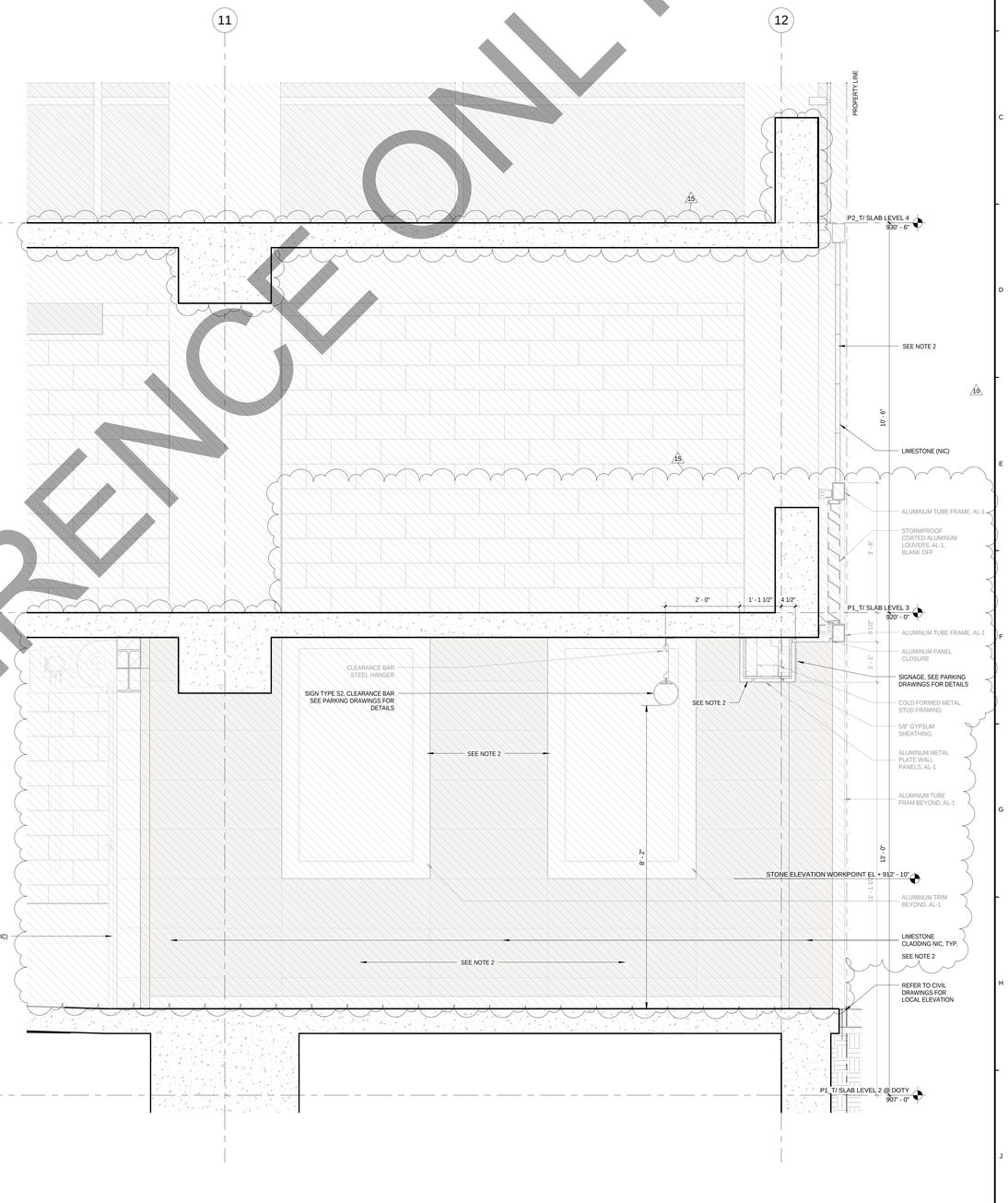


J12 ENLARGED WALL SECTION
AT COLUMN - DOTY STREET

SCALE: 3/4" = 1'-0"

J9 ENLARGED WALL SECTION
PARKING GARAGE ENTRY/EXIT

SCALE: 3/4" = 1'-0"



J2 ENLARGED WALL SECTION
PARKING GARAGE ENTRY - DOTY STREET

SCALE: 3/4" = 1'-0"

FOR REFERENCE ONLY

General Notes

NOTE 1: CONSTRUCTION SHOWN HALF-TONE IS FOR INFORMATION ONLY - SUSEQUENT DEVELOPMENT UNDER SEPARATE CONTRACT

NOTE 2 : ALL EXTERIOR WALL ENCLOSURE IS NOT IN CONTRACT, UNLESS OTHERWISE NOTED

15

LEGEND

N.I.C. — **CONSTRUCTION ITEMS FOR REFERENCE ONLY - NOT IN CONTRACT - SUBJECT TO SEPARATE PERMIT**

No.	Description	Date
15	BULLETIN #6	08/03/2018
10	BULLETIN #1	11/08/2017
9	BID DOCUMENTS	09/07/2017
7	ADDENDUM #2	07/28/2017
6	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
5	ISSUED FOR FINAL BID	06/23/2017
4	ISSUED FOR BID	06/16/2017
3	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
2	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - PODIUM

JUDGE DOYLE SQUARE

CITY OF MADISON

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS
MADISON | CHICAGO | ST. LOUIS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS
A WSP | PARSONS BRINCKERHOFF COMPANY

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

EXTERIOR WALL DETAILS - GROUND LEVEL - ENLARGED WALL SECTIONS

Drawn	Date
Author	8/3/2018 5:38:10 PM
Checked By	**Drawing Number**
Checker	A-414.1
Approved	
Approver	
Job Number	
217-1088	

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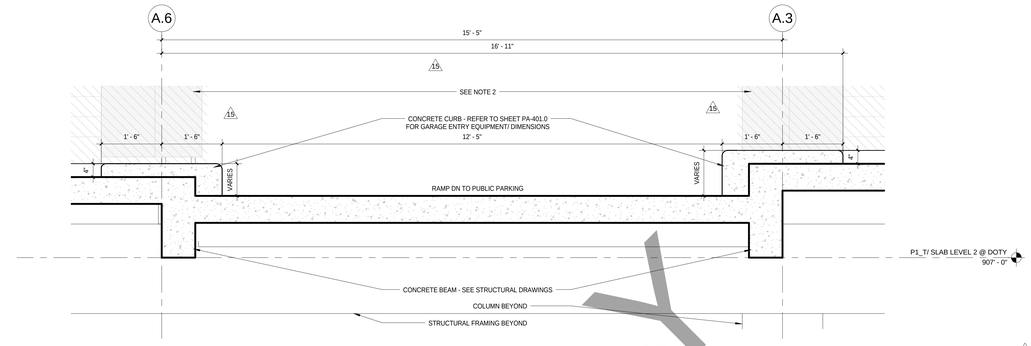
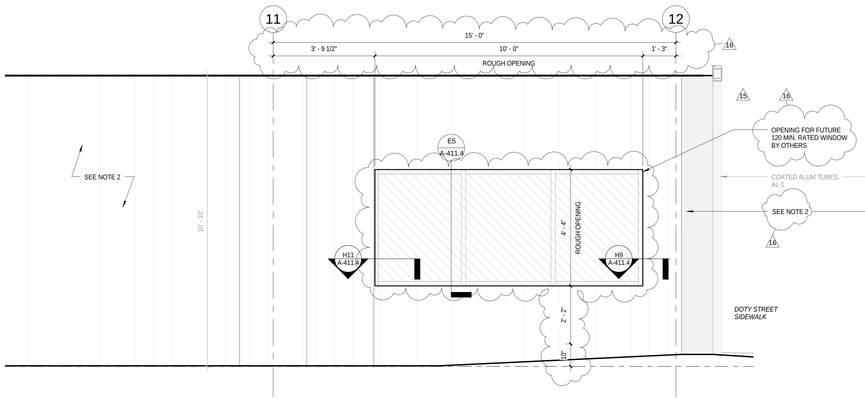
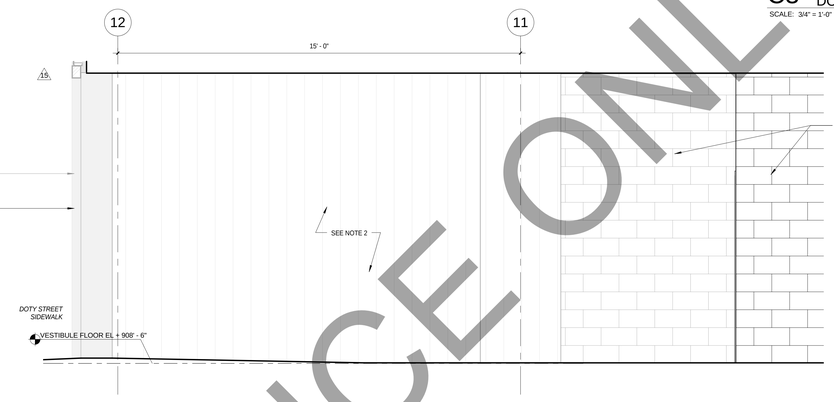


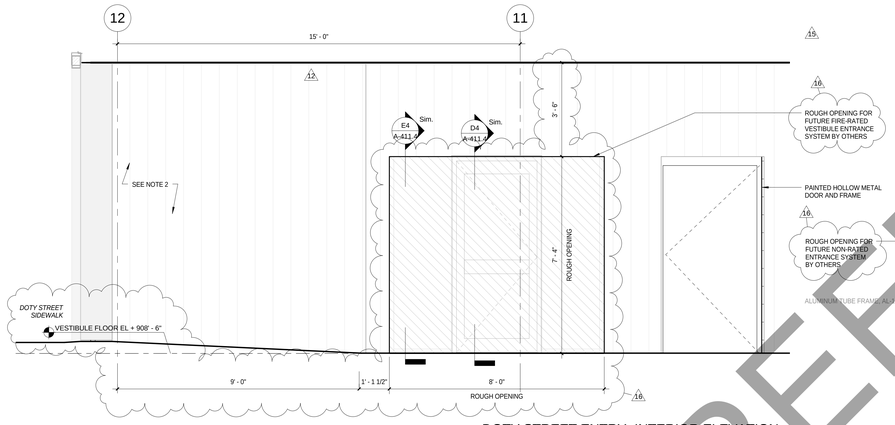
C3 DOTY STREET ENTRY RAMP SECTION
SCALE: 3/4" = 1'-0"



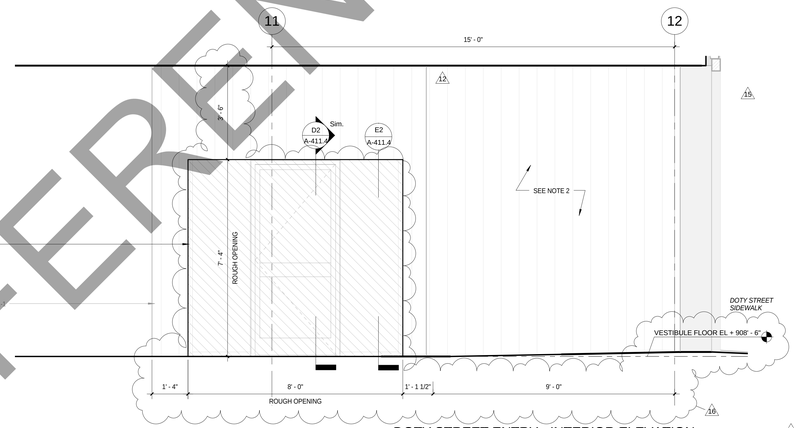
E9 DOTY STREET ENTRY INTERIOR ELEVATION AT EXIT CORRIDOR, WEST ENTRANCE
SCALE: 1/2" = 1'-0"



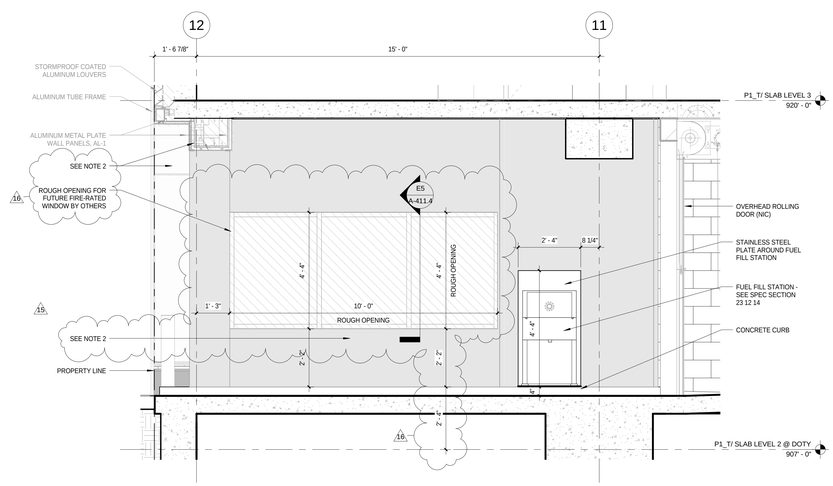
E4 DOTY STREET ENTRY - INTERIOR ELEVATION AT BICYCLE CENTER DOOR
SCALE: 1/2" = 1'-0"



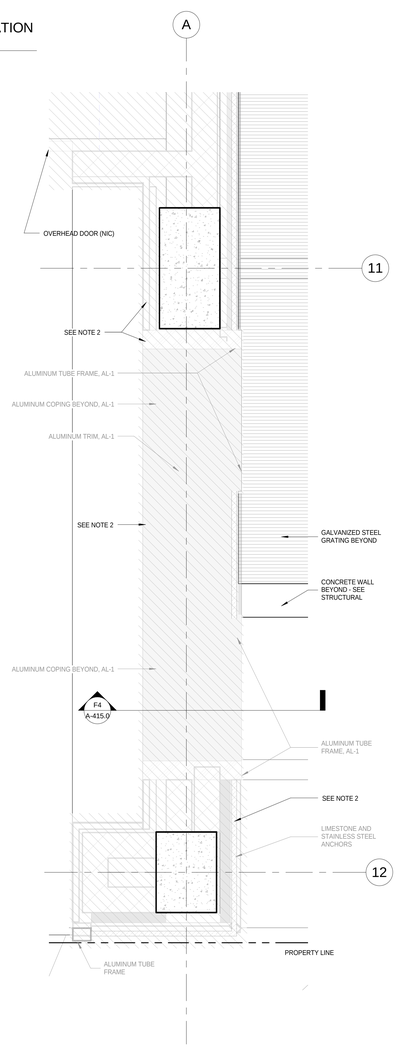
G9 DOTY STREET ENTRY- INTERIOR ELEVATION AT GARAGE VEST, WEST ENTRANCE
SCALE: 1/2" = 1'-0"



G5 DOTY STREET ENTRY - INTERIOR ELEVATION AT GARAGE VEST, EAST ENTRANCE
SCALE: 1/2" = 1'-0"



K5 DOTY STREET GARAGE ENTRY INTERIOR SECTION - FACING VESTIBULE
SCALE: 1/2" = 1'-0"



K3 LEVEL 2 PLAN - DOTY ST. ENTRY - ENLARGED PUBLIC PARKING ENTRY/EXIT PLAN - Callout 2
SCALE: 3/4" = 1'-0"

FOR REFERENCE ONLY

General Notes

NOTE 1: CONSTRUCTION SHOWN HALF-TONE IS FOR INFORMATION ONLY - SUSEQUENT DEVELOPMENT UNDER SEPARATE CONTRACT

NOTE 2 : ALL EXTERIOR WALL ENCLOSURE IS NOT IN CONTRACT UNLESS OTHERWISE NOTED

LEGEND

N.I.C. — **CONSTRUCTION ITEMS FOR REFERENCE ONLY - NOT IN CONTRACT - SUBJECT TO SEPARATE PERMIT**

No.	Description	Date
16	FINAL BULLETIN #6	09/14/2018
15	BULLETIN #6	08/03/2018
12	BULLETIN #3	03/05/2018
11	BULLETIN #2	12/07/2017
9	BID DOCUMENTS	09/07/2017
6	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
5	ISSUED FOR FINAL BID	06/23/2017
4	ISSUED FOR BID	06/16/2017
3	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
2	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - PODIUM

JUDGE DOYLE SQUARE

CITY OF MADISON

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

EXTERIOR WINDOW WALL DETAILS - GROUND LEVEL - ENLARGED PLANS

Drawn	Date
Author	9/14/2018 5:41:46 PM
Checked By	**Drawing Number**
Checker	A-414.2
Approved	
Approver	
Job Number	
217-1088	

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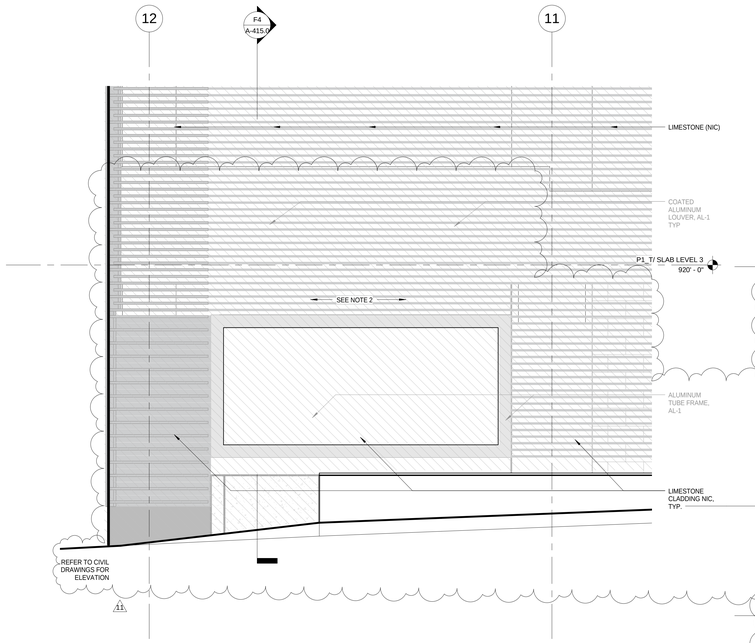
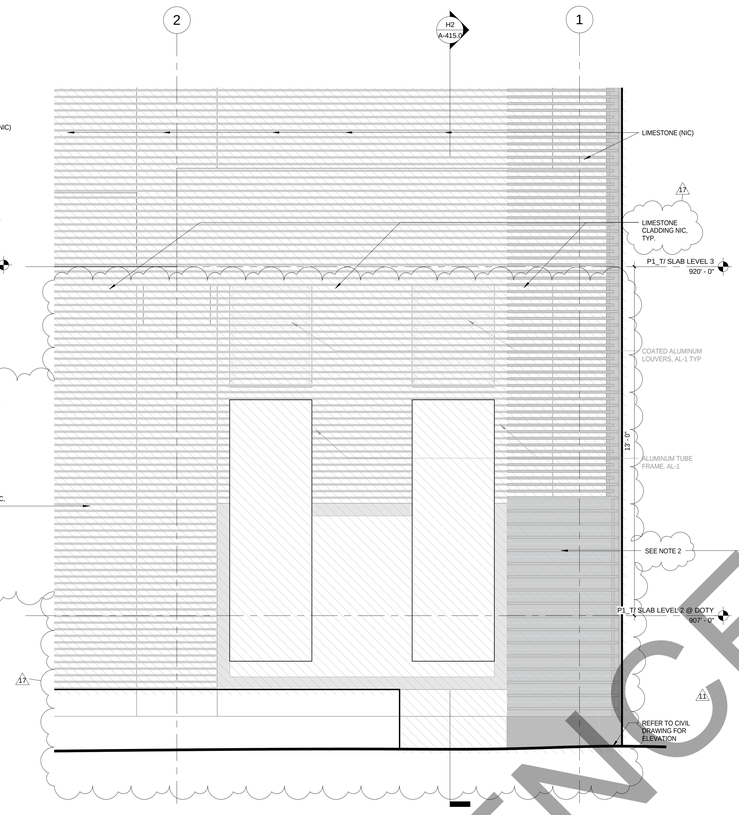


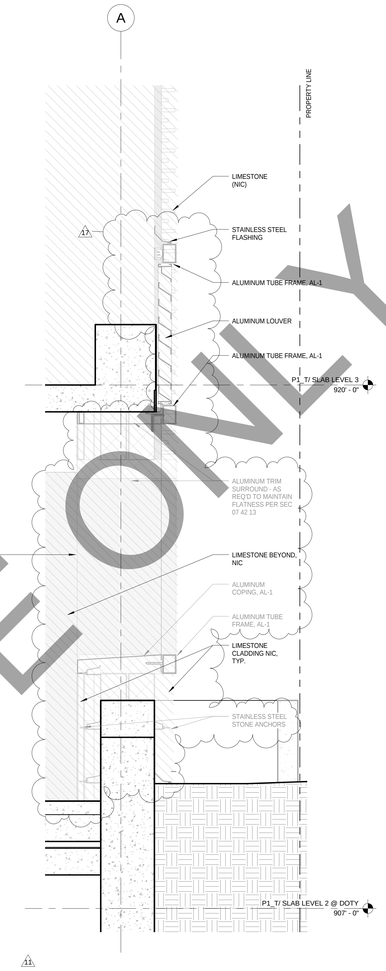
E10 ENLARGED SW ELEVATION - DOTY STREET

SCALE: 1/2" = 1'-0"



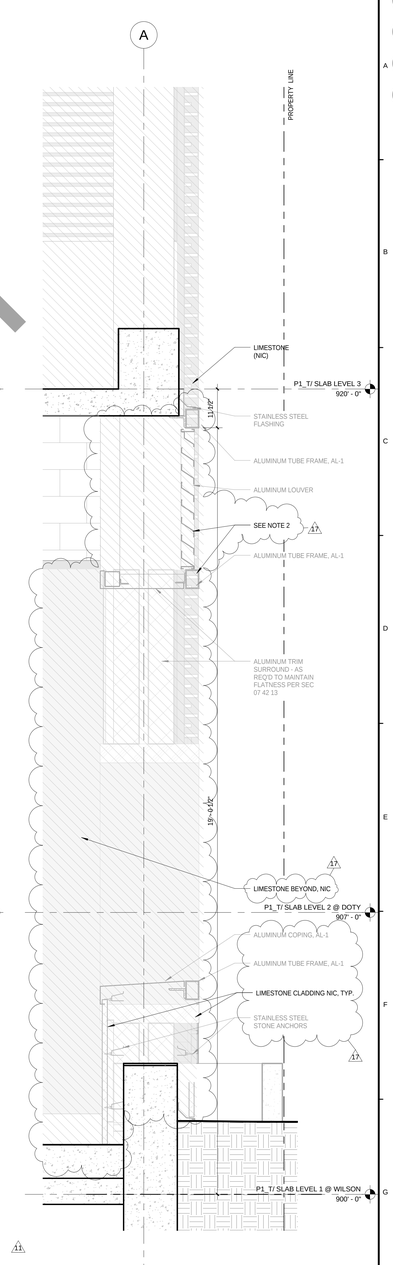
E6 ENLARGED SW ELEVATION - WILSON STREET

SCALE: 1/2" = 1'-0"



F4 ENLARGED WALL SECTION AT MMB VIEWING WINDOW - DOTY

SCALE: 3/4" = 1'-0"



H2 ENLARGED WALL SECTION AT MMB VIEW WINDOW - WILSON

SCALE: 3/4" = 1'-0"

FOR REFERENCE ONLY

General Notes

NOTE 1: CONSTRUCTION SHOWN HALF-TONE IS FOR INFORMATION ONLY - SUSEQUENT DEVELOPMENT UNDER SEPARATE CONTRACT

NOTE 2 : ALL EXTERIOR WALL ENCLOSURE IS NOT IN CONTRACT UNLESS OTHERWISE NOTED

LEGEND

N.I.C. — **CONSTRUCTION ITEMS FOR REFERENCE ONLY - NOT IN CONTRACT - SUBJECT TO SEPARATE PERMIT**

17

No.	Description	Date
17	BULLETIN #7	10/15/2018
11	BULLETIN #2	12/07/2017
9	BID DOCUMENTS	09/07/2017
6	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
5	ISSUED FOR FINAL BID	06/23/2017
4	ISSUED FOR BID	06/16/2017
3	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017

JUDGE DOYLE SQUARE - PODIUM

JUDGE DOYLE SQUARE

CITY OF MADISON

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

EXTERIOR WALL DETAILS - GROUND LEVEL - ELEVATION & SECTION

Drawn	Date
Author	10/15/2018 3:58:32 PM
Checked By	**Drawing Number**
Checker	A-415.0
Approved	
Approver	
Job Number	
217-1088	

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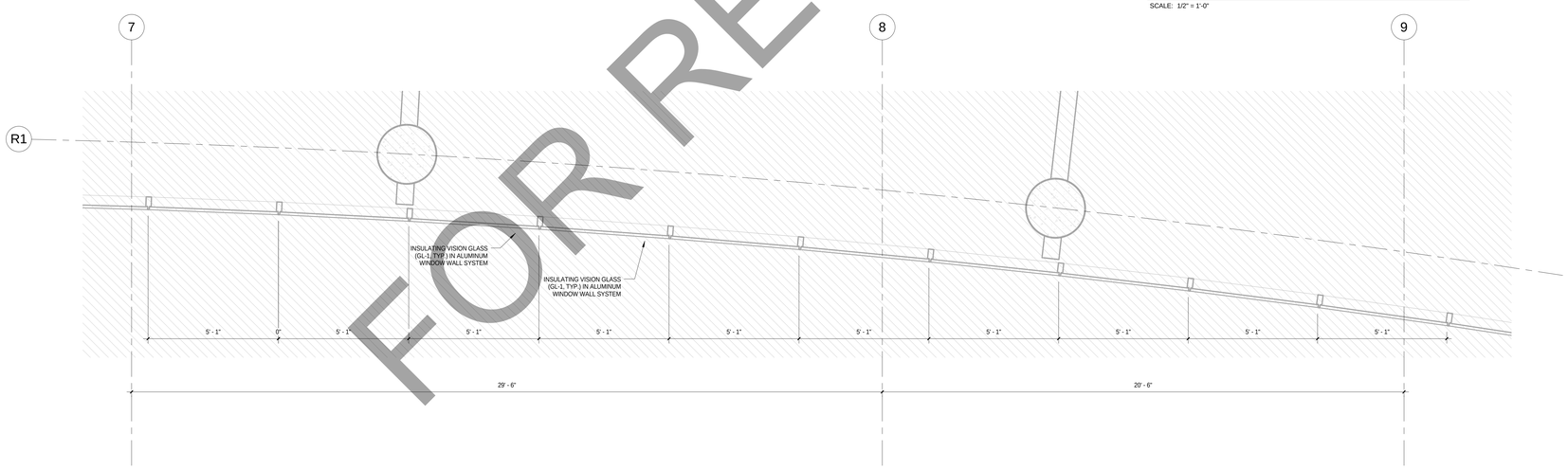
10/15/2018 3:58:32 PM

G11 NE ELEVATION - PINCKNEY ST.
ENLARGED ELEVATION AT LEVEL 6-13

SCALE: 1/2" = 1'-0"

G2 WALL SECTION

SCALE: 1/2" = 1'-0"



K11 LEVEL 6-13 PLAN - TYPICAL APARTMENTS
ENLARGED PLAN AT LEVEL 6-13

SCALE: 1/2" = 1'-0"

FOR REFERENCE ONLY

General Notes

NOTE 1: CONSTRUCTION SHOWN HALF-TONE IS FOR INFORMATION ONLY - SUSEQUENT PRIVATE DEVELOPMENT UNDER SEPARATE CONTRACT

LEGEND

N.I.C. — **CONSTRUCTION ITEMS FOR REFERENCE ONLY - NOT IN CONTRACT - SUBJECT TO SEPARATE PERMIT**

FOR REFERENCE ONLY

WISCONSIN
JAMES R. DESTEFANO
3614-5
MADISON
ARCHITECT

No.	Description	Date
9	BID DOCUMENTS	09/07/2017
6	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
5	ISSUED FOR FINAL BID	06/23/2017
4	ISSUED FOR BID	06/16/2017
3	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
2	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017
1	ISSUED FOR SCHEMATIC DESIGN	02/03/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

EXTERIOR WALL DETAILS - TOWER LEVEL - ELEVATION, PLAN & SECTION

Drawn	Date
Author	9/5/2017 11:23:16 AM
Checked By	**Drawing Number**
Checker	A-420.0
Approved	
Approver	
Job Number	
215-1051	

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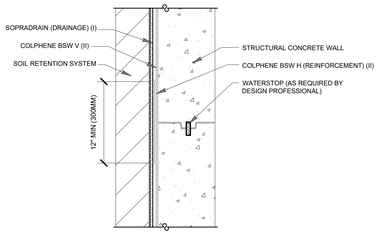
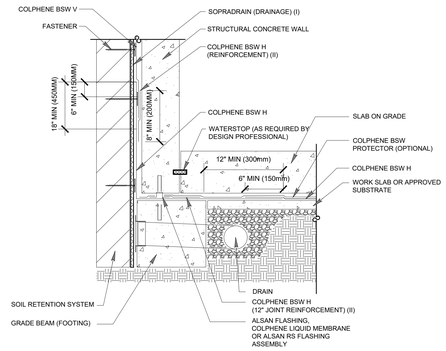


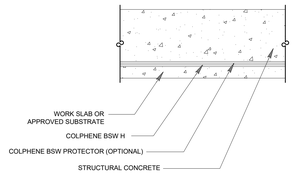
B11 BLINDSIDE WATERPROOFING COLD/CONSTRUCTION JOINT DETAIL

SCALE: NOT TO SCALE



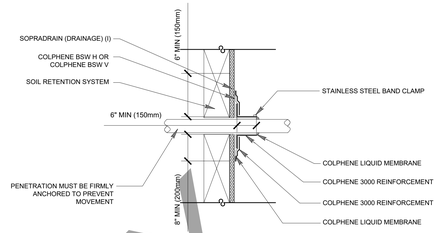
B8 BLINDSIDE WATERPROOFING AT GRADE BEAM

SCALE: NOT TO SCALE



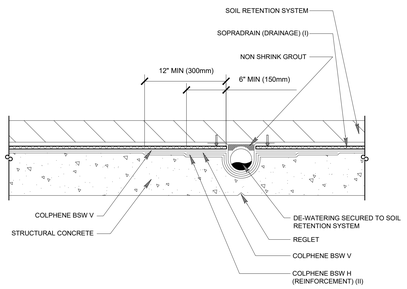
B5 BLINDSIDE WATERPROOFING HORIZONTAL DETAIL

SCALE: NOT TO SCALE



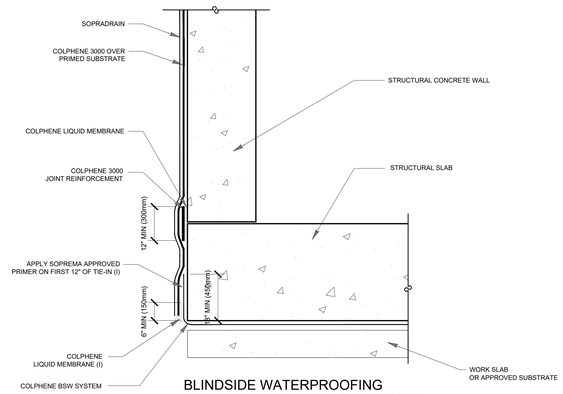
B2 BLINDSIDE WATERPROOFING COLPHENE LIQUID MEMBRANE PENETRATION FLASHING

SCALE: NOT TO SCALE



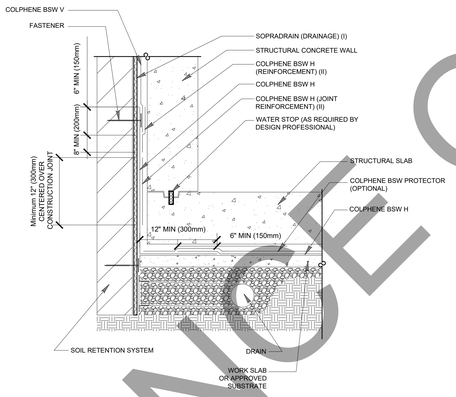
D11 BLINDSIDE WATERPROOFING DETAIL AT PIPE IN FOUNDATION WALL

SCALE: NOT TO SCALE



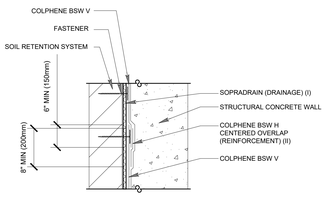
D8 BLINDSIDE WATERPROOFING AT POST APPLIED COLPHENE 3000 TRANSITION/TIE-IN

SCALE: NOT TO SCALE



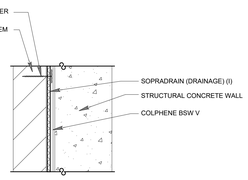
D5 BLINDSIDE WATERPROOFING AT STRUCTURAL SLAB

SCALE: NOT TO SCALE



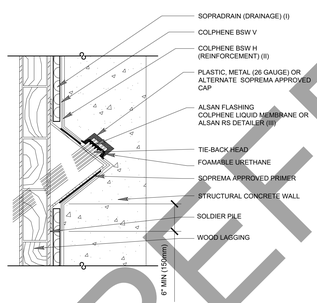
D2 BLINDSIDE WATERPROOFING VERTICAL WALL END LAP DETAIL

SCALE: NOT TO SCALE



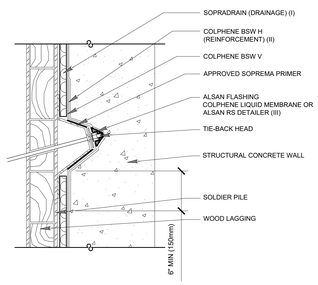
F11 BLINDSIDE WATERPROOFING VERTICAL DETAIL

SCALE: NOT TO SCALE



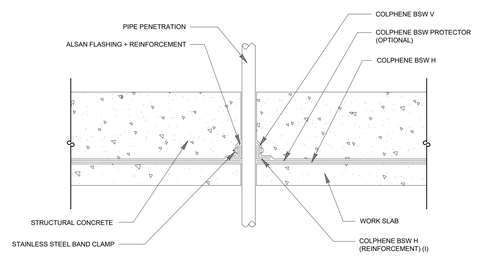
F8 BLINDSIDE WATERPROOFING AT TIE-BACK HEAD (BUNDLE)

SCALE: NOT TO SCALE



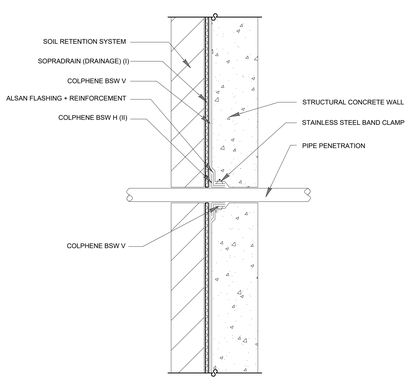
F5 BLINDSIDE WATERPROOFING AT TIE-BACK HEAD

SCALE: NOT TO SCALE



F2 HORIZONTAL PENETRATION DETAIL

SCALE: NOT TO SCALE



K11 VERTICAL PENETRATION DETAIL

SCALE: NOT TO SCALE

9	BID DOCUMENTS	09/07/2017
8	ADDENDUM 3	08/02/2017
7	ADDENDUM 2	07/28/2017
6	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
5	ISSUED FOR FINAL BID	06/23/2017
4	ISSUED FOR BID	06/16/2017
3	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
2	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017
1	ISSUED FOR SCHEMATIC DESIGN	02/03/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

GENERAL WATERPROOFING DETAILS (OPTION S)

Author 4/28/2017 2:09:19 PM

Checker

Approver

215-1051

A-450.1

FOR REFERENCE ONLY

2017 Lothan Van Hook Destefano Architecture LLC

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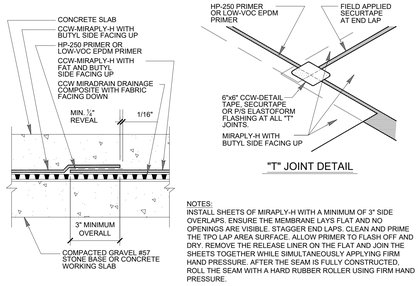
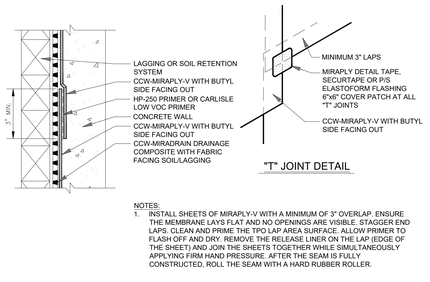


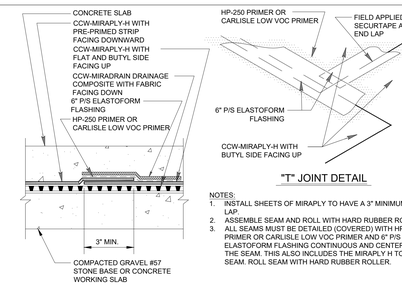
NOTES:
INSTALL SHEETS OF MIRAPLY-H WITH A MINIMUM OF 3" SIDE OVERLAPS. ENSURE THE MEMBRANE LAYS FLAT AND NO OPENINGS ARE VISIBLE. STAGGER END LAPS. CLEAN AND PRIME THE TPO LAP AREA SURFACE. ALLOW PRIMER TO FLASH OFF AND DRY. REMOVE THE RELEASE LINER ON THE FLAT AND JOIN THE SHEETS TOGETHER WHILE SIMULTANEOUSLY APPLYING FIRM HAND PRESSURE. AFTER THE SEAM IS FULLY CONSTRUCTED, ROLL THE SEAM WITH A HARD RUBBER ROLLER USING FIRM HAND PRESSURE.

B12 H SIDE LAP DETAIL
SCALE: NOT TO SCALE



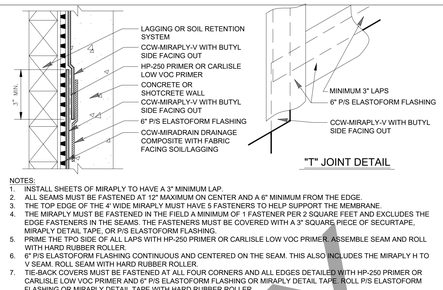
NOTES:
1. INSTALL SHEETS OF MIRAPLY-V WITH A MINIMUM OF 3" OVERLAP. ENSURE THE MEMBRANE LAYS FLAT AND NO OPENINGS ARE VISIBLE. STAGGER END LAPS. CLEAN AND PRIME THE TPO LAP AREA SURFACE. ALLOW PRIMER TO FLASH OFF AND DRY. REMOVE THE RELEASE LINER ON THE LAP (EDGE OF THE SHEET) AND JOIN THE SHEETS TOGETHER WHILE SIMULTANEOUSLY APPLYING FIRM HAND PRESSURE. AFTER THE SEAM IS FULLY CONSTRUCTED, ROLL THE SEAM WITH A HARD RUBBER ROLLER.

B9 V LAP DETAILS
SCALE: NOT TO SCALE



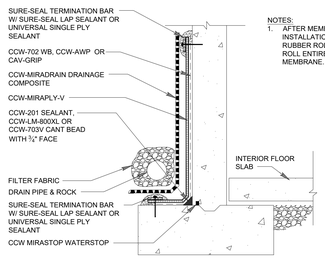
NOTES:
1. INSTALL SHEETS OF MIRAPLY TO HAVE A 3" MINIMUM SIDE LAP.
2. ASSEMBLE SEAM AND ROLL WITH HARD RUBBER ROLLER.
3. ALL SEAMS MUST BE DETAILED (COVERED) WITH HP-250 PRIMER OR CARLISLE LOW VOC PRIMER AND 6" P/S ELASTOFORM FLASHING CONTINUOUS AND CENTERED ON THE SEAM. THIS ALSO INCLUDES THE MIRAPLY H TO V SEAM. ROLL SEAM WITH HARD RUBBER ROLLER.

B6 H SIDE LAP DETAIL
SCALE: NOT TO SCALE



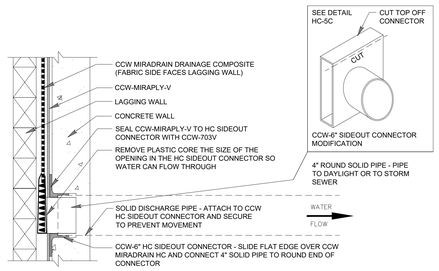
NOTES:
1. INSTALL SHEETS OF MIRAPLY TO HAVE A 3" MINIMUM LAP.
2. ALL SEAMS MUST BE FASTENED AT 12" MAXIMUM ON CENTER AND A 6" MINIMUM FROM THE EDGE.
3. THE TOP EDGE OF THE 4' WIDE MIRAPLY MUST HAVE 5 FASTENERS TO HELP SUPPORT THE MEMBRANE.
4. THE MIRAPLY MUST BE FASTENED IN THE FIELD A MINIMUM OF 1 FASTENER PER 2 SQUARE FEET AND EXCLUDES THE EDGE FASTENERS IN THE SEAMS. THE FASTENERS MUST BE COVERED WITH A 3" SQUARE PIECE OF SECURTAPE, MIRAPLY DETAIL TAPE, OR P/S ELASTOFORM FLASHING.
5. PRIME THE TPO SIDE OF ALL LAPS WITH HP-250 PRIMER OR CARLISLE LOW VOC PRIMER. ASSEMBLE SEAM AND ROLL WITH HARD RUBBER ROLLER.
6. 6" P/S ELASTOFORM FLASHING CONTINUOUS AND CENTERED ON THE SEAM. THIS ALSO INCLUDES THE MIRAPLY H TO V SEAM. ROLL SEAM WITH HARD RUBBER ROLLER.
7. TIE-BACK COVERS MUST BE FASTENED AT ALL FOUR CORNERS AND ALL EDGES DETAILED WITH HP-250 PRIMER OR CARLISLE LOW VOC PRIMER AND 6" P/S ELASTOFORM FLASHING OR MIRAPLY DETAIL TAPE. ROLL P/S ELASTOFORM FLASHING OR MIRAPLY DETAIL TAPE WITH HARD RUBBER ROLLER.
8. FOR SHOTCRETE APPLICATIONS, THE SHOTCRETE COMPANY MUST BE A LICENSED COMPANY AND THE NOZZLEMAN MUST BE ACI CERTIFIED.

B4 V LAP DETAILS
SCALE: NOT TO SCALE

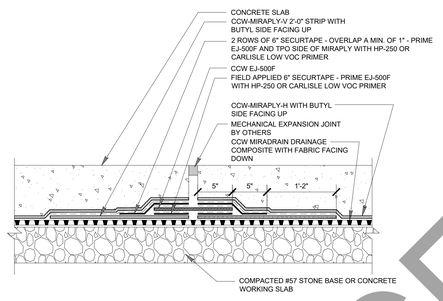


NOTES:
1. AFTER MEMBRANE INSTALLATION, USE HARD RUBBER ROLLER TO ROLL ENTIRE MIRAPLY MEMBRANE.

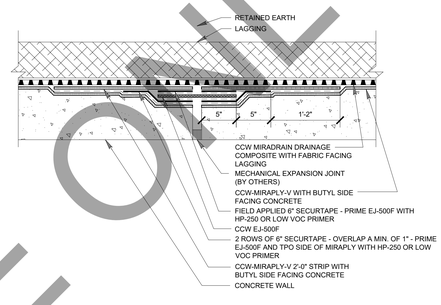
D12 POSITIVE SIDE INSTALLATION FOOTING CROSS SECTION
SCALE: NOT TO SCALE



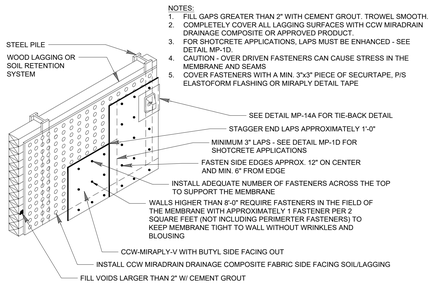
D9 LAGGING WALL DRAINAGE WALL WEEP DETAIL
SCALE: NOT TO SCALE



D6 SLAB EXPANSION JOINT DETAIL
SCALE: NOT TO SCALE

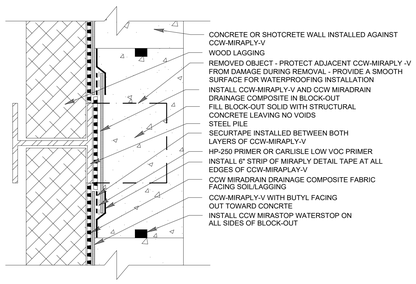


D4 WALL EXPANSION JOINT DETAIL
SCALE: NOT TO SCALE



NOTES:
1. FILL GAPS GREATER THAN 2" WITH CEMENT GROUT. TROWEL SMOOTH.
2. COMPLETELY COVER ALL LAGGING SURFACES WITH CCW MIRADRAIN DRAINAGE COMPOSITE OR APPROVED PRODUCT.
3. FOR SHOTCRETE APPLICATIONS, LAPS MUST BE ENHANCED - SEE DETAIL MP-1D.
4. CAUTION - OVER DRIVEN FASTENERS CAN CAUSE STRESS IN THE MEMBRANE AND SEAMS
5. COVER FASTENERS WITH A MIN. 3"x3" PIECE OF SECURTAPE, P/S ELASTOFORM FLASHING OR MIRAPLY DETAIL TAPE

F12 SOLDIER PILES AND LAGGING DETAIL
SCALE: NOT TO SCALE



F9 BLOCK-OUT DETAIL
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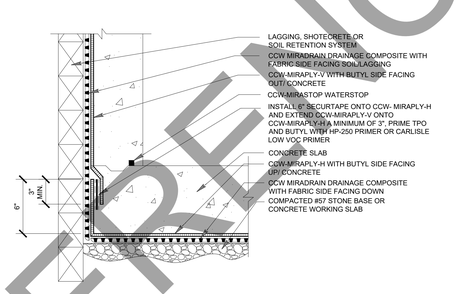
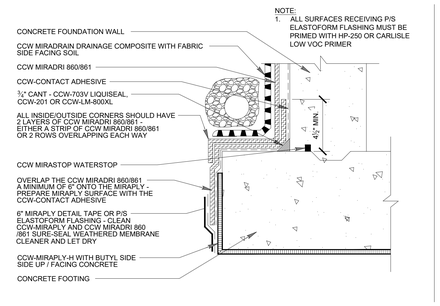
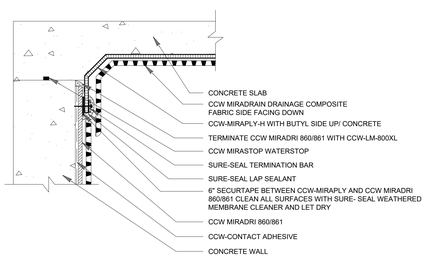


F6 V SLAB/FOUNDATION TIE-IN DETAIL
SCALE: NOT TO SCALE



NOTE:
1. ALL SURFACES RECEIVING P/S ELASTOFORM FLASHING MUST BE PRIMED WITH HP-250 OR CARLISLE LOW VOC PRIMER

F4 FOUNDATION TIE-IN DETAIL
SCALE: NOT TO SCALE



H12 H-FOUNDATION SLAB TIE-IN DETAIL
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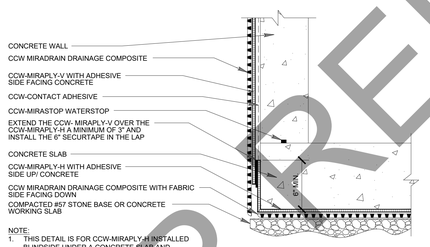
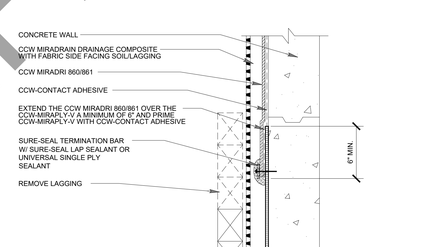


NOTE:
1. THIS DETAIL IS FOR CCW-MIRAPLY-H INSTALLED BLINDSIDE UNDER A CONCRETE SLAB AND CCW-MIRAPLY-V INSTALLED POSITIVE SIDE ON A POURED IN PLACE CONCRETE WALL USING A CONTACT ADHESIVE.

H9 V-SLAB/FOUNDATION TIE-IN
SCALE: NOT TO SCALE



H6 VERTICAL TIE-IN DETAIL
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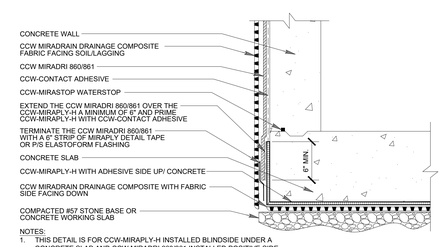
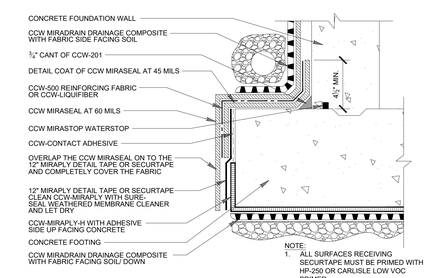


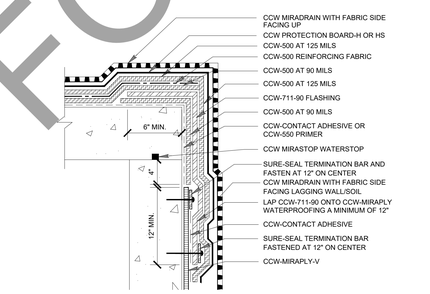
NOTES:
1. THIS DETAIL IS FOR CCW-MIRAPLY-H INSTALLED BLINDSIDE UNDER A CONCRETE SLAB AND CCW MIRADRI 860/861 INSTALLED POSITIVE SIDE ON A POURED IN PLACE CONCRETE WALL USING CONTACT ADHESIVE
2. ALL SURFACES RECEIVING P/S ELASTOFORM FLASHING MUST BE PRIMED WITH HP-250 OR CARLISLE LOW VOC PRIMER

H4 FOUNDATION TIE-IN DETAIL
SCALE: NOT TO SCALE

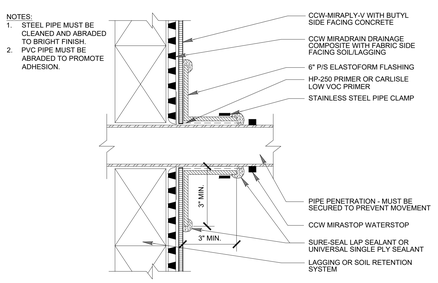


NOTE:
1. ALL SURFACES RECEIVING SECURTAPE MUST BE PRIMED WITH HP-250 OR CARLISLE LOW VOC PRIMER

K12 FOUNDATION TIE-IN DETAIL
SCALE: NOT TO SCALE

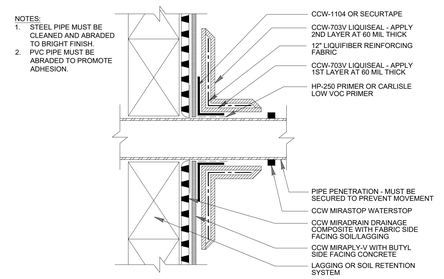


K9 CORNER TIE-IN DETAIL
SCALE: NOT TO SCALE



NOTES:
1. STEEL PIPE MUST BE CLEANED AND ABRADED TO BRIGHT FINISH.
2. PVC PIPE MUST BE ABRADED TO PROMOTE ADHESION.

K6 LAGGING WALL PIPE PENETRATION DETAIL
SCALE: NOT TO SCALE



NOTES:
1. STEEL PIPE MUST BE CLEANED AND ABRADED TO BRIGHT FINISH.
2. PVC PIPE MUST BE ABRADED TO PROMOTE ADHESION.

K4 LIQUID OPTION - LAGGING WALL PIPE PENETRATION DETAIL
SCALE: NOT TO SCALE

FOR REFERENCE ONLY

9	BID DOCUMENTS	09/07/2017
8	ADDENDUM 3	08/02/2017
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5	ISSUED FOR FINAL BID	06/23/2017
4	ISSUED FOR BID	06/16/2017
3	ISSUED FOR 100% CDS/ OWNER REVIEW	06/01/2017
2	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017
1	ISSUED FOR SCHEMATIC DESIGN	02/03/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC
ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS
PARKING CONSULTANT:
WALKER PARKING CONSULTANTS
STRUCTURAL ENGINEERS:
HALVORSON AKIS PARTNERS
MEP/FP ENGINEERS:
AEI Affiliated Engineers
CIVIL ENGINEERS:
Mead & Hunt
LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE

GENERAL WATERPROOFING DETAILS (OPTION C PAGE I)

Author 4/28/2017 2:09:19 PM
Checker
Approver

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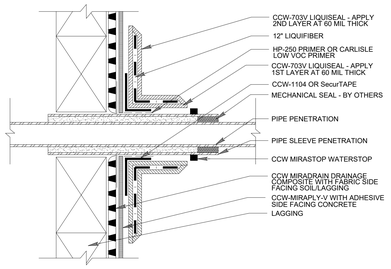

B12 LAGGING WALL PENETRATION DETAIL

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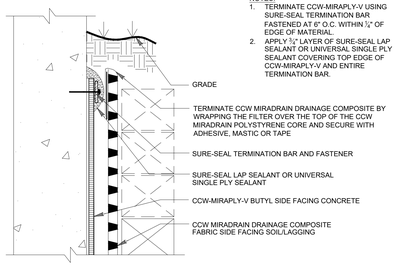
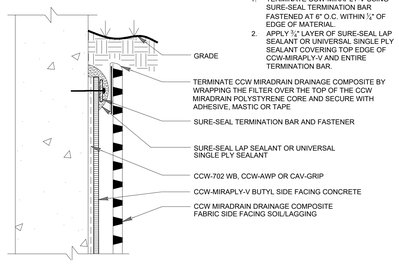


NOTES:
1. TERMINATE CCW-MIRAPLY-V USING SURE-SEAL TERMINATION BAR FASTENED AT 6" O.C. WITHIN ¾" OF EDGE OF MATERIAL.
2. APPLY ¾" LAYER OF SURE-SEAL LAP SEALANT OR UNIVERSAL SINGLE PLY SEALANT COVERING TOP EDGE OF CCW-MIRAPLY-V AND ENTIRE TERMINATION BAR.

B9 MECHANICAL TERMINATION FOR BLINDSIDE DETAIL

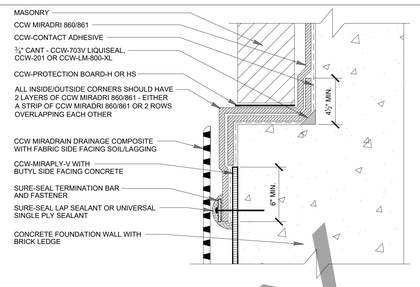
SCALE: NOT TO SCALE



NOTES:
1. TERMINATE CCW-MIRAPLY-V USING SURE-SEAL TERMINATION BAR FASTENED AT 6" O.C. WITHIN ¾" OF EDGE OF MATERIAL.
2. APPLY ¾" LAYER OF SURE-SEAL LAP SEALANT OR UNIVERSAL SINGLE PLY SEALANT COVERING TOP EDGE OF CCW-MIRAPLY-V AND ENTIRE TERMINATION BAR.

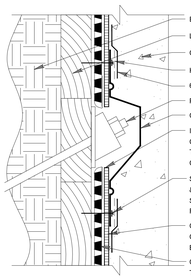
B6 MECHANICAL TERMINATION FOR POSITIVE SIDE

SCALE: NOT TO SCALE



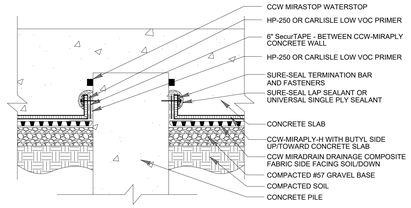
B4 TIE-IN AT BRICK LEDGE BELOW GRADE DETAIL

SCALE: NOT TO SCALE



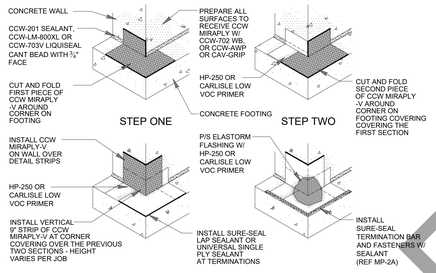
D12 PERMANENT TIE-BACK COVER DETAIL

SCALE: NOT TO SCALE



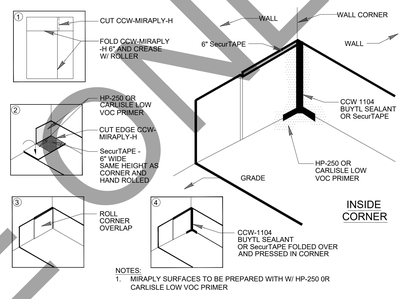
D9 UNDER SLAB TERMINATION DETAIL

SCALE: NOT TO SCALE



D6 POSITIVE SIDE WALL/FOOTING/OUTSIDE CORNER DETAIL

SCALE: NOT TO SCALE



NOTES:
1. MIRAPLY SURFACES TO BE PREPARED WITH W/ HP-250 0R CARLISLE LOW VOC PRIMER

D4 INSIDE CORNER DETAILS

SCALE: NOT TO SCALE

FOR REFERENCE ONLY

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PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

GENERAL WATERPROOFING DETAILS (OPTION C PAGE 2)

Author 4/28/2017 2:09:19 PM

Checker

Approver

215-1051

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2017 Lothan Van Hook Destefano Architecture LLC

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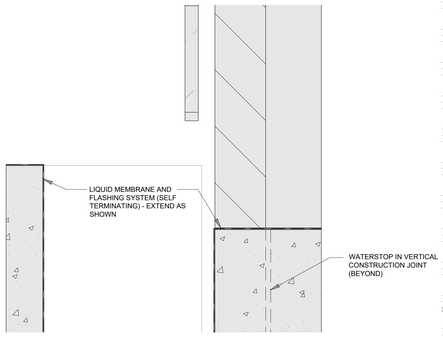
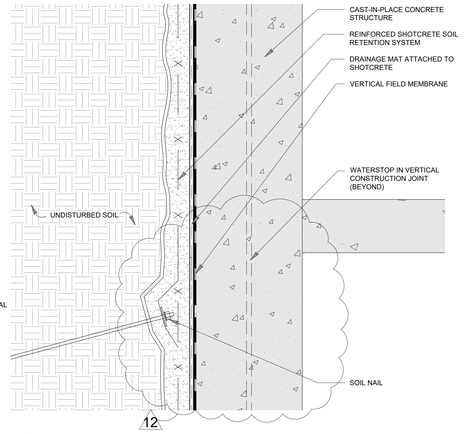


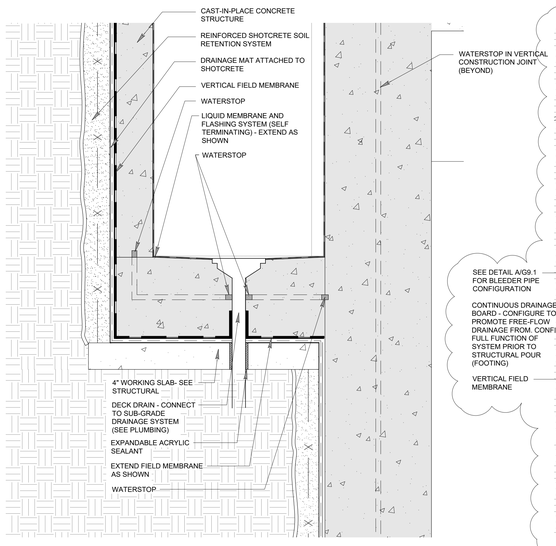
C12 ENLARGED DETAIL A-1
SCALE: 1-1/2" = 1'-0"



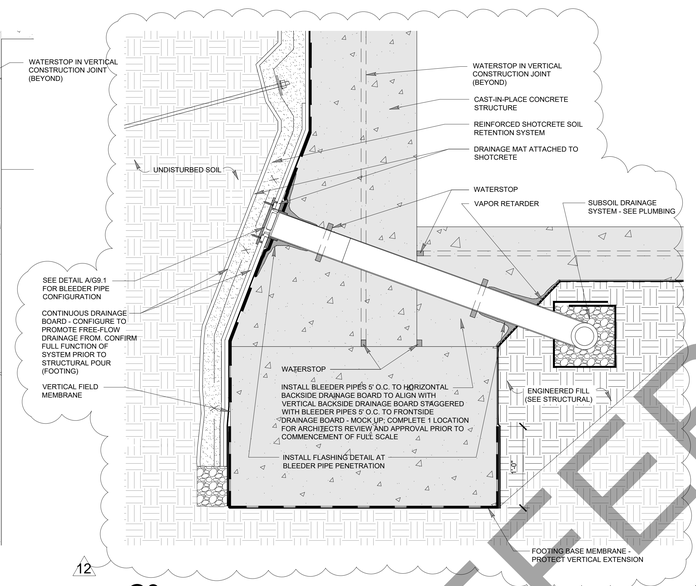
C9 ENLARGED DETAIL A-1
SCALE: 1-1/2" = 1'-0"

KEY:

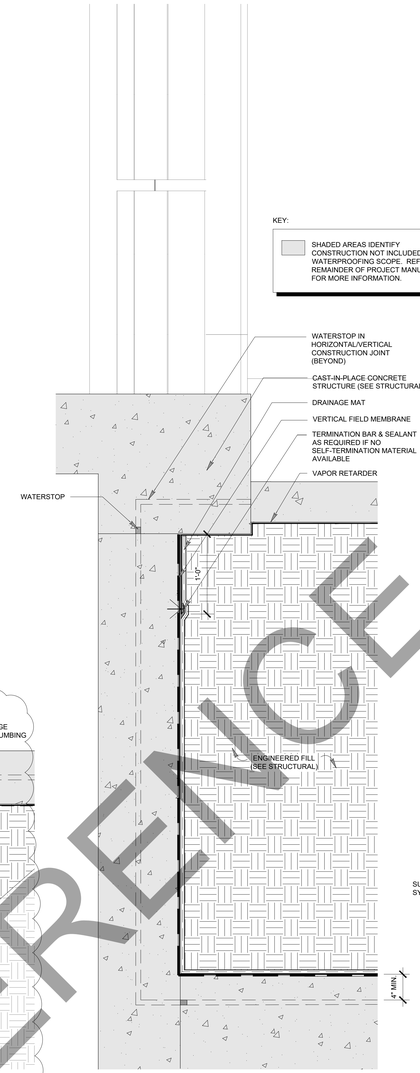
SHADED AREAS IDENTIFY CONSTRUCTION NOT INCLUDED IN WATERPROOFING SCOPE . REFER TO REMAINDER OF PROJECT MANUAL FOR MORE INFORMATION.



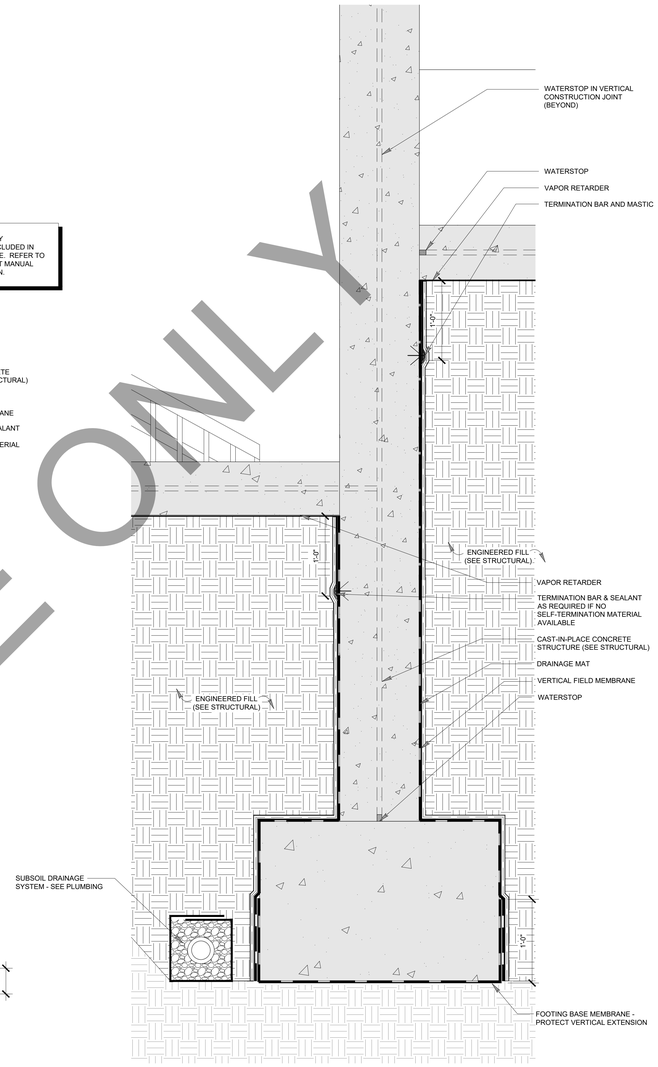
G12 ENLARGED DETAIL A-1
SCALE: 1-1/2" = 1'-0"



G9 ENLARGED DETAIL A-1
SCALE: 1-1/2" = 1'-0"



G6 ENLARGED DETAIL A-2
SCALE: 1-1/2" = 1'-0"



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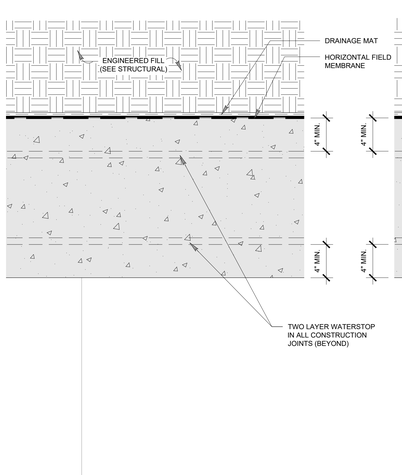
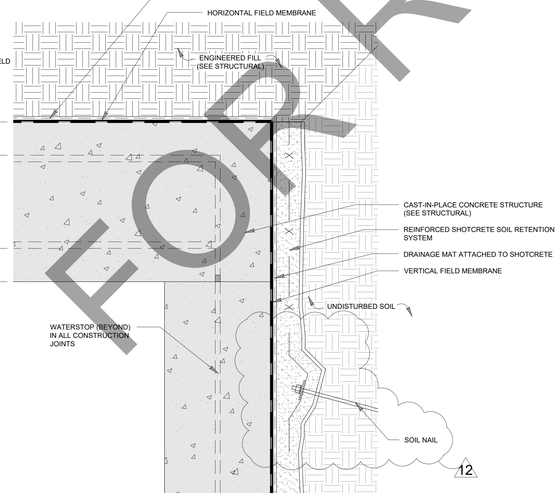
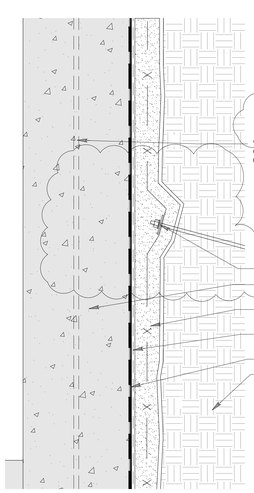


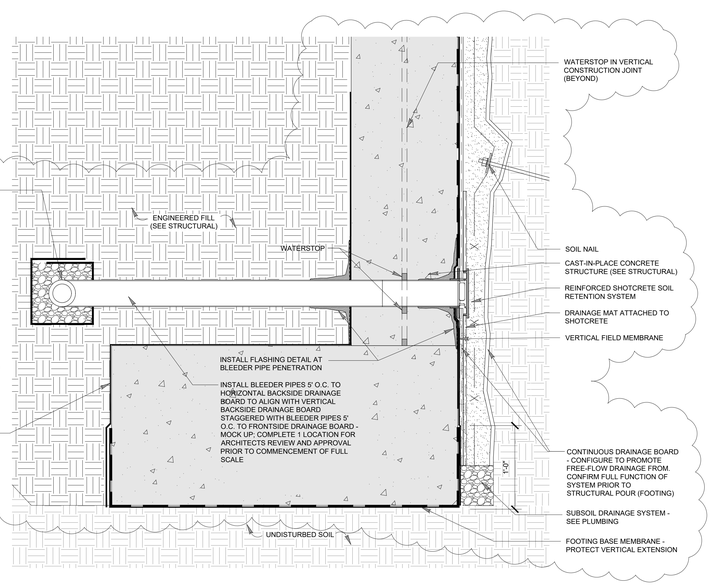
K12 ENLARGED BUILDING SECTION A-3
SCALE: 1-1/2" = 1'-0"



K9 ENLARGED BUILDING SECTION A-3
SCALE: 1-1/2" = 1'-0"



K6 ENLARGED BUILDING SECTION A-3
SCALE: 1-1/2" = 1'-0"



K3 ENLARGED BUILDING SECTION A-3
SCALE: 1-1/2" = 1'-0"

FOR REFERENCE ONLY

12	BULLETIN #3	03/05/2018
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1	ISSUED FOR SCHEMATIC DESIGN	02/03/2017

JUDGE DOYLE SQUARE - BLOCK 88

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CITY OF MADISON, 53703

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lothan van hook destefano ARCHITECTURE LLC

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CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE

ENLARGED BUILDING SECTIONS

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Approver

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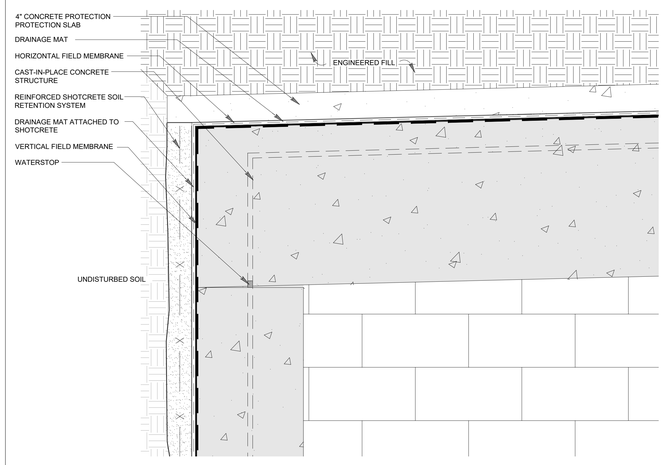
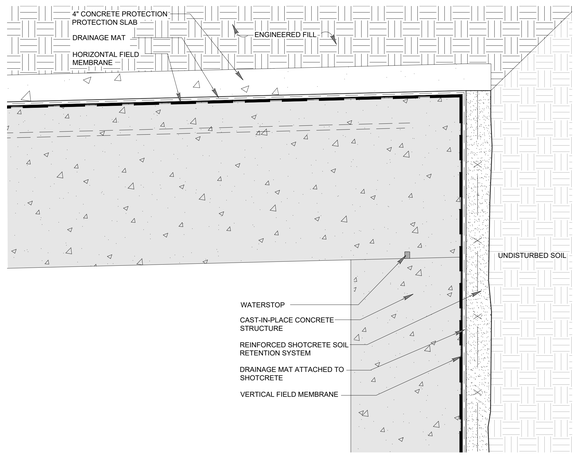
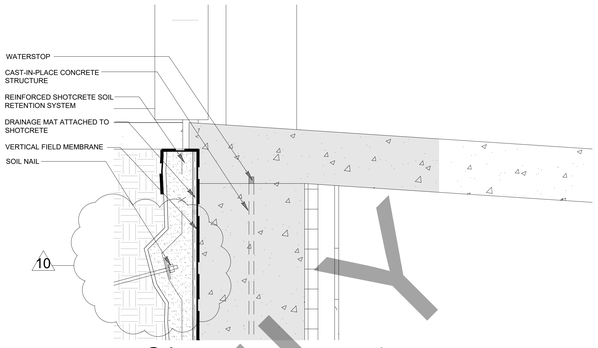


C11 ENLARGED BUILDING SECTION B-1
SCALE: 1-1/2" = 1'-0"



C7 ENLARGED BUILDING SECTION B-2
SCALE: 1-1/2" = 1'-0"



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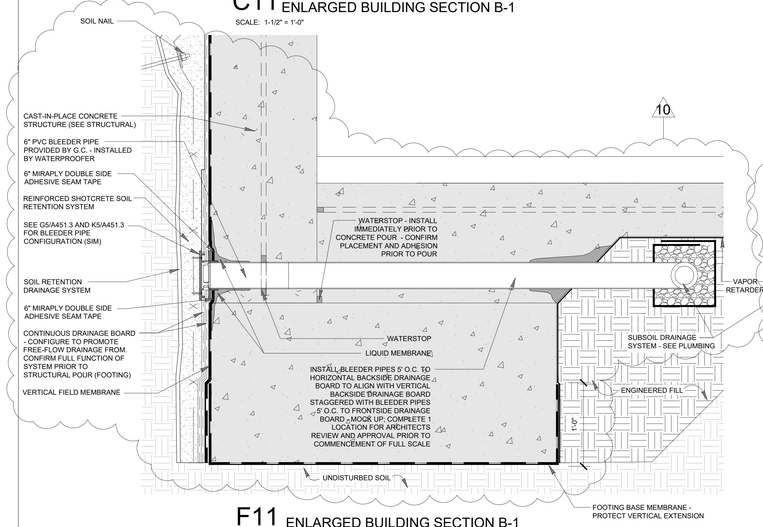
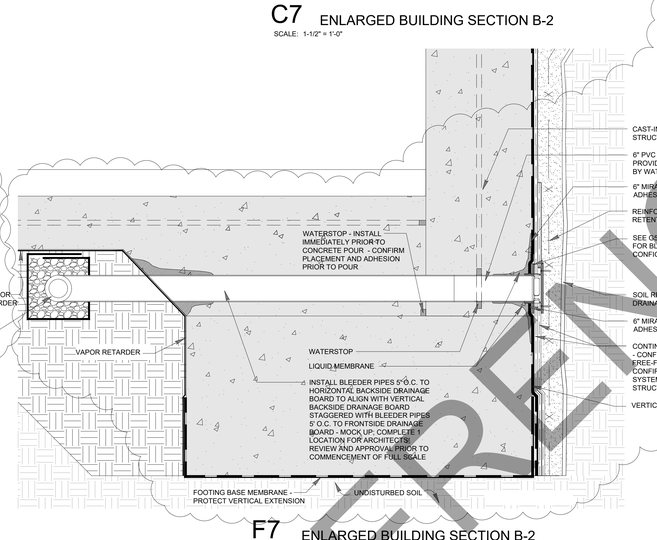
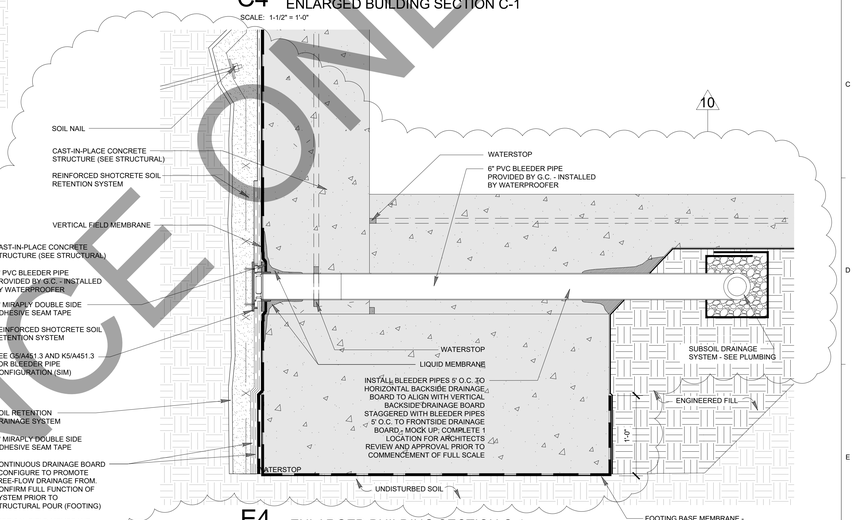
SCALE: 1-1/2" = 1'-0"



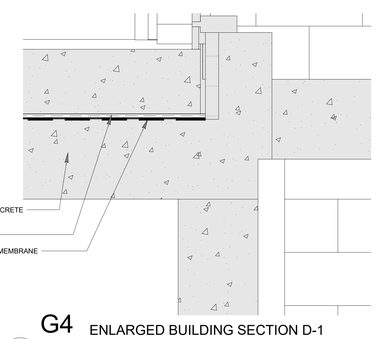
F11 ENLARGED BUILDING SECTION B-1
SCALE: 1-1/2" = 1'-0"



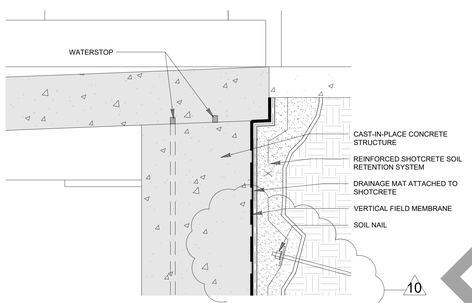
F7 ENLARGED BUILDING SECTION B-2
SCALE: 1-1/2" = 1'-0"



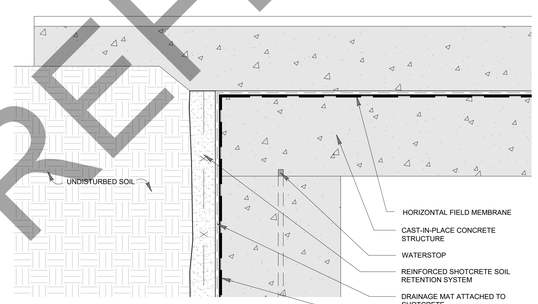
E4 ENLARGED BUILDING SECTION C-1
SCALE: 1-1/2" = 1'-0"



G4 ENLARGED BUILDING SECTION D-1
SCALE: 1-1/2" = 1'-0"



H11 ENLARGED BUILDING SECTION C-2
SCALE: 1-1/2" = 1'-0"



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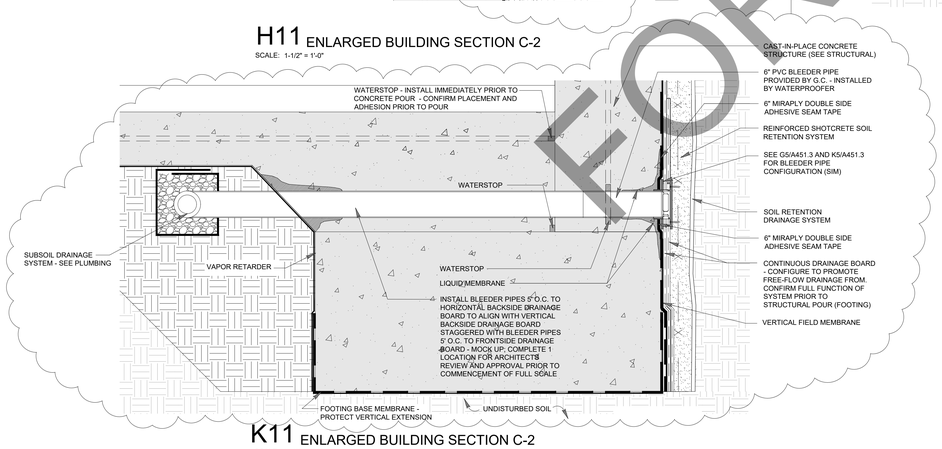
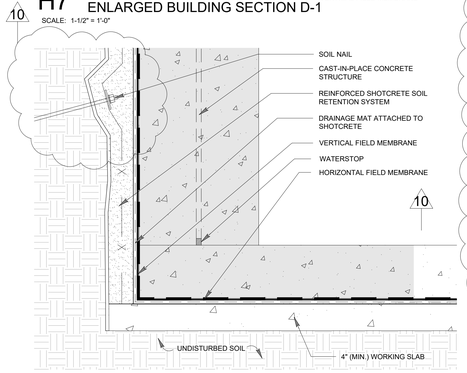


K11 ENLARGED BUILDING SECTION C-2
SCALE: 1-1/2" = 1'-0"



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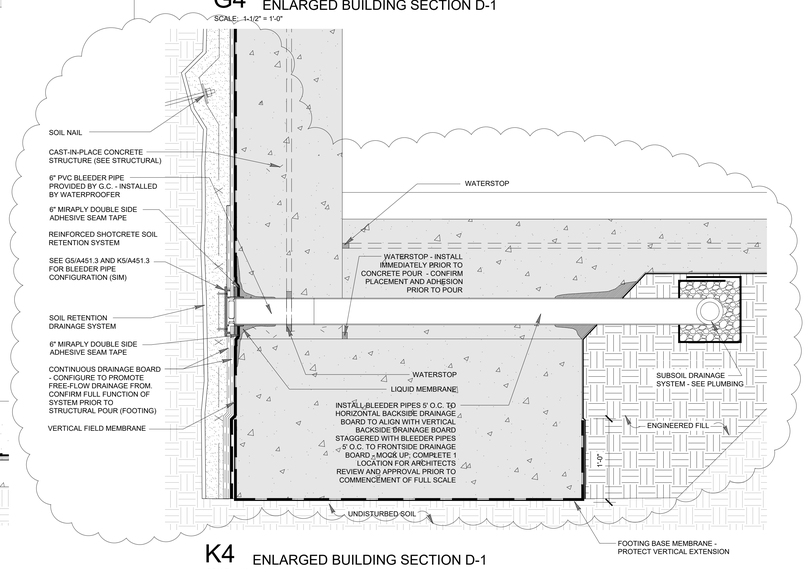

K4 ENLARGED BUILDING SECTION D-1
SCALE: 1-1/2" = 1'-0"

FOR REFERENCE ONLY

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LANDSCAPE ARCHITECTURE
URBAN DESIGN

ENLARGED BUILDING SECTIONS

Author 4/28/2017 2:09:19 PM

Checker

Approver

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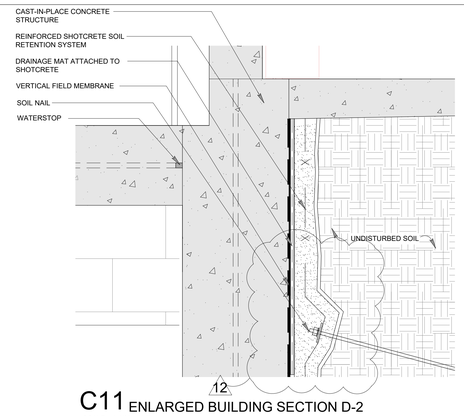
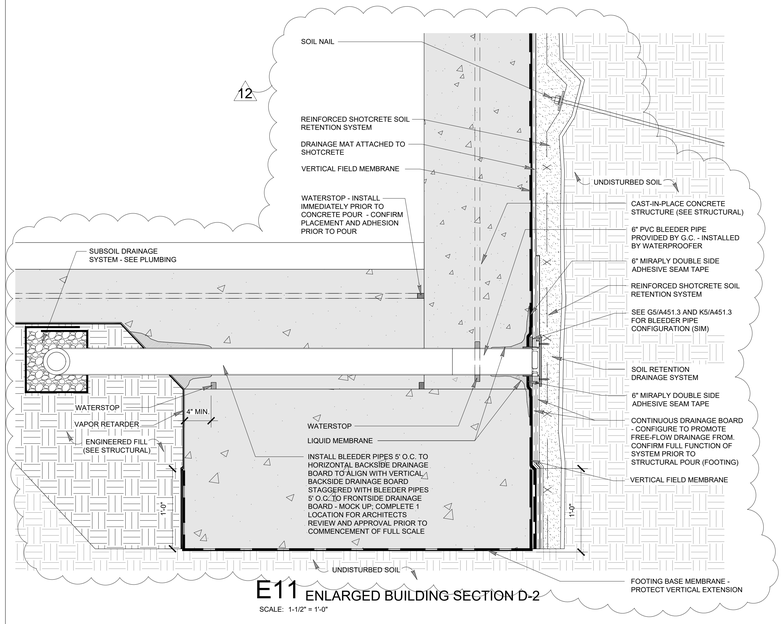
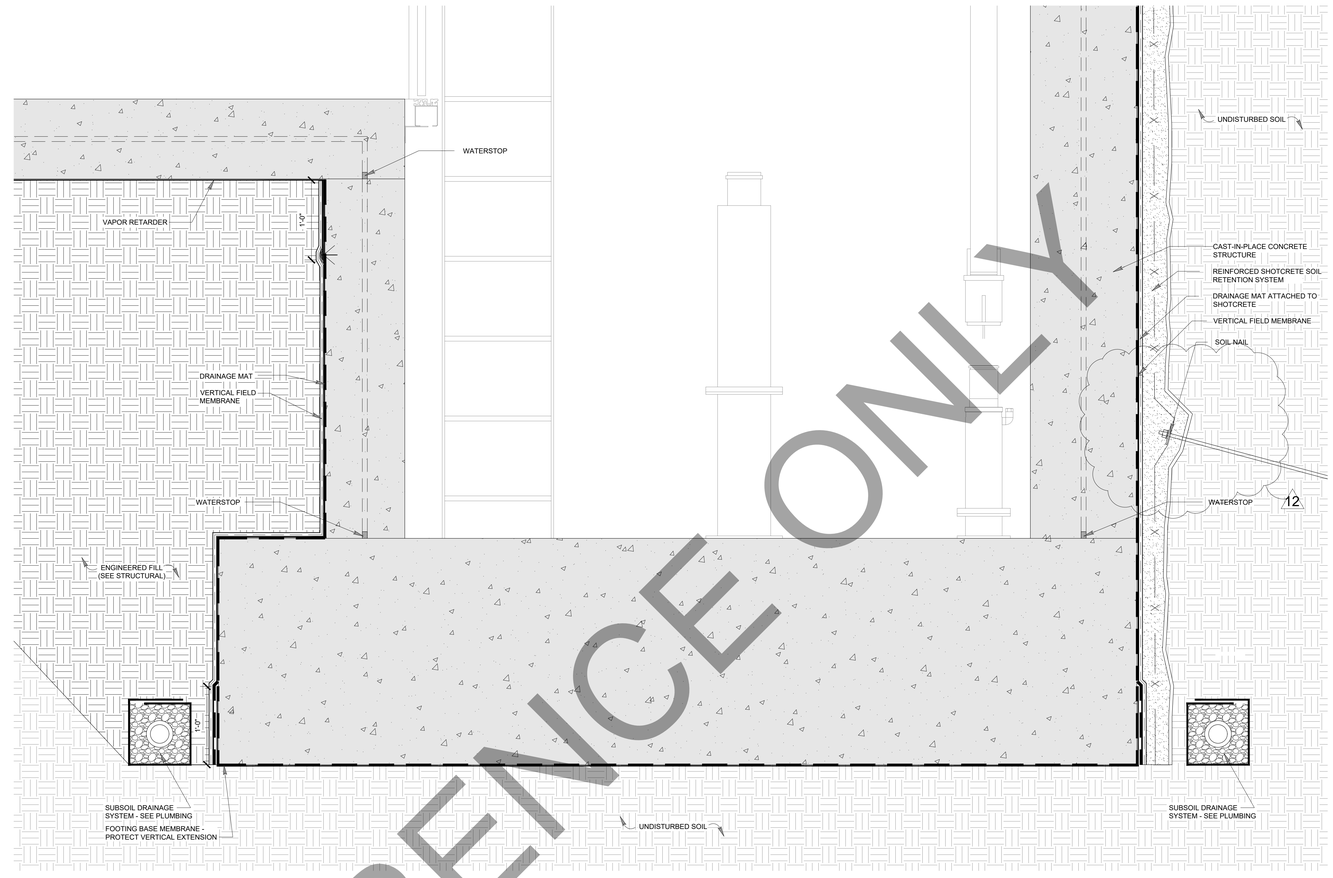


C11 ENLARGED BUILDING SECTION D-2
SCALE: 1-1/2" = 1'-0"



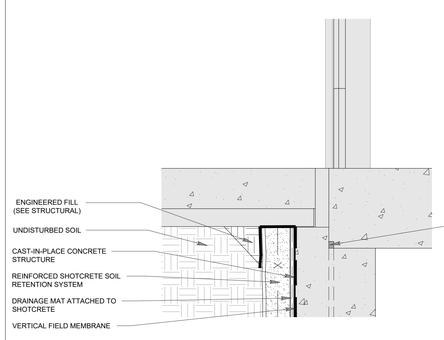
E11 ENLARGED BUILDING SECTION D-2
SCALE: 1-1/2" = 1'-0"



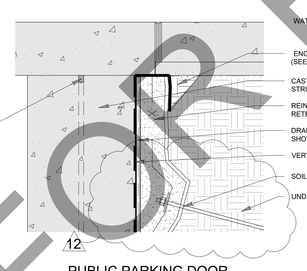
K6 PK-1, PK-2 ENLARGED ELEVATOR SECTION - EAST CORE
SCALE: 1-1/2" = 1'-0"

KEY:

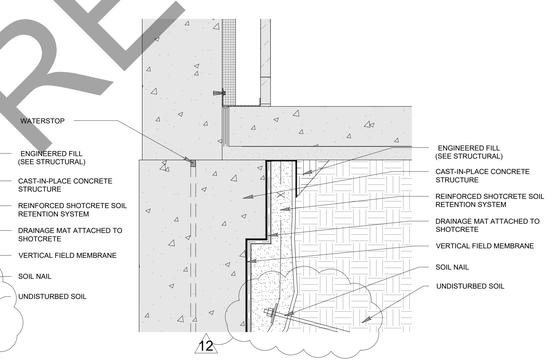
SHADED AREAS IDENTIFY CONSTRUCTION NOT INCLUDED IN WATERPROOFING SCOPE. REFER TO REMAINDER OF PROJECT MANUAL FOR MORE INFORMATION.



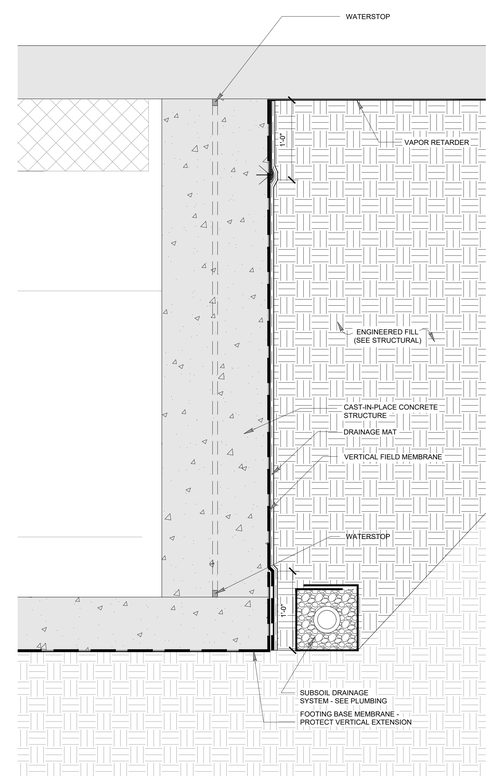
J11 TYP. EXTERIOR WALL SECTION AT PINCKNEY ST. RETAIL ENTRY
SCALE: 1-1/2" = 1'-0"



J9 PUBLIC PARKING DOOR ENLARGED WALL SECTION
SCALE: 3/4" = 1'-0"



J7 ENLARGED WALL SECTION @ COLUMN
SCALE: 1-1/2" = 1'-0"



K4 ENLARGED BUILDING SECTION A-3 (SUMP)
SCALE: 1-1/2" = 1'-0"

FOR REFERENCE ONLY

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LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

ENLARGED BUILDING SECTIONS

Author 4/28/2017 2:09:19 PM

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Approver

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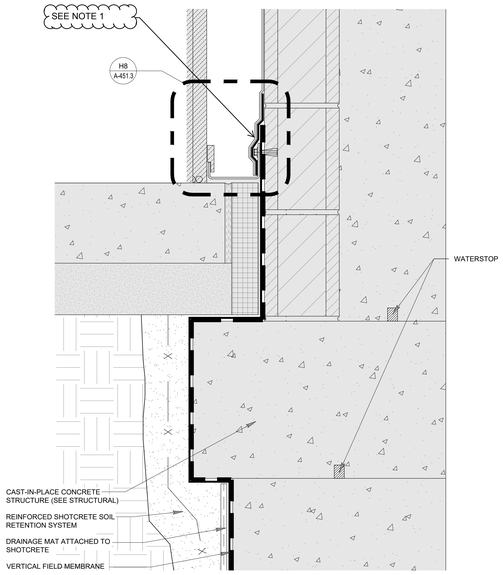
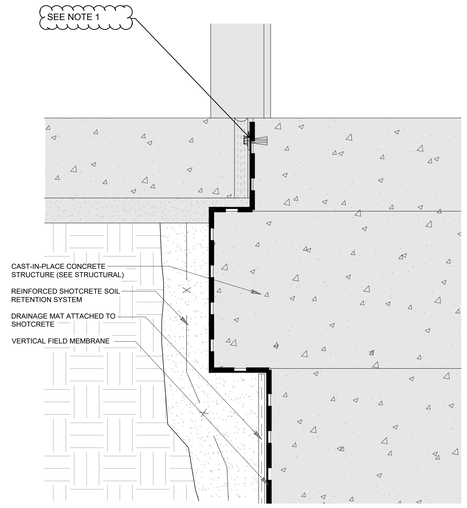


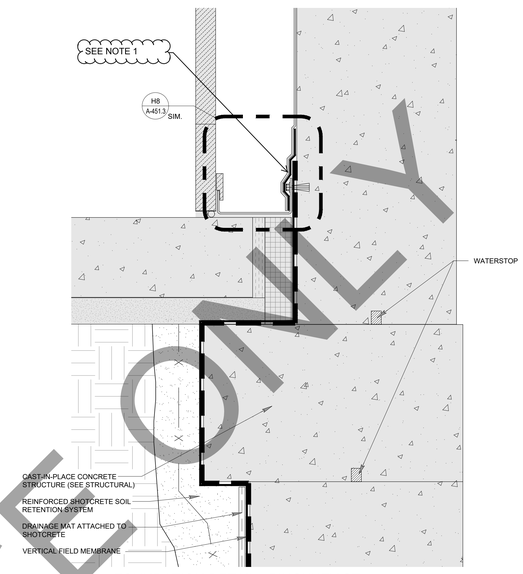
D11 TYP. LIMESTONE DETAIL @ ELEVATOR CORE (WATERPROOFING)

SCALE: 3" = 1'-0"



D8 PUBLIC PARKING GARAGE ENTRY ENLARGED SECTION DETAIL (WATERPROOFING)

SCALE: 3" = 1'-0"

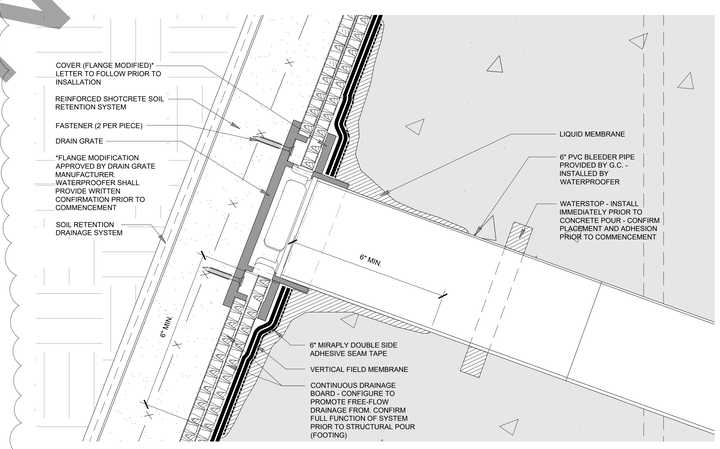


D4 FOUNDATION DETAIL - PINCKNEY ST. EXTERIOR LIMESTONE SECTION DETAIL (WATERPROOFING)

SCALE: 3" = 1'-0"

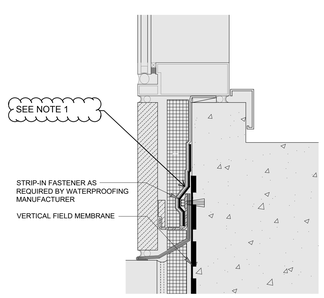
KEY:

SHADED AREAS IDENTIFY CONSTRUCTION NOT INCLUDED IN WATERPROOFING SCOPE. REFER TO REMAINDER OF PROJECT MANUAL FOR MORE INFORMATION.



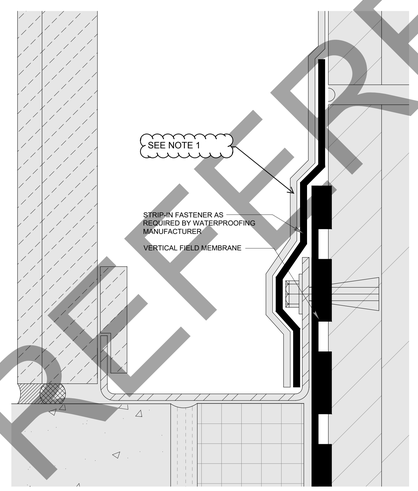
G5 DRAINGRATE DETAIL - ENLARGED

SCALE: 6" = 1'-0"



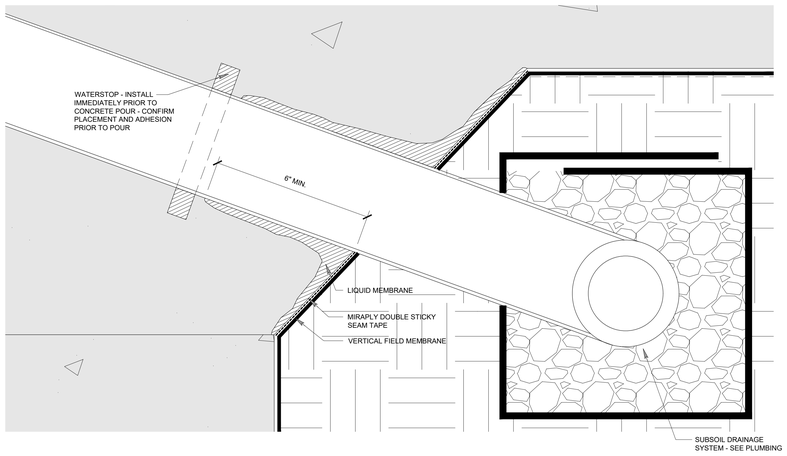
H11 WILSON ST. - EXTERIOR GRANITE SECTION DETAIL (WATERPROOFING)

SCALE: 3" = 1'-0"



H8 AIR AND WATER BARRIER/WATERPROOFING INTERFACE

SCALE: FULL SIZE



12

K5 BLEEDER PIPE DETAIL - ENLARGED

SCALE: 6" = 1'-0"

FOR REFERENCE ONLY

GENERAL NOTES

NOTE 1: Provide temporary waterproofing termination details at final construction limits that meets all manufacturer requirements for the specified warranty and allows for the addition of waterproofing termination details as part of the final construction.

17

17	BULLETIN #7	10/15/2018
12	BULLETIN #3	03/05/2018
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10	BULLETIN #1	11/08/2017
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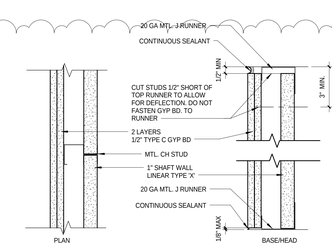
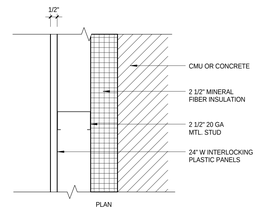


DTD NO	STUD SIZE	STUD SPACING	MAX HT 5 PSF	FIRE RATING/ TEST NO.	INSUL THK/STC RATING/TEST NO.	WALL THK
A	2 1/2"CH 20 GA	24" O.C.	12'-10"	2 HR/UL DES U415	-- / 39 / USG-750302	4 1/2"
B	4" CH 20 GA	24" O.C.	17'-6"	2 HR/UL DES U415	-- / 39 / USG-750302	6"
C	6" CH 20 GA	24" O.C.	21'-9"	2 HR/UL DES U415	-- / 39 / USG-750302	8"

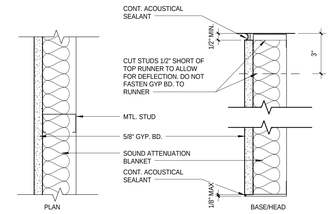
10 SHAFT WALL PARTITION, FINISHED ONE-SIDE

SCALE: 3" = 1'-0"



9 INTERIOR INSULATED DRYWALL PARTITION

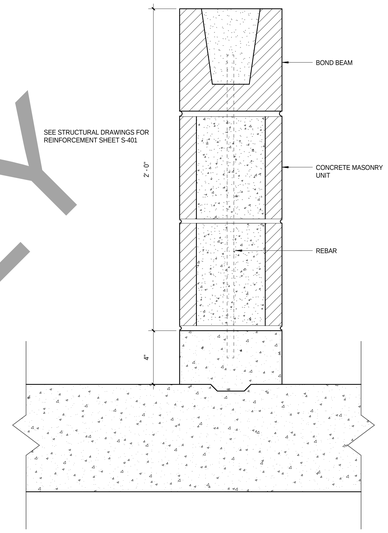
SCALE: 3" = 1'-0"



DTD NO	STUD SIZE	STUD SPACING	MAX HT 5 PSF	FIRE RATING/ TEST NO.	INSUL THK/STC RATING/TEST NO.	WALL THK
A	2 1/2" 20 GA	24" O.C.	11'-6"	--	1 1/2" / EST. 43 / --	3 1/8"
B	3 5/8" 20 GA	24" O.C.	15'-0"	--	1 1/2" / EST. 43 / --	4 1/4"

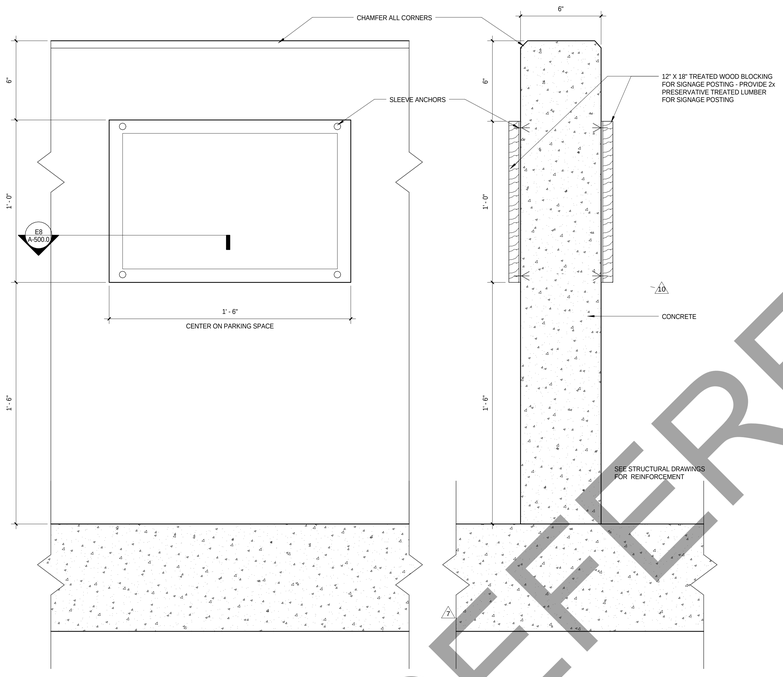
7 ACOUSTICAL FREESTANDING DRYWALL PARTITION

SCALE: 3" = 1'-0"



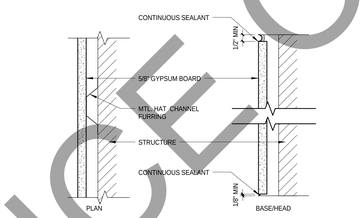
3 CMU INTERIOR VEHICAL BARRIER WALL

SCALE: 3" = 1'-0"



8 CONCRETE INTERIOR PARKING DIVIDER & SIGN DETAIL

SCALE: 3" = 1'-0"

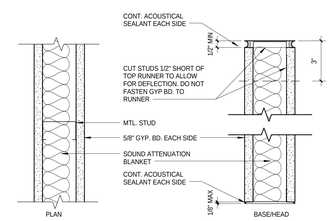


DTD NO	STUD SIZE	STUD SPACING	MAX HT 5 PSF	FIRE RATING/ TEST NO.	INSUL THK/STC RATING/TEST NO.	WALL THK
A	7/8" 25 GA	24" O.C.	--	--	--	1 1/2"
B	1 1/2" 25 GA	24" O.C.	--	--	--	2 1/8"

10

6 DRYWALL FURRING

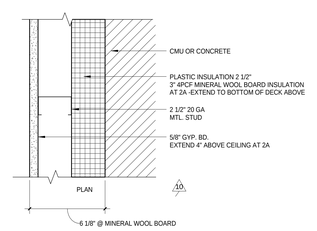
SCALE: 3" = 1'-0"



DTD NO	STUD SIZE	STUD SPACING	MAX HT 5 PSF	FIRE RATING/ TEST NO.	INSUL THK/STC RATING/TEST NO.	WALL THK
A	3 5/8" 25 GA	24" O.C.	13'-6"	--	3" / 45 / --	4 7/8"
B	6" 25 GA	16" O.C.	20'-0"	--	3" / 45 / --	7 1/4"

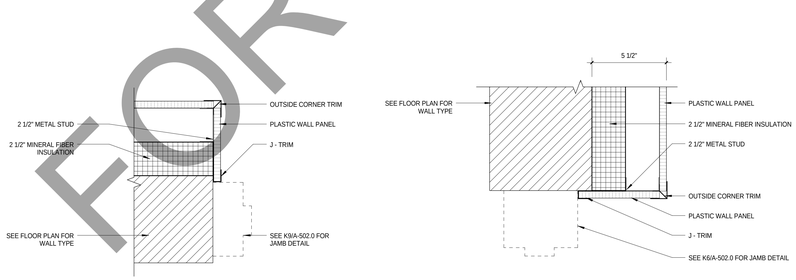
5 BALANCED ACOUSTICAL DRYWALL PARTITION

SCALE: 3" = 1'-0"



2 INTERIOR INSULATED DRYWALL PARTITION

SCALE: 3" = 1'-0"

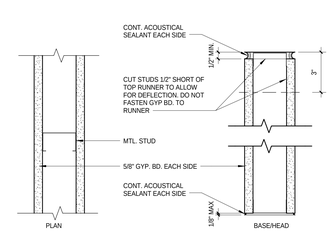


K10 PLASTIC WALL PANEL DETAIL

SCALE: 3" = 1'-0"

K7 PLASTIC WALL PANEL DETAIL

SCALE: 3" = 1'-0"

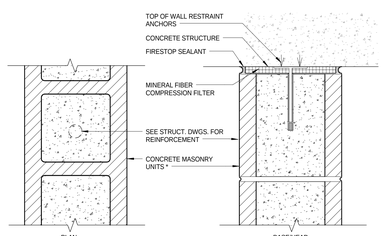


DTD NO	STUD SIZE	STUD SPACING	MAX HT 5 PSF	FIRE RATING/ TEST NO.	INSUL THK/STC RATING/TEST NO.	WALL THK
A	3 5/8" 25 GA	24" O.C.	13'-6"	--	-- / EST. 39 / --	4 7/8"
B	6" 25 GA	24" O.C.	15'-0"	--	-- / EST. 39 / --	7 1/4"

4 BALANCED SINGLE LAYER DRYWALL PARTITION

SCALE: 3" = 1'-0"

D10
D11
7



DTD NO	CMU THICKNESS	MAX HT 5 PSF	MAX HT 10 PSF	FIRE RATING/ TEST NO.		STC NO.
A	5 5/8"	13'-0"	9'-0"	SEE PLAN FOR FIRE RATING		
B	7 5/8"	18'-0"	12'-0"	SEE PLAN FOR FIRE RATING		
C	9 5/8"	18'-0"	12'-0"	SEE PLAN FOR FIRE RATING		
D	3 5/8"	--	--	SEE PLAN FOR FIRE RATING		

* WHERE INDICATED "BB" IS BURNISHED BLOCK

NOTE: PROVIDE CONCRETE CURB AT LEVELS U4 THROUGH U1. CURB SHOULD BE 4" ABOVE HIGH POINT OF SLAB SLOPE, SET AT CONSTANT ELEVATION.

10

1 NON-LOAD BEARING CMU INTERIOR WALL

SCALE: 3" = 1'-0"

FOR REFERENCE ONLY

General Notes

No.	Description	Date
15	BULLETIN #6	08/03/2018
10	BULLETIN #1	11/08/2017
9	BID DOCUMENTS	09/07/2017
7	ADDENDUM #2	07/28/2017
6	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
5	ISSUED FOR FINAL BID	06/23/2017
4	ISSUED FOR BID	06/16/2017
3	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
2	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - PODIUM

JUDGE DOYLE SQUARE

CITY OF MADISON

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE

Drawing Title

PARTITION DETAILS

Drawn	Date
Author	8/3/2018 5:38:29 PM
Checked By	Drawing Number
Checker	
Approved	
Approver	A-500.0
Job Number	
217-1088	

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MATERIAL FINISH LEGEND

Tag	Item	Basis of Design	Description	Color	Location	Flame Spread Rating/Critical Radiant Flux	Spec Section	Remarks
PAINT								
AL-1	Aluminum Finish	PPG	2 Coat Fluoropolymer Finish Aluminum	Pewter			08 44 23	Match PPG - Duranar Sunstorm UC110227F
GLASS TYPES								
GL-1	Clear Tempered Glass	See Specs	Monolithic Tempered Clear Float Glass	Clear	Elevator Vestibules, Entry Vestibules		08 80 00	
GL-2	Laminated Glass	See Specs	Clear Laminated Glass	Clear			08 80 00	Alternate to GL-1 - see specs
GL-3	Insulating Vision Glass	See Specs	Insulating Vision Glass with Low E Coasting	TBD	Typical Vision Glazing		08 80 00; 08 44 23	Match Architect's sample
GL-4	Insulating Spandrel Glass	See Specs	Insulating Spandrel Glass with Low E Coasting	TBD	Typical Spandrel Glazing		08 80 00; 08 44 23	Match GL-3 (Shaded)
GL-5	Insulating Silk Screen	See Specs	Insulating Silk Screen Glass with Low E Coasting	TBD	Typical Silk Screen Glazing		08 80 00; 08 44 23	Match Architect's sample
FRGL-1	Fire-Resistance-Rated Glass	See Specs	Fire-Resistance-Rated Glazing	TBD	Fire-Rated Doors with Glazing		08 88 13	
STONE TYPES								
GR-1	Black Granite	See Specs		Black/Polished	Typical Exterior Granite		04 42 00	Match Architect's sample/submit ranges
LM-1	Limestone	Indiana Limestone	Smooth finish	Standard, buff	Typical Exterior Limestone		04 42 00	Match Architect's sample for color, finish, and other stone characteristics
BB-1	Burnished Block CMU	County Materials Corporation	Premier Ultra 63-218C	Sea Salt	Interior Garage Vestibules		04 22 00	See Plans for Locations
SEALANTS								
Sealant 1	Joint Sealant	See Specs	Nonstaining Silicone Joint Sealant				07 92 00	As selected by Architect from manufacturer's full range
Sealant 2	Joint Sealant	See Specs	Polyurethane, Nonsag Joint Sealant		Limestone		07 92 00	As selected by Architect from manufacturer's full range
Sealant 3	Joint Sealant	See Specs	Immersible, Urethane Joint Sealant		Horizontal Joints; Sidewalk		07 92 00	As selected by Architect from manufacturer's full range
Sealant 4	Joint Sealant	See Specs	Silicone, Mildew Resistant Joint Sealant		Bathroom		07 92 00	As selected by Architect from manufacturer's full range
Sealant 5	Joint Sealant	See Specs	Acrylic Latex, Mildew Resistant Joint Sealant		Drywall		07 92 00	As selected by Architect from manufacturer's full range
Sealant 6	Glazing Sealant	See Specs	Neutral-curing Silicone Glazing Sealant		Glazing		08 80 00	
PAINT								
ST-1	Concrete Stain	See Specs	Elastomeric Acrylic Coating Concrete Stain	White	Parking Garage Walls, Columns & Slab Soffits		09 91 13; 03 30 00	
PT-1	Paint	Sherwin Williams	Satin Finish	Pure White SW 7005	Drywall Walls, CMU		09 91 23	To Match ST-1 at CMU Walls.
PT-2	Paint	Sherwin Williams	Satin Finish	TBD	Hollow Metal Doors & Frames		09 91 23; 08 11 13	To Match Pewter Colored Window Frames, See Door Schedule
PT-3	Paint	Sherwin Williams	Satin Finish	Real Red SW 6868	Accent Walls,Columns & Hollow Metal Doors - Parking Garage Level 4		09 91 23; 08 11 13	See Elevations, Door Schedule for Locations & Patterns.
PT-4	Paint	Sherwin Williams	Satin Finish	Calypso SW 6950	Accent Walls,Columns & Hollow Metal Doors - Parking Garage Level 3		09 91 23; 08 11 13	See Elevations, Door Schedule for Locations & Patterns.
PT-5	Paint	Sherwin Williams	Satin Finish	Humorous Green SW 6918	Accent Walls,Columns & Hollow Metal Doors - Parking Garage Level 2		09 91 23; 08 11 13	See Elevations, Door Schedule for Locations & Patterns.
PT-6	Paint	Sherwin Williams	Satin Finish	Goldfinch SW 6905	Accent Walls,Columns & Hollow Metal Doors - Parking Garage Level 1		09 91 23; 08 11 13	See Elevations, Door Schedule for Locations & Patterns.
PT-7	Paint	Sherwin Williams	Satin Finish	Debonair SW 9139	Office Walls		09 91 23; 08 11 13	See Elevations, Door Schedule for Locations & Patterns.
PT-8	Paint	Sherwin Williams	Glossy Finish	Curry SW 6671	Accent Wall Decals, Level 1		09 91 23; 08 11 13	See A-501.6 for Decal Location & Layouts
PT-9	Paint	Sherwin Williams	Glossy Finish	Offbeat Green SW 6706	Accent Wall Decals, Level 2		09 91 23; 08 11 13	See A-501.6 for Decal Location & Layouts
PT-10	Paint	Sherwin Williams	Glossy Finish	Cruising SW 6782	Accent Wall Decals, Level 3		09 91 23; 08 11 13	See A-501.6 for Decal Location & Layouts
PT-11	Paint	Sherwin Williams	Glossy Finish	Bolero SW 7600	Accent Wall Decals, Level 4		09 91 23; 08 11 13	See A-501.6 for Decal Location & Layouts
WALL COVERINGS								
CT-1	Ceramic Tile	Daltile	Ceramic Tile - 4-1/4" x 4-1/4" Field Tile - Semi Gloss	Pepper White 0147	Office Toilet Room Walls		09 30 13	See Elevations for Locations and Heights - Bullnose ends
WP-1	Wall Protection	See Specs	Prefinished Plastic Panels	White	Workshop, Sweeper Room	Class A	10 26 00	See Partition Type 9
FLOOR COVERINGS								
RF-1	Rubber Flooring	Johnsonite	Microtone Rubber Tile	Best Seller LC7	Elevator Vestibules	Class A	09 65 19	
RF-2	Rubber Flooring	Johnsonite	Microtone Rubber Tile	Riverbed LC5	Garage Office, Work Room & Break Room		09 65 19	
SC-1	Sealed Concrete	See Specs	Clear, Waterborne, Membrane-Forming Curing and Sealing	Clear	Parking Garages, Utility Rooms, Stairs	Class A	03 30 00	
TC-1	Vehicular Traffic Coating	See Specs	Silane Sealer	U4	Parking		07 18 16	REMOVED
FLOOR BASES								
RB-1	Rubber Base	Johnsonite	Rubber Base - 4"	TBA	To Match Rubber Floor RF-1		09 65 13	
RB-2	Rubber Base	Johnsonite	Rubber Base - 4"	TBA	To Match Rubber Floor RF-2		09 65 13	
VB-1	Vinyl Base	Johnsonite	Vinyl Base	White TBA	To Match PT-1.		09 65 13	
CB-1	Ceramic Cove Base	Daltile	Cove Base - 4"	~~White~~ To Match CT-1.	To Match CT-1.		09 30 13	
CEILINGS								
CL-1	Ceiling		Exposed Construction w/ ST-1 on all Concrete Surfaces, PT-1 on all Other Surfaces	ST-1/ PT-1, White				
CL-2	Ceiling		Gypsum Board Soffit - 1/2" Gypsum Board - Ptd.				09 29 00	
ACT-1	Acoustical Ceiling	Armstrong	24" x 24"	White		Class I	09 51 13	
EIFS-1	EIFS				Exterior Soffits @ Pinckeny St.		07 27 15	Select Color from Manufacturer Standards
WORK SURFACES								
PL-1	Plastic Laminate	Wilsonart	Matte	Grey	Custom Desks & Shelving		06 41 16	
PL-2	Plastic Laminate	Wilsonart	Glossy	Grey	Counter Doors & Fronts		06 41 16	
SS-1	Solid Surface	Wilsonart	Smooth	~~Fossil Riverstone~~ Light Beige Mirage	Counter Tops		12 36 61	

Finish Notes

1. All finishes and materials to be submitted for approval prior to fabrication and installation.

ROOM FINSIH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR FINISH	BASE FINISH	WALL FINISH NORTH	WALL FINISH EAST	WALL FINISH SOUTH	WALL FINISH WEST	CEILING FINISH	CEILING HEIGHT
P1_T/ SLAB LEVEL U4									
ST1-U4	STAIR 1	SC-1	---	ST-1	ST-1	ST-1	ST-1	CL-1	
ST2-U4	STAIR 2	SC-1	---	ST-1	ST-1	CMU/ PT-1	ST-1	CL-1	
U400	PUBLIC PARKING GARAGE	SC-1		ST-1/ PT-3	ST-1/ PT-3	ST-1/ PT-3	ST-1/ PT-3	CL-1	
U401	VEST	RF-1	RB-1	BB-1	BB-1	CONC/ PT-3	BB-1	CL-1	
U402	DRY VALVE	SC-1	---	CMU	ST-1	CMU	CMU	CL-1	
U403	VEST	RF-1	RB-1	CMU/ PT-1	CMU/ PT-1	CMU/ PT-1	CMU/ PT-1	CL-1	
U404	DRY VALVE	SC-1	---	CMU	ST-1	CMU	CMU	CL-1	
U405	VEST	RF-1	RB-1	CONC/ PT-3	BB-1	BB-1	BB-1	CL-1	
U406	ELEV CONTROL ROOM	SC-1	---	ST-1	CMU	CMU	ST-1	CL-1	
U407	ELEV CONTROL ROOM	SC-1	---	CMU	CMU	ST-1	ST-1	CL-1	
P1_T/ SLAB LEVEL U3									
ST1-U3	STAIR 1	SC-1	---	ST-1	ST-1	ST-1	ST-1	CL-1	
ST2-U3	STAIR 2	SC-1	---	ST-1	ST-1	CMU/ PT-1	CMU	CL-1	
U300	PUBLIC PARKING GARAGE	SC-1	---	ST-1/ PT-4	ST-1/ PT-4	ST-1/ PT-4	ST-1/ PT-4	CL-1	
U301	VEST	RF-1	RB-1	BB-1	BB-1	CONC/ PT-1	BB-1	CL-1	
U302	DRY VALVE	SC-1	---	CMU	ST-1	CMU	CMU	CL-1	
U303	VEST	RF-1	RB-1	CMU/ PT-1	CMU/ PT-1	CMU/ PT-1	CMU/ PT-1	CL-1	
U304	DRY VALVE	SC-1	---	CMU	ST-1	CMU	CMU	CL-1	
U305	VEST	RF-1	RB-1	CONC/ PT-4	BB-1	BB-1	BB-1	CL-1	
U306	ELEC	SC-1	---	CMU	CMU/ ST-1	CMU	CMU	CL-1	
P1_T/ SLAB LEVEL U2									
ST1-U2	STAIR 1	SC-1	---	ST-1	ST-1	ST-1	ST-1	CL-1	
ST2-U2	STAIR 2	SC-1	---	ST-1	ST-1	CMU/ PT-1	ST-1	CL-1	
U200	PUBLIC PARKING GARAGE	SC-1	---	ST-1/ PT-5	ST-1/ PT-5	ST-1/ PT-5	ST-1/ PT-5	CL-1	
U201	VEST	RF-1	RB-1	BB-1	BB-1	CONC/ PT-5	BB-1	CL-1	
U202	DRY VALVE	SC-1	---	CMU	ST-1	CMU	CMU	CL-1	
U203	VEST	RF-1	RB-1	CMU/ PT-1	CMU/ PT-1	CMU/ PT-1	CMU/ PT-1	CL-1	
U204	DRY VALVE	SC-1	---	CMU	ST-1	CMU	CMU	CL-1	
U205	VEST	RF-1	RB-1	CONC/ PT-5	BB-1	BB-1	BB-1	CL-1	
U206	WORKSHOP	RF-2	RB-2	WP-1	WP-1	WP-1	WP-1	CL-1	
U208	TOOLS	SC-1	---	CMU	CMU	CMU	CMU	CL-1	
U210	SWEEPER	SC-1	---	WP-1	CMU/WP-1	WP-1	WP-1	CL-1	
U211	TOILET	SC-1	---	CMU/ PT-1	GYP/ WP-1	CMU/ PT-1	CMU/ PT-1	CL-1	
P1_T/ SLAB LEVEL U1									
ST1-U1	STAIR 1	SC-1	---	ST-1	ST-1	ST-1	ST-1	CL-1	
ST2-U1	STAIR 2	SC-1	---	ST-1	ST-1	CMU/ PT-1	ST-1	CL-1	
U100	PUBLIC PARKING GARAGE	SC-1	---	ST-1/ PT-6	ST-1/ PT-6	ST-1/ PT-6	ST-1/ PT-6	CL-1	
U101	VEST	RF-1	RB-1	BB-1	BB-1	CONC/ PT-6	BB-1	CL-1	
U102	DRY VALVE	SC-1	---	CMU	ST-1	CMU	CMU	CL-1	
U103	VEST	RF-1	RB-1	CMU/ PT-1	CMU/ PT-1	CMU/ PT-1	CMU/ PT-1	CL-1	
U104	DRY VALVE	SC-1	---	CMU	ST-1	CMU	CMU	CL-1	
U105	VEST	RF-1	RB-1	CONC/ PT-6	BB-1	BB-1	BB-1	CL-1	
U106	ELEC	SC-1	---	CMU	CMU/ ST-1	CMU	CMU	CL-1	
P1_T/ SLAB LEVEL U0									
ST1-U0	STAIR 1	SC-1	---	ST-1	ST-1	ST-1	ST-1	CL-1	
ST2-U0	STAIR 2	SC-1	---	ST-1	ST-1	CMU/ PT-1	ST-1	CL-1	
U000	PUBLIC PARKING GARAGE	SC-1	---	ST-1/ PT-	ST-1/ PT-	ST-1/ PT-	ST-1/ PT-	CL-1	
U001	NETPOP	SC-1		CMU	ST-1	CMU	CMU	CL-1	
U001-1	NETPOP	SC-1		CMU	ST-1	CMU	CMU	CL-1	
U002	PUMP ROOM	SC-1		CMU	ST-1	CMU	CMU	CL-1	
U003	VEST	RF-1	RB-1	CMU/ PT-1	CMU/ PT-1	CMU/ PT-1	CMU/ PT-1	CL-1	
U004	DRY VALVE	SC-1		CMU	CMU	CMU	CMU	CL-1	
U005	VEST	RF-1	RB-1	CONC/ PT-	BB-1	BB-1	BB-1	CL-1	
U006	MAIN ELEC	SC-1		CMU	CMU	CMU	CMU	CL-1	
U006-1	MAIN ELEC	SC-1		CMU	CMU	CMU	CMU	CL-1	
U007	CORRIDOR	SC-1		CMU/ PT-1	CMU/ PT-1	CMU/ PT-1	ST-1	CL-1	
U008	STORAGE	SC-1		ST-1	CMU	ST-1	ST-1	CL-1	
U009	ELECTRIC VAULT	SC-1		CMU	ST-1	CMU	CMU	CL-1	
U010	CORRIDOR	SC-1		-	CMU/ PT-1	ST-1	CMU/ PT-1	CL-1	
U011	WATER SERVICE/ FIRE PUMP ROOM	SC-1		GYP/ PT-1	GYP/ PT-1	GYP/ PT-1	GYP/ PT-1	CL-1	
U012	CORRIDOR	SC-1		CMU/ PT-1	CMU/ PT-1	CMU/ PT-1	CMU/ PT-1	CL-1	
P1_T/ SLAB LEVEL 1 @ WILSON									
	PARKING RAMP/ENTRY	SC-1	---						
0101	VEST	RF-1	RB-1	BB-1	BB-1	CONC/ PT-1	BB-1	ACT-1	
0102	DRY VALVE	SC-1	VB-1	CMU	GYP/ PT-1	BB-1	GYP/ PT-1	CL-1	
0103	GARAGE OFFICE	RF-2	RB-2	GYP/ PT-7	GYP/ PT-7	GYP/ PT-7	GYP/ PT-7	ACT-1	
0103-A	JANITOR CLOSET	SC-1	VB-1	GYP/ PT-1	GYP/ PT-1	GYP/ PT-1	GYP/ PT-1	CL-1	
0103-B	LOCKERS	RF-2	RB-2	GYP/ PT-7	GYP/ PT-7	GYP/ PT-7	GYP/ PT-7	CL-2/ PT-1	
0103-C	UNISEX TOILET	RF-2	CB-1	CT-1/ GYP/ PT-7	CT-1/ GYP/ PT-7	CT-1/ GYP/ PT-7	CT-1/ GYP/ PT-7	CL-2/ PT-1	
0103-D	BREAK ROOM	RF-2	RB-2	GYP/ PT-7	GYP/ PT-7	GYP/ PT-7	GYP/ PT-7	ACT-1	
0104	EXIT CORRIDOR	SC-1		BB-1	CMU/ PT-1	CMU/ PT-1	CMU/ PT-1	CL-1	
0105	GENERATOR ROOM	SC-1		CMU	CMU	CMU	CMU	CL-1	
0105-A	EMERGENCY ELECTRIC ROOM	SC-1		CMU	CMU/ PT-1	CMU/ PT-1	CMU/ PT-1	CL-1	
P1_T/ SLAB LEVEL 2 @ DOTY									
	PARKING RAMP/ENTRY	SC-1	---						
0200	BICYCLE CENTER	SC-1	VB-1	GYP/ PT-1	STOREFRONT	GYP/ PT-1	GYP/ PT-1	CL-1	
0202	EXIT CORRIDOR	SC-1		BB-1	CMU/ PT-1	CMU/ PT-1	CMU/ PT-1	CL-1	
0204	BICYCLE PARKING	SC-1		BB-1	CMU/ PT-1	ST-1	CMU/ PT-1	CL-1	
0205	VEST	RF-1	RB-1	ST-1	BB-1	BB-1	BB-1	ACT-1	
ST2-02	STAIR 2	SC-1		ST-1	ST-1	CMU/ PT-1	ST-1	CL-1	

FOR REFERENCE ONLY

General Notes

WISCONSIN JAMES R. DESTEFANO 3614-5 MADISON, WI LICENSED ARCHITECT

No.	Description	Date
12	BULLETIN #3	03/05/2018
10	BULLETIN #1	11/08/2017
9	BID DOCUMENTS	09/07/2017
7	ADDENDUM #2	07/28/2017
6	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
5	ISSUED FOR FINAL BID	06/23/2017
4	ISSUED FOR BID	06/16/2017
3	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE

Drawing Title

ROOM FINISH SCHEDULE AND MATERIAL LEGEND

Drawn	Date
Author	3/5/2018 2:31:10 PM
Checked By	**Drawing Number**
Checker	A-501.0
Approved	
Approver	
Job Number	
216-1066	

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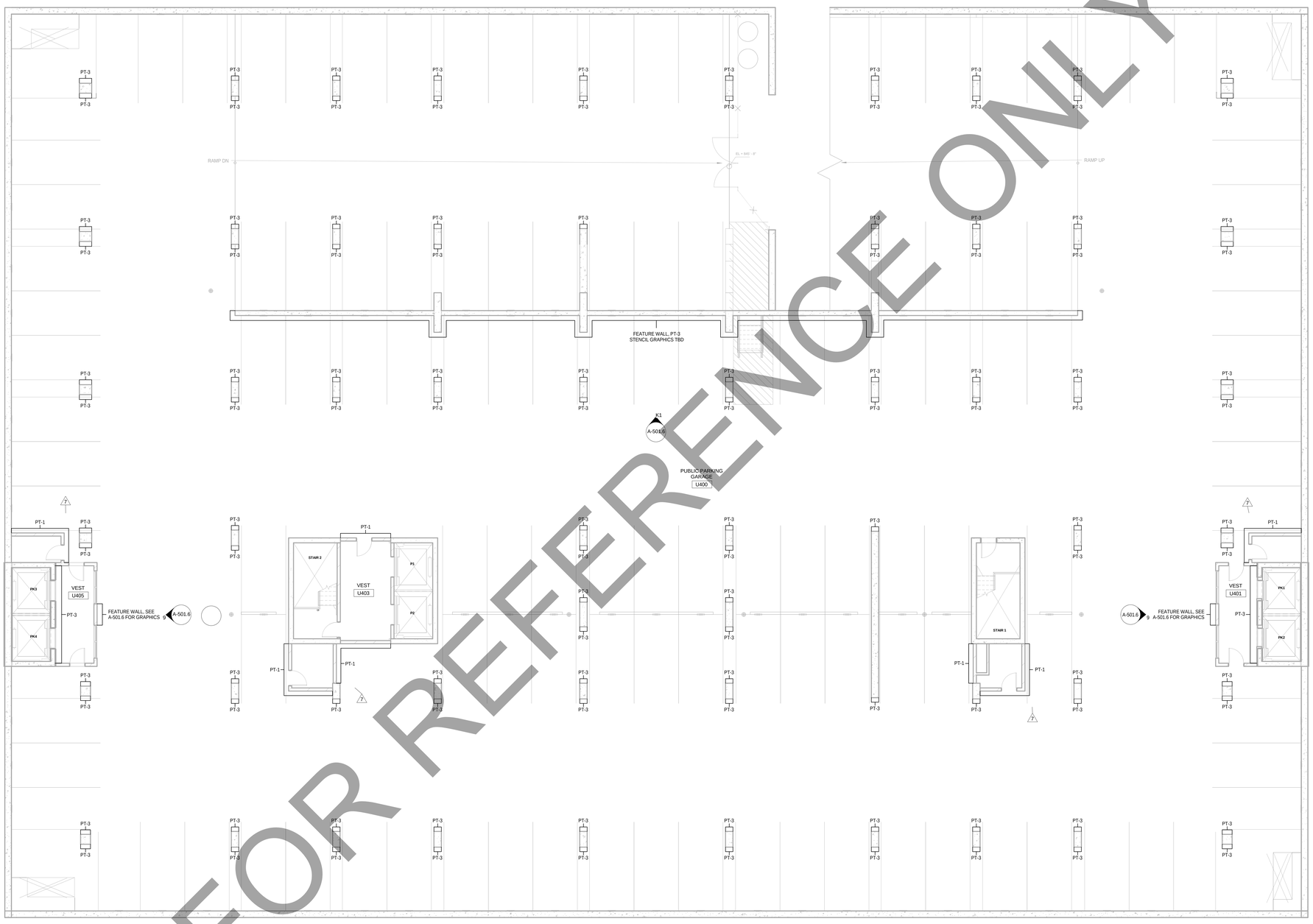

FOR REFERENCE ONLY

K1 LEVEL U4 - FINISH PLANS

SCALE: 1/8" = 1'-0"

TRUE NORTH

PROJECT NORTH

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9/5/2017 11:23:24 AM

General Notes

NOTE 1: ALL CONCRETE WALLS, COLUMNS, CEILINGS, AND SOFFITS TO BE ST-1 UNLESS OTHERWISE NOTED

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JAMES R. DESTEFANO
3614-5
MADISON
WI
ARCHITECT

No.	Description	Date
9	BID DOCUMENTS	09/07/2017
7	ADDENDUM #2	07/28/2017
6	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
5	ISSUED FOR FINAL BID	06/23/2017
4	ISSUED FOR BID	06/16/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano
ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS
MADISON | CHICAGO | ST. LOUIS

PARKING CONSULTANT:
WALKER
PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS
A WSP / PARSONS BRINCKERHOFF COMPANY

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

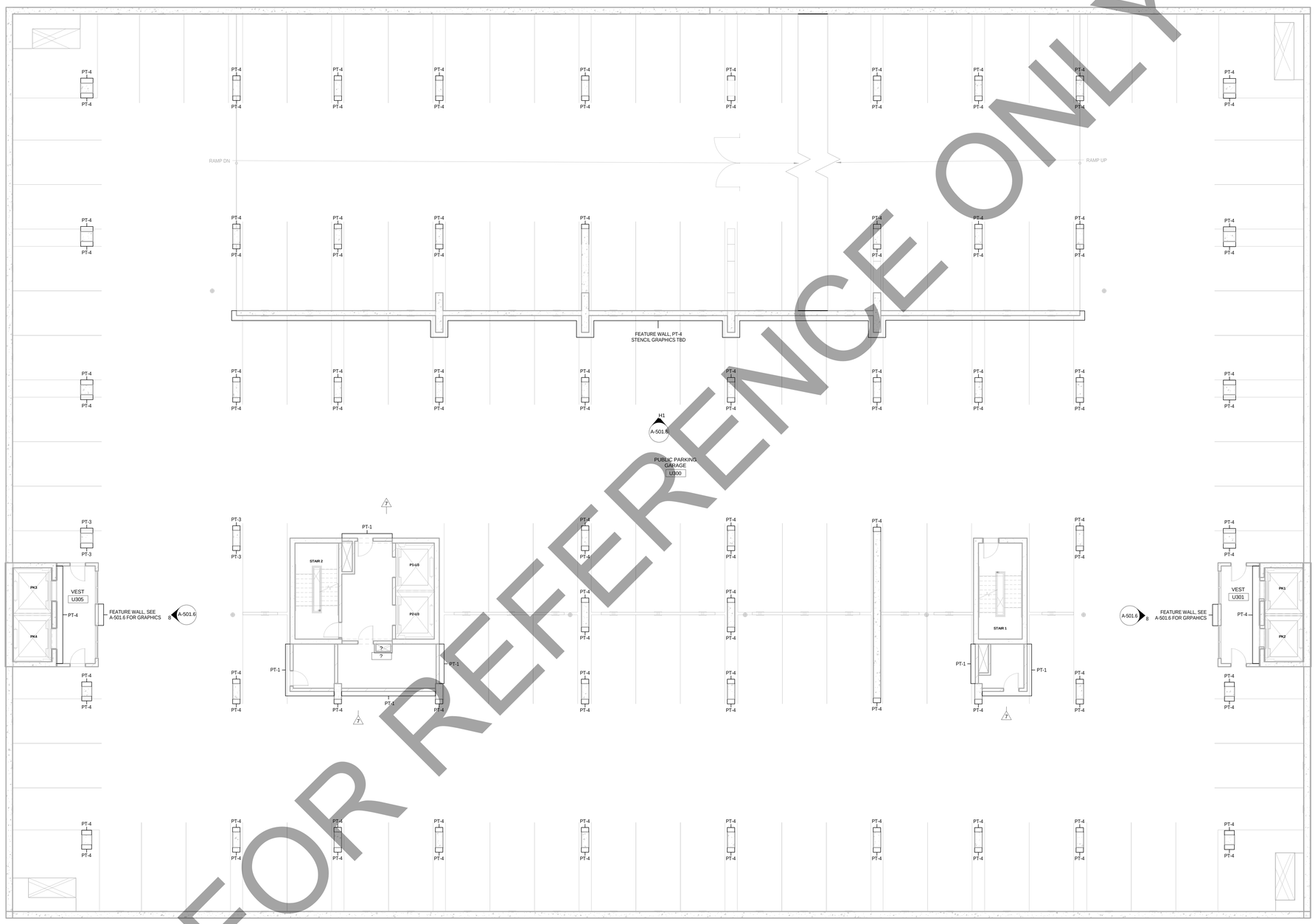
LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

FINISH FLOOR PLAN - LEVEL U4

Drawn	Date
Author	9/5/2017 11:23:24 AM
Checked By	**Drawing Number**
Checker	
Approved	
Approver	
Job Number	
215-1051	

A-501.1



FOR REFERENCE ONLY

K1 LEVEL U3 - FINISH PLANS

SCALE: 1/8" = 1'-0"

TRUE NORTH

PROJECT NORTH

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General Notes

NOTE 1: ALL CONCRETE WALLS, COLUMNS, CEILINGS, AND SOFFITS TO BE ST-1 UNLESS OTHERWISE NOTED

7

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3614-5
MADISON
WI
ARCHITECT

No.	Description	Date
9	BID DOCUMENTS	09/07/2017
7	ADDENDUM #2	07/28/2017
6	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
5	ISSUED FOR FINAL BID	06/23/2017
4	ISSUED FOR BID	06/16/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano
ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS
MADISON | CHICAGO | ST. LOUIS

PARKING CONSULTANT:
WALKER
PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS
A WSP / PARSONS BRINCKERHOFF COMPANY

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

FINISH FLOOR PLAN - LEVEL U3

Drawn	Date
Author	9/5/2017 11:23:25 AM
Checked By	**Drawing Number**
Checker	
Approved	
Approver	
Job Number	
215-1051	

A-501.2

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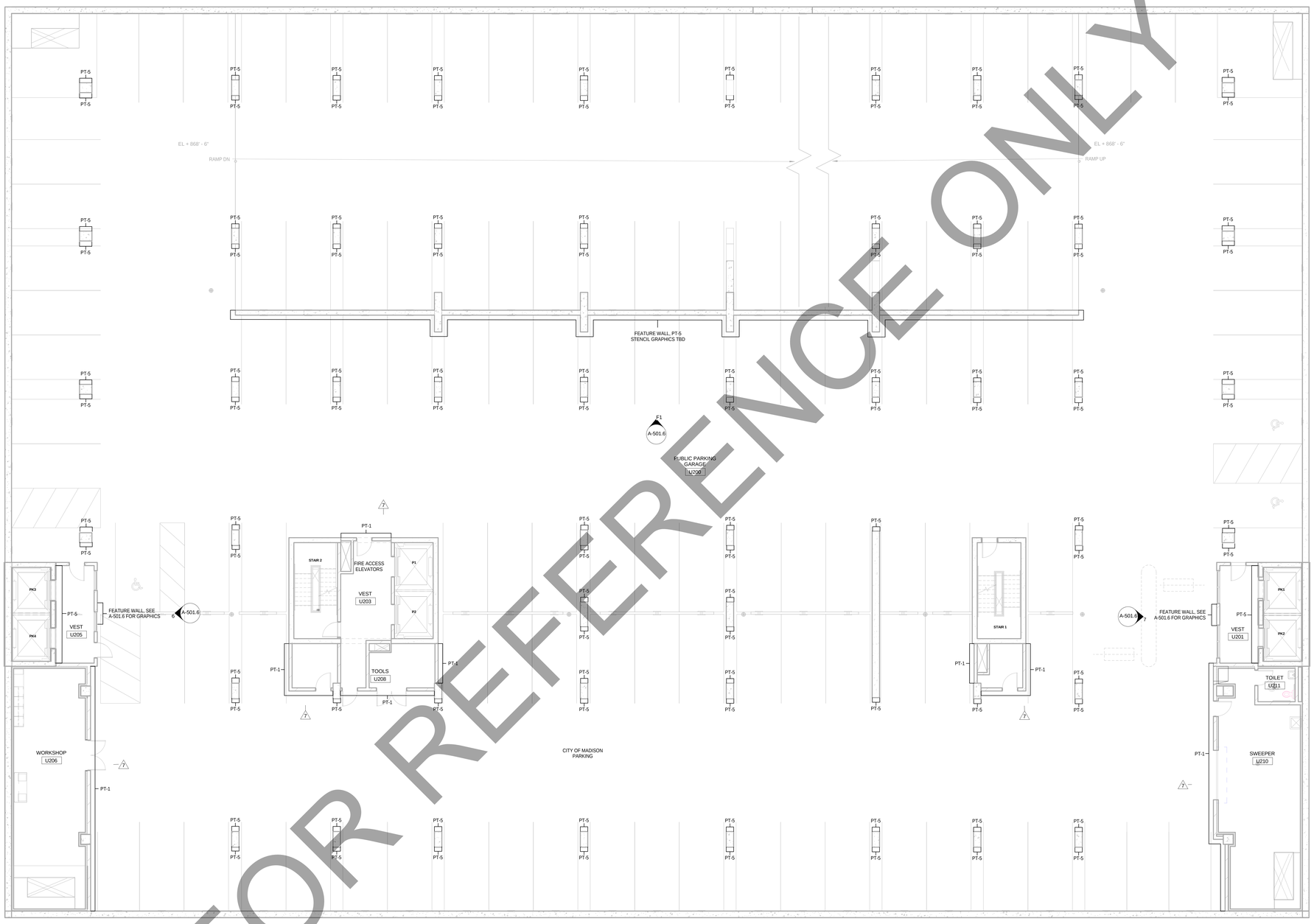

FOR REFERENCE ONLY

K1 LEVEL U2 - FINISH PLANS

SCALE: 1/8" = 1'-0"

TRUE NORTH
PROJECT NORTH

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General Notes

NOTE 1: ALL CONCRETE WALLS, COLUMNS, CEILINGS, AND SOFFITS TO BE ST-1 UNLESS OTHERWISE NOTED

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MADISON
WI
ARCHITECT

No.	Description	Date
9	BID DOCUMENTS	09/07/2017
7	ADDENDUM #2	07/28/2017
6	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
5	ISSUED FOR FINAL BID	06/23/2017
4	ISSUED FOR BID	06/16/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano
ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS
MADISON | CHICAGO | ST. LOUIS

PARKING CONSULTANT:
WALKER
PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS
A WSP / PARSONS BRINCKERHOFF COMPANY

MEP/FP ENGINEERS:
AEI Affiliated Engineers

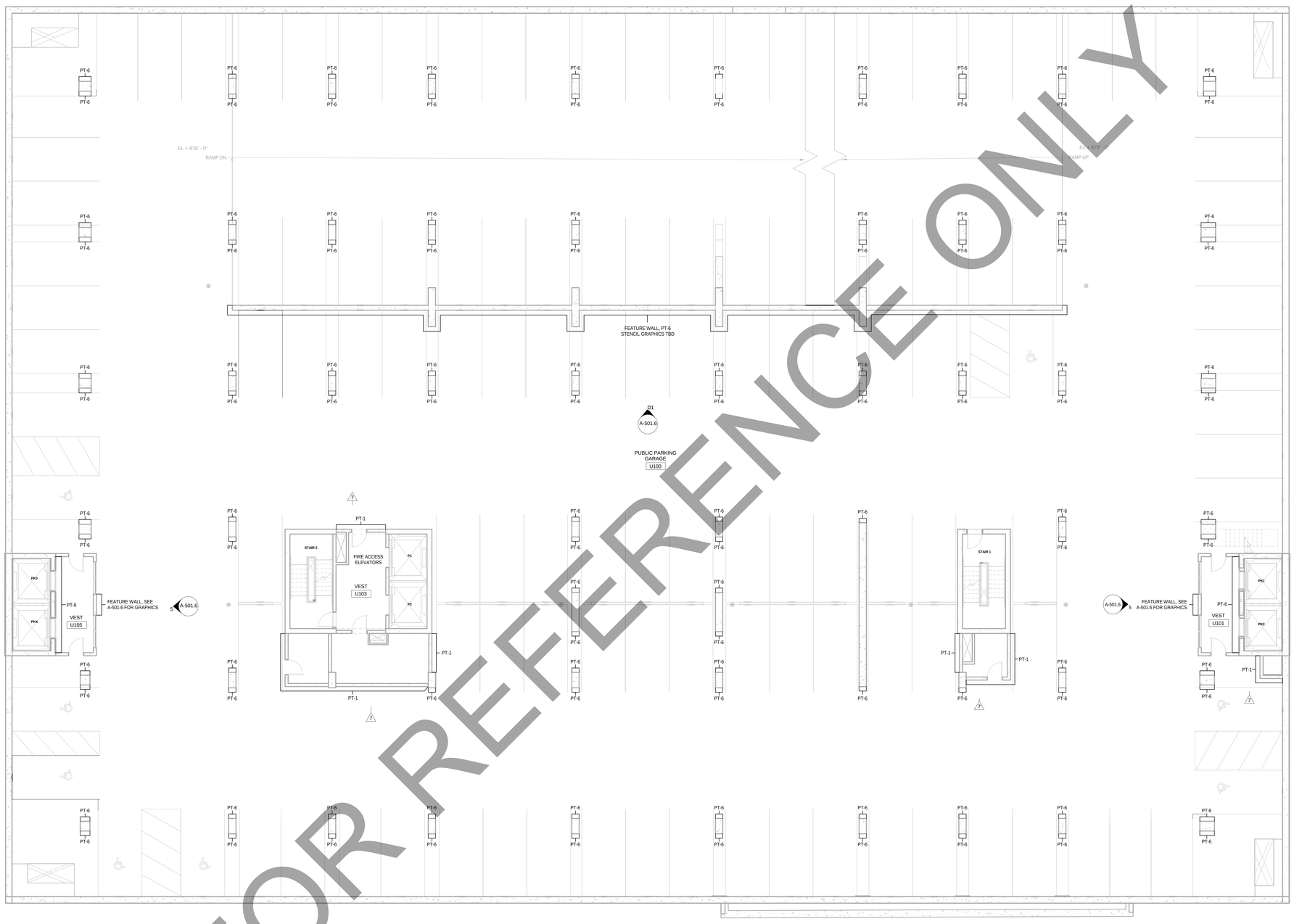
CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

FINISH FLOOR PLAN - LEVEL U2

Drawn	Date
Author	9/5/2017 11:23:27 AM
Checked By	**Drawing Number**
Checker	A-501.3
Approved	
Approver	
Job Number	
215-1051	



FOR REFERENCE ONLY

K1 LEVEL U1 - FINISH PLANS

SCALE: 1/8" = 1'-0"

TRUE NORTH
PROJECT NORTH

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MADISON
2018

No.	Description	Date
9	BID DOCUMENTS	09/07/2017
7	ADDENDUM #2	07/28/2017
6	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
5	ISSUED FOR FINAL BID	06/23/2017
4	ISSUED FOR BID	06/16/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
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ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER
PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

FINISH FLOOR PLAN - LEVEL U1

Drawn	Date
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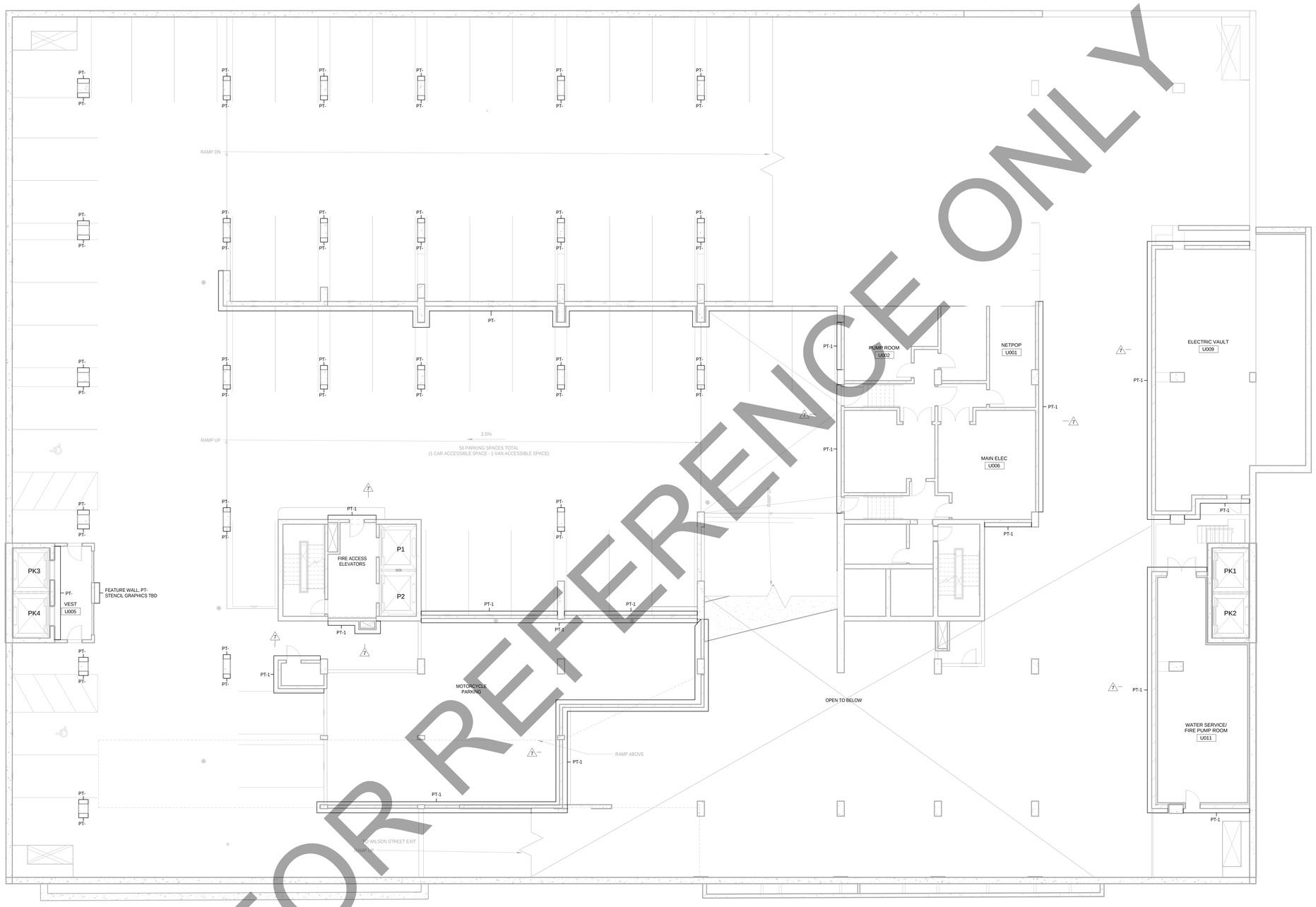
Checked By	**Drawing Number**
Checker	A-501.4
Approved	
Approver	
Job Number	
215-1051	



FOR REFERENCE ONLY

K1 LEVEL U0 - FINISH PLANS

SCALE: 1/8" = 1'-0"

TRUE NORTH

PROJECT NORTH

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General Notes

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MADISON
ARCHITECT

No.	Description	Date
9	BID DOCUMENTS	09/07/2017
7	ADDENDUM #2	07/28/2017
6	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
5	ISSUED FOR FINAL BID	06/23/2017
4	ISSUED FOR BID	06/16/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
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ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
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MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
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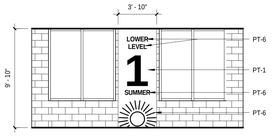
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

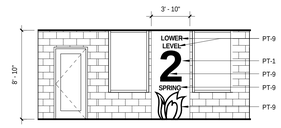
FINISH FLOOR PLAN - LEVEL U0

Drawn	Date
Author	9/5/2017 11:23:30 AM
Checked By	**Drawing Number**
Checker	
Approved	
Approver	
Job Number	
215-1051	

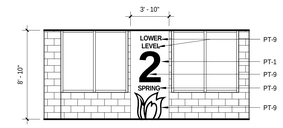
A-501.5



5 VESTIBULE WALL ELEVATION LEVEL 1
SCALE: 3/16" = 1'-0"



6 VESTIBULE WALL ELEVATION LEVEL 2
SCALE: 3/16" = 1'-0"



7 VESTIBULE WALL ELEVATION LEVEL 2 (2)
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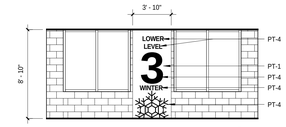

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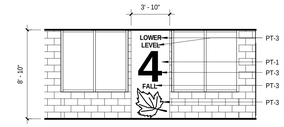

9 VESTIBULE WALL ELEVATION LEVEL 4
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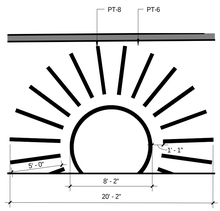
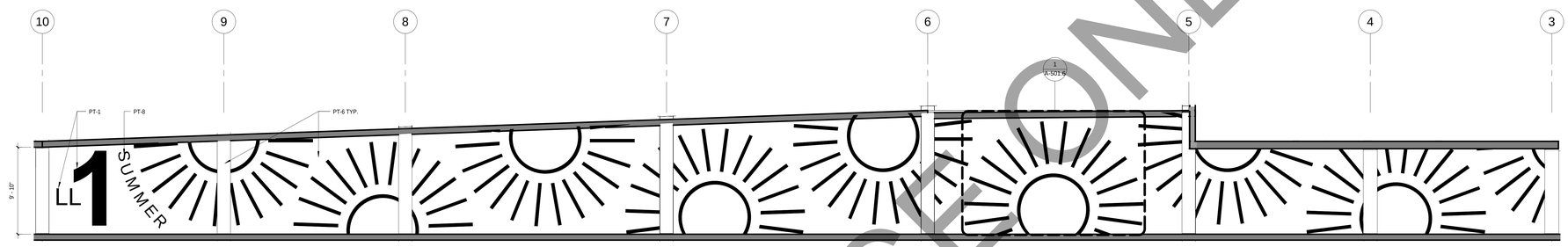


1 LEVEL 1 DECAL
SCALE: 3/16" = 1'-0"



D1 FEATURE WALL ELEVATION_LEVEL U1
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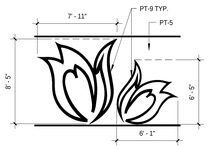

2 LEVEL 2 DECAL
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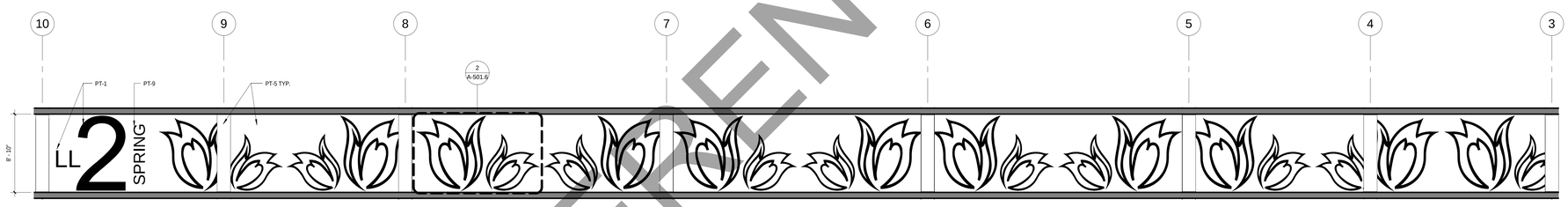

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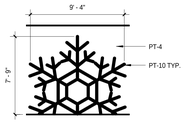
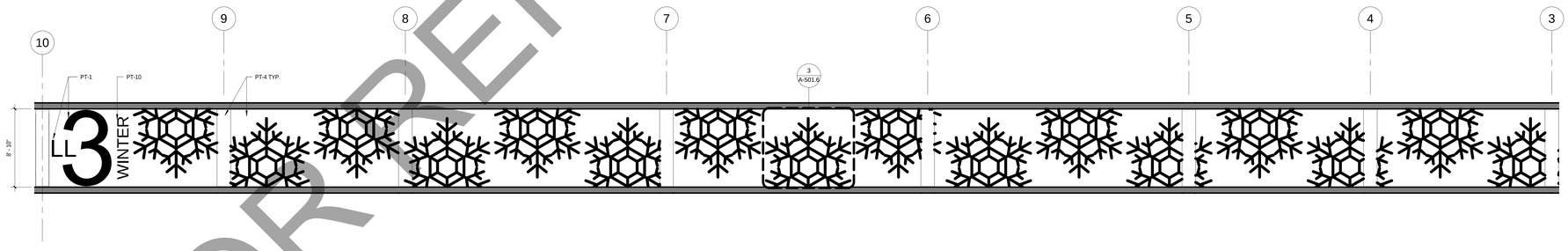
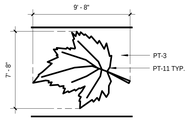


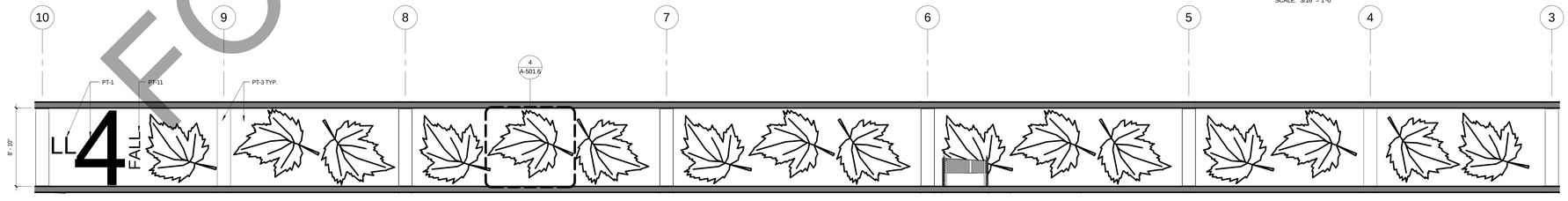
3 LEVEL 3 DECAL
SCALE: 3/16" = 1'-0"



H1 FEATURE WALL ELEVATION_LEVEL U3
SCALE: 3/16" = 1'-0"



4 LEVEL 4 DECAL
SCALE: 3/16" = 1'-0"



K1 FEATURE WALL ELEVATION_LEVEL U4
SCALE: 3/16" = 1'-0"

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TRUE NORTH
PROJECT NORTH

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General Notes

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006

WISCONSIN
JAMES R. DESTEFANO
3614-5
MADISON
WI
ARCHITECT

No.	Description	Date
9	BID DOCUMENTS	09/07/2017
7	ADDENDUM #2	07/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano
ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS
MADISON | CHICAGO | ST. LOUIS

PARKING CONSULTANT:
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PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
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MEP/FP ENGINEERS:
AEI Affiliated Engineers

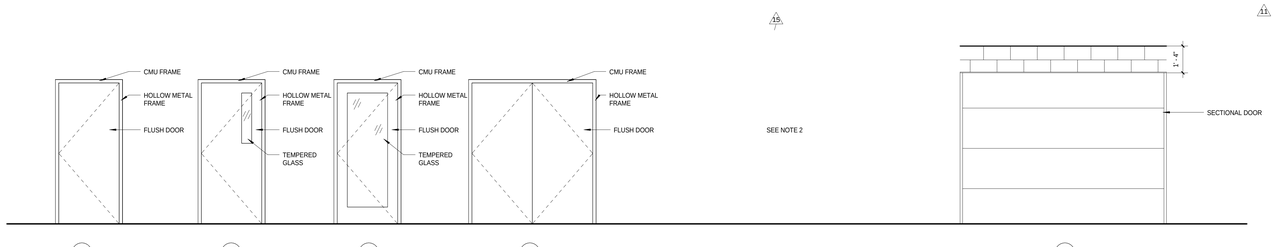
CIVIL ENGINEERS:
Mead & Hunt

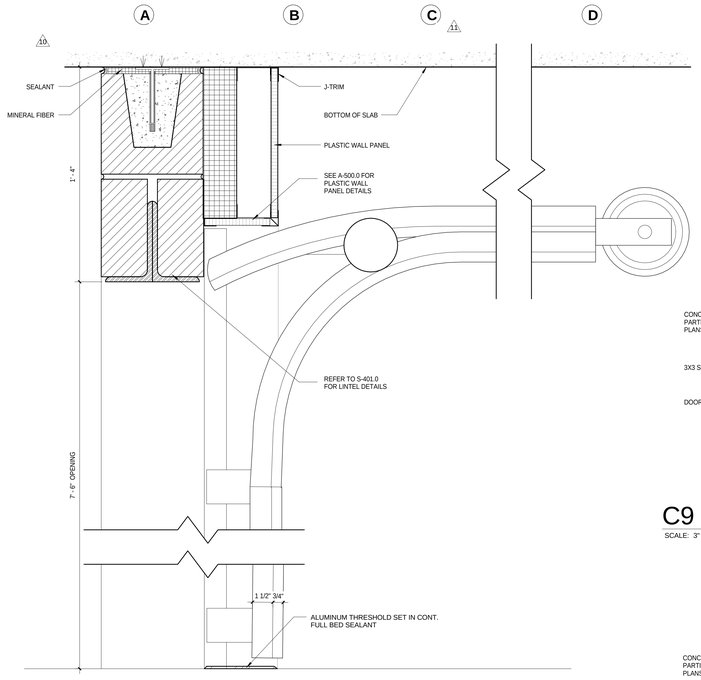
LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

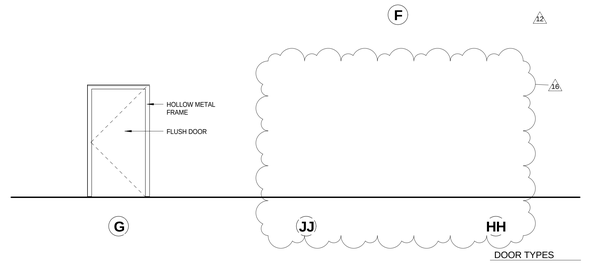
FEATURE WALL DESIGNS ELEVATIONS

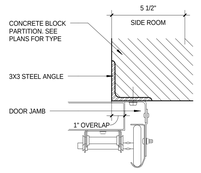
Drawn	Date
Author	9/5/2017 11:23:35 AM
Checked By	**Drawing Number**
Checker	A-501.6
Approved	
Approver	
Job Number	
215-1051	



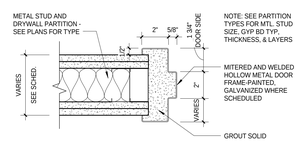


F11 SECTIONAL DOOR DETAILS
SCALE: 3" = 1'-0"

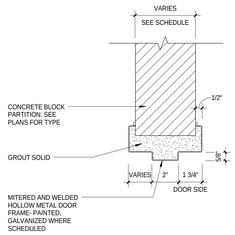




C9 SECTIONAL DOOR JAMB DETAIL
SCALE: 3" = 1'-0"



C6 HOLLOW METAL JAMB AT DOOR STRIKE @ GYPSUM BOARD PARTITION
SCALE: 3" = 1'-0"



E9 H2 HEAD DETAIL H.M. @ CONCRETE BLOCK
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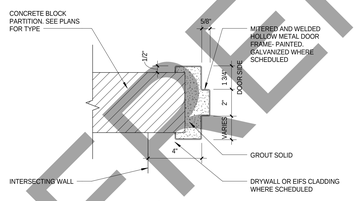
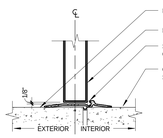
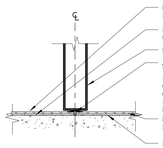


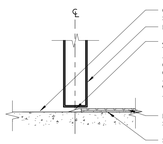
E6 H2 HEAD DETAIL H.M. @ CONCRETE BLOCK
SCALE: 3" = 1'-0"



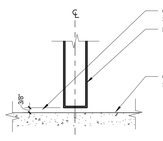
G11 INTERIOR TO EXTERIOR SILL DETAIL
SCALE: 3" = 1'-0"



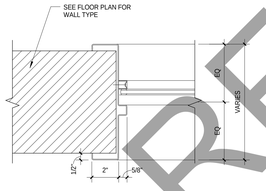
H11 RUBBER TO RUBBER SILL DETAIL
SCALE: 3" = 1'-0"



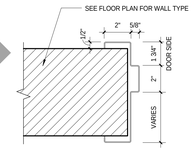
J11 CONCRETE TO RUBBER SILL DETAIL
SCALE: 3" = 1'-0"



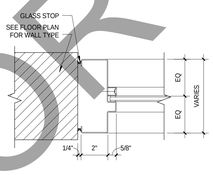
K11 CONCRETE TO CONCRETE SILL DETAIL
SCALE: 3" = 1'-0"



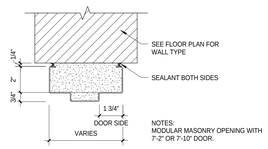
G9 HOLLOW METAL BORROWED LIGHT JAMB @ MASONRY / CONCRETE WALL - HEAD SIMILAR
SCALE: 3" = 1'-0"



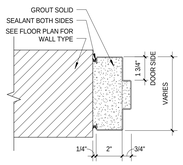
G6 HOLLOW METAL JAMB AT DOOR STRIKE @ MASONRY / CONCRETE WALL
SCALE: 3" = 1'-0"



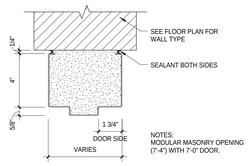
H9 GLAZED HOLLOW METAL JAMB @ MASONRY / CONCRETE WALL
SCALE: 3" = 1'-0"



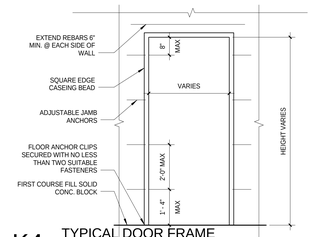
H6 HOLLOW METAL HEAD DETAIL@ MASONRY/ CONCRETE WALL
SCALE: 3" = 1'-0"



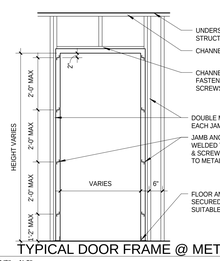
K9 POST-FIX HOLLOW METAL JAMB AT DOOR STRIKE @ MASONRY / CONCRETE WALL
SCALE: 3" = 1'-0"



K6 HOLLOW METAL HEAD DETAIL @ MASONRY / CONCRETE WALL
SCALE: 3" = 1'-0"



K4 TYPICAL DOOR FRAME @ MASONRY / CONCRETE WALL
SCALE: 1/2" = 1'-0"



NOTE:
LOCATE ANCHOR CLIPS ABOVE HINGE REINFORCEMENTS AND JUST BELOW TOP REINFORCEMENTS W/ CLIPS ON STRIKE SIDE TO OCCUR DIRECTLY OPPOSITE OF HINGE SIDE

SD = SMOKE AND DRAFT CONTROL ASSEMBLIES -SEE SPECIFICATIONS SECTION 08 11 13 ***ALL STAIR DOORS, IN ADDITION TO FIRE RATING, TO BE SD.

K2 TYPICAL DOOR FRAME @ METAL STUD WALL
SCALE: 1/2" = 1'-0"

DOOR SCHEDULE

Door #	Room #	Room Name	DOOR Type	DOOR Material	DOOR Finish	DOOR Nominal Size Width	DOOR Nominal Size Height	DOOR Nominal Size Thickness	FRAME Material	FRAME Finish	FRAME Section Head	FRAME Section Jamb	FRAME Section Sill	Fire Rating	Hardware Set	Remarks
Level U4																
ST1-U4	ST-1	Stair 1	B	HM	PTD	3' - 0"	7' - 0"	1 3/4"	HM	PTD	H6/A-502.0	K9/A-502.0	K11/A-502.0	90 Min.	3.0	
ST2-U4	ST-2	Stair 2	B	HM	PTD	3' - 0"	7' - 0"	1 3/4"	HM	PTD	E9/A-502.0	E6/A-502.0	J11/A-502.0	90 Min.	3.0	
U401	U401	Vestibule	C	HM	PTD	3' - 0"	7' - 0"	1 3/4"	HM	PTD	E9/A-502.0	E6/A-502.0	J11/A-502.0	SD	2.0	100°
U401A	U401	Vestibule	C	HM	PTD	3' - 0"	7' - 0"	1 3/4"	HM	PTD	E9/A-502.0	E6/A-502.0	J11/A-502.0	SD	2.0	100°
U402	U402	Dry Valve	A	HM	PTD	3' - 0"	7' - 0"	1 3/4"	HM	PTD	E9/A-502.0	E6/A-502.0	K11/A-502.0	-	1.0	
U403	U403	Vestibule	B	HM	PTD	3' - 0"	7' - 0"	1 3/4"	HM	PTD	E9/A-502.0	E6/A-502.0	J11/A-502.0	45 Min. SD	3.0	
U404	U404	Dry Valve	A	HM	PTD	3' - 0"	7' - 0"	1 3/4"	HM	PTD	E9/A-502.0	E6/A-502.0	K11/A-502.0	-	1.0	
U405	U405	Vestibule	C	HM	PTD	3' - 0"	7' - 0"	1 3/4"	HM	PTD	E9/A-502.0	E6/A-502.0	J11/A-502.0	SD	2.0	100°
U405A	U405	Vestibule	C	HM	PTD	3' - 0"	7' - 0"	1 3/4"	HM	PTD	E9/A-502.0	E6/A-502.0	J11/A-502.0	SD	2.0	100°
U406	U406	Elevator Control	A	HM	PTD	3' - 0"	7' - 0"	1 3/4"	HM	PTD	E9/A-502.0	E6/A-502.0	K11/A-502.0	90 Min.	1.0	Knurled Lever
U407	U407	Elevator Control	A	HM	PTD	3' - 0"	7' - 0"	1 3/4"	HM	PTD	E9/A-502.0	E6/A-502.0	K11/A-502.0	90 Min.	1.0	Knurled Lever
Level U3																
ST1-U3	ST-1	Stair 1	B	HM	PTD	3' - 0"	7' - 0"	1 3/4"	HM	PTD	H6/A-502.0	K9/A-502.0	K11/A-502.0	90 Min.	3.0	
ST2-U3	ST-2	Stair 2	B	HM	PTD	3' - 0"	7' - 0"	1 3/4"	HM	PTD	E9/A-502.0	E6/A-502.0	J11/A-502.0	90 Min.	3.0	
U301	U301	Vestibule	C	HM	PTD	3' - 0"	7' - 0"	1 3/4"	HM	PTD	E9/A-502.0	E6/A-502.0	J11/A-502.0	SD	2.0	100°
U301A	U301	Vestibule	C	HM	PTD	3' - 0"	7' - 0"	1 3/4"	HM	PTD	E9/A-502.0	E6/A-502.0	J11/A-502.0	SD	2.0	100°
U302	U302	Dry Valve	A	HM	PTD	3' - 0"	7' - 0"	1 3/4"	HM	PTD	E9/A-502.0	E6/A-502.0	K11/A-502.0	-	1.0	
U303	U303	Vestibule	B	HM	PTD	3' - 0"	7' - 0"	1 3/4"	HM	PTD	E9/A-502.0	E6/A-502.0	J11/A-502.0	45 Min. SD	3.0	
U304	U304	Dry Valve	A	HM	PTD	3' - 0"	7' - 0"	1 3/4"	HM	PTD	E9/A-502.0	E6/A-502.0	K11/A-502.0	-	1.0	
U305	U305	Vestibule	C	HM	PTD	3' - 0"	7' - 0"	1 3/4"	HM	PTD	E9/A-502.0	E6/A-502.0	J11/A-502.0	SD	2.0	100°
U305A	U305	Vestibule	C	HM	PTD	3' - 0"	7' - 0"	1 3/4"	HM	PTD	E9/A-502.0	E6/A-502.0	J11/A-502.0	SD	2.0	100°
U306	U306	Electrical	A	HM	PTD	3' - 0"	7' - 0"	1 3/4"	HM	PTD	E9/A-502.0	E6/A-502.0	J11/A-502.0	45 Min. SD	1.1	Knurled Lever, 110°
Level U2																
ST1-U2	ST-1	Stair 1	B	HM	PTD	3' - 0"	7' - 0"	1 3/4"	HM	PTD	H6/A-502.0	K9/A-502.0	K11/A-502.0	90 Min.	3.0	
ST2-U2	ST-2	Stair 2	B	HM	PTD	3' - 0"	7' - 0"	1 3/4"	HM	PTD	E9/A-502.0	E6/A-502.0	J11/A-502.0	90 Min.	3.0	
U201	U201	Vestibule	C	HM	PTD	3' - 0"	7' - 0"	1 3/4"	HM	PTD	E9/A-502.0	E6/A-502.0	J11/A-502.0	SD	2.0	100°
U202	U202	Dry Valve	A	HM	PTD	3' - 0"	7' - 0"	1 3/4"	HM	PTD	E9/A-502.0	E6/A-502.0	K11/A-502.0	-	1.0	
U203	U203	Vestibule	B	HM	PTD	3' - 0"	7' - 0"	1 3/4"	HM	PTD	E9/A-502.0	E6/A-502.0	J11/A-502.0	45 Min. SD	3.0	
U203A	U203	Vestibule	B	HM	PTD	3' - 0"	7' - 0"	1 3/4"	HM	PTD	E9/A-502.0	E6/A-502.0	J11/A-502.0	45 Min. SD	2.1	
U204	U204	Dry Valve	A	HM	PTD	3' - 0"	7' - 0"	1 3/4"	HM	PTD	E9/A-502.0	E6/A-502.0	K11/A-502.0	-	1.0	
U205	U205	Vestibule	C	HM	PTD	3' - 0"	7' - 0"	1 3/4"	HM	PTD	E9/A-502.0	E6/A-502.0	J11/A-502.0	SD	2.0	100°
U205A	U205	Vestibule	C	HM	PTD	3' - 0"	7' - 0"	1 3/4"	HM	PTD	E9/A-502.0	E6/A-502.0	J11/A-502.0	SD	2.0	100°
U206	U206	Workshop	D	HM	PTD	6' - 0"	7' - 0"	1 3/4"	HM	PTD	K7/A-500.0	K10/A-500.0	J11/A-502.0	-	5.0	Insulated, 110°
U208	U208	Tools	D	HM	PTD	6' - 0"	7' - 0"	1 3/4"	HM	PTD	E9/A-502.0	E6/A-502.0	K11/A-502.0	-	5.0	110°
U210	U210	Sweeper	A	HM	PTD	3' - 0"	7' - 0"	1 3/4"	HM	PTD	K7/A-500.0	K10/A-500.0	K11/A-502.0	-	6.0	
U210A	U210	Sweeper	F	ALUM	PTD	10' - 2"	7' - 7"	2"			F11/A-502.0	C9/A-502.0	F11/A-502.0	-	14.0	Insulated
U211	U211	Toilet	A	HM	PTD	3' - 0"	7' - 0"	1 3/4"	HM	PTD	E9/A-502.0	E6/A-502.0	K11/A-502.0	-	7.0	
Level U1																
ST1-U1	ST-1	Stair 1	B	HM	PTD	3' - 0"	7' - 0"	1 3/4"	HM	PTD	H6/A-502.0	K9/A-502.0	K11/A-502.0	90 Min.	3.0	
ST2-U1	ST-2	Stair 2	B	HM	PTD	3' - 0"	7' - 0"	1 3/4"	HM	PTD	E9/A-502.0	E6/A-502.0	J11/A-502.0	90 Min.	3.0	
U100	U100	Public Parking Garage - South Area Well	G	HM	PTD	2' - 8"	5' - 4"	1 3/4"	HM	PTD	H6/A-502.0	K9/A-502.0	G11/A-502.0	-	1.2	
U101	U101	Vestibule	C	HM	PTD	3' - 0"	7' - 0"	1 3/4"	HM	PTD	E9/A-502.0	E6/A-502.0	J11/A-502.0	SD	2.0	100°
U101A	U101	Vestibule	C	HM	PTD	3' - 0"	7' - 0"	1 3/4"	HM	PTD	E9/A-502.0	E6/A-502.0	J11/A-502.0	SD	2.0	100°
U102	U102	Dry Valve	A	HM	PTD	3' - 0"	7' - 0"	1 3/4"	HM	PTD	E9/A-502.0	E6/A-502.0	K11/A-502.0	-	1.0	
U103	U103	Vestibule	B	HM	PTD	3' - 0"	7' - 0"	1 3/4"	HM	PTD	E9/A-502.0	E6/A-502.0	J11/A-502.0	45 Min. SD	3.0	
U104	U104	Dry Valve	A	HM	PTD	3' - 0"	7' - 0"	1 3/4"	HM	PTD	E9/A-502.0	E6/A-502.0	K11/A-502.0	-	1.0	
U105	U105	Vestibule	C	HM	PTD	3' - 0"	7' - 0"	1 3/4"	HM	PTD	E9/A-502.0	E6/A-502.0	J11/A-502.0	SD	2.0	100°
U105A	U105	Vestibule	C	HM	PTD	3' - 0"	7' - 0"	1 3/4"	HM	PTD	E9/A-502.0	E6/A-502.0	J11/A-502.0	SD	2.0	100°
U106	U106	Electrical	A	HM	PTD	3' - 0"	7' - 0"	1 3/4"	HM	PTD	E9/A-502.0	E6/A-502.0	J11/A-502.0	45 Min. SD	1.1	Knurled Lever
Level U0																
ST1-U0	ST-1	Stair 1	B	HM	PTD	3' - 0"	7' - 0"	1 3/4"	HM	PTD	H6/A-502.0	K9/A-502.0	K11/A-502.0	90 Min.	3.0	
ST2-U0	ST-2	Stair 2	B	HM	PTD	3' - 0"	7' - 0"	1 3/4"	HM	PTD	E9/A-502.0	E6/A-502.0	J11/A-502.0	90 Min.	3.0	
U000	U000	Public Parking Garage - North Area Well	G	HM	PTD	2' - 8"	5' - 4"	1 3/4"	HM	PTD	H6/A-502.0	K9/A-502.0	G11/A-502.0	-	1.2	
U001	U001	Net Pop	A	HM	PTD	3' - 0"	7' - 0"	1 3/4"	HM	PTD	E9/A-502.0	E6/A-502.0	K11/A-502.0	-	17.0	
U001-1	U001-1	Net Pop	A	HM	PTD	3' - 0"	7' - 0"	1 3/4"	HM	PTD	E9/A-502.0	E6/A-502.0	K11/A-502.0	-	1.2	
U002	U002	Pump Room	A	HM	PTD	3' - 0"	7' - 0"	1 3/4"	HM	PTD	E9/A-502.0	E6/A-502.0	K11/A-502.0	-	1.0	
U003	U003	Vestibule	B	HM	PTD	3' - 0"	7' - 0"	1 3/4"	HM	PTD	E9/A-502.0	E6/A-502.0	J11/A-502.0	45 Min. SD	3.0	
U004	U004	Dry Valve	A	HM	PTD	3' - 0"	7' - 0"	1 3/4"	HM	PTD	E9/A-502.0	E6/A-502.0	K11/A-502.0	-	1.1	Knurled Lever
U005	U005	Vestibule	C	HM	PTD	3' - 0"	7' - 0"	1 3/4"	HM	PTD	E9/A-502.0	E6/A-502.0	J11/A-502.0	SD	2.0	100°
U005A	U005	Vestibule	C	HM	PTD	3' - 0"	7' - 0"	1 3/4"	HM	PTD	E9/A-502.0	E6/A-502.0	J11/A-502.0	SD	2.0	100°
U006	U006	Main Electric	D	HM	PTD	6' - 0"	7' - 0"	1 3/4"	HM	PTD	E9/A-502.0	E6/A-502.0	K11/A-502.0	90 Min.	8.0	
U006-1	U006-1	Main Electric	D	HM	PTD	6' - 0"	7' - 0"	1 3/4"	HM	PTD	E9/A-502.0	E6/A-502.0	K11/A-502.0	90 Min.	8.0	
U006-1A	U006-1	Main Electric	A	HM	PTD	3' - 0"	7' - 0"	1 3/4"	HM	PTD	E9/A-502.0	E6/A-502.0	K11/A-502.0	90 Min.	4.1	
U006-A	U006	Main Electric	B	HM	PTD	3' - 0"	7' - 0"	1 3/4"	HM	PTD	E9/A-502.0	E6/A-502.0	K11/A-502.0	90 Min.	4.1	
U007	U007	Corridor	A	HM	PTD	3' - 0"	7' - 0"	1 3/4"	HM	PTD	H6/A-502.0	K9/A-502.0	K11/A-502.0	-	3.0	
U008	U008	Storage	A	HM	PTD	3' - 0"	7' - 0"	1 3/4"	HM	PTD	E9/A-502.0	E6/A-502.0	K11/A-502.0	60 Min.	1.2	Knurled Lever
U009	U009	Elevatrical Vault	A	HM	PTD	3' - 0"	7' - 0"	1 3/4"	HM		E9/A-502.0	E6/A-502.0	K11/A-502.0	120 Min.	2.0	Knurled Lever
U011	U011	Water Service/Fire Pump Room	D	HM	PTD	6' - 0"	7' - 0"	1 3/4"	HM	PTD	E9/A-502.0	E6/A-502.0	K11/A-502.0	90 Min.	9.0	Knurled Lever, Insulated
U011-A	U011	Water Service/Fire Pump Room	A	HM	PTD	3' - 0"	7' - 0"	1 3/4"	HM	PTD	E9/A-502.0	E6/A-502.0	K11/A-502.0	90 Min.	1.2	
U012	U012	Corridor	A	HM	PTD	4' - 0"	7' - 0"	1 3/4"	HM	PTD	H6/A-502.0	K9/A-502.0	K11/A-502.0	-	1.0	
U012-A	U012	Corridor	A	HM	PTD	4' - 0"	7' - 0"	1 3/4"	HM	PTD	E9/A-502.0	E6/A-502.0	K11/A-502.0	-	1.0	
Level 1 Wilson St																
0104	0110	Loading Dock	A	HM	PTD	3' - 0"	7' - 0"	1 3/4"	HM	PTD	E9/A-502.0	E6/A-502.0	G11/A-502.0	90 Min.	11.0	
0105-A	0105-A	Emergency Electric Room	A	HM	PTD	4' - 0"	7' - 0"	1 3/4"	HM					90 Min.	4.0	Knurled Lever
ST1-01	ST-1	Stair 1	B	HM	PTD	3' - 0"	7' - 0"	1 3/4"	HM	PTD	E9/A-502.0	E6/A-502.0	G11/A-502.0	90 Min.	1.0	
ST1-02	0104	Exit Corridor	A	HM	PTD	3' - 10"	7' - 0"	1 3/4"	HM	PTD	E9/A-502.0	E6/A-502.0	K11/A-502.0	90 Min.	3.0	Smoke control assembly, Panic Bar
0102	105	Dry Valve	A	HM	PTD	3' - 0"	7' - 0"	1 3/4"	HM	PTD	E9/A-502.0	E6/A-502.0	G11/A-502.0	-	1.1	
0103	0103	Garage Office	C	HM	PTD	3' - 0"	7' - 0"	1 3/4"	HM	PTD	C6/A-502.0	C6/A-502.0	G11/A-502.0		17.0	insulated
0103A	0103A	Janitor Closet	A	HM	PTD	3' - 0"	7' - 0"	1 3/4"	HM	PTD	C6/A-502.0	C6/A-502.0	J11/A-502.0	-	13.0	
0103B	0103B	Locker Room	A	HM	PTD	3' - 0"	7' - 0"	1 3/4"	HM	PTD	C6/A-502.0	C6/A-502.0	H11/A-502.0	-	13.0	
0103C	0103C	Unisex Toilet	A	HM	PTD	3' - 0"	7' - 0"	1 3/4"	HM	PTD	C6/A-502.0	C6/A-502.0	H11/A-502.0	-	7.1	
0103D	0103D	Break Room	A	HM	PTD	3' - 0"	7' - 0"	1 3/4"	HM	PTD	C6/A-502.0	C6/A-502.0	H11/A-502.0	-	13.0	
0103E	0103E	Closet	A	HM	PTD	2' - 10"	7' - 0"	1 3/4"	HM	PTD	C6/A-502.0	C6/A-502.0	H11/A-502.0	-	2.0	
0104A	0104	Corridor	A	HM	PTD	3' - 10"	7' - 0"	1 3/4"	HM	PTD	E9/A-502.0	E6/A-502.0	G11/A-502.0	90 Min.	11.0	Panic Bar
0105	0105	Generator Room	D	HM	PTD	8' - 0"	7' - 0"	1 3/4"	HM	PTD	E9/A-502.0	E6/A-502.0	K11/A-502.0	90 Min.	8.0	Knurled Lever
Level 1.5																
ST2-01	ST-2	Stair 2	A	HM	PTD	3' - 0"	7' - 0"	1 3/4"	HM	PTD	E9/A-502.0	E6/A-502.0	K11/A-502.0	90 Min.	3.0	
Level 2 Doty St																
0150-A	0150-A	City Storage	A	HM	PTD	3' - 0"	7' - 0"	1 3/4"	HM	PTD	E9/A-502.0	E6/A-502.0	K11/A-502.0	90 Min.	1.0	
ST2-02	ST-2	Stair 2	B	HM	PTD	3' - 10"	7' - 0"	1 3/4"	HM	PTD	H6/A-502.0	K9/A-502.0	K11/A-502.0	90 Min.	3.1	
0200-B	0200	Bicycle Center	A	HM	PTD	3' - 0"	7' - 0"	1 3/4"	HM	PTD	E9/A-502.0	E6/A-502.0	G11/A-502.0	45 Min.	10.0	
0202	0202	Corridor	A	HM	PTD	3' - 10"	7' - 0"	1 3/4"	HM	PTD	E9/A-502.0	E6/A-502.0	G11/A-502.0	90 Min.	11.0	
0204	0204	Bicycle Parking	A	HM	PTD	3' - 6"	7' - 0"	1 3/4"	HM		K6/A-502.0	K9/A-502.0	K11/A-502.0	90 Min.	2.0	Floor mounted electro-magnetic door holder

General Notes

NOTE 1: CONSTRUCTION SHOWN HALF-TONE IS FOR INFORMATION ONLY - SUSEQUENT DEVELOPMENT UNDER SEPARATE CONTRACT

NOTE 2 : ALL EXTERIOR WALL ENCLOSURE IS NOT IN CONTRACT UNLESS OTHERWISE NOTED

LEGEND

N.I.C. — **CONSTRUCTION ITEMS FOR REFERENCE ONLY - NOT IN CONTRACT - SUBJECT TO SEPARATE PERMIT**

No.	Description	Date
16	FINAL BULLETIN #6	09/14/2018
15	BULLETIN #6	08/03/2018
14	BULLETIN #5	05/14/2018
12	BULLETIN #3	03/05/2018
11	BULLETIN #2	12/07/2017
10	BULLETIN #1	11/08/2017
9	BID DOCUMENTS	09/07/2017
7	ADDENDUM #2	07/28/2017
6	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
5	ISSUED FOR FINAL BID	06/23/2017
4	ISSUED FOR BID	06/16/2017
3	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
2	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - PODIUM

JUDGE DOYLE SQUARE

CITY OF MADISON

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE

Drawing Title

DOOR TYPES & DETAILS

Drawn	Date
Author	9/14/2018 5:44:02 PM
Checked By	**Drawing Number**
Checker	A-502.0
Approved	
Approver	
Job Number	
217-1088	

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GENERAL NOTES:

1. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE WISCONSIN STATE CODE, LATEST EDITION, AND ANY OTHER APPLICABLE CODES OF REGULATORY AGENCIES HAVING JURISDICTION.

2. THE CONTRACTOR SHALL COMPLY WITH THE LAWS, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY BEARING UPON THE PERFORMANCE OF THE WORK.

3. THE WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIFICATIONS AND THE CONTRACT DRAWINGS. REPORT DISCREPANCIES BETWEEN THE SPECIFICATIONS AND THE CONTRACT DRAWINGS TO THE ARCHITECT IN WRITING FOR CLARIFICATION PRIOR TO IMPLEMENTING WORK. WHERE REQUIREMENTS SHOWN ON THE DRAWINGS DIFFER FROM THE SPECIFICATIONS, THE MORE SEVERE OF THE TWO SHALL GOVERN.

4. ALL ELEVATIONS ARE REFERENCED TO SEA LEVEL PER THE UNTIED STATES COAST GUARD AND GEODETIC SURVEY, UNLESS NOTED OTHERWISE. (+0'-0" MADISON CITY DATUM = +845.6' ABOVE SEA LEVEL)

5. WHERE NOT INDICATED ON THE STRUCTURAL DRAWINGS, SEE ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION DRAWINGS FOR THE FOLLOWING:

a. ELEVATIONS AND SLOPES;
b. SIZE, LOCATION, AND EXTENT OF CURBS, FLOOR DEPRESSIONS, AND TOPPING SLABS;
c. SIZE AND LOCATION OF DRAINS, TRENCHES, SLAB OPENINGS, AND WALL OPENINGS;
d. SIZE AND LOCATION OF RECESSES AND REVEALS IN CONCRETE WORK;
e. SIZE, TYPE, AND LOCATION OF NON-LOAD BEARING PARTITIONS;
f. CONCRETE AND STEEL FINISHES;
g. SIZE AND LOCATION OF SLEEVES AND HANGERS;
h. ITEMS EMBEDDED IN THE STRUCTURE OR PENETRATING THE STRUCTURE;
i. CONNECTION OF MEPFP ITEMS / EQUIPMENT TO THE STRUCTURE;
j. CONNECTION OF ARCHITECTURAL ITEMS TO THE STRUCTURE;
k. CONNECTION OF ANY ITEMS NOT TYPICALLY DETAILED ON THE STRUCTURAL DRAWINGS;
l. SITE AND SUBGRADE DRAINAGE SYSTEMS;
m. WATERPROOFING AND DAMP PROOFING;
n. REQUIRED FIRE RATINGS AND FIRE PROOFING.

WHEN SHOWN, OPENING SIZES AND LOCATIONS FOR PIPES, DUCTS, ETC. ARE FOR GENERAL INFORMATION ONLY AND SHALL BE VERIFIED WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION DRAWINGS. ANY DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT IN WRITING PRIOR TO IMPLEMENTING THE WORK.

6. CONNECTIONS OF ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION ITEMS TO THE STRUCTURE SHALL BE DESIGNED AND DETAILED BY THE MANUFACTURER, SUPPLIER, OR CONTRACTOR RESPONSIBLE FOR THAT WORK. CONNECTIONS TO STRUCTURAL MEMBERS SHALL BE SUBMITTED TO THE ARCHITECT FOR REVIEW. RESPONSIBILITY FOR THE PERFORMANCE OF THE SUPPLIED SYSTEM AND ASSOCIATED CONNECTIONS SHALL REMAIN THAT OF THE PARTY FURNISHING THE DESIGN AND DETAILING.

7. OPENINGS AND PENETRATIONS THROUGH STRUCTURAL ELEMENTS AND ITEMS EMBEDDED IN STRUCTURAL ELEMENTS THAT ARE NOT INDICATED ON THE STRUCTURAL DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT FOR REVIEW PRIOR TO IMPLEMENTING THE WORK.

8. THE CONTRACTOR SHALL SUPPLY THE ARCHITECT WITH A SUBMITTAL VERIFYING THE FINAL LOCATIONS OF ALL MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION ITEMS / EQUIPMENT WEIGHING 50 LBS. AND GREATER, AND PIPING PENETRATIONS 6 INCHES IN DIAMETER AND LARGER. SEE THE STRUCTURAL NOTES FOR SPECIFIC MATERIALS AND THE CONTRACT DRAWINGS FOR ANY ADDITIONAL CRITERIA.

9. PLAN, SECTION, AND DETAIL DRAWINGS SHALL NOT BE SCALED FOR DETERMINATION OF QUANTITIES, LENGTHS, FIT OF MATERIALS, ETC.

10. DO NOT PLACE MATERIALS OR EQUIPMENT ON FLOORS OR ROOFS IN EXCESS OF THE INDICATED SUPERIMPOSED DEAD AND LIVE DESIGN LOADS. AVOID IMPACT LOADING.

11. DETAILS, SECTIONS, AND NOTES DESIGNATED AS "TYPICAL" ARE INTENDED TO SHOW INTENT. THEY SHALL ALSO APPLY TO SIMILAR SITUATIONS UNLESS NOTED OTHERWISE.

12. THE SPECIFICATIONS AND STRUCTURAL DRAWINGS REPRESENT THE FINISHED STRUCTURE AND, UNLESS NOTED OTHERWISE, DO NOT INDICATE THE METHOD OF CONSTRUCTION.

13. THE BUILDING IS DESIGNED FOR PERMANENT LOADS APPLIED TO THE STRUCTURE IN ITS FINAL CONFIGURATION. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE INTEGRITY OF THE STRUCTURE DURING CONSTRUCTION AND SHALL PROVIDE ADEQUATE SHORING AND/OR TEMPORARY SUPPORT, WHEREVER REQUIRED, TO THE EXISTING AND NEW STRUCTURES, DURING THE ENTIRE CONSTRUCTION PERIOD.

14. THE CONTRACTOR SHALL MAKE NO DEVIATIONS FROM THE CONTRACT DRAWINGS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT.

15. SEE THIS SHEET FOR PROJECT DESIGN LOAD DATA AND SHEET S-005.0 FOR LOADING DIAGRAMS.

PROJECT DESIGN LOAD DATA:

1. APPLICABLE DESIGN CODES

a. WISCONSIN STATE CODE, LATEST EDITION
b. INTERNATIONAL BUILDING CODE (IBC), 2009
c. ASCE 7-05, "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES"

2. FLOOR LIVE LOADS (GRAVITY LOADS):

a. PARKING - TYPICAL 40 PSF **
b. RETAIL - TYPICAL 125 PSF
c. MECHANICAL ROOM 50 PSF PLUS EQUIPMENT
d. EXIT STAIRS 100 PSF
e. TRUCK DOCK 250 PSF
f. PINKNEY STREET 250 PSF
g. OFFICE 50 PSF
h. SIDEWALK VAULT 250 PSF
i. STORAGE 125 PSF

** THESE LOADS REDUCED PER IBC 2009, SECTION 1607.9 FOR FLOOR AND COLUMN DESIGNS

3. BUILDING RISK CATEGORY II

4. ROOF LIVE LOADS (GRAVITY LOADS):

a. ROOF DESIGN LIVE LOAD 20 PSF
b. CODE MINIMUM SNOW LOAD
GROUND SNOW LOAD, Pg: 30 PSF
FLAT-ROOF SNOW LOAD, Pf: 21 PSF
SNOW EXPOSURE FACTOR, Ce: 0.9
SNOW IMPORTANCE FACTOR, Is: 1.0
THERMAL FACTOR, Ct: 1.1

5. MINIMUM DESIGN WIND LOADS:

CODE MINIMUM WIND LOADS BASED ON THE FOLLOWING:
BASIC WIND SPEED, V: 90 MPH
WIND EXPOSURE CATEGORY (TYPICAL): D
WIND IMPORTANCE FACTOR, Iw: 1.0
INTERNAL PRESSURE COEFFICIENT, GCPi: 0.18

a. MAIN WIND FORCE RESISTING SYSTEM VARIES (AVERAGE = 29 PSF)
b. ROOF UPLIFT 25 PSF
c. COMPONENTS AND CLADDING SEE ARCHITECTURAL DOCUMENTS

DESIGN BASE SHEAR
PROJECT NORTH-SOUTH: 1000 KIPS
PROJECT EAST-WEST: 383 KIPS

6. EARTHQUAKE/SEISMIC DESIGN DATA:

CODE MINIMUM SEISMIC DESIGN LOADS BASED ON THE FOLLOWING:
MAPPED SPECTRAL RESPONSE ACCELERATIONS:
Ss 0.084 g
S1 0.046 g
SITE CLASS: C
SPECTRAL RESPONSE COEFFICIENTS:
Sds 0.068 g
Sd1 0.052 g
SEISMIC DESIGN CATEGORY: A
SEISMIC IMPORTANCE FACTOR, Ie: 1.0
BASIC SEISMIC-FORCE-RESISTING SYSTEM(S):
REINFORCED CONCRETE SHEAR WALLS
SEISMIC RESPONSE COEFFICIENT: 0.01
DESIGN BASE SHEAR: 1060 KIPS
ANALYSIS PROCEDURE USED: EQUIVALENT LATERAL FRAME METHOD

SPECIAL INSPECTION, STRUCTURAL TESTING, AND STRUCTURAL OBSERVATIONS FOR SEISMIC RESISTANCE SHALL BE PROVIDED PER THE STANDARDS OF IBC 2015, SECTION 1705.12, "SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE", SECTION 1705.13, "TESTING FOR SEISMIC RESISTANCE", AND SECTION 1704.6, "STRUCTURAL OBSERVATIONS".

7. OTHER LOADS:

a. HANDRAILS AND GUARDRAILS:

50 PLF UNIFORM LOAD OR 200 LBS. CONCENTRATED LOAD APPLIED AT TOP IN ANY DIRECTION. UNIFORM AND CONCENTRATED LOADS DO NOT ACT CONCURRENTLY.

b. INTERMEDIATE RAILS, BALUSTERS AND PANEL FILLERS:

50 LB. HORIZONTAL LOAD APPLIED NORMAL TO THE ELEMENT OVER AN AREA OF ONE (1) SQUARE FOOT.

c. VEHICLE BARRIERS - PASSENGER CARS:

6000 LBS. CONCENTRATED HORIZONTAL LOAD APPLIED IN ANY DIRECTION AT A MINIMUM HEIGHT OF 1'-6" ABOVE THE FLOOR OR RAMP AND OVER AN AREA NOT TO EXCEED ONE (1) SQUARE FOOT.

d. VACUUM TRAILER: 8,000 LBS GVW TRAILER + 8,000 LBS GVW TOW VEHICLE

8. LOADS APPLIED TO STRUCTURE FROM FUTURE DEVELOPMENT ABOVE

a. SEE STRUCTURAL AND ARCHITECTURAL DRAWINGS FOR SCOPE.
b. LIVE, SNOW, WIND, AND SEISMIC LOADS DETERMINED USING ANTICIPATED FUTURE CODES AS FOLLOWS:
i. INTERNATIONAL BUILDING CODE (IBC), 2015
ii. ASCE 7-10, "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES"
c. FLOOR LIVE LOADS (GRAVITY LOADS):
i. RESIDENTIAL - TYPICAL** 40 PSF
ii. ROOFTOP TERRACE 100 PSF

** THESE LOADS REDUCED PER IBC 2015, SECTION 1607.10 FOR FLOOR AND COLUMN DESIGNS

d. ROOF LIVE LOADS (GRAVITY LOADS):
i. ROOF DESIGN LIVE LOAD 20 PSF

GENERAL EXCAVATION NOTES:

1. THE PERIMETER OF THE GENERAL EXCAVATION SHALL BE RETAINED BY A SOIL RETENTION SYSTEM. THE DESIGN, INSTALLATION, MAINTENANCE AND REMOVAL OF THE RETENTION SYSTEM SHALL BE THE COMPLETE AND SOLE RESPONSIBILITY OF THE CONTRACTOR.

2. THE EXCAVATION RETENTION SYSTEM SHALL BE DESIGNED AND INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH THE GEOTECHNICAL DESIGN PARAMETERS AND SOIL PRESSURES AS INDICATED IN THE GEOTECHNICAL EXPLORATION REPORT.

3. THE CONTRACTOR SHALL PROVIDE ALL MEASURES AND PRECAUTIONS NECESSARY TO PREVENT DAMAGE AND MINIMIZE SETTLEMENT OF EXISTING OR NEW CONSTRUCTION INSIDE OR OUTSIDE THE PROJECT LIMITS. ANY DAMAGE TO NEW OR EXISTING CONSTRUCTION, INSIDE OR OUTSIDE OF THE PROJECT LIMITS, CAUSED BY CONSTRUCTION TECHNIQUES OR MOVEMENT OF THE SOIL RETENTION SYSTEM, IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

4. THE CONTRACTOR SHALL COORDINATE ALL ELEMENTS OF THE SOIL RETENTION SYSTEM WITH ALL ELEMENTS OF THE PERMANENT BUILDING.

5. PRIOR TO ANY EXCAVATION OR INSTALLATION OF ELEMENTS OF THE SOIL RETENTION SYSTEM, THE CONTRACTOR SHALL ESTABLISH A GRID OF SURVEY POINTS AROUND THE PERIMETER OF THE AREA TO BE EXCAVATED, INCLUDING POINTS UP TO 20 FEET BEYOND THE PERIMETER. THESE POINTS SHALL BE SURVEYED IN VERTICAL AND HORIZONTAL MOVEMENT AT FREQUENT INTERVALS DURING ACTUAL EXCAVATION, AND CONTINUED DURING EACH SUBSEQUENT PHASE OF THE WORK, AND SUBMITTED TO THE ARCHITECT FOR INFORMATION.

6. ALL EXCAVATION SHALL BE BASED UPON ENGINEERING DRAWINGS PREPARED BY THE CONTRACTOR, INCLUDING PLANS AND SECTIONS OF EXCAVATION SEQUENCES. THE EXCAVATION SEQUENCES SHALL BE CONTROLLED TO MATCH THE REQUIREMENTS OF THE DESIGN OF THE SOIL RETENTION SYSTEM AND SHALL INCLUDE MONITORING OF WALL AND GROUND MOVEMENTS.

7. THE GENERAL EXCAVATION ACROSS THE SITE SHALL NOT EXTEND DEEPER THAN THE SLAB-ON-GRADE SUBGRADE ELEVATION. THE EXCAVATIONS FOR SPREAD FOOTINGS, PITS, ETC. SHALL BE EXCAVATED ON AN INDIVIDUAL, LOCALIZED BASIS DOWN FROM THE SLAB-ON-GRADE SUBGRADE. THE LAST 6 INCHES OF EACH EXCAVATION SHALL BE EXCAVATED TO A TRIM, LEVEL SURFACE.

8. THE FINAL 6 INCHES OF EXCAVATION FOR THE FOOTINGS SHALL BE PERFORMED BY A SMOOTH EDGED BUCKET OR BY HAND, OVER SMALL AREAS, AND SHALL PRODUCE A MINIMUM DISTURBANCE TO THE NATURAL SUBGRADE. AS SOON AS THE EXCAVATION IS REACHED, ALL LOOSE MATERIAL AND APPROVED BY THE ARCHITECT. IF UNSUITABLE MATERIAL EXISTS, THE SUBGRADE SHALL BE IMMEDIATELY COVERED WITH A CONCRETE MUD SLAB BEFORE PROCEEDING TO THE NEXT AREA

9. ALL FOOTING SUBGRADES TO BE PROTECTED FROM DISTURBANCE BY PLACING A 4 INCH THICK LEAN MIX CONCRETE LAYER IMMEDIATELY AFTER EXCAVATION, MIN. f'c=6,000 PSI.

10. ALL EXCAVATION BELOW THE SLAB LEVEL REQUIRED FOR PITS SHALL BE RETAINED BY LOCALIZED SOIL RETENTION SYSTEMS, AS MAY BE NECESSARY, BASED ON THE CONTRACTOR'S DESIGN USING APPROPRIATE EARTH AND HYDRAULIC PRESSURES AS INDICATED IN THE GEOTECHNICAL EXPLORATION REPORT, AND OTHER LOADS.

11. THE CONTRACTOR SHALL PROVIDE POSITIVE PROTECTION (MAT/SHEET COVERINGS) FOR ALL EXCAVATION SLOPES TO PROTECT SLOPES FROM INSTABILITY AND DETERIORATION DUE TO RAIN, WIND, SNOW, OR ICE.

12. THE CONTRACTOR SHALL PROVIDE SURFACE DRAINAGE CHANNELS AND SUMPS AND SUMP PUMPS TO PROTECT ALL EXCAVATIONS FROM FLOODING. FLOODING OF ANY EXCAVATION AFTER GRADE OF ANY SUBGRADE WILL BE CAUSE FOR COMPLETE REMOVAL OF CONCRETE MUD SLABS AND THE COMPLETE REPREPARATION AND APPROVAL OF THE SUBGRADE.

13. AFTER COMPLETION OF THE FULL LENGTH OF THE PERIMETER SOIL RETENTION SYSTEM, THE SITE SHALL BE DEWATERED, AS REQUIRED, BEFORE (OR AS) THE EXCAVATION PROCEEDS. THE CONTRACTOR SHALL PROVIDE ALL CONSTRUCTION AND EQUIPMENT FOR THE DEWATERING SYSTEM INCLUDING, BUT NOT LIMITED TO, TRENCHES, SUMPS, DEWATERING WELLS, SUMP PUMPS, OBSERVATION WELLS, PUMPING SYSTEM, DISPOSAL LOCATION, SETTLING BASINS, MAINTENANCE AND EMERGENCY BACK-UP EQUIPMENT, ETC. THE DEWATERING SYSTEM SHALL MAINTAIN THE WATER LEVEL A MINIMUM OF 3 FEET BELOW THE DEEPEST FOUNDATION SUBGRADE AT ALL TIMES. THE DEWATERING SYSTEM SHALL BE MAINTAINED UNTIL ALL LOWER LEVEL AND GROUND LEVEL SLABS, PERIMETER WALLS AND WATERPROOFING ARE INSTALLED AND THE PERMANENT BUILDING DRAINAGE SYSTEM IS FULLY OPERATIONAL.

14. THE OWNER'S SOIL TESTING LABORATORY SHALL REVIEW AND CONTINUOUSLY MONITOR THE EXCAVATION, DEWATERING AND SOIL RETENTION SYSTEMS. THE CONTRACTOR SHALL INSTALL AND CONTINUOUSLY SURVEY:
a. VERTICAL AND HORIZONTAL MOVEMENTS OF THE TOP OF THE SOIL RETENTION SYSTEM.
b. BENCH MARKS ADJACENT TO AND AWAY FROM THE SITE PERIMETER FOR VERTICAL AND HORIZONTAL MOVEMENTS; AND
c. OBSERVATION WELLS FOR MONITORING WATER LEVELS BELOW GROUND SURFACE.

15. SEE "GENERAL FOUNDATION NOTES" FOR ADDITIONAL INFORMATION.

GENERAL FOUNDATION NOTES:

1. A GEOTECHNICAL EXPLORATION REPORT, CONTAINING SOIL BORING DATA, HAS BEEN PREPARED BY:

CGC, INC.
2921 PERRY STREET
MADISON, WI 53713
CGC REPORT # C16051-14 DATED JUNE 2, 2017.

THIS REPORT IS AVAILABLE FROM THE OWNER. THE SOILS CONDITIONS DESCRIBED IN THE REPORT ARE PROVIDED FOR INFORMATION ONLY AND ARE NOT WARRANTED BY THE OWNER AS ACCURATE OR REPRESENTATIVE OF ALL SOIL CONDITIONS TO BE ENCOUNTERED IN THE WORK. THE REQUIREMENTS, RECOMMENDATIONS, AND OTHER CONDITIONS OF THE GEOTECHNICAL REPORT ARE HEREBY MADE REQUIREMENTS OF THE CONTRACT DOCUMENTS.

2. ALL SOIL SUPPORTED FOOTINGS SHALL BE FOUNDED UPON UNDISTURBED, NATURAL SUBGRADE WITH A MINIMUM ALLOWABLE BEARING CAPACITY OF 30 KSF AS INDICATED ON THE DRAWINGS. THE BOTTOM OF FOOTING ELEVATIONS AND SOIL BEARING CAPACITIES INDICATED ON THE DRAWINGS ARE ESTIMATED FROM THE SOIL BORING DATA. IT IS THE INTENT OF THE CONTRACT DOCUMENTS THAT THE FOUNDATIONS TO BE BUILT AT THE ELEVATIONS INDICATED. SHOULD UNSUITABLE SOIL OR FILL BE ENCOUNTERED AT THE NOTED BEARING ELEVATIONS, THEN ALL SUCH UNSUITABLE SOIL SHALL BE REMOVED AND REPLACED WITH ENGINEERED FILL MATERIAL, PLACED AND COMPACTED AS SPECIFIED AND AS RECOMMENDED IN THE GEOTECHNICAL REPORT. REFER TO THE GEOTECHNICAL REPORT FOR AN ESTIMATE OF THE AMOUNT OF UNDERMINING REQUIRED. THE OWNER'S SOILS TESTING LABORATORY SHALL DETERMINE WHETHER SUCH SOILS ARE SATISFACTORY OR REQUIRE REPLACEMENT. FINAL EXACT BEARING ELEVATIONS SHALL BE FIELD DETERMINED AND SOIL BEARING CAPACITIES VERIFIED BY THE OWNER'S SOILS TESTING LABORATORY DURING CONSTRUCTION.

3. ALL FOOTING SUBGRADES TO BE PROTECTED FROM DISTURBANCE BY PLACING A 4 INCH THICK LEAN MIX CONCRETE LAYER IMMEDIATELY AFTER EXCAVATION.

4. ALL ORGANIC AND/OR OTHER UNSUITABLE MATERIALS SHALL BE REMOVED FROM FOUNDATION AND SLAB SUBGRADES AND BACKFILL AREAS, AND THEN BACKFILLED WITH ACCEPTABLE GRANULAR FILL COMPACTED TO 95 PERCENT OF MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT (ASTM D1557).

5. THE SOIL SUBGRADE FOR ALL FOOTINGS AND SLABS SHALL BE INSPECTED AND APPROVED BY THE OWNER'S TESTING LABORATORY IMMEDIATELY PRIOR TO PLACING FOUNDATION CONCRETE OR CONCRETE MUD SLABS.

6. ALL FOOTING SUBGRADES, AS REQUIRED BY THE OWNER'S SOILS TESTING LABORATORY, AND THE UPPER 12 INCHES OF ALL SLAB SUBGRADES, INCLUDING PIT SLABS, SHALL BE COMPACTED TO 95 PERCENT OF MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT (ASTM D1557). ALL BACKFILL AROUND AND ABOVE ALL FOUNDATION ELEMENTS, INCLUDING FOOTINGS, GRADE BEAMS, WALLS AND PITS SHALL BE PLACED IN LAYERS NOT EXCEEDING 12 INCHES IN THICKNESS AND SHALL BE COMPACTED TO 90 PERCENT OF THE MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT (ASTM D1557) TO WITHIN 12 INCHES OF THE SLAB SUBGRADE.

7. DO NOT BACKFILL AGAINST BASEMENT WALLS UNTIL THE GROUND FLOOR AND LOWER LEVEL SLABS HAVE BEEN PLACED AND THE SLAB CONCRETE HAS ATTAINED ITS SPECIFIED 28-DAY COMPRESSIVE STRENGTH.

8. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY MEASURES TO PREVENT ANY WATER, FROST, OR ICE FROM PENETRATING ANY FOOTING OR STRUCTURAL SLAB SUBGRADE BEFORE AND AFTER PLACING OF CONCRETE AND UNTIL SUCH SUBGRADES ARE FULLY PROTECTED BY THE PERMANENT BUILDING STRUCTURE.

9. NO MUD SLABS, FOOTINGS OR STRUCTURAL SLABS SHALL BE PLACED INTO OR AGAINST SUBGRADES CONTAINING FREE WATER, FROST, OR ICE. SHOULD WATER OR FROST ENTER A FOOTING, MUD SLAB OR STRUCTURAL SLAB EXCAVATION, AFTER SUBGRADE APPROVAL, THE SUBGRADE SHALL BE REINSPECTED BY THE OWNER'S SOILS TESTING LABORATORY AFTER REMOVAL OF WATER, FROST, OR ICE.

10. ALL EXCAVATIONS, REINFORCEMENT, AND MUD SLABS (WHERE APPLICABLE), SHALL BE THOROUGHLY CLEANED IMMEDIATELY PRIOR TO CONCRETE PLACEMENT.

11. THE CONCRETE FOR EACH ISOLATED FOOTING SHALL BE PLACED IN ONE (1) CONTINUOUS POUR.

12. ALL SLABS-ON-GRADE SHALL BE PLACED OVER A CONTINUOUS VAPOR RETARDER OVER A MINIMUM OF 12 INCHES OF GRANULAR MATERIAL COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE CONTENT (ASTM D1557), OVER A NON-WOVEN GEOTEXTILE FABRIC, OVER A MINIMUM OF 12 INCHES OF COMPACTED ¾" NOMINAL DIAMETER CRUSHED STONE, OVER A WOVEN GEOTEXTILE FABRIC WHICH IS PLACED OVER A COMPACTED SOIL SUBGRADE.

13. ALL PERIMETER WALL AND COLUMN FOOTINGS SHALL BEAR A MINIMUM OF 3'-6" BELOW THE FINISHED GRADES INDICATED ON THE CIVIL DRAWINGS.

14. PROVIDE WATERPROOFING WITH DRAINAGE MAT AT OUTSIDE FACE OF ALL FOUNDATION WALLS AND OUTSIDE FACE OF EARTH RETENTION SYSTEM. CONNECT DRAINAGE MATS TO UNDERSLAB DRAINAGE AND SUMP PUMP SYSTEMS. SEE ARCHITECTURAL AND PLUMBING FOR DETAILS.

15. SEE PLUMBING AND CIVIL DRAWINGS FOR UNDER FLOOR AND PERIMETER WALL DRAINAGE SYSTEMS, AND SPECIAL GRANULAR FILL MATERIALS FOR SUCH DRAINAGE SYSTEMS.

16. SEE ARCHITECTURAL DRAWINGS FOR ALL WATERPROOFING AND DAMP PROOFING DETAILS.

STRUCTURAL CONCRETE NOTES:

A. GENERAL

1. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS SHOWING THE LOCATIONS OF ALL CONSTRUCTION JOINTS, CONTROL JOINTS, CURBS, SLAB DEPRESSIONS, SLEEVES, OPENINGS, ETC.

2. CONCRETE SLABS AND WALLS SHALL NOT BE SLEEVED OR BOXED OUT OR HAVE THE REINFORCING INTERRUPTED, EXCEPT AS INDICATED ON THE STRUCTURAL DRAWINGS. ADDITIONAL SLEEVES OR BOX-OUTS MAY BE REQUIRED FOR ARCHITECTURAL, HVAC, ELECTRICAL, OR MECHANICAL ELEMENTS. A COORDINATED COMPOSITE DRAWING INDICATING ALL SLEEVES AND BOX-OUTS REQUIRED FOR THE WORK OF ALL DISCIPLINES SHALL BE SUBMITTED TO THE ARCHITECT/ STRUCTURAL ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION. A COMPOSITE DRAWING SHALL BE SUBMITTED FOR EACH SLAB AND/OR WALL AND THE SIZE AND DIMENSIONED LOCATION OF ALL SLEEVES, BOX-OUTS, CORES, ETC. SHALL BE INDICATED.

3. CONCRETE BEAMS SHALL NOT BE SLEEVED OR BOXED-OUT OR HAVE THE REINFORCING INTERRUPTED, EXCEPT AS INDICATED ON THE STRUCTURAL DRAWINGS.

4. FORMWORK FOR ARCHITECTURALLY EXPOSED CONCRETE SHALL BE SMOOTH TO PROVIDE A FINISH ACCEPTABLE TO THE ARCHITECT. ANY FINS OR MARKS SHALL BE RUBBED SMOOTH. REFER TO ARCHITECTURAL DRAWINGS FOR ALL REVEALS IN EXPOSED CONCRETE.

5. MINIMUM SLAB-ON-GRADE THICKNESSES SHALL BE 5" FOR SIDEWALKS, 8" FOR AUTOMOBILE TRAFFIC AREAS, AND 10" FOR TRUCK TRAFFIC AREAS, UNLESS NOTED OTHERWISE ON THE DRAWINGS.

7. SEE "SPECIAL CONCRETE NOTES FOR PARKING LEVELS, GARAGES, AND OTHER VEHICULAR AREAS", FOR ADDITIONAL REQUIREMENTS.

B. CONCRETE

1. ALL CAST-IN-PLACE CONCRETE SHALL BE OF THE TYPES AND HAVING MINIMUM, 28-DAY COMPRESSIVE STRENGTHS AS INDICATED IN THE CONCRETE MATERIALS SCHEDULE ON THIS SHEET.

2. ALL CONCRETE SLABS AND WALLS SHALL CONSIST OF A LOW SHRINKAGE MIX DESIGN, WITH AN ULTIMATE SHRINKAGE STRAIN NOT EXCEEDING 300X10^-6 IN/IN IN 28 DAYS AS DETERMINED BY ASTM C157. SUBMIT RELEVANT TEST DATA CONFIRMING CONCRETE MIX SHRINKAGE PROPERTIES. A SHRINKAGE REDUCING ADMIXTURE AND/OR MACRO SYNTHETIC FIBERS ARE ACCEPTABLE FOR USE IN MEETING SHRINKAGE CRITERIA.

2. ALL CONCRETE SHALL CONTAIN A SPECIFIED WATER REDUCING, PLASTICIZING ADMIXTURE. A SPECIFIED, HIGH-RANGE, WATER REDUCING ADMIXTURES MAY BE UTILIZED AT THE CONTRACTOR'S OPTION. ALL CONCRETE PERMANENTLY EXPOSED TO THE WEATHER SHALL ALSO CONTAIN A SPECIFIED AIR-ENTRAINING ADMIXTURE TO PROVIDE PERCENTAGE OF AIR REQUIRED FOR EXPOSURE CATEGORY F, CLASS F3, PER ACI 318.

3. NO CALCIUM CHLORIDE SHALL BE USED IN ANY CONCRETE.

C. REINFORCING

1. ALL REINFORCING BARS SHALL BE NEW BILLET STEEL CONFORMING TO THE STANDARDS OF ASTM A615, GRADE 60. REINFORCING BARS TO BE WELDED SHALL BE ASTM A706.

2. REINFORCING IN THE FOLLOWING AREAS SHALL BE EPOXY COATED AND SHALL CONFORM TO THE STANDARDS OF ASTM A775.

a. DOCK, RAMP, AND PARKING STRUCTURE REINFORCEMENT (SLABS, BEAMS, WALLS, COLUMNS);
b. TOWER PERIMETER BEAM, SLAB, AND COLUMN REINFORCEMENT ALONG FACES PERMANENTLY EXPOSED TO WEATHER, INCLUDING COLUMN TIES AND BEAM STIRRUPS.

3. ALL WELDED WIRE REINFORCEMENT (W.W.R.) SHALL CONFORM TO THE STANDARDS OF ASTM A185. EPOXY COATED W.W.R. SHALL CONFORM TO THE STANDARDS OF ASTM A884. CLASS A.

4. ALL HEADED SHEAR STUD REINFORCEMENT SHALL CONFORM TO THE STANDARDS OF ASTM A1044.

5. ALL CONCRETE REINFORCEMENT SHALL BE DETAILED, FABRICATED, LABELED, SUPPORTED, SPACED IN FORMS, AND SECURED IN PLACE IN ACCORDANCE WITH THE PROCEDURES AND REQUIREMENTS OUTLINED IN THE LATEST EDITION OF THE "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE ", ACI 318, AND THE "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES", ACI 315.

6. THE CONTRACTOR SHALL SUBMIT CHECKED SHOP DRAWINGS SHOWING REINFORCING DETAILS, INCLUDING STEEL SIZES, SPACING, PLACEMENT AND SUPPORT DETAILS AND DOWELS AT EXPANSION JOINTS FOR REVIEW PRIOR TO FABRICATION.

7. ALL REINFORCING SPLICES SHALL CONFORM TO THE REQUIREMENTS OF ACI 318, "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE", LATEST EDITION, UNLESS NOTED OTHERWISE.

8. ALL WELDED WIRE REINFORCEMENT SHALL BE LAPPED TWO (2) FULL MESH PANELS AND TIED SECURELY.

9. WHERE REQUIRED, DOWELS SHALL MATCH THE SIZE AND NUMBER OF MAIN REINFORCING, UNLESS NOTED OTHERWISE.

10. ALL WALLS AND STRUCTURAL SLABS SHALL BE REINFORCED WITH AT LEAST No. 4 BARS AT 12 INCHES ON CENTER EACH WAY, EACH FACE, UNLESS NOTED OTHERWISE. ALL SLABS-ON-GRADE SHALL BE REINFORCED WITH AT LEAST ONE (1) LAYER OF 6x6-W2.9xW2.9 W.W.R., UNLESS NOTED OTHERWISE. PROVIDE ONE (1) LAYER OF 6x6-W1.4xW1.4 W.W.R. TOP CONTINUOUS IN ALL CONCRETE FILLS ABOVE STRUCTURAL SLABS. ALL MECHANICAL, PLUMBING AND ELECTRICAL EQUIPMENT PADS SHALL BE REINFORCED WITH AT LEAST ONE (1) LAYER OF 6x6-W4.0xW4.0 W.W.R. TOP CONTINUOUS, UNLESS NOTED OTHERWISE (SEE HVAC, PLUMBING AND ELECTRICAL DRAWINGS FOR ADDITIONAL REINFORCING REQUIREMENTS FOR PADS.)

11. PROVIDE A MINIMUM OF ONE (1) LAYER OF 4x4-W2.9xW2.9 EPOXY COATED W.W.R. FOR ALL SIDEWALKS, UNLESS NOTED OTHERWISE.

12. PROVIDE A MINIMUM OF ONE (1) LAYER OF 4x4-W6.0xW6.0 EPOXY COATED W.W.R. FOR ALL AUTOMOBILE TRAFFIC AREAS, UNLESS NOTED OTHERWISE.

13. PROVIDE A MINIMUM OF ONE (1) LAYER OF EPOXY COATED No. 4 BARS 12 INCHES ON CENTER, EACH WAY, FOR ALL TRUCK TRAFFIC AREAS, UNLESS NOTED OTHERWISE.

14. ADDITIONAL BARS SHALL BE PROVIDED AROUND ALL FLOOR AND WALL OPENINGS, AS INDICATED ON DETAILS.

15. BAR SUPPORTS IN CONTACT WITH EXPOSED SURFACES SHALL BE PLASTIC TIPPED.

16. IN NON-PRESTRESSED CAST-IN-PLACE CONCRETE, THE SPECIFIED CONCRETE COVER FOR REINFORCEMENT SHALL NOT BE LESS THAN THE FOLLOWING, UNLESS LARGER COVER IS NOTED ELSEWHERE:

a. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3 IN.

b. CONCRETE EXPOSED TO EARTH OR WEATHER:
No. 6 THROUGH No. 18 BARS 2 IN.
No. 5 BAR, W31, OR D31 WIRE AND SMALLER 1-1/2 IN.

c. CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND:
SLABS, WALLS, JOISTS:
No. 14 AND No. 18 BARS 1-1/2 IN.
No. 11 BAR AND SMALLER 3/4 IN.
BEAMS, COLUMNS:
PRIMARY REINFORCEMENT 1-1/2 IN.
TIES, STIRRUPS, SPIRALS 1 IN.

d. CONCRETE FOUNDATION WALLS: 1 1/2"

D. CONSTRUCTION JOINTS

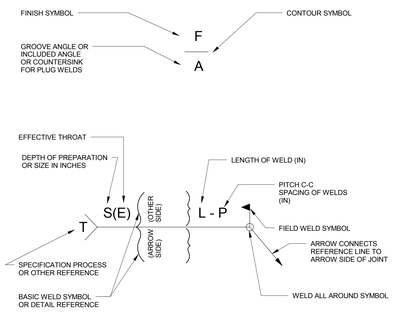
1. CONSTRUCTION JOINTS IN ALL WALLS, ELEVATED SLABS AND BEAMS SHALL NOT BE FURTHER APART THAN 130 FEET IN ANY DIRECTION.

2. ALL CONSTRUCTION JOINTS SHALL BE WIRE BRUSHED, CLEANED AND MOISTENED IMMEDIATELY PRIOR TO PLACING NEW CONCRETE.

3. PLACE ALL SLABS-ON-GRADE IN STRIP POURS OF 90'-0" MAXIMUM WIDTH WITH A MINIMUM OF 24 HOURS BETWEEN ADJACENT POURS. STRIP POURED SLABS SHALL HAVE SAW CUT CONTROL JOINTS SPACED AT 36 TIMES THE SLAB TH

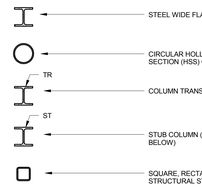
WELDED JOINT STANDARD SYMBOLS

BASIC WELD SYMBOLS					
BACK	FILLET	PLUG OR SLOT	GROOVE OR BUTT		
			SQUARE	V	BEVEL
SUPPLEMENTARY WELD SYMBOLS					
BACKING	WELD ALL AROUND	FIELD WELD	CONTOUR		
			FLUSH	CONVEX	

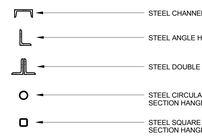


STEEL FRAMING SYMBOLS

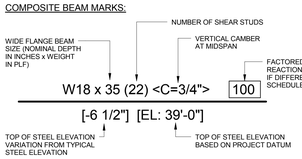
COLUMN MARKS:



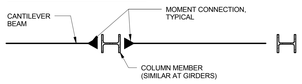
HANGER MARKS:



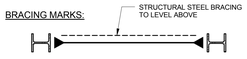
COMPOSITE BEAM MARKS:



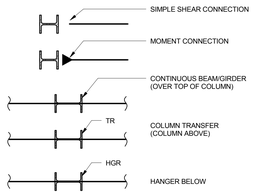
CANTILEVER FRAMING MARKS:



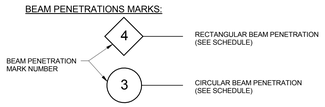
BRACING MARKS:



BEAM AND GIRDER CONNECTIONS:



BEAM PENETRATIONS MARKS:



STEEL FRAMING NOTATION

MEMBER NOTATIONS:

WIDE FLANGE BEAM SECTIONS

W 14 x 455

WIDE FLANGE — NOMINAL DEPTH IN INCHES — SECTION WEIGHT IN POUNDS PER LINEAR FOOT

ANGLE SECTIONS

L 6 x 4 x 1/2

SECTION TYPE — LENGTH OF LONG LEG (INCHES) — THICKNESS (INCHES) — LENGTH OF SHORT LEG (INCHES)

BACK TO BACK ANGLES FOR EQUAL LEG ANGLES

2L 6 x 4 x 1/2

SECTION TYPE — THICKNESS (INCHES) — LENGTH OF LEG (INCHES)

BACK TO BACK TEES

2 WT 8 x 50

SECTION TYPE — STRUCTURAL TEE CUT FROM WIDE FLANGE SHAPE — SECTION WEIGHT IN POUNDS PER LINEAR FOOT — NOMINAL DEPTH (INCHES)

HOLLOW STRUCTURAL SECTIONS (CIRCULAR)

HSS 10.00 x 0.500

HOLLOW STRUCTURAL SECTION — THICKNESS (INCHES) — NOMINAL DIAMETER (INCHES)

HOLLOW STRUCTURAL SECTIONS (RECTANGULAR)

HSS 10 x 4 x 1/2

HOLLOW STRUCTURAL SECTION — THICKNESS (INCHES) — WIDTH (INCHES) — DEPTH (INCHES)

HOLLOW STRUCTURAL SECTIONS (SQUARE)

HSS 10 x 10 x 1/2

HOLLOW STRUCTURAL SECTION — THICKNESS (INCHES) — WIDTH (INCHES)

BUILT-UP GIRDERS, BEAMS AND COLUMNS

BU - XXX - XXX - XXX - XXX

WEB THICKNESS (IN) — FLANGE THICKNESS (IN) — FLANGE WIDTH (IN) — OUT-TO-OUT DEPTH (IN)

METAL DECK SLAB MARKS

CS1 — COMPOSITE STEEL DECK SLAB (SEE SCHEDULE)

RS1 — REINFORCED STEEL DECK SLAB (SEE SCHEDULE)

RD1 — NON-COMPOSITE STEEL ROOF DECK (SEE SCHEDULE)

CONCRETE FRAMING NOTATION

S1 — REINFORCED CONCRETE ONE-WAY SLAB (SEE SCHEDULE)

TWO-WAY REINFORCED CONCRETE SLAB (FLAT PLATE OR FLAT SLAB)

INDICATES P.T. TENDON STRESSING END ANCHOR

INDICATES P.T. TENDON DEAD END ANCHOR

INDICATES P.T. TENDON INTERMEDIATE STRESSING ANCHOR

SYMBOL SCHEDULE

LINES

CENTERLINE

HIDDEN OUTLINE

NOTES

DIMENSION LINE

COLUMN REFERENCE SYMBOL

A — GRIDLINE DESIGNATION (NUMBER OR LETTER)

SECTION REFERENCE SYMBOLS

4 / S-107 — SECTION DESIGNATION (NUMBER OR LETTER); SHEET NUMBER (S-107)

1 — SECTION DESIGNATION ON SAME SHEET (NUMBER OR LETTER)

DETAIL REFERENCE SYMBOLS

B / S-205 — DETAIL DESIGNATION (NUMBER OR LETTER); SHEET NUMBER (S-205)

2 — DETAIL DESIGNATION ON SAME SHEET (NUMBER OR LETTER)

GENERAL ELEVATION SYMBOLS

T/SLAB EL. +16'-6" — DEFINITION; ELEVATION (IN FEET, BRD UNO)

EL. +15'-6" — SPOT ELEVATION (IN FEET, BRD UNO)

W.P. — WORK POINT

MISCELLANEOUS SYMBOLS

REINFORCING BAR MECHANICAL COUPLER WELDED TO STRUCTURAL STEEL

STEEL DECK

WELDED WIRE REINFORCEMENT

CHANGE IN ELEVATION

EPOXY ANCHORED DOWEL

EXPANSION ANCHOR

B1 [+6] — UPTURNED RC BEAM B1 WITH TOP OF BEAM 6 INCHES ABOVE SLAB LEVEL

%	PERCENT
#	NUMBER
&	AND
@	AT
>	GREATER THAN
<	LESS THAN
ACI	AMERICAN CONCRETE INSTITUTE
ADD'L	ADDITIONAL
ADJ.	ADJACENT
AESS	ARCHITECTURALLY EXPOSED STRUCTURAL STEEL
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
ALT.	ALTERNATE
APPROX.	APPROXIMATE, APPROXIMATELY
ARCH.	ARCHITECT, ARCHITECTURALLY, ARCHITECTURAL
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS
ASD	ALLOWABLE STRESS DESIGN
ASTM	AMERICAN SOCIETY OF TESTING MATERIALS
AVG.	AVERAGE
AWG	AMERICAN WIRE GAUGE
AWS	AMERICAN WELDING SOCIETY
B/	BOTTOM OF
BLDG.	BUILDING
BM.	BEAM
BOT.	BOTTOM
BS	BRITISH STANDARD
B/S	BOTTOM OF STEEL
B.S.	BOTH SIDES
BU	BUILT-UP
BW	BOTH WAYS
°C	CELSIUS (DEGREES)
CALC.	CALCULATIONS
C-C	CENTER TO CENTER
C-F	CENTER TO FACE
CGS	CENTER OF GRAVITY OF STRAND
CHAN.	CHANNEL
CIP	CAST-IN-PLACE
CIR.	CIRCULAR
CJ	CONSTRUCTION JOINT, CONTROL JOINT
CJP	COMPLETE JOINT PENETRATION
CL	CENTERLINE
CLR.	CLEAR
cm	CENTIMETER
CMU	CONCRETE MASONRY UNIT
COL.	COLUMN
COMP.	COMPOSITE
CONC.	CONCRETE
CONN.	CONNECTION
CONST.	CONSTRUCTION
CONT.	CONTINUOUS
CONTR.	CONTRACTOR
CS	COMPOSITE STEEL DECK SLAB
C.S.	COLUMN STRIP
CU. FT.	CUBIC FEET
CU. IN.	CUBIC INCH
CU. YD.	CUBIC YARD
DBL.	DOUBLE
DEG.	DEGREE
DET.	DETAIL
DEV.	DEVELOP, DEVELOPMENT
DIA. OR Ø	DIAMETER
DIAG.	DIAGONAL
DIM.	DIMENSION, DIMENSIONAL
DIST.	DISTANCE
DL	DEAD LOAD
DN.	DOWN
DWG.	DRAWING
DWL.	DOWEL, STARTER BAR
EA.	EACH
EF	EACH FACE
EJ	EXPANSION JOINT
EL.	ELEVATION
ELEC.	ELECTRICAL
ELEV.	ELEVATOR
EOR	ENGINEER OF RECORD
EOS	EDGE OF SLAB
EQ.	EQUAL
EQUIP.	EQUIPMENT
EW	EACH WAY
EWEF	EACH WAY EACH FACE
E-W	EAST-WEST
EXIST.	EXISTING
EXP.	EXPANSION
EXT.	EXTERIOR
°F	FAHRENHEIT (DEGREES)
FF	FAR FACE
F-F	FACE TO FACE
FIN.	FINISH
FIN. DIM.	FINISH DIMENSION
FIN. FLR.	FINISH FLOOR
FIN. GRD.	FINISH GRADE
FLG.	FLANGE
FLR.	FLOOR
FND.	FOUNDATION
FT.	FOOT, FEET
FTG.	FOOTING
GA.	GAUGE, GAGE
GALV.	GALVANIZED
GR.	GRADE
GRND.	GROUND
HGR.	HANGER
HORIZ.	HORIZONTAL
H + P	HALVORSON AND PARTNERS
H.P.	HIGH POINT
HSFG	HIGH STRENGTH FRICTION GRIP
HSS	HOLLOW STRUCTURAL SECTION (STRUCTURAL STEEL)
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
IN.	INCH, INCHES
INCL.	INCLUDED, INCLUDING, INCLUSIVE
INFO.	INFORMATION
INSUL.	INSULATION
INT.	INTERIOR
JST.	JOIST
JT.	JOINT
kg	KILOGRAM
km	KILOMETER
kN	KILONEWTON
kPa	KILOPASCAL (kN/m2)
K	KIPS (1000 POUNDS)
KLF	KIPS PER LINEAL FOOT
KSF	KIPS PER SQUARE FOOT
KSI	KIPS PER SQUARE INCH
L	ANGLE (STRUCTURAL STEEL)
2L	DOUBLE ANGLE (STRUCTURAL STEEL)
LBS.	POUNDS
LENG.	LENGTH
LEV.	LEVEL
LF	LINEAL FOOT, LINEAL FEET
LH	LEFT HAND
LL	LIVE LOAD
LLBB	LONG LEG BACK TO BACK
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LOC.	LOCATION
LONG.	LONGITUDINAL
L_P	LOW POINT
LRFD	LOAD AND RESISTANCE FACTOR DESIGN
LSH	LONG SIDE HORIZONTAL
LSV	LONG SIDE VERTICAL
LTWT.	LIGHT WEIGHT
M	METER
M^2	SQUARE METERS
M^3	CUBIC METERS
MAX.	MAXIMUM
MECH.	MECHANICAL
MEP	MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION
MEZZ.	MEZZANINE
MFR.	MANUFACTURER
MID.	MIDDLE
MIN.	MINIMUM
MISC.	MISCELLANEOUS
mm	MILLIMETER
mm^2	SQUARE MILLIMETERS
mm^3	CUBIC MILLIMETERS
MPa	MEGAPASCAL (N/mm2)
M.S.	MIDDLE STRIP
N	NEWTON
N/A	NOT APPLICABLE
NET.WT.	NET WEIGHT
NF	NEAR FACE
NIC	NOT IN CONTRACT
NW	NORMAL WEIGHT
NO.	NUMBER
NOM.	NOMINAL
N-S	NORTH-SOUTH
NTS	NOT TO SCALE
O.C.	ON CENTER
OD	OUTSIDE DIAMETER
OH	OPPOSITE HAND
OPNG.	OPENING
OPP.	OPPOSITE
Pa	PASCAL
PART.	PARTITION
PCC	PRECAST CONCRETE
P.D.	PROJECT DATUM
PERP.	PERPENDICULAR
PJP	PARTIAL JOINT PENETRATION
PL	PLATE
PLF	POUNDS PER LINEAL FOOT
PLUMB.	PLUMBING
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
P.T.	POST-TENSION
PT.	POINT
QTY.	QUANTITY
RAD.	RADIUS
RC	REINFORCED CONCRETE
RD	NON-COMPOSITE STEEL ROOF DECK
REF.	REFERENCE
REINF.	REINFORCE, REINFORCING, REINFORCED, REINFORCEMENT
REQD.	REQUIRED
REV.	REVISION, REVISED
RH	RIGHT HAND
RS	REINFORCED STEEL DECK SLAB
SC	SLIP CRITICAL
SCHED.	SCHEDULE, SCHEDULED
SDI	STEEL DECK INSTITUTE
SDL	SUPERIMPOSED DEAD LOAD
SECT.	SECTION
SHT.	SHEET
SIM.	SIMILAR
SJI	STEEL JOIST INSTITUTE
SLBB	SHORT LEG BACK TO BACK
SPEC.	SPECIFICATION
SQ. FT.	SQUARE FOOT, SQUARE FEET
SS	STAINLESS STEEL
SSE	SPECIALTY STRUCTURAL ENGINEER
ST	STUB COLUMN
STD	STANDARD
STIFF.	STIFFENER
STL.	STEEL
STL. PL.	STEEL PLATE
STR. STL.	STRUCTURAL STEEL
STRUCT.	STRUCTURE, STRUCTURAL
SYM.	SYMMETRICAL
T/	TOP OF
T&B	TOP AND BOTTOM
TEMP.	TEMPERATURE, TEMPORARY
THRD.	THREAD, THREADED
TR	COLUMN TRANSFER
T/S	TOP OF STEEL
TYP.	TYPICAL
UB	STRUCTURAL STEEL UNIVERSAL BEAM
UC	STRUCTURAL STEEL UNIVERSAL COLUMN
UL	UNDERWRITERS LABORATORY
U.N.O.	UNLESS NOTED OTHERWISE
VERT.	VERTICAL
VIF	VERIFY IN FIELD
W	AISC SPECIFIED WIDE FLANGE
W/	WITH
WF	STRUCTURAL STEEL WIDE FLANGE
W/O	WITHOUT
WP	WORK POINT
WT	STRUCTURAL TEE (CUT FROM STEEL WIDE FLANGE SHAPE)
WWR	WELDED WIRE REINFORCEMENT

FOR REFERENCE ONLY

General Notes

No.	Description	Date
6	BID DOCUMENTS	09/07/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

GENERAL SYMBOLS, NOTATIONS AND ABBREVIATIONS

Drawn	Date
RT	9/6/2017 12:15:41 PM
Checked By	Drawing Number
JS	S-002.0
Approved	
RH	
Job Number	
B1605877	

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8/8/2017 12:15:41 PM

TENSION DEVELOPMENT LENGTH (in)

BAR SIZE	BAR DIA (in)	f'c = 4000 psi				f'c = 5000 psi				f'c = 6000 psi				f'c = 7000 psi				f'c = 8000 psi				f'c = 9000 psi				f'c = >10000 psi			
		TOP BARS		OTHER BARS		TOP BARS		OTHER BARS		TOP BARS		OTHER BARS		TOP BARS		OTHER BARS		TOP BARS		OTHER BARS		TOP BARS		OTHER BARS		TOP BARS		OTHER BARS	
		CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2
#3	0.375	19	28	15	22	17	25	13	19	15	23	12	18	14	21	12	16	13	20	12	15	13	19	12	15	12	18	12	14
#4	0.500	25	37	19	29	22	33	17	26	20	31	16	24	19	28	15	22	18	27	14	20	17	25	13	19	16	24	12	18
#5	0.625	31	47	24	36	28	42	22	32	26	38	20	29	24	35	18	27	22	33	17	26	21	31	16	24	20	30	15	23
#6	0.750	37	56	29	43	33	50	26	39	31	46	24	35	28	42	22	33	27	40	20	31	25	37	19	29	24	35	18	27
#7	0.875	54	81	42	63	49	73	37	56	44	66	34	51	41	62	32	47	39	58	30	44	36	54	28	42	34	52	27	40
#8	1.000	62	93	48	72	55	83	43	64	51	76	39	58	47	70	36	54	44	66	34	51	41	62	32	48	39	59	30	45
#9	1.128	70	105	54	81	63	94	48	72	57	86	44	66	53	79	41	61	50	74	38	57	47	70	36	54	44	66	34	51
#10	1.270	79	118	61	91	70	105	54	81	64	96	50	74	59	89	46	69	56	83	43	64	53	79	41	61	50	75	38	58
#11	1.410	87	131	67	101	78	117	60	90	71	107	55	82	66	99	51	76	62	93	48	71	58	87	45	67	55	83	43	64
#14	1.693	105	157	81	121	94	140	72	108	86	128	66	99	79	119	61	91	74	111	57	86	70	105	54	81	66	99	51	77
#18	2.257	139	209	107	161	125	187	96	144	114	171	88	131	106	158	81	122	99	148	76	114	93	139	72	107	88	132	68	102

TENSION LAP CLASS		
As PROVIDED (*) / As REQUIRED	MAXIMUM PERCENT OF As SPLICED WITHIN REQUIRED LAP LENGTH	
	50	100
EQUAL TO OR GREATER THAN 2	CLASS A	CLASS B
LESS THAN 2	CLASS B	CLASS B

(*) RATIO OF AREA OR REINFORCEMENT PROVIDED TO AREA OF REINFORCEMENT REQUIRED BY ANALYSIS AT SPLICE LOCATIONS.

TENSION LAP SPLICE LENGTHS (in)

BAR SIZE	BAR DIA (in)	LAP CLASS	f'c = 4000 psi				f'c = 5000 psi				f'c = 6000 psi				f'c = 7000 psi				f'c = 8000 psi				f'c = 9000 psi				f'c = >10000 psi			
			TOP BARS		OTHER BARS		TOP BARS		OTHER BARS		TOP BARS		OTHER BARS		TOP BARS		OTHER BARS		TOP BARS		OTHER BARS		TOP BARS		OTHER BARS		TOP BARS		OTHER BARS	
			CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2
#3	0.375	A	19	28	15	22	17	25	13	19	15	23	12	18	14	21	12	16	13	20	12	15	13	19	12	15	12	18	12	14
		B	24	36	19	28	22	33	17	25	20	30	16	23	19	28	14	21	17	26	13	20	16	24	13	19	16	23	12	18
#4	0.500	A	25	37	19	29	22	33	17	26	20	31	16	24	19	28	15	22	18	27	14	20	17	25	13	19	16	24	12	18
		B	32	48	25	37	29	43	22	33	27	40	20	31	25	37	19	28	23	34	18	26	22	32	17	25	21	31	16	24
#5	0.625	A	31	47	24	36	28	42	22	32	26	38	20	29	24	35	18	27	22	33	17	26	21	31	16	24	20	30	15	23
		B	40	60	31	47	36	54	28	42	33	49	26	38	31	46	24	35	29	43	22	33	27	40	21	31	26	38	20	30
#6	0.750	A	37	56	29	43	33	50	26	39	31	46	24	35	28	42	22	33	27	40	20	31	25	37	19	29	24	35	18	27
		B	48	72	37	56	43	65	33	50	40	59	31	46	37	55	28	42	34	51	27	40	32	48	25	37	31	46	24	35
#7	0.875	A	54	81	42	63	49	73	37	56	44	66	34	51	41	62	32	47	39	58	30	44	36	54	28	42	34	52	27	40
		B	70	106	54	81	63	94	49	73	58	86	44	66	53	80	41	62	50	75	39	58	47	70	36	54	45	67	34	51
#8	1.000	A	62	93	48	72	55	83	43	64	51	76	39	58	47	70	36	54	44	66	34	51	41	62	32	48	39	59	30	45
		B	80	121	62	93	72	108	56	83	66	99	51	76	61	91	47	70	57	85	44	66	54	81	41	62	51	76	39	59
#9	1.128	A	70	105	54	81	63	94	48	72	57	86	44	66	53	79	41	61	50	74	38	57	47	70	36	54	44	66	34	51
		B	91	136	70	105	81	122	63	94	74	111	57	86	69	103	53	79	64	96	50	74	61	91	47	70	58	86	44	66
#10	1.270	A	79	118	61	91	70	105	54	81	64	96	50	74	59	89	46	69	56	83	43	64	53	79	41	61	50	75	38	58
		B	102	153	79	118	91	137	70	105	83	125	64	96	77	116	60	89	72	108	56	83	68	102	53	79	65	97	50	75
#11	1.410	A	87	131	67	101	78	117	60	90	71	107	55	82	66	99	51	76	62	93	48	71	58	87	45	67	55	83	43	64
		B	113	170	87	131	101	152	78	117	93	139	71	107	86	129	66	99	80	120	62	93	76	113	58	87	72	108	55	83

COMPRESSION LAP SPLICE LENGTH AND COMPRESSION DEVELOPMENT LENGTH

BAR SIZE	BAR DIA (in)	COMPRESSION LAP SPLICE (in)	COMPRESSION DEVELOPMENT LENGTH (in)	
			f'c = 4000 psi	f'c ≥ 5000 psi
#3	0.375	12	8	8
#4	0.500	15	10	9
#5	0.625	18	12	12
#6	0.750	23	15	14
#7	0.875	27	17	16
#8	1.000	30	19	18
#9	1.128	34	22	21
#10	1.270	38	24	23
#11	1.410	42	27	25
#14	1.693	-	34	32
#18	2.257	-	43	41

NOTE: TABULATED COMPRESSION DEVELOPMENT LENGTHS AND COMPRESSION LAP SPLICES ARE GIVEN IN in, AND ARE CALCULATED FOR REINFORCEMENT CONFORMING TO ASTM A615 GRADE 60 (fy=60000 psi), AS PER REQUIREMENTS OF ACI 318 (2008).

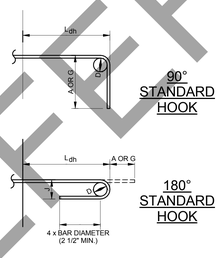
REINFORCING BARS

BAR SIZE NO.	NOMINAL DIMENSIONS		
	DIAMETER (in)	AREA (in^2)	WEIGHT (lb/ft)
#3	0.375	0.11	0.376
#4	0.500	0.20	0.668
#5	0.625	0.31	1.043
#6	0.750	0.44	1.502
#7	0.875	0.60	2.044
#8	1.000	0.79	2.670
#9	1.128	1.00	3.400
#10	1.270	1.27	4.303
#11	1.410	1.56	5.313
#14	1.693	2.25	7.650
#18	2.257	4.00	13.600

NOTE: ALL REINFORCEMENT SHALL CONFORM TO ASTM A615 GRADE 60 (fy=60000 psi)

STANDARD HOOK DETAILING GEOMETRY AND TENSION DEVELOPMENT LENGTH

BAR SIZE	BAR DIA (in)	D (in)	90° HOOKS	180° HOOKS		TENSION DEVELOPMENT LENGTH, Ldh (in)						
			A OR G	A OR G	J	f'c = 4000 psi	f'c = 5000 psi	f'c = 6000 psi	f'c = 7000 psi	f'c = 8000 psi	f'c = 9000 psi	f'c ≥ 10000 psi
#3	0.375	2 1/4	6"	5"	3"	7	7	6	6	6	6	6
#4	0.500	3	8"	6"	4"	10	9	8	7	7	7	6
#5	0.625	3 3/4	10"	7"	5"	12	11	10	9	9	8	8
#6	0.750	4 1/2	1'-0"	8"	6"	15	13	12	11	10	10	9
#7	0.875	5 1/4	1'-2"	10"	7"	17	15	14	13	12	11	11
#8	1.000	6	1'-4"	11"	8"	19	17	16	15	14	13	12
#9	1.128	9 1/2	1'-7"	1'-3"	11 3/4"	22	19	18	16	15	15	14
#10	1.270	10 3/4	1'-10"	1'-5"	1'-1 1/4"	24	22	20	19	17	16	16
#11	1.410	12	2'-0"	1'-7"	1'-2 3/4"	27	24	22	21	19	18	17
#14	1.693	18 1/4	2'-7"	2'-3"	1'-9 3/4"	32	29	27	25	23	22	21
#18	2.257	24	3'-5"	3'-0"	2'-4 1/2"	43	39	35	33	31	29	27



NOTES:
1. TABULATED TENSION DEVELOPMENT LENGTHS AND STANDARD HOOK DETAILING GEOMETRY DIMENSIONS ARE GIVEN IN in, AND ARE CALCULATED FOR REINFORCEMENT CONFORMING TO ASTM A615 GRADE 60 (fy=60000 psi), AS PER REQUIREMENTS OF ACI 318 (2008).
2. "D" REPRESENTS THE STANDARD HOOK FINISHED INSIDE BEND DIAMETER. "A", "B", AND "C" REPRESENTS DETAILING DIMENSIONS AS DEFINED IN THE KEY DETAILS.
3. TABULATED TENSION DEVELOPMENT LENGTHS HAVE BEEN CALCULATED WITH RESPECT TO NORMAL WEIGHT CONCRETE. FOR LIGHTWEIGHT CONCRETE, MULTIPLY THE TABULATED VALUES BY 1.33.
4. FOR EPOXY-COATED BARS, MULTIPLY THE TABULATED VALUES BY 1.2.

NOTES:

1. TABULATED TENSION DEVELOPMENT LENGTHS AND TENSION LAP SPLICE LENGTHS ARE GIVEN IN in, AND ARE CALCULATED FOR REINFORCEMENT CONFORMING TO ASTM A615 GRADE 60 (fy=60000 psi), AS PER THE REQUIREMENTS OF ACI 318 (2008).

2. TABULATED VALUES FOR BEAMS OR COLUMNS ARE BASED ON TRANSVERSE REINFORCEMENT AND CONCRETE COVER MEETING MINIMUM CODE REQUIREMENTS

3. CASES 1 AND 2, WHICH DEPEND ON THE TYPE OF STRUCTURAL MEMBER, CONCRETE COVER AND CENTER-TO CENTER SPACING OF THE BARS, ARE DEFINED AS:

BEAMS, COLUMNS	CASE 1	CONCRETE COVER AT LEAST 1.0 d_b AND C.-C. SPACING AT LEAST 2.0 d_b
	CASE 2	CONCRETE COVER LESS THAN 1.0 d_b AND C.-C. SPACING AT LEAST 2.0 d_b
ALL OTHERS	CASE 1	CONCRETE COVER AT LEAST 1.0 d_b AND C.-C. SPACING AT LEAST 3.0 d_b
	CASE 2	CONCRETE COVER LESS THAN 1.0 d_b AND C.-C. SPACING AT LEAST 3.0 d_b

4. TOP BARS ARE DEFINED AS HORIZONTAL BARS WITH MORE THAN 12 in OF CONCRETE CAST BELOW THE BARS.

5. TABULATED TENSION DEVELOPMENT LENGTHS AND TENSION LAP SPLICE LENGTHS HAVE BEEN CALCULATED WITH RESPECT TO NORMAL WEIGHT CONCRETE. FOR LIGHTWEIGHT CONCRETE, MULTIPLY THE TABULATED VALUES BY 1.33.

6. FOR EPOXY COATED BARS, MULTIPLY THE TABULATED VALUES BY ONE OF THE FOLLOWING FACTORS:
   1.5 FOR EPOXY COATED BARS WITH COVER LESS THAN 3 BAR DIAMETERS, OR CLEAR SPACING LESS THAN 6 BAR DIAMETERS.
   1.2 FOR ALL OTHER EPOXY COATED BARS.

7. FOR GRADE 75 (MINIMUM YIELD STRENGTH OF 75,000 PSI) REINFORCING BARS , LENGTHS MUST BE MULTIPLIED BY 1.25.

8. FOR LIGHTWEIGHT AGGREGATE CONCRETE, MULTIPLY THE TABULATED VALUES BY 1.33.

FOR REFERENCE ONLY

General Notes

No.	Description	Date
6	BID DOCUMENTS	09/07/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE

Drawing Title

GENERAL SCHEDULES

Drawn	Date
RT	9/6/2017 12:15:52 PM
Checked By	Drawing Number
JS	S-003.0
Approved	
RH	
Job Number	
B1605877	

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TABLE 1704.3
REQUIRED VERIFICATION AND INSPECTION OF STEEL CONSTRUCTION

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFRENCED STANDARD	IBC REFERENCE
1. MATERIAL VERIFICATION OF HIGH-STRENGTH BOLTS, NUTS AND WASHERS:				
A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.	---	X	AISC 360, SECTION A3.3 AND APPLICABLE ASTM MATERIAL STANDARDS	
B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.	---	X	---	---
2. INSPECTION OF HIGH-STRENGTH BOLTING:				
A. SNUG TIGHT JOINTS	---	X	AISC 360, SECTION M2.5	1704.3.3
B. PRETENSIONED AND SLIP-CRITICAL JOINTS USING TURN-OFONUT WITH MATCHMARKING, TWIST -OFF BOLT OR DIRECT TENSION INDICATOR METHODS OF INSTALLATION	---	X		
C. PRETENSIONED AND SLIP-CRITICAL JOINTS USING TURN-OFONUT WITHOUT MATCHMARKING OR CALIBRATED WRENCH METHODS OF INSTALLATION.	X	---		
3. MATERIAL VERIFICATION OF STRUCTURAL STEEL AND COLD-FORMED STEEL DECK				
A. FOR STRUCTURAL STEEL. IDENTIFICATION MARKINGS TO CONFORM TO AISC 360.	---	X	ASIC 360, SECTION M5.5	
B. FOR OTHER STEEL, IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS	---	X	APPLICABLE ASTM MATERIAL STANDARDS	
C. MANUFACTURER'S CERTIFIED TEST REPORTS.	---	X		
4. MATERIAL VERIFICATION OF WELD FILLER MATERIALS:				
A. IDENTIFICATION MARKINGS TO CONFORM TO AWS SPECIFICATION IN THE APPROVED CONSTRUCTION DOCUMENTS.	---	X	AISC 360, SECTION A3.5 AND APPLICABLE AWS A5 DOCUMENTS	---
B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.	---	X	---	---
5. INSPECTION OF WELDING.:				
A. STRUCTURAL STEEL AND COLD-FORMED STEEL DECK:				
1) COMPLETE AND PARTIAL JOINT PENETRATION GROOVE WELDS.	X	---	AWS D1.1	1704.3.1
2) MULTIPASS FILLET WELDS.	X	---		
3) SINGLE-PASS FILLET WELDS > 5/16"	X	---		
4) PLUG AND SLOT WELDS	X	---		
5) SINGLE-PASS FILLET WELDS ≤ 5/16"	---	X		
6) FLOOR AND ROOF DECK WELDS.	---	X	AWS D1.3	
B. REINFORCING STEEL:			AWS D1.4 ACI 318:SECTION 3.5.2	---
1) VERIFICATION OF WELDABILITY OF REINFORCING STEEL OTHER THAN ASTM A 706.	---	X		
2) REINFORCING STEEL RESISTING FLEXURAL AND AXIAL FORCES IN INTERMEDIATE AND SPECIAL MOMENT FRAMES, AND BOUNDARY ELEMENTS OF SPECIAL STRUCTURAL WALLS OR CONCRETE AND SHEAR REINFORCEMENT.	X	---		
3) SHEAR REINFORCEMENT.	X	---		
4) OTHER REINFORCING STEEL.	---	X		
6. INSPECTION OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE				
A. DETAILS SUCH AS BRACING AND STIFFENING.	---	X	---	1704.3.2
B. MEMBER LOCATIONS.	---	X		
C. APPLICATION OF JOINT DETAILS AT EACH CONNECTION.	---	X		

TABLE 1704.4
REQUIRED VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFRENCED STANDARD	IBC REFERENCE
1. INSPECTION OF REINFORCING STEEL, INCLUDING PRESTRESSING TENDONS, AND PLACEMENT	---	X	ACI 318: 3.5, 7.1-7.7	1913.4
2. INSPECTION OF REINFORCING STEEL WELDING IN ACCORDANCE WITH TABLE 17-3.5, ITEM 5B.	---	---	AWS D1.4 ACI 318: 3.5.2	---
3. INSPECTION OF BOLTS TO BE INSTALLED IN CONCRETE PRIOR TO AND DURING PLACEMENT OF CONCRETE WHERE ALLOWABLE LOADS HAVE BEEN INCREASED OR WHERE STRENGTH DESIGN IS USED.	X	---	ACI 318: 8.1.3, 21.2.8	1911.5 1912.1
4. INSPECTION OF ANCHORS INSTALLED IN HARDENED CONCRETE	---	X	ACI 318: 3.8.6, 8.1.3, 21.2.8	1912.1
5. VERIFYING USE OF REQUIRED DESIGN MIX.	---	X	ACI 318: CH. 4, 5.2-2.4	1904.2.2, 1913.2, 1913.3
6. AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X	---	ASTM C 172 ASTM C 31 ACI 318: 5.6, 5.8	1913.10
7. INSPECTION OF CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES	X	---	ACI 318: 5.9, 5.10	1913.6, 1913.7, 1913.8
8. INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	---	X	ACI 318: 5.11, 5.13	1913.9
9. INSPECTION OF PRESTRESSED CONCRETE:				
A. APPLICATION OF PRESTRESSING FORCES.	X	---	ACI 318: 18.20 ACI 318: 18.18.4	---
B. GROUTING OF BONDED PRESTRESSING TENDONS IN THE SEISMIC-FORCE-RESISTING SYSTEM.	X			
10. ERECTION OF PRECAST CONCRETE MEMBERS.	---	X	ACI 318: CH 16	---
11. VERIFICATION OF IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POSTTENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.	---	X	ACI 318: 6.2	---
12. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	---	X	ACI 318: 6.1.1	---

TABLE 1704.5.1
LEVEL 1 REQUIRED VERIFICATION AND INSPECTION OF MASONRY CONSTRUCTION

VERIFICATION AND INSPECTION	FREQUENCY OF INSPECTION		REFRENCED FOR CRITERIA		
	CONTINUOUS	PERIODIC	IBC SECTION	TMS 402/ACI 530/ASCE 5+	TMS 602/ACI 530.1/ASCE 6+
1. COMPLIANCE WITH REQUIRED INSPECTION PROVISIONS OF THE CONSTRUCTION DOCUMENTS AND THE APPROVED SUBMITTALS SHALL BE VERIFIED.	---	X	---	---	ART. 1.5
2. VERIFICATION OF F'M AND F'AAC PRIOR TO CONSTRUCTION EXCEPT WHERE SPECIFICALLY EXEMPTED BY THIS CODE.	---	X	---	---	ART. 1.4B
3. VERIFICATION OF SLUMP FLOW AND VSI AS DELIVERED TO THE SITE FOR SELF-CONSOLIDATING GROUT.	X	---	---	---	ART. 1.5B.1b3
4. AS MASONRY CONSTRUCTION BEGINS, THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE:					
A. PROPORTIONS OF SITE-PREPARED MORTAR.	---	X	---	---	ART. 2.6A
B. CONSTRUCTION OF MORTAR JOINTS.	---	X	---	---	ART. 3.3B
C. LOCATION OF REINFORCEMENT, CONNECTORS, PRESTRESSING TENDONS AND ANCHORAGES.	---	X	---	---	ART. 3.4, 3.6A
D. PRESTRESSING TECHNIQUE.	---	X	---	---	ART. 3.6B
E. GRADE AND SIZE OF PRESTRESSING TENDONS AND ANCHORAGES.	---	X	---	---	ART. 2.4B, 2.4H
5. DURING CONSTRUCTION THE INSPECTION PROGRAM SHALL VERIFY:					
A. SIZE AND LOCATION OF STRUCTURAL ELEMENTS.	---	X	---	---	ART. 3.5F
B. TYPE, SIZE AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS,FRAMES OR OTHER CONSTRUCTION.	---	X	---	SEC. 1.2.2(e), 1.16.1	---
C. SPECIFIED SIZE, GRADE AND TYPE OF REINFORCEMENT, ANCHOR BOLTS, PRESTRESSING TENDONS AND ANCHORAGES.	---	X	---	SEC. 1.15	ART. 2.4, 3.4
D. WELDING OF REINFORCING BARS.	X	---		SEC. 2.1.9.7.2, 3.3.3.1(b)	---
E. PREPARATION, CONSTRUCTION AND PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40°F) OR HOT WEATHER (TEMPERATURE ABOVE 90°F).	---	X	SEC. 2104.3, 2104.4	---	ART. 1.8C, 1.8D
F. APPLICATION AND MEASUREMENT OF PRESTRESSING FORCE.	X	---	---	---	ART. 3.6B
6. PRIOR TO GROUTING, THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE:					
A. GROUT SPACE IS CLEAN.	---	X	---	---	ART. 3.2D
B. PLACEMENT OF REINFORCEMENT AND CONNECTORS, AND PRESTRESSING TENDONS AND ANCHORAGES.	---	X	---	SEC. 1.13	ART. 3.4
C. PROPORTIONS OF SITE-PREPARED GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS.	---	X	---	---	ART. 2.6B
D. CONSTRUCTION OF MORTAR JOINTS.	---	X	---	---	ART. 3.3B
7. GROUT PLACEMENT SHALL BE VERIFIED TO ENSURE COMPLIANCE:	X	---	---	---	ART. 3.5B
A. GROUTING OF PRESTRESSING BONDED TENDONS.	X	---	---	---	ART. 3.6C
8. PREPARATION OF ANY REQUIRED GROUT SPECIMENS, MORTAR SPECIMENS AND/OR PRISMS SHALL BE OBSERVED.	---	X	SEC. 2105.2.2, 2105.3	---	ART. 1.4

TABLE 1704.5.3
LEVEL 2 REQUIRED VERIFICATION AND INSPECTION OF MASONRY CONSTRUCTION

VERIFICATION AND INSPECTION	FREQUENCY OF INSPECTION		REFRENCED FOR CRITERIA		
	CONTINUOUS	PERIODIC	IBC SECTION	TMS 402/ACI 530/ASCE 5+	TMS 602/ACI 530.1/ASCE 6+
1. COMPLIANCE WITH REQUIRED INSPECTION PROVISIONS OF THE CONSTRUCTION DOCUMENTS AND THE APPROVED SUBMITTALS.	---	X	---	---	ART. 1.5
2. VERIFICATION OF F'MAND F'AACPRIOR TO CONSTRUCTION AND FOR EVERY 5,000 SQUARE FEET DURING CONSTRUCTION.	---	X	---	---	ART. 1.4B
3. VERIFICATION OF PROPORTIONS OF MATERIALS IN PREMIXED OR PREBLENDED MORTAR AND GROUT AS DELIVERED TO THE SITE.	---	X	---	---	ART. 1.5B
4. VERIFICATION OF SLUMP FLOW AND VSI AS DELIVERED TO THE SITE FOR SELF-CONSOLIDATING GROUT.	X	---	---	---	ART. 1.5B.1b3
5. THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE:					
A. PROPORTIONS OF SITE-PREPARED MORTAR, GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS.	---	X	---	---	ART. 2.6A
B. PLACEMENT OF MASONRY UNITS AND CONSTRUCTION OF MORTAR JOINTS.	---	X	---	---	ART. 3.3B
C. PLACEMENT OF REINFORCEMENT, CONNECTORS AND PRESTRESSING TENDONS AND ANCHORAGES.	---	X	---	SEC. 1.15	ART. 3.4, 3.6A
D. GROUT SPACE PRIOR TO GROUT.	X	---	---	---	ART. 3.2D
E. PLACEMENT OF GROUT.	X	---	---	---	ART. 3.5
F. PLACEMENT OF PRESTRESSING GROUT.	X	---	---	---	ART. 3.6C
G. SIZE AND LOCATION OF STRUCTURAL ELEMENTS.	---	X	---	---	ART. 3.3F
H. TYPE, SIZE AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES OR OTHER CONSTRUCTION.	X	---	---	SEC. 1.2.2(e), 1.16.1	---
I. SPECIFIED SIZE, GRADE AND TYPE OF REINFORCEMENT, ANCHOR BOLTS, PRESTRESSING TENDONS AND ANCHORAGES.	---	X	---	SEC. 1.15	ART. 2.4, 3.4
J. WELDING OF REINFORCING BARS.	X	---	---	SEC. 2.1.9.7.2, 3.3.3.4 (b)	---
K. PREPARATION, CONSTRUCTION AND PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40°F) OR HOT WEATHER (TEMPERATURE ABOVE 90°F).	---	X	SEC. 2103.3, 2104.4	---	ART. 1.8C, 1.8D
L. APPLICATION AND MEASUREMENT OF PRESTRESSING FORCE.	X	---	---	---	ART. 3.6B
6. PREPARATION OF ANY REQUIRED GROUT SPECIMENS AND/OR PRISMS SHALL BE OBSERVED.	X	---	SEC. 2105.2.2, 2105.3	---	ART. 1.4

TABLE 1704.7
REQUIRED VERIFICATION AND INSPECTION OF SOILS

VERIFICATION AND INSPECTION TASK	CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	---	X
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	---	X
3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.	---	X
4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	X	---
5. PRIOR TO PLACEMENT OF COMPACTED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	---	X

INSPECTION AGENTS	FIRM	ADDRESS	TELEPHONE NO.
1.			
2.			
3.			
4.			
5.			
6.			

NOTES:
1. THE INSPECTION AND TESTING AGENT(S) SHALL BE ENGAGED BY THE OWNER OR THE OWNER'S AGENT, AND NOT BY THE CONTRACTOR OR SUBCONTRACTOR WHOSE WORK IS TO BE INSPECTED OR TESTED. ANY CONFLICT OF INTEREST MUST BE DISCLOSED TO THE BUILDING OFFICIAL PRIOR TO COMMENCING WORK. THE QUALIFICATIONS OF THE SPECIAL INSPECTOR(S) AND/OR TESTING AGENCIES MAY BE SUBJECT TO THE APPROVAL OF THE BUILDING OFFICIAL AND/OR THE DESIGN PROFESSIONAL.
2. THE LIST OF SPECIAL INSPECTORS MAY BE SUBMITTED AS A SEPARATE DOCUMENT, IF NOTED SO ABOVE.
3. INSPECTION OF FABRICATORS IS NOT REQUIRED WHERE THE FABRICATOR IS APPROVED IN ACCORDANCE WITH IBC SECTION 1704.2.2.

ENCIRCLE "YES" OR "NO" AS APPROPRIATE AND DATE THIS DOCUMENT BELOW:

ARE REQUIREMENTS FOR SEISMIC RESISTANCE INCLUDED IN THE STATEMENT OF SPECIAL INSPECTIONS? **YES NO**
ARE REQUIREMENTS FOR WIND RESISTANCE INCLUDED IN THE STATEMENT OF SPECIAL INSPECTIONS? **YES NO**

DATE:

FOR REFERENCE ONLY

General Notes

No.	Description	Date
5	BID DOCUMENTS	09/07/2017
4	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
3	ISSUED FOR FINAL BID	06/23/2017
2	ISSUED FOR BID	06/16/2017
1	ISSUED FOR 100% CD'S/OWNER REVIEW	06/01/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS
MADISON | CHICAGO | ST. LOUIS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS
A WSP | PARSONS BRINCKERHOFF COMPANY

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

SCHEDULE OF SPECIAL INSPECTIONS

Drawn	Date
RT	9/6/2017 12:15:57 PM
Checked By	**Drawing Number**
JS	S-004.0
Approved	
RH	
Job Number	
B1605877	

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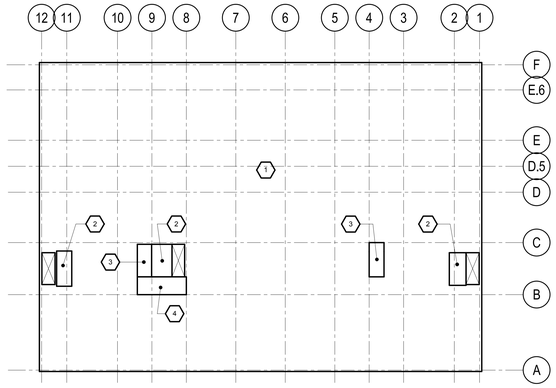
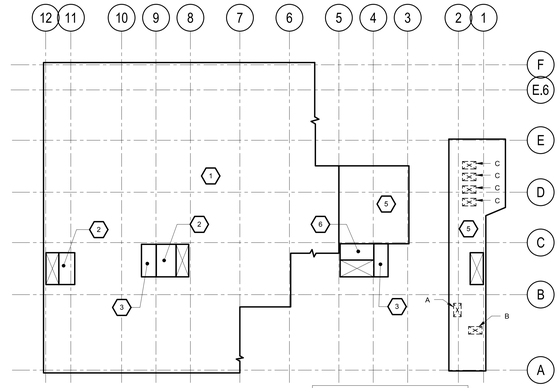
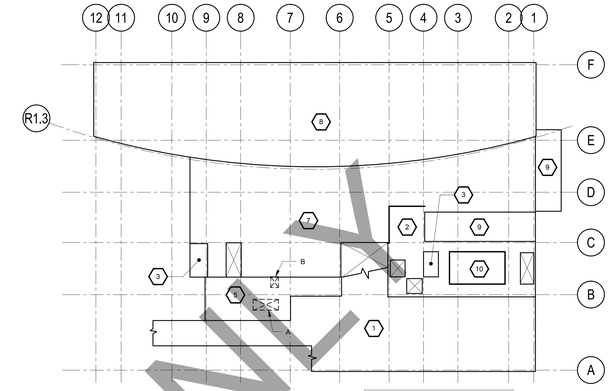


1 LEVELS U3-U1 LOADING DIAGRAM
SCALE: NOT TO SCALE



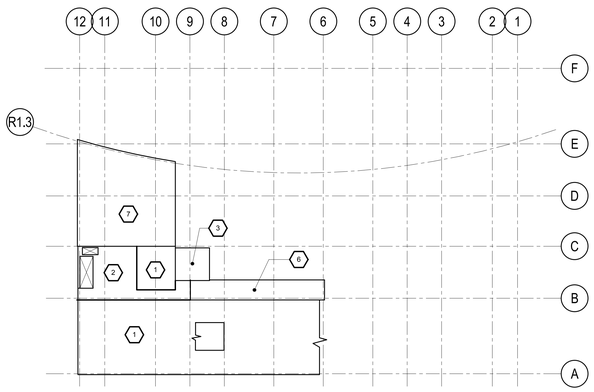
MEP EQUIPMENT WEIGHTS:
A - 1600 LBS + 75 PSF (CONCRETE PAD)
B - 1800 LBS + 75 PSF (CONCRETE PAD)
C - 20,000 LBS + 75 PSF (CONCRETE PAD)

2 LEVEL U0 LOADING DIAGRAM
SCALE: 1/32" = 1'-0"

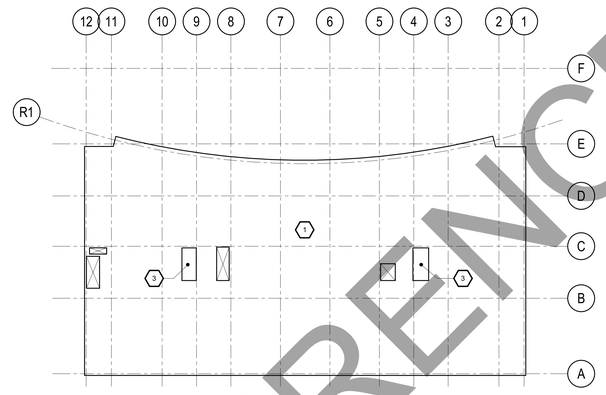


MEP EQUIPMENT WEIGHTS:
A - 10,000 LBS + 75 PSF (CONCRETE PAD)
B - 2,000 LBS + 75 PSF (CONCRETE PAD)

3 LEVEL 1 LOADING DIAGRAM
SCALE: NOT TO SCALE



4 LEVEL 2 LOADING DIAGRAM
SCALE: NOT TO SCALE



5 LEVEL 3 LOADING DIAGRAM
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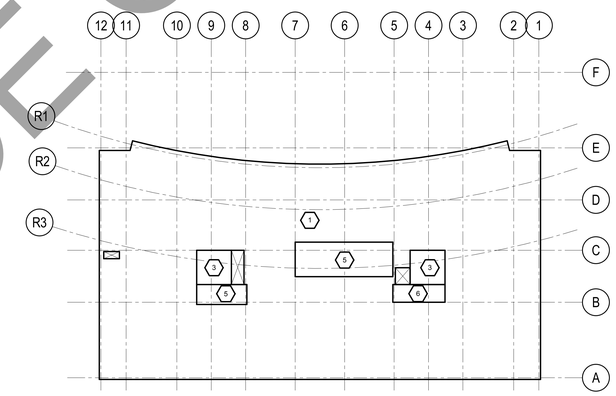

6 LEVEL 4 LOADING DIAGRAM
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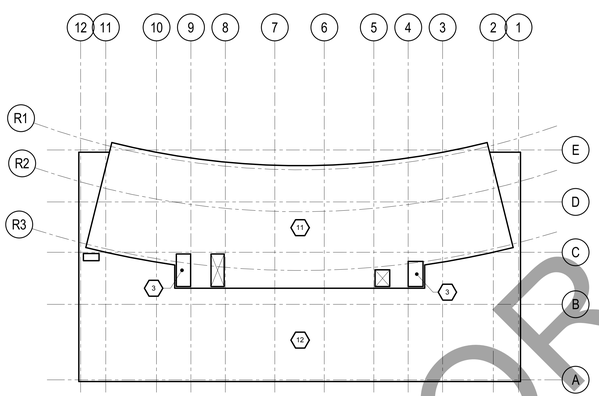
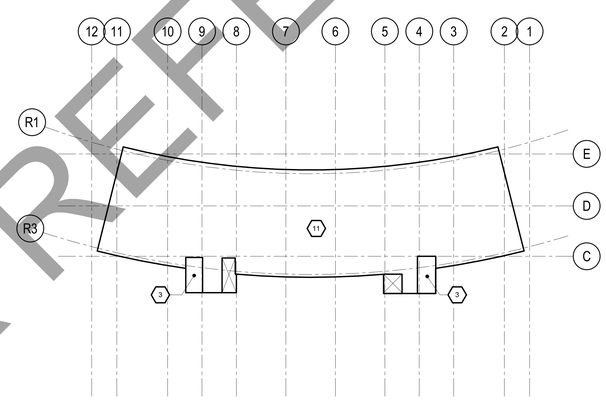


7 LEVEL 5 FRAMING PLAN
SCALE: NOT TO SCALE



8 LEVEL 6-13 LOADING DIAGRAM
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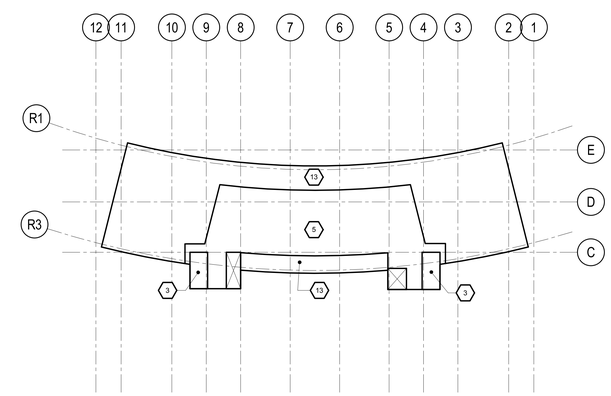

9 ROOF LOADING DIAGRAM
SCALE: NOT TO SCALE

LOADING TYPES SCHEDULE

MARK	DESCRIPTION	SDL	LL
1	PARKING	5	40
2	PUBLIC	5	100
3	STAIR	5	100
4	ELECTRICAL	5	50
5	MEP	20	50 + EQUIP. WT.
6	STORAGE	5	125
7	RETAIL	20	125
8	PINCKNEY STREET	1055	250
9	LOADING DOCK	75	250
10	OFFICE	30	50
11	RESIDENTIAL	20	40
12	ROOF AMENITY AREA	65	100
13	GREEN ROOF	65	25 + DRIFT

FOR REFERENCE ONLY

General Notes

No.	Description	Date
5	BID DOCUMENTS	09/07/2017
4	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
3	ISSUED FOR FINAL BID	06/23/2017
2	ISSUED FOR BID	06/16/2017
1	ISSUED FOR 100% CD'S/OWNER REVIEW	06/01/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano
ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS
MADISON | CHICAGO | ST. LOUIS

PARKING CONSULTANT:
WALKER
PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS
A WSP | PARSONS BRINCKERHOFF COMPANY

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

LOADING DIAGRAMS

Drawn	Date
RT	9/6/2017 12:16:03 PM
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JS	
Approved	
RH	
Job Number	
B1605877	

S-005.0

TRUE NORTH
PROJECT NORTH

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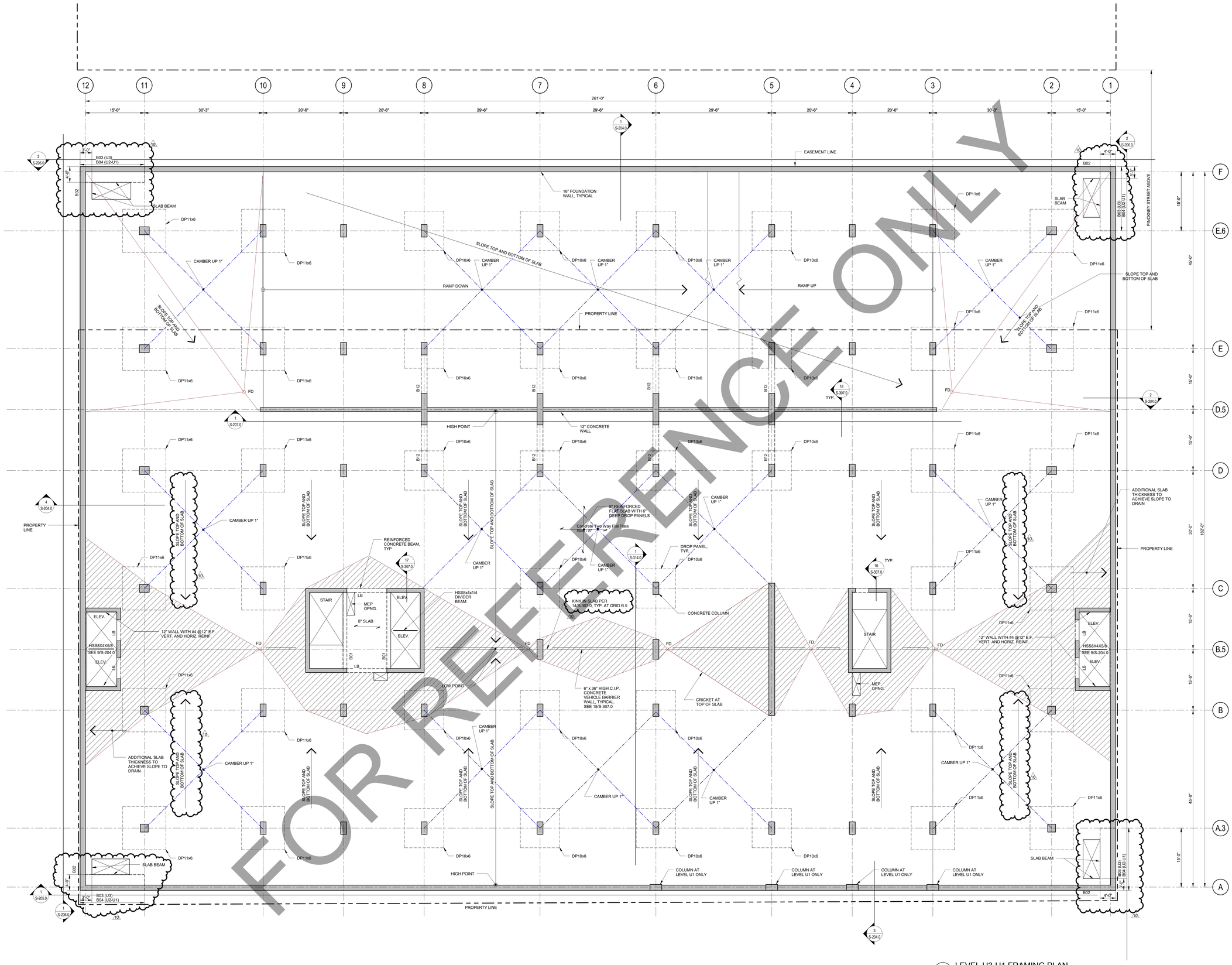

FOR REFERENCE ONLY

A LEVEL U3-U1 FRAMING PLAN

SCALE: 1/8" = 1'-0"

NOTES:

1. T/SLAB ELEVATION VARIES FOR SLOPE TO DRAIN. SEE ARCHITECTURAL DRAWINGS.
2. SEE SLAB REINFORCEMENT PLAN ON S-120.3.
3. SEE CONCRETE COLUMN SCHEDULE ON S-301.0.
4. COLUMNS ARE CENTERED ON THE GRID LINES UNLESS NOTED OTHERWISE.
5. SEE REINFORCED CONCRETE SHEAR WALL ELEVATIONS AND DETAILS ON SHEETS S-304.0 AND S-305.0.
6. COORDINATE SLAB PENETRATIONS WITH ARCHITECTURAL AND MEP/FP DRAWINGS.
7. BXX DENOTES REINFORCED CONCRETE BEAM. SEE TYPIAL DETSILA ND SCHEDULE ON S-309.0.
8. "DP10X6" = 10'-0" x 10'-0" DROP PANEL EXTENDING 6" BELOW SLAB.
9. SEE FOUNDATION WALL ELEVATIONS, SECTION, AND DETAILS ON S-203.0, S-204.0, S-205.0, S-206.0, AND S-207.0.

TRUE NORTH
PROJECT NORTH

General Notes

No.	Description	Date
10	BULLETIN #5	05/14/2018
9	BULLETIN #2	12/07/2017
8	BID DOCUMENTS	09/07/2017
7	ADDENDUM 3	08/02/2017
6	ADDENDUM 2	07/28/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS
MADISON | CHICAGO | ST. LOUIS

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WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS
A WSP | PARSONS BRINCKERHOFF COMPANY

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

LEVEL U3-U1 FRAMING PLAN

Drawn	Date
RT	5/11/2018 2:46:48 PM
Checked By	Drawing Number
JS	
Approved	
RH	
Job Number	
B1605877	

S-100.3

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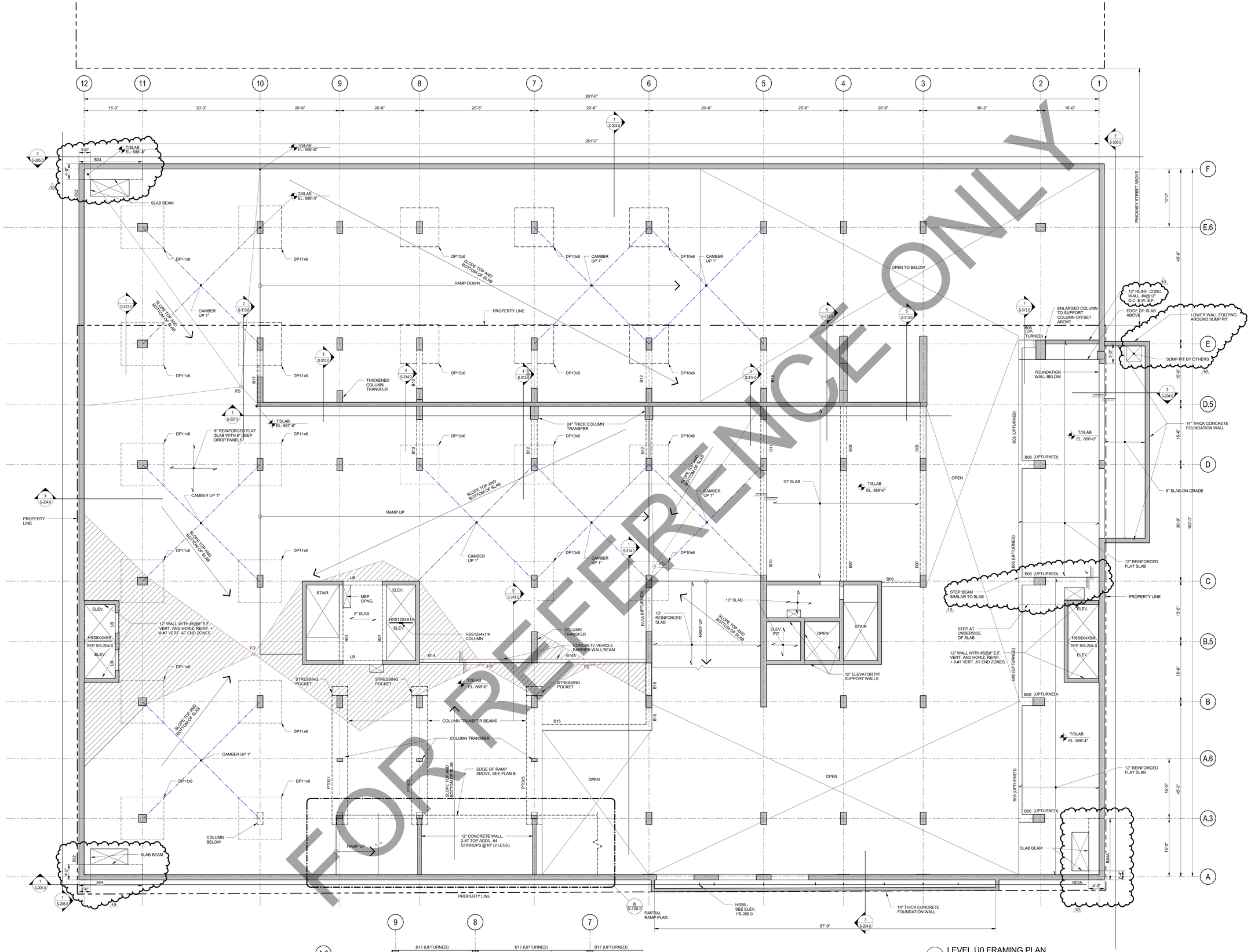
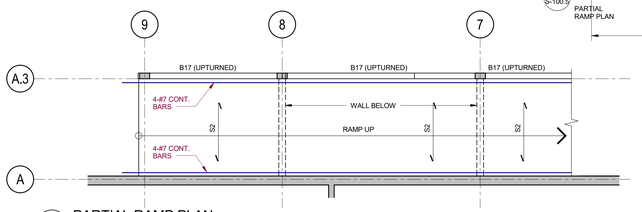


FOR REFERENCE ONLY



B PARTIAL RAMP PLAN

SCALE: 1/8" = 1'-0"

A LEVEL U0 FRAMING PLAN

SCALE: 1/8" = 1'-0"

NOTES:

1. T/SLAB ELEVATION VARIES FOR SLOPE TO DRAIN. SEE ARCHITECTURAL DRAWINGS.
2. SEE SLAB REINFORCEMENT PLAN ON S-120.5.
3. SEE CONCRETE COLUMN SCHEDULE ON S-301.0.
4. COLUMNS ARE CENTERED ON THE GRID LINES UNLESS NOTED OTHERWISE.
5. SEE REINFORCED CONCRETE SHEAR WALL ELEVATIONS AND DETAILS ON SHEETS S-304.0 AND S-305.0.
6. COORDINATE SLAB PENETRATIONS WITH ARCHITECTURAL AND MEP/FP DRAWINGS.
7. "BXX" DENOTES REINFORCED CONCRETE BEAM. SEE TYPIAL DETSLA ND SCHEDULE ON S-309.0.
8. "DP10X6" = 10'-0" x 10'-0" DROP PANEL EXTENDING 6" BELOW SLAB.
9. SEE FOUNDATION WALL ELEVATIONS, SECTION, AND DETAILS ON S-203.0, S-204.0, S-205.0, S-206.0, AND S-207.0.
10. "PTB" DENOTES POST-TENSIONED CONCRETE BEAM. SEE S309.0 FOR SCHEDULE AND DETAILS.

TRUE NORTH
PROJECT NORTH

General Notes

No.	Description	Date
10	BULLETIN #5	05/14/2018
9	BULLETIN #2	12/07/2017
8	BID DOCUMENTS	09/07/2017
7	ADDENDUM 3	08/02/2017
6	ADDENDUM 2	07/28/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
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INSITE CONSULTING ARCHITECTS

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WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE

Drawing Title

LEVEL U0 FRAMING PLAN

Drawn	Date
RT	5/11/2018 2:46:53 PM
Checked By	**Drawing Number**
JS	S-100.5
Approved	
RH	
Job Number	
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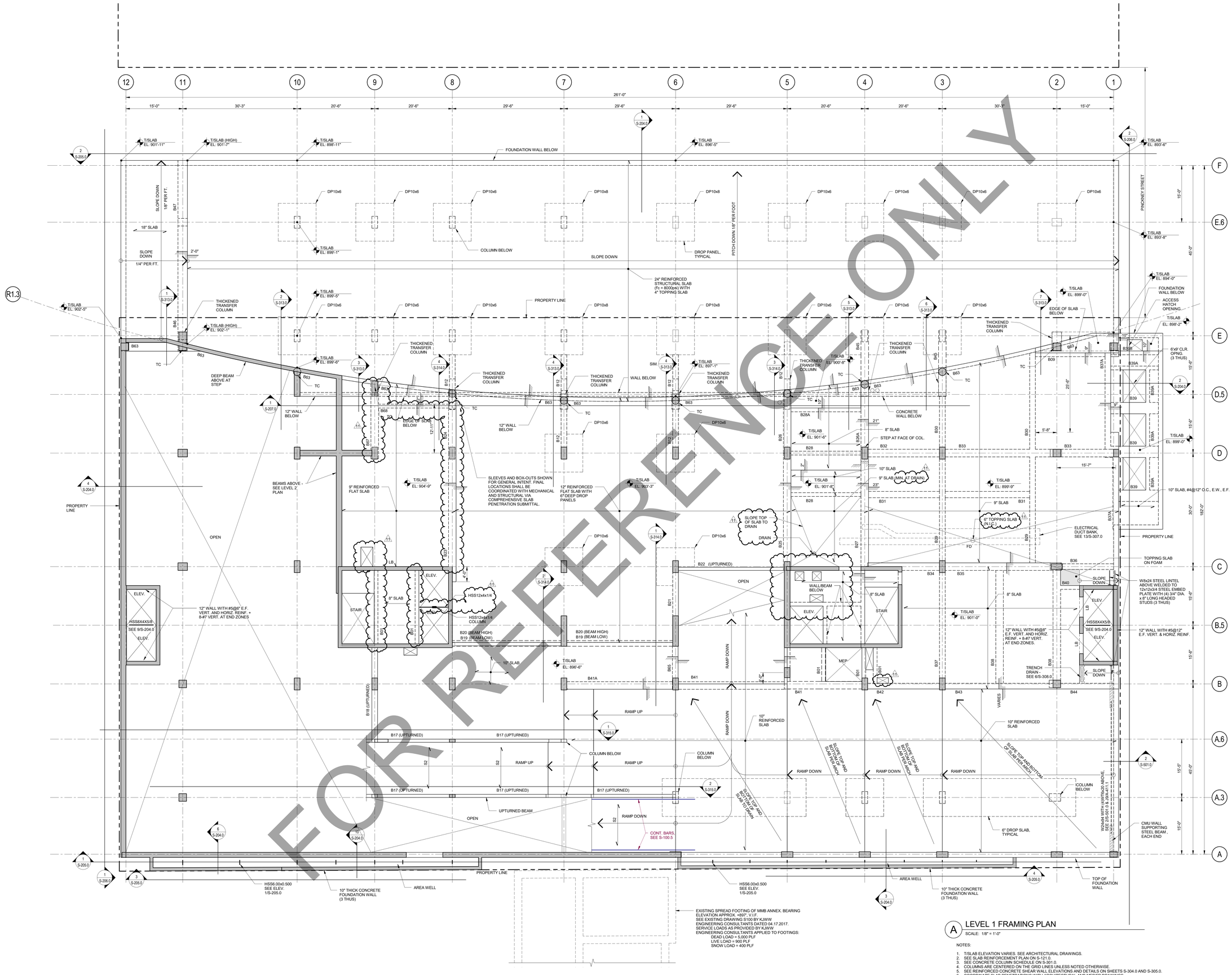

A LEVEL 1 FRAMING PLAN

SCALE: 1/8" = 1'-0"

NOTES:

1. T/SLAB ELEVATION VARIES. SEE ARCHITECTURAL DRAWINGS.
2. SEE SLAB REINFORCEMENT PLAN ON S-121.0.
3. SEE CONCRETE COLUMN SCHEDULE ON S-301.0.
4. COLUMNS ARE CENTERED ON THE GRID LINES UNLESS NOTED OTHERWISE.
5. SEE REINFORCED CONCRETE SHEAR WALL ELEVATIONS AND DETAILS ON SHEETS S-304.0 AND S-305.0.
6. COORDINATE SLAB PENETRATIONS WITH ARCHITECTURAL AND MEP/FP DRAWINGS.
7. "BXX" DENOTES REINFORCED CONCRETE BEAM. SEE TYPIAL DETSILA ND SCHEDULE ON S-309.0.
8. "DP10X8" = 10'-0" x 10'-0" DROP PANEL EXTENDING 6" BELOW SLAB.
9. SEE FOUNDATION WALL ELEVATIONS, SECTION, AND DETAILS ON S-203.0, S-204.0, S-205.0, S-206.0, AND S-207.0.
10. "PTB" DENOTES POST-TENSIONED CONCRETE BEAM. SEE S309.0 FOR SCHEDULE AND DETAILS.
11. SLEEVES AND BOX-OUTS SHOWN FOR GENERAL INTENT. FINAL LOCATIONS SHALL BE COORDINATED WITH MECHANICAL AND STRUCTURAL VIA COMPREHENSIVE SLAB PENETRATION SUBMITTAL.

FOR REFERENCE ONLY

General Notes

No.	Description	Date
11	BULLETIN #7	10/15/2018
10	FINAL BULLETIN #6	9/14/2018
9	BULLETIN #5	05/14/2018
8	BULLETIN #2	12/07/2017
7	BID DOCUMENTS	09/07/2017
6	ADDENDUM 3	08/02/2017
5	ADDENDUM 2	07/28/2017
4	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
3	ISSUED FOR FINAL BID	06/23/2017
2	ISSUED FOR 100% CD'S/OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
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ASSOCIATE ARCHITECT:
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HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE

Drawing Title

LEVEL 1 FRAMING PLAN

Drawn	Date
RT	10/15/2018 4:41:25 PM
Checked By	Drawing Number
JS	S-101.0
Approved	
RH	
Job Number	
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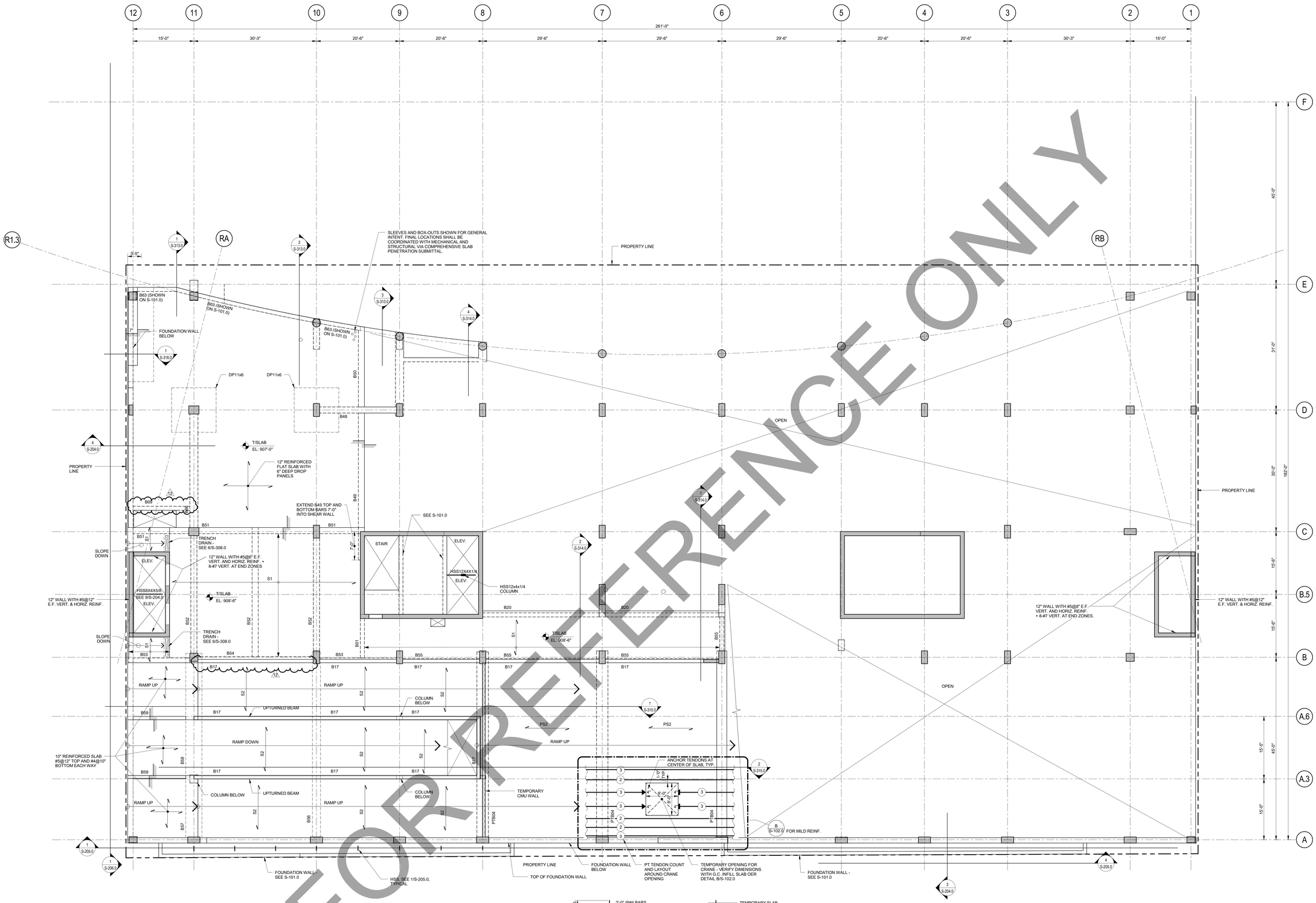
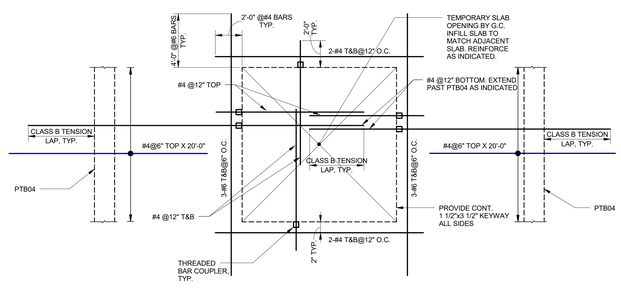


FOR REFERENCE ONLY

A LEVEL 2 FRAMING PLAN

SCALE: 1/8" = 1'-0"



B MILD REINFORCEMENT AT CRANE LEAVE-OUT SLAB

SCALE: 1/4" = 1'-0"

NOTES:

1. T/SLAB ELEVATION VARIES. SEE ARCHITECTURAL DRAWINGS.
2. SEE SLAB REINFORCEMENT PLAN ON S-122.0.
3. SEE CONCRETE COLUMN SCHEDULE ON S-301.0.
4. COLUMNS ARE CENTERED ON THE GRID LINES UNLESS NOTED OTHERWISE.
5. SEE REINFORCED CONCRETE SHEAR WALL ELEVATIONS AND DETAILS ON SHEETS S-304.0 AND S-305.0.
6. COORDINATE SLAB PENETRATIONS WITH ARCHITECTURAL AND MEP/FP DRAWINGS.
7. "BXX" DENOTES REINFORCED CONCRETE BEAM. SEE TYPIAL DETSLA ND SCHEDULE ON S-309.0.
8. "DP11X6" = 11'-0" x 11'-0" DROP PANEL EXTENDING 6" BELOW SLAB.
9. "PTB" DENOTES POST-TENSIONED CONCRETE BEAM. SEE S309.0 FOR SCHEDULE AND DETAILS.
10. "PSX" DENOTES POST-TENSIONED ONE-WAY SLAB. SEE DETAIL 1/S-311.0 FOR TYPICAL ONE-WAY SLAB TENDON LAYOUT.
11. SLEEVES AND BOX-OUTS SHOWN FOR GENERAL INTENT. FINAL LOCATIONS SHALL BE COORDINATED WITH MECHANICAL AND STRUCTURAL VIA COMPREHENSIVE SLAB PENETRATION SUBMITTAL.

TRUE NORTH
PROJECT NORTH

General Notes

LEGEND

N.I.C. — CONSTRUCTION ITEMS FOR REFERENCE ONLY - NOT IN CONTRACT

No.	Description	Date
12	BULLETIN #7	10/15/2018
11	FINAL BULLETIN #6	9/14/2018
10	BULLETIN #6	08/03/2018
9	BULLETIN #5	05/14/2018
8	BULLETIN #2	12/07/2017
7	BID DOCUMENTS	09/07/2017
6	ADDENDUM 2	07/28/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

LEVEL 2 FRAMING PLAN

Drawn	Date
RT	10/15/2018 4:41:30 PM
Checked By	**Drawing Number**
JS	
Approved	
RH	
Job Number	
B1605877	

S-102.0

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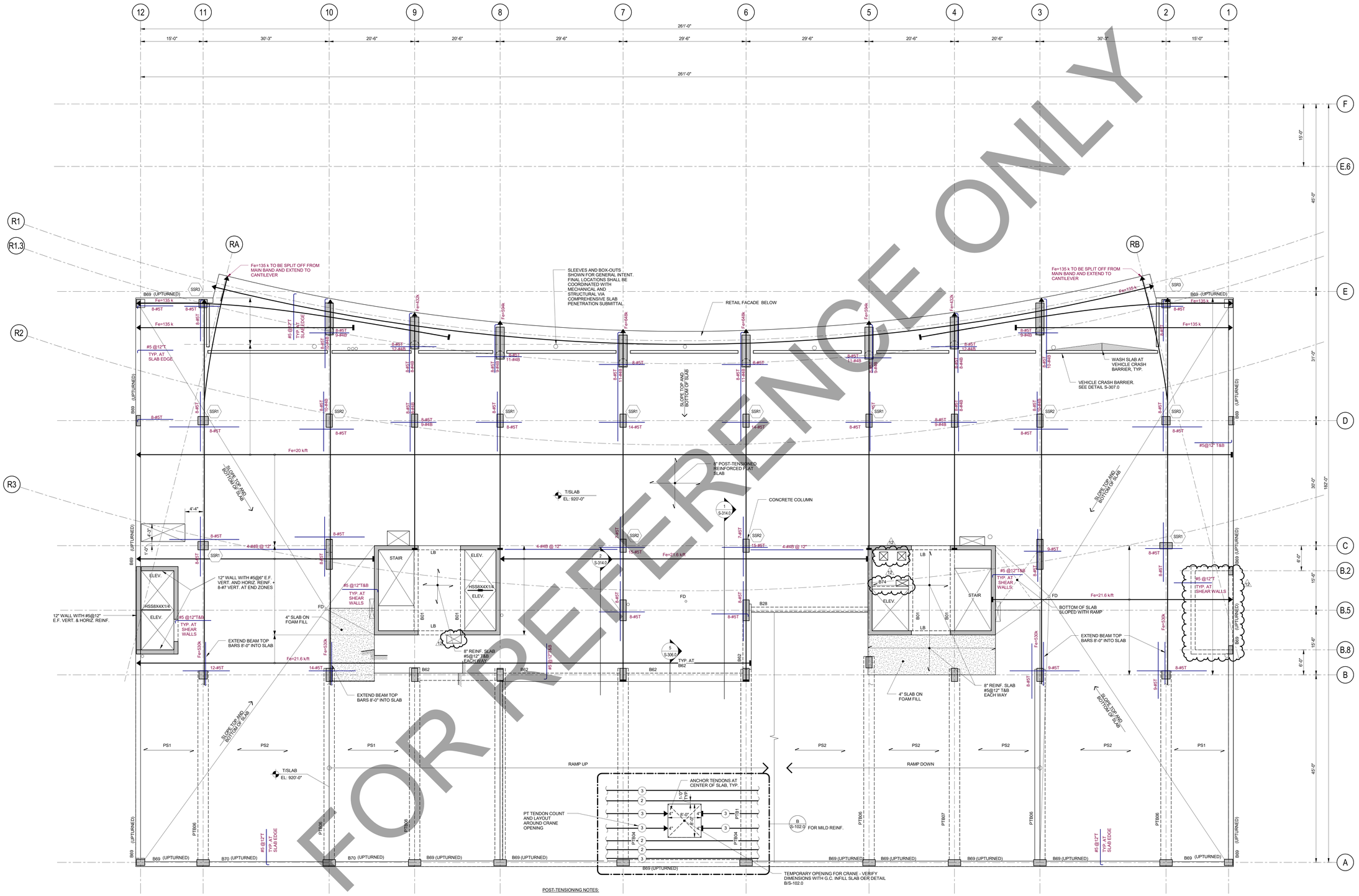
10/15/2018 4:41:30 PM



FOR REFERENCE ONLY

POST-TENSIONING NOTES:

1. SEE DRAWINGS S-001.0 FOR POST-TENSIONED CONCRETE NOTES.
2. SEE DETAIL 4/S-311.0 FOR TYPICAL TWO WAY SLAB TENDON LAYOUT.
3. "PSX" DENOTES POST-TENSIONED ONE-WAY SLAB. SEE DETAIL 1/S-311.0 FOR TYPICAL ONE WAY SLAB TENDON LAYOUT.
4. "PTB" DENOTES POST-TENSIONED CONCRETE BEAM. SEE SHEET S-309.0 FOR TYP. POST-TENSIONED CONCRETE BEAM ELEVATIONS.
5. PT TENDONS SHALL BE BANDED IN E-W DIRECTION AND UNIFORMLY DISTRIBUTED IN N-S DIRECTION. SEE PLAN FOR DETAILS.
6. TYPICAL BAND WIDTH SHALL BE 5'-0" UNO ON PLANS AND CENTERED ON COLUMNS.
7. FOR UNIFORMLY DISTRIBUTED DIRECTION PLACE AT LEAST TWO TENDONS DIRECTLY OVER COLUMN AND SPACE THE REMAINING TENDONS EQUALLY BETWEEN COLUMNS.
9. PT TENDONS SHALL BE PLACED IN A PARABOLIC WITHIN THE SLAB. THE CENTER OF GRAVITY OF TENDONS SHALL BE AS FOLLOWS (U.N.O. ON PLAN)
   - AT ALL ANCHOR LOCATIONS = MID-DEPTH OF SLAB = 4"
   - AT INTERIOR COLUMNS & WALL SUPPORTS = 6" [HIGH POINTS]
   - AT EXTERIOR COLUMNS & WALL SUPPORTS = MID-DEPTH OF SLAB = 4"
   - AT MIDSPANS = 1" [LOW POINTS]
10. THE PLACING SEQUENCE OF PT TENDONS AND MILD STEEL REBARS SHALL BE AS PER THE PLACEMENT DIAGRAMS SHOWN IN DETAIL 5/S-311.0.
11. GENTLY SLOPE CABLE AROUND OPENINGS (1:8 MIN) AS INDICATED ON PLANS & DETAIL 6/S-310.0.
12. SEE ARCHITECTURAL AND MEP DRAWINGS FOR LOCATION AND DIMENSIONS OF SLAB OPENINGS. PROVIDE SUPPLEMENTAL REINFORCEMENT AROUND OPENINGS AS PER DETAIL 6 & 7/S-310.0.
13. FOR ENCAPSULATION REQUIREMENT OF TENDONS & ANCHORAGES, SEE POST-TENSIONED SLAB CONCRETE NOTES ON THE GENERAL NOTES SHEET.

REBAR IN POST-TENSIONED SLAB NOTES:

1. TOP STEEL (BONDED REINFORCEMENT) AT COLUMNS SHALL BE PLACED BETWEEN LINES THAT ARE 1.5h (h=SLAB THICKNESS) OUTSIDE OPPOSITE FACES OF THE COLUMN SUPPORT. SPACING OF THIS REINFORCEMENT SHALL NOT EXCEED 12".
2. FOR LENGTH OF MILD STEEL REINFORCEMENT, SEE TYPICAL DETAILS ON S-311.0.

GENERAL NOTES:

1. T/SLAB ELEVATION VARIES. SEE ARCHITECTURAL DRAWINGS.
2. SEE CONCRETE COLUMN SCHEDULE ON S-301.0.
3. COLUMNS ARE CENTERED ON THE GRID LINES UNLESS NOTED OTHERWISE.
4. SEE REINFORCED CONCRETE SHEAR WALL ELEVATIONS AND DETAILS ON SHEETS S-304.0 AND S-305.0.
5. COORDINATE SLAB PENETRATIONS WITH ARCHITECTURAL AND MEP/FP DRAWINGS.
6. "BXX" DENOTES REINFORCED CONCRETE BEAM. SEE TYPICAL DETSILA ND SCHEDULE ON S-309.0.
7. "DP11X6" = 11'-0" x 11'-0" DROP PANEL EXTENDING 6" BELOW SLAB.
8. SEE SHEET S-310.0 FOR STUD RAIL REINFORCING DETAILS AND SCHEDULE.
9. SLEEVES AND BOX-OUTS SHOWN FOR GENERAL INTENT. FINAL LOCATIONS SHALL BE COORDINATED WITH MECHANICAL AND STRUCTURAL VIA COMPREHENSIVE SLAB PENETRATION SUBMITTAL.
10. FLOOR DRAINS CAST INTO SLAB - SEE PLUMBING.

A LEVEL 3 FRAMING PLAN
SCALE: 1/8" = 1'-0"

General Notes

LEGEND

N.I.C. — CONSTRUCTION ITEMS FOR REFERENCE ONLY - NOT IN CONTRACT

No.	Description	Date
12	BULLETIN #7	10/15/2018
11	FINAL BULLETIN #6	9/14/2018
10	BULLETIN #6	08/03/2018
9	BULLETIN #2	12/07/2017
8	BID DOCUMENTS	09/07/2017
7	ADDENDUM 3	08/02/2017
6	ADDENDUM 2	07/28/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE

Drawing Title

LEVEL 3 FRAMING PLAN

Drawn	Date
RT	10/15/2018 4:41:35 PM
Checked By	**Drawing Number**
JS	
Approved	
RH	S-103.0
Job Number	
B1605877	

TRUE NORTH
PROJECT NORTH

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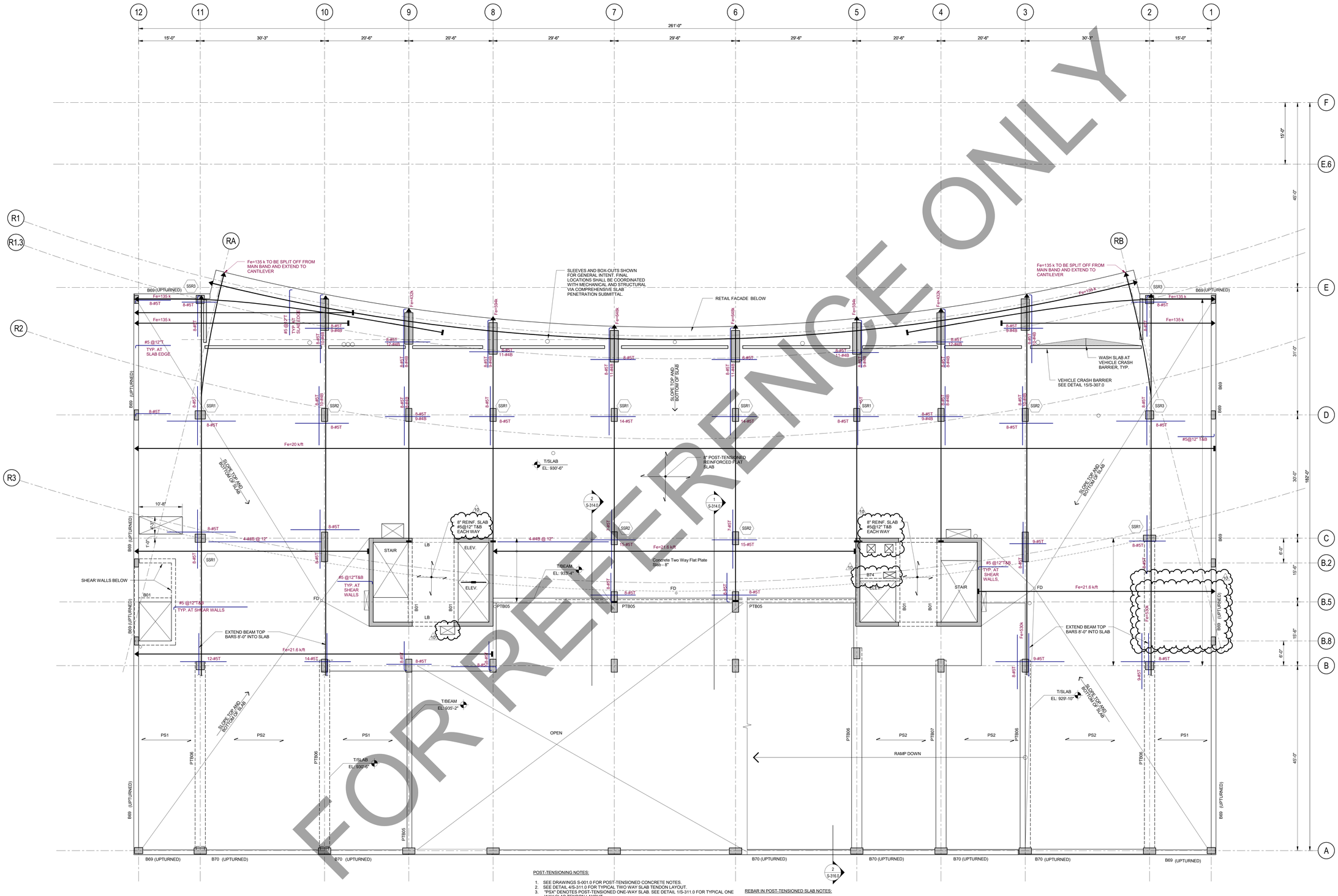

FOR REFERENCE ONLY

POST-TENSIONING NOTES:

1. SEE DRAWINGS S-001.0 FOR POST-TENSIONED CONCRETE NOTES.
2. SEE DETAIL 4/S-311.0 FOR TYPICAL TWO WAY SLAB TENDON LAYOUT.
3. "PSX" DENOTES POST-TENSIONED ONE-WAY SLAB. SEE DETAIL 1/S-311.0 FOR TYPICAL ONE WAY SLAB TENDON LAYOUT.
4. "PTB" DENOTES POST-TENSIONED CONCRETE BEAM. SEE SHEET S-309.0 FOR TYP. POST-TENSIONED CONCRETE BEAM ELEVATIONS.
5. PT TENDONS SHALL BE BANDED IN E-W DIRECTION AND UNIFORMLY DISTRIBUTED IN N-S DIRECTION. SEE PLAN FOR DETAILS.
6. TYPICAL BAND WIDTH SHALL BE 5'-0" UNO ON PLANS AND CENTERED ON COLUMNS.
7. FOR UNIFORMLY DISTRIBUTED DIRECTION PLACE AT LEAST TWO TENDONS DIRECTLY OVER COLUMN AND SPACE THE REMAINING TENDONS EQUALLY BETWEEN COLUMNS.
9. PT TENDONS SHALL BE PLACED IN A PARABOLIC WITHIN THE SLAB. THE CENTER OF GRAVITY OF TENDONS SHALL BE AS FOLLOWS (U.N.O. ON PLAN)
   - AT ALL ANCHOR LOCATIONS = MID-DEPTH OF SLAB = 4"
   - AT INTERIOR COLUMNS & WALL SUPPORTS = 6" [HIGH POINTS]
   - AT EXTERIOR COLUMNS & WALL SUPPORTS = MID-DEPTH OF SLAB = 4"
   - AT MIDSPANS = 1" [LOW POINTS]
10. THE PLACING SEQUENCE OF PT TENDONS AND MILD STEEL REBARS SHALL BE AS PER THE PLACEMENT DIAGRAMS SHOWN IN DETAIL 5/S-311.0.
11. GENTLY SLOPE CABLE AROUND OPENINGS (1:8 MIN) AS INDICATED ON PLANS & DETAIL 6/S-310.0.
12. SEE ARCHITECTURAL AND MEP DRAWINGS FOR LOCATION AND DIMENSIONS OF SLAB OPENINGS. PROVIDE SUPPLEMENTAL REINFORCEMENT AROUND OPENINGS AS PER DETAIL 6 & 7/S-310.0.
13. FOR ENCAPSULATION REQUIREMENT OF TENDONS & ANCHORAGES, SEE POST-TENSIONED SLAB CONCRETE NOTES ON THE GENERAL NOTES SHEET.

REBAR IN POST-TENSIONED SLAB NOTES:

1. TOP STEEL (BONDED REINFORCEMENT) AT COLUMNS SHALL BE PLACED BETWEEN LINES THAT ARE 1.5h (h=SLAB THICKNESS) OUTSIDE OPPOSITE FACES OF THE COLUMN SUPPORT. SPACING OF THIS REINFORCEMENT SHALL NOT EXCEED 12".
2. FOR LENGTH OF MILD STEEL REINFORCEMENT, SEE TYPICAL DETAILS ON S-311.0.

GENERAL NOTES:

1. T/SLAB ELEVATION VARIES. SEE ARCHITECTURAL DRAWINGS.
2. SEE CONCRETE COLUMN SCHEDULE ON S-301.0.
3. COLUMNS ARE CENTERED ON THE GRID LINES UNLESS NOTED OTHERWISE.
4. SEE REINFORCED CONCRETE SHEAR WALL ELEVATIONS AND DETAILS ON SHEETS S-304.0 AND S-305.0.
5. COORDINATE SLAB PENETRATIONS WITH ARCHITECTURAL AND MEP/FP DRAWINGS.
6. "BXX" DENOTES REINFORCED CONCRETE BEAM. SEE TYPIAL DETSILA ND SCHEDULE ON S-309.0.
7. "DP11X6" = 11'-0" x 11'-0" DROP PANEL EXTENDING 6" BELOW SLAB.
8. SEE SHEET S-310.0 FOR STUD RAIL REINFORCING DETAILS AND SCHEDULE.
9. SLEEVES AND BOX-OUTS SHOWN FOR GENERAL INTENT. FINAL LOCATIONS SHALL BE COORDINATED WITH MECHANICAL AND STRUCTURAL VIA COMPREHENSIVE SLAB PENETRATION SUBMITTAL.
10. FLOOR DRAINS CAST INTO SLAB - SEE PLUMBING.

A LEVEL 4 FRAMING PLAN
SCALE: 1/8" = 1'-0"

General Notes

LEGEND

N.I.C. — CONSTRUCTION ITEMS FOR REFERENCE ONLY - NOT IN CONTRACT

No.	Description	Date
10	BULLETIN #7	10/15/2018
9	FINAL BULLETIN #6	9/14/2018
8	BULLETIN #6	08/03/2018
7	BID DOCUMENTS	09/07/2017
6	ADDENDUM 2	07/28/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE

Drawing Title

LEVEL 4 FRAMING PLAN

Drawn	Date
RT	10/15/2018 4:41:40 PM
Checked By	Drawing Number
JS	S-104.0
Approved	
RH	
Job Number	
B1605877	

TRUE NORTH
PROJECT NORTH

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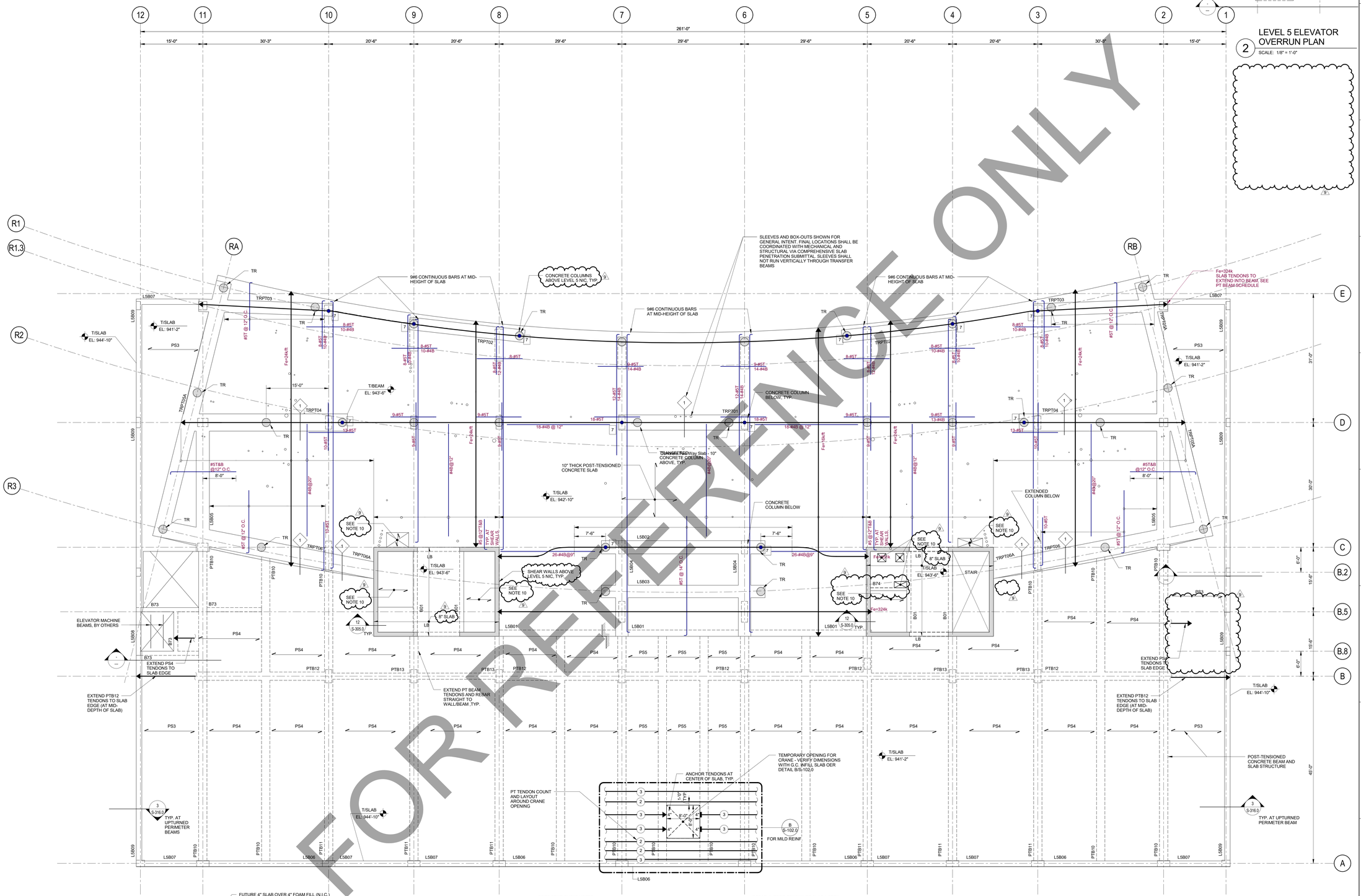
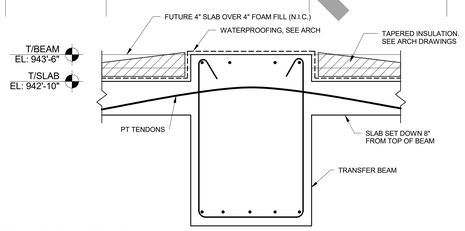


2 LEVEL 5 ELEVATOR OVERRUN PLAN

SCALE: 1/8" = 1'-0"



1 LEVEL 5 SECTION

SCALE: 3/4" = 1'-0"

POST-TENSIONING NOTES:

1. SEE DRAWINGS S-001.0 FOR POST-TENSIONED CONCRETE NOTES.
2. SEE DETAIL 4/S-311.0 FOR TYPICAL TWO WAY SLAB TENDON LAYOUT.
3. "PSX" DENOTES POST-TENSIONED ONE-WAY SLAB. SEE DETAIL 1/S-311.0 FOR TYPICAL ONE WAY SLAB TENDON LAYOUT.
4. "PTBXX" OR "TRPTXX" DENOTES POST-TENSIONED CONCRETE BEAM. SEE SHEET S-309.0 FOR TYP. POST- TENSIONED CONCRETE BEAM ELEVATIONS.
5. PT TENDONS SHALL BE BANDED IN E-W DIRECTION AND UNIFORMLY DISTRIBUTED IN N-S DIRECTION. SEE PLAN FOR DETAILS.
6. TYPICAL BAND WIDTH SHALL BE 5'-0" UNO ON PLANS AND CENTERED ON COLUMNS.
7. FOR UNIFORMLY DISTRIBUTED DIRECTION PLACE AT LEAST TWO TENDONS DIRECTLY OVER COLUMN AND SPACE THE REMAINING TENDONS EQUALLY BETWEEN COLUMNS.
9. PT TENDONS SHALL BE PLACED IN A PARABOLIC WITHIN THE SLAB. THE CENTER OF GRAVITY OF TENDONS SHALL BE AS FOLLOWS (U.N.O. ON PLAN)

   - AT ALL ANCHOR LOCATIONS = MID-DEPTH OF SLAB = 5"
   - AT INTERIOR COLUMNS & WALL SUPPORTS = 8.75" [HIGH POINTS]
   - AT EXTERIOR COLUMNS & WALL SUPPORTS = MID-DEPTH OF SLAB = 5"
   - AT MIDSPANS = 1" [LOW POINTS]

10. THE PLACING SEQUENCE OF PT TENDONS AND MILD STEEL REBARS SHALL BE AS PER THE PLACEMENT DIAGRAMS SHOWN IN DETAIL S/S-311.0.
11. GENTLY SLOPE CABLE AROUND OPENINGS (1:8 MIN) AS INDICATED ON PLANS & DETAIL 6/S-310.0.
12. SEE ARCHITECTURAL AND MEP DRAWINGS FOR LOCATION AND DIMENSIONS OF SLAB OPENINGS. PROVIDE SUPPLEMENTAL REINFORCEMENT AROUND OPENINGS AS PER DETAIL 6 & 7/S-310.0.
13. FOR ENCAPSULATION REQUIREMENT OF TENDONS & ANCHORAGES, SEE POST-TENSIONED SLAB CONCRETE NOTES ON THE GENERAL NOTES SHEET.

REBAR IN POST-TENSIONED SLAB NOTES:

1. TOP STEEL (BONDED REINFORCEMENT) AT COLUMNS SHALL BE PLACED BETWEEN LINES THAT ARE 1.5h (h=SLAB THICKNESS) OUTSIDE OPPOSITE FACES OF THE COLUMN SUPPORT. SPACING OF THIS REINFORCEMENT SHALL NOT EXCEED 12".
2. FOR LENGTH OF MILD STEEL REINFORCEMENT, SEE TYPICAL DETAILS ON S-311.0.

GENERAL NOTES:

1. T/SLAB ELEVATION VARIES. SEE ARCHITECTURAL DRAWINGS.
2. SEE CONCRETE COLUMN SCHEDULE ON S-301.0.
3. COLUMNS ARE CENTERED ON THE GRID LINES UNLESS NOTED OTHERWISE.
4. SEE REINFORCED CONCRETE SHEAR WALL ELEVATIONS AND DETAILS ON SHEETS S-304.0 AND S-305.0.
5. COORDINATE SLAB PENETRATIONS WITH ARCHITECTURAL AND MEP/FP DRAWINGS.
6. "BXX" OR "LSBXX" DENOTES REINFORCED CONCRETE BEAM. SEE TYPIAL DETAILS AND SCHEDULE ON S-306.0.
7. SEE SHEET S-310.0 FOR STUD RAIL REINFORCING DETAILS AND SCHEDULE
8. SLAB HAS BEEN DESIGNED FOR LOADS ON LOADING DIAGRAMS PLUS ADDITIONAL ALLOWANCE FOR 4" TOPPING + 4" FOAM FILL FOR FUTURE CONSTRUCTION
9. SLEEVES AND BOX-OUTS SHOWN FOR GENERAL INTENT. FINAL LOCATIONS SHALL BE COORDINATED WITH MECHANICAL AND STRUCTURAL VIA COMPREHENSIVE SLAB PENETRATION SUBMITTAL.
10. INFILL SLAB OPENINGS WITH COMPOSITE METAL DECK SLAB , SEE 12/S-305.0

A LEVEL 5 FRAMING PLAN

SCALE: 1/8" = 1'-0"

General Notes

LEGEND

N.I.C. — CONSTRUCTION ITEMS FOR REFERENCE ONLY - NOT IN CONTRACT

No.	Description	Date
9	BULLETIN #7	10/15/2018
8	FINAL BULLETIN #6	9/14/2018
7	BULLETIN #6	08/03/2018
6	BID DOCUMENTS	09/07/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE

Drawing Title

LEVEL 5 FRAMING PLAN

Drawn	Date
RT	10/17/2018 9:38:42 AM
Checked By	**Drawing Number**
JS	S-105.0
Approved	
RH	
Job Number	
B1605877	

TRUE NORTH / PROJECT NORTH

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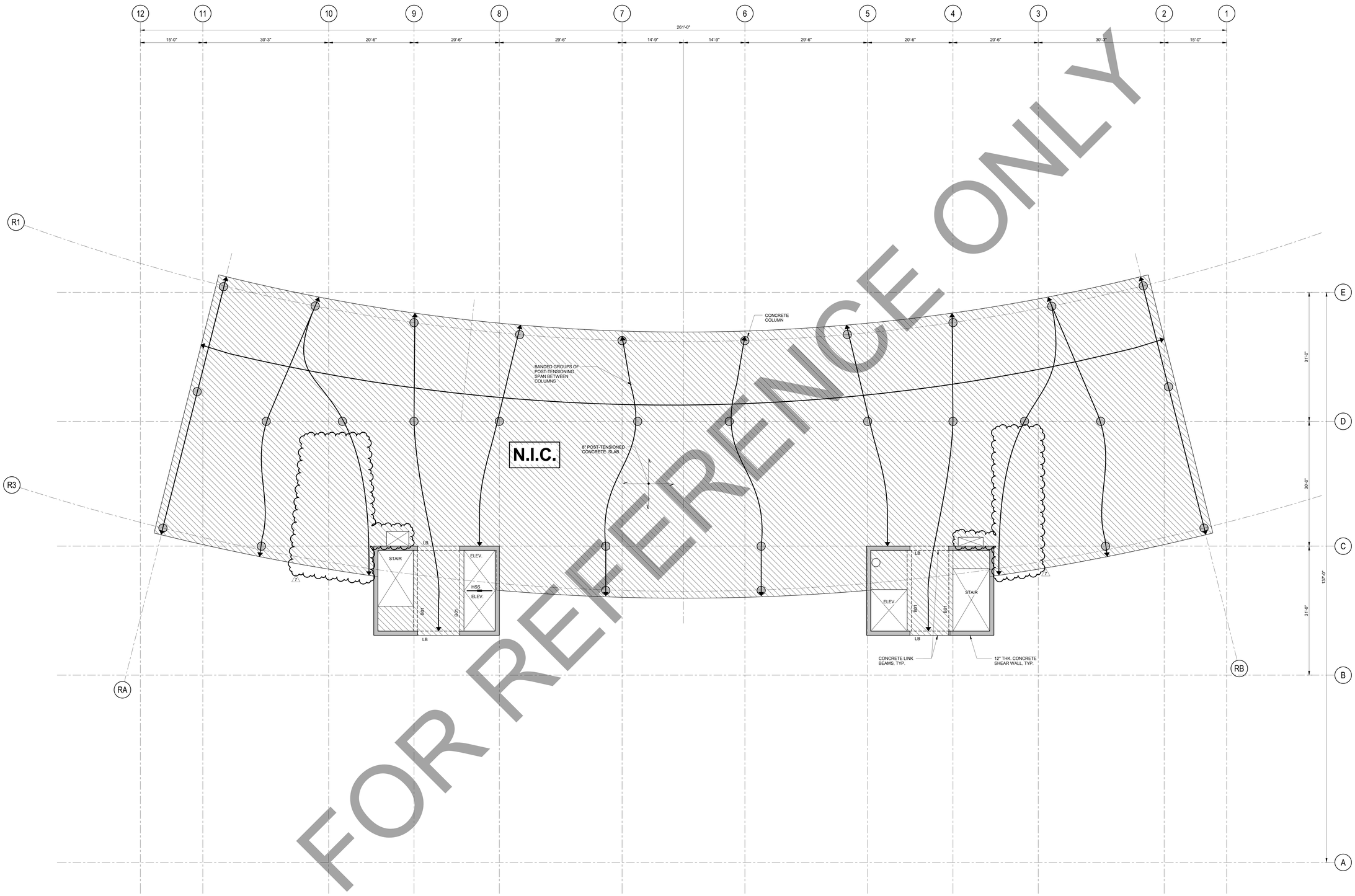

FOR REFERENCE ONLY

A LEVEL 6-14 TYPICAL FRAMING PLAN

SCALE: 1/8" = 1'-0"

General Notes

LEGEND

N.I.C. CONSTRUCTION ITEMS FOR REFERENCE ONLY - NOT IN CONTRACT

No.	Description	Date
7	FINAL BULLETIN #6	9/14/2018
6	BID DOCUMENTS	09/07/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS
MADISON | CHICAGO | ST. LOUIS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS
A WSP | PARSONS BRINCKERHOFF COMPANY

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

LEVEL 6-14 TYPICAL FRAMING PLAN

Drawn	Date
RT	9/14/2018 2:43:20 PM
Checked By	Drawing Number
JS	
Approved	
RH	
Job Number	
B1605877	

S-106.0

TRUE NORTH
PROJECT NORTH

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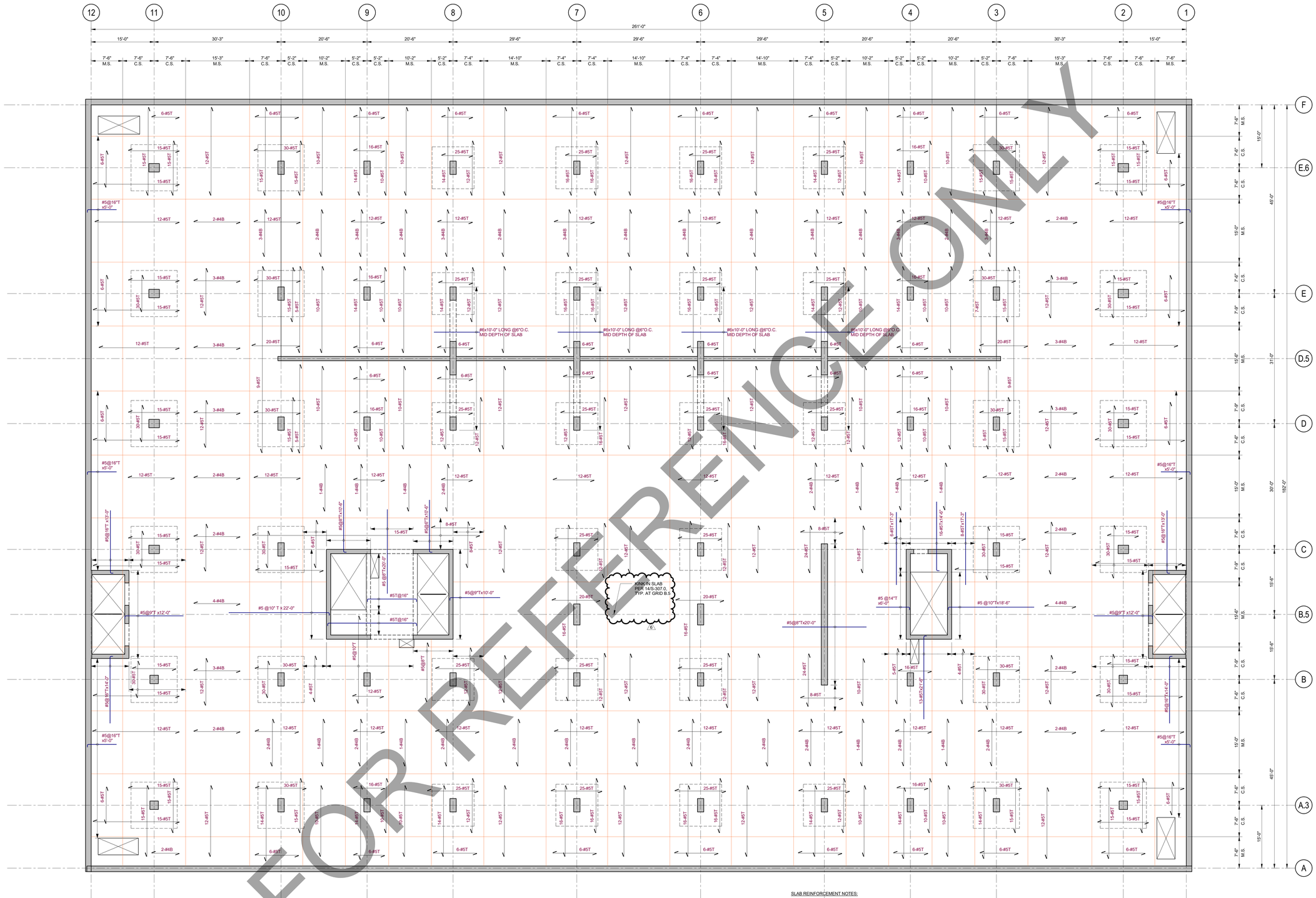
9/14/2018 2:43:20 PM



FOR REFERENCE ONLY

SLAB REINFORCEMENT NOTES:

1. SEE S-100.3 FOR LEVEL U3-U1 FRAMING PLAN.
2. TYPICAL SLAB REINFORCEMENT IS AS FOLLOWS:

   BOTTOM BARS: #4@12" O.C. EACH WAY, ADDITIONAL BARS AS NOTED IN PLAN.
   TOP BARS: AS SHOWN IN PLAN.

   TOP BARS AND ADDITIONAL BOTTOM BARS NOTED USING THE FOLLOWING ANNOTATION:

   12 - #4 B

   DENOTES NUMBER OF BARS
   DENOTES SIZE OF BARS
   T = TOP BARS
   B = ADDITIONAL BOTTOM BARS
   DENOTES DIRECTION OF BARS

3. SEE S-307.0 AND S-308.0 FOR SLAB TYPICAL REINFORCEMENT DETAILS.
4. SEE S-001.0 FOR STRUCTURAL CONCRETE NOTES.
5. ADDITIONAL REINFORCEMENT SHALL BE PROVIDED AROUND ALL MEP PENETRATIONS PER S-307.0. REFER TO MEP DRAWINGS FOR ALL REQUIRED PENETRATIONS AND BLOCK OUTS.

A LEVEL U3-U1 REINFORCING PLAN
SCALE: 1/8" = 1'-0"

General Notes

No.	Description	Date
6	BULLETIN #5	05/14/2018
5	BID DOCUMENTS	09/07/2017
4	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
3	ISSUED FOR FINAL BID	06/23/2017
2	ISSUED FOR BID	06/16/2017
1	ISSUED FOR 100% CD'S/OWNER REVIEW	06/01/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

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INSITE CONSULTING ARCHITECTS
MADISON CHICAGO ST. LOUIS

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MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

LEVEL U3-U1 REINFORCING PLAN

Drawn	Date
RT	5/11/2018 2:47:07 PM
Checked By	Drawing Number
JS	
Approved	
RH	
Job Number	
B1605877	

S-120.3

TRUE NORTH
PROJECT NORTH

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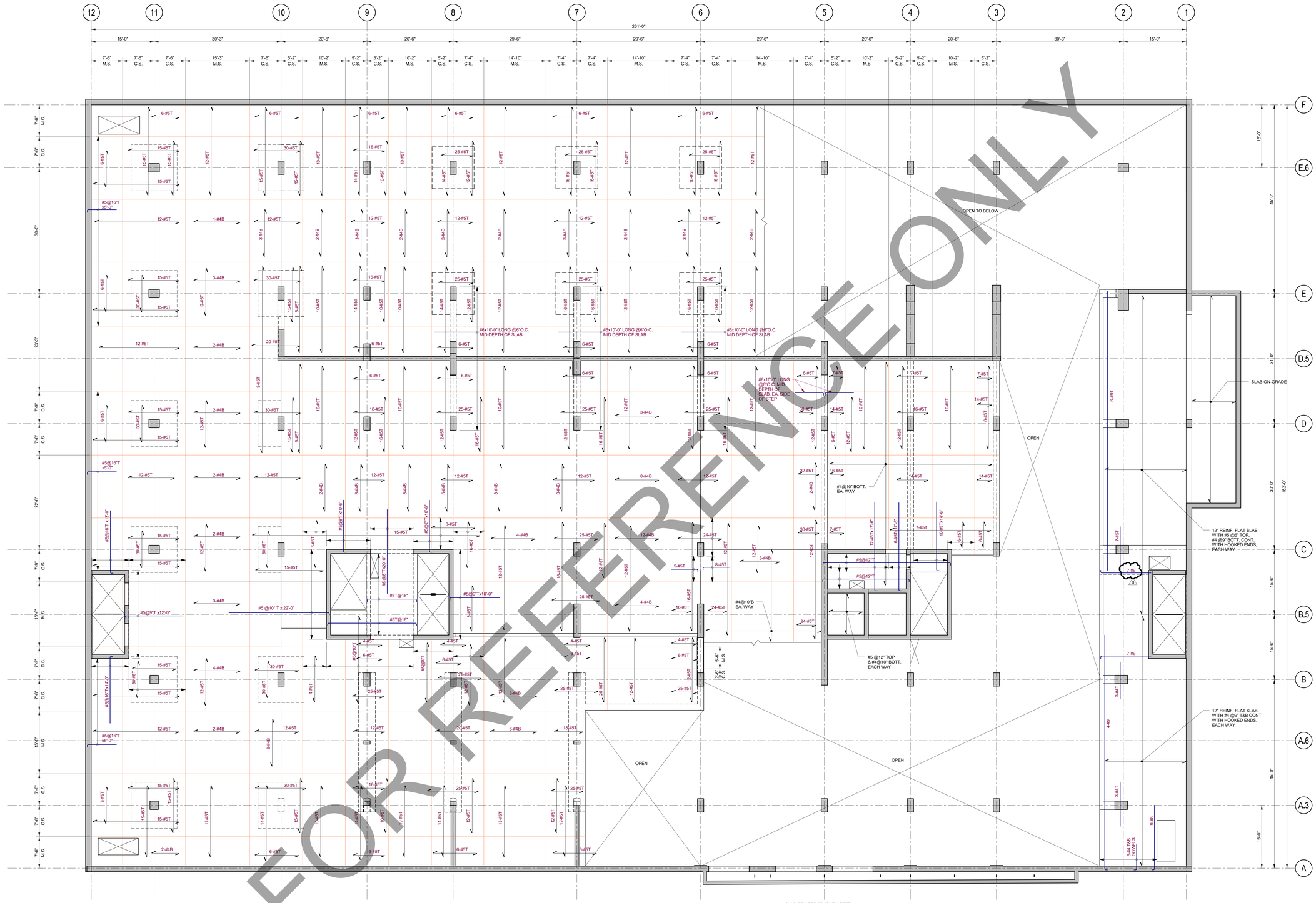

FOR REFERENCE ONLY

SLAB REINFORCEMENT NOTES:

1. SEE S-100.5 FOR LEVEL U0 FRAMING PLAN.
2. TYPICAL SLAB REINFORCEMENT IS AS FOLLOWS:

   BOTTOM BARS: #4@12" O.C. EACH WAY(U.N.O. IN PLAN), ADDITIONAL BARS AS NOTED IN PLAN.
   TOP BARS: AS SHOWN IN PLAN.

   TOP BARS AND ADDITIONAL BOTTOM BARS NOTED USING THE FOLLOWING ANNOTATION:

   12 - #4 B
   - DENOTES NUMBER OF BARS
   - DENOTES SIZE OF BARS
   - T = TOP BARS; B = ADDITIONAL BOTTOM BARS
   - DENOTES DIRECTION OF BARS

3. SEE S-307.0 AND S-308.0 FOR SLAB TYPICAL REINFORCEMENT DETAILS.
4. SEE S-001.0 FOR STRUCTURAL CONCRETE NOTES.
5. ADDITIONAL REINFORCEMENT SHALL BE PROVIDED AROUND ALL MEP PENETRATIONS PER S-307.0. REFER TO MEP DRAWINGS FOR ALL REQUIRED PENETRATIONS AND BLOCK OUTS.

A LEVEL U0 REINFORCING PLAN
SCALE: 1/8" = 1'-0"

TRUE NORTH
PROJECT NORTH

General Notes

No.	Description	Date
8	BULLETIN #5	05/14/2018
7	BID DOCUMENTS	09/07/2017
6	ADDENDUM 3	08/02/2017
5	ADDENDUM 2	07/28/2017
4	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
3	ISSUED FOR FINAL BID	06/23/2017
2	ISSUED FOR BID	06/16/2017
1	ISSUED FOR 100% CD'S/OWNER REVIEW	06/01/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

LEVEL U0 REINFORCING PLAN

Drawn	Date
RT	5/11/2018 2:47:11 PM
Checked By	**Drawing Number**
JS	S-120.5
Approved	
RH	
Job Number	
B1605877	

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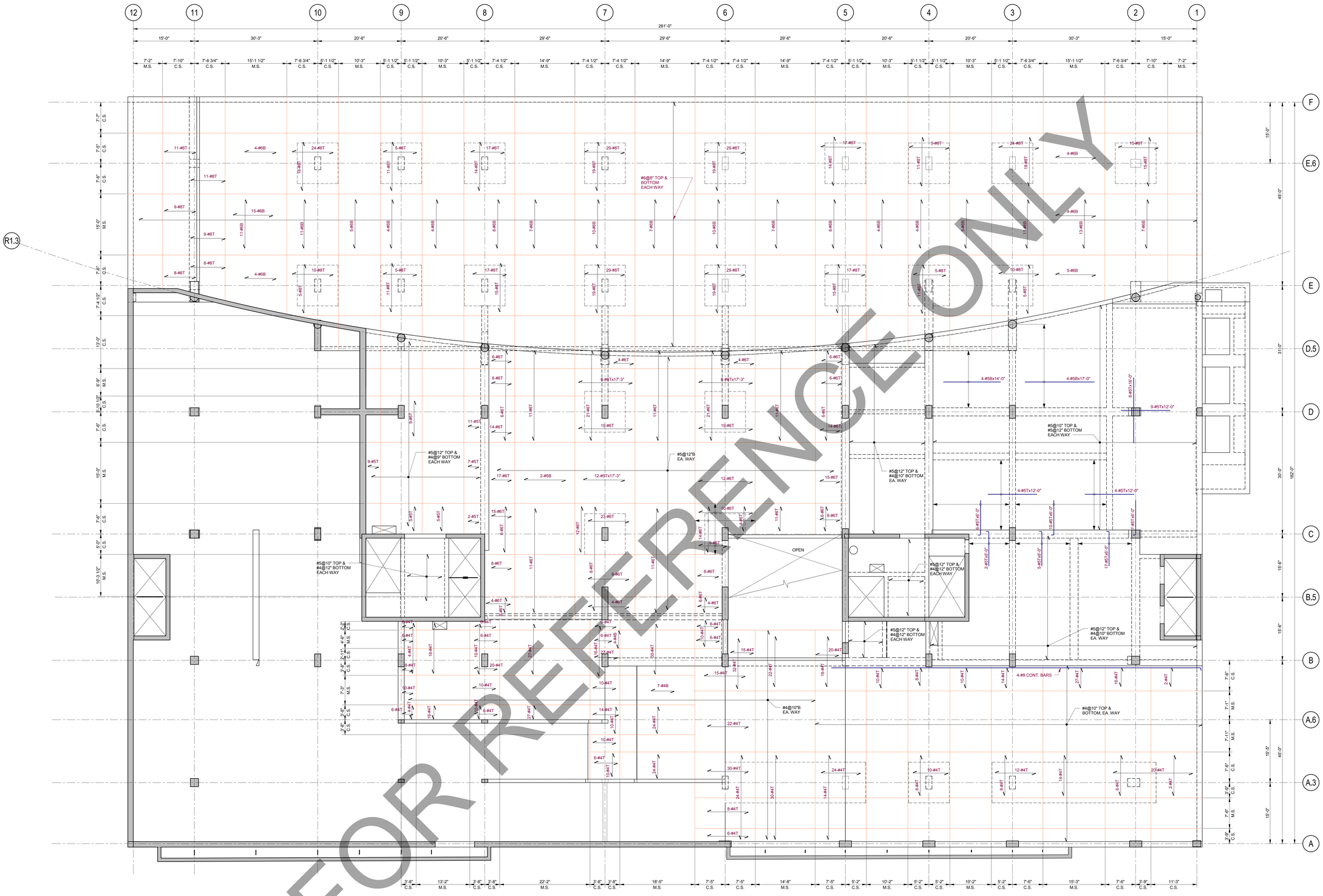

FOR REFERENCE ONLY

SLAB REINFORCEMENT NOTES:

1. SEE S-101.0 FOR LEVEL 1 FRAMING PLAN.
2. SEE S-307.0 AND S-308.0 FOR SLAB TYPICAL REINFORCEMENT DETAILS.
3. SEE S-001.0 FOR STRUCTURAL CONCRETE NOTES.
4. ADDITIONAL REINFORCEMENT SHALL BE PROVIDED AROUND ALL MEP PENETRATIONS PER S-307.0. REFER TO MEP DRAWINGS FOR ALL REQUIRED PENETRATIONS AND BLOCK OUTS.
5. TOP AND BOTTOM BARS CALLED OUT IN COLUMN AND MIDDLE STRIPS ARE IN ADDITION TO UNIFORM TOP AND BOTTOM BARS IDENTIFED ON PLAN (VARIES)

ADDITIONAL TOP AND BOTTOM BARS NOTED USING THE FOLLOWING ANNOTATION:

12 - #4 B

- DENOTES NUMBER OF BARS
- DENOTES SIZE OF BARS
- T = TOP BARS; B = ADDITIONAL BOTTOM BARS
- DENOTES DIRECTION OF BARS

A LEVEL 1 REINFORCING PLAN

SCALE: 1/8" = 1'-0"

General Notes

No.	Description	Date
5	BID DOCUMENTS	09/07/2017
4	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
3	ISSUED FOR FINAL BID	06/23/2017
2	ISSUED FOR BID	06/16/2017
1	ISSUED FOR 100% CD'S/OWNER REVIEW	06/01/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

LEVEL 01 REINFORCING PLAN

Drawn	Date
RT	9/6/2017 12:17:10 PM
Checked By	Drawing Number
JS	S-121.0
Approved	
RH	
Job Number	
B1605877	

TRUE NORTH
PROJECT NORTH

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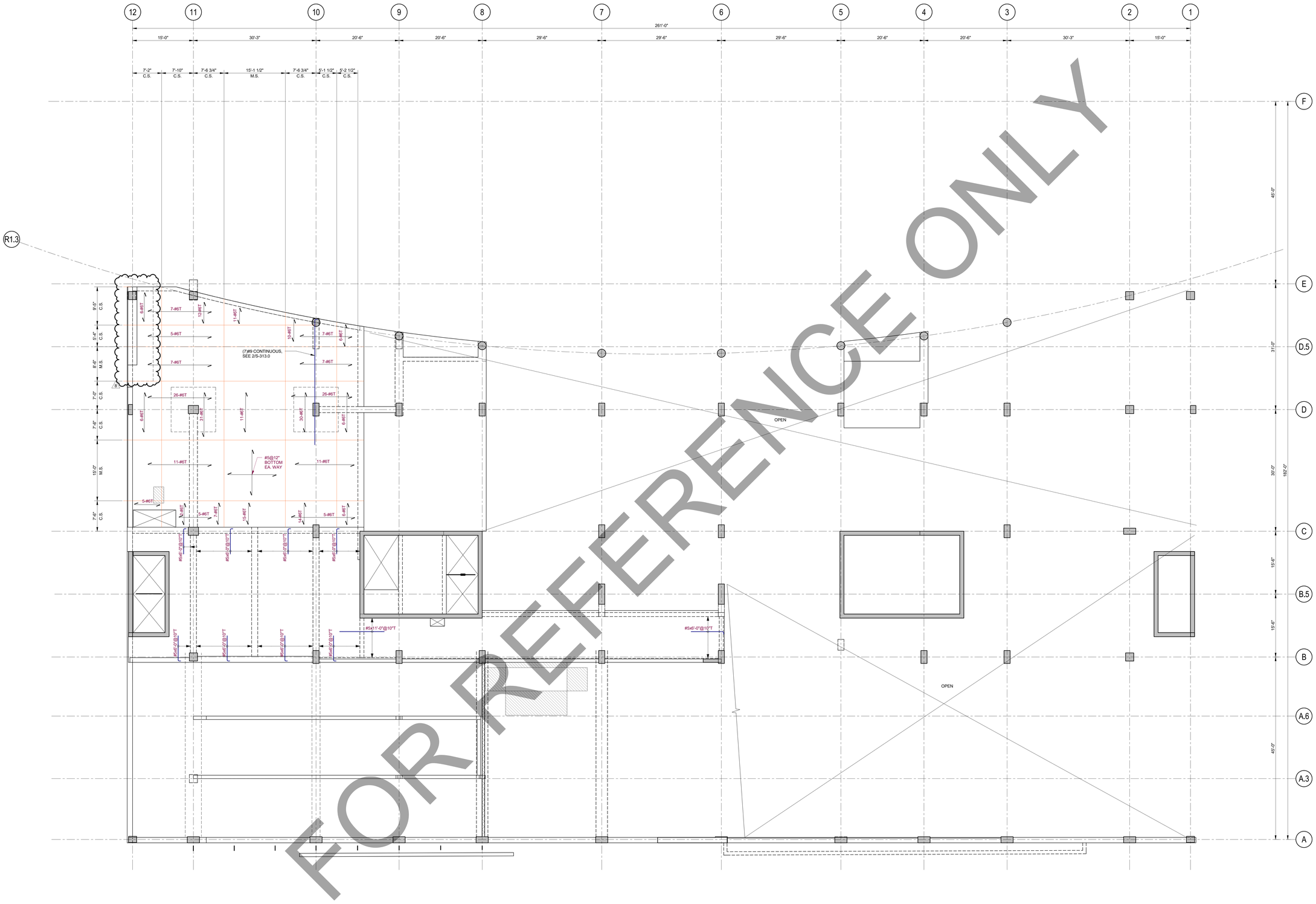

FOR REFERENCE ONLY

A LEVEL 2 REINFORCING PLAN

SCALE: 1/8" = 1'-0"

General Notes

No.	Description	Date
8	FINAL BULLETIN #6	9/14/2018
7	BULLETIN #2	12/07/2017
6	BID DOCUMENTS	09/07/2017
5	ADDENDUM 2	07/28/2017
4	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
3	ISSUED FOR FINAL BID	06/23/2017
2	ISSUED FOR BID	06/16/2017
1	ISSUED FOR 100% CD'S/OWNER REVIEW	06/01/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS
MADISON | CHICAGO | ST. LOUIS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS
A WSP | PARSONS BRINCKERHOFF COMPANY

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

LEVEL 2 REINFORCING PLAN

Drawn	Date
RT	9/14/2018 2:43:27 PM
Checked By	Drawing Number
JS	
Approved	
RH	
Job Number	
B1605877	

S-122.0

TRUE NORTH
PROJECT NORTH

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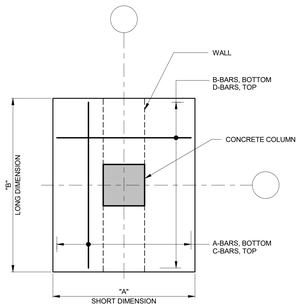
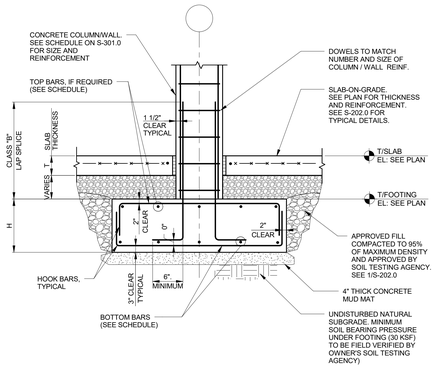


NOTE:
1. SEE THE REINFORCED CONCRETE FOOTING SCHEDULE FOR FOOTING DIMENSIONS AND REINFORCEMENT.

1 TYPICAL SPREAD FOOTING PLAN

SCALE: NOT TO SCALE

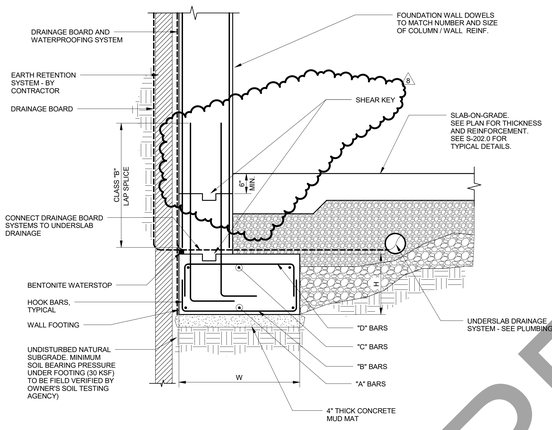


2 TYPICAL FOOTING SECTION

SCALE: NOT TO SCALE

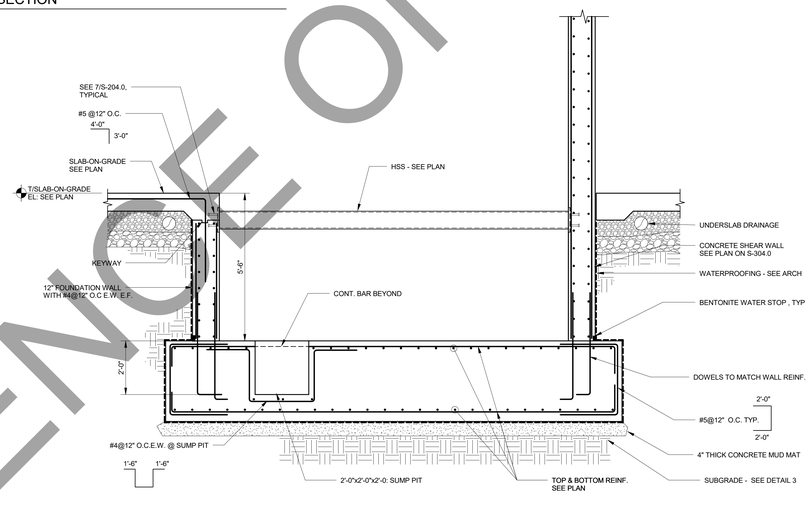
REINFORCED CONCRETE SPREAD FOOTING SCHEDULE								
FOOTING MARK	FOOTING DIMENSIONS			REINFORCEMENT				REMARKS
				BOTTOM BARS		TOP BARS		
	WIDTH "W"	LENGTH "L"	DEPTH "H"	A-BARS	B-BARS	C-BARS	D-BARS	
F4	4'-0"	4'-0"	1'-2"	6-#6	6-#6	---	---	
F5	5'-0"	5'-0"	1'-8"	9-#6	9-#6	---	---	
F6	6'-0"	6'-0"	2'-0"	10-#7	10-#7	---	---	
F7	7'-0"	7'-0"	2'-6"	12-#8	12-#8	---	---	
F8	8'-0"	8'-0"	2'-10"	15-#8	15-#8	---	---	
F9	9'-0"	9'-0"	3'-2"	19-#8	19-#8	---	---	

REINFORCED CONCRETE WALL FOOTING SCHEDULE							
FOOTING MARK	DIMENSIONS		REINFORCEMENT				REMARKS
			BOTTOM BARS		TOP BARS		
	WIDTH	DEPTH	A-BARS (SHORT SIDE)	B-BARS (LONG.)	C-BARS (SHORT SIDE)	D-BARS (LONG.)	
RF2	2'-0"	1'-6"	4-#4	#6@12"	---	---	
SF2	2'-0"	1'-6"	4-#4	#6@12"	---	---	
SF4	4'-0"	1'-6"	6-#5	#7@10"	---	---	
SF6	6'-0"	2'-0"	8-#6	#8@8"	---	---	
RF1.5	1'-6"	1'-6"	3-#4	#6@12"	---	---	



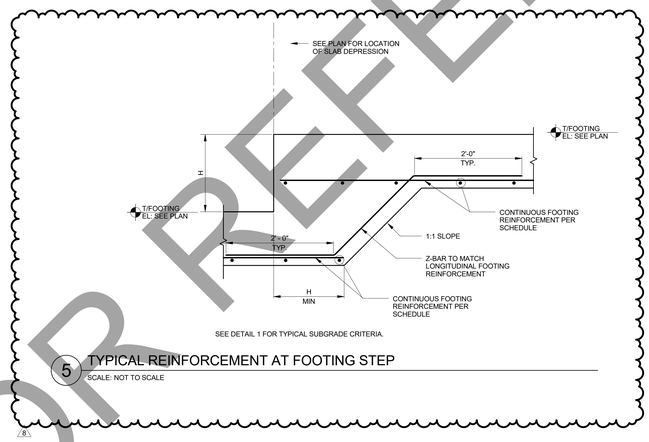
3 TYPICAL FOUNDATIN WALL FOOTING SECTION

SCALE: 3/4" = 1'-0"



4 TYPICAL ELEVATOR PIT DETAIL

SCALE: 1/2" = 1'-0"



SEE DETAIL 1 FOR TYPICAL SUBGRADE CRITERIA.

5 TYPICAL REINFORCEMENT AT FOOTING STEP

SCALE: NOT TO SCALE

FOR REFERENCE ONLY

General Notes

No.	Description	Date
8	BULLETIN #5	05/14/2018
7	BID DOCUMENTS	09/07/2017
6	ADDENDUM 2	07/28/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano
ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

FOOTING SCHEDULE, SECTIONS AND DETAILS

Drawn	Date
RT	5/11/2018 2:47:15 PM
Checked By	Drawing Number
JS	S-201.0
Approved	
RH	
Job Number	
B1605877	

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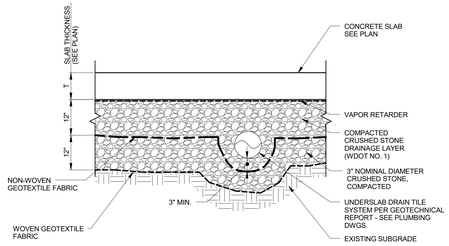
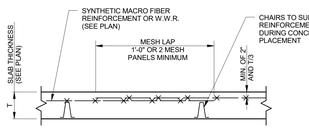


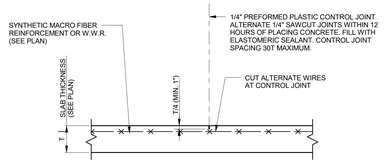
NOTES:
1. SEE GEOTECHNICAL REPORT FOR SLAB-ON-GRADE AND SUBGRADE RECOMMENDATIONS.
2. LOCATE UNDERSLAB DRAINAGE TILE IN COMPACTED CRUSHED STONE DRAINAGE LAYER.
3. SEE DETAIL 19 FOR PRESSURE RELIEF PORTS.

1 TYPICAL SLAB-ON-GRADE SUBGRADE DETAIL
SCALE: NOT TO SCALE



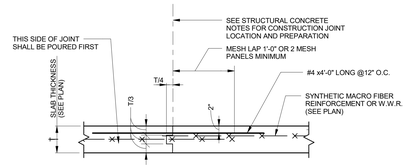
NOTES:
1. SEE DETAIL 1 FOR TYPICAL SUBGRADE CRITERIA
2. MESH LAPS MUST BE TIED SECURELY.

2 TYPICAL SLAB-ON-GRADE DETAIL
SCALE: NOT TO SCALE



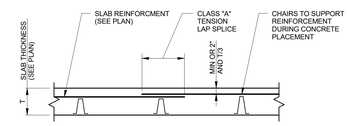
SEE DETAIL 1 FOR TYPICAL SUBGRADE CRITERIA.

3 TYPICAL SLAB-ON-GRADE CONTROL JOINT
SCALE: NOT TO SCALE



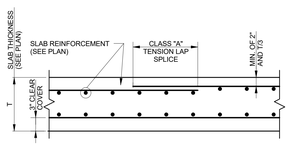
SEE DETAIL 1 FOR TYPICAL SUBGRADE CRITERIA.

4 TYPICAL SLAB-ON-GRADE CONSTRUCTION JOINT
SCALE: NOT TO SCALE



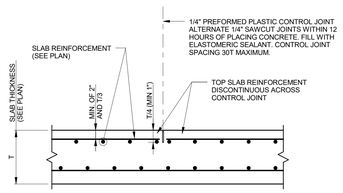
SEE DETAIL 1 FOR TYPICAL SUBGRADE CRITERIA.

5 TYPICAL SLAB-ON-GRADE DETAIL - MILD STEEL
SCALE: NOT TO SCALE



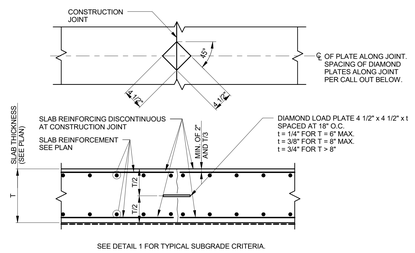
1. SEE DETAIL 1 FOR TYPICAL SUBGRADE CRITERIA

6 TYPICAL STRUCTURAL SLAB-ON-GRADE DETAIL
SCALE: NOT TO SCALE



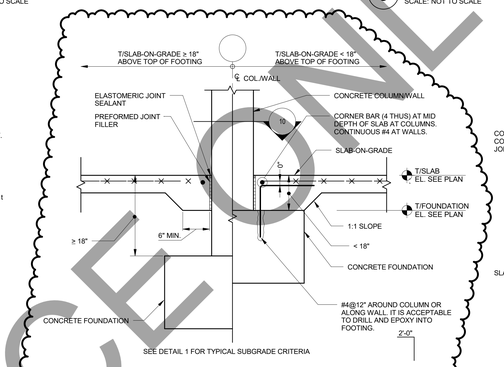
NOTE:
SEE DETAIL 1 FOR TYPICAL SUBGRADE CRITERIA.

7 TYPICAL STRUCTURAL SLAB-ON-GRADE CONTROL JOINT
SCALE: NOT TO SCALE



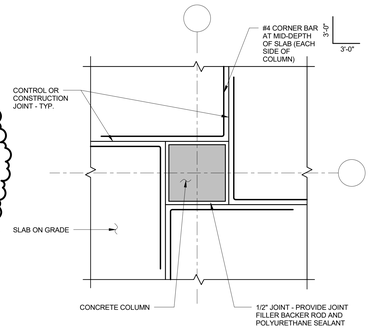
SEE DETAIL 1 FOR TYPICAL SUBGRADE CRITERIA.

8 TYPICAL STRUCTURAL SLAB-ON-GRADE CONSTRUCTION JOINT
SCALE: NOT TO SCALE

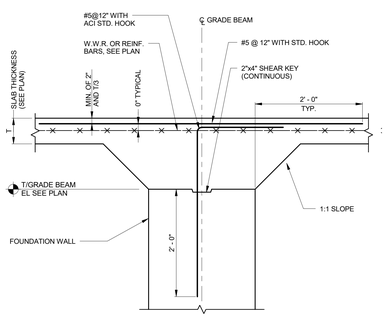


SEE DETAIL 1 FOR TYPICAL SUBGRADE CRITERIA

9 SLAB-ON-GRADE AT CONCRETE COLUMN/WALL FOUNDATION
SCALE: NOT TO SCALE

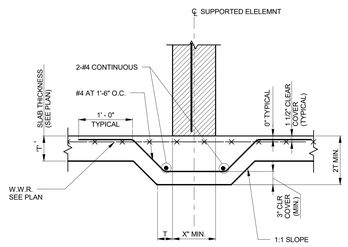


10 SLAB-ON-GRADE PLAN DETAIL AT CONCRETE COLUMN
SCALE: NOT TO SCALE



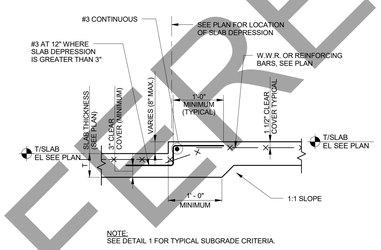
SEE DETAIL 1 FOR TYPICAL SUBGRADE CRITERIA.

11 SLAB-ON-GRADE AT FOUNDATION WALL
SCALE: NOT TO SCALE



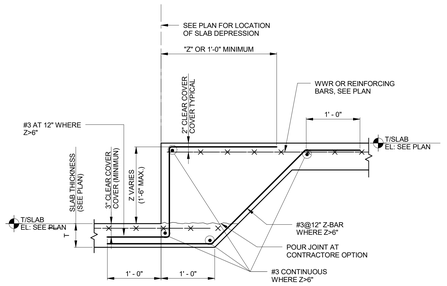
NOTE:
SEE DETAIL 1 FOR TYPICAL SUBGRADE CRITERIA.

12 THICKENED SLAB-ON-GRADE DETAIL
SCALE: NOT TO SCALE



NOTE:
SEE DETAIL 1 FOR TYPICAL SUBGRADE CRITERIA.

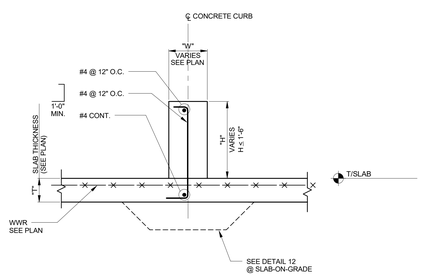
13 TYPICAL SLAB-ON-GRADE STEP DETAIL
SCALE: NOT TO SCALE



SEE DETAIL 1 FOR TYPICAL SUBGRADE CRITERIA.

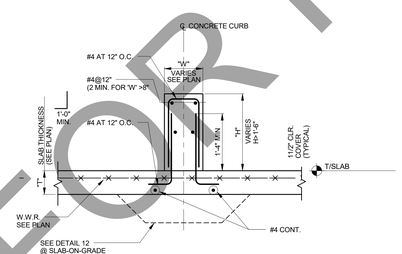
14 TYPICAL SLAB-ON-GRADE STEP DETAIL (Z=1'-6" MAX)
SCALE: NOT TO SCALE

15 NOT USED
SCALE: NOT TO SCALE



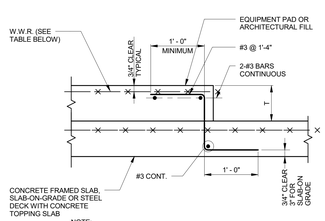
NOTES:
1. SEE ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR CONCRETE CURB SIZES AND LOCATION.
2. SEE DETAIL 1 FOR TYPICAL SUBGRADE CRITERIA.

16 CONCRETE CURB (H ≤ 1'-6" AND W ≤ 6")
SCALE: NOT TO SCALE



NOTES:
1. SEE ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR CONCRETE CURB SIZES AND LOCATION.
2. SEE DETAIL 1 FOR TYPICAL SUBGRADE CRITERIA.

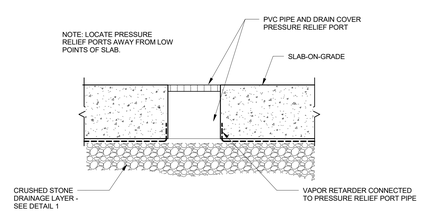
17 CONCRETE CURB (H > 1'-6" AND < 3'-0" AND W < 12")
SCALE: NOT TO SCALE



NOTE:
1. SEE ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR EQUIPMENT PAD OR FILL SIZE AND LOCATION.

EQUIPMENT PAD OR ARCH. FILL W.W.R.	
T (IN)	WELDED WIRE REINF.
2, 3	4x4-W2.5xW2.5
4	4x4-W2.9xW2.9
6	4x4-W4.5xW4.5

18 TYPICAL EQUIPMENT PAD DETAIL
SCALE: NOT TO SCALE



19 TYPICAL SLAB-ON-GRADE PRESSURE RELIEF PORT DETAIL
SCALE: NOT TO SCALE

FOR REFERENCE ONLY

General Notes

No.	Description	Date
7	BULLETIN #5	05/14/2018
6	BID DOCUMENTS	09/07/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE

Drawing Title

SLAB-ON-GRADE SECTIONS AND DETAILS

Drawn	Date
RT	5/11/2018 2:47:23 PM
Checked By	Drawing Number
JS	S-202.0
Approved	
RH	
Job Number	
B1605877	

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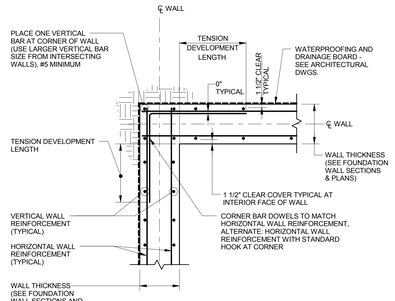
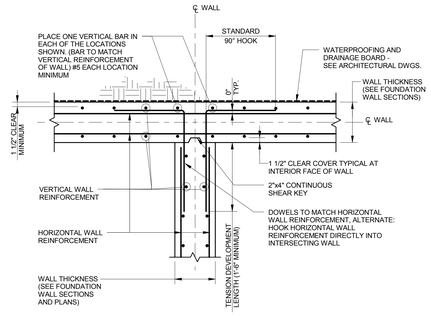
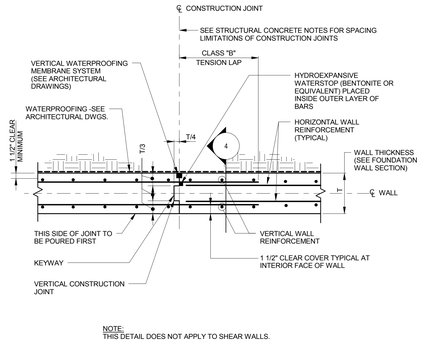


1 FOUNDATION WALL CORNER DETAIL
SCALE: NOT TO SCALE

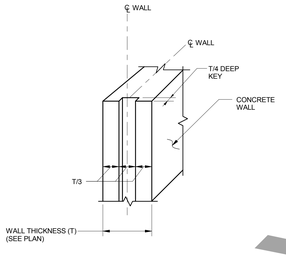


2 FOUNDATION WALL INTERSECTION DETAIL
SCALE: NOT TO SCALE



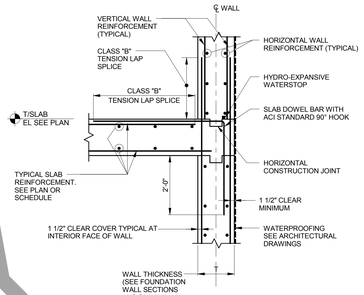
NOTE:
THIS DETAIL DOES NOT APPLY TO SHEAR WALLS.

3 TYPICAL WALL CONSTRUCTION JOINT DETAIL - SECTION AT VERTICAL JOINT
SCALE: NOT TO SCALE



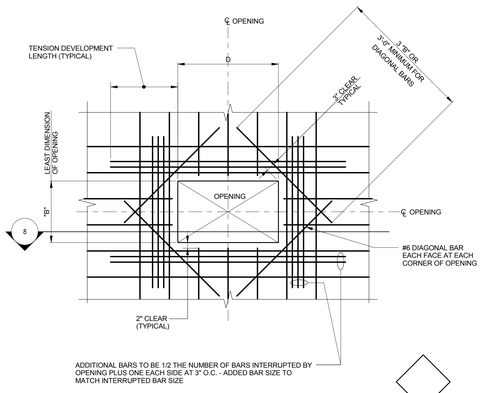
NOTE:
1. WATERSTOP NOT SHOWN FOR CLARITY.

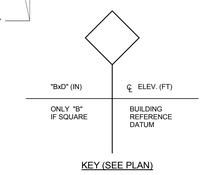
4 TYPICAL SHEAR KEY DETAIL - VERTICAL SECTION THROUGH WALL AT CONSTRUCTION JOINT
SCALE: NOT TO SCALE



NOTE:
1. PROVIDE TENSION SPLICE FOR LARGER SIZE BAR ABOVE OR BELOW THE CONSTRUCTION JOINT.

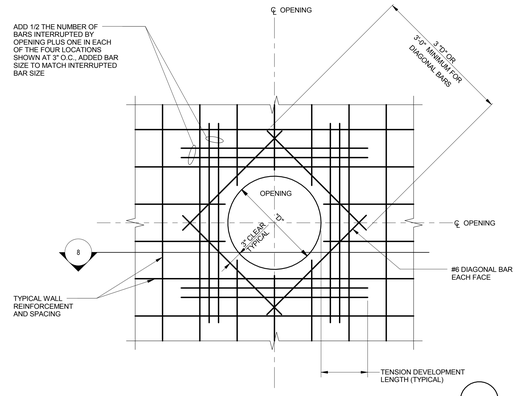
5 TYPICAL FOUNDATION WALL CONSTRUCTION JOINT DETAIL - SECTION AT HORIZONTAL JOINT
SCALE: NOT TO SCALE

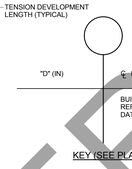




KEY (SEE PLAN)

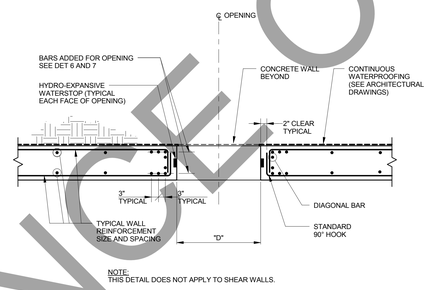
6 TYPICAL FOUNDATION WALL OPENING (RECTANGULAR)
SCALE: NOT TO SCALE





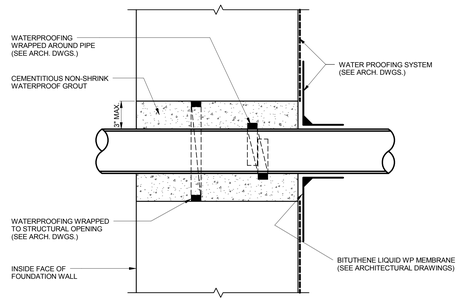
KEY (SEE PLAN)

7 TYPICAL FOUNDATION WALL OPENING (CIRCULAR)
SCALE: NOT TO SCALE

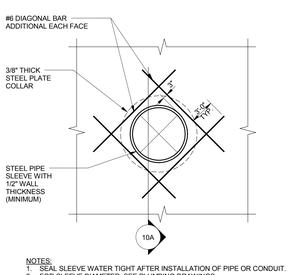


NOTE:
THIS DETAIL DOES NOT APPLY TO SHEAR WALLS.

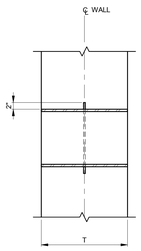
8 TYPICAL SECTION AT FOUNDATION WALL OPENING
SCALE: NOT TO SCALE



9 PIPE THROUGH OVERSIZED FOUNDATION WALL OPENING
SCALE: NOT TO SCALE

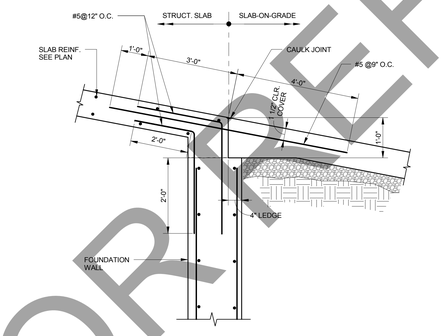


NOTES:
1. SEAL SLEEVE WATER TIGHT AFTER INSTALLATION OF PIPE OR CONDUIT.
2. FOR SLEEVE DIAMETER, SEE PLUMBING DRAWINGS.
3. SEE ARCHITECTURAL DRAWINGS FOR WATERPROOFING DETAILS.



SECTION 10A

10 REINFORCED SLEEVE THRU FOUNDATION WALL
SCALE: NOT TO SCALE



11 TYPICAL FOUNDATION WALL TO RAMP SLAB SECTION
SCALE: NOT TO SCALE

FOR REFERENCE ONLY

General Notes

No.	Description	Date
6	BID DOCUMENTS	09/07/2017
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JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

FOUNDATION WALL SECTIONS AND DETAILS

Drawn	Date
RT	9/6/2017 12:17:41 PM
Checked By	Drawing Number
JS	
Approved	
RH	S-203.0
Job Number	
B1605877	

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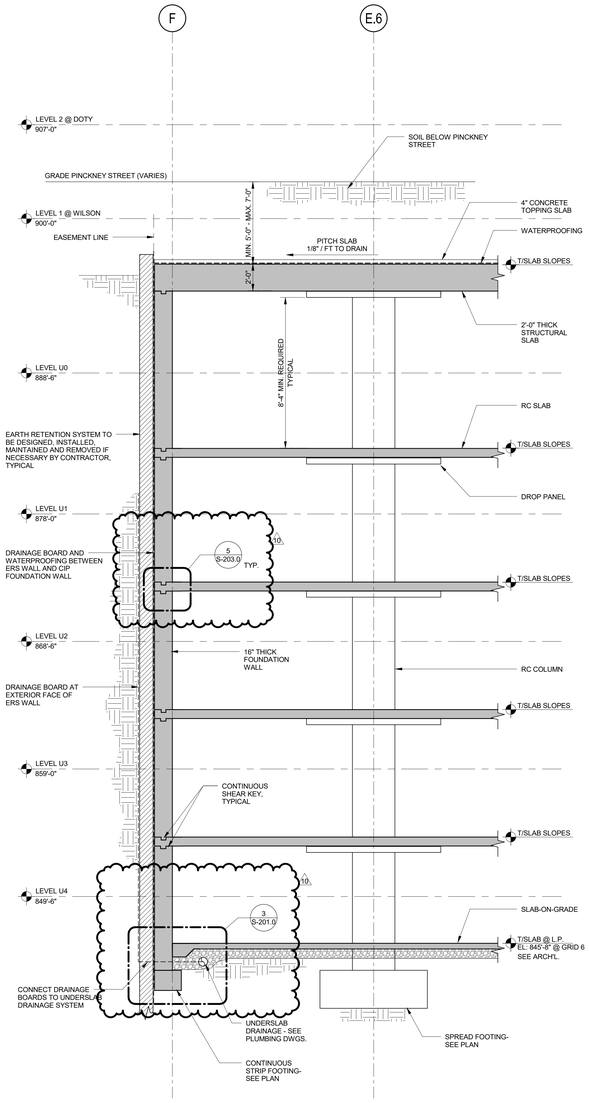
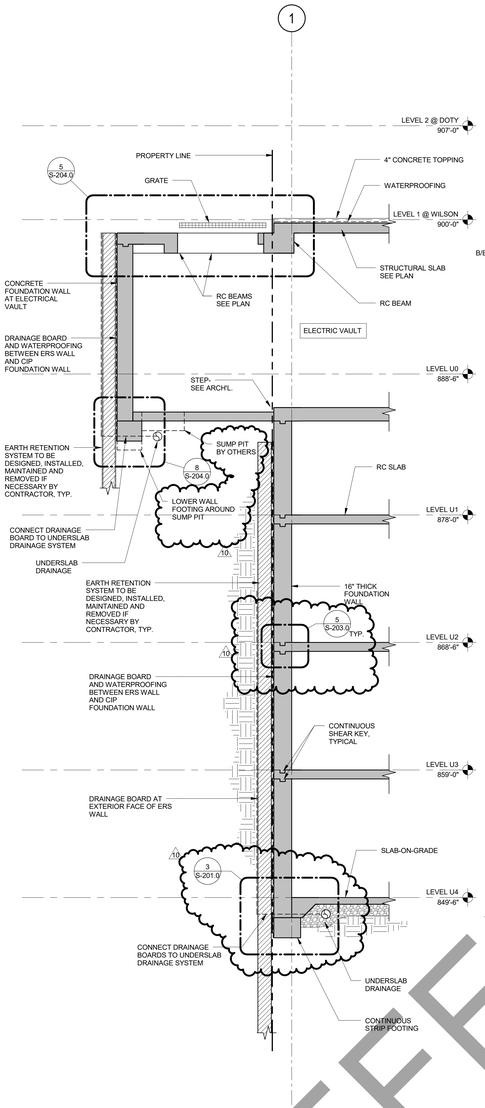
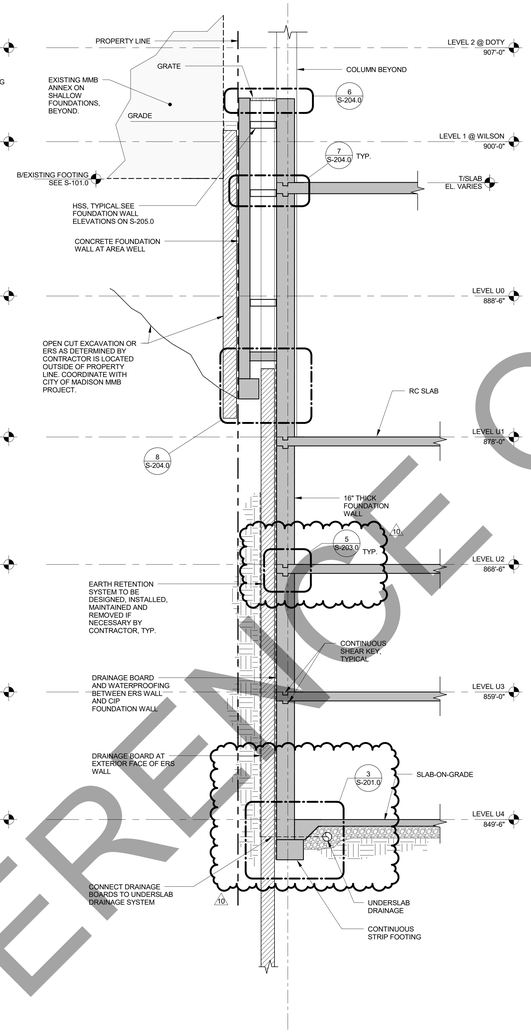


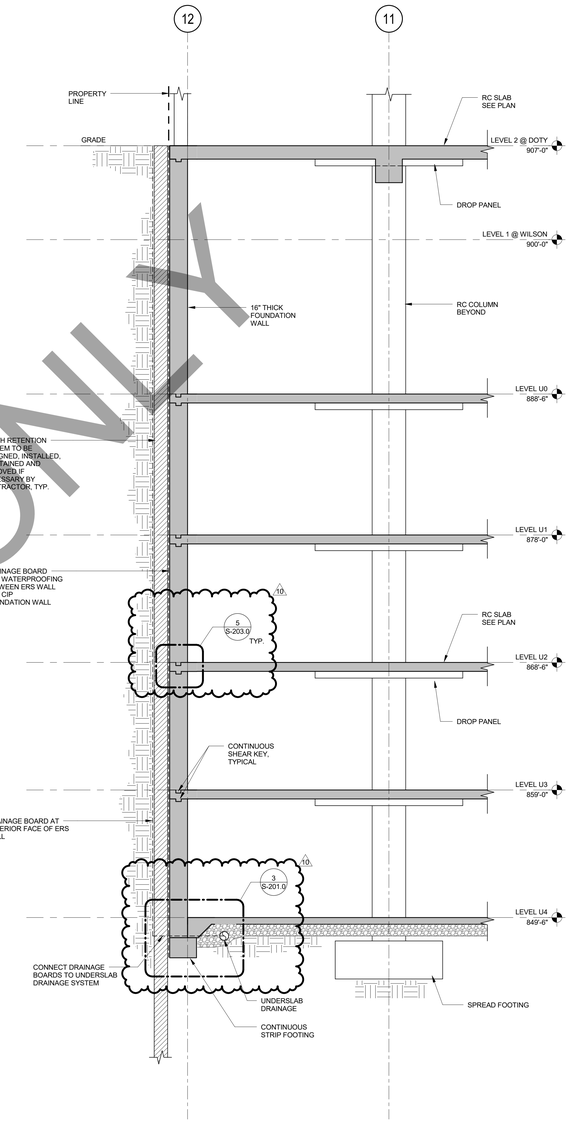
1 FOUNDATION SECTION - BELOW PINCKNEY STREET
SCALE: 1/4" = 1'-0"



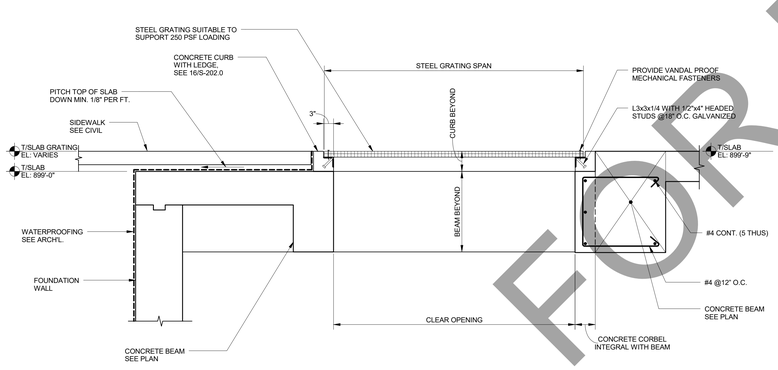
2 FOUNDATION SECTION ALONG WILSON STREET
SCALE: 1/4" = 1'-0"



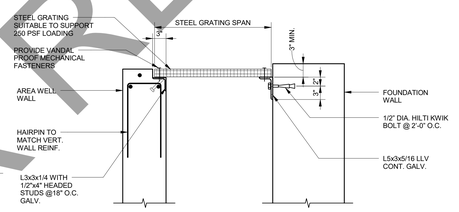
3 FOUNDATION SECTION ALONG MMB
SCALE: 1/4" = 1'-0"



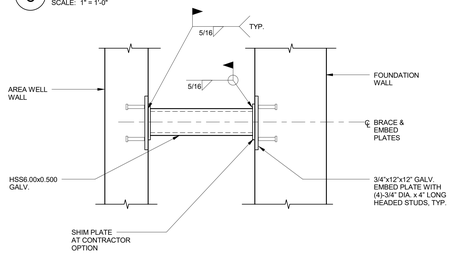
4 FOUNDATION SECTION ALONG DOTY STREET
SCALE: 1/4" = 1'-0"



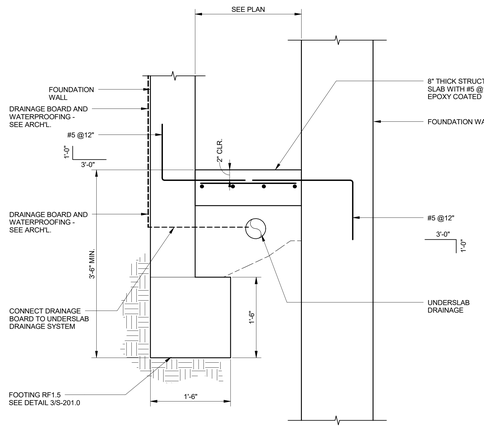
5 SECTION AT AREA WELL ROOF
SCALE: 3/4" = 1'-0"



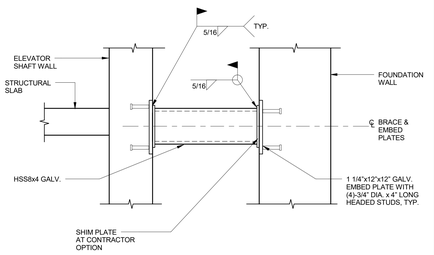
6 TYPICAL AREA WELL GRATE DETAIL
SCALE: 1" = 1'-0"



7 TYPICAL HSS BRACE AT FOUNDATION WALL
SCALE: 1" = 1'-0"



8 TYPICAL AREA WELL SLAB DETAIL
SCALE: 1" = 1'-0"



9 TYPICAL HSS BRACE AT EXTERIOR ELEVATOR SHAFT
SCALE: 1" = 1'-0"

FOR REFERENCE ONLY

General Notes

No.	Description	Date
10	BULLETIN #5	05/14/2018
9	BULLETIN #2	12/07/2017
8	BID DOCUMENTS	09/07/2017
7	ADDENDUM 3	08/02/2017
6	ADDENDUM 2	07/28/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE

Drawing Title

FOUNDATION SECTIONS AND DETAILS

Drawn	Date
RT	5/11/2018 2:47:28 PM
Checked By	Drawing Number
JS	
Approved	
RH	S-204.0
Job Number	
B1605877	

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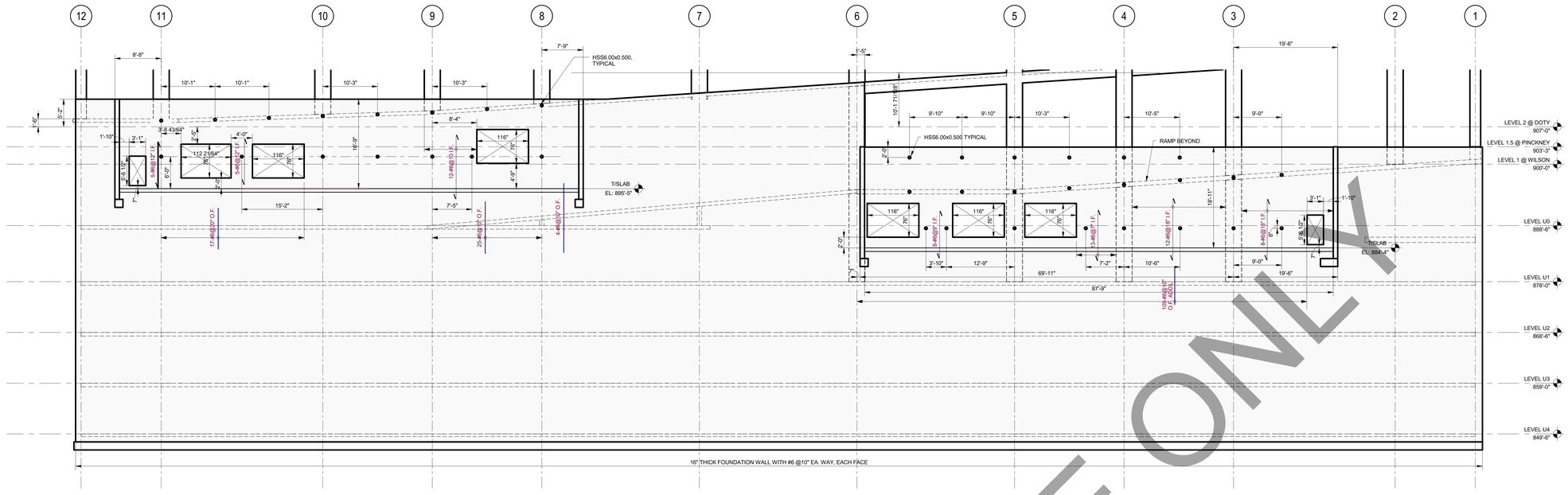
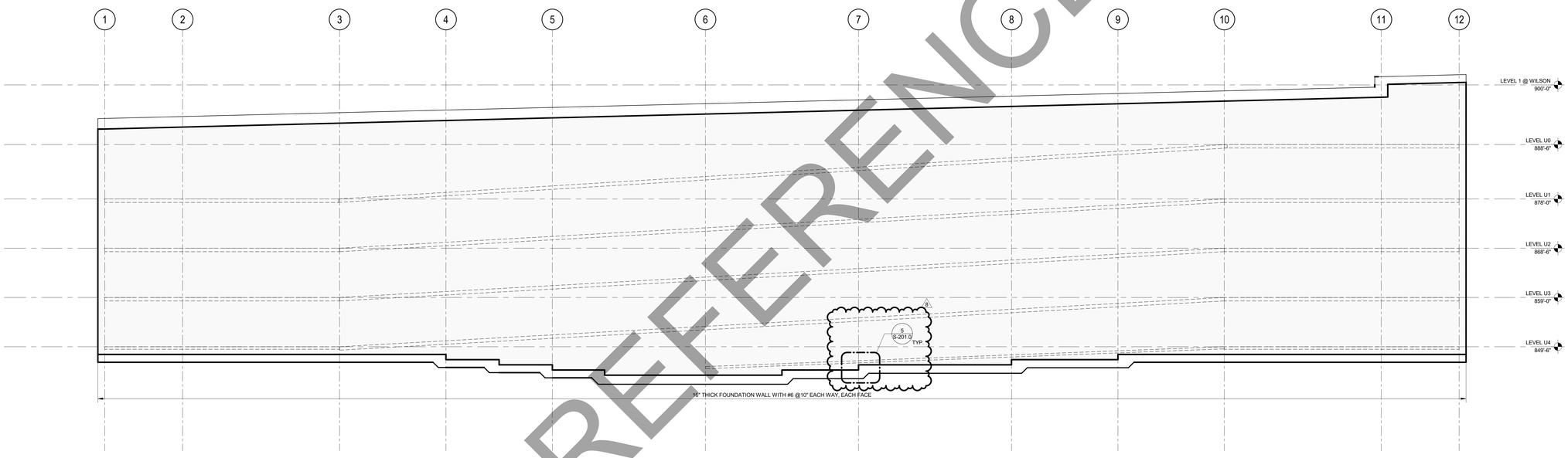
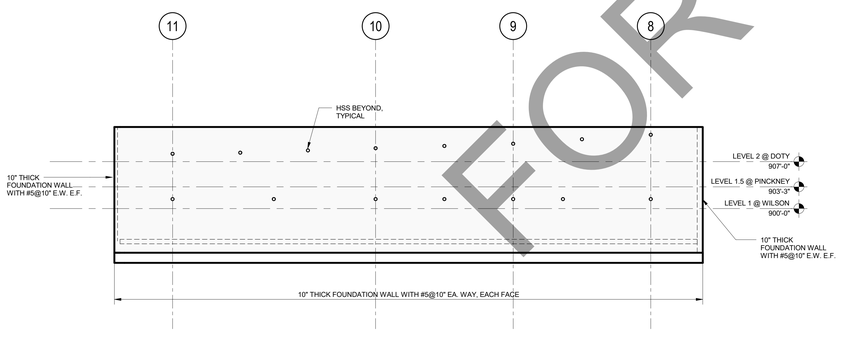


1 WEST FOUNDATION WALL ELEVATION
SCALE: 1/8" = 1'-0"



2 EAST FOUNDATION WALL ELEVATION
SCALE: 1/8" = 1'-0"



3 NORTH WEST FOUNDATION WALL ELEVATION
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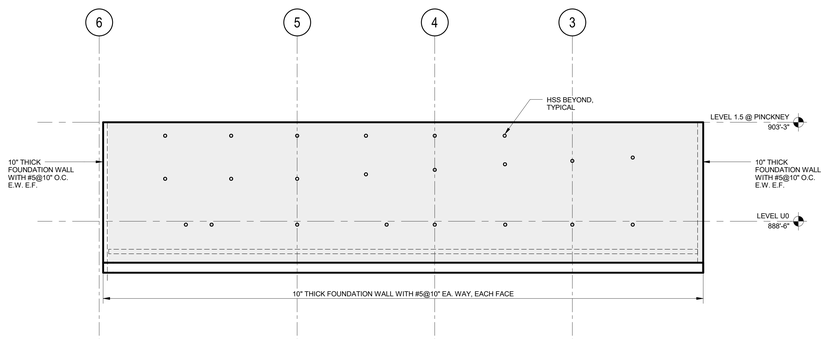

4 SOUTH WEST AREA WELL FOUNDATION WALL ELEVATION
SCALE: 1/8" = 1'-0"

FOR REFERENCE ONLY

General Notes

No.	Description	Date
8	BULLETIN #5	05/14/2018
7	BULLETIN #3	03/05/2018
6	BULLETIN #2	12/07/2017
5	BID DOCUMENTS	09/07/2017
4	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
3	ISSUED FOR FINAL BID	06/23/2017
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1	ISSUED FOR 100% CD'S/OWNER REVIEW	06/01/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
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AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

FOUNDATION WALL ELEVATIONS

Drawn	Date
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Checked By	Drawing Number
JS	
Approved	
RH	S-205.0
Job Number	
B1605877	

TRUE NORTH
PROJECT NORTH

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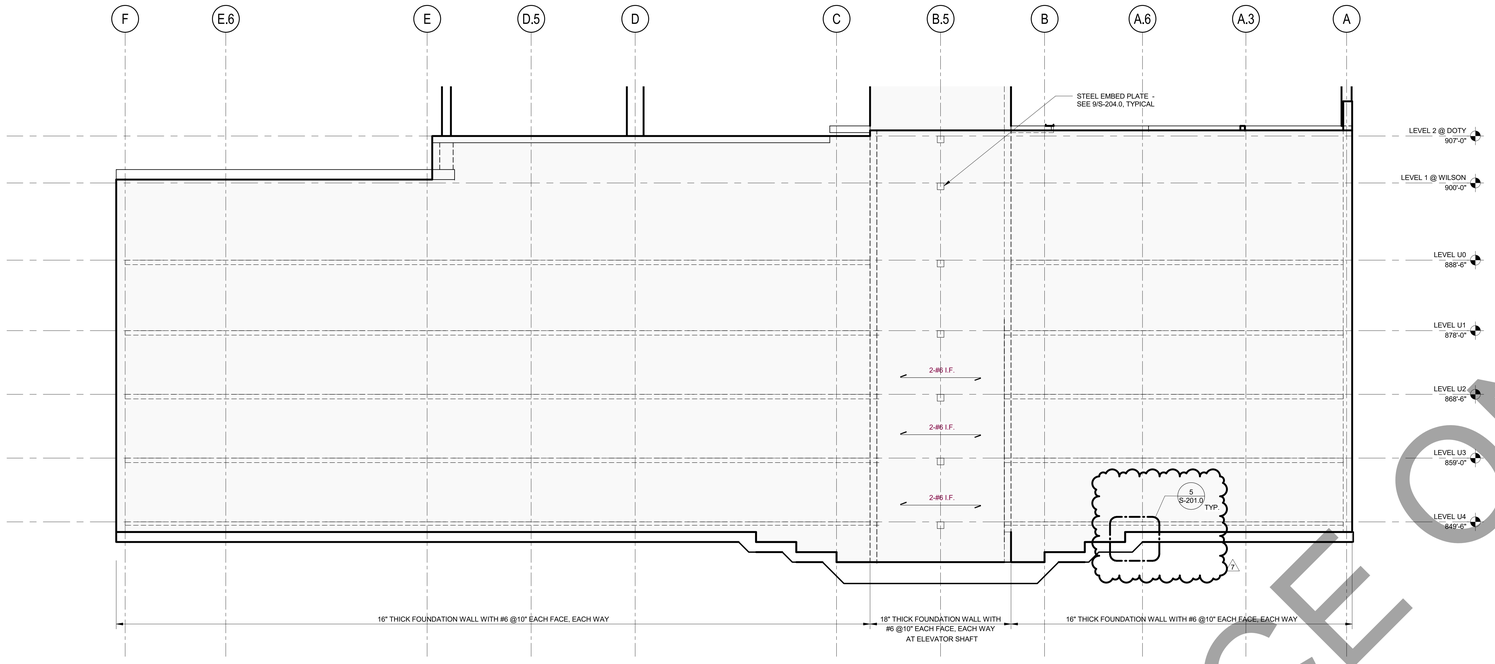

1 NORTH FOUNDATION WALL ELEVATION
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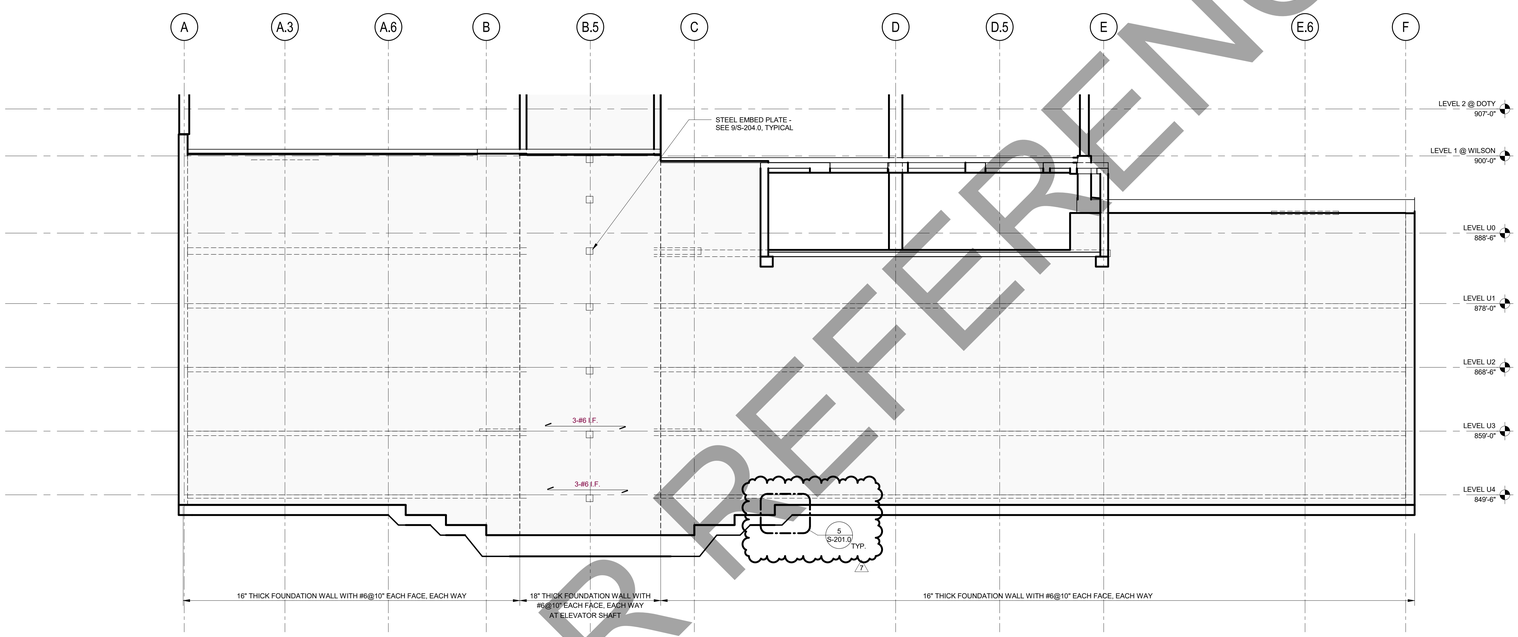

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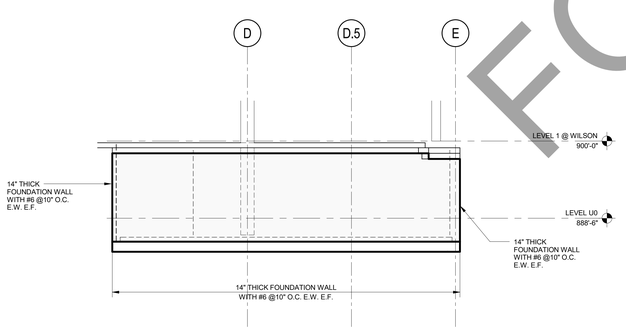

3 SOUTH FOUNDATION WALL ELEVATION
SCALE: 1/8" = 1'-0"

FOR REFERENCE ONLY

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General Notes

No.	Description	Date
7	BULLETIN #5	05/14/2018
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5	BID DOCUMENTS	09/07/2017
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2	ISSUED FOR BID	06/16/2017
1	ISSUED FOR 100% CD'S/OWNER REVIEW	06/01/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
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ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS
MADISON | CHICAGO | ST. LOUIS

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WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS
A WSP | PARSONS BRINCKERHOFF COMPANY

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

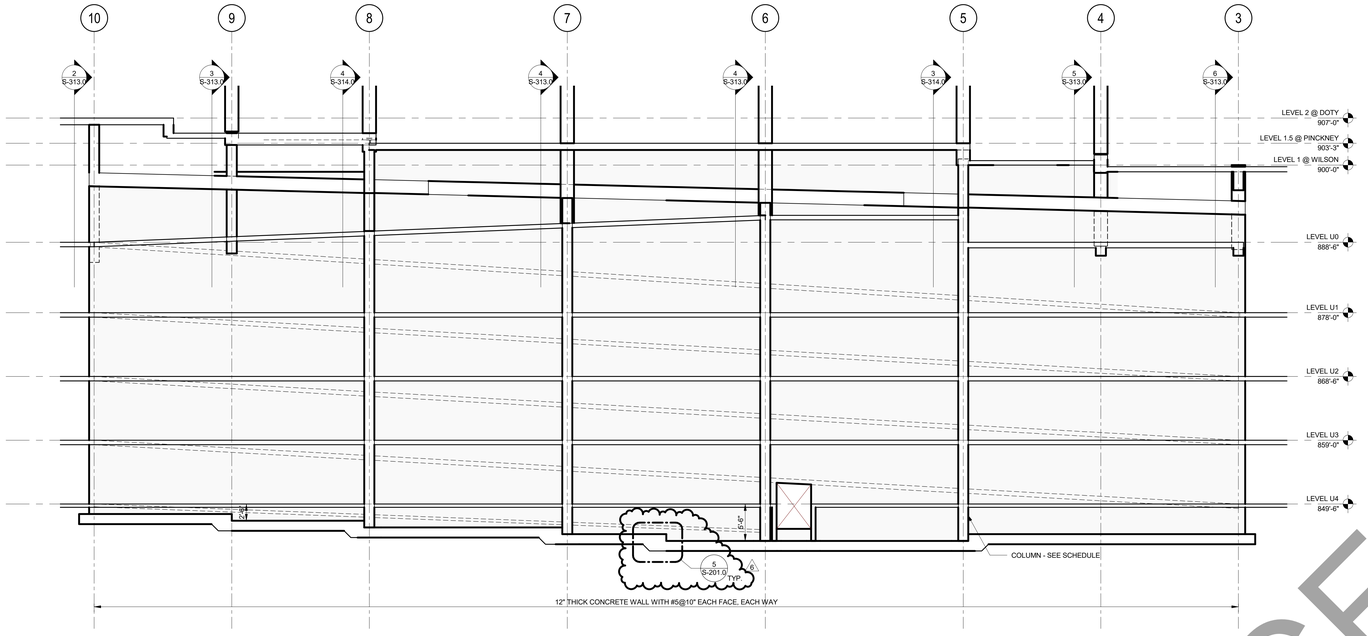
Drawing Title

FOUNDATION WALL ELEVATIONS

Drawn	Date
RT	5/11/2018 2:47:37 PM
Checked By	Drawing Number
JS	
Approved	
RH	
Job Number	
B1605877	

S-206.0

TRUE NORTH
PROJECT NORTH



1 FOUNDATION WALL ELEVATION AT GRID LINE D.5

SCALE: 1/8" = 1'-0"

FOR REFERENCE ONLY

General Notes

No.	Description	Date
6	BULLETIN #5	05/14/2018
5	BID DOCUMENTS	09/07/2017
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3	ISSUED FOR FINAL BID	06/23/2017
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1	ISSUED FOR 100% CD'S/OWNER REVIEW	06/01/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

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lothan van hook destefano
ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS
MADISON | CHICAGO | ST. LOUIS

PARKING CONSULTANT:
WALKER
PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS
A WSP | PARSONS BRINCKERHOFF COMPANY

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

FOUNDATION WALL ELEVATIONS

Drawn	Date
RT	5/11/2018 2:47:41 PM
Checked By	**Drawing Number**
JS	
Approved	
RH	
Job Number	
B1605877	

S-207.0

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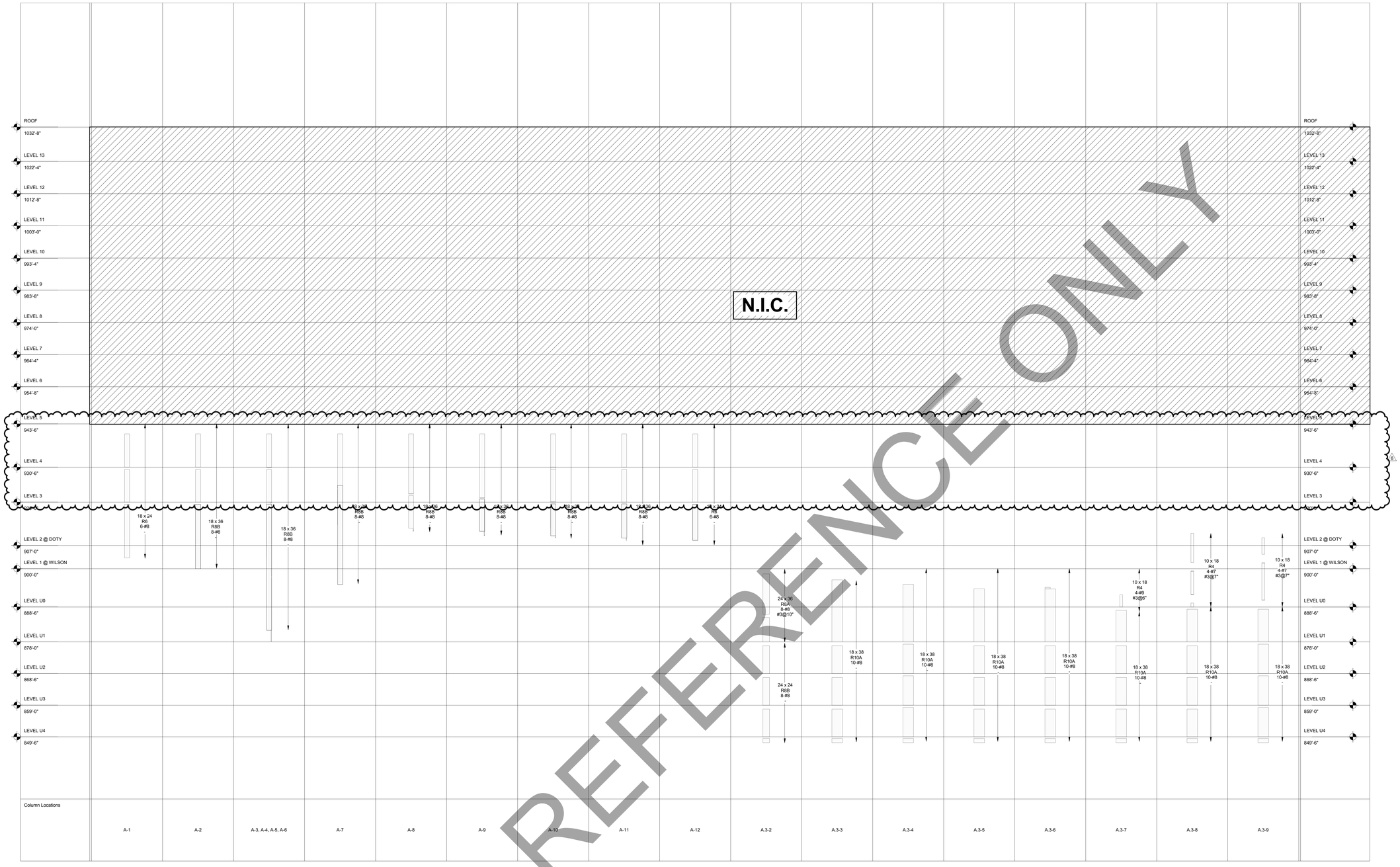

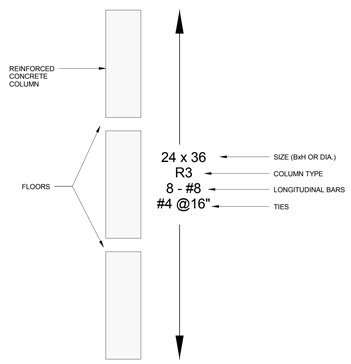

COLUMN SCHEDULE KEY

NOTES:

1. SEE SHEET S-303.0 FOR TYPICAL REINFORCED CONCRETE COLUMN DETAILS.
2. SHEET S-302.0 FOR COLUMN TYPE AND TIE CONFIGURATION.
3. COLUMN MARK B-5 INDICATES COLUMN AT INTERSECTION OF GRID LINES B AND 5. OFFSET COLUMNS ARE DESIGNATED AS B(-X'-X")-5(X'-XX") WHERE (X'-X") DENOTES THE OFFSET DISTANCE FROM THE GRID LINE.
4. MATCH FOUNDATION DOWELS TO SIZE AND CONFIGURATION OF LONGITUDINAL BARS AT COLUMN BASE.
5. ELEVATIONS SHOWN ARE FOR GENERAL REFERENCE. SEE ARCHITECTURAL DRAWINGS FOR SLOPED SLAB ELEVATIONS. DETAIL REINFORCEMENT LENGTHS FOR ACTUAL SLAB ELEVATION SHOWN ON ARCHITECTURAL DRAWINGS.

FOR REFERENCE ONLY

General Notes

LEGEND

N.I.C. — CONSTRUCTION ITEMS FOR REFERENCE ONLY - NOT IN CONTRACT

No.	Description	Date
6	BULLETIN #6	08/03/2018
5	BID DOCUMENTS	09/07/2017
4	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
3	ISSUED FOR FINAL BID	06/23/2017
2	ISSUED FOR BID	06/16/2017
1	ISSUED FOR 100% CD'S/OWNER REVIEW	06/01/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan vanhook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

REINFORCED CONCRETE COLUMN SCHEDULE

Drawn	Date
RT	8/3/2018 4:28:58 PM
Checked By	**Drawing Number**
JS	S-301.1
Approved	
RH	
Job Number	
B1605877	

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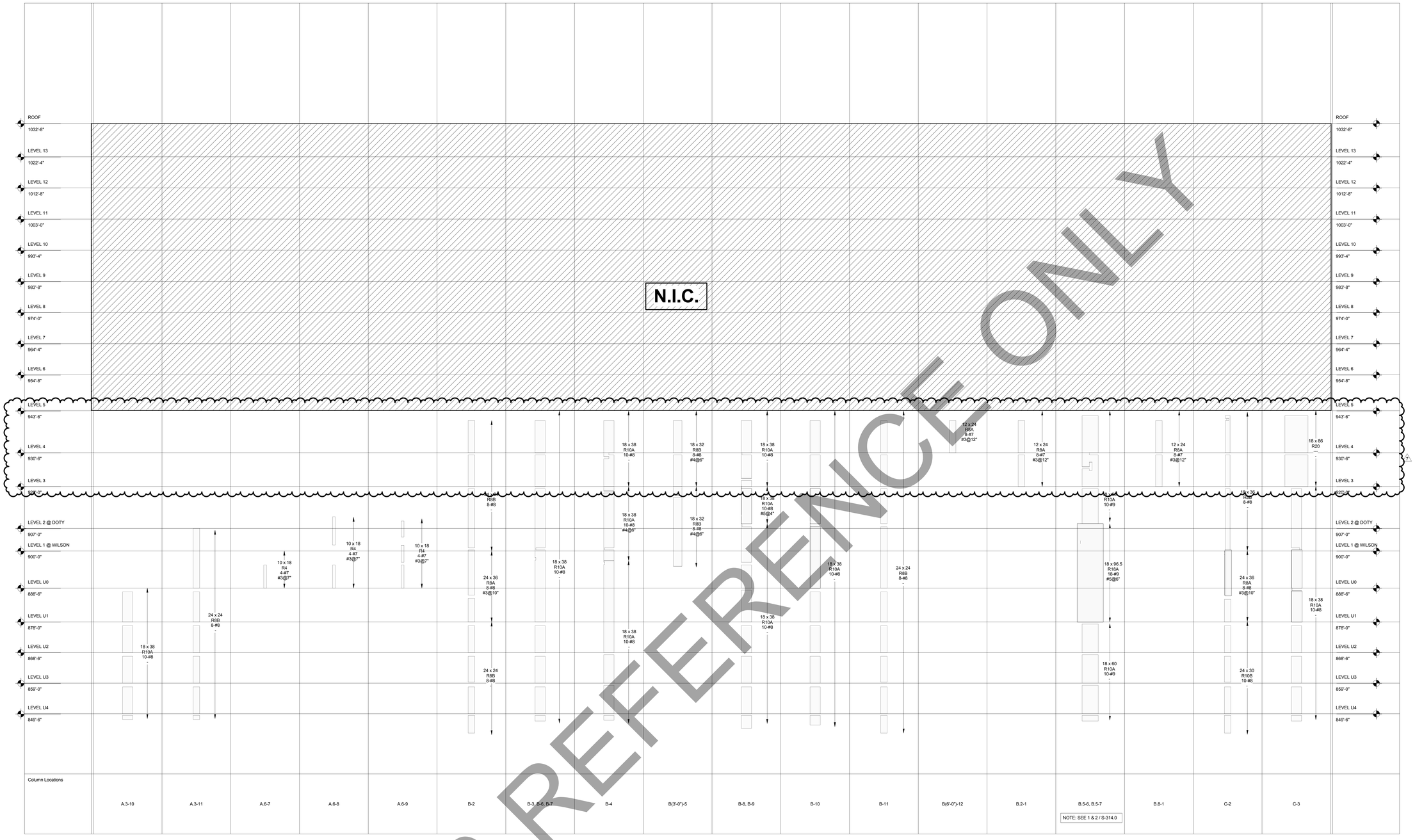

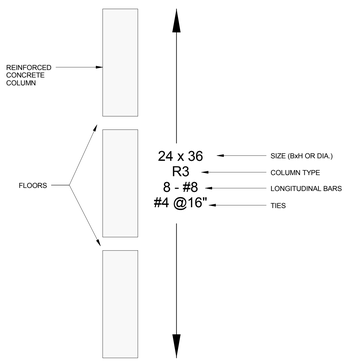

COLUMN SCHEDULE KEY

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FOR REFERENCE ONLY

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LEGEND

N.I.C. — CONSTRUCTION ITEMS FOR REFERENCE ONLY - NOT IN CONTRACT

No.	Description	Date
7	BULLETIN #6	08/03/2018
6	BULLETIN #2	12/07/2017
5	BID DOCUMENTS	09/07/2017
4	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
3	ISSUED FOR FINAL BID	06/23/2017
2	ISSUED FOR BID	06/16/2017
1	ISSUED FOR 100% CD'S/OWNER REVIEW	06/01/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

REINFORCED CONCRETE COLUMN SCHEDULE

Drawn	Date
RT	8/3/2018 4:29:02 PM
Checked By	Drawing Number
JS	S-301.2
Approved	
RH	
Job Number	
B1605877	

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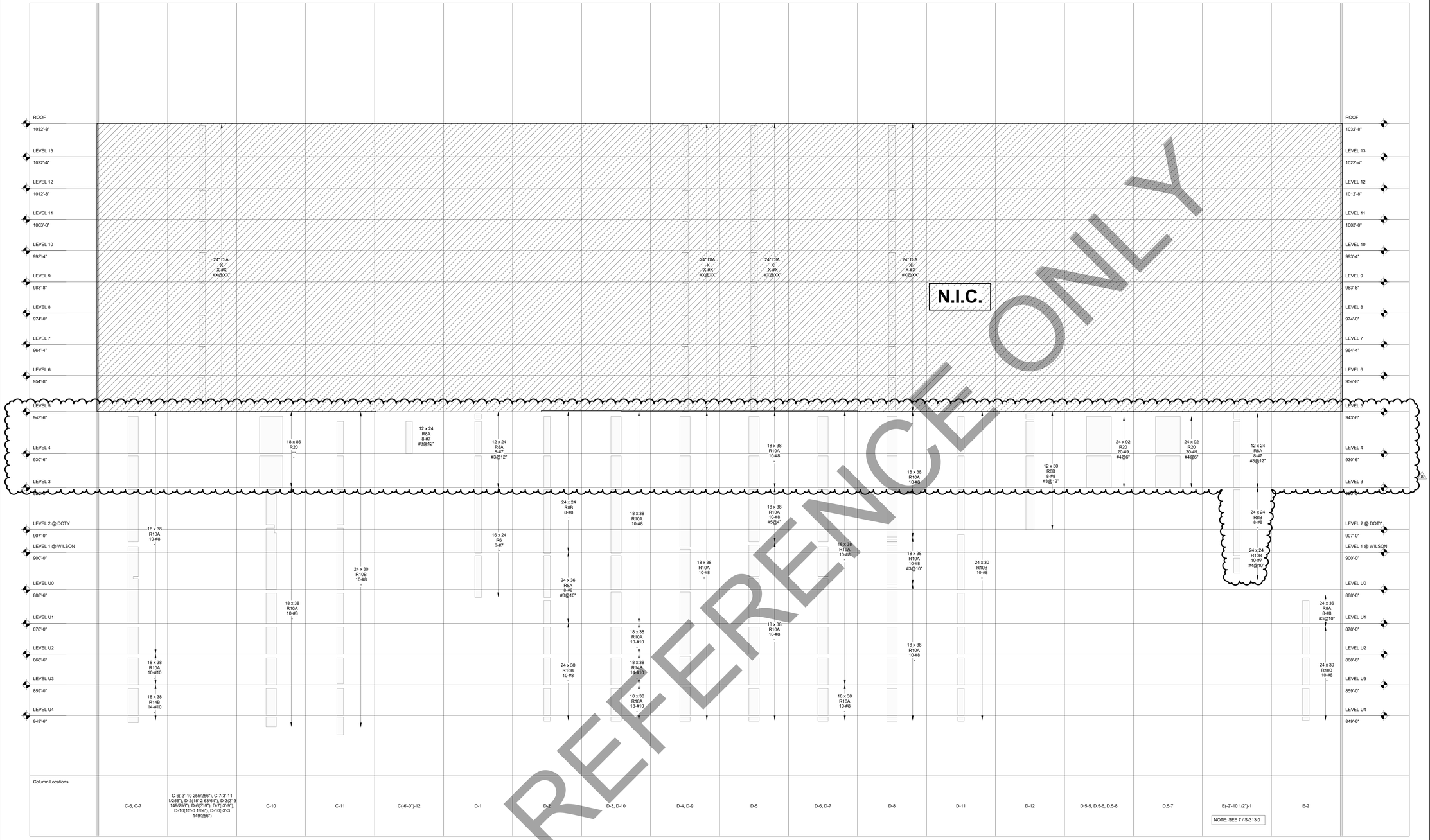
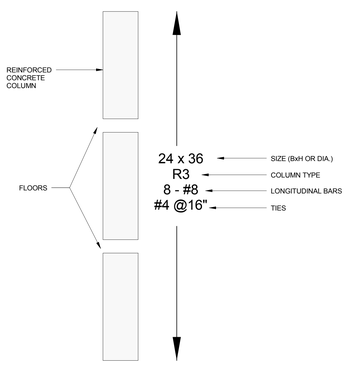
8/3/2018 4:29:02 PM





COLUMN SCHEDULE KEY

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FOR REFERENCE ONLY

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8	BULLETIN #6	08/03/2018
7	BULLETIN #5	05/14/2018
6	BID DOCUMENTS	09/07/2017
5	ADDENDUM 2	07/28/2017
4	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
3	ISSUED FOR FINAL BID	06/23/2017
2	ISSUED FOR BID	06/16/2017
1	ISSUED FOR 100% CD'S/OWNER REVIEW	06/01/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
iothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

REINFORCED CONCRETE COLUMN SCHEDULE

Drawn	Date
RT	8/3/2018 4:29:06 PM
Checked By	**Drawing Number**
JS	S-301.3
Approved	
RH	
Job Number	
B1605877	

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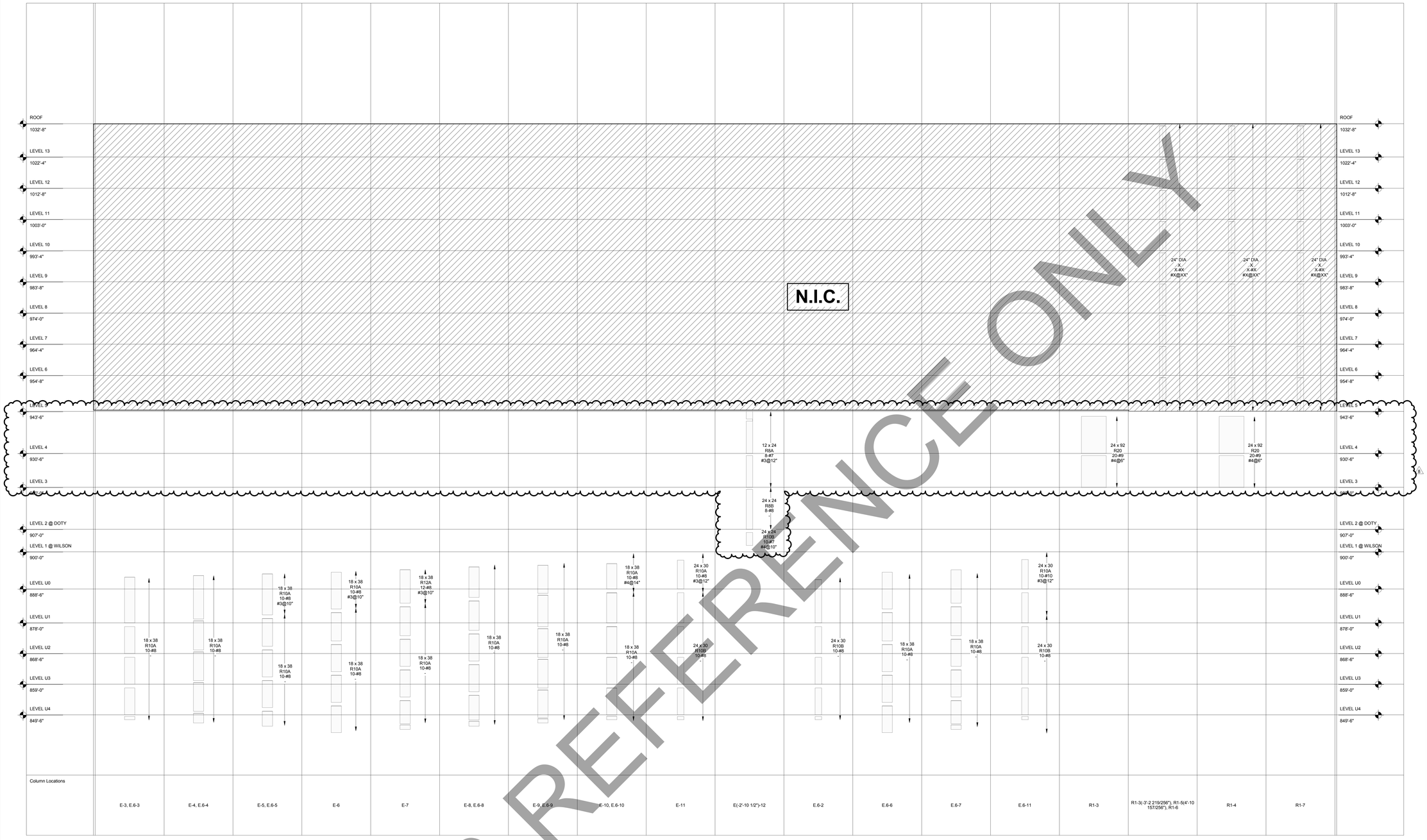
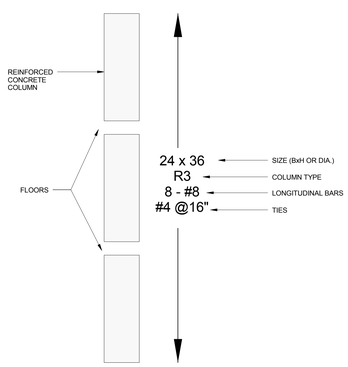
8/3/2018 4:29:06 PM





COLUMN SCHEDULE KEY

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FOR REFERENCE ONLY

General Notes

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8	BULLETIN #6	08/03/2018
7	BULLETIN #5	05/14/2018
6	BID DOCUMENTS	09/07/2017
5	ADDENDUM 2	07/28/2017
4	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
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1	ISSUED FOR 100% CD'S/OWNER REVIEW	06/01/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

REINFORCED CONCRETE COLUMN SCHEDULE

Drawn	Date
RT	8/3/2018 4:29:10 PM
Checked By	**Drawing Number**
JS	S-301.4
Approved	
RH	
Job Number	
B1605877	

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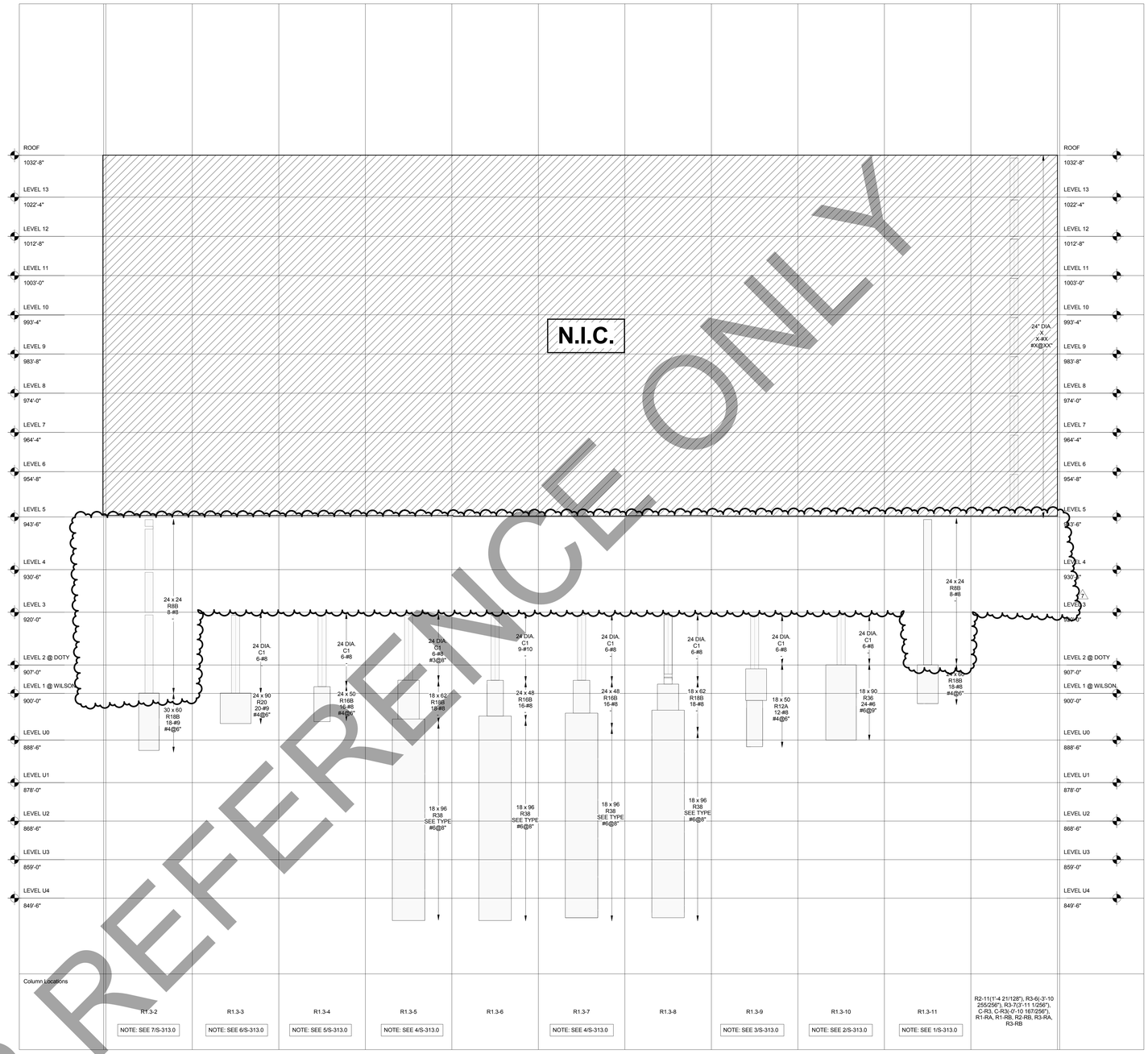
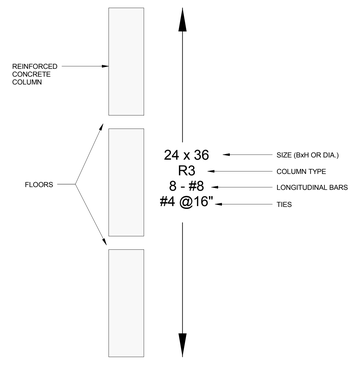


FOR REFERENCE ONLY



COLUMN SCHEDULE KEY

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General Notes

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No.	Description	Date
7	BULLETIN #6	08/03/2018
6	BULLETIN #5	05/14/2018
5	BID DOCUMENTS	09/07/2017
4	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
3	ISSUED FOR FINAL BID	06/23/2017
2	ISSUED FOR BID	06/16/2017
1	ISSUED FOR 100% CD'S/OWNER REVIEW	06/01/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

REINFORCED CONCRETE COLUMN SCHEDULE

Drawn	Date
RT	8/3/2018 4:29:14 PM
Checked By	Drawing Number
JS	S-301.5
Approved	
RH	
Job Number	
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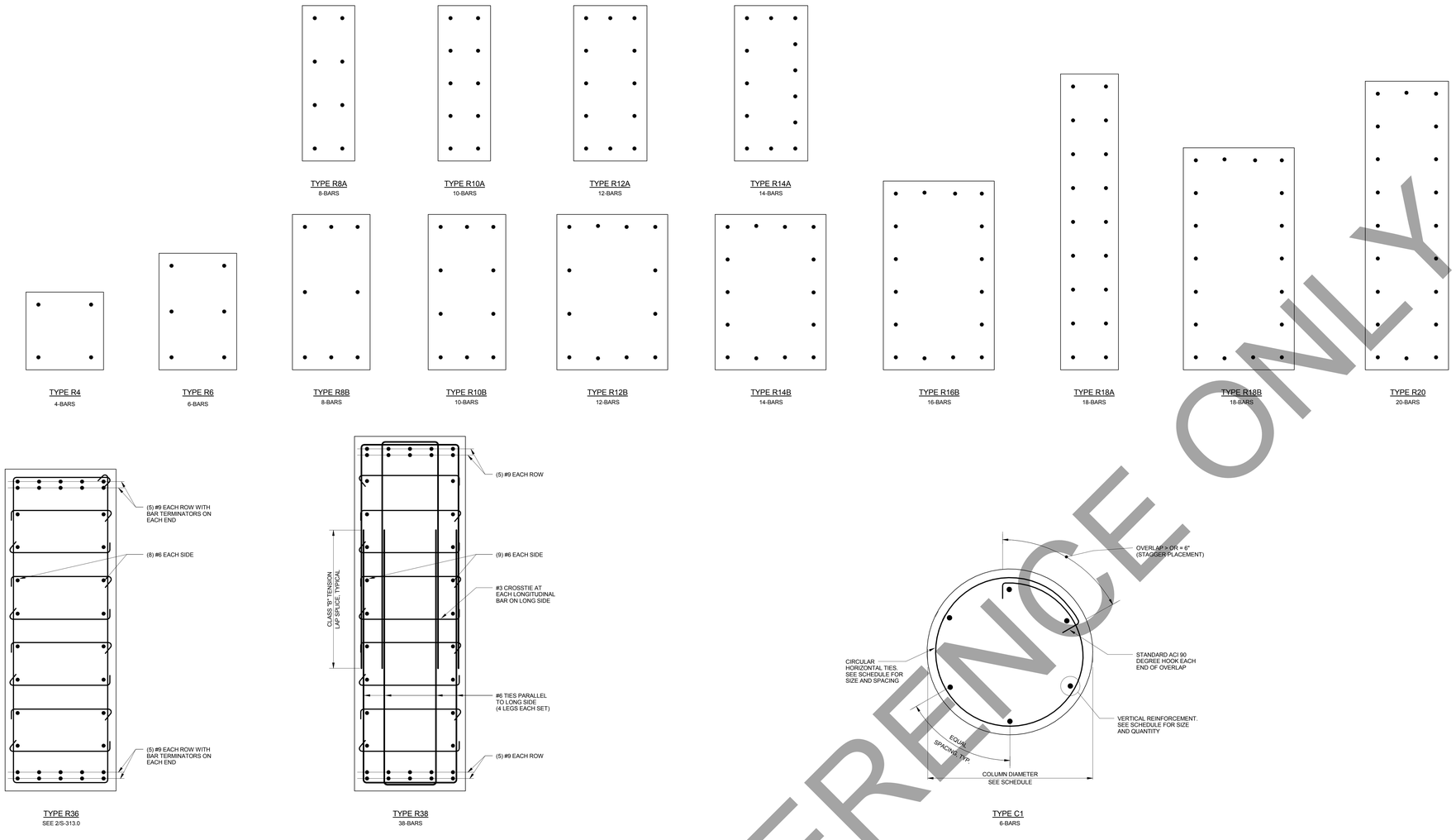
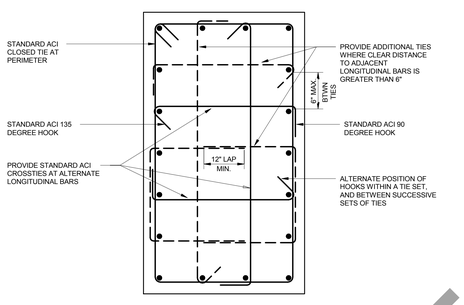


NOTE:
1. BARS ARE SPACED EQUALLY ON EACH SIDE UNLESS NOTED OTHERWISE.
2. SEE DETAIL 2 ON THIS SHEET FOR MINIMUM TIE REQUIREMENTS.

1 COLUMN TYPES

SCALE: NOT TO SCALE



NOTES:

1. SEE COLUMN TYPES ON THIS SHEET FOR NUMBER AND LOCATION OF LONGITUDINAL BARS.

2. UNLESS NOTED OTHERWISE, TIE MINIMUM BAR SIZE AND MAXIMUM SPACING SHALL BE :
   #3 @ 1'-0" O.C. FOR #6 VERTICAL BARS, U.N.O.
   #3 @ 1'-2" O.C. FOR #7 VERTICAL BARS, U.N.O.
   #3 @ 1'-4" O.C. FOR #8 VERTICAL BARS, U.N.O.
   #3 @ 1'-6" O.C. FOR #9 VERTICAL BARS, U.N.O.
   #3 @ 1'-6" O.C. FOR #10 VERTICAL BARS, U.N.O.
   #4 @ 1'-6" O.C. FOR #11 VERTICAL BARS, U.N.O.

3. ALTERNATIVE TIE ARRANGMENTS THAT MEET THE REQUIREMENTS OF ACI 318 MAY BE PROPOSED FOR APPROVAL BY THE STRUCTURAL ENGINEER

2 MINIMUM CONCRETE COLUMN TIES

SCALE: NOT TO SCALE

FOR REFERENCE ONLY

General Notes

No.	Description	Date
6	BID DOCUMENTS	09/07/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
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AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

TYPICAL REINFORCED CONCRETE COLUMN SECTIONS AND DETAILS

Drawn	Date
RT	9/6/2017 12:18:29 PM
Checked By	Drawing Number
JS	
Approved	
RH	
Job Number	
B1605877	

S-302.0

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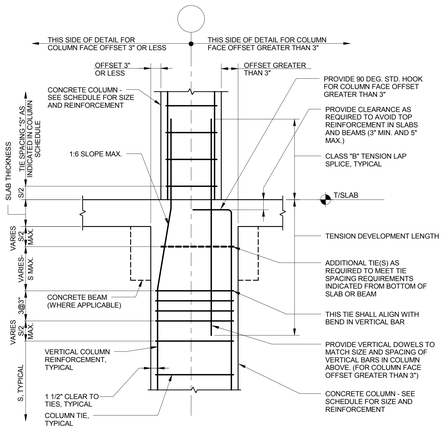
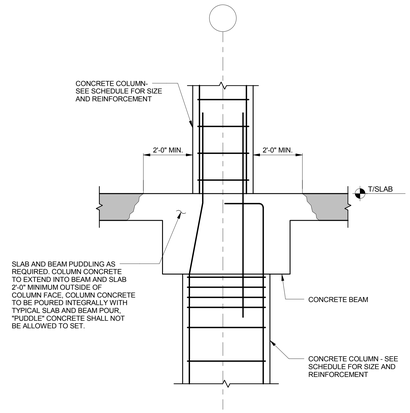


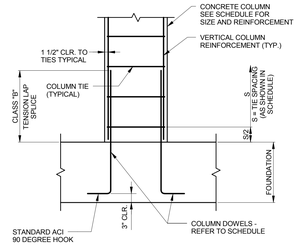
NOTES:
1. LAP SPLICE FOR BARS OF DIFFERENT SIZE SHALL BE EQUAL TO THE GREATER OF:
   a. LAP SPLICE LENGTH OF SMALLER BAR SIZE; OR;
   b. DEVELOPMENT LENGTH OF LARGER BAR SIZE.
2. SLAB AND BEAM REINFORCEMENT NOT SHOWN FOR CLARITY.

1 TYPICAL CONCRETE COLUMN SPLICE DETAIL
SCALE: NOT TO SCALE

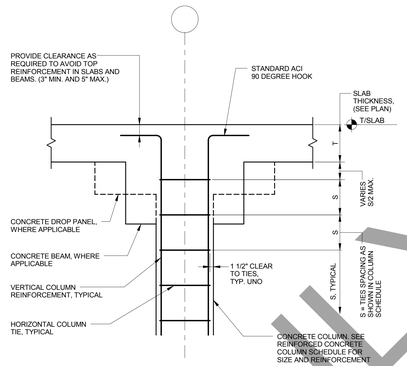


NOTE:
1. DETAIL TO BE USED WHEN SPECIFIED STRENGTH OF CONCRETE IN A COLUMN IS GREATER THAN 1.4 TIMES THAT SPECIFIED FOR A FLOOR SYSTEM. SEE MATERIALS SCHEDULE ON S-001.0.

2 TYPICAL CONCRETE COLUMN, SLAB AND BEAM "PUDDLING" DETAIL
SCALE: NOT TO SCALE

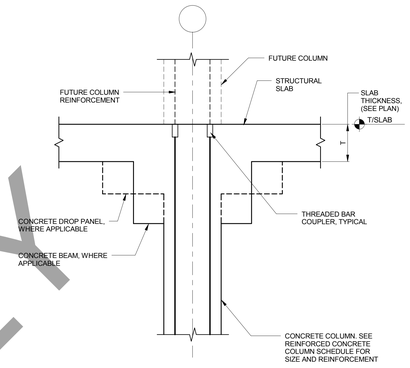


3 TYPICAL CONCRETE COLUMN BASE DETAIL
SCALE: NOT TO SCALE



NOTE:
1. SLAB AND BEAM REINFORCEMENT NOT SHOWN FOR CLARITY.

4 TYPICAL TOP OF CONCRETE COLUMN DETAIL
SCALE: NOT TO SCALE



NOTE:
1. SLAB AND BEAM REINFORCEMENT NOT SHOWN FOR CLARITY.

5 TYPICAL FUTURE COLUMN CONNECTION DETAIL
SCALE: NOT TO SCALE

FOR REFERENCE ONLY

General Notes

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5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
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JUDGE DOYLE SQUARE - BLOCK 88

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CITY OF MADISON, 53703

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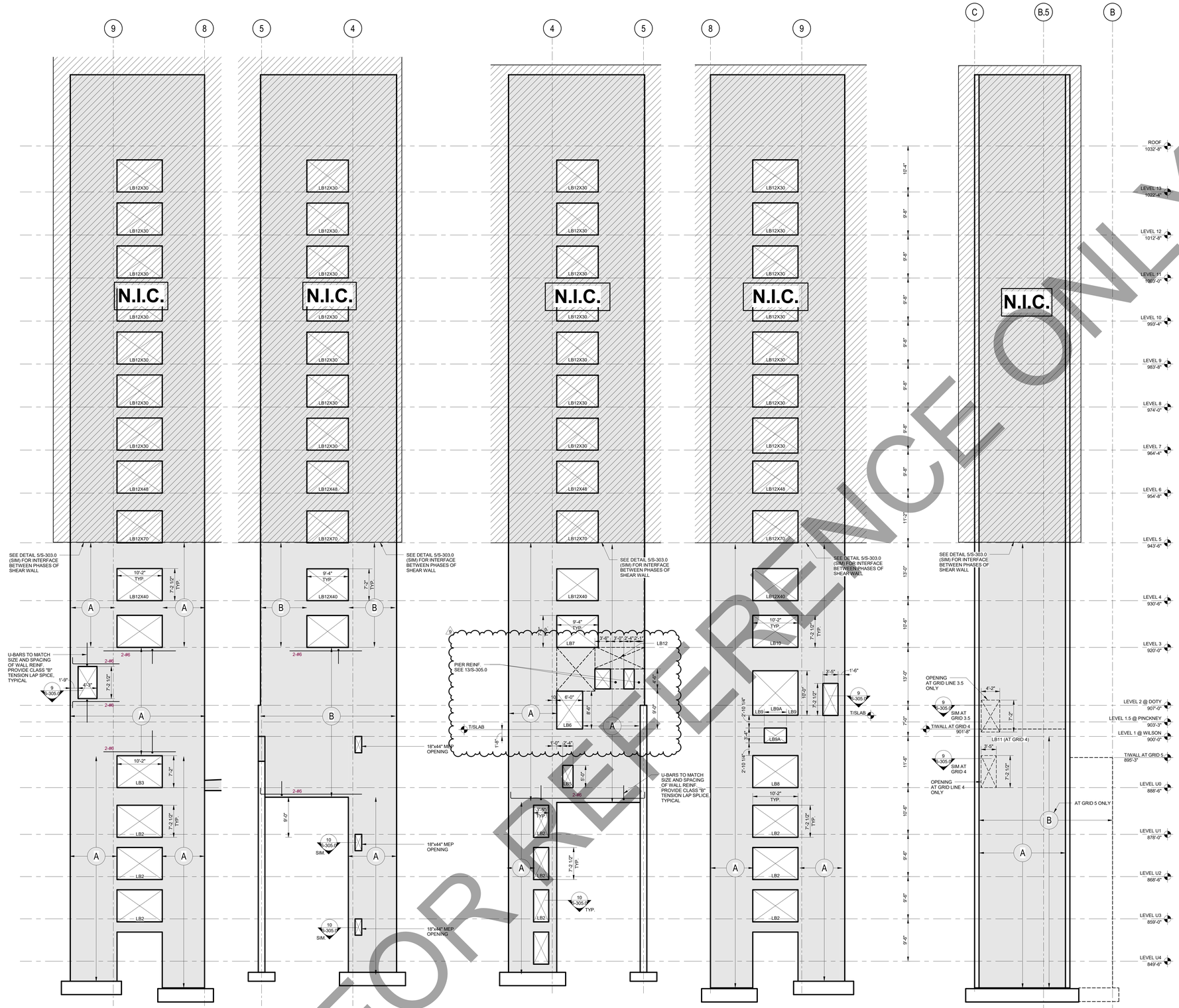
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

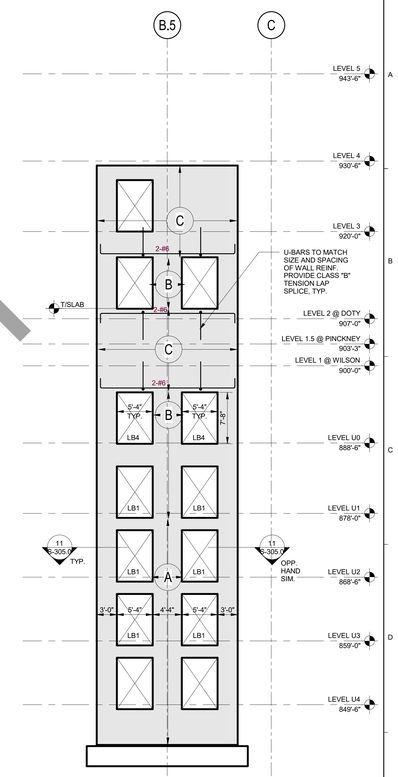
Drawing Title

TYPICAL REINFORCED CONCRETE COLUMN SECTIONS AND DETAILS

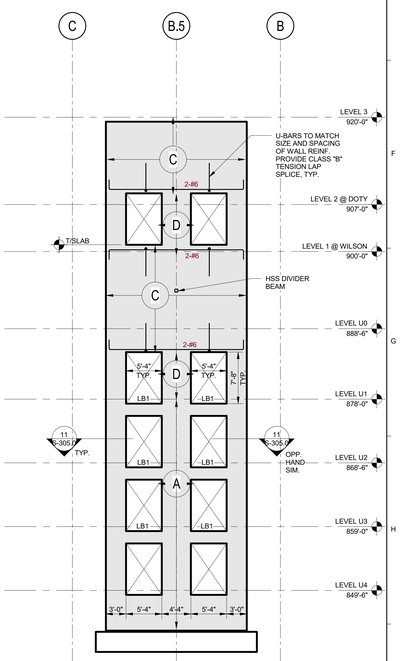
Drawn	Date
RT	9/6/2017 12:18:35 PM
Checked By	Drawing Number
JP	
Approved	
RH	S-303.0
Job Number	
B1605877	

E:\My Projects\HP-605877 Judge Doyle Square - Phase 1 R16_jfreves@gse.com.rvt
9/6/2017 12:18:35 PM





D SHEAR WALL ELEVATION GRID LINE 11.3
SCALE: 1/8" = 1'-0"



A SHEAR WALL ELEVATION GRID LINE B.3
SCALE: 1/8" = 1'-0"

WALL SCHEDULE				
WALL MARK	THICKNESS (in)	REINFORCEMENT		REMARKS
		VERT. E.F.	HORIZ. E.F.	
A	12	#4 @12"	#4 @12"	
B	12	#4 @6"	#4 @12"	

B SHEAR WALL ELEVATION GRID LINE C
SCALE: 1/8" = 1'-0"

WALL SCHEDULE				
WALL MARK	THICKNESS (in)	REINFORCEMENT		REMARKS
		VERT. E.F.	HORIZ. E.F.	
A	12	#4 @12"	#4 @12"	

C SHEAR WALL ELEVATION GRID LINE 3.5, 4, 5, 8, 9.5
SCALE: 1/8" = 1'-0"

WALL SCHEDULE				
WALL MARK	THICKNESS (in)	REINFORCEMENT		REMARKS
		VERT. E.F.	HORIZ. E.F.	
A	12	#4 @12"	#4 @12"	
B	18	#5 @12"	#5 @12"	

E SHEAR WALL ELEVATION GRID LINE 1.6
SCALE: 1/8" = 1'-0"

WALL SCHEDULE				
WALL MARK	THICKNESS (in)	REINFORCEMENT		REMARKS
		VERT. E.F.	HORIZ. E.F.	
A	12	#4 @8"	#4 @12"	
B	12	#6 @8"	#5 @8"	
C	12	#5 @12"	#5 @16"	
D	12	#6 @6"	#5 @8"	

FOR REFERENCE ONLY

General Notes

LEGEND

N.I.C. — CONSTRUCTION ITEMS FOR REFERENCE ONLY - NOT IN CONTRACT

No.	Description	Date
9	BULLETIN #7	10/15/2018
8	BULLETIN #6	08/03/2018
7	BULLETIN #3	03/05/2018
6	BID DOCUMENTS	09/07/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

SHEAR WALL ELEVATIONS

Drawn	Date
RT	10/15/2018 4:41:49 PM
Checked By	Drawing Number
JS	S-304.0
Approved	
RH	
Job Number	
B1605877	

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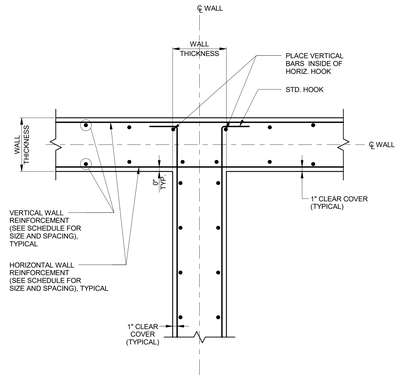
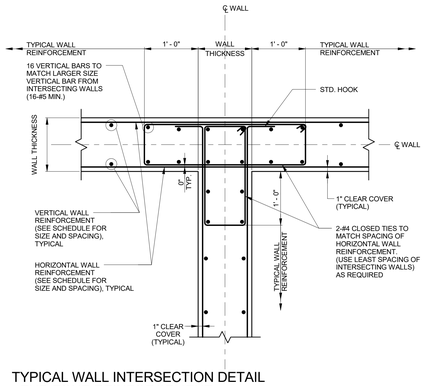


1 TYPICAL WALL INTERSECTION DETAIL
SCALE: NOT TO SCALE



1A TYPICAL WALL INTERSECTION DETAIL - END ZONE REINFORCEMENT
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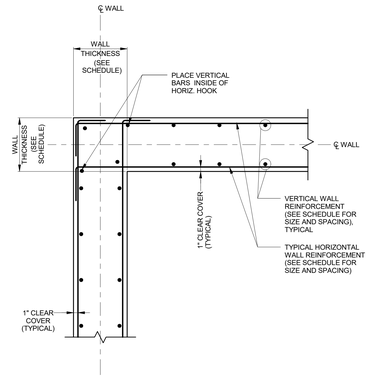

2 TYPICAL CORE WALL CORNER DETAIL
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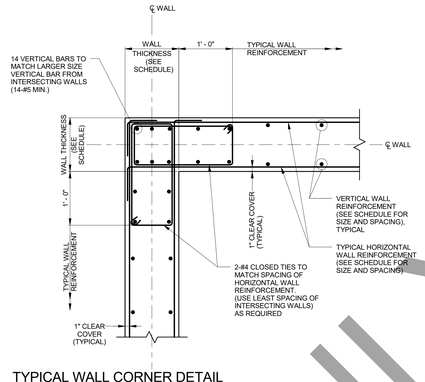

2A TYPICAL WALL CORNER DETAIL - END ZONE REINFORCEMENT
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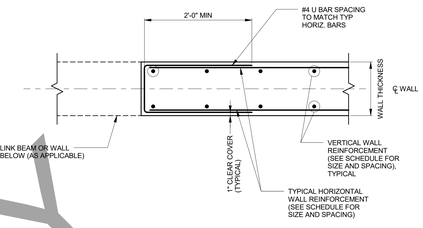
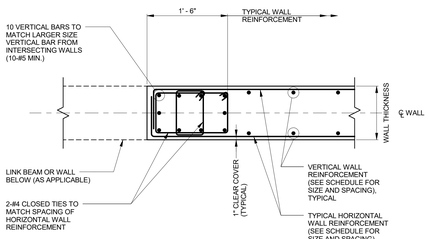


3 TYPICAL WALL END DETAIL
SCALE: NOT TO SCALE



3A TYPICAL WALL END DETAIL - END ZONE REINFORCEMENT
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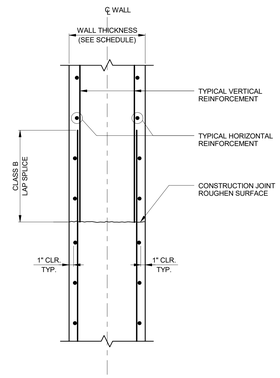
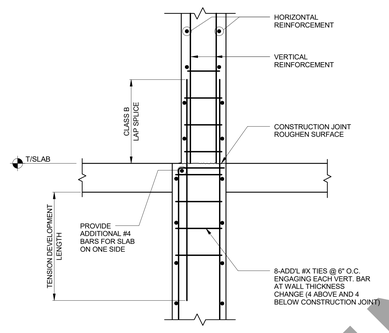
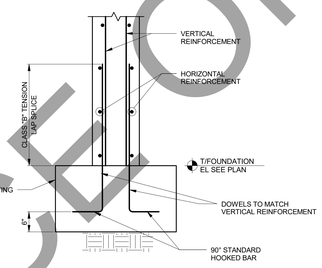


4 TYPICAL WALL SPLICE DETAIL ELEVATION
SCALE: NOT TO SCALE



5 TYPICAL WALL SPLICE DETAIL WITH WALL THICKNESS CHANGE
SCALE: NOT TO SCALE



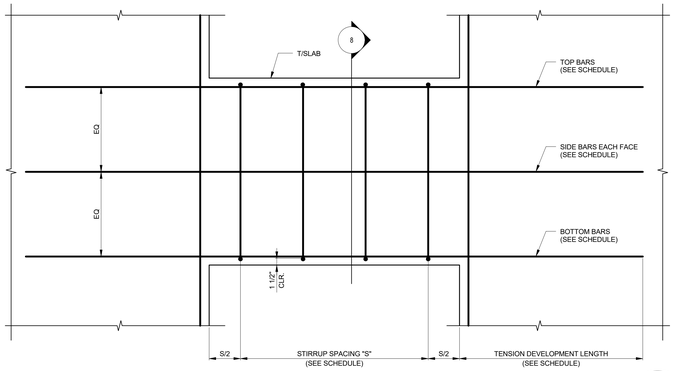
6 TYPICAL WALL/FOUNDATION DETAIL
SCALE: NOT TO SCALE

REINFORCED CONCRETE LINK BEAM SCHEDULE

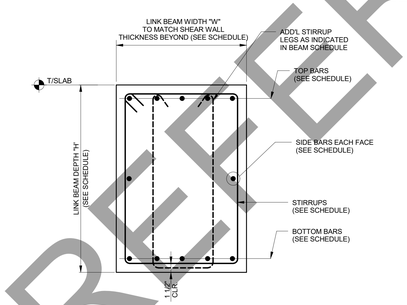
f'c = MATCH SHEAR WALL

MARK	TYPE	SIZE		REINFORCEMENT			STIRRUPS			REMARKS
		W (IN)	H (IN)	TOP BARS	BOTTOM BARS	SIDE BARS (EACH FACE)	SIZE	NO. OF LEGS	SPACING (IN)	
LB1	TYPE 1	12	22	2-#6	2-#6	1-#5	#4	2	9	
LB2	TYPE 1	12	27.5	2-#6	2-#6	2-#5	#4	2	10	
LB3	TYPE 1	12	47.5	3-#6	3-#6	3-#5	#4	2	12	
LB4	TYPE 1	12	40.5	2-#6	2-#6	2-#5	#4	2	9	
LB5	TYPE 1	12	40	3-#8	3-#8	4-#5	#5	2	6	
LB6	TYPE 1	12	72	4-#8	4-#8	7-#5	#5	2	5	
LB7	TYPE 1	12	118	4-#8	4-#8	10-#5	#5	2	6	
LB8	TYPE 1	12	47.5	3-#6	3-#6	4-#5	#4	2	12	
LB9	TYPE 1	12	108.5	3-#7	3-#7	9-#5	#4	2	12	
LB9A	TYPE 1	12	34.5	3-#7	3-#7	2	#4	2	12	
LB10	TYPE 1	12	63	3-#8	3-#8	8-#5	#4	2	12	
LB11	TYPE 1	12	71.5	3-#7	3-#7	7-#5	#4	2	12	
LB12	TYPE 1	12	38	4-#8	4-#8	3-#5	#5	2	6	

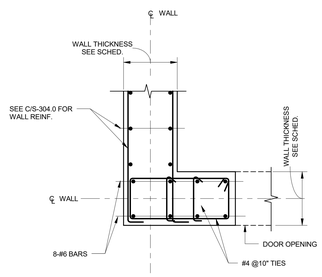
9



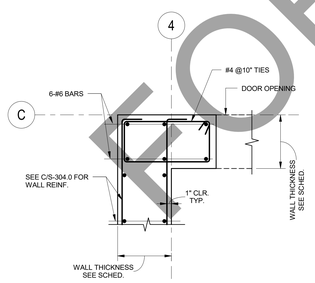
7 TYPE 1 LINK BEAM ELEVATION
SCALE: NOT TO SCALE



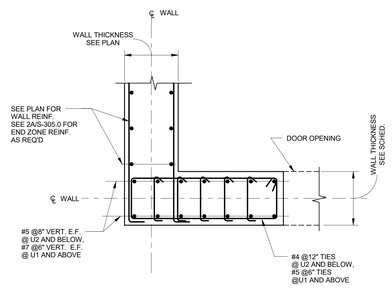
8 TYPE 1 LINK BEAM SECTION
SCALE: NOT TO SCALE



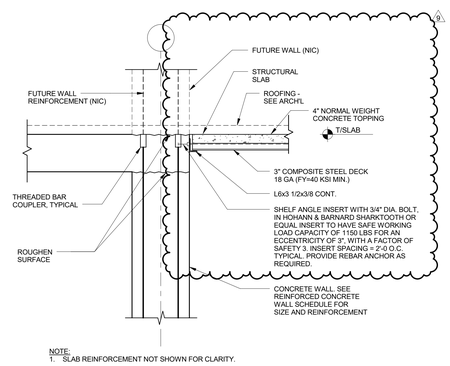
9 WALL REINFORCEMENT DETAIL
SCALE: 1" = 1'-0"



10 WALL REINFORCEMENT DETAIL
SCALE: 1" = 1'-0"

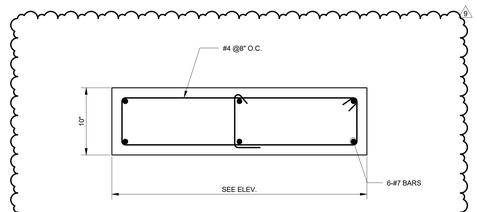


11 WALL REINFORCEMENT DETAIL
SCALE: 1" = 1'-0"



NOTE:
1. SLAB REINFORCEMENT NOT SHOWN FOR CLARITY.

12 TYPICAL FUTURE WALL CONNECTION DETAIL
SCALE: NOT TO SCALE



13 PIER REINFORCEMENT DETAIL
SCALE: NOT TO SCALE

FOR REFERENCE ONLY

General Notes

No.	Description	Date
9	BULLETIN #7	10/15/2018
8	FINAL BULLETIN #6	9/14/2018
7	BULLETIN #3	03/05/2018
6	BID DOCUMENTS	09/07/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE PLANNING LANDSCAPE ARCHITECTURE URBAN DESIGN

Drawing Title

REINFORCED CONCRETE SHEAR WALL DETAILS

Drawn	Date
RT	10/15/2018 4:41:55 PM
Checked By	Drawing Number
JS	
Approved	
RH	S-305.0
Job Number	
B1605877	

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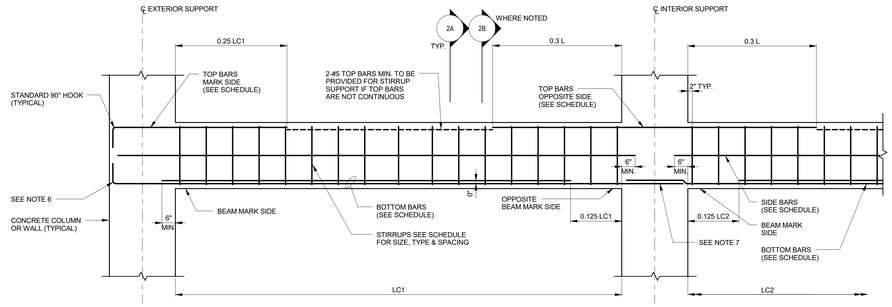
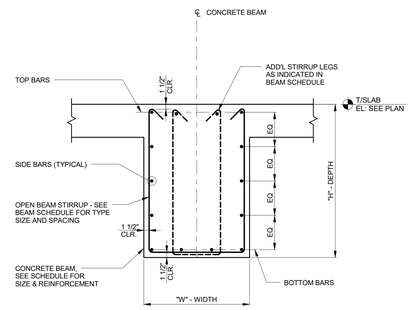


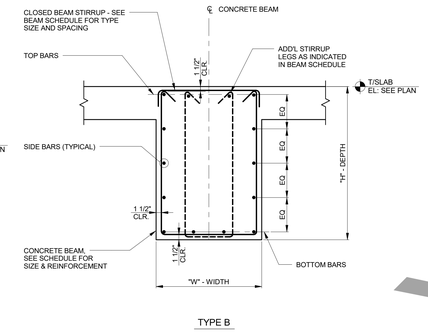
NOTES:
1. LC1, LC2 = LENGTH OF CLEAR SPAN 1, 2 (FACE OF SUPPORT TO FACE OF SUPPORT)
2. L = THE GREATER LENGTH OF CLEAR SPAN LC1 OR LC2.
3. AT INTERIOR SUPPORT PROVIDE LARGER AMOUNT OF TOP BARS FROM ADJACENT SPANS.
4. COLUMN REINFORCEMENT NOT SHOWN FOR CLARITY.
5. FOR PERIMETER BEAMS (NOTED IN SCHEDULE) SEE DETAIL 8.
6. AT LEAST 1/4 OF POSITIVE MOMENT REINFORCEMENT (2 BARS MIN.) SHALL BE TERMINATED AT FAR SIDE OF SUPPORT WITH A STANDARD 90° HOOK.
7. AT LEAST 1/4 OF POSITIVE MOMENT REINFORCEMENT (2 BARS MIN.) SHALL BE CONTINUOUS OR CLASS "B" TENSION SPLICED AT SUPPORT.
8. THE CONTINUITY OF REBAR REQUIREMENTS GIVEN IN NOTE 6 & 7 SHALL BE WAIVED WHERE CLOSED STIRRUPS ARE USED THROUGHOUT THE BEAM SPAN. IN THIS CASE, THE REINFORCEMENT SPECIFIED IN NOTES 6 & 7 SHALL EXTEND A MIN. OF 6" INTO EACH SUPPORT.
9. IF TOP BARS ARE CALLED OUT AS CONTINUOUS IN THE BEAM SCHEDULE, THEN THE STIRRUP SUPPORT BAR AT TOP IS NOT REQUIRED. BARS SHALL BE CONTINUOUS THRU SPAN OR CLASS "B" TENSION SPLICED AT MIDSPAN.

1 TYPICAL REINFORCED CONCRETE BEAM ELEVATION
SCALE: NOT TO SCALE



TYPE A

2A TYPICAL REINFORCED CONCRETE BEAM SECTION OPEN STIRRUP - NON PERIMETER BEAM
SCALE: NOT TO SCALE



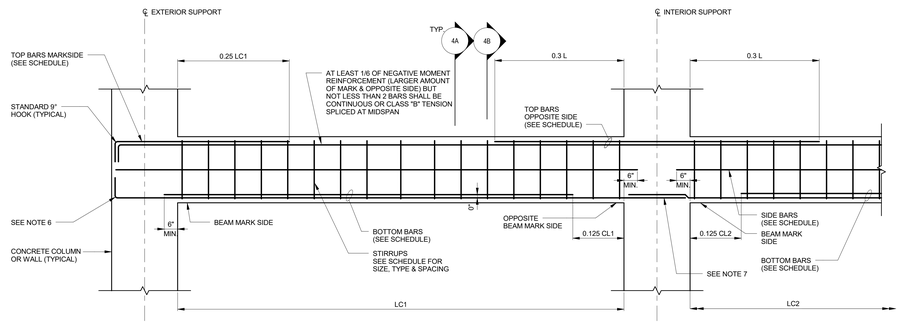
TYPE B

2B TYPICAL REINFORCED CONCRETE BEAM SECTION CLOSED STIRRUP - NON PERIMETER BEAM
SCALE: NOT TO SCALE

BEAM PENETRATION SCHEDULE

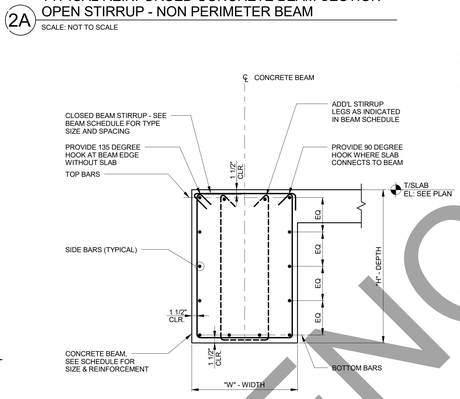
MARK	TYPE "A" BARS	TYPE "B" BARS	STIRRUPS		
			SIZE	# OF LEGS	SPACING (IN)
1	8 - #8	8 - #8	#4	C	4
2	8 - #8	8 - #8	- - -	- - -	- - -

FOR STIRRUP TYPES, SEE DETAIL 1 ON CONCRETE BEAM SCHEDULE.

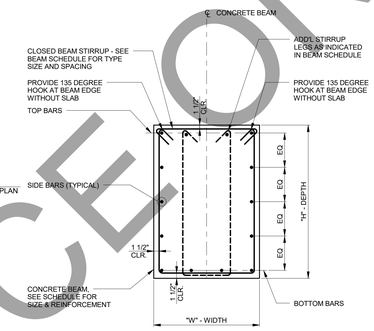


NOTES:
1. LC1, LC2 = LENGTH OF CLEAR SPAN 1, 2 (FACE OF SUPPORT TO FACE OF SUPPORT)
2. L = THE GREATER LENGTH OF CLEAR SPAN LC1 OR LC2.
3. AT INTERIOR SUPPORT PROVIDE LARGER AMOUNT OF TOP BARS FROM ADJACENT SPANS.
4. COLUMN REINFORCEMENT NOT SHOWN FOR CLARITY.
5. "PERIMETER BEAMS" ARE NOTED IN THE REMARKS COLUMN ON THE BEAM SCHEDULE.
6. AT LEAST 1/4 OF POSITIVE MOMENT REINFORCEMENT (2 BARS MIN.) SHALL BE TERMINATED AT FAR SIDE OF SUPPORT WITH A STANDARD 90° HOOK.
7. AT LEAST 1/4 OF POSITIVE MOMENT REINFORCEMENT (2 BARS MIN.) SHALL BE CONTINUOUS OR CLASS "B" TENSION SPLICED AT SUPPORT.
8. IF TOP BARS ARE CALLED OUT AS CONTINUOUS IN THE BEAM SCHEDULE, THEN THEY MAY BE CLASS "B" TENSION SPLICED AT MIDSPAN.

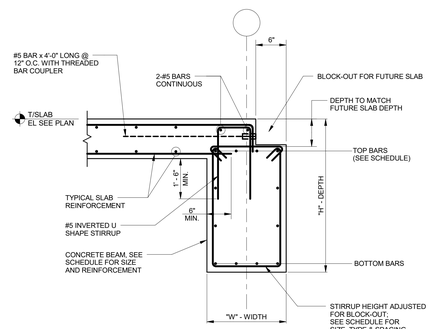
3 TYPICAL REINFORCED CONCRETE BEAM ELEVATION - PERIMETER BEAM
SCALE: NOT TO SCALE



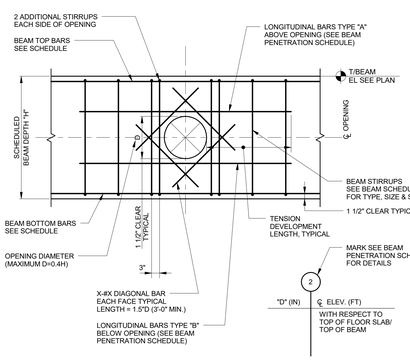
4A TYPICAL REINFORCED CONCRETE BEAM SECTION CLOSED STIRRUP - PERIMETER BEAM
SCALE: NOT TO SCALE



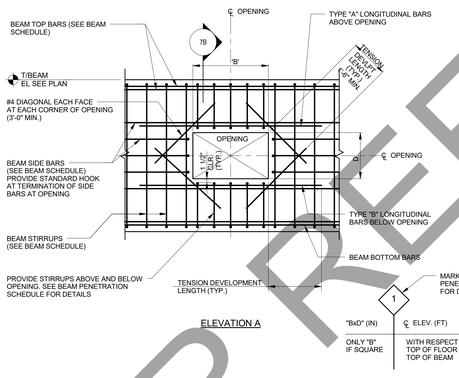
4B TYPICAL REINFORCED CONCRETE BEAM SECTION CLOSED STIRRUP - PERIMETER BEAM
SCALE: NOT TO SCALE



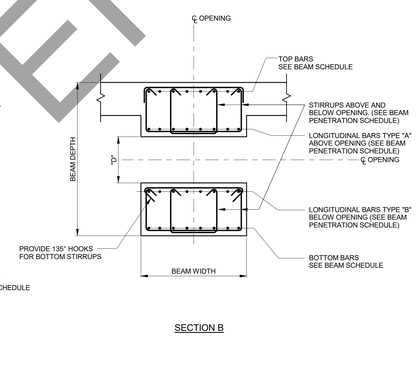
5 TYPICAL REINFORCED CONCRETE NOTCHED BEAM
SCALE: NOT TO SCALE



6 TYPICAL CIRCULAR BEAM PENETRATION
SCALE: NOT TO SCALE

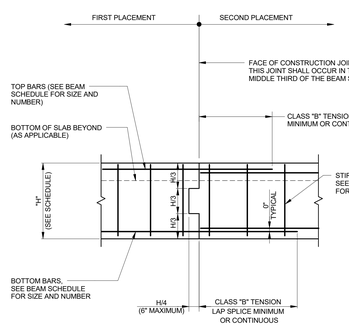


ELEVATION A



SECTION B

7 TYPICAL RECTANGULAR BEAM PENETRATION
SCALE: NOT TO SCALE



8 TYPICAL CONCRETE BEAM CONSTRUCTION JOINT
SCALE: NOT TO SCALE

LEVEL 5 REINFORCED CONCRETE BEAM SCHEDULE

MARK	W (IN.)	H (IN.)	REINFORCEMENT				STIRRUPS			REMARKS
			TOP BARS		BOTTOM BARS					
			MARK SIDE	OPP. SIDE	BOTTOM BARS	SIDE BARS EACH FACE	SIZE	# OF LEGS	SPACING (IN)	
L5B01	18	50	3 - #7	3 - #7	4 - #7	4 - #5	#4	2	12	
L5B02	38	58	21 - #10	21 - #10	6 - #10	8 - #5	#6	4	10	TOP BARS IN 3 LAYERS
L5B03	36	58	8 - #10	8 - #10	6 - #10	7 - #5	#6	4	10	
L5B04	36	58	5 - #9	5 - #9	27 - #9	7 - #5	#5	4	10	BOTTOM BARS IN 3 LAYERS
L5B05	36	58	5 - #9	5 - #9	27 - #10	8 - #5	#5	4	8	BOTTOM BARS IN 3 LAYERS
L5B06	16	74	3 - #6	3 - #6	3 - #6	7 - #5	#4	4	12	TOP, BOTTOM, AND SIDE BARS CONTINUOUS
L5B07	16	52	3 - #6	3 - #6	3 - #6	4 - #5	#4	4	12	TOP, BOTTOM, AND SIDE BARS CONTINUOUS
L5B08	14*/16	64	3 - #9	3 - #9	3 - #9	6 - #5	#4	4	12	TOP, BOTTOM, AND SIDE BARS CONTINUOUS, *14" WIDE AT ELEVATOR SHAFT
L5B09	16	52	3 - #9	3 - #9	3 - #9	5 - #5	#4	4	9	TOP, BOTTOM, AND SIDE BARS CONTINUOUS

REINFORCED CONCRETE BEAM SCHEDULE

MARK	W (IN.)	H (IN.)	REINFORCEMENT				STIRRUPS			REMARKS
			TOP BARS		BOTTOM BARS					
			MARK SIDE	OPP. SIDE	BOTTOM BARS	SIDE BARS EACH FACE	SIZE	# OF LEGS	SPACING (IN)	
B01	12	18	2 - #7	2 - #7	3 - #7	---	4	2	6	
B02*	8	36	2 - #5	2 - #5	2 - #5	4 - #5	4	2	6	* BEAM DESIGN ROTATED W.R.T. PLAN; T&B BARS CONT.; CLOSED STIRRUPS
B02A*	12	28	2 - #5	2 - #5	2 - #5	4 - #5	4	2	9	* BEAM DESIGN ROTATED W.R.T. PLAN; T&B BARS CONT.; CLOSED STIRRUPS
B03*	12	48	3 - #7	3 - #7	3 - #7	5 - #5	4	2	4	* BEAM DESIGN ROTATED W.R.T. PLAN; T&B BARS CONT.; CLOSED STIRRUPS
B04*	8	48	2 - #7	2 - #7	2 - #7	5 - #5	4	2	4	* BEAM DESIGN ROTATED W.R.T. PLAN; T&B BARS CONT.; CLOSED STIRRUPS
B04A*	12	48	2 - #7	2 - #7	2 - #7	5 - #5	4	2	4	* BEAM DESIGN ROTATED W.R.T. PLAN; T&B BARS CONT.; CLOSED STIRRUPS
B05	10	48	3 - #7	3 - #7	3 - #7	3 - #4	4	2	16	
B06	24	48	5 - #7	5 - #7	4 - #7	3 - #4	4	2	16	TOP AND BOTTOM BARS CONT. W/ HOOKED ENDS
B07	18	24	3 - #7	8 - #9	6 - #9	1 - #4	4	2	4	TOP BARS ON OPP SIDE IN 2 LAYERS
B08	18	24	6 - #9	8 - #9	2 - #7	1 - #4	4	2	6	TOP BARS IN 2 LAYERS; TOP BARS CONT.
B09	12	24	2 - #7	2 - #7	2 - #7	---	4	2	9	
B10	18	VARIES	4 - #8	4 - #8	4 - #8	5 - #5	4	2	12	SLOPE TOP OF BEAM
B11	18	VARIES	4 - #8	4 - #8	4 - #8	5 - #5	4	2	12	SLOPE TOP OF BEAM. TOP BARS CONT.
B12	18	28	12 - #9	12 - #9	12 - #9	1 - #5	4	4	4	TOP AND BOTTOM BARS IN 2 LAYERS; TOP BARS CONT.
B13	18	36	6 - #9	6 - #9	12 - #9	1 - #5	4	4	6	TOP BARS CONT.; BOTTOM BARS IN 2 LAYERS
B14	10	26.5 TO 41.5	2 - #8	2 - #8	2 - #8	#4 @ 10"	4	2	9	DEPTH VARIES
B14A	10	42 TO 56	2 - #8	2 - #8	2 - #8	#4 @ 10"	4	2	9	DEPTH VARIES
B15	18	26	3 - #8	3 - #8	4 - #8	---	4	2	10	
B16	18	26	4 - #8	4 - #8	4 - #8	---	4	2	10	TOP BARS CONT.
B17	10	42	2 - #5	2 - #5	2 - #5	3 - #4	4	2	10	*DEPTH VARIES - SEE 1&2/S-315.0. CLOSED STIRRUPS
B17A	18	58	3 - #8	3 - #8	3 - #8	5 - #4	4	2	18	CLOSED STIRRUPS
B18	18	24	3 - #7	3 - #7	3 - #7	---	4	2	9	
B19	12	36	4 - #7	4 - #7	3 - #7	2 - #4	4	2	12	
B20	18	75	2 - #8	2-#8	2 - #8	7 - #4	4	2	12	
B21	18	36	2 - #7	2 - #7	3 - #7	2 - #4	4	2	12	TOP BARS CONT.
B22	10	48	2 - #8	2 - #8	4 - #9	4 - #4	4	2	6	TOP BARS CONT.; BOTTOM BARS IN 2 LAYERS
B23	24	33	10 - #9	10 - #9	6 - #9	2 - #4	4	4	6	TOP BARS IN 2 LAYERS; TOP BARS CONT.
B24	24	33	10 - #9	10 - #9	5 - #7	2 - #4	4	2	12	TOP BARS IN 2 LAYERS; TOP BARS CONT.
B25	24	43	6 - #9	6 - #9	6 - #9	3 - #4	4	2	6	TOP BARS CONT.
B26	24	39	6 - #9	6 - #9	5 - #7	1 - #4	4	2	9	TOP BARS CONT.
B26A	24	30	6 - #9	6 - #9	5 - #7	1 - #4	4	2	9	TOP BARS CONT.
B27	24	53	4 - #9	6 - #9	8 - #9	4 - #4	4	2	6	BOTTOM BARS IN 2 LAYERS
B28	12	24	4 - #7	4 - #7	4 - #9	---	4	2	8	
B28A	12	19	4 - #7	4 - #7	4 - #9	---	4	2	8	
B29	18	42	3 - #9	8 - #9	8 -#9	3 - #5	5	2	6	TOP BARS ON OPP SIDE IN 2 LAYERS; BOTTOM BARS IN 2 LAYERS
B30	18	42	8 - #9	8 - #9	3 - #9	3 - #5	4	2	6	TOP BARS IN 2 LAYERS; TOP BARS CONT.
B31	20	30	4 - #7	6 - #9	4 - #9	1 - #4	4	4	10	
B32	24	36	8 - #9	8 - #9	4 - #9	3 - #4	4	2	12	TOP BARS CONT.
B33	24	42	8 - #9	8 - #9	16 - #9	3 - #5	5	4	6	BOTTOM BARS IN 2 LAYERS
B34	24	24	5 - #9	5 - #9	2 - #7	---	4	2	8	TOP BARS CONT.
B35	24	57	5 - #9	5 - #9	9 - #9	5 - #5	4	4	10	
B36	18	36	2 - #7	2 - #7	4 - #7	2 - #4	4	2	12	TOP BARS CONT.
B37	18	24	3 - #7	3 - #7	6 - #9	---	4	2	8	
B37A	18	27	8 - #9	8 - #9	8 - #9	1 - #4	4	4	9	TOP BARS CONT.; TOP AND BOTTOM BARS IN 2 LAYERS
B38	24	24	3 - #7	3 - #7	7 - #9	---	4	2	9	
B39	36	18	5 - #8	5 - #8	5 - #8	---	4	2	7	
B39A	12	18	3 - #7	3 - #7	3 - #7	---	4	2	7	
B39B	12	20	3 - #7	3 - #7	3 - #7	---	4	2	7	
B40	12	24	2 - #6	2 - #6	2 - #6	---	4	2	8	
B41	24	24	6 - #7	6 - #7	3 - #7	---	4	2	9	
B41A	24	VARIES	6 - #7	6 - #7	6 - #7	#4@10"	4	2	9	BOTTOM OF BEAM SLOPES WITH RAMP WEST OF GRID B
B42	18	65	6 - #7	6 - #7	6 - #7	5 - #4	4	2	12	TOP BARS CONT.
B43	18	50	6 - #7	6 - #7	12 - #8	4 - #4	4	4	8	BOTTOM BARS IN 2 LAYERS
B44	18	26	6 - #7	6 - #7	2 - #7	---	4	2	10	TOP BARS CONT.
B45	24	86	14 - #8	14 - #8	35 - #8	8 - #5	5	2	10	BOTTOM BARS IN 5 LAYERS; TOP BARS CONT. AND IN 2 LAYERS; fc = 8,000 PSI
B46	30	48	8 - #9	8 - #9	24 - #9	4 - #5	5	6	6	BOTTOM BARS IN 2 LAYERS; fc = 8,000 PSI
B47	30	48	8 - #9	8 - #9	8 - #9	4 - #5	5	5	9	fc = 8,000 PSI
B48	18	60	4 - #8	4 - #8	8 - #9	5 - #4	4	2	8	TOP BARS CONT.; BOTTOM BARS IN 2 LAYERS
B49	18	33	8 - #9	8 - #9	8 - #9	2 - #4	4	4	6	TOP AND BOTTOM BARS CONT.; TOP AND BOTTOM BARS IN 2 LAYERS
B50	18	33	8 - #9	8 - #9	4 - #9	2 - #4	4	4	8	TOP AND BOTTOM BARS CONT.; TOP BARS IN 2 LAYERS
B51	18	30	6 - #9	6 - #9	6 - #9	1 - #4	4	4	8	TOP BARS CONT.
B52	18	30	2 - #9	2 - #9	6 - #9	2 - #4	4	2	10	
B53	14	36	3 - #8	3 - #8	2 - #7	2 - #4	4	2	12	TOP BARS CONT.
B54	18	36	4 - #8	4 - #8	4 - #8	2 - #4	4	2	10	
B55	12	36	3 - #8	3 - #8	2 - #8	2 - #4	4	2	12	
B56	24	60	6 - #8	6 - #8	12 - #8	5 - #5	4	2	12	BOTTOM BARS IN 2 LAYERS
B57	48	35	13 - #9	13 - #9	4 - #9	2 - #5	4	4	12	TOP BARS CONT.
B58	48	26/35	13 - #9	6 - #9	13 - #9	2 - #5	4	4	6	STEP TOP OF BEAM
B59	10	18	2-#5	2 - #5	2 - #8	---	4	2	6	TOP BARS CONT.
B60	18	26	5 - #8	5 - #8	5 - #8	1 - #4	4	2	10	
B61	34	36	8 - #8	8 - #8	8 - #8	1 - #4	4	2	12	NOTCH BEAM PER S/S-306.0
B62	24	36	6-#8	6-#8	6-#8	1 - #4	4	2	12	NOTCH BEAM PER S/S-306.0
B63	12	VARIES	6-#6	6-#6	6-#6	#4@10"	4	2	8	BOT.OF BEAM ELEVATION MATCHES BOT. OF PINCKNEY SLAB, T&B IN 2 LAYERS
B64	18	18	5-#8	5-#8	5-#9	---	4	2	6	
B65	18	50	6 - #7	6 - #7	6 - #7	4 - #4	4	4	8	
B66	24	33	5 - #9	5 - #9	8 - #9	2 - #5	4	4	10	
B67	24	21	4 - #8	4 - #8	4 - #8	---	4	2	8	
B68	12	21	3 - #8	3 - #8	3 - #8	---	4	2	8	
B69	12	52	3 - #8	3 - #8	3 - #8	5 - #5	4	2	8	
B70	12	41	3 - #8	3 - #8	3 - #8	4 - #5	4	2	8	
B71	12	18	3 - #8	3 - #8	3 - #8	---	4	2	7	
B72	12	62	3 - #8	3 - #8	3 - #8	6 - #5	4	2	12	
B73	12	20	3 - #9	3 - #9	3 - #9	---	4	2	7	
B74	8	18	2 - #6	2 - #6	2 - #7	---	4	2	8	

FOR REFERENCE ONLY

General Notes

No.	Description	Date
13	BULLETIN #7	10/15/2018
12	FINAL BULLETIN #6	9/14/2018
11	BULLETIN #6	08/03/2018
10	BULLETIN #5	05/14/2018
9	BULLETIN #2	12/07/2017
8	BID DOCUMENTS	09/07/2017
7	ADDENDUM 3	08/02/2017
6	ADDENDUM 2	07/28/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

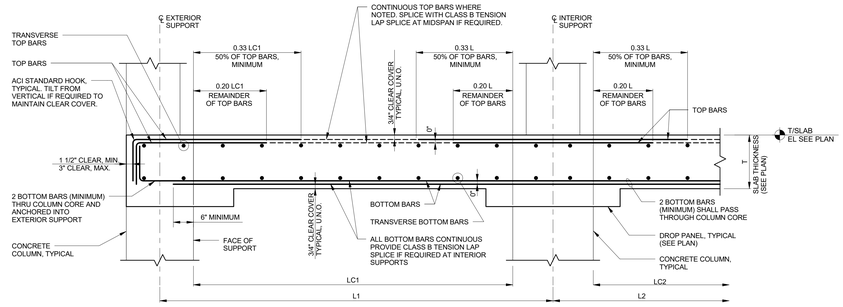
LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE

Drawing Title

TYPICAL REINFORCED CONCRETE BEAM SECTIONS AND DETAILS

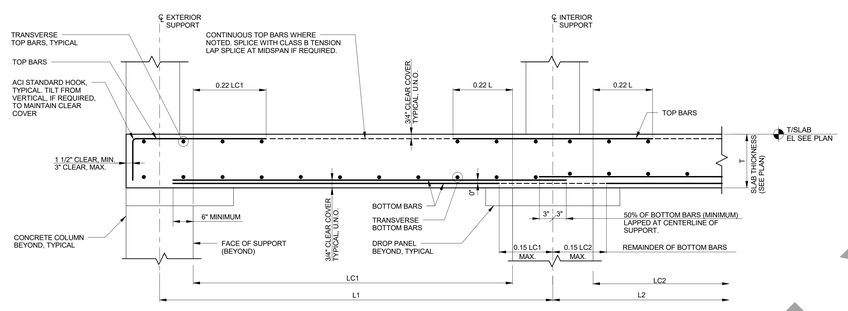
Drawn	Date
RT	10/15/2018 4:42:06 PM
Checked By	Drawing Number
JS	
Approved	
RH	S-306.0
Job Number	
B1605877	

D:\Documents\H+P-605877_Judge Doyle Square - - Phase 1 R18_ronald.lewis@gdc.corp-partner.google.com.rvt
10/15/2018 4:42:06 PM



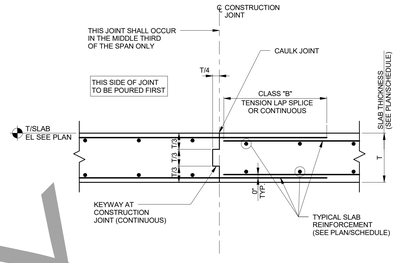
NOTES:
1. COLUMN STRIP AND MIDDLE STRIP DIMENSIONS ARE AS INDICATED IN PLAN.
2. L1 AND L2 ARE SPAN LENGTHS MEASURED FROM SUPPORT CENTERLINE TO SUPPORT CENTERLINE.
3. LC1 AND LC2 ARE CLEAR SPAN LENGTHS MEASURED FROM FACE OF SUPPORT TO FACE OF SUPPORT.
4. L = THE GREATER CLEAR SPAN OF LC1 AND LC2.
5. ALTERNATE PLACEMENT OF BARS OF DIFFERING LENGTHS.
6. SEE DETAIL 4 FOR REINFORCEMENT PLACEMENT DIAGRAM.

1 TYPICAL COLUMN STRIP - FLAT SLAB
SCALE: NOT TO SCALE

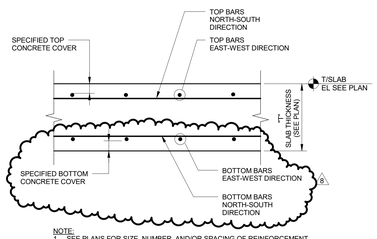


NOTES:
1. COLUMN STRIP AND MIDDLE STRIP DIMENSIONS ARE AS INDICATED IN PLAN.
2. L1 AND L2 ARE SPAN LENGTHS MEASURED FROM SUPPORT CENTERLINE TO SUPPORT CENTERLINE.
3. LC1 AND LC2 ARE CLEAR SPAN LENGTHS MEASURED FROM FACE OF SUPPORT TO FACE OF SUPPORT.
4. L = THE GREATER CLEAR SPAN OF LC1 AND LC2.
5. ALTERNATE PLACEMENT OF BARS OF DIFFERING LENGTHS.
6. SEE DETAIL 4 FOR REINFORCEMENT PLACEMENT DIAGRAM.

2 TYPICAL MIDDLE STRIP - FLAT SLAB
SCALE: NOT TO SCALE

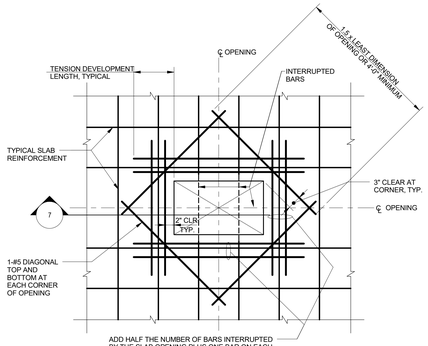


3 TYPICAL CONCRETE SLAB CONSTRUCTION JOINT
SCALE: NOT TO SCALE



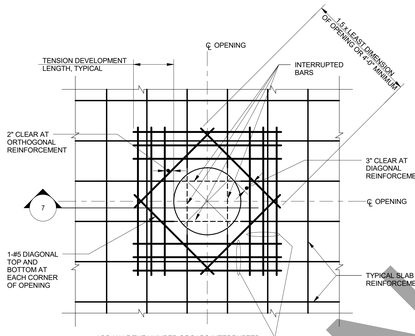
NOTE:
1. SEE PLANS FOR SIZE, NUMBER, AND/OR SPACING OF REINFORCEMENT.

4 REINFORCEMENT PLACEMENT DIAGRAM
SCALE: NOT TO SCALE



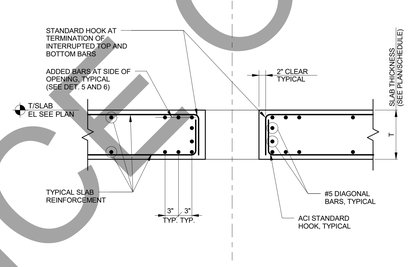
NOTE:
1. SEE PLAN FOR OPENING SIZE AND LOCATION.

5 TYPICAL SLAB DETAIL AT RECTANGULAR OPENING
SCALE: NOT TO SCALE

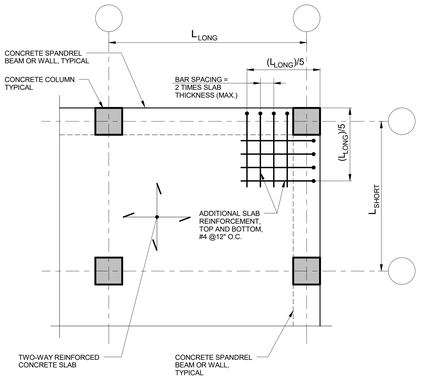


NOTE:
1. SEE PLAN FOR OPENING SIZE AND LOCATION

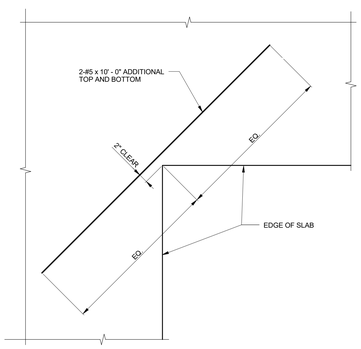
6 TYPICAL SLAB DETAIL AT CIRCULAR OPENING
SCALE: NOT TO SCALE



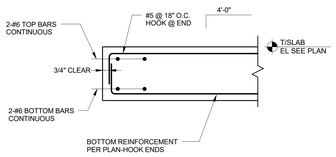
7 TYPICAL SECTION AT SLAB OPENING
SCALE: NOT TO SCALE



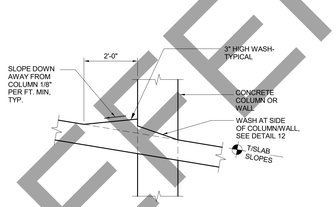
8 TWO-WAY SLAB CORNER REINFORCEMENT - WITH BEAMS OR WALLS ALONG BOTH EXTERIOR EDGES
SCALE: NOT TO SCALE



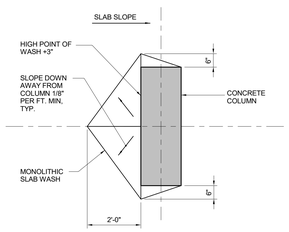
9 SLAB REINFORCEMENT AT RE-ENTRANT CORNER
SCALE: NOT TO SCALE



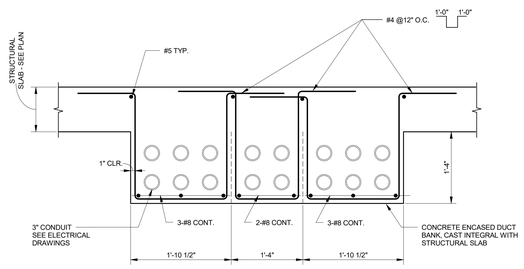
10 TYPICAL SLAB EDGE DETAIL
SCALE: NOT TO SCALE



11 TYPICAL SLAB WASH SECTION
SCALE: NOT TO SCALE

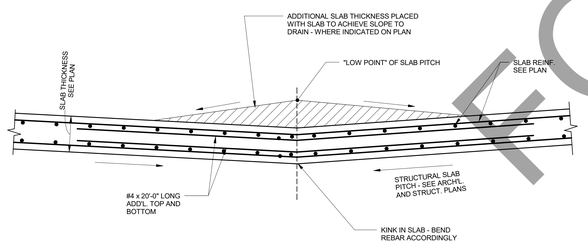


12 TYPICAL SLAB WASH PLAN AT COLUMN
SCALE: NOT TO SCALE

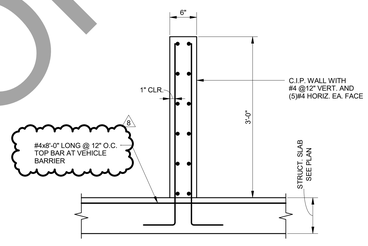


NOTE: ALL REINFORCEMENT IS EPOXY COATED.

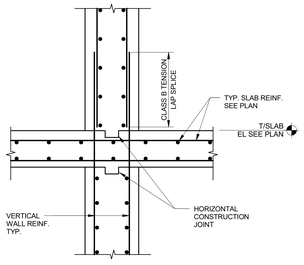
13 TYPICAL CONCRETE DUCT BANK DETAIL
SCALE: NOT TO SCALE



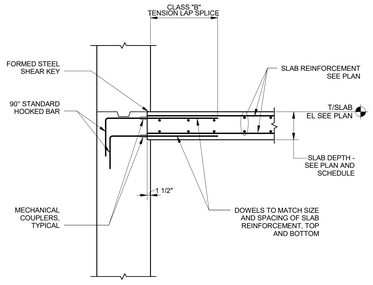
14 TYPICAL DETAL AT KINK IN SLAB
SCALE: NOT TO SCALE



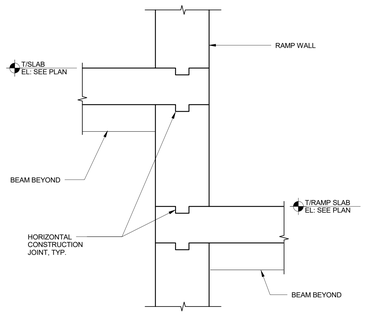
15 TYPICAL VEHICLE BARRIER WALL
SCALE: NOT TO SCALE



16 TYPICAL SLAB TO SHEAR WALL CONNECTION
SCALE: NOT TO SCALE



17 TYPICAL SLAB TO ELEVATOR WALL CONNECTION
SCALE: NOT TO SCALE



18 TYPICAL SLAB TO D.5 RAMP WALL CONNECTION
SCALE: NOT TO SCALE

FOR REFERENCE ONLY

General Notes

No.	Description	Date
8	BULLETIN #5	05/14/2018
7	BID DOCUMENTS	09/07/2017
6	ADDENDUM 2	07/28/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

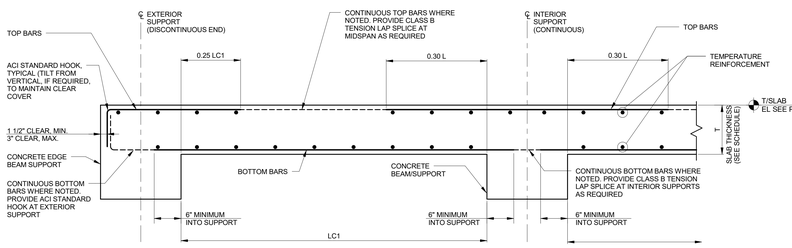
ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC
ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS
PARKING CONSULTANT:
WALKER PARKING CONSULTANTS
STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS
MEP/FP ENGINEERS:
AEI Affiliated Engineers
CIVIL ENGINEERS:
Mead & Hunt
LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE

Drawing Title

TYPICAL TWO-WAY REINFORCED CONCRETE SLAB DETAILS

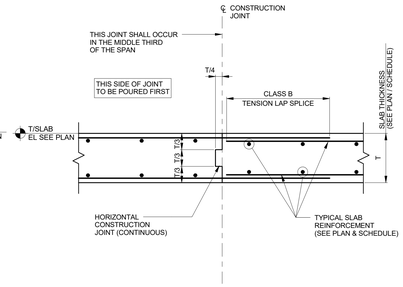
Drawn	Date
RT	5/11/2018 2:47:59 PM
Checked By	**Drawing Number**
JS	S-307.0
Approved	
RH	
Job Number	
B1605877	

C:\Users\jheisterest\Documents\H+P-605877_Judge Doyle Square - Phase 1 R18_jheisterestch.rvt
5/11/2018 2:47:59 PM

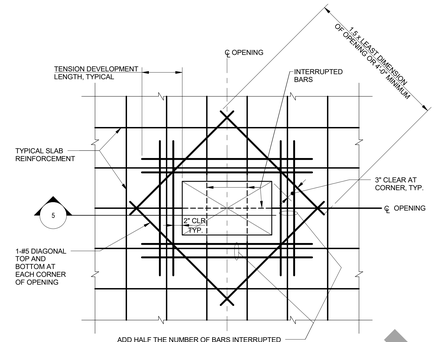


NOTES:
1. SEE PLAN FOR ONE-WAY SLAB MARKS; SEE ONE-WAY REINFORCED CONCRETE SLAB SCHEDULE FOR SLAB THICKNESS AND REINFORCEMENT.
2. LC1 AND LC2 ARE CLEAR SPAN LENGTHS MEASURED FROM FACE OF SUPPORT TO FACE OF SUPPORT.
3. L = THE GREATER CLEAR SPAN OF LC1 AND LC2.
4. AT INTERIOR SUPPORTS (CONTINUOUS ENDS), PROVIDE LARGER SIZE AND NUMBER OF TOP BARS FROM ADJACENT SPANS.

1 TYPICAL ONE-WAY REINFORCED CONCRETE SLAB ELEVATION
SCALE: NOT TO SCALE

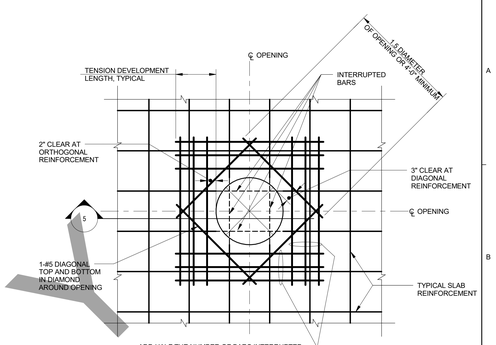


2 TYPICAL CONCRETE SLAB CONSTRUCTION JOINT
SCALE: NOT TO SCALE



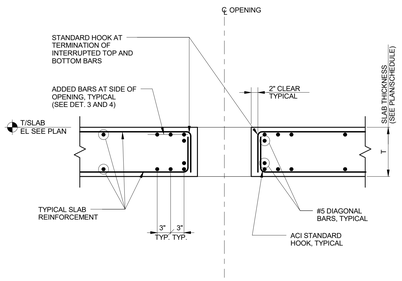
NOTE:
1. SEE PLAN FOR OPENING SIZE AND LOCATION

3 TYPICAL SLAB DETAIL AT RECTANGULAR OPENING
SCALE: NOT TO SCALE



NOTE:
1. SEE PLAN FOR OPENING SIZE AND LOCATIONS

4 TYPICAL SLAB DETAIL AT CIRCULAR OPENING
SCALE: NOT TO SCALE

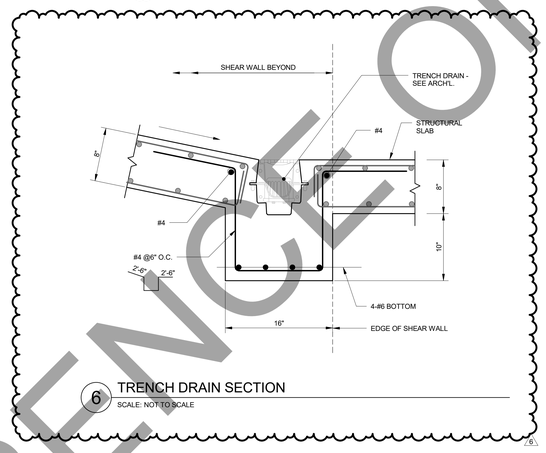


5 TYPICAL SECTION AT SLAB OPENING
SCALE: NOT TO SCALE

ONE-WAY REINFORCED CONCRETE SLAB SCHEDULE

SLAB MARK	SLAB THICKNESS "T" (IN.)	MAIN REINFORCEMENT						TEMP. REINF.	REMARKS
		BOTH ENDS CONTINUOUS		ONE END DISCONTINUOUS		BOTH ENDS DISCONTINUOUS			
		BOTTOM	TOP	BOTTOM	TOP	BOTTOM	TOP		
S1	8"	#4 @ 12"	#4 @ 10"	#4 @ 12"	#4 @ 10"	#4 @ 12"	#4 @ 12"	#4 @ 13"	
S2	10"					#4 @ 10"	#4 @ 10"	#4 @ 10"	

NOTE:
1. SEE DETAIL 1 FOR TYPICAL ONE-WAY REINFORCED CONCRETE SLAB DETAIL.



6 TRENCH DRAIN SECTION
SCALE: NOT TO SCALE

FOR REFERENCE ONLY

General Notes

No.	Description	Date
6	BULLETIN #2	12/07/2017
5	BID DOCUMENTS	09/07/2017
4	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
3	ISSUED FOR FINAL BID	06/23/2017
2	ISSUED FOR BID	06/16/2017
1	ISSUED FOR 100% CD'S/OWNER REVIEW	06/01/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

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HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

TYPICAL ONE-WAY REINFORCED CONCRETE SLAB DETAILS

Drawn	Date
RT	12/6/2017 3:23:52 PM
Checked By	**Drawing Number**
JS	S-308.0
Approved	
RH	
Job Number	
B1605877	

TRUE NORTH
PROJECT NORTH

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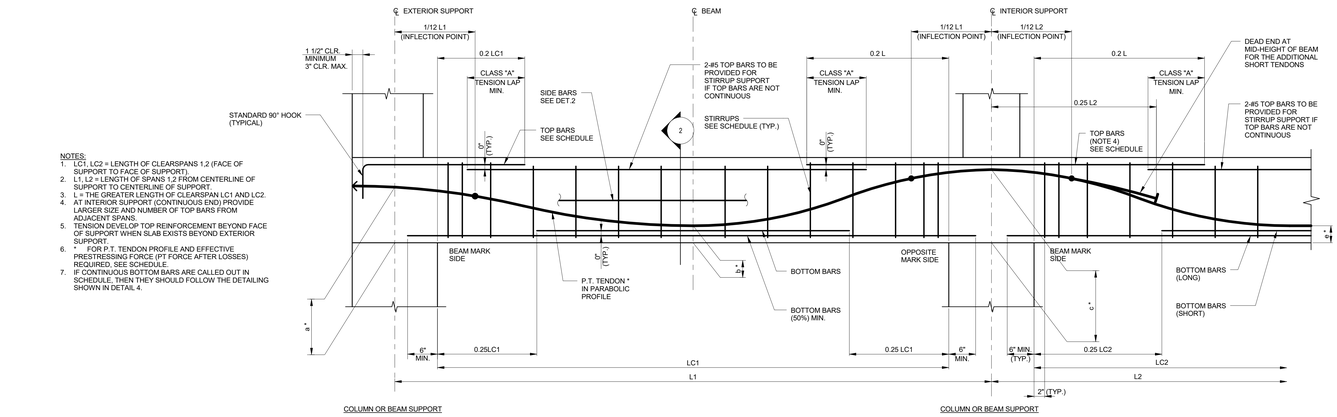
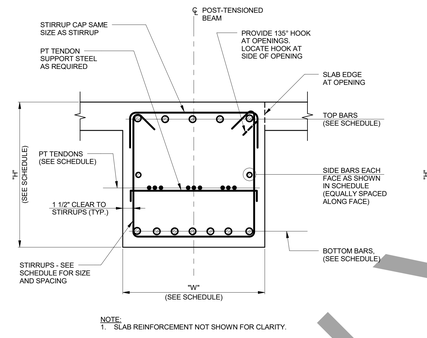
12/6/2017 3:23:52 PM



NOTES:
1. LC1, LC2 = LENGTH OF CLEARSPANS 1,2 (FACE OF SUPPORT TO FACE OF SUPPORT).
2. L1, L2 = LENGTH OF SPANS 1,2 FROM CENTERLINE OF SUPPORT TO CENTERLINE OF SUPPORT.
3. L = THE GREATER LENGTH OF CLEARSPAN LC1 AND LC2.
4. AT INTERIOR SUPPORT (CONTINUOUS END) PROVIDE LARGER SIZE AND NUMBER OF TOP BARS FROM ADJACENT SPANS.
5. TENSION DEVELOP TOP REINFORCEMENT BEYOND FACE OF SUPPORT WHEN SLAB EXISTS BEYOND EXTERIOR SUPPORT.
6. * FOR P.T. TENDON PROFILE AND EFFECTIVE PRESTRESSING FORCE (PT FORCE AFTER LOSSES) REQUIRED, SEE SCHEDULE.
7. IF CONTINUOUS BOTTOM BARS ARE CALLED OUT IN SCHEDULE, THEN THEY SHOULD FOLLOW THE DETAILING SHOWN IN DETAIL 4.

1 TYPICAL POST-TENSIONED CONCRETE BEAM ELEVATION

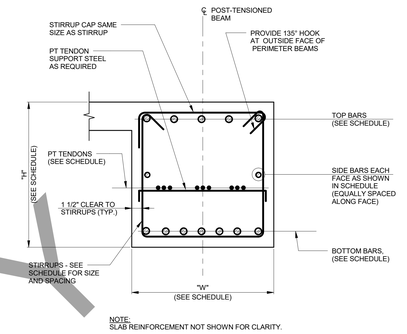
SCALE: NOT TO SCALE



NOTE:
1. SLAB REINFORCEMENT NOT SHOWN FOR CLARITY.

2 TYPICAL POST-TENSIONED CONCRETE BEAM SECTION

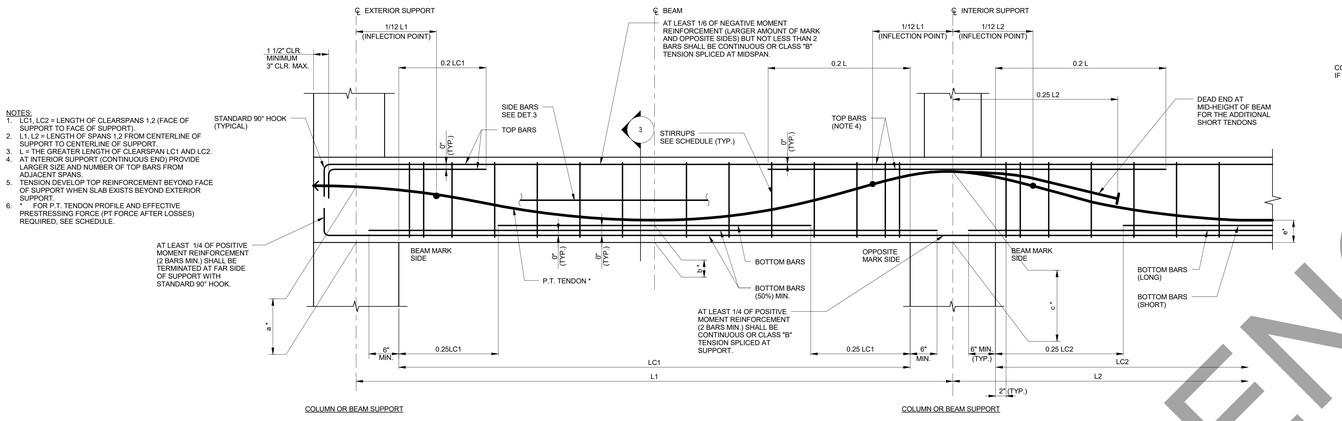
SCALE: NOT TO SCALE



NOTE:
SLAB REINFORCEMENT NOT SHOWN FOR CLARITY.

3 TYPICAL POST-TENSIONED CONCRETE PERIMETER BEAM SECTION

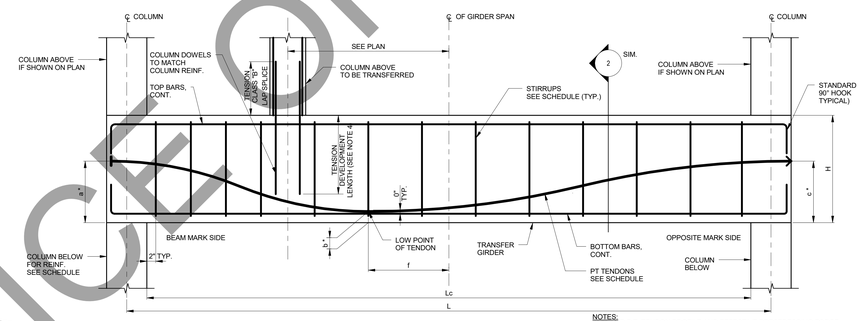
SCALE: NOT TO SCALE



NOTES:
1. LC1, LC2 = LENGTH OF CLEARSPANS 1,2 (FACE OF SUPPORT TO FACE OF SUPPORT).
2. L1, L2 = LENGTH OF SPANS 1,2 FROM CENTERLINE OF SUPPORT TO CENTERLINE OF SUPPORT.
3. L = THE GREATER LENGTH OF CLEARSPAN LC1 AND LC2.
4. AT INTERIOR SUPPORT (CONTINUOUS END) PROVIDE LARGER SIZE AND NUMBER OF TOP BARS FROM ADJACENT SPANS.
5. TENSION DEVELOP TOP REINFORCEMENT BEYOND FACE OF SUPPORT WHEN SLAB EXISTS BEYOND EXTERIOR SUPPORT.
6. * FOR P.T. TENDON PROFILE AND EFFECTIVE PRESTRESSING FORCE (PT FORCE AFTER LOSSES) REQUIRED, SEE SCHEDULE.

4 TYPICAL POST-TENSIONED CONCRETE PERIMETER BEAM ELEVATION

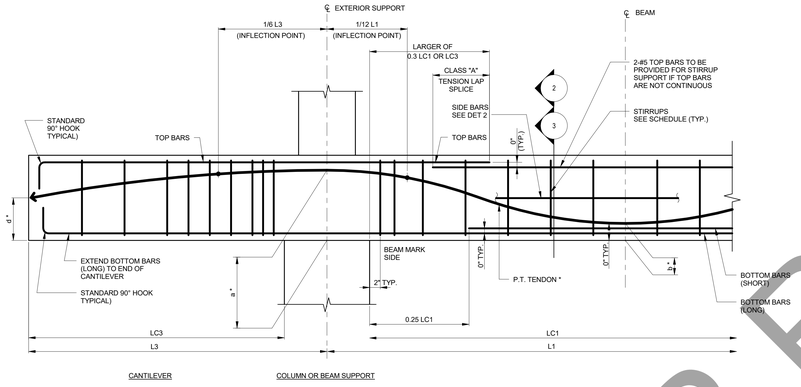
SCALE: NOT TO SCALE



NOTES:
1. * FOR P.T. TENDON PROFILE AND EFFECTIVE PRESTRESSING FORCE (PT FORCE AFTER LOSSES) REQUIRED, SEE SCHEDULE.
2. IF CONTINUOUS BOTTOM BARS ARE CALLED OUT IN SCHEDULE, THEN THEY SHOULD FOLLOW THE DETAILING SHOWN IN DETAIL 4.
3. FOR DIMENSION "f". SEE REMARKS COLUMN OF PT BEAM SCHEDULE.
4. IF TENSION DEVELOPMENT LENGTH IS NOT AVAILABLE, THEN PROVIDE HOOK AT BOTTOM OF DOWEL. THE EMBED LENGTH SHALL BE ENOUGH TO DEVELOP THE HOOK BAR (L> Ldh) IF A HOOK IS PROVIDED.

5 TYPICAL POST-TENSIONED CONCRETE TRANSFER GIRDER ELEVATION

SCALE: NOT TO SCALE



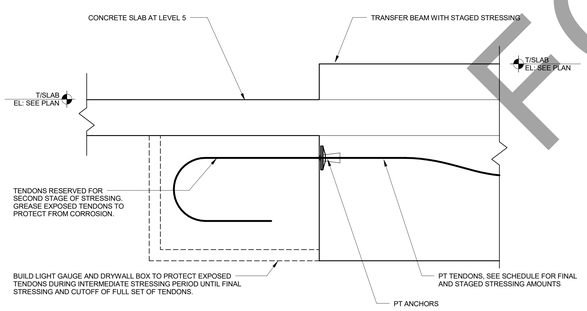
NOTES:
1. LC1 = LENGTH OF CLEARSPAN 1 (FACE OF SUPPORT TO FACE OF SUPPORT).
2. LC3 = LENGTH OF CLEARSPAN 3 (FACE OF SUPPORT TO END OF CANTILEVER)
3. L1 = LENGTH OF SPAN 1 FROM CENTERLINE OF SUPPORT TO CENTERLINE OF SUPPORT
4. L3 = LENGTH OF SPAN 3 FROM CENTERLINE OF SUPPORT TO END OF CANTILEVER.
5. AT INTERIOR SUPPORT (CONTINUOUS END) PROVIDE LARGER SIZE AND NUMBER OF TOP BARS FROM ADJACENT SPANS.
6. * FOR P.T. TENDON PROFILE AND EFFECTIVE PRESTRESSING FORCE (PT FORCE AFTER LOSSES) REQUIRED, SEE SCHEDULE.
7. IF BEAM SHOWN IN THIS DETAIL IS A PERIMETER BEAM THEN IT SHALL ALSO SATISFY THE REQUIREMENTS OF DETAIL 4 WITH RESPECT TO CONT. BARS.

6 TYPICAL POST-TENSIONED CONCRETE CANTILEVER BEAM ELEVATION

SCALE: NOT TO SCALE

POST-TENSIONED CONCRETE BEAM SCHEDULE

MARK	SIZE W (IN.)	SIZE H (IN.)	POST-TENSIONING: REQUIRED EFFECTIVE POST-TENSION FORCE (kips)	TENDON LOCATION (IN.) a	b	c	d	e	REINFORCEMENT: TOP BARS MARK SIDE	TOP BARS OPP. SIDE	BOTTOM BARS	SIDE BARS EACH FACE	STIRRUPS SIZE	# OF LEGS	SPACING (IN.)	REMARKS
PTB01	48	26	500	19	3	19	-	-	7-#7	7-#7	7-#7	- - -	#4	2	12	TRANSFER BEAM, SEE DETAIL 5. REQUIRES STAGED STRESSING.
PTB02	48	26	1075	19	3	19	-	-	7-#7	7-#7	7-#7	- - -	#4	4	12	TRANSFER BEAM, SEE DETAIL 5. REQUIRES STAGED STRESSING.
PTB03	48	26	560	20	3	20	-	-	7-#7	7-#7	7-#7	- - -	#4	2	12	TRANSFER BEAM, SEE DETAIL 5. REQUIRES STAGED STRESSING.
PTB04	30	26	635	17	2.25	22	-	-	6-#8	6-#8	3-#8	- - -	#4	2	12	
PTB05	14	42	110	21	2.25	21	-	-	2-#8	2-#8	2-#8	3 - #4	#4	2	14	UPTURNED
PTB05A	14	42	110	39.75	24	34	21	-	2-#8	2-#8	2-#8	3 - #4	#4	2	14	UPTURNED
PTB06	30	26	530	17	2.25	22	-	-	6-#8	6-#8	3-#8	- - -	#4	2	12	
PTB07	30	26	430	17	2.25	22	-	-	6-#8	6-#8	3-#8	- - -	#4	2	12	
PTB08	30	26	580	17	2.25	22	13	-	6-#8	6-#8	3-#8	- - -	#4	2	12	
PTB09	24	36	530	17	2.25	17	-	-	6-#8	6-#8	3-#8	- - -	#4	2	12	NOTCH BEAM PER S/S-306
PTB10	24	30	270	14	2.25	27	-	-	5-#9	8-#9	3-#9	- - -	#4	2	12	
PTB11	24	30	432	14	2.25	27	-	-	7-#9	8-#9	4-#9	- - -	#4	2	8	
PTB12	24	30	336	27	2.25	27	-	-	5-#9	5-#9	5-#9	- - -	#4	2	12	TOP AND BOTTOM BARS CONTINUOUS
PTB13	24	30	336	27	18	27	-	-	5-#9	5-#9	5-#9	- - -	#4	2	12	TOP AND BOTTOM BARS CONTINUOUS
8																



7 STAGED STRESSING PROTECTION DETAIL

SCALE: 1" = 1'-0"

LEVEL 5 POST-TENSIONED CONCRETE TRANSFER BEAM SCHEDULE

MARK	SIZE W (IN.)	SIZE H (IN.)	POST-TENSIONING: REQUIRED EFFECTIVE POST-TENSION FORCE (kips)	TENDON LOCATION (IN.) a	b	c	d	e	REINFORCEMENT: TOP BARS MARK SIDE	TOP BARS OPP. SIDE	BOTTOM BARS	SIDE BARS EACH FACE	STIRRUPS SIZE	# OF LEGS	SPACING (IN.)	REMARKS
TRPT01	44	58	432 800	47 18	18 3	47 18	-	-	7-#10	7-#10	7-#10	5-#4	#6	6	7@6", R @12"	TRANSFER BEAM, SEE DETAIL 5. REQUIRES STAGED STRESSING. ONLY STRESS TOP LAYER OF POST-TENSIONING AT INITIAL STRESSING. STRESS REMAINDER @ LEVEL 9
TRPT02	40	58	324 324	47 55	32 26	47 26	29	-	8-#9	8-#9	8-#9	5-#4	#6	4	12"	TRANSFER BEAM, SEE DETAIL 5. REQUIRES STAGED STRESSING. ONLY STRESS TOP LAYER OF POST-TENSIONING AT INITIAL STRESSING. STRESS REMAINDER @ LEVEL 9
TRPT03	36	58	324 650	47 10	18 3	29 29	-	-	8-#9	8-#9	8-#9	5-#4	#6	4	8"	TRANSFER BEAM, SEE DETAIL 5. REQUIRES STAGED STRESSING. ONLY STRESS TOP LAYER OF POST-TENSIONING AND 135 KIPS OF LOWER LAYER AT INITIAL STRESSING. STRESS REMAINDER @ LEVEL 9
TRPT04	50	58	432 378	47 55	26 26	47 55	47 29	-	5-#10	5-#10	5-#10	5-#4	#6	6	8"	TRANSFER BEAM, SEE DETAIL 5. REQUIRES STAGED STRESSING. ONLY STRESS TOP LAYER OF POST-TENSIONING AT INITIAL STRESSING. STRESS REMAINDER @ LEVEL 9. NOT AT EXTERIOR END OF BEAM ALL TENDON CGS TO BE A ELEV. 29
TRPT05	44	58	1000	45.5	3	55	29	-	8-#10	5-#10	6-#10	5-#5	#6	6	8"	TRANSFER BEAM, SEE DETAIL 5. REQUIRES STAGED STRESSING. PROVIDE 297 KIPS AT INTIAL STRESSING. STRESS REAMINDER @ LEVEL 9
TRPT05A	44	58	1000	55	26	29	-	-	5-#10	5-#10	6-#10	5-#5	#6	4	12"	TRANSFER BEAM, SEE DETAIL 5. REQUIRES STAGED STRESSING. PROVIDE 297 KIPS AT INTIAL STRESSING. STRESS REAMINDER @ LEVEL 9
TRPT06	48	58	1320	55	3	55	29	-	7-#10	7-#10	6-#10	5-#5	#6	6	8"	TRANSFER BEAM, SEE DETAIL 5. REQUIRES STAGED STRESSING. PROVIDE 278 KIPS AT INTIAL STRESSING. STRESS REAMINDER @ LEVEL 9
TRPT06A	48	58	1320	29	28	55	-	-	7-#10	7-#10	6-#10	5-#5	#6	4	18"	TRANSFER BEAM, SEE DETAIL 5. REQUIRES STAGED STRESSING. PROVIDE 278 KIPS AT INTIAL STRESSING. STRESS REAMINDER @ LEVEL 9

NOTE: 1. WHERE TWO LAYERS OF POST TENSIONING ARE NOTED, THE TOP LAYER OF PT CONTINUES THE BANDED DIRECTION OF PT FROM THE SLAB. SEE S-105.0 FOR ADDITIONAL INFORMATION.
2. SEE REMARKS FOR STAGED STRESSING INFORMATION. SEE DETAIL 5 FOR ADDITIONAL INFORMATION REGARDING TRANSFER PT BEAMS.
3. SEE DETAIL 7 FOR PROTECTION OF STAGED STRESSING DURING INTERMEDIATE PERIOD

FOR REFERENCE ONLY

General Notes

No.	Description	Date
8	FINAL BULLETIN #6	9/14/2018
7	BULLETIN #6	08/03/2018
6	BID DOCUMENTS	09/07/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE PLANNING LANDSCAPE ARCHITECTURE URBAN DESIGN

Drawing Title

POST-TENSIONED CONCRETE BEAM SCHEDULE AND DETAILS

Drawn	Date
RT	9/14/2018 3:08:50 PM
Checked By	**Drawing Number**
JS	S-309.0
Approved	
RH	
Job Number	
B1605877	

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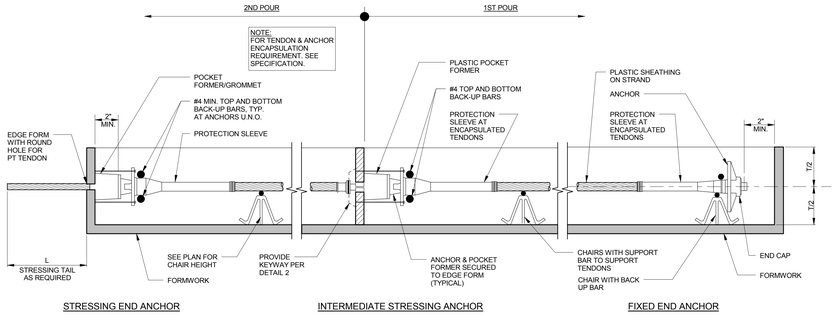
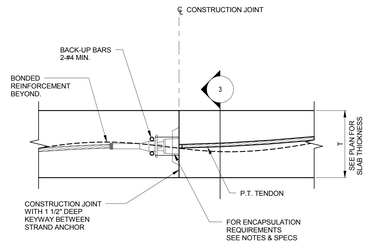


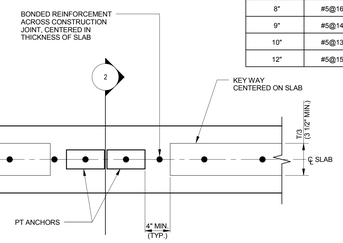
NOTES:
1. FOR MORE INFORMATION ON CONSTRUCTION JOINT @INTERMEDIATE STRESSING LOCATION. SEE DETAIL 2.
2. FOR ENCAPSULATION REQUIREMENT OF TENDONS AND ANCHORAGES, SEE POST-TENSIONED SLAB CONCRETE NOTES ON THE GENERAL NOTES SHEET.

1 TYPICAL POST-TENSIONED SLAB ANCHORAGE DETAILS
SCALE: NOT TO SCALE

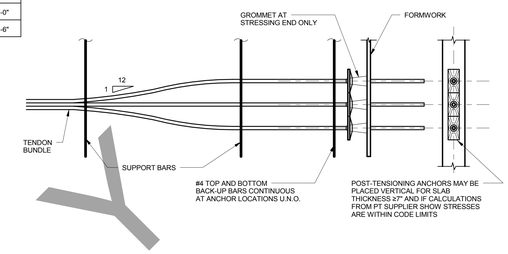


2 CONSTRUCTION JOINT DETAIL
SCALE: NOT TO SCALE

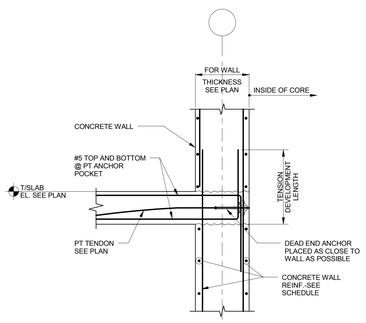
THICKNESS "T"	BONDED REINFORCEMENT
8"	#5@16" x 4'-0"
9"	#5@14" x 4'-0"
10"	#5@13" x 4'-0"
12"	#5@15" x 4'-6"



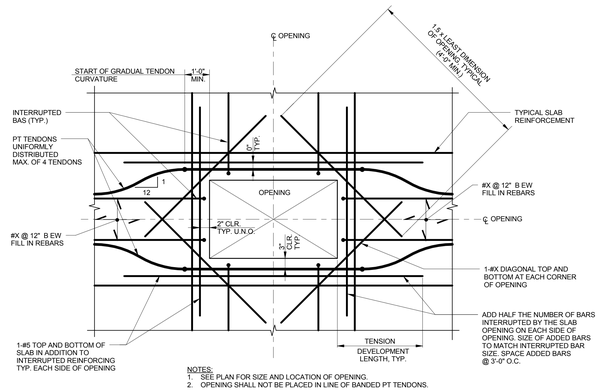
3 CONSTRUCTION JOINT ELEVATION
SCALE: NOT TO SCALE



4 FLARING OF TENDON GROUPS @ SLAB EDGES - PLAN
SCALE: NOT TO SCALE

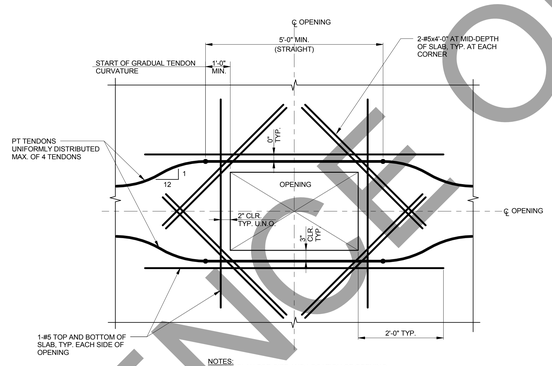


5 TYPICAL POST-TENSIONED SLAB AT CORE WALL
SCALE: NOT TO SCALE



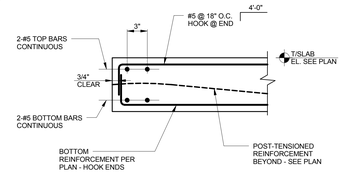
NOTES:
1. SEE PLAN FOR SIZE AND LOCATION OF OPENING.
2. OPENING SHALL NOT BE PLACED IN LINE OF BANDED PT TENDONS.

6 TYPICAL POST-TENSIONED SLAB OPENING REINFORCEMENT
SCALE: NOT TO SCALE

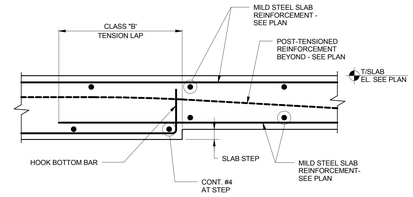


NOTES:
1. SEE PLAN FOR SIZE AND LOCATION OF OPENING.
2. OPENING SHALL NOT BE PLACED IN LINE OF BANDED PT TENDONS.

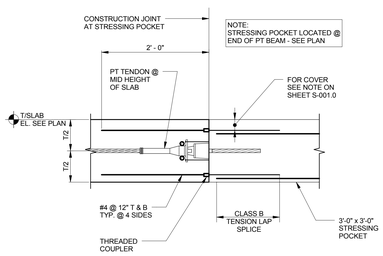
7 TYPICAL POST-TENSIONED SLAB OPENING REINFORCEMENT
SCALE: NOT TO SCALE



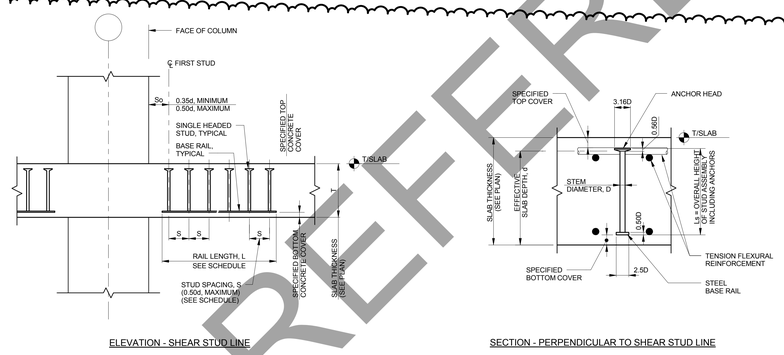
8 TYPICAL PT SLAB EDGE DETAIL
SCALE: NOT TO SCALE



9 DETAIL AT SLAB STEP
SCALE: NOT TO SCALE



10 SECTION AT STRESSING POCKETS
SCALE: NOT TO SCALE



ELEVATION - SHEAR STUD LINE

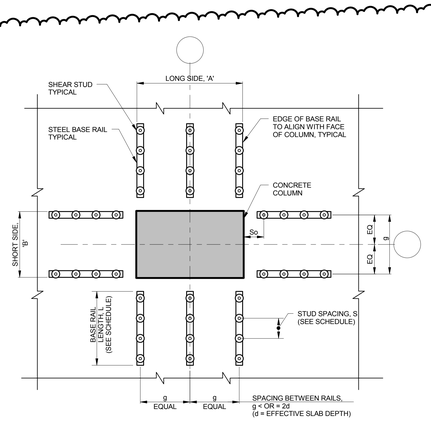
SECTION - PERPENDICULAR TO SHEAR STUD LINE

11 TYPICAL HEADED SHEAR STUD REINFORCEMENT (SSR)
SCALE: NOT TO SCALE

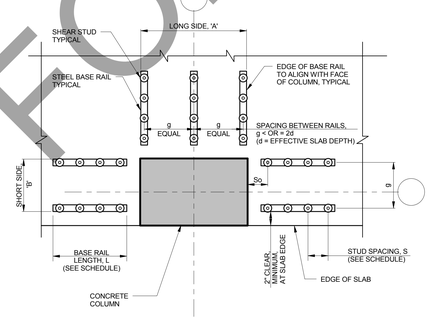
HEADED SHEAR STUD REINFORCEMENT SCHEDULE

MARK	NUMBER OF RAILS		STUDS PER RAIL	STEM DIAMETER, D	RAIL LENGTH, L	STUD SPACING, S	OVERALL HEIGHT, Ls	REMARKS
	"A" SIDE	"B" SIDE						
SSR1	4	3	6	1/2"	27.75"	4.25"	5.25"	
SSR2	5	3	6	1/2"	27.75"	4.25"	5.25"	
SSR3	3	3	8	1/2"	36.25"	4.25"	5.25"	

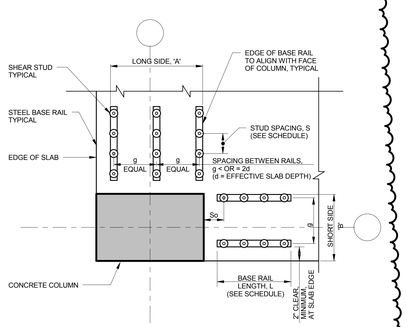
NOTES:
1. ALL HEADED SHEAR STUD REINFORCEMENT SHALL CONFORM TO THE STANDARDS OF ASTM A1044.
2. SEE DETAILS THIS SHEET FOR ADDITIONAL INFORMATION.
3. ALL HEADED SHEAR STUD REINFORCEMENT TO BE PLACED PER THE MANUFACTURER'S REQUIREMENTS.
4. BASE RAILS SHALL BE PLACED PERPENDICULAR TO THE FACE OF THE COLUMN AND SPACED EQUALLY ACROSS THE FACE OF THE COLUMN.
5. STUD ASSEMBLIES SHALL BE PLACED SUCH THAT THE SHEAR STUDS ARE VERTICAL AND REMAIN VERTICAL DURING CONCRETE PLACEMENT.



12 STUD ASSEMBLY LAYOUT AT INTERIOR COLUMN
SCALE: NOT TO SCALE



13 STUD ASSEMBLY LAYOUT AT EXTERIOR COLUMN
SCALE: NOT TO SCALE



14 STUD ASSEMBLY LAYOUT AT CORNER COLUMN
SCALE: NOT TO SCALE

FOR REFERENCE ONLY

General Notes

No.	Description	Date
7	BULLETIN #6	08/03/2018
6	BID DOCUMENTS	09/07/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC
ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS
PARKING CONSULTANT:
WALKER PARKING CONSULTANTS
STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS
MEP/FP ENGINEERS:
AEI Affiliated Engineers
CIVIL ENGINEERS:
Mead & Hunt
LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

POST-TENSIONED CONCRETE SLAB DETAILS

Drawn	Date
RT	8/3/2018 4:29:35 PM
Checked By	Drawing Number
JS	
Approved	
RH	S-310.0
Job Number	
B1605877	

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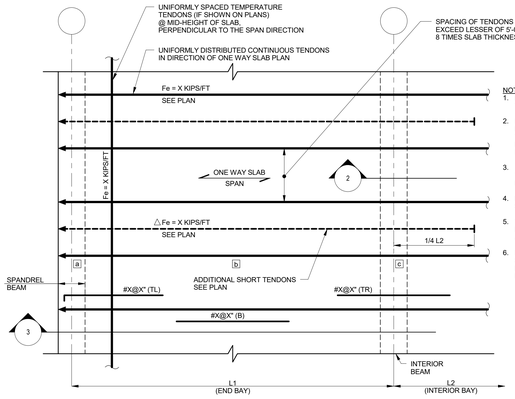
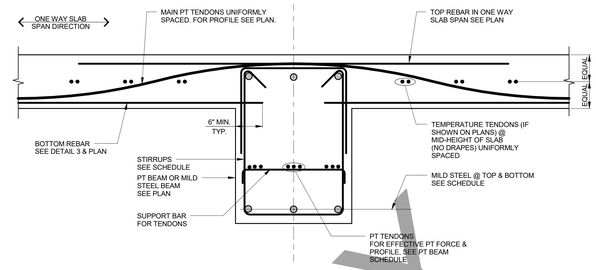


NOTES:
1. PT TENDONS SHALL BE 1/2"Ø - LOW RELAXATION TYPE WITH Fpu=270 KSI.
2. Fe IS THE EFFECTIVE PT FORCE AFTER LOSSES REQUIRED PER FOOT OF SLAB WIDTH. △Fe IS THE ADDITIONAL EFFECTIVE PT FORCE AFTER LOSSES REQUIRED PER FOOT OF SLAB WIDTH IN THE END SPANS.
3. [a] [b] [c] DEFINE THE PROFILE OF THE PT TENDONS AND ARE GIVEN ON REINFORCING PLANS.
4. END SPAN CONDITION IS SHOWN ON THIS SKETCH.
5. TENDONS CAN BE BUNDLED TOGETHER AS LONG AS THE MAX. SPACING REQUIREMENTS ARE NOT EXCEEDED (4 MAX PER BUNDLE).
6. FOR TENDONS SHOWN WITH ONE END STRESSING, THE STRESSING END CAN BE REVERSED WITH PRIOR APPROVAL FROM THE ENGINEER OF RECORD.

POST-TENSIONED ONE-WAY SLAB SCHEDULE

SLAB MARK	SLAB THICKNESS "T" (IN.)	POST-TENSIONING					LONGITUDINAL REINFORCEMENT			REMARKS
		REQ'D EFF. P/T FORCE(KIP)	TENDON LOCATION (IN.)			TEMPERATURE TENDONS(KIP/FT)	TOP BARS		BOTTOM BARS	
			"a"	"b"	"c"		TL	TR		
PS1	8	17.8	4	4	6	9.6	#4@12"	#4@12"	#4@12"	
PS2	8	17.8	6	1	6	9.6	#4@12"	#4@12"	#4@12"	
PS3	8	16	4	4	6	9.6	#4@8"	#4@8"	#4@8"	TOP AND BOTTOM CONT. AND HOOKED AT ENDS
PS4	8	16	6	1	6	9.6	#4@10"	#4@10"	#4@12"	△6
PS5	8	16	6	4	6	9.6	#4@12"	#4@12"	#4@12"	

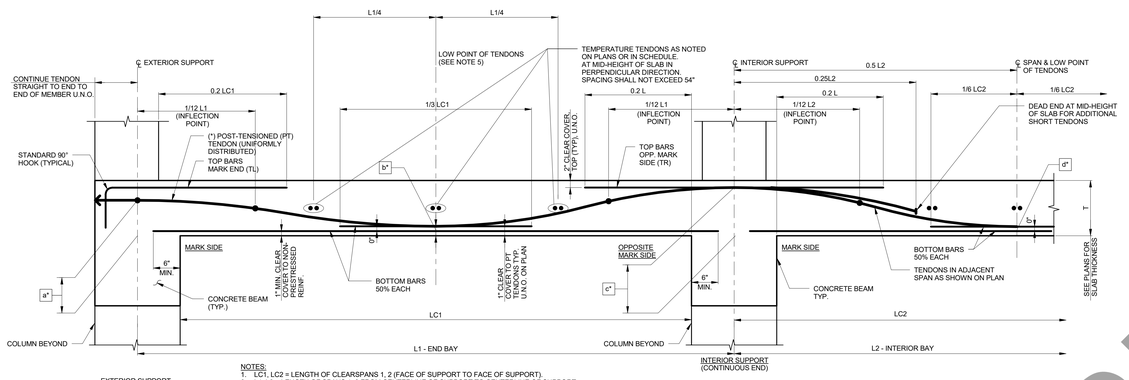
NOTES:
1. PROFILES GIVEN ARE FROM BOTTOM OF SLAB TO CENTER LINE OF TENDON.
2. POST-TENSIONING TENDONS LARGER THAN 110 FEET IN LENGTH SHALL BE STRESSED FROM BOTH ENDS.
3. TEMPERATURE TENDONS ARE SHOWN ON PLAN. IF NONE ARE SHOWN THAN THE TEMPERATURE REINFORCEMENT SHALL BE IN MILD STEEL.
4. "LEFT END" MAY BE NORTH OR EAST END, WHILE THE "RIGHT END" MAY BE SOUTH OR WEST END.



STRESSING SEQUENCE:
1. STRESS CONTINUOUS UNIFORM SLAB TENDONS FIRST.
2. STRESS TEMPERATURE TENDONS (IF PROVIDED AND SHOWN ON PLANS).
3. STRESS BEAM TENDONS.
4. STRESS ADDED (SHORT) TENDONS.

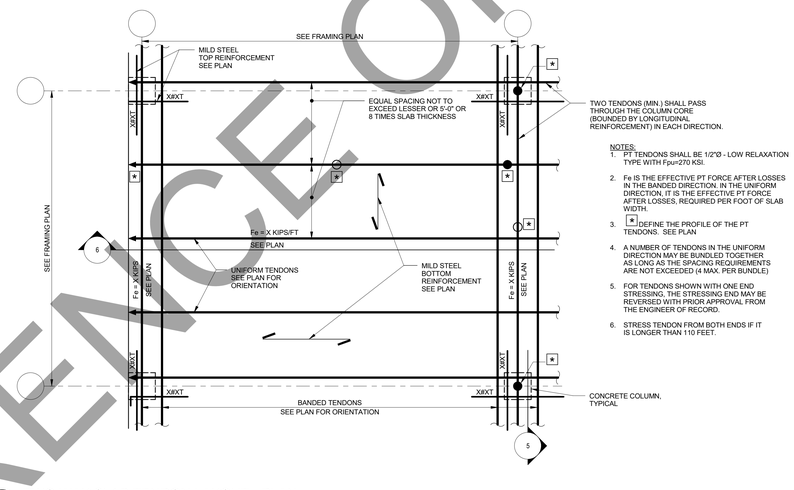
1 ONE WAY SLAB TENDON LAYOUT
SCALE: NOT TO SCALE

2 POST-TENSIONED SLAB PLACEMENT SEQUENCE - ONE WAY SLAB
SCALE: NOT TO SCALE



NOTES:
1. LC1, LC2 = LENGTH OF CLEARSPANS 1, 2 (FACE OF SUPPORT TO FACE OF SUPPORT).
2. L1, L2 = LENGTH OF SPANS 1, 2 FROM CENTERLINE OF SUPPORT TO CENTERLINE OF SUPPORT.
3. SEE PLANS FOR MILD STEEL REINFORCING
4. DO NOT BUNDLE TENDONS SUCH THAT SPACING OF TENDONS IN UNIFORM DIRECTION EXCEEDS THE SMALLER OF 60" OR 8 TIMES THE SLAB THICKNESS.
5. IN END SPANS, PLACE LOW POINT OF TENDONS AT 0.45L FROM EXTERIOR SUPPORT LINE, U.N.O.
6. L = THE GREATER LENGTH OF CLEARSPAN LC1 OR LC2.
7. * FOR TENDON PROFILE AND EFFECTIVE PRESTRESSING FORCE IN SLAB, SEE PLAN.

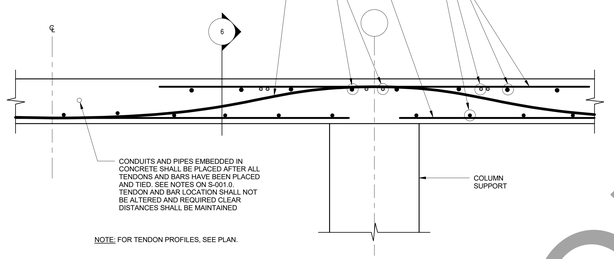
3 TYPICAL POST-TENSIONED CONCRETE ONE WAY SLAB ELEVATION
SCALE: NOT TO SCALE



NOTES:
1. PT TENDONS SHALL BE 1/2"Ø - LOW RELAXATION TYPE WITH Fpu=270 KSI.
2. Fe IS THE EFFECTIVE PT FORCE AFTER LOSSES IN THE BANDED DIRECTION. IN THE UNIFORM DIRECTION, IT IS THE EFFECTIVE PT FORCE AFTER LOSSES, REQUIRED PER FOOT OF SLAB WIDTH.
3. [*] DEFINE THE PROFILE OF THE PT TENDONS. SEE PLAN
4. A NUMBER OF TENDONS IN THE UNIFORM DIRECTION MAY BE BUNDLED TOGETHER AS LONG AS THE SPACING REQUIREMENTS ARE NOT EXCEEDED (4 MAX. PER BUNDLE)
5. FOR TENDONS SHOWN WITH ONE END STRESSING, THE STRESSING END MAY BE REVERSED WITH PRIOR APPROVAL FROM THE ENGINEER OF RECORD.
6. STRESS TENDON FROM BOTH ENDS IF IT IS LONGER THAN 110 FEET.

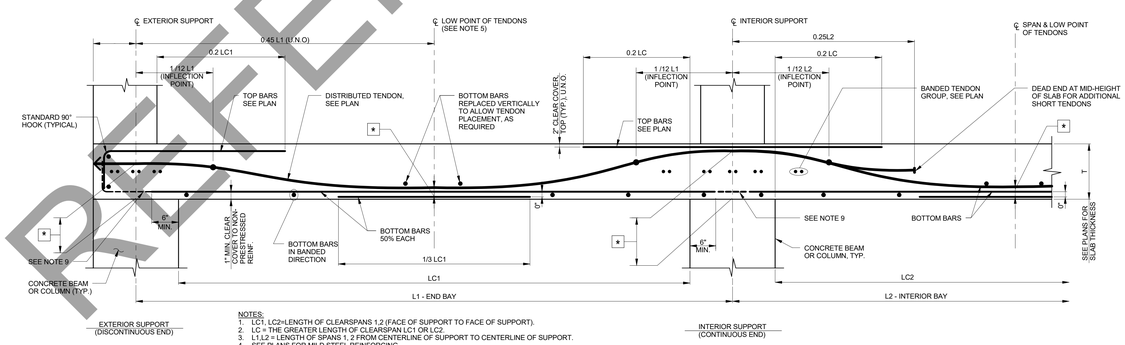
4 TWO WAY SLAB TENDON LAYOUT - PLAN
SCALE: NOT TO SCALE

NOTES ON PLACEMENT SEQUENCE:
1. PLACE BANDED DIRECTION BOTTOM BARS.
2. PLACE DISTRIBUTED DIRECTION TENDONS AND TOP BARS ADJACENT TO & WITHIN COLUMN FOOTPRINT.
3. PLACE BANDED DIRECTION TENDONS.
4. PLACE UNIFORM DIRECTION BOTTOM BARS.
5. PLACE REMAINING DISTRIBUTED TENDONS.
6. PLACE REMAINING TOP STEEL.



NOTE: FOR TENDON PROFILES, SEE PLAN.

5 TWO WAY SLAB REINFORCEMENT PLACEMENT SEQUENCE
SCALE: NOT TO SCALE



NOTES:
1. LC1, LC2=LENGTH OF CLEARSPANS 1,2 (FACE OF SUPPORT TO FACE OF SUPPORT).
2. LC = THE GREATER LENGTH OF CLEARSPAN LC1 OR LC2.
3. L1,L2 = LENGTH OF SPANS 1, 2 FROM CENTERLINE OF SUPPORT TO CENTERLINE OF SUPPORT.
4. SEE PLANS FOR MILD STEEL REINFORCING.
5. DO NOT BUNDLE TENDONS SUCH THAT SPACING OF TENDONS IN UNIFORM DIRECTION EXCEEDS THE SMALLER OF 60" OR 8 TIMES THE SLAB THICKNESS.
6. IN END SPANS, PLACE LOW POINT OF TENDONS AT 0.45L FROM EXTERIOR SUPPORT LINE
7. [*] FOR TENDON PROFILE AND EFFECTIVE PRESTRESSING FORCE, SEE PLAN.
8. BUNDLED TENDON GROUP SHALL BE PLACED SUCH THAT EACH TENDON FOLLOWS THE SPECIFIED DRAPE PROFILE.
9. AT LEAST 2 TENDONS SHALL PASS THROUGH THE COLUMN CORES. NOTIFY THE ARCHITECT/ENGINEER OF ALL LOCATIONS WHERE TENDONS CANNOT PASS THROUGH COLUMN CORES FOR REMEDIATION.

NOTE: SIMILAR LAYOUT OF TENDONS & MILD STEEL SHALL APPLY IN THE PERPENDICULAR DIRECTION.

6 TYPICAL POST-TENSIONED CONCRETE TWO WAY SLAB ELEVATION
SCALE: NOT TO SCALE

FOR REFERENCE ONLY

General Notes

No.	Description	Date
8	FINAL BULLETIN #6	9/14/2018
7	BULLETIN #5	08/03/2018
6	BID DOCUMENTS	09/07/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC
ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS
PARKING CONSULTANT:
WALKER PARKING CONSULTANTS
STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS
MEP/FP ENGINEERS:
AEI Affiliated Engineers
CIVIL ENGINEERS:
Mead & Hunt
LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

POST-TENSIONED CONCRETE SLAB DETAILS

Drawn	Date
RT	9/14/2018 2:43:54 PM
Checked By	Drawing Number
JS	S-311.0
Approved	
RH	
Job Number	
B1605877	

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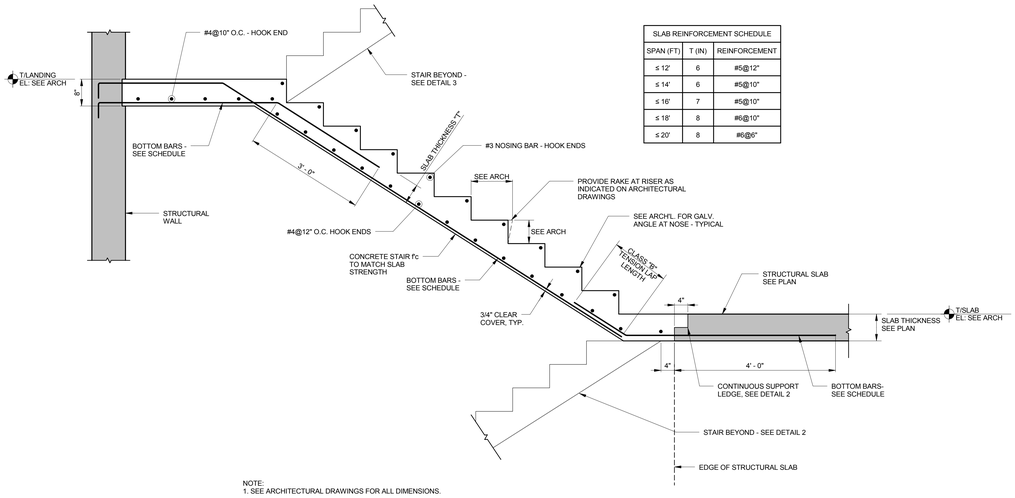
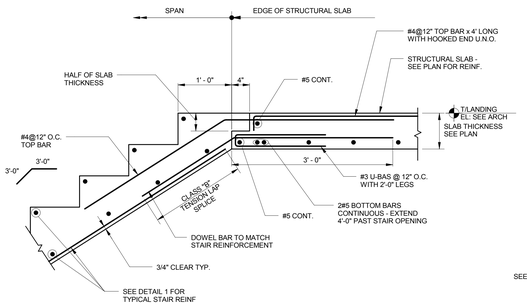


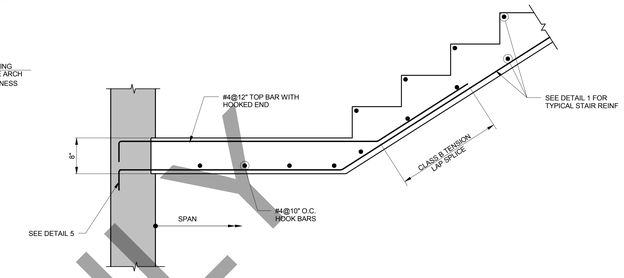
SLAB REINFORCEMENT SCHEDULE		
SPAN (FT)	T (IN)	REINFORCEMENT
≤ 12'	6	#5@12"
≤ 14'	6	#5@10"
≤ 16'	7	#5@10"
≤ 18'	8	#6@10"
≤ 20'	8	#6@6"

NOTE:
1. SEE ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS.

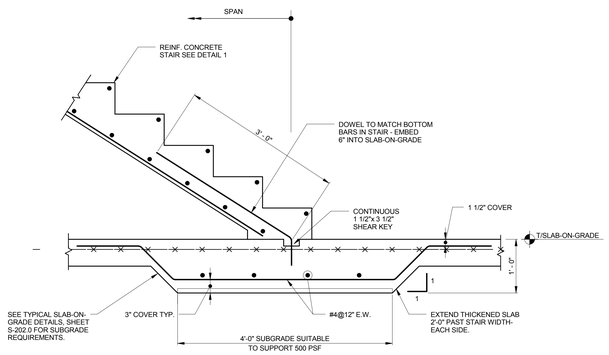
1 TYPICAL REINF. CONCRETE STAIR DETAIL
SCALE: N.T.S.



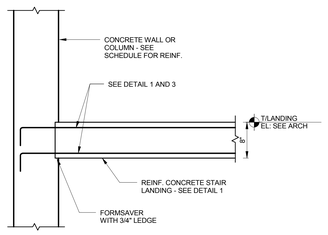
2 TYPICAL STAIR TO SLAB CONNECTION
SCALE: N.T.S.



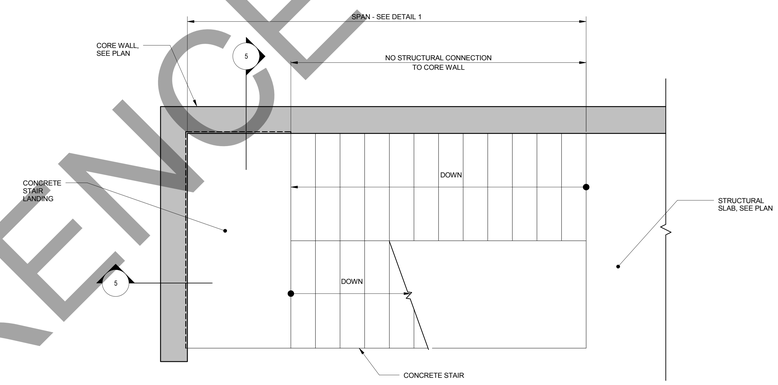
3 TYPICAL LANDING TO STAIR UP DETAIL
SCALE: N.T.S.



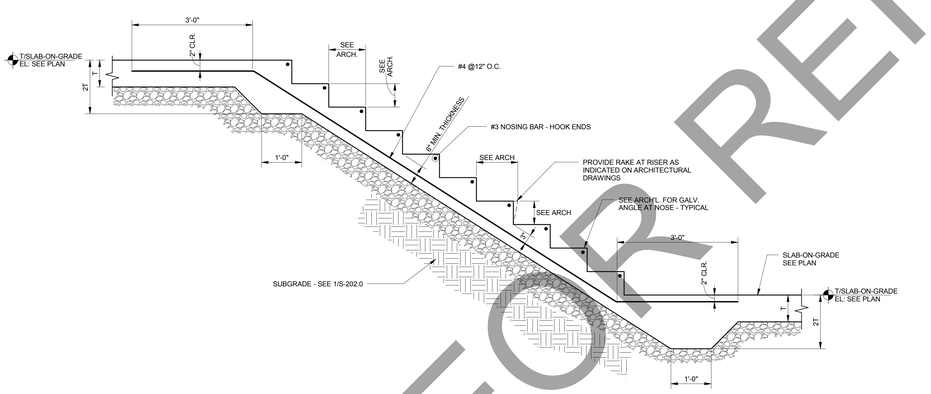
4 TYPICAL STAIR TO SLAB-ON-GRADE DETAIL
SCALE: N.T.S.



5 TYPICAL STAIR TO CONCRETE WALL DETAIL
SCALE: N.T.S.



A PARTIAL PLAN AT STAIR - TYPICAL LAYOUT
SCALE: 1/2" = 1'-0"



6 TYPICAL SLAB-ON-GRADE STAIR SECTION
SCALE: NOT TO SCALE

FOR REFERENCE ONLY

General Notes

No.	Description	Date
7	BID DOCUMENTS	09/07/2017
6	ADDENDUM 2	07/28/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
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CITY OF MADISON, 53703

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Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

CONCRETE STAIR DETAILS

Drawn	Date
RT	9/6/2017 12:19:42 PM
Checked By	Drawing Number
JI	S-312.0
Approved	
RH	
Job Number	
B1605877	

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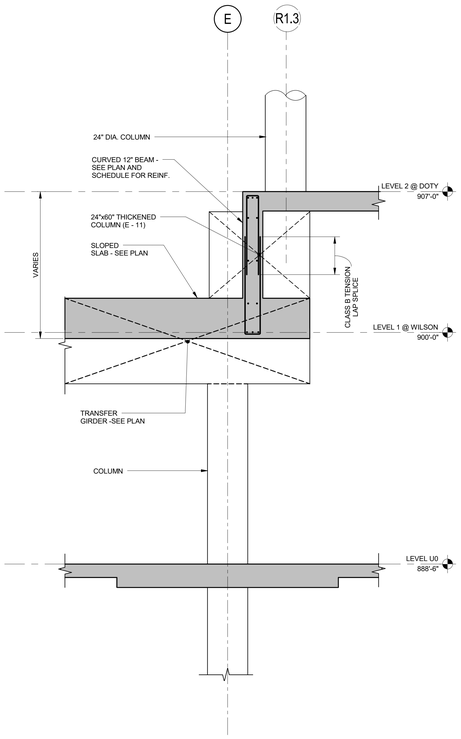
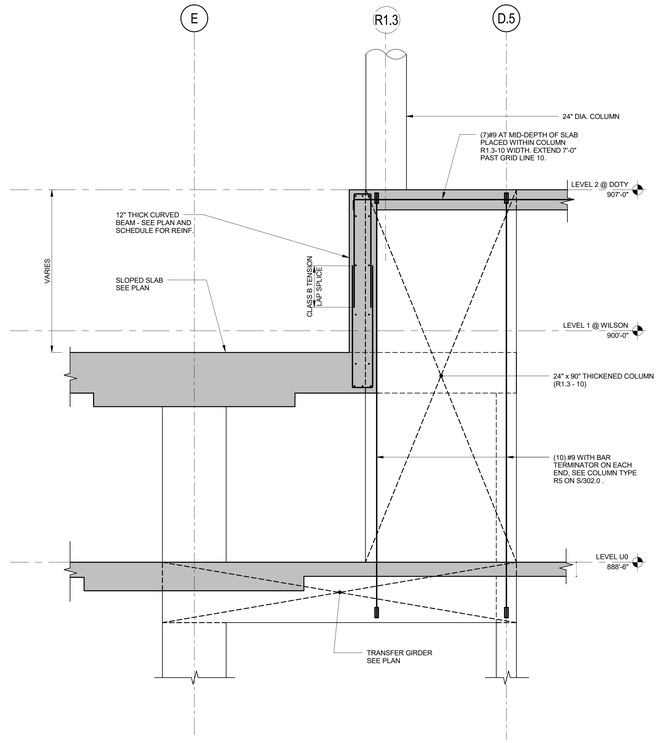
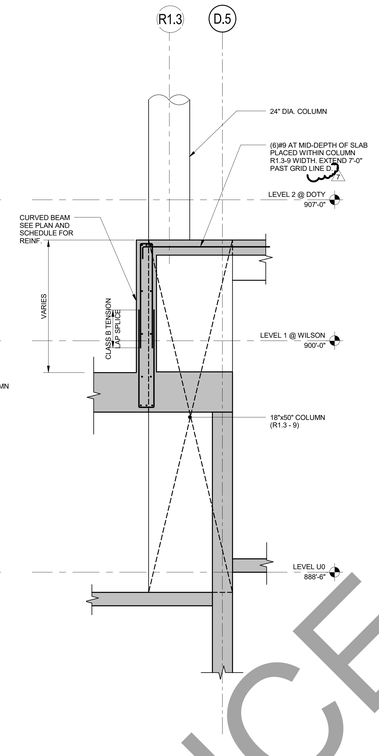


1 TRANSFER SECTION - GRID 11
SCALE: 3/8" = 1'-0"

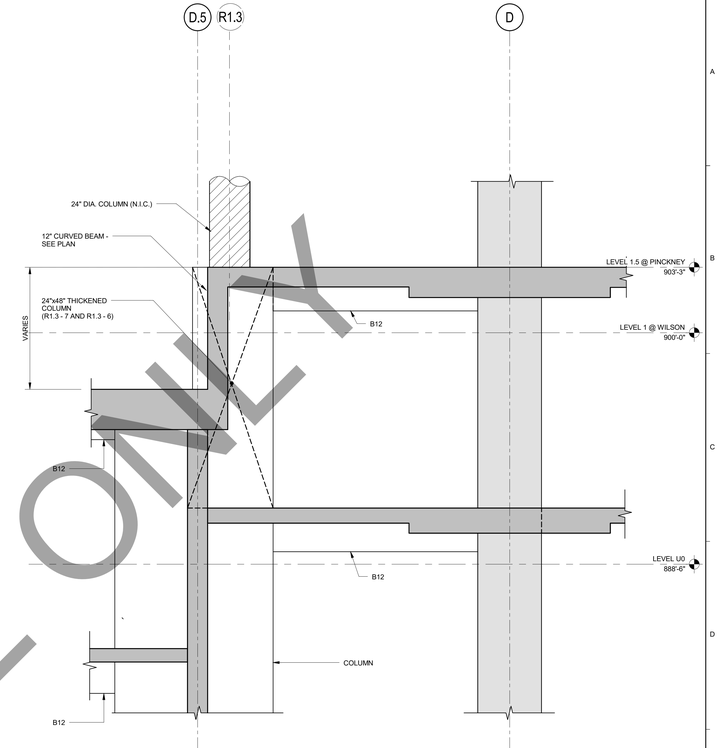
NOTES:
1. f'c = 8,000PSI IN TRANSFER GIRDER B46



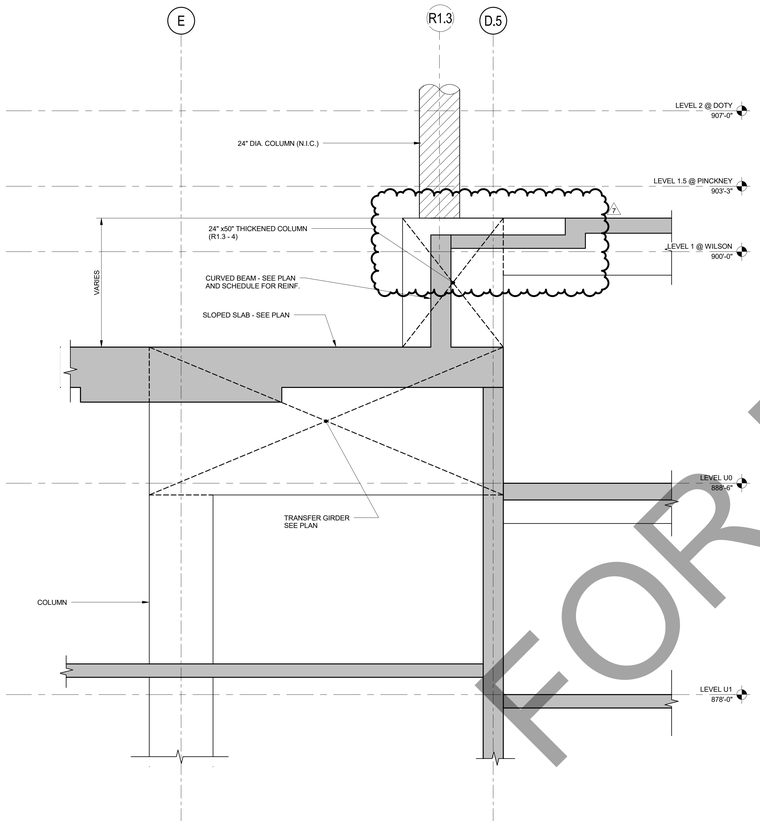
2 TRANSFER SECTION - GRID 10
SCALE: 3/8" = 1'-0"



3 TRANSFER SECTION - GRID 9
SCALE: 3/8" = 1'-0"

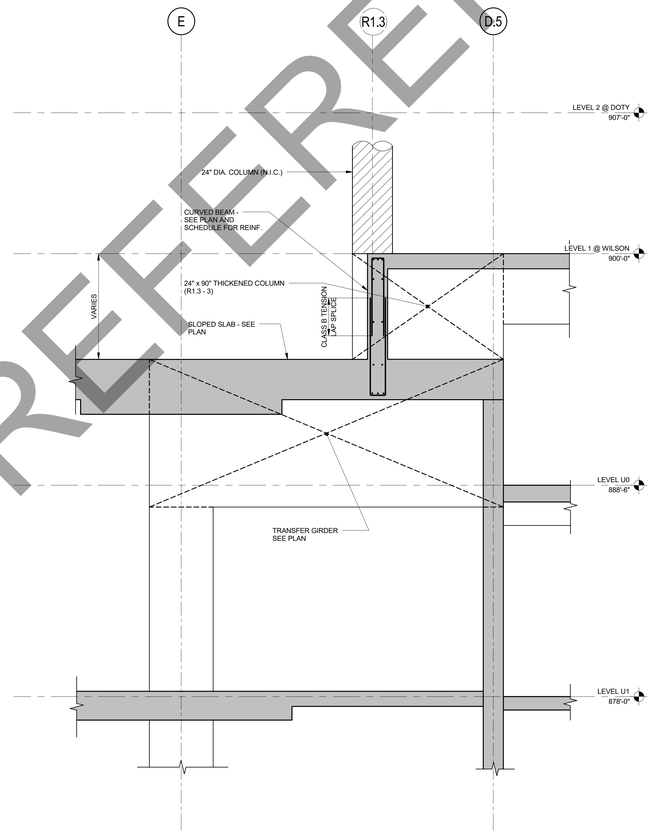


4 TRANSFER SECTION - GRID 7 & 6
SCALE: 3/8" = 1'-0"



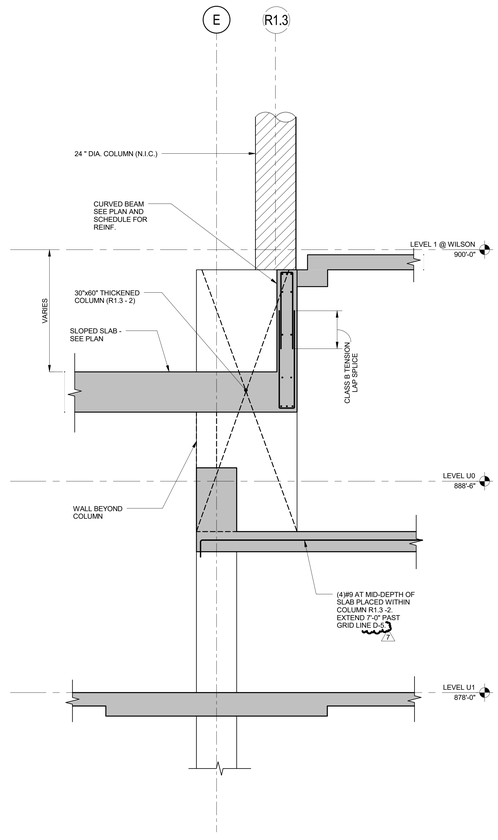
5 TRANSFER SECTION - GRID 4
SCALE: 3/8" = 1'-0"

NOTES:
1. f'c = 8,000PSI IN TRANSFER GIRDER B45



6 TRANSFER SECTION - GRID 3
SCALE: 3/8" = 1'-0"

NOTES:
1. f'c = 8,000PSI IN TRANSFER GIRDER B45



7 TRANSFER SECTION - GRID 2
SCALE: 3/8" = 1'-0"

FOR REFERENCE ONLY

General Notes

LEGEND

N.I.C. — CONSTRUCTION ITEMS FOR REFERENCE ONLY - NOT IN CONTRACT

No.	Description	Date
7	BULLETIN #5	05/14/2018
6	BID DOCUMENTS	09/07/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE

Drawing Title

TRANSFER SECTIONS AND DETAILS

Drawn	Date
RT	5/11/2018 2:48:03 PM
Checked By	Drawing Number
JS	
Approved	
RH	S-313.0
Job Number	
B1605877	

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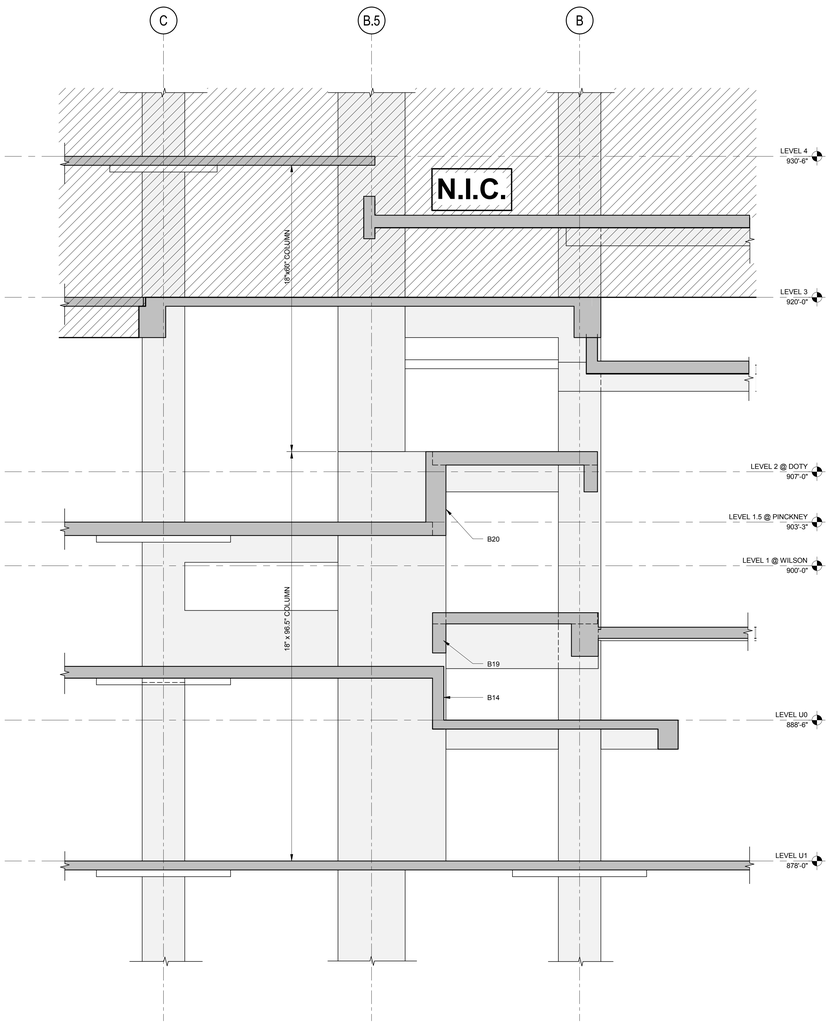

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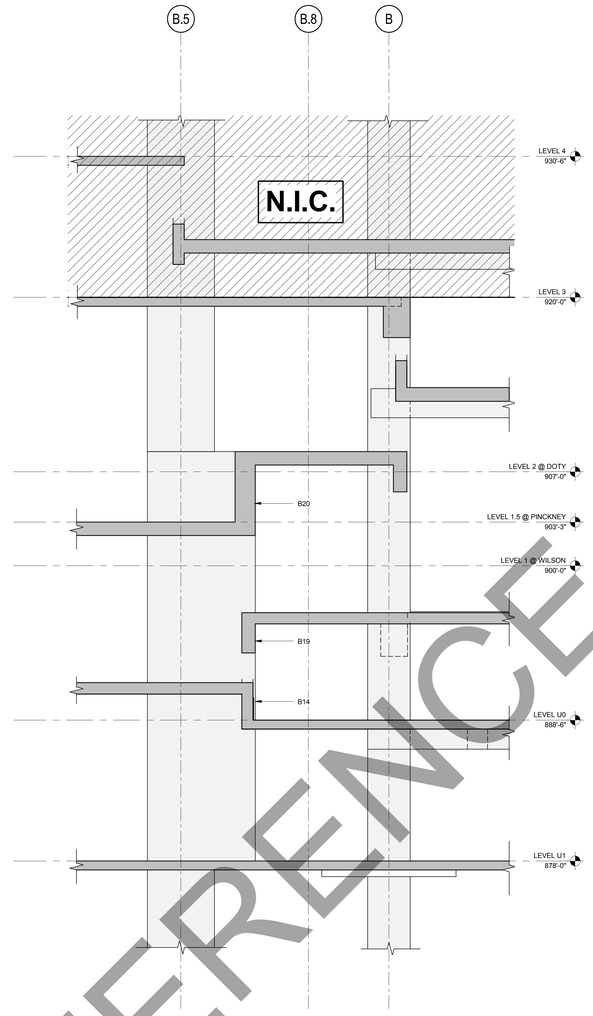
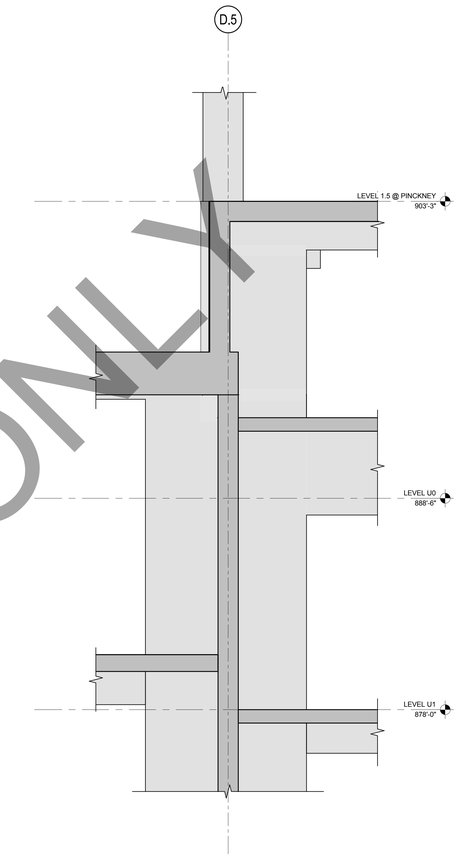
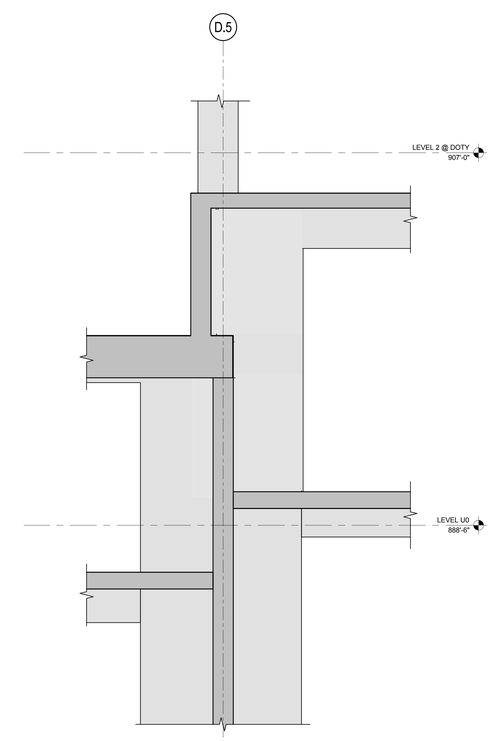


2 TRANSFER SECTION
SCALE: 1/4" = 1'-0"

GRAPHICS UPDATED
ON ALL SECTIONS



3 TRANSFER SECTION - GRID 5
SCALE: 3/8" = 1'-0"



4 TRANSFER SECTION - GRID 8
SCALE: 3/8" = 1'-0"

FOR REFERENCE ONLY

General Notes

LEGEND

N.I.C. — CONSTRUCTION ITEMS FOR REFERENCE ONLY - NOT IN CONTRACT

No.	Description	Date
7	BID DOCUMENTS	09/07/2017
6	ADDENDUM 2	07/28/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano
ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS
MADISON | CHICAGO | ST. LOUIS

PARKING CONSULTANT:
WALKER
PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS
A WSP | PARSONS BRINCKERHOFF COMPANY

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

TRANSFER SECTIONS AND DETAILS

Drawn	Date
RT	9/6/2017 12:19:55 PM
Checked By	Drawing Number
JS	
Approved	
RH	
Job Number	
B1605877	

S-314.0

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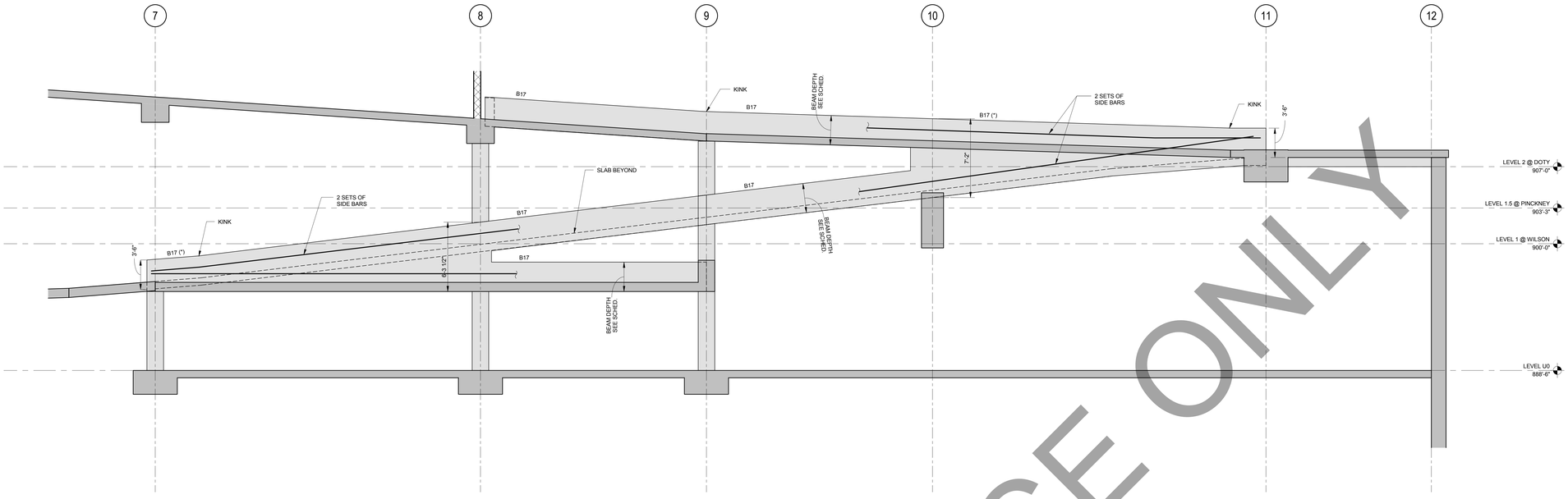
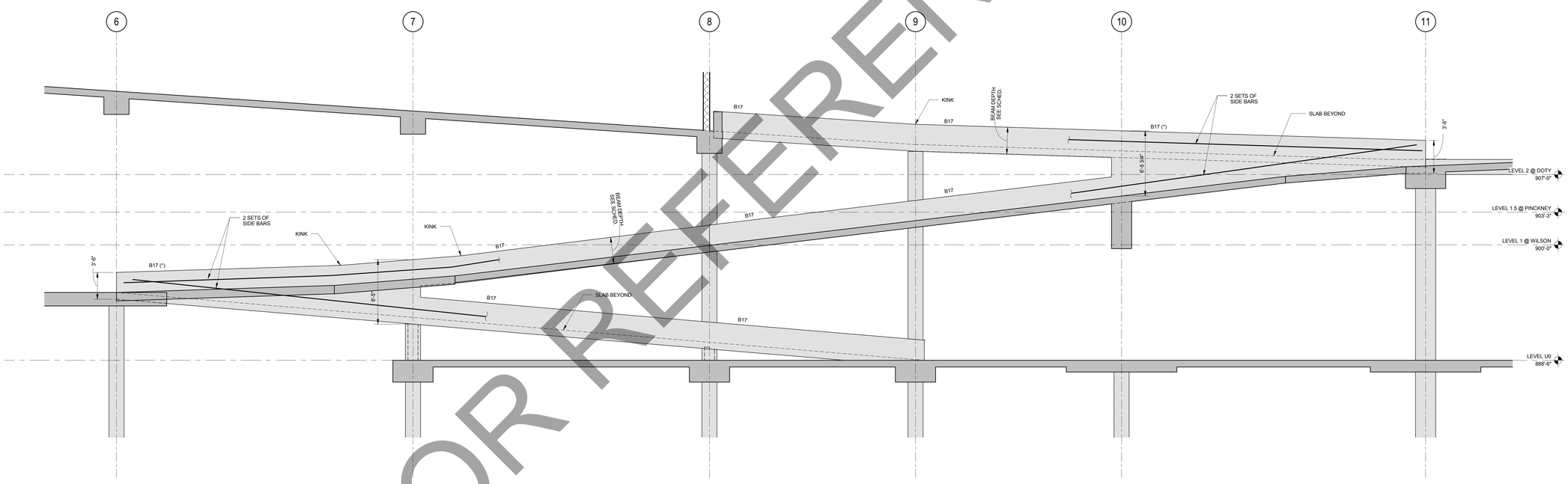


1 SECTION AT RAMP
SCALE: 1/4" = 1'-0"



2 SECTION AT RAMP
SCALE: 1/4" = 1'-0"

FOR REFERENCE ONLY

General Notes

No.	Description	Date
6	BID DOCUMENTS	09/07/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
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CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

RAMP SECTIONS AND DETAILS

Drawn	Date
RT	9/6/2017 12:19:59 PM
Checked By	Drawing Number
JS	
Approved	
RH	
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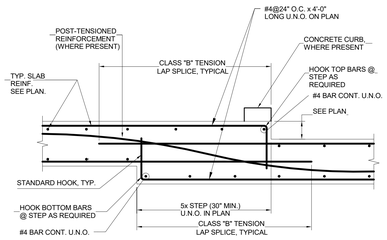
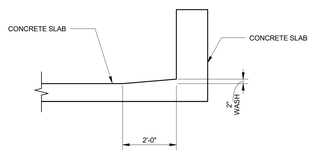


NOTE:
SEE REINFORCEMENT PLAN FOR SIZE AND LAYOUT OR SLAB REINFORCING.

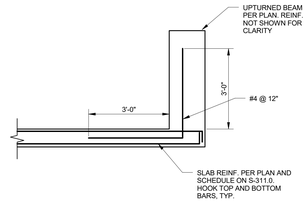
1 TYPICAL FLOOR SLAB STEP

SCALE: NOT TO SCALE



2 TYPICAL WASH DETAIL

SCALE: NOT TO SCALE



3 TYPICAL UPTURN PERIMETER BEAM DETAIL AT LEVEL 5

SCALE: NOT TO SCALE

FOR REFERENCE ONLY

General Notes

No.	Description	Date
1	FINAL BULLETIN #6	9/14/2018

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano
ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER
PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

CONCRETE DETAILS

Drawn	Date
Author	9/14/2018 3:23:44 PM
Checked By	Drawing Number
Checker	
Approved	
Approver	
Job Number	
B1605877	S-316.0

TRUE NORTH
PROJECT NORTH

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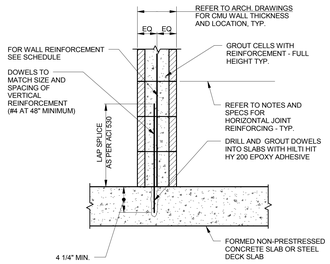
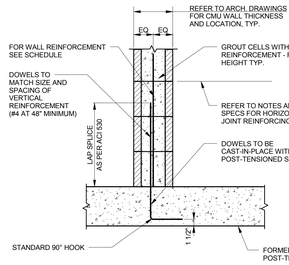


NON-PRESTRESSED SLAB

1A

NOTE:
FOR CMU WALL BASE DETAIL AT SLAB ON GRADE SEE X/S-X



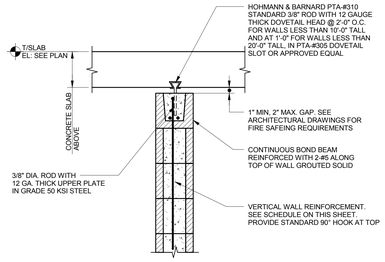
POST-TENSIONED SLAB

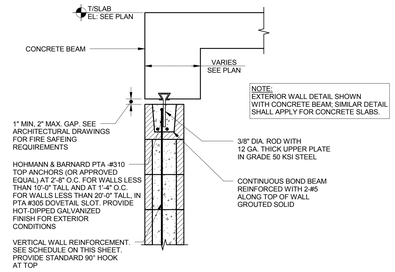
1B

NOTE:
DETAIL 1B MAY ALSO BE USED FOR NON-PRESTRESSED SLABS

1 TYPICAL CMU WALL BASE DETAIL

SCALE: NOT TO SCALE





2 TYPICAL TOP OF CMU WALL SUPPORT AT CONCRETE SLABS & BEAMS

SCALE: NOT TO SCALE

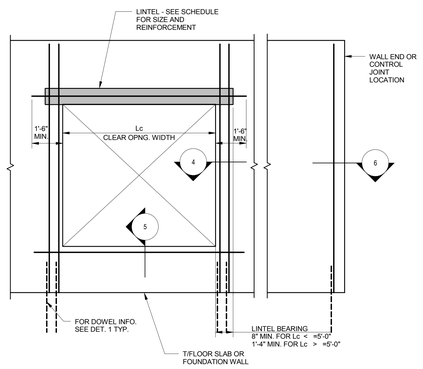
CONCRETE MASONRY WALL SCHEDULE

f'm = 2500 PSI
REBAR fy = 60 KSI

INTERIOR WALLS (10 PSF LATERAL PRESSURE)		
NOMINAL CMU WALL THICK.	REINF.	MAXIMUM ALLOWABLE UNBRACED HEIGHT
6"	#4 @ 16"	20' - 0"
8"	#4 @ 48"	16' - 0"
	#4 @ 32"	20' - 0"
EXTERIOR WALLS (EXCLUDING PARKING AREAS) (25 PSF LATERAL PRESSURE)		
NOMINAL CMU WALL THICK.	REINF.	MAXIMUM ALLOWABLE UNBRACED HEIGHT
8"	#4 @ 32"	12' - 0"
	#4 @ 24"	14' - 0"
	#4 @ 24"	18' - 0"
EXTERIOR WALLS AT PARKING (25 PSF LATERAL PRESSURE PLUS VEHICLE IMPACT)		
NOMINAL CMU WALL THICK.	REINF.	MAXIMUM ALLOWABLE UNBRACED HEIGHT
8"	#5 @ 24"	12' - 0"
	#6 @ 24"	16' - 6"
	#7 @ 24"	20' - 6"
12"	#6 @ 32"	22' - 0"
INTERIOR VEHICLE BARRIER WALL (NOTE 9)		
NOMINAL CMU WALL THICK.	REINF.	MAXIMUM ALLOWABLE UNBRACED HEIGHT
8"	#5 @ 16"	4' - 0"

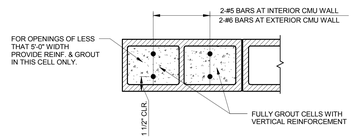
NOTES:

1. NOTIFY ARCHITECT/ENGINEER IF ANY WALLS EXCEED THE MAXIMUM HEIGHT CRITERIA GIVEN IN THE SCHEDULE (FOR REQUIRED REINFORCEMENT).
2. FOR ADDITIONAL INFORMATION, SEE MASONRY NOTES ON S-00X.
3. FOR LOCATION OF CONTROL & EXPANSION JOINTS IN MASONRY WALLS, SEE ARCH. DRAWINGS FOR REINFORCEMENT AT CONTROL JOINT LOCATION, SEE DETAIL 12.
4. PROVIDE DOWEL INTO FOUNDATION WALL OR BASE SLAB AS APPLICABLE. DOWELS SHALL MATCH VERT. WALL REINFORCEMENT U.N.O.
5. FOR REINFORCING STEEL AT WALL OPENINGS (DOORS, WINDOWS, LOUVERS, ETC.) SEE DETAIL 3.
6. PROVIDE REBAR POSITIONER AT 4'-0" O.C. IN GROUTED CELLS TO ASSURE PROPER PLACEMENT OF REBARS.
7. SHORE CMU WALLS UNTIL LATERAL SUPPORT IS PROVIDED AT FLOORS & ROOF LEVEL.
8. FOR WALLS EXCEEDING 16'-0" CLEAR HEIGHT PROVIDE CONT. BOND BEAM AT MID-HEIGHT OF WALL. SEE DETAIL 10.
9. CMU VEHICLE BARRIER WALL SHALL BE GROUTED SOLID WITH A MAXIMUM CANTILEVER HEIGHT AS INDICATED IN TABLE. PROVIDE BOND BEAM PER DETAIL 5 AT TOP OF BARRIER.



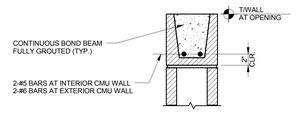
3 CMU WALL ELEVATION

SCALE: NOT TO SCALE



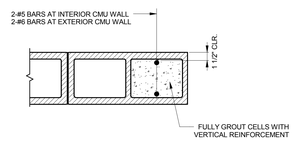
4 SECTION AT JAMB OF CMU WALL OPENINGS

SCALE: NOT TO SCALE



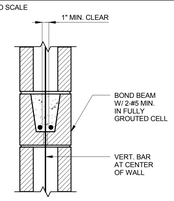
5 SECTION AT SILL OF CMU WALL OPENINGS

SCALE: NOT TO SCALE



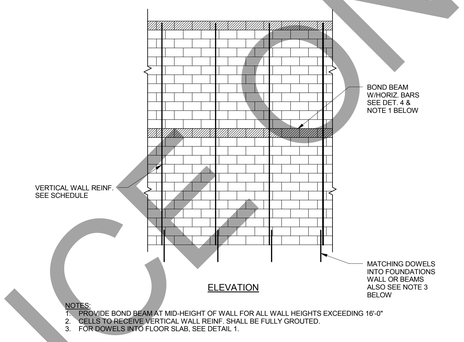
6 SECTION AT MASONRY WALL ENDS

SCALE: NOT TO SCALE



7 SECTION AT BOND BEAM

SCALE: NOT TO SCALE

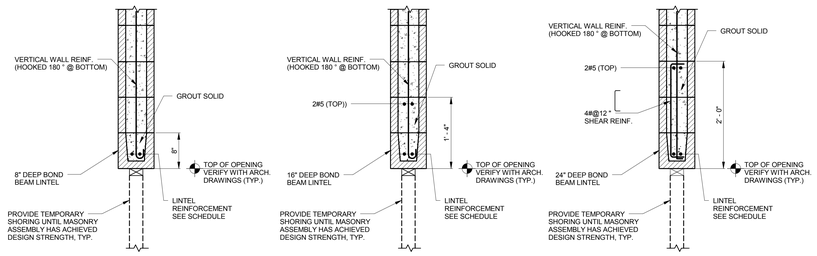


ELEVATION

NOTES:
1. PROVIDE BOND BEAM AT MID-HEIGHT OF WALL FOR ALL WALL HEIGHTS EXCEEDING 16'-0"
2. CELLS TO RECEIVE VERTICAL WALL REINF. SHALL BE FULLY GROUTED.
3. FOR DOWELS INTO FLOOR SLAB, SEE DETAIL 1.

8 TYPICAL CMU WALL WITH BOND BEAM

SCALE: NOT TO SCALE



NOTE:
1. EXTEND BOND BEAM REINF. 1'-6" BEYOND FACE OF OPENING AT EACH END OR TO END OF JAMB AS APPLICABLE

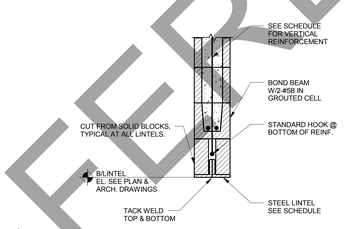
A WALL OPENINGS LESS THAN 5'-0"

B WALL OPENINGS FROM 5'-0" TO LESS THAN 7'-0"

C WALL OPENINGS FROM 7'-0" TO 10'-0"

9 TYPICAL LINTEL DETAIL AT CMU WALL OPENINGS

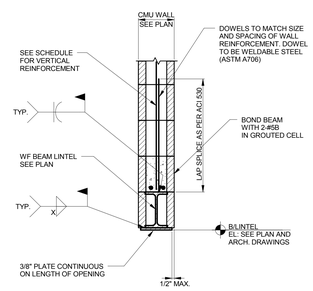
SCALE: NOT TO SCALE



NOTES:
1. DO NOT USE STEEL LINTELS IN FIRE RATED CONSTRUCTION.
2. USE OF STEEL LINTELS SHALL BE APPROVED BY THE ARCHITECT.

10 ALTERNATE STEEL ANGLE LINTEL DETAIL AT CMU WALL OPENING

SCALE: NOT TO SCALE



NOTES:
1. WELDING OF BAR MUST CONFORM TO ACI 318 SECTION 3.5.2
2. DO NOT USE STEEL LINTELS IN FIRE RATED CONSTRUCTION.
3. USE OF STEEL LINTEL SHALL BE APPROVED BY THE ARCHITECT.

11 WIDE FLANGE BEAM LINTEL DETAIL AT CMU WALL OPENING

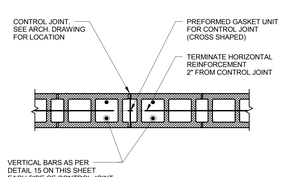
SCALE: NOT TO SCALE

LINTEL SCHEDULE FOR NON-LOAD BEARING WALLS

WALL TYPE	SPAN	CMU LINTEL	REMARKS	ALTERNATE STEEL LINTEL
8" CMU	LESS THAN 5'-0"	8" BOND BEAM WITH 2#4	SEE DET. 9A	2-L3 1/2 x 3 1/2 x 3/8
8" CMU	5'-0" TO 7'-0"	16" BOND BEAM WITH 2#5	SEE DET. 9B	2-L5 x 3 1/2 x 3/8 LLV
8" CMU	7'-0" TO 10'-0"	24" BOND BEAM WITH 2#6	SEE DET. 9C	2-L6 x 3 1/2 x 3/8 LLV

NOTES:

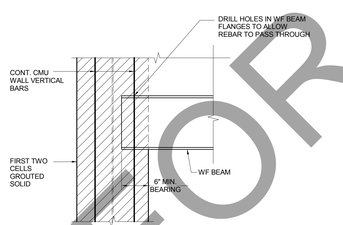
1. FOR SPANS GREATER THAN 10'-0", SEE SPECIFIC DETAILS ON DRAWINGS.
2. ALL STEEL LINTELS EXPOSED TO WEATHER SHALL BE HOT-DIPPED GALVANIZED.
3. LINTEL SCHEDULE GIVEN ABOVE APPLIES TO NON-LOAD BEARING WALLS ONLY.



NOTES:
1. CONTROL JOINT SHALL BE CONSTRUCTED AS CONTINUOUS VERTICAL HEAD JOINTS USING FULL AND HALF MASONRY UNITS.
2. MORTAR SHALL BE RAKED BACK AT LEAST 1" IN DEPTH AND CAULKED PER ARCHITECTURAL DRAWINGS.

12 TYPICAL CMU WALL CONTROL JOINT

SCALE: NOT TO SCALE



13 WIDE FLANGE BEAM LINTEL BEARING ON CMU WALL

SCALE: NOT TO SCALE

FOR REFERENCE ONLY

General Notes

No.	Description	Date
5	BID DOCUMENTS	09/07/2017
4	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
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1	ISSUED FOR 100% CD'S/OWNER REVIEW	06/01/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

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lothan van hook destefano ARCHITECTURE LLC

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INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

MASONRY WALL SCHEDULES AND DETAILS

Drawn	Date
RT	9/6/2017 12:20:07 PM
Checked By	Drawing Number
JS	S-401.0
Approved	
RH	
Job Number	
B1605877	

TRUE NORTH
PROJECT NORTH

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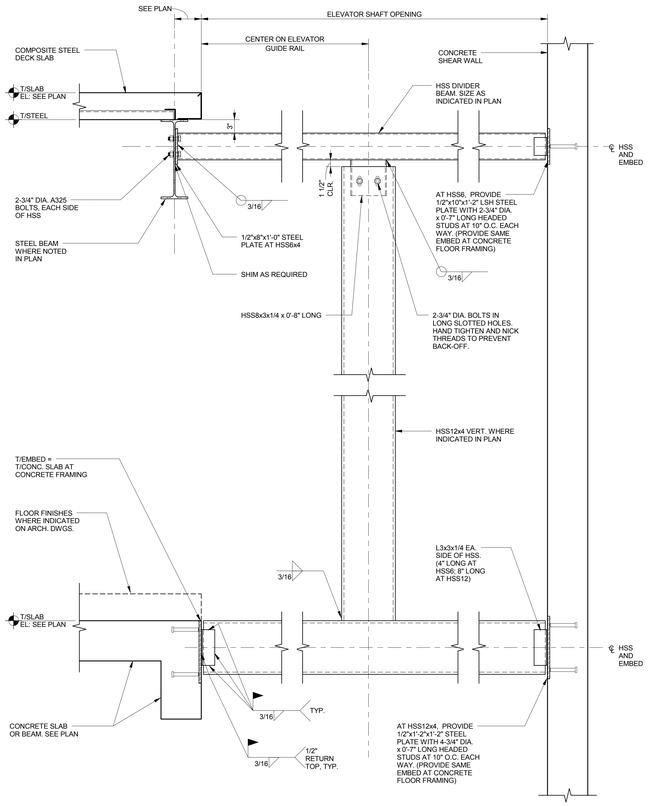
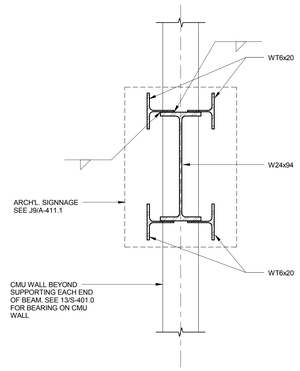
9/6/2017 12:20:07 PM



1 TYPICAL SECTION AT ELEVATOR DIVIDER BEAMS

SCALE: NOT TO SCALE



2 SECTION AT WILSON ST. GARAGE ENTRANCE

SCALE: NOT TO SCALE

FOR REFERENCE ONLY

General Notes

No.	Description	Date
4	BID DOCUMENTS	09/07/2017
3	ADDENDUM 2	07/28/2017
2	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
1	ISSUED FOR FINAL BID	06/23/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

STRUCTURAL STEEL SECTIONS AND DETAILS

Drawn	Date
RT	9/6/2017 12:20:11 PM
Checked By	Drawing Number
JS	
Approved	
RH	S-501.0
Job Number	
B1605877	

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MECHANICAL SYMBOLS AND ABBREVIATIONS

SYMBOLS INDICATED HERE AND NOT USED IN THE CONTRACT DOCUMENTS DO NOT APPLY TO THIS PROJECT. ADDITIONAL SYMBOLS MAY BE INDICATED IN THE CONTRACT DOCUMENTS.

FIELD MOUNTED CONTROLS

- THERMOSTAT OR TEMPERATURE SENSOR
- NIGHT CYCLE CONTROL THERMOSTAT
- ASPIRATING THERMOSTAT
- THERMOSTAT WITH INSULATING BASE
- PRESSURE TRANSMITTER
- PRESSURE DIFFERENTIAL TRANSMITTER
- DUCT SMOKE DETECTOR
- PRESSURE SENSOR
- CARBON MONOXIDE SENSOR
- REFRIGERANT SENSOR

COMMON INSTRUMENTATION DEVICES

- TEMPERATURE INDICATOR (THERMOMETER) WITH THERMOWELL
- TEMPERATURE INDICATOR (THERMOMETER) WITHOUT WELL (DIRECT INSERTION)
- THERMOWELL
- TEMPERATURE ELEMENT (DIRECT INSERTION)
- STRAP ON PIPE TEMPERATURE INSTRUMENT (AQUASTAT)
- TEMPERATURE ELEMENT WITH WITH TRANSMITTER AND THERMOWELL
- PRESSURE INDICATOR (PRESSURE GAUGE) WITH GAUGE VALVE
- GAUGE CONNECTION WITH GAUGE VALVE
- PRESSURE DIFFERENTIAL TRANSMITTER
- FLOW ELEMENT (FLOW SENSOR)
- FLOW ELEMENT WITH TRANSMITTER (FLOW METER)
- FLOW INDICATOR/FLOW METER
- FLOW SWITCH

DUCTWORK SPECIALTIES

- DUCT REHEAT COIL
- ACCESS DOOR
- BUTTERFLY TYPE VALVE WITH CONTROLLER LOCATED ON SIDE OF VALVE
- BUTTERFLY TYPE VALVE WITH CONTROLLER ANGLED DOWN SEE DETAIL
- VENTURI VALVE WITH CONTROLLER LOCATED ON SIDE OF VALVE
- VENTURI VALVE WITH CONTROLLER ANGLED DOWN SEE DETAIL
- FLEXIBLE DUCT
- DUCT FLEXIBLE CONNECTION
- POINT OF CHANGE IN DUCT CONSTRUCTION BY PRESSURE CLASS
- VAV SUPPLY AIR VALVE
- AIR FLOW MEASURING STATION

MISCELLANEOUS

- POINT OF NEW CONNECTION TO EXISTING
- VIBRATION ISOLATOR

SPECIAL DESIGNATION

- EQUIPMENT (PUMP INDICATED)
- SPECIALTY ITEMS (I.E. GAUGE FILTER, ETC.)
- PLAN CONTINUATION REFERENCE
- SECTION DESIGNATION (TOP DESIGNATES SECTION NUMBER, BOTTOM DESIGNATES ON WHICH SHEET SECTION APPEARS)
- MATCHLINE DESIGNATION
- DETAIL REFERENCE (TOP=DETAIL NO., BOTTOM=DRAWING NO. SHOWN ON)
- DETAIL REFERENCE (TOP= DETAIL NO., BOTTOM=SHEET NO. IN DETAIL MANUAL)
- REVISION REFERENCE
- GENERAL OR SPECIAL NOTES REFERENCE
- ROOM NUMBER DESIGNATION
- CONSTRUCTION BULLETIN REVISION NUMBER

DUCTWORK AT DIFFUSERS AND GRILLES

SINGLE LINE-HARD OR FLEXIBLE CONNECTION | DOUBLE LINE-HARD OR FLEXIBLE CONNECTION

- SUPPLY DIFFUSER OR GRILLE (HORIZONTAL MOUNT)
- ROUND DIFFUSER
- RETURN REGISTER OR GRILLE (HORIZONTAL MOUNT)
- EXHAUST REGISTER OR GRILLE (HORIZONTAL MOUNT)
- EXHAUST OR RETURN REGISTER OR GRILLE (VERTICAL MOUNT)
- SUPPLY REGISTER OR GRILLE (VERTICAL MOUNT)

DIFFUSER NOTATION

DUCT SIZE IN INCHES (NET INSIDE DIMENSIONS) (ROUND SHOWN)
ø INDICATES ROUND.
-ø- or #/# INDICATES OVAL.
FIRST FIGURE: SIDE SHOWN
SECOND FIGURE: SIDE NOT SHOWN

SUPPLY AIR DUCT

DIFFUSER AIR PATTERN
1 ARROW: 1 WAY
2 ARROWS: 2 WAY
3 ARROWS: 3 WAY
4 ARROWS: 4 WAY
NO ARROWS: 4 WAY

10ø CD-1 / 450 — NECK SIZE IN INCHES; CEILING DIFFUSER (CD) IDENTIFICATION; AIR QUANTITY (CFM)

510w SA

GRILLE, REGISTER NOTATION

EXHAUST AIR DUCT
RETURN AIR DUCT (RA)

DUCT SIZE IN INCHES (NET INSIDE DIMENSIONS)
FIRST FIGURE: SIDE SHOWN
SECOND FIGURE: SIDE NOT SHOWN

12x6 EA — 12x6 G-1 / 250

NECK SIZE IN INCHES
RETURN OR EXHAUST GRILLE (G) SUPPLY GRILLE (SG) LINEAR DIFFUSER (LD) LINEAR RET/EXH GRILLE (LG) TRANSFER GRILLE (TG)
AIR QUANTITY (CFM)

PIPING SYSTEM LABELS

—CPD—	CONDENSATE PUMP DISCHARGE
—D—	DRAIN
—DCW—	DOMESTIC COLD WATER
—FS—	FUEL SUPPLY
—FR—	FUEL RETURN
—FOF—	FUEL OIL FILL
—FOG—	FUEL OIL GAUGE
—FOR—	FUEL OIL RETURN
—FOS—	FUEL OIL SUPPLY
—FOV—	FUEL OIL VENT
—NG—	NATURAL GAS
—NPCW—	NON-POTABLE COLD WATER
—RL—	REFRIGERANT LIQUID
—RS—	REFRIGERANT SUCTION
—RHG—	REFRIGERANT HOT GAS
—V—	VENT

(XX) = SYSTEM PRESSURE IN PSIG

EQUIPMENT

ACC	-	AIR COOLED CONDENSER
AT	-	AIR TERMINAL DEVICE
CP	-	CONTROL PANEL
D	-	DAMPER
EF	-	EXHAUST FAN
EJ	-	EXPANSION JOINT
EV	-	EXHAUST VALVE
F	-	FILTER
FCU	-	FAN COIL UNIT
FD	-	FLOOR DRAIN
FOP	-	FUEL OIL PUMP
FOT	-	FUEL OIL TANK
FH	-	FURNACE
GRH	-	GAS FIRED RADIANT HEATER
HR	-	HOSE REEL
IF	-	IMPULSE FAN
MCC	-	MOTOR CONTROL CENTER
P	-	PUMP
RH	-	RELIEF HOOD
SF	-	SUPPLY FAN
TXV	-	THERMAL EXPANSION VALVE
UH	-	UNIT HEATER
V	-	VALVE
VFD	-	VARIABLE FREQUENCY DRIVE

PIPING

SINGLE | DOUBLE

- ELBOW DOWN
- ELBOW UP
- BOTTOM CONNECTION (45° OR 90°)
- TOP CONNECTION (45° OR 90°)
- 45° PIPE RISE(R) /DROP(D)
- N/A — TEE (REFER TO SPECIFICATION FOR SIDE, TOP OR BOTTOM TEE)
- EXISTING PIPING TO REMAIN
- EXISTING PIPING TO BE REMOVED
- LINE CONTINUATION BREAK
- OR — ECCENTRIC REDUCER
- CONCENTRIC REDUCER

PIPING SPECIALTIES

- GENERAL PIPELINE STRAINER WITHOUT DRAIN
- GENERAL PIPELINE STRAINER WITH DRAIN
- FLANGE
- UNION
- 2" AND SMALLER, CAP OR PLUG; 2-1/2" AND LARGER, BLIND FLANGE
- INVERTED BUCKET TRAP
- FLOAT AND THERMOSTATIC TRAP
- THERMOSTATIC TRAP
- EXPANSION JOINT
- PIPE FLEXIBLE CONNECTION
- BALL JOINT
- FILTER/REGULATOR
- THERMOMETER
- PRESSURE GAUGE (WITH GAUGE VALVE)
- FLOW SENSOR
- FLOW SWITCH
- AV — OR — AUTOMATIC AIR VENT
- MANUAL AIR VENT
- THERMOSTATIC AIR VENT
- TEST PLUG (PRESSURE/TEMP.)
- ECCENTRIC REDUCER
- DIRECTION OF PITCH (DOWN)
- DIRECTION OF FLOW
- PIPE GUIDE
- PIPE SLEEVE
- ANCHOR

DUCTWORK

SINGLE | DOUBLE

- RECTANGULAR/ROUND BRANCH TAKE-OFF OR ROUND/ROUND BRANCH TAKE-OFF
- R=1.5W — RADIUS ELBOW
- 45° LATERAL BRANCH
- R=1.5W, W — RADIUS TEE
- SQUARE TEE (FOR LOW PRESSURE SA DIVERGING ONLY)
- BULLHEAD TEE (FOR LOW PRESSURE SA DUCTWORK ONLY)
- 15° MAX. FOR DIVERGING, 25° MAX FOR CONVERGING TRANSITION - ECCENTRIC
- 15° MAX. FOR DIVERGING, 25° MAX FOR CONVERGING TRANSITION - CONCENTRIC
- EXISTING DUCT TO REMAIN
- EXISTING DUCT TO BE REMOVED
- LINE CONTINUATION BREAK (RECTANGULAR, ROUND)
- SUPPLY AIR (SA) OR OUTDOOR AIR (OA) DUCT (SOLID LINES TYPICAL FOR SUPPLY AIR AND OUTDOOR AIR UP, HIDDEN LINE DOWN)
- RETURN AIR (RA), RELIEF AIR, OR TRANSFER AIR (TA) DUCT (SOLID LINES TYPICAL FOR RETURN, RELIEF, OR TRANSFER AIR UP, HIDDEN LINE DOWN)
- EXHAUST AIR (EA) DUCT (SOLID LINES TYPICAL FOR EXHAUST AIR UP, HIDDEN LINE DOWN)
- DUCT RISE/DROP W/90° ELBOWS (SUPPLY RECTANGULAR DUCT SHOWN)
- D — DUCT RISE (R)/DROP(D) W/45° ELBOWS (RECTANGULAR DUCTS)
- DUCT RISE/DROP W/90° ELBOWS (ROUND DUCTS)
- DUCT RISE/DROP W/90° ELBOWS (OVAL DUCTS)
- D — DUCT RISE(R)/DROP(D) W/45° ELBOWS (ROUND OR OVAL DUCTS)

DAMPERS

- MANUAL BALANCING DAMPER
- CONTROL DAMPER
- BD — BACKDRAFT DAMPER
- FA — 3 HOUR RATED FIRE DAMPER
- S — SMOKE DAMPER
- FS — COMBINATION FIRE/SMOKE DAMPER
- OPPOSED BLADE DAMPER
- PARALLEL BLADE DAMPER
- GENERAL

(XX) = DEFINES FAIL POSITION OR NORMAL POSITION
(FC) = FAIL CLOSED (CONTROL VALVE OR DAMPER)
(FO) = FAIL OPEN (CONTROL VALVE OR DAMPER)
(NC) = NORMALLY CLOSED (CONTROL VALVE OR DAMPER)
(NO) = NORMALLY OPEN (CONTROL VALVE OR DAMPER)

ACTUATORS

- MANUAL
- GENERAL
- MODULATING
- MODULATING WITH PILOT POSITIONER
- S — SOLENOID
- M — ELECTRIC MOTOR DRIVEN
- TWO POSITION SPRING RETURN
- DOUBLE ACTING TWO POSITION
- FUSIBLE LINK

GENERAL

ADJ	-	ADJUSTABLE
AFF	-	ABOVE FINISHED FLOOR
AL	-	ALUMINUM
ALT	-	ALTERNATE
AP	-	ACCESS PANEL
BOD	-	BOTTOM OF DUCT
BOP	-	BOTTOM OF PIPE
BTU	-	BRITISH THERMAL UNIT
BTUH	-	BRITISH THERMAL UNITS PER HOUR
CA	-	COMBUSTION AIR
CAV	-	CONSTANT AIR VOLUME
CFCI	-	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
CFM	-	CUBIC FEET PER MINUTE
CL	-	CENTERLINE
CLG	-	CEILING
CONO	-	CONDENSATE/CONDENSER
COP	-	CENTER OF PIPE
CS	-	CARBON STEEL
CU	-	COPPER
DB	-	DRY BULB
DDC	-	DIRECT DIGITAL CONTROL
DX	-	DIRECT EXPANSION
EA	-	EXHAUST AIR
EAT	-	ENTERING AIR TEMPERATURE
EC	-	ELECTRICAL CONTRACTOR
EDR	-	EQUIVALENT DIRECT RADIATION
EL	-	ELEVATION
ESP	-	EXTERNAL STATIC PRESSURE
ETR	-	EXISTING TO REMAIN
EWT	-	ENTERING WATER TEMPERATURE
EXH	-	EXHAUST
FA	-	FRESH AIR INTAKE/ FIELD ADJUSTABLE
FAT	-	FINAL AIR TEMPERATURE
FC	-	FAIL CLOSED
FE	-	FUME HOOD EXHAUST
FLA	-	FULL LOAD AMPS
FLR	-	FLOOR
FO	-	FAIL OPEN
FPI	-	FINS PER INCH
FPM	-	FEET PER MINUTE
FPS	-	FEET PER SECOND
GA	-	GAUGE
GC	-	GENERAL CONTRACTOR
GE	-	GENERAL EXHAUST
GPM	-	GALLONS PER MINUTE
GS	-	GALVANIZED STEEL
HP	-	HORSE POWER/HIGH POINT
IA	-	INSTRUMENT AIR
IE	-	INVERT ELEVATION
KO	-	KNOCK-OUT
LAT	-	LEAVING AIR TEMPERATURE
LWT	-	LEAVING WATER TEMPERATURE
MBH	-	THOUSANDS OF BTU PER HOUR
MC	-	MECHANICAL CONTRACTOR
MEP	-	MECHANICAL, ELECTRICAL AND PIPING
MER	-	MECHANICAL EQUIPMENT ROOM
NA	-	NOT APPLICABLE
NC	-	NORMALLY CLOSED
NIC	-	NOT IN CONTRACT
NO	-	NORMALLY OPEN
NPS	-	NOMINAL PIPE SIZE
NPT	-	NATIONAL PIPE THREAD
NTS	-	NOT TO SCALE
OA	-	OUTSIDE AIR
OC	-	ON CENTER
OED	-	OPEN END DUCT
OFCI	-	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	-	OWNER FURNISHED, OWNER INSTALLED
OV	-	OUTLET VELOCITY
PA	-	PLANT AIR
PC	-	PLUMBING CONTRACTOR
PCF	-	POUNDS PER CUBIC FOOT
PD	-	PRESSURE DROP
PH	-	PHASE
PP	-	POLYPROPYLENE
PSF	-	POUNDS PER SQUARE FOOT
PSI	-	POUNDS PER SQUARE INCH
PSIA	-	POUNDS PER SQUARE INCH ABSOLUTE
PSIG	-	POUNDS PER SQUARE INCH GAUGE
RA	-	RETURN AIR
RPM	-	REVOLUTIONS PER MINUTE
SA	-	SUPPLY AIR
SCH	-	SCHEDULE
SOG	-	SLAB ON GRADE
SP	-	STATIC PRESSURE
SS	-	STAINLESS STEEL
TA	-	TRANSFER AIR
TBR	-	TO BE REMOVED
TOB	-	TOP OF BEAM
TOD	-	TOP OF DUCT/TOP OF DECK
TOJ	-	TOP OF JOIST
TOP	-	TOP OF PIPE
TOS	-	TOP OF SLAB
TSP	-	TOTAL STATIC PRESSURE
V	-	VOLTS
VAV	-	VARIABLE AIR VOLUME
VP	-	VELOCITY PRESSURE
VTR	-	VENT THRU ROOF
WB	-	WET BULB
WC	-	WATER COLUMN
WG	-	WATER GAUGE
X	-	EXISTING

VALVES

- BUTTERFLY VALVE
- GATE VALVE
- GLOBE VALVE
- BALL VALVE
- SHUTOFF VALVE (BUTTERFLY VALVE FOR 2 1/2" AND LARGER, BALL VALVE FOR 2" AND SMALLER)
- GAUGE VALVE
- PLUG VALVE
- BALANCING VALVE
- THERMAL EXPANSION VALVE
- SPRING CHECK VALVE
- SWING CHECK VALVE
- DIAPHRAGM VALVE
- SV — 2-WAY SOLENOID CONTROL VALVE (VALVE BODY AS SPECIFIED)
- XX — 2-WAY MOTOR CONTROL VALVE (VALVE BODY AS SPECIFIED)
- XX — 2-WAY CONTROL VALVE (VALVE BODY AS SPECIFIED)
- XX — 3-WAY MIXING VALVE WITH ARROW INDICATING FAIL POSITION
- XX — 3-WAY DIVERTING VALVE WITH ARROW INDICATING FAIL POSITION
- TRIPLE DUTY VALVE
- GAS SHUTOFF VALVE
- ANGLE VALVE
- DRAIN VALVE
- DRAIN VALVE WITH CAP
- LOCKSHIELD VALVE
- PRESSURE REDUCING VALVE-PRV (DOWNSTREAM SETPOINT)
- AIR-LOADED PRESSURE REDUCING VALVE-PRV (DOWNSTREAM SETPOINT)
- PRESSURE REDUCING VALVE-PRV (UPSTREAM SETPOINT)
- GAS REGULATOR
- OR — BPP — REDUCED PRESSURE BACKFLOW PREVENTER (RPBP)
- PRESSURE RELIEF VALVE (RV) OR SAFETY VALVE (SV)
- VACUUM RELIEF/VACUUM BREAKER
- RUPTURE DISK PRESSURE RELIEF
- RUPTURE DISK VACUUM RELIEF
- FLOAT OPERATED VALVE
- QUICK OPENING VALVE

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(FO) = FAIL OPEN (CONTROL VALVE OR DAMPER)
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INSTRUMENTATION SYMBOLS

	CONTROLLERS						READOUT DEVICES		SWITCHES and ALARM DEVICES			TRANSMITTERS			SOLENOIDS, RELAYS, & COMPUTING DEVICES	PRIMARY ELEMENT	TEST POINT	WELL or PROBE	VIEWING DEVICE GLASS	SAFETY DEVICE	FINAL CONTROL ELEMENT
FIRST LETTERS	INITIATING OR MEASURED VARIABLE	RECORDING	INDICATING	BLIND	SELF-ACTUATED CONTROL VALVES	SELF-ACTUATED CONTROL DAMPERS	RECORDING	INDICATING	HIGH	LOW	COMB.	RECORDING	INDICATING	BLIND							
A	ANALYSIS	ARC	AIC	AC	ACV	ACD	AR	AI	ASH	ASL	ASHL	ART	AIT	AT	AY	AE	AP	AW	AG		AV
B	BURNER/COMBUSTION	BRC	BIC	BC	BCV	BCD	BR	BI	BSH	BSL	BSHL	BRT	BIT	BT	BY	BE	BP	BW	BG		BZ
C	CONDUCTIVITY	CRC	CIC	CC	CCV	CCD	CR	CI	CSH	CSL	CSHL	CRT	CIT	CT	CY	CE	CP	CW	CG		CV
CR	CONTROL RELAY														CR						
D	DENSITY/VISCOSITY	DRC	DIC	DC	DCV	DCD	DR	DI	DSH	DSL	DSHL	DRT	DIT	DT	DY	DE	DP	DW	DG		DV
E	VOLTAGE	ERC	EIC	EC	ECV	ECD	ER	EI	ESH	ESL	ESHL	ERT	EIT	ET	EY	EE	EP	EW	EG		EZ
F	FLOW RATE	FRC	FIC	FC	FCV	FCD	FR	FI	FSH	FSL	FSHL	FRT	FIT	FT	FY	FE	FP	FW	FG		FV
FQ	FLOW QUANTITY	FQRC	FQIC	FQC	FQCV	FQCD	FQR	FQI	FQSH	FQSL	FQSHL	FQRT	FQIT	FQT	FQY	FQE	FQP	FQW	FQG		FQV
FF	FLOW RATIO	FFRC	FFIC	FFC	FFCV	FFCD	FFR	FFI	FFSH	FFSL	FFSHL	FFRT	FFIT	FFT	FFY	FFE	FFP	FFW	FFG		
H	HAND	HRC	HIC	HC	HCV	HCD	HR	HI	HSH	HSL	HSHL	HRT	HIT	HT	HY	HE	HP	HW	HG		HZ
I	CURRENT	IRC	IIC	IC	ICV	ICD	IR	II	ISH	ISL	ISHL	IRT	IIT	IT	IY	IE	IP	IW	IG		IZ
J	POWER	JRC	JIC	JC	JCV	JCD	JR	JI	JSH	JSL	JSHL	JRT	JIT	JT	JY	JE	JP	JW	JG		JV
K	TIME	KRC	KIC	KC	KCV	KCD	KR	KI	KSH	KSL	KSHL	KRT	KIT	KT	KY	KE	KP	KW	KG		KV
L	LEVEL	LRC	LIC	LC	LCV	LCD	LR	LI	LSH	LSL	LSHL	LRT	LIT	LT	LY	LE	LP	LW	LG		LV
M	MOISTURE	MRC	MIC	MC	MCV	MCD	MR	MI	MSH	MSL	MSHL	MRT	MIT	MT	MY	ME	MP	MW	MG		MV
N	FREQUENCY	NRC	NIC	NC	NCV	NCD	NR	NI	NSH	NSL	NSHL	NRT	NIT	NT	NY	NE	NP	NW	NG		
P	PRESS./VACUUM	PRC	PIC	PC	PCV	PCD	PR	PI	PSH	PSL	PSHL	PRT	PIT	PT	PY	PE	PP	PW	PG	PSVPSE	PV
PD	PRESS./DIFF.	PDRC	PDIC	PDC	PDCV	PDCD	PDR	PDI	PDSH	PDSL	PDSHL	PDRT	PDIT	PDT	PDY	PDE	PDP	PDW	PDG		PDV
Q	QUANTITY	QRC	QIC	QC	QCV	QCD	QR	QI	QSH	QSL	QSHL	QRT	QIT	QT	QY	QE	QP	QW	QG		QZ
R	RADIATION	RRC	RIC	RC	RCV	RCD	RR	RI	RSH	RSL	RSHL	RRT	RIT	RT	RY	RE	RP	RW	RG		RZ
S	SPEED	SRC	SIC	SC	SCV	SCD	SR	SI	SSH	SSL	SSHL	SRT	SIT	ST	SY	SE	SP	SW	SG		SV
T	TEMPERATURE	TRC	TIC	TC	TCV	TCD	TR	TI	TSH	TSL	TSHL	TRT	TIT	TT	TY	TE	TP	TW	TG	TSE	TV
TD	TEMPERATURE/DIFF.	TDRC	TDIC	TDC	TDCV	TDCD	TDR	TDI	TDSH	TDSL	TDSHL	TDRT	TDIT	TDT	TDY	TDE	TDP	TDW	TDG		TDV
U	MULTIVARIABLE	URC	UIC	UC	UCV	UCD	UR	UI	USH	USL	USHL	URT	UIT	UT	UY	UE	UP	UW	UG		UV
V	VIBRATION/MACHINERY ANALYSIS	VRC	VIC	VC	VCV	VCD	VR	VI	VSH	VSL	VSHL	VRT	VIT	VT	VY	VE	VP	VW	VG		VZ
W	WEIGHT/FORCE	WRC	WIC	WC	WCV	WCD	WR	WI	WSH	WSL	WSHL	WRT	WIT	WT	WY	WE	WP	WW	WG		WZ
X	ON/OFF	XRC	XIC	XC	XCV	XCD	XR	XI	XSH	XSL	XSHL	XRT	XIT	XT	XY	XE	XP	XW	XG		XV
Y	EVENT STATE/PRESENCE	YRC	YIC	YC	YCV	YCD	YR	YI	YSH	YSL	YSHL	YRT	YIT	YT	YY	YE	YP	YW	YG		YZ
Z	POS./DIMEN.	ZRC	ZIC	ZC	ZCV	ZCD	ZR	ZI	ZSH	ZSL	ZSHL	ZRT	ZIT	ZT	ZY	ZE	ZP	ZW	ZG		ZV

NOTE: THIS TABLE IS NOT ALL INCLUSIVE

*A, ALARM. THE ANNUNCIATING DEVICE, MAY BE USED IN THE SAME FASHION AS S, SWITCH, THE ACTUATING DEVICE.

† THE LETTERS H AND L MAY BE OMITTED IN THE UNDEFINED CASE

OTHER POSSIBLE COMBINATIONS

TJR	(SCANNING RECORDER)	FO	(RESTRICTION ORIFICE)	PFR	(RATIO)	HMS	(HAND MOMENTARY SWITCH)	ZSC	(POSITION SWITCH CLOSED)
LLH	(PILOT LIGHT)	FRK,HIK	(CONTROL STATIONS)	KQI	(RUNNING TIME INDICATOR)	XY	(PILOT SOLENOID VALVE)	ZSO	(POSITION SWITCH OPEN)
XC	(MOTOR STARTER)	FX	(ACCESSORIES)	WKIC	(RATE-OF-WEIGHT LOSS CONTROLLER)	XS	(MOTOR AUXILIARY)		
PRV	(PRESSURE REGULATING VALVE)								

GENERAL INSTRUMENT OR FUNCTION SYMBOLS

FIELD | PANEL MOUNT ACCESSIBLE

- DISCRETE INSTRUMENTS (ie: SENSORS, CONTROLLERS, RECORDERS ETC.)
- INDICATING LIGHTS, ALARMS, HORNS
- XXXX / YYYY — XXXX = PROCESS MEDIA; REFER TO DRAWING YYYY FOR CONTINUATION OF PROCESS
- I — INTERLOCK
- AI / XXX — DDC ANALOG INPUT
- AO / XXX — DDC ANALOG OUTPUT
- DI / XXX — DDC DISCRETE INPUT
- DO / XXX — DDC DISCRETE OUTPUT
- FI / XXX — DDC FREQUENCY INPUT

XXX 999 — LOOP IDENTIFIER (REFER TO ABBREVIATION MATRIX); LOOP TAG NUMBER; XXX = CLARIFIER (USED FOR ANALYZERS TO IDENTIFY TYPE EXAMPLE: i.e. pH, CONDUIT, ODP, ETC...)

DAMPERS

- OPPOSED BLADE TYPE
- PARALLEL BLADE TYPE
- BD — BACKDRAFT

INSTRUMENT LINE SYMBOLS

- CONNECTION TO PROCESS OR INSTRUMENT SUPPLY
- PNEUMATIC SIGNAL
- CAPILLARY TUBE
- HYDRAULIC SIGNAL
- ELECTRIC SIGNAL OR SOFTWARE LINK (SERIAL OR DATA)
- HARDWARE LINK
- PACKAGED EQUIPMENT LINE
- MAIN AIR SUPPLY
- XXXXX — XXXXX INDICATES COMMUNICATION FORMAT

Mechanical Symbols and Abbreviations

SCALE: NOT TO SCALE

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General Notes

No.	Description	Date
6	BID DOCUMENTS	09/07/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

NEW MUNICIPAL PARKING FACILITY

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE PLANNING LANDSCAPE ARCHITECTURE URBAN DESIGN

Drawing Title

MECHANICAL SYMBOLS AND ABBREVIATIONS

Drawn	Date
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SE	
Job Number	
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8/9/2017 11:32:13 AM

GENERAL NOTES

1. ACC TO BE MOUNTED BY MC
2. IMPULSE FANS TO HAVE OED WITH SCREEN
3. ALL OED WITH 1/2" x 1/2" WIRE WELD MESH

SHEET KEY NOTES

1. GALVANIZED SHEET METAL TRIM PIECE RUN THE LENGTH OF DUCTWORK FROM FLOOR TO DECK ABOVE. REFER TO DETAIL 12/M-500

FOR REFERENCE ONLY

MECHANICAL UNDERGROUND PARKING PLAN - LEVEL U4

SCALE: 1/8" = 1'-0"

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General Notes

No.	Description	Date
6	BID DOCUMENTS	08/07/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

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CITY OF MADISON, 53703

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ASSOCIATE ARCHITECT:
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PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE

Drawing Title

MECHANICAL UNDERGROUND PARKING PLAN - LEVEL U4

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JH	9/5/2017 11:32:14 AM
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GG	M-100.1
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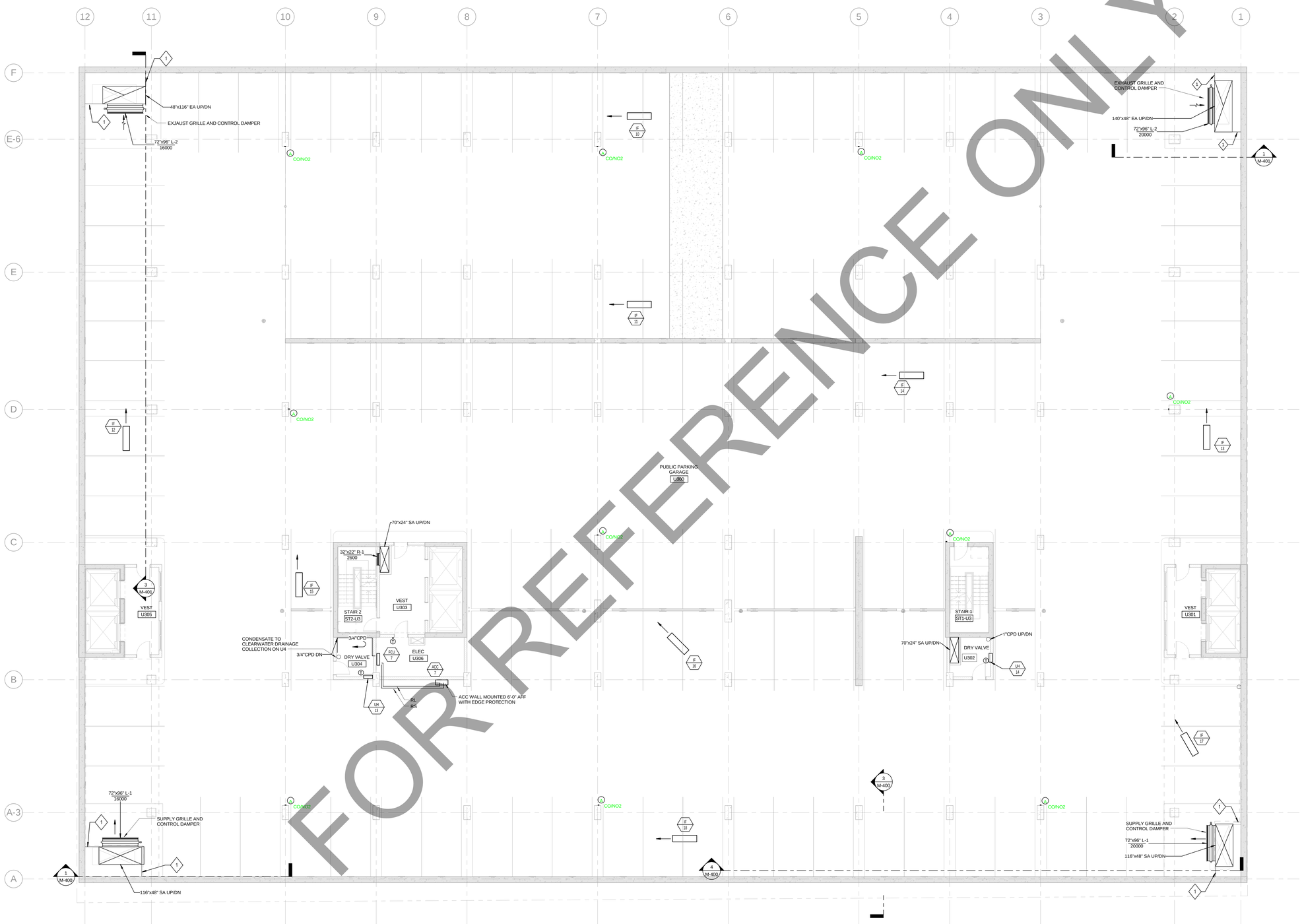
GENERAL NOTES

1. ACC TO BE MOUNTED BY MC
2. IMPULSE FANS TO HAVE OED WITH SCREEN
3. ALL OED WITH 1/2" x 1/2" WIRE WELD MESH

SHEET KEY NOTES

1. GALVANIZED SHEET METAL TRIM PIECE RUN THE LENGTH OF DUCTWORK FROM FLOOR TO DECK ABOVE. REFER TO DETAIL 12/M-500



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MECHANICAL UNDERGROUND PARKING PLAN - LEVEL U3

SCALE: 1/8" = 1'-0"

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General Notes

No.	Description	Date
6	BID DOCUMENTS	09/07/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

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CITY OF MADISON, 53703

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ASSOCIATE ARCHITECT:
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PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE

Drawing Title

MECHANICAL UNDERGROUND PARKING PLAN - LEVEL U3

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GG	M-100.2
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GENERAL NOTES

1. ACC TO BE MOUNTED BY MC
2. IMPULSE FANS TO HAVE OED WITH MESH
3. ALL OED WITH 1/2" x 1/2" WIRE WELD MESH

SHEET KEY NOTES

1. GALVANIZED SHEET METAL TRIM PIECE RUN THE LENGTH OF DUCTWORK FROM FLOOR TO DECK ABOVE. REFER TO DETAIL 12/M-500

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MECHANICAL UNDERGROUND PARKING PLAN - LEVEL U2

SCALE: 1/8" = 1'-0"

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No.	Description	Date
6	BID DOCUMENTS	09/07/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

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ARCHITECT:
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ASSOCIATE ARCHITECT:
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PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

MECHANICAL UNDERGROUND PARKING PLAN - LEVEL U2

Drawn	Date
JH	9/5/2017 11:32:22 AM
Checked By	**Drawing Number**
GG	M-100.3
Approved	
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Job Number	
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GENERAL NOTES

1. ACC TO BE MOUNTED BY MC
2. IMPULSE FANS TO HAVE OED WITH SCREEN
3. ALL OED WITH 1/2" x 1/2" WIRE WELD MESH

SHEET KEY NOTES

1. GALVANIZED SHEET METAL TRIM PIECE RUN THE LENGTH OF DUCTWORK FROM FLOOR TO DECK ABOVE. REFER TO DETAIL 12/M-500

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MECHANICAL UNDERGROUND PARKING PLAN - LEVEL U1

SCALE: 1/8" = 1'-0"

No.	Description	Date
6	BID DOCUMENTS	08/07/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

NEW MUNICIPAL PARKING FACILITY

CITY OF MADISON, 53703

ARCHITECT:
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ASSOCIATE ARCHITECT:
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PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE

Drawing Title

MECHANICAL UNDERGROUND PARKING PLAN - LEVEL U1

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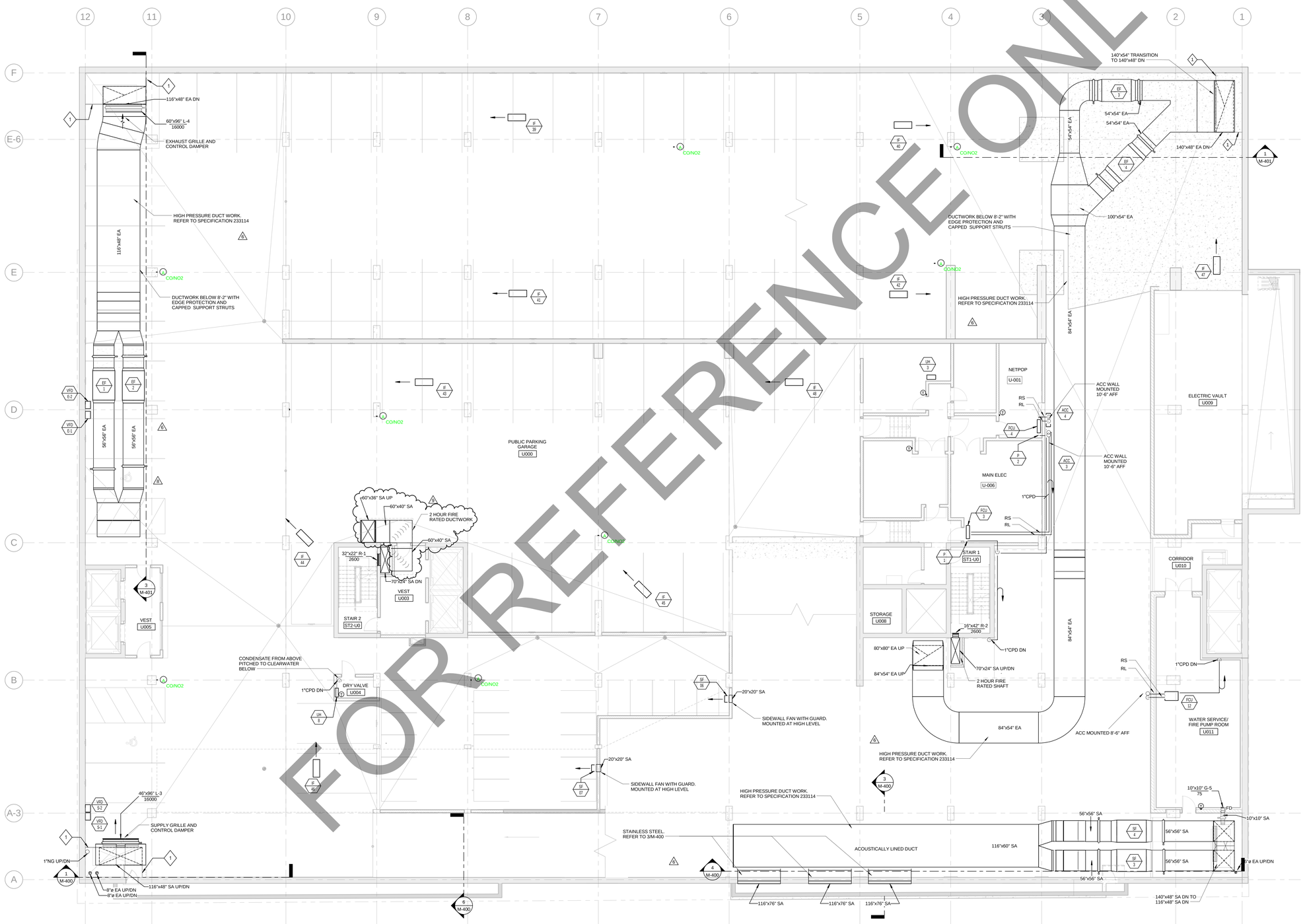
GENERAL NOTES

1. ACC TO BE MOUNTED BY MC
2. IMPULSE FANS TO HAVE OED WITH SCREEN
3. ALL OED WITH 1/2" x 1/2" WIRE WELD MESH

SHEET KEY NOTES

1. GALVANIZED SHEET METAL TRIM PIECE RUN THE LENGTH OF DUCTWORK FROM FLOOR TO DECK ABOVE. REFER TO DETAIL 12/M-500



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MECHANICAL UNDERGROUND PARKING PLAN - LEVEL U0

SCALE: 1/8" = 1'-0"

No.	Description	Date
9	BULLETIN #3	03/05/2018
8	BULLETIN #2	12/07/2017
7	BID DOCUMENTS	09/07/2017
6	ADDENDUM #2	07/28/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

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PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE

Drawing Title

MECHANICAL UNDERGROUND PARKING PLAN - LEVEL U0

Drawn	Date
JH	3/8/2018 10:30:44 AM
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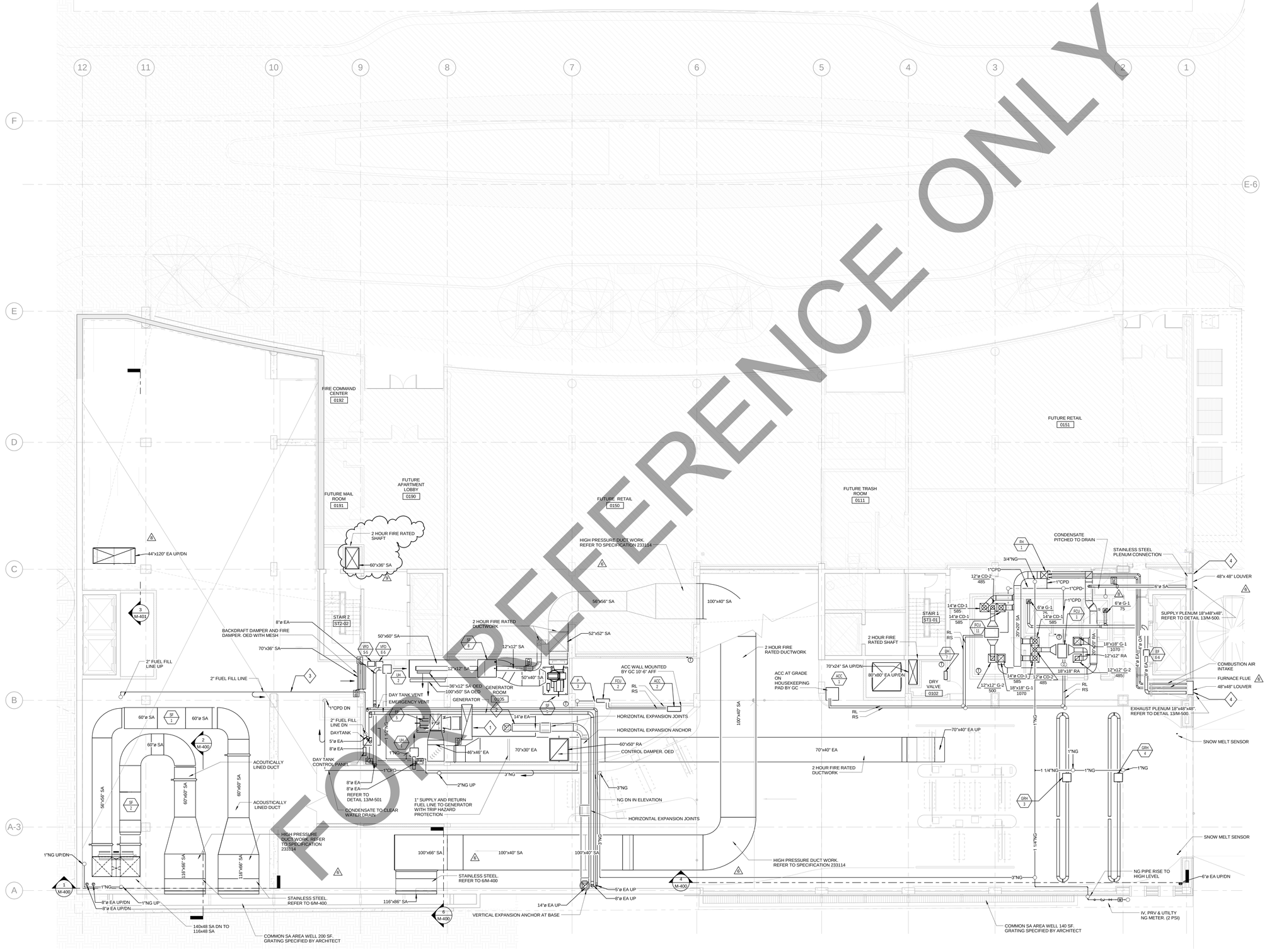
3/8/2018 10:30:44 AM

GENERAL NOTES

1. ACC TO BE MOUNTED BY MC
2. ALL OED WITH 1/2" x 1/2" WIRE WELD MESH

SHEET KEY NOTES

1. REFER TO DETAIL 3/M-501 FOR FIELD FABRICATED DUCT CONNECTION TO GENRATOR
2. GENERATOR EXHAUST STACK WITH SILENCER AND FLEXIBLE CONNECTION.
3. DAYTANK VENT AND EMERGENCY VENT SIZING TO BE COORDINATED WITH FINAL UNIT SELECTION PER MANUFACTURER'S REQUIREMENT.
4. SHEET METAL WORK INSTALLATION TO BE COORDINATED WITH ARCHITECTURAL SPECIFIED LOUVERS. COORDINATE DIMENSION OF LOUVER AND OF PLENUM CONNECTION WITH FINAL SELECTION. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATION 08-91-19.
6.



MECHANICAL LEVEL 1 PLAN - WILSON STREET

SCALE: 1/8" = 1'-0"

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General Notes

No.	Description	Date
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8	BULLETIN #2	12/07/2017
7	BID DOCUMENTS	09/07/2017
6	ADDENDUM #2	07/28/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

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CITY OF MADISON, 53703

ARCHITECT:
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ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

MECHANICAL LEVEL 1 PLAN - WILSON STREET

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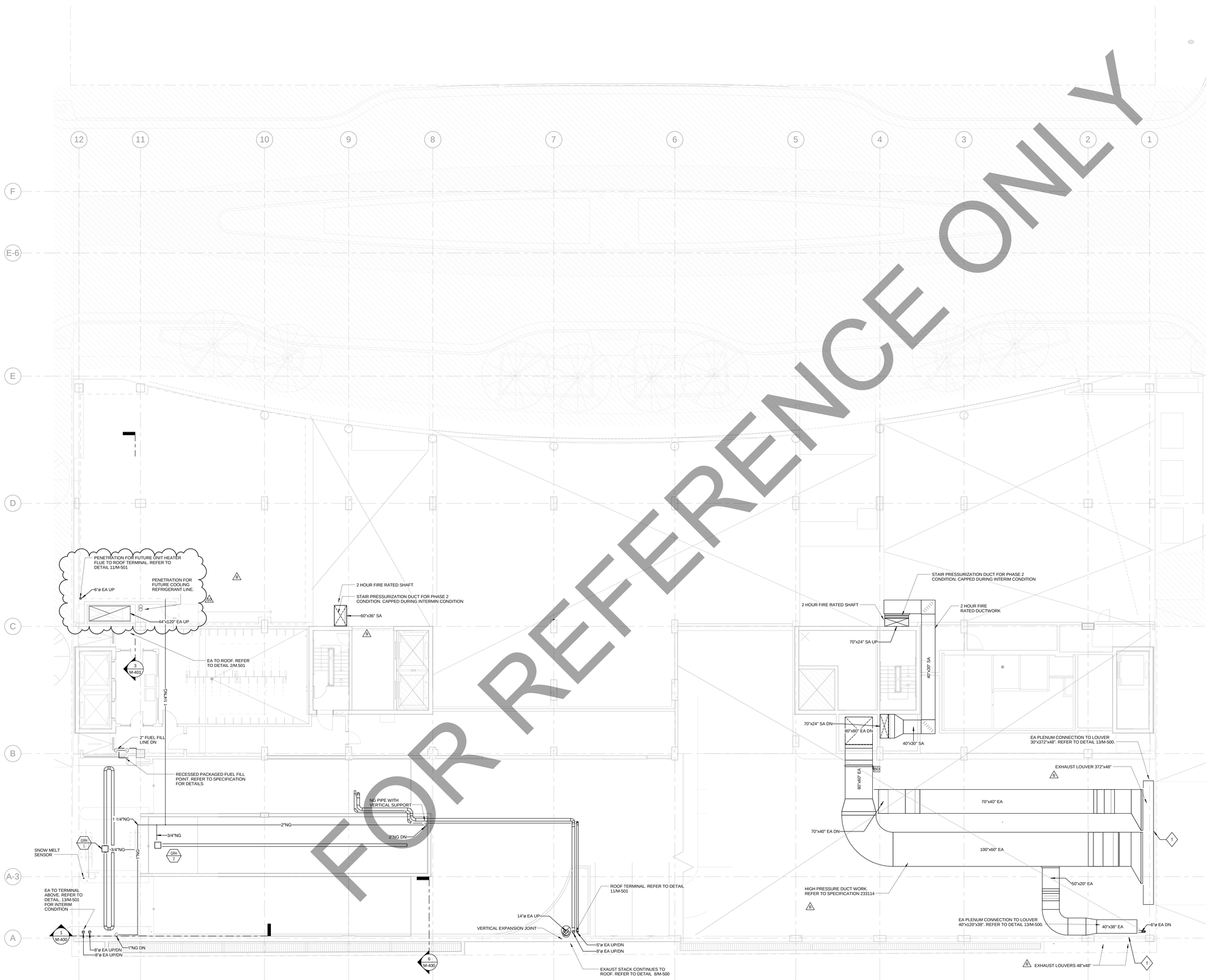
SHEET KEY NOTES

6 1 SHEET METAL WORK INSTALLATION TO BE COORDINATED WITH ARCHITECTURAL SPECIFIED LOUVERS. COORDINATE DIMENSION OF LOUVER AND OF PLENUM CONNECTION WITH FINAL SELECTION. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATION 08-91-19.



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MECHANICAL LEVEL 2 PLAN - DOTY STREET

SCALE: 1/8" = 1'-0"

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General Notes

No.	Description	Date
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9	BULLETIN #3	03/05/2018
8	BULLETIN #2	12/07/2017
7	BID DOCUMENTS	09/07/2017
6	ADDENDUM #2	07/28/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

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CITY OF MADISON, 53703

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MADISON | CHICAGO | ST. LOUIS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS
A WSP | PARSONS BRINCKERHOFF COMPANY

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

MECHANICAL LEVEL 2 PLAN - DOTY STREET

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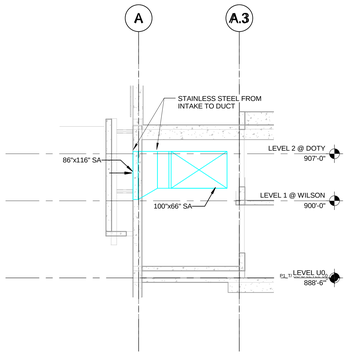

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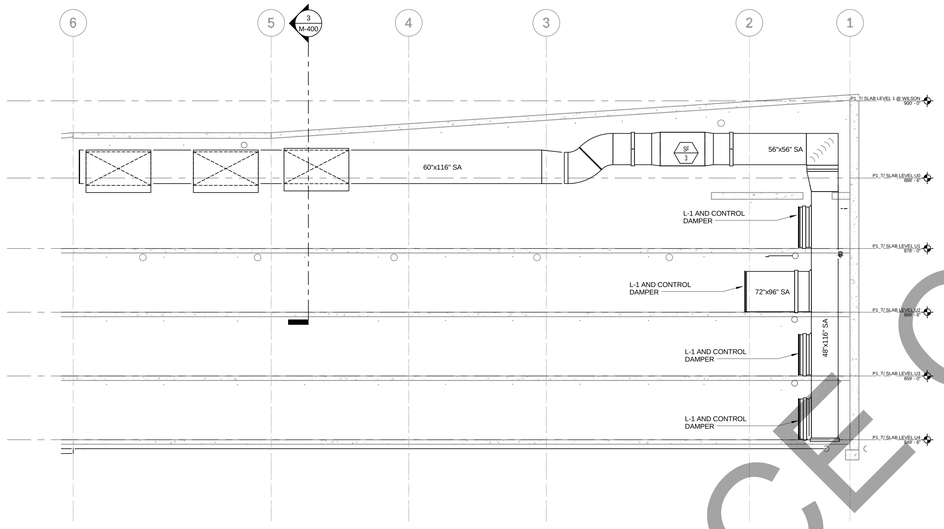

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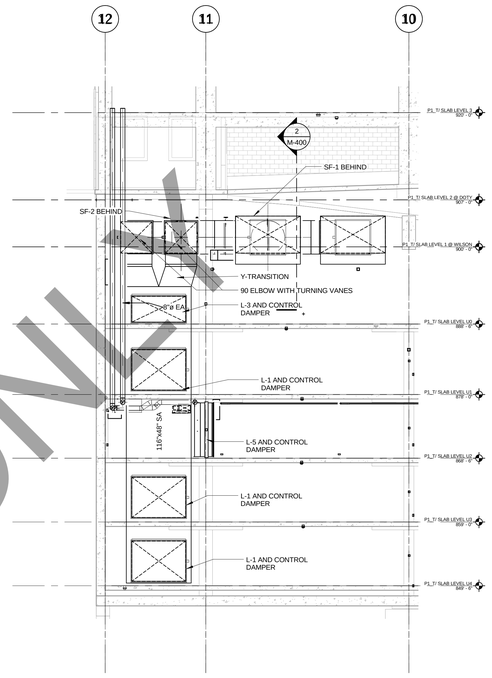

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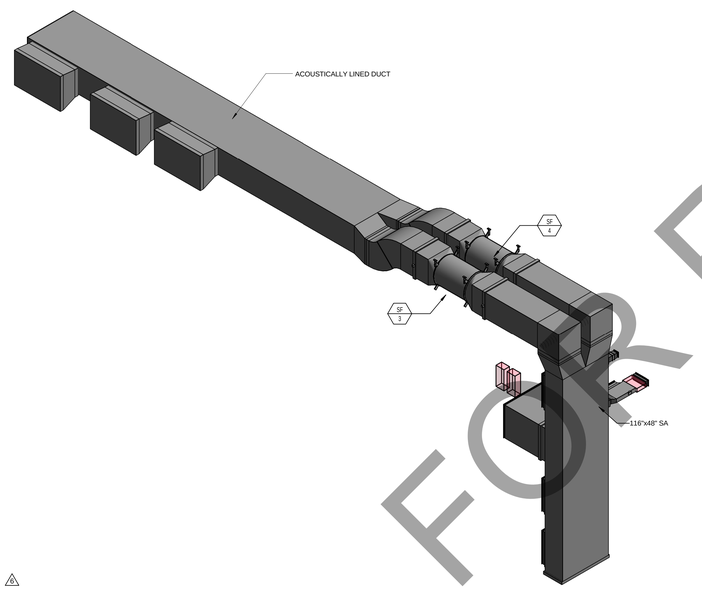

7 3D View - SF 3 & 4
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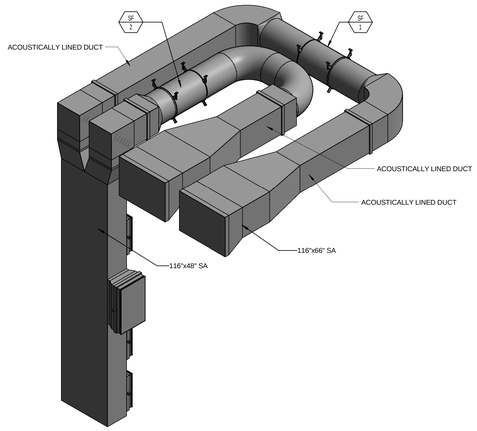

5 3D View - SF 1 & 2
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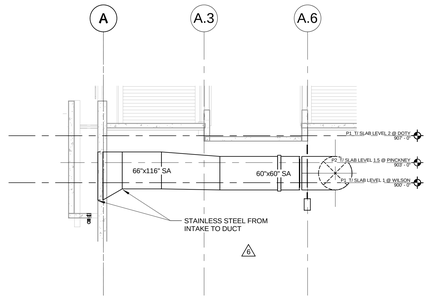

2 Section - Doty St Areawell
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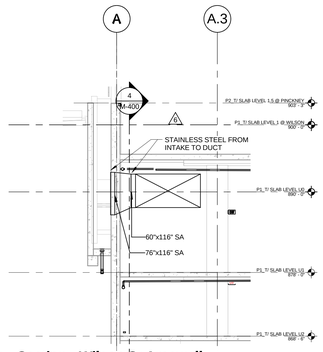

3 Section - Wilson St Areawell
SCALE: NOT TO SCALE

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General Notes

No.	Description	Date
7	BID DOCUMENTS	09/07/2017
6	ADDENDUM #2	07/28/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

NEW MUNICIPAL PARKING FACILITY

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

MECHANICAL ENLARGED VIEWS

Drawn	Date
JH	9/5/2017 11:32:52 AM
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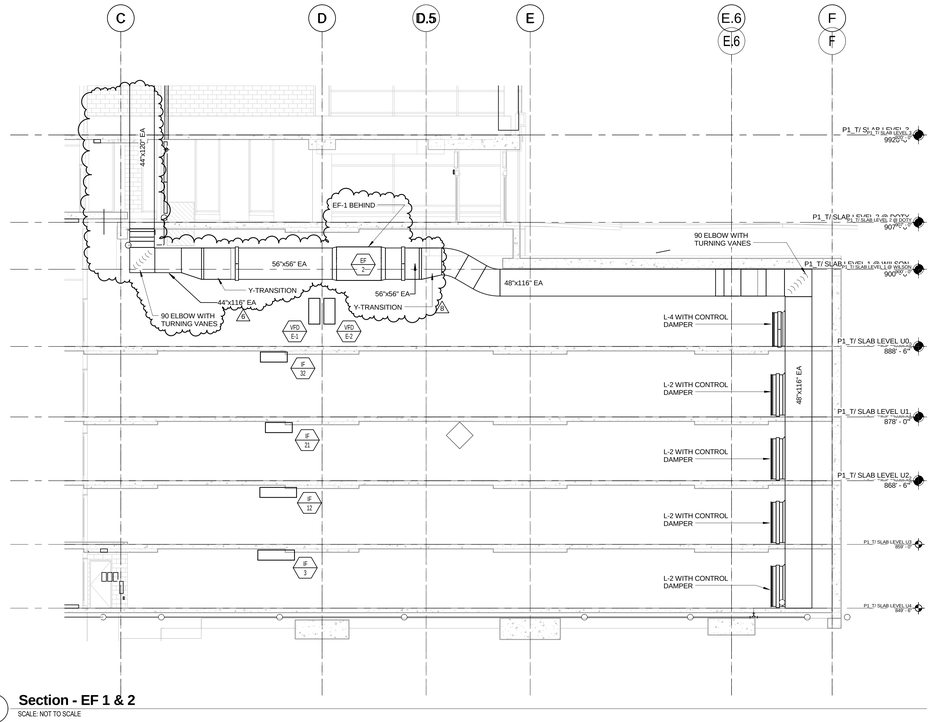

3 **Section - EF 1 & 2**
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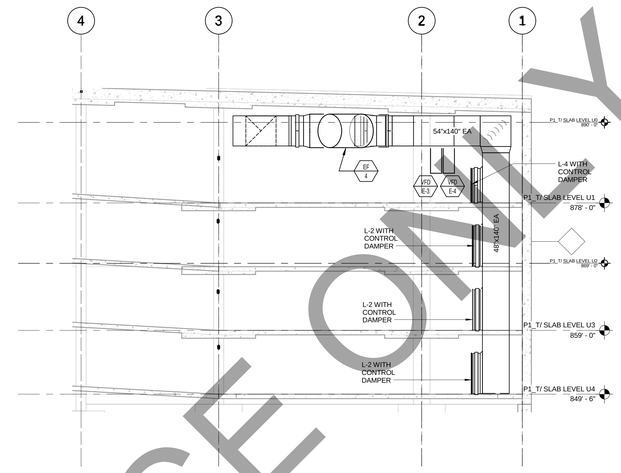

1 **Section - EF 3 & 4**
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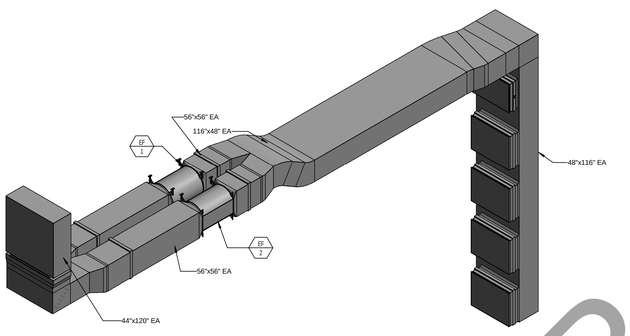
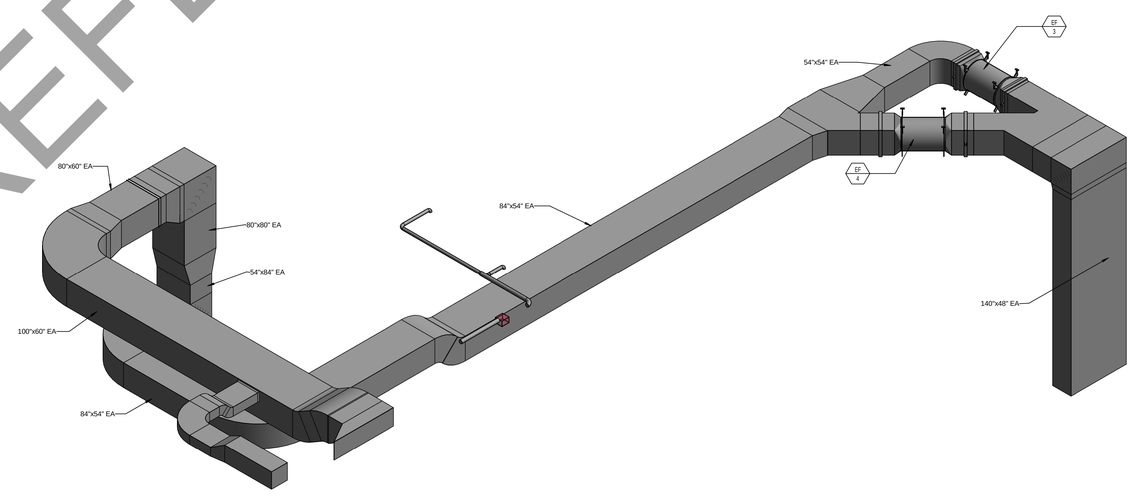


4 **3D View - EF 1 & 2**
SCALE: NOT TO SCALE



2 **3D View - EF 3 & 4**
SCALE: NOT TO SCALE

FOR REFERENCE ONLY

General Notes

No.	Description	Date
8	BULLETIN #2	12/07/2017
7	BID DOCUMENTS	09/07/2017
6	ADDENDUM #2	07/28/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

NEW MUNICIPAL PARKING FACILITY

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

MECHANICAL ENLARGED VIEWS

Drawn	Date
JH	12/7/2017 12:47:15 PM
Checked By	**Drawing Number**
GG	
Approved	
SE	M-401
Job Number	
215-1051	

TRUE NORTH
PROJECT NORTH

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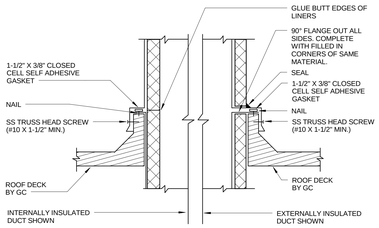
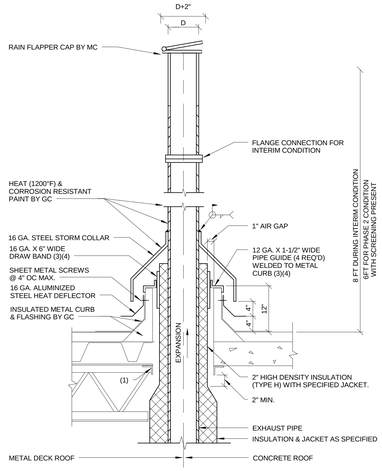


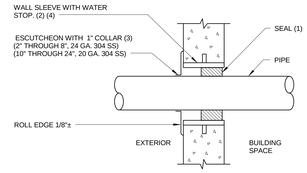
NOTES:
(1) CURB AND FLASHING BY GC UNLESS OTHERWISE SPECIFIED.

11 DUCT PENETRATION THRU ROOF
SCALE: NOT TO SCALE



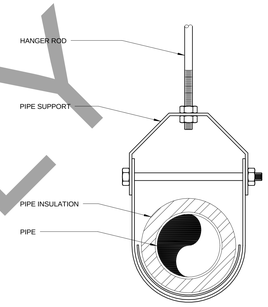
NOTES:
(1) FRAMING FOR ROOF OPENING BY GC.
(2) PROVIDE GUY WIRES FOR STACKS 10 FT OR MORE ABOVE ROOF OR WHEN STACK HEAD IS ADDED TO EXHAUST PIPE.
(3) WHEN GUY WIRES ARE USED PIPE GUIDES & DRAW BAND ARE TO BE ELIMINATED.
(4) PROVIDE 1/16" CLEARANCE ALL AROUND BETWEEN PIPE GUIDES AND DRAW BAND.

8 EMERGENCY GENERATOR EXHAUST PIPE PENETRATION THRU-ROOF
SCALE: NOT TO SCALE



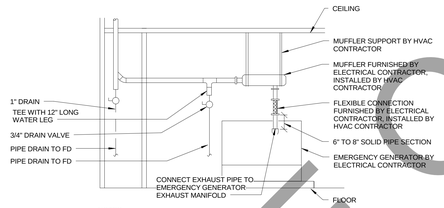
NOTES:
(1) "LINK-SEAL" MODULAR WALL AND CASING SEAL BY THUNDERLINE CORPORATION. USE 316 SS NUTS AND BOLTS.
(2) REFER TO SPECIFICATION SECTION 20 0000 FOR ADDITIONAL REQUIREMENTS.
(3) FASTEN TO WALL WITH EXPANSION ANCHORS & SS SCREWS. ESCUTCHEON NOT REQUIRED FOR BELOW GRADE APPLICATION.
(4) FOR CORE DRILLED HOLE, INSTALL "LINK-SEAL" SEAL BETWEEN PIPE AND OPENING WITHOUT SLEEVE. SIZE OPENING AS RECOMMENDED BY SEAL MANUFACTURER.
(5) FOR INSULATED PIPE, EXTEND INSULATION TO SEAL AT BOTH SIDES. ATTACH ESCUTCHEON TO INSULATION JACKET.

4 PIPE THRU EXTERIOR WALL INTO BUILDING SPACE
SCALE: NOT TO SCALE



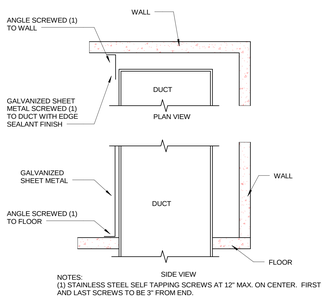
NOTES:
(1) REFER TO SPECIFICATION SECTION 20 0529 FOR INSULATED PIPE SUPPORTS, INSULATION PROTECTION SHIELDS AND SADDLES.

1 PIPE HANGER (CLEVIS)
SCALE: NOT TO SCALE



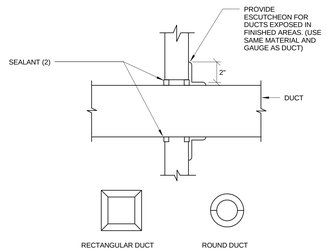
NOTES:
(1) INSTALL FLEXIBLE CONNECTOR PERPENDICULAR TO ENGINE CRANKSHAFT AFTER A SOLID SECTION OF PIPE BETWEEN 6" AND 8" LONG INSTALLED AT THE EXHAUST MANIFOLD.
(2) INSTALL MUFFLER AS CLOSE TO ENGINE AS POSSIBLE AND PROVIDE THE ADEQUATE SUPPORTS TO PROPERLY DISTRIBUTE THE LOAD TO THE STRUCTURE.
(3) INSTALL HORIZONTAL RUN OF EXHAUST PIPE WITH 1/8" PER FOOT PITCH DOWNWARD AWAY FROM ENGINE.
(4) INSTALL MUFFLER AND FLEXIBLE CONNECTOR AND ROUTE PIPING APPROXIMATELY AS SHOWN ON THE PLAN, MODIFYING AS NECESSARY TO: PROPERLY PROVIDE FOR EXPANSION, MAINTAIN ADEQUATE AISLE SPACE AND HEADROOM, ADEQUATELY CLEAR THE WORK OF OTHER TRADES, PROVIDE ADEQUATE CLEARANCE SO ANY PART CAN BE EASILY REPLACED, ASSURE EASE OF MAINTENANCE, ADAPT TO FIELD MEASUREMENTS AND CONDITIONS.
(5) REFER TO SPECIFICATION SECTION 23 2116 FOR EXHAUST PIPE MATERIAL AND SECTION 20 0700 FOR EXHAUST PIPE INSULATION REQUIREMENTS.

5 EMERGENCY GENERATOR EXHAUST PIPE
SCALE: NOT TO SCALE



NOTES:
(1) STAINLESS STEEL SELF TAPPING SCREWS AT 12" MAX. ON CENTER. FIRST AND LAST SCREWS TO BE 3" FROM END.

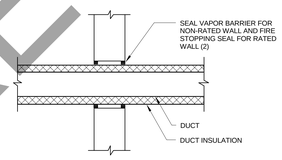
12 SHEET METAL TRIM
SCALE: NOT TO SCALE



TYPICAL ESCUTCHEON

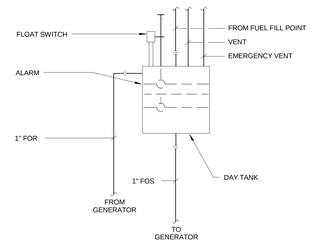
NOTES:
(1) THIS DETAIL APPLIES FOR NON-INSULATED DUCTS THRU WALL WHERE FIRE DAMPER IS NOT REQUIRED.
(2) WHERE WALL IS FIRE RATED, COMBINATION OF SEALANT AND BACKING MATERIAL SHALL MEET THIS RATING, REFER TO SPECIFICATION SECTION 20 0573 FOR FIRE STOPPING SYSTEM MANUFACTURERS.

9 DUCT PENETRATION THRU INTERIOR WALL (NON-INSULATED DUCTS)
SCALE: NOT TO SCALE



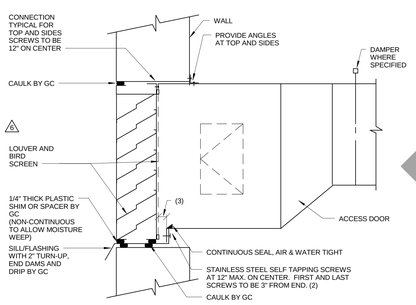
NOTES:
(1) THIS DETAIL APPLIES FOR INSULATED DUCTS THRU WALL WHERE FIRE DAMPER IS NOT REQUIRED.
(2) WHERE WALL IS FIRE RATED, COMBINATION OF SEALANT, BACKING MATERIAL AND INSULATION SHALL MEET THIS RATING. REFER TO SPECIFICATION SECTION 20 0573 FOR FIRE STOPPING SYSTEM MANUFACTURERS.

6 DUCT PENETRATION THRU INTERIOR WALL (INSULATED DUCTS)
SCALE: NOT TO SCALE



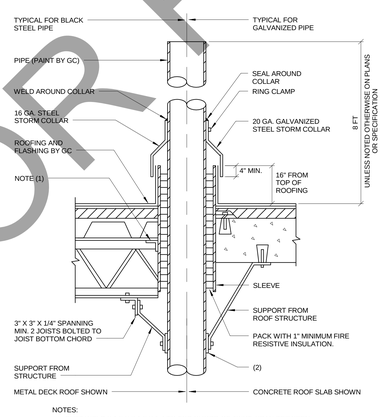
NOTES:
(1) DAY TANK FURNISHED WITH AUDIO/VISUAL ALARM

2 FUEL OIL DAY TANK PIPING FOR EMERGENCY GENERATOR
SCALE: NOT TO SCALE



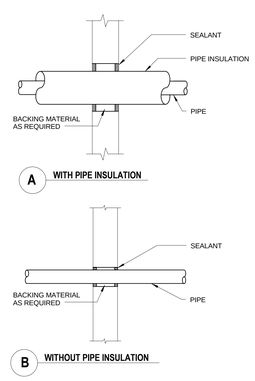
NOTES:
(1) PLENUM CONNECTION TO LOUVER IS SIMILAR.
(2) BOTTOM OF DUCT TO BE COMPLETELY OVERLAPPED WITH TURN-UP. DRILL TURN-UP PRIOR TO INSTALLING SELF TAPPING SCREW TO ENSURE DUCT IS DRAWN TIGHT TO TURN-UP.
(3) MINIMUM 1" SCREW CONNECTION CLEARANCE.

13 PLENUM CONNECTION TO LOUVER
SCALE: NOT TO SCALE



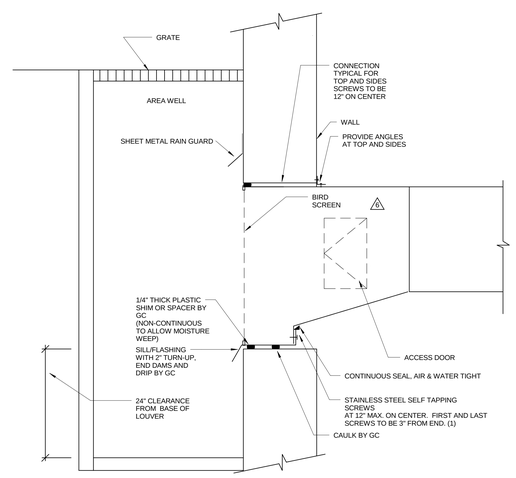
NOTES:
(1) BUTT WELD 2-1/2 X 2-1/2 X 1/4 TO TOP CHORD OF JOIST. SPAN BETWEEN JOISTS. FRAME AROUND 4 SIDES OF SLEEVE & WELD TO SLEEVE.
(2) WELD STRAP TO PIPE WHERE PIPE WEIGHT IS SUPPORTED FROM ROOF STRUCTURE. PROVIDE GUIDE WHERE PIPE WEIGHT IS SUPPORTED AT BASE OF RISER.

10 PIPE PENETRATION AT ROOF (NON-INSUL. PIPE)
SCALE: NOT TO SCALE



NOTES:
(1) WHERE WALL IS FIRE RATED, APPLY FIRE STOPPING SYSTEM (COMBINATION OF SEALANT, BACKING MATERIAL AND INSULATION) MEETING THIS RATING. REFER TO SPECIFICATION SECTION 20 0573 FOR FIRE STOPPING SYSTEM.

7 PIPE THRU INTERIOR WALL
SCALE: NOT TO SCALE



NOTES:
(1) BOTTOM OF DUCT TO BE COMPLETELY OVERLAPPED WITH TURN-UP. DRILL TURN-UP PRIOR TO INSTALLING SELF TAPPING SCREW TO ENSURE DUCT IS DRAWN TIGHT TO TURN-UP.

3 DUCT CONNECTION TO AREA WELL LOUVER
SCALE: NOT TO SCALE

FOR REFERENCE ONLY

General Notes

No.	Description	Date
7	BID DOCUMENTS	09/07/2017
6	ADDENDUM #2	07/28/2017
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4	ISSUED FOR FINAL BID	06/23/2017
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1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

NEW MUNICIPAL PARKING FACILITY

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC
ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS
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WALKER PARKING CONSULTANTS
STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS
MEP/FP ENGINEERS:
AEI Affiliated Engineers
CIVIL ENGINEERS:
Mead & Hunt
LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE

Drawing Title

MECHANICAL DETAILS

Drawn	Date
JH	9/5/2017 11:33:05 AM
Checked By	Drawing Number
GG	M-500
Approved	
SE	
Job Number	
215-1051	

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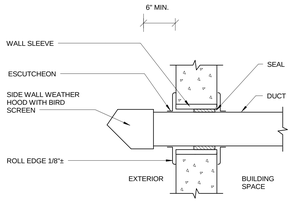
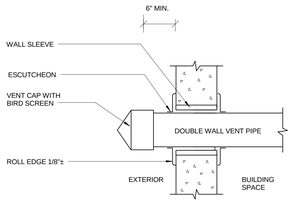
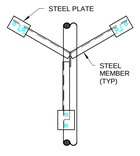


13 TYPICAL SIDE WALL EXHAUST TERMINAL
SCALE: NOT TO SCALE

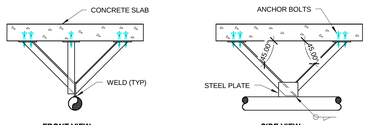


14 TYPICAL SIDE WALL FLUE TERMINAL
SCALE: NOT TO SCALE



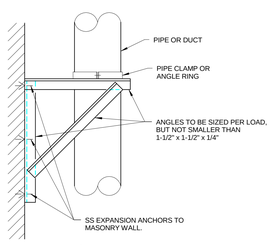
TOP VIEW

NOTES:
(1) THIS DETAIL APPLIES TO PIPE ANCHOR AT CONCRETE SLAB AND CONCRETE WALL.
(2) FOR BEAM APPLICATION, WELD PLATE TO BEAM.
(3) INSULATION TO COMPLETELY COVER PLATE WELDED TO PIPE.
(4) DETAILS SHOWN ON THIS SHEET ARE CONCEPT ONLY. CONTRACTOR IS RESPONSIBLE FOR SIZING STEEL MEMBERS, WELDS AND BOLTS FOR PIPE EXPANSION FORCES AND STRUCTURAL INTEGRITY FOR EACH SPECIFIC ANCHOR LOCATION.

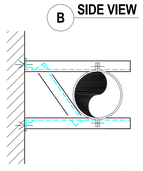


FRONT VIEW SIDE VIEW

15 ANCHOR TO CONCRETE SLAB
SCALE: NOT TO SCALE



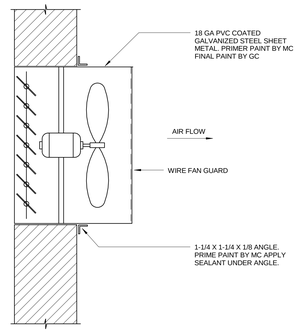
B SIDE VIEW



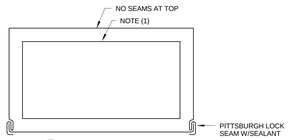
NOTES:
(1) SUPPORT MEMBERS TO BE GALVANIZED STEEL AND FASTENERS TO BE STAINLESS STEEL.

A PLAN VIEW

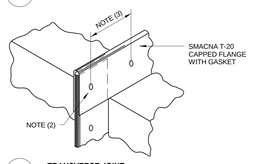
16 PIPE/DUCT SUPPORT TO BUILDING EXTERIOR WALL
SCALE: NOT TO SCALE



8 EXHAUST FAN WITH WIRE GUARD
SCALE: NOT TO SCALE



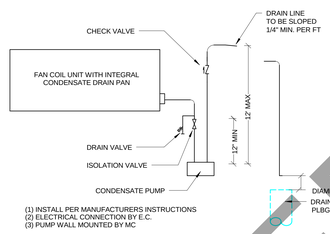
A DUCT SECTION



B TRANSVERSE JOINT

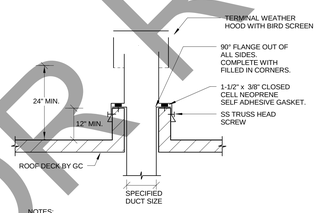
NOTES:
(1) INTERNAL DUCT INSULATION WHERE SPECIFIED. REFER TOSPECIFICATION SECTIONS 20 0700 AND 23 3114 FOR ADDITIONAL REQUIREMENTS
(2) TOP CORNER SHOWN WITH SIDE CAP INSIDE AND TOP CAP OUTSIDE. FOR BOTTOM CORNERS, MAKE SIDE CAP OUTSIDE AND BOTTOM CAP INSIDE.
(3) FASTEN WITHIN 2" OF CORNERS AT 8" INTERVALS. FASTEN AND SEAL WATER TIGHT AT OVERLAPPED CORNERS.

9 RECTANGULAR DUCT CONSTRUCTION FOR OUTDOOR INSTALLATION
SCALE: NOT TO SCALE



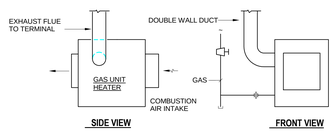
(1) INSTALL PER MANUFACTURERS INSTRUCTIONS
(2) ELECTRICAL CONNECTION BY E.C.
(3) PUMP WALL MOUNTED BY MC

10 COOLING COIL CONDENSATE DRAIN TRAP PIPING
SCALE: NOT TO SCALE



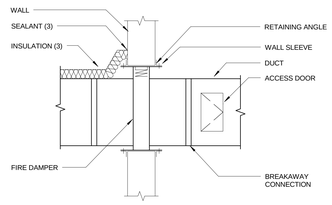
NOTES:
(1) CURB AND FLASHING BY GC UNLESS OTHERWISE SPECIFIED.

11 TYPICAL ROOF EXHAUST TERMINAL
SCALE: NOT TO SCALE



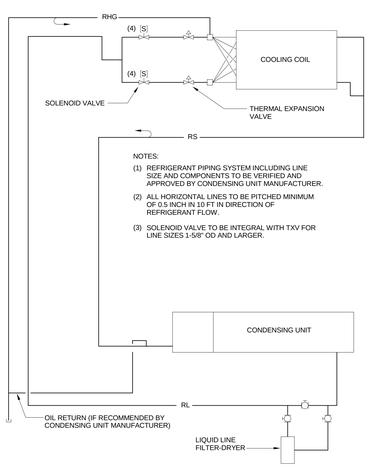
NOTES:
(1) FINAL INSTALLATION DETAILS PER MANUFACTUER'S RECOMMENDATIONS

12 SEALED COMBUSTION GAS UNIT HEATER
SCALE: NOT TO SCALE



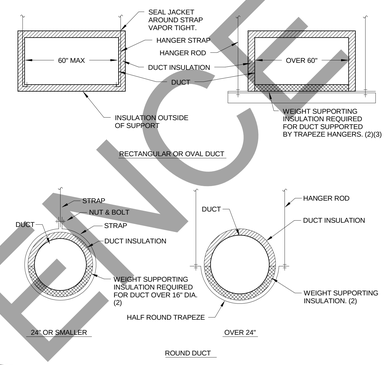
NOTES:
(1) ABOVE DETAIL SHOWS BASIC REQUIREMENT. INSTALL FIRE DAMPERS IN STRICT ACCORDANCE WITH MANUFACTURER'S UL INSTALLATION INSTRUCTION.
(2) VERTICAL CURTAIN TYPE DAMPER SHOWN. HORIZONTAL DAMPER , MULTIPLE BLADE DAMPER, AND COMBINATION FIRE/SMOKE DAMPER INSTALLATION SIMILAR.
(3) FOR DUCTWORK REQUIRING INSULATION, INSTALL INSULATION AND JACKET TO WALL (ALL SIDES) AND APPLY VAPOR BARRIER TAPE TO PREVENT CONDENSATION. TAPE SHALL BE COMPATIBLE WITH INSULATION JACKET AND WALL SURFACE. APPLY INSULATION OVER FIRE DAMPER AFTER INSPECTION HAS BEEN COMPLETED.

5 FIRE DAMPER
SCALE: NOT TO SCALE



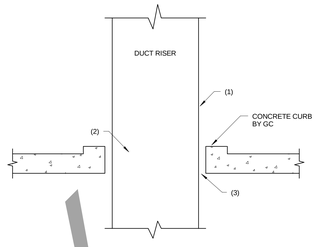
NOTES:
(1) REFRIGERANT PIPING SYSTEM INCLUDING LINE SIZE AND COMPONENTS TO BE VERIFIED AND APPROVED BY CONDENSING UNIT MANUFACTURER.
(2) ALL HORIZONTAL LINES TO BE PITCHED MINIMUM OF 0.5 INCH IN 10 FT IN DIRECTION OF REFRIGERANT FLOW.
(3) SOLENOID VALVE TO BE INTEGRAL WITH TXV FOR LINE SIZES 1-5/8" OD AND LARGER.

7 REFRIGERANT FLOW DIAGRAM
SCALE: NOT TO SCALE



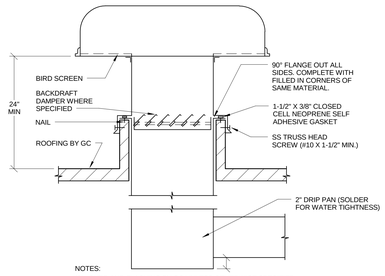
NOTES:
(1) INSULATION AND JACKET MUST RUN CONTINUOUSLY BETWEEN DUCT AND DUCT SUPPORTS.
(2) REFER TO SPECIFICATION SECTION 20 0700 FOR WEIGHT-SUPPORTING INSULATION REQUIREMENTS.
(3) THIS DETAIL SHALL APPLY FOR DUCTS 60" AND SMALLER IF TRAPEZE HANGERS ARE USED.

6 INSULATED DUCT SUPPORTS (RIGID GLASS FIBER INSUL. TYPE-R)
SCALE: NOT TO SCALE



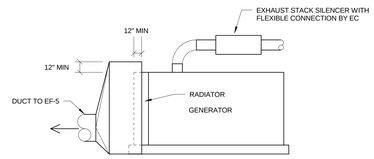
NOTES:
(1) SUPPORT DUCT IN ACCORDANCE WITH RISER SUPPORTS, SMACNA HVAC DUCT CONSTRUCTION STANDARDS. REFER TO SPECIFICATION SECTION 23 3114 FOR OTHER REQUIREMENTS.
(2) REFER TO PLANS FOR FIRE, SMOKE OR COMBINATION FIRE/SMOKE DAMPER REQUIREMENTS.
(3) WHERE FIRE, SMOKE OR COMBINATION FIRE/SMOKE DAMPER IS NOT REQUIRED, PROVIDE FIRE STOPPING SYSTEM MEETING THE REQUIRED RATING. REFER TO SPECIFICATION SECTION 20 0573 FOR FIRE STOPPING SYSTEM.

1 DUCT RISER THROUGH FLOOR
SCALE: NOT TO SCALE



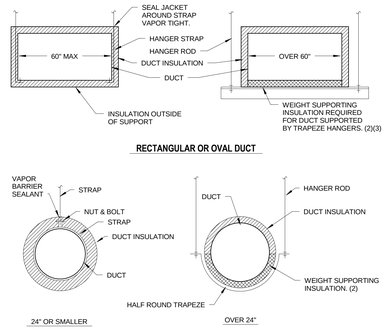
NOTES:
(1) CURB AND FLASHING BY GC UNLESS OTHERWISE SPECIFIED.

2 TYPICAL EXHAUST HOOD
SCALE: NOT TO SCALE



(1) FIELD FABRICATED DUCTWORK
(2) DIMENSIONS TO BE COORDINATED WITH FINAL EQUIPMENT SELECTION

3 GENERATOR EXHAUST DUCT CONNECTION
SCALE: NOT TO SCALE



NOTES:
(1) INSULATION AND JACKET MUST RUN CONTINUOUSLY BETWEEN DUCT AND DUCT SUPPORTS, EXCEPT ROUND DUCTS 24" OR SMALLER.
(2) REFER TO SPECIFICATION SECTION 20 0700 FOR WEIGHT-SUPPORTING INSULATION REQUIREMENTS.
(3) THIS DETAIL SHALL APPLY FOR DUCTS 60" AND SMALLER IF TRAPEZE HANGERS ARE USED.

4 INSULATED DUCT SUPPORTS (FLEX GLASS FIBER INSUL TYPE-F)
SCALE: NOT TO SCALE

TRUE NORTH
PROJECT NORTH

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FOR REFERENCE ONLY

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General Notes

No.	Description	Date
6	BID DOCUMENTS	09/07/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

NEW MUNICIPAL PARKING FACILITY

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC
ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS
PARKING CONSULTANT:
WALKER PARKING CONSULTANTS
STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS
MEP/FP ENGINEERS:
Affiliated Engineers
CIVIL ENGINEERS:
Mead & Hunt
LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE

Drawing Title

MECHANICAL DETAILS

Drawn	Date
JH	9/5/2017 11:33:11 AM
Checked By	**Drawing Number**
GG	M-501
Approved	
SE	
Job Number	
215-1051	

FANS

MARK SF/EF	LOCATION	SERVICE	NORMAL OPERATION CFM	SP (WG)	BHP	FAN TYPE	DRIVE	WHEEL TYPE TYPE	MIN. DIA.	MAX RPM	FAN CLASS	FAN ARRANGE	DAMPER	INTERLOCK	MOTOR HP	PH	VOLT	VFD	ELECTRICAL SCCR (MIN)	REMARKS BASED ON GREENHECK
SF 1	Level 1 Wilson Street	Supply Air	40,000	2.0	29.1	Mixed Flow	Direct	Cent.	-	870	1	-	-	-	30	3	480	Y	-	QEID-44-95
SF 2	Level 1 Wilson Street	Supply Air	40,000	2.0	29.1	Mixed Flow	Direct	Cent.	-	870	1	-	-	-	30	3	480	Y	-	QEID-44-95
SF 3	L U0	Supply Air	40,000	2.0	29.1	Mixed Flow	Direct	Cent.	-	870	1	-	-	-	30	3	480	Y	-	QEID-44-95
SF 4	L U0	Supply Air	40,000	2.0	29.1	Mixed Flow	Direct	Cent.	-	870	1	-	-	-	30	3	480	Y	-	QEID-44-95
SF 5	Level 1 Wilson Street	Supply Air	41,250	2.0	38.8	Utility Set	Direct	Cent.	-	1054	1	-	-	-	40	3	480	Y	-	CSW-49-AF
SF 6	L U0	SA Movement	1,000	0.1	0.1	Propeller	Direct	Axial	-	1550	1	-	-	-	0.1	1	120	N	-	SS-12-426-D
SF 7	L U0	SA Movement	1,000	0.1	0.1	Propeller	Direct	Axial	-	1550	1	-	-	-	0.1	1	120	N	-	SS-12-426-D
SF 8	Level 1 Wilson Street	Supply Air	600	1.5	0.5	Centrifugal	Direct	Cent.	-	2200	1	-	-	-	3/4	1	120	N	-	SQ-99-VG
EF 1	L U0	Exhaust Air	40,000	2.0	29.1	Mixed Flow	Direct	Cent.	-	870	1	-	-	-	30	3	480	Y	-	QEID-44-95
EF 2	L U0	Exhaust Air	40,000	2.0	29.1	Mixed Flow	Direct	Cent.	-	870	1	-	-	-	30	3	480	Y	-	QEID-44-95
EF 3	L U0	Exhaust Air	40,000	2.0	29.1	Mixed Flow	Direct	Cent.	-	870	1	-	-	-	30	3	480	Y	-	QEID-44-95
EF 4	L U0	Exhaust Air	40,000	2.0	29.1	Mixed Flow	Direct	Cent.	-	870	1	-	-	-	30	3	480	Y	-	QEID-44-95
EF 5	Level 1 Wilson Street	Exhaust Air	37,000	2.0	34.0	Utility Set	Direct	Cent.	-	1257	1	-	-	-	40	3	480	Y	-	CSW-40-AF
EF 6	Level 1 Wilson Street	Exhaust Air	200	1.3	0.3	Centrifugal	Direct	Cent.	-	1965	1	-	-	-	0.5	1	120	N	-	SQ-97-VG
EF 7	L U2	Exhaust Air	75	0.8	0.2	Centrifugal	Direct	Cent.	-	1050	1	-	-	-	0.18	1	120	N	-	SP-B-150
EF 8	L U2	Exhaust Air	200	1.3	0.3	Centrifugal	Direct	Cent.	-	1965	1	-	-	-	0.5	1	120	N	-	SQ-97-VG

UNIT HEATERS

MARK UH	LOCATION	TYPE	MOUNTING	AIR CFM	LAT (°F)	GAS INPUT MBH	OUTPUT MBH	THERMAL EFF. %	ELEC. INPUT KW	MOTOR HP	PH	VOLT	ELECTRICAL SCCR (MIN)	REMARKS ELECTRIC BASED ON TRANE GAS BASED ON REZNOR
1	L1 GENERATOR RM	Gas	WALL HUNG	5123	105	400	33.2	83		0.5	1	208	-	UDAP 400
2	L1 GENERATOR RM	Gas	WALL HUNG	629	105	400	33.2	83		0.5	1	208	-	UDAP 400
3	L U4 DRY VALVE	Elect.	WALL HUNG		95				3		1	208	-	UHWA. INTEGRAL T-STAT. SEMI RECESSED
4	L U2 WC	Elect.	RECESSED		95				3	-	1	208	-	UHAA. INTEGRAL T-STAT
6	L U2 WORKSHOP	Gas	WALL HUNG	629	105	45	37.3	83		0.05	1	115	-	UDAP 45
7	L 1 DRY VALVE	Elect.	WALL HUNG		95				3		1	208	-	UHWA. INTEGRAL T-STAT. SEMI RECESSED
8	L U0 DRY VALVE	Elect.	WALL HUNG		95				3		1	208	-	UHWA. INTEGRAL T-STAT. SEMI RECESSED
9	L U1 DRY VALVE	Elect.	WALL HUNG		95				3		1	208	-	UHWA. INTEGRAL T-STAT. SEMI RECESSED
10	L U1 DRY VALVE	Elect.	WALL HUNG		95				3		1	208	-	UHWA. INTEGRAL T-STAT. SEMI RECESSED
11	L U2 DRY VALVE	Elect.	WALL HUNG		95				3		1	208	-	UHWA. INTEGRAL T-STAT. SEMI RECESSED
12	L U2 DRY VALVE	Elect.	WALL HUNG		95				3		1	208	-	UHWA. INTEGRAL T-STAT. SEMI RECESSED
13	L U3 DRY VALVE	Elect.	WALL HUNG		95				3		1	208	-	UHWA. INTEGRAL T-STAT. SEMI RECESSED
14	L U3 DRY VALVE	Elect.	WALL HUNG		95				3		1	208	-	UHWA. INTEGRAL T-STAT. SEMI RECESSED
15	L U4 DRY VALVE	Elect.	WALL HUNG		95				3		1	208	-	UHWA. INTEGRAL T-STAT. SEMI RECESSED

8

GAS FIRED RADIANT HEATING

MARK GRH	LOCATION	INPUT (MBH)	OUTPUT (MBH)	TUBE LENGTH FT	TUBE ANGLE	HP	VOLT	PHASE	AMP	BURNER #	REMARKS
1	L1 DOTY STREET ENTRY	250	200	90	30	0.1	120	1	15	1	Coraywac - CTF-250
2	L1 DOTY STREET ENTRY	175	140	60	30	0.1	120	1	15	1	Coraywac - CTH2-175
3	L1 WILSON STREET ENTRY	250	200	90	30	0.1	120	1	15	1	Coraywac - CTF-250
4	L1 WILSON STREET ENTRY	250	200	90	30	0.1	120	1	15	1	Coraywac - CTF-250

6

PUMPS

MARK P	LOCATION	SERVICE	CAP. (GPM)	HEAD (FT)	FLUID TYPE	SIZE (IN) SUCT.	SIZE (IN) DISCH.	MOTOR HP	MOTOR VOLT	MOTOR PH	CONTROLLER VFD (Y/N)	CONTROLLER NEMA ENCLOSURE TYPE	CONTROLLER SCCR (MIN)	REMARKS BASED ON BELL & GOSSETT
1	L U0	Cond.	0.5	14	Water	0.95	0.95	0.1	115	1	N	-	-	LS Condensate Removal Pump
2	L U0	Cond.	0.5	14	Water	0.95	0.95	0.1	115	1	N	-	-	LS Condensate Removal Pump
3	L1	Cond.	0.5	14	Water	0.95	0.95	0.1	115	1	N	-	-	LS Condensate Removal Pump
4	L U4	Cond.	0.5	14	Water	0.95	0.95	0.1	115	1	N	-	-	LS Condensate Removal Pump
5	L U4	Cond.	0.5	14	Water	0.95	0.95	0.1	115	1	N	-	-	LS Condensate Removal Pump

AIR COOLED CONDENSERS

MARK ACC	SERVICE	TYPE	HEAT REJECTION (TONS)	MAX. AMBIENT (°F)	MIN. AMBIENT (°F)	MAX. COND. TEMP. (°F)	REF. TYPE	VOLT	PHASE	AMP	SCCR (MIN)	REMARKS BASED ON LENNOX
1	FCU-1 & 11 (L 1 Garage Office)	Heat Pump Outdoor Unit	3	95/75	-15	80/67	R-410A	208	1	35	-	MLA036S4M-1P. LOW AMBIENT
2	FCU-2 (L 1 Emergency Electrical)	Heat Pump Outdoor Unit	2	95/75	-15	80/67	R-410A	208	1	18	-	MPA0245M-1P
3	FCU-3 (L U0 Switch Gear)	Heat Pump Outdoor Unit	1.5	95/75	-15	80/67	R-410A	208	1	15	-	MPA0185M-1P
4	FCU-4 (L U0 Netpop)	Heat Pump Outdoor Unit	1	95/75	-15	80/67	R-410A	208	1	15	-	MPA0125M-1P
5	FCU-5 (L U2 Workshop)	Heat Pump Outdoor Unit	3	95/75	-15	80/67	R-410A	208	1	35	-	MLA036S4M-1P. LOW AMBIENT
6	FCU-6 (L U2 Sweeper)	Heat Pump Outdoor Unit	3	95/75	-15	80/67	R-410A	208	1	35	-	MLA036S4M-1P. LOW AMBIENT
7	FCU-7 (L U3 Elec)	Heat Pump Outdoor Unit	1	95/75	-15	80/67	R-410A	208	1	15	-	MPA0125M-1P
8	FCU-8 (L 4 Machine Room)	Heat Pump Outdoor Unit	1	95/75	-15	80/67	R-410A	208	1	15	-	MPA0125M-1P
9	FCU-9 (L 4 Machine Room)	Heat Pump Outdoor Unit	1	95/75	-15	80/67	R-410A	208	1	15	-	MPA0125M-1P
10	FCU-10 (L U1 Elec)	Heat Pump Outdoor Unit	1.5	95/75	-15	80/67	R-410A	208	1	15	-	MPA0185M-1P
11	FCU-12 (L U0 Fire Pump Room)	Heat Pump Outdoor Unit	3	95/75	-15	80/67	R-410A	208	1	35	-	MLA036S4M-1P. LOW AMBIENT

FURNACE

MARK FH	LEVEL	LOCATION	SERVICE	FAN CHARACTERISTICS CFM	MIN. OA	ESP ("WG) (1)	MOTOR HP	MOTOR PH	MOTOR VOLT	MOTOR VFD	ELECTRICAL SCCR (MIN)	VOLUME CONTROL DAMPER	GAS FIRED HEATER EAT (°F)	LAT (°F)	CAPACITY (MBH)	GAS INPUT BTUH	REMARKS
1	P1_T/ SLAB LEVEL 1 @ WILSON	CORRIDOR CEILING VOID	GARAGE OFFICE	2,340	200	0.50	0.75	1	208	N	-	Y	41	95	92.2	97000.0 Btu/h	

IMPULSE FANS

MARK IF	LOCATION	SERVICE	NORMAL OPERATION CFM	SP ("WG)	BHP	FAN TYPE	MAX RPM	FAN CLASS	DAMPER	INTERLOCK	MOTOR HP	PH	VOLT	VFD	ELECTRICAL SCCR (MIN)	REMARKS BASED ON GREENHECK
1	Level U4	SA Movement	4275 / 2138	0.1	1.48	Airfoil Propeller	1770	1	N	N	1.5	3	480	N	-	GJ-AU335/E, 2 speed
2	Level U4	SA Movement	4276 / 2138	0.1	1.48	Airfoil Propeller	1770	1	N	N	1.5	3	480	N	-	GJ-AU335/E, 2 speed
3	Level U4	SA Movement	4277 / 2138	0.1	1.48	Airfoil Propeller	1770	1	N	N	1.5	3	480	N	-	GJ-AU335/E, 2 speed
4	Level U4	SA Movement	4278 / 2138	0.1	1.48	Airfoil Propeller	1770	1	N	N	1.5	3	480	N	-	GJ-AU335/E, 2 speed
5	Level U4	SA Movement	4279 / 2138	0.1	1.48	Airfoil Propeller	1770	1	N	N	1.5	3	480	N	-	GJ-AU335/E, 2 speed
6	Level U4	SA Movement	4280 / 2138	0.1	1.48	Airfoil Propeller	1770	1	N	N	1.5	3	480	N	-	GJ-AU335/E, 2 speed
7	Level U4	SA Movement	4281 / 2138	0.1	1.48	Airfoil Propeller	1770	1	N	N	1.5	3	480	N	-	GJ-AU335/E, 2 speed
8	Level U4	SA Movement	4282 / 2138	0.1	1.48	Airfoil Propeller	1770	1	N	N	1.5	3	480	N	-	GJ-AU335/E, 2 speed
9	Level U4	SA Movement	4283 / 2138	0.1	1.48	Airfoil Propeller	1770	1	N	N	1.5	3	480	N	-	GJ-AU335/E, 2 speed
10	Level U3	SA Movement	4284 / 2138	0.1	1.48	Airfoil Propeller	1770	1	N	N	1.5	3	480	N	-	GJ-AU335/E, 2 speed
11	Level U3	SA Movement	4285 / 2138	0.1	1.48	Airfoil Propeller	1770	1	N	N	1.5	3	480	N	-	GJ-AU335/E, 2 speed
12	Level U3	SA Movement	4286 / 2138	0.1	1.48	Airfoil Propeller	1770	1	N	N	1.5	3	480	N	-	GJ-AU335/E, 2 speed
13	Level U3	SA Movement	4287 / 2138	0.1	1.48	Airfoil Propeller	1770	1	N	N	1.5	3	480	N	-	GJ-AU335/E, 2 speed
14	Level U3	SA Movement	4288 / 2138	0.1	1.48	Airfoil Propeller	1770	1	N	N	1.5	3	480	N	-	GJ-AU335/E, 2 speed
15	Level U3	SA Movement	4289 / 2138	0.1	1.48	Airfoil Propeller	1770	1	N	N	1.5	3	480	N	-	GJ-AU335/E, 2 speed
16	Level U3	SA Movement	4290 / 2138	0.1	1.48	Airfoil Propeller	1770	1	N	N	1.5	3	480	N	-	GJ-AU335/E, 2 speed
17	Level U3	SA Movement	4291 / 2138	0.1	1.48	Airfoil Propeller	1770	1	N	N	1.5	3	480	N	-	GJ-AU335/E, 2 speed
18	Level U3	SA Movement	4292 / 2138	0.1	1.48	Airfoil Propeller	1770	1	N	N	1.5	3	480	N	-	GJ-AU335/E, 2 speed
19	Level U2	SA Movement	4293 / 2138	0.1	1.48	Airfoil Propeller	1770	1	N	N	1.5	3	480	N	-	GJ-AU335/E, 2 speed
20	Level U2	SA Movement	4294 / 2138	0.1	1.48	Airfoil Propeller	1770	1	N	N	1.5	3	480	N	-	GJ-AU335/E, 2 speed
21	Level U2	SA Movement	4295 / 2138	0.1	1.48	Airfoil Propeller	1770	1	N	N	1.5	3	480	N	-	GJ-AU335/E, 2 speed
22	Level U2	SA Movement	4296 / 2138	0.1	1.48	Airfoil Propeller	1770	1	N	N	1.5	3	480	N	-	GJ-AU335/E, 2 speed
23	Level U2	SA Movement	4297 / 2138	0.1	1.48	Airfoil Propeller	1770	1	N	N	1.5	3	480	N	-	GJ-AU335/E, 2 speed
24	Level U2	SA Movement	4298 / 2138	0.1	1.48	Airfoil Propeller	1770	1	N	N	1.5	3	480	N	-	GJ-AU335/E, 2 speed
25	Level U2	SA Movement	4299 / 2138	0.1	1.48	Airfoil Propeller	1770	1	N	N	1.5	3	480	N	-	GJ-AU335/E, 2 speed
26	Level U2	SA Movement	4300 / 2138	0.1	1.48	Airfoil Propeller	1770	1	N	N	1.5	3	480	N	-	GJ-AU335/E, 2 speed
27	Level U2	SA Movement	4301 / 2138	0.1	1.48	Airfoil Propeller	1770	1	N	N	1.5	3	480	N	-	GJ-AU335/E, 2 speed
28	Level U1	SA Movement	4302 / 2138	0.1	1.48	Airfoil Propeller	1770	1	N	N	1.5	3	480	N	-	GJ-AU335/E, 2 speed
29	Level U1	SA Movement	4303 / 2138	0.1	1.48	Airfoil Propeller	1770	1	N	N	1.5	3	480	N	-	GJ-AU335/E, 2 speed
30	Level U1	SA Movement	4304 / 2138	0.1	1.48	Airfoil Propeller	1770	1	N	N	1.5	3	480	N	-	GJ-AU335/E, 2 speed
31	Level U1	SA Movement	4305 / 2138	0.1	1.48	Airfoil Propeller	1770	1	N	N	1.5	3	480	N	-	GJ-AU335/E, 2 speed
32	Level U1	SA Movement	4306 / 2138	0.1	1.48	Airfoil Propeller	1770	1	N	N	1.5	3	480	N	-	GJ-AU335/E, 2 speed
33	Level U1	SA Movement	4307 / 2138	0.1	1.48	Airfoil Propeller	1770	1	N	N	1.5	3	480	N	-	GJ-AU335/E, 2 speed
34	Level U1	SA Movement	4308 / 2138	0.1	1.48	Airfoil Propeller	1770	1	N	N	1.5	3	480	N	-	GJ-AU335/E, 2 speed
35	Level U1	SA Movement	4309 / 2138	0.1	1.48	Airfoil Propeller	1770	1	N	N	1.5	3	480	N	-	GJ-AU335/E, 2 speed
36	Level U1	SA Movement	4310 / 2138	0.1	1.48	Airfoil Propeller	1770	1	N	N	1.5	3	480	N	-	GJ-AU335/E, 2 speed
37	Level U1	SA Movement	4311 / 2138	0.1	1.48	Airfoil Propeller	1770	1	N	N	1.5	3	480	N	-	GJ-AU335/E, 2 speed
38	Level U1	SA Movement	4312 / 2138	0.1	1.48	Airfoil Propeller	1770	1	N	N	1.5	3	480	N	-	GJ-AU335/E, 2 speed
39	Level U0	SA Movement	4313 / 2138	0.1	1.48	Airfoil Propeller	1770	1	N	N	1.5	3	480	N	-	GJ-AU335/E, 2 speed
40	Level U0	SA Movement	4314 / 2138	0.1	1.48	Airfoil Propeller	1770	1	N	N	1.5	3	480	N	-	GJ-AU335/E, 2 speed
41	Level U0	SA Movement	4315 / 2138	0.1	1.48	Airfoil Propeller	1770	1	N	N	1.5	3	480	N	-	GJ-AU335/E, 2 speed
42	Level U0	SA Movement	4316 / 2138	0.1	1.48	Airfoil Propeller	1770	1	N	N	1.5	3	480	N	-	GJ-AU335/E, 2 speed
43	Level U0	SA Movement	4317 / 2138	0.1	1.48	Airfoil Propeller	1770	1	N	N	1.5	3	480	N	-	GJ-AU335/E, 2 speed
44	Level U0	SA Movement	4318 / 2138	0.1	1.48	Airfoil Propeller	1770	1	N	N	1.5	3	480	N	-	GJ-AU335/E, 2 speed
45	Level U0	SA Movement	4319 / 2138	0.1	1.48	Airfoil Propeller	1770	1	N	N	1.5	3	480	N	-	GJ-AU335/E, 2 speed
46	Level U0	SA Movement	4320 / 2138	0.1	1.48	Airfoil Propeller	1770	1	N	N	1.5	3	480	N	-	GJ-AU335/E, 2 speed
47	Level U0	SA Movement	4321 / 2138	0.1	1.48	Airfoil Propeller	1770	1	N	N	1.5	3	480	N	-	GJ-AU335/E, 2 speed
48	Level U0	SA Movement	4322 / 2138	0.1	1.48	Airfoil Propeller	1770	1	N	N	1.5	3	480	N	-	GJ-AU335/E, 2 speed

EXPANSION JOINTS

MARK	SERVICE	EXHAUST STACK LENGTH (FT.)	STACK PIPE DIAMETER (INCHES)	GAS TEMP. (F.)	AMBIENT (F).	EXPANSION (INCHES)	ORIENTATION
1	GENERATOR	15	14	989	-15	0.6	HORIZONTAL
2	GENERATOR	35	14	989	-15	1.3	HORIZONTAL
3	GENERATOR	25	14	989	-15	1.0	VERTICAL
4	GENERATOR	25	14	989	-15	1.0 (2)	VERTICAL

NOTES:
(1). DIMENSIONS, PIPE LENTH, GAS TEMPERATURE AND EXPANSION TO BE COORDINATED WITH FINAL GENERATOR SELECTION.
(2) VERTICAL STACK LENGTH INCLUDES PHASE 2 BUILD OUT. ADDITIONAL INTERMEDIATE ANCHOR REQUIRED.
(3) ANCHOR POINTS TO BE COORDINATED WITH STRUCTURAL.

DIFFUSERS, REGISTERS, AND GRILLES

MARK	SERVICE	CFM RANGE	NECK SIZE (IN)	FACE SIZE (IN)	FACE TYPE	PATTERN	FINISH	MATERIAL	MOUNTING SURFACE	REMARKS
CD-1	SUPPLY	585	14	24x24	PERF	4-WAY	(2)	AL	LAY IN	TITUS PAS
CD-2	SUPPLY	485	12	24x24	PERF	4-WAY	(2)	AL	LAY IN	TITUS PAS
G-1	RETURN	1170	18x18	24x24	PERF	NONE	(2)	AL	LAY IN	TITUS PAR
G-2	RETURN	485	12X12	24x24	PERF	NONE	(2)	AL	LAY IN	TITUS PAR
G-3	SUPPLY	910	32x12	32x12	BLADE	2-WAY ADJ	(2)	AL	DUCT	TITUS 300FS
G-4	SUPPLY	735	32x8	32x8	BLADE	2-WAY ADJ	(2)	AL	DUCT	TITUS 300FS
G-5	SUPPLY	75	10x10	10x10	BLADE	2-WAY ADJ	(2)	AL	DUCT	TITUS 300FS
L-1	SUPPLY	20,000	72X96	72X96	BLADE	HORIZ.	(2)	GALV.	DUCT	AIROLITE CBG100
L-2	EXHAUST	20,000	72X96	72X96	BLADE	HORIZ.	(2)	GALV.	DUCT	AIROLITE CBG100
L-3	SUPPLY	16,000	46X96	46X96	BLADE	HORIZ.	(2)	GALV.	DUCT	AIROLITE CBG100
L-4	EXHAUST	16,000	60X96	46X96	BLADE	HORIZ.	(2)	GALV.	DUCT	AIROLITE CBG100
L-5	SUPPLY	16,000	60X96	46X96	BLADE	HORIZ.	(2)	GALV.	DUCT	AIROLITE CBG100

FAN COIL UNITS

MARK FCU	LOCATION	TYPE	FAN CHARCTERISTICS NOM. CFM	VOLT	PH	COOLING T	COOLING (BTUH)	HEATING (BTUH)	REF. TYPE	SCCR (MIN)	REMARKS BASED ON LENNOX
1	L 1 Garage Breakroom	Heat Pump Indoor Unit	485	208	1	1.3	16000	18000	R -410 A	-	MMDA018S4-1P. INTEGRAL CONDENDATE PUMP
2	L 1 Emergency Electrical	Heat Pump Indoor Unit	910	208	1	3.0	36000	38000	R -410 A	-	MMDA036S4-1P
3	L U0 Switch Gear	Heat Pump Indoor Unit	485	208	1	1.5	17500	18000	R -410 A	-	MMDA018S4-1P
4	L U0 Netpop	Heat Pump Indoor Unit	485	208	1	1.0	12000	12000	R -410 A	-	MMDA012S4-1P
5	L U2 Workshop	Heat Pump Indoor Unit	910	208	1	3.0	36000	38000	R -410 A	-	MMDA036S4-1P. INTEGRAL CONDENDATE PUMP
6	L U2 Sweeper	Heat Pump Indoor Unit	910	208	1	3.0	36000	38000	R -410 A	-	MMDA036S4-1P. INTEGRAL CONDENDATE PUMP
7	L U3 Elec	Heat Pump Indoor Unit	485	208	1	1.0	12000	12000	R -410 A	-	MMDA012S4-1P
8	L U4 Machine Room	Heat Pump Indoor Unit	485	208	1	1.5	17500	11800	R -410 A	-	MMDA018S4-1P
9	L U4 Machine Room	Heat Pump Indoor Unit	485	208	1	1.5	17500	11800	R -410 A	-	MMDA018S4-1P
10	L U1 Elec	Heat Pump Indoor Unit	485	208	1	1.5	17500	11800	R -410 A	-	MMDA018S4-1P
11	L 1 Garage Office	Heat Pump Indoor Unit	485	208	1	1.3	16000	18000	R -410 A	-	MMDA018S4-1P. INTEGRAL CONDENDATE PUMP
12	L U0 Fire pump room	Heat Pump Indoor Unit	910	208	1	3.0	36000	38000	R -410 A	-	MMDA036S4-1P. INTEGRAL CONDENDATE PUMP

VARIABLE FREQUENCY DRIVES

MARK VFD	LOCATION	SYSTEM	HORSEPOWER	SCCR	INPUT ELECTRICAL CHARACTERISTICS VOLT	FREQUENCY	PHASE	ENCLOSURE TYPE	BYPASS STARTER	REMARKS
S-1	L U0	SUPPLY	30	42	460	60	3	NEMA 4	Y	
S-2	L U0	SUPPLY	30	42	460	60	3	NEMA 4	Y	
S-3	L U1	SUPPLY	30	42	460	60	3	NEMA 4	Y	
S-4	L U1	SUPPLY	30	42	460	60	3	NEMA 4	Y	
S-5	LEVEL 1 WILSON	SUPPLY	40	42	460	60	3	NEMA 4	Y	
E-1	L U0	EXHAUST	30	42	460	60	3	NEMA 4	Y	
E-2	L U0	EXHAUST	30	42	460	60	3	NEMA 4	Y	
E-3	L U1	EXHAUST	30	42	460	60	3	NEMA 4	Y	
E-4	L U1	EXHAUST	30	42	460	60	3	NEMA 4	Y	
E-5	LEVEL 1 WILSON	EXHAUST	40	42	460	60	3	NEMA 4	Y	

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TRUE NORTH
PROJECT NORTH

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General Notes

No.	Description	Date
8	FINAL BULLETIN #6	09/14/2018
7	BID DOCUMENTS	09/07/2017
6	ADDENDUM #3	08/02/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

NEW MUNICIPAL PARKING FACILITY

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE

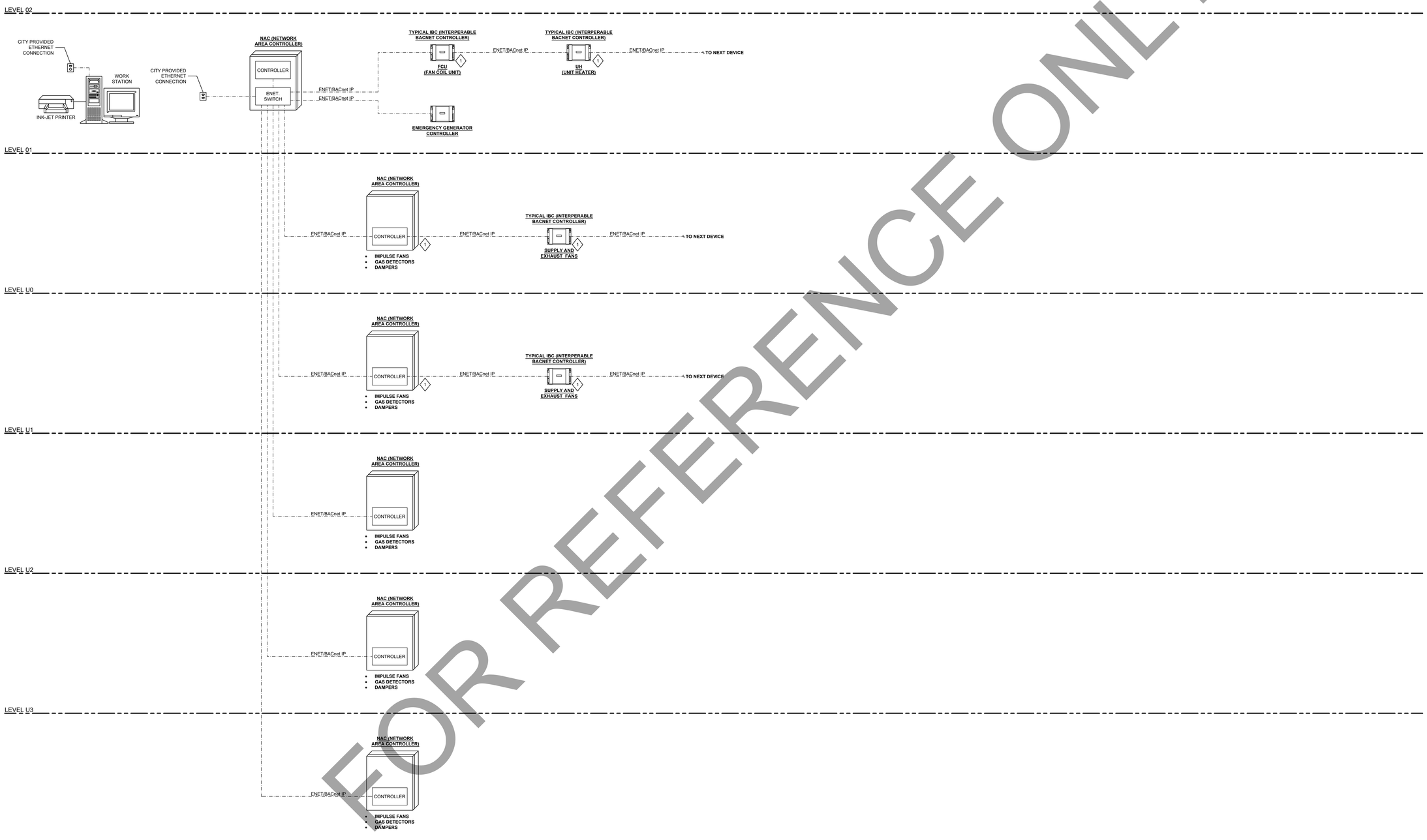
Drawing Title

MECHANICAL SCHEDULES

Drawn	Date
JH	9/12/2018 2:37:30 PM
Checked By	**Drawing Number**
GG	
Approved	
SE	M-600
Job Number	
215-1051	

SHEET NOTES

1. PROVIDE SWITCH TO EXTEND SIGNAL OR HOME RUN CABLE.



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5	BID DOCUMENTS	09/07/2017
4	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
3	ISSUED FOR FINAL BID	06/23/2017
2	ISSUED FOR BID	06/16/2017
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AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

SYSTEM ARCHITECTURE

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AEI

Job Number
215-1051

M-700

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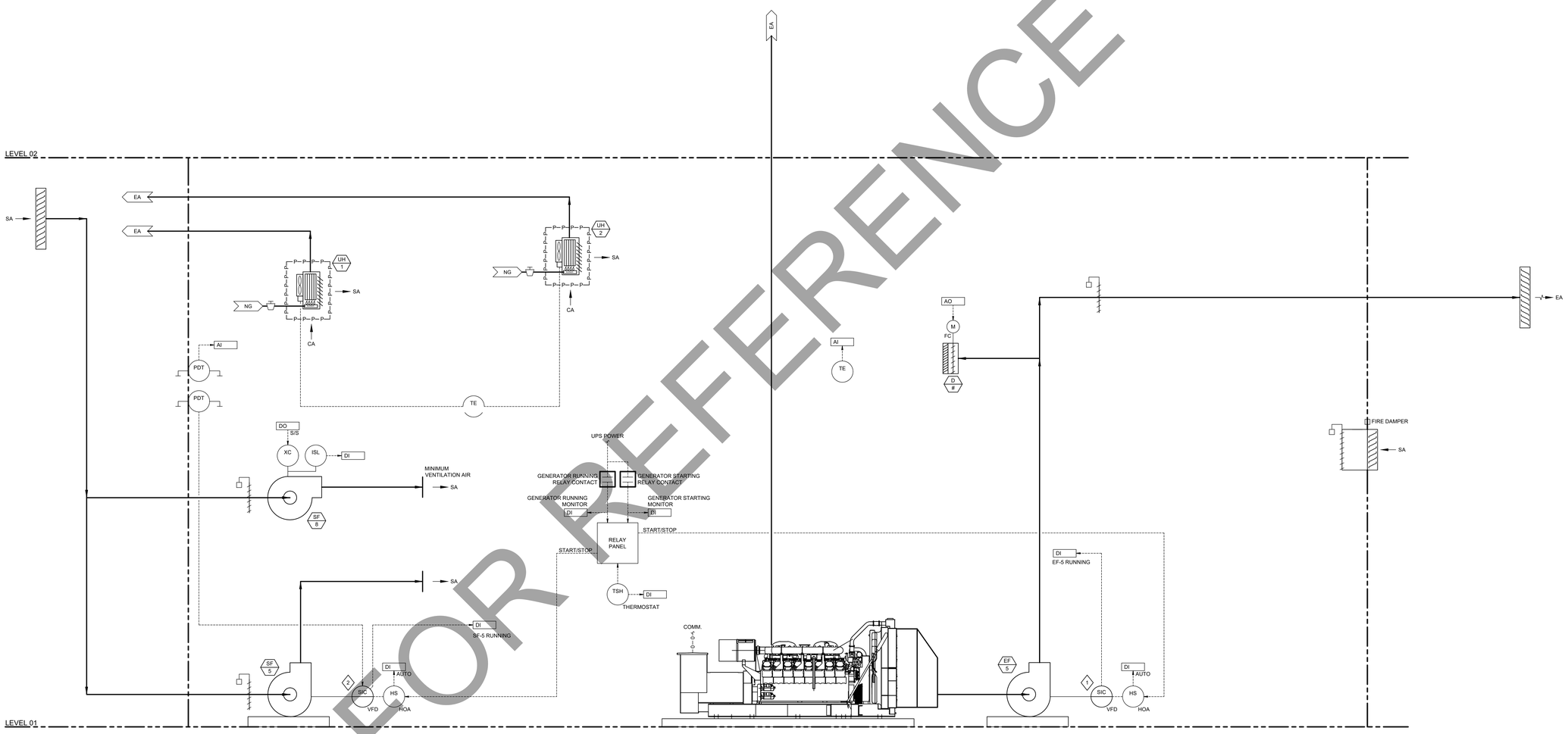
GENERAL NOTES

1. ALL CONTROLS ASSOCIATED WITH EMERGENCY GENERATOR TO BE ON UPS.

SHEET NOTES

1. TAB CONTRACTOR TO SET SPEED.
2. CONFIGURE VFD TO CONTROL PRESSURE BY RAMPING SUPPLY FAN FROM MINIMUM CFM TO MAXIMUM CFM USING VFD PID LOOP.



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HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

EMERGENCY GENERATOR ROOM AIR FLOW DIAGRAM

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Job Number
215-1051

M-701

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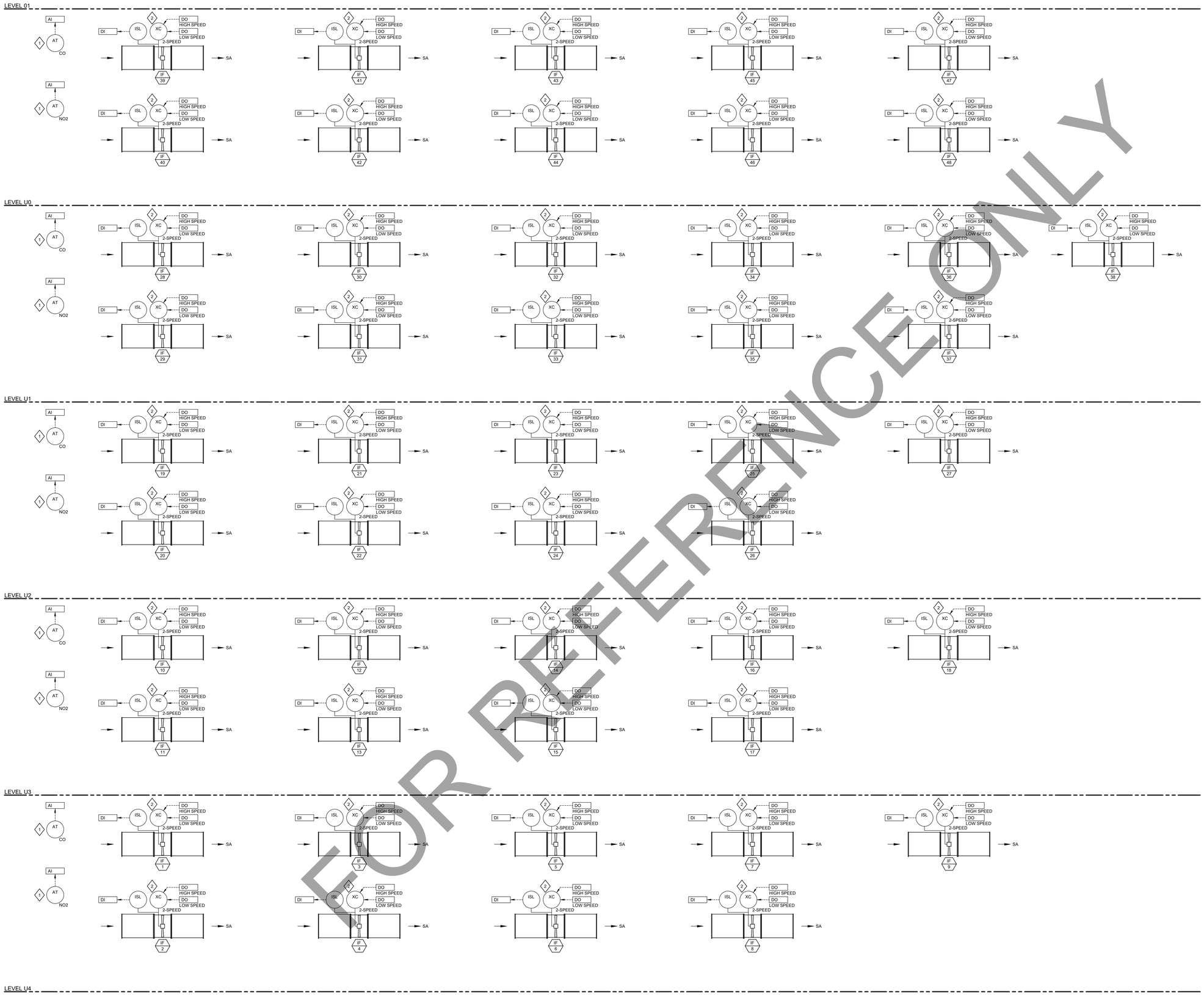
SHEET NOTES

1. SEE MECHANICAL PLAN DRAWINGS FOR QUANTITIES.
2. LOW SPEED AND HIGH SPEED SIGNALS FOR ALL IMPULSE FANS ON A LEVEL CAN RUN OFF COMMON OUTPUT POINTS USING INTERPOSING RELAYS. SMOKE DETECTOR CONTACT SHALL BE WIRED IN SERIES WITH START SIGNALS.



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5	BID DOCUMENTS	09/07/2017
4	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
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HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

IMPULSE FANS AIR FLOW DIAGRAM

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215-1051

M-702

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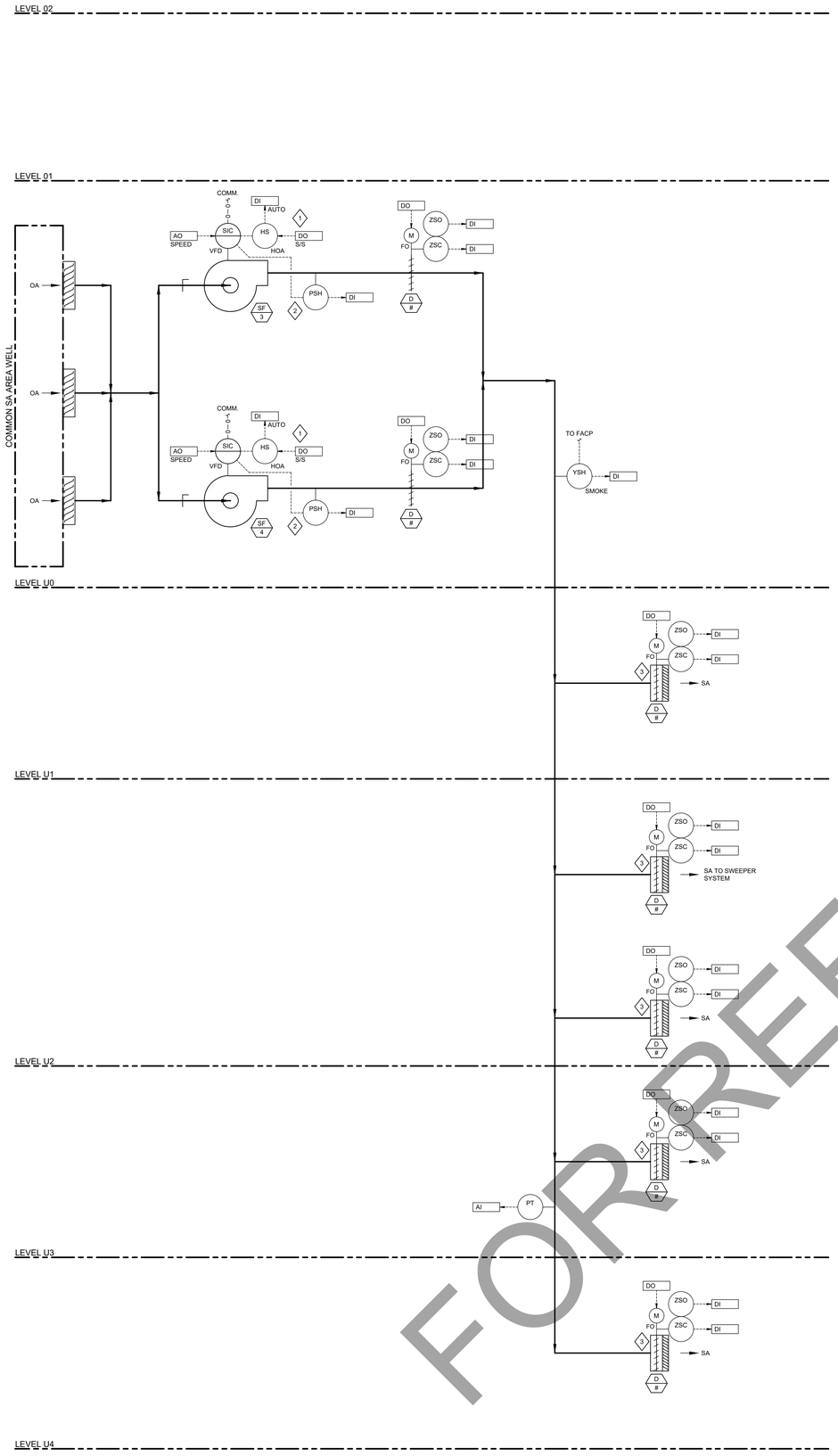
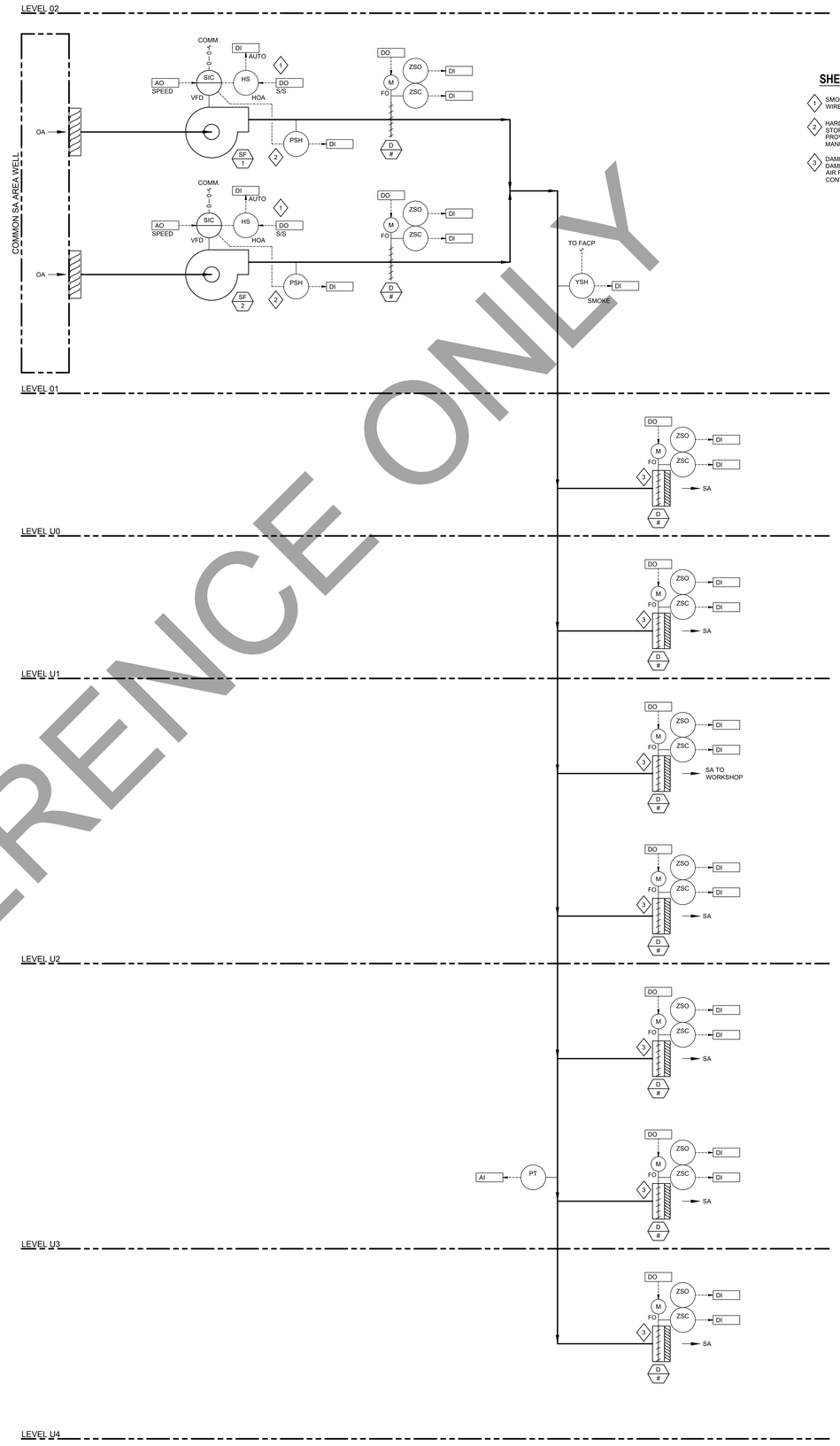


2 **SUPPLY AIR FLOW DIAGRAM - SF-3 AND SF-4**
SCALE: NOT TO SCALE



1 **SUPPLY AIR FLOW DIAGRAM - SF-1 AND SF-2**
SCALE: NOT TO SCALE

SHEET NOTES

1. SMOKE DETECTOR CONTACT SHALL BE WIRED IN SERIES WITH START COMMAND.
2. HARDWIRE HIGH PRESSURE SWITCH TO STOP VFD ON HIGH PRESSURE EVENT. PROVIDE PRESSURE SWITCH WITH MANUAL RESET.
3. DAMPERS DO NOT CLOSE COMPLETELY. DAMPERS HAVE A MINIMUM AND MAXIMUM AIR FLOW POSITION SET BY BALANCING CONTRACTOR.

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5	BID DOCUMENTS	09/07/2017
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CIVIL ENGINEERS:
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SUPPLY AIR FLOW DIAGRAMS

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215-1051

M-703

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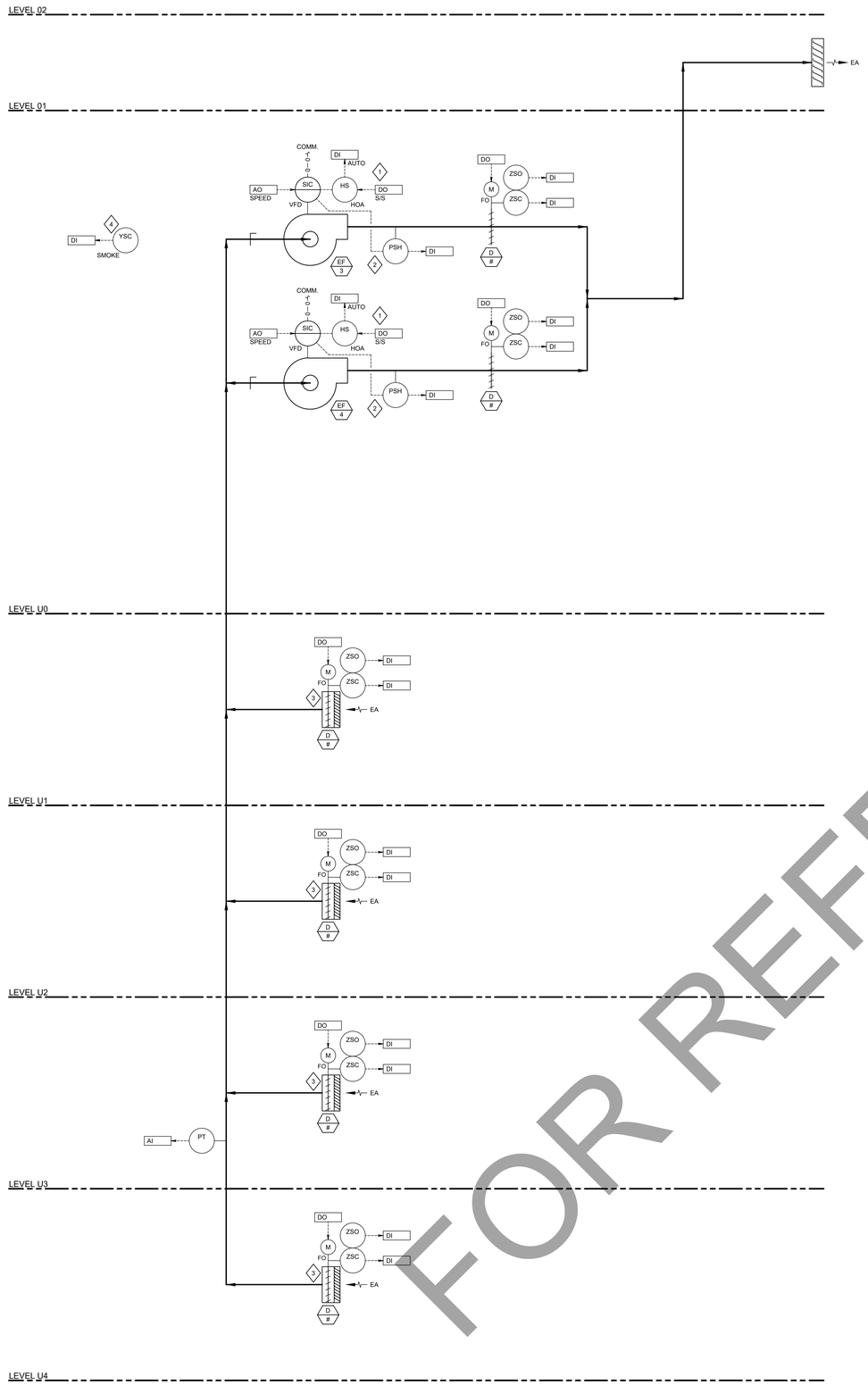
SHEET NOTES

1. SMOKE DETECTOR CONTACT SHALL BE WIRED IN SERIES WITH START COMMAND.
2. HARDWIRE HIGH PRESSURE SWITCH TO STOP VFD ON HIGH PRESSURE EVENT. PROVIDE PRESSURE SWITCH WITH MANUAL RESET.
3. DAMPERS DO NOT CLOSE COMPLETELY. DAMPERS HAVE A MINIMUM AND MAXIMUM AIR FLOW POSITION SET BY BALANCING CONTRACTOR.
4. SMOKE DETECTION SYSTEM AUXILIARY CONTACTS TO SHUTDOWN EXHAUST FANS.



2 **EXHAUST AIR FLOW DIAGRAM - EF-3 AND EF-4**
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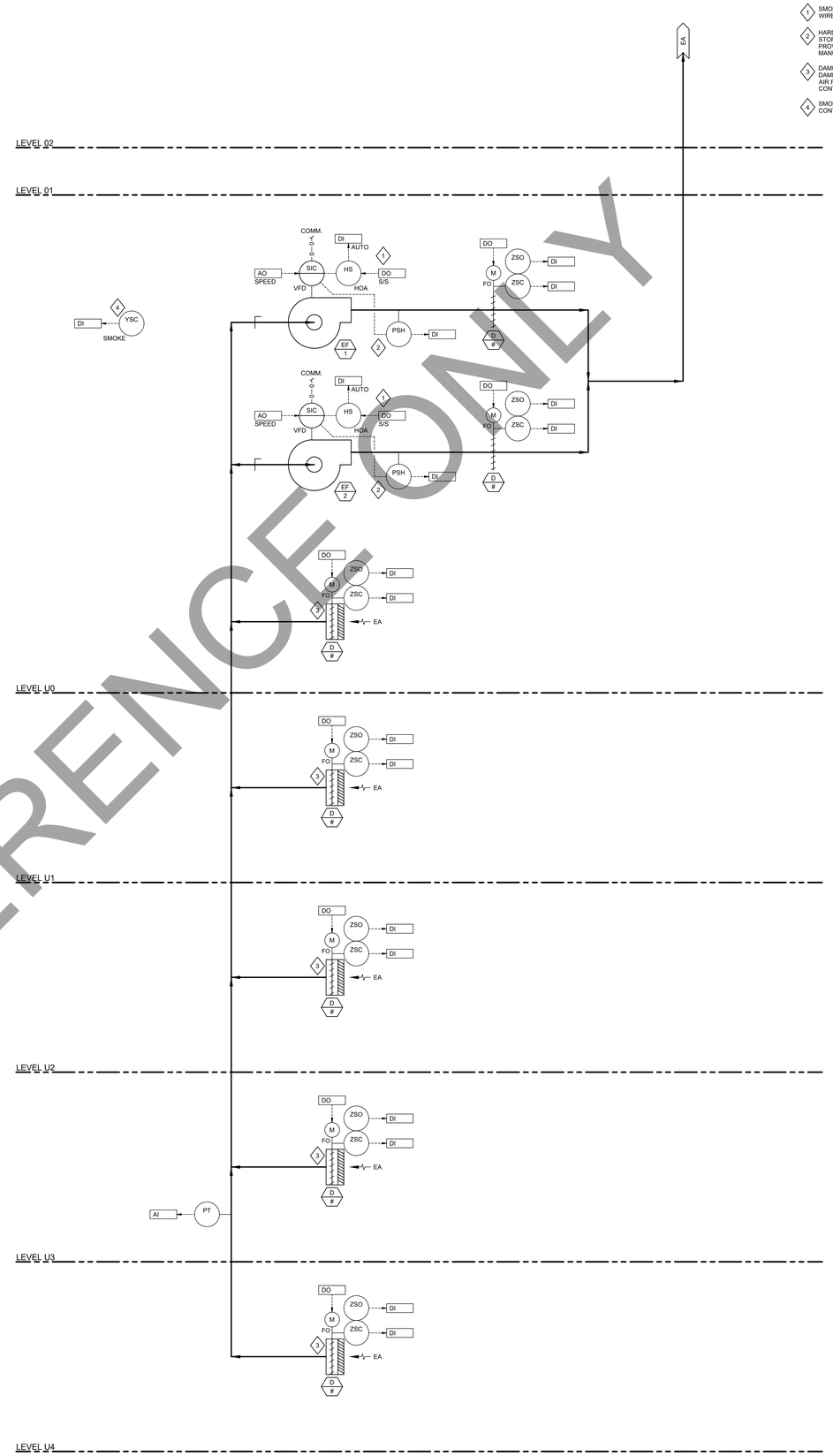

1 **EXHAUST AIR FLOW DIAGRAM - EF-1 AND EF-2**
SCALE: NOT TO SCALE

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5	BID DOCUMENTS	09/07/2017
4	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
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CIVIL ENGINEERS:
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EXHAUST AIR FLOW DIAGRAM

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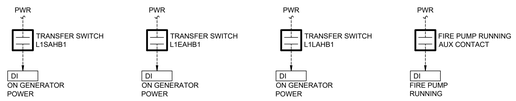
SHEET NOTES

1. COORDINATE LEVEL SIGNAL AND POWER BETWEEN DAY TANK AND LEVEL INDICATION/FILL SHUTOFF.
2. COORDINATE QUANTITY OF START/STOP SIGNALS WITH CONDENSER MANUFACTURER.
3. SMOKE DETECTOR CONTACT SHALL BE WIRED IN SERIES WITH START COMMAND.
4. REQUIRED FOR WORKSHOP.
5. LOW SPEED AND HIGH SPEED SIGNALS FOR ALL IMPULSE FANS ON A LEVEL CAN RUN OFF COMMON OUTPUT POINTS USING INTERPOSING RELAYS. SMOKE DETECTOR CONTACT SHALL BE WIRED IN SERIES WITH START SIGNALS.
6. REFER TO SNOW MELT SPECIFICATION FOR PACKAGED SENSING SYSTEM AND CONTROLLER TO ACTIVATE HEATERS



7 TRANSFER SWITCHES AND FIRE PUMP
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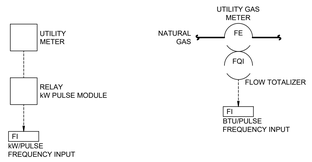

8 UTILITY METERS
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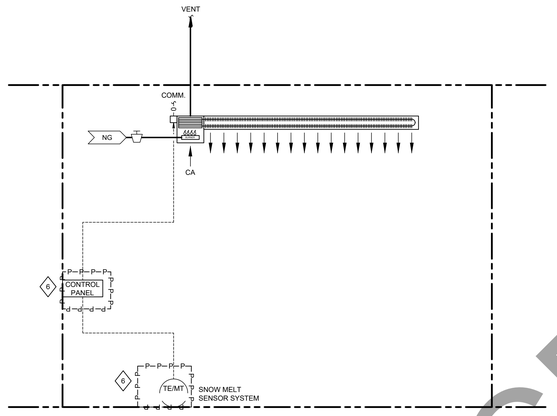

4 GAS RADIANT HEATERS
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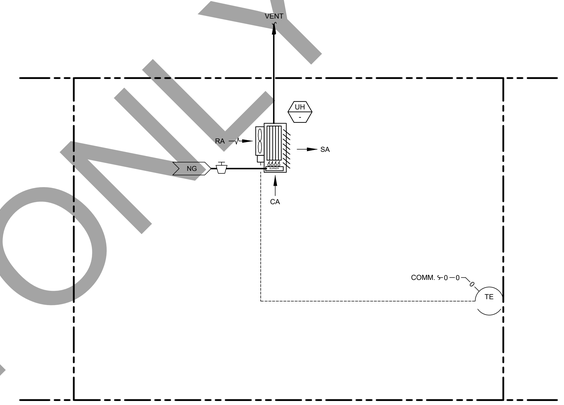
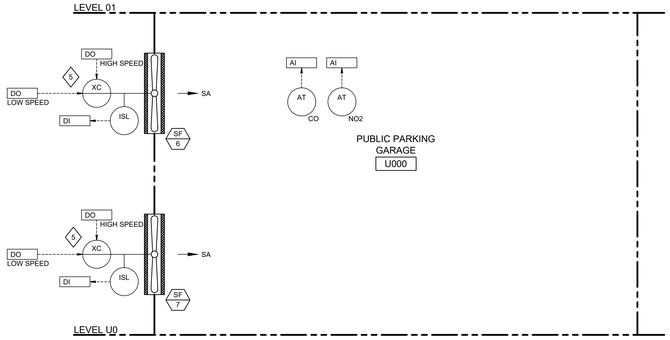


1 UNIT HEATER - GAS
SCALE: NOT TO SCALE



9 AIR FLOW DIAGRAM - SF-6 AND SF-7
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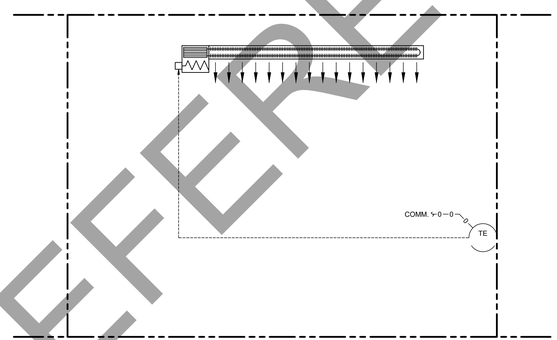
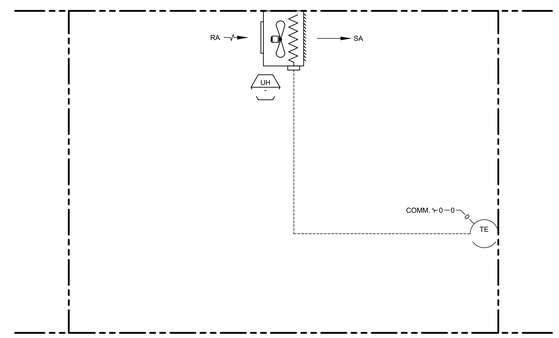
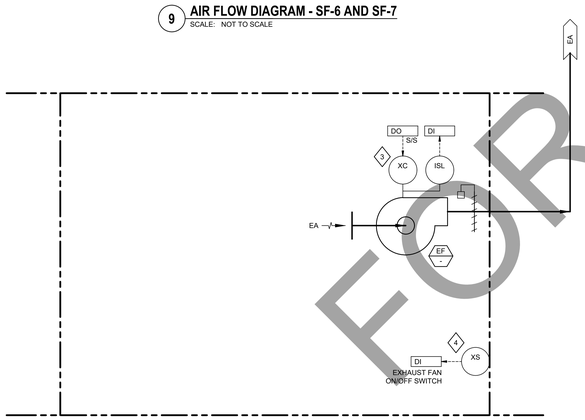


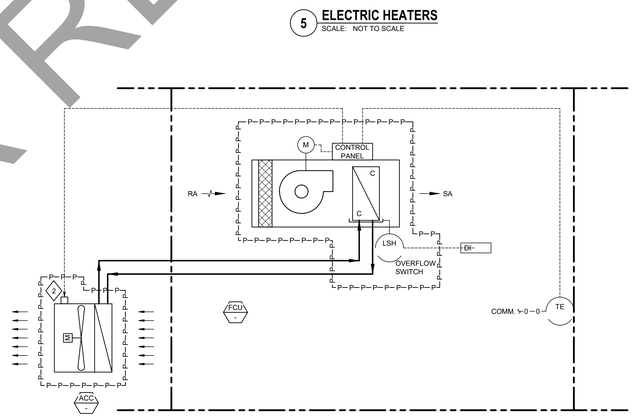
5 ELECTRIC HEATERS
SCALE: NOT TO SCALE



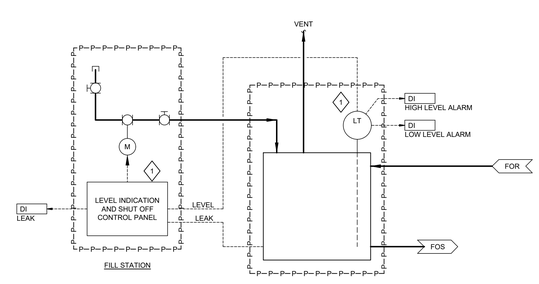
2 UNIT HEATER - ELECTRIC
SCALE: NOT TO SCALE



10 TOILET/GENERAL EXHAUST
SCALE: NOT TO SCALE



6 AIR COOLED CONDESING UNIT AND FAN COIL UNIT
SCALE: NOT TO SCALE



3 EMERGENCY GENERATOR DAY TANK
SCALE: NOT TO SCALE

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5	BID DOCUMENTS	09/07/2017
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JUDGE DOYLE SQUARE - BLOCK 88

NEW MUNICIPAL PARKING FACILITY

CITY OF MADISON, 53703

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Mead & Hunt
LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

INSTRUMENTATION DETAILS

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215-1051

M-705

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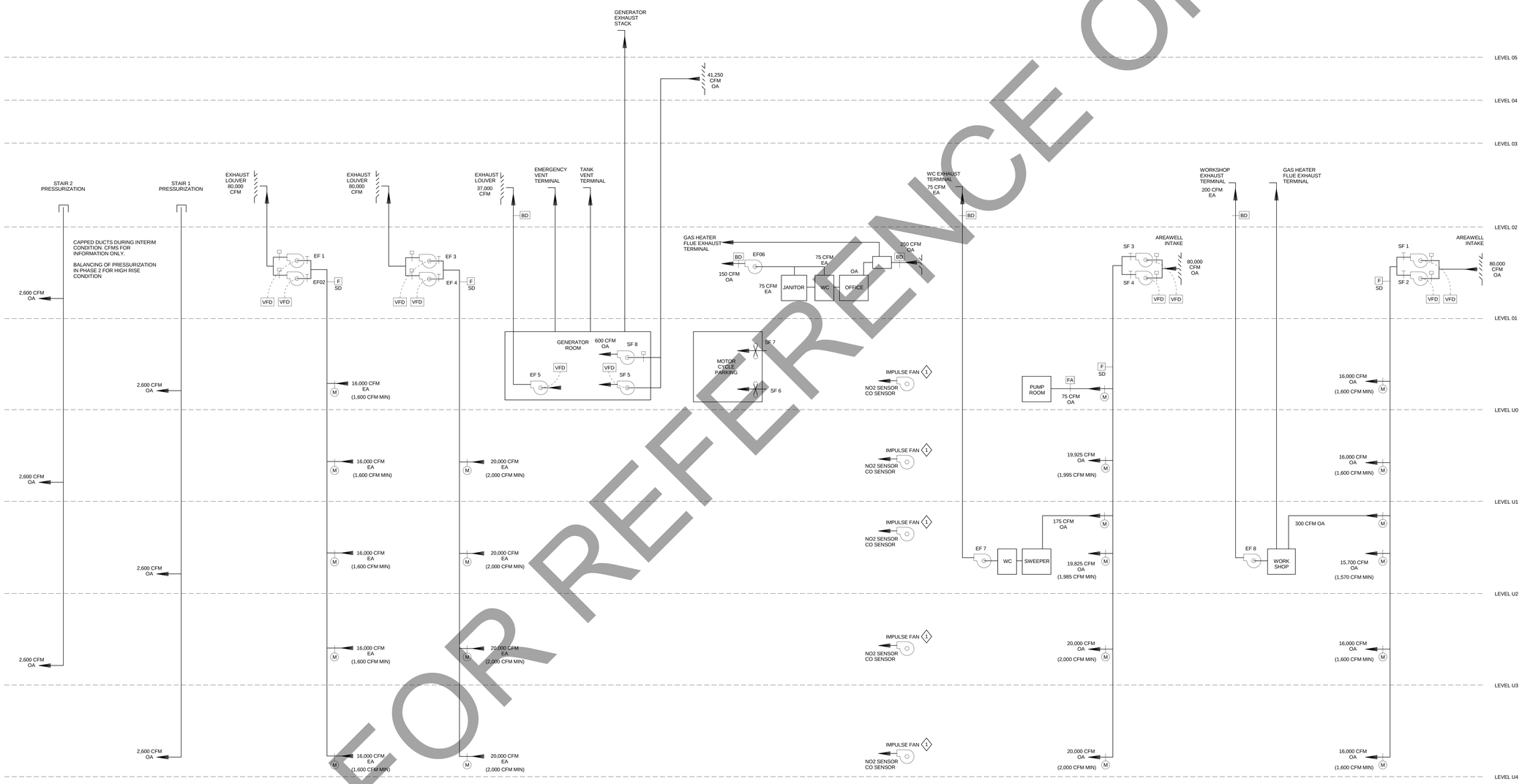
GENERAL NOTES

1. ALL GAS UNIT HEATER EXHAUSTS ARE NOT SHOWN. REFER TO PLANS FOR LOCATION OF ADDITIONAL GAS UNIT HEATER EXHAUSTS

SHEET KEY NOTES

1. ONE IMPLUSE FAN, NO2 SENSOR AND CO SENSOR SHOWN PER FLOOR FOR DIAGRAMATIC PURPOSES. REFER TO FLOOR PLANS FOR NUMBER OF IMPLUSE FANS



1 **PARKING GARAGE VENTILATION DIAGRAM**

SCALE: NOT TO SCALE

FOR REFERENCE ONLY

General Notes

No.	Description	Date
6	BID DOCUMENTS	09/07/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

NEW MUNICIPAL PARKING FACILITY

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

PARKING GARAGE VENTILATION DIAGRAM

Drawn	Date
JH	9/5/2017 11:33:41 AM
Checked By	Drawing Number
GG	M-706
Approved	
SE	
Job Number	
215-1051	

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PLUMBING SYMBOLS AND ABBREVIATIONS

SYMBOLS INDICATED HERE AND NOT USED IN THE CONTRACT DOCUMENTS DO NOT APPLY TO THIS PROJECT. ADDITIONAL SYMBOLS MAY BE INDICATED IN THE CONTRACT DOCUMENTS.

PIPING FITTINGS

- FLANGE
- UNION
- ANCHOR
- PIPE GUIDE
- PIPE SLEEVE
- ECCENTRIC REDUCER
- CONCENTRIC REDUCER
- ELBOW DOWN
- ELBOW UP
- TEE DOWN
- TEE UP
- PIPE CAP
- SOIL, STORM, OR WASTE PLUG

PIPE VALVES & SPECIALTIES

- GAS SHUT OFF VALVE
- GATE VALVE
- DIAPHRAGM VALVE
- BALL VALVE
- BUTTERFLY VALVE
- BALANCING VALVE
- CHECK VALVE
- PRESSURE REDUCING VALVE
- SOLENOID VALVE
- PRESSURE RELIEF VALVE
- THERMOSTATIC MIXING VALVE
- TEMPERATURE BLENDING VALVE
- BACKWATER VALVE
- BFP — BACKFLOW PREVENTER
- REDUCED PRESSURE BACKFLOW PREVENTER
- DOUBLE CHECK BACKFLOW PREVENTER
- PIPELINE STRAINER
- WATER HAMMER ARRESTOR
- PIPE FLEXIBLE CONNECTION
- EXPANSION JOINT
- FLOW SENSING DEVICE
- PRESSURE OR VACUUM SWITCH
- HEAT TRACE TERMINATION POINT
- HEAT TRACE POWER CONNECTION POINT
- THERMOMETER
- PRESSURE GAUGE (WITH VALVE)
- WALL HYDRANT
- HOSE BIBB
- FILTER
- DIRECTION OF PITCH
- M — WATER METER

DRAINS AND CLEANOUTS

- FLOOR DRAIN/FLOOR SINK
- ROOF DRAIN
- HUB DRAIN
- FIXTURE WASTE TRAP
- CLEANOUT
- FLOOR CLEANOUT

PIPING SYSTEM LABELS

WATER

- DCW — DOMESTIC COLD WATER
- DHW — DOMESTIC HOT WATER
- DHR — DOMESTIC HOT WATER RETURN
- HT — HEAT TRACE HOT WATER
- NP — NON-POTABLE WATER
- TW — TEMPERED WATER

WASTE OR STORM

- SAN — WASTE OR SOIL
- SD — SUBSOIL DRAIN
- S — STORM
- OD — OVERFLOW DRAIN
- FM — FORCE MAIN
- CWW — CLEARWATER WASTE

VENT

- V — VENT
- CWV — CLEARWATER VENT

REFERENCE SYMBOLS

- P 1 — EQUIPMENT (PUMP INDICATED)
- 2 — SPECIALTY ITEMS (I.E. GAUGE FILTER, ETC.)
- REFER M-1 — PLAN CONTINUATION REFERENCE
- 1 M-1 — SECTION DESIGNATION (TOP DESIGNATES SECTION NUMBER, BOTTOM DESIGNATES ON WHICH SHEET SECTION APPEARS)
- MATCHLINE DESIGNATION
- ELEVATION SYMBOL
- NEW CONNECTION TO EXISTING
- 2 M-1 — DETAIL REFERENCE (TOP=DETAIL NO., BOTTOM=DRAWING NO. SHOWN ON)
- A/15B-6 OR A 15B-6 — DETAIL REFERENCE (TOP=DETAIL NO., BOTTOM=SHEET NO. IN DETAIL MANUAL)
- 1 — REVISION REFERENCE
- 4 — GENERAL OR SPECIAL NOTES REFERENCE
- 102 — ROOM NUMBER DESIGNATION
- 1001 — CONSTRUCTION BULLETIN REVISION NUMBER

FIXTURE INSTALLATION

FIXTURE	BARRIER FREE DESIGN	NON-BARRIER FREE
WATER CLOSET	FLOOR TO RIM - 17"	FLOOR TO RIM - 15"
URINAL	FLOOR TO RIM - 17", MIN. ONE PER ROOM	FLOOR TO RIM - 24"
LAVATORY	FLOOR TO RIM - 34", MAX. FLOOR TO UNDER APRON - 29"	FLOOR TO RIM - 31"
DRINKING FOUNTAIN	FLOOR TO SPOUT - 36", MAX. FLOOR TO UNDER APRON - 27"	FLOOR TO RIM - 40"
SHOWER VALVE	FLOOR TO VALVE - 42"	FLOOR TO VALVE - 48"
SHOWER HEAD	FLOOR TO HEAD - 60" ON HOSE ADJ. - 48"	FLOOR TO HEAD - 78", VARIES

ABBREVIATIONS

A	- AIR
AAP	- AREA ALARM PANEL
ACC	- ACCESS
ACFM	- ACTUAL CUBIC FEET PER MINUTE
ADB	- ACID DILUTION BASIN
ADJ	- ADJUSTABLE
AFF	- ABOVE FINISHED FLOOR
ALT	- ALTERNATE
AMP'S	- AMPERES
AP	- ACCESS PANEL
APPROX	- APPROXIMATE
ARCH	- ARCHITECTURAL
ASME	- AMERICAN SOCIETY OF MECHANICAL ENGINEERS
ASSY	- ASSEMBLY
BHP	- BRAKE HORSEPOWER
BLDG	- BUILDING
BOP	- BOTTOM OF PIPE ELEVATION
BOT	- BOTTOM
BT	- BATHTUB
BTU	- BRITISH THERMAL UNIT
BTUH	- BRITISH THERMAL UNITS PER HOUR
BTWN	- BETWEEN
CA	- COMPRESSED AIR
CFCI	- CONTRACTOR FURNISHED CONTRACTOR INSTALLED
CFM	- CUBIC FEET PER MINUTE
CLG	- CEILING
CMU	- CONCRETE MASONRY UNIT
CO	- CLEANOUT
CO2	- CARBON DIOXIDE
CONN	- CONNECTION / CONNECT
CONTR	- CONTRACTOR
CORR	- CORRIDOR
CS	- CLINICAL SINK / COLD SOFT WATER
CTR	- CENTER
CU	- COPPER
CRVTR	- CORROSIVE VENT THROUGH ROOF
CWW	- CLEARWATER WASTE
D	- DEPTH / DRAIN LINE
DCW	- DOMESTIC COLD WATER
DET	- DETAIL
DFU	- DRAINAGE FIXTURE UNIT
DHR	- DOMESTIC HOT WATER RETURN
DHW	- DOMESTIC HOT WATER
DIA	- DIAMETER
DIM	- DIMENSION
DISCH	- DISCHARGE
DN	- DOWN / DOWNSPOUT NOZZLE
DS	- DOWNSPOUT
DWG	- DRAWING
EA	- EACH
EEW	- EMERGENCY EYEWASH
EFF	- EFFICIENCY
EJ	- EXPANSION JOINT
ELEC	- ELECTRICAL
ELEV	- ELEVATION
EQUIP	- EQUIPMENT
ET	- EXPANSION TANK
ETR	- EXISTING TO REMAIN
ES	- EMERGENCY SHOWER
EWC	- ELECTRIC WATER COOLER
EWT	- ENTERING WATER TEMPERATURE
EXP	- EXPANSION
EXT	- EXTERIOR
°F	- FAHRENHEIT
FCO	- FLOOR CLEANOUT
FD	- FLOOR DRAIN
FLA	- FULL LOAD AMPERES
FLR	- FLOOR
FM	- FORCE MAIN
FP	- FIREPROOF
FPM	- FEET PER MINUTE
FT	- FEET
FTHD	- FEET HEAD
FTG	- FOOTING
G	- GAS
GA	- GAUGE
GAL	- GALLON
GALV	- GALVANIZED
GPH	- GALLONS PER HOUR
GPM	- GALLONS PER MINUTE
HB	- HOSE BIBB
HC	- GARAGE HOSE CONNECTION
HD	- HUB DRAIN
HP	- HORSEPOWER
HR	- HOSE REEL
HT	- HEAT TRACE
HTC	- HEAT TRACE CONNECTION
HTR	- HEATER
HTT	- HEAT TRACE TERMINATION
HVAC	- HEATING, VENTILATING, & AIR CONDITIONING
HZ	- HERTZ
ID	- INSIDE DIAMETER
IE	- INVERT ELEVATION
IN	- INCHES
IN WC	- INCHES WATER COLUMN
IW	- INDIRECT WASTE
KW	- KILOWATT
L	- LENGTH
LA	- LABORATORY COMPRESSED AIR
LAV	- LAVATORY
LBS	- POUNDS
LTG	- LIGHTING
LWT	- LEAVING WATER TEMPERATURE
MAP	- MASTER ALARM PANEL
MAX	- MAXIMUM
MB	- MOP BASIN
MBH	- ONE THOUSAND BTUH
MEZZ	- MEZZANINE
MFR	- MANUFACTURER
MH	- MANHOLE
MIN	- MINIMUM / MINUTE
MISC	- MISCELLANEOUS
MTD	- MOUNTED
MTG	- MOUNTING
NC	- NORMALLY CLOSED
NIC	- NOT IN CONTRACT
NO	- NUMBER
NOM	- NOMINAL
NPSH	- NET POSITIVE SUCTION HEAD
NPT	- NATIONAL PIPE THREAD
NTS	- NOT TO SCALE
OC	- ON CENTER
OD	- OUTSIDE DIAMETER / OVERFLOW DRAIN
OFCI	- OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	- OWNER FURNISHED, OWNER INSTALLED
P	- PUMP
PH	- PHASE
PIV	- POST INDICATOR VALVE
PLBG	- PLUMBING
PRESS	- PRESSURE
PRV	- PRESSURE REDUCING VALVE
PSF	- POUNDS PER SQUARE FOOT
PSI	- POUNDS PER SQUARE INCH
PSIG	- POUNDS PER SQUARE INCH GAUGE
PW	- PURE WATER
R	- RADIUS
RAD	- REFRIGERATED AIR DRYER
RD	- ROOF DRAIN
REC	- RECESSED
RECPT	- RECEPTACLE
REF	- REFERENCE
REQD	- REQUIRED
RI	- ROUGH-IN
RPM	- REVOLUTIONS PER MINUTE
RV	- RELIEF VALVE
S	- STORM
SAN	- SANITARY
SCH	- SCHEDULE
SCFM	- STANDARD CUBIC FEET PER MINUTE
SD	- SUBSOIL DRAIN
SF	- SQUARE FEET
SH	- SHOWER
SHT	- SHEET
SPEC	- SPECIFICATION
SQ	- SQUARE
SR	- SERVICE RECEPTOR
S/S	- STAINLESS STEEL
STD	- STANDARD
STM	- STORM
STRU	- STRUCTURAL / STRUCTURE
SUCT	- SUCTION
TD	- TRENCH DRAIN
TDH	- TOTAL DYNAMIC HEAD
TEMP	- TEMPERATURE
TMV	- THERMOSTATIC MIXING VALVE
TOB	- TOP OF BEAM
TOD	- TOP OF DECK
TOJ	- TOP OF JOIST
TOS	- TOP OF SLAB / TOP OF STEEL
TF	- TRAP FILLER
TP	- TRAP PRIMER
TYP	- TYPICAL
UR	- URINAL
V	- VENT / VACUUM / VOLTS
VAC	- VACUUM
VEL	- VELOCITY
VFD	- VARIABLE FREQUENCY DRIVE
VOL	- VOLUME
VTR	- VENT THRU ROOF
W	- WASTE / WATER
WA	- WATER HAMMER ARRESTOR
W/	- WITH
W/O	- WITHOUT
WAGD	- WASTE ANESTHETIC GAS DISPOSAL
WC	- WATER CLOSET
WCO	- WALL CLEANOUT
WGE	- WASTE GAS EXHAUST
WH	- WALL HYDRANT
WSFU	- WATER SUPPLY FIXTURE UNIT
X	- EXISTING
YCO	- YARD CLEANOUT
ZVB	- ZONE VALVE BOX

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General Notes

No.	Description	Date
6	BID DOCUMENTS	09/07/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

NEW MUNICIPAL PARKING FACILITY

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

PLUMBING SYMBOLS & ABBREVIATIONS

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JSW	9/5/2017 1:02:48 PM
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SAR	P-000
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AEI	
Job Number	
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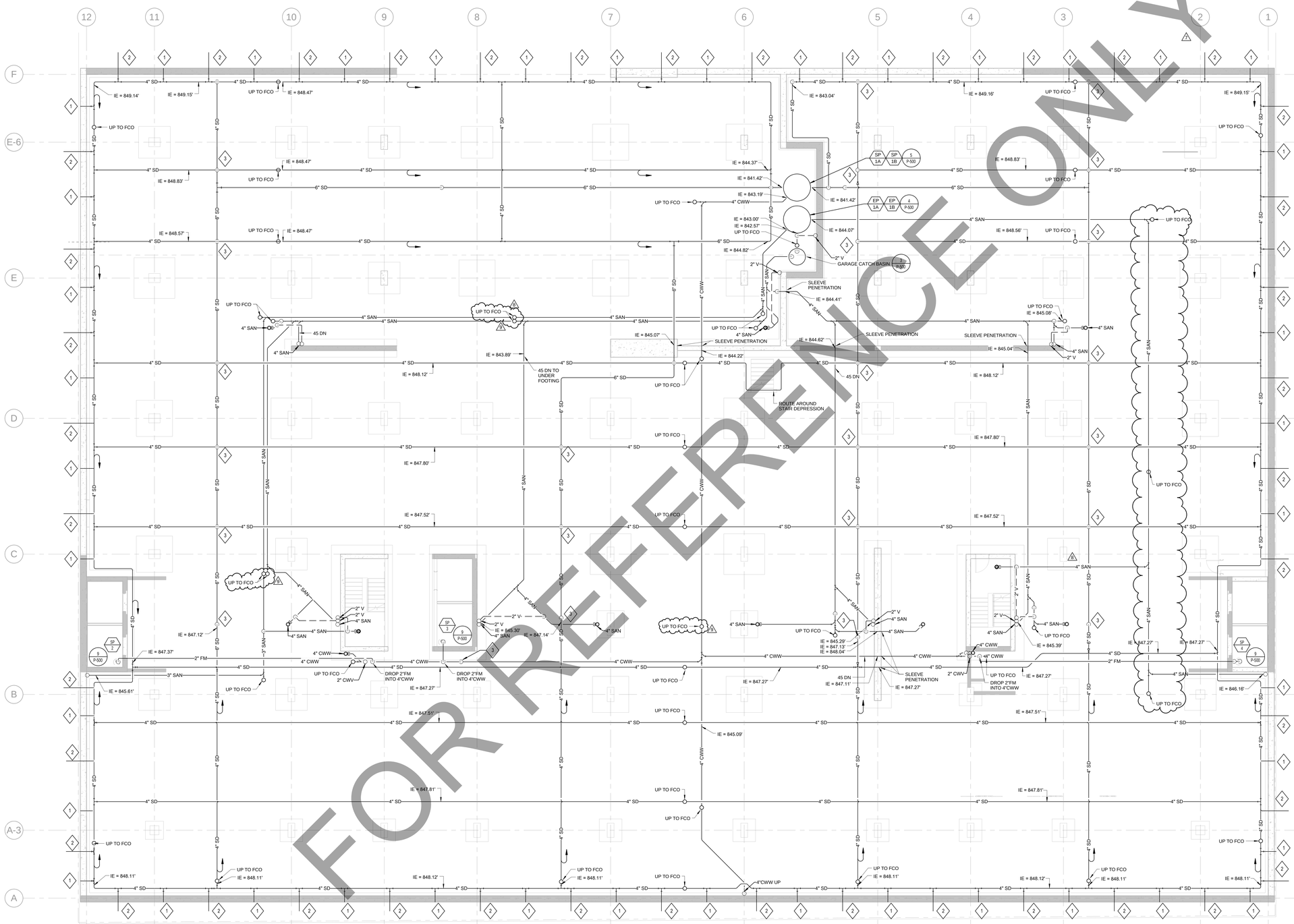
GENERAL NOTES

1. INVERTS (IE) SHOWN ARE BASED ON A LEVEL U4 FINISHED FLOOR LEVEL OF 849.50'.
2. IT IS THE INTENT OF THE DESIGN FOR THE SUBSOIL DRAINAGE TO PITCH WITH THE FLOOR IT IS BENEATH AND TO BE INSTALLED IN THE 12" STONE ZONE ABOVE THE TOP LAYER OF WATERPROOFING MEMBRANE, UNLESS NOTED OTHERWISE. WHERE NO PITCH ARROWS ARE SHOWN ANYWHERE ALONG THE LINE, IT IS THE INTENT FOR THE SUBSOIL DRAINAGE TO HAVE MINIMAL SLOPE.

SHEET KEY NOTES

1. 4" SOLID WALL PIPE THRU FOUNDATION WALL. TERMINATE ON EXTERIOR AT INNER WATERPROOFING/FOUNDATION WALL DRAINAGE BOARD
2. 4" SOLID WALL PIPE THRU FOUNDATION WALL. TERMINATE ON EXTERIOR AT OUTER WATERPROOFING LAYER.
3. DROP THRU WATERPROOFING LAYER. COORDINATE PENETRATION DETAIL WITH WATERPROOFING.



FOR REFERENCE ONLY

1 **PLUMBING UNDERGROUND PARKING PLAN - LEVEL U4 UNDERFLOOR**
SCALE: 1/8" = 1'-0"

No.	Description	Date
9	BULLETIN #5	05/14/2018
8	BULLETIN #4	05/04/2018
7	BULLETIN #3	03/05/2018
6	BID DOCUMENTS	09/07/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

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INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE

Drawing Title

PLUMBING UNDERGROUND PARKING PLAN - LEVEL U4 UNDERFLOOR

Drawn	Date
JSW	5/14/2018 3:09:38 PM
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SAR	
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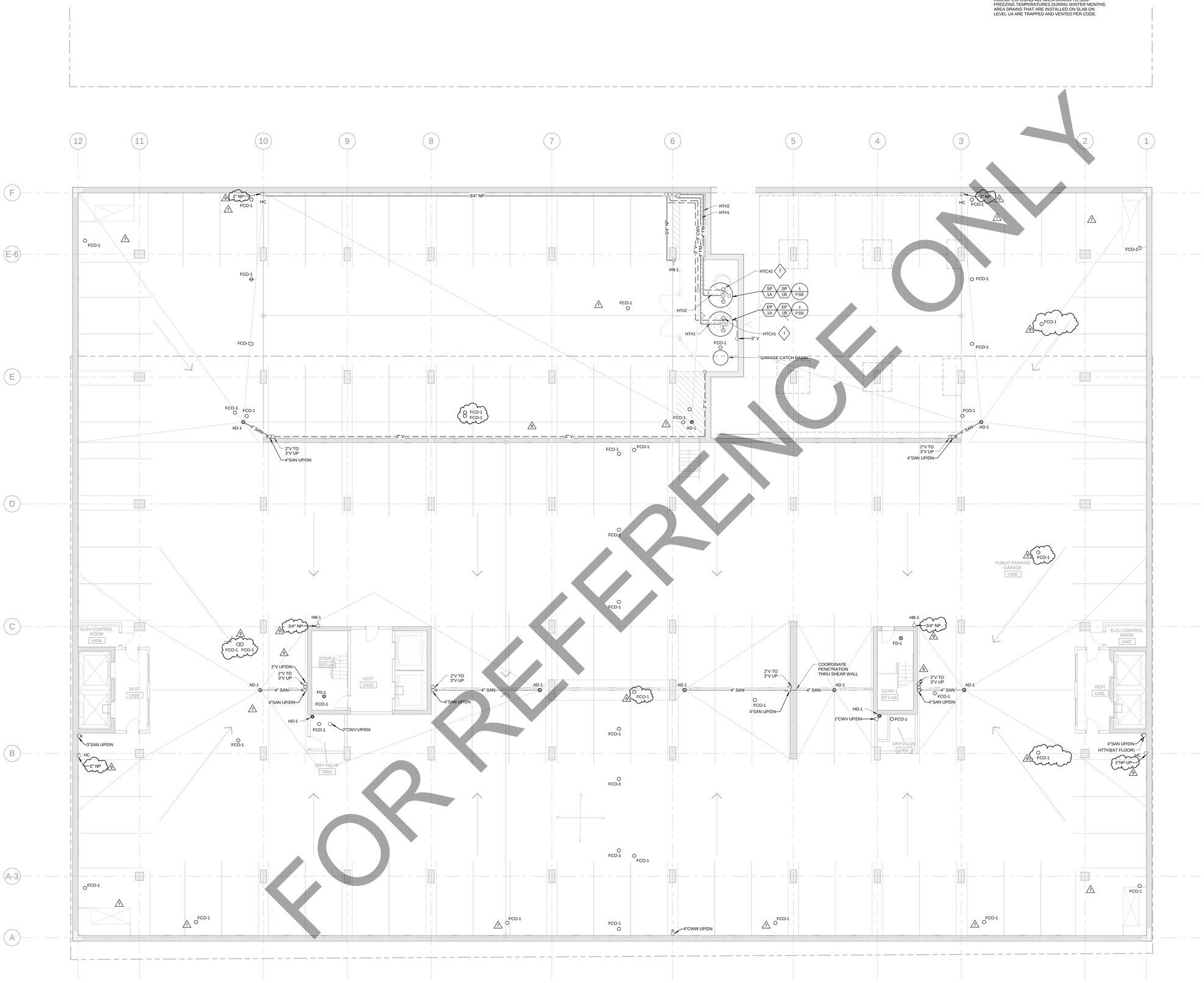
GENERAL NOTES

1. P-TRAPS AND VENTS SHALL NOT BE INSTALLED AT AREA DRAINS THAT ARE SUBJECT TO FREEZING TEMPERATURES. ALL OPEN AREAS OF THE PARKING STRUCTURE ARE CONTINUOUSLY VENTILATED YEAR ROUND, EXPOSING ALL AREA DRAINS TO SUB-FREEZING TEMPERATURES DURING WINTER MONTHS. AREA DRAINS THAT ARE INSTALLED ON SLAB ON LEVEL U4 ARE TRAPPED AND VENTED PER CODE.

SHEET KEY NOTES

1. HEAT TRACE (HT) SYSTEM SHALL PROVIDE HEAT TRACE ON BOTH PUMP DISCHARGES.



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1 PLUMBING UNDERGROUND PARKING PLAN - LEVEL U4

SCALE: 1/8" = 1'-0"

General Notes

No.	Description	Date
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MADISON | CHICAGO | ST. LOUIS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS
A WSP | PARSONS BRINCKERHOFF COMPANY

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

PLUMBING UNDERGROUND PARKING PLAN - LEVEL U4

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JSW	5/14/2018 3:09:42 PM
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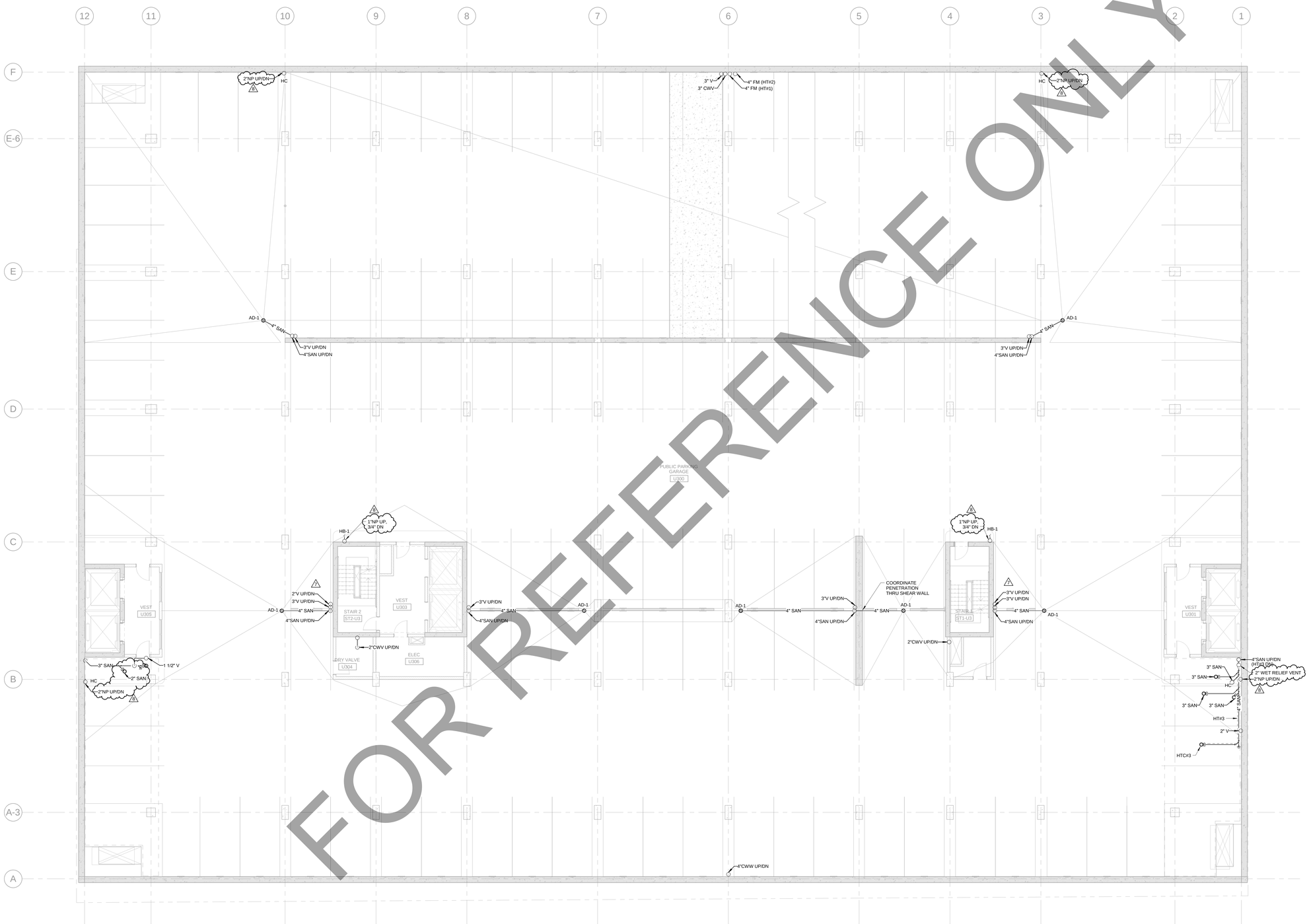

1 **PLUMBING UNDERGROUND PARKING PLAN - LEVEL U3**

SCALE: 1/8" = 1'-0"

FOR REFERENCE ONLY

General Notes

No.	Description	Date
8	BULLETIN #5	05/14/2018
7	BULLETIN #4	05/04/2018
6	BID DOCUMENTS	09/07/2017
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3	ISSUED FOR BID	06/16/2017
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HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

PLUMBING UNDERGROUND PARKING PLAN - LEVEL U3

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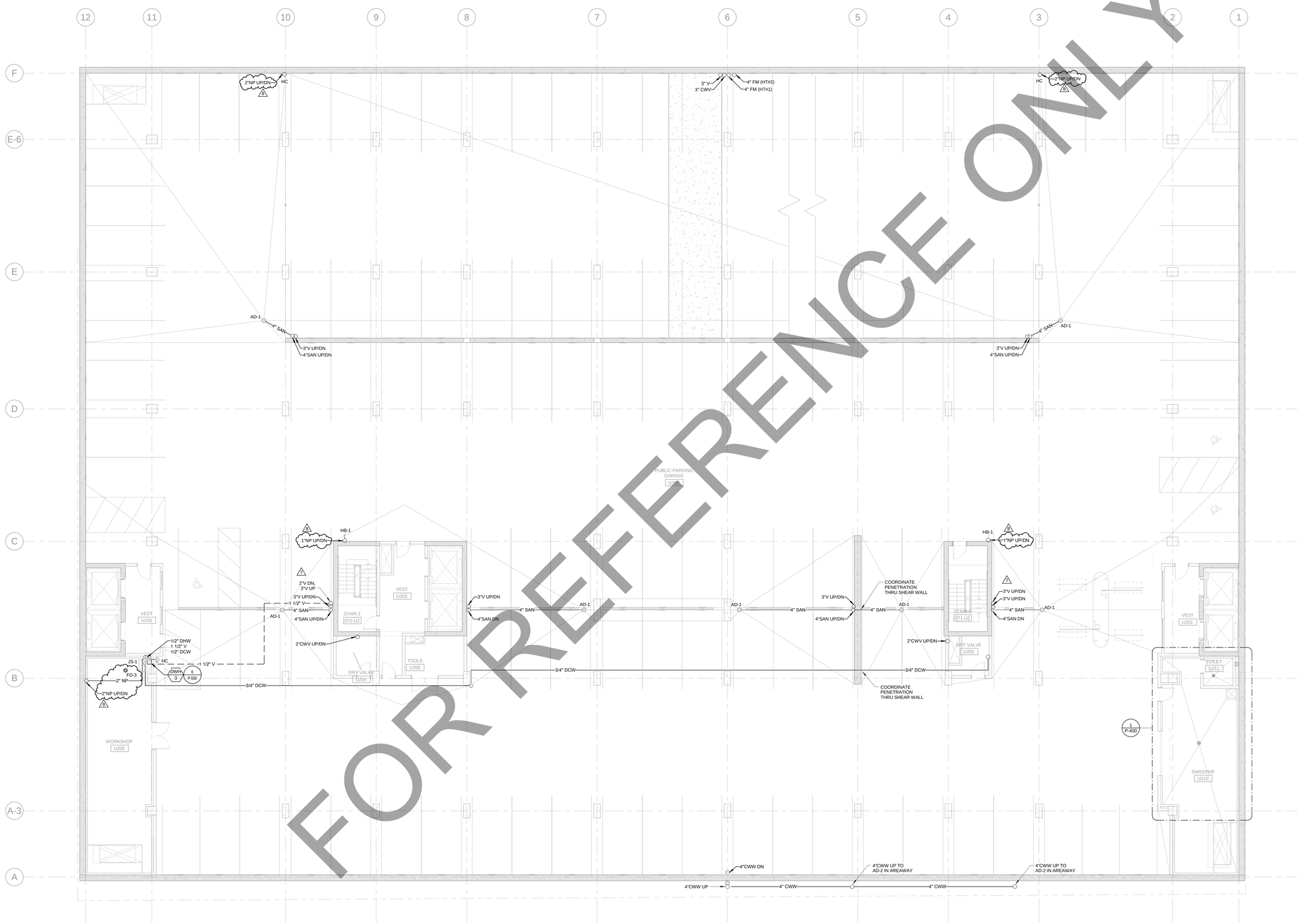

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1 **PLUMBING UNDERGROUND PARKING PLAN - LEVEL U2**

SCALE: 1/8" = 1'-0"

General Notes

No.	Description	Date
8	BULLETIN #5	05/14/2018
7	BULLETIN #4	05/04/2018
6	BID DOCUMENTS	09/07/2017
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AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE

Drawing Title

PLUMBING UNDERGROUND PARKING PLAN - LEVEL U2

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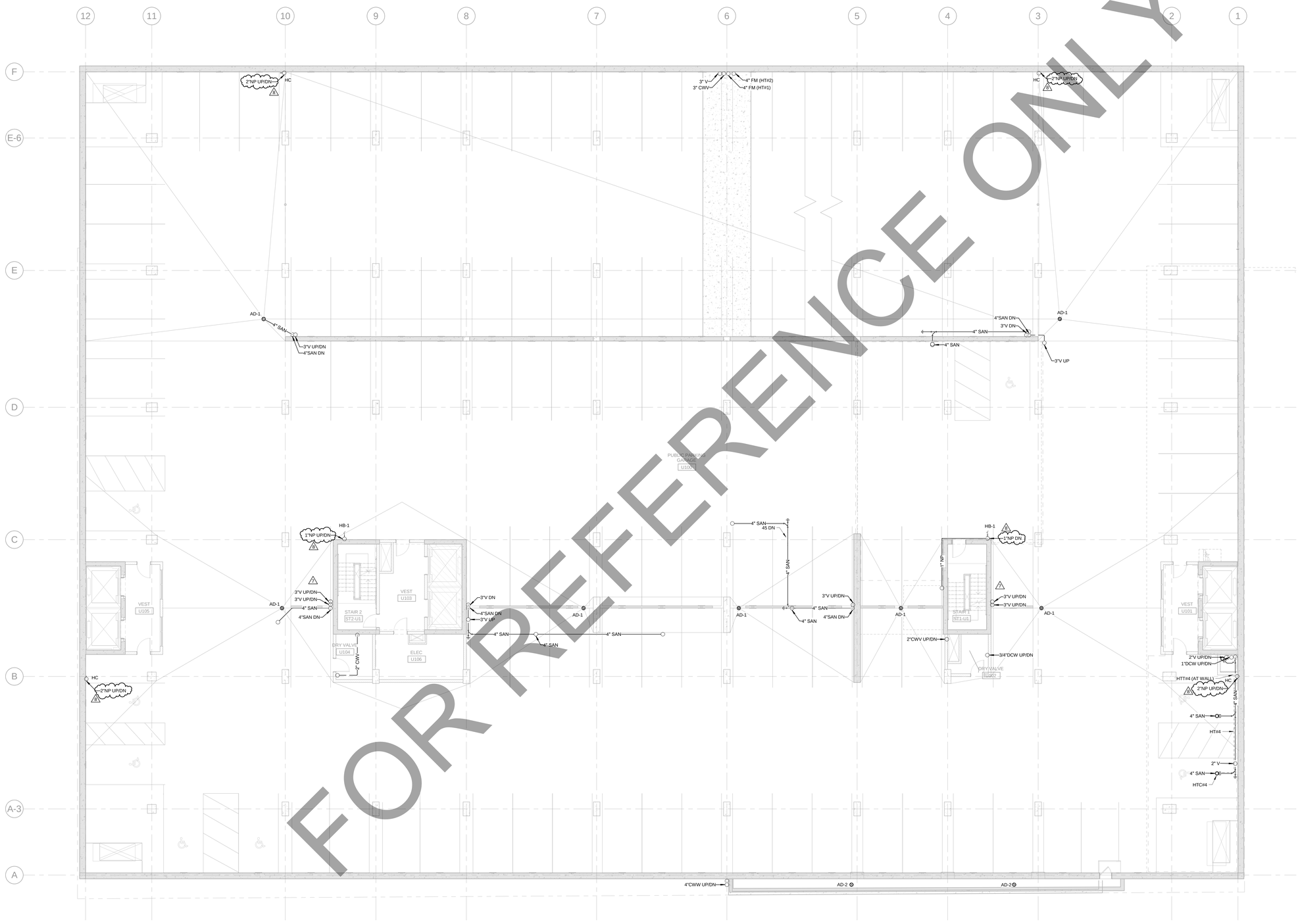
GENERAL NOTES

1. P-TRAPS AND VENTS SHALL NOT BE INSTALLED AT AREA DRAINS THAT ARE SUBJECT TO FREEZING TEMPERATURES. ALL OPEN AREAS OF THE PARKING STRUCTURE ARE CONTINUOUSLY VENTILATED YEAR ROUND, EXPOSING ALL AREA DRAINS TO SUB-FREEZING TEMPERATURES DURING WINTER MONTHS. AREA DRAINS THAT ARE INSTALLED ON SLAB ON LEVEL U4 ARE TRAPPED AND VENTED PER CODE.



FOR REFERENCE ONLY

1 **PLUMBING UNDERGROUND PARKING PLAN - LEVEL U1**

SCALE: 1/8" = 1'-0"

General Notes

No.	Description	Date
8	BULLETIN #5	05/14/2018
7	BULLETIN #4	05/04/2018
6	BID DOCUMENTS	09/07/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

NEW MUNICIPAL PARKING FACILITY

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE

Drawing Title

PLUMBING UNDERGROUND PARKING PLAN - LEVEL U1

Drawn	Date
JBW	5/14/2018 3:09:57 PM
Checked By	**Drawing Number**
SAR	P-100.4
Approved	
AEI	
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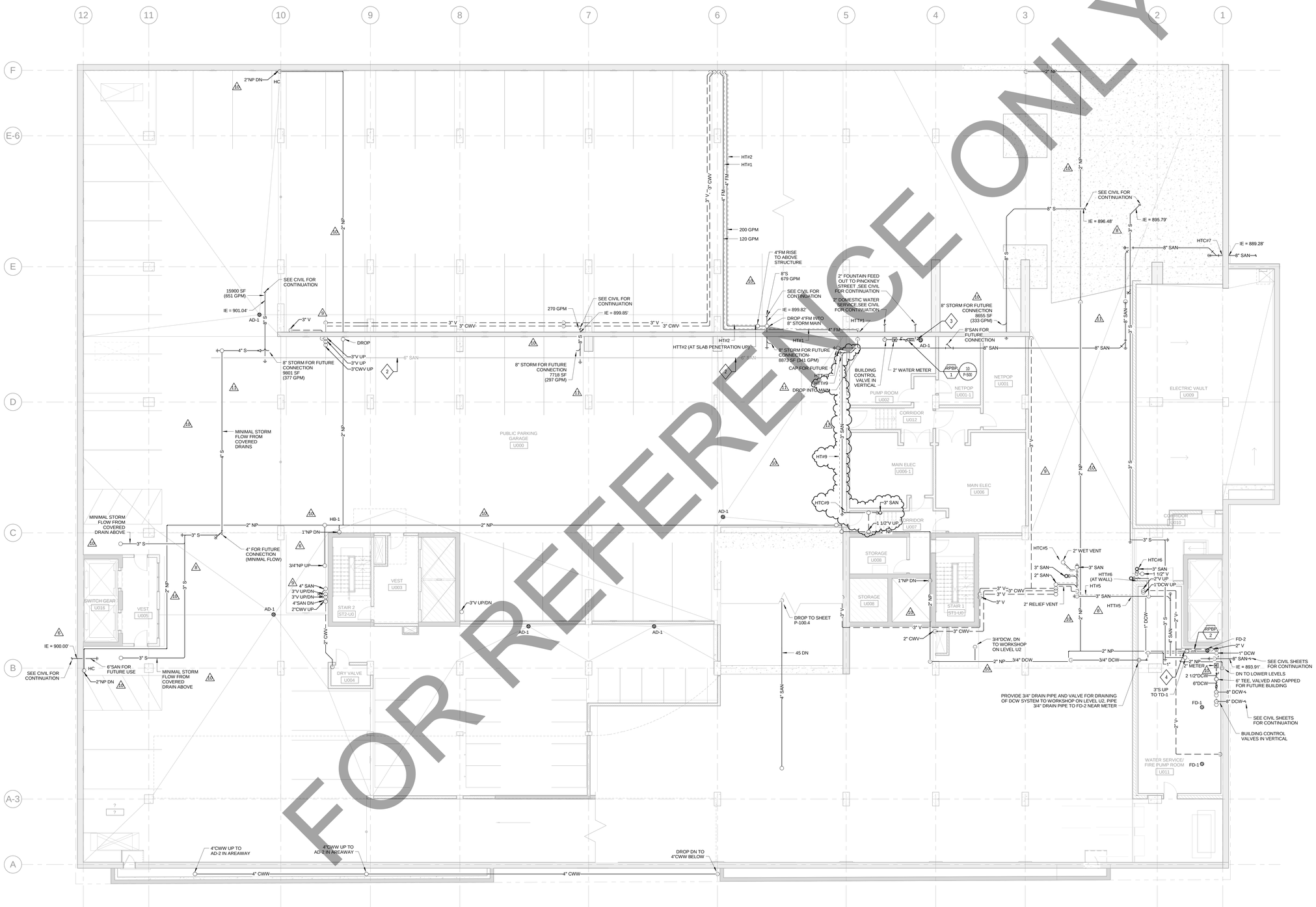
5/14/2018 3:09:57 PM

GENERAL NOTES

1. INVERT ELEVATIONS ARE BASED ON A LEVEL 1 (WILSON STREET) ELEVATION OF 900.00'.
2. P-TRAPS AND VENTS SHALL NOT BE INSTALLED AT AREA DRAINS THAT ARE SUBJECT TO FREEZING TEMPERATURES. ALL OPEN AREAS OF THE PARKING STRUCTURE ARE CONTINUOUSLY VENTILATED YEAR ROUND, EXPOSING ALL AREA DRAINS TO SUB-FREEZING TEMPERATURES DURING WINTER MONTHS. AREA DRAINS THAT ARE INSTALLED ON SLAB ON LEVEL U4 ARE TRAPPED AND VENTED PER CODE.
3. ALL STORM PIPING TO BE PITCHED A MINIMUM OF 1/8" PER FOOT.

SHEET KEY NOTES

1. 8" STORM LINES FOR CONNECTION FOR FUTURE BUILDING ABOVE. GRAYED OUT BRANCHES SHOWN FOR PLACEHOLDER ONLY. PROVIDE 8" STORM PENETRATING THRU EXTERIOR WALL TO CIVIL STORM. CAP FITTING TO ALLOW FUTURE CONNECTION OF BRANCH STORM PIPES.
2. 6" SANITARY LINE FOR CONNECTION FOR FUTURE BUILDING ABOVE. GRAYED OUT BRANCHES SHOWN FOR PLACEHOLDER ONLY. CAP FITTING TO ALLOW FUTURE CONNECTION OF BRANCH SANITARY PIPES.
3. PROVIDE 2"NPCW CAPPED AFTER RPBP-1 FOR CONNECTION TO FOUNTAIN EQUIPMENT BY OTHERS. CAP 2" SUPPLY OUT TO FOUNTAIN INSIDE PUMP ROOM U002 FOR CONNECTION BY OTHERS. PROVIDE DRAIN CONNECTION AT LOW POINT ON FOUNTAIN SUPPLY AFTER RPBP-1 WITH 1" BALL VALVE FOR DRAINING OF FOUNTAIN SYSTEM SEASONALLY. PIPING DRAIN TO ADJACENT FLOOR DRAIN.
4. PROVIDE 1" DRAIN PIPE AND VALVE FOR DRAINING OF NP SYSTEM TO GARAGE HOSE CONNECTIONS, PIPE 1" DRAIN PIPE TO FD-2 NEAR METER



FOR REFERENCE ONLY

1 PLUMBING UNDERGROUND PARKING PLAN - LEVEL U0

SCALE: 1/8" = 1'-0"

No.	Description	Date
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11	BULLETIN #6	09/14/2018
10	BULLETIN #5	05/14/2018
9	BULLETIN #4	05/04/2018
8	BULLETIN #2	12/07/2017
7	BID DOCUMENTS	09/07/2017
6	ADDENDUM 2	07/21/2017
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1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

NEW MUNICIPAL PARKING FACILITY

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTING

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE

Drawing Title

PLUMBING UNDERGROUND PARKING PLAN - LEVEL U0

Drawn	Date
JSW	10/10/2018 11:29:48 AM
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GENERAL NOTES

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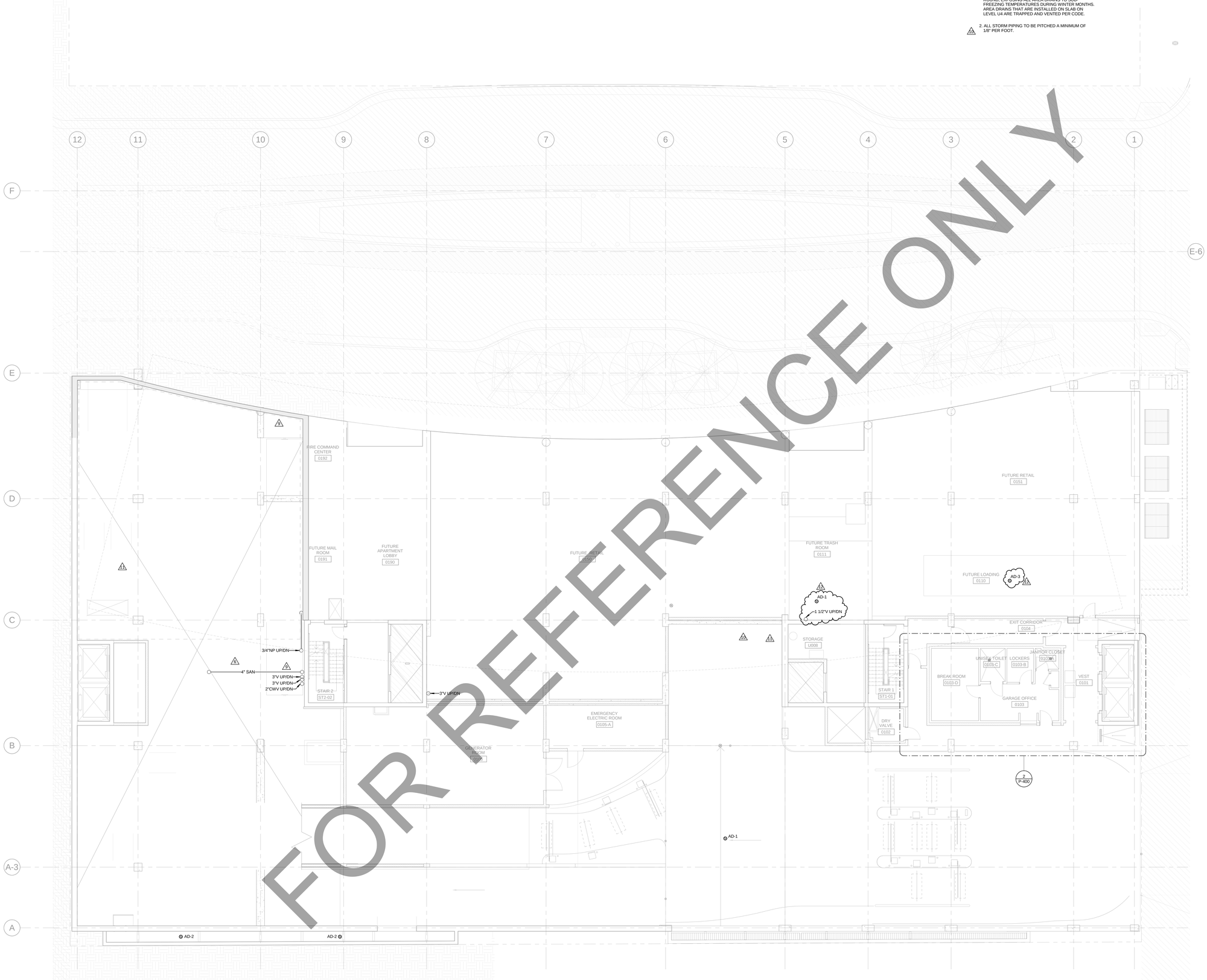

FOR REFERENCE ONLY

1 **PLUMBING LEVEL 1 PLAN - WILSON STREET**
SCALE: 1/8" = 1'-0"

TRUE NORTH
PROJECT NORTH

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General Notes

No.	Description	Date
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11	BULLETIN #6	09/14/2018
10	BULLETIN #5	05/14/2018
9	BULLETIN #4	05/04/2018
8	BULLETIN #2	12/07/2017
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2	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

NEW MUNICIPAL PARKING FACILITY

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

PLUMBING LEVEL 1 PLAN - WILSON STREET

Drawn	Date
JBW	10/12/2018 3:45:41 PM
Checked By	**Drawing Number**
SAR	
Approved	
AEI	P-101.0
Job Number	
215-1051	

GENERAL NOTES

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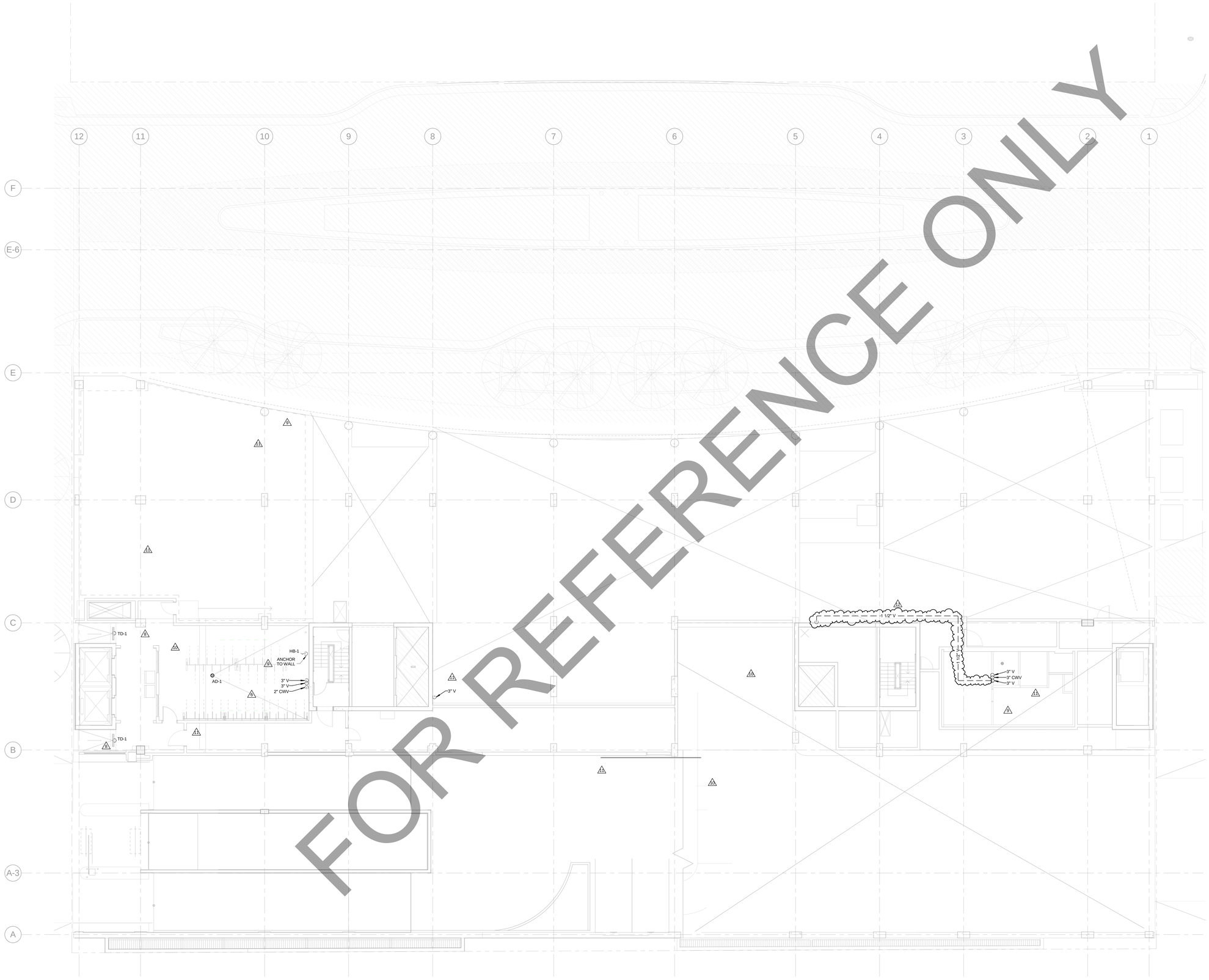

FOR REFERENCE ONLY

1 **PLUMBING LEVEL 2 PLAN - DOTY STREET**
SCALE: 1/8" = 1'-0"

TRUE NORTH
PROJECT NORTH

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General Notes

No.	Description	Date
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11	BULLETIN #6	09/14/2018
10	BULLETIN #5	05/14/2018
9	BULLETIN #4	05/04/2018
8	BULLETIN #2	12/07/2017
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2	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

NEW MUNICIPAL PARKING FACILITY

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

PLUMBING LEVEL 2 PLAN - DOTY STREET

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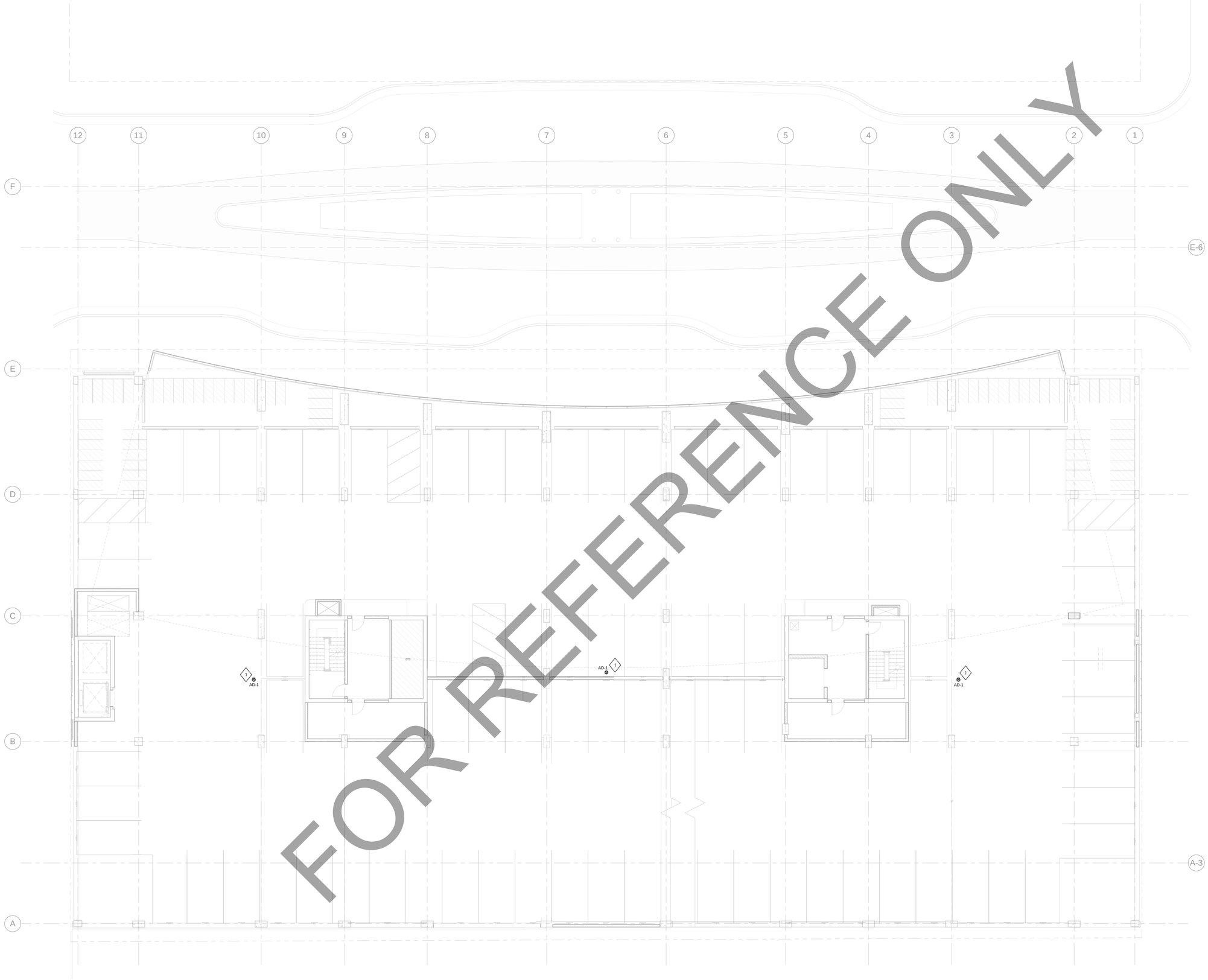
JSW	10/10/2018 11:29:53 AM
Checked By	**Drawing Number**
SAR	
Approved	
AEI	P-102.0
Job Number	
215-1051	

SHEET KEY NOTES

1 DRAINS TO BE INSTALLED IN CONCRETE SLAB. STORM CONNECTION FOR DRAINS WILL BE PROVIDED IN A LATER PACKAGE.



FOR REFERENCE ONLY

1 **PLUMBING LEVEL 3 PLAN**
SCALE: 1/8" = 1'-0"

TRUE NORTH
PROJECT NORTH

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General Notes

No.	Description	Date
1	BULLETIN #7	10/15/2018

JUDGE DOYLE SQUARE - BLOCK 88

NEW MUNICIPAL PARKING FACILITY

CITY OF MADISON, 53703

ARCHITECT:
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ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS
MADISON | CHICAGO | DC | DENVER

PARKING CONSULTANT:
WALKER
PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS
A WALT | PARSONS | ALLFREDDY COMPANY

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

PLUMBING LEVEL 3 PLAN

Drawn	Date
AEI	10/10/2018 11:29:56 AM
Checked By	**Drawing Number**
AEI	
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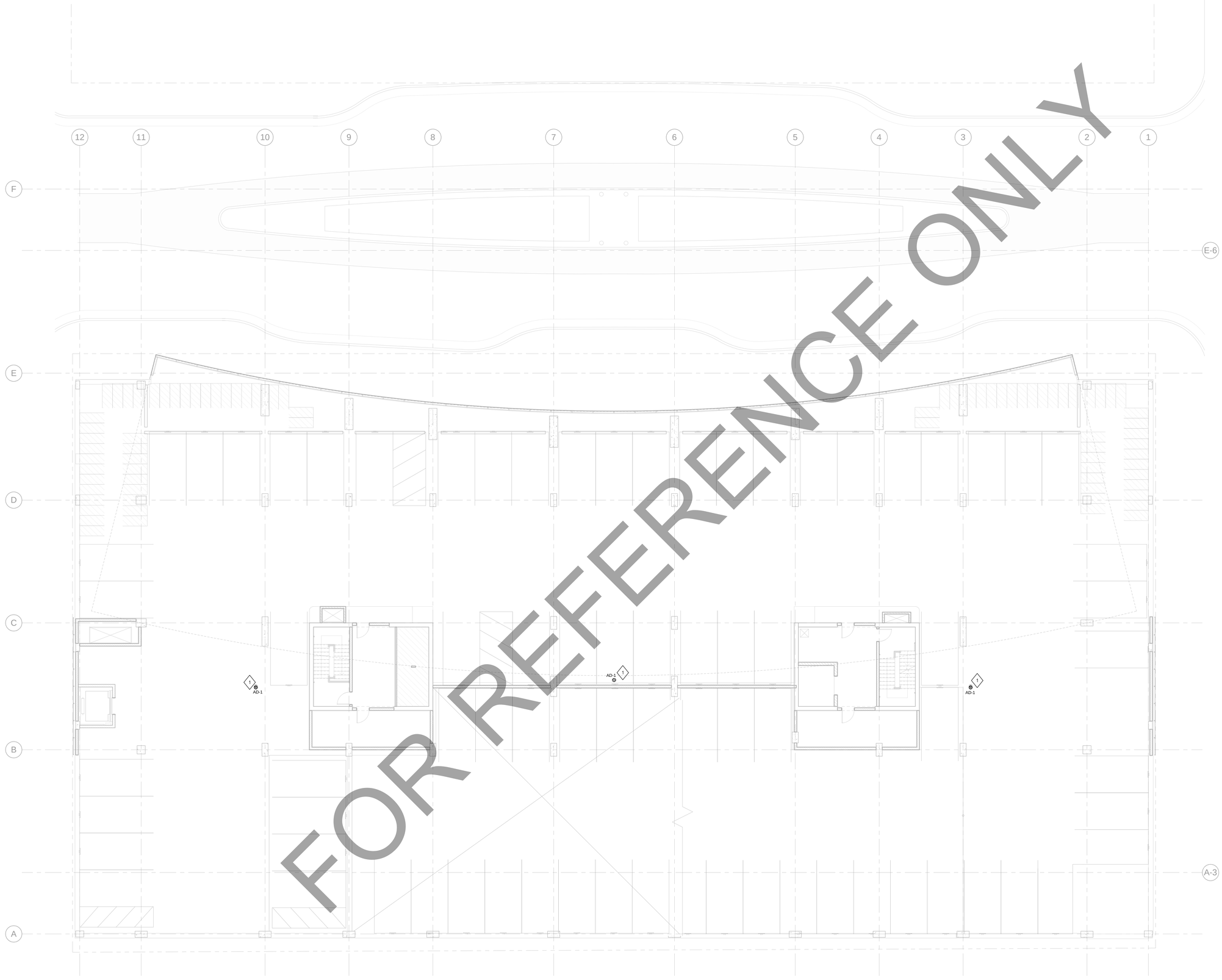
AEI	
Job Number	
215-1051	

P-103.0

SHEET KEY NOTES

1. DRAINS TO BE INSTALLED IN CONCRETE SLAB. STORM CONNECTION FOR DRAINS WILL BE PROVIDED IN A LATER PACKAGE.



FOR REFERENCE ONLY

1 **PLUMBING LEVEL 4 PLAN**

SCALE: 1/8" = 1'-0"

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General Notes

No.	Description	Date
1	BULLETIN #7	10/15/2018

JUDGE DOYLE SQUARE - BLOCK 88

NEW MUNICIPAL PARKING FACILITY

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano
ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS
MADISON | CHICAGO | ST. LOUIS

PARKING CONSULTANT:
WALKER
PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS
A WSP | PARSONS BRINCKERHOFF COMPANY

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

PLUMBING LEVEL 4 PLAN

Drawn	Date
AEI	10/10/2018 11:29:58 AM
Checked By	**Drawing Number**
AEI	
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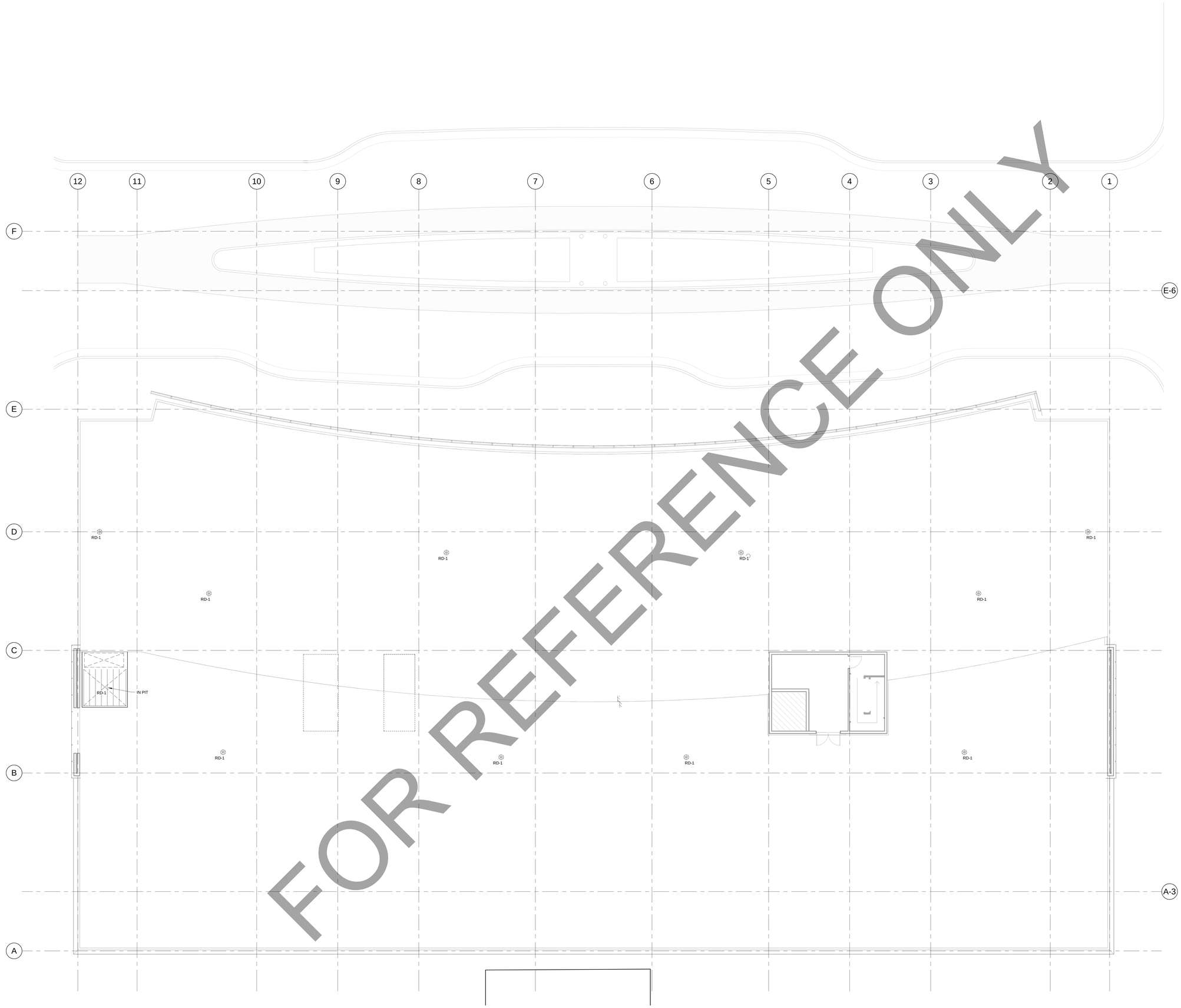
AEI	
Job Number	
215-1051	

1 P-104.0



FOR REFERENCE ONLY

1 **PLUMBING LEVEL 5 PLAN**

SCALE: 1/8" = 1'-0"

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10/16/2018 2:31:42 PM

General Notes

No.	Description	Date
1	BULLETIN #7	10/15/2018

JUDGE DOYLE SQUARE - BLOCK 88

NEW MUNICIPAL PARKING FACILITY

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano
ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS
MADISON | MILWAUKEE | DENVER

PARKING CONSULTANT:
WALKER
PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS
A WSP | PARSONS BRINCKERHOFF COMPANY

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

PLUMBING LEVEL 5 PLAN

Drawn	Date
Author	10/16/2018 2:31:42 PM
Checked By	**Drawing Number**
Checker	P-105.0
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Approver	
Job Number	
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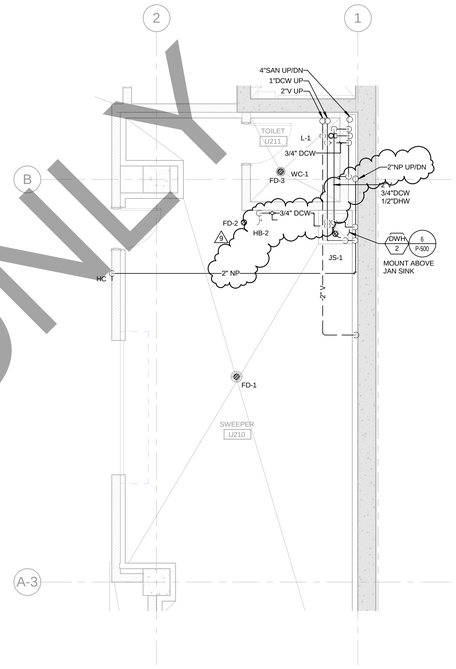
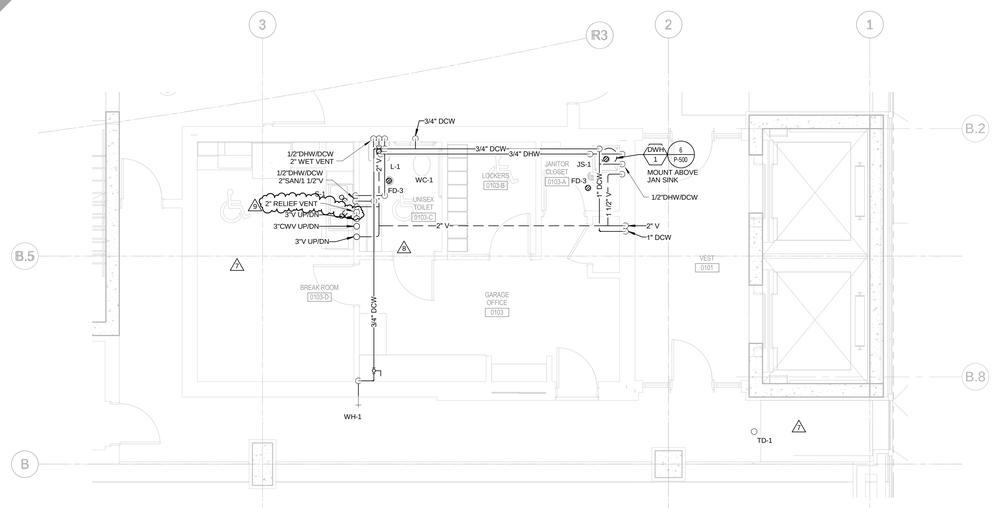


1 SWEEPER/MAINTENANCE AREA ENLARGED PLAN

SCALE: 1/4" = 1'-0"



2 PARKING OFFICE ENLARGED PLAN

SCALE: 1/4" = 1'-0"

FOR REFERENCE ONLY

General Notes

No.	Description	Date
9	BULLETIN #5	05/14/2018
8	BULLETIN #4	05/04/2018
7	BULLETIN #2	12/07/2017
6	BID DOCUMENTS	09/07/2017
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HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

PLUMBING ENLARGED VIEWS

Drawn	Date
JSW	5/14/2018 3:10:23 PM
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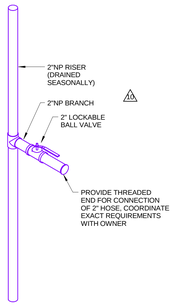
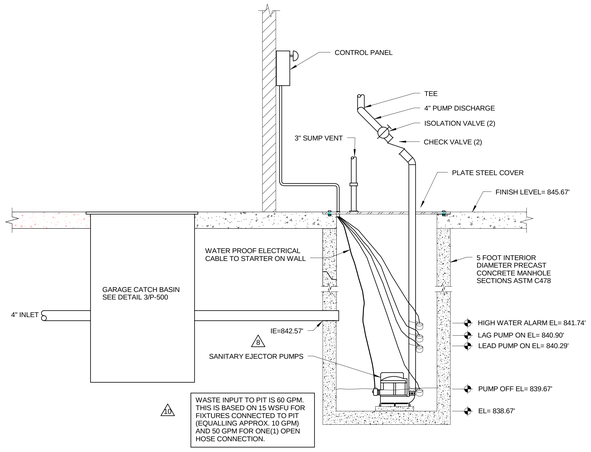


8 GARAGE HOSE CONNECTION (HC)

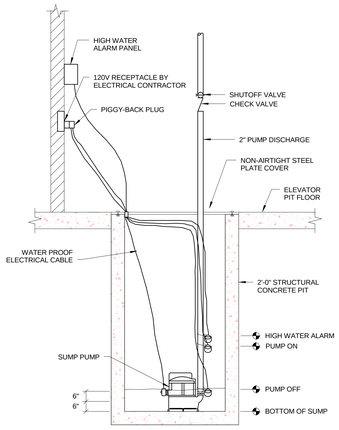
SCALE: NOT TO SCALE



WASTE INPUT TO PIT IS 60 GPM. THIS IS BASED ON 15 WSFU FOR FIXTURES CONNECTED TO PIT (EQUALLING APPROX. 10 GPM) AND 50 GPM FOR ONE(1) OPEN HOSE CONNECTION.

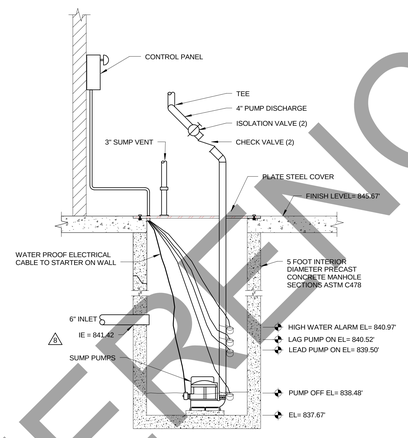
4 SANITARY EJECTOR PUMPS

SCALE: NOT TO SCALE



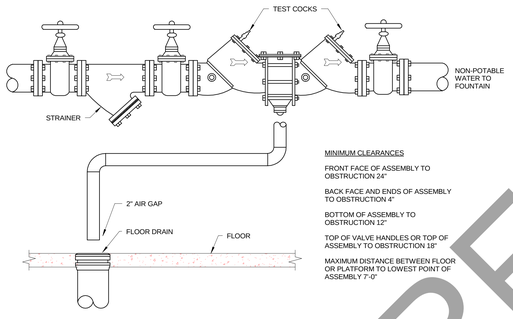
9 ELEVATOR SUMP PUMP

SCALE: 1/2" = 1'-0"



5 SUBSOIL SUMP PUMPS

SCALE: NOT TO SCALE



MINIMUM CLEARANCES

FRONT FACE OF ASSEMBLY TO OBSTRUCTION 24"

BACK FACE AND ENDS OF ASSEMBLY TO OBSTRUCTION 4"

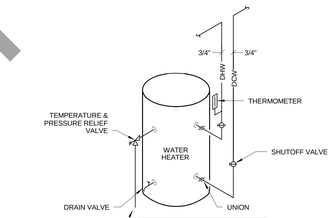
BOTTOM OF ASSEMBLY TO OBSTRUCTION 12"

TOP OF VALVE HANDLES OR TOP OF ASSEMBLY TO OBSTRUCTION 18"

MAXIMUM DISTANCE BETWEEN FLOOR OR PLATFORM TO LOWEST POINT OF ASSEMBLY 7'-0"

10 BACKFLOW PREVENTER

SCALE: 1/2" = 1'-0"

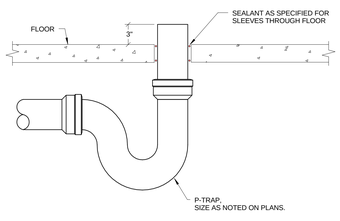


MOUNT WATER HEATER ON WALL MOUNTED PLATFORM ABOVE JANITOR'S SINK. SHELF TO BE SIMILAR TO HOLDRITE 30-SWHP-WM. PROVIDE ADDITIONAL BRACING IN WALL TO FIRMLY ATTACH TO WALL.

6 ELECTRIC WATER HEATER

SCALE: NOT TO SCALE

JOINT METHOD SHOWN IS FOR HUB AND SPIGOT CAST IRON. MODIFY DETAIL PER TYPE OF WASTE (SANITARY) USED TO MEET SPECIFICATION OF THAT PIPE TYPE



7 HUB DRAIN (HD-1)

SCALE: NOT TO SCALE

CLEANOUTS AND DRAINS

TAG	BASIS OF DESIGN MANUFACTURER AND MODEL	DRAINAGE FIXTURE UNIT (DFU)	DESCRIPTION
AD-1	JR SMITH 2140-B	4	CAST IRON BODY AND FLASHING COLLAR, 12" CAST IRON TRACTOR GRATE, SEDIMENT BUCKET
AD-2	JR SMITH 1310	4	CAST IRON BODY AND FLASHING COLLAR, CAST IRON DOME
1/N AD-3	JR SMITH 2340-B-M	4	CAST IRON BODY, ADJUSTABLE TOP COLLAR (TO 6"), 12" DUCTILE IRON GRATE, SEDIMENT BUCKET
FD-1	JR SMITH 3505	3	CAST IRON DRAIN, 9" NICKEL BRONZE STRAINER, 4" FUNNEL, IN-LINE TRAP SEALER
FD-2	JR SMITH 3510	3	CAST IRON DRAIN, 5" NICKEL BRONZE STRAINER, 4" FUNNEL, IN-LINE TRAP SEALER
FD-3	JR SMITH 2005	3	CAST IRON DRAIN, 5" NICKEL BRONZE STRAINER, IN-LINE TRAP SEALER
1/N RD-1	JR SMITH 1010	-	CAST IRON BODY, FLASHING CLAMP, 16" DIAMETER CAST IRON DOME
FH-1	NA	-	SEE DETAIL 7/P-500
FCO-1	JR SMITH 4223	-	CAST IRON FERRULE, HEAVY DUTY TOP
2/N TD-1	JR SMITH 2812	-	CAST IRON BODY AND END PLATES, 3 FOOT TOTAL LENGTH, VANDAL PROOF CAST IRON GRATE

FIXTURE PIPING

TAG	FIXTURE	WASTE	VENT	TRAP	COLD WATER	HOT WATER	DRAINAGE FIXTURE UNIT (DFU)	WATER SUPPLY (WSFU)	COLD WATER (WSFU)	HOT WATER (WSFU)	REMARKS
WC-1	WATER CLOSET	4"	2"	-	3/4"	-	6	3	3	-	TANK TYPE
L-1	LAVATORY	1-1/2"	1-1/2"	1-1/4"	1/2"	1/2"	1	1	0.5	0.5	WALL HUNG
S-1	SINK	1-1/2"	1-1/2"	1-1/4"	1/2"	1/2"	2	2	1.5	1.5	DOUBLE COMPARTMENT, COUNTER MOUNTED
JS-1	JANITOR'S SINK	3"	1-1/2"	3"	1/2"	1/2"	3	3	2	2	
HB-1	HOSE BIBB	-	-	-	3/4"	-	4	4	4	-	KEY OPERATION
HB-2	HOSE BIBB	-	-	-	3/4"	-	4	4	4	-	
WH-1	WALL HYDRANT	-	-	-	3/4"	-	4	4	4	-	FREEZELESS, KEY OPERATION
HC	HOSE CONNECTION	-	-	-	2"	-	50 GPM	50 GPM	-	-	SEE DETAIL 8/P-500

SUMP PUMPS

TAG	SERVICE	LOCATION	BASIS OF DESIGN MANUFACTURER AND MODEL	TYPE	CAPACITY (GPM)	HEAD (FEET)	DISCHARGE SIZE (IN)	SOLIDS SIZE (IN)	MOTOR HP	RPM	VOLT	PH	SCCR (MIN.)	REMARKS
SP-1A	SUBSOIL	LEVEL U4	WEIL 1624	2	100	78	2	1/4	5	3450	460	3	42	
SP-1B	SUBSOIL	LEVEL U4	WEIL 1624	2	100	78	2	1/4	5	3450	460	3	42	
SP-2	ELEVATOR	ELEV PIT U4	ZOELLER N152	2	50	8	2	1/4	1/2	2800	120	1		OIL MINDER
SP-3	ELEVATOR	ELEV PIT U4	ZOELLER N152	2	50	8	2	1/4	1/2	2800	120	1		OIL MINDER
SP-4	ELEVATOR	ELEV PIT U4	ZOELLER N152	2	50	8	2	1/4	1/2	2800	120	1		OIL MINDER
EP-1A	SANITARY	LEVEL U4	WEIL 2558	1	60	70	2	2	5	3450	460	3	42	
EP-1B	SANITARY	LEVEL U4	WEIL 2558	1	60	70	2	2	5	3450	460	3	42	

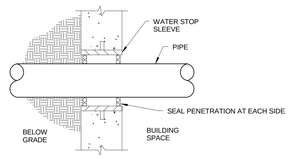
PUMP TYPES
1 = SUBMERSIBLE SEWAGE EJECTOR
2 = SUBMERSIBLE EFFLUENT PUMP

ELECTRIC STORAGE WATER HEATERS

TAG	SERVICE	LOCATION	BASIS OF DESIGN MANUFACTURER AND MODEL	WATER SIDE RECOVERY AT 90° RISE (GPH)	EWT (°F)	LWT (°F)	STORAGE TANK VOLUME (GAL)	AMSE RATED	ELECTRICAL NUMBER OF ELEMENTS	ELEMENT WATTAGE (kW)	VOLT	PH	SCCR (MIN.)	REMARKS
DWH-1	DHW	JANITOR 0103-A	STATE ES6 6 SOMS K	8	40	120	6	N	1	1.65	120	1	5	
DWH-2	DHW	SWEEPER U210	STATE ES6 6 SOMS K	8	40	120	6	N	1	1.65	120	1	5	
DWH-3	DHW	WORKSHOP U206	STATE ES6 6 SOMS K	8	40	120	6	N	1	1.65	120	1	5	

BACKFLOW PREVENTER (RPBP)

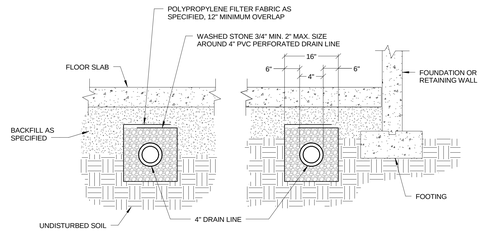
TAG	SERVICE	LOCATION	BASIS OF DESIGN MANUFACTURER	MODEL	SIZE (IN)	REMARKS
RPBP-1	FOUNTAIN	PUMP ROOM U002	WATTS	LF009	2	
RPBP-2	HOSE CONNECTIONS	WATER SERVICE U011	WATTS	LF009	2	



NOTE:
REFER TO SPECIFICATION SECTION 20 0000 FOR EXACT MATERIAL

1 PIPE THRU EXTERIOR WALL PENETRATION

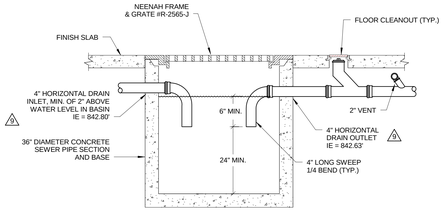
SCALE: NOT TO SCALE



NOTE:
EXCAVATE AS REQUIRED FOR PROPER INSTALLATION. PITCH DRAIN TILE AT 2" PER 100 FT MINIMUM. COORDINATE ROUTING WITH OTHER TRADES.

2 SUBSOIL DRAIN

SCALE: NOT TO SCALE



3 GARAGE CATCH BASIN

SCALE: NOT TO SCALE

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General Notes

No.	Description	Date
11	BULLETIN #7	10/15/2018
10	BULLETIN #5	05/14/2018
9	BULLETIN #4	05/04/2018
8	BULLETIN #3	03/05/2018
7	BULLETIN #2	12/07/2017
6	BID DOCUMENTS	09/07/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

NEW MUNICIPAL PARKING FACILITY

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano
ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
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LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

PLUMBING DETAILS AND SCHEDULES

Drawn	Date
JSW	10/16/2018 2:31:50 PM
Checked By	**Drawing Number**
SAR	P-500
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AEI	
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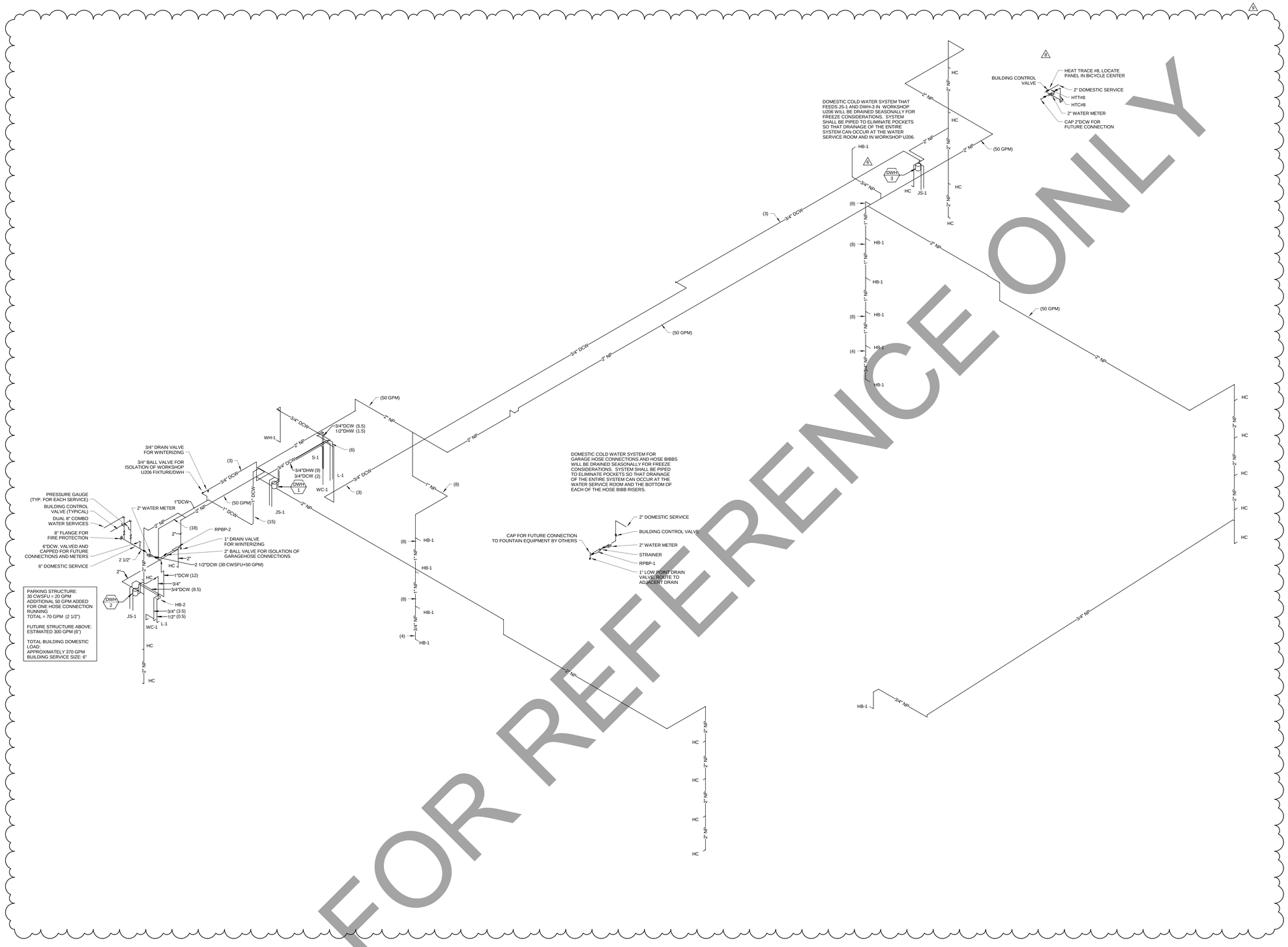
GENERAL NOTES

1. WATER SUPPLY FIXTURE UNITS (WSFU) ARE LISTED ON THIS SHEET IN PARENTHESES (X).
2. HOSE BIBBS (HB) AND GARAGE HOSE CONNECTIONS (HC) HAVE NOT BEEN CUMULATIVELY ADDED TO THE FINAL WSFU NUMBER DUE TO THE FACT THAT ONLY ONE(1) HC OR TWO(2) HB WILL BE OPEN AT ANY ONE TIME. ONE HC FLOW OF 50 GPM HAS BEEN ADDED FOR OVERALL SIZING.



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1 DOMESTIC WATER ISOMETRIC DIAGRAM
SCALE:

No.	Description	Date
9	BULLETIN #5	05/14/2018
8	BULLETIN #2	12/07/2017
7	BID DOCUMENTS	09/07/2017
6	ADDENDUM 2	07/21/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

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DOMESTIC WATER ISOMETRIC DIAGRAM

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JSW	5/14/2018 3:10:34 PM
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Approver	P-700
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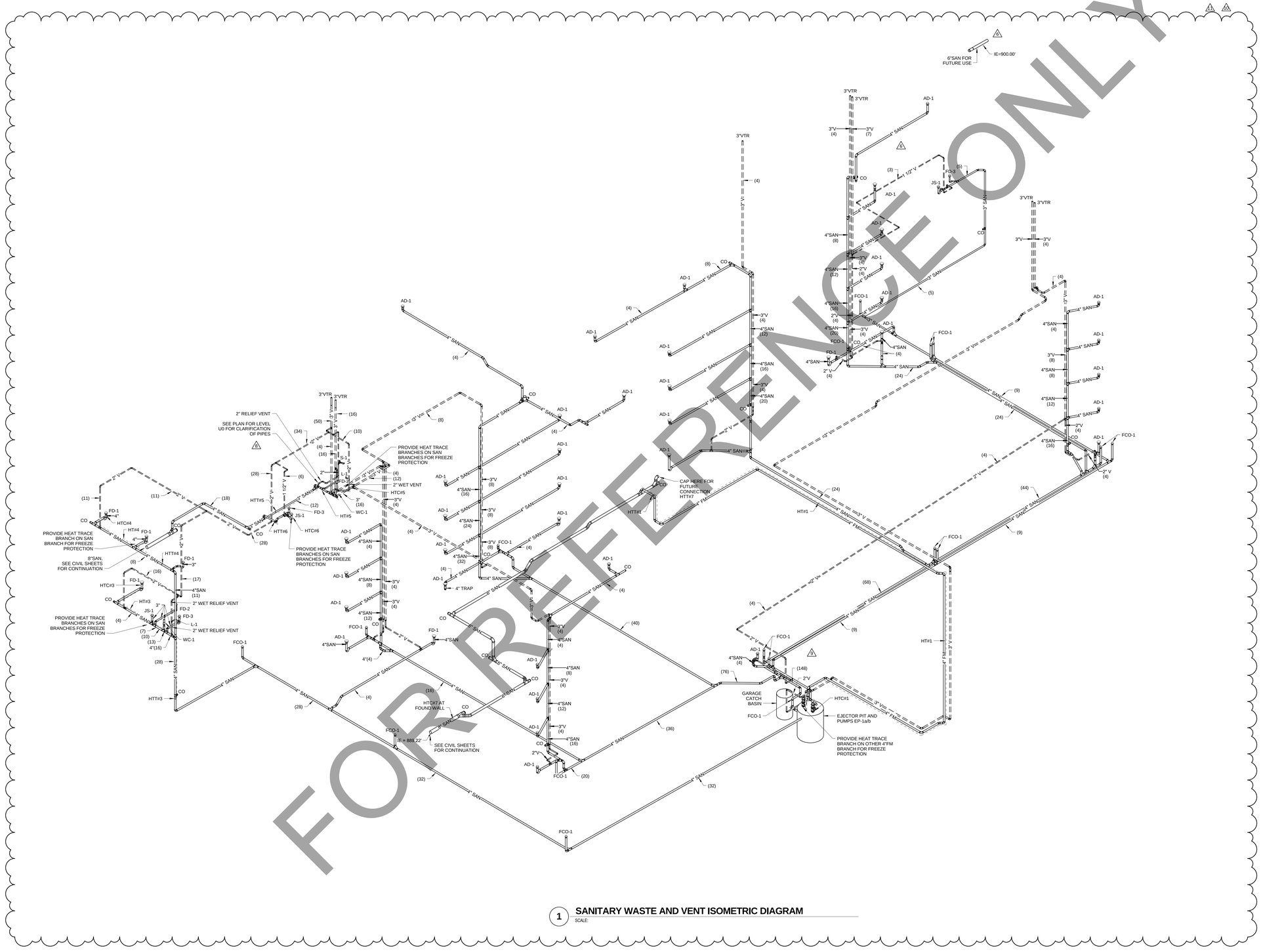
GENERAL NOTES

1. DRAINAGE FIXTURE UNITS (DFU) ARE LISTED ON THIS SHEET IN PARENTHESES (X).
2. AREA DRAINS (AD) IN THE GARAGE AREA ARE NOT TRAPPED AND VENTED DUE TO THE GARAGE BEING VENTILATED YEAR ROUND AND BELOW FREEZING AMBIENT TEMPERATURES BEING ANTICIPATED. (THE EXCEPTION IS THE AREA DRAINS ON THE LOWEST LEVEL WHERE PIPING IS BELOW SLAB. THESE DRAINS ARE TRAPPED AND VENTED.)
3. SEE PLANS FOR HEAT TRACE CONNECTIONS (HTC) AND HEAT TRACE TERMINATIONS (HTT) WHERE SANITARY PIPING IS BEING PROTECTED FOR FREEZING CONSIDERATIONS. PIPING AND TRAPS WITH A DASHED LINE RUNNING ADJACENT ARE HEAT TRACE PROTECTED. DUE TO DETAIL LEVEL OF PLANS AND ISOMETRICS, SOME AREAS MAY NOT SHOW THE DASHED LINE. IT IS THE INTENT OF THESE DOCUMENTS TO PROVIDE HEAT TRACE PROTECTION ON ALL EXPOSED GRAVITY AND FORCE MAIN SANITARY PIPING (WITH THE EXCEPTION OF NOTE #2 ABOVE). PROVIDE HEAT TRACE SYSTEM, ACCESSORIES, BRANCHES AND INSULATION TO ACCOMPLISH THE INTENT. CONTRACTOR SHALL BE HELD TO HAVE STUDIED THE DOCUMENTS TO UNDERSTAND THE EXTENT OF PIPING REQUIRED FOR HEAT TRACE PROTECTION.



1 SANITARY WASTE AND VENT ISOMETRIC DIAGRAM
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No.	Description	Date
11	BULLETIN #5	05/14/2018
10	BULLETIN #4	05/04/2018
9	BULLETIN #3	03/05/2018
8	BULLETIN #2	12/07/2017
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3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

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SANITARY WASTE & VENT ISOMETRIC DIAGRAM

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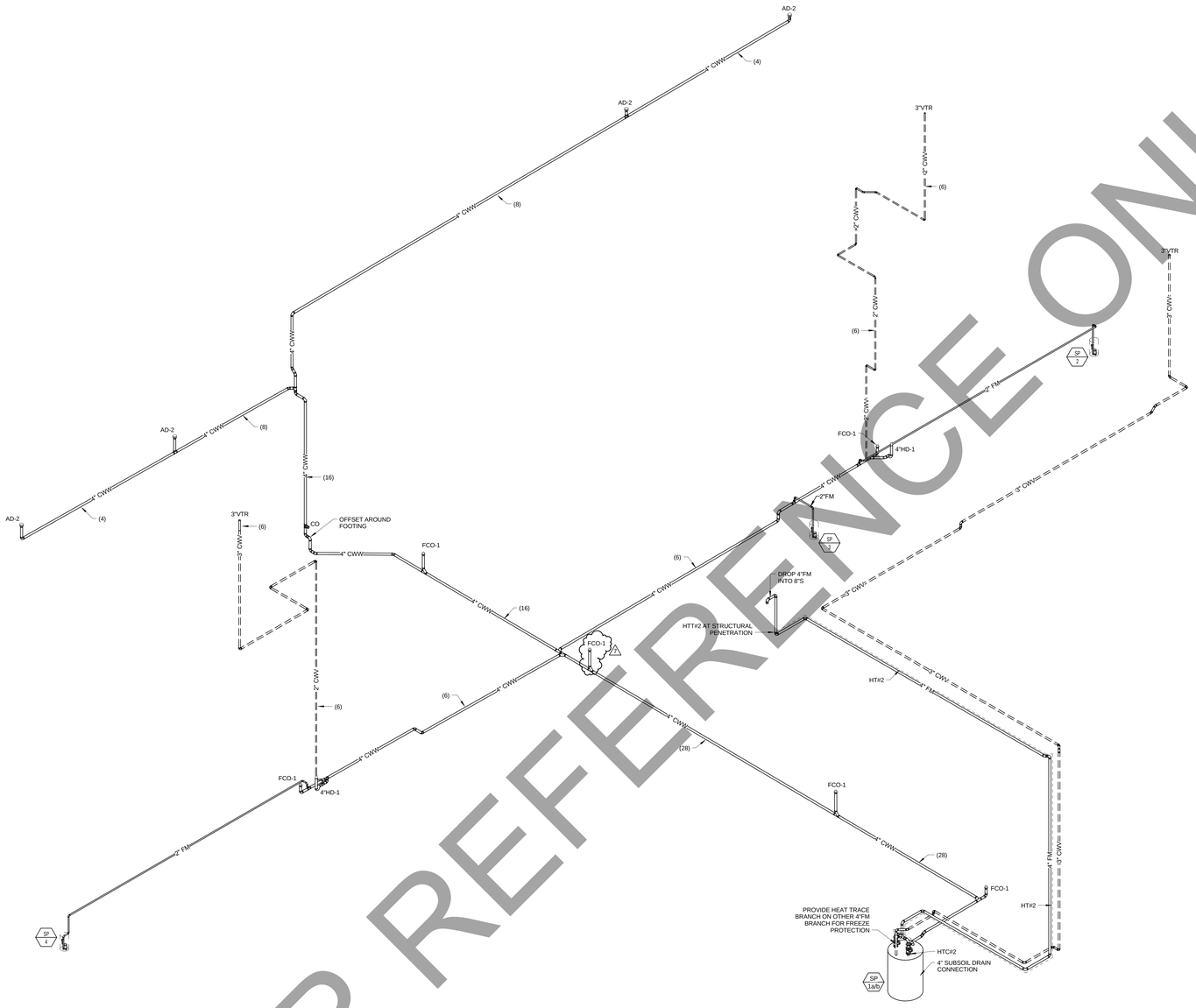
Approver	
Job Number	
215-1051	

GENERAL NOTES

1. DRAINAGE FIXTURE UNITS (DFU) ARE LISTED ON THIS SHEET IN PARENTHESES (X).
2. SEE PLANS FOR HEAT TRACE CONNECTIONS (HTC) AND HEAT TRACE TERMINATIONS (HTT) WHERE FORCE MAIN PIPING IS BEING PROTECTED FOR FREEZING CONSIDERATIONS. PIPING WITH A DASHED LINE RUNNING ADJACENT IS HEAT TRACE PROTECTED. DUE TO DETAIL LEVEL OF PLANS AND ISOMETRICS, SOME AREAS MAY NOT SHOW THE DASHED LINE. IT IS THE INTENT OF THESE DOCUMENTS TO PROVIDE HEAT TRACE PROTECTION ON ALL EXPOSED FORCE MAIN PIPING. PROVIDE HEAT TRACE SYSTEM, ACCESSORIES, BRANCHES AND INSULATION TO ACCOMPLISH THE INTENT. CONTRACTOR SHALL BE HELD TO HAVE STUDIED THE DOCUMENTS TO UNDERSTAND THE EXTENT OF PIPING REQUIRED FOR HEAT TRACE PROTECTION.



1 **CLEARWATER WASTE AND VENT ISOMETRIC DIAGRAM**
SCALE:

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General Notes

No.	Description	Date
7	BULLETIN #5	05/14/2018
6	BID DOCUMENTS	09/07/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

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AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
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URBAN DESIGN

Drawing Title

CLEARWATER WASTE AND VENT ISOMETRIC DIAGRAM

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JSW	5/14/2018 3:41:37 PM
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SAR	P-702
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Approver	
Job Number	
215-1051	

ELECTRICAL SYMBOLS AND ABBREVIATIONS

NOTES:
1. SYMBOLS INDICATED HERE AND NOT USED IN THE CONTRACT DOCUMENTS DO NOT APPLY TO THIS PROJECT. ADDITIONAL SYMBOLS MAY BE INDICATED IN THE CONTRACT DOCUMENTS.
2. EXISTING TO REMAIN IS SHOWN WITH DASHED LIGHT LINES.
3. NEW WORK IS SHOWN WITH SOLID HEAVY LINES.

LIGHTING

TYPE — CIRCUIT/SWITCH

TYPE	DESCRIPTION
A	LINE VOLTAGE INCANDESCCENT/HALOGEN
B	LOW VOLTAGE INCANDESCENT/HALOGEN
C	COMPACT FLORESCENT
D	DOUBLE ENDED/PIN, SINGLE ENDED COMPACT HID
F	STANDARD LINEAR FLORESCENT
G	ELECTRODELESS INDUCTION FLORESCENT
H	STANDARD HID
L	LIGHT PIPE/GUIDE/TUBE, FIBER OPTICS
N	NEON/COLD CATHODE
S	SPECIAL PURPOSE
T	TRACK
X	EXIT LIGHT

SUFFIX	DESCRIPTION
E	BATTERY PACK/INVERTER

SURFACE MOUNTED LINEAR FLUORESCENT MOUNTING LOCATION: CEILING
SURFACE MOUNTED LINEAR FLUORESCENT MOUNTING LOCATION: WALL
PENDANT/SUSPENDED LINEAR FLUORESCENT
PENDANT/SUSPENDED FLUORESCENT
RECESSED GRID MOUNTED FLUORESCENT MOUNTING LOCATION: CEILING
RECESSED FLANGE MOUNTED FLUORESCENT MOUNTING LOCATION: CEILING
SURFACE MOUNTED FLUORESCENT MOUNTING LOCATION: CEILING
SURFACE MOUNTED EMERGENCY LINEAR FLUORESCENT MOUNTING LOCATION: CEILING
SURFACE MOUNTED EMERGENCY LINEAR FLUORESCENT MOUNTING LOCATION: WALL
PENDANT/SUSPENDED EMERGENCY LINEAR FLUORESCENT
PENDANT/SUSPENDED EMERGENCY FLUORESCENT
RECESSED GRID MOUNTED EMERGENCY FLUORESCENT. MOUNTING LOCATION: CEILING
RECESSED FLANGE MOUNTED EMERGENCY FLUORESCENT. MOUNTING LOCATION: CEILING
SURFACE MOUNTED EMERGENCY FLUORESCENT. MOUNTING LOCATION: CEILING
SURFACE MOUNTED CRITICAL LINEAR FLUORESCENT MOUNTING LOCATION: CEILING
SURFACE MOUNTED CRITICAL LINEAR FLUORESCENT MOUNTING LOCATION: WALL
PENDANT/SUSPENDED CRITICAL LINEAR FLUORESCENT
PENDANT/SUSPENDED CRITICAL FLUORESCENT
RECESSED GRID MOUNTED CRITICAL FLUORESCENT. MOUNTING LOCATION: CEILING
RECESSED FLANGE MOUNTED CRITICAL FLUORESCENT. MOUNTING LOCATION: CEILING
SURFACE MOUNTED CRITICAL FLUORESCENT. MOUNTING LOCATION: CEILING
SINGLE HEAD EMERGENCY FIXTURE WITH BATTERY PACK
DOUBLE HEAD EMERGENCY FIXTURE WITH BATTERY PACK

RECESSED MOUNTED INCANDESCENT/COMPACT FLUORESCENT/HID MOUNTING LOCATION: CEILING
SURFACE MOUNTED INCANDESCENT/COMPACT FLUORESCENT/HID MOUNTING LOCATION: CEILING
RECESSED MOUNTED INCANDESCENT/COMPACT FLUORESCENT/HID MOUNTING LOCATION: WALL
SURFACE MOUNTED INCANDESCENT/COMPACT FLUORESCENT/HID MOUNTING LOCATION: WALL
PENDANT/SUSPENDED INCANDESCENT/COMPACT FLUORESCENT/HID
RECESSED MOUNTED EMERGENCY INCADESCENT/COMPACT FLUORESCENT/HID MOUNTING LOCATION: WALL
PENDANT/SUSPENDED EMERGENCY INCANDESCENT/COMPACT FLUORESCENT/HID
RECESSED MOUNTED CRITICAL INCADESCENT/COMPACT FLUORESCENT/HID MOUNTING LOCATION: CEILING
SURFACE MOUNTED CRITICAL INCANDESCENT/COMPACT FLUORESCENT/HID MOUNTING LOCATION: CEILING
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SURFACE MOUNTED CRITICAL INCANDESCENT/COMPACT FLUORESCENT/HID MOUNTING LOCATION: WALL
PENDANT/SUSPENDED CRITICAL INCANDESCENT/COMPACT FLUORESCENT/HID
DIRECTIONAL INDICATOR ADDED TO FIXTURE SYMBOL TO DESIGNATE AIMING DIRECTION
EXIT DIRECTIONAL ARROW
SINGLE FACE EXIT FIXTURE MOUNTING LOCATION: CEILING
DOUBLE FACE EXIT FIXTURE MOUNTING LOCATION: CEILING
SINGLE FACE EXIT FIXTURE MOUNTING LOCATION: WALL
DOUBLE FACE EXIT FIXTURE MOUNTING LOCATION: WALL
PILOT LIGHT MOUNTING LOCATION: AS NOTED
TRACK MOUNTING LOCATION: AS NOTED

SWITCHES

$a — SINGLE POLE SWITCH MOUNTING LOCATION: WALL MOUNTING HEIGHT: 3'-6" a = SWITCH DESIGNATION
$3 — THREE WAY SWITCH MOUNTING LOCATION: WALL MOUNTING HEIGHT: 3'-6"
$4 — FOUR WAY SWITCH MOUNTING LOCATION: WALL MOUNTING HEIGHT: 3'-6"
$2 — TWO POLE SWITCH MOUNTING LOCATION: WALL MOUNTING HEIGHT: 3'-6"
$K — KEY SWITCH MOUNTING LOCATION: WALL MOUNTING HEIGHT: 3'-6"
$MC — MOMENTARY CONTACT SWITCH MOUNTING LOCATION: WALL MOUNTING HEIGHT: 3'-6"
$D — DOOR SWITCH MOUNTING LOCATION: WALL MOUNTING HEIGHT: 3'-6"
$P — SWITCH WITH PILOT LIGHT MOUNTING LOCATION: WALL MOUNTING HEIGHT: 3'-6"
$ LV-M — LOW VOLTAGE "M"-MASTER SWITCH MOUNTING LOCATION: WALL MOUNTING HEIGHT: 3'-6"
$DM — REMOTE CONTROL FOR MOTORIZED DAMPER MOUNTING LOCATION: WALL MOUNTING HEIGHT: 3'-6"
LIGHTING CONTACTOR MOUNTING LOCATION: WALL MOUNTING HEIGHT: AS NOTED
DIMMER MOUNTING LOCATION: WALL MOUNTING HEIGHT: 3'-6"
TIME SWITCH MOUNTING LOCATION: WALL MOUNTING HEIGHT: 3'-6"
PHOTO CELL MOUNTING LOCATION: WALL MOUNTING HEIGHT: AS NOTED
AMBIENT LIGHT SENSOR MOUNTING LOCATION: WALL MOUNTING HEIGHT: AS NOTED
AMBIENT LIGHT SENSOR MOUNTING LOCATION: CEILING
OCCUPANCY SENSOR FOR LIGHTING CONTROL PIR = PASSIVE INFRARED 2P = 2 POLE, DUAL RELAY U = ULTRASONIC DT = DUAL TECHNOLOGY PIRA = PIR WITH AMBIENT LIGHT SENSOR MOUNTING LOCATION: WALL MOUNTING HEIGHT: 3'-6"
OCCUPANCY SENSOR FOR LIGHTING CONTROL MOUNTING LOCATION: CEILING
FLOOR SWITCH MOUNTING LOCATION: FLOOR

SITE SYMBOLS

TYPE — CIRCUIT/SWITCH
POLE FIXTURE, ONE HEAD
POLE FIXTURE, TWO HEAD
POLE FIXTURE, FOUR HEAD
BOLLARD OR GROUND MOUNTED FIXTURE
EXTERIOR WALL MOUNTED FIXTURE
E — ELECTRIC POWER
T — TELEPHONE
UG — UNDERGROUND
OH — OVERHEAD
D — DATA

EQUIPMENT AND WIRING

MOTOR
TRANSFORMER - ONE LINE DIAGRAM
ISOLATION TRANSFORMER - ONE LINE DIAGRAM
GROUND CONNECTION
TRANSFORMER
PANELBOARD - NORMAL SURFACE MOUNTED
PANELBOARD - NORMAL FLUSH MOUNTED
PANELBOARD - EMERGENCY/LIFE SAFETY SURFACE MOUNTED
PANELBOARD - EMERGENCY/LIFE SAFETY FLUSH MOUNTED
PANELBOARD - CRITICAL SURFACE MOUNTED
PANELBOARD - CRITICAL FLUSH MOUNTED
LOW VOLTAGE LIGHTING CONTROL PANEL - SURFACE MOUNTED
LOW VOLTAGE LIGHTING CONTROL PANEL - FLUSH MOUNTED
DISTRIBUTION PANELBOARD
MOTOR CONTROL CENTER
CABLE TAP BOX
BUSWAY PLUG-IN UNIT
CURRENT TRANSFORMER
POTENTIAL TRANSFORMER
REVERSE POWER RELAY
NON FUSED DISCONNECT SWITCH
FUSED DISCONNECT SWITCH
BREAKER DISCONNECT SWITCH
MAGNETIC MOTOR STARTER
COMBINATION MOTOR STARTER
MANUAL STARTER W/OVERLOAD PROTECTION
SURFACE JUNCTION BOX
SURFACE JUNCTION BOX - WALL
FLUSH JUNCTION BOX - CEILING
FLUSH JUNCTION BOX - WALL
FLUSH JUNCTION BOX - FLOOR

AUTOMATIC TRANSFER SWITCH
VOLTMETER & SELECTOR SWITCH
AMMETER, SELECTOR SWITCH, & CT'S
EGS — ENGINE GENERATOR SET
GEN — REMOTE GENERATOR ANNUNCIATOR
REMOTE GROUND INDICATOR
ROOM REFERENCE GROUND POINT
GROUND CONNECTION - PLUG-IN
LINE VOLTAGE THERMOSTAT
REVENUE METER, kWh/D
METER WITH CURRENT TRANSFORMER
MOLDED CASE CIRCUIT BREAKER
LOW VOLTAGE DRAW-OUT AIR CIRCUIT BREAKER
SWITCH - ONE LINE DIAGRAM
GROUNDED "Y" SYSTEM
ELECTRIC HEATER
RELAY - TYPE AS NOTED
TIMING RELAY
AIR TERMINAL
PUSH BUTTON
KIRK KEY INTERLOCK
PHYSIOLOGICAL MONITOR OUTLET
PANEL DIVISION ARROW
PANEL DIVISION LINE
WIRING CONCEALED IN FLOOR
WIRING IN CEILING/WALLS
HOMERUN
PNL, A1 INDICATES PANEL AND CIRCUIT
INDICATES NUMBER OF CONDUCTORS
INDICATES NEUTRAL CONDUCTOR
INDICATES GROUND CONDUCTOR
A-1,3,5 - PANEL AND CIRCUITS; PANEL A, CIRCUITS 1,3,5

COMMUNICATION

WALL TELEPHONE OUTLET CONFIGURATION: 1 VOICE MOUNTING LOCATION: FLUSH WALL MOUNTING HEIGHT: 4'-0" AFF
WALL TELEPHONE OUTLET CONFIGURATION: 1 VOICE MOUNTING LOCATION: SURFACE WALL MOUNTING HEIGHT: 4'-0" AFF
WORKSTATION OUTLETS CONFIGURATION: AS INDICATED BY NO. MOUNTING LOCATION: FLUSH WALL MOUNTING HEIGHT: 1'-6" AFF
WORKSTATION OUTLETS CONFIGURATION: AS INDICATED BY NO. MOUNTING LOCATION: SURFACE WALL MOUNTING HEIGHT: 1'-6" AFF
WORKSTATION OUTLETS - FLOOR MOUNTED CONFIGURATION: AS INDICATED BY NO. MOUNTING LOCATION: FLUSH FLOOR MOUNTING HEIGHT: F/FF
WORKSTATION OUTLETS - CEILING MOUNTED CONFIGURATION: AS INDICATED BY NO. MOUNTING LOCATION: FLUSH CEILING MOUNTING HEIGHT: F/FC
WORKSTATION OUTLETS - CEILING MOUNTED CONFIGURATION: ASINDICATED BY NO MOUNTING LOCATION: SURFACE CEILING / STRUCTURE MOUNTING HEIGHT: FIELD VERIFY
WORKSTATION OUTLETS CONFIGURATION: AS INDICATED BY NO. MOUNTING LOCATION: CASEWORK OR ABOVE BACKSPLASH - FLUSH MOUNTING HEIGHT: FIELD VERIFY
WORKSTATION OUTLETS CONFIGURATION: AS INDICATED BY NO. MOUNTING LOCATION: CASEWORK OR ABOVE BACKSPLASH - SURFACE MOUNTING HEIGHT: FIELD VERIFY
WORKSTATION OUTLETS CONFIGURATION: AS INDICATED BY NO. MOUNTING LOCATION: RACEWAY MOUNTING HEIGHT: AS INDICATED BY RACEWAY MOUNTING
WAP — WIRELESS ACCESS POINT CONFIGURATION: (2) CAT6 NO. MOUNTING LOCATION: FLUSH CEILING MOUNTING HEIGHT: F/FC
WAP — WIRELESS ACCESS POINT CONFIGURATION: (2) CAT6 NO. MOUNTING LOCATION: SURFACE CEILING MOUNTING HEIGHT: F/FC
WAP — WIRELESS ACCESS POINT CONFIGURATION: (2) CAT 6 MOUNTING LOCATION: SURFACE WALL MOUNTING HEIGHT: AS NOTED ON DRAWINGS
TV — TV OUTLET CONFIGURATION: 1 COAX MOUNTING LOCATION: WALL MOUNTING HEIGHT: 7'-0" AFF
CP-F — CONTROL PANEL - FLUSH MOUNTING HEIGHT: 54" AFF TO CENTER OF ENCLOSURE
CS-S — CALL STATION - SURFACE MOUNTING HEIGHT: 44" AFF TO CENTER OF ENCLOSURE

SP — SPEAKER MOUNTING LOCATION: CEILING MOUNTING HEIGHT: F/FC #= PAGING ZONE
SP — SPEAKER PANEL MOUNTING LOCATION: CEILING MOUNTING HEIGHT: F/FC #= PAGING ZONE
SPEAKER (BI-DIRECTIONAL HORN-TYPE) MOUNTING LOCATION: WALL MOUNTING HEIGHT: 12" BELOW FINISHED CEILING
SPEAKER (HORN TYPE) MOUNTING LOCATION: WALL MOUNTING HEIGHT: 12" BELOW FINISHED CEILING
VOLUME CONTROL MOUNTING LOCATION: WALL MOUNTING HEIGHT: 36" AFF
INTERCOM STATION MOUNTING LOCATION: WALL MOUNTING HEIGHT: AS NOTED
M — INTERCOM STATION MASTER MOUNTING LOCATION: WALL MOUNTING HEIGHT: AS NOTED
INTERCOM STATION MOUNTING LOCATION: CEILING MOUNTING HEIGHT: F/FC
DIGITAL CLOCK SURFACE MOUNT MOUNTING LOCATION: WALL MOUNTING HEIGHT: AS NOTED
4:00 — D — DIGITAL CLOCK MOUNTING LOCATION: WALL MOUNTING HEIGHT: AS NOTED D= DOUBLE FACED
CLOCK/SPEAKER MOUNTING LOCATION: WALL MOUNTING HEIGHT: AS NOTED
C — CLOCK/SPEAKER W/ CALL IN MOUNTING LOCATION: WALL MOUNTING HEIGHT OF CALL IN: 4'-0"
CLOCK & OUTLET MOUNTING LOCATION: WALL MOUNTING HEIGHT: AS NOTED
D — CLOCK & OUTLET, DOUBLE MOUNTING LOCATION: WALL MOUNTING HEIGHT: AS NOTED
T — CLOCK, INTERVAL TIMER MOUNTING LOCATION: WALL MOUNTING HEIGHT: AS NOTED
M — MASTER CLOCK MOUNTING LOCATION: WALL MOUNTING HEIGHT: AS NOTED
C — OUTLET ONLY MOUNTING LOCATION: WALL MOUNTING HEIGHT: AS NOTED
R — CLOCK RESET BUTTON MOUNTING LOCATION: WALL MOUNTING HEIGHT: AS NOTED
A — ATTENDANCE RECORDER MOUNTING LOCATION: WALL MOUNTING HEIGHT: AS NOTED

RECEPTACLES

DUPLEX RECEPTACLE MOUNTING LOCATION: WALL MOUNTING HEIGHT: 1'-6"
EMERGENCY DUPLEX RECEPTACLE MOUNTING LOCATION: WALL MOUNTING HEIGHT: 1'-6"
SINGLE RECEPTACLE MOUNTING LOCATION: WALL MOUNTING HEIGHT: 1'-6"
DOUBLE DUPLEX RECEPTACLE MOUNTING LOCATION: WALL MOUNTING HEIGHT: 1'-6"
a — EMERGENCY DOUBLE DUPLEX RECEPTACLE MOUNTING LOCATION: WALL MOUNTING HEIGHT: 1'-6"
DUPLEX RECEPTACLE - ABOVE CASEWORK OR 2" ABOVE COUNTERTOP BACKSPLASH MOUNTING LOCATION: WALL MOUNTING HEIGHT: FIELD VERIFY
EMERGENCY DUPLEX RECEPTACLE - ABOVE CASEWORK OR 2" ABOVE COUNTERTOP BACKSPLASH MOUNTING LOCATION: WALL MOUNTING HEIGHT: FIELD VERIFY
POWER OUTLET MOUNTING LOCATION: WALL MOUNTING HEIGHT: 1'-6"
POWER OUTLET, EMERGENCY CIRCUIT MOUNTING LOCATION: WALL MOUNTING HEIGHT: 1'-6"
FIXED EQUIPMENT CONNECTION - WALL MOUNTING LOCATION: WALL MOUNTING HEIGHT: 1'-6"
FIXED EQUIPMENT CONNECTION - WALL EMERGENCY CIRCUIT MOUNTING LOCATION: WALL MOUNTING HEIGHT: 1'-6"
LOCKING RECEPTACLE MOUNTING LOCATION: WALL MOUNTING HEIGHT: 1'-6"
SWITCH/ RECEPTACLE MOUNTING LOCATION: WALL MOUNTING HEIGHT: 3'-6"

DUPLEX RECEPTACLE LOCATED IN SURFACE MOUNTED RACEWAY
EMERGENCY DUPLEX RECEPTACLE MOUNTING LOCATION: WALL MOUNTING HEIGHT: 1'-6"
POWER OUTLET IN SURFACE MOUNTED RACEWAY VOLTAGE AND AMPERAGE AS INDICATED
EMERGENCY POWER OUTLET IN SURFACE MOUNTED RACEWAY VOLTAGE AND AMPERAGE AS INDICATED
DUPLEX RECEPTACLE, UPPER HALF SWITCHED, LOWER HALF HOT MOUNTING LOCATION: WALL MOUNTING HEIGHT: 1'-6"
DOUBLE DUPLEX RECEPTACLE - ABOVE CASEWORK OR 2" ABOVE COUNTERTOP BACKSPLASH MOUNTING LOCATION: WALL MOUNTING HEIGHT: FIELD VERIFY
EMERGENCY DOUBLE DUPLEX RECEPTACLE - ABOVE CASEWORK OR 2" ABOVE COUNTERTOP BACKSPLASH MOUNTING LOCATION: WALL MOUNTING HEIGHT: FIELD VERIFY
DUPLEX RECEPTACLE - CEILING MOUNTING LOCATION: CEILING
EMERGENCY DUPLEX RECEPTACLE - CEILING MOUNTED MOUNTING LOCATION: CEILING
DOUBLE DUPLEX RECEPTACLE - CEILING MOUNTED MOUNTING LOCATION: CEILING
EMERGENCY DOUBLE DUPLEX RECEPTACLE - CEILING MOUNTED MOUNTING LOCATION: CEILING
DUPLEX RECEPTACLE - FLOOR MOUNTED MOUNTING LOCATION: FLOOR
FIXED EQUIPMENT CONNECTION MOUNTING LOCATION: COORDINATE W/ EQUIPMENT
CLOCK/TIMER RECEPTACLE MOUNTING LOCATION: WALL MOUNTING HEIGHT: 8'-0"
J — OUTLETS INSTALLED IN SURFACE MOUNTED RACEWAY
OR
SURFACE MOUNTED RACEWAY A = 6" OUTLET SPACING B = 9" OUTLET SPACING C = 12" OUTLET SPACING D = 18" OUTLET SPACING E = 30" OUTLET SPACING

SECURITY

AA — ALARM ANNUNCIATOR MOUNTING LOCATION: WALL MOUNTING HEIGHT: AS NOTED
BR — BIOMETRICS READER MOUNTING LOCATION: WALL MOUNTING HEIGHT: AS NOTED
DC — DOOR POSITION SWITCH MOUNTING LOCATION: WALL MOUNTING HEIGHT: AS NOTED
EL — ELECTRIFIED LOCK MOUNTING LOCATION: WALL MOUNTING HEIGHT: AS NOTED
GB — GLASS BREAK DETECTOR MOUNTING LOCATION: AS NOTED MOUNTING HEIGHT: AS NOTED
HU — PANIC BUTTON MOUNTING LOCATION: UNDER DESKTOP MOUNTING HEIGHT: FIELD VERIFY
KP — KEYPAD MOUNTING LOCATION: WALL MOUNTING HEIGHT: AS NOTED
M — MAGNETIC DOOR CONTROL MOUNTING LOCATION: WALL MOUNTING HEIGHT: AS NOTED
MD — MOTION DETECTOR MOUNTING LOCATION: CEILING MOUNTING HEIGHT: AS NOTED
PB — PANIC BAR MOUNTING LOCATION: DOOR MOUNTING HEIGHT: FIELD VERIFY
RX — REQUEST TO EXIT MOUNTING LOCATION: WALL MOUNTING HEIGHT: AS NOTED
S — ELECTRIC DOOR STRIKE MOUNTING LOCATION: WALL MOUNTING HEIGHT: AS NOTED
W — MAGNETIC WINDOW CONTROL MOUNTING LOCATION: WALL MOUNTING HEIGHT: AS NOTED
WS — WATCHMAN'S STATION MOUNTING LOCATION: AS NOTED MOUNTING HEIGHT: AS NOTED

CR — X Y — CLOSED CIRCUIT SECURITY CAMERA MOUNTING LOCATION: CEILING MOUNTING HEIGHT: SURFACE CEILING
X = TYPE
PTZ - PAN, TILT, ZOOM
F - FIXED
Y = PURPOSE
S - SECURITY
C - CLINICAL CLOSED CIRCUIT
KEEP ONLY IF USING MULTIPLE TYPES ON ONE PROJECT
CR — CARD READER MOUNTING LOCATION: WALL MOUNTING HEIGHT: AS NOTED
CONFIGURATION:
Y = CONFIGURATION TYPE
S - SECURITY
ID - ID PROXIMITY CARD
MS - MAGNETIC STRIP
REFER TO SHEET TXXX, DETAIL X FOR NOTED MOUNTING HEIGHTS
XXX — DOOR TAG
CP — CONTROL PANEL
DVR — DIGITAL VIDEO RECORDER (DVR)
PS — POWER SUPPLY
1 / X-X — DOOR DETAIL REFERENCE TOP DESIGNATES DETAIL NUMBER BOTTOM DESIGNATES SHEET NUMBER

FIRE

F — PULL STATION/FIRE ALARM BOX
CO_2 — CARBON DIOXIDE
DC — DRY CHEMICAL
DH — DOOR HOLDER
HL — HALON
FO — FOAM
WC — WET CHEMICAL
CA — CLEAN AGENT
WM — WATER MIST
DL — DELUGE FIRE SPRINKLER
PRE — PREACTION
MB — FIRE ALARM MASTER BOX
DK — DRILL KEY
DS — DOOR HOLDER W/ SMOKE DETECTOR
M — MANUAL RELEASING SWITCH
TS — TAMPER SWITCH
VF — FLOW DETECTOR/SWITCH
PS — PRESSURE DETECTOR/SWITCH
MM — MONITORING MODULE
CM — CONTROL MODULE
LS — LEVEL DETECTOR/SWITCH
TSS — TEMPERATURE SUPERVISORY SWITCH
HT — HIGH TEMPERATURE SWITCH
LT — LOW TEMPERATURE SWITCH
VS — VALVE SUPERVISORY SWITCH
VS — VALVE WITH SUPERVISORY SWITCH

I — HEAT DETECTOR/SENSOR XX — XX = TYPE
R/F = COMBINATION RATE OF RISE / FIXED TEMPERTURE
R/C = RATE COMPENSATION
F = FIXED TEMPERATURE
R = RATE OF RISE ONLY
S — SMOKE DETECTOR/SENSOR XX — XX = TYPE
AS = AIR SAMPLING
P = PHOTOELECTRIC
I = IONIZATION
R = RELAY BASE
SS = SINGLE STATION
SB = SOUNDER BASE
ID = IN DUCT
BT = BEAM TRANSMITTER
BR = BEAM RECEIVER
S — SMOKE DETECTOR/SENSOR FOR DUCT
A — GAS DETECTOR/SENSOR XX — XX = TYPE
CO_2 = CARBON DIOXIDE
CO = CARBON MONOXIDE
HCL = HYDROGEN CHLORIDE
CH_4 = METHANE
A — FLAME DETECTOR/SENSOR XX — XX = DETECTION TYPE
UV = ULTRAVIOLET
IR = INFRARED
UV/IR = COMBINATION UV/INFRARED
VR = VISIBLE RADIATION
W — WATER DETECTOR
F — V — HORN ONLY
F — SS — MINI-HORN
F — CH — CHIME - ELECTRONIC
S — SPEAKER ONLY
S — COMBINATION HORN/STROBE
S — COMBINATION SPEAKER/VISIBLE CD = CANDELA RATING/SETTING
S — EMERGENCY SPEAKER/VISIBLE CD = CANDELA RATING/SETTING

AT — ABORT SWITCH
CO_2 — ABORT SWITCH - CARBON DIOXIDE
DC — ABORT SWITCH - DRY CHEMICAL
HL — ABORT SWITCH - HALON
FO — ABORT SWITCH - FOAM
WC — ABORT SWITCH - WET CHEMICAL
CA — ABORT SWITCH - CLEAN AGENT
WM — ABORT SWITCH - WATER MIST
DL — ABORT SWITCH - DELUGE FIRE SPRINKLER
PRE — ABORT SWITCH - PREACTION
F — V — BELL - VIBRATING
F — SS — BELL - SINGLE STROKE
F — T — BELL - TROUBLE
F — G — GONG
F — C — CHIME

FACP — FIRE ALARM ANNUNICATOR PANEL
FACP — FIRE ALARM CONTROL UNIT
FATC — FIRE ALARM TERMINAL CABINET
FACP — EMERGENCY COMMUNICATIONS CONTROL UNIT
FSCP — FIRE SUPPRESSION CONTROL PANEL
FSCU — FIRE SUPPRESSION CONTROL UNIT
FATC — FIRE ALARM COMMUNICATOR
SAP — SPRINKLER ALARM PANEL
WCU — WIRELESS CONTROL UNIT
MFACU — MASTER FIRE ALARM CONTROL UNIT
BATT — BATTERY CABINET
EVAC — VOICE EVACUATION CONTROL UNIT
NAC — NOTIFICATION POWER SUPPLY
GAP — GRAPHIC ANNUNCIATOR PANEL
ARCM — AREA OF REFUGE MASTER UNIT
ARCR — AREA OF REFUGE REMOTE UNIT
VISIBLE ONLY (STROBE) - WALL MOUNT CD = CANDELA RATING/SETTING
VISIBLE ONLY (STROBE) - CEILING MOUNT CD = CANDELA RATING/SETTING
EMERGENCY VISIBLE ONLY (STROBE) - WALL MOUNT CD = CANDELA RATING/SETTING
EMERGENCY VISIBLE ONLY (STROBE) - CEILING MOUNT CD = CANDELA RATING/SETTING
RI — REMOTE INDICATOR
RI — CEILING MOUNT INDICATOR
ROTATING BEACON
RTS — REMOTE ALARM INDICATING AND TEST SWITCH

ELECTRICAL ABBREVIATIONS

A	AMPERES	KO	KNOCK-OUT
AC	ABOVE CEILING/ALTERNATING CURRENT	KV	KILOVOLT
ADO	AUTOMATIC DOOR OPENER	KVA	KILOVOLT-AMPERES
AF	AMPERE FRAME	KW	KILOWATTS
AFF	ABOVE FINISHED FLOOR	KWH	KILOWATT HOURS
AIC	AMP INTERRUPTING CAPACITY	LAN	LOCAL AREA NETWORK
ALT	ALTERNATE	LGT	LIGHT
ARCH	ARCHITECTURAL	LTCP	LOCAL TEMPERATURE CONTROL PANEL
ASC	ABOVE SUSPENDED CEILING	LTG	LIGHTING
AT	AMPERE TRIP	LTS	LIGHTS
ATS	AUTOMATIC TRANSFER SWITCH	LV	LOW VOLTAGE
AUTO	AUTOMATIC	MATV	MASTER ANTENNA TELEVISION
BATS	BYPASS AUTOMATIC TRANSFER SWITCH	MC	MECHANICAL CONTRACTOR
BC	BARE COPPER	MCB	MAIN CIRCUIT BREAKER
BFC	BELOW FINISH CEILING	MCC	MOTOR CONTROL CENTER
BFL	BELOW FLOOR LEVEL	MCP	MOTOR CIRCUIT PROTECTOR
BLDG	BUILDING	MDP	MAIN DISTRIBUTION PANEL
BPIP	BOILER,PLANT INSTRUMENTATION PANEL	MER	MECHANICAL EQUIPMENT ROOM
BRKR	BREAKER	MLO	MAIN LUGS ONLY
C	CONDUIT	MH	MANHOLE
CB	CIRCUIT BREAKER	MPTB	MUSIC & PAGE TERMINAL BOX
CCTV	CLOSED CIRCUIT TELEVISION	MTD	MOUNTED
CCT	CIRCUIT	MTG	MOUNTING
CCT BKR	CIRCUIT BREAKER	MTG HGT	MOUNTING HEIGHT
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED	MTR	MOTOR/METER
		N/A	NOT APPLICABLE
CLG	CEILING	NC	NEW CONNECTION/NORMALLY CLOSED
CO	CO-ORDIJNT ONLY	NEC	NATIONAL ELECTRICAL CODE
CONTR	CONTRACTOR	NFD	NON-FUSED DISCONNECT
CORR	CORRIDOR	NFSS	NON-FUSED SAFETY SWITCH
CR	CONTROL RELAY	NIC	NOT IN CONTRACT
CT	CURRENT TRANSFORMER	NL	NIGHT LIGHT
DB	DIRECT BURIAL	NO	NORMALLY OPEN
DC	DIRECT CURRENT	NTS	NOT TO SCALE
DED	DEDICATED	OC	ON CENTER
DET	DETAIL	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
DIA	DIAMETER		
DISC	DISCONNECT	OFOI	OWNER FURNISHED OWNER INSTALLED
DN	DOWN	P	POLE
DP	DISTRIBUTION PANEL	PA	PUBLIC ADDRESS
DS	DISCONNECT SWITCH	PB	PULL BOX/PUSHBUTTON
EC	EMPTY CONDUIT/ELECTRICAL CONTRACTOR	PBPU	PREF-ABRICATED BEDSIDE PATIENT POWER UNIT
ECL	EMERGENCY CRITICAL LIGHTING		
ECP	EMERGENCY CRITICAL POWER	PC	PLUMBING CONTRACTOR/PHOTOCELL
EDB	ELECTRIC DUCT BANK	PDU	POWER DISTRIBUTION UNIT
EG	EQUIPMENT GROUND	PF	POWER FACTOR
EGS	ENGINE GENERATOR SET	PH	PHASE
EJ	EXPANSION JOINT	PLBG	PLUMBING
ELEC	ELECTRIC/ELECTRICAL	PNL	PANEL
ELL	EMERGENCY LIFE SAFETY LIGHTING	POD	POWER OPERATED DAMPER
ELP	EMERGENCY LIFE SAFETY POWER	PT	POTENTIAL TRANSFORMER
EMER	EMERGENCY	PTRV	POWER TYPE ROOF VENTILATOR
EMI	ELECTROMAGNETIC INTERFERENCE	PWR	POWER
EMT	ELECTRICAL METALLIC TUBING	REC	RECESSED
EQUIP	EQUIPMENT	RECEP	RECEPTACLE
ESM	ELECTRIC STRIP MOLD	REL	RELOCATE
ETR	EXISTING TO REMAIN	REQD	REQUIRED
EWC	ELECTRIC WATER COOLER	RGP	REMOTE GROUND INDICATOR PANEL
FAFC	FLUSH WITH FINISHED CEILING	RMC	RIGID METAL CONDUIT
FIFF	FLUSH WITH FINISHED FLOOR	RVAT	REDUCED VOLTAGE AUTO TRANSFORMER
FIFW	FLUSH WITH FINISHED WALL	SHT	SHEET
FA	FIRE ALARM	SIG	SIGNAL
FACP	FIRE ALARM CONTROL PANEL	SIM	SIMILAR
FCU	FAN COIL UNIT	SPEC	SPECIFICATION
FDR	FEEDER	SS	SAFETY SWITCH
FDS	FUSED DISCONNECT SWITCH	STA	STATION
FI	FILM ILLUMINATOR	STR	STARTER
FIXT	FIXTURE	SW	SWITCH
FL	AT FLOOR LINE	SWBD	SWITCHBOARD
FLA	FULL LOAD AMPERES	SWGR	SWITCHGEAR
FLEX	FLEXIBLE	TEL	TELEPHONE
FLR	FLOOR	TFA	TO FLOOR ABOVE
FLUOR	FLUORESCENT	TFB	TO FLOOR BELOW
FS	FLOW SWITCH	TS	TAMPER SWITCH/TIME SWITCH
FSS	FUSED SAFETY SWITCH	TV	TELEVISION
FSCP	FLAME SAFEGUARD CONTROL PANEL	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
FVNR	FULL VOLTAGE NON-REVERSING	TVTC	TELEVISION TERMINAL CABINET
GC	GENERAL CONTRACTOR	TYP	TYPICAL
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	UC	UNDER COUNTER
GFP	GROUND FAULT PROTECTION	UG	UNDERGROUND
GND	GROUND	UH	UNIT HEATER
GEN	GENERATOR	UNO	UNLESS NOTED OTHERWISE
GFI	GROUND FAULT INTERRUPTER	UPS	UNINTERRUPTED POWER SUPPLY
GTB	GROUND TERMINAL BOX	V	VOLTAGE
HH	HANDHOLE	VFD	VARIABLE FREQUENCY DRIVE
HOA	HAND OFF AUTOMATIC	VP	VAPOR PROOF
HP	HORSE POWER	W	WIRE
HT	HEIGHT/HEAT TRACE	W/	WITH
HV	HIGH VOLTAGE	WP	WEATHERPROOF
IMC	INTERMEDIATE METAL CONDUIT	WS	WALL SURFACE
INCAND	INCANDESCENT	WT	WATER TIGHT
JB	JUNCTION BOX	X	EXISTING
		XFMR	TRANSFORMER
		XP	EXPLOSION PROOF

SHEET SYMBOLS

NOTE DESIGNATION
LINE CONTINUE BREAK
1 / X0.0 — DETAIL REFERENCE TOP DESIGNATES DETAIL NUMBER BOTTOM DESIGNATES ON WHICH SHEET DETAIL APPEARS
ELEVATION DESIGNATION
REVISION NUMBER DESIGNATION
REFER / X0.0 — PLAN CONTINUATION DESIGNATION
NEW WORK CONNECTION TO EXISTING WORK DESIGNATION
1 / X0.0 — SECTION REFERENCE TOP DESIGNATES SECTION NUMBER BOTTOM DESIGNATES ON WHICH SHEET SECTION APPEARS
EQ # — EQUIPMENT DESIGNATION TOP DESIGNATES EQUIPMENT ABBREVIATION BOTTOM DESIGNATES EQUIPMENT NUMBER

General Notes

No.	Description	Date
6	BID DOCUMENTS	09/07/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

NEW MUNICIPAL PARKING FACILITY

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

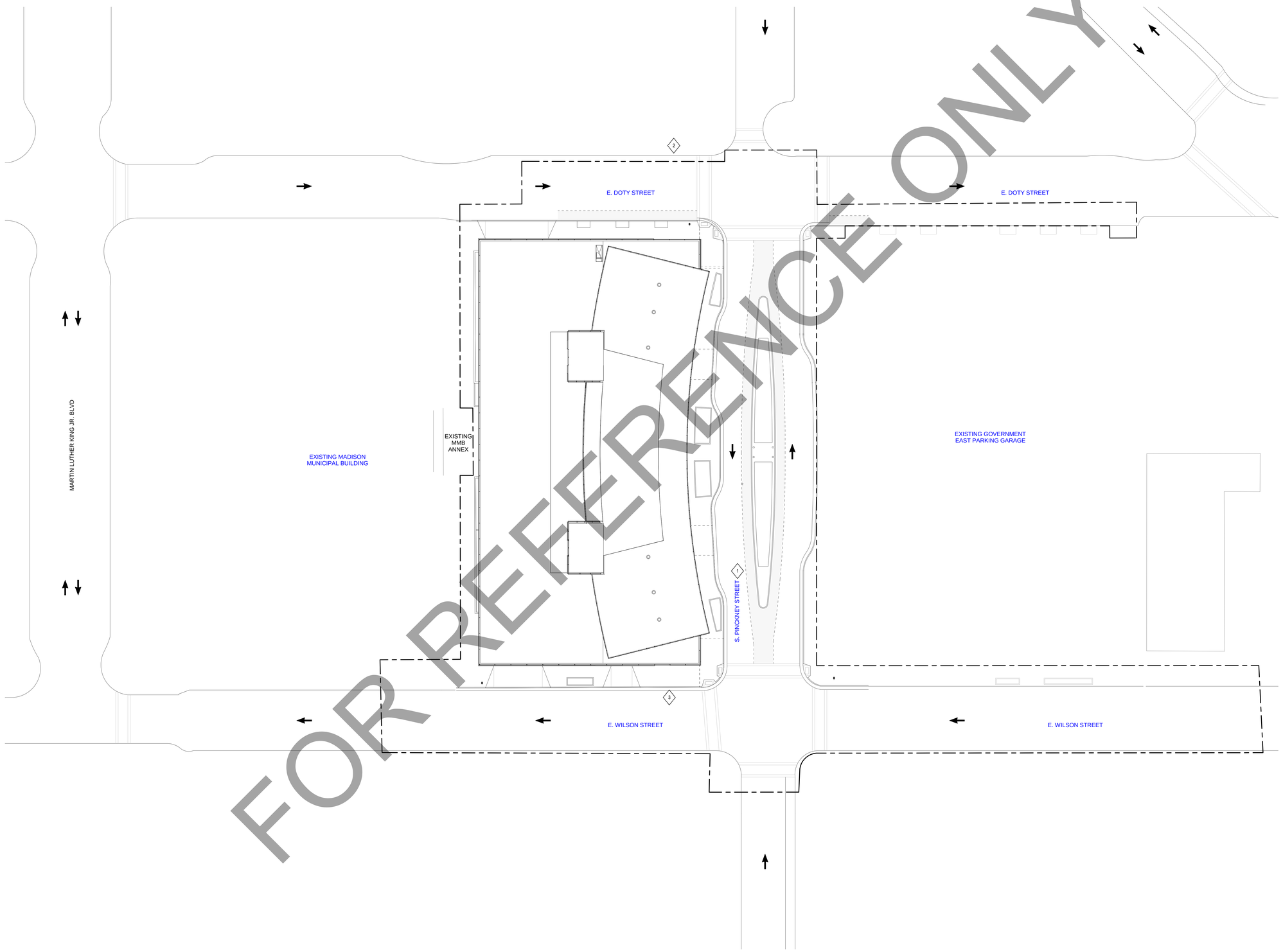
PARK

GENERAL NOTES

1. COORDINATE NEW LIGHTING LOCATIONS WITH CITY PROVIDED LIGHTING.
2. REFER TO 6/E-500 FOR POLE BASE DETAIL. REFER TO CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION ARTICLE 605 - INSTALLATION OF STREET LIGHTING UNITS FOR FURTHER REQUIREMENTS.

SHEET KEY NOTES

1. THREE EXISTING STREET LIGHTING POLES ALONG THIS PORTION OF SOUTH PINCKNEY STREET TO BE REMOVED AND REPLACED WITH NEW. NEW FIXTURES SHALL MEET CITY OF MADISON REQUIREMENTS. INTERCEPT AND EXTEND EXISTING CIRCUITING ROUTED UNDER THE SIDEWALK ALONG THE WEST SIDE OF SOUTH PINCKNEY STREET TO NEW LIGHT FIXTURE LOCATIONS. TURN OVER EXISTING LIGHT FIXTURES TO THE CITY.
2. EXISTING STREET LIGHT ALONG THIS PORTION OF EAST DOTY STREET TO BE REMOVED AND REPLACED WITH NEW FIXTURES. NEW FIXTURES SHALL MEET CITY OF MADISON REQUIREMENTS. INTERCEPT AND EXTEND EXISTING CIRCUITING ROUTED UNDER THE SIDEWALK ALONG THE NORTH SIDE OF EAST DOTY STREET TO NEW LIGHT FIXTURE LOCATION(S). TURN OVER EXISTING LIGHT FIXTURES TO THE CITY.
3. EXISTING STREET LIGHT ALONG THIS PORTION OF EAST WILSON STREET TO BE REMOVED AND REPLACED WITH NEW FIXTURES. NEW FIXTURES SHALL MEET CITY OF MADISON REQUIREMENTS. INTERCEPT AND EXTEND EXISTING CIRCUITING ROUTED UNDER THE SIDEWALK ALONG THE NORTH SIDE OF EAST WILSON STREET TO NEW LIGHT FIXTURE LOCATION(S). TURN OVER EXISTING LIGHT FIXTURES TO THE CITY.



FOR REFERENCE ONLY

1 **Site New**
SCALE: 3/64" = 1'-0"

TRUE NORTH
PROJECT NORTH

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General Notes

No.	Description	Date
6	BID DOCUMENTS	08/07/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
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1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

NEW MUNICIPAL PARKING FACILITY

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

ELECTRICAL SITE PLAN

Drawn	Date
AEI	9/5/2017 12:00:12 PM
Checked By	**Drawing Number**
AEI	
Approved	
AEI	
Job Number	
215-1051	

E-001

GENERAL NOTES

1. ALL SWITCHED/CONTROLLED EMERGENCY LIGHTING SHALL BE CONTROLLED ON TO 100% UPON LOSS OF NORMAL POWER VIA A UL924 TRANSFER DEVICE. REFER TO DETAIL 5 ON SHEET E-500 FOR MORE INFORMATION.
2. REFER TO SHEET E-601 FOR LUMINAIRE SCHEDULE.
3. ALL EMERGENCY LIGHTING AND EXIT SIGNS ON THIS SHEET SHALL BE CIRCUITED TO PANEL U3EPHC1. ALL NORMAL LIGHTING ON THIS SHEET SHALL BE CIRCUITED TO PANEL U3NHPC1.
4. ALL F1, F1A & F1B FIXTURES SHALL BE UNSWITCHED NIGHT LIGHTS AND SHALL REMAIN ON 24/7.
5. WHERE LIGHT FIXTURES ARE TO BE INSTALLED UNDER DUCTWORK PROVIDE CHANNEL FRAME ASSEMBLY TO HANG FIXTURES HEIGHT OF OTHER SIMILAR FIXTURES IN THE AREA. COORDINATE WITH OTHER TRADES.

SHEET KEY NOTES

1 PROVIDE SWITCH AND FIXTURE FOR ELEVATOR PIT. COORDINATE EXACT LOCATION WITH ELEVATOR SHOP DRAWINGS AND ELEVATOR CONTRACTOR.

FOR REFERENCE ONLY

1 **LIGHTING UNDERGROUND PARKING PLAN - LEVEL U4**

SCALE: 1/8" = 1'-0"

General Notes

No.	Description	Date
6	BID DOCUMENTS	09/07/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

NEW MUNICIPAL PARKING FACILITY

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS
MADISON | CHICAGO | ST. LOUIS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS
A WSP | PARSONS BRINCKERHOFF COMPANY

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

LIGHTING UNDERGROUND PARKING PLAN - LEVEL U4

Drawn	Date
AEI	9/5/2017 12:00:16 PM
Checked By	**Drawing Number**
AEI	
Approved	
AEI	
Job Number	
215-1051	

E-100.1

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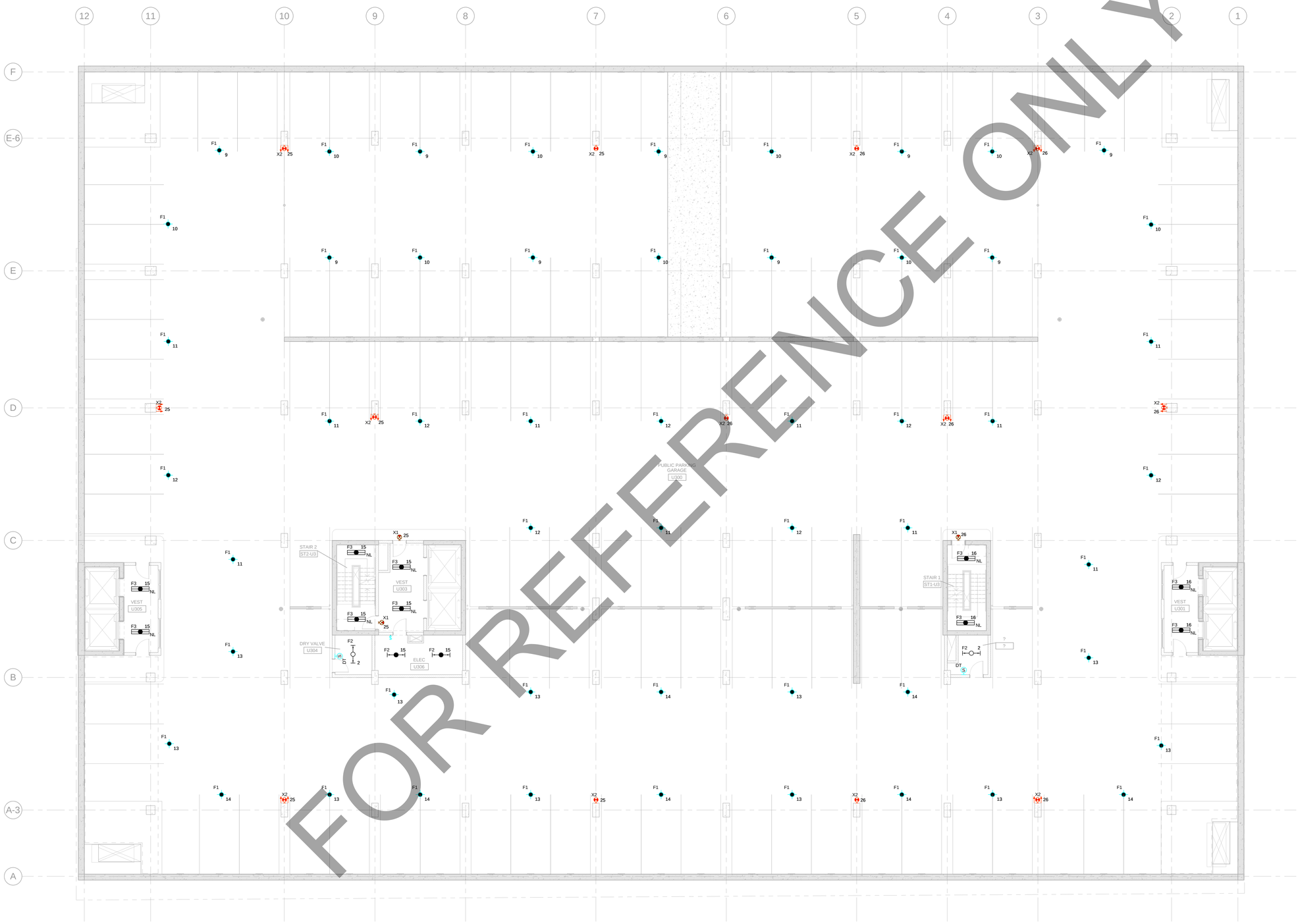
9/5/2017 12:00:16 PM

GENERAL NOTES

1. ALL SWITCHED/CONTROLLED EMERGENCY LIGHTING SHALL BE CONTROLLED ON TO 100% UPON LOSS OF NORMAL POWER VIA A UL924 DEVICE. REFER TO DETAIL 5 ON SHEET E-500 FOR MORE INFORMATION.
2. REFER TO SHEET E-601 FOR LUMINAIRE SCHEDULE.
3. ALL EMERGENCY LIGHTING AND EXIT SIGNS ON THIS SHEET SHALL BE CIRCUITED TO PANEL U3EPHC1. ALL NORMAL LIGHTING ON THIS SHEET SHALL BE CIRCUITED TO PANEL U3NHPC1.
4. ALL F1, F1A,& F1B FIXTURES SHALL BE UNSWITCHED NIGHT LIGHTS AND SHALL REMAIN ON 24/7.
5. WHERE LIGHT FIXTURES ARE TO BE INSTALLED UNDER DUCTWORK PROVIDE CHANNEL FRAME ASSEMBLY TO HANG FIXTURES HEIGHT OF OTHER SIMILAR FIXTURES IN THE AREA. COORDINATE WITH OTHER TRADES.



FOR REFERENCE ONLY

1 **LIGHTING UNDERGROUND PARKING PLAN - LEVEL U3**

SCALE: 1/8" = 1'-0"

General Notes

No.	Description	Date
6	BID DOCUMENTS	09/07/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

NEW MUNICIPAL PARKING FACILITY

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS
MADISON | CHICAGO | ST. LOUIS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS
A WSP | PARSONS BRINCKERHOFF COMPANY

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

LIGHTING UNDERGROUND PARKING PLAN - LEVEL U3

Drawn	Date
AEI	9/5/2017 12:00:20 PM
Checked By	**Drawing Number**
AEI	
Approved	
AEI	
Job Number	
215-1051	

E-100.2

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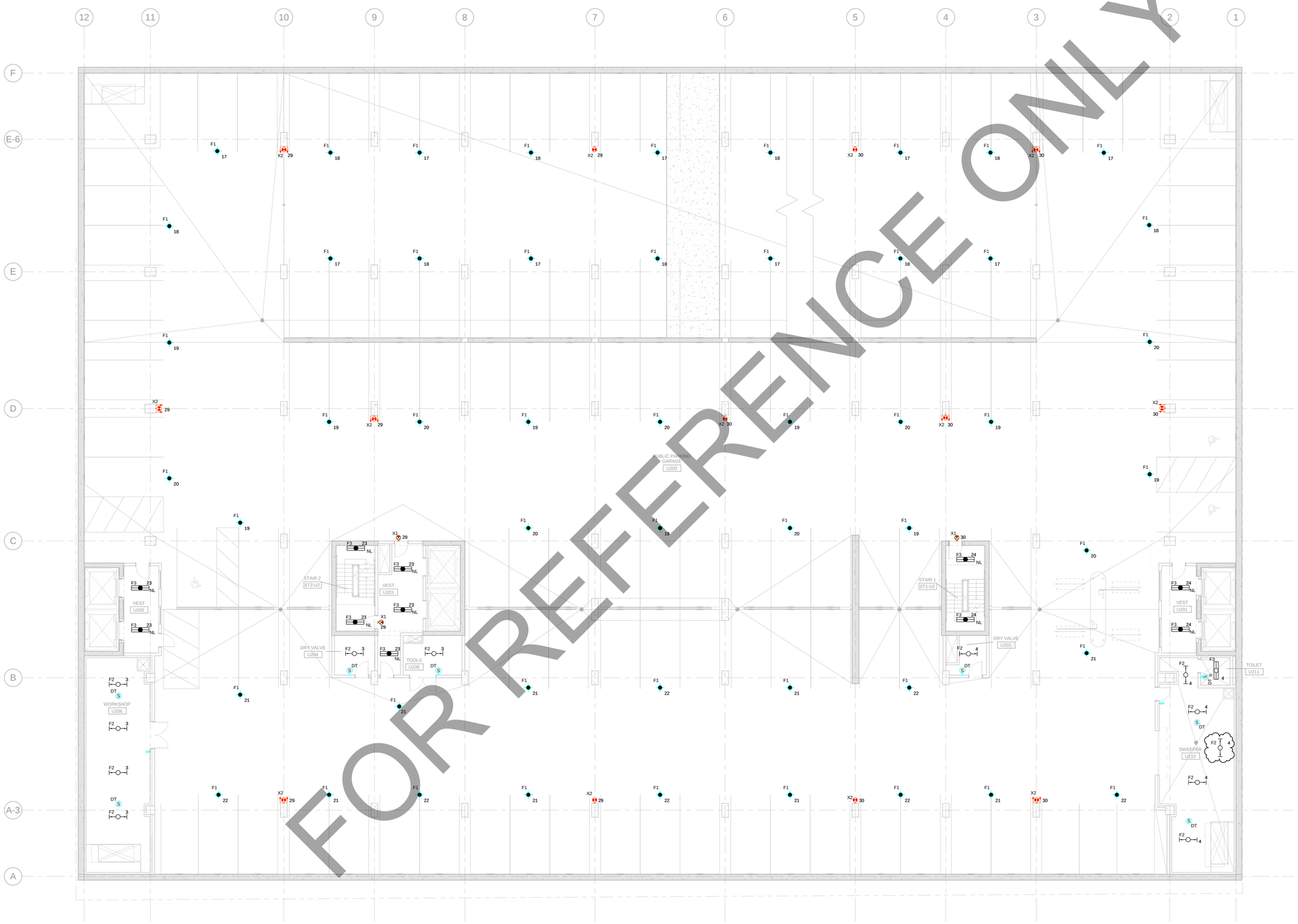
9/5/2017 12:00:20 PM

GENERAL NOTES

1. ALL SWITCHED/CONTROLLED EMERGENCY LIGHTING SHALL BE CONTROLLED ON TO 100% UPON LOSS OF NORMAL POWER VIA A UL924 DEVICE. REFER TO DETAIL 5 ON SHEET E-500 FOR MORE INFORMATION.
2. REFER TO SHEET E-601 FOR LUMINAIRE SCHEDULE.
3. ALL EMERGENCY LIGHTING AND EXIT SIGNS ON THIS SHEET SHALL BE CIRCUITED TO PANEL U3EPHC1. ALL NORMAL LIGHTING ON THIS SHEET SHALL BE CIRCUITED TO PANEL U3NHPC1.
4. ALL F1, F1A,& F1B FIXTURES SHALL BE UNSWITCHED NIGHT LIGHTS AND SHALL REMAIN ON 24/7.
5. WHERE LIGHT FIXTURES ARE TO BE INSTALLED UNDER DUCTWORK PROVIDE CHANNEL FRAME ASSEMBLY TO HANG FIXTURES HEIGHT OF OTHER SIMILAR FIXTURES IN THE AREA. COORDINATE WITH OTHER TRADES.



FOR REFERENCE ONLY

1 **LIGHTING UNDERGROUND PARKING PLAN - LEVEL U2**

SCALE: 1/8" = 1'-0"

No.	Description	Date
7	BULLETIN #3	03/05/2018
6	BID DOCUMENTS	09/07/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

NEW MUNICIPAL PARKING FACILITY

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

General Notes

Drawing Title

LIGHTING UNDERGROUND PARKING PLAN - LEVEL U2

Drawn	Date
AEI	3/8/2018 10:09:04 AM
Checked By	**Drawing Number**
AEI	
Approved	
AEI	E-100.3
Job Number	
215-1051	

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3/8/2018 10:09:04 AM

GENERAL NOTES

1. ALL SWITCHED/CONTROLLED EMERGENCY LIGHTING SHALL BE CONTROLLED ON TO 100% UPON LOSS OF NORMAL POWER VIA A UL924 DEVICE. REFER TO DETAIL 5 ON SHEET E-500 FOR MORE INFORMATION.
2. REFER TO SHEET E-601 FOR LUMINAIRE SCHEDULE.
3. ALL EMERGENCY LIGHTING AND EXIT SIGNS ON THIS SHEET SHALL BE CIRCUITED TO PANEL L1EPHA1. ALL NORMAL LIGHTING ON THIS SHEET SHALL BE CIRCUITED TO PANEL U0NHPA1.
4. ALL F1, F1A,& F1B FIXTURES SHALL BE UNSWITCHED NIGHT LIGHTS AND SHALL REMAIN ON 24/7.
5. WHERE LIGHT FIXTURES ARE TO BE INSTALLED UNDER DUCTWORK PROVIDE CHANNEL FRAME ASSEMBLY TO HANG FIXTURES HEIGHT OF OTHER SIMILAR FIXTURES IN THE AREA. COORDINATE WITH OTHER TRADES.

FOR REFERENCE ONLY

1 **LIGHTING UNDERGROUND PARKING PLAN - LEVEL U1**

SCALE: 1/8" = 1'-0"

General Notes

No.	Description	Date
6	BID DOCUMENTS	09/07/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

NEW MUNICIPAL PARKING FACILITY

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS
MADISON | CHICAGO | ST. LOUIS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS
A WSP | PARSONS BRINCKERHOFF COMPANY

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

LIGHTING UNDERGROUND PARKING PLAN - LEVEL U1

Drawn	Date
AEI	9/5/2017 12:00:29 PM
Checked By	**Drawing Number**
AEI	
Approved	
AEI	
Job Number	
215-1051	

E-100.4

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GENERAL NOTES

1. ALL SWITCHED/CONTROLLED EMERGENCY LIGHTING SHALL BE CONTROLLED ON TO 100% UPON LOSS OF NORMAL POWER VIA A UL924 DEVICE. REFER TO DETAIL 5 ON SHEET E-500 FOR MORE INFORMATION.
2. REFER TO SHEET E-601 FOR LUMINAIRE SCHEDULE.
3. ALL EMERGENCY LIGHTING AND EXIT SIGNS ON THIS SHEET SHALL BE CIRCUITED TO PANEL L1EPHA1. ALL NORMAL LIGHTING ON THIS SHEET SHALL BE CIRCUITED TO PANEL U0NHPA1.
4. ALL F1, F1A, & F1B FIXTURES SHALL BE UNSWITCHED NIGHT LIGHTS AND SHALL REMAIN ON 24/7.
5. WHERE LIGHT FIXTURES ARE TO BE INSTALLED UNDER DUCTWORK PROVIDE CHANNEL FRAME ASSEMBLY TO HANG FIXTURES HEIGHT OF OTHER SIMILAR FIXTURES IN THE AREA. COORDINATE WITH OTHER TRADES.

SHEET KEY NOTES

1. MOUNT LIGHTING FIXTURE ON CHANNEL FRAME BELOW DUCT.
2. INTERMATIC ASTRONOMIC TIME CLOCK ET90415 OR ENGINEER APPROVED EQUAL. TIME CLOCK TO CONTROL ENTRY WAY LIGHTING ON SHEETS E-101.0 AND E-102.0. CIRCUITS 4, 5, 23, 24 ON PANEL L1EPHA1. SEE SHEETS E-101.0 AND E-102.0 FOR FIXTURES/CIRCUITS BEING CONTROLLED.

FOR REFERENCE ONLY

1 LIGHTING UNDERGROUND PARKING PLAN - LEVEL U0

SCALE: 1/8" = 1'-0"

General Notes

No.	Description	Date
7	BID DOCUMENTS	09/07/2017
6	ADDENDUM 2	07/28/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

NEW MUNICIPAL PARKING FACILITY

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS
MADISON | CHICAGO | ST. LOUIS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS
A WSP | PARSONS BRINCKERHOFF COMPANY

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

LIGHTING UNDERGROUND PARKING PLAN - LEVEL U0

Drawn	Date
AEI	9/5/2017 12:00:34 PM
Checked By	**Drawing Number**
AEI	
Approved	
AEI	
Job Number	
215-1051	

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9/5/2017 12:00:34 PM

GENERAL NOTES

1. ALL SWITCHED/CONTROLLED EMERGENCY LIGHTING SHALL BE CONTROLLED ON TO 100% UPON LOSS OF NORMAL POWER VIA A UL924 DEVICE. REFER TO DETAIL 5 ON SHEET E-500 FOR MORE INFORMATION.
2. REFER TO SHEET E-601 FOR LUMINAIRE SCHEDULE.
3. ALL EMERGENCY LIGHTING AND EXIT SIGNS ON THIS SHEET SHALL BE CIRCUITED TO PANEL L1EPHA1. ALL NORMAL LIGHTING ON THIS SHEET SHALL BE CIRCUITED TO PANEL U2NHPA1.
4. ALL F1, F1A, F1B, & F1C FIXTURES SHALL BE UNSWITCHED NIGHT LIGHTS AND SHALL REMAIN ON 24/7.
5. WHERE LIGHT FIXTURES ARE TO BE INSTALLED UNDER DUCTWORK PROVIDE CHANNEL FRAME ASSEMBLY TO HANG FIXTURES HEIGHT OF OTHER SIMILAR FIXTURES IN THE AREA. COORDINATE WITH OTHER TRADES.

SHEET KEY NOTES

1. MOUNT LIGHTING FIXTURE ON CHANNEL FRAME BELOW DUCT.
2. ENTRYWAY LIGHTING CIRCUITS 4, 5 ON PANEL L1EPHA1 SHALL BE CONTROLLED THROUGH TIME CLOCK IN MAIN ELECTRICAL ROOM U006. SEE SHEET E-100.5 FOR TIME CLOCK LOCATION AND MORE INFORMATION.
3. COORDINATE EXACT LOCATION OF FIXTURE WITH ARCHITECT AND HUB PARKING TECHNOLOGY SUPPLIER. PROVIDE (2) #12 AND (1) #12 GND IN 3/4" CONDUIT BETWEEN GATE CONTROLLER AND LIGHT. COORDINATE ROUTING TO GATE CONTROL SYSTEM WITH HUB PARKING TECHNOLOGY SUPPLIER PRIOR TO INSTALLATION.

FOR REFERENCE ONLY

1 **LIGHTING LEVEL 1 PLAN - WILSON STREET**
SCALE: 1/8" = 1'-0"

General Notes

No.	Description	Date
11	BULLETIN #7	10/15/2018
10	BULLETIN #5	05/14/2018
9	BULLETIN #3	03/05/2018
8	BULLETIN #2	12/07/2017
7	BID DOCUMENTS	09/07/2017
6	ADDENDUM 2	07/28/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

NEW MUNICIPAL PARKING FACILITY

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

LIGHTING LEVEL 1 PLAN - WILSON STREET

Drawn	Date
AEI	10/15/2018 10:24:06 AM
Checked By	Drawing Number
AEI	
Approved	
AEI	E-101.0
Job Number	
215-1051	

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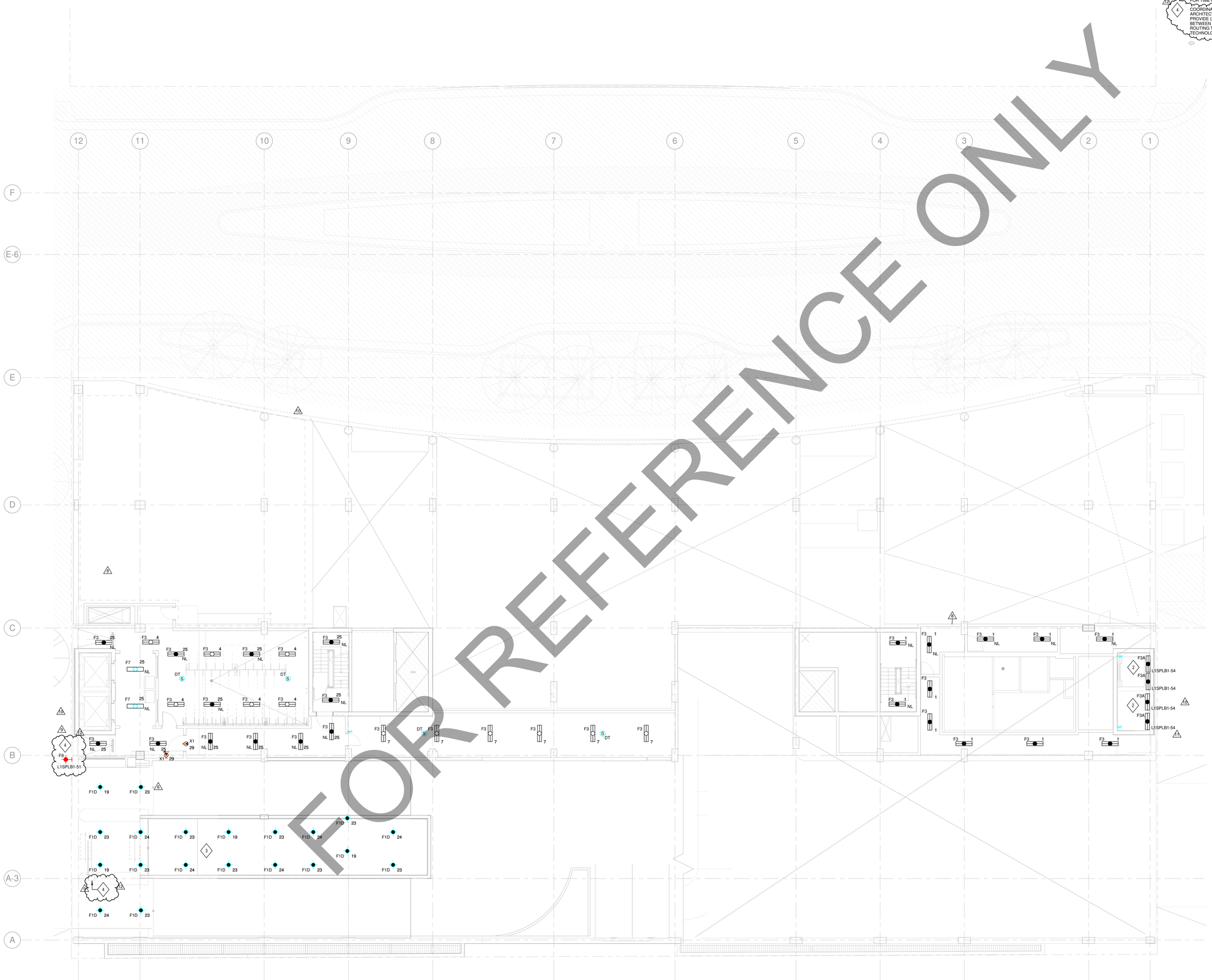
10/15/2018 10:24:06 AM

GENERAL NOTES

1. ALL SWITCHED/CONTROLLED EMERGENCY LIGHTING SHALL BE CONTROLLED ON TO 100% UPON LOSS OF NORMAL POWER VIA A UL924 DEVICE. REFER TO DETAIL 5 ON SHEET E-500 FOR MORE INFORMATION.
2. REFER TO SHEET E-601 FOR LUMINAIRE SCHEDULE.
3. ALL EMERGENCY LIGHTING AND EXIT SIGNS ON THIS SHEET SHALL BE CIRCUITED TO PANEL L1EPHA1. ALL NORMAL LIGHTING ON THIS SHEET SHALL BE CIRCUITED TO PANEL U2NHPA1.
4. ALL F1, F1A, F1B, & F1D FIXTURES SHALL BE UNSWITCHED NIGHT LIGHTS AND SHALL REMAIN ON 24/7.
5. WHERE LIGHT FIXTURES ARE TO BE INSTALLED UNDER DUCTWORK PROVIDE CHANNEL FRAME ASSEMBLY TO HANG FIXTURES HEIGHT OF OTHER SIMILAR FIXTURES IN THE AREA. COORDINATE WITH OTHER TRADES.

SHEET KEY NOTES

1. NOT USED.
2. ELEVATOR SHAFT LIGHTS AND SWITCH COORDINATE LOCATION WITH APPROVED ELEVATOR SHOP DRAWINGS. LIGHT SWITCH SHALL BE LOCATED SO AS TO BE READILY ACCESSIBLE FROM ELEVATOR ACCESS DOOR. PROVIDE CIRCUITING FROM SAME CIRCUIT AS RECEPTACLE IN ELEVATOR PIT. LUMINAIRES SHALL BE LOCATED AFTER REVIEW OF APPROVED ELEVATOR SHOP DRAWINGS 19 FOOTCANDLES AT WORKING PLATFORM AND SPACE ABOVE ELEVATOR CAR ARE REQUIRED.
3. ENTRYWAY LIGHTING CIRCUITS 23 AND 24 ON PANEL L1EPHA1 SHALL BE CONTROLLED THROUGH TIME CLOCK IN MAIN ELECTRICAL ROOM U006. SEE SHEET E.100.5 FOR TIME CLOCK LOCATION AND MORE INFORMATION.
4. COORDINATE EXACT LOCATION OF FIXTURE WITH ARCHITECT AND HUB PARKING TECHNOLOGY SUPPLIER. PROVIDE (2) #12 AND (1) #12 GND IN 3/4" CONDUIT BETWEEN GATE CONTROLLER AND LIGHT. COORDINATE ROUTING TO GATE CONTROL SYSTEM WITH HUB PARKING TECHNOLOGY SUPPLIER PRIOR TO INSTALLATION.



FOR REFERENCE ONLY

1 **LIGHTING LEVEL 2 PLAN - DOTY STREET**
SCALE: 1/8" = 1'-0"

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General Notes

No.	Description	Date
12	BULLETIN #7	10/15/2018
11	MODIFICATION TO BULLETIN #6	09/26/2018
10	BULLETIN #6	09/14/2018
9	BULLETIN #5	05/14/2018
8	BULLETIN #2	12/07/2017
7	BID DOCUMENTS	09/07/2017
6	ADDENDUM 2	07/28/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

NEW MUNICIPAL PARKING FACILITY

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

LIGHTING LEVEL 2 PLAN - DOTY STREET

Drawn	Date
AEI	10/15/2018 10:24:09 AM
Checked By	**Drawing Number**
AEI	
Approved	
AEI	E-102.0
Job Number	
215-1051	

GENERAL NOTES

1. ALL SWITCHED/CONTROLLED EMERGENCY LIGHTING SHALL BE CONTROLLED ON TO 100% UPON LOSS OF NORMAL POWER VIA A UL924 DEVICE. REFER TO DETAIL 5 ON SHEET E-500 FOR MORE INFORMATION.
2. REFER TO SHEET E-601 FOR LUMINAIRE SCHEDULE.
3. ALL EMERGENCY LIGHTING AND EXIT SIGNS ON THIS SHEET SHALL BE CIRCUITED TO PANEL L1EPHA1. ALL NORMAL LIGHTING ON THIS SHEET SHALL BE CIRCUITED TO PANEL U2NHPA1.
4. ALL F1, F1A, F1B, & F1D FIXTURES SHALL BE UNSWITCHED NIGHT LIGHTS AND SHALL REMAIN ON 24/7.
5. WHERE LIGHT FIXTURES ARE TO BE INSTALLED UNDER DUCTWORK PROVIDE CHANNEL FRAME ASSEMBLY TO HANG FIXTURES HEIGHT OF OTHER SIMILAR FIXTURES IN THE AREA. COORDINATE WITH OTHER TRADES.

SHEET KEY NOTES

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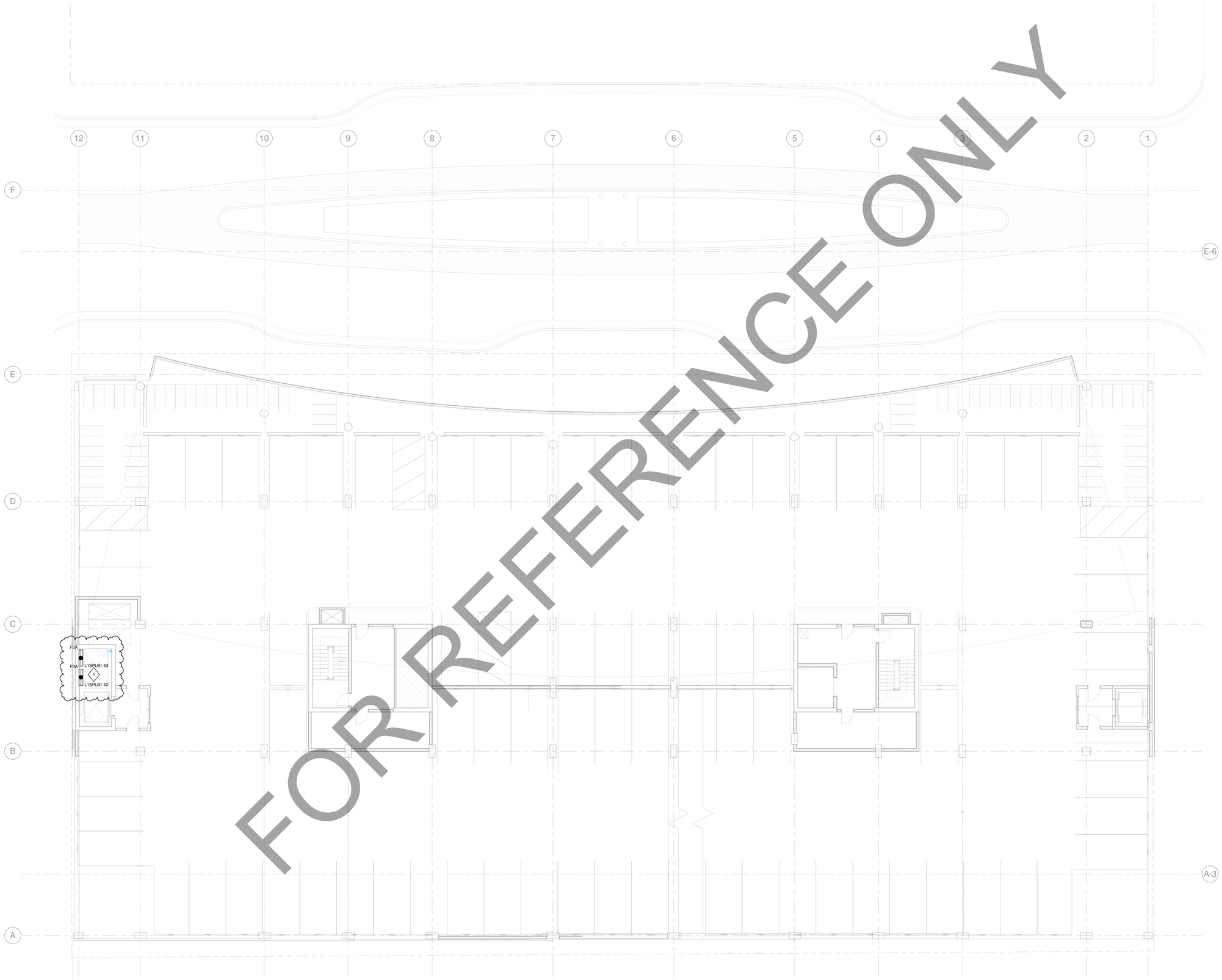

FOR REFERENCE ONLY

1 **LIGHTING LEVEL 3 PLAN**
SCALE: 1/8" = 1'-0"

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9/14/2018 11:40:01 AM

General Notes

No.	Description	Date
1	FINAL BULLETIN #6	09/14/2018

JUDGE DOYLE SQUARE - BLOCK 88

NEW MUNICIPAL PARKING FACILITY

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano
ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS
MADISON | CHICAGO | DENVER

PARKING CONSULTANT:
WALKER
PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS
A WALT PARKING ARCHITECTS COMPANY

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

LIGHTING LEVEL 3 PLAN

Drawn	Date
Author	9/14/2018 11:40:01 AM
Checked By	**Drawing Number**
Checker	
Approved	
Approver	
Job Number	
215-1051	

E-103.0

GENERAL NOTES

1. ALL SWITCHED/CONTROLLED EMERGENCY LIGHTING SHALL BE CONTROLLED ON TO 100% UPON LOSS OF NORMAL POWER VIA A UL924 DEVICE. REFER TO DETAIL 5 ON SHEET E-500 FOR MORE INFORMATION.
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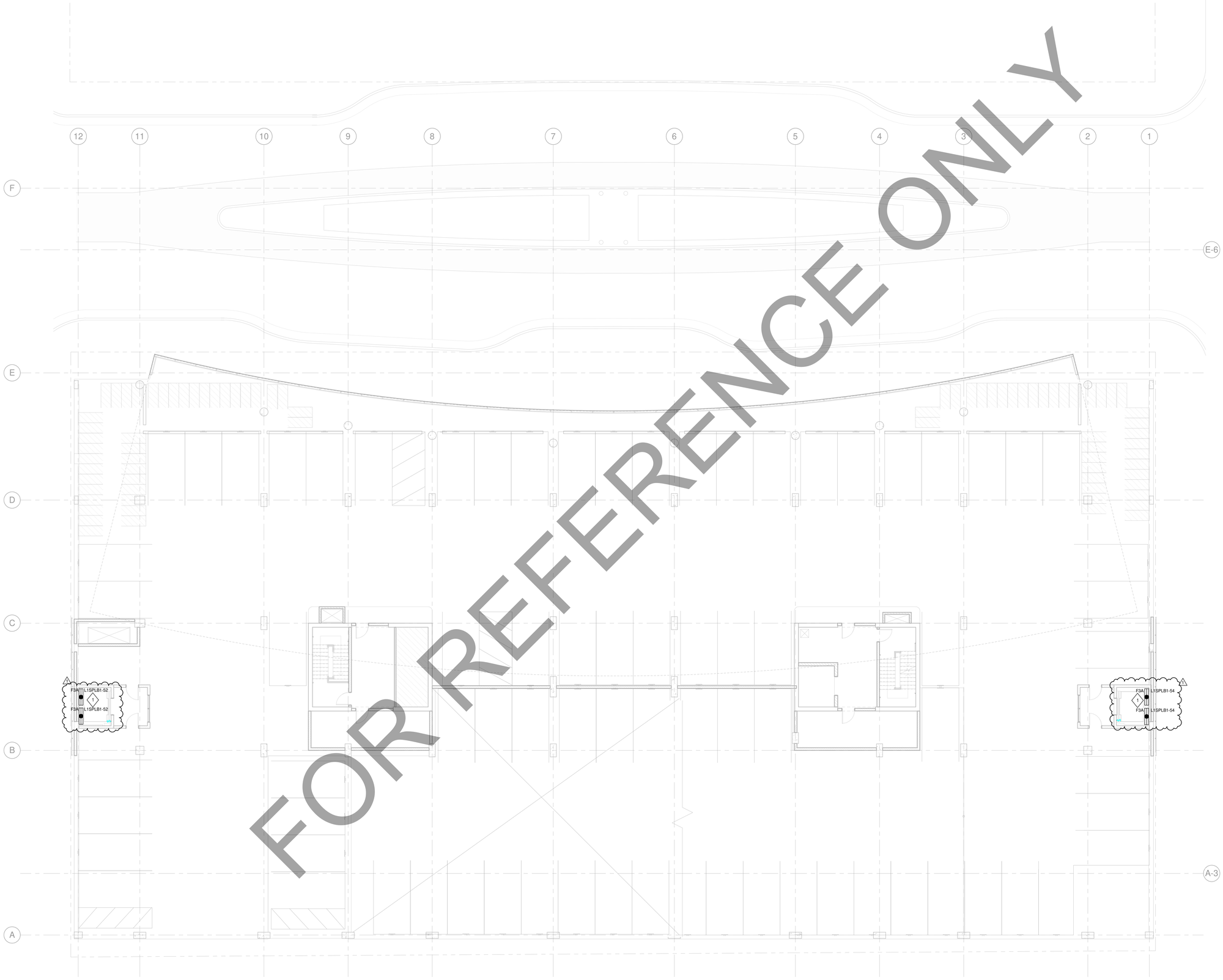
3. ALL EMERGENCY LIGHTING AND EXIT SIGNS ON THIS SHEET SHALL BE CIRCUITED TO PANEL L1EPHA1. ALL NORMAL LIGHTING ON THIS SHEET SHALL BE CIRCUITED TO PANEL U0NHPA1.
4. ALL F1, F1A, F1B, & F1D FIXTURES SHALL BE UNSWITCHED NIGHT LIGHTS AND SHALL REMAIN ON 24/7.
5. WHERE LIGHT FIXTURES ARE TO BE INSTALLED UNDER DUCTWORK PROVIDE CHANNEL FRAME ASSEMBLY TO HANG FIXTURES HEIGHT OF OTHER SIMILAR FIXTURES IN THE AREA. COORDINATE WITH OTHER TRADES.

SHEET KEY NOTES

1. ELEVATOR SHAFT LIGHTS AND SWITCH COORDINATE LOCATION WITH APPROVED ELEVATOR SHOP DRAWINGS. LIGHT SWITCH SHALL BE LOCATED SO AS TO BE READILY ACCESSIBLE FROM ELEVATOR ACCESS DOOR. PROVIDE CIRCUITING FROM SAME CIRCUIT AS RECEPTACLE IN ELEVATOR PIT. LUMINAIRES SHALL BE LOCATED AFTER REVIEW OF APPROVED ELEVATOR SHOP DRAWINGS 19 FOOTCANDLES AT WORKING PLATFORM AND SPACE ABOVE ELEVATOR CAR ARE REQUIRED.



FOR REFERENCE ONLY

1 **LIGHTING LEVEL 4 PLAN**
SCALE: 1/8" = 1'-0"

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General Notes

No.	Description	Date
1	FINAL BULLETIN #6	09/14/2018

JUDGE DOYLE SQUARE - BLOCK 88

NEW MUNICIPAL PARKING FACILITY

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano
ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS
MADISON CHICAGO ST. LOUIS

PARKING CONSULTANT:
WALKER
PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS
A WSP | PARSONS BRINCKERHOFF COMPANY

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

LIGHTING LEVEL 4 PLAN

Drawn	Date
Author	9/14/2018 11:40:02 AM
Checked By	Drawing Number
Checker	
Approved	
Approver	
Job Number	
215-1051	

E-104.0

GENERAL NOTES

1. REFER TO MECHANICAL, M-SERIES DRAWINGS FOR LOCATIONS OF FIRE/SMOKE DAMPERS. DAMPER AND MOTOR RATED TOGGLE SWITCH PROVIDED BY MECHANICAL CONTRACTOR. PROVIDE 120V LEGALLY REQUIRED STANDBY POWER TO EACH DAMPER. MAXIMUM OF (3) DAMPERS PER 20A CIRCUIT. SERVE FROM NEAREST LEGALLY REQUIRED STANDBY POWER PANELBOARD.
2. REFER TO M-SERIES AND P-SERIES DRAWINGS FOR EXACT MOTOR LOCATIONS. REFER TO MOTOR SCHEDULE ON E-602 FOR ADDITIONAL INFORMATION.
3. ALL FLOOR MOUNTED ELECTRICAL EQUIPMENT SHALL BE MOUNTED ON A HOUSEKEEPING PAD. REFER TO SPECIFICATIONS FOR MORE INFORMATION.
4. REFER TO MECHANICAL DRAWINGS FOR VFD LOCATIONS.
5. ALL OPTIONAL STANDBY POWER ON THIS SHEET SHALL BE CIRCUITED TO PANEL U1SPLD1 UNLESS NOTED OTHERWISE.
6. ALL NORMAL POWER ON THIS SHEET SHALL BE CIRCUITED TO PANEL U3NPLC1 UNLESS NOTED OTHERWISE.

7. PROVIDE 120V OPTIONAL STANDBY POWER CONNECTION FOR ACCESS CONTROL PANEL. REFER TO T SERIES DRAWINGS FOR MORE INFORMATION. COORDINATE EXACT REQUIREMENTS AND LOCATION WITH SECURITY CONTRACTOR.
8. PROVIDE 120V OPTIONAL STANDBY POWER CONNECTION FOR BAS CONTROL PANEL. COORDINATE EXACT REQUIREMENTS AND LOCATION WITH CONTROLS CONTRACTOR.

SHEET KEY NOTES

1. CONDUIT ROUTE THROUGH FLOOR ABOVE FOR CONDUITS FROM EMERGENCY ELECTRICAL ROOM. 4" TALL BY 4" WIDE CURB SHALL BE PROVIDED AROUND OPENING IN FLOOR. CONTRACTOR SHALL COORDINATE CONDUIT ROUTING. PROVIDE FIRE PROOFING OF OPENINGS ONCE ALL CONDUITS ARE INSTALLED.
2. PROVIDE 208V LEGALLY REQUIRED POWER CONNECTION WITH MOTOR RATED TOGGLE SWITCH TO FIRE PROTECTION SYSTEM NITROGEN GENERATOR. COORDINATE EXACT LOCATION OF GENERATOR WITH FIRE PROTECTION CONTRACTOR. (Revision 1)
3. PROVIDE CONDUIT AND JUNCTION BOX WITH BLANK COVER PLATE FOR FUTURE DIGITAL ADVERTISING AT 48". ROUTE CONDUIT TO PANEL U3NPLC1 IN ROOM U306 ON LEVEL U3.
4. RECEPTACLE IN ELEVATOR PIT. COORDINATE LOCATION WITH ELEVATOR CONTRACTOR AND APPROVED ELEVATOR SHOP DRAWINGS.
5. LOCKABLE FUSED DISCONNECT FOR THE FOLLOWING:
   1. ELEVATOR CAB LIGHTING / RECEPTACLE / FAN
   2. ELEVATOR MACHINE ROOM LIGHT / RECEPTACLE.
   3. ELEVATOR PIT LIGHT / RECEPTACLE
   4. ELEVATOR PIT SUMP PUMP
6. PROVIDE 100A ELEVATOR POWER MODULE DISCONNECT SWITCH PER SPECIFICATION SECTION 260477. PROVIDE FUSES SIZED PER ELEVATOR MANUFACTURER'S RECOMMENDATIONS. PROVIDE WITH CONTROL POWER TRANSFORMER, FIRE SAFETY INTERFACE RELAY, KEY TEST SWITCH, PILOT LIGHT AND FIRE ALARM VOLTAGE MONITORING RELAY. INTERLOCK SHUNT TRIP WITH MACHINE ROOM AND ELEVATOR SHAFT HEAT DETECTORS.

FOR REFERENCE ONLY

1 **POWER UNDERGROUND PARKING PLAN - LEVEL U4**
SCALE: 1/8" = 1'-0"

General Notes

No.	Description	Date
8	FINAL BULLETIN #6	09/14/2018
7	BULLETIN #3	03/05/2018
6	BID DOCUMENTS	09/07/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

NEW MUNICIPAL PARKING FACILITY

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

POWER UNDERGROUND PARKING PLAN - LEVEL U4

Drawn	Date
AEI	9/14/2018 11:40:04 AM
Checked By	Drawing Number
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Approved	
AEI	E-110.1
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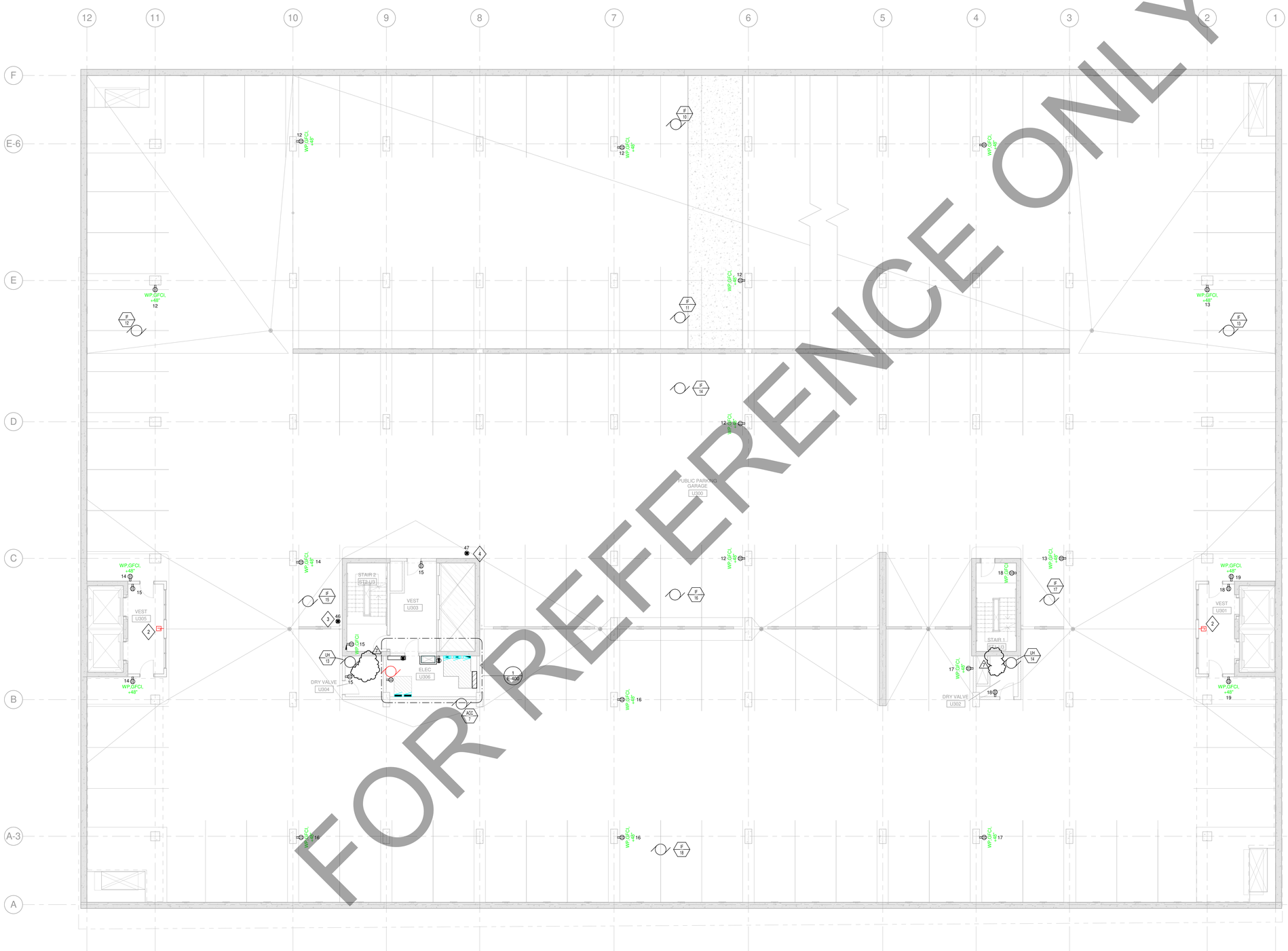
GENERAL NOTES

1. REFER TO MECHANICAL, M-SERIES DRAWINGS FOR LOCATIONS OF FIRE/SMOKE DAMPERS. DAMPER AND MOTOR RATED TOGGLE SWITCH PROVIDED BY MECHANICAL CONTRACTOR. PROVIDE 120V LEGALLY REQUIRED STANDBY POWER TO EACH DAMPER. MAXIMUM OF (3) DAMPERS PER 20A CIRCUIT. SERVE FROM NEAREST LEGALLY REQUIRED STANDBY POWER PANELBOARD.
2. REFER TO M-SERIES AND P-SERIES DRAWINGS FOR EXACT MOTOR LOCATIONS. REFER TO MOTOR SCHEDULE ON E-602 FOR ADDITIONAL INFORMATION.
3. ALL FLOOR MOUNTED ELECTRICAL EQUIPMENT SHALL BE MOUNTED ON A HOUSEKEEPING PAD. REFER TO SPECIFICATIONS FOR MORE INFORMATION.
4. REFER TO MECHANICAL DRAWINGS FOR VFD LOCATIONS.
5. ALL OPTIONAL STANDBY POWER ON THIS SHEET SHALL BE CIRCUITED TO PANEL U1SPLD1 UNLESS NOTED OTHERWISE.
6. ALL NORMAL POWER ON THIS SHEET SHALL BE CIRCUITED TO PANEL U3NPLC1 UNLESS NOTED OTHERWISE.

SHEET KEY NOTES

1. NOT USED.
2. PROVIDE CONDUIT AND JUNCTION BOX WITH BLANK COVER PLATE FOR FUTURE DIGITAL ADVERTISING AT 48". ROUTE CONDUIT TO PANEL U3NPLC1 IN ROOM U306.
3. PROVIDE 120V OPTIONAL STANDBY POWER CONNECTION FOR ACCESS CONTROL PANEL. REFER TO T SERIES DRAWINGS FOR MORE INFORMATION. COORDINATE EXACT REQUIREMENTS AND LOCATION WITH SECURITY CONTRACTOR.
4. PROVIDE 120V OPTIONAL STANDBY POWER CONNECTION FOR BAS CONTROL PANEL. COORDINATE EXACT REQUIREMENTS AND LOCATION WITH CONTROLS CONTRACTOR.



FOR REFERENCE ONLY

1 POWER UNDERGROUND PARKING PLAN - LEVEL U3

SCALE: 1/8" = 1'-0"

General Notes

No.	Description	Date
7	FINAL BULLETIN #6	09/14/2018
6	BID DOCUMENTS	09/07/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

NEW MUNICIPAL PARKING FACILITY

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

POWER UNDERGROUND PARKING PLAN - LEVEL U3

Drawn	Date
AEI	9/14/2018 11:40:05 AM
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Approved	
AEI	E-110.2
Job Number	
215-1051	

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GENERAL NOTES

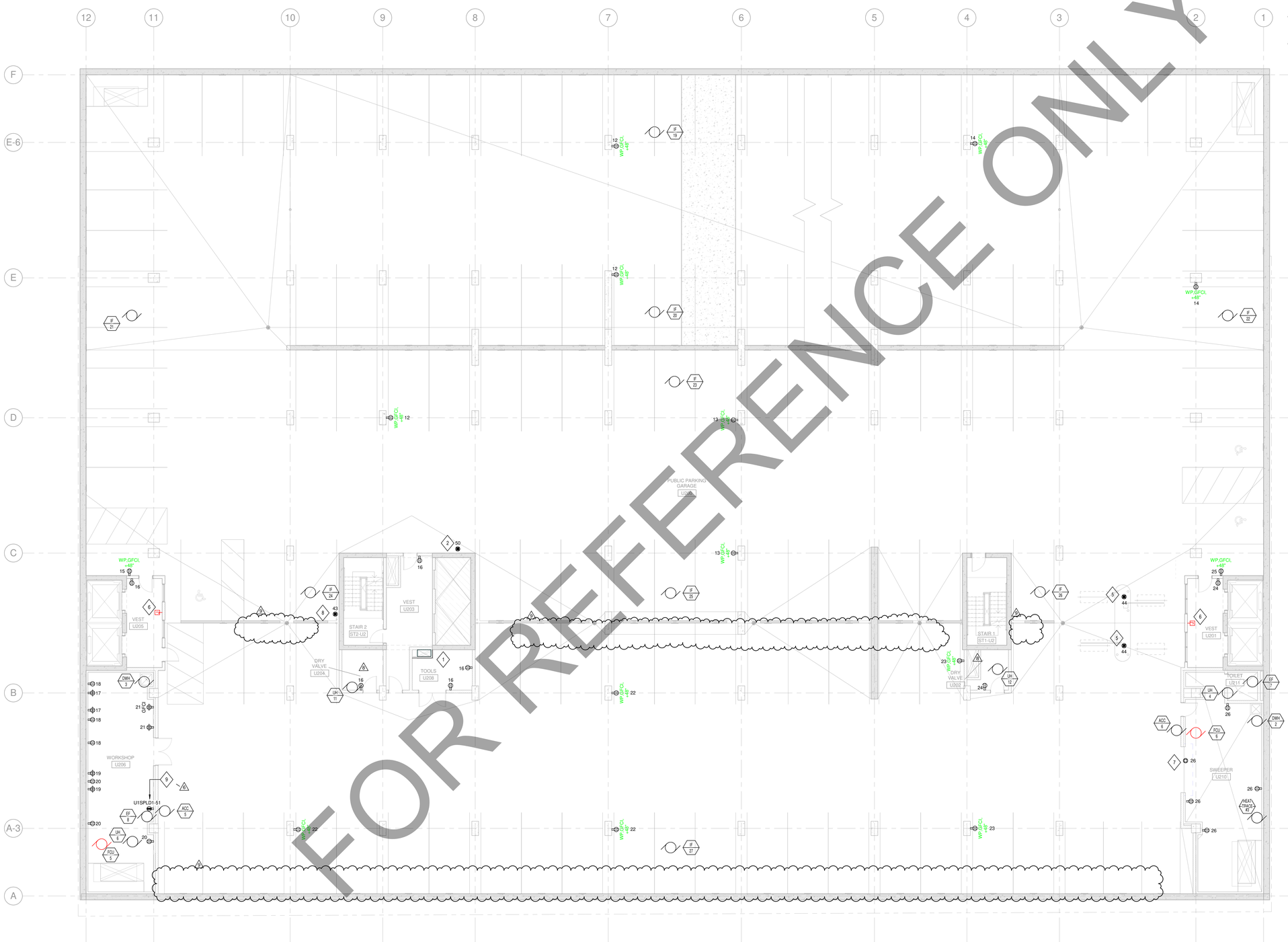
1. REFER TO MECHANICAL, M-SERIES DRAWINGS FOR LOCATIONS OF FIRE/SMOKE DAMPERS. DAMPER AND MOTOR RATED TOGGLE SWITCH PROVIDED BY MECHANICAL CONTRACTOR. PROVIDE 120V LEGALLY REQUIRED STANDBY POWER TO EACH DAMPER, MAXIMUM OF (3) DAMPERS PER 20A CIRCUIT. SERVE FROM NEAREST LEGALLY REQUIRED STANDBY POWER PANELBOARD.
2. REFER TO M-SERIES AND P-SERIES DRAWINGS FOR EXACT MOTOR LOCATIONS. REFER TO MOTOR SCHEDULE ON E-602 FOR ADDITIONAL INFORMATION.
3. ALL FLOOR MOUNTED ELECTRICAL EQUIPMENT SHALL BE MOUNTED ON A HOUSEKEEPING PAD. REFER TO SPECIFICATIONS FOR MORE INFORMATION.
4. REFER TO MECHANICAL DRAWINGS FOR VFD LOCATIONS.
5. ALL OPTIONAL STANDBY POWER ON THIS SHEET SHALL BE CIRCUITED TO PANEL U1SPLD1 UNLESS NOTED OTHERWISE.
6. ALL NORMAL POWER ON THIS SHEET SHALL BE CIRCUITED TO PANEL U1NPLD1 UNLESS NOTED OTHERWISE.

8 PROVIDE 120V OPTIONAL STANDBY POWER CONNECTION FOR ACCESS CONTROL PANEL. REFER TO T SERIES DRAWINGS FOR MORE INFORMATION. COORDINATE EXACT REQUIREMENTS AND LOCATION WITH SECURITY CONTRACTOR.

6 9 PROVIDE 120V OPTIONAL STANDBY DUPLEX RECEPTACLE FOR TELECOMMUNICATIONS RACK. COORDINATE EXACT REQUIREMENTS AND LOCATION WITH MANUFACTURER.

SHEET KEY NOTES

1. OPENING IN FLOOR FOR CONDUITS BETWEEN GENERATOR ROOM AND ELECTRICAL ROOMS ON LEVELS U1 AND U3. 4"X4" WIDE CURB TO BE PROVIDED AROUND OPENING IN FLOOR. CONTRACTOR SHALL COORDINATE CONDUIT ROUTING. PROVIDE FIRE PROOFING OF OPENINGS ONCE ALL CONDUITS ARE INSTALLED.
2. PROVIDE 120V OPTIONAL STANDBY POWER CONNECTION FOR BAS CONTROL PANEL. COORDINATE EXACT REQUIREMENTS AND LOCATION WITH CONTROLS CONTRACTOR.
3. NOT USED.
4. NOT USED.
5. PROVIDE 120V STANDBY POWER CONNECTION TO POWERED GATE. COORDINATE EXACT REQUIREMENTS AND LOCATION WITH GATE VENDOR PRIOR TO ROUTING CONDUITS. PROVIDE CONDUIT AND INTERCONNECTING WIRING. REFER TO GATE VENDOR INSTALLATION INFORMATION FOR COMPLETE REQUIREMENTS PRIOR TO ROUGH-IN.
6. PROVIDE CONDUIT AND JUNCTION BOX WITH BLANK COVER PLATE FOR FUTURE DIGITAL ADVERTISING AT 48". ROUTE CONDUIT TO PANEL U1NLPD1 IN ELECTRICAL ROOM ON LEVEL U1.
7. PROVIDE 120V FIXED CONNECTION FOR MOTOR OPERATED ROLL UP DOOR. REFER TO MANUFACTURER INSTALLATION INSTRUCTIONS FOR COMPLETE REQUIREMENTS.



FOR REFERENCE ONLY

1 **POWER UNDERGROUND PARKING PLAN - LEVEL U2**

SCALE: 1/8" = 1'-0"

General Notes

No.	Description	Date
9	BULLETIN #7	10/15/2018
8	BULLETIN #6	09/14/2018
7	BID DOCUMENTS	09/07/2017
6	ADDENDUM 2	07/28/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

NEW MUNICIPAL PARKING FACILITY

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE

Drawing Title

POWER UNDERGROUND PARKING PLAN - LEVEL U2

Drawn	Date
AEI	10/15/2018 10:24:13 AM
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Approved	
AEI	E-110.3
Job Number	
215-1051	

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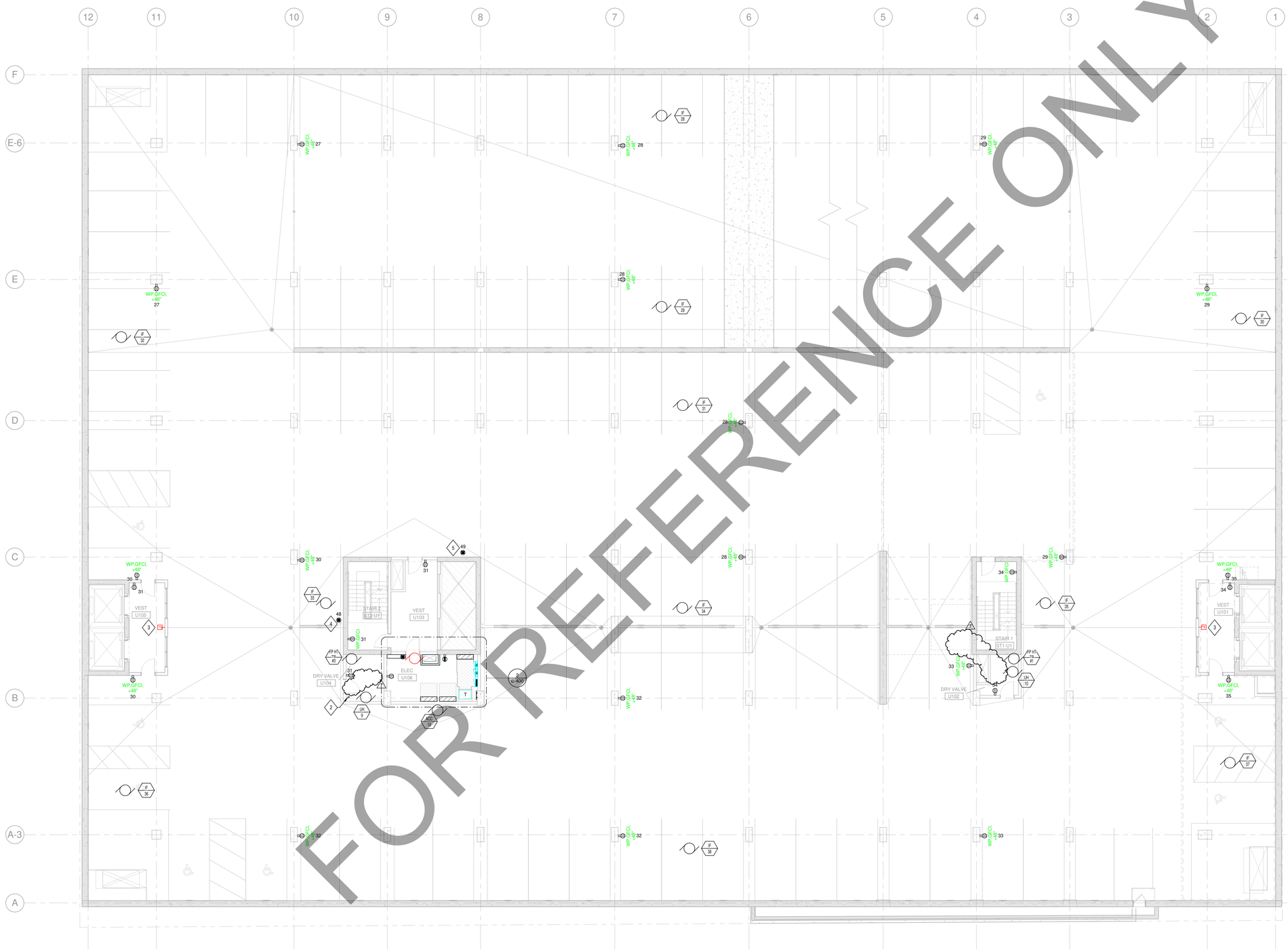
GENERAL NOTES

1. REFER TO MECHANICAL M-SERIES DRAWINGS FOR LOCATIONS OF FIRE/SMOKE DAMPERS. DAMPER AND MOTOR RATED TOGGLE SWITCH PROVIDED BY MECHANICAL CONTRACTOR. PROVIDE 120V LEGALLY REQUIRED STANDBY POWER TO EACH DAMPER. MAXIMUM OF (3) DAMPERS PER 20A CIRCUIT. SERVE FROM NEAREST LEGALLY REQUIRED STANDBY POWER PANELBOARD.
2. REFER TO M-SERIES AND P-SERIES DRAWINGS FOR EXACT MOTOR LOCATIONS. REFER TO MOTOR SCHEDULE ON E-602 FOR ADDITIONAL INFORMATION.
3. ALL FLOOR MOUNTED ELECTRICAL EQUIPMENT SHALL BE MOUNTED ON A HOUSEKEEPING PAD. REFER TO SPECIFICATIONS FOR MORE INFORMATION.
4. REFER TO MECHANICAL DRAWINGS FOR VFD LOCATIONS.
5. ALL OPTIONAL STANDBY POWER ON THIS SHEET SHALL BE CIRCUITED TO PANEL U1SPLD1 UNLESS NOTED OTHERWISE.
6. ALL NORMAL POWER ON THIS SHEET SHALL BE CIRCUITED TO PANEL U1NPLD1 UNLESS NOTED OTHERWISE.

SHEET KEY NOTES

1. NOT USED.
2. EMERGENCY FEEDER CONDUIT SERVING PANELBOARD U3EPHC1 ROUTED THROUGH DRY VALVE ROOM CEILING ABOVE. ROUTE CONDUIT TO ELECTRICAL ROOM AND DOWN SHAFT TO LEVEL U3 ELECTRICAL TO SERVE PANELBOARD U3EPHC1. SEE THIS SHEET AND SHEET E-400 FOR SHAFT LOCATION. PROVIDE FIRE PROOFING OF OPENINGS ONCE ALL CONDUITS ARE INSTALLED.
3. PROVIDE CONDUIT AND JUNCTION BOX WITH BLANK COVER PLATE FOR FUTURE DIGITAL ADVERTISING AT 48", ROUTE CONDUIT TO PANEL U1NLPD1 IN ELECTRICAL ROOM.
4. PROVIDE 120V OPTIONAL STANDBY POWER CONNECTION FOR ACCESS CONTROL PANEL. REFER TO T SERIES DRAWINGS FOR MORE INFORMATION. COORDINATE EXACT REQUIREMENTS AND LOCATION WITH SECURITY CONTRACTOR.
5. PROVIDE 120V OPTIONAL STANDBY POWER CONNECTION FOR BAS CONTROL PANEL. COORDINATE EXACT REQUIREMENTS AND LOCATION WITH CONTROLS CONTRACTOR.



FOR REFERENCE ONLY

1 **POWER UNDERGROUND PARKING PLAN - LEVEL U1**
SCALE: 1/8" = 1'-0"

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General Notes

No.	Description	Date
7	FINAL BULLETIN #6	09/14/2018
6	BID DOCUMENTS	09/07/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

NEW MUNICIPAL PARKING FACILITY

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

POWER UNDERGROUND PARKING PLAN - LEVEL U1

Drawn	Date
AEI	9/14/2018 11:40:09 AM
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AEI	
Approved	
AEI	E-110.4
Job Number	
215-1051	

GENERAL NOTES

1. REFER TO MECHANICAL, M-SERIES DRAWINGS FOR LOCATIONS OF FIRE/SMOKE DAMPERS. DAMPER AND MOTOR RATED TOGGLE SWITCH PROVIDED BY MECHANICAL CONTRACTOR. PROVIDE 120V LEGALLY REQUIRED STANDBY POWER TO EACH DAMPER. MAXIMUM OF (3) DAMPERS PER 20A CIRCUIT. SERVE FROM NEAREST LEGALLY REQUIRED STANDBY POWER PANELBOARD.
2. REFER TO M-SERIES AND P-SERIES DRAWINGS FOR EXACT MOTOR LOCATIONS. REFER TO MOTOR SCHEDULE ON E-602 FOR ADDITIONAL INFORMATION.
3. ALL FLOOR MOUNTED ELECTRICAL EQUIPMENT SHALL BE MOUNTED ON A HOUSEKEEPING PAD. REFER TO SPECIFICATIONS FOR MORE INFORMATION.
4. REFER TO MECHANICAL DRAWINGS FOR VFD LOCATIONS.
5. REFER TO SHEET E501 FOR DUCTBANK DETAILS.
6. ALL OPTIONAL STANDBY POWER ON THIS SHEET SHALL BE CIRCUITED TO PANEL L1SPLB1 UNLESS NOTED OTHERWISE.
7. ALL NORMAL POWER ON THIS SHEET SHALL BE CIRCUITED TO PANEL U0NPLA1 UNLESS NOTED OTHERWISE.

25 (15) 5" PVC SCHEDULE 40 SLEEVES THROUGH VAULT WALL. SLEEVES TO BE INSTALLED 8" ON CENTER BETWEEN EACH CONDUIT. THE TOP OF THE CONDUIT DUCTBANK SHALL BE A MINIMUM 3' BELOW GRADE AND AS CLOSE TO 3' BELOW GRADE AS POSSIBLE. SLEEVES TO BE ARRANGED AS (3) CONDUITS WIDE AND (5) CONDUITS DEEP. COORDINATE EXACT LOCATION AND DEPTH OF SLEEVES WITH MG&E AND CIVIL CONTRACTOR PRIOR TO INSTALL SUCH THAT SLEEVES AND CONDUIT ROUTE CAN BE FIELD COORDINATED WITH EXISTING UTILITIES.

21 PROVIDE 120V OPTIONAL STANDBY POWER CONNECTION FOR BAS CONTROL PANEL. COORDINATE EXACT REQUIREMENTS AND LOCATION WITH CONTROLS CONTRACTOR.

22 PROVIDE 120V OPTIONAL STANDBY DUPLEX RECEPTACLE FOR WALL-MOUNTED SECURITY EQUIPMENT CABINET. COORDINATE EXACT REQUIREMENTS WITH SECURITY CONSULTANT AND LOCATION WITH OWNER.

23 PROVIDE 120V OPTIONAL STANDBY FIXED CONNECTION FOR MOTORCYCLE MULTI-SPACE METER. PROVIDE 1 1/2"C FROM NETPOP ROOM FOR NETWORK CABLES. COORDINATE EXACT CABLING REQUIREMENTS WITH MANUFACTURER INSTALLATION INSTRUCTIONS AND COORDINATE CONNECTION LOCATION IN NETPOP ROOM WITH OWNER.

24 PROVIDE 120V LEGALLY REQUIRED DUPLEX RECEPTACLE FOR ERRCS. COORDINATE EXACT REQUIREMENTS AND LOCATION WITH MANUFACTURER.

25 1000A DISCONNECT PROVIDED BY THE ELECTRICAL CONTRACTOR. METER FURNISHED BY THE UTILITY AND INSTALLED BY CONTRACTOR. INSTALL FEEDERS FROM FIRE PUMP CONTROLLER TO METER AND FROM METER TO UTILITY TRANSFORMER SECONDARY COLLECTOR BUS. REFER TO SHEET E-700 FOR MORE INFORMATION. COORDINATE EXACT LOCATION ON NORTH WALL WITH EQUIPMENT IN ROOM AND FIRE PROTECTION CONTRACTOR.

16 CONCRETE ENCASED 480V PARKING STRUCTURE SERVICE DUCTBANK. REFER TO DETAIL 1 ON SHEET E501 FOR DUCTBANK PROFILE.

17 CONDUIT ROUTE BETWEEN EMERGENCY ELECTRICAL ROOM AND LEVEL U0 MAIN ELEC U006. SEE SHEET E111.0 FOR CONTINUATION. CONTRACTOR SHALL COORDINATE CONDUIT AND ROUTE WITH OTHER TRADES AND UPDATE THE ROUTE AS REQUIRED.

18 CONCRETE ENCASED FIRE PUMP SERVICE CONDUIT. ROUTE FROM UTILITY TRANSFORMER TAP TO FIRE PUMP ROOM. FIRE PUMPS SERVICE CONDUIT SHALL BE CONCRETE ENCASED WITH A MINIMUM OF 2 INCHES OF CONCRETE FROM WHEN THE CONDUITS LEAVE THE UTILITY VAULT UNTIL THEY ENTER THE FIRE PUMP ROOM. REFER TO RISER DIAGRAM ON SHEET E-700 FOR MORE INFORMATION.

19 PROVIDE (2) EMPTY CONDUITS FROM MAIN ELECTRICAL ROOM U006-1 TO EMPTY JUNCTION BOX FOR FUTURE CIRCUITS.

20 PROVIDE 120V OPTIONAL STANDBY POWER CONNECTION FOR ACCESS CONTROL PANEL. REFER TO T SERIES DRAWINGS FOR MORE INFORMATION. COORDINATE EXACT REQUIREMENTS AND LOCATION WITH SECURITY CONTRACTOR.

9 PROVIDE CONDUIT AND JUNCTION BOX WITH BLANK COVER PLATE FOR FUTURE DIGITAL ADVERTISING AT 48". ROUTE CONDUIT TO PANEL U0NLPA1 IN SWITCHGEAR ROOM U004 ON LEVEL U0.

10 OPENING IN FLOOR ABOVE FOR CONDUITS BETWEEN PRIVATE DEVELOPMENT MAIN ELECTRICAL ROOM AND FLOOR ABOVE FOR FUTURE CONDUIT BETWEEN PARKING STRUCTURE AND PRIVATE DEVELOPMENT BUILDING. PROVIDE FIRE PROOFING OF OPENINGS ONCE ALL CONDUITS ARE INSTALLED.

11 RECEPTACLE IN ELEVATOR PIT. COORDINATE LOCATION WITH ELEVATOR CONTRACTOR AND APPROVED ELEVATOR SHOP DRAWINGS.

12 CONCRETE ENCASED 208V AND 480V PRIVATE DEVELOPMENT AND 480V PARKING STRUCTURE SERVICE DUCTBANKS. DUCTBANKS TO BE ROUTED TIGHT TO UNDERSIDE OF STRUCTURE AND ROUTED THROUGH BEAM. PROVIDE SLEEVES THROUGH BEAM. COORDINATE WITH STURCTURAL. REFER TO DETAIL 1 AND 6 ON SHEET E501 FOR MORE INFORMATION.

13 CONCRETE ENCASED 480V PARKING STRUCTURE SERVICE DUCTBANK. REFER TO DETAIL 1 ON SHEET E501 FOR DUCTBANK PROFILE.

SHEET KEY NOTES

1. CONDUIT ROUTE THROUGH FLOOR FOR CONDUITS BETWEEN EMERGENCY ELECTRICAL ROOM AND LEVEL U3 ELECTRICAL ROOM. CONDUITS TO BE ROUTED IN SHAFT. EMERGENCY FEEDER CONDUIT TO BE ROUTED IN 2-HOUR RATED ENCLOSURE SEPARATE FROM ALL OTHER CONDUITS. PROVIDE FIRE PROOFING OF OPENINGS ONCE ALL CONDUITS ARE INSTALLED.
2. CONDUIT ROUTE FROM FLOOR ABOVE FOR CONDUITS BETWEEN EMERGENCY ELECTRICAL ROOM AND MAIN ELECTRICAL ROOM. 4" TALL BY 4" WIDE CURB SHALL BE PROVIDED AROUND OPENING IN FLOOR. CONTRACTOR SHALL COORDINATE CONDUIT ROUTING.
3. TRANSFORMERS, UTILITY SWITCHES AND MODULES PROVIDED AND INSTALLED BY THE UTILITY. UTILITY SERVICES TO UTILITY EQUIPMENT INSTALLED BY THE UTILITY. COORDINATE LOCATIONS OF EQUIPMENT AND SECONDARY SERVICE FEEDER ROUTING REQUIREMENTS WITH UTILITY PRIOR TO INSTALL.
4. 120V STANDBY POWER CIRCUIT TO SECURITY CONTROL PANEL. COORDINATE EXACT LOCATION WITH SECURITY CONTRACTOR.
5. PROVIDE 120V EMERGENCY POWER CONNECTION TO EMERGENCY RESPONDER RADIO COVERAGE SYSTEM POWER SUPPLY. COORDINATE EXACT LOCATION WITH SYSTEM INSTALLING CONTRACTOR.
6. PROVIDE 120V OPTIONAL STANDBY CONNECTION TO ILLUMINATED SIGN. COORDINATE EXACT HEIGHT AND LOCATION WITH "PA" SERIES DRAWINGS.
7. NOT USED.
8. ROUTE EMERGENCY FEEDER CONDUIT SERVING PANELBOARD USEPHC1 THROUGH DRY VALVE ROOM DOWN TO LEVEL U1. SEE SHEET E-110.4 FOR CONTINUATION.

FOR REFERENCE ONLY

1 **POWER UNDERGROUND PARKING PLAN - LEVEL U0**
SCALE: 1/8" = 1'-0"

No.	Description	Date
12	BULLETIN #7	10/15/2018
11	BULLETIN #6	09/14/2018
10	BULLETIN #5	05/14/2018
9	BULLETIN #3	03/05/2018
8	BULLETIN #2	12/07/2017
7	BID DOCUMENTS	09/07/2017
6	ADDENDUM 2	07/28/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

NEW MUNICIPAL PARKING FACILITY

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE

Drawing Title

POWER UNDERGROUND PARKING PLAN - LEVEL U0

Drawn	Date
AEI	10/15/2018 10:24:15 AM
Checked By	Drawing Number
AEI	
Approved	
AEI	E-110.5
Job Number	
215-1051	

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10/15/2018 10:24:15 AM

GENERAL NOTES

1. REFER TO MECHANICAL, M-SERIES DRAWINGS FOR LOCATIONS OF FIRE/SMOKE DAMPERS. DAMPER AND MOTOR RATED TOGGLE SWITCH PROVIDED BY MECHANICAL CONTRACTOR. PROVIDE 120V LEGALLY REQUIRED STANDBY POWER TO EACH DAMPER, MAXIMUM OF (3) DAMPERS PER 20A CIRCUIT. SERVE FROM NEAREST LEGALLY REQUIRED STANDBY POWER PANELBOARD.
2. REFER TO M-SERIES AND P-SERIES DRAWINGS FOR EXACT MOTOR LOCATIONS. REFER TO MOTOR SCHEDULE ON E-602 FOR ADDITIONAL INFORMATION.
3. ALL FLOOR MOUNTED ELECTRICAL EQUIPMENT SHALL BE MOUNTED ON A HOUSEKEEPING PAD. REFER TO SPECIFICATIONS FOR MORE INFORMATION.
4. REFER TO MECHANICAL DRAWINGS FOR VFD LOCATIONS.
5. ALL OPTIONAL STANDBY POWER CIRCUITS ON THIS SHEET SHALL BE CIRCUITED TO PANEL L1SPLB1 UNLESS NOTED OTHERWISE.
6. ALL NORMAL POWER ON THIS SHEET SHALL BE CIRCUITED TO PANEL U0NPLA1 UNLESS NOTED OTHERWISE.

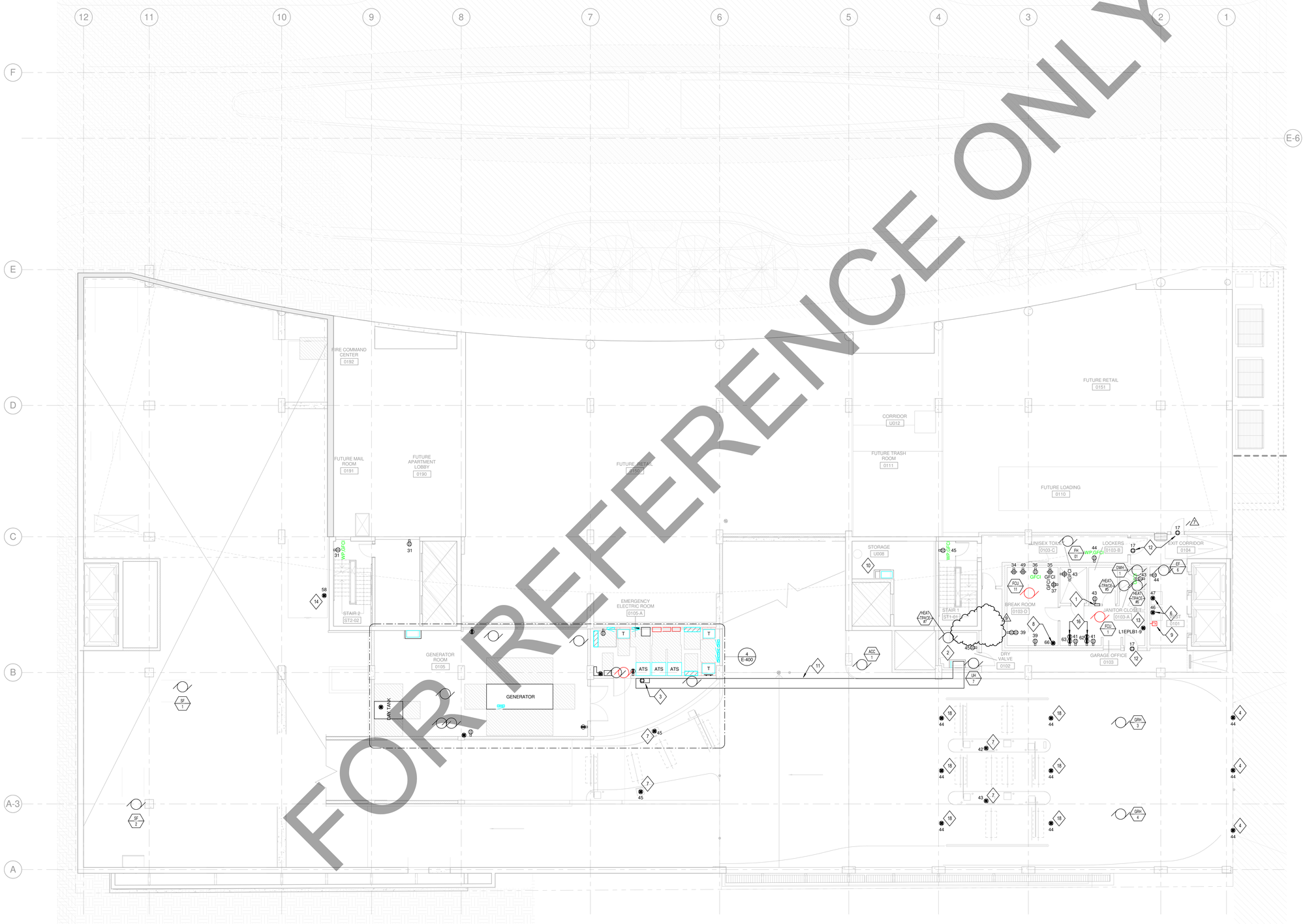
15. NOT USED
16. PROVIDE 120V OPTIONAL STANDBY RECEPTACLE FOR WALL-MOUNTED SECURITY MONITOR. COORDINATE EXACT LOCATION WITH SECURITY CONTRACTOR.
17. NOT USED.
18. PROVIDE 120V OPTIONAL STANDBY CONNECTION TO ILLUMINATED SIGN. COORDINATE EXACT HEIGHT AND LOCATION WITH ARCHITECT AND SIGN INSTALLER.

10. OPENING IN FLOOR FOR CONDUITS BETWEEN PRIVATE DEVELOPMENT MAIN ELECTRICAL ROOM AND FLOOR ABOVE FOR FUTURE CONDUIT BETWEEN PARKING STRUCTURE AND PRIVATE DEVELOPMENT BUILDING.
11. CONDUIT ROUTE BETWEEN EMERGENCY ELECTRICAL ROOM AND LEVEL U0 MAIN ELEC U006. SEE SHEET E110.5 FOR CONTINUATION. CONTRACTOR SHALL COORDINATE CONDUIT AND ROUTE WITH OTHER TRADES AND UPDATE THE ROUTE AS REQUIRED.
12. PROVIDE 120V NORMAL POWER CONNECTION FOR POWER OPERATED DOOR. COORDINATE PUSH PAD LOCATIONS WITH ARCHITECT.
13. PROVIDE 120V EMERGENCY POWER CONNECTION AND DEDICATED CIRCUIT TO FIRE ALARM EQUIPMENT.
14. PROVIDE 120V OPTIONAL STANDBY POWER CONNECTION FOR ACCESS CONTROL PANEL. REFER TO T SERIES DRAWINGS FOR MORE INFORMATION. COORDINATE EXACT REQUIREMENTS AND LOCATION WITH SECURITY CONTRACTOR.

6. PROVIDE 120V STANDBY POWER CONNECTION FOR ELECTRONIC PARKING PAYMENT MACHINES. COORDINATE EXACT LOCATION OF MACHINES WITH ARCHITECT.
7. PROVIDE 120V STANDBY POWER CONNECTION TO POWERED GATE. COORDINATE EXACT REQUIREMENTS AND LOCATION WITH GATE VENDOR PRIOR TO ROUTING CONDUITS. PROVIDE CONDUIT AND INTERCONNECTING WIRING. REFER TO GATE VENDOR INSTALLATION INFORMATION FOR COMPLETE REQUIREMENTS PRIOR TO ROUGH-IN.
8. PROVIDE 120V OPTIONAL STANDBY POWER CONNECTION FOR BAS CONTROL PANEL. COORDINATE EXACT REQUIREMENTS AND LOCATION WITH CONTROLS CONTRACTOR.
9. PROVIDE CONDUIT AND JUNCTION BOX WITH BLANK COVER PLATE FOR FUTURE DIGITAL ADVERTISING AT 48". ROUTE CONDUIT TO PANEL U0NLPA1 IN SWITCHGEAR ROOM U004 ON LEVEL U0.

SHEET KEY NOTES

1. NFPA 110 GENERATOR REMOTE ANNUNCIATOR. COORDINATE LOCATION WITH OWNER PRIOR TO ROUGH-IN. ROUTE CABLING IN DEDICATED CONDUIT BETWEEN GENERATOR AND REMOTE ANNUNCIATOR.
2. OPENING IN FLOOR FOR CONDUITS BETWEEN GENERATOR ROOM AND ELECTRICAL ROOMS ON LEVELS U1 AND U3. 4"X4" WIDE CURB TO BE PROVIDED AROUND OPENING IN FLOOR. CONTRACTOR SHALL COORDINATE CONDUIT ROUTING. PROVIDE FIRE PROOFING OF OPENINGS ONCE ALL CONDUITS ARE INSTALLED.
3. LOAD BANK TAP BOX. REFER TO SHEET E-700 FOR MORE INFORMATION. PROVIDE 120V CIRCUIT TO TAP BOX FOR INTEGRAL RECEPTACLE. HEIGHT AT THE TOP OF THE LOAD BANK TAP BOX SHOULD BE 6' MAXIMUM FOR EASY ACCESSIBILITY TO CAM-LOCK RECEPTACLES AND POWER DISTRIBUTION BLOCK. COORDINATE EXACT LOCATION OF TAP BOX WITH OWNER PRIOR TO ROUGH-IN.
4. PROVIDE 120V OPTIONAL STANDBY CONNECTION TO ILLUMINATED SIGN. COORDINATE EXACT HEIGHT AND LOCATION WITH "PA" SERIES DRAWINGS.
5. NOT USED.



FOR REFERENCE ONLY

1 **POWER LEVEL 1 PLAN - WILSON STREET**
SCALE: 1/8" = 1'-0"

No.	Description	Date
9	FINAL BULLETIN #6	09/14/2018
8	BULLETIN #3	03/05/2018
7	BULLETIN #2	12/07/2017
6	BID DOCUMENTS	09/07/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

NEW MUNICIPAL PARKING FACILITY

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE PLANNING LANDSCAPE ARCHITECTURE URBAN DESIGN

Drawing Title

POWER LEVEL 1 PLAN - WILSON STREET

Drawn	Date
AEI	9/14/2018 11:40:13 AM
Checked By	Drawing Number
AEI	
Approved	
AEI	E-111.0
Job Number	
215-1051	

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GENERAL NOTES

1. REFER TO MECHANICAL, M-SERIES DRAWINGS FOR LOCATIONS OF FIRE/SMOKE DAMPERS. DAMPER AND MOTOR RATED TOGGLE SWITCH PROVIDED BY MECHANICAL CONTRACTOR. PROVIDE 120V LEGALLY REQUIRED STANDBY POWER TO EACH DAMPER, MAXIMUM OF (3) DAMPERS PER 20A CIRCUIT. SERVE FROM NEAREST LEGALLY REQUIRED STANDBY POWER PANELBOARD.
2. REFER TO M-SERIES AND P-SERIES DRAWINGS FOR EXACT MOTOR LOCATIONS. REFER TO MOTOR SCHEDULE ON E-602 FOR ADDITIONAL INFORMATION.
3. ALL FLOOR MOUNTED ELECTRICAL EQUIPMENT SHALL BE MOUNTED ON A HOUSEKEEPING PAD. REFER TO SPECIFICATIONS FOR MORE INFORMATION.
4. REFER TO MECHANICAL DRAWINGS FOR VFD LOCATIONS.
5. ALL OPTIONAL STANDBY POWER ON THIS SHEET SHALL BE CIRCUITED TO PANEL L1SPLB1 UNLESS NOTED OTHERWISE.
6. ALL NORMAL POWER ON THIS SHEET SHALL BE CIRCUITED TO PANEL U0NPLA1 UNLESS NOTED OTHERWISE.

10 PROVIDE 120V OPTIONAL STANDBY POWER CONNECTION FOR ACCESS CONTROL PANEL. REFER TO T SERIES DRAWINGS FOR MORE INFORMATION. COORDINATE EXACT REQUIREMENTS AND LOCATION WITH SECURITY CONTRACTOR.

11 PROVIDE 120V EMERGENCY POWER CONNECTION FOR FUEL FILL STATION CONTROL PANEL. COORDINATE EXACT REQUIREMENTS AND LOCATION WITH FUEL FILL VENDOR.

12 NOT USED.

13 PROVIDE RECEPTACLE MOUNTED IN LANDSCAPE PLANTER ON POST, ARLINGTON #GP198 OR SIMILAR APPROVED BY ARCHITECT/OWNER/ENGINEER. COORDINATE EXACT LOCATION WITH LANDSCAPE DRAWINGS AND PLANTINGS.

6 PROVIDE GFCI RECEPTACLE IN OVERHEAD SPACE. COORDINATE LOCATION WITH ELEVATOR CONTRACTOR.

7 FUSED DISCONNECT FED FROM ELEVATOR CONTROL SWITCH IN ELEVATOR CONTROL ROOM. DISCONNECT TO BE LOCATED NEAR ELEVATOR MACHINE LOCATION. COORDINATE LOCATION OF DISCONNECT WITH MACHINE LOCATION AND ELEVATOR CONTRACTOR. REFER TO SHEET E110.1 FOR ELEVATOR CONTROL ROOM LOCATION.

8 PROVIDE 120V POWER CONNECTION TO POWERED COILING DOOR. COORDINATE EXACT REQUIREMENTS AND LOCATION WITH GATE VENDOR PRIOR TO ROUTING CONDUITS.

9 OPENING IN FLOOR FOR FUTURE CONDUITS BETWEEN GENERATOR ROOM BELOW AND PRIVATE DEVELOPMENT ABOVE. 4"X4" WIDE CURB TO BE PROVIDED AROUND OPENING IN FLOOR. CONTRACTOR SHALL COORDINATE CONDUIT ROUTING. EMERGENCY FEEDER CONDUIT TO BE ROUTED IN 2-HOUR RATED ENCLOSURE SEPARATE FROM ALL OTHER CONDUITS. PROVIDE FIRE PROOFING OF OPENINGS ONCE ALL CONDUITS ARE INSTALLED.

SHEET KEY NOTES

1 PROVIDE 120V OPTIONAL STANDBY CONNECTION TO ILLUMINATED SIGN. COORDINATE EXACT HEIGHT AND LOCATION WITH "PA" SERIES DRAWINGS.

2 PROVIDE 120V STANDBY POWER CONNECTION FOR ELECTRONIC PARKING PAYMENT MACHINES. COORDINATE EXACT LOCATION OF MACHINES WITH ARCHITECT.

3 OPENING IN FLOOR FOR CONDUITS BETWEEN PRIVATE DEVELOPMENT MAIN ELECTRICAL ROOM AND FLOOR ABOVE FOR FUTURE CONDUIT BETWEEN PARKING STRUCTURE AND PRIVATE DEVELOPMENT BUILDING.

4 PROVIDE CONDUIT AND JUNCTION BOX WITH BLANK COVER PLATE FOR FUTURE DIGITAL ADVERTISING AT 48". ROUTE CONDUIT TO PANEL U0NLPA1 IN SWITCHGEAR ROOM U004 ON LEVEL U0.

5 PROVIDE 120V STANDBY POWER CONNECTION TO POWERED GATE. COORDINATE EXACT REQUIREMENTS AND LOCATION WITH GATE VENDOR PRIOR TO ROUTING CONDUITS. PROVIDE CONDUIT AND INTERCONNECTING WIRING. REFER TO GATE VENDOR INSTALLATION INFORMATION FOR COMPLETE REQUIREMENTS PRIOR TO ROUGH-IN.

FOR REFERENCE ONLY

1 **POWER LEVEL 2 PLAN - DOTY STREET**
SCALE: 1/8" = 1'-0"

No.	Description	Date
8	FINAL BULLETIN #6	09/14/2018
7	BULLETIN #2	12/07/2017
6	BID DOCUMENTS	09/07/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

NEW MUNICIPAL PARKING FACILITY

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE

Drawing Title

POWER LEVEL 2 PLAN - DOTY STREET

Drawn	Date
AEI	9/14/2018 11:40:16 AM
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AEI	
Job Number	
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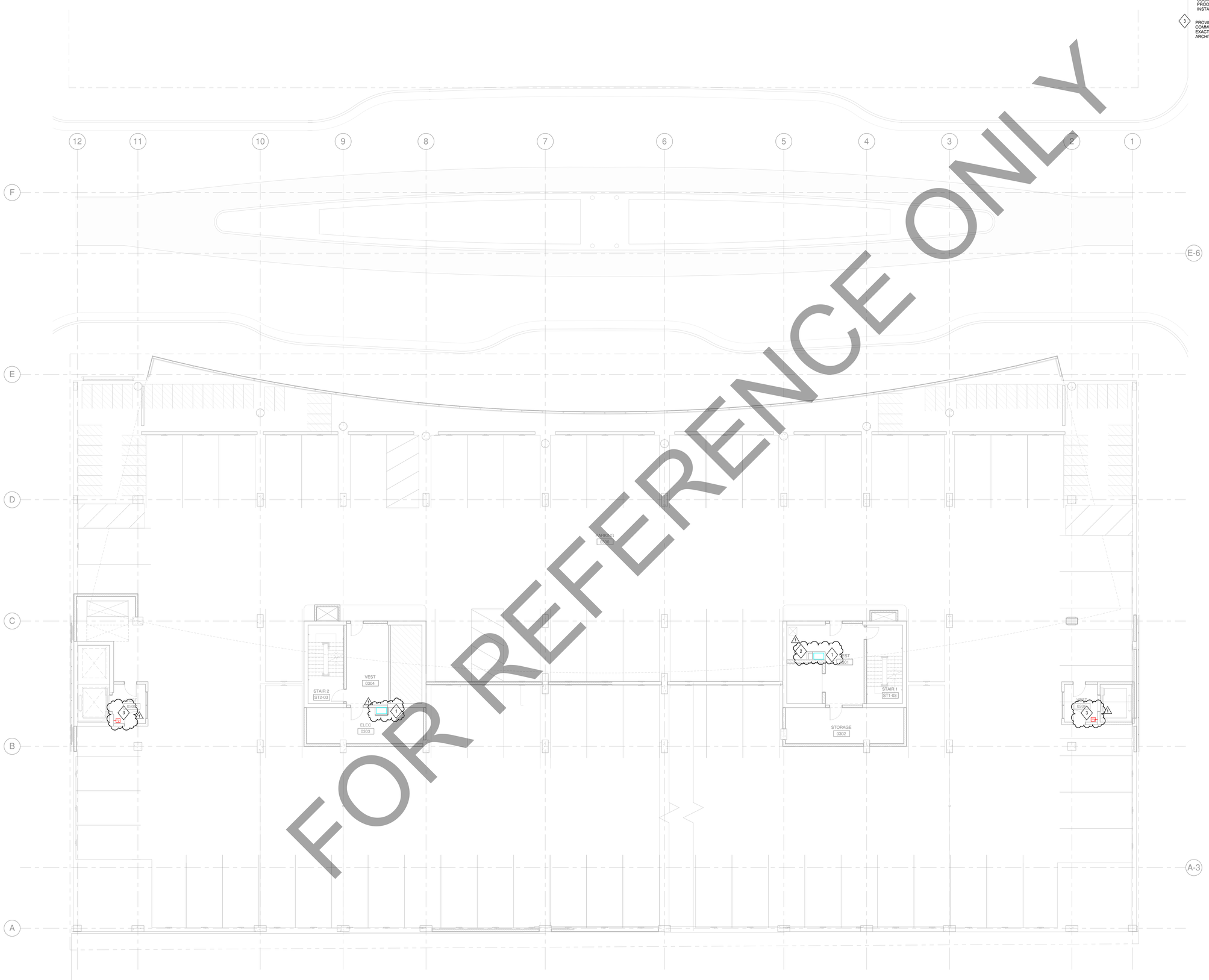
GENERAL NOTES

1. NOT USED.

SHEET KEY NOTES

1. OPENING IN FLOOR FOR FUTURE CONDUITS BETWEEN FLOOR BELOW AND FLOOR ABOVE. 4"X4" WIDE CURB TO BE PROVIDED AROUND OPENING IN FLOOR. CONTRACTOR SHALL COORDINATE CONDUIT ROUTING. EMERGENCY FEEDER CONDUIT TO BE ROUTED IN 2-HOUR RATED ENCLOSURE SEPARATE FROM ALL OTHER CONDUITS. PROVIDE FIRE PROOFING OF OPENINGS ONCE ALL CONDUITS ARE INSTALLED.
2. OPENING IN FLOOR FOR FUTURE COMMUNICATION CONDUITS BETWEEN FLOOR BELOW AND FLOOR ABOVE. 4"X4" WIDE CURB TO BE PROVIDED AROUND OPENING IN FLOOR. CONTRACTOR SHALL COORDINATE CONDUIT ROUTING. PROVIDE FIRE PROOFING OF OPENINGS ONCE ALL CONDUITS ARE INSTALLED.
3. PROVIDE ROUGH IN FOR EMERGENCY COMMUNICATION CALL STATION. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH ARCHITECT.



FOR REFERENCE ONLY

1 **POWER LEVEL 3 PLAN**
SCALE: 1/8" = 1'-0"

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General Notes

No.	Description	Date
1	FINAL BULLETIN #6	09/14/2018

JUDGE DOYLE SQUARE - BLOCK 88

NEW MUNICIPAL PARKING FACILITY

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano
ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS
MADISON | CHICAGO | ST. LOUIS

PARKING CONSULTANT:
WALKER
PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS
A WSP | PARSONS BRINCKERHOFF COMPANY

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

POWER LEVEL 3 PLAN

Drawn	Date
AEI	9/14/2018 11:40:17 AM
Checked By	**Drawing Number**
AEI	
Approved	
AEI	
Job Number	
215-1051	

E-113.0

GENERAL NOTES

1. NOT USED.

SHEET KEY NOTES

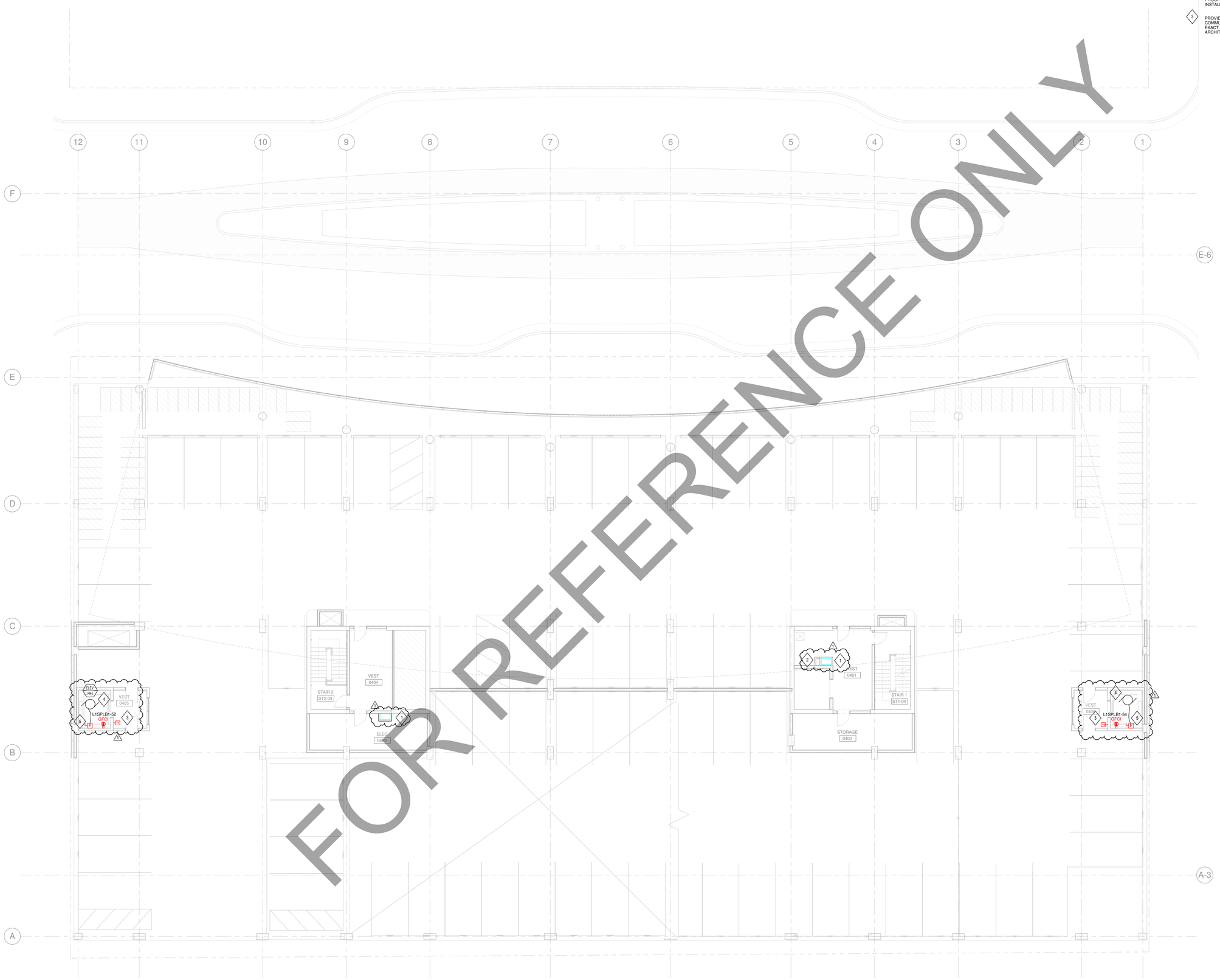
4. PROVIDE GFCI RECEPTACLE IN OVERHEAD SPACE. COORDINATE LOCATION WITH ELEVATOR CONTRACTOR.

5. FUSED DISCONNECT FED FROM ELEVATOR CONTROL SWITCH IN ELEVATOR CONTROL ROOM. DISCONNECT TO BE LOCATED NEAR ELEVATOR MACHINE LOCATION. COORDINATE LOCATION OF DISCONNECT WITH MACHINE LOCATION AND ELEVATOR CONTRACTOR. REFER TO SHEET E110.1 FOR ELEVATOR CONTROL ROOM LOCATION.

1. OPENING IN FLOOR FOR FUTURE CONDUITS BETWEEN FLOOR BELOW AND FLOOR ABOVE. 4"X4" WIDE CURB TO BE PROVIDED AROUND OPENING IN FLOOR. CONTRACTOR SHALL COORDINATE CONDUIT ROUTING. EMERGENCY FEEDER CONDUIT TO BE ROUTED IN 2-HOUR RATED ENCLOSURE SEPARATE FROM ALL OTHER CONDUITS. PROVIDE FIRE PROOFING OF OPENINGS ONCE ALL CONDUITS ARE INSTALLED.

2. OPENING IN FLOOR FOR FUTURE COMMUNICATION CONDUITS BETWEEN FLOOR BELOW AND FLOOR ABOVE. 4"X4" WIDE CURB TO BE PROVIDED AROUND OPENING IN FLOOR. CONTRACTOR SHALL COORDINATE CONDUIT ROUTING. PROVIDE FIRE PROOFING OF OPENINGS ONCE ALL CONDUITS ARE INSTALLED.

3. PROVIDE ROUGH IN FOR EMERGENCY COMMUNICATION CALL STATION. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH ARCHITECT.



FOR REFERENCE ONLY

1 **POWER LEVEL 4 PLAN**
SCALE: 1/8" = 1'-0"

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General Notes

No.	Description	Date
1	FINAL BULLETIN #6	09/14/2018

JUDGE DOYLE SQUARE - BLOCK 88

NEW MUNICIPAL PARKING FACILITY

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano
ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

POWER LEVEL 4 PLAN

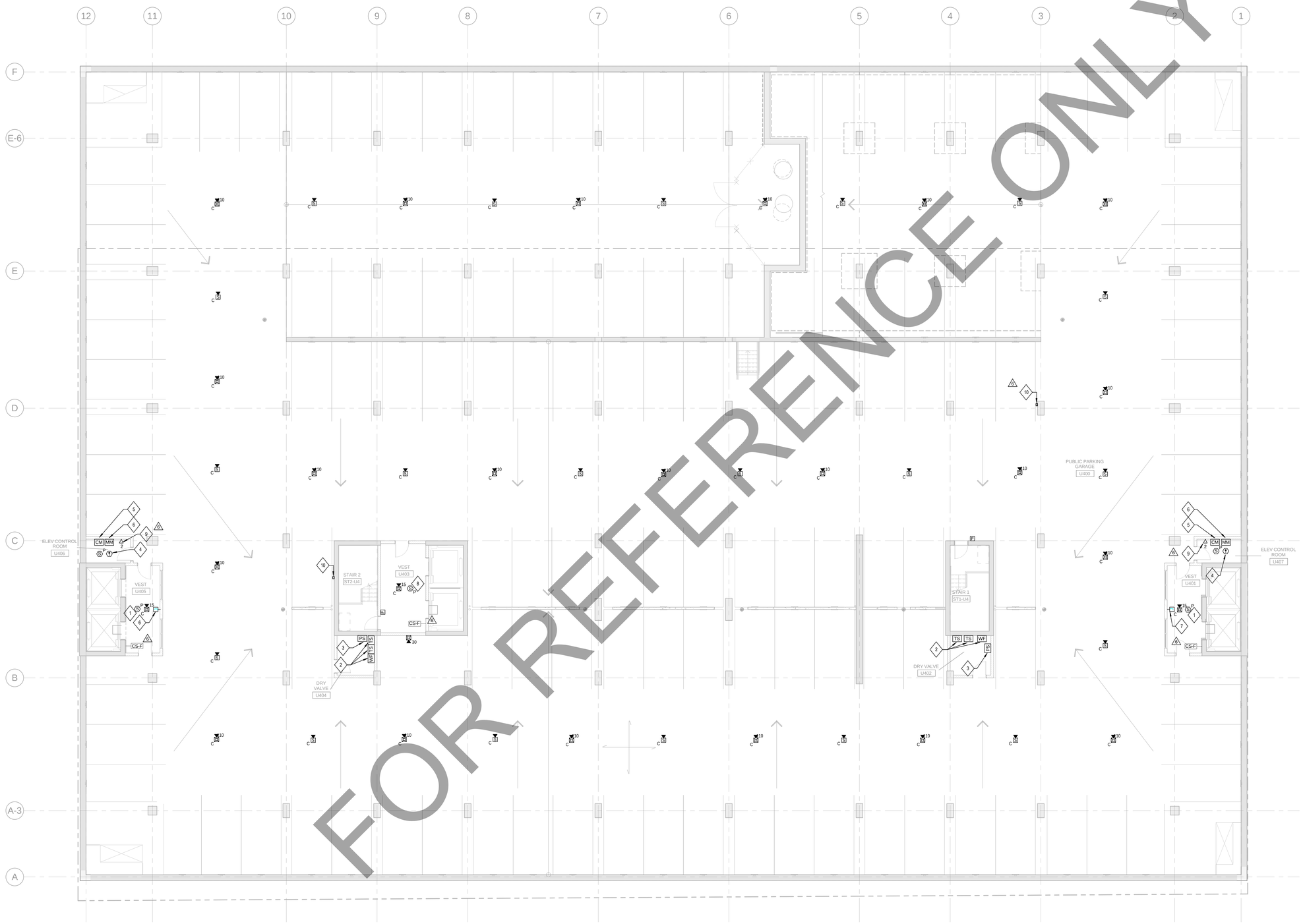
Drawn	Date
AEI	9/14/2018 11:40:19 AM
Checked By	**Drawing Number**
AEI	
Approved	
AEI	E-114.0
Job Number	
215-1051	

GENERAL NOTES

1. REFER TO MECHANICAL, M-SERIES DRAWINGS FOR LOCATIONS OF FIRE/SMOKE DAMPERS. EACH FIRE/SMOKE DAMPER SHALL HAVE A DEDICATED DUCT MOUNTED SMOKE DETECTOR LOCATED WITHIN 5'-0" OF THE FIRE/SMOKE DAMPER. THE DETECTOR SHALL BE FURNISHED BY THE FIRE ALARM VENDOR. INSTALLATION IN DUCT BY FIRE ALARM CONTRACTOR. WHEN DUCT DETECTOR IS NOT LOCATED IN PLAIN SIGHT OR IS LOCATED MORE THAN 10' ABOVE FLOOR PROVIDE REMOTE TEST SWITCH AND ALARM STATUS INDICATOR IN NEARBY ACCESSIBLE, NON-PUBLIC LOCATION. COORDINATE LOCATION WITH ARCHITECT/OWNER.
2. SPECIFICATION SECTION 28 3116 AND FIRE ALARM DRAWINGS ESTABLISH THE MINIMUM REQUIREMENTS FOR THE FIRE ALARM SYSTEM SCOPE OF WORK. PROVIDE ALL EQUIPMENT, DEVICES, APPLIANCES, WIRING AND MATERIALS NECESSARY FOR A COMPLETE AND EXPANDABLE SYSTEM WHICH ADHERES TO APPLICABLE CODES AND STANDARDS.
3. SMOKE DETECTORS SHALL BE LOCATED IN ACCESSIBLE LOCATIONS FOR TESTING AND MAINTENANCE.
4. REFER TO ELECTRICAL POWER DRAWINGS FOR ELECTRICAL CIRCUITS PROVIDED FOR FIRE ALARM SYSTEM EQUIPMENT.
5. REFER TO FIRE PROTECTION DRAWINGS FOR EXACT QUANTITY AND LOCATION OF WATER FLOW AND TAMPER SWITCHES. PROVIDE MONITORING MODULE AT EACH WATER FLOW AND TAMPER SWITCH FOR FIRE ALARM SYSTEM MONITORING.
6. PROVIDE A COMPLETE TURN-KEY EMERGENCY RESPONDER RADIO COVERAGE SYSTEM PER SPECIFICATION 275319

SHEET KEY NOTES

1. INTERFACE ELECTOR LOBBY SMOKE DETECTOR TO ELEVATOR RECALL SYSTEM VIA ADDRESSABLE RELAY AT EACH ELEVATOR CONTROLLER. COORDINATE ALL ELEVATOR RECALL FIRE ALARM INITIATING DEVICES WITH ELEVATOR CONTRACTOR.
2. PROVIDE WATER FLOW AND/OR TAMPER SWITCH MONITORING BY FIRE ALARM SYSTEM FOR DEVICES INDICATED. SPRINKLER ZONE NAME DESIGNATED BY FIRE PROTECTION CONTRACTOR SHALL BE SAME NAME TO IDENTIFY ZONE ON FIRE ALARM SYSTEM.
3. PROVIDE SPRINKLER SYSTEM PRESSURE SWITCH MONITORING BY FIRE ALARM SYSTEM. PRESSURE SWITCH NAME DESIGNATED BY FIRE PROTECTION CONTRACTOR SHALL BE SAME NAME TO IDENTIFY SWITCH ON FIRE ALARM SYSTEM.
4. PROVIDE A HEAT DETECTOR WITHIN 2'-0" OF EVERY SPRINKLER HEAD IN ELEVATOR CONTROL ROOM. HEAT/SMOKE DETECTOR SHALL INITIATE ELEVATOR RECALL.
5. PROVIDE ADDRESSABLE CONTROL MODULE FOR SHUNT TRIP OF ELEVATOR CONTROLLER POWER AND VOLTAGE MONITORING OF THE CONTROL CIRCUIT. SUPERVISORY TROUBLE ALARM UPON LOSS OF VOLTAGE. PROVIDE ADDITIONAL CONTROL MODULES ELEVATOR RECALL PRIMARY LEVEL, ELEVATOR RECALL SECONDARY LEVEL AND ELEVATOR FIREMAN OPERATION SIGNAL IN ELEVATOR CAB.
6. PROVIDE ADDRESSABLE MONITORING MODULE TO MONITOR STATUS OF AVAILABLE SHUNT TRIP POWER.
7. PROVIDE FLUSH JUNCTION BOX AND 1" CONDUIT WITH PULL STRING FROM LEVEL U0-NETPOP ROOM U001 TO JUNCTION BOX FOR FUTURE CABLING TO FUTURE ADVERTISEMENT SIGN.
8. ELEVATOR LOBBY SMOKE DETECTOR TO BE PROVIDED FOR FUTURE INTERFACE WITH ELEVATOR RECALL SYSTEM WHEN ELEVATOR CONTROLLER IS INSTALLED. PROVIDE SEPARATE ZONE FOR ELEVATOR LOBBY SMOKE DETECTOR PER SPECIFICATION SECTION 283116.
9. PROVIDE OUTLET FOR CONNECTION TO ELEVATOR EMERGENCY TELEPHONES. VERIFY EXACT LOCATION AND ALL REQUIREMENTS WITH ELEVATOR CONTRACTOR PRIOR TO ROUGH-IN. TERMINATE CABLES TO PATCH PANEL IN ENCLOSURE IN ROOM U206
10. RISER CONDUIT AND PULL BOXES FOR TECHNOLOGY CABLING. REFER TO SHEET E-401, DETAIL 3 FOR MORE INFORMATION.



FOR REFERENCE ONLY

1 **SYSTEMS UNDERGROUND PARKING PLAN - LEVEL U4**
SCALE: 1/8" = 1'-0"

TRUE NORTH
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General Notes

No.	Description	Date
7	BID DOCUMENTS	09/07/2017
6	ADDENDUM 2	07/28/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

NEW MUNICIPAL PARKING FACILITY

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

SYSTEMS UNDERGROUND PARKING PLAN - LEVEL U4

Drawn	Date
AEI	9/5/2017 12:01:23 PM
Checked By	**Drawing Number**
AEI	E-120.1
Approved	
AEI	
Job Number	
215-1051	

6. PROVIDE A COMPLETE TURN-KEY EMERGENCY RESPONDER RADIO COVERAGE SYSTEM PER SPECIFICATION 275319

GENERAL NOTES

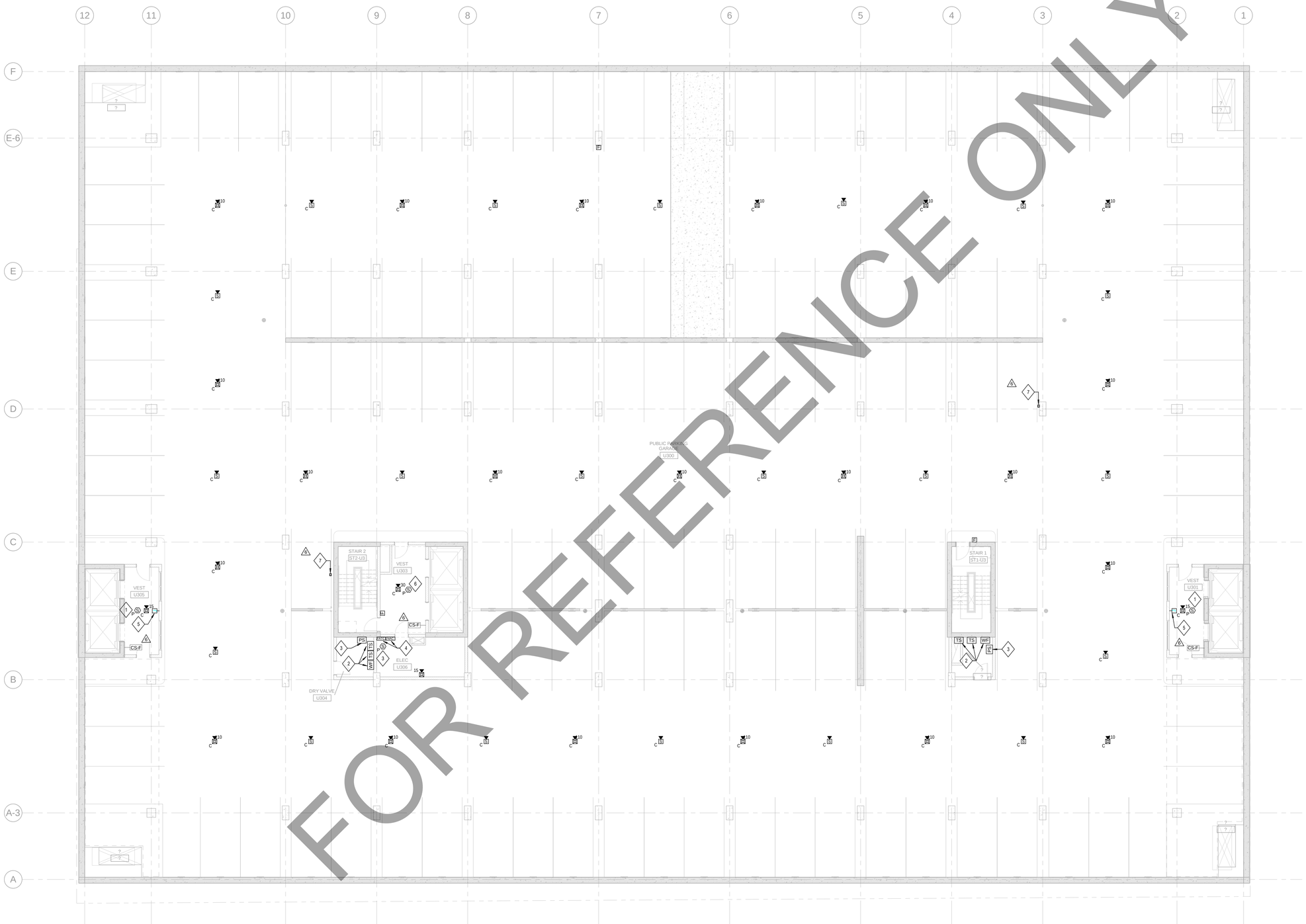
1. REFER TO MECHANICAL, M-SERIES DRAWINGS FOR LOCATIONS OF FIRE/SMOKE DAMPERS. EACH FIRE/SMOKE DAMPER SHALL HAVE A DEDICATED DUCT MOUNTED SMOKE DETECTOR LOCATED WITHIN 5'-0" OF THE FIRE/SMOKE DAMPER. THE DETECTOR SHALL BE FURNISHED BY THE FIRE ALARM VENDOR. INSTALLATION IN DUCT BY FIRE ALARM CONTRACTOR. WHEN DUCT DETECTOR IS NOT LOCATED IN PLAIN SIGHT OR IS LOCATED MORE THAN 10' ABOVE FLOOR PROVIDE REMOTE TEST SWITCH AND ALARM STATUS INDICATOR IN NEARBY ACCESSIBLE, NON-PUBLIC LOCATION. COORDINATE LOCATION WITH ARCHITECT/OWNER.
2. SPECIFICATION SECTION 28 3116 AND FIRE ALARM DRAWINGS ESTABLISH THE MINIMUM REQUIREMENTS FOR THE FIRE ALARM SYSTEM SCOPE OF WORK. PROVIDE ALL EQUIPMENT, DEVICES, APPLIANCES, WIRING AND MATERIALS NECESSARY FOR A COMPLETE AND EXPANDABLE SYSTEM WHICH ADHERES TO APPLICABLE CODES AND STANDARDS.
3. SMOKE DETECTORS SHALL BE LOCATED IN ACCESSIBLE LOCATIONS FOR TESTING AND MAINTENANCE.
4. REFER TO ELECTRICAL POWER DRAWINGS FOR ELECTRICAL CIRCUITS PROVIDED FOR FIRE ALARM SYSTEM EQUIPMENT.
5. REFER TO FIRE PROTECTION DRAWINGS FOR EXACT QUANTITY AND LOCATION OF WATER FLOW AND TAMPER SWITCHES. PROVIDE MONITORING MODULE AT EACH WATER FLOW AND TAMPER SWITCH FOR FIRE ALARM SYSTEM MONITORING.

6. ELEVATOR LOBBY SMOKE DETECTOR TO BE PROVIDED FOR FUTURE INTERFACE WITH ELEVATOR RECALL SYSTEM WHEN ELEVATOR CONTROLLER IS INSTALLED. PROVIDE SEPARATE ZONE FOR ELEVATOR LOBBY SMOKE DETECTOR PER SPECIFICATION SECTION 283116.

7. RISER CONDUIT AND PULL BOXES FOR TECHNOLOGY CABLING. REFER TO SHEET E-401, DETAIL 3 FOR MORE INFORMATION.

SHEET KEY NOTES

1. INTERFACE ELEVATOR LOBBY SMOKE DETECTOR TO ELEVATOR RECALL SYSTEM VIA ADDRESSABLE RELAY AT EACH ELEVATOR CONTROLLER. COORDINATE ALL ELEVATOR RECALL FIRE ALARM INITIATING DEVICES WITH ELEVATOR CONTRACTOR.
2. PROVIDE WATER FLOW AND/OR TAMPER SWITCH MONITORING BY FIRE ALARM SYSTEM FOR DEVICES INDICATED. SPRINKLER ZONE NAME DESIGNATED BY FIRE PROTECTION CONTRACTOR SHALL BE SAME NAME TO IDENTIFY ZONE ON FIRE ALARM SYSTEM.
3. PROVIDE SMOKE DETECTOR WITHIN 5' OF FIRE ALARM EQUIPMENT IN THIS ROOM. IF NO FIRE ALARM EQUIPMENT IS REQUIRED IN THIS ROOM DO NOT INSTALL SMOKE DETECTOR. COORDINATE WITH FIRE ALARM CONTRACTOR AND APPROVED FIRE ALARM SHOP DRAWINGS.
4. SPACE RESERVED FOR FIRE ALARM EQUIPMENT. ALL FIRE ALARM EQUIPMENT SHALL BE LOCATED IN ELECTRICAL ROOMS. COORDINATE EQUIPMENT LOCATIONS AND REQUIREMENTS WITH FIRE ALARM CONTRACTOR AND APPROVED SHOP DRAWINGS.
5. PROVIDE FLUSH JUNCTION BOX AND 1" CONDUIT WITH PULL STRING FROM LEVEL U0 NETPOP ROOM U001 TO JUNCTION BOX FOR FUTURE CABLING TO FUTURE ADVERTISEMENT SIGN.



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1 **SYSTEMS UNDERGROUND PARKING PLAN - LEVEL U3**
SCALE: 1/8" = 1'-0"

TRUE NORTH
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General Notes

No.	Description	Date
7	BID DOCUMENTS	09/07/2017
6	ADDENDUM 2	07/28/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

NEW MUNICIPAL PARKING FACILITY

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE

Drawing Title

SYSTEMS UNDERGROUND PARKING PLAN - LEVEL U3

Drawn	Date
AEI	9/5/2017 12:01:27 PM
Checked By	**Drawing Number**
AEI	E-120.2
Approved	
AEI	
Job Number	
215-1051	

6. PROVIDE A COMPLETE TURN-KEY EMERGENCY RESPONDER RADIO COVERAGE SYSTEM PER SPECIFICATION 275319

GENERAL NOTES

1. REFER TO MECHANICAL, M-SERIES DRAWINGS FOR LOCATIONS OF FIRE/SMOKE DAMPERS. EACH FIRE/SMOKE DAMPER SHALL HAVE A DEDICATED DUCT MOUNTED SMOKE DETECTOR LOCATED WITHIN 5'-0" OF THE FIRE/SMOKE DAMPER. THE DETECTOR SHALL BE FURNISHED BY THE FIRE ALARM VENDOR. INSTALLATION IN DUCT BY FIRE ALARM CONTRACTOR. WHEN DUCT DETECTOR IS NOT LOCATED IN PLAIN SIGHT OR IS LOCATED MORE THAN 10' ABOVE FLOOR PROVIDE REMOTE TEST SWITCH AND ALARM STATUS INDICATOR IN NEARBY ACCESSIBLE, NON-PUBLIC LOCATION. COORDINATE LOCATION WITH ARCHITECT/OWNER.
2. SPECIFICATION SECTION 28 3116 AND FIRE ALARM DRAWINGS ESTABLISH THE MINIMUM REQUIREMENTS FOR THE FIRE ALARM SYSTEM SCOPE OF WORK. PROVIDE ALL EQUIPMENT, DEVICES, APPLIANCES, WIRING AND MATERIALS NECESSARY FOR A COMPLETE AND EXPANDABLE SYSTEM WHICH ADHERES TO APPLICABLE CODES AND STANDARDS.
3. SMOKE DETECTORS SHALL BE LOCATED IN ACCESSIBLE LOCATIONS FOR TESTING AND MAINTENANCE.
4. REFER TO ELECTRICAL POWER DRAWINGS FOR ELECTRICAL CIRCUITS PROVIDED FOR FIRE ALARM SYSTEM EQUIPMENT.
5. REFER TO FIRE PROTECTION DRAWINGS FOR EXACT QUANTITY AND LOCATION OF WATER FLOW AND TAMPER SWITCHES. PROVIDE MONITORING MODULE AT EACH WATER FLOW AND TAMPER SWITCH FOR FIRE ALARM SYSTEM MONITORING.

SHEET KEY NOTES

1. INTERFACE ELEVATOR LOBBY SMOKE DETECTOR TO ELEVATOR RECALL SYSTEM VIA ADDRESSABLE RELAY AT EACH ELEVATOR CONTROLLER. COORDINATE ALL ELEVATOR RECALL FIRE ALARM INITIATING DEVICES WITH ELEVATOR CONTRACTOR.
2. PROVIDE WATER FLOW AND/OR TAMPER SWITCH MONITORING BY FIRE ALARM SYSTEM FOR DEVICES INDICATED. SPRINKLER ZONE NAME DESIGNATED BY FIRE PROTECTION CONTRACTOR SHALL BE SAME NAME TO IDENTIFY ZONE ON FIRE ALARM SYSTEM.
3. PROVIDE FLUSH JUNCTION BOX AND 1" CONDUIT WITH PULL STRING FROM LEVEL U0 NETPOP ROOM U001 TO JUNCTION BOX FOR FUTURE CABLING TO FUTURE ADVERTISEMENT SIGN.
4. ELEVATOR LOBBY SMOKE DETECTOR TO BE PROVIDED FOR FUTURE INTERFACE WITH ELEVATOR RECALL SYSTEM WHEN ELEVATOR CONTROLLER IS INSTALLED. PROVIDE SEPARATE ZONE FOR ELEVATOR LOBBY SMOKE DETECTOR PER SPECIFICATION SECTION 283116.
5. REFER TO HUB DRAWINGS FOR CONDUIT AND CABLING REQUIREMENTS TO GATE AND INTERCONNECTING CONDUIT AND WIRING BETWEEN GATES. CONTRACTOR TO PROVIDE CONDUIT AND WIRING AND MAKE FINAL TERMINATIONS.
6. RISER CONDUIT AND PULL BOXES FOR TECHNOLOGY CABLING. REFER TO SHEET E-401, DETAIL 3 FOR MORE INFORMATION.
7. THE SIOs IN THIS ROOM ARE OVER 290' FROM NETPOP. PROVIDE 19RU WALL CABINET (CPI CUBE-IT 11900-736 OR EQUAL) AND 12-STRAND OM4 MM FIBER BETWEEN THIS ROOM AND RACKS IN NETPOP. CABLE SIOs IN ROOM TO PATCH PANEL IN ENCLOSURE. NETWORK SWITCH AND UPS WITHIN ENCLOSURE IS OFOI.

FOR REFERENCE ONLY

1 **SYSTEMS UNDERGROUND PARKING PLAN - LEVEL U2**

SCALE: 1/8" = 1'-0"

TRUE NORTH
PROJECT NORTH

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General Notes

No.	Description	Date
7	BID DOCUMENTS	09/07/2017
6	ADDENDUM 2	07/28/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

NEW MUNICIPAL PARKING FACILITY

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

SYSTEMS UNDERGROUND PARKING PLAN - LEVEL U2

Drawn	Date
AEI	9/5/2017 12:01:32 PM
Checked By	**Drawing Number**
AEI	
Approved	
AEI	
Job Number	
215-1051	

E-120.3

6. PROVIDE A COMPLETE TURN-KEY EMERGENCY RESPONDER RADIO COVERAGE SYSTEM PER SPECIFICATION 275319

GENERAL NOTES

1. REFER TO MECHANICAL, M-SERIES DRAWINGS FOR LOCATIONS OF FIRE/SMOKE DAMPERS. EACH FIRE/SMOKE DAMPER SHALL HAVE A DEDICATED DUCT MOUNTED SMOKE DETECTOR LOCATED WITHIN 5'-0" OF THE FIRE/SMOKE DAMPER. THE DETECTOR SHALL BE FURNISHED BY THE FIRE ALARM VENDOR. INSTALLATION IN DUCT BY FIRE ALARM CONTRACTOR. WHEN DUCT DETECTOR IS NOT LOCATED IN PLAIN SIGHT OR IS LOCATED MORE THAN 10' ABOVE FLOOR PROVIDE REMOTE TEST SWITCH AND ALARM STATUS INDICATOR IN NEARBY ACCESSIBLE, NON-PUBLIC LOCATION. COORDINATE LOCATION WITH ARCHITECT/OWNER.
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3. SMOKE DETECTORS SHALL BE LOCATED IN ACCESSIBLE LOCATIONS FOR TESTING AND MAINTENANCE.
4. REFER TO ELECTRICAL POWER DRAWINGS FOR ELECTRICAL CIRCUITS PROVIDED FOR FIRE ALARM SYSTEM EQUIPMENT.
5. REFER TO FIRE PROTECTION DRAWINGS FOR EXACT QUANTITY AND LOCATION OF WATER FLOW AND TAMPER SWITCHES. PROVIDE MONITORING MOQUILE AT EACH WATER FLOW AND TAMPER SWITCH FOR FIRE ALARM SYSTEM MONITORING.

7. RISER CONDUIT AND PULL BOXES FOR TECHNOLOGY CABLING. REFER TO SHEET E-401, DETAIL 3 FOR MORE INFORMATION.

SHEET KEY NOTES

1. INTERFACE ELEVATOR LOBBY SMOKE DETECTOR TO ELEVATOR RECALL SYSTEM VIA ADDRESSABLE RELAY AT EACH ELEVATOR CONTROLLER. COORDINATE ALL ELEVATOR RECALL FIRE ALARM INITIATING DEVICES WITH ELEVATOR CONTRACTOR.
2. PROVIDE WATER FLOW AND/OR TAMPER SWITCH MONITORING BY FIRE ALARM SYSTEM FOR DEVICES INDICATED. SPRINKLER ZONE NAME DESIGNATED BY FIRE PROTECTION CONTRACTOR SHALL BE SAME NAME TO IDENTIFY ZONE ON FIRE ALARM SYSTEM.
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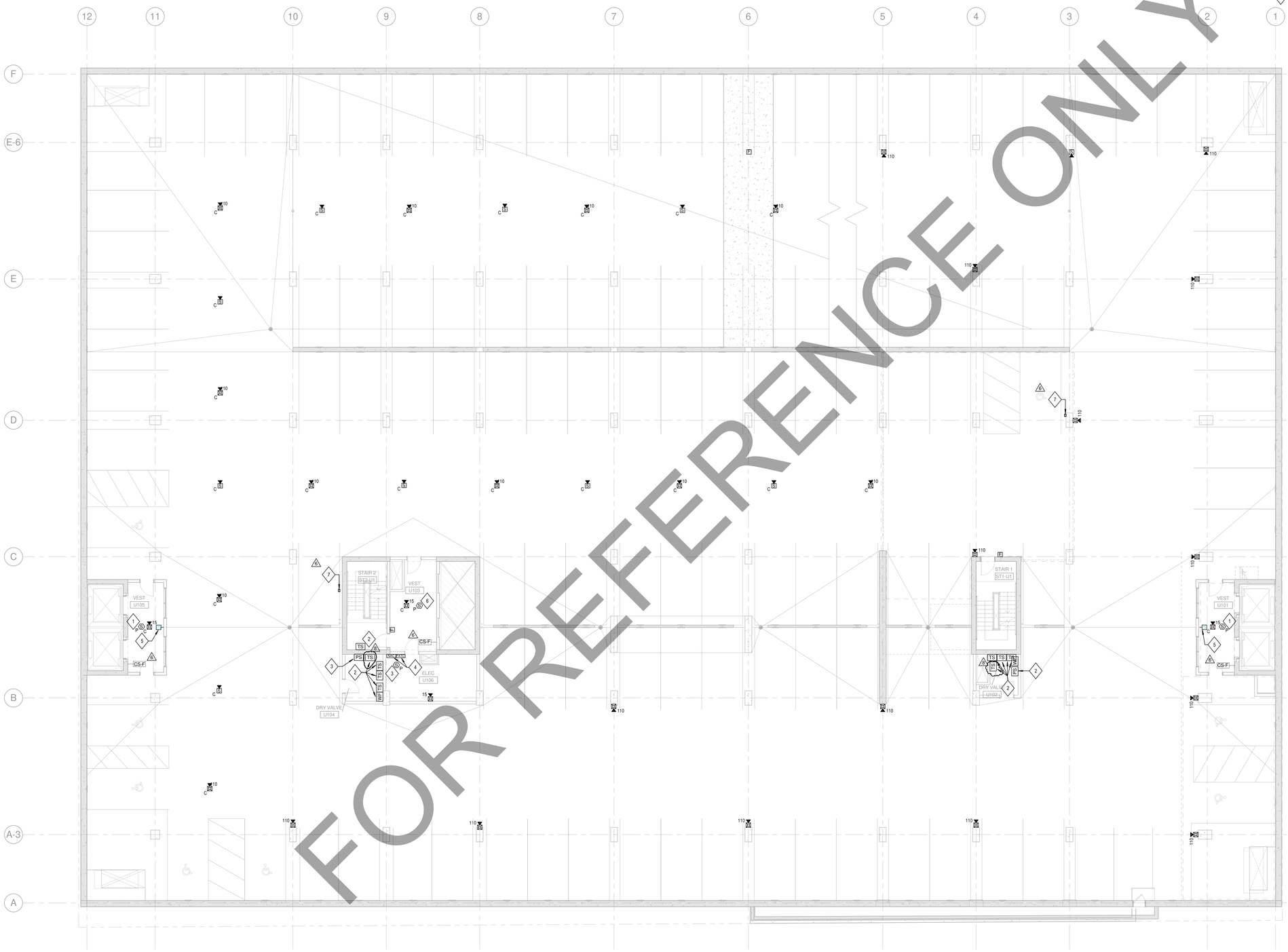
4. SPACE RESERVED FOR FIRE ALARM EQUIPMENT. ALL FIRE ALARM EQUIPMENT SHALL BE LOCATED IN ELECTRICAL ROOMS. COORDINATE EQUIPMENT LOCATIONS AND REQUIREMENTS WITH FIRE ALARM CONTRACTOR AND APPROVED SHOP DRAWINGS.

   PROVIDE FLUSH JUNCTION BOX AND 1"CONDUIT WITH PULL STRING FROM LEVEL U0 NETPOP ROOM U001 TO JUNCTION BOX FOR FUTURE CABLING TO FUTURE ADVERTISEMENT SIGN.
5. ELEVATOR LOBBY SMOKE DETECTOR TO BE PROVIDED FOR FUTURE INTERFACE WITH ELEVATOR RECALL SYSTEM WHEN ELEVATOR CONTROLLER IS INSTALLED. PROVIDE SEPARATE ZONE FOR ELEVATOR LOBBY SMOKE DETECTOR PER SPECIFICATION SECTION 283116.



FOR REFERENCE ONLY

1 **SYSTEMS UNDERGROUND PARKING PLAN - LEVEL U1**
SCALE: 1/8" = 1'-0"

TRUE NORTH
PROJECT NORTH

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General Notes

No.	Description	Date
8	FINAL BULLETIN #6	09/14/2018
7	BID DOCUMENTS	09/07/2017
6	ADDENDUM 2	07/28/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

NEW MUNICIPAL PARKING FACILITY

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

SYSTEMS UNDERGROUND PARKING PLAN - LEVEL U1

Drawn	Date
AEI	9/14/2018 11:40:20 AM
Checked By	Drawing Number
AEI	
Approved	
AEI	E-120.4
Job Number	
215-1051	

GENERAL NOTES

6. PROVIDE A COMPLETE TURN-KEY EMERGENCY RESPONDER RADIO COVERAGE SYSTEM PER SPECIFICATION 275319

1. REFER TO MECHANICAL, M-SERIES DRAWINGS FOR LOCATIONS OF FIRE/SMOKE DAMPERS. EACH FIRE/SMOKE DAMPER SHALL HAVE A DEDICATED DUCT MOUNTED SMOKE DETECTOR LOCATED WITHIN 5'-0" OF THE FIRE/SMOKE DAMPER. THE DETECTOR SHALL BE FURNISHED BY THE FIRE ALARM VENDOR. INSTALLATION IN DUCT BY FIRE ALARM CONTRACTOR. WHEN DUCT DETECTOR IS NOT LOCATED IN PLAIN SIGHT OR IS LOCATED MORE THAN 10' ABOVE FLOOR PROVIDE REMOTE TEST SWITCH AND ALARM STATUS INDICATOR IN NEARBY ACCESSIBLE, NON-PUBLIC LOCATION. COORDINATE LOCATION WITH ARCHITECTOWNER.
2. SPECIFICATION SECTION 28 3116 AND FIRE ALARM DRAWINGS ESTABLISH THE MINIMUM REQUIREMENTS FOR THE FIRE ALARM SYSTEM SCOPE OF WORK. PROVIDE ALL EQUIPMENT, DEVICES, APPLIANCES, WIRING AND MATERIALS NECESSARY FOR A COMPLETE AND EXPANDABLE SYSTEM WHICH ADHERES TO APPLICABLE CODES AND STANDARDS.
3. SMOKE DETECTORS SHALL BE LOCATED IN ACCESSIBLE LOCATIONS FOR TESTING AND MAINTENANCE.
4. REFER TO ELECTRICAL POWER DRAWINGS FOR ELECTRICAL CIRCUITS PROVIDED FOR FIRE ALARM SYSTEM EQUIPMENT.
5. REFER TO FIRE PROTECTION DRAWINGS FOR EXACT QUANTITY AND LOCATION OF WATER FLOW AND TAMPER SWITCHES. PROVIDE MONITORING MODULE AT EACH WATER FLOW AND TAMPER SWITCH FOR FIRE ALARM SYSTEM MONITORING.

SHEET KEY NOTES

1. INTERFACE ELEVATOR LOBBY SMOKE DETECTOR TO ELEVATOR RECALL SYSTEM VIA ADDRESSABLE RELAY AT EACH ELEVATOR CONTROLLER. COORDINATE ALL ELEVATOR RECALL FIRE ALARM INITIATING DEVICES WITH ELEVATOR CONTRACTOR.
2. PROVIDE WATER FLOW AND/OR TAMPER SWITCH MONITORING BY FIRE ALARM SYSTEM FOR DEVICES INDICATED. SPRINKLER ZONE NAME DESIGNATED BY FIRE PROTECTION CONTRACTOR SHALL BE SAME NAME TO IDENTIFY ZONE ON FIRE ALARM SYSTEM.
3. PROVIDE SMOKE DETECTOR WITHIN 5' OF FIRE ALARM EQUIPMENT IN THIS ROOM. IF NO FIRE ALARM EQUIPMENT IS REQUIRED IN THIS ROOM DO NOT INSTALL SMOKE DETECTOR. COORDINATE WITH FIRE ALARM CONTRACTOR AND APPROVED FIRE ALARM SHOP DRAWINGS.
4. SPACE RESERVED FOR FIRE ALARM EQUIPMENT. ALL FIRE ALARM EQUIPMENT SHALL BE LOCATED IN ELECTRICAL ROOMS. COORDINATE EQUIPMENT LOCATIONS AND REQUIREMENTS WITH FIRE ALARM CONTRACTOR AND APPROVED SHOP DRAWINGS.
5. PROVIDE FIRE ALARM MONITORING MODULES TO INDIVIDUALLY MONITOR CONDITIONS OF FIRE PUMP AND TRANSFER SWITCH FOR: AC LOSS, PUMP RUN, PHASE REVERSAL AND LOSS OF PHASE. LOCATE MODULES WITHIN 3'0" OF PUMP CONTROLLER. COORDINATE EXACT LOCATIONS WITH FIRE PUMP PROVIDER.
6. PROVIDE FLUSH JUNCTION BOX AND 1"CONDUIT WITH PULL STRING FROM LEVEL U0 NETPOP ROOM U001 TO JUNCTION BOX FOR FUTURE CABLING TO FUTURE ADVERTISEMENT SIGN.
7. ELEVATOR LOBBY SMOKE DETECTOR TO BE PROVIDED FOR FUTURE INTERFACE WITH ELEVATOR RECALL SYSTEM WHEN ELEVATOR CONTROLLER IS INSTALLED. PROVIDE SEPARATE ZONE FOR ELEVATOR LOBBY SMOKE DETECTOR PER SPECIFICATION SECTION 283116.
8. NOT USED.
9. RISER CONDUIT AND PULL BOXES FOR TECHNOLOGY CABLING. REFER TO SHEET E-401, DETAIL 3 FOR MORE INFORMATION.
10. RGS CONDUITS TIGHT TO STRUCTURE. COORDINATE AND INTERCEPT TELECOMMUNICATIONS SERVICE PROVIDER CONDUITS. APPROXIMATE ROUTE AND CONNECTION LOCATION SHOWN.
11. RGS CONDUITS TIGHT TO STRUCTURE. COORDINATE AND INTERCEPT CITY TELECOMMUNICATIONS SERVICE PROVIDER CONDUITS. APPROXIMATE ROUTE AND CONNECTION LOCATION SHOWN.

FOR REFERENCE ONLY

1 **SYSTEMS UNDERGROUND PARKING PLAN - LEVEL U0**
SCALE: 1/8" = 1'-0"

No.	Description	Date
8	BID DOCUMENTS	09/07/2017
7	ADDENDUM 3	08/02/2017
6	ADDENDUM 2	07/28/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

NEW MUNICIPAL PARKING FACILITY

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

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LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

SYSTEMS UNDERGROUND PARKING PLAN - LEVEL U0

Drawn	Date
AEI	9/5/2017 12:01:41 PM
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AEI	
Approved	
AEI	E-120.5
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215-1051	

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GENERAL NOTES

6. REFER TO ELECTRICAL POWER DRAWINGS FOR ELECTRICAL CIRCUITS PROVIDED FOR FIRE ALARM SYSTEM EQUIPMENT.
7. REFER TO FIRE PROTECTION DRAWINGS FOR EXACT QUANTITY AND LOCATION OF WATER FLOW AND TAMPER SWITCHES. PROVIDE MONITORING MODULE AT EACH WATER FLOW AND TAMPER SWITCH FOR FIRE ALARM SYSTEM MONITORING.
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6

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11 PROVIDE JUNCTION BOX AND CONDUIT AND WIRING BETWEEN GARAGE OFFICE AND PAY STATION. REFER TO HUB DRAWINGS FOR CONDUIT AND CABLING REQUIREMENTS TO PAY STATION.

12 PROVIDE EMPTY JUNCTION BOX AND EMPTY CONDUIT AND PULL STRING BETWEEN GARAGE OFFICE AND FUTURE PAY STATION LOCATION. REFER TO HUB DRAWINGS FOR CONDUIT REQUIREMENTS TO FUTURE PAY STATION.

6

13 RISER CONDUIT AND PULL BOXES FOR TECHNOLOGY CABLING. REFER TO SHEET E-401, DETAIL 3 FOR MORE INFORMATION.

14 2-WAY COMMUNICATION SYSTEM MASTER STATION. COORDINATE EXACT LOCATION WITH FIRE DEPARTMENT.

5 PROVIDE SMOKE DETECTOR WITHIN 5' OF FIRE ALARM EQUIPMENT IN THIS ROOM.

6 COORDINATE WITH CITY TO HAVE A PHONE LINE PROVIDED TO THE FIRE ALARM CONTROL PANEL TO CALL TYPCO SECURITY WHEN IN ALARM.

7 PROVIDE 1" EMPTY CONDUIT WITH PULL STRING FROM FIRE ALARM CONTROL PANEL LOCATED IN GARAGE OFFICE TO THIS LOCATION AND CAP FOR FUTURE EXTENSION TO FIRE COMMAND CENTER.

8 PROVIDE FLUSH JUNCTION BOX AND 1"CONDUIT WITH PULL STRING FROM LEVEL U0 NETPOP ROOM U001 TO JUNCTION BOX FOR FUTURE CABLING TO FUTURE ADVERTISEMENT SIGN.

9 ELEVATOR LOBBY SMOKE DETECTOR TO BE PROVIDED FOR FUTURE INTERFACE WITH ELEVATOR RECALL SYSTEM WHEN ELEVATOR CONTROLLER IS INSTALLED. PROVIDE SEPARATE ZONE FOR ELEVATOR LOBBY SMOKE DETECTOR PER SPECIFICATION SECTION 283116.

10 REFER TO HUB DRAWINGS FOR CONDUIT AND CABLING REQUIREMENTS TO GATE AND INTERCONNECTING CONDUIT AND WIRING BETWEEN GATES. CONTRACTOR TO PROVIDE CONDUIT AND WIRING AND MAKE FINAL TERMINATIONS.

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2 PROVIDE TAMPER SWITCH MONITORING BY FIRE ALARM SYSTEM FOR DEVICES INDICATED. SPRINKLER ZONE NAME DESIGNATED BY FIRE PROTECTION CONTRACTOR SHALL BE SAME NAME TO IDENTIFY ZONE ON FIRE ALARM SYSTEM.

3 PROVIDE WATERPROOF FIRE ALARM SYSTEM RED AUDIBLE/STROBE DEVICE ABOVE FIRE DEPARTMENT CONNECTION. COORDINATE MOUNTING LOCATION AND HEIGHT TO BE VIEWABLE BY THE FIRE DEPARTMENT. PROVIDE 24V POWER FROM FIRE ALARM SYSTEM TO WATER FLOW ALARM.

4 FIRE ALARM EQUIPMENT SHALL BE INSTALLED ELECTRICAL ROOMS. FIRE ALARM EQUIPMENT LOCATIONS AND QUANTITIES ARE SHOWN FOR REFERENCE ONLY. COORDINATE EQUIPMENT TYPES AND QUANTITIES WITH APPROVED FIRE ALARM SHOP DRAWINGS AND FIRE ALARM SYSTEM INSTALLING CONTRACTOR. CONTRACTOR SHALL COORDINATE FIRE ALARM EQUIPMENT LOCATIONS WITHIN ROOM.

FOR REFERENCE ONLY

1 **SYSTEMS LEVEL 1 PLAN - WILSON STREET**
SCALE: 1/8" = 1'-0"

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General Notes

No.	Description	Date
7	BID DOCUMENTS	09/07/2017
6	ADDENDUM 2	07/28/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

NEW MUNICIPAL PARKING FACILITY

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE

Drawing Title

SYSTEMS LEVEL 1 PLAN - WILSON STREET

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AEI	E-121.0
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6. PROVIDE A COMPLETE TURN-KEY EMERGENCY RESPONDER RADIO COVERAGE SYSTEM PER SPECIFICATION 275319

GENERAL NOTES

1. REFER TO MECHANICAL, M-SERIES DRAWINGS FOR LOCATIONS OF FIRE/SMOKE DAMPERS. EACH FIRE/SMOKE DAMPER SHALL HAVE A DEDICATED DUCT MOUNTED SMOKE DETECTOR LOCATED WITHIN 5'-0" OF THE FIRE/SMOKE DAMPER. THE DETECTOR SHALL BE FURNISHED BY THE FIRE ALARM VENDOR. INSTALLATION IN DUCT BY FIRE ALARM CONTRACTOR. WHEN DUCT DETECTOR IS NOT LOCATED IN PLAIN SIGHT OR IS LOCATED MORE THAN 10' ABOVE FLOOR PROVIDE REMOTE TEST SWITCH AND ALARM STATUS INDICATOR IN NEARBY ACCESSIBLE, NON-PUBLIC LOCATION. COORDINATE LOCATION WITH ARCHITECT/OWNER.
2. SPECIFICATION SECTION 28 3116 AND FIRE ALARM DRAWINGS ESTABLISH THE MINIMUM REQUIREMENTS FOR THE FIRE ALARM SYSTEM SCOPE OF WORK. PROVIDE ALL EQUIPMENT, DEVICES, APPLIANCES, WIRING AND MATERIALS NECESSARY FOR A COMPLETE AND EXPANDABLE SYSTEM WHICH ADHERES TO APPLICABLE CODES AND STANDARDS.
3. SMOKE DETECTORS SHALL BE LOCATED IN ACCESSIBLE LOCATIONS FOR TESTING AND MAINTENANCE.
4. REFER TO ELECTRICAL POWER DRAWINGS FOR ELECTRICAL CIRCUITS PROVIDED FOR FIRE ALARM SYSTEM EQUIPMENT.
5. REFER TO FIRE PROTECTION DRAWINGS FOR EXACT QUANTITY AND LOCATION OF WATER FLOW AND TAMPER SWITCHES. PROVIDE MONITORING MODULE AT EACH WATER FLOW AND TAMPER SWITCH FOR FIRE ALARM SYSTEM MONITORING.

5 ELEVATOR LOBBY SMOKE DETECTOR TO BE PROVIDED FOR FUTURE INTERFACE WITH ELEVATOR RECALL SYSTEM WHEN ELEVATOR CONTROLLER IS INSTALLED. PROVIDE SEPARATE ZONE FOR ELEVATOR LOBBY SMOKE DETECTOR PER SPECIFICATION SECTION 283116.

6 REFER TO HUB DRAWINGS FOR CONDUIT AND CABLING REQUIREMENTS TO GATE AND INTERCONNECTING CONDUIT AND WIRING BETWEEN GATES. CONTRACTOR TO PROVIDE CONDUIT AND WIRING AND MAKE FINAL TERMINATIONS.

7 PROVIDE JUNCTION BOX AND CONDUIT AND WIRING BETWEEN GARAGE OFFICE AND PAY STATION. REFER TO HUB DRAWINGS FOR CONDUIT AND CABLING REQUIREMENTS TO PAY STATION.

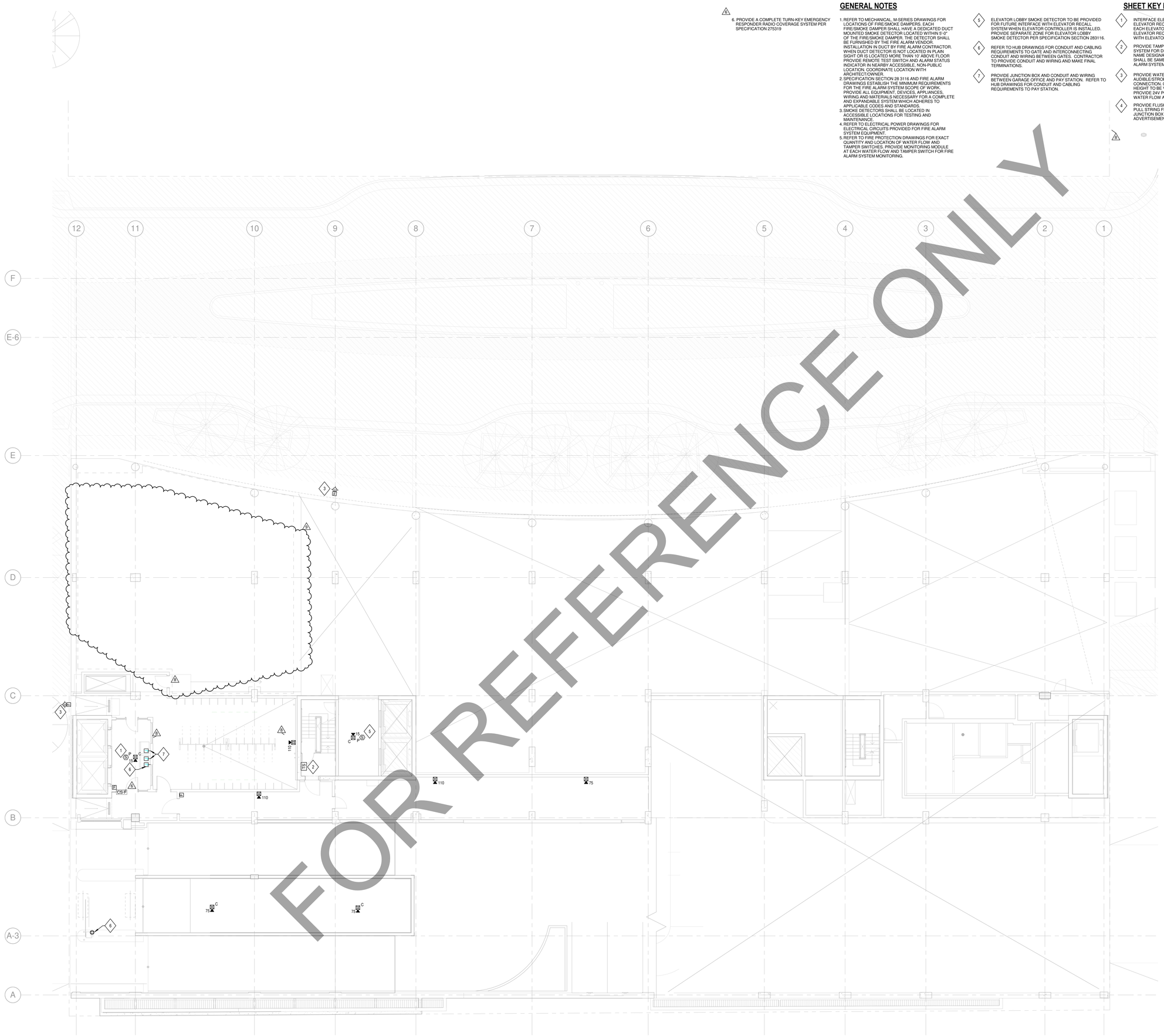
SHEET KEY NOTES

1 INTERFACE ELEVATOR LOBBY SMOKE DETECTOR TO ELEVATOR RECALL SYSTEM VIA ADDRESSABLE RELAY AT EACH ELEVATOR CONTROLLER. COORDINATE ALL ELEVATOR RECALL FIRE ALARM INITIATING DEVICES WITH ELEVATOR CONTRACTOR.

2 PROVIDE TAMPER SWITCH MONITORING BY FIRE ALARM SYSTEM FOR DEVICES INDICATED. SPRINKLER ZONE NAME DESIGNATED BY FIRE PROTECTION CONTRACTOR SHALL BE SAME NAME TO IDENTIFY ZONE ON FIRE ALARM SYSTEM.

3 PROVIDE WATERPROOF FIRE ALARM SYSTEM RED AUDIBLE/STROBE DEVICE ABOVE FIRE DEPARTMENT CONNECTION. COORDINATE MOUNTING LOCATION AND HEIGHT TO BE VIEWABLE BY THE FIRE DEPARTMENT. PROVIDE 24V POWER FROM FIRE ALARM SYSTEM TO WATER FLOW ALARM.

4 PROVIDE FLUSH JUNCTION BOX AND 1"CONDUIT WITH PULL STRING FROM LEVEL U0 NETPOP ROOM U001 TO JUNCTION BOX FOR FUTURE CABLING TO FUTURE ADVERTISEMENT SIGN.



FOR REFERENCE ONLY

1 **SYSTEMS LEVEL 2 PLAN - DOTY STREET**
SCALE: 1/8" = 1'-0"

TRUE NORTH
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General Notes

No.	Description	Date
9	FINAL BULLETIN #6	09/14/2018
8	BULLETIN #2	12/07/2017
7	BID DOCUMENTS	09/07/2017
6	ADDENDUM 2	07/28/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

NEW MUNICIPAL PARKING FACILITY

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano
ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS
MADISON | CHICAGO | ST. LOUIS

PARKING CONSULTANT:
WALKER
PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS
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MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

SYSTEMS LEVEL 2 PLAN - DOTY STREET

Drawn	Date
AEI	9/14/2018 11:40:21 AM
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AEI	E-122.0
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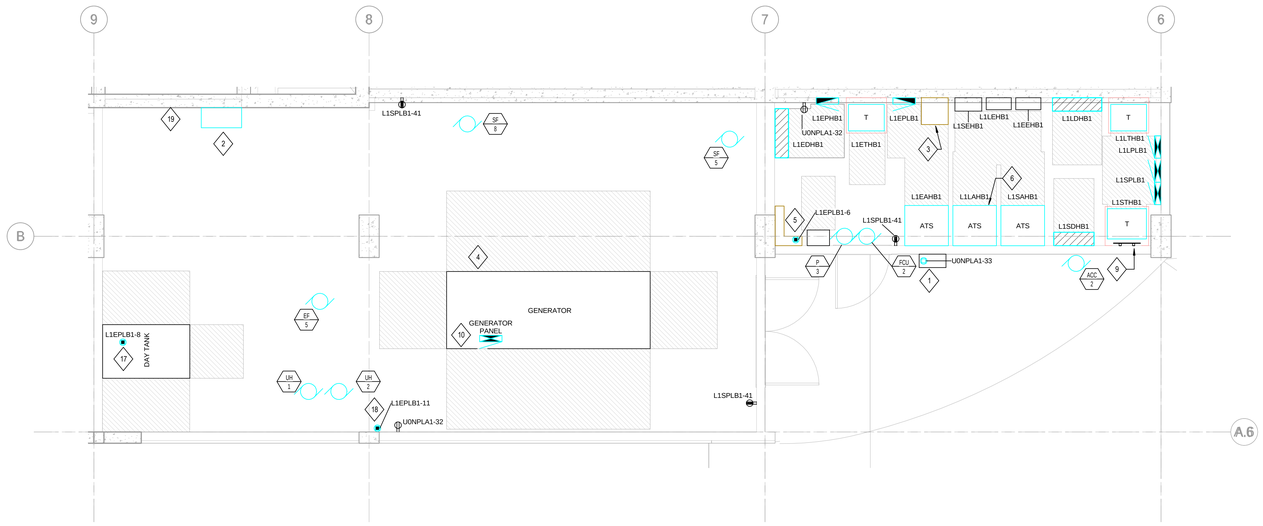
Job Number	
215-1051	



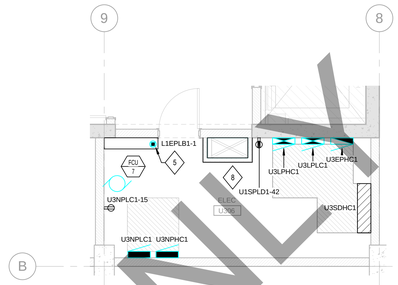
4 **GENERATOR AND EMERGENCY ELECTRICAL ROOMS - LEVEL 1**
SCALE: 1/4" = 1'-0"

GENERAL NOTES

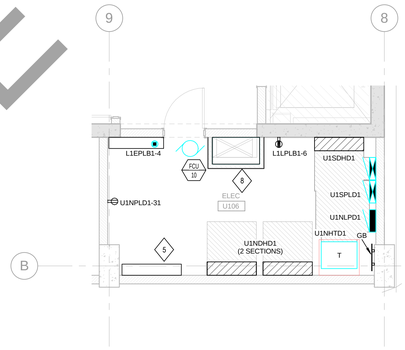
1. REFER TO MECHANICAL, M-SERIES DRAWINGS FOR LOCATIONS OF FIRE/SMOKE DAMPERS. DAMPER AND MOTOR RATED TOGGLE SWITCH PROVIDED BY MECHANICAL CONTRACTOR. PROVIDE 120V LEGALLY REQUIRED STANDBY POWER TO EACH DAMPER, MAXIMUM OF (3) DAMPERS PER 20A CIRCUIT. SERVE FROM NEAREST LEGALLY REQUIRED STANDBY POWER PANELBOARD.
2. REFER TO M-SERIES AND P-SERIES DRAWINGS FOR EXACT MOTOR LOCATIONS. REFER TO MOTOR SCHEDULE ON E-602 FOR ADDITIONAL INFORMATION.
3. ALL FLOOR MOUNTED ELECTRICAL EQUIPMENT SHALL BE MOUNTED ON A HOUSEKEEPING PAD. REFER TO SPECIFICATIONS FOR MORE INFORMATION.
4. REFER TO MECHANICAL DRAWINGS FOR VFD LOCATIONS.

SHEET KEY NOTES

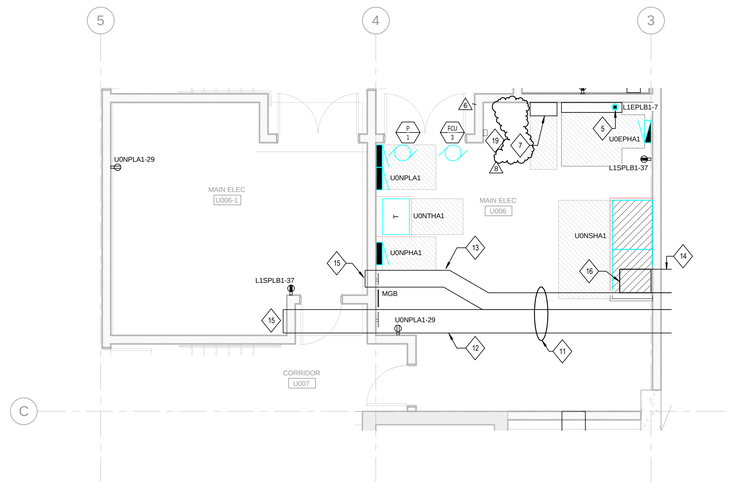
1. LOAD BANK TAP BOX. REFER TO SHEET E-700 FOR MORE INFORMATION. PROVIDE 120V CIRCUIT TO TAP BOX FOR INTEGRAL RECEPTACLE. COORDINATE EXACT LOCATION OF TAP BOX WITH OWNER PRIOR TO ROUGH-IN.
2. OPENING IN FLOOR FOR CONDUITS BETWEEN GENERATOR ROOM AND ELECTRICAL ROOMS ON LEVELS U1 AND U3. 4"X4" WIDE CURB TO BE PROVIDED AROUND OPENING IN FLOOR. CONTRACTOR SHALL COORDINATE CONDUIT ROUTING. PROVIDE FIRE PROOFING OF OPENINGS ONCE ALL CONDUITS ARE INSTALLED.
3. PULLBOX FOR GENERATOR TAP TO EMERGENCY LEGALLY REQUIRED STANDBY AND OPTIONAL STANDBY DISCONNECTS. SIZE PULL BOX FOR QUANTITY OF CONDUITS TO MEET NATIONAL ELECTRICAL CODE SIZING REQUIREMENTS. REFER TO EMERGENCY POWER ONE-LINE DIAGRAM ON E-700 FOR MORE INFORMATION.
4. COORDINATE GENERATOR SIZE AND LOCATION AND GENERATOR PAD SIZE AND LOCATION WITH APPROVED SHOP DRAWINGS. COORDINATE CONDUIT ROUTING TO AND FROM GENERATOR WITH APPROVED SHOP DRAWINGS.
5. SPACE RESERVED FOR FIRE ALARM EQUIPMENT. ALL FIRE ALARM EQUIPMENT SHALL BE LOCATED IN ELECTRICAL ROOMS. PROVIDE 120V EMERGENCY POWER CONNECTION AND DEDICATED CIRCUIT TO FIRE ALARM EQUIPMENT.
6. PROVIDE 1" CONDUIT AND CABLING FROM ATS TO EACH ELEVATOR CONTROL ROOM AND TO EACH ELEVATOR CONTROLLER FOR ELEVATOR PRE-TRANSFER / RE-TRANSFER SIGNAL AND ELEVATOR ON NORMAL / EMERGENCY POWER SIGNAL. COORDINATE LOCATIONS AND REQUIREMENTS WITH ELEVATOR CONTRACTOR.
7. UTILITY METER FURNISHED BY UTILITY AND INSTALLED BY CONTRACTOR. INSTALL FEEDERS FROM SWITCHBOARD U0NSHA1 TO METER AND FROM METER TO UTILITY TRANSFORMER SECONDARY COLLECTOR BUS. REFER TO SHEET E-700 FOR MORE INFORMATION.
8. OPENING IN FLOOR FOR CONDUITS BETWEEN GENERATOR ROOM ABOVE AND ELECTRICAL ROOMS ON THIS FLOOR AND LEVEL U3. 4"X4" WIDE CURB TO BE PROVIDED AROUND OPENING IN FLOOR. CONTRACTOR SHALL COORDINATE CONDUIT ROUTING. PROVIDE FIRE PROOFING OF OPENINGS ONCE ALL CONDUITS ARE INSTALLED.
9. INSTALL GROUND BAR ABOVE TRANSFORMER TO CONSERVE WALL SPACE WITHIN ROOM.
10. PANELBOARD PROVIDED BY GENERATOR MANUFACTURER AND FACTORY INSTALLED ON GENERATOR. COORDINATE LOCATION WITH APPROVED SHOP DRAWINGS.
11. CONCRETE ENCASED 208V AND 480V PRIVATE DEVELOPMENT SERVICE DUCTBANKS FROM UTILITY VAULT. REFER TO DETAIL 2 ON SHEET E501 FOR DUCTBANK PROFILE. SEE SHEET E-110.5 FOR CONTINUATION.
12. CONCRETE ENCASED 208V PRIVATE DEVELOPMENT SERVICE DUCTBANK FROM UTILITY VAULT. REFER TO DETAIL 3 ON SHEET E501 FOR DUCTBANK PROFILE. SEE SHEET E-110.5 FOR CONTINUATION.
13. CONCRETE ENCASED 480V PRIVATE DEVELOPMENT SERVICE DUCTBANK FROM UTILITY VAULT. REFER TO DETAIL 4 ON SHEET E501 FOR DUCTBANK PROFILE. SEE SHEET E-110.5 FOR CONTINUATION.
14. CONCRETE ENCASED 480V PARKING STRUCTURE SERVICE DUCTBANK FROM UTILITY VAULT. REFER TO DETAIL 1 ON SHEET E501 FOR DUCTBANK PROFILE. SEE SHEET E-110.5 FOR CONTINUATION.
15. ROUTE CONDUITS TO WITHIN ROOM AND CAP FOR FUTURE USE.
16. PULL BOX FOR PARKING STRUCTURE SERVICE CONDUITS. SIZE PULL BOX AS REQUIRED PER NATIONAL ELECTRICAL CODE TO ROUTE CABLING FROM DUCTBANK TO SWITCHBOARD BELOW. REFER TO DETAIL 8/E-501 FOR MORE INFORMATION.
17. PROVIDE 120V EMERGENCY POWER CONNECTION TO DAY TANK CONTROLS. COORDINATE EXACT REQUIREMENTS AND LOCATION WITH DAY TANK VENDOR PRIOR TO INSTALLATION.
18. PROVIDE 120V EMERGENCY POWER CONNECTION FOR CONTROL PANEL. CONTROL PANEL TO CONTROL SUPPLY FAN SF-05, EXHAUST FAN EF-05 AND WALL FIRE DAMPER. 120V TO PROVIDE POWER TO FIRE DAMPER. CONTACTS ON THE GENERATOR SHALL SIGNAL PANEL TO START SF-05 AND EF-05 AND OPEN FIRE DAMPER WHEN GENERATOR IS CALLED TO START. COORDINATE EXACT REQUIREMENTS AND LOCATION OF PANEL WITH CONTROLS CONTRACTOR.
19. TIME SWITCH FOR ENTRYWAY LIGHTING. REFER TO SHEET E-100.5 FOR MORE INFORMATION.



1 **ELECTRICAL ROOM - LEVEL U3**
SCALE: 1/4" = 1'-0"



2 **ELECTRICAL ROOM - LEVEL U1**
SCALE: 1/4" = 1'-0"



3 **MAIN ELECTRICAL ROOM - LEVEL U0**
SCALE: 1/4" = 1'-0"

FOR REFERENCE ONLY

General Notes

No.	Description	Date
8	BULLETIN #3	03/05/2018
7	BID DOCUMENTS	09/07/2017
6	ADDENDUM 2	07/28/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

NEW MUNICIPAL PARKING FACILITY

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
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ELECTRICAL ENLARGED VIEWS

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AEI	E-400
Job Number	
215-1051	

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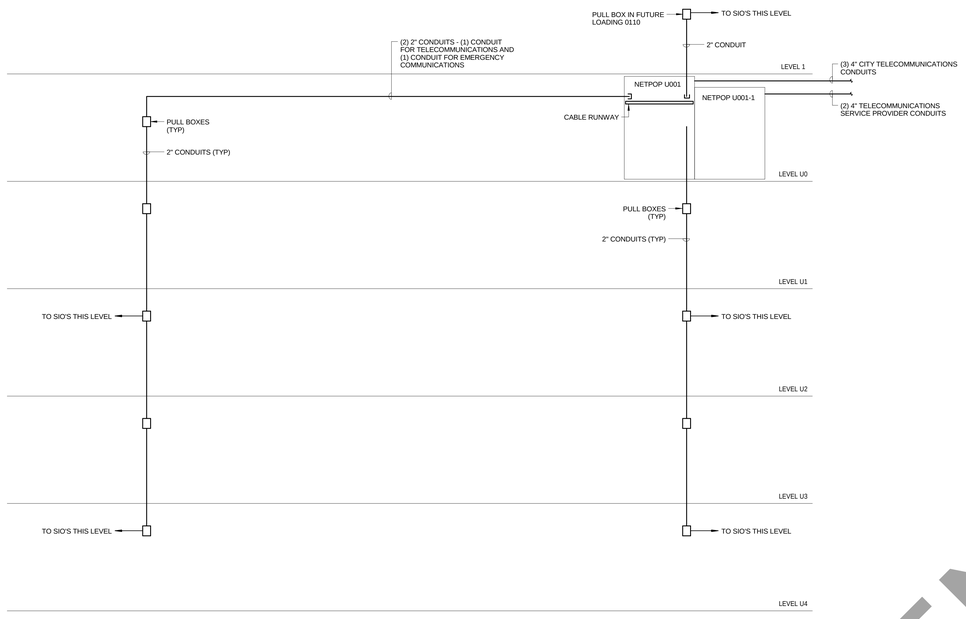
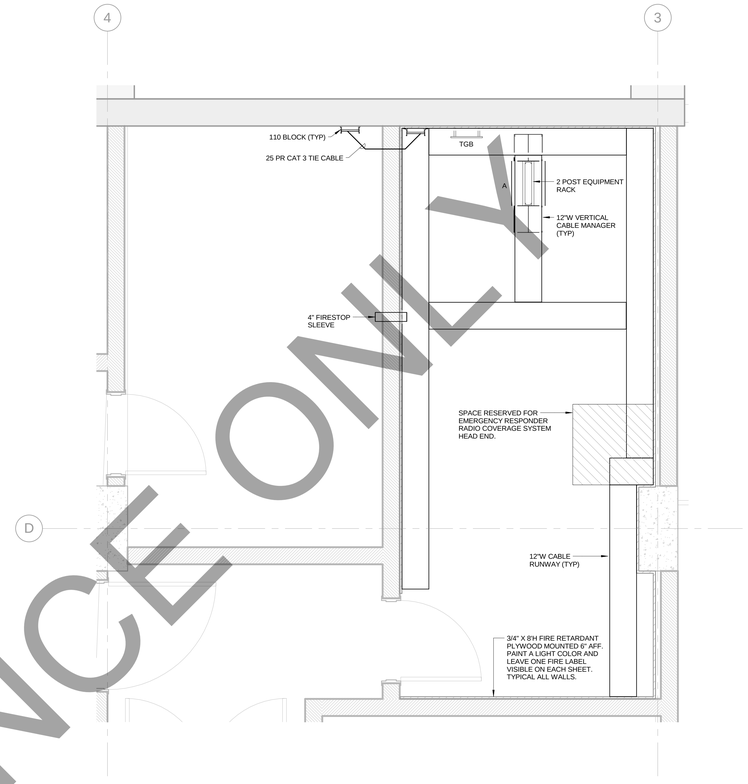


NOTE: CONDUITS FOR EMERGENCY RESPONDER RADIO COVERAGE SYSTEM NOT SHOWN.
CONDUITS FOR THIS SYSTEM ARE IN ADDITION TO WHAT IS SHOWN ON THIS RISER.

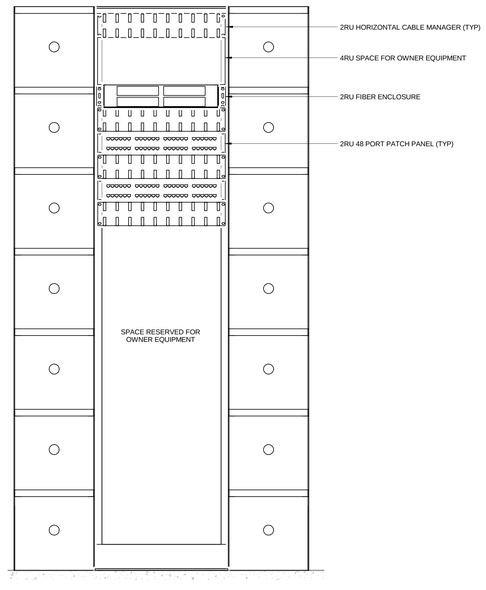
3 TECHNOLOGY PATHWAY RISER DIAGRAM

SCALE: 1/2" = 1'-0"



1 ENLARGED TECHNOLOGY PLAN - LEVEL U0 - NETPOP ROOMS

SCALE: 1/2" = 1'-0"



2 RACK ELEVATION

SCALE: 1 1/2" = 1'-0"

FOR REFERENCE ONLY

General Notes

No.	Description	Date
2	BID DOCUMENTS	09/07/2017
1	ADDENDUM 2	07/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

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CITY OF MADISON, 53703

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MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

TECHNOLOGY ENLARGED VIEWS

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Author	9/5/2017 12:02:02 PM
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Approver	
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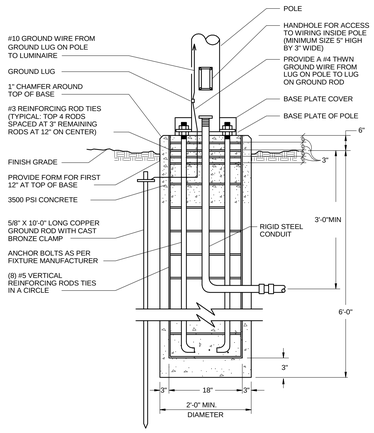
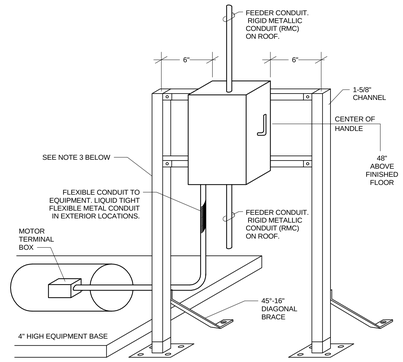


6 POLE BASE DETAIL

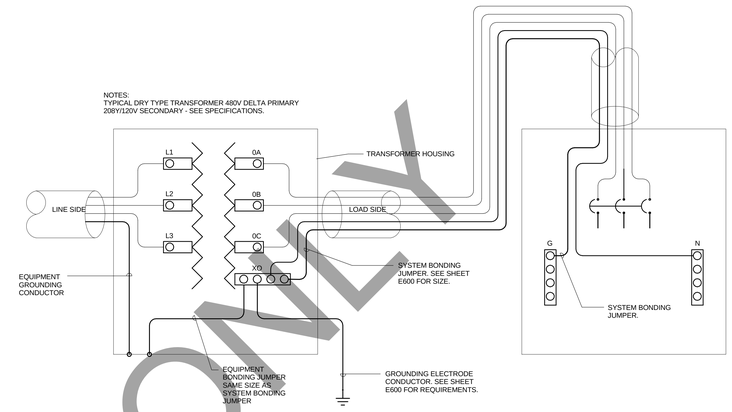
SCALE: NO SCALE



NOTES:
1. ALL CONDUIT EXPOSED ON ROOF TO MOTOR DISCONNECT OR COMBINATION MOTOR STARTER SHALL BE RIGID METALLIC CONDUIT (RMC). ALL CONDUIT EXPOSED ON ROOF FROM MOTOR DISCONNECT OR COMBINATION MOTOR STARTER TO MOTOR SHALL BE LIQUID TIGHT FLEXIBLE METAL CONDUIT (LTMC).
2. ALL MOTOR DISCONNECTS AND COMBINATION MOTOR STARTERS ON ROOF SHALL HAVE NEMA 4X. ENCLOSURE
3. GALVANIZED UNISTRUT SHALL BE USED IN ALL INTERIOR INSTALLATIONS. STAINLESS STEEL UNISTRUT SHALL BE USED IN ALL EXTERIOR LOCATIONS.

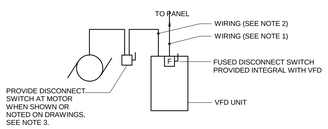
4 FREE STANDING MOTOR DISCONNECT DETAIL

SCALE: NO SCALE



1 TYPICAL TRANSFORMER GROUNDING

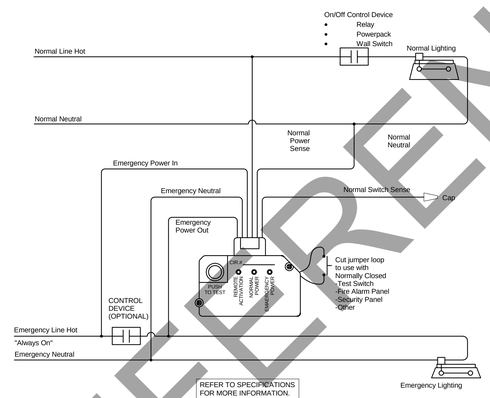
SCALE: NO SCALE



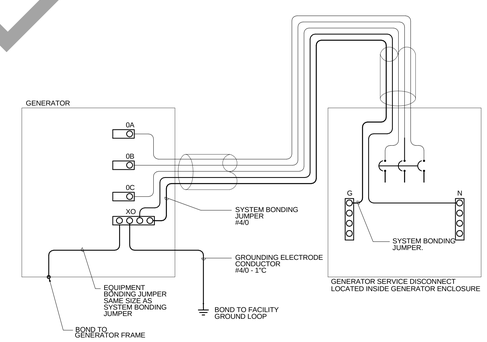
NOTES:
1. REFER TO SCHEDULES FOR CONDUIT AND WIRE SIZE REQUIREMENTS FOR EACH VFD.
2. REFER TO SCHEDULES FOR CONDUIT AND WIRE SIZE REQUIREMENTS FOR EACH MOTOR. PROVIDE 2 #12 INTERLOCK WIRING FROM VFD TO MOTOR DISCONNECT IN SAME CONDUIT. UPSIZE CONDUIT AS REQUIRED FOR ADDITIONAL INTERLOCK WIRING.
3. PROVIDE "EARLY BREAK" AUXILIARY CONTACT ON DISCONNECT SWITCH. INTERLOCK WITH VFD SUCH THAT WHEN DISCONNECT SWITCH IS ABOUT TO BE OPENED THE VFD IS COMMANDED TO STOP.

7 VFD UNIT WIRING SCHEMATIC

SCALE: NO SCALE

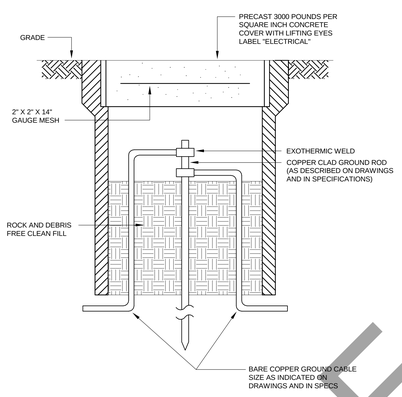


WIRING WITH EMERGENCY LIGHTING CONTROL DEVICE ONLY



2 GENERATOR GROUNDING DETAIL

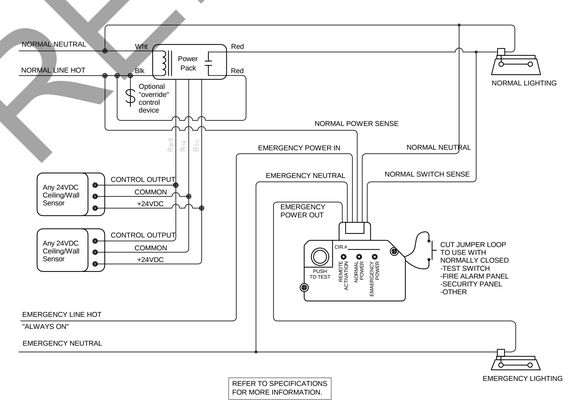
SCALE: NO SCALE



NOTES:
1. REFER TO SPECIFICATION SECTION 260526 FOR MORE INFORMATION.

8 GROUND ROD AND TEST WELL INSTALLATION DETAIL

SCALE: NO SCALE

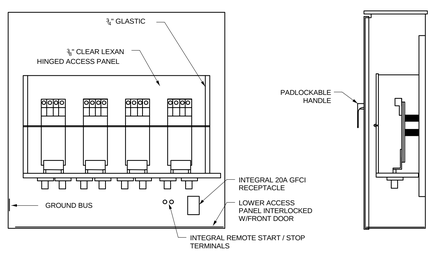


REFER TO SPECIFICATIONS FOR MORE INFORMATION.

WIRING USING LOW VOLTAGE OCCUPANCY SENSORS

5 EMERGENCY LIGHTING TRANSFER DEVICE

SCALE: NO SCALE



POWERTRON OR ENGINEER APPROVED EQUAL

PANEL MOUNTED LINE TERMINALS
- MALE CAM-LOK CONNECTORS
- UL LISTED - 800A 480/277V

NEMA 3R CONSTRUCTION

3 LOAD BANK TAP BOX

SCALE: NO SCALE

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General Notes

No.	Description	Date
6	BID DOCUMENTS	09/07/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

NEW MUNICIPAL PARKING FACILITY

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

ELECTRICAL DETAILS

Drawn	Date
AEI	9/5/2017 12:02:03 PM
Checked By	Drawing Number
AEI	
Approved	
AEI	
Job Number	
215-1051	

E-500

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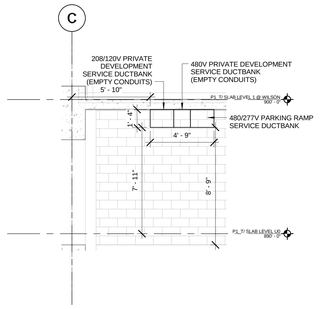
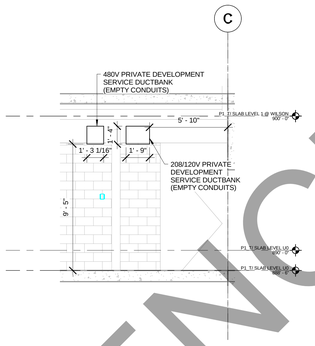
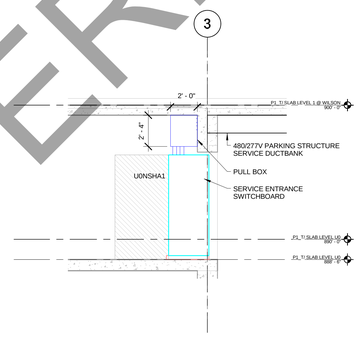


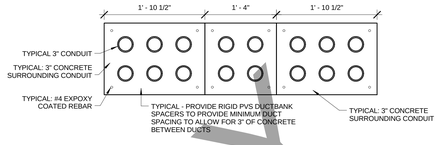
6 **DUCTBANKS AT ELECTRICAL VAULT U009**
SCALE: 1/4" = 1'-0"



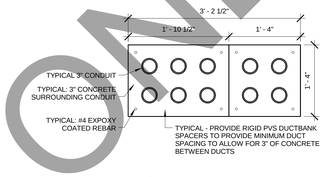
7 **DUCTBANKS AT MAIN ELEC U006-1**
SCALE: 1/4" = 1'-0"



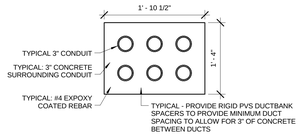
8 **DUCTBANK AT MAIN ELEC U006**
SCALE: 1/4" = 1'-0"



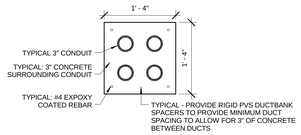
1 **480/277V AND 208/120V PRIVATE DEVELOPMENT AND PARKING STRUCTURE SERVICE DUCTBANKS**
SCALE: NO SCALE



2 **208/120V PRIVATE DEVELOPMENT SERVICE DUCTBANK AND 480/277V PRIVATE DEVELOPMENT SERVICE DUCTBANKS**
SCALE: NO SCALE



3 **208/120V PRIVATE DEVELOPMENT SERVICE DUCTBANK**
SCALE: NO SCALE



4 **480/277V PRIVATE DEVELOPMENT SERVICE DUCTBANK**
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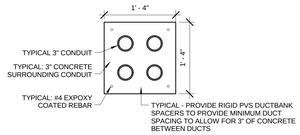

5 **480/277V PARKING STRUCTURE SERVICE DUCTBANK**
SCALE: NO SCALE

FOR REFERENCE ONLY

TRUE NORTH
PROJECT NORTH

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General Notes

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URBAN DESIGN

Drawing Title

ELECTRICAL DETAILS

Drawn	Date
Author	9/5/2017 12:02:09 PM
Checked By	**Drawing Number**
Checker	E-501
Approved	
Approver	
Job Number	
215-1051	

COPPER

LEGEND OF CONDUIT AND WIRE SIZES

Nominal Ampere Rating	Conductors 3W,+G 100%N	Conductors 4W,+G 100%N	Conductors 4W,+G 150%N	Conductors 3W,+G,+IG 100%N
15	3#12,1#12G-3/4"C	4#12,1#12G-3/4"C	3#12,1#12N,1#12G-3/4"C	3#12,1#12IG,1#12G-3/4"C
20	3#12,1#12G-3/4"C	4#12,1#12G-3/4"C	3#12,1#10N,1#12G-3/4"C	3#12,1#12IG,1#12G-3/4"C
25	3#10,1#10G-3/4"C	4#10,1#10G-3/4"C	3#10,1#8N,1#10G-3/4"C	3#10,1#10IG,1#10G-3/4"C
30	3#10,1#10G-3/4"C	4#10,1#10G-3/4"C	3#10,1#6N,1#10G-3/4"C	3#10,1#10IG,1#10G-3/4"C
35	3#8,1#10G-3/4"C	4#8,1#10G-3/4"C	3#8,1#6N,1#10G-1"C	3#8,1#8IG,1#10G-3/4"C
40	3#8,1#10G-3/4"C	4#8,1#10G-3/4"C	3#8,1#6N,1#10G-1"C	3#8,1#8IG,1#10G-3/4"C
45	3#6,1#10G-3/4"C	4#6,1#10G-3/4"C	3#6,1#4N,1#10G-1"C	3#6,1#6IG,1#10G-1"C
50	3#6,1#10G-3/4"C	4#6,1#10G-3/4"C	3#6,1#4N,1#10G-1"C	3#6,1#6IG,1#10G-1"C
60	3#4,1#10G-1"C	4#4,1#10G-1 1/4"C	3#4,1#2N,1#10G-1 1/4"C	3#4,1#4IG,1#10G-1 1/4"C
70	3#4,1#8G-1"C	4#4,1#8G-1 1/4"C	3#4,1#1N,1#8G-1 1/4"C	3#4,1#4IG,1#8G-1 1/4"C
80	3#3,1#8G-1 1/4"C	4#3,1#8G-1 1/4"C	3#3,1#1N,1#8G-1 1/4"C	3#3,1#3IG,1#8G-1 1/4"C
90	3#2,1#8G-1 1/4"C	4#2,1#8G-1 1/4"C	3#2,1#1/0N,1#8G-1 1/4"C	3#2,1#2IG,1#8G-1 1/4"C
100	3#1,1#8G-1 1/4"C	4#1,1#8G-1 1/2"C	3#1,2#1/0N,1#8G-2"C	3#1,1#1IG,1#8G-1 1/2"C
110	3#1,1#6G-1 1/4"C	4#1,1#6G-1 1/2"C	3#1,2#1/0N,1#6G-2"C	3#1,1#1IG,1#6G-1 1/2"C
125	3#1,1#6G-1 1/4"C	4#1/0,1#4G-2"C	3#1/0,2#1/0N,1#4G-2"C	3#1,1#1IG,1#6G-1 1/2"C
150	3#1/0,1#6G-1 1/2"C	4#2/0,1#4G-2"C	3#2/0,2#1/0N,1#4G-2"C	3#1/0,1#1/0IG,1#6G-2"C

2 BRANCH CIRCUIT WIRING SCHEDULE

SCALE: 12" = 1'-0"

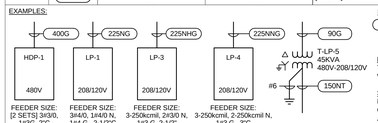
FEEDER SCHEDULE

COPPER

FEEDER TAG	CONDUCTORS (SUFFIX G) 3W, +G	CONDUCTORS (SUFFIX NG) 4W, +G 100% N (NEUTRAL NOT A CURRENT CARRYING CONDUCTOR)
15X	3#12, 1#12 G, 3/4"C	3#12, 1#12 N,1#12 G, 3/4"C
20X	3#12, 1#12 G, 3/4"C	3#12, 1#12 N, 1#12 G, 3/4"C
25X	3#10, 1#10 G, 3/4"C	3#10, 1#10 N, 1#10 G, 3/4"C
30X	3#10, 1#10 G, 3/4"C	3#10, 1#10 N, 1#10 G, 3/4"C
35X	3#8, 1#10 G, 3/4"C	3#8, 1#8 N, 1#10 G, 3/4"C
40X	3#8, 1#10 G, 3/4"C	3#8, 1#8 N, 1#10 G, 3/4"C
45X	3#6, 1#10 G, 3/4"C	3#6, 1#6 N, 1#10 G, 1"C
50X	3#6, 1#10 G, 3/4"C	3#6, 1#6 N, 1#10 G, 1"C
60X	3#4, 1#10 G, 1"C	3#4, 1#4 N, 1#10 G, 1-1/4"C
70X	3#4, 1#8 G, 1"C	3#4, 1#4 N, 1#8 G, 1-1/4"C
80X	3#3, 1#8 G, 1-1/4"C	3#3, 1#3 N, 1#8 G, 1-1/4"C
90X	3#2, 1#8 G, 1-1/4"C	3#2, 1#2 N, 1#8 G, 1-1/4"C
100X	3#1, 1#8 G, 1-1/4"C	3#1, 1#1 N, 1#8 G, 1-1/2"C
110X	3#1, 1#6 G, 1-1/4"C	3#1, 1#1 N, 1#6 G, 1-1/2"C
125X	3#1, 1#6 G, 1-1/4"C	3#1, 1#1 N, 1#6 G, 1-1/2"C
150X	3#1/0, 1#6 G, 1-1/2"C	3#1/0, 1#1/0 N, 1#6 G, 2"C
175X	3#2/0, 1#6 G, 1-1/2"C	3#2/0, 1#2/0 N, 1#6 G, 2"C
200X	3#3/0, 1#6 G, 2"C	3#3/0, 1#3/0 N, 1#6 G, 2"C
225X	3#4/0, 1#4 G, 2"C	3#4/0, 1#4/0 N, 1#4 G, 2-1/2"C
250X	3-250kcmil, 1#4 G, 2"C	3-250kcmil, 1-250kcmil N, 1#4 G, 2-1/2"C
300X	3-350kcmil, 1#4 G, 2-1/2"C	3-350kcmil, 1-350kcmil N, 1#4 G, 3"C
350X	3-500kcmil, 1#3 G, 3"C	3-500kcmil, 1-500kcmil N, 1#3 G, 3-1/2"C
400X	[2 SETS] 3#3/0, 1#3 G, 2"C	[2 SETS] 3#3/0, 1#3/0 N, 1#3 G, 2"C
450X	[2 SETS] 3#4/0, 1#2 G, 2"C	[2 SETS] 3#4/0, 1#4/0 N, 1#2 G, 2-1/2"C
500X	[2 SETS] 3-250kcmil, 1#2 G, 2"C	[2 SETS] 3-250kcmil, 1-250kcmil N, 1#2 G, 2-1/2"C
600X	[2 SETS] 3-350kcmil, 1#1 G, 2-1/2"C	[2 SETS] 3-350kcmil, 1-350kcmil N, 1#1 G, 3"C
700X	[2 SETS] 3-500kcmil, 1#1/0 G, 3"C	[2 SETS] 3-500kcmil, 1-500kcmil N, 1#1/0 G, 3-1/2"C
750X	[2 SETS] 3-500kcmil, 1#1/0 G, 3"C	[2 SETS] 3-500kcmil, 1-500kcmil N, 1#1/0 G, 3-1/2"C
800X	[3 SETS] 3-300kcmil, 1#1/0 G, 2-1/2"C	[3 SETS] 3-300kcmil, 1-300kcmil N, 1#1/0 G, 3"C
900X	[3 SETS] 3-350kcmil, 1#2/0 G, 2-1/2"C	[3 SETS] 3-350kcmil, 1-350kcmil N, 1#2/0 G, 3"C
1000X	[3 SETS] 3-400kcmil, 1#2/0 G, 3"C	[3 SETS] 3-400kcmil, 1-400kcmil N, 1#2/0 G, 3"C
1200X	[4 SETS] 3-350kcmil, 1#3/0 G, 2-1/2"C	[4 SETS] 3-350kcmil, 1-350kcmil N, 1#3/0 G, 3"C
1600X	[5 SETS] 3-400kcmil, 1#4/0 G, 3"C	[5 SETS] 3-400kcmil, 1-400kcmil N, 1#4/0 G, 3"C
2000X	[6 SETS] 3-400kcmil, 1-250kcmil G, 3"C	[6 SETS] 3-400kcmil, 1-400kcmil N, 1-250kcmil G, 3"C
2500X	[7 SETS] 3-500kcmil, 1-350kcmil G, 3"C	[7 SETS] 3-500kcmil, 1-500kcmil N, 1-350kcmil G, 3-1/2"C
3000X	[8 SETS] 3-500kcmil, 1-400kcmil G, 3"C	[8 SETS] 3-500kcmil, 1-500kcmil N, 1-400kcmil G, 3-1/2"C
4000X	[11 SETS] 3-500kcmil, 1-500kcmil G, 3"C	[11 SETS] 3-500kcmil, 1-500kcmil N, 1-500kcmil G, 3-1/2"C
5000X	[14 SETS] 3-500kcmil, 2-350kcmil G, 3-1/2"C	[14 SETS] 3-500kcmil, 1-500kcmil N, 2-350kcmil G, 3-1/2"C

XFMR RATING kVA	REFERENCE TAG	TRANSFORMER GROUNDING ELECTRODE CONDUCTOR (SUFFIX NT)	TRANSFORMER GROUNDING ELECTRODE CONDUCTOR (SUFFIX NHT, NNT, & NCT)	CONDUCTORS (SUFFIX NT) 4W + J 100% N (NEUTRAL NOT A CURRENT CARRYING CONDUCTOR)
9	35XT	#8	#8	3#8, 1#8 N, 1#8 J, 1"C
15	50XT	#8	#8	3#6, 1#6 N, 1#8 J, 1"C
30	100XT	#6	#6	3#1, 1#1 N, 1#6 J, 1-1/2"C
45	150XT	#6	#4	3#1/0, 1#1/0 N, 1#6 J, 2"C
75	250XT	#2	#2	3-250kcmil, 1-250kcmil N, 1#2 J, 2-1/2"C
112.5	400XT	#2	#1/0	[2 SETS] 3#3/0, 1#3/0 N, 1#1/0 J, 2"C
150	500XT	#1/0	#1/0	[2 SETS] 3-250kcmil, 1-250kcmil N, 1#1/0 J, 2-1/2"C
225	800XT	#2/0	#2/0	[3 SETS] 3-300kcmil, 1-300kcmil N, 1#1/0 J, 3"C
300	1000XT	#3/0	#3/0	[3 SETS] 3-400kcmil, 1-400kcmil N, 1#1/0 J, 3"C
500	1600XT	#3/0	#3/0	[5 SETS] 3-400kcmil, 1-400kcmil N, 1#1/0 J, 3"C

EXAMPLES:



FEEDER SIZE: [2 SETS] 3#3/0, 1#3/0, 2"C

FEEDER SIZE: 3#4/0, 1#4/0 N, 1#4 G, 2-1/2"C

FEEDER SIZE: 3-250kcmil, 2#3/0 N, 1#3 G, 2-1/2"

FEEDER SIZE: 3-250kcmil, 2-250kcmil N, 1#3 G, 3"C

FEEDER DESIGNATOR

400G
V
└ FEEDER MODIFIER (IF NEEDED)

FEEDER MODIFIERS :
T = UPSIZED FOR AMBIENT TEMPERATURE
V = UPSIZED FOR VOLTAGE DROP

SCHEDULE LEGEND:
N = NEUTRAL
G = EQUIPMENT GROUNDING CONDUCTOR
J = SUPPLY SIDE BONDING JUMPER
C = CONDUIT

TRANSFORMER GROUNDING/BONDING SCHEDULE

TRANSFORMER SIZE	SYSTEM BONDING JUMPER	EQUIPMENT BONDING JUMPER	GROUNDING ELECTRODE CONDUCTOR
kVA	AWG	AWG	AWG
9	8	8	8
15	8	8	8
30	6	6	6
45	4	4	4
75	2	2	2
112.5	1/0	1/0	1/0
150	2/0	2/0	2/0
225	2/0	2/0	2/0
300	4/0	4/0	4/0
500	400	400	400

NOTES:
(1) REFER TO DETAIL E#### FOR GROUNDING CONNECTION REQUIREMENTS.

1 COPPER FEEDER SCHEDULE

SCALE: 12" = 1'-0"

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1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

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ARCHITECTURE LLC

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MADISON | CHICAGO | ST. LOUIS

PARKING CONSULTANT:
WALKER
PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS
A WSP | PARSONS BRINCKERHOFF COMPANY

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LANDSCAPE ARCHITECT:
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PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

ELECTRICAL WIRING SCHEDULES

Drawn	Date
AEI	9/5/2017 12:02:10 PM
Checked By	Drawing Number
AEI	
Approved	
AEI	E-600
Job Number	
215-1051	

LUMINAIRE SCHEDULE

TYPE	MANUFACTURER	CATALOG NUMBER	SOURCE TYPE & QTY.	DRIVER - QTY. & TYPE	WATTS	VOLT.	MOUNTING	NOTES	LOCATION
F1	MCGRAW-EDISON	TT-C2-LED-E1-MQ-##	4760 LUMEN 4000K LED	0-10V 10% DIMMING DRIVER	34W	120/277	CEILING	ARCHITECT/OWNER TO SELECT FINISH	PARKING
	PHILLIPS GARDCO	SVPG-1800-NW-SM-5-UNV-F1-##	5581 LUMEN 4000K LED	0-10V 10% DIMMING DRIVER	55W	120/277	CEILING	ARCHITECT/OWNER TO SELECT FINISH	PARKING
F1A	MCGRAW-EDISON	TT-C2-LED-E1-MQ-GM-MS/DPM596-GM	4760 LUMEN 4000K LED	0-10V 10% DIMMING DRIVER	34W	120/277	PENDANT	PROVIDE WITH 8' SWIVEL PENDANT, ARCHITECT/OWNER TO SELECT FINISH	PARKING
	PHILLIPS GARDCO	SVPG-1800-NW-PM-5-UNV-F1-##	5581 LUMEN 4000K LED	0-10V 10% DIMMING DRIVER	55W	120/277	CEILING	PROVIDE WITH 8' SWIVEL PENDANT, ARCHITECT/OWNER TO SELECT FINISH	PARKING
F1B	MCGRAW-EDISON	TT-C2-LED-E1-MQ-GM-MS/DPM548-GM	4760 LUMEN 4000K LED	0-10V 10% DIMMING DRIVER	34W	120/277	PENDANT	PROVIDE WITH 4' SWIVEL PENDANT, ARCHITECT/OWNER TO SELECT FINISH	PARKING
	PHILLIPS GARDCO	SVPG-1800-NW-PM-5-UNV-F1-##	5581 LUMEN 4000K LED	0-10V 10% DIMMING DRIVER	55W	120/277	CEILING	PROVIDE WITH 4' SWIVEL PENDANT, ARCHITECT/OWNER TO SELECT FINISH	PARKING
F1C	MCGRAW-EDISON	TT-C4-LED-E1-MQ-GM-MS/DPM548-GM	7413 LUMEN 4000K LED	0-10V 10% DIMMING DRIVER	58W	120/277	PENDANT	PROVIDE WITH 4' SWIVEL PENDANT, ARCHITECT/OWNER TO SELECT FINISH	PARKING
	PHILLIPS GARDCO	SVPG-1800-NW-PM-5-UNV-F1-##	7911 LUMEN 4000K LED	0-10V 10% DIMMING DRIVER	85W	120/277	CEILING	PROVIDE WITH 4' SWIVEL PENDANT, ARCHITECT/OWNER TO SELECT FINISH	PARKING
F1D	MCGRAW-EDISON	TT-C4-LED-E1-MQ-##	7413 LUMEN 4000K LED	0-10V 10% DIMMING DRIVER	58W	120/277	CEILING	ARCHITECT/OWNER TO SELECT FINISH	PARKING
	PHILLIPS GARDCO	SVPG-1800-NW-PM-5-UNV-F1-##	7911 LUMEN 4000K LED	0-10V 10% DIMMING DRIVER	85W	120/277	CEILING	ARCHITECT/OWNER TO SELECT FINISH	PARKING
F2	LITHONIA	ZL1N-L48-7000LM-FST-MVOLT-40K-80CRI-HC36	7000 LUMEN 4000K LED	0-10V 10% DIMMING DRIVER	67W	120/277	CHAIN HANGER	48" LED STRIPLIGHT WITH FROSETED ACRYLIC DIFFUSE LENS, CHAIN HANGER	TEMPERED
	PHILLIPS	FSS-4-70L-840-UNV-FKR-126	7000 LUMEN 4000K LED	0-10V DIMMING DRIVER	58W	120/277	CHAIN HANGER	48" LED STRIPLIGHT WITH FROSETED ACRYLIC DIFFUSE LENS, CHAIN HANGER	TEMPERED
F2A	LITHONIA	ZL1N-L48-7000LM-FST-MVOLT-40K-80CRI-HC36-E7W	7000 LUMEN 4000K LED	0-10V 10% DIMMING DRIVER	67W	277	CHAIN HANGER	48" LED STRIPLIGHT WITH FROSETED ACRYLIC DIFFUSE LENS, CHAIN HANGER, INTEGRAL BATTERY PACK	TEMPERED
	PHILLIPS	FSS-4-70L-840-UNV-FKR-126-EMLED	7000 LUMEN 4000K LED	0-10V DIMMING DRIVER	58W	277	CHAIN HANGER	48" LED STRIPLIGHT WITH FROSETED ACRYLIC DIFFUSE LENS, CHAIN HANGER, INTEGRAL BATTERY PACK	TEMPERED
F3	DAY-BRITE	LPL-R-4L53-40K-UNV-F1	3500 LUMEN 4000K LED	0-10V 10% DIMMING DRIVER	53W	120/277	CEILING	48" LED LINEAR WITH POLYCARBONATE LENS	UNTEMPERED
	FAIL-SAFE	HVL8-4-LD4-2-STD-40-UNV-O-EDD1-S	3595 LUMEN 4000K LED	0-10V DIMMING DRIVER	35W	120/277	CEILING	48" LED LINEAR WITH POLYCARBONATE LENS	UNTEMPERED
F3A	DAY-BRITE	LPL-R-4L53-40K-UNV-F1	3500 LUMEN 4000K LED	0-10V 10% DIMMING DRIVER	53W	120/277	WALL	48" LED LINEAR WITH POLYCARBONATE LENS	UNTEMPERED
	FAIL-SAFE	HVL8-4-LD4-2STD-40-UNV-O-EDD1-S	3595 LUMEN 4000K LED	0-10V DIMMING DRIVER	35W	120/277	WALL	48" LED LINEAR WITH POLYCARBONATE LENS	UNTEMPERED
F4	LITHONIA	2TL4-60L-FW-A12-MVOLT-LP840	6000 LUMEN 4000K LED	0-10V 10% DIMMING DRIVER	47W	120/277	CEILING	2X4 TROFFER LED WITH ACRYLIC LENS	OFFICES
	PHILLIPS	2-T-G-54L-840-4-FA-02F-UNV-DIM	5400 LUMEN 4000K LED	0-10V 10% DIMMING DRIVER	49W	120/277	CEILING	2X4 TROFFER LED WITH ACRYLIC LENS	OFFICES
F4A	LITHONIA	2TL4-60L-FW-A12-MVOLT-LP840-DGA24	6000 LUMEN 4000K LED	0-10V 10% DIMMING DRIVER	47W	120/277	CEILING	2X4 TROFFER LED WITH ACRYLIC LENS. PROVIDE WITH MOUNTING FRAME FOR MOUNTING IN DRY WALL CEILING	OFFICES
	PHILLIPS	2-T-G-54L-840-4-FA-02F-UNV-DIM-FM-24	5400 LUMEN 4000K LED	0-10V 10% DIMMING DRIVER	49W	120/277	CEILING	2X4 TROFFER LED WITH ACRYLIC LENS. PROVIDE WITH MOUNTING FRAME FOR MOUNTING IN DRY WALL CEILING	OFFICES
F5	AEL	AEL24-10W-3500K-120-277-DP-BKH-PC OR ENGINEER AND OWNER APPROVED EQUAL	874 LUMEN 3500K LED	N/A	9.4W	120/277	WALL	24" LED WALL MOUNT WITH POLYCARBONATE LENS, PHOTOELECTRIC SWITCH	EXTERIOR DOORS
F6	LITHONIA	2VTL2-40L-ADP-EZ1-LP840 OR ENGINEER AND OWNER APPROVED EQUAL	4000 LUMEN 4000K LED	0-10V 10% DIMMING DRIVER	35W	120/277	CEILING	2X2 RECESSED VANDAL RESISTANT TROFFER LED	ELEV. LOBBY
F7	LITHONIA	VTL4-40L-ADP-EZ1-LP840 OR ENGINEER AND OWNER APPROVED EQUAL	4000 LUMEN 4000K LED	0-10V 10% DIMMING DRIVER	40W	120/277	CEILING	1X4 RECESSED VANDAL RESISTANT TROFFER LED	ELEV. LOBBY
F8	FEDERAL SIGNALS CORPORATION	SLM500A-SLMBW-120-240GY	LED	N/A		120	WALL	WALL MOUNT AUDIBLE VISUAL SIGNAL FIXTURE. FIXTURE SHALL BE CONTROLLED VIA HUB PARKING/GATE CONTROL SYSTEM. COORDINATE CONTROL WITH HUB PARKING TECHNOLOGY SUPPLIER FOR CONTROL.	PARKING ENTRANCES
X1	LITHONIA	LV-S-W-1-R-120/277-UM	LED	NA		120/277	WALL/CEILING	SINGLE FACE WHITE THERMOPLASTIC EXIT SIGN	
	EVENLITE	TWL-AV-R-1U-W	LED	NA		120/277	WALL/CEILING	WHITE THERMOPLASTIC EXIT SIGN WITH SINGLE FACE	
X2	LITHONIA	LV-S-W-1-R-120/277-UM	LED	NA		120/277	WALL/CEILING	WHITE THERMOPLASTIC EXIT SIGN FIELD WITH DOUBLE FACE	
	EVENLITE	TWL-AV-R-2U-W	LED	NA		120/277	WALL/CEILING	WHITE THERMOPLASTIC EXIT SIGN FIELD WITH DOUBLE FACE	

FOR REFERENCE ONLY

General Notes

No.	Description	Date
8	BULLETIN #7	10/15/2018
7	BULLETIN #2	12/07/2017
6	BID DOCUMENTS	09/07/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

NEW MUNICIPAL PARKING FACILITY

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

LUMINAIRE SCHEDULE

Drawn	Date
AEI	10/15/2018 10:24:18 AM
Checked By	**Drawing Number**
AEI	E-601
Approved	
AEI	
Job Number	
215-1051	

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GENERAL NOTES

1. REFER TO DETAIL 4 AND 7 ON SHEET E-500 FOR FREE STANDING MOTOR DISCONNECT DETAIL AND VFD UNIT WIRING SCHEMATIC.

E - EQUIPMENT SCHEDULE

EQ. TAG	EQ. ID	DESCRIPTION	LEVEL	EM POWER	QUANTITY OF MOTORS	MOTOR/EQUIPMENT DATA: VOLTAGE	MOTOR/EQUIPMENT DATA: PHASE	HORSEPOWER	MOTOR/EQUIPMENT DATA: APPARENT LOAD (kVA)	MOTOR/EQUIPMENT DATA: FLA (A)	MOTOR/EQUIPMENT DATA: MCA (A)	CIRCUIT INFORMATION: PANEL	CIRCUIT INFORMATION: CIRCUIT #	CIRCUIT INFORMATION: CB SIZE	CONDUIT AND WIRE REQUIREMENTS: PARALLEL SET	CONDUIT AND WIRE REQUIREMENTS: # OF CONDUCTORS	CONDUIT AND WIRE REQUIREMENTS: CONDUCTOR SIZE	CONDUIT AND WIRE REQUIREMENTS: GROUND CONDUCTOR SIZE	CONDUIT AND WIRE REQUIREMENTS: CONDUIT SIZE	PROVISION OF CONTROLS/ CONTROLLER BY DIV 26	PROVISION OF CONTROLS/ CONTROLLERS UNDER DIVISION OTHER THAN 26	PROVISION OF DISCONNECTING MEANS BY DIV 26	PROVISIONS OF DISCONNECTING MEANS OTHER THAN DIV 26	Comments
ACC	1	SERVES FCU-01	P1_T/ SLAB LEVEL 1 @ WILSON		1	208 V	1	0	5.82 kVA	28 A	35 A	U0NPLA1	13,15	50 A	1 SET	2	#8	#10 G	3/4" C	N/A	N/A	TOGGLE SWITCH	N/A	MOTOR RATED TOGGLE SWITCH BY EC
ACC	2	SERVES FCU-02	P1_T/ SLAB LEVEL 1 @ WILSON	X	1	208 V	1	0	3.00 kVA	14 A	18 A	L1SPLB1	18,20	25 A	1 SET	2	#10	#10 G	3/4" C	N/A	N/A	TOGGLE SWITCH	N/A	MOTOR RATED TOGGLE SWITCH BY EC
ACC	3	SERVES FCU-03	P1_T/ SLAB LEVEL U0		1	208 V	1	0	3.00 kVA	14 A	18 A	U0NPLA1	6,8	25 A	1 SET	2	#10	#10 G	3/4" C	N/A	N/A	TOGGLE SWITCH	N/A	MOTOR RATED TOGGLE SWITCH BY EC
ACC	4	SERVES FCU-04	P1_T/ SLAB LEVEL U0	X	1	208 V	1	0	2.50 kVA	12 A	15 A	L1SPLB1	22,24	25 A	1 SET	2	#10	#10 G	3/4" C	N/A	N/A	TOGGLE SWITCH	N/A	MOTOR RATED TOGGLE SWITCH BY EC
ACC	5	SERVES FCU-05	P1_T/ SLAB LEVEL U2		1	208 V	1	0	5.82 kVA	28 A	35 A	U1NPLD1	9,11	50 A	1 SET	2	#8	#10 G	3/4" C	N/A	N/A	TOGGLE SWITCH	N/A	MOTOR RATED TOGGLE SWITCH BY EC
ACC	6	SERVES FCU-06	P1_T/ SLAB LEVEL U3		1	208 V	1	0	5.82 kVA	28 A	35 A	U1NPLD1	4,6	50 A	1 SET	2	#8	#10 G	3/4" C	N/A	N/A	TOGGLE SWITCH	N/A	MOTOR RATED TOGGLE SWITCH BY EC
ACC	7	SERVES FCU-07	P1_T/ SLAB LEVEL U3	X	1	208 V	1	0	2.50 kVA	12 A	15 A	U1SPLD1	27,29	25 A	1 SET	2	#10	#10 G	3/4" C	N/A	N/A	TOGGLE SWITCH	N/A	MOTOR RATED TOGGLE SWITCH BY EC
ACC	8	SERVES FCU-08	P1_T/ SLAB LEVEL U4	X	1	208 V	1	0	2.50 kVA	12 A	15 A	L1LPLB1	7,9	25 A	1 SET	2	#10	#10 G	3/4" C	N/A	N/A	TOGGLE SWITCH	N/A	MOTOR RATED TOGGLE SWITCH BY EC
ACC	9	SERVES FCU-09	P1_T/ SLAB LEVEL U4	X	1	208 V	1	0	2.50 kVA	12 A	15 A	L1LPLB1	4,6	25 A	1 SET	2	#10	#10 G	3/4" C	N/A	N/A	TOGGLE SWITCH	N/A	MOTOR RATED TOGGLE SWITCH BY EC
ACC	10	SERVES FCU-10	P1_T/ SLAB LEVEL U1	X	1	208 V	1	0	3.00 kVA	14 A	18 A	U1SPLD1	26,28	25 A	1 SET	2	#10	#10 G	3/4" C	N/A	N/A	TOGGLE SWITCH	N/A	MOTOR RATED TOGGLE SWITCH BY EC
ACC	11	SERVES FCU-11	P1_T/ SLAB LEVEL U0	X	1	208 V	1	0	3.74 kVA	18 A	22 A	L1SPLB1	53,55	35 A	1 SET	2	#10	#10 G	3/4" C	N/A	N/A	TOGGLE SWITCH	N/A	MOTOR RATED TOGGLE SWITCH BY EC
DWH	1	WATER HEATER	P1_T/ SLAB LEVEL 1 @ WILSON		1	120 V	1	0	1.65 kVA	14 A	17 A	U0NPLA1	12	25 A	1 SET	2	#10	#10 G	3/4" C	N/A	N/A	N/A	N/A	
DWH	2	WATER HEATER	P1_T/ SLAB LEVEL U2		1	120 V	1	0	1.65 kVA	14 A	17 A	U1NPLD1	8	25 A	1 SET	2	#10	#10 G	3/4" C	N/A	N/A	N/A	N/A	
DWH	3	WATER HEATER	P1_T/ SLAB LEVEL U2		1	120 V	1	0	1.65 kVA	14 A	17 A	U1NPLD1	10	25 A	1 SET	2	#10	#10 G	3/4" C	N/A	N/A	N/A	N/A	
EF	1	U0 WILSON	P1_T/ SLAB LEVEL U0	X	1	480 V	3	30	33.26 kVA	40 A	50 A	L1SDHB1	13	90 A	1 SET	3	#6	#8 G	3/4" C	N/A	VFD BY DIV 23	N/A	INTEGRAL TO VFD
EF	2	U0 WILSON	P1_T/ SLAB LEVEL U0	X	1	480 V	3	30	33.26 kVA	40 A	50 A	L1SDHB1	14	90 A	1 SET	3	#6	#8 G	3/4" C	N/A	VFD BY DIV 23	N/A	INTEGRAL TO VFD
EF	3	U0 WILSON	P1_T/ SLAB LEVEL U0	X	1	480 V	3	30	33.26 kVA	40 A	50 A	L1SDHB1	15	90 A	1 SET	3	#6	#8 G	3/4" C	N/A	VFD BY DIV 23	N/A	INTEGRAL TO VFD
EF	4	U0 WILSON	P1_T/ SLAB LEVEL U0	X	1	480 V	3	30	33.26 kVA	40 A	50 A	L1SDHB1	16	90 A	1 SET	3	#6	#8 G	3/4" C	N/A	VFD BY DIV 23	N/A	INTEGRAL TO VFD
EF	5	GENERATOR EXHAUST FAN	P1_T/ SLAB LEVEL 1 @ WILSON	X	1	480 V	3	40	43.23 kVA	52 A	65 A	L1EDHB1	5	100 A	1 SET	3	#4	#8 G	1" C	N/A	VFD BY DIV 23	N/A	INTEGRAL TO VFD
EF	6	L1 WC (ADJACENT TO OFFICE)	P1_T/ SLAB LEVEL 1 @ WILSON	X	1	120 V	1	0.5	1.18 kVA	10 A	12 A	L1SPLB1	26	20 A	1 SET	2	#12	#12 G	3/4" C	N/A	BY MFG	N/A	BY MFG
EF	7	U2 WC (ADJACENT TO SWEEPER)	P1_T/ SLAB LEVEL U2	X	1	120 V	1	0.25	0.53 kVA	4 A	6 A	U1SPLD1	36	15 A	1 SET	2	#12	#12 G	3/4" C	N/A	N/A	TOGGLE SWITCH	N/A	MOTOR RATED TOGGLE SWITCH BY EC
EF	8	L U2 WORKSHOP	P1_T/ SLAB LEVEL U2	X	1	120 V	1	0.5	1.18 kVA	10 A	12 A	U1SPLD1	34	20 A	1 SET	2	#12	#12 G	3/4" C	N/A	BY MFG	SEE DRAWINGS	N/A	REFER TO DRAWINGS FOR ELEVATOR CONTROL SWITCH AND LOCAL FUSED DISCONNECT REQUIREMENTS
ELEV.	PK1	PK1	P1_T/ SLAB LEVEL 2 @ DOTY	X	1	480 V	3	30	33.26 kVA	40 A	56 A	L1LDHB1	3	80 A	1 SET	3	#4	#8 G	1" C	N/A	BY MFG	SEE DRAWINGS	N/A	REFER TO DRAWINGS FOR ELEVATOR CONTROL SWITCH AND LOCAL FUSED DISCONNECT REQUIREMENTS
ELEV.	PK2	PK2	P1_T/ SLAB LEVEL 2 @ DOTY	X	1	480 V	3	30	33.26 kVA	40 A	56 A	L1LDHB1	4	80 A	1 SET	3	#4	#8 G	1" C	N/A	BY MFG	SEE DRAWINGS	N/A	REFER TO DRAWINGS FOR ELEVATOR CONTROL SWITCH AND LOCAL FUSED DISCONNECT REQUIREMENTS
ELEV.	PK3	PK3	P1_T/ SLAB LEVEL 2 @ DOTY	X	1	480 V	3	30	33.26 kVA	40 A	56 A	L1LDHB1	5	80 A	1 SET	3	#4	#8 G	1" C	N/A	BY MFG	SEE DRAWINGS	N/A	REFER TO DRAWINGS FOR ELEVATOR CONTROL SWITCH AND LOCAL FUSED DISCONNECT REQUIREMENTS
ELEV.	PK4	PK4	P2_T/ SLAB LEVEL 4	X	1	480 V	3	30	33.26 kVA	40 A	56 A	L1LDHB1	6	80 A	1 SET	3	#4	#8 G	1" C	N/A	BY MFG	N/A	BY MFG	
EP	1a,b	SANITARY EJECTOR PUMP	P1_T/ SLAB LEVEL U4	X	2	480 V	3	5	6.32 kVA	15 A	19 A	U3LPHC1	2,4,6	30 A	1 SET	3	#10	#10 G	3/4" C	N/A	BY MFG	5 HP, NA	BY MFG	PARKING (2) PUMPS, ONE CONTROLLER
FCU	1	L1 GARAGE OFFICE	P1_T/ SLAB LEVEL 1 @ WILSON		1	208 V	1	20	0.00 kVA	0 A	0 A			15 A	1 SET	2	#12	#12 G	3/4" C	N/A	N/A	TOGGLE SWITCH	N/A	FED THROUGH ACC-1
FCU	2	L U1 EMERGENCY ELECTRICAL	P1_T/ SLAB LEVEL 1 @ WILSON	X	1	208 V	1	20	0.00 kVA	0 A	0 A			15 A	1 SET	2	#12	#12 G	3/4" C	N/A	N/A	TOGGLE SWITCH	N/A	FED THROUGH ACC-2
FCU	3	L U0 SWITCH GEAR	P1_T/ SLAB LEVEL U0		1	208 V	1	20	0.00 kVA	0 A	0 A			15 A	1 SET	2	#12	#12 G	3/4" C	N/A	N/A	TOGGLE SWITCH	N/A	FED THROUGH ACC-3
FCU	4	L U0 NETPOP	P1_T/ SLAB LEVEL U0	X	1	208 V	1	20	0.00 kVA	0 A	0 A			15 A	1 SET	2	#12	#12 G	3/4" C	N/A	N/A	TOGGLE SWITCH	N/A	FED THROUGH ACC-4
FCU	5	L U2 WORKSHOP	P1_T/ SLAB LEVEL U2		1	208 V	1	20	0.00 kVA	0 A	0 A			15 A	1 SET	2	#12	#12 G	3/4" C	N/A	N/A	TOGGLE SWITCH	N/A	FED THROUGH ACC-5
FCU	6	L U2 SWEEPER	P1_T/ SLAB LEVEL U3		1	208 V	1	20	0.00 kVA	0 A	0 A			15 A	1 SET	2	#12	#12 G	3/4" C	N/A	N/A	TOGGLE SWITCH	N/A	FED THROUGH ACC-6
FCU	7	L U3 ELEC	P1_T/ SLAB LEVEL U3		1	208 V	1	20	0.00 kVA	0 A	0 A			15 A	1 SET	2	#12	#12 G	3/4" C	N/A	N/A	TOGGLE SWITCH	N/A	FED THROUGH ACC-7
FCU	8	U4 MACHINE ROOM	P1_T/ SLAB LEVEL U4	X	1	208 V	1	20	0.00 kVA	0 A	0 A			15 A	1 SET	2	#12	#12 G	3/4" C	N/A	N/A	TOGGLE SWITCH	N/A	FED THROUGH ACC-8
FCU	9	U4 MACHINE ROOM	P1_T/ SLAB LEVEL U4	X	1	208 V	1	20	0.00 kVA	0 A	0 A			15 A	1 SET	2	#12	#12 G	3/4" C	N/A	N/A	TOGGLE SWITCH	N/A	FED THROUGH ACC-9
FCU	10	L U1 ELEC	P1_T/ SLAB LEVEL U1	X	1	208 V	1	20	0.00 kVA	0 A	0 A			15 A	1 SET	2	#12	#12 G	3/4" C	N/A	N/A	TOGGLE SWITCH	N/A	FED THROUGH ACC-10
FCU	11	L1 GARAGE BREAKROOM	P1_T/ SLAB LEVEL 1 @ WILSON		1	208 V	1	20	0.00 kVA	0 A	0 A			15 A	1 SET	2	#12	#12 G	3/4" C	N/A	N/A	TOGGLE SWITCH	N/A	FED THROUGH ACC-1
FCU	12	L U0 FIRE PUMP ROOM	P1_T/ SLAB LEVEL U0		1	208 V	1	20	0.00 kVA	0 A	0 A			15 A	1 SET	2	#12	#12 G	3/4" C	N/A	N/A	TOGGLE SWITCH	N/A	FED THROUGH ACC-11
FH	01	FURNACE HEATER SERVING GARAGE OFFICE	P1_T/ SLAB LEVEL 1 @ WILSON		1	208 V	3	0.75	1.33 kVA	4 A	5 A	U0NPLA1	7,9,11	15 A	1 SET	3	#12	#12 G	3/4" C	N/A	BY MFG	N/A	BY MFG	
FP	01	FIRE PUMP	P1_T/ SLAB LEVEL U0	X	1	480 V	3	125	129.70 kVA	156 A	195 A	L1LDHB1	7	300 A	1 SET	3	#3/0	#4 G	2" C	N/A	VFD BY DIV 23	N/A	INTEGRAL TO VFD
FP HT TR	#1	L U1 FEED MAIN HEAT TRACE	P1_T/ SLAB LEVEL U1	X	1	208 V	1	0	1.80 kVA	9 A	11 A	U1SPLD1	22,24	15 A	1 SET	2	#12	#12 G	3/4" C	N/A	N/A	TOGGLE SWITCH	N/A	MOTOR RATED TOGGLE SWITCH BY EC
FP HT TR	#3	L U1/U0/2 DOTY FDC MAIN HEAT TRACE	P1_T/ SLAB LEVEL U1	X	1	208 V	1	0	0.52 kVA	3 A	3 A	U1SPLD1	30,32	15 A	1 SET	2	#12	#12 G	3/4" C	N/A	N/A	TOGGLE SWITCH	N/A	MOTOR RATED TOGGLE SWITCH BY EC
FP HT TR	#4	L U0/1 WILSON FEED/FDC MAIN HEAT TRACE	P1_T/ SLAB LEVEL U0	X	1	208 V	1	0	0.64 kVA	3 A	4 A	L1SPLB1	23,25	15 A	1 SET	2	#12	#12 G	3/4" C	N/A	N/A	TOGGLE SWITCH	N/A	MOTOR RATED TOGGLE SWITCH BY EC
GRH	1	GAS FIRED RADIANT HEATER	P1_T/ SLAB LEVEL 2 @ DOTY		1	120 V	1	0.33	0.86 kVA	7 A	9 A	U0NPLA1	10	15 A	1 SET	2	#12	#12 G	3/4" C	N/A	N/A	TOGGLE SWITCH	N/A	MOTOR RATED TOGGLE SWITCH BY EC
GRH	2	GAS FIRED RADIANT HEATER	P1_T/ SLAB LEVEL 2 @ DOTY		1	120 V	1	0.33	0.86 kVA	7 A	9 A	U0NPLA1	19	15 A	1 SET	2	#12	#12 G	3/4" C	N/A	N/A	TOGGLE SWITCH	N/A	MOTOR RATED TOGGLE SWITCH BY EC
GRH	3	GAS FIRED RADIANT HEATER	P1_T/ SLAB LEVEL 1 @ WILSON		1	120 V	1	0.33	0.86 kVA	7 A	9 A	U0NPLA1	16	15 A	1 SET	2	#12	#12 G	3/4" C	N/A	N/A	TOGGLE SWITCH	N/A	MOTOR RATED TOGGLE SWITCH BY EC
GRH	4	GAS FIRED RADIANT HEATER	P1_T/ SLAB LEVEL 1 @ WILSON		1	120 V	1	0.33	0.86 kVA	7 A	9 A	U0NPLA1	21	15 A	1 SET	2	#12	#12 G	3/4" C	N/A	N/A	TOGGLE SWITCH	N/A	MOTOR RATED TOGGLE SWITCH BY EC
HEAT TRACE	#1	L U4 SANITARY HEAT TRACE	P1_T/ SLAB LEVEL U4	X	1	208 V	1	0	1.20 kVA	6 A	7 A	U1SPLD1	1,3	15 A	1 SET	2	#12	#12 G	3/4" C	N/A	N/A	TOGGLE SWITCH	N/A	MOTOR RATED TOGGLE SWITCH BY EC
HEAT TRACE	#2	L U4 STORM HEAT TRACE	P1_T/ SLAB LEVEL U4	X	1	208 V	1	0	1.20 kVA	6 A	7 A	U1SPLD1	2,4	15 A	1 SET	2	#12	#12 G	3/4" C	N/A	N/A	TOGGLE SWITCH	N/A	MOTOR RATED TOGGLE SWITCH BY EC
HEAT TRACE	#3	L U2 SANITARY HEAT TRACE	P1_T/ SLAB LEVEL U2	X	1	120 V	1	0	0.64 kVA	5 A	7 A	U1SPLD1	5	15 A	1 SET	2	#12	#12 G	3/4" C	N/A	N/A	TOGGLE SWITCH	N/A	MOTOR RATED TOGGLE SWITCH BY EC
HEAT TRACE	#4	L U0 SANITARY HEAT TRACE	P1_T/ SLAB LEVEL U0	X	1	120 V	1	0	0.36 kVA	3 A	4 A	L1SPLB1	19	15 A	1 SET	2	#12	#12 G	3/4" C	N/A	N/A	TOGGLE SWITCH	N/A	MOTOR RATED TOGGLE SWITCH BY EC
HEAT TRACE	#5	L1 SANITARY HEAT TRACE	P1_T/ SLAB LEVEL 1 @ WILSON	X	1	120 V	1	0	0.25 kVA	2 A	3 A	L1SPLB1	11	15 A	1 SET	2	#12	#12 G	3/4" C	N/A	N/A	TOGGLE SWITCH	N/A	MOTOR RATED TOGGLE SWITCH BY EC
HEAT TRACE	#6	L1 SANITARY HEAT TRACE	P1_T/ SLAB LEVEL 1 @ WILSON	X	1	120 V	1	0	0.08 kVA	1 A	1 A	L1SPLB1	14	15 A	1 SET	2	#12	#12 G	3/4" C	N/A	N/A	TOGGLE SWITCH	N/A	MOTOR RATED TOGGLE SWITCH BY EC
HEAT TRACE	#7	L1 SANITARY HEAT TRACE	P1_T/ SLAB LEVEL 1 @ WILSON	X	1	208 V	1	0	2.20 kVA	11 A	13 A	L1SPLB1	13,15	20 A	1 SET	2	#12	#12 G	3/4" C	N/A	N/A	TOGGLE SWITCH	N/A	MOTOR RATED TOGGLE SWITCH BY EC
HEAT TRACE	#8	L1 WATER SERVICE HEAT TRACE	P1_T/ SLAB LEVEL 2 @ DOTY	X	1	120 V	1	0	0.05 kVA	0 A	1 A	L1SPLB1	21	15 A	1 SET	2	#12	#12 G	3/4" C	N/A	N/A	TOGGLE SWITCH	N/A	MOTOR RATED TOGGLE SWITCH BY EC
HEAT TRACE	#9	L U0 SANITARY HEAT TRACE	P1_T/ SLAB LEVEL U0	X	1	120 V	1	0	0.23 kVA	2 A	3 A	L1SPLB1	22	15 A	1 SET	2	#12	#12 G	3/4" C	N/A	N/A	TOGGLE SWITCH	N/A	MOTOR RATED TOGGLE SWITCH BY EC
IF	1	U4 PARKING	P1_T/ SLAB LEVEL U4	X	1	480 V	3	1.5	2.49 kVA	3 A	4 A	U3SDHC1	1	15 A	1 SET	3	#12	#12 G	3/4" C	EC	N/A	30A	N/A	PROVIDE FUSED MULTI-SPEED STARTER
IF	2	U4 PARKING	P1_T/ SLAB LEVEL U4	X	1	480 V	3	1.5	2.49 kVA	3 A	4 A	U3SDHC1	2	15 A	1 SET	3	#12	#12 G	3/4" C	EC	N/A	30A	N/A	PROVIDE FUSED MULTI-SPEED STARTER
IF	3	U4 PARKING	P1_T/ SLAB LEVEL U4	X	1	480 V	3	1.5	2.49 kVA	3 A	4 A	U3SDHC1	3	15 A	1 SET	3	#12	#12 G	3/4" C	EC	N/A	30A	N/A	PROVIDE FUSED MULTI-SPEED STARTER
IF	4	U4 PARKING	P1_T/ SLAB LEVEL U4	X	1	480 V	3	1.5	2.49 kVA	3 A	4 A	U3SDHC1	4	15 A	1 SET	3	#12	#12 G	3/4" C	EC	N/A	30A	N/A	PROVIDE FUSED MULTI-SPEED STARTER
IF	5	U4 PARKING	P1_T/ SLAB LEVEL U4	X	1	480 V	3	1.5	2.49 kVA	3 A	4 A	U3SDHC1	5	15 A	1 SET	3	#12	#12 G	3/4" C	EC	N/A	30A	N/A	PROVIDE FUSED MULTI-SPEED STARTER
IF	6	U4 PARKING	P1_T/ SLAB LEVEL U4	X	1	480 V	3	1.5	2.49 kVA	3 A	4 A	U3SDHC1	6	15 A	1 SET	3	#12	#12 G	3/4" C	EC	N/A	30A	N/A	PROVIDE FUSED MULTI-SPEED STARTER
IF	7	U4 PARKING	P1_T/ SLAB LEVEL U4	X	1	480 V	3	1.5	2.49 kVA	3 A	4 A	U3SDHC1	7	15 A	1 SET	3	#12	#12 G	3/4" C	EC	N/A	30A	N/A	PROVIDE FUSED MULTI-SPEED STARTER
IF	8	U4 PARKING	P1_T/ SLAB LEVEL U4	X	1	480 V	3	1.5	2.49 kVA	3 A	4 A	U3SDHC1	8	15 A	1 SET	3	#12	#12 G	3/4" C	EC	N/A	30A	N/A	PROVIDE FUSED MULTI-SPEED STARTER
IF	9	U4 PARKING	P1_T/ SLAB LEVEL U4	X	1	480 V	3	1.5	2.49 kVA	3 A	4 A	U3SDHC1	9	15 A	1 SET	3	#12	#12 G	3/4" C	EC	N/A	30A	N/A	PROVIDE FUSED MULTI-SPEED STARTER
IF	10	U3 PARKING	P1_T/ SLAB LEVEL U3	X	1	480 V	3	1.5	2.49 kVA	3 A	4 A	U3SDHC1	10	15 A	1 SET	3	#12	#12 G	3/4" C	EC	N/A	30A	N/A	PROVIDE FUSED MULTI-SPEED STARTER
IF	11	U3 PARKING	P1_T/ SLAB LEVEL U3	X	1	480 V	3	1.5	2.49 kVA	3 A	4 A	U3SDHC1	11	15 A	1 SET	3	#12	#12 G	3/4" C	EC	N/A	30A	N/A	PROVIDE FUSED MULTI-SPEED STARTER
IF	12	U3 PARKING	P1_T/ SLAB LEVEL U3	X	1	480 V	3	1.5	2.49 kVA	3 A	4 A	U3SDHC1	12	15 A	1 SET	3	#12	#12 G	3/4" C	EC	N/A	30A	N/A	PROVIDE FUSED MULTI-SPEED STARTER
IF	13	U3 PARKING	P1_T/ SLAB LEVEL U3	X	1	480 V	3	1.5	2.49 kVA	3 A	4 A	U3SDHC1	13	15 A	1 SET	3	#12	#12 G	3/4" C	EC	N/A	30A	N/A	PROVIDE FUSED MULTI-SPEED STARTER
IF	14	U3 PARKING	P1_T/ SLAB LEVEL U3	X	1	480 V	3	1.5	2.49 kVA	3 A	4 A	U3SDHC1	14	15 A	1 SET	3	#12	#12 G	3/4" C	EC	N/A	30A	N/A	PROVIDE FUSED MULTI-SPEED STARTER
IF	15	U3 PARKING	P1_T/ SLAB LEVEL U3	X	1	480 V	3	1.5	2.49 kVA	3 A	4 A	U3SDHC1	15	15 A	1 SET	3	#12	#12 G	3/4" C	EC	N/A	30A	N/A	PROVIDE FUSED MULTI-SPEED STARTER
IF	16	U3 PARKING	P1_T/ SLAB LEVEL U3	X	1	480 V	3	1.5	2.49 kVA	3 A	4 A	U3SDHC1	16	15 A	1 SET	3	#12	#12 G	3/4" C	EC	N/A	30A	N/A	PROVIDE FUSED MULTI-SPEED STARTER
IF	17	U3 PARKING	P1_T/ SLAB LEVEL U3	X	1	480 V	3	1.5	2.49 kVA	3 A	4 A	U3SDHC1	17	15 A	1 SET	3	#12	#12 G	3/4" C	EC	N/A	30A	N/A	PROVIDE FUSED MULTI-SPEED STARTER
IF	18	U3 PARKING	P1_T/ SLAB LEVEL U3	X	1	480 V	3	1.5	2.49 kVA	3 A	4 A	U3SDHC1	18	15 A	1 SET	3	#12	#12 G	3/4" C	EC	N/A	30A	N/A	PROVIDE FUSED MULTI-SPEED STARTER
IF	19	U2 PARKING	P1_T/ SLAB LEVEL U2	X	1	480 V	3	1.5	2.49 kVA	3 A	4 A	U1SDHD1	2	15 A	1 SET	3	#12	#12 G	3/4" C	EC	N/A	30A	N/A	PROVIDE FUSED MULTI-SPEED STARTER
IF	20	U2 PARKING	P1_T/ SLAB LEVEL U2	X	1	480 V	3	1.5	2.49 kVA	3 A	4 A	U1SDHD1	3	15 A	1 SET	3	#12	#12 G	3/4" C	EC	N/A	30A	N/A	PROVIDE FUSED MULTI-SPEED STARTER
IF	21	U2 PARKING	P1_T/ SLAB LEVEL U2	X	1	480 V	3	1.5	2.49 kVA	3 A	4 A	U1SDHD1	4	15 A	1 SET	3	#12	#12 G	3/4" C	EC	N/A	30A	N/A	PROVIDE FUSED MULTI-SPEED STARTER
IF	22	U2 PARKING	P1_T/ SLAB LEVEL U2	X	1	480 V	3	1.5	2.49 kVA	3 A	4 A	U1SDHD1	5	15 A	1 SET	3	#12	#12 G	3/4" C	EC	N/A	30A	N/A	PROVIDE FUSED MULTI-SPEED STARTER
IF	23	U2 PARKING	P1_T/ SLAB LEVEL U2	X	1	480 V	3	1.5	2.49 kVA	3 A	4 A	U1SDHD1	6	15 A	1 SET	3	#12	#12 G	3/4" C	EC	N/A	30A	N/A	PROVIDE FUSED MULTI-SPEED STARTER
IF	24	U2 PARKING	P1_T/ SLAB LEVEL U2	X	1	480 V	3	1.5	2.49 kVA	3 A	4 A	U1SDHD1	7	15 A	1 SET	3	#12	#12 G	3/4" C	EC	N/A	30A	N/A	PROVIDE FUSED MULTI-SPEED STARTER
IF	25	U2 PARKING	P1_T/ SLAB LEVEL U2	X	1	480 V	3	1.5	2.49 kVA	3 A	4 A	U1SDHD1	8	15 A	1 SET	3	#12	#12 G	3/4" C	EC	N/A	30A	N/A	PROVIDE FUSED MULTI-SPEED STARTER
IF	26	U2 PARKING	P1_T/ SLAB LEVEL U2	X	1	480 V	3	1.5	2.49 kVA	3 A	4 A	U1SDHD1	9	15 A	1 SET	3	#12	#12 G	3/4" C	EC	N/A	30A	N/A	PROVIDE FUSED MULTI-SPEED STARTER
IF	27	U2 PARKING	P1_T/ SLAB LEVEL U2	X	1	480 V	3	1.5	2.49 kVA	3 A	4 A	U1SDHD1	10	15 A	1 SET	3	#12	#12 G	3/4" C	EC	N/A	30A	N/A	PROVIDE FUSED MULTI-SPEED STARTER
IF	28	U1 PARKING	P1_T/ SLAB LEVEL U1	X	1	480 V	3	1.5	2.49 kVA	3 A	4 A	U1SDHD1	11	15 A	1 SET	3	#12	#12 G	3/4" C	EC	N/A	30A	N/A	PROVIDE FUSED MULTI-SPEED STARTER
IF	29	U1 PARKING	P1_T/ SLAB LEVEL U1	X	1	480 V	3	1.5	2.49 kVA	3 A	4 A	U1SDHD1	12	15 A	1 SET	3	#12	#12 G	3/4" C	EC	N/A	30A	N/A	PROVIDE FUSED MULTI-SPEED STARTER
IF	30	U1 PARKING	P1_T/ SLAB LEVEL U1	X	1	480 V	3	1.5	2.49 kVA	3 A	4 A	U1SDHD1	13	15 A	1 SET	3	#12	#12 G	3/4" C	EC	N/A	30A	N/A	PROVIDE FUSED MULTI-SPEED STARTER
IF	31	U1 PARKING	P1_T/ SLAB LEVEL U1	X	1	480 V	3	1.5	2.49 kVA	3 A	4 A	U1SDHD1	14	15 A	1 SET	3	#12	#12 G	3/4" C	EC	N/A	30A	N/A	PROVIDE FUSED MULTI-SPEED STARTER
IF	32	U1 PARKING	P1_T/ SLAB LEVEL U1	X	1	480 V	3	1.5	2.49 kVA	3 A	4 A	U1SDHD1	15	15 A	1 SET	3	#12	#12 G	3/4" C	EC	N/A	30A	N/A	PROVIDE FUSED MULTI-SPEED STARTER
IF	33	U1 PARKING	P1_T/ SLAB LEVEL U1	X	1	480 V	3	1.5	2.49 kVA	3 A	4 A	U1SDHD1	16	15 A	1 SET	3	#12	#12 G	3/4" C	EC	N/A	30A	N/A	PROVIDE FUSED MULTI-SPEED STARTER
IF	34	U1 PARKING	P1_T/ SLAB LEVEL U1	X	1	480 V	3	1.5	2.49 kVA	3 A	4 A	U1SDHD1	17	15 A	1 SET	3	#12	#12 G	3/4" C	EC	N/A	30A	N/A	PROVIDE FUSED MULTI-SPEED STARTER
IF	35	U1 PARKING	P1_T/ SLAB LEVEL U1	X	1	480 V	3	1.5	2.49 kVA	3 A	4 A	U1SDHD1	18	15 A	1 SET	3	#12	#12 G	3/4" C	EC	N/A	30A	N/A	PROVIDE FUSED MULTI-SPEED STARTER
IF	36	U1 PARKING	P1_T/ S

U3EPHC1

MAIN TYPE: MLO | MAIN RATING: 60 A | BUS RATING: 60 A
VOLTAGE: 480/277 Wye | 3 PHASE | 4 WIRE
MOUNTING: Surface | ENCLOSURE: Type 1
LOCATION: P1 T/ SLAB LEVEL U3, | FED FROM: L1EDHB1 | SCCR: 42 kA | CALCULATED AVAILABLE FAULT...: 30 kA

REMARKS: PROVIDE INTEGRAL SURGE PROTECTIVE DEVICE

LEFT SIDE, kVA / RIGHT SIDE, kVA

DESCRIPTION	BRKR NOTES	BRKR AMP. POLES	CKT NO	A	B	C	A	B	C	CKT NO	BRKR AMP. POLES	BRKR NOTES	DESCRIPTION
U4 DRIVE 1 LIGHTING		20 A 1	1	0.36			0.36			2	1 20 A		U4 DRIVE 1 LIGHTING
U4 DRIVE 2 LIGHTING		20 A 1	3		0.40			0.28		4	1 20 A		U4 DRIVE 2 LIGHTING
U4 DRIVE 3 LIGHTING		20 A 1	5		0.40				0.32	6	1 20 A		U4 DRIVE 3 LIGHTING
U4 WEST STAIR/VEST		20 A 1	7	0.32			0.19			8	1 20 A		U4 EAST STAIR/VEST
U3 DRIVE 1 LIGHTING		20 A 1	9		0.36			0.36		10	1 20 A		U3 DRIVE 1 LIGHTING
U3 DRIVE 2 LIGHTING		20 A 1	11			0.40			0.28	12	1 20 A		U3 DRIVE 2 LIGHTING
U3 DRIVE 3 LIGHTING		20 A 1	13	0.44			0.28			14	1 20 A		U3 DRIVE 3 LIGHTING
U3 WEST STAIR/VEST/ELEC		20 A 1	15		0.51			0.26		16	1 20 A		U3 EAST STAIR/VEST
U2 DRIVE 1 LIGHTING		20 A 1	17			0.36			0.36	18	1 20 A		U2 DRIVE 1 LIGHTING
U2 DRIVE 2 LIGHTING		20 A 1	19	0.36			0.32			20	1 20 A		U2 DRIVE 2 LIGHTING
U2 DRIVE 3 LIGHTING		20 A 1	21		0.36			0.28		22	1 20 A		U2 DRIVE 3 LIGHTING
U2 WEST STAIR/VEST		20 A 1	23			0.45			0.26	24	1 20 A		U2 EAST STAIR/VEST
U4 EXIT SIGNS		20 A 1	25	0.07			0.07			26	1 20 A		U4 EXIT SIGNS
U3 EXIT SIGNS		20 A 1	27		0.08			0.07		28	1 20 A		U3 EXIT SIGNS
U2 EXIT SIGNS		20 A 1	29			0.07			0.07	30	1 20 A		U2 EXIT SIGNS
Spare		20 A 1	31	0.00			0.00			32	1 20 A		Spare
Spare		20 A 1	33		0.00			0.00		34	1 20 A		Spare
Spare		20 A 1	35			0.00			0.00	36	1 20 A		Spare
Spare		20 A 1	37	0.00			0.00			38	1 20 A		Spare
Spare		20 A 1	39		0.00			0.00		40	1 20 A		Spare
Spare		20 A 1	41			0.00			0.00	42	1 20 A		Spare

TOTAL PHASE SUMMARY

	A	B	C
PHASE SUBTOTAL (kVA):	2.78...	2.96...	2.97...
PHASE SUBTOTAL (AMPS):	10 A	11 A	11 A

LOAD CLASSIFICATION	CONNECTED (KVA)	DEMAND FACTOR	DEMAND (KVA)
POWER	0.00 kVA	100%	0.00 kVA
LIGHTING	8.71 kVA	125%	10.88 kVA
MOTOR	0.00 kVA	125% LARGEST, 100% OTHER	0.00 kVA
RECEPTACLE	0.00 kVA	100% FIRST 10KVA, 50% OTHER	0.00 kVA
HEATING	0.00 kVA	125%	0.00 kVA
TOTAL LOAD	8.71 kVA		10.88 kVA
TOTAL AMPS	10 A		13 A

U3LPHC1

MAIN TYPE: MCB | MAIN RATING: 100 A | BUS RATING: 100 A
VOLTAGE: 480/277 Wye | 3 PHASE | 4 WIRE
MOUNTING: Surface | ENCLOSURE: Type 1
LOCATION: P1 T/ SLAB LEVEL U3, | FED FROM: L1LDHB1 | SCCR: 42 kA | CALCULATED AVAILABLE FAULT...: 35 kA

REMARKS:

LEFT SIDE, kVA / RIGHT SIDE, kVA

DESCRIPTION	BRKR NOTES	BRKR AMP. POLES	CKT NO	A	B	C	A	B	C	CKT NO	BRKR AMP. POLES	BRKR NOTES	DESCRIPTION
SP-1 a,b		25 A 3	1	2.11			2.11			2	3 15 A		EP-1 a,b
--	--	-- --	3		2.11			2.11		4	-- --	--	--
--	--	-- --	5			2.11			2.11	6	-- --	--	--
Space	--	-- --	7	0.00			0.00			8	-- --	--	Space
Space	--	-- --	9		0.00			0.00		10	-- --	--	Space
Space	--	-- --	11			0.00			0.00	12	-- --	--	Space
Space	--	-- --	13	0.00			0.00			14	-- --	--	Space
Space	--	-- --	15		0.00			0.00		16	-- --	--	Space
Space	--	-- --	17			0.00			0.00	18	-- --	--	Space

TOTAL PHASE SUMMARY

	A	B	C
PHASE SUBTOTAL (kVA):	4.21...	4.21...	4.21...
PHASE SUBTOTAL (AMPS):	15 A	15 A	15 A

LOAD CLASSIFICATION	CONNECTED (KVA)	DEMAND FACTOR	DEMAND (KVA)
POWER	0.00 kVA	100%	0.00 kVA
LIGHTING	0.00 kVA	125%	0.00 kVA
MOTOR	12.64 kVA	125% LARGEST, 100% OTHER	14.22 kVA
RECEPTACLE	0.00 kVA	100% FIRST 10KVA, 50% OTHER	0.00 kVA
HEATING	0.00 kVA	125%	0.00 kVA
TOTAL LOAD	12.64 kVA		14.22 kVA
TOTAL AMPS	15 A		17 A

U3SDHC1

MAIN TYPE: MCB | MAIN RATING: 200 A | BUS RATING: 250 A
VOLTAGE: 480/277 Wye | 3 PHASE | 4 WIRE
MOUNTING: Surface | ENCLOSURE: Type 1
LOCATION: P1 T/ SLAB LEVEL U3, | FED FROM: U1SDHD1 | SCCR: 42 kA | CALCULATED AVAILABLE FAULT...: 35 kA

REMARKS:

SPACE	DESCRIPTION	Load	FRAME	TRIP	POLES	BRKR NOTES	NOTES
1	IF-01	2.49 kVA	15 A	15 A	3		
2	IF-02	2.49 kVA	15 A	15 A	3		
3	IF-03	2.49 kVA	15 A	15 A	3		
4	IF-04	2.49 kVA	15 A	15 A	3		
5	IF-05	2.49 kVA	15 A	15 A	3		
6	IF-06	2.49 kVA	15 A	15 A	3		
7	IF-07	2.49 kVA	15 A	15 A	3		
8	IF-08	2.49 kVA	15 A	15 A	3		
9	IF-09	2.49 kVA	15 A	15 A	3		
10	IF-10	2.49 kVA	15 A	15 A	3		
11	IF-11	2.49 kVA	15 A	15 A	3		
12	IF-12	2.49 kVA	15 A	15 A	3		
13	IF-13	2.49 kVA	15 A	15 A	3		
14	IF-14	2.49 kVA	15 A	15 A	3		
15	IF-15	2.49 kVA	15 A	15 A	3		
16	IF-16	2.49 kVA	15 A	15 A	3		
17	IF-17	2.49 kVA	15 A	15 A	3		
18	IF-18	2.49 kVA	15 A	15 A	3		
19	Spare	0.00 kVA	--	15 A	3		
20	Spare	0.00 kVA	--	15 A	3		
21	Spare	0.00 kVA	--	15 A	3		
22	Spare	0.00 kVA	--	15 A	3		
23	Spare	0.00 kVA	--	20 A	3		
24	Space	0.00 kVA	--	20 A	3		
25	Space	0.00 kVA	--	20 A	3		
26	Space	0.00 kVA	--	20 A	3		
27	Space	0.00 kVA	--	20 A	3		
28	Space	0.00 kVA	--	20 A	3		

LOAD CLASSIFICATION	CONNECTED (KVA)	DEMAND FACTOR	DEMAND (KVA)
POWER	0.00 kVA	100%	0.00 kVA
LIGHTING	0.00 kVA	125%	0.00 kVA
MOTOR	44.82 kVA	125% LARGEST, 100% OTHER	45.44 kVA
RECEPTACLES	0.00 kVA	100% FIRST 10KVA, 50% OTHER	0.00 kVA
HEATING	0.00 kVA	125%	0.00 kVA
TOTAL LOAD	44.82 kVA		45.44 kVA
TOTAL AMPS	54 A		55 A

U3NPHC1

MAIN TYPE: MCB | MAIN RATING: 100 A | BUS RATING: 60 A
VOLTAGE: 480/277 Wye | 3 PHASE | 4 WIRE
MOUNTING: Surface | ENCLOSURE: Type 1
LOCATION: P1 T/ SLAB LEVEL U3, | FED FROM: U3NSHA1 | SCCR: 35 kA | CALCULATED AVAILABLE FAULT...: 28 kA

REMARKS: SQUARE D POWERLINK PANELBOARD

LEFT SIDE, kVA / RIGHT SIDE, kVA

DESCRIPTION	BRKR NOTES	BRKR AMP. POLES	CKT NO	A	B	C	A	B	C	CKT NO	BRKR AMP. POLES	BRKR NOTES	DESCRIPTION
U4 DRY VALVE RM LIGHTING		20 A 1	1	0.13			0.13			2	1 20 A		U3 DRY VALVE RM LIGHTING
U2 WORKSHOP/TOOLS/DRY VALVE...		20 A 1	3		0.38			0.45		4	1 20 A		U2 SWEEPER/TOILET/DRY VALVE...
U4 PUMP AREA		20 A 1	5			0.13			0.00	6	1 20 A		Spare
Spare		20 A 1	7	0.00			0.00			8	1 20 A		Spare
Spare		20 A 1	9		0.00			0.00		10	1 20 A		Spare
Space	--	-- --	11			0.00			0.00	12	-- --	--	Space
Space	--	-- --	13	0.00			0.00			14	-- --	--	Space
Space	--	-- --	15		0.00			0.00		16	-- --	--	Space
Space	--	-- --	17			0.00			0.00	18	-- --	--	Space

TOTAL PHASE SUMMARY

	A	B	C
PHASE SUBTOTAL (kVA):	0.26...	0.83...	0.13...
PHASE SUBTOTAL (AMPS):	1 A	3 A	0 A

LOAD CLASSIFICATION	CONNECTED (KVA)	DEMAND FACTOR	DEMAND (KVA)
POWER	0.00 kVA	100%	0.00 kVA
LIGHTING	1.22 kVA	125%	1.52 kVA
MOTOR	0.00 kVA	125% LARGEST, 100% OTHER	0.00 kVA
RECEPTACLE	0.00 kVA	100% FIRST 10KVA, 50% OTHER	0.00 kVA
HEATING	0.00 kVA	125%	0.00 kVA
TOTAL LOAD	1.22 kVA		1.52 kVA
TOTAL AMPS	1 A		2 A

U3LPLC1

MAIN TYPE: MLO | MAIN RATING: 60 A | BUS RATING: 60 A
VOLTAGE: 120/208 Wye | 3 PHASE | 4 WIRE
MOUNTING: Surface | ENCLOSURE: Type 1
LOCATION: P1 T/ SLAB LEVEL U3, | FED FROM: L1LPLB1 | SCCR: 10 kA | CALCULATED AVAILABLE FAULT...: 5 kA

REMARKS:

LEFT SIDE, kVA / RIGHT SIDE, kVA

DESCRIPTION	BRKR NOTES	BRKR AMP. POLES	CKT NO	A	B	C	A	B	C	CKT NO	BRKR AMP. POLES	BRKR NOTES	DESCRIPTION
SP-03		20 A 1	1	1.18			0.40			2	2 20 A		NITROGEN GENERATOR 1
SP-04		20 A 1	3		1.18			0.40		4	-- --	--	
SP-02		20 A 1	5			1.18			0.40	6	2 20 A		NITROGEN GENERATOR 2
Spare		20 A 1	7	0.00			0.40			8	-- --		
Spare		20 A 1	9		0.00			0.00		10	1 20 A		Spare
Spare		20 A 1	11			0.00			0.00	12	1 20 A		Spare
Spare		20 A 1	13	0.00			0.00			14	-- --	--	Space
Spare		20 A 1	15		0.00			0.00		16	-- --	--	Space
Spare		20 A 1	17			0.00			0.00	18	-- --	--	Space
Space	--	-- --	19	0.00			0.00			20	-- --	--	Space
Space	--	-- --	21		0.00			0.00		22	-- --	--	Space
Space	--	-- --	23			0.00			0.00	24	-- --	--	Space

TOTAL PHASE SUMMARY

	A	B	C
PHASE SUBTOTAL (kVA):	1.98...	1.58...	1.58...
PHASE SUBTOTAL (AMPS):	17 A	13 A	13 A

LOAD CLASSIFICATION	CONNECTED (KVA)	DEMAND FACTOR	DEMAND (KVA)
POWER	0.00 kVA	100%	0.00 kVA
LIGHTING	0.00 kVA	125%	0.00 kVA
MOTOR	3.54 kVA	125% LARGEST, 100% OTHER	3.94 kVA
RECEPTACLE	1.60 kVA	100% FIRST 10KVA, 50% OTHER	1.80 kVA
HEATING	0.00 kVA	125%	0.00 kVA
TOTAL LOAD	5.14 kVA		5.44 kVA
TOTAL AMPS	14 A		15 A

U3NPLC1

MAIN TYPE: MCB | MAIN RATING: 100 A | BUS RATING: 100 A
VOLTAGE: 120/208 Wye | 3 PHASE | 4 WIRE
MOUNTING: Surface | ENCLOSURE: Type 1
LOCATION: P1 T/ SLAB LEVEL U3, | FED FROM: U1NPLD1 | SCCR: 10 kA | CALCULATED AVAILABLE FAULT...: 5 kA

REMARKS:

LEFT SIDE, kVA / RIGHT SIDE, kVA

DESCRIPTION	BRKR NOTES	BRKR AMP. POLES	CKT NO	A	B	C	A	B	C	CKT NO	BRKR AMP. POLES	BRKR NOTES	DESCRIPTION
P-04		15 A 1	1	0.53			0.36			2	1 20 A		U4 DRIVE 1&2 WEST RECEPT.
U4 DRIVE 1&2 CENTER RECEPT		20 A 1	3		0.72			0.54		4	1 20 A		U4 DRIVE 1&2 EAST RECEPT.
U4 WEST VEST PARKING RECEPT.		20 A 1	5			0.54			0.54	6	1 20 A		RM U405/U404/U403 RECEPT.
U4 DRIVE 3 WEST RECEPT.		20 A 1	7	0.72			0.36			8	1 20 A		U4 DRIVE 3 EAST RECEPT.
RM U402/U401 RECEPT.		20 A 1	9		0.36			0.36		10	1 20 A		U4 EAST VEST PARKING RECEPT.
U3 DRIVE 1&2 WEST RECEPT.		20 A 1	11			0.90			1.26	12	1 20 A		U3 DRIVE 1&2 CENTER RECEPT.
U3 DRIVE 1&2 EAST RECEPT.		20 A 1	13	0.36			0.54			14	1 20 A		U3 WEST VEST PARKING RECEPT.
RM U306/U305/U303/U304/STAIR...		20 A 1	15		0.90			0.54		16	1 20 A		U3 DRIVE 3 WEST RECEPT.
U3 DRIVE 3 EAST RECEPT.		20 A 1	17			0.36			0.54	18	1 20 A		RM U302/U301/STAIR RECEPT.
U3 EAST VEST PARKING RECEPT.		20 A 1	19	0.36			0.53			20	1 20 A		P-05
Spare		20 A 1	21		0.00			0.00		22	1 20 A		Spare
Spare		20 A 1	23			0.00			0.00	24	1 20 A		Spare
Spare		20 A 1	25	0.00			0.00			26	1 20 A		Spare
Spare		20 A 1	27		0.00			0.00		28	1 20 A		Spare
Spare		20 A 1	29			0.00			0.00	30	1 20 A		Spare
Space	--	-- --	31	0.00			0.00			32	-- --	--	Space
Space	--	-- --	33		0.00			0.00		34	-- --	--	Space
Space	--	-- --	35			0.00			0.00	36	-- --	--	Space
Space	--	-- --	37	0.00			0.00			38	-- --	--	Space
Space	--	-- --	39		0.00			0.00		40	-- --	--	Space
Space	--	-- --	41			0.00			0.00	42	-- --	--	Space

TOTAL PHASE SUMMARY

	A	B	C
PHASE SUBTOTAL (kVA):	3.76...	3.42...	4.14...
PHASE SUBTOTAL (AMPS):	32 A	29 A	35 A

LOAD CLASSIFICATION	CONNECTED (KVA)	DEMAND FACTOR	DEMAND (KVA)
POWER	0.00 kVA	100%	0.00 kVA
LIGHTING	0.00 kVA	125%	0.00 kVA
MOTOR	1.06 kVA	125% LARGEST, 100% OTHER	1.19 kVA
RECEPTACLE	10.26 kVA	100% FIRST 10KVA, 50% OTHER	10.13 kVA
HEATING	0.00 kVA	125%	0.00 kVA
TOTAL LOAD	11.32 kVA		11.32 kVA
TOTAL AMPS	31 A		31 A

General Notes

No.	Description	Date
7	FINAL BULLETIN #6	09/14/2018
6	BID DOCUMENTS	09/07/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

NEW MUNICIPAL PARKING FACILITY

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE

Drawing Title

ELECTRICAL PANEL SCHEDULES

Drawn	Date
AEI	9/14/2018 11:40:22 AM
Checked By	Drawing Number
AEI	E-603
Approved	
AEI	
Job Number	
215-1051	

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9/14/2018 11:40:22 AM

U1SDHD1

MAIN TYPE: MCB
MAIN RATING: 400 A
BUS RATING: 400 A
VOLTAGE: 480/277 Wye
3 PHASE 4 WIRE
MOUNTING: Surface
ENCLOSURE: Type 1
LOCATION: P1_T/ SLAB LEVEL U1,
FED FROM: L1SDHB1
SCCR: 42 kA
CALCULATED AVAILABLE FAULT...: 35 kA

REMARKS:

SPACE	DESCRIPTION	Load	FRAME	TRIP	POLES	BRKR NOTES	NOTES
1	U3SDHC1	44.82 kVA	250 A	200 A	3		
2	IF-19	2.49 kVA	15 A	15 A	3		
3	IF-20	2.49 kVA	15 A	15 A	3		
4	IF-21	2.49 kVA	15 A	15 A	3		
5	IF-22	2.49 kVA	15 A	15 A	3		
6	IF-23	2.49 kVA	15 A	15 A	3		
7	IF-24	2.49 kVA	15 A	15 A	3		
8	IF-25	2.49 kVA	15 A	15 A	3		
9	IF-26	2.49 kVA	15 A	15 A	3		
10	IF-27	2.49 kVA	15 A	15 A	3		
11	IF-28	2.49 kVA	15 A	15 A	3		
12	IF-29	2.49 kVA	15 A	15 A	3		
13	IF-30	2.49 kVA	15 A	15 A	3		
14	IF-31	2.49 kVA	15 A	15 A	3		
15	IF-32	2.49 kVA	15 A	15 A	3		
16	IF-33	2.49 kVA	15 A	15 A	3		
17	IF-34	2.49 kVA	15 A	15 A	3		
18	IF-35	2.49 kVA	15 A	15 A	3		
19	IF-36	2.49 kVA	15 A	15 A	3		
20	IF-37	2.49 kVA	15 A	15 A	3		
21	IF-38	2.49 kVA	15 A	15 A	3		
22	Spare	0.00 kVA	--	15 A	3		
23	Spare	0.00 kVA	--	15 A	3		
24	Space	0.00 kVA	--	15 A	3		
25	Spare	0.00 kVA	--	15 A	3		
26	Space	0.00 kVA	--	15 A	3		
27	Space	0.00 kVA	--	15 A	3		
28	Space	0.00 kVA	--	15 A	3		
29	Space	0.00 kVA	--	15 A	3		
30	Space	0.00 kVA	--	15 A	3		
31	Space	0.00 kVA	--	15 A	3		
32	Space	0.00 kVA	--	15 A	3		

LOAD CLASSIFICATION	CONNECTED (KVA)	DEMAND FACTOR	DEMAND (KVA)
POWER	0.00 kVA	100%	0.00 kVA
LIGHTING	0.00 kVA	125%	0.00 kVA
MOTOR	94.62 kVA	125% LARGEST, 100% OTHER	95.24 kVA
RECEPTACLES	0.00 kVA	100% FIRST 10KVA, 50% OTHER	0.00 kVA
HEATING	0.00 kVA	125%	0.00 kVA
TOTAL LOAD	94.62 kVA		95.24 kVA
TOTAL AMPS	114 A		115 A

U1NDHD1

MAIN TYPE: MCB
MAIN RATING: 600 A
BUS RATING: 600 A
VOLTAGE: 480/277 Wye
3 PHASE 4 Wi...
MOUNTING: Surface
ENCLOSURE: Type 1
LOCATION: P1_T/ SLAB LEVEL U1,
FED FROM: U0NSHA1
SCCR: 42 kA
CALCULATED AVAILABLE FAULT...: 35 kA

REMARKS: PROVIDE AS TWO SEPARATE SECTIONS

SPACE	DESCRIPTION	Load	FRAME	TRIP	POLES	BRKR NOTES	NOTES
1	U1NHTD1	39.35 kVA	150 A	150 A	3		
2	Space	0.00 kVA	--	--	--	--	
3	Space	0.00 kVA	--	--	--	--	
4	Space	0.00 kVA	--	--	--	--	
5	Space	0.00 kVA	--	--	--	--	
6	Space	0.00 kVA	--	--	--	--	
7	Space	0.00 kVA	--	--	--	--	
8	Space	0.00 kVA	--	--	--	--	
9	Space	0.00 kVA	--	--	--	--	
10	Space	0.00 kVA	--	--	--	--	
11	Space	0.00 kVA	--	--	--	--	
12	Space	0.00 kVA	--	--	--	--	
13	Space	0.00 kVA	--	--	--	--	
14	Space	0.00 kVA	--	--	--	--	
15	Space	0.00 kVA	--	--	--	--	
16	Space	0.00 kVA	--	--	--	--	
17	Space	0.00 kVA	--	--	--	--	
18	Space	0.00 kVA	--	--	--	--	
19	Space	0.00 kVA	--	--	--	--	
20	Space	0.00 kVA	--	--	--	--	
21	Space	0.00 kVA	--	--	--	--	
22	Space	0.00 kVA	--	--	--	--	
23	Space	0.00 kVA	--	--	--	--	
24	Space	0.00 kVA	--	--	--	--	
25	Space	0.00 kVA	--	--	--	--	
26	Space	0.00 kVA	--	--	--	--	
27	Space	0.00 kVA	--	--	--	--	
28	Space	0.00 kVA	--	--	--	--	
29	Space	0.00 kVA	--	--	--	--	
30	Space	0.00 kVA	--	--	--	--	
31	Space	0.00 kVA	--	--	--	--	
32	Space	0.00 kVA	--	--	--	--	
33	Space	0.00 kVA	--	--	--	--	
34	Space	0.00 kVA	--	--	--	--	
35	Space	0.00 kVA	--	--	--	--	
36	Space	0.00 kVA	--	--	--	--	
37	Space	0.00 kVA	--	--	--	--	
38	Space	0.00 kVA	--	--	--	--	
39	Space	0.00 kVA	--	--	--	--	
40	Space	0.00 kVA	--	--	--	--	
41	Space	0.00 kVA	--	--	--	--	
42	Space	0.00 kVA	--	--	--	--	

LOAD CLASSIFICATION	CONNECTED (KVA)	DEMAND FACTOR	DEMAND (KVA)
POWER	0.00 kVA	100%	0.00 kVA
LIGHTING	0.00 kVA	125%	0.00 kVA
MOTOR	16.53 kVA	125% LARGEST, 100% OTHER	17.99 kVA
RECEPTACLES	22.82 kVA	100% FIRST 10KVA, 50% OTHER	16.41 kVA
HEATING	0.00 kVA	125%	0.00 kVA
TOTAL LOAD	39.35 kVA		34.40 kVA
TOTAL AMPS	47 A		41 A

U1SPLD1

MAIN TYPE: MCB
MAIN RATING: 225 A
BUS RATING: 225 A
VOLTAGE: 120/208 Wye
3 PHASE 4 WIRE
MOUNTING: Surface
ENCLOSURE: Type 1
LOCATION: P1_T/ SLAB LEVEL U1,
FED FROM: L1SPLB1
SCCR: 10 kA
CALCULATED AVAILABLE FAULT...: 5 kA

REMARKS: TWO TUB PANEL. PROVIDE FEED THROUGH LUGS TO SECOND TUB.

DESCRIPTION	BRKR NOTES	BRKR AMP, POLES	CKT NO	LEFT SIDE, kVA A	B	C	RIGHT SIDE, kVA A	B	C	CKT NO	BRKR AMP, POLES	BRKR NOTES	DESCRIPTION
HEAT TRACE #1 (30mA GFCI)		15 A 2	1	0.60			0.60			2	2 15 A		HEAT TRACE #2 (30mA GFCI)
--	--	-- --	3		0.60			0.60		4	-- --	--	--
HEAT TRACE #3 (30mA GFCI)		15 A 1	5			0.64			1.50	6	2 20 A		UH-16
UH-15		20 A 2	7	1.50			1.50			8	-- --	--	--
--	--	-- --	9		1.50			1.50		10	2 20 A		UH-14
UH-13		20 A 2	11			1.50			1.50	12	-- --	--	--
--	--	-- --	13	1.50			1.50			14	2 20 A		UH-11
UH-12		20 A 2	15		1.50			1.50		16	-- --	--	--
--	--	-- --	17			1.50			1.50	18	2 20 A		UH-10
UH-09		20 A 2	19	1.50			1.50			20	-- --	--	--
--	--	-- --	21		1.50			0.90		22	2 20 A		FP HEAT TRACE #1 (30mA GFCI)
UH-04		20 A 2	23			1.50			0.90	24	-- --	--	--
--	--	-- --	25	1.50			1.50			26	2 20 A		ACCU-10
ACCU-07		15 A 2	27		1.25			1.50		28	-- --	--	--
--		-- --	29			1.25			0.26	30	2 20 A		FP HEAT TRACE #3 (30mA GFCI)
Spare		20 A 1	31	0.00			0.26			32	-- --	--	--
Spare		20 A 1	33		0.00			1.18		34	1 20 A		EF-08
U4 EAST ELEV PIT N RECEPT/LIGHT		20 A 1	35			0.61			0.53	36	1 20 A		EF-07
U4 CENTRAL ELEV PIT N...		20 A 1	37	0.61			0.24			38	1 20 A		RM U406 RECEPT/LIGHTING
RM U407 RECEPT/LIGHTING		20 A 1	39		0.24			0.61		40	1 20 A		U4 WEST ELEV PIT N RECEPT/LIGHT
U4 ACCESS CONTROL PANEL		20 A 1	41			0.25			0.18	42	1 20 A		RM U306 RECEPT.
U2 ACCESS CONTROL PANEL		20 A 1	43	0.25			0.40			44	1 20 A		U2 EAST GATE
U4 BAS CONTROL PANEL		20 A 1	45		0.20			0.25		46	1 20 A		U3 ACCESS CONTROL PANEL
U3 BAS CONTROL PANEL		20 A 1	47			0.20			0.25	48	1 20 A		U1 ACCESS CONTROL PANEL
U1 BAS CONTROL PANEL		20 A 1	49	0.20			0.20			50	1 20 A		U2 BAS CONTROL PANEL
RM U206 TELECOMMUNICATIONS...		20 A 1	51		0.18			0.00		52	1 20 A		Spare
Spare		20 A 1	53			0.00			0.00	54	1 20 A		Spare
Spare		20 A 1	55	0.00			0.00			56	1 20 A		Spare
Spare		20 A 1	57		0.00			0.00		58	1 20 A		Spare
Spare		20 A 1	59			0.00			0.00	60	1 20 A		Spare
Space	--	-- --	61	0.00			0.00			62	-- --	--	Space
Space	--	-- --	63		0.00			0.00		64	-- --	--	Space
Space	--	-- --	65			0.00			0.00	66	-- --	--	Space
Space	--	-- --	67	0.00			0.00			68	-- --	--	Space
Space	--	-- --	69		0.00			0.00		70	-- --	--	Space
Space	--	-- --	71			0.00			0.00	72	-- --	--	Space
Space	--	-- --	73	0.00			0.00			74	-- --	--	Space
Space	--	-- --	75		0.00			0.00		76	-- --	--	Space
Space	--	-- --	77			0.00			0.00	78	-- --	--	Space
Space	--	-- --	79	0.00			0.00			80	-- --	--	Space
Space	--	-- --	81		0.00			0.00		82	-- --	--	Space
Space	--	-- --	83			0.00			0.00	84	-- --	--	Space

TOTAL PHASE SUMMARY

	A	B	C
PHASE SUBTOTAL (kVA):	15.3...	15.0...	14.0...
PHASE SUBTOTAL (AMPS):	129 A	126 A	117 A

LOAD CLASSIFICATION	CONNECTED (KVA)	DEMAND FACTOR	DEMAND (KVA)
POWER	0.00 kVA	100%	0.00 kVA
LIGHTING	0.90 kVA	125%	1.12 kVA
MOTOR	39.57 kVA	125% LARGEST, 100% OTHER	40.32 kVA
RECEPTACLE	4.00 kVA	100% FIRST 10KVA, 50% OTHER	4.00 kVA
HEATING	0.00 kVA	125%	0.00 kVA
TOTAL LOAD	44.47 kVA		45.44 kVA
TOTAL AMPS	123 A		126 A

U1NPLD1

MAIN TYPE: MCB
MAIN RATING: 250 A
BUS RATING: 400 A
VOLTAGE: 120/208 Wye
3 PHASE 4 WIRE
MOUNTING: Surface
ENCLOSURE: Type 1
LOCATION: P1_T/ SLAB LEVEL U1,
FED FROM: 75 kVA, 277,...
SCCR: 10 kA
CALCULATED AVAILABLE FAULT...: 5 kA

REMARKS:

DESCRIPTION	BRKR NOTES	BRKR AMP, POLES	CKT NO	LEFT SIDE, kVA A	B	C	RIGHT SIDE, kVA A	B	C	CKT NO	BRKR AMP, POLES	BRKR NOTES	DESCRIPTION
U3NLPC1		100 A 3	1	3.76			0.00			2	1 20 A		Spare
--	--	-- --	3		3.42			2.91		4	2 30 A		ACCU-06
--	--	-- --	5			4.14			2.91	6	--	--	--
UH-06		15 A 1	7	0.53			1.65			8	1 25 A		DWH-2
ACCU-05		25 A 2	9		2.91			1.65		10	1 25 A		DWH-3
--	--	-- --	11			2.91			0.72	12	1 20 A		U2 DRIVE 1&2 WEST RECEPT.
U2 DRIVE 1&2 CENTER RECEPT.		20 A 1	13	0.36			0.54			14	1 20 A		U2 DRIVE 1&2 EAST RECEPT.
U2 WEST VEST PARKING RECEPT.		20 A 1	15		0.36			0.90		16	1 20 A		RM U205/U203/U208/U204 RECEPT.
RM U206 A.C. RECEPT.		20 A 1	17			0.36			0.54	18	1 20 A		RM U206 RECEPT.
RM U206 A.C. RECEPT.		20 A 1	19	0.36			0.54			20	1 20 A		RM U206 RECEPT.
RM U206 A.C. RECEPT.		20 A 1	21		0.36			0.54		22	1 20 A		U2 DRIVE 3 WEST RECEPT.
U2 DRIVE 3 EAST RECEPT.		20 A 1	23			0.36			0.36	24	1 20 A		RM U201/U202 RECEPT.
U2 EAST VEST PARKING RECEPT.		20 A 1	25	0.18			1.22			26	1 20 A		RM U210 RECEPT.
U1 DRIVE 1&2 WEST RECEPT.		20 A 1	27		0.36			0.72		28	1 20 A		U1 DRIVE 1&2 CENTER RECEPT.
U1 DRIVE 1&2 EAST RECEPT.		20 A 1	29			0.54			0.54	30	1 20 A		U1 WEST VEST PARKING RECEPT.
RM U105/U103/U106/U104/STAIR...		20 A 1	31	0.90			0.54			32	1 20 A		U1 DRIVE 3 WEST RECEPT.
U1 DRIVE 3 EAST RECEPT.		20 A 1	33		0.36			0.54		34	1 20 A		RM U102/U101/STAIR RECEPT.
U1 EAST VEST PARKING RECEPT.		20 A 1	35			0.36			0.00	36	1 20 A		Spare
Spare		20 A 1	37	0.00			0.00			38	1 20 A		Spare
Spare		20 A 1	39		0.00			0.00		40	1 20 A		Spare
Spare		20 A 1	41			0.00			0.00	42	1 20 A		Spare

TOTAL PHASE SUMMARY

	A	B	C
PHASE SUBTOTAL (kVA):	10.5...	15.0...	13.7...
PHASE SUBTOTAL (AMPS):	88 A	129 A	119 A

LOAD CLASSIFICATION	CONNECTED (KVA)	DEMAND FACTOR	DEMAND (KVA)
POWER	0.00 kVA	100%	0.00 kVA
LIGHTING	0.00 kVA	125%	0.00 kVA
MOTOR	16.53 kVA	125% LARGEST, 100% OTHER	17.99 kVA
RECEPTACLE	22.82 kVA	100% FIRST 10KVA, 50% OTHER	16.41 kVA
HEATING	0.00 kVA	125%	0.00 kVA
TOTAL LOAD	39.35 kVA		34.40 kVA
TOTAL AMPS	109 A		95 A

U0NSHA1

MAIN TYPE: MCB
MAIN RATING: 1600 A
BUS RATING: 1600 A
VOLTAGE: 480/277 Wye
3 PHASE 4 WIRE
MOUNTING: Floor
ENCLOSURE: Type 1
LOCATION: P1_T/ SLAB LEVEL U0,
FED FROM: Utility
SCCR: 42 kA
CALCULATED AVAILABLE FAULT...: 35 kA

REMARKS:

SPACE	DESCRIPTION	CONNECTED LOAD (kVA)	FRAME	TRIP	POLES	BRKR NOTES	NOTES
1	U0NPHA1	2.11 kVA	60 A	60 A	3		
2	U0NTHA1	28.73 kVA	150 A	150 A	3		
3	U1NDHD1	39.35 kVA	600 A	600 A	3		
4	U3NHPC1	1.22 kVA	60 A	60 A	3		
5	L1EAHB1	111.22 kVA	400 A	400 A	3		
6	L1LAHB1	292.20 kVA	600 A	600 A	3		
7	L1SAHB1	471.93 kVA	800 A	800 A	3		
8	Spare	0.00 kVA	--	100 A	3		
9	Spare	0.00 kVA	--	150 A	3		
10	Space	0.00 kVA	--	100 A	3		
11	Space	0.00 kVA	--	150 A	3		
12	Space	0.00 kVA	--	600 A	3		

LOAD CLASSIFICATION	CONNECTED (KVA)	DEMAND FACTOR	DEMAND (KVA)
POWER	0.00 kVA	100%	0.00 kVA
LIGHTING	26.60 kVA	125%	33.25 kVA
MOTOR	862.42 kVA	125% LARGEST, 100% OTHER	897.85 kVA
RECEPTACLES	55.19 kVA	100% FIRST 10KVA, 50% OTHER	32.60 kVA
HEATING	0.00 kVA	125%	0.00 kVA
TOTAL LOAD	947.21 kVA		963.69 kVA
TOTAL AMPS	1139 A		1159 A

U0EPHA1

MAIN TYPE: MLO
MAIN RATING: 60 A
BUS RATING: 60 A
VOLTAGE: 480/277 Wye
3 PHASE 4 WIRE
MOUNTING: Surface
ENCLOSURE: Type 1
LOCATION: P1_T/ SLAB LEVEL U0,
FED FROM: L1EDHB1
SCCR: 42 kA
CALCULATED AVAILABLE FAULT...: 35 kA

REMARKS:

DESCRIPTION	BRKR NOTES	BRKR AMP, POLES	CKT NO	LEFT SIDE, kVA A	B	C	RIGHT SIDE, kVA A	B	C	CKT NO	BRKR AMP, POLES	BRKR NOTES	DESCRIPTION
L2 EAST STAIR/CORRIDOR LIGHTING		20 A 1	1	0.70			0.42			2	1 20 A		L1 EAST STAIR/VEST/OFFICE...
L1 EAST ENTRANCE LIGHTING		20 A 1	3		0.29			0.68		4	1 20 A		L1 EAST ENTRANCE LIGHTING
L1 EAST ENTRANCE LIGHTING		20 A 1	5			0.63			0.07	6	1 20 A		L1 EXIT SIGNS
U1 EXIT SIGNS		20 A 1	7	0.07			0.05			8	1 20 A		U0 EXIT SIGNS
U0 EXIT SIGNS		20 A 1	9		0.07			0.00		10	1 20 A		Spare
Spare		20 A 1	11			0.00			0.00	12	1 20 A		Spare
Spare		20 A 1	13	0.00			0.00			14	1 20 A		Spare
Spare		20 A 1	15		0.00			0.00		16	1 20 A		Spare
Spare		20 A 1	17			0.00			0.00	18	1 20 A		Spare

TOTAL PHASE SUMMARY

	A	B	C
PHASE SUBTOTAL (kVA):	1.25...	1.04...	0.70...
PHASE SUBTOTAL (AMPS):	5 A	4 A	3 A

LOAD CLASSIFICATION	CONNECTED (KVA)	DEMAND FACTOR	DEMAND (KVA)
POWER	0.00 kVA	100%	0.00 kVA
LIGHTING	2.99 kVA	125%	3.73 kVA
MOTOR	0.00 kVA	125% LARGEST, 100% OTHER	0.00 kVA
RECEPTACLE	0.00 kVA	100% FIRST 10KVA, 50% OTHER	0.00 kVA
HEATING	0.00 kVA	125%	0.00 kVA
TOTAL LOAD	2.99 kVA		3.73 kVA
TOTAL AMPS	4 A		4 A

U0NPHA1

MAIN TYPE: MCB
MAIN RATING: 60 A
BUS RATING: 60 A
VOLTAGE: 480/277 Wye
3 PHASE 4 WIRE
MOUNTING: Surface
ENCLOSURE: Type 1
LOCATION: P1_T/ SLAB LEVEL U0,
FED FROM: U0NSHA1
SCCR: 42 kA
CALCULATED AVAILABLE FAULT...: 35 kA

REMARKS:

DESCRIPTION	BRKR NOTES	BRKR AMP, POLES	CKT NO	LEFT SIDE, kVA A	B	C	RIGHT SIDE, kVA A	B	C	CKT NO	BRKR AMP, POLES	BRKR NOTES	DESCRIPTION
U1 DRY VALVE RM LIGHTING		20 A 1	1	0.13			0.06			2	1 20 A		U0 DRY VALVE RM LIGHTING
L1 OFFICE LIGHTING		20 A 1	3		0.64			0.38		4	1 20 A		L2 BIKE PARKING LIGHTING
RM U002/U001/U001-1 LIGHTING		20 A 1	5			0.51			0.00	6	1 20 A		Spare
RM 0150-A LIGHTING		20 A 1	7	0.38			0.00			8	1 20 A		Spare
Spare		20 A 1	9		0.00			0.00		10	1 20 A		Spare
Spare		20 A 1	11			0.00			0.00	12	1 20 A		Spare
Space	--	-- --	13	0.00			0.00			14	-- --	--	Space
Space	--	-- --	15		0.00			0.00		16	-- --	--	Space
Space	--	-- --	17			0.00			0.00	18	-- --	--	Space

TOTAL PHASE SUMMARY

	A	B	C
PHASE SUBTOTAL (kVA):	0.58...	1.02...	0.51...
PHASE SUBTOTAL (AMPS):	2 A	4 A	2 A

LOAD CLASSIFICATION	CONNECTED (KVA)	DEMAND FACTOR	DEMAND (KVA)
POWER	0.00 kVA	100%	0.00 kVA
LIGHTING	2.11 kVA	125%	2.64 kVA
MOTOR	0.00 kVA	125% LARGEST, 100% OTHER	0.00 kVA
RECEPTACLE	0.00 kVA	100% FIRST 10KVA, 50% OTHER	0.00 kVA
HEATING	0.00 kVA	125%	0.00 kVA
TOTAL LOAD	2.11 kVA		2.64 kVA
TOTAL AMPS	3 A		3 A

U0NPLA1

MAIN TYPE: MCB
MAIN RATING: 250 A
BUS RATING: 400 A
VOLTAGE: 120/208 Wye
3 PHASE 4 WIRE
MOUNTING: Surface
ENCLOSURE: Type 1
LOCATION: P1_T/ SLAB LEVEL U0,
FED FROM: U0NTHA1
SCCR: 10 kA
CALCULATED AVAILABLE FAULT...: 5 kA

REMARKS: PROVIDE AS TWO TUB PANEL. PROVIDE FEED THROUGH LUGS TO SECOND TUB. PROVIDE 42 POLES IN EACH PANEL.

DESCRIPTION	BRKR NOTES	BRKR AMP, POLES	CKT NO	LEFT SIDE, kVA A	B	C	RIGHT SIDE, kVA A	B	C	CKT NO	BRKR AMP, POLES	BRKR NOTES	DESCRIPTION
P-02		15 A 1	1	0.53			0.54			2	1 20 A		PLANTER RECEPT.
P-01		15 A 1	3		0.53			0.53		4	1 15 A		P-03
PLANTER RECEPT.		20 A 1	5			0.18			1.50	6	2 15 A		ACCU-03
FH-01		15 A 3	7	0.44			1.50			8	-- --	--	--
--	--	-- --	9		0.44			0.86		10	1 15 A		GRH-01
--	--	-- --	11			0.44			1.65	12	1 25 A		DWH-1
ACCU-01		20 A 2	13	2.91						14			
--	--	-- --	15		2.91			0.86		16	1 15 A		GRH-03
RM 0103/0110/0104 AUTO DOORS		20 A 1	17			1.50			0.72	18	1 20 A		U0 DRIVE 1&2 WEST RECEPT.
GRH-02		15 A 1	19	0.86			0.54			20	1 20 A		U0 DRIVE 1&2 CENTER RECEPT.
GRH-04		15 A 1	21		0.86			0.36		22	1 20 A		U0 WEST VEST PARKING RECEPT.
U0 MOTORCYCLE PARKING RECEPT.		20 A 1	23			0.54			0.54	24	1 20 A		RM U005/U004/U003 RECEPT.
RM U009 WEST RECEPT.		20 A 1	25	0.36			0.18			26	1 20 A		RM U009 EAST RECEPT.
RM U011 RECEPT.		20 A 1	27		0.54			0.36		28	1 20 A		RM U002/U001/U001-1 RECEPT.
RM U006/U006-1		20 A 1	29			0.36			0.18	30	1 20 A		RM U008 RECEPT.
L1 CENTER STAIR/VEST RECEPT.		20 A 1	31	0.36			0.36			32	1 20 A		RM 0105/0105-A RECEPT.
EMERGENCY ELEC. TAP BOX		20 A 1	33		0.50			0.18		34	1 20 A		RM 0103-D MICORWAVE
RM 0103-D RECEPT.		20 A 1	35			0.18			0.18	36	1 20 A		RM 0103 FRIDGE RECEPT.
RM 0103-D SINK RECEPT.		20 A 1	37	0.18						38			
RM 0103-D BREAK RECEPT.		20 A 1	39		0.54					40			
RM 103 RECEPT.		20 A 1	41			0.36				42			
RM 0103-A/0103-B/0103-C RECEPT.		20 A 1	43	0.54			0.36			44	1 20 A		RM 0104/0101 RECEPT.
RM 0102/STAIR RECEPT.		20 A 1	45		0.36			0.00		46	1 20 A		Spare
RM 0205/0204 RECEPT.		20 A 1	47			0.72			0.00	48	1 20 A		Spare
RM 0103-D A.C. RECEPT.		20 A 1	49	0.18			0.00			50	1 20 A		Spare
Spare		20 A 1	51		0.00			0.00		52	1 20 A		Spare
Spare		20 A 1	53			0.00			0.00	54	1 20 A		Spare
Spare		20 A 1	55	0.00			0.00			56	1 20 A		Spare
Spare		20 A 1	57		0.00			0.00		58	1 20 A		Spare
Spare		20 A 1	59			0.00			0.00	60	1 20 A		Spare
Spare		20 A 1	61	0.00			0.00			62	1 20 A		Spare
Spare		20 A 1	63		0.00			0.00		64	-- --	--	Space
Space	--	-- --	65			0.00			0.00	66	-- --	--	Space
Space	--	-- --	67	0.00			0.00			68	-- --	--	Space
Space	--	-- --	69		0.00			0.00		70	-- --	--	Space
Space	--	-- --	71			0.00			0.00	72	-- --	--	Space
Space	--	-- --	73	0.00			0.00			74	-- --	--	Space
Space	--	-- --	75		0.00			0.00		76	-- --	--	Space
Space	--	-- --	77			0.00			0.00	78	-- --	--	Space
Space	--	-- --	79	0.00			0.00			80	-- --	--	Space
Space	--	-- --	81		0.00			0.00		82	-- --	--	Space
Space	--	-- --	83			0.00			0.00	84	-- --	--	Space

TOTAL PHASE SUMMARY

	A	B	C
PHASE SUBTOTAL (kVA):	9.84...	9.83...	9.05...
PHASE SUBTOTAL (AMPS):	83 A	83 A	75 A

LOAD CLASSIFICATION	CONNECTED (KVA)	DEMAND FACTOR	DEMAND (KVA)
POWER	0.00 kVA	100%	0.00 kVA
LIGHTING	0.00 kVA	125%	0.00 kVA
MOTOR	16.83 kVA	125% LARGEST, 100% OTHER	18.29 kVA
RECEPTACLE	11.90 kVA	100% FIRST 10KVA, 50% OTHER	10.95 kVA
HEATING	0.00 kVA	125%	0.00 kVA
TOTAL LOAD	28.73 kVA		29.24 kVA
TOTAL AMPS	80 A		81 A

FOR REFERENCE ONLY

General Notes

No.	Description	Date
9	BULLETIN #7	10/15/2018
8	BULLETIN #6	09/14/2018
7	BID DOCUMENTS	09/07/2017
6	ADDENDUM 2	07/28/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06

L1EDHB1

MAIN TYPE: MCB
MAIN RATING: 400 A
BUS RATING: 400 A
VOLTAGE: 480/277 Wye
3 PHASE 4 WIRE
MOUNTING: Surface
ENCLOSURE: Type 1
LOCATION: P1_T/ SLAB LEVEL 1 @...
FED FROM: L1EAHB1
SCCR: 42 kA
CALCULATED AVAILABLE FAULT...: 35 kA

REMARKS:

SPACE	DESCRIPTION	CONNECTED LOAD (kVA)	FRAME	TRIP	POLES	BRKR NOTES	NOTES
1	U0EPHA1	2.95 kVA	60 A	60 A	3		
2	U3EPHC1	8.63 kVA	100 A	100 A	3		
3	L1EPHB1	13.29 kVA	225 A	150 A	3		
4	SF-05	43.23 kVA	90 A	90 A	3		
5	EF-05	43.23 kVA	90 A	90 A	3		
6	Spare	0.00 kVA	--	100 A	3		
7	Spare	0.00 kVA	--	225 A	3		
8	Space	0.00 kVA	--	100 A	3		
9	Space	0.00 kVA	--	100 A	3		
10	Space	0.00 kVA	--	225 A	3		
11	Space	0.00 kVA	--	225 A	3		
12	Space	0.00 kVA	--	225 A	3		

LOAD CLASSIFICATION	CONNECTED (KVA)	DEMAND FACTOR	DEMAND (KVA)
POWER	0.00 kVA	100%	0.00 kVA
LIGHTING	21.74 kVA	125%	27.17 kVA
MOTOR	86.46 kVA	125% LARGEST, 100% OTHER	97.27 kVA
RECEPTACLES	3.40 kVA	100% FIRST 10KVA, 50% OTHER	3.40 kVA
HEATING	0.00 kVA	125%	0.00 kVA
TOTAL LOAD	111.60 kVA		127.84 kVA
TOTAL AMPS	134 A		154 A

L1EPHB1

MAIN TYPE: MLO
MAIN RATING: 150 A
BUS RATING: 225 A
VOLTAGE: 480/277 Wye
3 PHASE 4 WIRE
MOUNTING: Surface
ENCLOSURE: Type 1
LOCATION: P1_T/ SLAB LEVEL 1 @ WILSON,
FED FROM: L1EDHB1
SCCR: 42 kA
CALCULATED AVAILABLE FAULT...: 35 kA

REMARKS: PROVIDE INTEGRAL SURGE PROTECTIVE DEVICE

LEFT SIDE, kVA						RIGHT SIDE, kVA							
DESCRIPTION	BRKR NOTES	BRKR AMP, POLES	CKT NO	A	B	C	A	B	C	CKT NO	BRKR AMP, POLES	BRKR NOTES	DESCRIPTION
U1 DRIVE 1 LIGHTING		20 A 1	1	0.20			0.20			2	1 20 A		U1 DRIVE 1 LIGHTING
U1 DRIVE 2 LIGHTING		20 A 1	3		0.36			0.32		4	1 20 A		U1 DRIVE 2 LIGHTING
U1 DRIVE 3 LIGHTING		20 A 1	5			0.40			0.28	6	1 20 A		U1 DRIVE 3 LIGHTING
U1 WEST STAIR/VEST/ELEC		20 A 1	7	0.51			0.26			8	1 20 A		L0 EAST STAIR/VEST
U0 DRIVE 1 LIGHTING		20 A 1	9		0.36			0.36		10	1 20 A		U0 DRIVE 1 LIGHTING
U0 DRIVE 2 LIGHTING		20 A 1	11			0.28			0.24	12	1 20 A		U0 DRIVE 2 LIGHTING
U0 DRIVE 3 LIGHTING		20 A 1	13	0.28			0.24			14	1 20 A		U0 DRIVE 3 LIGHTING
U0 WEST STAIR/VEST		20 A 1	15		0.38			0.65		16	1 20 A		U0 WATER SERVICE/STAIR LIGHTING
U0 PUMP ROOM/ NETPOP LIGHTING		20 A 1	17			0.51			1.02	18	1 20 A		U0 MAIN ELEC LIGHTING
L1 WEST RAMP LIGHTING		20 A 1	19	0.36			0.12			20	1 20 A		L1 WEST RAMP LIGHTING
L1 WEST STAIR/VEST		20 A 1	21		0.26			0.58		22	1 20 A		L1 GEN RM/ EMER ELEC RM LIGHTING
L2 WEST ENTR LIGHTING		20 A 1	23			0.40			0.24	24	1 20 A		L2 WEST ENTR LIGHTING
L2 WEST VEST/CORRIDOR/STORAG...		20 A 1	25	0.77			0.06			26	1 20 A		L1 EXIT SIGNS
L2 BICYCLE CENTER LIGHTING		20 A 1	27		0.35			0.00		28	1 20 A		Spare
L2 EXIT SIGNS		20 A 1	29			0.05			0.00	30	1 20 A		Spare
Spare		20 A 1	31	0.00			0.00			32	1 20 A		Spare
Spare		20 A 1	33		0.00			0.00		34	1 20 A		Spare
Spare		20 A 1	35			0.00			0.00	36	1 20 A		Spare
Spare		20 A 1	37	0.00			1.20			38	3 45 A		L1ETHB1
Spare		20 A 1	39		0.00			1.20		40	-- --	--	--
Spare		20 A 1	41			0.00			1.00	42	-- --	--	--

TOTAL PHASE SUMMARY	A	B	C
PHASE SUBTOTAL (kVA):	4.20...	4.82...	4.42...
PHASE SUBTOTAL (AMPS):	15 A	18 A	16 A

LOAD CLASSIFICATION	CONNECTED (KVA)	DEMAND FACTOR	DEMAND (KVA)
POWER	0.00 kVA	100%	0.00 kVA
LIGHTING	10.05 kVA	125%	12.56 kVA
MOTOR	0.00 kVA	125% LARGEST, 100% OTHER	0.00 kVA
RECEPTACLE	3.40 kVA	100% FIRST 10KVA, 50% OTHER	3.40 kVA
HEATING	0.00 kVA	125%	0.00 kVA
TOTAL LOAD	13.45 kVA		15.96 kVA
TOTAL AMPS	16 A		19 A

L1LDHB1

MAIN TYPE: MCB
MAIN RATING: 600 A
BUS RATING: 600 A
VOLTAGE: 480/277 Wye
3 PHASE 4 WI...
MOUNTING: Surface
ENCLOSURE: Type 1
LOCATION: P1_T/ SLAB LEVEL 1 @ WILSON,
FED FROM: L1LAHB1
SCCR: 42 kA
CALCULATED AVAILABLE FAULT...: 35 kA

REMARKS: PROVIDE WITH CIRCUIT BREAKER TO SERVE EXTERNAL SURGE PROTECTIVE DEVICE

SPACE	DESCRIPTION	CONNECTED LOAD (kVA)	FRAME	TRIP	POLES	BRKR NOTES	NOTES
1	L1LTHB1	10.50 kVA	80 A	80 A	3		
2	U3LPHC1	12.64 kVA	60 A	60 A	3		
3	ELEV PK1	33.26 kVA	90 A	90 A	3		
4	ELEV PK2	33.26 kVA	90 A	90 A	3		
5	ELEV PK3	33.26 kVA	90 A	90 A	3		
6	ELEV PK4	33.26 kVA	90 A	90 A	3		
7	FP-01	129.70 kVA	225 A	225 A	3		
8	JP-01	6.32 kVA	20 A	20 A	3		
9	Spare	0.00 kVA	--	80 A	3		
10	Spare	0.00 kVA	--	90 A	3		
11	Spare	0.00 kVA	--	100 A	3		
12	Space	0.00 kVA	--	80 A	3		
13	Space	0.00 kVA	--	90 A	3		
14	Space	0.00 kVA	--	100 A	3		
15	Space	0.00 kVA	--	100 A	3		
16	Space	0.00 kVA	--	100 A	3		
17	Space	0.00 kVA	--	225 A	3		

LOAD CLASSIFICATION	CONNECTED (KVA)	DEMAND FACTOR	DEMAND (KVA)
POWER	0.00 kVA	100%	0.00 kVA
LIGHTING	0.00 kVA	125%	0.00 kVA
MOTOR	290.24 kVA	125% LARGEST, 100% OTHER	322.67 kVA
RECEPTACLES	1.96 kVA	100% FIRST 10KVA, 50% OTHER	1.96 kVA
HEATING	0.00 kVA	125%	0.00 kVA
TOTAL LOAD	292.20 kVA		324.63 kVA
TOTAL AMPS	351 A		390 A

L1SDHB1

MAIN TYPE: MCB
MAIN RATING: 800 A
BUS RATING: 800 A
VOLTAGE: 480/277 Wye
3 PHASE 4 WIRE
MOUNTING: Surface
ENCLOSURE: Type 1
LOCATION: P1_T/ SLAB LEVEL 1 @...
SCCR: 42 kA
CALCULATED AVAILABLE FAULT...: 35 kA

REMARKS: PROVIDE WITH CIRCUIT BREAKER TO SERVE EXTERNAL SURGE PROTECTIVE DEVICE

SPACE	DESCRIPTION	Load	FRAME	TRIP	POLES	BRKR NOTES	NOTES
1	L1STHB1	86.33 kVA	225 A	150 A	3		
2	U1SDHD1	94.62 kVA	400 A	400 A	3		
3	IF-39	2.49 kVA	15 A	15 A	3		
4	IF-40	2.49 kVA	15 A	15 A	3		
5	IF-41	2.49 kVA	15 A	15 A	3		
6	IF-42	2.49 kVA	15 A	15 A	3		
7	IF-43	2.49 kVA	15 A	15 A	3		
8	IF-44	2.49 kVA	15 A	15 A	3		
9	IF-45	2.49 kVA	15 A	15 A	3		
10	IF-46	2.49 kVA	15 A	15 A	3		
11	IF-47	2.49 kVA	15 A	15 A	3		
12	IF-48	2.49 kVA	15 A	15 A	3		
13	EF-01	33.26 kVA	90 A	90 A	3		
14	EF-02	33.26 kVA	90 A	90 A	3		
15	EF-03	33.26 kVA	90 A	90 A	3		
16	EF-04	33.26 kVA	90 A	90 A	3		
17	SF-03	33.26 kVA	90 A	90 A	3		
18	SF-04	33.26 kVA	90 A	90 A	3		
19	SF-01	33.26 kVA	90 A	90 A	3		
20	SF-02	33.26 kVA	90 A	90 A	3		
21	Spare	0.00 kVA	--	150 A	3		
22	Spare	0.00 kVA	--	90 A	3		
23	Spare	0.00 kVA	--	90 A	3		
24	Spare	0.00 kVA	--	15 A	3		
25	Spare	0.00 kVA	--	15 A	3		
26	Spare	0.00 kVA	--	15 A	3		
27	Space	0.00 kVA	--	150 A	3		
28	Space	0.00 kVA	--	90 A	3		
29	Space	0.00 kVA	--	90 A	3		
30	Space	0.00 kVA	--	15 A	3		
31	Space	0.00 kVA	--	15 A	3		
32	Space	0.00 kVA	--	15 A	3		

LOAD CLASSIFICATION	CONNECTED (KVA)	DEMAND FACTOR	DEMAND (KVA)
POWER	0.00 kVA	100%	0.00 kVA
LIGHTING	1.54 kVA	125%	1.92 kVA
MOTOR	455.36 kVA	125% LARGEST, 100% OTHER	463.68 kVA
RECEPTACLES	15.11 kVA	100% FIRST 10KVA, 50% OTHER	12.56 kVA
HEATING	0.00 kVA	125%	0.00 kVA
TOTAL LOAD	472.01 kVA		478.15 kVA
TOTAL AMPS	568 A		575 A

L1EPLB1

MAIN TYPE: MCB
MAIN RATING: 100 A
BUS RATING: 100 A
VOLTAGE: 120/208 Wye
3 PHASE 4 WIRE
MOUNTING: Surface
ENCLOSURE: Type 1
LOCATION: P1_T/ SLAB LEVEL 1 @ WILSON,
FED FROM: L1ETHB1
SCCR: 10 kA
CALCULATED AVAILABLE FAULT...: 5 kA

REMARKS: PROVIDE INTEGRAL SURGE PROTECTIVE DEVICE

LEFT SIDE, kVA						RIGHT SIDE, kVA							
DESCRIPTION	BRKR NOTES	BRKR AMP, POLES	CKT NO	A	B	C	A	B	C	CKT NO	BRKR AMP, POLES	BRKR NOTES	DESCRIPTION
U306 FIRE ALARM EQUIPMENT		20 A 1	1	0.20			0.50			2	1 20 A		U001 EMER RESPONDER RADIO SYS
Spare		20 A 1	3		0.00			0.20		4	1 20 A		U106 FIRE ALARM EQUIPMENT
Spare		20 A 1	5			0.00			0.50	6	1 20 A		0105-A FIRE ALARM EQUIPMENT
Spare		20 A 1	7	0.00			0.50			8	1 20 A		0105 DAY TANK
0103 FIRE ALARM CONTROL PANEL		20 A 1	9		0.50			0.50		10	1 15 A		L2 FUEL FILL STATION CONTROL...
0105 MECH CONTROL PANEL		20 A 1	11			0.50			0.00	12	1 20 A		Spare
Spare		20 A 1	13	0.00			0.00			14	1 20 A		Spare
Spare		20 A 1	15		0.00			0.00		16	1 20 A		Spare
Spare		20 A 1	17			0.00			0.00	18	1 20 A		Spare

TOTAL PHASE SUMMARY	A	B	C
PHASE SUBTOTAL (kVA):	1.20...	1.20...	1.00...
PHASE SUBTOTAL (AMPS):	10 A	10 A	8 A

LOAD CLASSIFICATION	CONNECTED (KVA)	DEMAND FACTOR	DEMAND (KVA)
POWER	0.00 kVA	100%	0.00 kVA
LIGHTING	0.00 kVA	125%	0.00 kVA
MOTOR	0.00 kVA	125% LARGEST, 100% OTHER	0.00 kVA
RECEPTACLE	3.40 kVA	100% FIRST 10KVA, 50% OTHER	3.40 kVA
HEATING	0.00 kVA	125%	0.00 kVA
TOTAL LOAD	3.40 kVA		3.40 kVA
TOTAL AMPS	9 A		9 A

L1LPLB1

MAIN TYPE: MCB
MAIN RATING: 150 A
BUS RATING: 225 A
VOLTAGE: 120/208 Wye
3 PHASE 4 WIRE
MOUNTING: Surface
ENCLOSURE: Type 1
LOCATION: P1_T/ SLAB LEVEL 1 @ WILSON,
FED FROM: L1LTHB1
SCCR: 10 kA
CALCULATED AVAILABLE FAULT...: 5 kA

REMARKS:

LEFT SIDE, kVA						RIGHT SIDE, kVA							
DESCRIPTION	BRKR NOTES	BRKR AMP, POLES	CKT NO	A	B	C	A	B	C	CKT NO	BRKR AMP, POLES	BRKR NOTES	DESCRIPTION
U3LPLC1		60 A 3	1	1.98			0.18			2	1 20 A		RM U106 RECEPT.
--	--	-- --	3		1.58			1.25		4	2 25 A		ACCU-09
--	--	-- --	5			1.58			1.25	6	-- --	--	--
ACCU-08		15 A 2	7	1.25			0.18			8	1 20 A		RM U001 ERRCS
	--	-- --	9		1.25			0.00		10	1 20 A		Spare
Spare		20 A 1	11			0.00			0.00	12	1 20 A		Spare
Spare		20 A 1	13	0.00			0.00			14	1 20 A		Spare
Spare		20 A 1	15		0.00			0.00		16	1 20 A		Spare
Spare		20 A 1	17			0.00			0.00	18	1 20 A		Spare
Spare		20 A 1	19	0.00			0.00			20	1 20 A		Spare
Spare		20 A 1	21		0.00			0.00		22	1 20 A		Spare
Spare		20 A 1	23			0.00			0.00	24	1 20 A		Spare

TOTAL PHASE SUMMARY	A	B	C
PHASE SUBTOTAL (kVA):	3.59...	4.08...	2.83...
PHASE SUBTOTAL (AMPS):	31 A	35 A	24 A

LOAD CLASSIFICATION	CONNECTED (KVA)	DEMAND FACTOR	DEMAND (KVA)
POWER	0.00 kVA	100%	0.00 kVA
LIGHTING	0.00 kVA	125%	0.00 kVA
MOTOR	8.54 kVA	125% LARGEST, 100% OTHER	9.17 kVA
RECEPTACLE	1.96 kVA	100% FIRST 10KVA, 50% OTHER	1.96 kVA
HEATING	0.00 kVA	125%	0.00 kVA
TOTAL LOAD	10.50 kVA		11.13 kVA
TOTAL AMPS	29 A		31 A

L1SPLB1

MAIN TYPE: MCB
MAIN RATING: 400 A
BUS RATING: 400 A
VOLTAGE: 120/208 Wye
3 PHASE 4 WIRE
MOUNTING: Surface
ENCLOSURE: Type 1
LOCATION: P1_T/ SLAB LEVEL 1 @ WILSON,
FED FROM: L1STHB1
SCCR: 22 kA
CALCULATED AVAILABLE FAULT...: 15 kA

REMARKS: PROVIDE AS TWO TUB PANEL. PROVIDE FEED THROUGH LUGS TO SECOND TUB. PROVIDE 42 POLES IN EACH PANEL.

LEFT SIDE, kVA						RIGHT SIDE, kVA							
DESCRIPTION	BRKR NOTES	BRKR AMP, POLES	CKT NO	A	B	C	A	B	C	CKT NO	BRKR AMP, POLES	BRKR NOTES	DESCRIPTION
U1SPLD1		225 A 3	1	15.35			0.00			2	2 20 A		GENERATOR PANELBOARD
--	--	-- --	3		15.00			0.00		4	-- --	--	--
--	--	-- --	5			14.06			1.50	6	2 20 A		UH-08
UH-07		20 A 2	7	1.50			1.50			8	-- --	--	--
	--	-- --	9		1.50			3.75		10	2 20 A		UH-03
HEAT TRACE #5 (30mA GFCI)		15 A 1	11			0.25			3.75	12	-- --	--	--
HEAT TRACE #7 (30mA GFCI)		20 A 2	13	1.10			0.08			14	1 15 A		HEAT TRACE #6 (30mA GFCI)
	--	-- --	15		1.10			0.30		16	1 15 A		UH-02
UH-01		20 A 1	17			0.53			1.50	18	2 30 A		ACCU-02
HEAT TRACE #4 (30ma GFCI)		15 A 1	19	0.36			1.50			20	-- --	--	--
HEAT TRACE #8 (30mA GFCI)		15 A 1	21		0.05			1.25		22	2 20 A		ACCU-04
FP HEAT TRACE #4 (30mA GFCI)		20 A 2	23			0.32			1.25	24	-- --	--	--
	--	-- --	25	0.32			1.18			26	1 20 A		EF-06
HEAT TRACE #9 (30mA GFCI)		15 A 1	27		0.20			0.00		28	1 20 A		Spare
Spare		20 A 1	29			0.00			0.00	30	1 20 A		Spare
SF-06		20 A 1	31	0.00			0.00			32	1 20 A		Spare
U0 DRIVE 2 SIGNS		20 A 1	33		0.80			0.00		34	1 20 A		Spare
U0 RM U008 ELEV. PIT RECEPT.		20 A 1	35			0.30			0.00	36	1 20 A		SF-07
RM U006/U006-1 RECEPT.		20 A 1	37	0.36			1.66			38	1 20 A		SF-08
U0 SECURITY PANEL		20 A 1	39		0.50			0.40		40	1 20 A		U0 DRIVE 3 SIGN
RM 0105/0105-A RECEPT.		20 A 1	41			0.72			0.20	42	1 20 A		WILSON ENTRY GATE POWER
WILSON ENTRY GATE POWER		20 A 1	43	0.20			0.21			44	1 20 A		WILSON ENTRY SIGNAGE
L1 MIDDLE GATE POWER		20 A 1	45		0.20			0.40		46	1 20 A		RM 0101 PARKING PAYMENT
RM 0101 PARKING PAYMENT		20 A 1	47			0.40			0.09	48	1 20 A		DOTY ENTRANCE SIGNAGE
RM 0205 PARKING PAYMENT		20 A 1	49	0.40			0.40			50	1 20 A		RM 0205 PARKING PAYMENT
DOTY ENTRY GATE POWER		20 A 1	51		0.20			0.43		52	1 20 A		L2 WEST ELEV. N RECEPT.
ACCU-11		20 A 2	53			1.87			0.43	54	1 20 A		L2 EAST ELEV. N RECEPT.
	--	-- --	55	1.87			0.25			56	1 20 A		U0 ACCESS CONTROL PANEL
L2 ACCESS CONTROL PANEL		20 A 1	57		0.50			0.50		58	1 20 A		L1 ACCESS CONTROL PANEL
RM U001 RECEPT.		20 A 1	59			0.72			0.72	60	1 20 A		RM U001 RECEPT
U0 BAS CONTROL PANEL		20 A 1	61	0.20			0.36			62	1 20 A		RM 0103 SECURITY MONITORS
RM 0103 SECURITY MONITORS		20 A 1	63		0.36			0.18		64	1 20 A		RM 103 SECURITY EQUIPMENT...
U0 MOTORCYCLE PARKING PAYMENT		20 A 1	65			0.80			0.50	66	1 20 A		L1 BAS BUILDING CONTROL PANEL
Spare		20 A 1	67	0.00			0.00			68	1 20 A		Spare
Spare		20 A 1	69		0.00			0.00		70	1 20 A		Spare
Spare		20 A 1	71			0.00			0.00	72	1 20 A		Spare
Spare		20 A 1	73	0.00			0.00			74	1 20 A		Spare
Spare		20 A 1	75		0.00			0.00		76	1 20 A		Spare
Spare		20 A 1	77			0.00			0.00	78	1 20 A		Spare
Spare		20 A 1	79	0.00			0.00			80	1 20 A		Spare
Spare		20 A 1	81		0.00			0.00		82	1 20 A		Spare
Spare		20 A 1	83			0.00			0.00	84	1 20 A		Spare

TOTAL PHASE SUMMARY	A	B	C
PHASE SUBTOTAL (kVA):	28.8...	27.6...	29.9...
PHASE SUBTOTAL (AMPS):	242 A	230 A	251 A

LOAD CLASSIFICATION	CONNECTED (KVA)	DEMAND FACTOR	DEMAND (KVA)
POWER	0.00 kVA	100%	0.00 kVA
LIGHTING	1.54 kVA	125%	1.92 kVA
MOTOR	69.76 kVA	125% LARGEST, 100% OTHER	71.64 kVA
RECEPTACLE	15.11 kVA	100% FIRST 10KVA, 50% OTHER	12.56 kVA
HEATING	0.00 kVA	125%	0.00 kVA
TOTAL LOAD	86.41 kVA		86.11 kVA
TOTAL AMPS	240 A		239 A

FOR REFERENCE ONLY

General Notes

No.	Description	Date
8	BULLETIN #7	10/15/2018
7	BULLETIN #6	09/14/2018
6	BID DOCUMENTS	09/07/2017
5	ADDENDUM 2	07/28/2017
4	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
3	ISSUED FOR FINAL BID	06/23/2017
2	ISSUED FOR BID	06/16/2017
1	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017

JUDGE DOYLE SQUARE - BLOCK 88

NEW MUNICIPAL PARKING FACILITY

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE PLANNING LANDSCAPE ARCHITECTURE URBAN DESIGN

Drawing Title

ELECTRICAL PANEL SCHEDULES

Drawn	Date
Author	10/15/2018 10:24:23 AM
Checked By	Drawing Number
Checker	E-605
Approved	
Approver	
Job Number	
215-1051	

TRUE NORTH / PROJECT NORTH

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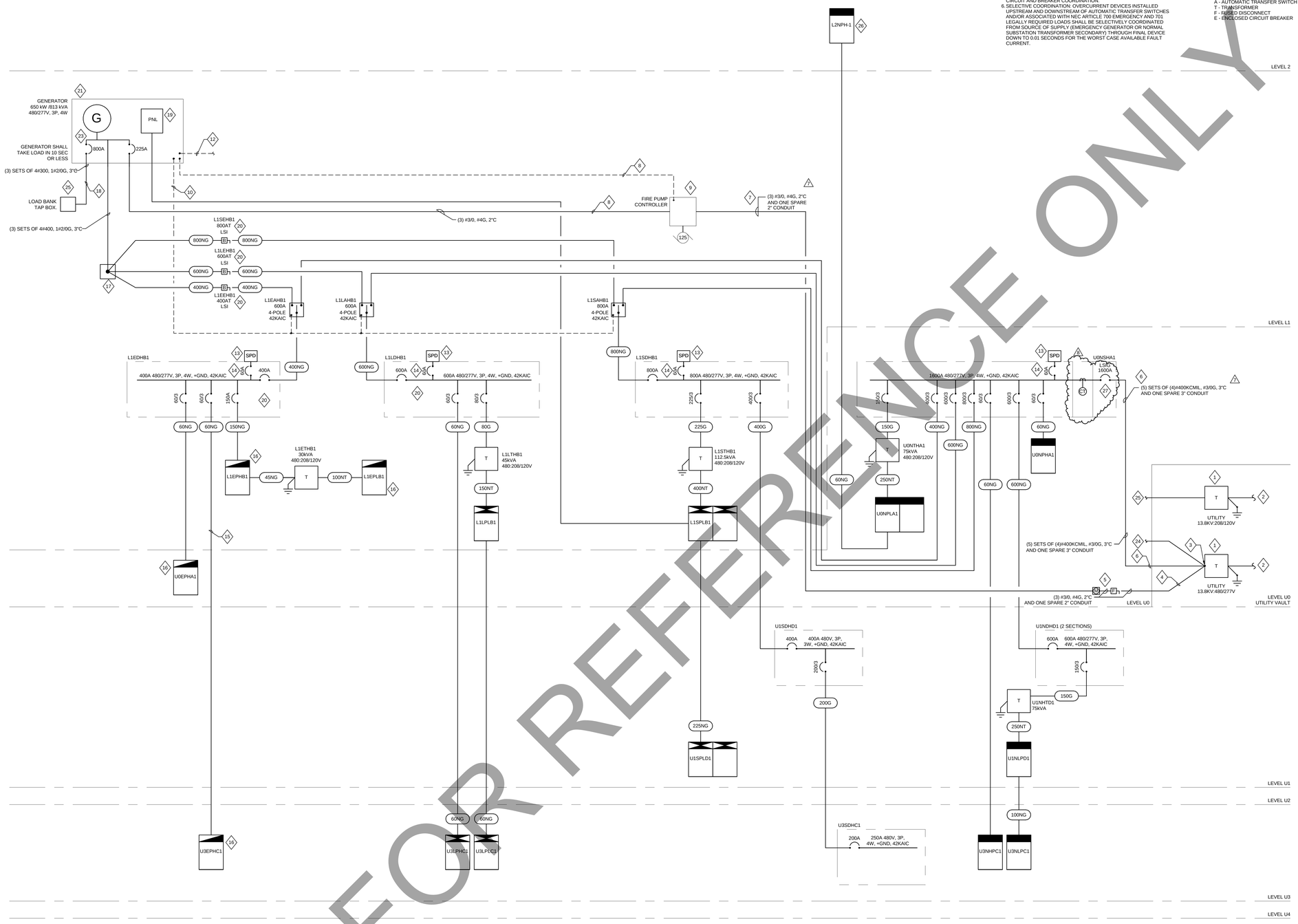

GENERAL NOTES

1. REFER TO SHEET E-600 FOR WIRING SCHEDULES.
2. CIRCUIT BREAKERS SHOWN WITH 800A TRIP AND GREATER SHALL BE U.L. LISTED FOR APPLICATIONS AT 100% OF THEIR CONTINUOUS AMPERE RATING IN THEIR INTENDED ENCLOSURE.
3. PROVIDE BREAKERS AS REQUIRED TO PROVIDE SELECTIVE COORDINATION OF ALL NATIONAL ELECTRICAL CODE (NEC) SECTION 700 OVERCURRENT PROTECTIVE DEVICES FROM THE GENERATOR THROUGH THE FINAL DOWNSTREAM DEVICES.
4. REFER TO GROUNDING RISER ON SHEET E-701 FOR MORE INFORMATION.
5. THE DRAWINGS AND SPECIFICATIONS INDICATE THE GENERAL REQUIREMENTS FOR THE ELECTRICAL EQUIPMENT BEING PROVIDED. UPGRADE AND MODIFICATION TO EQUIPMENT CHARACTERISTICS AND RATINGS WILL BE FINALIZED BY THE RESULTS OF THE POWER SYSTEM STUDIES (SHORT CIRCUIT AND OVERCURRENT PROTECTIVE DEVICE STUDIES) AT NO ADDITIONAL COST TO THE OWNER. FIELD SETTINGS OF DEVICES AND ADJUSTMENTS TO THE NEW EQUIPMENT TO ACCOMPLISH CONFORMANCE WITH THE ACCEPTED POWER SYSTEM STUDIES, SHALL BE CARRIED OUT BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. ANY PROPOSED DEVIATIONS FROM THE SYSTEM INDICATED ON THE DRAWINGS AND SPECIFICATIONS SHALL INCLUDE DEMONSTRATION OF SHORT CIRCUIT AND BREAKER COORDINATION.
6. SELECTIVE COORDINATION OVERCURRENT DEVICES INSTALLED UPSTREAM AND DOWNSTREAM OF AUTOMATIC TRANSFER SWITCHES AND/OR ASSOCIATED WITH NEC ARTICLE 700 EMERGENCY AND 701 LEGALLY REQUIRED LOADS SHALL BE SELECTIVELY COORDINATED FROM SOURCE OF SUPPLY (EMERGENCY GENERATOR OR NORMAL SUBSTATION TRANSFORMER SECONDARY) THROUGH FINAL DEVICE DOWN TO 0.01 SECONDS FOR THE WORST CASE AVAILABLE FAULT CURRENT.

EQUIPMENT DESIGNATION CODE

L1NPLA2

FLOOR
L2 - LEVEL 2
L1 - LEVEL 1
U0 - LEVEL U0
U1 - LEVEL U1
U2 - LEVEL U2
U3 - LEVEL U3
U4 - LEVEL U4

APPLICATION
N - NORMAL BRANCH
E - EMERGENCY BRANCH
L - LEGALLY REQUIRED
S - OPTIONAL STANDBY

EQUIPMENT
S - SWITCHBOARD
D - DISTRIBUTION PANEL
P - BRANCH CIRCUIT PANELBOARD
A - AUTOMATIC TRANSFER SWITCH
T - TRANSFORMER
F - FUSED DISCONNECT
E - ENCLOSED CIRCUIT BREAKER

PANEL
1
2
3
4
— ETC

AREA
A - MAIN ELECTRICAL ROOM U006
B - EMERGENCY ELECTRICAL ROOM 0105-A
C - LEVEL U3 ELECTRICAL ROOM U306
D - LEVEL U1 ELECTRICAL ROOM U106

VOLTAGE
H - 480V, 480Y/277V
L - 240V, 208Y/120V

SHEET KEY NOTES

1. PAIR OF UTILITY TRANSFORMERS PROVIDED BY BY THE UTILITY. COORDINATE EXACT SIZE AND LOCATION OF TRANSFORMER WITH UTILITY. COORDINATE PAD LOCATIONS AND SIZES WITH UTILITY PRIOR TO CONSTRUCTION.
2. SERVICE FEEDER FROM UTILITY TO UTILITY VAULT AND TO UTILITY PROVIDED TRANSFORMER TO BE PROVIDED BY UTILITY.
3. UTILITY WILL TERMINATE FIRE PUMP SERVICE CONDUCTORS ON UTILITY PROVIDED SECONDARY COLLECTOR BUS.
4. ROUTE FIRE PUMP SERVICE CONDUITS FROM UTILITY VAULT TO FIRE PUMP ROOM. CONDUITS SHALL BE CONCRETE ENCASED WHEN ROUTED OUTSIDE OF THE VAULT AND OUTSIDE OF FIRE PUMP ROOM. COORDINATE LOCATION OF UTILITY TRANSFORMER SECONDARY COLLECTOR BUS WITH UTILITY PRIOR TO ROUGH IN. COORDINATE CONCRETE ENCASED DUCTBANK WITH OTHER TRADES. CONDUCTORS SHALL BE OF SUFFICIENT LENGTH TO ALLOW UTILITY TO APPROPRIATELY TERMINATE CONDUCTORS. COORDINATE EXACT LOCATION OF CONDUCTORS AND LENGTH OF CONDUCTORS WITH UTILITY PRIOR TO INSTALL. REFER TO SHEET E-110.5 FOR ROUTING.
5. 1000A OVERCURRENT PROTECTIVE DEVICE PROVIDED BY THE CONTRACTOR. METER PROVIDED BY THE UTILITY. LOCATE OVERCURRENT PROTECTIVE DEVICE AND METER IN WATER SERVICE / FIRE PUMP ROOM U011. SEE SHEET E-110.5 FOR LOCATIONS. COORDINATE WITH EQUIPMENT IN ROOM AND FIRE PROTECTION CONTRACTOR.
6. ROUTE SERVICE CONDUITS FROM UTILITY VAULT TO MAIN ELECTRICAL ROOM U006. CONDUITS SHALL BE CONCRETE ENCASED WHEN ROUTED OUTSIDE OF THE VAULT AND TO WITHIN A MAXIUM OF 8' FINAL CONNECTION TO EQUIPMENT. COORDINATE LOCATION OF UTILITY TRANSFORMER SECONDARY COLLECTOR BUS WITH UTILITY PRIOR TO ROUGH IN. CONDUCTORS SHALL BE OF SUFFICIENT LENGTH TO ALLOW UTILITY TO APPROPRIATELY TERMINATE CONDUCTORS. COORDINATE EXACT LOCATION OF CONDUCTORS AND LENGTH OF CONDUCTORS WITH UTILITY PRIOR TO INSTALL. COORDINATE CONCRETE ENCASED DUCTBANK WITH OTHER TRADES. REFER TO SHEET E-110.5 FOR ROUTING. REFER TO SHEET E-501 FOR DUCTBANK PROFILE AND MORE INFORMATION.
7. FIRE PUMPS SERVICE CONDUITS SHALL BE CONCRETE ENCASED WITH A MINIMUM OF 2 INCHES OF CONCRETE FROM WHEN THE CONDUITS LEAVE THE UTILITY VAULT UNTIL THEY ENTER THE FIRE PUMP ROOM.
8. FIRE PUMP SUPPLY (FEEDER) CONDUCTORS AND CONTROL WIRING FROM FIRE PUMP TRANSFER SWITCH IN FIRE PUMP ROOM EACH SHALL BE KEPT ENTIRELY INDEPENDENT OF ALL OTHER WIRING AND SHALL BE PROTECTED FROM FIRE BY ONE OF THE TWO FOLLOWING OPTIONS WHEN RUN OUTSIDE OF THE FIRE PUMP ROOM AND RATED EMERGENCY ELECTRICAL ROOM / GENERATOR ROOM.

   OPTION 1: UTILIZE A UL LISTED 2-HOUR RESISTIVE CABLE OR CABLE SYSTEM. REFER TO SPECIFICATION 260513 FOR ACCEPTABLE PRODUCTS.

   OPTION 2: SHALL BE ENCASED IN A MINIMUM OF 2" OF CONCRETE. CONDUIT SHALL NOT BE INSTALLED IN CONCRETE BUILDING STRUCTURE.
9. FIRE PUMP ATS / CONTROLLER PROVIDED WITH FIRE PUMP ELECTRICAL CONTRACTOR SHALL INSTALL ELECTRICAL POWER AND CONTROL CABLING TO AND FROM FIRE PUMP ATS / CONTROLLER. FIRE PUMP ATS / CONTROLLER CONTROL CABLING BETWEEN FIRE PUMP ATS / CONTROLLER AND GENERATOR SHALL SIGNAL GENERATOR TO START UPON LOSS OF NORMAL POWER.
10. GENERATOR START CABLING FROM EACH ATS LOCATED IN EMERGENCY ELECTRICAL ROOM TO PARKING STRUCTURE GENERATOR SHALL BE ROUTED IN CONDUIT.
11. PROVIDE SEPARATE 1" CONDUIT AND (4#12) FROM ATS TO EACH PARKING STRUCTURE ELEVATOR CONTROL ROOM FOR ELEVATOR PRE-TRANSFER SIGNALS. ONE CONTROL ROOM FOR ELEVATORS PK1 AND PK2 AND ONE CONTROL ROOM FOR ELEVATORS PK3 AND PK4. COORDINATE ELEVATOR CONTROLLER LOCATIONS AND CONFIRM CABLING REQUIREMENTS WITH ELEVATOR CONTRACTOR PRIOR TO INSTALL.
12. PROVIDE DEDICATED (1) 1" CONDUIT AND WIRING FROM THE GENERATOR TO NFPA 110 GENERATOR REMOTE ANNUNCIATOR TO BE LOCATED IN GARAGE OFFICE ON LEVEL 1. COORDINATE EXACT LOCATION OF GENERATOR REMOTE ANNUNCIATOR WITH OWNER PRIOR TO INSTALL OF CONDUIT.
13. SURGE PROTECTIVE DEVICE SHALL BE EXTERNALLY MOUNTED AND SHALL BE LOCATED SUCH THAT THE TOTAL CONDUCTOR LENGTH FROM THE SWITCHGEAR TO THE SURGE PROTECTIVE DEVICE IS 36" OR LESS OR PROVIDE MANUFACTURER APPROVED SPD LOW IMPEDANCE CABLE.
14. COORDINATE NECESSARY BREAKER, CONDUIT AND WIRE SIZES WITH SURGE PROTECTIVE DEVICE SUPPLIER.
15. EMERGENCY POWER FEEDER ROUTED OUTSIDE THE 2-HOUR FIRE RATED ELECTRICAL ROOM SHALL BE PROTECTED FROM FIRE BY ONE OF THE TWO FOLLOWING OPTIONS.

    OPTION 1: UTILIZE A UL LISTED 2-HOUR RESISITIVE CABLE OR CABLE SYSTEM. REFER TO SPECIFICATION 260513 FOR ACCEPTABLE PRODUCTS

    OPTION 2: SHALL BE ENCASED IN A MINIMUM OF 2" OF CONCRETE. CONDUIT SHALL NOT BE INSTALLED IN CONCRETE BUILDING STRUCTURE.
16. PROVIDE SURGE PROTECTIVE DEVICE INTEGRAL TO PANELBOARD.
17. TAP GENERATOR FEEDER INSIDE PULL BOX LOCATED IN EMERGENCY ELECTRICAL ROOM. PROVIDE TAP CONDUCTORS TO FUSED DISCONNECTS SERVING AUTOMATIC TRANSFER SWITCHES. MAXIMUM CABLE LENGTH FROM TAP TO EACH ENCLOSED CIRCUIT BREAKER SHALL BE 25'.
18. PROVIDE FEEDER FROM GENERATOR TO LOAD BANK TAP BOX. COORDINATE LOCATION OF LOAD BANK TAP BOX WITH OWNER PRIOR TO ROUGH-IN. REFER TO DETAIL 3 ON SHEET E-500 FOR MORE INFORMATION.
19. 100A PANELBOARD PROVIDED BY GENERATOR MANUFACTURER AND FACTORY INSTALLED ON GENERATOR. COORDINATE LOCATION WITH APPROVED SHOP DRAWINGS.
20. OVERCURRENT DEVICES ASSOCIATED WITH NEC ARTICLE 700 EMERGENCY LOADS AND NEC 701 LEGALLY REQUIRED STANDBY LOADS SHALL BE SELECTIVELY COORDINATED FROM SOURCE OF SUPPLY (BOTH NORMAL AND EMERGENCY SOURCES) THROUGH FINAL DEVICE. CONTRACTOR IS RESPONSIBLE FOR CHANGING SPECIFIC CIRCUIT BREAKERS (TYPE, FRAME, TRIP UNIT, ETC.) AND EQUIPMENT BUS RATING AS NECESSARY TO MEET THIS REQUIREMENT. CONTRACTOR SHALL ENSURE SELECTIVE COORDINATION IS PROVIDED PRIOR TO EQUIPMENT MANUFACTURE. UPDATES TO EQUIPMENT TO PROVIDE SELECTIVE COORDINATION SHALL INCUR NO COST TO THE OWNER.
21. FIELD COORDINATE EXACT LOCATION OF GENERATOR WITH APPROVED SHOP DRAWINGS TO PROVIDE REQUIRED CLEARANCES. COORDINATE CONDUIT ROUTING TO GENERATOR WITH EXACT GENERATOR LOCATION AND APPROVED SHOP DRAWINGS.
22. PROVIDE ELEVATOR CONTROL SWITCH (BUSSMAN POWER MODULE OR EQUAL) WITH ALL ACCESSORIES. PROVIDE FUSES SIZED PER ELEVATOR MANUFACTURER'S RECOMMENDATIONS WITH CONTROL POWER TRANSFORMER, FIRE SAFETY INTERFACE RELAY, KEY TEST SWITCH, PILOT LIGHT AND FIRE ALARM VOLTAGE MONITORING RELAY. INTERLOCK SHUNT TRIP WITH MACHINE ROOM AND ELEVATOR SHAFT HEAT DETECTORS. WIRE SEPARATE CONTACTS TO BATTERY LOWERING SYSTEM TO PREVENT BATTERY LOWERING WHEN DISCONNECT SWITCH IS TURNED TO OFF POSITION FOR MAINTENANCE.
23. GENERATOR SHALL BE PROVIDED WITH THREE FEEDER BREAKERS. IF GENERATOR RECEIVES A SIGNAL FROM THE ANY ATS THAT THE NORMAL POWER SOURCE IS NOT AVAILABLE GENERTOR SHALL OPEN FEEDER BREAKER SERVING LOAD BANK TAP BOX AND SHALL CLOSE OTHER TWO BREAKERS.
24. ROUTE (4) 3" EMPTY CONDUITS AND PULL STRING FROM UTILITY TRANSFORMER SECONDARY COLLECTOR BUS TO PRIVATE DEVELOPMENT MAIN ELECTRICAL ROOM U006-1 FOR FUTURE USE. CONDUITS SHALL BE CONCRETE ENCASED WHEN OUTSIDE OF THE VAULT AND TO WITHIN A MAXIMUM OF 8' FROM FINAL CONNECTION TO EQUIPMENT. CAP CONDUITS FOR FUTURE USE. COORDINATE LOCATION OF UTILITY TRANSFORMER SECONDARY COLLECTOR BUS WITH UTILITY PRIOR TO ROUGH-IN. COORDINATE CONCRETE ENCASED DUCTBANK WITH OTHER TRADES. REFER TO SHEET E-501 FOR DUCTBANK PROFILE AND FURTHER INFORMATION.
25. ROUTE (6) 3" EMPTY CONDUITS AND PULL STRING FROM UTILITY TRANSFORMER SECONDARY COLLECTOR BUS TO PRIVATE DEVELOPMENT MAIN ELECTRICAL ROOM U006-1 FOR FUTURE USE. CONDUITS SHALL BE CONCRETE ENCASED WHEN OUTSIDE OF THE VAULT AND TO WITHIN A MAXIMUM OF 8' FROM FINAL CONNECTION TO EQUIPMENT. CAP CONDUITS FOR FUTURE USE. COORDINATE LOCATION OF UTILITY TRANSFORMER SECONDARY COLLECTOR BUS WITH UTILITY PRIOR TO ROUGH-IN. COORDINATE CONCRETE ENCASED DUCTBANK WITH OTHER TRADES. REFER TO SHEET E-110.5 FOR ROUTING. REFER TO SHEET E-501 FOR DUCTBANK PROFILE AND FURTHER INFORMATION.
26. PROVIDE WITH INTEGRAL METER.
27. UTILITY SWITCHBOARD SECTION WITH 1600A OVERCURRENT PROTECTIVE DEVICE AND CTs/PTs. METER PROVIDED BY UTILITY SHALL BE INSTALLED IN MAIN ELECTRICAL ROOM U006. REFER TO SHEET E110.5 FOR METER LOCATIONS.

FOR REFERENCE ONLY

General Notes

No.	Description	Date
8	BULLETIN #5	05/14/2018
7	BULLETIN #3	03/05/2018
6	BID DOCUMENTS	09/07/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

NEW MUNICIPAL PARKING FACILITY

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE

Drawing Title

ELECTRICAL RISER DIAGRAM

Drawn	Date
AEI	5/14/2018 7:45:54 AM
Checked By	**Drawing Number**
AEI	E-700
Approved	
AEI	
Job Number	
215-1051	

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GENERAL NOTES

1. ALL CONNECTIONS TO THE COMMON GROUNDING ELECTRODE SYSTEM SHALL BE EXOTHERMICALLY WELDED OR IRREVERSIBLE COMPRESSION TYPE.
2. GROUND BUSBAR MOUNTED 18" AFF UNLESS NOTED OTHERWISE.
3. EACH INDIVIDUAL GROUNDING AND BONDING CONDUCTOR SHALL BE INSTALLED IN METAL CONDUIT. BOND EACH END OF CONDUIT TO THE NEAREST GROUND BUS BAR. CONDUIT SIZES AS FOLLOWS:

   #6-3/4"C
   #4-3/4"C
   #2-3/4"C
   #1/0-1"C
   #2/0-1"C
   #3/0-1"C
   #4/0-1"C
   #250-1 1/4"C
   #300-1 1/4"C
   #350-1 1/4"C
   #4/0-1 1/2"C
   #750-2 1/2"C

4. GROUNDING ELECTRODE AND BONDING CONDUCTORS SHALL BE COPPER.
5. REFER TO DETAIL 8 ON SHEET E-500 FOR GROUND ROD AND TEST WELL INSTALLATION DETAIL.

SHEET KEY NOTES

1. GROUNDING ELECTRODE TO UNDERGROUND WATER SERVICE UPSTREAM OF THE WATER METER. [NEC 250.52(A)(1)]
2. GROUNDING ELECTRODE CONDUCTOR TO EXISTING BUILDING STEEL. BOND TO A MINIMUM OF ONE COLUMN. BOND TO ADDITIONAL COLUMNS AS NEEDED TO MEET PROJECT MAXIMUM 25 OHM GROUNDING REQUIREMENT. [NEC 250.52(A)(2)]
3. GROUNDING ELECTRODE CONDUCTOR TO BUILDING GROUND RING ENCIRCLING BUILDING. PROVIDE GROUND RODS AROUND BUILDING AT MINIMUM 100' INTERVALS WITH A MINIMUM OF 5 GROUND RODS. PROVIDE ADDITIONAL GROUND RODS SURROUNDING THE BUILDING AS REQUIRED TO MEET PROJECTS MAXIMUM 25 OHM GROUNDING REQUIREMENT. [NEC 250-52(A)(4)]. PROVIDE A MINIMUM OF ONE TEST WELL FOR EVERY 4 GROUND RODS. BOND BUILDING GROUND LOOP TO GROUND RODS.
4. BOND TO EACH INTERIOR METAL PIPING SYSTEM LIKELY TO BECOME ENERGIZED INCLUDING BUT NOT LIMITED TO EACH WATER PIPING SYSTEM, EACH GAS PIPING SYSTEM. [NEC 250.104(A), (B)]
5. BOND TO INTERIOR STRUCTURAL STEEL LIKELY TO BECOME ENERGIZED. [NEC 250.104(C)].
6. BOND TO NEW AND EXISTING BUILDING STEEL LOCATED WITHIN TELECOM ROOM.
7. PROVIDE GROUNDING CONDUCTOR TO EACH GROUND BAR OF STANDBY POWER PANELBOARD SERVING THE TELECOM ROOM.
8. BOND TO EACH CONDUIT ROUTED THROUGH THE TELECOM ROOM.
9. REFER TO DETAIL 2 ON SHEET E-500 FOR GENERATOR GROUNDING REQUIREMENTS.
10. ROUTE EQUIPMENT GROUNDING CONDUCTOR FROM MAIN GROUND BAR CONDUCTORS TO UTILITY PROVIDED SECONDARY COLLECTOR BUS WITHIN THE UTILITY VAULT. CONDUCTORS SHALL BE OF SUFFICIENT LENGTH TO ALLOW UTILITY TO APPROPRIATELY TERMINATE CONDUCTORS. COORDINATE EXACT LOCATION OF CONDUCTORS AND LENGTH OF CONDUCTORS WITH UTILITY PRIOR TO INSTALL.
11. PROVIDE 1-1/2" CONDUIT AND PULL STRING BETWEEN MAIN GROUND BAR IN MAIN ELECTRICAL ROOM AND NETPOP ROOM U101-1. CAP FOR FUTURE USE.
12. PROVIDE 1-1/2" CONDUIT AND PULL STRING BETWEEN MAIN GROUND BAR IN MAIN ELECTRICAL ROOM AND MAIN ELECTRICAL ROOM U006-1. CAP FOR FUTURE USE.

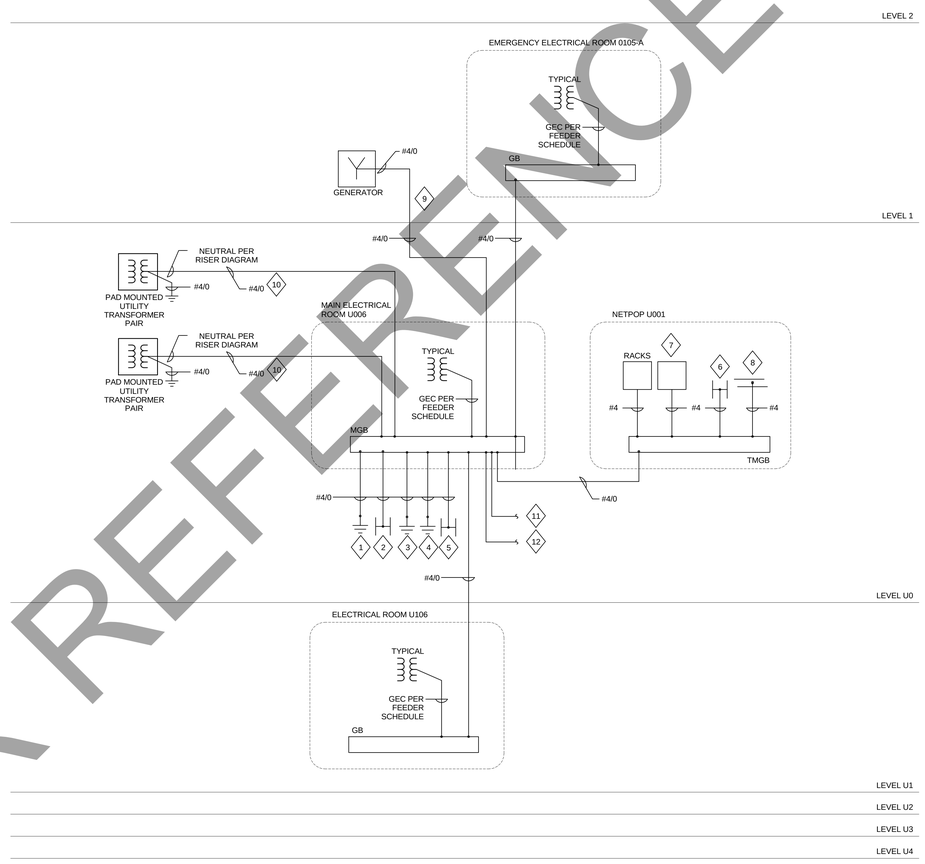
SYMBOLS AND ABBREVIATION KEY

TRANSFORMER

GROUNDING ELECTRODE CONDUCTOR
SEE FEEDER SCHEDULE FOR SIZE

BONDING JUMPER UNLESS NOTED OTHERWISE

MGB	MAIN GROUNDING BUSBAR, 48"LX4"HX1/4"W
GB	GROUNDING BUSBAR, 24"LX4"HX1/4"W
TGB	TELECOMMUNICATIONS GROUNDING BUSBAR, 12"LX4"HX1/4"W
TMGB	TELECOMMUNICATIONS MAIN GROUNDING BUSBAR, 24"LX4"HX1/4"W



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No.	Description	Date
6	BID DOCUMENTS	09/07/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/ OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

NEW MUNICIPAL PARKING FACILITY

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

GROUNDING RISER DIAGRAM

Drawn	Date
AEI	9/5/2017 12:02:44 PM
Checked By	**Drawing Number**
AEI	E-701
Approved	
AEI	
Job Number	
215-1051	

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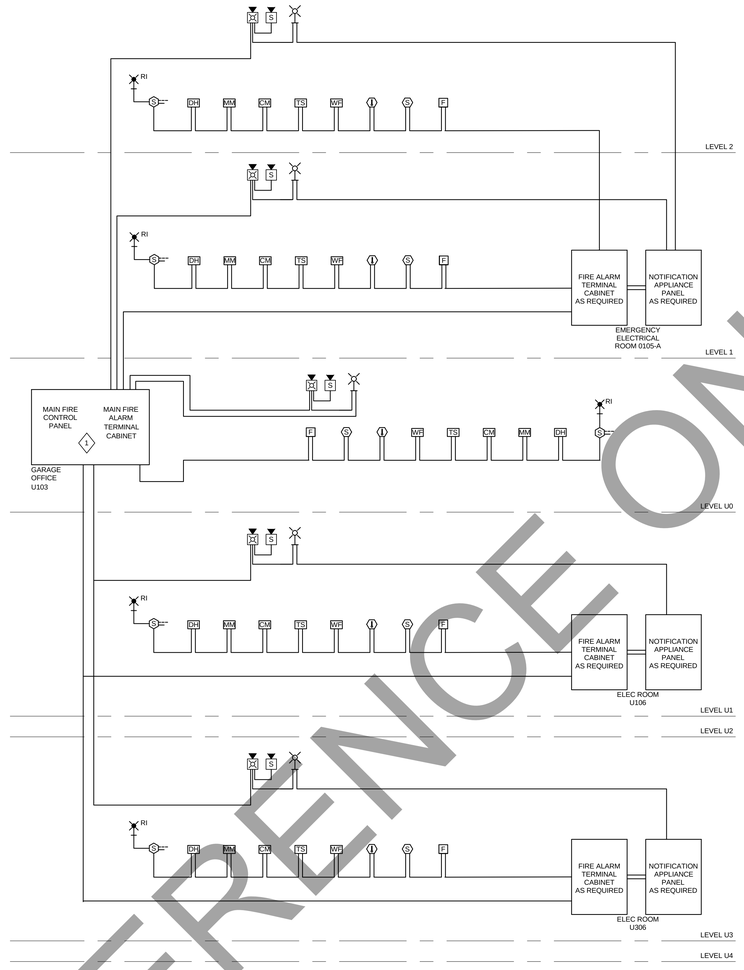
SHEET KEY NOTES

1. FIRE ALARM SYSTEM SHALL BE MONITORED BY OUTSIDE MONITORING COMPANY. COORDINATE WITH CITY FOR MONITORING REQUIREMENTS. PROVIDE EQUIPMENT AND WIRING AS REQUIRED FOR REQUIRED MONITORING.



2 FIRE ALARM RISER DIAGRAM

SCALE: 12" = 1'-0"

		Control Unit Annunciation							Notification							Required for Fire Safety Control								Supplementary		
	System Outputs																									
System Inputs	Number Identifier	Actuate Common Alarm Signal Indicator	Actuate Audible Alarm Signal	Actuate Common Supervisory Signal	Actuate Audible Supervisory Signal	Actuate Common Trouble Signal Indicator	Actuate Audible Trouble Signal	Actuate Appropriate Location Indicator	Actuate All Audible Evacuation Signals	Actuate All Visible Evacuation Signals	Outdoor Audible and/or Visual Device	Display/Print Change of Status	Transmit Alarm Signal to Supervising Station	Transmit Supervisory Signal to Supervising Station	Transmit Trouble Signal to Supervising Station	Release Magnetically Held Smoke Doors	Unlock Security Doors	Elevator Shunt Trip	Recall Elevators To Primary Recall Floor	Recall Elevators to Alternate Recall Floor	Elevator Fire Hat Flash	Fan Shutdown	Associated Damper Shutdown	Remote Display Status		Number Identifier
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W		
Manual Pull Station	1	X	X					X	X	X		X	X			X	X							X		1
	2																									2
Smoke Detector General	3	X	X					X	X	X		X	X			X	X							X		3
Smoke Detector at Door Hold Opens	4	X	X					X	X	X		X	X			X	X							X		4
Smoke Detector Elev. Lobby Primary Floor	5	X	X					X	X	X		X	X			X	X			X						5
Smoke Detector Elev. Lobby All other Floors	6	X	X					X	X	X		X	X			X	X		X							6
Smoke Detector in Elev. Control Room	7	X	X					X	X	X		X	X			X	X				X					7
Smoke Detector in Hoistway	8	X	X					X	X	X		X	X			X	X				X					8
	9																									9
Heat Detector General	10	X	X					X	X	X		X	X			X	X							X		10
Heat Detector in Elev. Machine Room	11	X	X					X	X	X		X	X			X	X	X								11
Heat Detector in Hoistway	12	X	X					X	X	X		X	X			X	X	X								12
	13																									13
Duct Mounted Smoke Detectors At Fire/Smoke Dampers	14	X	X					X	X	X		X	X										X	X		14
AHU/RF Duct Mounted Smoke Detector	15	X	X					X	X	X		X	X									X		X		15
	16																									16
Post Indicator Valve Switch	17			X	X			X				X		X										X		17
Sprinkler Main Waterflow	18	X	X					X	X	X	X	X	X			X	X							X		18
Sprinkler Tamper Switch	19			X	X			X				X		X										X		19
	20																									20
Fire Alarm AC Power Failure	21					X	X					X			X	X								X		21
Fire Alarm Low Battery	22					X	X					X			X									X		22
Open Circuit	23					X	X					X			X									X		23
Ground Fault	24					X	X					X			X									X		24
	25																									25
Fire Pump Running (hot test mode)	26	X	X					X				X				X	X							X		26
Fire pump Power Phase Reversal	27			X				X				X		X										X		27
Fire Pump Alternate Source	28			X				X				X		X										X		28
Fire pump Power Failure	29			X				X				X		X										X		29
Elevator Shunt Trip Monitor	30			X	X							X		X												30

1 FIRE ALARM MATRIX

SCALE: 12" = 1'-0"

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General Notes

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CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

FIRE ALARM RISER DIAGRAM AND MATRIX

Drawn	Date
AEI	9/5/2017 12:02:49 PM
Checked By	**Drawing Number**
AEI	E-702
Approved	
AEI	
Job Number	
215-1051	

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TECHNOLOGY SCOPE RESPONSIBILITY MATRIX

ITEM	SHOWN ON	FURNISHED BY	INSTALLED BY	NOTES
TECHNOLOGY SYSTEMS ROUGH-IN, INCLUDING BACKBOXES, TRIM RINGS, CONDUIT AND SLEEVES	T-SERIES	EC	EC	1
EQUIPMENT ROOM POWER RECEPTACLES	E-SERIES (PWR)	EC	EC	
BACKBONE CABLING, TERMINATION COMPONENTS (e.g. WALL-FIELDS), TERMINATION, TESTING AND LABELING	T-SERIES	TC	TC	
PATCH PANELS	T-SERIES	TC	TC	
HORIZONTAL CABLING, TERMINATIONS, TESTING AND LABELING	T-SERIES	TC	TC	
SECURITY SYSTEMS (ACS, VSS) ROUGH-IN, INCLUDING BACKBOXES, TRIM RINGS AND CONDUIT	T-SERIES	EC	EC	
ACS FIELD DEVICES (e.g. CARD READERS, STATUS SENSORS, REX) AND CABLING	T-SERIES	TC	TC	
ACS DOOR HARDWARE INCLUDING ELECTRIC STRIKES, MAGNETIC LOCKS AND ASSOCIATED POWER SUPPLIES	T-SERIES	GC	GC / EC / TC	2
VSS HEAD-END, CAMERAS, MOUNTS AND CABLING	T-SERIES	TC	TC	

TECHNOLOGY SYSTEMS RESPONSIBILITY MATRIX NOTES:

1. PENETRATIONS THROUGH FLOORS AND FIRE-RATED WALLS WHERE APPLICABLE SHALL BE FIRESTOPPED IN A MANNER THAT MAINTAINS THE RATING OF THE FLOOR OR WALL PENETRATED. REFER TO ARCHITECTURAL SPECIFICATIONS.
2. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL ACCESS CONTROL SYSTEM COMPONENTS WITH DOOR AND DOOR HARDWARE VENDOR.
3. ALL DEVICES TO BE INSTALLED IN LOCATIONS APPROVED BY AUTHORITY HAVING JURISDICTION (AHJ).

GENERAL NOTES

1. WORK PERFORMED INCLUDES ALL LABOR, MATERIAL AND EQUIPMENT REQUIRED TO INSTALL COMPLETE TECHNOLOGY SYSTEMS AS INDICATED ON THESE DRAWINGS AND AS SPECIFIED.
2. ALL TELECOMMUNICATIONS OUTLETS SHALL BE MOUNTED AT HEIGHTS ABOVE FINISHED FLOOR AS SHOWN IN THE DEVICE MOUNTING HEIGHT DETAIL U.N.O.
3. SEE ELECTRICAL SPECIFICATIONS FOR LOCATIONS WHERE GRS CONDUIT SHALL BE USED, OR WHERE IMC, EMT, OR PVC CONDUIT MAY BE USED.
4. BOXES LOCATED ON OPPOSITE SIDES OF NON-RATED WALLS SHALL BE OFFSET A MINIMUM OF 6" HORIZONTALLY. BOXES ON OPPOSITE SIDES OF FIRE-RATED WALLS SHALL BE OFFSET A MINIMUM OF 24" HORIZONTALLY. "THRU-THE-WALL' BOXES SHALL NOT BE AOLLWED WITHOUT THE WRITTEN APPROVAL OF THE ARCHITECT/ENGINEER.
5. CONTRACTOR SHALL VERIFY ALL EQUIPMENT SIZES AND POWER REQUIREMENTS FOR EQUIPMENT SUPPLIED BY OTHERS PRIOR TO INSTALLATION OF CONDUIT.
6. TECHNOLOGY SYSTEMS EQUIPMENT/DEVICES SHALL BE MOUNTED SO AS TO ALLOW ACCESS TO ELECTRICAL AND MECHANICAL EQUIPMENT. ALL MOUNTING OF TECHNOLOGY SYSTEMS EQUIPMENT/DEVICES ON EQUIPMENT SUPPLIED BY ANOTHER CONTRACTOR SHALL BE COORDINATED WITH AND APPROVED BY THAT CONTRACTOR IN ADVANCE OF INSTALLATION.
7. ALL ELECTRICAL CONDUITS AND JUNCTION BOXES SHALL BE CONCEALED. CONTRACTOR SHALL COORDINATE WITH THE OTHER TRADES AND USE CHASES AND CEILING SPACES PROVIDED. WHERE BOXES AND CONDUIT ARE NOTED TO BE INSTALLED EXPOSED, THEY SHALL BE PAINTED TO MATCH THE SURFACE.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ALL OPENINGS REQUIRED IN WALLS. ALL OPENINGS SHALL BE REPAIRED TO MATCH EXISTING BY A QUALIFIED CONTRACTOR AT THE EXPENSE OF THIS CONTRACTOR. ALL CONDUITS THROUGH WALLS SHALL BE GROUTED OR SEALED INTO OPENINGS. PENETRATIONS THROUGH FLOORS AND FIRE-RATED WALLS SHALL BE FIRESTOPPED IN A MANNER THAT MAINTAINS THE RATING OF THE FLOOR OR WALL PENETRATED.
9. ALL TRENCHING AND BACKFILL FOR BURIED ELECTRICAL CONDUITS SHALL BE BY THE CONTRACTOR UNLESS NOTED OTHERWISE.
10. PROVIDE METALLIC TAPE ABOVE BURIED PVC CONDUIT FOR FUTURE LOCATING.
11. CONDUIT ROUTED UNDER THE BUILDING SHALL BE MINIMUM 18" BELOW SLAB.
12. ALL TELEPHONE AND DATA JACKS SHALL BE TERMINATED WITH ALL 4 PAIRS TO ALLOW FOR INTERCHANGEABILITY.
13. ALL TELEPHONE AND DATA CABLES SHALL BE INSTALLED IN CONDUIT OR CABLE TRAY.
14. ALL 'FPD' (FLAT-PANEL DISPLAY) LOCATIONS ARE INDICATED FOR ROUGH-IN ONLY; ROUGH-IN SHALL INCLUDE BACKBOX, CONDUIT STUB, COMMUNICATIONS CABLE AND TERMINATIONS. DISPLAYS, MOUNTS, INTERFACES AND HEAD-END EQUIPMENT FOR FLIGHT/GATE INFORMATION DISPLAYS AND/OR ELECTRONIC ADVERTISING DISPLAYS ARE NOT INCLUDED.
15. ALL CONDUIT STUBS SHALL HAVE PLASTIC OR NYLON BUSHINGS INSTALLED PRIOR TO THE INSTALLATION OF CABLES.

TECHNOLOGY SYSTEMS ABBREVIATIONS

&	AND
3R	NEMA 3R RATED
4X	NEMA 4X RATED
@	AT
A/E	ARCHITECT / ENGINEER
ACS	ACCESS CONTROL SYSTEM
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISH GRADE
ALT	ALTERNATE
ANT	ANTENNA
AP	(WIRELESS) ACCESS POINT
A/V	AUDIO VISUAL
BET	BUILDING ENTRANCE TERMINAL
BLDG	BUILDING
C	CONDUIT
CAB	CABINET
CATV	COMMUNITY ANTENNA TELEVISION
CL	CENTERLINE
CLG	CEILING
COAX	COAXIAL
COMM	COMMUNICATIONS
DO	DOOR OPERATOR
DSS	DIGITAL SATELLITE SERVICE
DWG	DRAWING
EC	ELECTRICAL CONTRACTOR
EMT	ELECTRICAL METALLIC TUBING
ETR	EXISTING TO REMAIN
FA	FIRE ALARM
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
FO	FIBER OPTIC
FPD	FLAT-PANEL DISPLAY
GC	GENERAL CONTRACTOR
GND	GROUND
GRC	GALVINIZED RIGID CONDUIT
GRS	GALVANIZED RIGID STEEL
HH	HAND HOLE
HPC	HIGH PAIR COUNT
HVAC	HEATING, VENTILATION, AIR CONDITIONING
IDF	INTERMEDIATE DISTRIBUTION FRAME
xIDS	INFORMATION DISPLAY SYSTEM x DENOTES SUBSYSTEM (F, B, T, G)
IDS	INTRUSION DETECTION SYSTEM
IMC	INTERMEDIATE METALLIC CONDUIT
IT	INFORMATION TECHNOLOGY
ITS	INFORMATION TRANSPORT SYSTEMS
JB	JUNCTION BOX
MAX	MAXIMUM
MDF	MAIN DISTRIBUTION FRAME
MH	MAN HOLE
MIN	MINIMUM
MMFO	MULTIMODE FIBER OPTIC
MNS	MASS NOTIFICATION SYSTEM
MON	MONITOR
MTD	MOUNTED
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
NTWK	NETWORK (DATA)
OC	ON CENTER
PA	PUBLIC ADDRESS
PROJ	PROJECTOR
PTZ	PAN - TILT - ZOOM
PVC	POLYVINYL CHLORIDE
RCV	RECEIVER
REQ'D	REQUIRED
SCHED	SCHEDULE
SE	SERVICE ENTRANCE
SMFO	SINGLEMODE FIBER OPTIC
SS	STAINLESS STEEL
SYS	SYSTEM
TBR	TO BE REMOVED
TGB	TELECOMMUNICATIONS GROUNDING BUSBAR
TMGB	TELECOMMUNICATIONS MAIN GROUNDING BUSBAR
TSE	TELEPHONE SERVICE EQUIPMENT
TV	TELEVISION
TYP	TYPICAL
U/F	UNDER FLOOR
UG	UNDERGOUND
UNO	UNLESS NOTED OTHERWISE
UTP	UNSHIELDED TWISTED PAIR
VSS	VIDEO SURVEILLANCE SYSTEM
WL	WET LOCATION LISTED
WP	WEATHERPROOF
WS	WORKSTATION

GENERAL SYMBOLS

#/T-###	DETAIL NUMBER / SHEET NUMBER
9.###	KEYED NOTE, USED TO DESCRIBE ADDITIONAL INFORMATION OF WORK REQUIRED, SPECIFIC TO THE SHEET AND/OR DETAIL IT IS SHOWN WITH.

LINE TYPE KEY

	NEW WORK BY THIS CONTRACTOR (DARK SOLID LINE)
	EXISTING TO BE REMOVED BY THIS CONTRACTOR (DARK DASHED LINE)
	EXISTING TO REMAIN WORK (THIN SOLID LINE)
	NEW WORK UNDER FLOOR BY THIS CONTRACTOR

SECURITY SYSTEM SYMBOLS

SEC	SECURITY SYSTEMS EQUIPMENT CABINET
F	FIXED CAMERA LOCATION
F	FIXED CAMERA 180 DEGREE
F	FIXED CAMERA 360 DEGREE
CM	VIDEO SURVEILLANCE SYSTEM MONITOR
CR	CREDENTIAL READER
EL	ELECTRIFIED LOCKSET WITH REQUEST-TO-EXIT MICROSWITCH
PT	ELECTRONIC POWER TRANSFER
KP	KEYPAD
PB	PUSHBUTTON
DB	DURESS BUTTON
MS	MOTION SENSOR 360 DEGREE - ON DECK/SLAB
P	POSITION SWITCH

FOR REFERENCE ONLY

7	BULLETIN #2	12/07/2017
6	BID DOCUMENTS	09/07/2017
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1	ISSUED FOR DESIGN DEVELOPMENT	04/26/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano
ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER
PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON
AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
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NOTES, SYMBOLS & ABBREVIATIONS

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RJL

DP

215-1051

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TRUE NORTH
PROJECT NORTH

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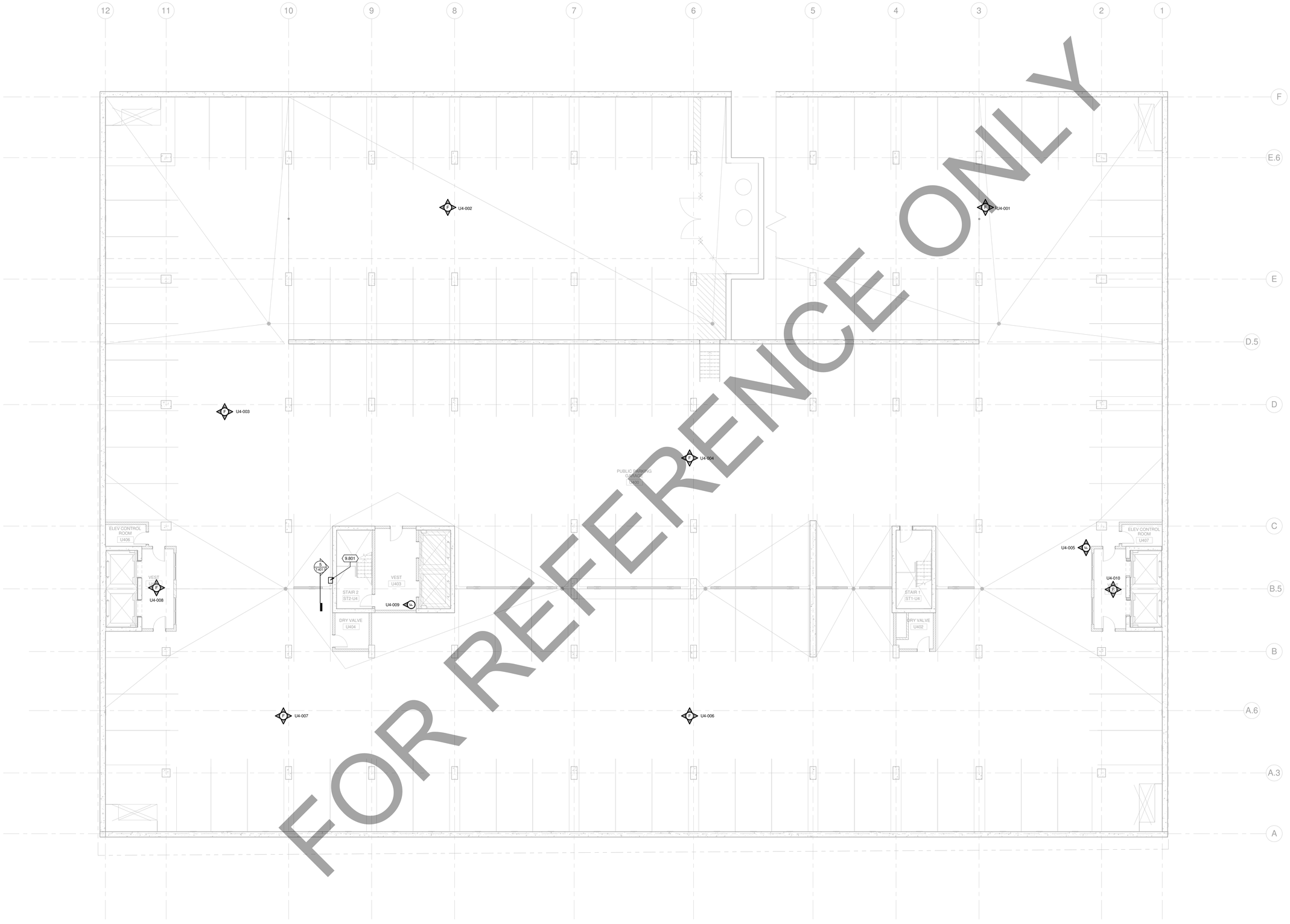
KEYED NOTES

9.801 FIELD ENCLOSURE WITH INDUSTRIAL POE ETHERNET SWITCHES. INSTALL A MINIMUM OF 1" CONDUIT BETWEEN ENCLOSURES.



FOR REFERENCE ONLY

1 **LEVEL U4 - UNDERGROUND PARKING**
1/8" = 1'-0"

7	BULLETIN #2	12/07/2017
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CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

UNDERGROUND PARKING PLAN - LEVEL U4 - SECURITY

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215-1051

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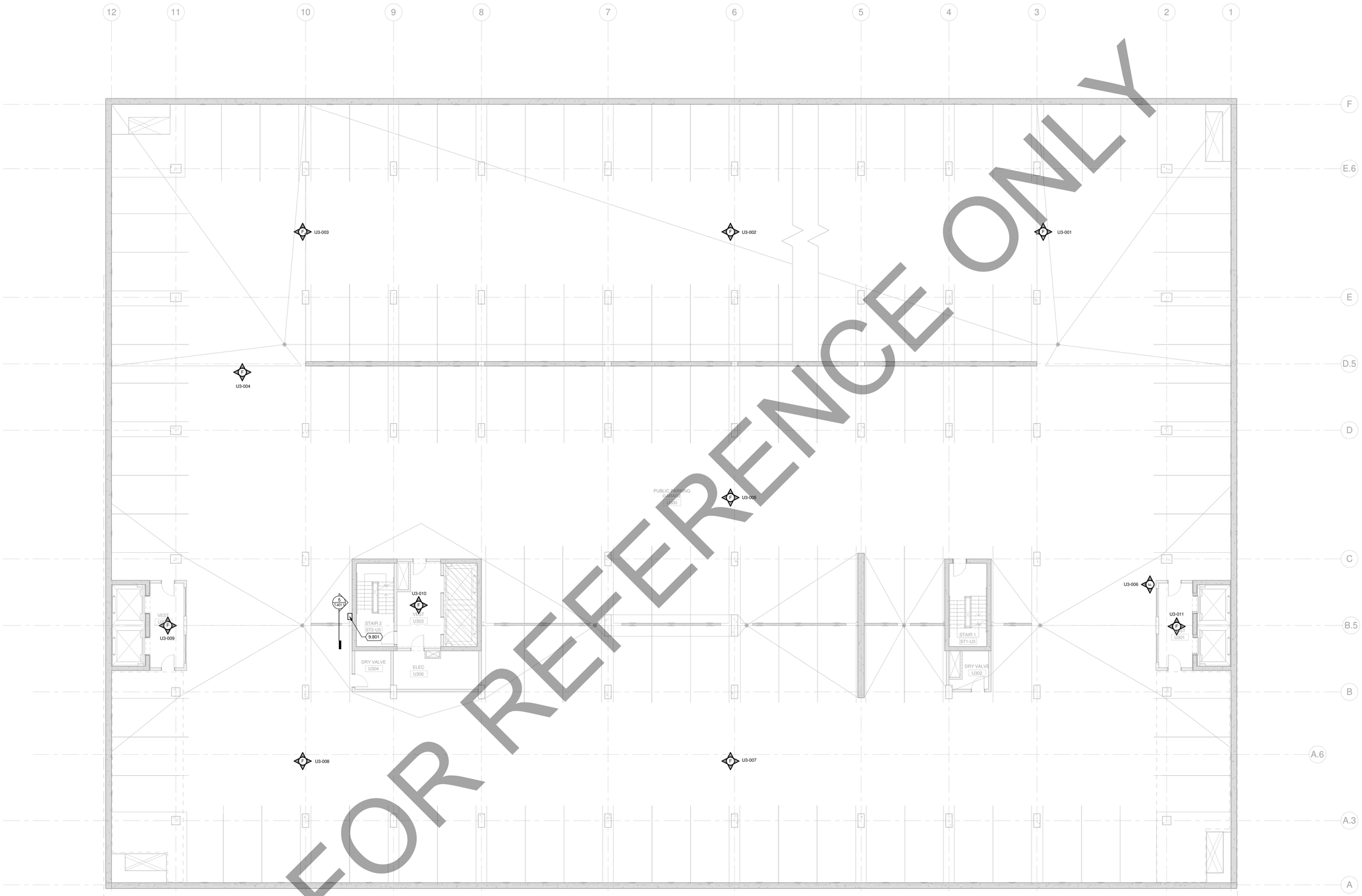
KEYED NOTES

9.801 FIELD ENCLOSURE WITH INDUSTRIAL POE ETHERNET SWITCHES. INSTALL A MINIMUM OF 1" CONDUIT BETWEEN ENCLOSURES.



FOR REFERENCE ONLY

1 LEVEL U3 - UNDERGROUND PARKING
1/8" = 1'-0"

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MADISON | CHICAGO | ST. LOUIS

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WALKER
PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS
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LANDSCAPE ARCHITECTURE
URBAN DESIGN

UNDERGROUND PARKING PLAN - LEVEL U3 - SECURITY

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T-120.2

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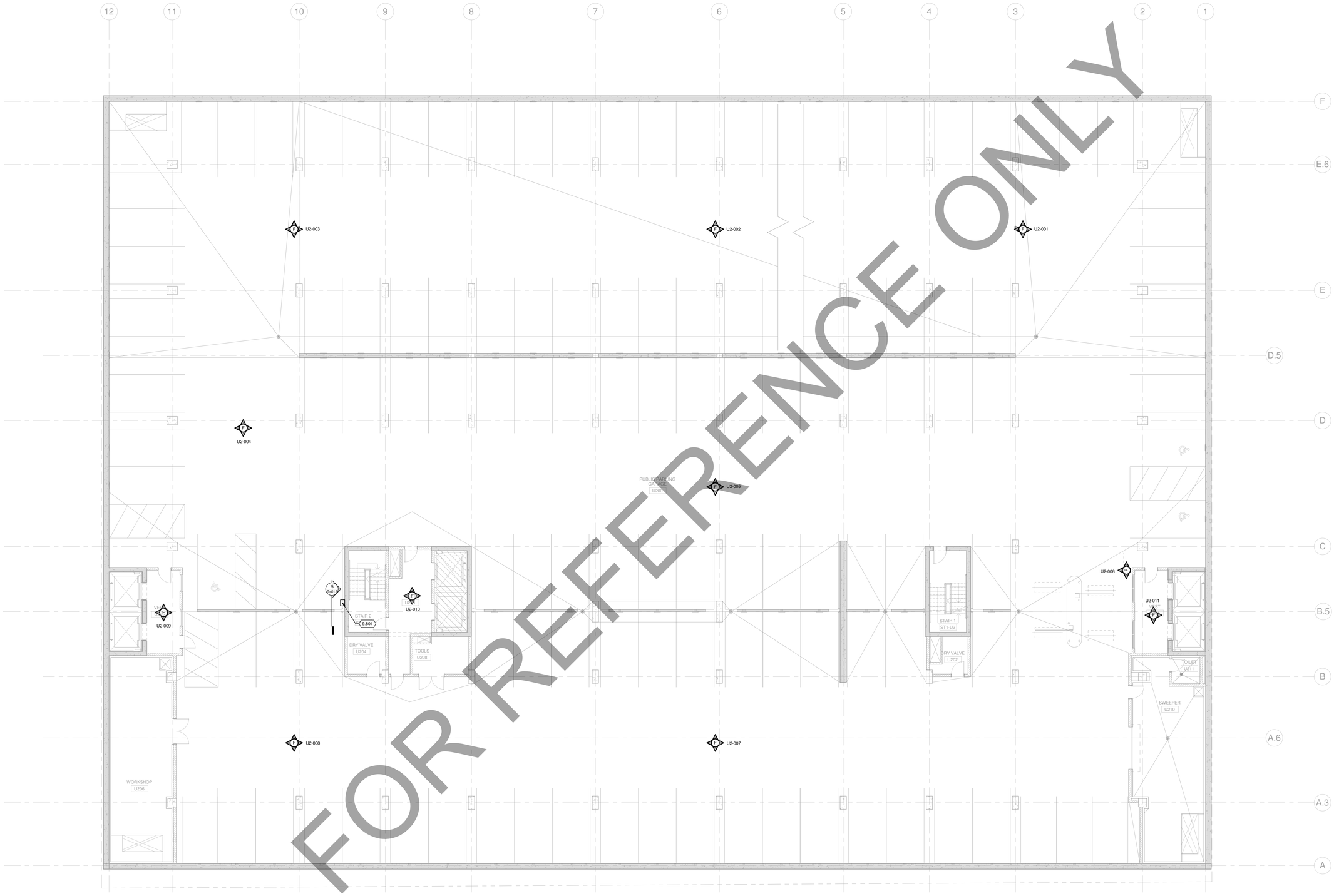
KEYED NOTES

9.801 FIELD ENCLOSURE WITH INDUSTRIAL POE ETHERNET SWITCHES. INSTALL A MINIMUM OF 1" CONDUIT BETWEEN ENCLOSURES.



FOR REFERENCE ONLY

1 LEVEL U2 - UNDERGROUND PARKING
1/8" = 1'-0"

7	BULLETIN #2	12/07/2017
6	BID DOCUMENTS	09/07/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/ OWNERS REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/26/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano
ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS
MADISON | CHICAGO | ST. LOUIS

PARKING CONSULTANT:
WALKER
PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS
A WSP | PARSONS BRINCKERHOFF COMPANY

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

UNDERGROUND PARKING PLAN - LEVEL U2 - SECURITY

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KEYED NOTES

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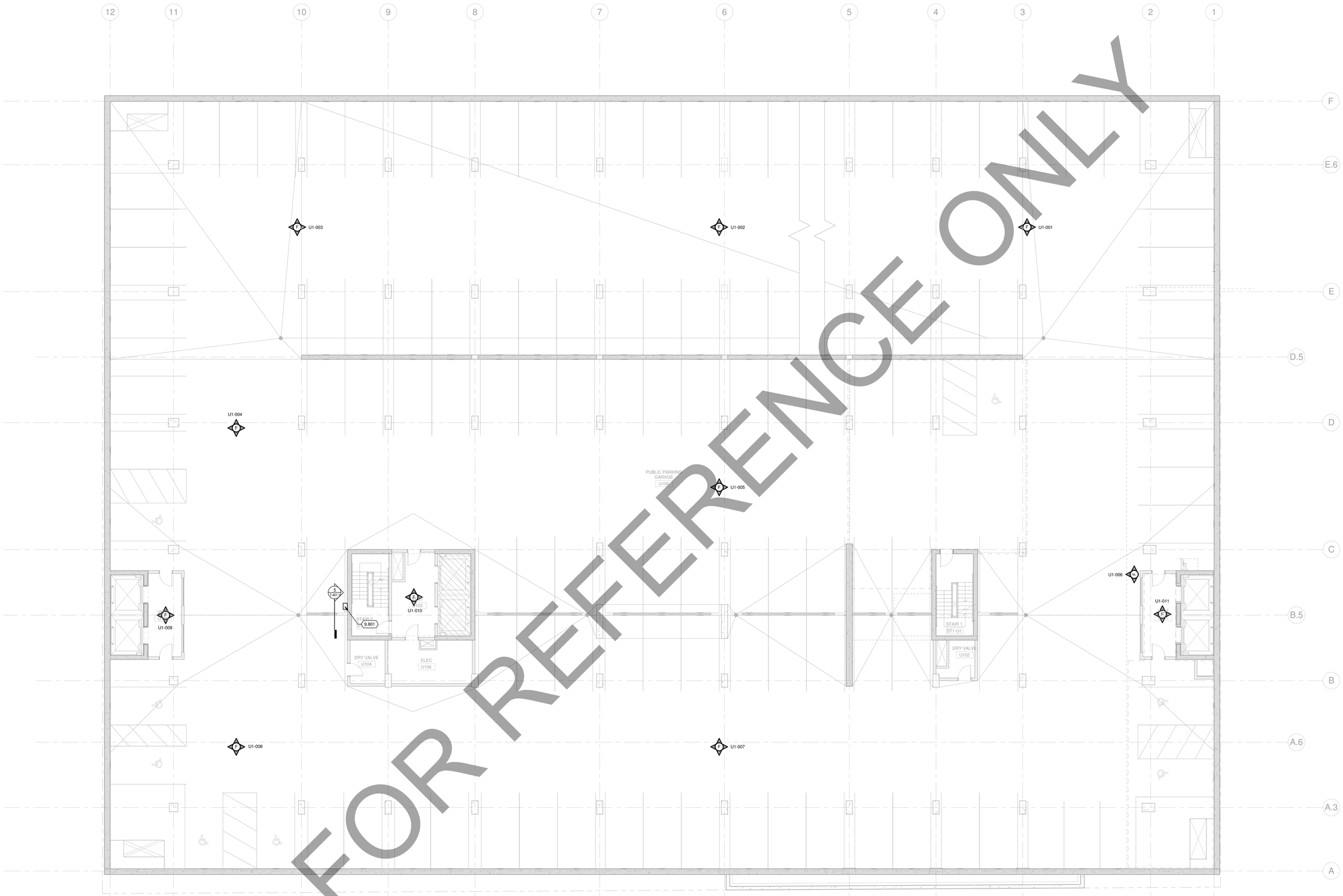

FOR REFERENCE ONLY

1 LEVEL U1 - UNDERGROUND PARKING
1/8" = 1'-0"

7	BULLETIN #2	12/07/2017
6	BID DOCUMENTS	09/07/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
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UNDERGROUND PARKING PLAN - LEVEL U1 - SECURITY

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KEYED NOTES

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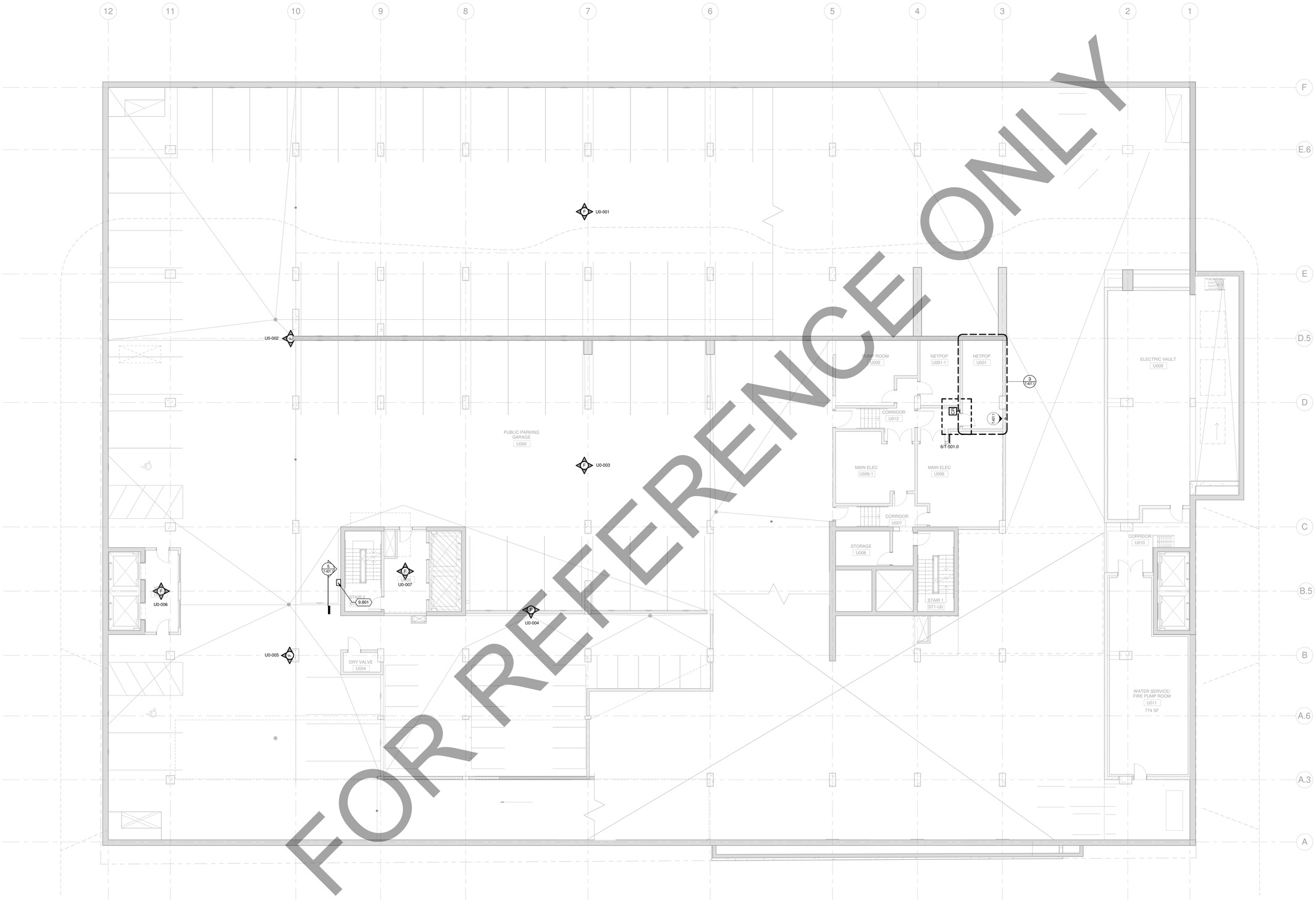

FOR REFERENCE ONLY

1 **LEVEL U0 - UNDERGROUND PARKING**
1/8" = 1'-0"

7	BULLETIN #2	12/07/2017
6	BID DOCUMENTS	09/07/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
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1	ISSUED FOR DESIGN DEVELOPMENT	04/26/2017

JUDGE DOYLE SQUARE - BLOCK 88

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STRUCTURAL ENGINEERS:
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MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

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URBAN DESIGN

UNDERGROUND PARKING PLAN - LEVEL U0 - SECURITY

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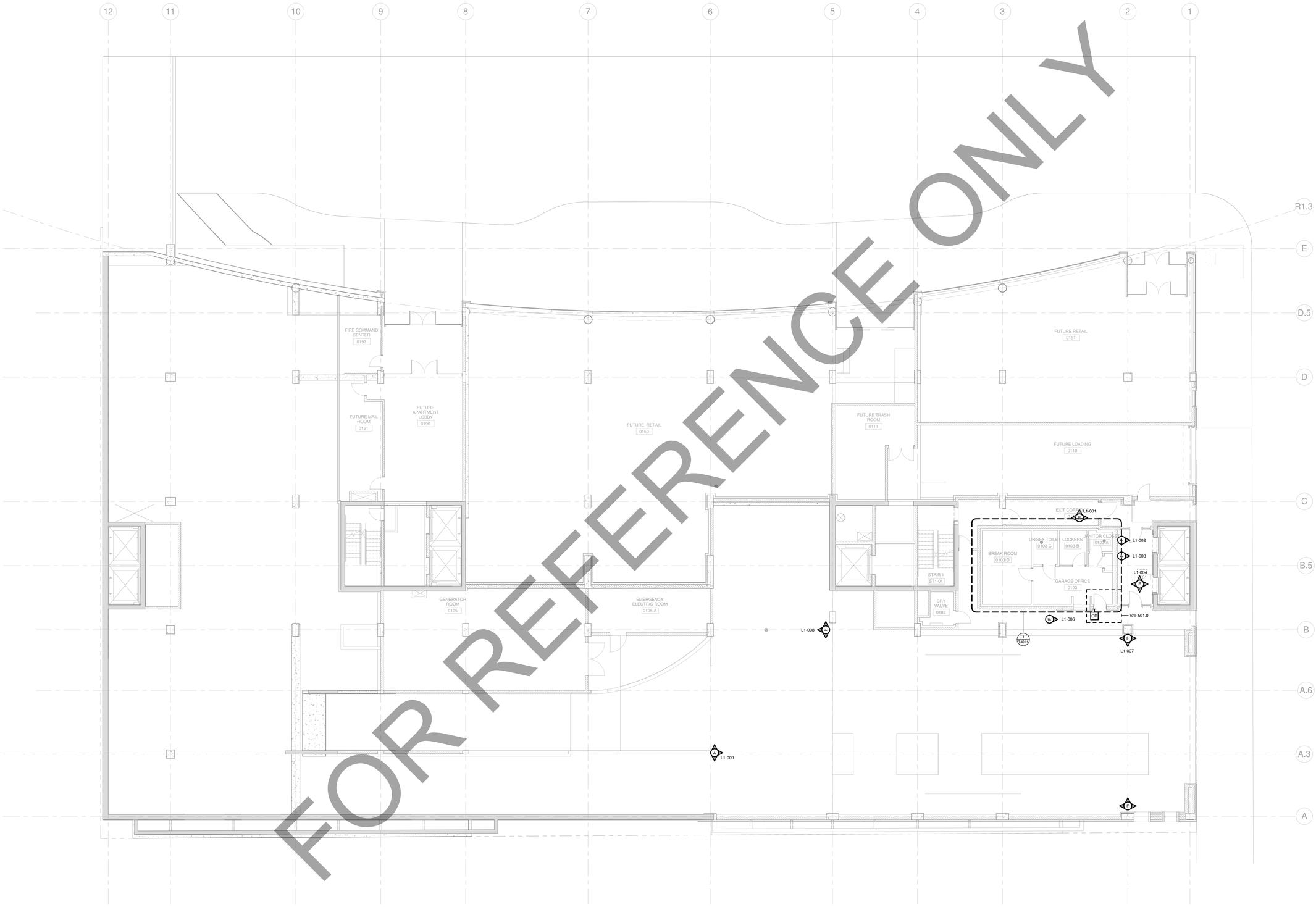
KEYED NOTES



FOR REFERENCE ONLY

1 **LEVEL 1 PLAN - WILSON ST. ENTRY**
1/8" = 1'-0"

7	BULLETIN #2	12/07/2017
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1	ISSUED FOR DESIGN DEVELOPMENT	04/26/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

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LEVEL 1 PLAN - WILSON STREET ENTRANCE - SECURITY

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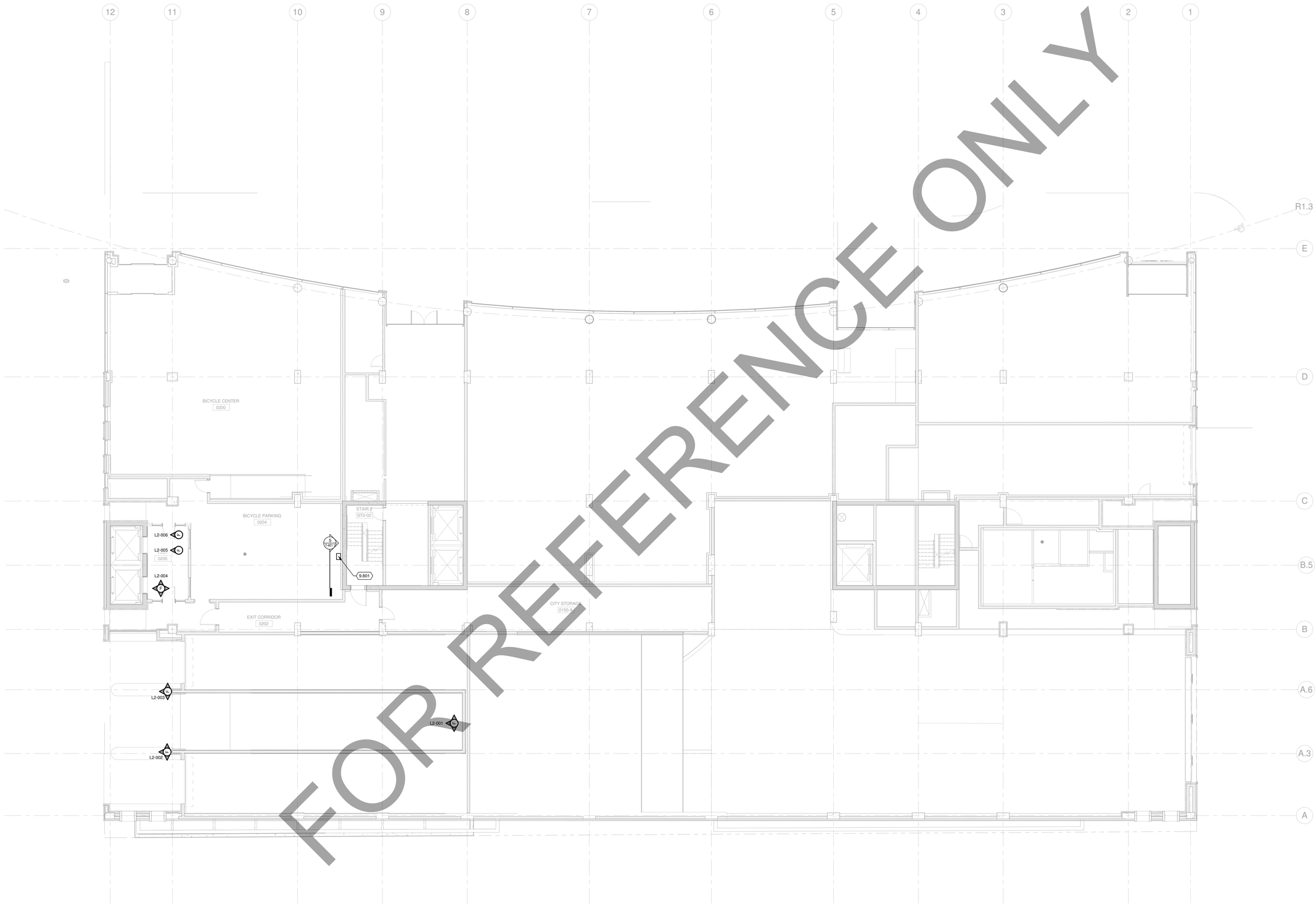
KEYED NOTES

9.801 FIELD ENCLOSURE WITH INDUSTRIAL POE ETHERNET SWITCHES. INSTALL A MINIMUM OF 1" CONDUIT BETWEEN ENCLOSURES.



FOR REFERENCE ONLY

1 **LEVEL 2 PLAN - DOTY ST. ENTRY**
1/8" = 1'-0"

7	BULLETIN #2	12/07/2017
6	BID DOCUMENTS	09/07/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
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JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

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AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

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PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

LEVEL 2 PLAN - DOTY ST. ENTRY - SECURITY

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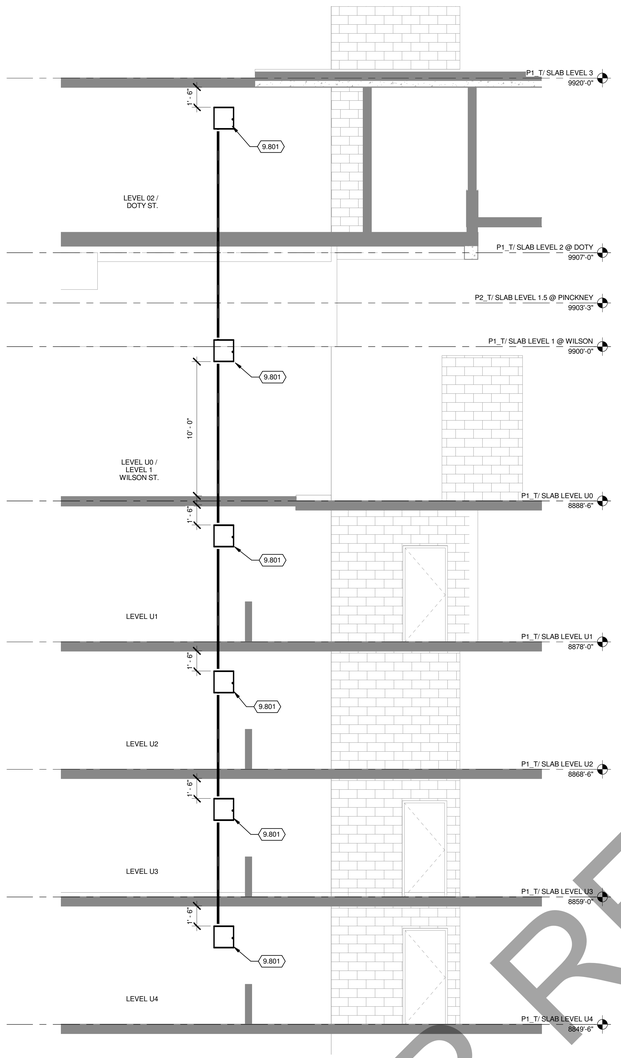
KEYED NOTES

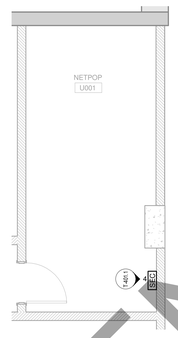
9.701 NEW SECURITY SYSTEMS CABINET (48" / 26U), WALL-MOUNTED AT 6' 0" AFF TO TOP OF CABINET. FINAL LOCATION TO BE COORDINATED WITH OWNER PRIOR TO INSTALLATION.

9.801 FIELD ENCLOSURE WITH INDUSTRIAL POE ETHERNET SWITCHES. INSTALL A MINIMUM OF 1" CONDUIT BETWEEN ENCLOSURES.

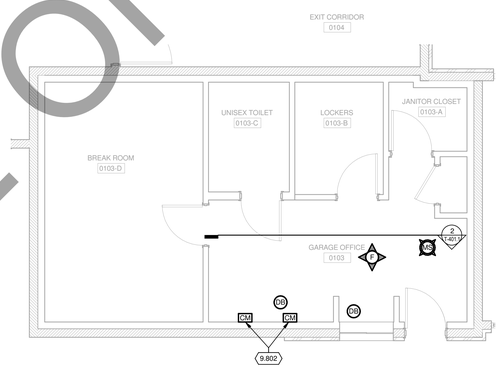
9.802 42" FLAT-PANEL DISPLAY MONITOR FOR SECURITY SYSTEM. COORDINATE LOCATION WITH OWNER PRIOR TO ROUGH-IN.



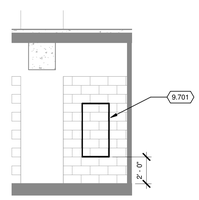
5 FIELD ENCLOSURE LOCATIONS
1/4" = 1'-0"



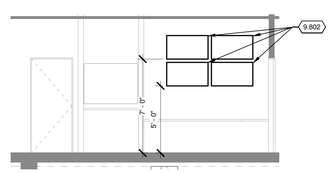
3 NETPOP ENLARGED PLAN
1/4" = 1'-0"



1 GARAGE OFFICE ENLARGED PLAN
1/4" = 1'-0"



4 SECURITY SYSTEM EQUIPTMENT ENCLOSURE
1/4" = 1'-0"



2 SECURITY SYSTEM DISPLAY ELEVATIONS
1/4" = 1'-0"

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7	BULLETIN #2	12/07/2017
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JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
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ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS
MADISON | COLUMBUS | DUBLIN

PARKING CONSULTANT:
WALKER
PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON
AND PARTNERS
A WALT PARSONS BRAND ALLIANCE COMPANY

MEP/FP ENGINEERS:
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CIVIL ENGINEERS:
Mead & Hunt

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ENLARGED PLANS

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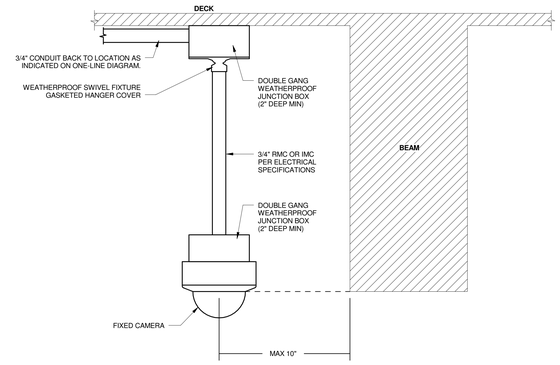
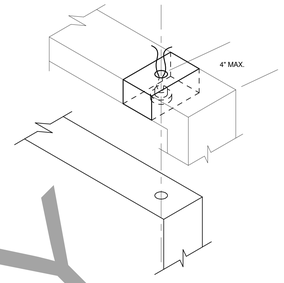
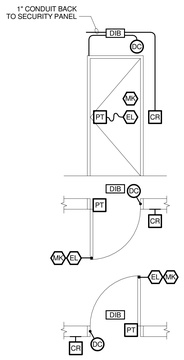


5 PENDANT CAMERA DETAIL
NO SCALE



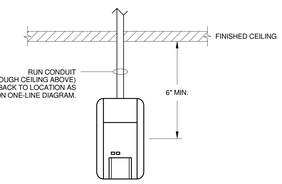
1 DUST BOX DETAIL FOR DOOR POSITION SWITCH
NO SCALE



PORTAL COMPONENTS						
QTY	DEVICE	MODEL NUMBER	FURNISH	INSTALL	PROVIDE	FIO
1	CREDENTIAL READER	HID PROXPRO			X	
1	PORTAL CONTACT	MAGNASPHERE MSS SERIES			X	
1	ELECTRIFIED LOCKSET W/ REQUEST TO EXIT MICRO SWITCH	REFER TO DIVISION 08 SPECIFICATIONS				X
1	POWER TRANSFER HINGE	REFER TO DIVISION 08 SPECIFICATIONS				X
1	DOOR INTERFACE BOX	DOUBLE GANG JB			X	
1	MECHANICAL KEY LOCK	REFER TO DIVISION 08 SPECIFICATIONS				X

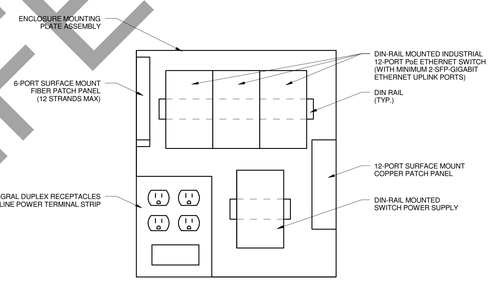
PORTAL OPERATION AND FUNCTION			
DESCRIPTION	CONFIGURE	PROGRAM	TEST
DURING UNOCCUPIED BUILDING STATUS THE BREAKING OF A "PORTAL CONTACT" SHALL ALARM LOCALLY AND TO TYCO SECURITY AT RECEIVER #877-482-4943 AND BACKUP #855-261-4672.	X	X	X
DURING OCCUPIED BUILDING STATUS THE BREAKING OF A "PORTAL CONTACT" WITHOUT A VALID CARD READ OR REQUEST TO EXIST SIGNAL SHALL ALARM LOCALLY AND TO TYCO SECURITY AT RECEIVER #877-482-4943 AND BACKUP #855-261-4672.	X	X	X
DURING OCCUPIED BUILDING STATUS A "PORTAL CONTACT(S)" REMAINING OPEN FOR LONGER THAN 1 MINUTE SHALL ALARM LOCALLY (EXCEPTIONS MAY APPLY).	X	X	X
UPON REQUEST TO EXIT SIGNAL OR VALID CARD READ (AND SECONDARY AUTHENTICATION WHEN REQUIRED) THE "PORTAL CONTACT(S)" SHALL BE SHUNTED (AND LOCKING MECHANISMS SHALL BE RELEASED AS REQUIRED) FOR A (USER DEFINED) PERIOD OF TIME. WHEN THE SHUNT TIME EXPIRES THE LOCKING MECHANISMS SHALL ENGAGE AND SECURE THE PORTAL(S).	X	X	X
EXCEPTIONS:			
NONE			

6 DOOR DETAIL
NO SCALE

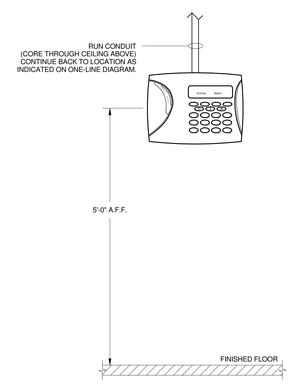


NOTES:
1. LOCATE UNIT SO THE EXPECTED INTRUDER MOVEMENT IS ACROSS THE DETECTION PATTERN FIELDS
2. DO NOT LOCATE UNIT ON A SURFACE EXPOSED TO MOISTURE.
3. DO NOT LOCATE UNIT IN ANY AREA CONTAINING EXCESSIVE METALLIC SURFACES.
4. DO NOT LOCATE UNIT WHERE IT MAY BE EXPOSED TO FALSE ALARM SOURCES SUCH AS: DIRECT SUNLIGHT, HEAT SOURCES (HEATERS, RADIATORS, ETC.) IN THE FIELD OF VIEW OR STRONG AIR DUCTS (FANS, AIR CONDITIONER, ETC.)
5. DO NOT LOCATE UNIT WHERE AMBIENT TEMPERATURE IS BELOW 32°F (0°C) OR ABOVE 131°F (55°C).

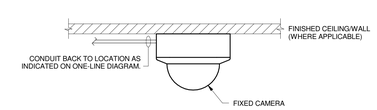
2 SURFACE MOUNTED INFRARED MOTION DETECTOR
NO SCALE



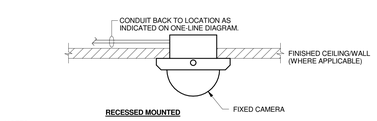
7 FIELD ENCLOSURE DETAIL
NO SCALE



3 SURFACE MOUNTED KEYPAD DEVICE
NO SCALE



SURFACE MOUNTED



RECESSED MOUNTED

NOTES:
1. PROVIDE SUPPORT CHAINS IN DROP CEILING - UNIT SHALL BE EQUIPPED WITH TAMPER RESISTANT SCREWS. APPLICABLE TO CAMERAS ONLY IN AREAS WITH ACCESSIBLE CEILING PANELS.

4 INTERIOR CAMERA DETAIL
NO SCALE

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LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
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DETAILS

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VIDEO SURVEILLANCE CAMERA SCHEDULE

CAMERA LABEL	NEW /EXSITING CAMERA	LOCATION	ROOM NUMBER	LOCATION REFERENCE SHEET	DETAIL REFERENCE SHEET	DETAIL ID	CAMERA TYPE (FIXED/PTZ)	REFER TO DIV. 27 SPECIFICATIONS: APPROXIMATE DISTANCE VERIFY IN FIELD: CAMERA HEIGHT	CAMERA VIEW TYPE: IDENTIFICATION	RECOGNITION	DETECTION	MONITORING	SPECIAL	CAMERA CABLING RUNS TO	CAMERA RECORDED	RECORDING RATE FPS	CAMERA LIVE VIEW	LIVE VIEW RATE FPS	CAMERA RESOLUTION	CAMERA PLACMENT OBJECTIVE	COMMENTS
U4-001	NEW	PARKING LEVEL U4 - EAST CORNER	U400	T120.1	T-501.0	5	FIXED					X		NEMA 4X ENCLOSURE IN SAME LEVEL WITH FIELD DEPLOYED HARDENED INDUSTRIAL MANAGED POE SWITCH(ES)	X	15	X	20	MAXIMUM	PROVIDE VISUAL VIDEO SURVEILANCE IN THE PARKING STRUCTURE	360° VIEW LENS
U4-002	NEW	PARKING LEVEL U4 - NORTHEAST SIDE	U400	T120.1	T-501.0	5	FIXED					X		NEMA 4X ENCLOSURE IN SAME LEVEL WITH FIELD DEPLOYED HARDENED INDUSTRIAL MANAGED POE SWITCH(ES)	X	15	X	20	MAXIMUM	PROVIDE VISUAL VIDEO SURVEILANCE IN THE PARKING STRUCTURE	360° VIEW LENS
U4-003	NEW	PARKING LEVEL U4 - NORTHWEST SIDE	U400	T120.1	T-501.0	5	FIXED					X		NEMA 4X ENCLOSURE IN SAME LEVEL WITH FIELD DEPLOYED HARDENED INDUSTRIAL MANAGED POE SWITCH(ES)	X	15	X	20	MAXIMUM	PROVIDE VISUAL VIDEO SURVEILANCE IN THE PARKING STRUCTURE	360° VIEW LENS
U4-004	NEW	PARKING LEVEL U4 - MIDDLE	U400	T120.1	T-501.0	5	FIXED					X		NEMA 4X ENCLOSURE IN SAME LEVEL WITH FIELD DEPLOYED HARDENED INDUSTRIAL MANAGED POE SWITCH(ES)	X	15	X	20	MAXIMUM	PROVIDE VISUAL VIDEO SURVEILANCE IN THE PARKING STRUCTURE	360° VIEW LENS
U4-005	NEW	PARKING LEVEL U4 - SOUTHEAST WALL	U400	T120.1	T-501.0	4	FIXED					X		NEMA 4X ENCLOSURE IN SAME LEVEL WITH FIELD DEPLOYED HARDENED INDUSTRIAL MANAGED POE SWITCH(ES)	X	15	X	20	MAXIMUM	PROVIDE VISUAL VIDEO SURVEILANCE IN THE PARKING STRUCTURE	180° VIEW LENS
U4-006	NEW	PARKING LEVEL U4 - SOUTHWEST SIDE	U400	T120.1	T-501.0	5	FIXED					X		NEMA 4X ENCLOSURE IN SAME LEVEL WITH FIELD DEPLOYED HARDENED INDUSTRIAL MANAGED POE SWITCH(ES)	X	15	X	20	MAXIMUM	PROVIDE VISUAL VIDEO SURVEILANCE IN THE PARKING STRUCTURE	360° VIEW LENS
U4-007	NEW	PARKING LEVEL U4 - WEST SIDE	U400	T120.1	T-501.0	5	FIXED					X		NEMA 4X ENCLOSURE IN SAME LEVEL WITH FIELD DEPLOYED HARDENED INDUSTRIAL MANAGED POE SWITCH(ES)	X	15	X	20	MAXIMUM	PROVIDE VISUAL VIDEO SURVEILANCE IN THE PARKING STRUCTURE	360° VIEW LENS
U4-008	NEW	VESTIBULE	U406	T120.1	T-501.0	4	FIXED		X					NEMA 4X ENCLOSURE IN SAME LEVEL WITH FIELD DEPLOYED HARDENED INDUSTRIAL MANAGED POE SWITCH(ES)	X	15	X	20	MAXIMUM	PROVIDE VISUAL VIDEO SURVEILANCE IN THE PARKING STRUCTURE	360° VIEW LENS
U4-009	NEW	VESTIBULE	U404	T120.1	T-501.0	4	FIXED		X					NEMA 4X ENCLOSURE IN SAME LEVEL WITH FIELD DEPLOYED HARDENED INDUSTRIAL MANAGED POE SWITCH(ES)	X	15	X	20	MAXIMUM	PROVIDE VISUAL VIDEO SURVEILANCE IN THE PARKING STRUCTURE	
U4-010	NEW	VESTIBULE	U401	T120.1	T-501.0	4	FIXED		X					NEMA 4X ENCLOSURE IN SAME LEVEL WITH FIELD DEPLOYED HARDENED INDUSTRIAL MANAGED POE SWITCH(ES)	X	15	X	20	MAXIMUM	PROVIDE VISUAL VIDEO SURVEILANCE IN THE PARKING STRUCTURE	360° VIEW LENS
U3-001	NEW	PARKING LEVEL U3 - EAST CORNER	U300	T120.2	T-501.0	5	FIXED					X		NEMA 4X ENCLOSURE IN SAME LEVEL WITH FIELD DEPLOYED HARDENED INDUSTRIAL MANAGED POE SWITCH(ES)	X	15	X	20	MAXIMUM	PROVIDE VISUAL VIDEO SURVEILANCE IN THE PARKING STRUCTURE	360° VIEW LENS
U3-002	NEW	PARKING LEVEL U3 - NORTHEAST SIDE	U300	T120.2	T-501.0	5	FIXED					X		NEMA 4X ENCLOSURE IN SAME LEVEL WITH FIELD DEPLOYED HARDENED INDUSTRIAL MANAGED POE SWITCH(ES)	X	15	X	20	MAXIMUM	PROVIDE VISUAL VIDEO SURVEILANCE IN THE PARKING STRUCTURE	360° VIEW LENS
U3-003	NEW	PARKING LEVEL U3 - NORTH SIDE	U300	T120.2	T-501.0	5	FIXED					X		NEMA 4X ENCLOSURE IN SAME LEVEL WITH FIELD DEPLOYED HARDENED INDUSTRIAL MANAGED POE SWITCH(ES)	X	15	X	20	MAXIMUM	PROVIDE VISUAL VIDEO SURVEILANCE IN THE PARKING STRUCTURE	360° VIEW LENS
U3-004	NEW	PARKING LEVEL U3 - NORTHWEST SIDE	U300	T120.2	T-501.0	5	FIXED					X		NEMA 4X ENCLOSURE IN SAME LEVEL WITH FIELD DEPLOYED HARDENED INDUSTRIAL MANAGED POE SWITCH(ES)	X	15	X	20	MAXIMUM	PROVIDE VISUAL VIDEO SURVEILANCE IN THE PARKING STRUCTURE	360° VIEW LENS
U3-005	NEW	PARKING LEVEL U3 - MIDDLE	U300	T120.2	T-501.0	5	FIXED					X		NEMA 4X ENCLOSURE IN SAME LEVEL WITH FIELD DEPLOYED HARDENED INDUSTRIAL MANAGED POE SWITCH(ES)	X	15	X	20	MAXIMUM	PROVIDE VISUAL VIDEO SURVEILANCE IN THE PARKING STRUCTURE	360° VIEW LENS
U3-006	NEW	PARKING LEVEL U3 - SOUTHEAST WALL	U300	T120.2	T-501.0	4	FIXED					X		NEMA 4X ENCLOSURE IN SAME LEVEL WITH FIELD DEPLOYED HARDENED INDUSTRIAL MANAGED POE SWITCH(ES)	X	15	X	20	MAXIMUM	PROVIDE VISUAL VIDEO SURVEILANCE IN THE PARKING STRUCTURE	180° VIEW LENS
U3-007	NEW	PARKING LEVEL U3 - SOUTHWEST SIDE	U300	T120.2	T-501.0	5	FIXED					X		NEMA 4X ENCLOSURE IN SAME LEVEL WITH FIELD DEPLOYED HARDENED INDUSTRIAL MANAGED POE SWITCH(ES)	X	15	X	20	MAXIMUM	PROVIDE VISUAL VIDEO SURVEILANCE IN THE PARKING STRUCTURE	360° VIEW LENS
U3-008	NEW	PARKING LEVEL U3 - WEST SIDE	U300	T120.2	T-501.0	5	FIXED					X		NEMA 4X ENCLOSURE IN SAME LEVEL WITH FIELD DEPLOYED HARDENED INDUSTRIAL MANAGED POE SWITCH(ES)	X	15	X	20	MAXIMUM	PROVIDE VISUAL VIDEO SURVEILANCE IN THE PARKING STRUCTURE	360° VIEW LENS
U3-009	NEW	VESTIBULE	U309	T120.2	T-501.0	4	FIXED		X					NEMA 4X ENCLOSURE IN SAME LEVEL WITH FIELD DEPLOYED HARDENED INDUSTRIAL MANAGED POE SWITCH(ES)	X	15	X	20	MAXIMUM	PROVIDE VISUAL VIDEO SURVEILANCE IN THE PARKING STRUCTURE	360° VIEW LENS
U3-010	NEW	VESTIBULE	U305	T120.2	T-501.0	4	FIXED		X					NEMA 4X ENCLOSURE IN SAME LEVEL WITH FIELD DEPLOYED HARDENED INDUSTRIAL MANAGED POE SWITCH(ES)	X	15	X	20	MAXIMUM	PROVIDE VISUAL VIDEO SURVEILANCE IN THE PARKING STRUCTURE	360° VIEW LENS
U3-011	NEW	VESTIBULE	U302	T120.2	T-501.0	4	FIXED		X					NEMA 4X ENCLOSURE IN SAME LEVEL WITH FIELD DEPLOYED HARDENED INDUSTRIAL MANAGED POE SWITCH(ES)	X	15	X	20	MAXIMUM	PROVIDE VISUAL VIDEO SURVEILANCE IN THE PARKING STRUCTURE	360° VIEW LENS
U2-001	NEW	PARKING LEVEL U2 - EAST CORNER	U200	T120.3	T-501.0	5	FIXED					X		NEMA 4X ENCLOSURE IN SAME LEVEL WITH FIELD DEPLOYED HARDENED INDUSTRIAL MANAGED POE SWITCH(ES)	X	15	X	20	MAXIMUM	PROVIDE VISUAL VIDEO SURVEILANCE IN THE PARKING STRUCTURE	360° VIEW LENS
U2-002	NEW	PARKING LEVEL U2 - NORTHEAST SIDE	U200	T120.3	T-501.0	5	FIXED					X		NEMA 4X ENCLOSURE IN SAME LEVEL WITH FIELD DEPLOYED HARDENED INDUSTRIAL MANAGED POE SWITCH(ES)	X	15	X	20	MAXIMUM	PROVIDE VISUAL VIDEO SURVEILANCE IN THE PARKING STRUCTURE	360° VIEW LENS
U2-003	NEW	PARKING LEVEL U2 - NORTH SIDE	U200	T120.3	T-501.0	5	FIXED					X		NEMA 4X ENCLOSURE IN SAME LEVEL WITH FIELD DEPLOYED HARDENED INDUSTRIAL MANAGED POE SWITCH(ES)	X	15	X	20	MAXIMUM	PROVIDE VISUAL VIDEO SURVEILANCE IN THE PARKING STRUCTURE	360° VIEW LENS
U2-004	NEW	PARKING LEVEL U2 - NORTHWEST SIDE	U200	T120.3	T-501.0	5	FIXED					X		NEMA 4X ENCLOSURE IN SAME LEVEL WITH FIELD DEPLOYED HARDENED INDUSTRIAL MANAGED POE SWITCH(ES)	X	15	X	20	MAXIMUM	PROVIDE VISUAL VIDEO SURVEILANCE IN THE PARKING STRUCTURE	360° VIEW LENS
U2-005	NEW	PARKING LEVEL U2 - MIDDLE	U200	T120.3	T-501.0	5	FIXED					X		NEMA 4X ENCLOSURE IN SAME LEVEL WITH FIELD DEPLOYED HARDENED INDUSTRIAL MANAGED POE SWITCH(ES)	X	15	X	20	MAXIMUM	PROVIDE VISUAL VIDEO SURVEILANCE IN THE PARKING STRUCTURE	360° VIEW LENS
U2-006	NEW	PARKING LEVEL U2 - SOUTHEAST WALL	U200	T120.3	T-501.0	4	FIXED					X		NEMA 4X ENCLOSURE IN SAME LEVEL WITH FIELD DEPLOYED HARDENED INDUSTRIAL MANAGED POE SWITCH(ES)	X	15	X	20	MAXIMUM	PROVIDE VISUAL VIDEO SURVEILANCE IN THE PARKING STRUCTURE	180° VIEW LENS
U2-007	NEW	PARKING LEVEL U2 - SOUTHWEST SIDE	U200	T120.3	T-501.0	5	FIXED					X		NEMA 4X ENCLOSURE IN SAME LEVEL WITH FIELD DEPLOYED HARDENED INDUSTRIAL MANAGED POE SWITCH(ES)	X	15	X	20	MAXIMUM	PROVIDE VISUAL VIDEO SURVEILANCE IN THE PARKING STRUCTURE	360° VIEW LENS
U2-008	NEW	PARKING LEVEL U2 - WEST SIDE	U200	T120.3	T-501.0	5	FIXED					X		NEMA 4X ENCLOSURE IN SAME LEVEL WITH FIELD DEPLOYED HARDENED INDUSTRIAL MANAGED POE SWITCH(ES)	X	15	X	20	MAXIMUM	PROVIDE VISUAL VIDEO SURVEILANCE IN THE PARKING STRUCTURE	360° VIEW LENS
U2-009	NEW	VESTIBULE	U212	T120.3	T-501.0	4	FIXED		X					NEMA 4X ENCLOSURE IN SAME LEVEL WITH FIELD DEPLOYED HARDENED INDUSTRIAL MANAGED POE SWITCH(ES)	X	15	X	20	MAXIMUM	PROVIDE VISUAL VIDEO SURVEILANCE IN THE PARKING STRUCTURE	360° VIEW LENS
U2-010	NEW	VESTIBULE	U208	T120.3	T-501.0	4	FIXED		X					NEMA 4X ENCLOSURE IN SAME LEVEL WITH FIELD DEPLOYED HARDENED INDUSTRIAL MANAGED POE SWITCH(ES)	X	15	X	20	MAXIMUM	PROVIDE VISUAL VIDEO SURVEILANCE IN THE PARKING STRUCTURE	360° VIEW LENS
U2-011	NEW	VESTIBULE	U202	T120.3	T-501.0	4	FIXED		X					NEMA 4X ENCLOSURE IN SAME LEVEL WITH FIELD DEPLOYED HARDENED INDUSTRIAL MANAGED POE SWITCH(ES)	X	15	X	20	MAXIMUM	PROVIDE VISUAL VIDEO SURVEILANCE IN THE PARKING STRUCTURE	360° VIEW LENS
U1-001	NEW	PARKING LEVEL U1 - EAST CORNER	U200	T120.4	T-501.0	5	FIXED					X		NEMA 4X ENCLOSURE IN SAME LEVEL WITH FIELD DEPLOYED HARDENED INDUSTRIAL MANAGED POE SWITCH(ES)	X	15	X	20	MAXIMUM	PROVIDE VISUAL VIDEO SURVEILANCE IN THE PARKING STRUCTURE	360° VIEW LENS
U1-002	NEW	PARKING LEVEL U1 - NORTHEAST SIDE	U200	T120.4	T-501.0	5	FIXED					X		NEMA 4X ENCLOSURE IN SAME LEVEL WITH FIELD DEPLOYED HARDENED INDUSTRIAL MANAGED POE SWITCH(ES)	X	15	X	20	MAXIMUM	PROVIDE VISUAL VIDEO SURVEILANCE IN THE PARKING STRUCTURE	360° VIEW LENS
U1-003	NEW	PARKING LEVEL U1 - NORTH SIDE	U200	T120.4	T-501.0	5	FIXED					X		NEMA 4X ENCLOSURE IN SAME LEVEL WITH FIELD DEPLOYED HARDENED INDUSTRIAL MANAGED POE SWITCH(ES)	X	15	X	20	MAXIMUM	PROVIDE VISUAL VIDEO SURVEILANCE IN THE PARKING STRUCTURE	360° VIEW LENS
U1-004	NEW	PARKING LEVEL U1 - NORTHWEST SIDE	U200	T120.4	T-501.0	5	FIXED					X		NEMA 4X ENCLOSURE IN SAME LEVEL WITH FIELD DEPLOYED HARDENED INDUSTRIAL MANAGED POE SWITCH(ES)	X	15	X	20	MAXIMUM	PROVIDE VISUAL VIDEO SURVEILANCE IN THE PARKING STRUCTURE	360° VIEW LENS
U1-005	NEW	PARKING LEVEL U1 - MIDDLE	U200	T120.4	T-501.0	5	FIXED					X		NEMA 4X ENCLOSURE IN SAME LEVEL WITH FIELD DEPLOYED HARDENED INDUSTRIAL MANAGED POE SWITCH(ES)	X	15	X	20	MAXIMUM	PROVIDE VISUAL VIDEO SURVEILANCE IN THE PARKING STRUCTURE	360° VIEW LENS
U1-006	NEW	PARKING LEVEL U1 - SOUTHEAST WALL	U200	T120.4	T-501.0	4	FIXED					X		NEMA 4X ENCLOSURE IN SAME LEVEL WITH FIELD DEPLOYED HARDENED INDUSTRIAL MANAGED POE SWITCH(ES)	X	15	X	20	MAXIMUM	PROVIDE VISUAL VIDEO SURVEILANCE IN THE PARKING STRUCTURE	180° VIEW LENS
U1-007	NEW	PARKING LEVEL U1 - SOUTHWEST SIDE	U200	T120.4	T-501.0	5	FIXED					X		NEMA 4X ENCLOSURE IN SAME LEVEL WITH FIELD DEPLOYED HARDENED INDUSTRIAL MANAGED POE SWITCH(ES)	X	15	X	20	MAXIMUM	PROVIDE VISUAL VIDEO SURVEILANCE IN THE PARKING STRUCTURE	360° VIEW LENS
U1-008	NEW	PARKING LEVEL U1 - WEST SIDE	U200	T120.4	T-501.0	5	FIXED					X		NEMA 4X ENCLOSURE IN SAME LEVEL WITH FIELD DEPLOYED HARDENED INDUSTRIAL MANAGED POE SWITCH(ES)	X	15	X	20	MAXIMUM	PROVIDE VISUAL VIDEO SURVEILANCE IN THE PARKING STRUCTURE	360° VIEW LENS
U1-009	NEW	VESTIBULE	U109	T120.4	T-501.0	4	FIXED		X					NEMA 4X ENCLOSURE IN SAME LEVEL WITH FIELD DEPLOYED HARDENED INDUSTRIAL MANAGED POE SWITCH(ES)	X	15	X	20	MAXIMUM	PROVIDE VISUAL VIDEO SURVEILANCE IN THE PARKING STRUCTURE	360° VIEW LENS
U1-010	NEW	VESTIBULE	U105	T120.4	T-501.0	4	FIXED		X					NEMA 4X ENCLOSURE IN SAME LEVEL WITH FIELD DEPLOYED HARDENED INDUSTRIAL MANAGED POE SWITCH(ES)	X	15	X	20	MAXIMUM	PROVIDE VISUAL VIDEO SURVEILANCE IN THE PARKING STRUCTURE	360° VIEW LENS
U1-011	NEW	VESTIBULE	U102	T120.4	T-501.0	4	FIXED		X					NEMA 4X ENCLOSURE IN SAME LEVEL WITH FIELD DEPLOYED HARDENED INDUSTRIAL MANAGED POE SWITCH(ES)	X	15	X	20	MAXIMUM	PROVIDE VISUAL VIDEO SURVEILANCE IN THE PARKING STRUCTURE	360° VIEW LENS
U0-001	NEW	PARKING LEVEL U0 - EAST SIDE	U000	T120.5	T-501.0	5	FIXED					X		NEMA 4X ENCLOSURE IN SAME LEVEL WITH FIELD DEPLOYED HARDENED INDUSTRIAL MANAGED POE SWITCH(ES)	X	15	X	20	MAXIMUM	PROVIDE VISUAL VIDEO SURVEILANCE IN THE PARKING STRUCTURE	360° VIEW LENS
U0-002	NEW	PARKING LEVEL U0 - NORTH WALL	U000	T120.5	T-501.0	4	FIXED					X		NEMA 4X ENCLOSURE IN SAME LEVEL WITH FIELD DEPLOYED HARDENED INDUSTRIAL MANAGED POE SWITCH(ES)	X	15	X	20	MAXIMUM	PROVIDE VISUAL VIDEO SURVEILANCE IN THE PARKING STRUCTURE	180° VIEW LENS
U0-003	NEW	PARKING LEVEL U0 - MIDDLE	U000	T120.5	T-501.0	5	FIXED					X		NEMA 4X ENCLOSURE IN SAME LEVEL WITH FIELD DEPLOYED HARDENED INDUSTRIAL MANAGED POE SWITCH(ES)	X	15	X	20	MAXIMUM	PROVIDE VISUAL VIDEO SURVEILANCE IN THE PARKING STRUCTURE	360° VIEW LENS
U0-004	NEW	PARKING LEVEL U0 - WEST WALL	U000	T120.5	T-501.0	4	FIXED					X		NEMA 4X ENCLOSURE IN SAME LEVEL WITH FIELD DEPLOYED HARDENED INDUSTRIAL MANAGED POE SWITCH(ES)	X	15	X	20	MAXIMUM	PROVIDE VISUAL VIDEO SURVEILANCE IN THE PARKING STRUCTURE	180° VIEW LENS
U0-005	NEW	PARKING LEVEL U0 - NORTHWEST COLUMN	U000	T120.5	T-501.0	4	FIXED					X		NEMA 4X ENCLOSURE IN SAME LEVEL WITH FIELD DEPLOYED HARDENED INDUSTRIAL MANAGED POE SWITCH(ES)	X	15	X	20	MAXIMUM	PROVIDE VISUAL VIDEO SURVEILANCE IN THE PARKING STRUCTURE	180° VIEW LENS
U0-006	NEW	VESTIBULE	U012	T120.5	T-501.0	4	FIXED		X					NEMA 4X ENCLOSURE IN SAME LEVEL WITH FIELD DEPLOYED HARDENED INDUSTRIAL MANAGED POE SWITCH(ES)	X	15	X	20	MAXIMUM	PROVIDE VISUAL VIDEO SURVEILANCE IN THE PARKING STRUCTURE	360° VIEW LENS
U0-007	NEW	VESTIBULE	U009	T120.5	T-501.0	4	FIXED		X					NEMA 4X ENCLOSURE IN SAME LEVEL WITH FIELD DEPLOYED HARDENED INDUSTRIAL MANAGED POE SWITCH(ES)	X	15	X	20	MAXIMUM	PROVIDE VISUAL VIDEO SURVEILANCE IN THE PARKING STRUCTURE	360° VIEW LENS
L1-001	NEW	CORRIDOR	0102	T121.0	T-501.0	4	FIXED		X					RACK IN MANAGEMENT OFFICE	X	15	X	20	MAXIMUM	PROVIDE VISUAL VIDEO SURVEILANCE IN THE PARKING STRUCTURE	360° VIEW LENS
L1-002	NEW	VESTIBULE	0103	T121.0	T-501.0	4	FIXED		X					RACK IN MANAGEMENT OFFICE	X	15	X	20	MAXIMUM	PROVIDE VISUAL VIDEO SURVEILANCE IN THE PARKING STRUCTURE	
L1-003	NEW	VESTIBULE	0103	T121.0	T-501.0	4	FIXED		X					RACK IN MANAGEMENT OFFICE	X	15	X	20	MAXIMUM	PROVIDE VISUAL VIDEO SURVEILANCE IN THE PARKING STRUCTURE	
L1-004	NEW	VESTIBULE	0103	T121.0	T-501.0	4	FIXED		X					RACK IN MANAGEMENT OFFICE	X	15	X	20	MAXIMUM	PROVIDE VISUAL VIDEO SURVEILANCE IN THE PARKING STRUCTURE	360° VIEW LENS
L1-005	NEW	GARAGE OFFICE	1014	T121.0	T-501.0	4	FIXED		X					RACK IN MANAGEMENT OFFICE	X	15	X	20	MAXIMUM	PROVIDE VISUAL VIDEO SURVEILANCE IN THE PARKING STRUCTURE	360° VIEW LENS
L1-006	NEW			T121.0	T-501.0	4	FIXED		X					RACK IN MANAGEMENT OFFICE	X	15	X	20	MAXIMUM	PROVIDE VISUAL VIDEO SURVEILANCE IN THE PARKING STRUCTURE	
L1-007	NEW			T121.0	T-501.0	4	FIXED		X					RACK IN MANAGEMENT OFFICE	X	15	X	20	MAXIMUM	PROVIDE VISUAL VIDEO SURVEILANCE IN THE PARKING STRUCTURE	180° VIEW LENS
L1-008	NEW			T121.0	T-501.0	4	FIXED		X					RACK IN MANAGEMENT OFFICE	X	15	X	20	MAXIMUM	PROVIDE VISUAL VIDEO SURVEILANCE IN THE PARKING STRUCTURE	180° VIEW LENS
L1-009	NEW			T121.0	T-501.0	4	FIXED		X					RACK IN MANAGEMENT OFFICE	X	15	X	20	MAXIMUM	PROVIDE VISUAL VIDEO SURVEILANCE IN THE PARKING STRUCTURE	180° VIEW LENS
L2-001	NEW			T122.0	T-501.0	4	FIXED		X					RACK IN MANAGEMENT OFFICE	X	15	X	20	MAXIMUM	PROVIDE VISUAL VIDEO SURVEILANCE IN THE PARKING STRUCTURE	180° VIEW LENS
L2-002	NEW			T122.0	T-501.0	4	FIXED		X					RACK IN MANAGEMENT OFFICE	X	15	X	20	MAXIMUM	PROVIDE VISUAL VIDEO SURVEILANCE IN THE PARKING STRUCTURE	180° VIEW LENS
L2-003	NEW			T122.0	T-501.0	4	FIXED		X					RACK IN MANAGEMENT OFFICE	X	15	X	20	MAXIMUM	PROVIDE VISUAL VIDEO SURVEILANCE IN THE PARKING STRUCTURE	180° VIEW LENS
L2-004	NEW	VESTIBULE	0201	T122.0	T-501.0	4	FIXED		X					RACK IN MANAGEMENT OFFICE	X	15	X	20	MAXIMUM	PROVIDE VISUAL VIDEO SURVEILANCE IN THE PARKING STRUCTURE	360° VIEW LENS
L2-005	NEW	VESTIBULE	0201	T122.0	T-501.0	4	FIXED		X					RACK IN MANAGEMENT OFFICE	X	15	X	20	MAXIMUM	PROVIDE VISUAL VIDEO SURVEILANCE IN THE PARKING STRUCTURE	
L2-006	NEW	VESTIBULE	0201	T122.0	T-501.0	4	FIXED		X					RACK IN MANAGEMENT OFFICE	X	15	X	20	MAXIMUM	PROVIDE VISUAL VIDEO SURVEILANCE IN THE PARKING STRUCTURE	

FOR REFERENCE ONLY

7	BULLETIN #2	12/07/2017
6	BID DOCUMENTS	09/07/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD/S/ OWNERS REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/26/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE

SCHEDULES

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RJL

DP

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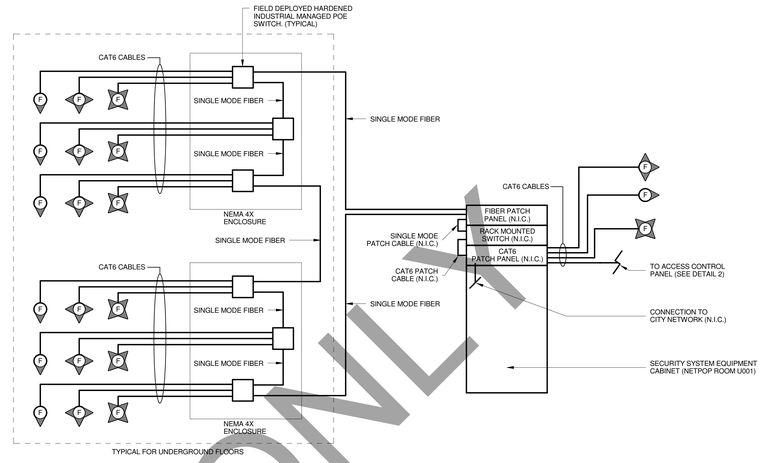
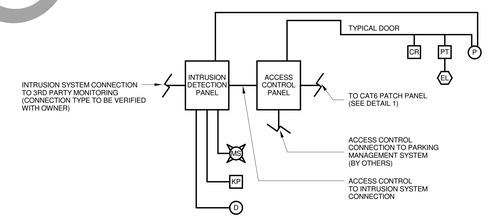
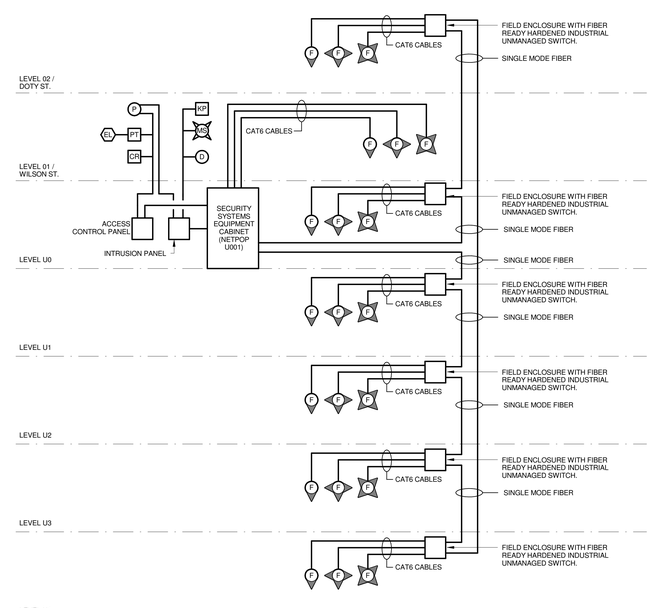


1 **VIDEO SURVEILLANCE ONE-LINE DIAGRAM**
NO SCALE



2 **TYPICAL ACCESS CONTROL AND INTRUSION ONE-LINE DIAGRAM**
NO SCALE



3 **SYSTEM RISER DIAGRAM**
NO SCALE

FOR REFERENCE ONLY

7	BULLETIN #2	12/07/2017
6	BID DOCUMENTS	09/07/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/ OWNERS REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/26/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano
ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS
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ONE-LINE DIAGRAMS

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FIRE PROTECTION SYMBOLS AND ABBREVIATIONS

SYMBOLS INDICATED HERE AND NOT USED IN THE CONTRACT DOCUMENTS DO NOT APPLY TO THIS PROJECT. ADDITIONAL SYMBOLS MAY BE INDICATED IN THE CONTRACT DOCUMENTS.

GENERAL SYMBOLS

- XF — EXISTING FIRE SUPPLY
- F — FIRE SUPPLY
- XSPR — EXISTING SPRINKLER PIPE
- SPR — SPRINKLER PIPE
- DSPR — DRY SPRINKLER PIPE
- GALV — GALVANIZED SPRINKLER PIPE
- W — WATER SERVICE
- ELBOW DOWN
- ELBOW UP
- TEE DOWN
- TEE UP
- PIPE CAP OR FLUSHING CONNECTION
- PIPE SLEEVE
- CONCENTRIC REDUCER
- ECCENTRIC REDUCER
- SHUTOFF VALVE (SUPERVISED)
- SUPERVISED BUTTERFLY VALVE
- SUPERVISED OS&Y VALVE
- VALVE IN VERTICAL
- CHECK VALVE
- ALARM CHECK VALVE
- DRY PIPE VALVE ASSEMBLY
- PREACTION VALVE ASSEMBLY
- DELUGE VALVE ASSEMBLY
- SPRINKLER ZONE CONTROL VALVE ASSEMBLY
- FLOW SWITCH
- PRESSURE GAUGE (WITH VALVE)
- DOUBLE CHECK BACKFLOW PREVENTER (DCBP)
- REDUCED PRESSURE ZONE BACKFLOW PREVENTER (RPBP)
- F — HORN/STROBE
- B F — FIRE ALARM BELL
- I — SMOKE DETECTOR IONIZATION TYPE
- P — SMOKE DETECTOR PHOTOELECTRIC TYPE
- H — HEAT DETECTOR
- V — AIR-ASPIRATING SMOKE DETECTOR
- # — SPRINKLER HEAD REFER TO DRAWING SPRINKLER HEAD LEGEND FOR TYPE
- # — EXISTING SPRINKLER HEAD CEILING MOUNTED
- # — SIDEWALL SPRINKLER HEAD
- EXISTING SIDEWALL SPRINKLER HEAD
- FDC — FIRE DEPARTMENT CONNECTION
- FPTH — FIRE PUMP TEST HEADER
- FDC — STORZ CONNECTION
- FDV — FIRE DEPARTMENT VALVE
- ROOFTOP TEST HEADER
- FHC — FIRE HOSE CABINET
- FHR — FIRE HOSE RACK
- FVC — FIRE VALVE CABINET
- EVC — EXISTING VALVE CABINET
- INSPECTOR'S TEST ASSEMBLY
- INSPECTOR'S TEST AND DRAIN ASSEMBLY
- SUPERVISED POST INDICATOR VALVE (PIV)
- PUMP (FLOW DIAGRAM)
- PUMP (FLOOR PLAN)
- PIPE HANGER
- SPRINKLER ZONE BOUNDARY
- HYDRAULIC CALCULATION DESIGN AREA
- DEMOLITION OF PIPING, DEVICE, ETC.
- PIPE SIZE / PIPE LENGTH — SPRINKLER PIPE TEXT (TOP INDICATES PIPE SIZE) (BOTTOM INDICATES CENTER TO CENTER PIPE LENGTH)

ABBREVIATIONS

AC	- AIR COMPRESSOR
ACC	- ACCESS
ACV	- ALARM CHECK VALVE
ADJ	- ADJUSTABLE
AFF	- ABOVE FINISHED FLOOR
ALT	- ALTERNATE
AP	- ACCESS PANEL
APPROX	- APPROXIMATE
ARCH	- ARCHITECTURAL
ASSY	- ASSEMBLY
ATS	- AUTOMATIC TRANSFER SWITCH
BLDG	- BUILDING
BOP	- BOTTOM OF PIPE
BOT	- BOTTOM
BTWN	- BETWEEN
CFCI	- CONTRACTOR FURNISHED CONTRACTOR INSTALLED
CL	- CENTERLINE
CLG	- CEILING
CONN	- CONNECTION / CONNECT
CONTR	- CONTRACTOR
CORR	- CORRIDOR
CU	- COPPER
D	- DEPTH/DRAIN LINE
DCBP	- DOUBLE CHECK BACKFLOW PREVENTER
DDBP	- DOUBLE DETECTOR BACKFLOW PREVENTER
DET	- DETAIL
DIA	- DIAMETER
DIM	- DIMENSION
DN	- DOWN
DSPR	- DRY SPRINKLER PIPE
DWG	- DRAWING
EA	- EACH
ELEV	- ELEVATION
EQUIP	- EQUIPMENT
ETR	- EXISTING TO REMAIN
EXT	- EXTERIOR
F	- FIRE SUPPLY
FACP	- FIRE ALARM CONTROL PANEL
FDC	- FIRE DEPARTMENT CONNECTION
FDV	- FIRE DEPARTMENT VALVE
FHC	- FIRE HOSE CABINET
FHR	- FIRE HOSE RACK
FLR	- FLOOR
FMG	- FACTORY MUTUAL GLOBAL
FPC	- FIRE PUMP CONTROLLER
FPTH	- FIRE PUMP TEST HEADER
FS	- FLOW SWITCH
FT	- FEET
FTG	- FOOTING
FVC	- FIRE VALVE CABINET
GA	- GAUGE
GAL	- GALLON
GALV	- GALVANIZED
GPM	- GALLONS PER MINUTE
HD	- HUB DRAIN
IBC	- INTERNATIONAL BUILDING CODE
ID	- INSIDE DIAMETER
IE	- INVERT ELEVATION
IFC	- INTERNATIONAL FIRE CODE
IN	- INCHES
JP	- JOCKEY PUMP
JPC	- JOCKEY PUMP CONTROLLER
L	- LENGTH
LBS	- POUNDS
MAX	- MAXIMUM
MEZZ	- MEZZANINE
MFR	- MANUFACTURER
MIN	- MINIMUM / MINUTE
MISC	- MISCELLANEOUS
MTD	- MOUNTED
MTG	- MOUNTING
NFPA	- NATIONAL FIRE PROTECTION ASSOCIATION
NO	- NUMBER
NOM	- NOMINAL
NPT	- NATIONAL PIPE THREAD
NTS	- NOT TO SCALE
OC	- ON CENTER
OD	- OUTSIDE DIAMETER
OFCI	- OWNER FURNISHED CONTRACTOR INSTALLED
OFOI	- OWNER FURNISHED OWNER INSTALLED
PIV	- POST INDICATOR VALVE
PLBG	- PLUMBING
PRESS	- PRESSURE
PRV	- PRESSURE REDUCING VALVE
PSF	- POUNDS PER SQUARE FOOT
PSI	- POUNDS PER SQUARE INCH
PSIG	- POUNDS PER SQUARE INCH GAUGE
RAD	- RADIUS
REC	- RECESSED
REQD	- REQUIRED
RI	- ROUGH-IN
RPM	- REVOLUTIONS PER MINUTE
RPBP	- REDUCED PRESSURE ZONE BACKFLOW PREVENTER
RV	- RELIEF VALVE
SCH	- SCHEDULE
SHT	- SHEET
SPEC	- SPECIFICATION
SPR	- SPRINKLER
SQ	- SQUARE
SS	- STAINLESS STEEL
STRU	- STRUCTURAL / STRUCTURE
TEMP	- TEMPERATURE
TC	- TEST CELL
TOB	- TOP OF BEAM
TOD	- TOP OF DECK
TOJ	- TOP OF JOIST
TOS	- TOP OF SLAB / TOP OF STEEL
TYP	- TYPICAL
UBC	- UNIFORM BUILDING CODE
UFC	- UNIFORM FIRE CODE
UNO	- UNLESS NOTED OTHERWISE
V	- VALVE
VEL	- VELOCITY
VESDA	- VERY EARLY SMOKE DETECTION APPARATUS
VOL	- VOLUME
W	- WIDTH
W/	- WITH
W/O	- WITHOUT
X	- EXISTING

REFERENCE SYMBOLS

- P / E — EQUIPMENT (PUMP INDICATED)
- Z — SPECIALTY ITEMS (I.E. GAUGE FILTER, ETC.)
- REFER / M-1 — PLAN CONTINUATION REFERENCE
- 1 / M-1 — SECTION DESIGNATION (TOP DESIGNATES SECTION NUMBER, BOTTOM DESIGNATES ON WHICH SHEET SECTION APPEARS)
- MATCHLINE DESIGNATION
- ELEVATION SYMBOL
- NEW CONNECTION TO EXISTING
- 2 / M-1 — DETAIL REFERENCE (TOP=DETAIL NO., BOTTOM=DRAWING NO. SHOWN ON)
- A/15B-6 OR A / 15B-6 — DETAIL REFERENCE (TOP=DETAIL NO., BOTTOM=SHEET NO. IN DETAIL MANUAL)
- 1 — REVISION REFERENCE
- 1 — GENERAL OR SPECIAL NOTES REFERENCE
- 102 — ROOM NUMBER DESIGNATION
- <1001> — CONSTRUCTION BULLETIN REVISION NUMBER

FOR REFERENCE ONLY

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1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

NEW MUNICIPAL PARKING FACILITY

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano
ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS
MADISON | CHICAGO | DENVER

PARKING CONSULTANT:
WALKER
PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS
A WSP | PARSONS BRINCKERHOFF COMPANY

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

FIRE PROTECTION SYMBOLS & ABBREVIATIONS

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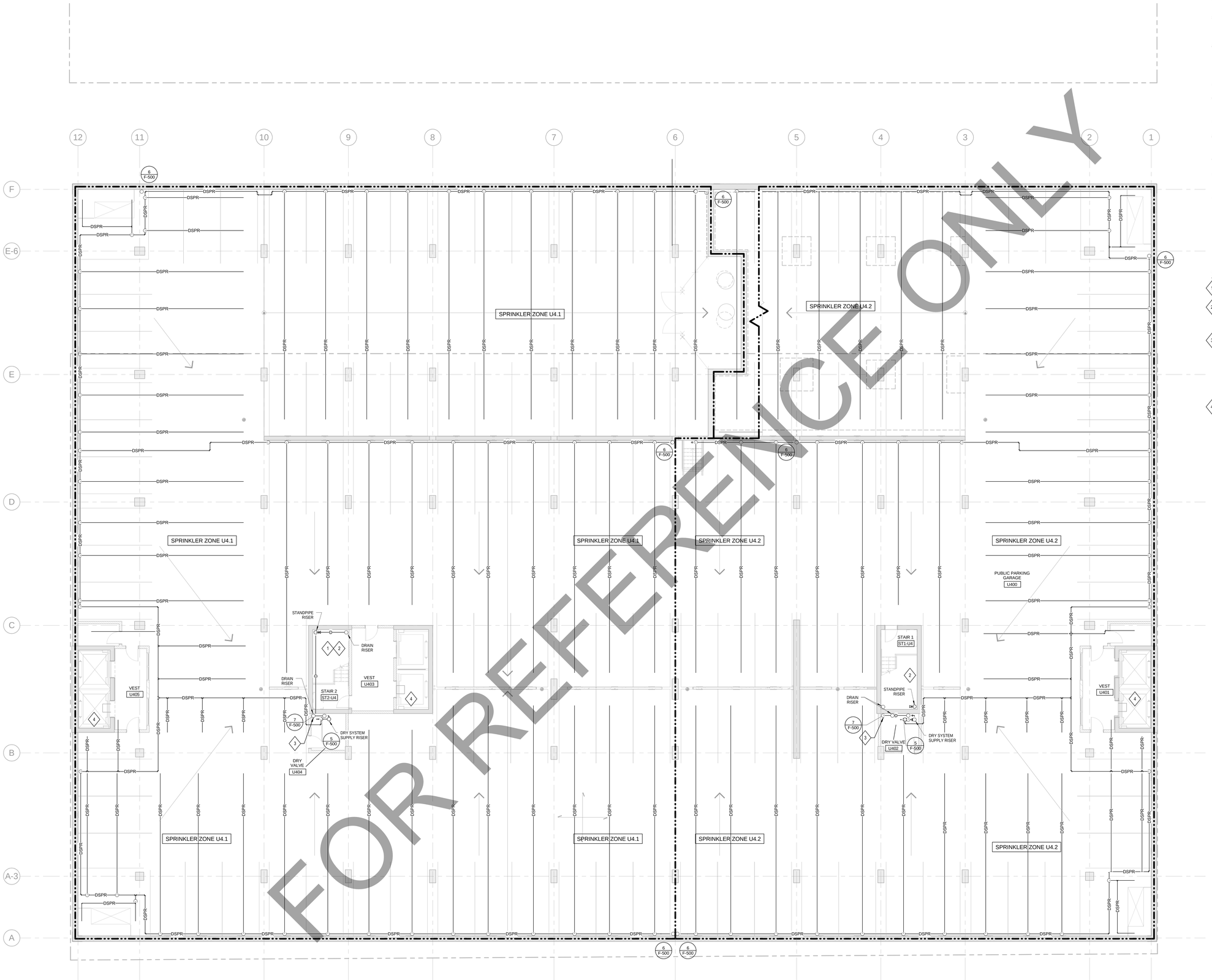

FOR REFERENCE ONLY

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2. INSTALLATION OF STANDPIPE SYSTEM SHALL BE IN ACCORDANCE WITH NFPA 14, INSTALLATION OF STANDPIPE AND HOSE SYSTEMS.
3. CONTRACTOR SHALL CONSULT WITH ARCHITECT DURING DEVELOPMENT OF PIPING LAYOUT TO AVOID CONFLICTS WITH GENERAL APPEARANCE. PIPE ROUTING IS A CRITICAL ISSUE DUE TO ATTRIBUTES OF THIS BUILDING.
4. CONTRACTOR SHALL BE HELD RESPONSIBLE TO HAVE EXAMINED "REFLECTED CEILING" DRAWINGS AS WELL AS MECHANICAL, ELECTRICAL, PIPING, INFORMATION TECHNOLOGY, STRUCTURAL AND ARCHITECTURAL BUILDING PLANS PRIOR TO SYSTEM LAYOUT.
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6. CONTRACTOR SHALL PARTICIPATE IN COORDINATION PROCESS AND SHALL NOT INSTALL PIPE PRIOR TO COORDINATION WITH OTHER TRADES AND ARCHITECT.
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9. NO SERVICE SHALL BE INTERRUPTED WITHOUT WRITTEN PERMISSION FROM THE OWNER'S REPRESENTATIVE.
10. REFER TO SPECIFICATION 21 00 00 - GENERAL FIRE SUPPRESSION REQUIREMENTS AND 21 13 14 - AUTOMATIC FIRE SPRINKLER SYSTEM, FOR ADDITIONAL INFORMATION.
11. FIRE PROTECTION CONTRACTOR SHALL HAVE APPROVED SPRINKLER SUBMITTAL DRAWINGS FROM ARCHITECT AND ENGINEER PRIOR TO STARTING INSTALLATION ON THIS PROJECT. ANY WORK THAT HAS BEEN INSTALLED PRIOR TO RECEIVING THE APPROVALS MAY BE REMOVED, AT THE CONTRACTORS EXPENSE.

SHEET KEY NOTES

1. PROVIDE PIPE PARALLEL AND TIGHT TO THE UNDERSIDE SLOPE OF THE STAIRS.
2. PROVIDE SPRINKLER PROTECTION BENEATH THE STAIRS. PROTECTION SHALL BE PROVIDED BELOW THE ENTIRE AREA BELOW THE 1ST FLOOR STAIRS.
3. LOW POINT DRAINS FOR DRAIN RISERS AND STANDPIPES TO BE PIPED TO THE HUB DRAIN LOCATED IN DRY VALVE ROOM. THESE DRAINS SHALL BE CONSIDERED AUXILIARY DRAINS. IT IS NOT THE INTENT FOR THE HUB DRAIN TO ACCOMMODATE THE FLOW DURING HOSE VALVE OR SPRINKLER SYSTEM TESTING. SEE DETAIL 7 ON SHEET F-500 FOR MORE INFORMATION.
4. HORIZONTAL SIDEWALL SPRINKLERS SHALL BE INSTALLED AT THE BOTTOM OF EACH ELEVATOR HOISTWAY NOT MORE THAN 2 FEET ABOVE THE FLOOR OF THE PIT.

6	BID DOCUMENTS	09/07/2017
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2	ISSUED FOR 100% CD'S/OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

NEW MUNICIPAL PARKING FACILITY

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS
MADISON | CHICAGO | ST. LOUIS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
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A WSP | PARSONS BRINCKERHOFF COMPANY

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CIVIL ENGINEERS:
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LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

FIRE PROTECTION UNDERGROUND PARKING PLAN - LEVEL U4

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1 **FIRE PROTECTION UNDERGROUND PARKING PLAN - LEVEL U4**
SCALE: 1/8" = 1'-0"

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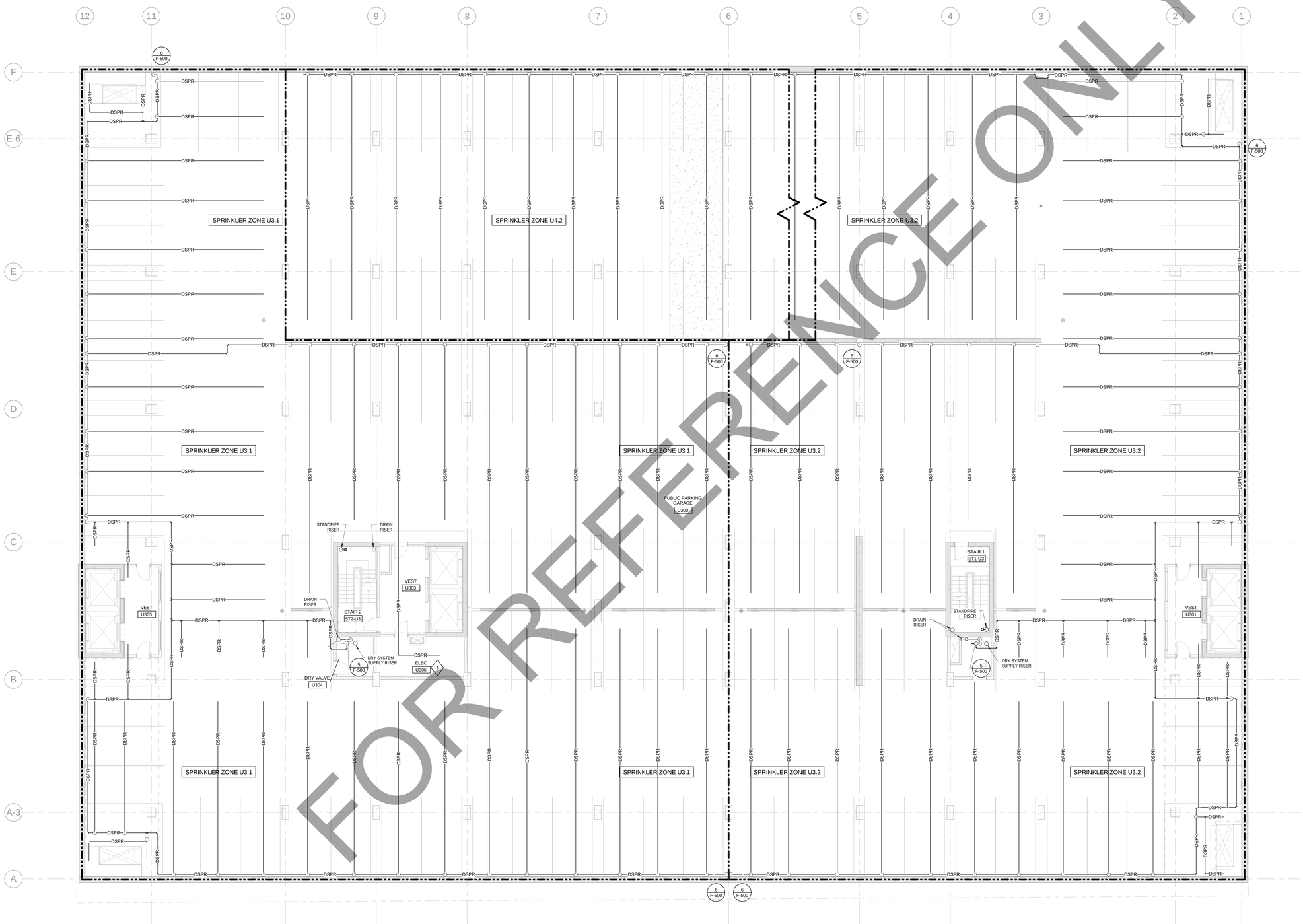

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7. SPRINKLERS IN LIGHT HAZARD OCCUPANCIES SHALL BE OF THE QUICK-RESPONSE TYPE.
8. SPRINKLERS SHALL BE INSTALLED UNDER FIXED OBSTRUCTIONS OVER 4 FEET WIDE, SUCH AS DUCTS, DECKS, OPEN GRATE FLOORING, CUTTING TABLES, AND OVERHEAD DOORS.
9. NO SERVICE SHALL BE INTERRUPTED WITHOUT WRITTEN PERMISSION FROM THE OWNER'S REPRESENTATIVE.
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11. FIRE PROTECTION CONTRACTOR SHALL HAVE APPROVED SPRINKLER SUBMITTAL DRAWINGS FROM ARCHITECT AND ENGINEER PRIOR TO STARTING INSTALLATION ON THIS PROJECT. ANY WORK THAT HAS BEEN INSTALLED PRIOR TO RECEIVING THE APPROVALS MAY BE REMOVED, AT THE CONTRACTORS EXPENSE.

SHEET KEY NOTES

1. DO NOT INSTALL FIRE PROTECTION PIPE DIRECTLY ABOVE ELECTRICAL OR DATA EQUIPMENT. ALL SPRINKLER HEADS EXPOSED IN THIS ROOM SHALL BE PROVIDED WITH LISTED HEAD GUARDS.

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A WALT | SARTORI GROUP | CLEARPOINT COMPANY

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LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
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URBAN DESIGN

FIRE PROTECTION UNDERGROUND PARKING PLAN - LEVEL U3

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1 FIRE PROTECTION UNDERGROUND PARKING PLAN - LEVEL U3

SCALE: 1/8" = 1'-0"

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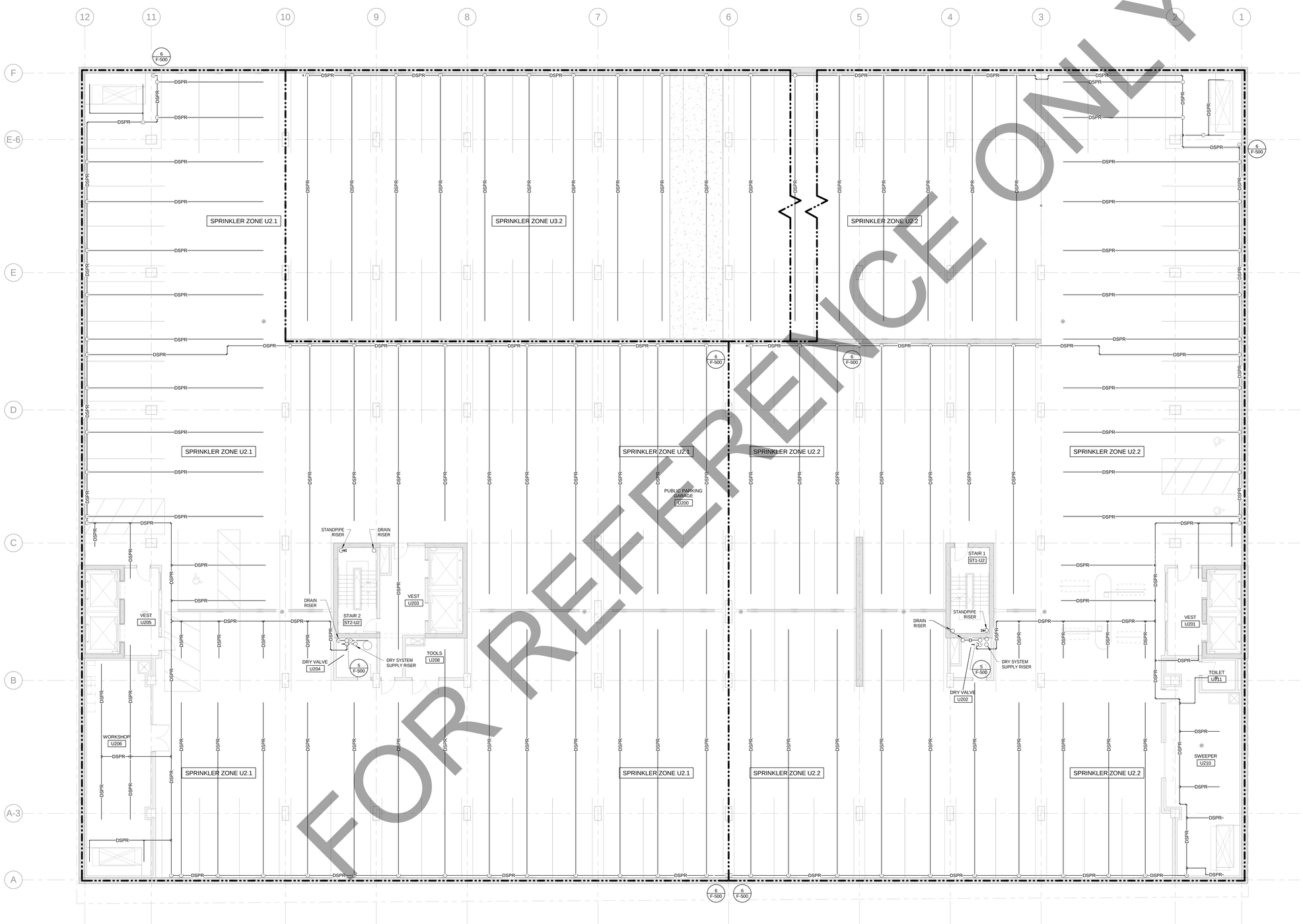

1 **FIRE PROTECTION UNDERGROUND PARKING PLAN - LEVEL U2**

SCALE: 1/8" = 1'-0"

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FIRE PROTECTION UNDERGROUND PARKING PLAN - LEVEL U2

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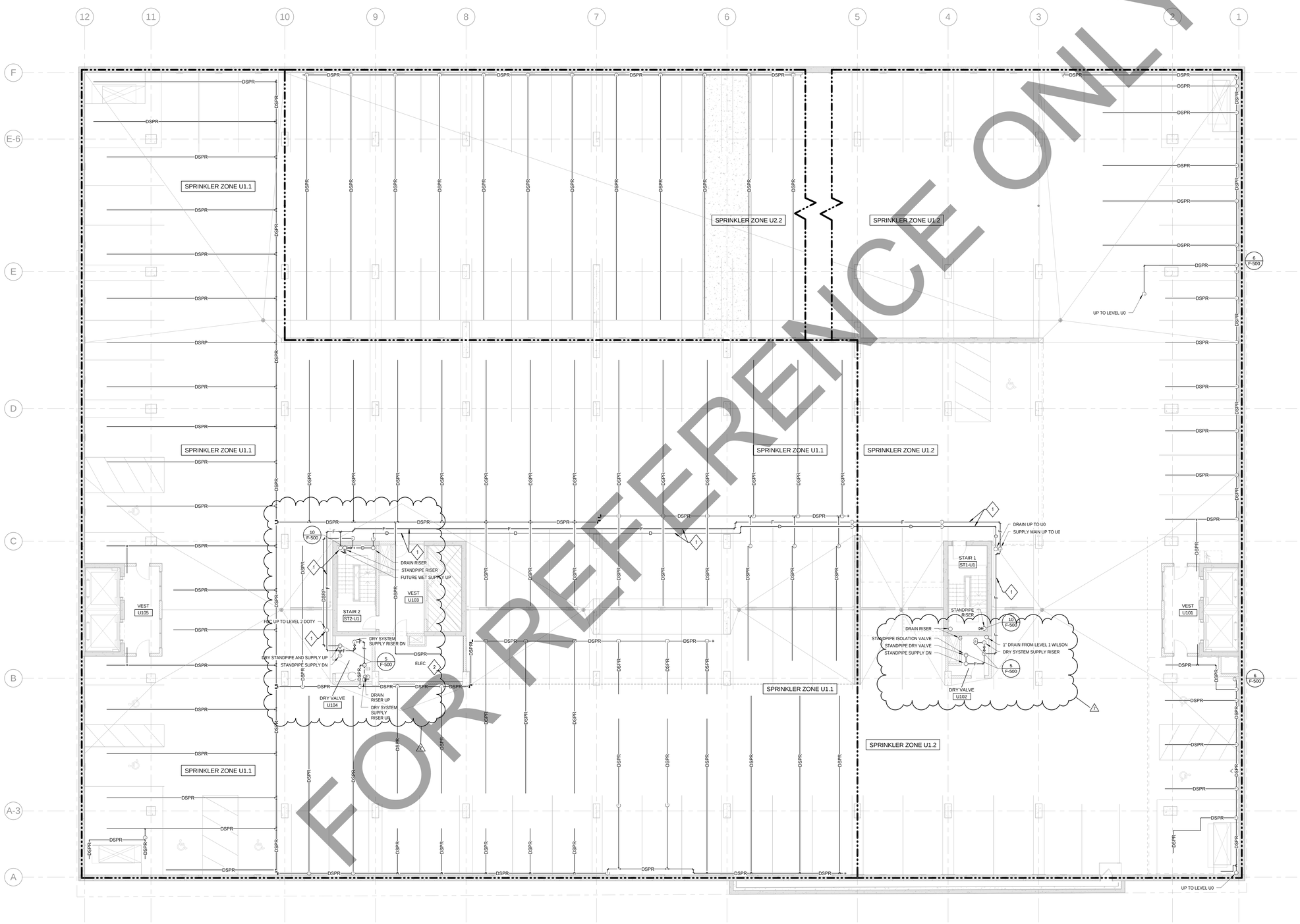

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SHEET KEY NOTES

1. PROVIDE A LISTED HEAT TRACE SYSTEM TO PROTECT THE WATER-FILLED PIPE FROM FREEZING.
2. DO NOT INSTALL FIRE PROTECTION PIPE DIRECTLY ABOVE ELECTRICAL OR DATA EQUIPMENT. ALL SPRINKLER HEADS EXPOSED IN THIS ROOM SHALL BE PROVIDED WITH LISTED HEAD GUARDS.

7	FINAL BULLETIN #6	09/14/2018
6	BID DOCUMENTS	09/07/2017
5	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
4	ISSUED FOR FINAL BID	06/23/2017
3	ISSUED FOR BID	06/16/2017
2	ISSUED FOR 100% CD'S/OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

NEW MUNICIPAL PARKING FACILITY

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano
ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS
A WSP / PARSONS BRINCKERHOFF COMPANY

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

FIRE PROTECTION UNDERGROUND PARKING PLAN - LEVEL U1

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F-100.4

1 FIRE PROTECTION UNDERGROUND PARKING PLAN - LEVEL U1

SCALE: 1/8" = 1'-0"

TRUE NORTH / PROJECT NORTH

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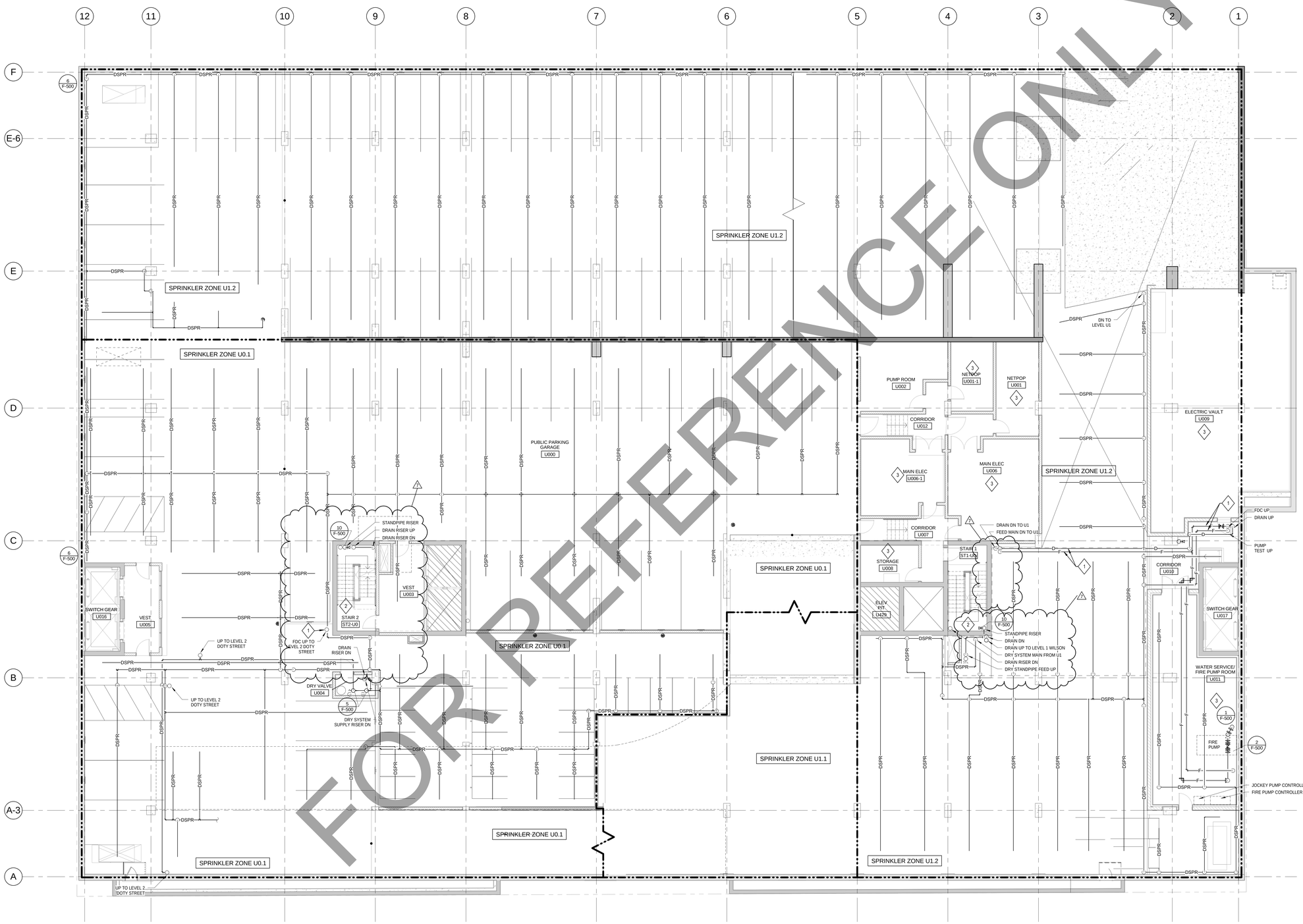
GENERAL NOTES

1. INSTALLATION OF SPRINKLER SYSTEM SHALL BE IN ACCORDANCE WITH NFPA 13, INSTALLATION OF SPRINKLER SYSTEMS.
2. INSTALLATION OF STANDPIPE SYSTEM SHALL BE IN ACCORDANCE WITH NFPA 14, INSTALLATION OF STANDPIPE AND HOSE SYSTEMS.
3. CONTRACTOR SHALL CONSULT WITH ARCHITECT DURING DEVELOPMENT OF PIPING LAYOUT TO AVOID CONFLICTS WITH GENERAL APPEARANCE. PIPE ROUTING IS A CRITICAL ISSUE DUE TO ATTRIBUTES OF THIS BUILDING.
4. CONTRACTOR SHALL BE HELD RESPONSIBLE TO HAVE EXAMINED "REFLECTED CEILING" DRAWINGS AS WELL AS MECHANICAL, ELECTRICAL, PIPING, INFORMATION TECHNOLOGY, STRUCTURAL AND ARCHITECTURAL BUILDING PLANS PRIOR TO SYSTEM LAYOUT.
5. CONTRACTOR SHALL COORDINATE ROUTING OF PIPE WITH ALL OTHER TRADES AND ARCHITECT.
6. CONTRACTOR SHALL PARTICIPATE IN COORDINATION PROCESS AND SHALL NOT INSTALL PIPE PRIOR TO COORDINATION WITH OTHER TRADES AND ARCHITECT.
7. SPRINKLERS IN LIGHT HAZARD OCCUPANCIES SHALL BE OF THE QUICK-RESPONSE TYPE.
8. SPRINKLERS SHALL BE INSTALLED UNDER FIXED OBSTRUCTIONS OVER 4 FEET WIDE, SUCH AS DUCTS, DECKS, OPEN GRATE FLOORING, CUTTING TABLES, AND OVERHEAD DOORS.
9. NO SERVICE SHALL BE INTERRUPTED WITHOUT WRITTEN PERMISSION FROM THE OWNER'S REPRESENTATIVE.
10. REFER TO SPECIFICATION 21 00 00 - GENERAL FIRE SUPPRESSION REQUIREMENTS AND 21 13 14 - AUTOMATIC FIRE SPRINKLER SYSTEM, FOR ADDITIONAL INFORMATION.
11. FIRE PROTECTION CONTRACTOR SHALL HAVE APPROVED SPRINKLER SUBMITTAL DRAWINGS FROM ARCHITECT AND ENGINEER PRIOR TO STARTING INSTALLATION ON THIS PROJECT. ANY WORK THAT HAS BEEN INSTALLED PRIOR TO RECEIVING THE APPROVALS MAY BE REMOVED, AT THE CONTRACTORS EXPENSE.

SHEET KEY NOTES

1. PROVIDE A LISTED HEAT TRACE SYSTEM TO PROTECT THE WATER-FILLED PIPE FROM FREEZING.
2. PROVIDE PIPE PARALLEL AND TIGHT TO THE UNDERSIDE SLOPE OF THE STAIRS.
3. DO NOT INSTALL FIRE PROTECTION PIPE DIRECTLY ABOVE ELECTRICAL OR DATA EQUIPMENT. ALL SPRINKLER HEADS EXPOSED IN THIS ROOM SHALL BE PROVIDED WITH LISTED HEAD GUARDS.



FOR REFERENCE ONLY

1 **FIRE PROTECTION UNDERGROUND PARKING PLAN - LEVEL U0**
SCALE: 1/8" = 1'-0"

7	FINAL BULLETIN #6	09/14/2018
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2	ISSUED FOR 100% CD'S/OWNER REVIEW	06/01/2017
1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

NEW MUNICIPAL PARKING FACILITY

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

FIRE PROTECTION UNDERGROUND PARKING PLAN - LEVEL U0

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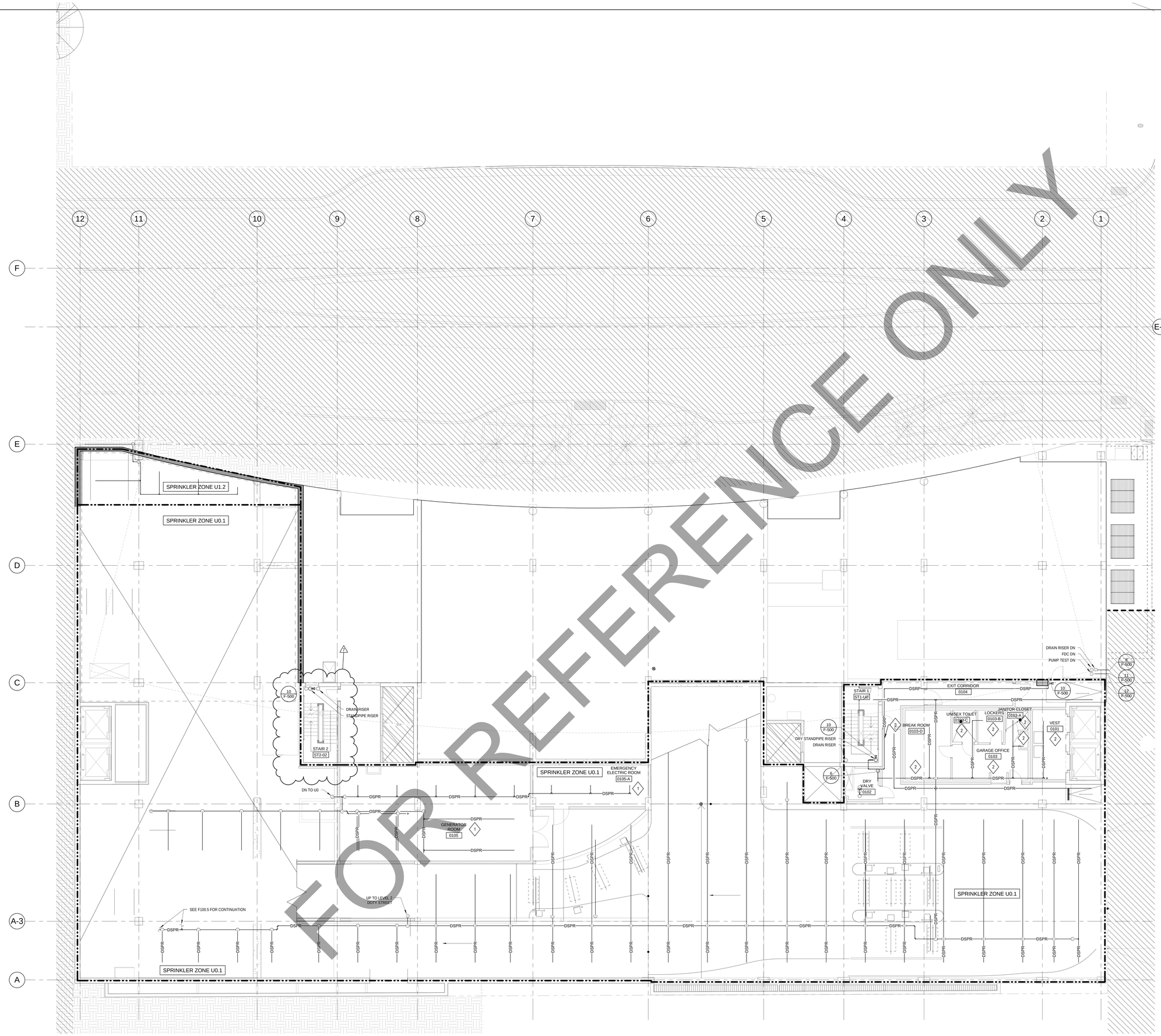

1 FIRE PROTECTION LEVEL 1 PLAN - WILSON STREET

SCALE: 1/8" = 1'-0"

GENERAL NOTES

1. INSTALLATION OF SPRINKLER SYSTEM SHALL BE IN ACCORDANCE WITH NFPA 13, INSTALLATION OF SPRINKLER SYSTEMS.
2. INSTALLATION OF STANDPIPE SYSTEM SHALL BE IN ACCORDANCE WITH NFPA 14, INSTALLATION OF STANDPIPE AND HOSE SYSTEMS.
3. CONTRACTOR SHALL CONSULT WITH ARCHITECT DURING DEVELOPMENT OF PIPING LAYOUT TO AVOID CONFLICTS WITH GENERAL APPEARANCE. PIPE ROUTING IS A CRITICAL ISSUE DUE TO ATTRIBUTES OF THIS BUILDING.
4. CONTRACTOR SHALL BE HELD RESPONSIBLE TO HAVE EXAMINED "REFLECTED CEILING" DRAWINGS AS WELL AS MECHANICAL, ELECTRICAL, PIPING, INFORMATION TECHNOLOGY, STRUCTURAL AND ARCHITECTURAL BUILDING PLANS PRIOR TO SYSTEM LAYOUT.
5. CONTRACTOR SHALL COORDINATE ROUTING OF PIPE WITH ALL OTHER TRADES AND ARCHITECT.
6. CONTRACTOR SHALL PARTICIPATE IN COORDINATION PROCESS AND SHALL NOT INSTALL PIPE PRIOR TO COORDINATION WITH OTHER TRADES AND ARCHITECT.
7. SPRINKLERS IN LIGHT HAZARD OCCUPANCIES SHALL BE OF THE QUICK-RESPONSE TYPE.
8. SPRINKLERS SHALL BE INSTALLED UNDER FIXED OBSTRUCTIONS OVER 4 FEET WIDE, SUCH AS DUCTS, DECKS, OPEN GRATE FLOORING, CUTTING TABLES, AND OVERHEAD DOORS.
9. NO SERVICE SHALL BE INTERRUPTED WITHOUT WRITTEN PERMISSION FROM THE OWNER'S REPRESENTATIVE.
10. REFER TO SPECIFICATION 21 00 00 - GENERAL FIRE SUPPRESSION REQUIREMENTS AND 21 13 14 - AUTOMATIC FIRE SPRINKLER SYSTEM, FOR ADDITIONAL INFORMATION.
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SHEET KEY NOTES

1. DO NOT INSTALL FIRE PROTECTION PIPE DIRECTLY ABOVE ELECTRICAL OR DATA EQUIPMENT. ALL SPRINKLER HEADS EXPOSED IN THIS ROOM SHALL BE PROVIDED WITH LISTED HEAD GUARDS.
2. PROVIDE CONCEALED QUICK-RESPONSE DRY PENDENT SPRINKLER HEADS WITH WHITE COVER PLATES, FOR PROTECTION OF THIS ROOM.
3. PROVIDE A LISTED HEAT TRACE SYSTEM TO PROTECT THE WATER-FILLED PIPE FROM FREEZING.

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1	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017

JUDGE DOYLE SQUARE - BLOCK 88

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CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano
ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

FIRE PROTECTION LEVEL 1 PLAN - WILSON STREET ENTRANCE

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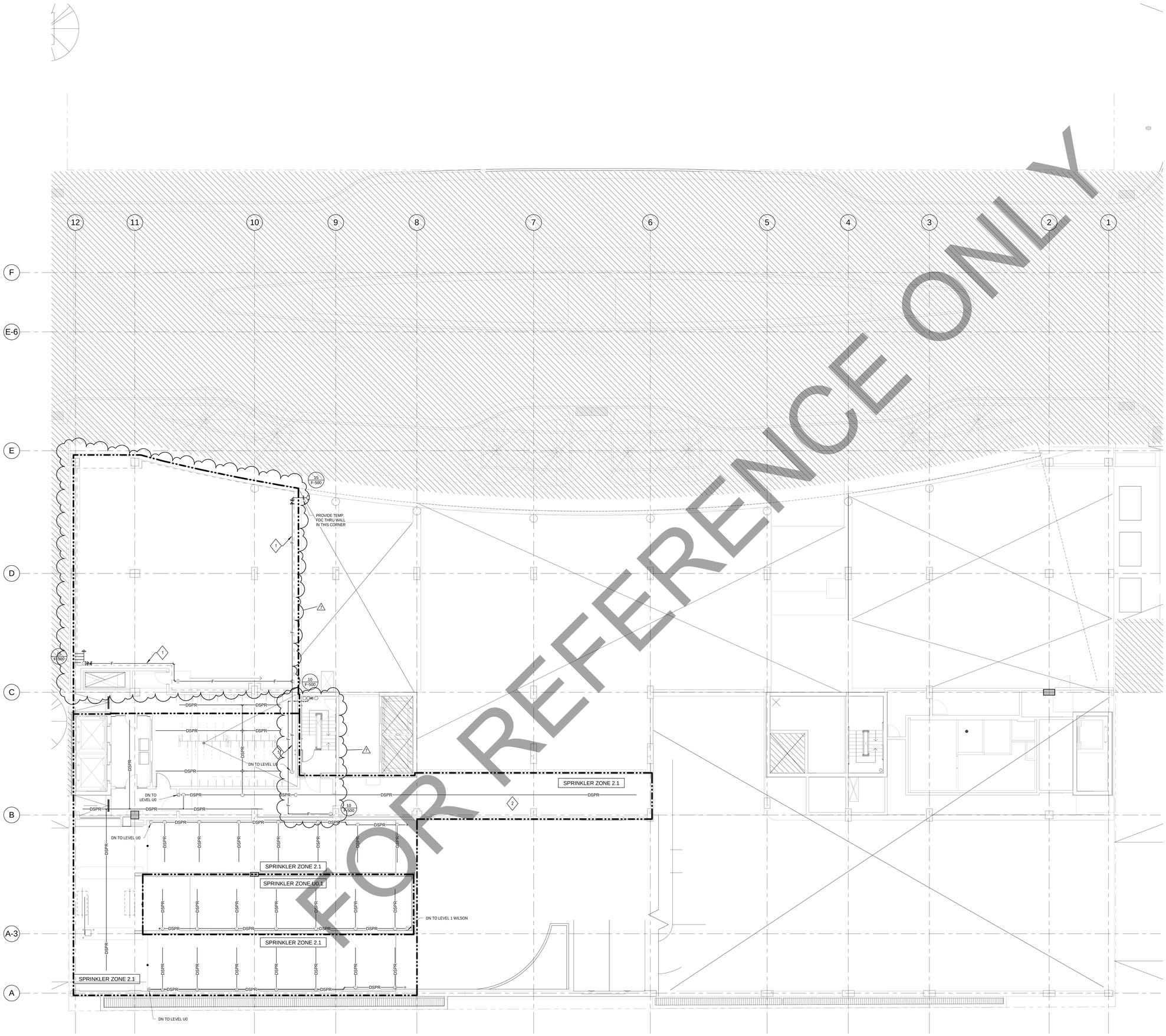

GENERAL NOTES

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SHEET KEY NOTES

1. PROVIDE A LISTED HEAT TRACE SYSTEM TO PROTECT THE WATER-FILLED PIPE FROM FREEZING.
2. PROVIDE SPRINKLER PROTECTION IN THIS SPACE FOR AN ORDINARY HAZARD GROUP 2 OCCUPANCY.

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JUDGE DOYLE SQUARE - BLOCK 88

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WALKER
PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
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AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

FIRE PROTECTION LEVEL 2 PLAN - DOTY STREET

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1 **FIRE PROTECTION LEVEL 2 PLAN - DOTY STREET**
SCALE: 1/8" = 1'-0"

TRUE NORTH
PROJECT NORTH

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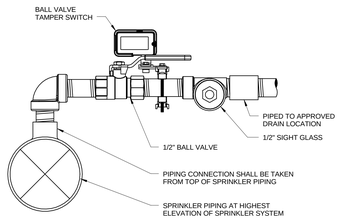
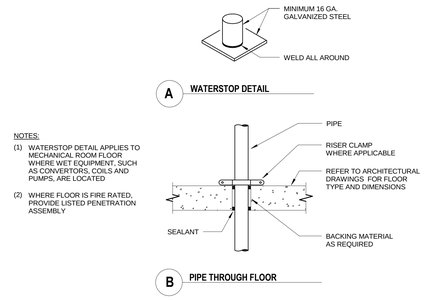
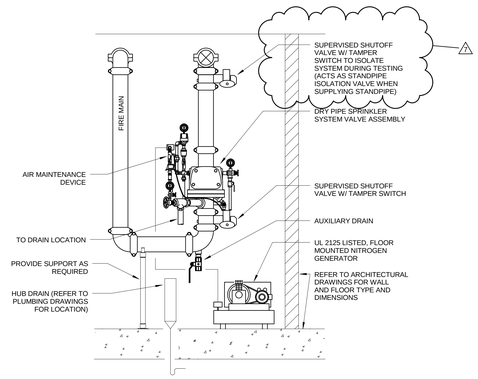


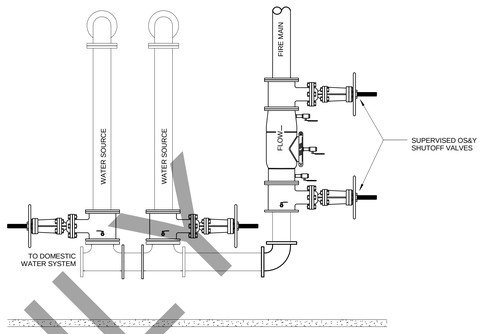
13 MANUAL AIR RELIEF VALVE ASSEMBLY
SCALE: NOT TO SCALE



9 PIPE THROUGH FLOOR
SCALE: NOT TO SCALE

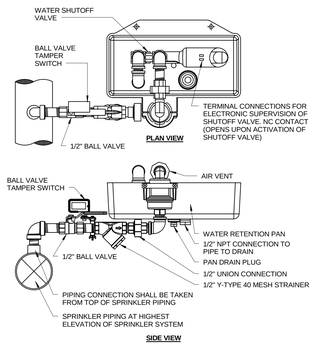


5 DRY PIPE VALVE ASSEMBLY
SCALE: NOT TO SCALE

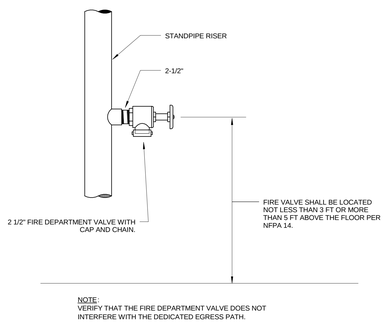


NOTE:
1. COORDINATE LOCATION WITH PLUMBING CONTRACTOR.

1 DCBP IN VERTICAL
SCALE: NOT TO SCALE

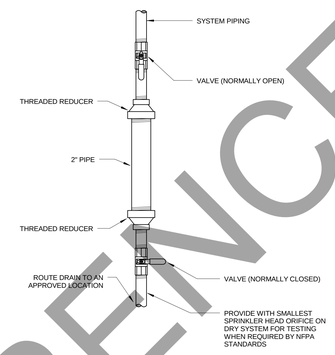


14 AUTOMATIC AIR RELIEF VALVE ASSEMBLY
SCALE: NOT TO SCALE

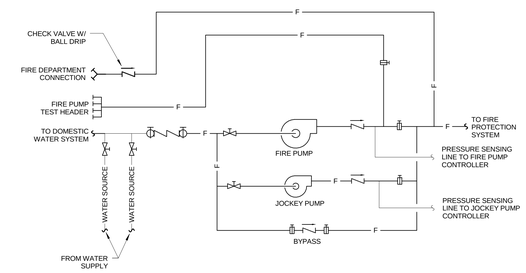


NOTE:
VERIFY THAT THE FIRE DEPARTMENT VALVE DOES NOT INTERFERE WITH THE DEDICATED EGRESS PATH.

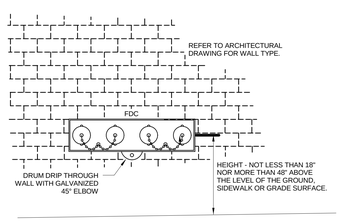
10 STANDPIPE WITH FIRE DEPARTMENT VALVE
SCALE: NOT TO SCALE



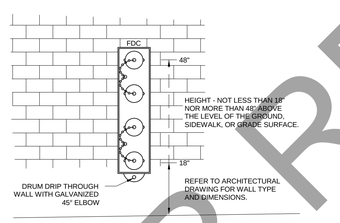
6 DRUM DRIP ASSEMBLY
SCALE: NOT TO SCALE



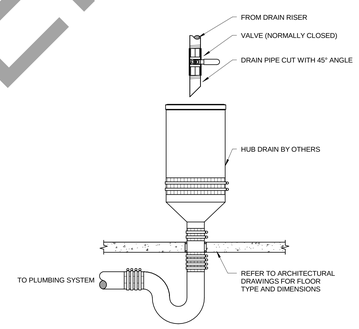
2 FIRE PUMP SCHEMATIC
SCALE: NOT TO SCALE



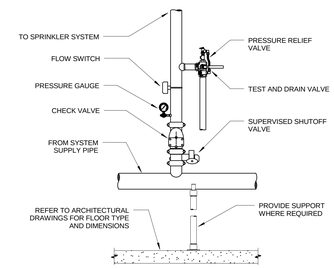
15 FDC ON EXTERIOR WALL
SCALE: NOT TO SCALE



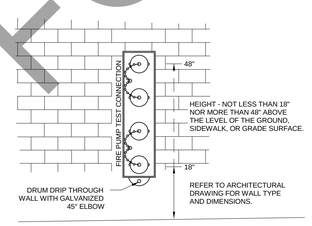
11 FDC ON EXTERIOR WALL - VERTICAL
SCALE: NOT TO SCALE



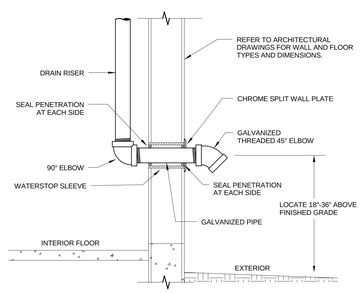
7 AUXILIARY DRAIN
SCALE: NOT TO SCALE



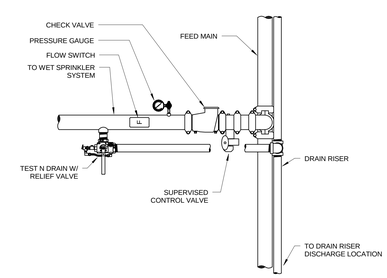
3 SPRINKLER ZONE CONTROL VALVE ASSEMBLY
SCALE: NOT TO SCALE



12 FIRE PUMP TEST HEADER - VERTICAL
SCALE: NOT TO SCALE



8 EXTERIOR DRAIN THROUGH WALL
SCALE: NOT TO SCALE



4 SPRINKLER ZONE CONTROL VALVE ASSEMBLY
SCALE: NOT TO SCALE

FOR REFERENCE ONLY

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JUDGE DOYLE SQUARE - BLOCK 88

NEW MUNICIPAL PARKING FACILITY

CITY OF MADISON, 53703

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WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE

FIRE PROTECTION DETAILS

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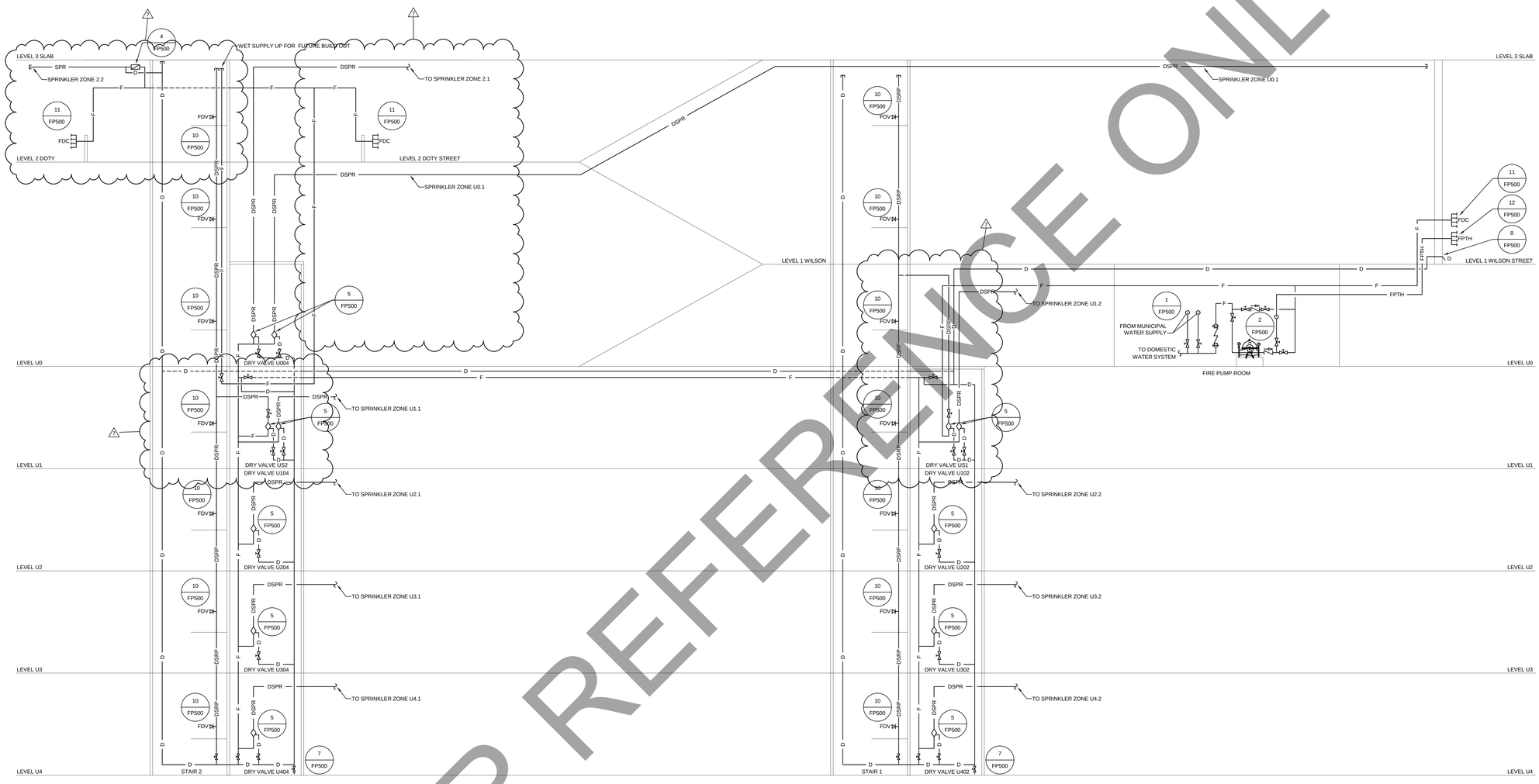

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MADISON CHICAGO ST. LOUIS

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WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

FIRE PROTECTION DIAGRAM

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AEI

AEI

215-1051

F-700

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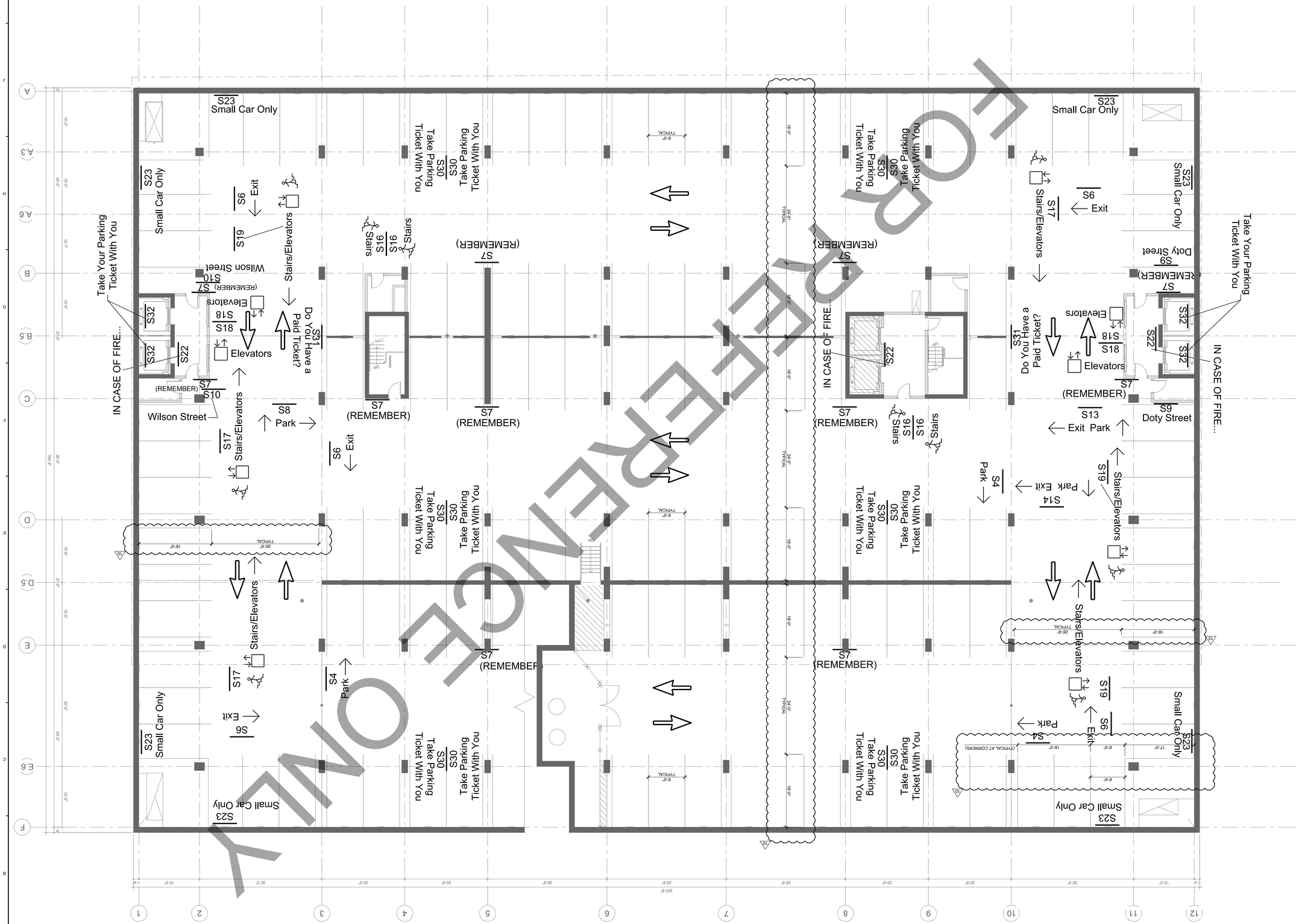

FOR REFERENCE ONLY

General Notes

K3 UNDERGROUND PARKING PLAN LEVEL U4

SCALE: 1/8" = 1'-0"

No.	Description	Date
10	BULLETIN #2	12/07/2017
9	BID DOCUMENTS	09/07/2017
6	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
5	ISSUED FOR FINAL BID	06/23/2017
4	ISSUED FOR BID	06/16/2017
3	ISSUED FOR 100% CD'S/ OWNERS REVIEW	06/01/2017
2	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017
1	ISSUED FOR SCHEMATIC DESIGN	02/03/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING LANDSCAPE ARCHITECTURE URBAN DESIGN

Drawing Title

UNDERGROUND PARKING PLAN - LEVEL U4

Drawn	Date
Author	07/26/2017 2:22:22 PM
Checked By	Drawing Number
Checker	
Approved	
Approver	PA-100.1
Job Number	
215-1051	

2017 Lothan Van Hook Destefano Architecture LLC

C:\Users\mallett\Documents\Judge Doyle Square - Phase 1 - Schematic_mallett%28FWD\.rvt
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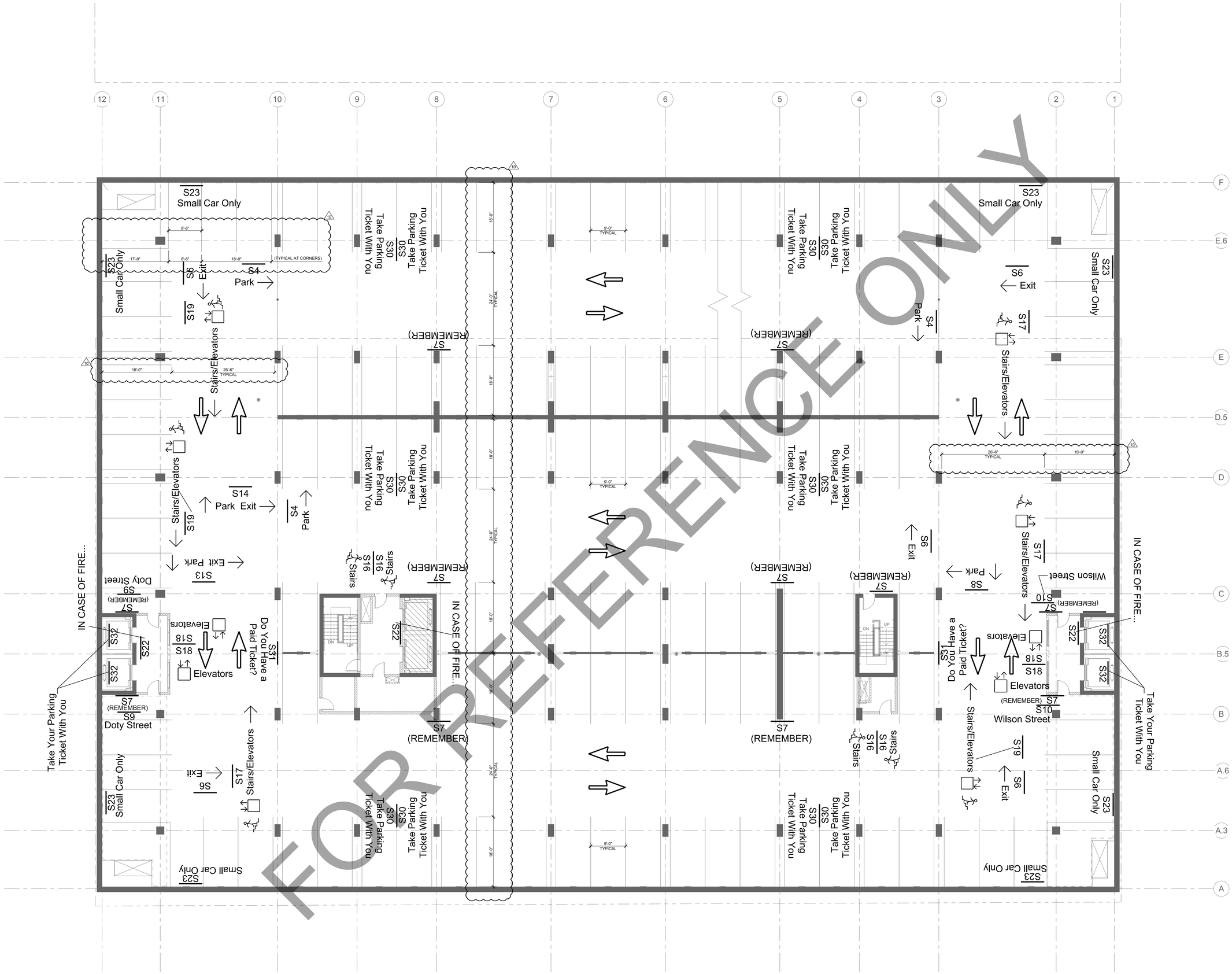


FOR REFERENCE ONLY

K3 UNDERGROUND PARKING PLAN LEVEL U3

SCALE: 1/8" = 1'-0"

General Notes

No.	Description	Date
10	BULLETIN #2	12/07/2017
9	BID DOCUMENTS	09/07/2017
6	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
5	ISSUED FOR FINAL BID	06/23/2017
4	ISSUED FOR BID	06/16/2017
3	ISSUED FOR 100% CD'S/ OWNERS REVIEW	06/01/2017
2	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017
1	ISSUED FOR SCHEMATIC DESIGN	02/03/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano
ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

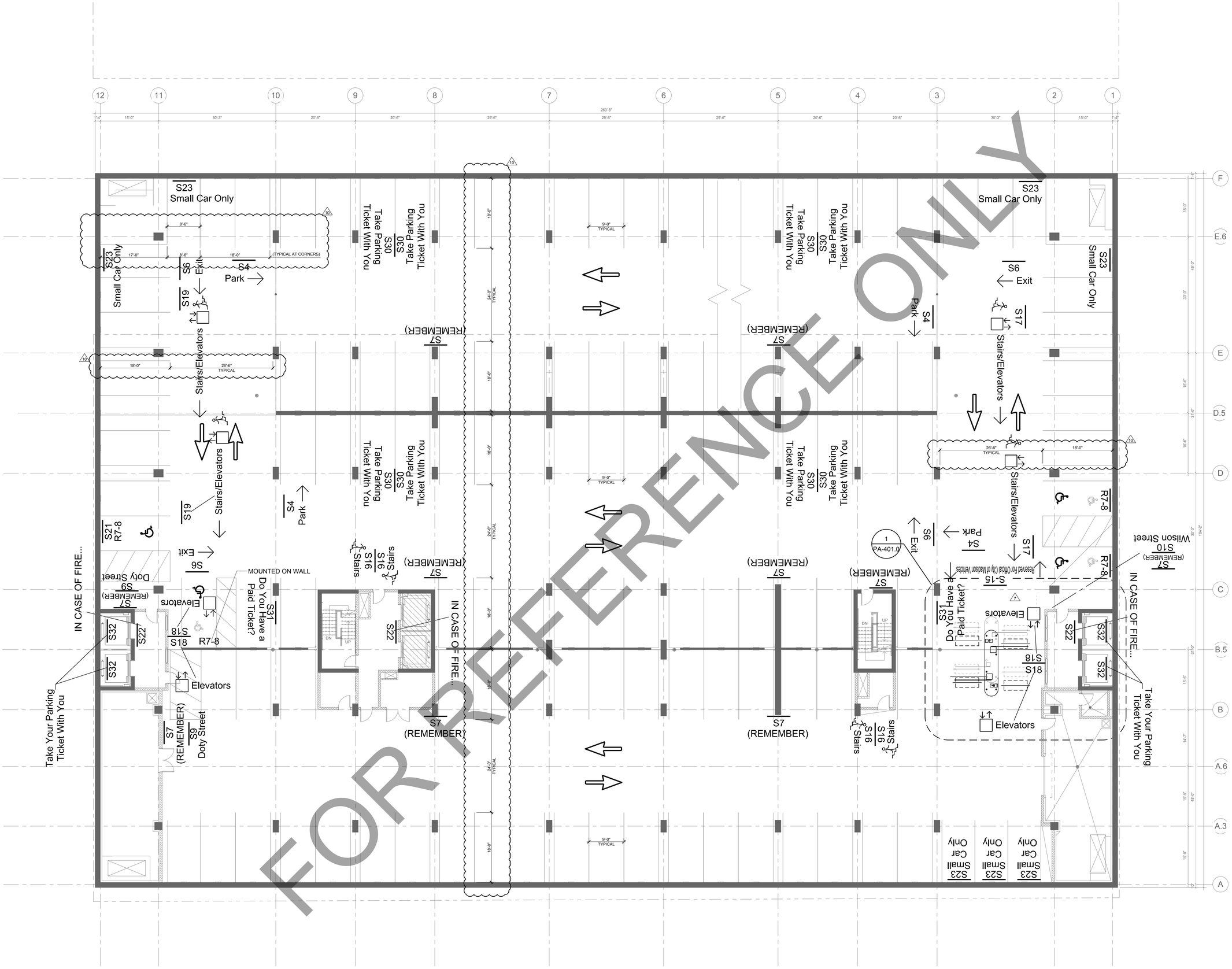
Drawing Title

UNDERGROUND PARKING PLAN - LEVEL U3

Drawn	Date
Author	07/26/2017 2:22:22 PM
Checked By	Drawing Number
Checker	
Approved	
Approver	
Job Number	
215-1051	

PA-100.2

2017 Lothan Van Hook Destefano Architecture LLC



K3 UNDERGROUND PARKING PLAN LEVEL U2

SCALE: 1/8" = 1'-0"

FOR REFERENCE ONLY

General Notes

No.	Description	Date
10	BULLETIN #2	12/07/2017
9	BID DOCUMENTS	09/07/2017
7	ADDENDUM 2	07/28/2017
6	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
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2	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017
1	ISSUED FOR SCHEMATIC DESIGN	02/03/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

UNDERGROUND PARKING PLAN - LEVEL U2

Drawn	Date
Author	07/26/2017 2:22:22 PM
Checked By	Drawing Number
Checker	
Approved	
Approver	
Job Number	
215-1051	

PA-100.3

2017 Lothan Van Hook Destefano Architecture LLC

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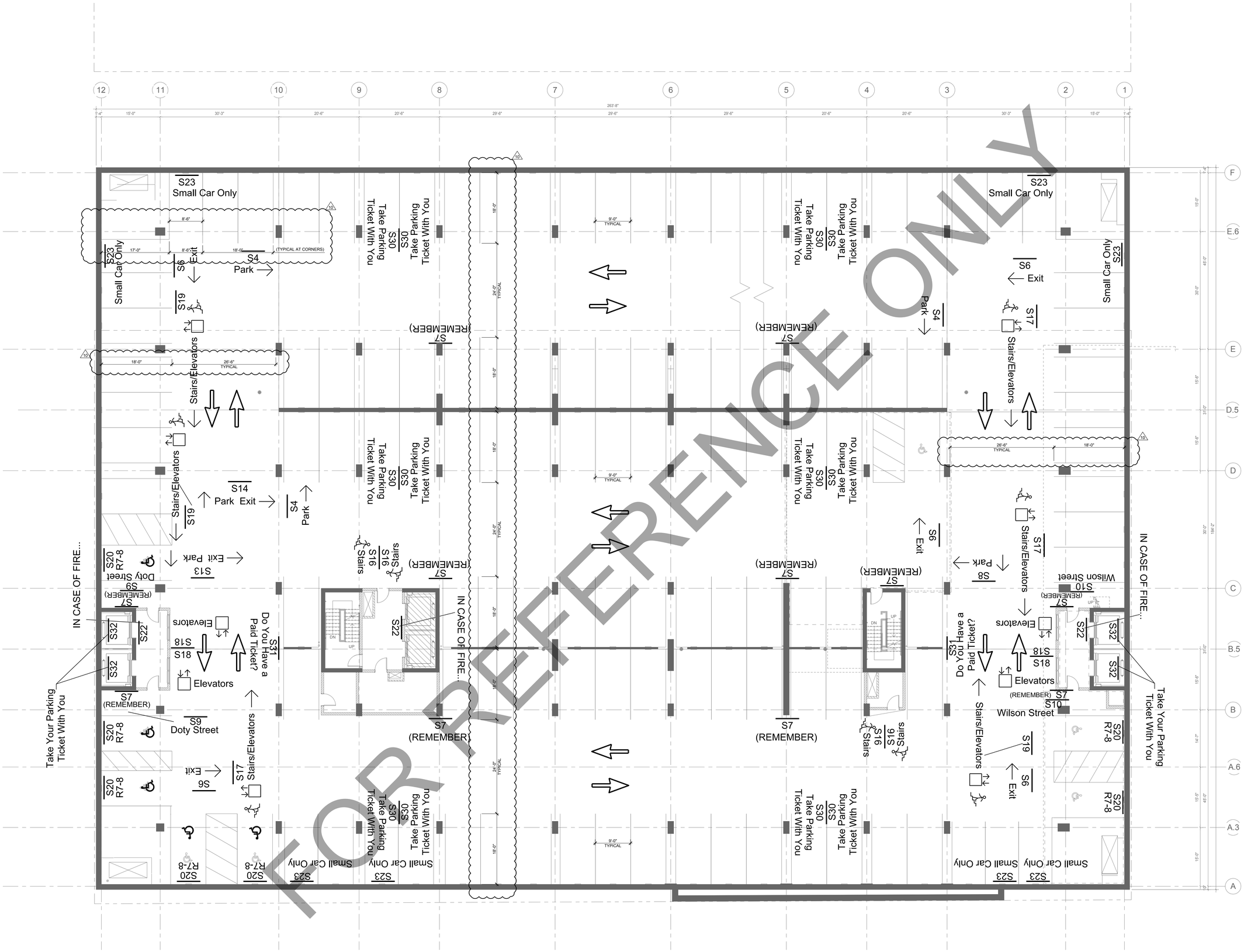


FOR REFERENCE ONLY

K3 UNDERGROUND PARKING PLAN LEVEL U2

SCALE: 1/8" = 1'-0"

General Notes

No.	Description	Date
10	BULLETIN #2	12/07/2017
9	BID DOCUMENTS	09/07/2017
6	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
5	ISSUED FOR FINAL BID	06/23/2017
4	ISSUED FOR BID	06/16/2017
3	ISSUED FOR 100% CD'S/ OWNERS REVIEW	06/01/2017
2	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017
1	ISSUED FOR SCHEMATIC DESIGN	02/03/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano
ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

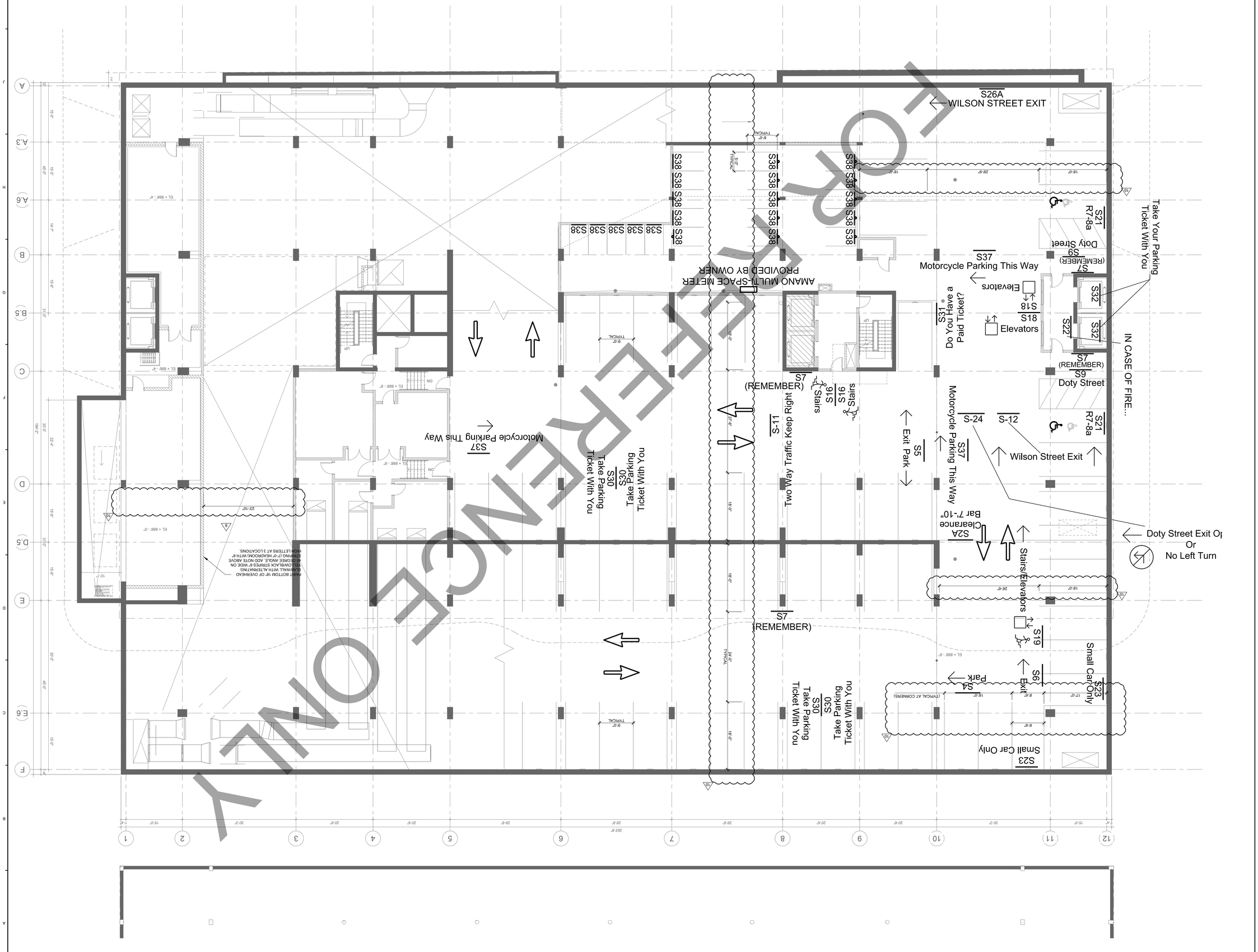
Drawing Title

UNDERGROUND PARKING PLAN - LEVEL U2

Drawn	Date
Author	07/26/2017 2:22:22 PM
Checked By	Drawing Number
Checker	
Approved	
Approver	
Job Number	
215-1051	

PA-100.4

2017 Lothan Van Hook Destefano Architecture LLC



FOR REFERENCE ONLY

12
11
10
9
8
7
6
5
4
3
2
1
263'-8"
15'-0"
30'-3"
20'-6"
29'-6"
F
E.6
E
D.5
D
C
B.5
B
A.6
A.3
A
S23
Small Car Only
S30
Take Parking Ticket With You
S7
(REMEMBER)
S6
Exit
S4
Park
S19
Stairs/Elevators
S2A
Clearance Bar 7'-10"
Doty Street Exit Or
No Left Turn
Wilson Street Exit
S-12
S-24
S37
Motorcycle Parking This Way
S5
Exit
Park
Two Way Traffic Keep Right
S-11
S16
Stairs
S21
R7-8a
S9
Doty Street
IN CASE OF FIRE...
S32
S22
S18
Elevators
S31
Do You Have a Paid Ticket?
AMANO MULTI-SPACE METER
PROVIDED BY OWNER
S38
Take Your Parking Ticket With You
WILSON STREET EXIT
S26A
9'-0" TYPICAL
8'-0" TYPICAL
24'-0" TYPICAL
18'-0"
17'-0"
8'-6"
26'-6"
29'-9"
23'-10"
10'-1"
(TYPICAL AT CORNERS)
EL + 888' - 6"
EL + 886' - 0"
EL + 886' - 4"
UP
DN
10
8
PAINT BOTTOM 18" OF OVERHEAD SLAB/WALL WITH ALTERNATING YELLOW/BLACK STRIPES 6" WIDE ON 45 DEGREE ANGLE. ADD NOTE ABOVE STRIPING (7'-0" HEADROOM) WITH 6" HIGH LETTERS AT 3 LOCATIONS.

K3 UNDERGROUND PARKING PLAN LEVEL U0
SCALE: 1/8" = 1'-0"

TRUE NORTH
PROJECT NORTH

2017 Lothan Van Hook Destefano Architecture LLC

C:\Users\malletto\Documents\Judge Doyle Square - Phase 1 - Schematic_mallettoZBFW3.rvt
3/13/2017 5:31:36 PM

General Notes

THOMAS L. HANNULA
37802-006
Thomas L. Hannula
7/11/2017

No.	Description	Date
10	BULLETIN #2	12/07/2017
9	BID DOCUMENTS	09/07/2017
8	ADDENDUM 3	08/02/2017
6	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
5	ISSUED FOR FINAL BID	06/23/2017
4	ISSUED FOR BID	06/16/2017
3	ISSUED FOR 100% CD'S/ OWNERS REVIEW	06/01/2017
2	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017
1	ISSUED FOR SCHEMATIC DESIGN	02/03/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano
ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS
MADISON | CHICAGO | ST. LOUIS

PARKING CONSULTANT:
WALKER
PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS
A WSP | PARSONS BRINCKERHOFF COMPANY

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

UNDERGROUND PARKING PLAN - LEVEL U0

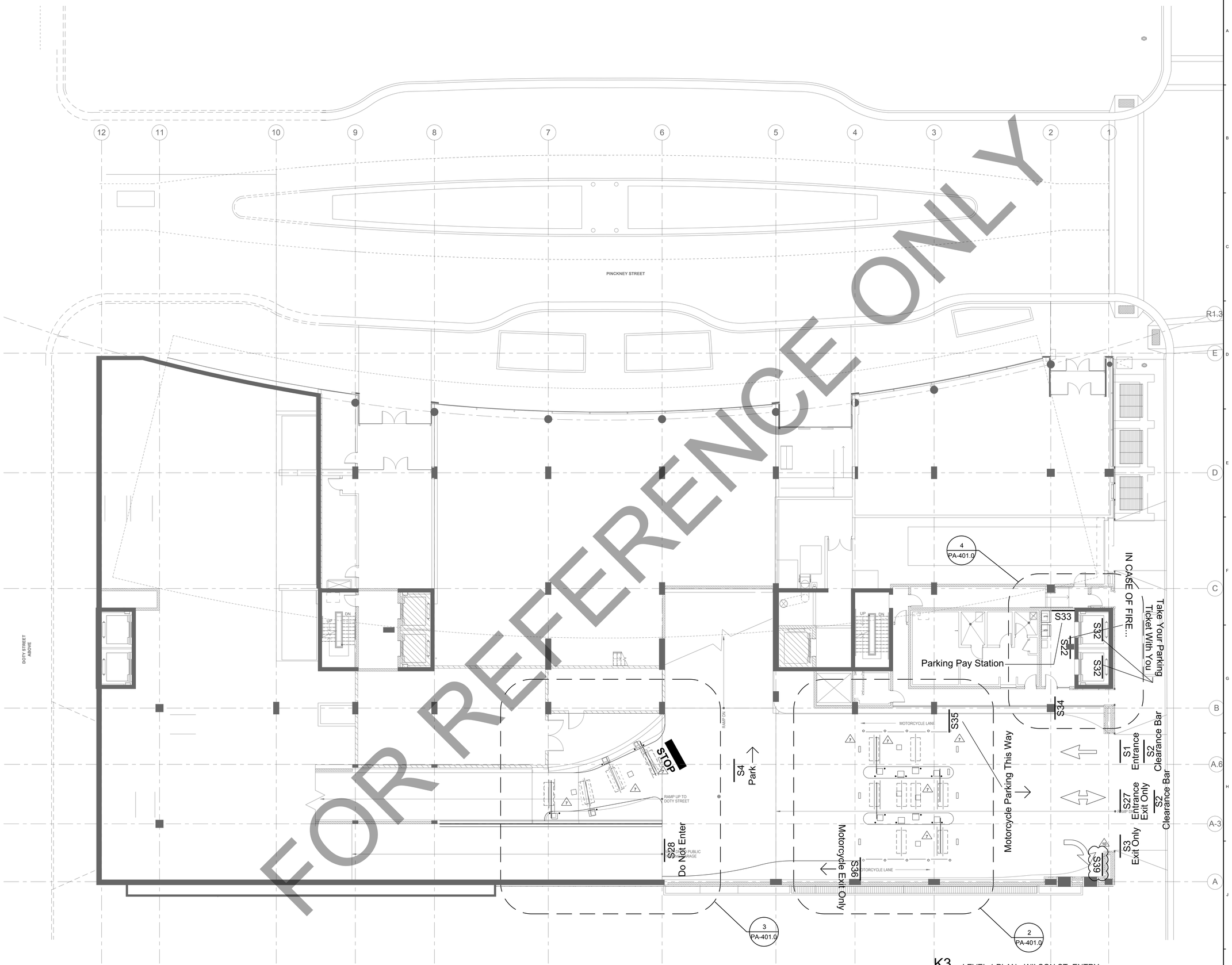
Drawn	Date
Author	07/26/2017 2:22:22 PM

Checked By	Drawing Number
Checker	

Approved
Approver

Job Number
215-1051

PA-100.5



FOR REFERENCE ONLY

K3 LEVEL 1 PLAN - WILSON ST. ENTRY

SCALE: 1/8" = 1'-0"

General Notes

WISCONSIN
THOMAS L. HANNULA
37802-006
ELGIN
ILLINOIS
PROFESSIONAL ARCHITECT
7/11/2017

No.	Description	Date
10	BULLETIN #2	12/07/2017
9	BID DOCUMENTS	09/07/2017
7	ADDENDUM 2	07/28/2017
6	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
5	ISSUED FOR FINAL BID	06/23/2017
4	ISSUED FOR BID	06/16/2017
3	ISSUED FOR 100% CD'S/ OWNERS REVIEW	06/01/2017
2	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017
1	ISSUED FOR SCHEMATIC DESIGN	02/03/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

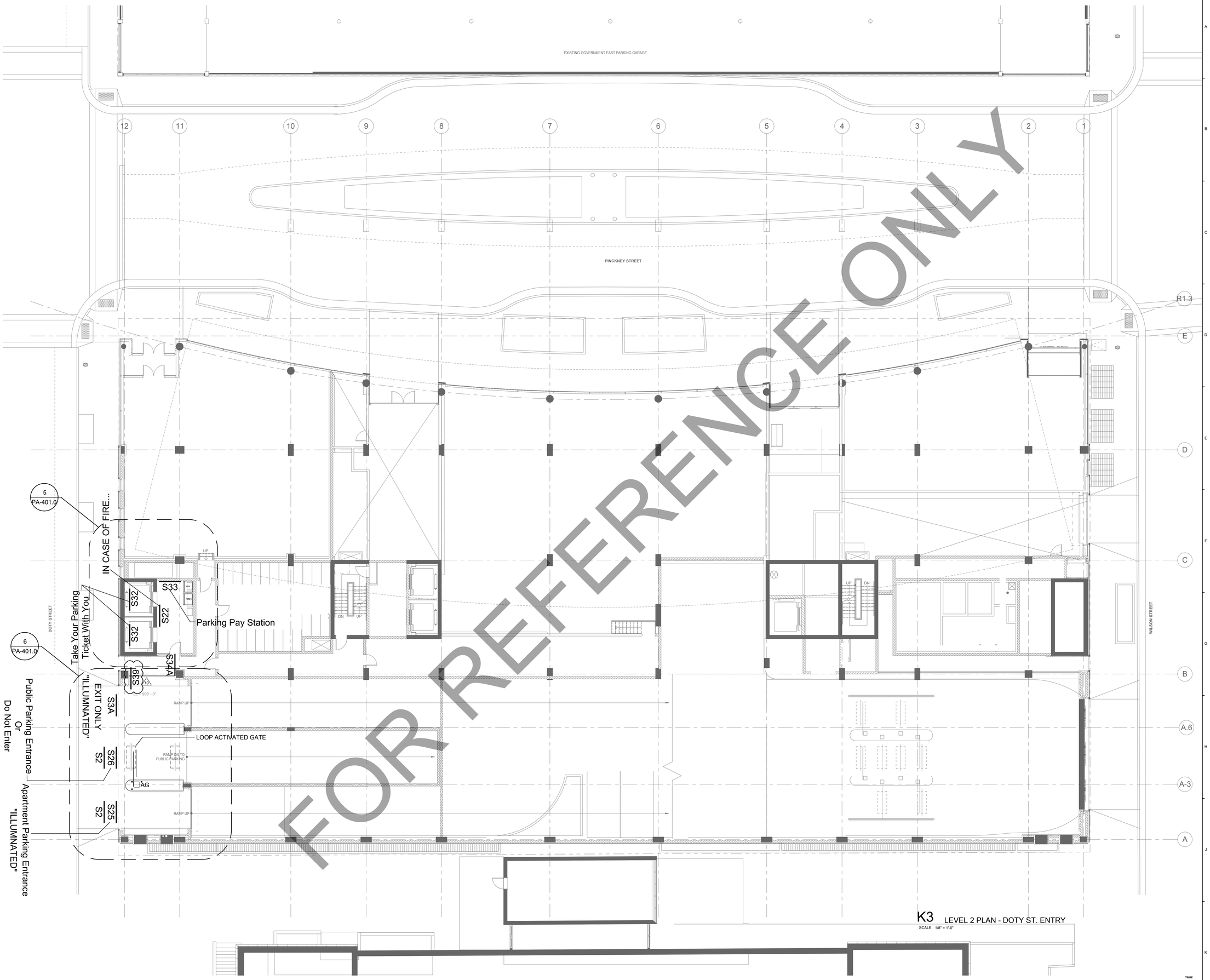
LEVEL 1 PLAN - WILSON STREET ENTRANCE

Drawn	Date
Author	07/26/2017 2:22:22 PM
Checked By	Drawing Number
Checker	
Approved	
Approver	
Job Number	
215-1051	

PA-101.0

TRUE NORTH
PROJECT NORTH

2017 Lothan Van Hook Destefano Architecture LLC



FOR REFERENCE ONLY

K3 LEVEL 2 PLAN - DOTY ST. ENTRY

SCALE: 1/8" = 1'-0"

TRUE NORTH
PROJECT NORTH

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General Notes

WISCONSIN
THOMAS L. HANNIGAN
37802-006
ELGIN
ILLINOIS
PROFESSIONAL ENGINEER
7/14/2017

No.	Description	Date
10	BULLETIN #2	12/07/2017
9	BID DOCUMENTS	09/07/2017
6	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
5	ISSUED FOR FINAL BID	06/23/2017
4	ISSUED FOR BID	06/16/2017
3	ISSUED FOR 100% CD'S/ OWNERS REVIEW	06/01/2017
2	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017
1	ISSUED FOR SCHEMATIC DESIGN	03/03/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

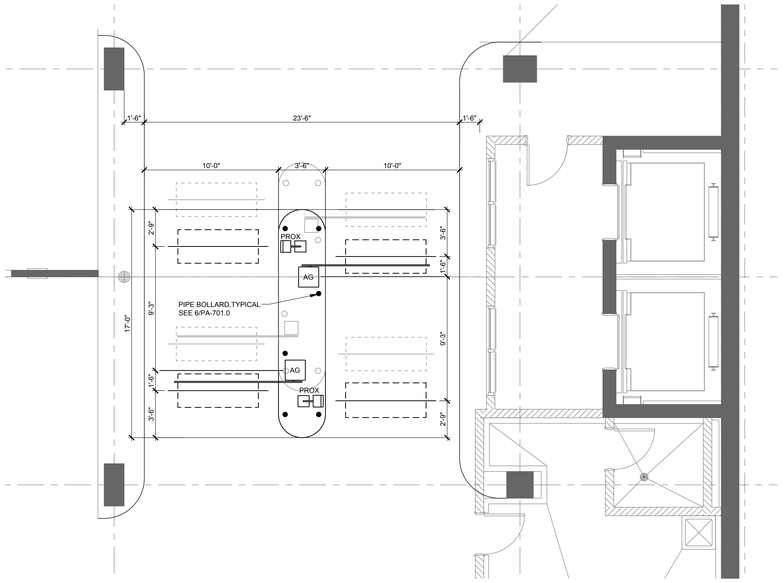
LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

LEVEL 2 PLAN - DOTY STREET ENTRANCE

Drawn	Date
Author	07/26/2017 2:22:22 PM
Checked By	Drawing Number
Checker	
Approved	
Approver	
Job Number	
215-1051	

PA-102.0



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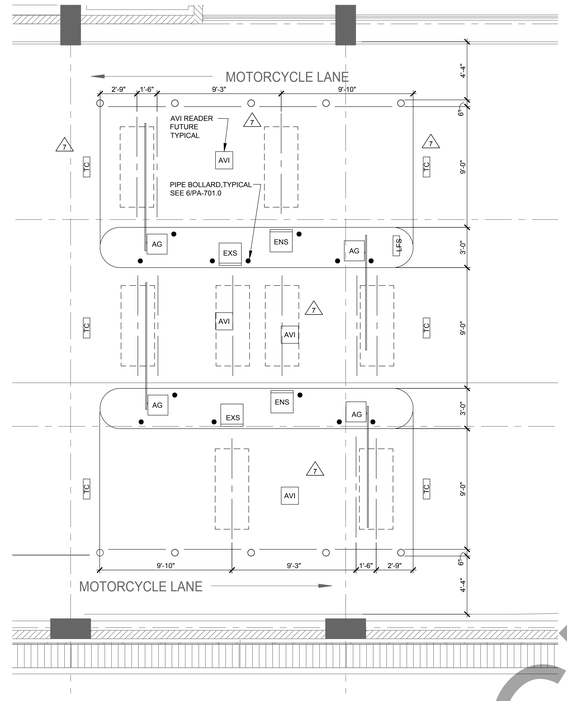

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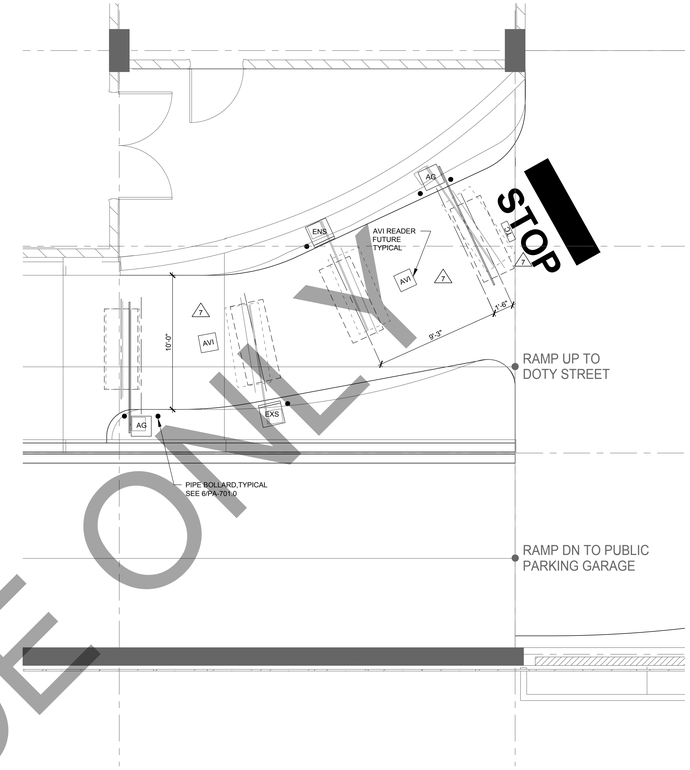


3 ENLARGED PLAN

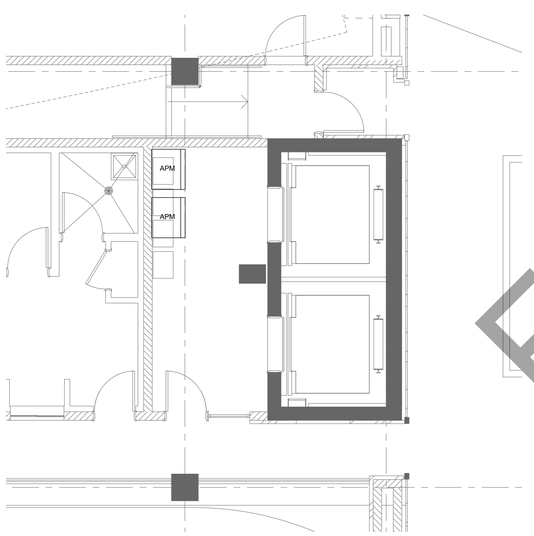
0 2' 4' 8'

EQUIPMENT LEGEND

EQUIPMENT	DEFINITION
AG	AUTOMATIC GATE
6'-0" / 2'-6"	TYPICAL LOOP
●	ISLAND PROTECTIVE BOLLARD
LFS	LOT FULL SIGN
TC	TRAFFIC CONTROLLER
PROX	PROXIMITY CARD READER/INTERCOM
ENS	ENTRANCE STATION
EXS	EXIT STATION
AVI	FUTURE (AVI) AUTOMATIC VEHICLE IDENTIFICATION OVERHEAD MOUNT
APM	AUTOMATED PAY MACHINE/INTERCOM

NOTE:

1. THE CITY OF MADISON WILL BE PROCURING THE PARKING ACCESS AND REVENUE CONTROL EQUIPMENT (PARCS) DIRECTLY FROM HUB. HUB WILL PLACE ALL THEIR EQUIPMENT ON THE PROJECT; HOWEVER, ALL ELECTRICAL AND COMMUNICATIONS WORK ASSOCIATED WITH THE PARCS IS PART OF THIS PROJECT. THIS INCLUDES INSTALLATION OF THE DETECTOR LOOPS.



4 ENLARGED PLAN

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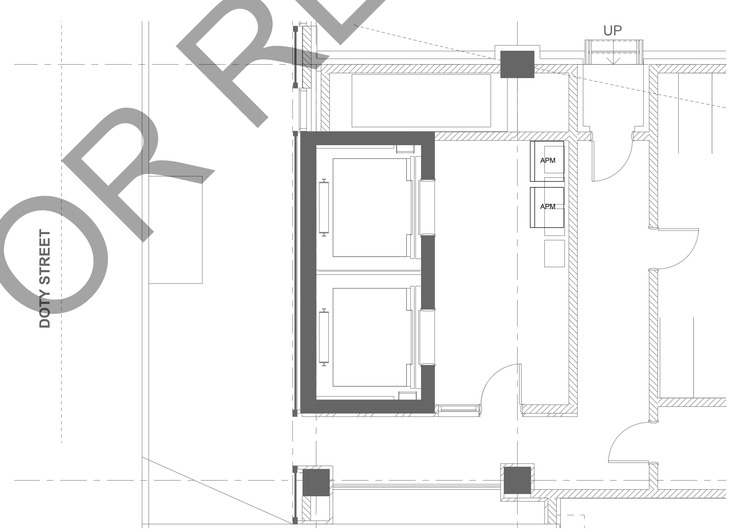

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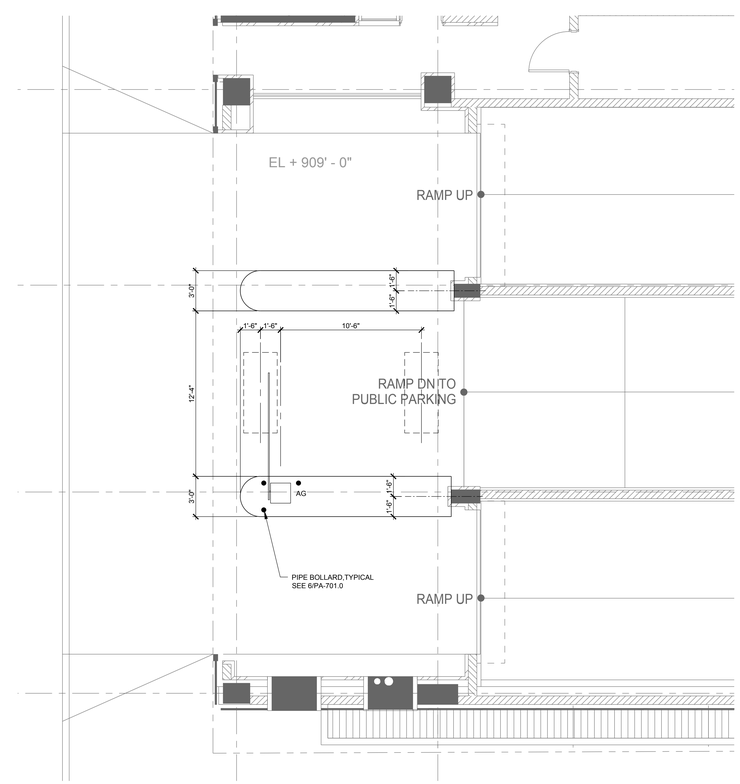

6 ENLARGED PLAN

0 2' 4' 8'

TRUE NORTH
PROJECT NORTH

2017 Lothan Van Hook Destefano Architecture LLC

FOR REFERENCE ONLY

General Notes

STATE OF WISCONSIN
THOMAS L. HANNULA
37802-006
ELGIN
ILLINOIS
PROFESSIONAL ENGINEER
7/11/2017

No.	Description	Date
10	BULLETIN #2	12/07/2017
9	BID DOCUMENTS	09/07/2017
7	ADDENDUM 2	07/28/2017
6	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
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3	ISSUED FOR 100% CD'S/ OWNERS REVIEW	06/01/2017
2	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017
1	ISSUED FOR SCHEMATIC DESIGN	02/03/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano
ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS
MADISON | CHICAGO | ST. LOUIS

PARKING CONSULTANT:
WALKER
PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS
A WEIDLINGER | PARSONS BRINCKERHOFF COMPANY

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

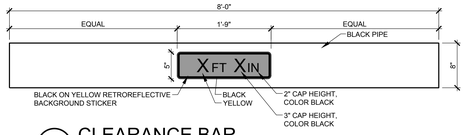
Drawing Title

ENLARGED PLANS

Drawn	Date
Author	07/26/2017 2:22:22 PM
Checked By	**Drawing Number**
Checker	
Approved	
Approver	
Job Number	
215-1061	

PA-401.0

1 SIGN DETAIL - ILLUMINATED



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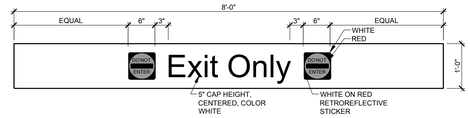
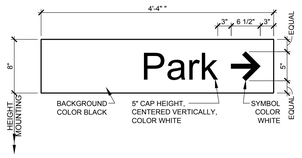
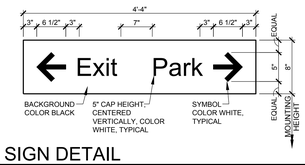


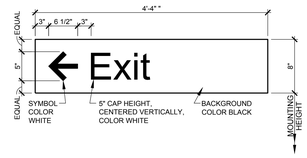
3 DO NOT ENTER CLEARANCE BAR ILLUMINATED



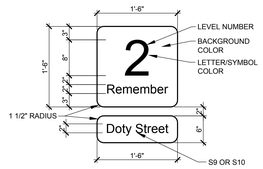
4 SIGN DETAIL



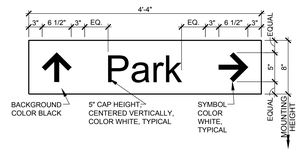
5 SIGN DETAIL



6 SIGN DETAIL



7 SIGN DETAIL



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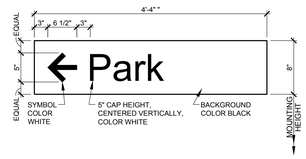

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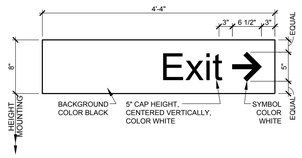

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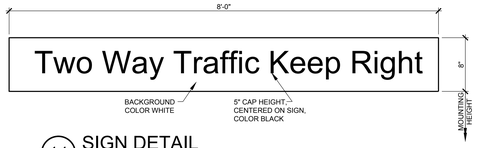
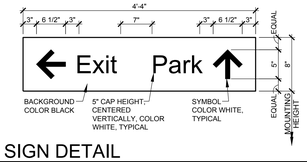


11 SIGN DETAIL

12 SIGN DETAIL ILLUMINATED



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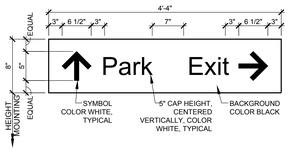

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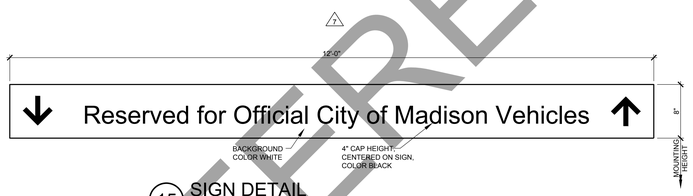

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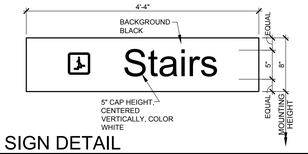

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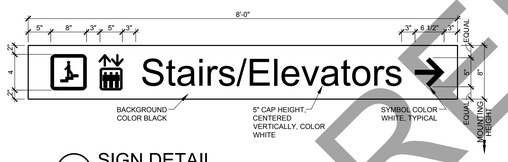

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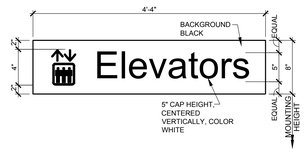

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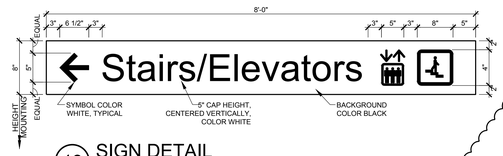

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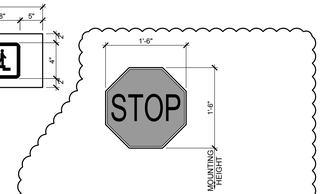
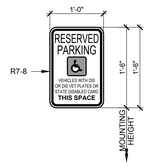
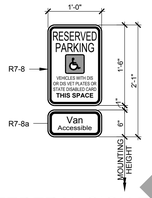


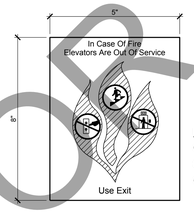
10 37 FEDERAL SIGN R1-1



20 FEDERAL SIGN R7-8



21 FEDERAL SIGN R7-8a



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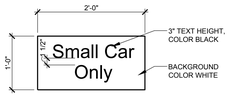

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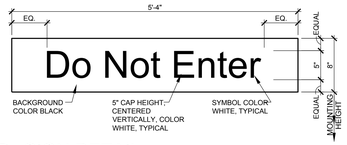

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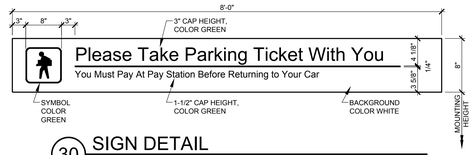

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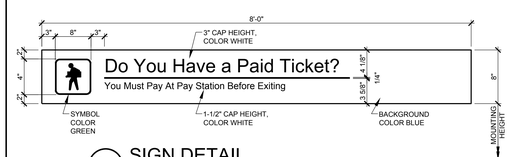

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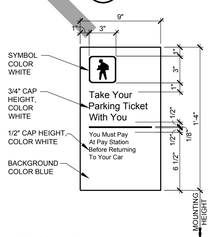

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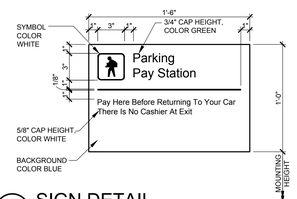

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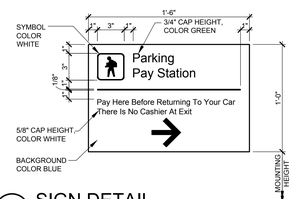

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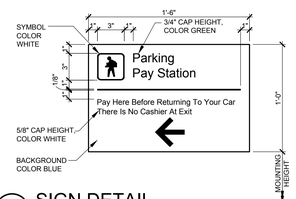
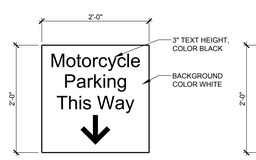


34A SIGN DETAIL



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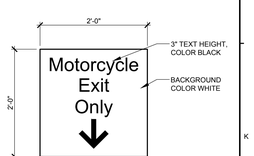


36 SIGN DETAIL

SIGN SCHEDULE

MARK	SIZE W	SIZE L	TEXT/MESSAGE	SIGN TYPE	MOUNTING DETAIL	MOUNTING HT.	SIGN DETAIL	REMARKS
S1	1'-0"	8'-0"	Entrance 8	I	1/PA-501	8'-2"	1/PA-601.0	"ILLUMNATED"
S2	0'-8"	8'-0"	8 FT 2 IN	PVC	1/PA-501	8'-2"	2/PA-601.0	
S2A	0'-8"	8'-0"	7 FT 10 IN	PVC	1/PA-501	7'-10"	2/PA-601.0	
S3	1'-0"	8'-0"	Exit Only 8	I	4/PA-701	8'-2"	3/PA-601.0	"ILLUMNATED"
S3A	0'-8"	8'-0"	Exit Only 8	I	4/PA-701	8'-2"		"ILLUMNATED"
S4	0'-8"	4'-4"	Park →	V	4/PA-701	8'-2"	4/PA-601.0	S4a MOUNTING HT = 8'-2"
S5	0'-8"	8'-0"	← Exit Park →	V	4/PA-701	8'-2"	5/PA-601.0	
S6	0'-8"	4'-4"	← Exit	V	4/PA-701	8'-2"	6/PA-601.0	S6a MOUNTING HT = 8'-2"
S7	1'-6"	1'-6"	(LEVEL DESIGNATION)	PP	2/PA-701	5'-0"	7/PA-601.0	
S8	0'-8"	8'-0"	↑ Park →	V	4/PA-701	8'-2"	8/PA-601.0	S8a MOUNTING HT = 8'-2"
S9	0'-6"	1'-6"	Doty Street	PP	2/PA-701	5'-0"	7/PA-601.0	
S10	0'-6"	1'-6"	Wilson Street	PP	2/PA-701	5'-0"	7/PA-601.0	
S11	0'-8"	8'-0"	Two Way Traffic Keep Right	V	2/PA-701	8'-2"	11/PA-601.0	
S12	0'-8"	8'-0"	↑ Wilson Street Exit ↑ 8	I	4/PA-701	8'-2"	12/PA-601.0	"ILLUMNATED"
S13	0'-8"	8'-0"	← Exit Park ↑	V	4/PA-701	8'-2"	13/PA-601.0	
S14	0'-8"	8'-0"	↑ Park Exit →	V	4/PA-701	8'-2"	14/PA-601.0	
S15	0'-8"	12'-0"	↓ Reserved for Official City of Madison Vehicles ↑ 7	V	4/PA-701	8'-2"	15/PA-601.0	
S16	0'-8"	4'-4"	Stairs	PP	4/PA-701	8'-2"	16/PA-601.0	
S17	0'-8"	8'-0"	Stairs/Elevators →	PP	4/PA-701	8'-2"	17/PA-601.0	
S18	0'-8"	4'-4"	Elevators	PP	4/PA-701	8'-2"	18/PA-601.0	
S19	0'-8"	8'-0"	← Stairs/Elevators	PP	4/PA-701	8'-2"	19/PA-601.0	
* S20-R7-8	1'-6"	1'-0"		R	2/PA-701 5/PA-701	5'-0"	20/PA-601.0	* SEE CITY OF MADISON FOR ACCESSIBILITY SIGN REQUIREMENTS
* S21-R7-8a	2'-1"	1'-0"	VAN	R	2/PA-701	5'-0"	21/PA-601.0	TWO COMPONENT SIGN * SEE CITY OF MADISON FOR ACCESSIBILITY SIGN REQUIREMENTS
S22	5"	0'-8"	In Case of Fire...	VR	2/PA-701	5'-0"	22/PA-601.0	
S23	24"	12"	Small Car Only	VR	2/PA-701	5'-0"		
S24	0'-8"	8'-0"	← Doty Street Exit Open Or No Left Turn 8	DM	4/PA-701	8'-2"		"DYNAMIC MESSAGING"
S25	11'-0"		Apartment Parking Entrance	I	4/PA-701	8'-2"		"ILLUMNATED"
S26	11'-0"		Public Parking Entrance Or Do Not Enter Use Wilson Street Entrance	DM	4/PA-701	8'-2"		"DYNAMIC MESSAGING"
S26A		7	← WILSON STREET EXIT	V			7	SUPER GRAPHIC PAINTED ON WALL - 12" HIGH BLUE LETTERS ON WHITE STAINED CONCRETE WALL
S27			Entrance Exit Only	DM	4/PA-701	8'-2"		"DYNAMIC MESSAGING"
S28	0'-8"	8'-0"	Do Not Enter	V	4/PA-701	8'-2"	28/PA-601.0	
S29	0'-8"	8'-0"	7 FT 0 IN	PVC	1/PA-701			
S30	0'-8"	8'-0"	Please Take Parking Ticket..	PP	4/PA-701	8'-2"	30/PA-601.0	
S31	0'-8"	8'-0"	Do You Have a Paid Ticket	PP	4/PA-701	8'-2"	31/PA-601.0	
S32	2'-8"	1'-6"	Take Parking Ticket With You	PP	2/PA-701	5'-0"	32/PA-601.0	
S33	1'-0"	1'-6"	Parking Pay Station	PP	2/PA-701	5'-0"	33/PA-601.0	
S34	1'-0"	1'-6"	Parking Pay Station →	PP	2/PA-701	5'-0"	34/PA-601.0	
S34A	1'-0"	1'-6"	Parking Pay Station ←	PP	2/PA-701	5'-0"	34A/PA-601.0	
S35	2'-0"	2'-0"	Motorcycle Parking This Way ↓	PP	4/PA-701	8'-2"	35/PA-601.0	
S36	2'-0"	2'-0"	Motorcycle Exit Only ↓	PP	4/PA-701	8'-2"	36/PA-601.0	
S37	2'-0"	2'-0"	Motorcycle Parking This Way ←	PP	4/PA-701	8'-2"	35/PA-601.0	(SIIMILAR)
S38	*	*	* Motorcycle Space	PP	2/PA-701 9/PA-701	5'-0"	*	* INSTALL OWNER-SUPPLIED SIGNS AT THE END OF ALL MOTORCYCLE SPACES USING CONTRACTOR SUPPLIED 3/8" x 1 1/2" HILTI HLC-HX SS 304 OR APPROVED EQUAL SLEEVE ANCHORS
10 S39	1'-6"	1'-6"	STOP	R	9/PA-701	7'-0"	37/PA-601.0	

SIGN TYPES LEGEND

MARK - TYPE
- V - VEHICULAR (RETROREFLECTIVE TEXT ONLY)
- R - REGULATORY (RETROREFLECTIVE)
- PP - PEDESTRIAN PANEL
- PS - PEDESTRIAN SUPERGRAPHICS
- PVC - PVC CLEARANCE
- VR - VANDAL RESISTANT
- I - INTERNALLY ILLUMINATED
- DM - DYNAMIC MESSAGE

8

SIGNAGE GENERAL NOTES

1. SIGN MOUNTING HEIGHT TO BE 2" ABOVE BOTTOM OF BEAMS PER LEVEL UNLESS NOTED OTHERWISE.
2. SIGN CONTRACTOR SHALL REVIEW SIGN LOCATIONS PRIOR TO INSTALLATION WITH ENGINEER TO COORDINATE WITH LIGHTING SYSTEM.
3. SIGNS SHALL BE MOUNTED LEVEL AND PLUMB, UNLESS NOTED.
4. WHERE TWO (2) SIGNS ARE MOUNTED BACK TO BACK, SMALLEST L DIMENSION SHALL INCREASE TO MATCH LARGEST L DIMENSION.
5. MAXIMUM BOLT INSERT EMBEDMENT LENGTH 1-1/4", UNLESS NOTED.
6. DO NOT SCALE DRAWINGS.
7. BACKS AND EDGES OF ALL ALUMINUM SIGNS MOUNTED DIRECTLY TO STRUCTURE SHALL BE PAINTED (SIGN BACKGROUND COLOR) TO PREVENT CATHODIC REACTION.
8. SEE ARCHITECTURAL GRAPHICS PLANS (100 SERIES) FOR SIGN LOCATIONS.
9. ILLUMINATED SIGNS TO BE UL LISTED OR APPROVED EQUIVALENT.
10. ALL FONTS TO BE ARIAL OR APPROVED EQUIVALENT SAN SERIF FONT, UNLESS NOTED OTHERWISE.
11. COLORS TO BE PER MUTCD STANDARDS.

FOR REFERENCE ONLY

General Notes

No.	Description	Date
10	BULLETIN #2	12/07/2017
9	BID DOCUMENTS	09/07/2017
8	ADDENDUM 3	08/02/2017
7	ADDENDUM 2	07/28/2017
6	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
5	ISSUED FOR FINAL BID	06/23/2017
4	ISSUED FOR BID	06/16/2017
3	ISSUED FOR 100% CD'S/ OWNERS REVIEW	06/01/2017
2	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017
1	ISSUED FOR SCHEMATIC DESIGN	02/03/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE

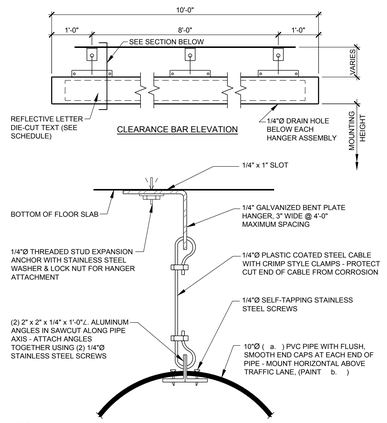
Drawing Title

SIGN SCHEDULE AND COMPONENTS

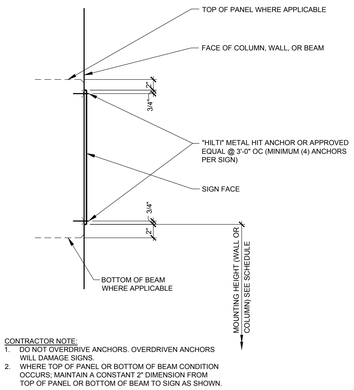
Drawn	Date
Author	07/26/2017 2:22:22 PM
Checked By	Drawing Number
Checker	
Approved	
Approver	
Job Number	PA-601.0
215-1051	

TRUE NORTH
PROJECT NORTH

2017 Lothan Van Hook Destefano Architecture LLC

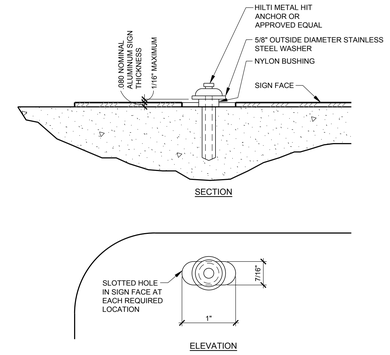


1 SIGN MOUNTING DETAIL



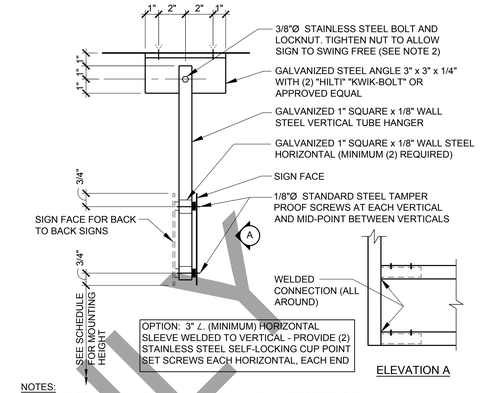
CONTRACTOR NOTE:
1. DO NOT OVERDRIVE ANCHORS. OVERDRIVEN ANCHORS WILL DAMAGE SIGNS.
2. WHERE TOP OF PANEL OR BOTTOM OF BEAM CONDITION OCCURS: MAINTAIN A CONSTANT 2" DIMENSION FROM TOP OF PANEL OR BOTTOM OF BEAM TO SIGN AS SHOWN.

2 SIGN MOUNTING DETAIL



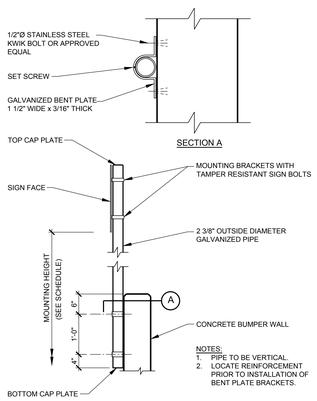
NOTES:
1. DO NOT OVERDRIVE METAL HIT ANCHORS; OVERDRIVEN ANCHORS WILL DAMAGE BUSHING AND SIGNS.
2. USE THIS MOUNTING DETAIL ON BUMPER WALLS, COLUMNS, PANELS AND BEAMS WITH DETAIL X/AG-XXX AT TOP TIER AND IN CONDITIONS WHERE SIGN FACE IS EXPOSED TO DIRECT SUNLIGHT.

3 SIGN MOUNTING DETAIL



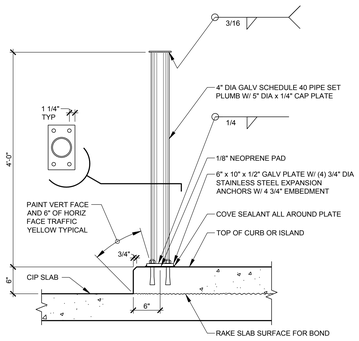
NOTES:
1. HANGER SPACING 3'-0" OC MAXIMUM - MINIMUM (2) HANGERS PER SIGN.
2. OPTIONAL HANGER CONNECTION - 3/8"Ø STAINLESS STEEL CLEVIS PIN WITH HAIRPIN COTTER.
3. MAXIMUM SIGN CANTILEVER 1'-0".

4 SIGN MOUNTING DETAIL



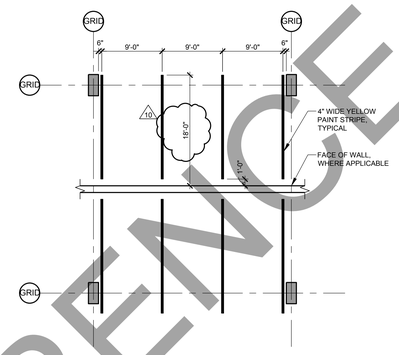
NOTES:
1. PIPE TO BE VERTICAL.
2. LOCATE REINFORCEMENT PRIOR TO INSTALLATION OF BENT PLATE BRACKETS.

5 SIGN MOUNTING DETAIL



NOTES:
1. PAINT ENTIRE PIPE BOLLARD ASSEMBLY TRAFFIC YELLOW.
2. PARCS VENDOR AND GENERAL CONTRACTOR TO COORDINATE FINAL LOCATION OF PIPE BOLLARD WITH EQUIPMENT ACCESS REQUIREMENTS.
3. IF SLIP FORM CURB PROPOSED, CONTACT WALKER PROJECT MANAGER FOR ALTERNATE DETAIL.

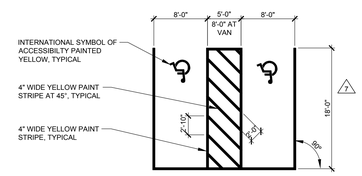
6 PARCS - PIPE BOLLARD



7 90° STRIPING DETAIL

SCALE: 1/8" = 1'-0"

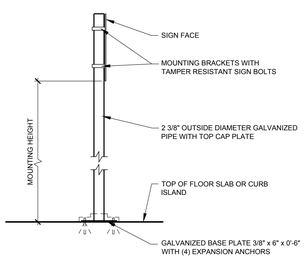
0 4' 8' 16'



8 90° ACCESSIBLE STRIPING DETAIL

SCALE: 1/8" = 1'-0"

0 4' 8' 16'



NOTE: SIGN POST TO BE SHIMMED TO VERTICAL.

9 SIGN MOUNTING DETAIL

FOR REFERENCE ONLY

TRUE NORTH
PROJECT NORTH

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General Notes

WISCONSIN THOMAS L. HANNULA 37803-006 ELGIN ILLINOIS PROFESSIONAL ENGINEER
7/11/2017

No.	Description	Date
10	BULLETIN #2	12/07/2017
9	BID DOCUMENTS	09/07/2017
7	ADDENDUM 2	07/28/2017
6	ISSUED FOR STATE BUILDING PERMIT	07/14/2017
5	ISSUED FOR FINAL BID	06/23/2017
4	ISSUED FOR BID	06/16/2017
3	ISSUED FOR 100% CD'S/ OWNERS REVIEW	06/01/2017
2	ISSUED FOR DESIGN DEVELOPMENT	04/28/2017
1	ISSUED FOR SCHEMATIC DESIGN	02/03/2017

JUDGE DOYLE SQUARE - BLOCK 88

JUDGE DOYLE SQUARE

CITY OF MADISON, 53703

ARCHITECT:
lothan van hook destefano ARCHITECTURE LLC

ASSOCIATE ARCHITECT:
INSITE CONSULTING ARCHITECTS

PARKING CONSULTANT:
WALKER PARKING CONSULTANTS

STRUCTURAL ENGINEERS:
HALVORSON AND PARTNERS

MEP/FP ENGINEERS:
AEI Affiliated Engineers

CIVIL ENGINEERS:
Mead & Hunt

LANDSCAPE ARCHITECT:
WOLFF LANDSCAPE ARCHITECTURE
PLANNING
LANDSCAPE ARCHITECTURE
URBAN DESIGN

Drawing Title

SIGN MOUNTING DETAILS

Drawn	Date
Author	07/26/2017 2:22:22 PM
Checked By	Drawing Number
Checker	
Approved	
Approver	PA-701.0
Job Number	
215-1051	