

Meadowridge Branch Library & Meadowood Neighborhood Center

Madison, Wisconsin - Bid Package 1

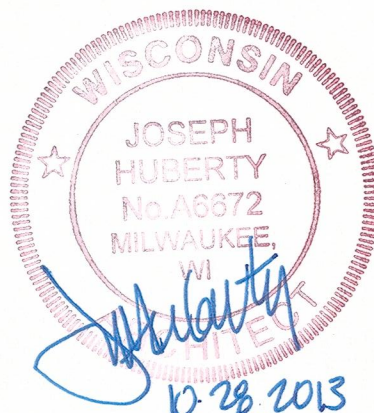


PROJECT

SEAL

CONSULTANTS

SITE LOCATION MAP



ARCHITECTURAL

ENGBERG ANDERSON

1 NORTH PINCKNEY STREET
MADISON, WISCONSIN 53752
PH 608-250-0100
FX 608-250-0200

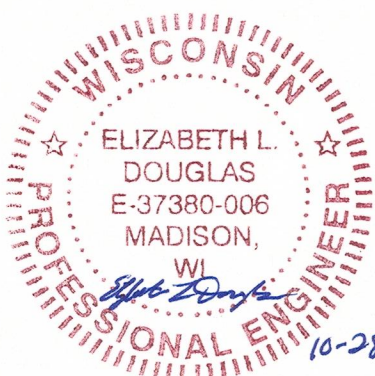
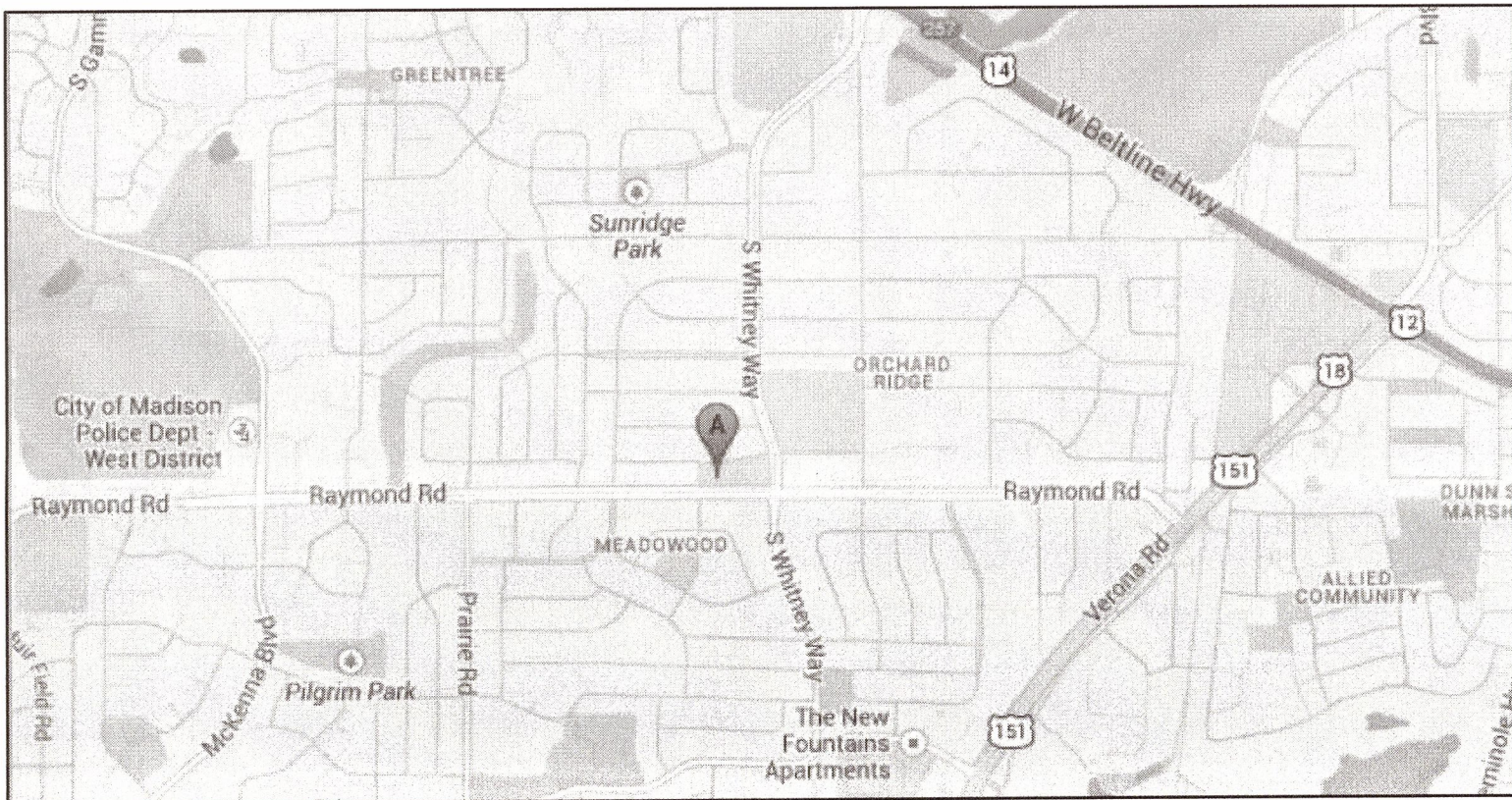
T101 TITLE SHEET

D101 DEMOLITION PLAN - PHASE 1
D102 DEMOLITION PLAN - PHASE 2
D103 DEMOLITION PLAN - PHASE 3

A000 SYMBOLS AND ABBREVIATIONS
A001 CODE CONFORMANCE PLAN
A002 CODE CONFORMANCE PLAN BY PHASE
A101 FLOOR PLAN PHASE 1 - BRANCH LIBRARY
A102 FLOOR PLAN PHASE 2 - NEIGHBORHOOD CENTER
A103 FLOOR PLAN PHASE 3 - SHARED SPACE
A104 ROOF PLAN
A201 REFLECTED CEILING PLAN PHASE 1 - BRANCH LIBRARY
A202 REFLECTED CEILING PLAN PHASE 2 - NEIGHBORHOOD CENTER
A203 REFLECTED CEILING PLAN PHASE 3 - SHARED SPACE
A301 RESTROOM PLANS & ELEVATIONS
A401 EXTERIOR ELEVATIONS & DETAILS
A402 EXTERIOR SITE DETAILS
A601 DOOR SCHEDULE & FRAME ELEVATIONS
A602 WALL TYPES & FRAME DETAILS
A701 FINISH PLAN
A702 ROOM FINISH SCHEDULE
A703 FURNITURE PLAN - REFERENCE ONLY
A801 INTERIOR ELEVATIONS
A802 INTERIOR ELEVATIONS
A901 MILLWORK ELEVATIONS & DETAILS
A902 MILLWORK ELEVATIONS & DETAILS
A903 FIREPLACE ELEVATIONS, SECTION & DETAILS
A904 DETAILS
A905 DETAILS

S101 STRUCTURAL PLAN & NOTES
S102 STRUCTURAL DETAILS

5726, 5734 & 5740 Raymond Road, Madison WI 53711



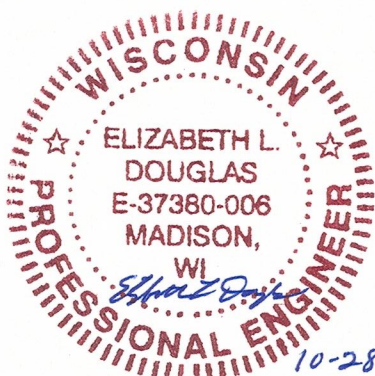
MECHANICAL

HENNEMAN ENGINEERING INC.

1232 FOURIER DR.
MADISON, WI 53717
PH 608-833-7000
FX 608-833-6996

MD100 FIRST FLOOR MECHANICAL DEMOLITION PLAN

M000 MECHANICAL NOTES, SYMBOLS, AND ABBREVIATIONS
M100 FIRST FLOOR DUCTWORK NEW WORK PLAN
M200 ROOF MECHANICAL NEW WORK PLAN
M300 MECHANICAL DETAILS
M301 MECHANICAL DETAILS
M400 MECHANICAL SCHEDULES



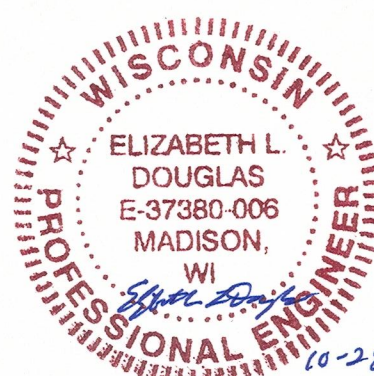
ELECTRICAL

HENNEMAN ENGINEERING INC.

1232 FOURIER DR.
MADISON, WI 53717
PH 608-833-7000
FX 608-833-6996

ED100 FIRST FLOOR ELECTRICAL DEMOLITION PLAN

E000 ELECTRICAL NOTES, SYMBOLS, AND ABBREVIATIONS
E100 FIRST FLOOR LIGHTING NEW WORK PLAN
E110 FIRST FLOOR POWER NEW WORK PLAN
E200 ROOF ELECTRICAL NEW WORK PLAN
E300 ELECTRICAL DETAILS
E301 ELECTRICAL DETAILS
E400 ELECTRICAL SCHEDULES
E401 ELECTRICAL SCHEDULES
E402 ELECTRICAL SCHEDULES



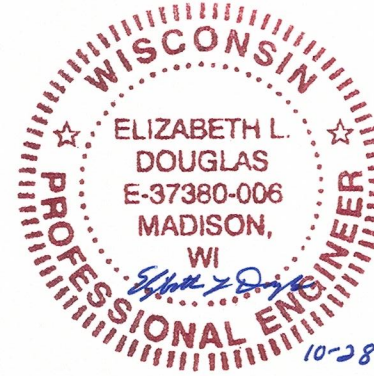
PLUMBING

HENNEMAN ENGINEERING INC.

1232 FOURIER DR.
MADISON, WI 53717
PH 608-833-7000
FX 608-833-6996

PD110 FIRST FLOOR PLUMBING DEMOLITION PLAN

P000 PLUMBING NOTES, SYMBOLS, DETAILS & ABBREVIATIONS
P001 SITE PLUMBING NEW WORK PLAN
P100 FIRST FLOOR UNDERFLOOR PLUMBING NEW WORK PLAN
P110 FIRST FLOOR PLUMBING NEW WORK PLAN
P200 PLUMBING DETAILS
P300 PLUMBING RISERS



FIRE PROTECTION

HENNEMAN ENGINEERING INC.

1232 FOURIER DR.
MADISON, WI 53717
PH 608-833-7000
FX 608-833-6996

F100 FIRST FLOOR FIRE PROTECTION NEW WORK PLAN

FOOD SERVICE

STEWART DESIGN

2934 FISH HATCHERY RD. SUITE 212
MADISON, WI 53713
PH 608-271-8554
FX 608-271-7848

K101 FOODSERVICE LAYOUT AND MEP SCHEDULE
K102 FOODSERVICE PLUMBING AND ELECTRICAL ROUGH-INS
K103 FOODSERVICE BUILDING WORKS PLAN, ELEVATIONS, AND DETAILS
K104 FOODSERVICE DETAILS

Meadowridge Branch Library & Meadowood Neighborhood Center

Madison, Wisconsin

Owner:

City of Madison

210 MLK Jr. Blvd

Madison, WI 53703-3342

PROJECT NUMBER

132273.00

ISSUED FOR:

BIDDING

10-28-13

REVISION FOR:

NO. DESCRIPTION

DATE

DRAWN BY

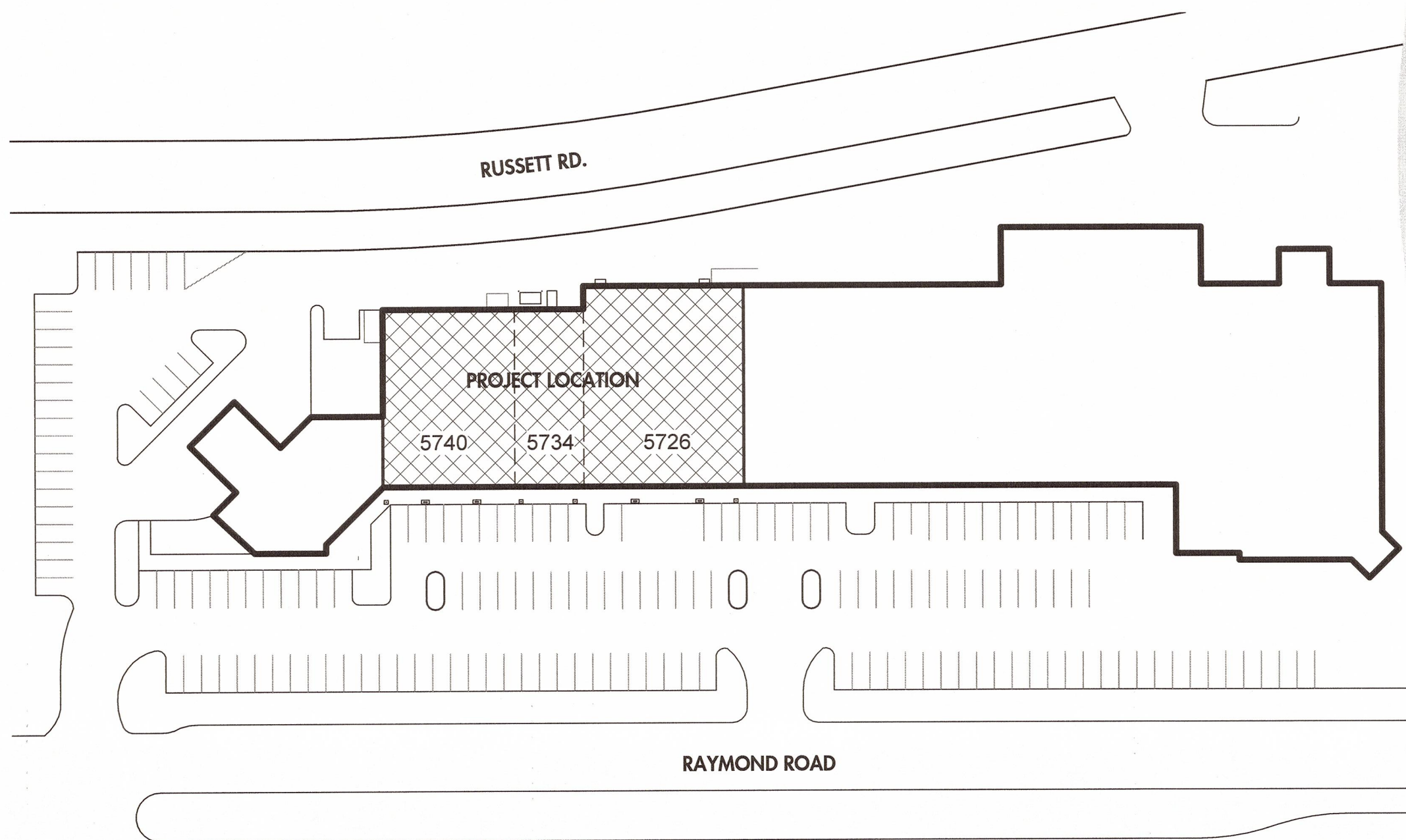
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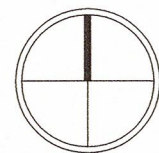
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TITLE SHEET

T101



ENLARGED SITE LOCATION



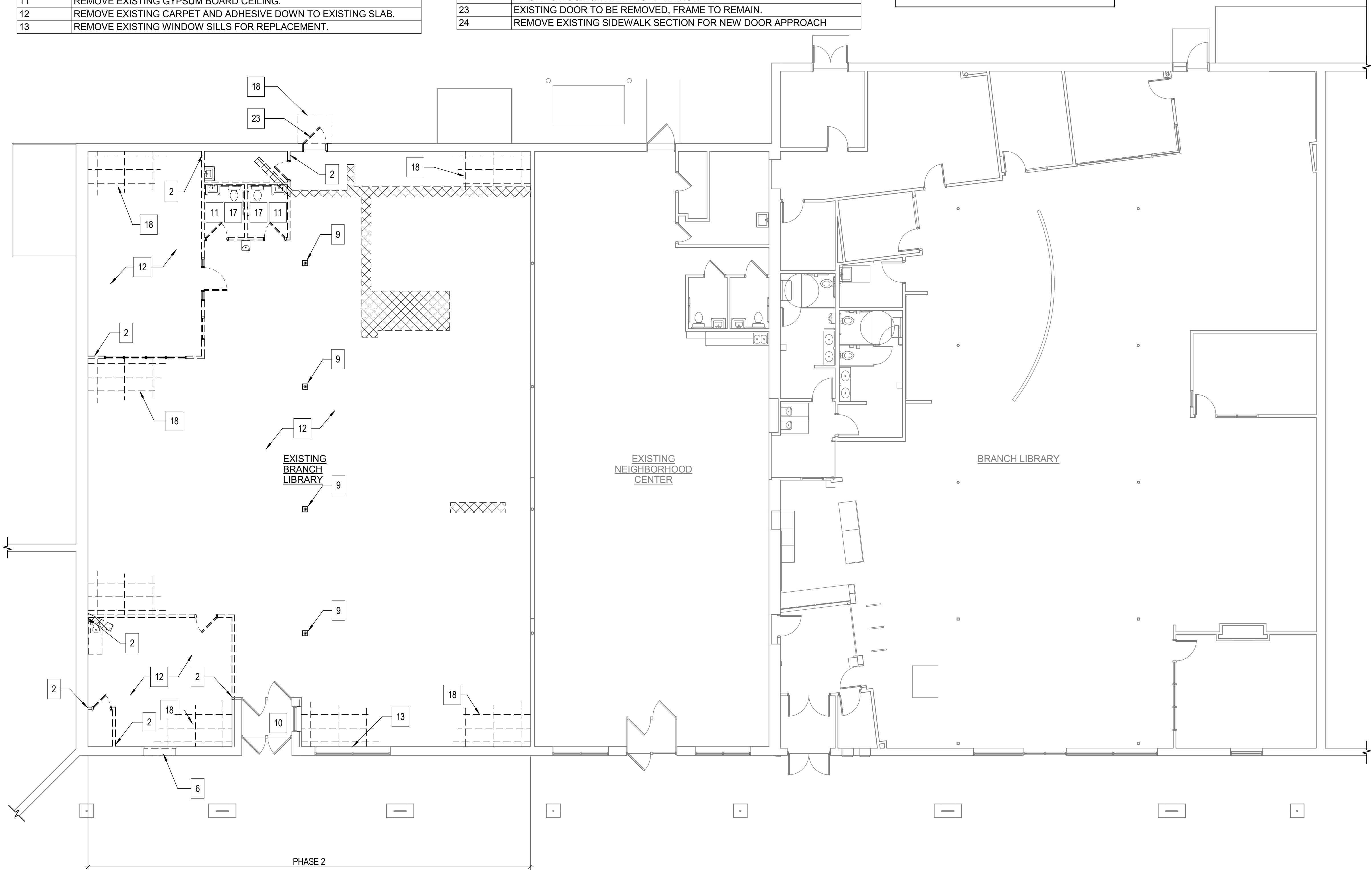
Plan North

Demolition Keynote Legend	
Key Value	Keynote Text
1	REMOVE EXISTING STUD WALL & CMU WALL AS REQUIRED FOR NEW OPENING. SEE SHEET S101 FOR NEW HEADERS. WOOD FURRING WALL ON OPPOSITE SIDE TO REMAIN UNTIL PHASE 3.
2	PATCH EXISTING GYPSUM BOARD WHERE EXISTING WALLS WERE DEMOLISHED.
3	APPROXIMATE AREA OF EXISTING SLAB TO BE REPAIRED - SEE S101.
4	REMOVE EXISTING GYPSUM BOARD TO PROVIDE BLOCKING & NEW GYPSUM BOARD TO BE FLUSH WITH REST OF WALL -SEE FLOOR PLAN.
5	REMOVE EXISTING VCT & ADHESIVE DOWN TO EXISTING CONCRETE SLAB.
6	REMOVE EXISTING WALL FOR NEW OPENING - SEE FLOOR PLANS FOR DIMENSIONS. SEE STRUCTURAL FOR NEW HEADERS
7	REMOVE EXISTING DOOR & TRANSOM FRAMING - EXISTING SIDELITES TO REMAIN -SEE EXTERIOR ELEVATION FOR MORE INFORMATION.
8	REMOVE EXISTING OVERHEAD WOOD SHELVEING SYSTEM
9	REMOVE EXISTING FURRING AROUND COLUMN.
10	REMOVE EXISTING WALK OFF MAT @ ENTRY
11	REMOVE EXISTING GYPSUM BOARD CEILING.
12	REMOVE EXISTING CARPET AND ADHESIVE DOWN TO EXISTING SLAB.
13	REMOVE EXISTING WINDOW SILLS FOR REPLACEMENT.

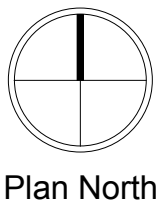
Demolition Keynote Legend	
Key Value	Keynote Text
14	PROVIDE TEMPORARY DUST AND NOISE ENCLOSURE FOR DEMOLITION OF EXISTING WALL. COORDINATE W/ OWNER SUITABLE TIMES TO CONSTRUCT BARRIER. MAINTAIN CLEARANCES AROUND TEMPORARY BARRIER AS REQUIRED BY CODE.
15	REMOVE EXISTING ALUMINUM VESTIBULE. PROVIDE NEW ALUMINUM CLOSURE PIECES FOR EXISTING FRAME TO REMAIN. V.I.F.
16	REMOVE EXISTING RUBBER FLOORING, CLEAN CONCRETE TO REMOVE ALL EXISTING ADHESIVES.
17	REMOVE EXISTING CERAMIC TILE FLOORING & GROUT DOWN TO EXISTING CONCRETE SLAB.
18	REMOVE EXISTING ACT CEILING.
19	PROTECT AND MAINTAIN EXISTING PAINTED MURAL ON GYPSUM BOARD WALL.
20	TEMPORARY WALL TO REMOVE AT END OF PAHSE 3. COORDINATE WITH SCHEDULE.
21	EXISTING CONCRETE STOOP TO BE REMOVED.
22	EXISTING DOOR & FRAME TO BE REMOVED.
23	EXISTING DOOR TO BE REMOVED, FRAME TO REMAIN.
24	REMOVE EXISTING SIDEWALK SECTION FOR NEW DOOR APPROACH

DEMO PLAN SYMBOLS	
	EXISTING WALL TO REMAIN
	EXISTING WALL TO BE REMOVED
	EXISTING DOOR AND WALL TO REMAIN
	EXISTING DOOR TO BE REMOVED IN EXISTING WALL
	GENERAL AREAS FOR CONCRETE SLAB TO BE REMOVED. SEE ARCHITECTURAL & MEP DRAWINGS FOR LIMITS

GENERAL NOTES - DEMOLITION	
1.	FIELD VERIFY ALL CONDITIONS PRIOR TO DEMOLITION
2.	NOTIFY ARCHITECT OF ANY DISCREPANCIES BETWEEN EXISTING BUILDING AND DRAWINGS BEFORE PROCEEDING WITH DEMOLITION.
3.	SEE MECHANICAL, ELECTRICAL & PLUMBING DEMOLITION DRAWINGS FOR ADDITIONAL INFORMATION.
4.	COORDINATE WITH MEP PLANS, ARCHITECTURAL AND STRUCTURAL DETAILS BEFORE PENETRATING EXISTING WALLS.
5.	PROTECT ALL SURFACES TO REMAIN FROM DAMAGE DURING DEMOLITION.
6.	REMOVE VINYL BASE ON ALL EXISTING WALLS TO REMAIN.
7.	REMOVE ALL SURFACE MOUNTED ITEMS ON EXISTING WALLS TO REMAIN, INCLUDING BUT NOT LIMITED TO WOOD BLOCKING, PEG BOARD, PLYWOOD AND TACKBOARDS. PATCH AND REPAIR EXISTING HOLES.
8.	REMOVE ALL SINKS & TOILETS - SEE PLUMBING DEMO



1 DEMOLITION PLAN PHASE 2 - EXISTING LIBRARY
SCALE: 1/8" = 1'-0"



Meadowridge Branch Library
& Meadowood Neighborhood
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Madison, Wisconsin

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PROJECT NUMBER 132273.00

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DEMOLITION PLAN -
PHASE 2

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3	APPROXIMATE AREA OF EXISTING SLAB TO BE REPAIRED - SEE S101.
4	REMOVE EXISTING GYPSUM BOARD TO PROVIDE BLOCKING & NEW GYPSUM BOARD TO BE FLUSH WITH REST OF WALL -SEE FLOOR PLAN.
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Demolition Keynote Legend	
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23	EXISTING DOOR TO BE REMOVED. FRAME TO REMAIN.
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DEMO PLAN SYMBOLS

EXISTING WALL TO REMAIN

EXISTING WALL TO BE REMOVED

EXISTING DOOR AND WALL TO REMAIN

EXISTING DOOR TO BE REMOVED IN EXISTING WALL

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2.

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3.

SEE MECHANICAL, ELECTRICAL & PLUMBING DEMOLITION DRAWINGS FOR ADDITIONAL INFORMATION.
4.

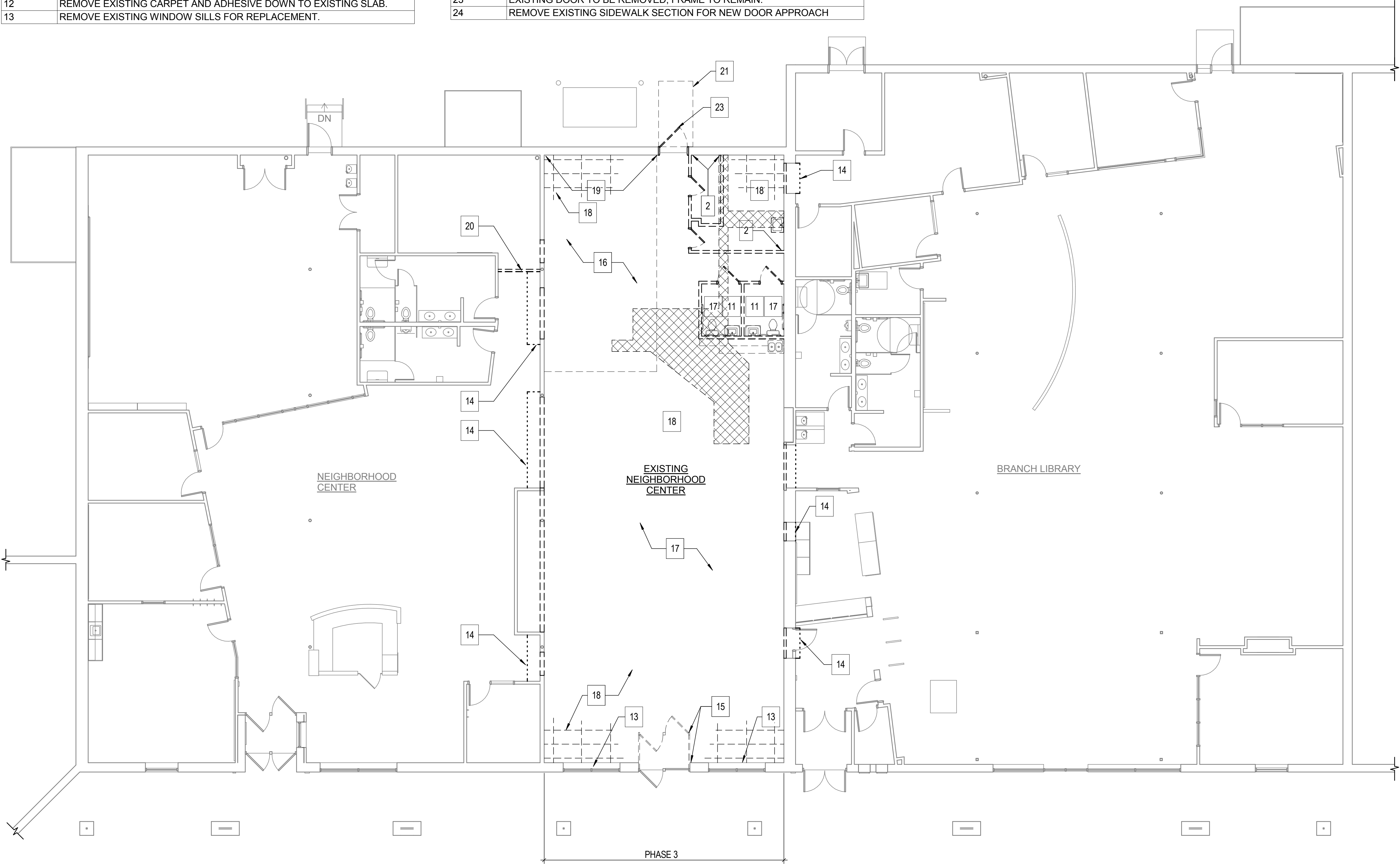
COORDINATE WITH MEP PLANS, ARCHITECTURAL AND STRUCTURAL DETAILS BEFORE PENETRATING EXISTING WALLS.
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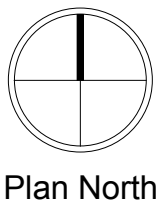
REMOVE ALL SINKS & TOILETS - SEE PLUMBING DEMO



1

DEMOLITION PLAN PHASE 3 - EXISTING NEIGHBORHOOD CENTER

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



Meadowridge Branch Library
& Meadowood Neighborhood
Center

Madison, Wisconsin

Owner:
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Madison, WI 53703-3342

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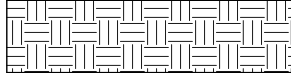
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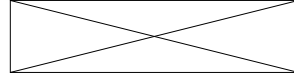
DEMOLITION PLAN
- PHASE 3

	Angle	G	Gas	REINF	Reinforce(d), (ing)
	Centerline	GA	Gauge	REV	Revision(s), Revise(d)
	Plate	GAL	Gallon	RM	Room
#	Number	GALV	Galvanized	RO	Rough Opening
@	At	GB	Grab Bar	ROW	Right of Way
ø	Diameter	GC	General Contractor	RTU	Roof Top Unit
		GLULAM	Glue-Laminated	RWL	Rain Water Leader
AC	Air Conditioning	GND	Ground		
ACT	Acoustical Ceiling Tile	GS	Galvanized Steel	SCHED	Schedule
ADJ	Adjacent	GWB	Gypsum Wall Board	SD	Smoke Detector
AFF	Above Finish Floor	GYP	Gypsum	SIM	Similar
ALT	Alternate			SPEC	Specification(s)
ALUM	Aluminum	HB	Hose Bibb	SPKR	Speaker
ANOD	Anodized	HCPD	Handicapped	SQ	Square
APPROX	Approximate	HDWR	Hardware	SS	Stainless Steel
ASPH	Asphalt	HM	Hollow Metal	STA	Station
AVG	Average	HORIZ	Horizontal	STC	Sound Transmission Coefficient
		HVAC	Heating, Ventilating, & Air Conditioning	STD	Standard
		HW	Hot Water	STL	Steel
B.O.	Bottom of(steel, concrete, etc.)			STOR	Storage
BD	Board	ID	Inside Diameter	STR	Structural
BITUM	Bituminous	INCAND	Incandescent	SUSP	Suspend(ed)
BLDG	Building	INCL	Include(d), (ing), (tion)	SV	Sheet Vinyl
BRG	Bearing	INSUL	Insulate(d), (ing), (tion)		
BSMT	Basement	INT	Interior	T	Tread
BTM	Bottom			T&B	Top and Bottom
BUR	Built up Roofing	JAN	Janitor	T&G	Tongue & Groove
		JT	Joint	T.O.	Top of....(steel, conc., etc.)
CAB	Cabinet			TEL.	Telephone
CB	Catch Basin	KIT	Kitchen	TEMP	Temperature
CG	Corner Guard			THRESH	Threshold
CJ	Control Joint	LAB	Laboratory	TLT	Toilet
CLG	Ceiling	LAM	Laminate(d)	TS	Tubular Steel
CM	Construction Manager	LAV	Lavatory	TV	Television
CMU	Concrete Masonry Unit	LBS	Pounds	TYP	Typical
CO	Clean Out	LL	Live Load		
COL	Column	LVR	Louver	UG	Underground
CONC	Concrete			UL	Underwriter's Laboratories
CONST	Construct(ion)	MAS	Masonry	UNO	Unless Noted Otherwise
CONT	Continuous	MATL	Material(s)	UR	Urinal
CONTR	Contractor	MAX	Maximum	UTIL	Utility
CORR	Corridor	MDO	Medium Density Overlay		
CPT	Carpet(ed)	MECH	Mechanical	VCT	Vinyl Composition Tile
CRS	Course(s)	MFR	Manufacturer	VENT	Ventilation
CT	Ceramic Tile	MH	Manhole	VERT	Vertical
CUH	Cabinet Unit Heater	MIN	Minimum	VEST	Vestibule
		MISC	Miscellaneous	VTR	Vent Through Roof
D	Penny (nail size)	MO	Masonry Opening	VWC	Vinyl Wall Covering
DBL	Double	MTL	Metal		
DEG	Degree	MULL	Mullion	W/	With
DEMO	Demolish/Demolition			W/O	Without
DEPT	Department	NIC	Not in Contract	WC	Water Closet
DIAG	Diagonal	NO	Number	WCO	Wall Clean Out
DIAM	Diameter	NOM	Nominal	WD	Wood
DIM	Dimension	NRC	Noise Reduction Coefficient	WH	Water Heater
DL	Dead Load	NTS	Not To Scale	WP	Weatherproof
DN	Down			WSCT	Wainscot
DT	Drain Tile	OC	On Center	WWF	Welded Wire Fabric
DWG	Drawing	OD	Outside Diameter		
		OFF	Office	YD	Yard(s)
EA	Each	OPNG	Opening		
EDF	Electric Drinking Fountain	OPP	Opposite		
EIFS	Ext. Insul. & Finish System	OPT	Option(al)		
EJ	Expansion Joint	OZ	Ounce		
EL	Elevation				
ELEC	Electric(al)	P.T.	Pressure Treated		
ELEV	Elevator	PBD	Particle Board		
EMER	Emergency	PC	Precast Concrete		
ENCL	Enclosure(ure)	PED	Pedestal		
EP	Electrical Panel	PER	Perforated		
EQ	Equal	PERIM	Perimeter		
EWH	Electric Wall Heater	PERP	Perpendicular		
EXIST	Existing	PKG	Parking		
EXT	Exterior	PLAM	Plastic Laminate		
		PRELIM	Preliminary		
FA	Fire Alarm	PROP	Property		
FAB	Fabricate	PRV	Power Roof Ventilator		
FD	Floor Drain	PSF	Pounds per Square Foot		
FE	Fire Extinguisher	PSI	Pounds per Square Inch		
FEC	Fire Extinguisher Cabinet w/Extinguisher				
FHC	Fire Hose Cabinet	QT	Quarry Tile		
FIN	Finish(ed)	QTY	Quantity		
FLR	Floor				
FND	Foundation	R	Riser(s)		
FO	Finished Opening	RAD	Radius		
FT	Foot, Feet	RB	Resilient Base		
FTG	Footing	RD	Roof Drain		
FUT	Future	REF	Refer, Reference		
		REFR	Refrigerator		

MATERIAL DESIGNATIONS



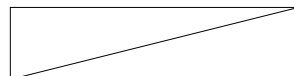
EARTH



ROUGH WOOD FRAMING



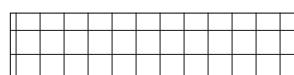
MULCH



ROUGH WOOD BLOCKING



POROUS FILL



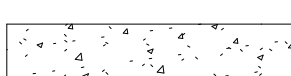
RIGID INSULATION



ROCK



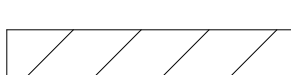
PLYWOOD



CONCRETE



FINISHED WOOD



CMU



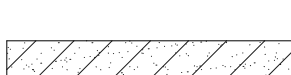
BATT INSULATION



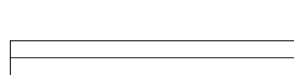
BRICK



PLASTER, SAND, ETC.



STONE



CERAMIC TILE



METAL



ACT

ABBREVIATIONS - FINISH	
FINISH TAG	FINISH DESCRIPTION
ACS	ACOUSTICAL CEILING SYSTEM
ACT	ACOUSTICAL CEILING TILE
AWP	ACOUSTICAL WALL PANEL
C-	CORNER GUARD
CPT	CARPET TILE
CT	CERAMIC TILE
DR	DRAPERY
DST	DIMENSIONAL STONE TILE
EP	EPOXY FLOORING
EX	EXISTING
FWC	FABRIC WALL COVERING
GL	GLASS
GWB	PAINTED GYP BOARD CEILING
LIN	LINOLEUM
MP	METAL PANEL
OTS	OPEN TO STRUCTURE
PLAM	PLASTIC LAMINATE
PT	PAINT
RB	RUBBER BASE / RESILIENT BASE
RF	RESILIENT FLOOR
RT	RESILIENT TILE
RWP	RIGID WALL PROTECTION
SC	SEALED CONCRETE
SS	SOLID SURFACE
ST	STAINED CONCRETE
SV	SHEET VINYL
FWP	FABRIC WRAPPED TACKABLE PANEL
TZ	TERAZZO
VCT	VINYL COMPOSITION TILE
VWC	VINYL WALL COVERING
WD	WOOD
WM	WALK OFF MAT

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SYMBOLS AND ABBREVIATIONS

ARCHITECTURAL SYMBOLS	
	Detail Number BUILDING ELEVATION Sheet Number
	Detail Number BUILDING SECTION Sheet Number
	Detail Number WALL SECTION Sheet Number
	Detail Number DETAIL REFERENCE Sheet Number
	Elevation Number INTERIOR ELEVATION Sheet Number
	KEY NOTE
	WALL TYPE
	WINDOW OR BORROWED LIGHT
	REVISION BUBBLE
	Ceiling Type CEILING TYPE Ceiling Elevation
	DOOR TAG
SEE DRAWINGS OF RESPECTIVE DISCIPLINES FOR ADDITIONAL SYMBOLS	

Room name Room Name
ROOM TAGS

Room name Room Name
Room name Room Number
88888

ELEVATION
EL. 000'-0"

DOOR SYMBOLS

NEW DOOR

EXISTING DOOR AND WALL

EXISTING DOOR TO BE REMOVED IN EXISTING WALL

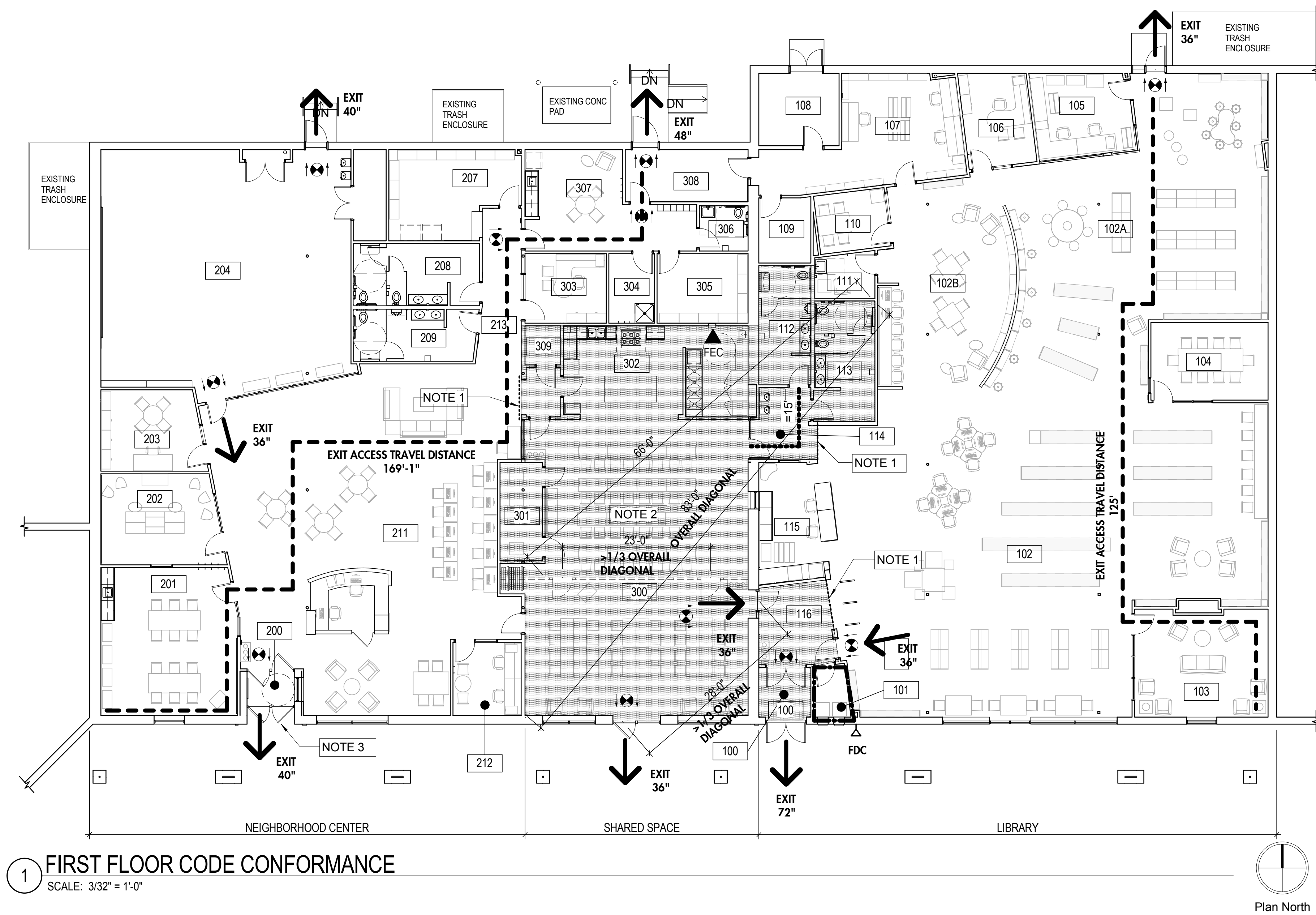
NEW OVERHEAD DOOR

WALL SYMBOLS

EXISTING WALL TO REMAIN

NEW WALL

A000



1 FIRST FLOOR CODE CONFORMANCE
SCALE: 3/32" = 1'-0"

OCCUPANCY SCHEDULE - NEIGHBORHOOD CENTER					
NUMBER	NAME	FUNCTION	OCCU PANT / SF	AREA	OCCU PANT LOAD
FIRST FLOOR					
200	VESTIBULE	(none)	0	41 SF	
205	ELEC. CLOSET	(none)	0	11 SF	
208	WOMENS	(none)	0	183 SF	
209	MENS	(none)	0	150 SF	
213	HALL	(none)	0	213 SF	
206	STORAGE	ACCESSORY	300	70 SF	1
211	LIVING ROOM	ASSEMBLY - UNCONCENTRATED	15	1938 SF	130
204	COMMUNITY ACTIVITY ROOM	ASSEMBLY - UNCONCENTRATED	15	1401 SF	94
202	GAMING	ASSEMBLY - UNCONCENTRATED	15	253 SF	17
212	OFFICE	BUSINESS AREAS	100	118 SF	2
207	PANTRY	BUSINESS AREAS	100	251 SF	3
203	COMMUNITY GROUPS	BUSINESS AREAS	100	192 SF	2
214	CONCIERGE	BUSINESS AREAS	100	104 SF	2
201	SMALL ACTIVITY ROOM	EDUCATIONAL - CLASSROOM	20	473 SF	24
Grand total					275

OCCUPANCY SCHEDULE - SHARED SPACE					
NUMBER	NAME	FUNCTION	OCCUPANT / SF	AREA	OCCUPANT LOAD
FIRST FLOOR					
306	STAFF	(none)	0	52 SF	
308	RECEIVING	(none)	0	151 SF	
305	STORAGE	ACCESSORY	300	150 SF	1
304	JANITORS	ACCESSORY	300	75 SF	1
301	STORAGE	ACCESSORY	300	99 SF	1
309	STORAGE	ACCESSORY	300	33 SF	1
300	COMMUNITY ROOM	ASSEMBLY - UNCONCENTRATED	15	1550 SF	104
303	OFFICE	BUSINESS AREAS	100	134 SF	2
307	STAFF LOUNGE	BUSINESS AREAS	100	315 SF	4
302	KITCHEN	KITCHENS, COMMERCIAL	200	393 SF	2
Grand total					116

OCCUPANCY SCHEDULE - LIBRARY					
NUMBER	NAME	FUNCTION	OCCUPANT / SF	AREA	OCCUPANT LOAD
FIRST FLOOR					
100	VESTIBULE	(none)	0	67 SF	
101	BOOK RETURN	(none)	0	42 SF	
112	MENS	(none)	0	145 SF	
113	WOMENS	(none)	0	171 SF	
114	VESTIBULE	(none)	0	100 SF	
116	ENTRY	(none)		139 SF	
108	MECH. / ELEC. SYSTEMS	ACCESSORY	300	138 SF	1
109		ACCESSORY	300	80 SF	1
104	STUDY ROOM	ASSEMBLY - UNCONCENTRATED	15	215 SF	15
105	YOUTH OFFICE	BUSINESS AREAS	100	190 SF	2
106	OFFICE	BUSINESS AREAS	100	150 SF	2
107	CHECK IN	BUSINESS AREAS	100	399 SF	4
111	COMFORT	BUSINESS AREAS	100	63 SF	1
115	ASK DESK	BUSINESS AREAS	100	233 SF	3
103	QUIET ROOM	LIBRARY - READING ROOMS	50	336 SF	7
110	STUDY ROOM	LIBRARY - READING ROOMS	50	98 SF	2
102	ADULT COLLECTIONS	LIBRARY - READING ROOMS	50	2888 SF	58
102A	YOUTH COLLECTIONS	LIBRARY - READING ROOMS	50	1504 SF	31
102B	TEENS	LIBRARY - READING ROOMS	50	613 SF	13
Grand total					140

APPLICABLE CODES	
ZONING CODE	CITY OF MADISON ZONING
BUILDING CODE	2009 IBC
ACCESSIBILITY CODE	2009 IBC; 2003 ANSI
FIRE SAFETY CODE	2009 NFPA 1
PLUMBING CODE	WCBC
ELECTRICAL CODE	2008 NEC
MECHANICAL CODE	2009 IMC
ENERGY CODE	2009 IECC
NOTES	-
BUILDING DATA	
OCC. CLASSIFICATION	A-3 ASSEMBLY
CONSTRUCTION TYPE	5B
SPRINKLERED	AUTOMATIC SPRINKLERS - QUICK RESPONSE
SEISMIC CATEGORY	A
NUMBER OF STORIES	1
1ST FLOOR SQUARE FEET	16,407 SF
LIBRARY	7,755 SF
NEIGHB. CENTER	5,671 SF
SHARED SPACE	2,981 SF
BUILDING TOTAL SIZE	16,407 SF
CONSTRUCTION REQUIREMENTS	
EXT. WALLS-NON BEARING	REFER TO PROPER TABLE (TYPICALLY TABLE 602)
STRUCTURAL FRAME	0 HR
PARTITIONS	0 HR
FLOOR/CEILING	0 HR
ROOF/CEILING	0 HR
STAIR CONSTRUCTION	N/A
MEANS OF EGRESS	
OCCUPANT LOAD	531 OCCUPANTS
LIBRARY	140 OCCUPANTS
NEIGHB. CENTER	275 OCCUPANTS
SHARED SPACE	116 OCCUPANTS
EXIT DOOR WIDTH REQ'D (x .2")	28"
EXIT DOOR WIDTH PROVIDED	108"
SANITARY REQUIREMENTS	
FIXTURE REQUIREMENTS	LAVATORIES REQUIRED (MALE) 1/200 RATIO (FEMALE) 1/200 RATIO
MALE OCCUPANTS = 265	2
FEMALE OCCUPANTS = 265	2
DRINKING FOUNTAINS	1/500 RATIO 2 REQUIRED / 4 PROVIDED
SERVICE SINK	1 REQUIRED / 1 PROVIDED
* = URINALS MAY ACCOUNT FOR UP TO 50% OF MALE TOILETS REQUIRED.	

CODE ANALYSIS SYMBOLS	
	EXITING SIGN
	FIRE EXTINGUISHER - CABINET
	FIRE EXTINGUISHER - SURFACE MOUNTED DURING CONSTRUCTION
	EXIT ACCESS DISTANCE = 250'-0" MAXIMUM W/ SPRINKLERS
	DEAD END CORRIDOR = 20' MAXIMUM
	1 HR FIRE RATING

KEYED NOTES	
1.	LOCATION OF SECURITY GRILLES WILL BE CLOSED ONLY WHEN NEIGHBORHOOD CENTER OR LIBRARY ARE NOT IN OPERATION. GRILLES WILL REMAIN UP WHEN OCCUPIED.
2.	SHADED AREA SHOWS THE LIMITS OF THE SHARED SPACE TO BE USED WHEN THE NEIGHBORHOOD CENTER AND LIBRARY ARE NOT IN OPERATION.
3.	ACCESSIBLE ACCESS SIDE OF EXISTING VESTIBULE TO REMAIN. OPPOSITE DOORS TO BE EXIT ACCESS.

Meadowridge Branch Library
& Meadowood Neighborhood
Center

Madison, Wisconsin

Owner:
City of Madison
210 MLK Jr. Blvd
Madison, WI 53703-3342

PROJECT NUMBER 132273.00

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CODE
CONFORMANCE
PLAN

Meadowridge Branch Library
& Meadowood Neighborhood
Center

Madison, Wisconsin

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Madison, WI 53703-3342

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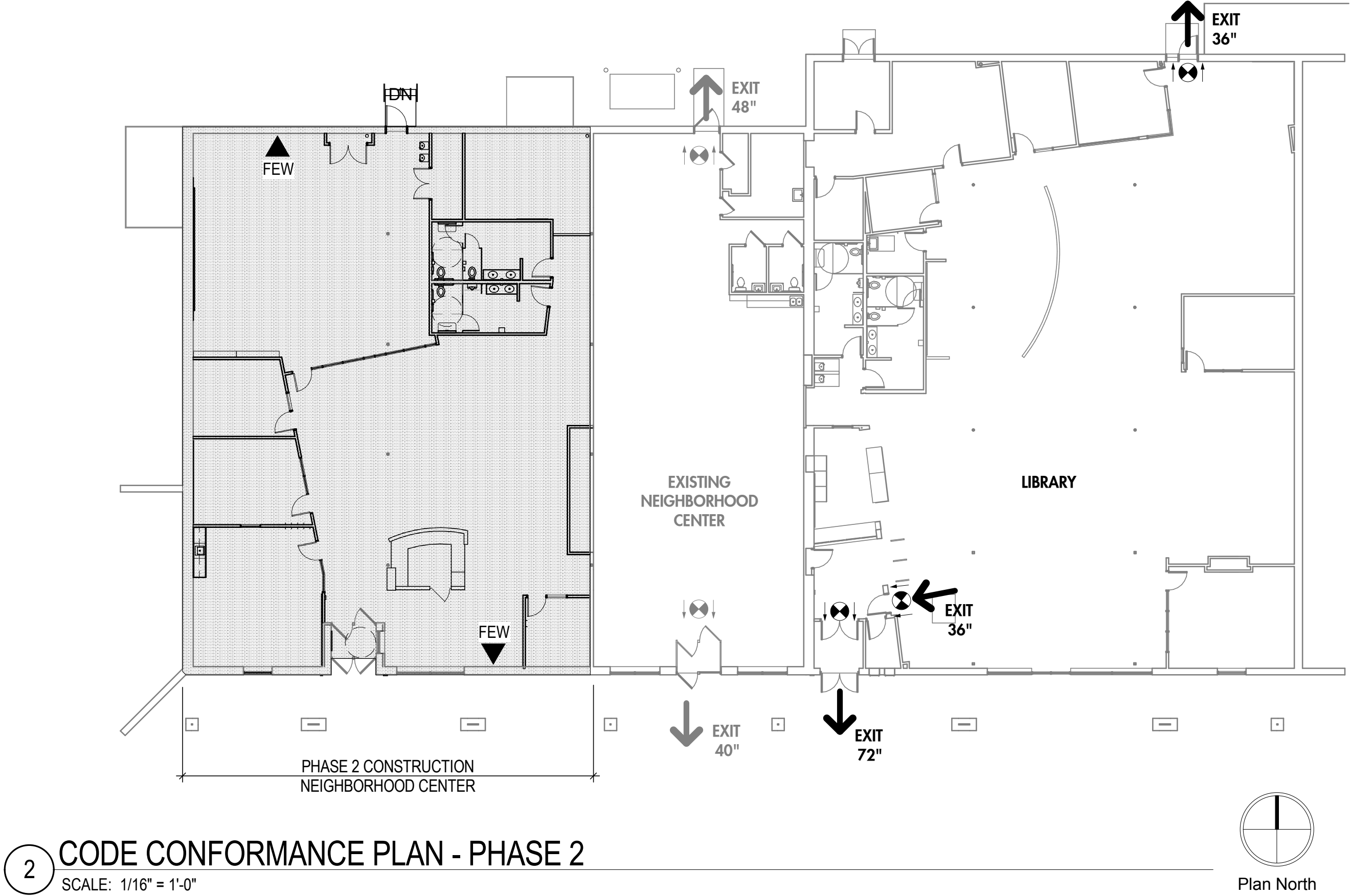
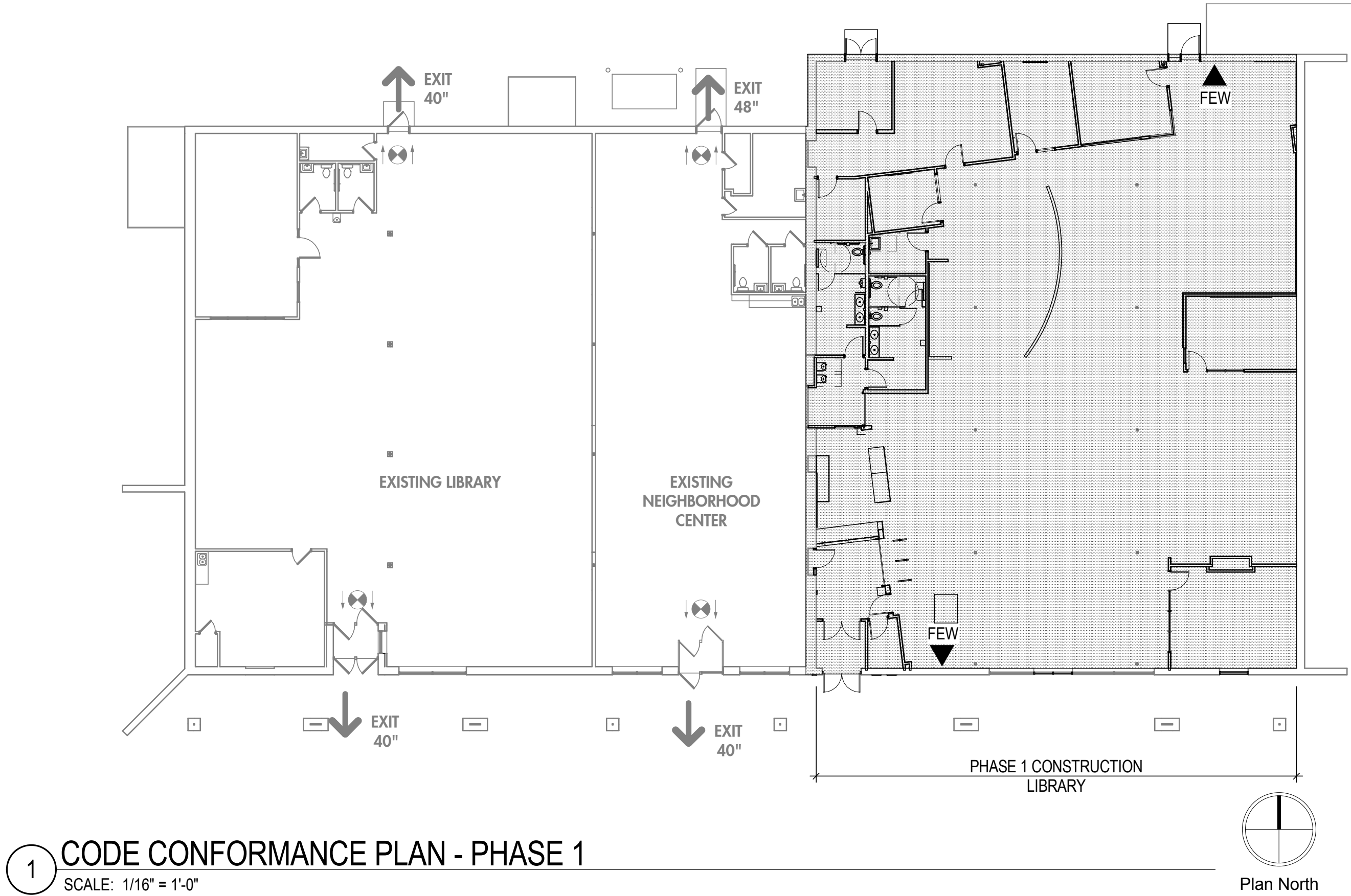
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CODE
CONFORMANCE
PLAN BY PHASE

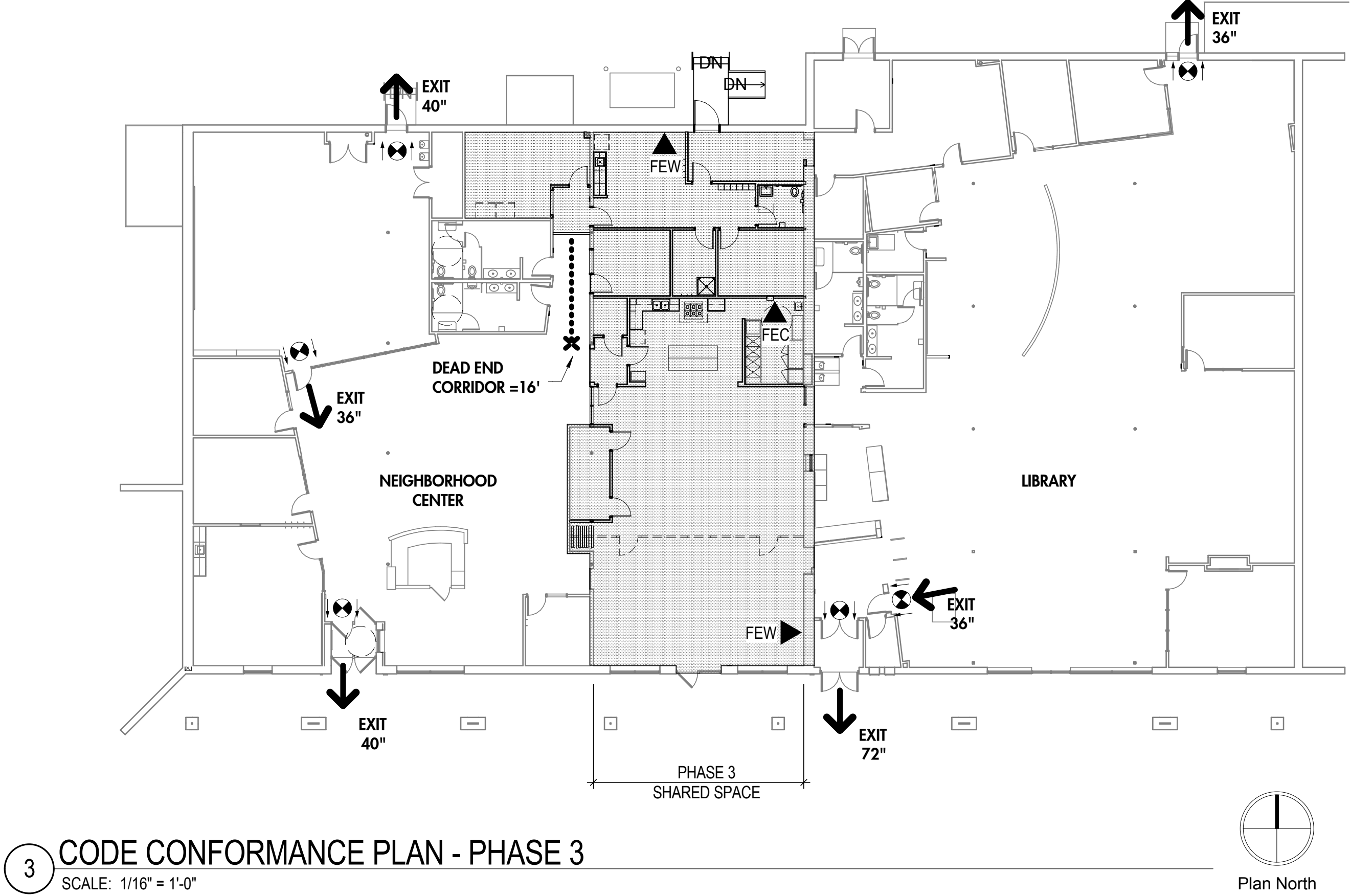
A002



CODE ANALYSIS SYMBOLS	
	EXITING SIGN
	FIRE EXTINGUISHER - CABINET
	FIRE EXTINGUISHER - SURFACE MOUNTED DURING CONSTRUCTION
	EXIT ACCESS DISTANCE = 250'-0" MAXIMUM W/ SPRINKLERS
	DEAD END CORRIDOR = 20' MAXIMUM
	1 HR FIRE RATING

GENERAL NOTES

1. AUTOMATIC SPRINKLER SYSTEM TO BE ACTIVE IN ALL NEW SPACES THAT ARE OCCUPIED DURING THE PHASED CONSTRUCTION.

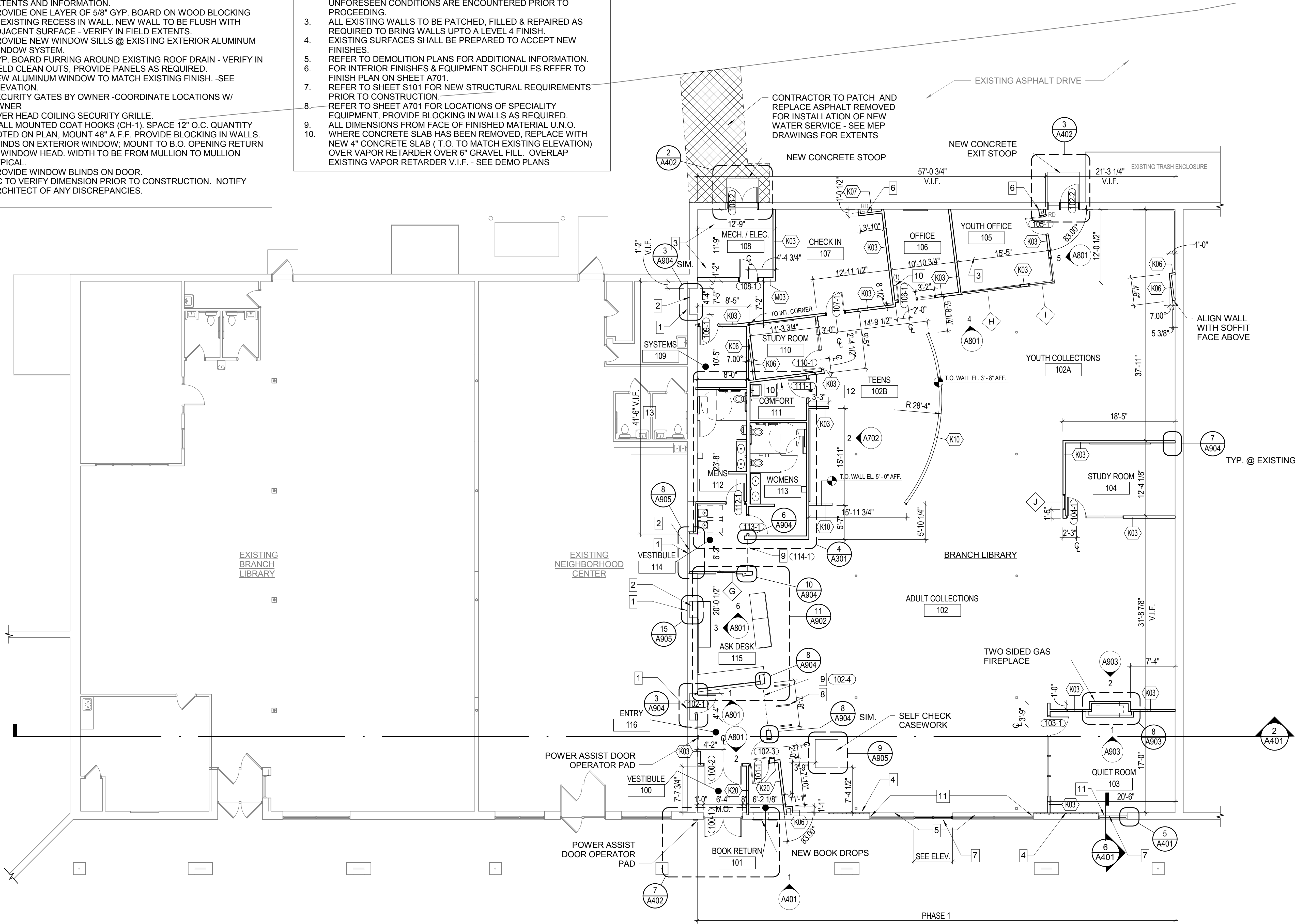


KEYED NOTES - PHASE 1

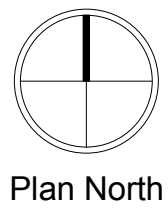
- EXISTING GYP. BOARD & FURRING ON OPPOSITE SIDE TO REMAIN UNTIL PHASE 3 AT NEW OPENINGS.
- PROVIDE TEMPORARY GYP. BOARD SHEATHING @ NEW OPENING UNTIL IT IS FINISHED IN PHASE 3.
- EXISTING CONCRETE SLAB TO BE REPAIRED - SEE S101 FOR EXTENTS AND INFORMATION.
- PROVIDE ONE LAYER OF 5/8" GYP. BOARD ON WOOD BLOCKING @ EXISTING RECESS IN WALL. NEW WALL TO BE FLUSH WITH ADJACENT SURFACE - VERIFY IN FIELD EXTENTS.
- PROVIDE NEW WINDOW SILLS @ EXISTING EXTERIOR ALUMINUM WINDOW SYSTEM.
- GYP. BOARD FURRING AROUND EXISTING ROOF DRAIN - VERIFY IN FIELD CLEAN OUTS. PROVIDE PANELS AS REQUIRED.
- NEW ALUMINUM WINDOW TO MATCH EXISTING FINISH. -SEE ELEVATION.
- SECURITY GATES BY OWNER -COORDINATE LOCATIONS W/ OWNER
- OVER HEAD COILING SECURITY GRILLE.
- WALL MOUNTED COAT HOOKS (CH-1). SPACE 12" O.C. QUANTITY NOTED ON PLAN, MOUNT 48" A.F.F. PROVIDE BLOCKING IN WALLS.
- BLINDS ON EXTERIOR WINDOW; MOUNT TO B.O. OPENING RETURN @ WINDOW HEAD. WIDTH TO BE FROM MULLION TO MULLION TYPICAL.
- PROVIDE WINDOW BLINDS ON DOOR.
- GC TO VERIFY DIMENSION PRIOR TO CONSTRUCTION. NOTIFY ARCHITECT OF ANY DISCREPANCIES.

GENERAL NOTES

- GENERAL CONTRACTOR TO COORDINATE CONSTRUCTION LIMITS TO FIT WITHIN THE PHASING SCHEDULE. PROVIDE TEMPORARY WALLS TO CONTROL NOISE AND DUST AS NEEDED, COORDINATE WITH OWNER PRIOR TO INSTALLATION.
- NOTIFY ARCHITECT IN THE EVENT OF ANY DISCREPANCIES OR IF UNFORESEEN CONDITIONS ARE ENCOUNTERED PRIOR TO PROCEEDING.
- ALL EXISTING WALLS TO BE PATCHED, FILLED & REPAIRED AS REQUIRED TO BRING WALLS UPTO A LEVEL 4 FINISH. EXISTING SURFACES SHALL BE PREPARED TO ACCEPT NEW FINISHES.
- REFER TO DEMOLITION PLANS FOR ADDITIONAL INFORMATION. FOR INTERIOR FINISHES & EQUIPMENT SCHEDULES REFER TO FINISH PLAN ON SHEET A701.
- REFER TO SHEET S101 FOR NEW STRUCTURAL REQUIREMENTS PRIOR TO CONSTRUCTION.
- REFER TO SHEET A701 FOR LOCATIONS OF SPECIALITY EQUIPMENT, PROVIDE BLOCKING IN WALLS AS REQUIRED.
- ALL DIMENSIONS FROM FACE OF FINISHED MATERIAL U.N.O. WHERE CONCRETE SLAB HAS BEEN REMOVED, REPLACE WITH NEW 4" CONCRETE SLAB (T.O. TO MATCH EXISTING ELEVATION) OVER VAPOR RETARDER OVER 6" GRAVEL FILL. OVERLAP EXISTING VAPOR RETARDER V.I.F. - SEE DEMO PLANS



1 FLOOR PLAN PHASE 1 - BRANCH LIBRARY
SCALE: 1/8" = 1'-0"



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FLOOR PLAN
PHASE 1 - BRANCH
LIBRARY

- KEYED NOTES - PHASE 2
1.

GYP. BOARD TO BE INSTALLED IN PHASE 3.
2.

PROVIDE NEW WINDOW SILLS @ EXISTING EXTERIOR ALUMINUM WINDOW SYSTEM.
3.

PANTRY TO BE CONSTRUCTED IN PHASE 3. SEE SHEET A103
4.

PAINT EXISTING BRICK TRIM AROUND WINDOWS TO MATCH WALL.
5.

EXISTING BOOK DROP ON INTERIOR WALL TO BE REMOVED. PROVIDE NEW GYP. BOARD OVER VAPOR RETARDER ON WOOD BLOCKING. FILL VOID IN WALL WITH SPRAY FOAM. EXTERIOR SLOTS TO REMAIN. SEAL DROP OPENING ON OUTSIDE.
6.

EXISTING ALUMINUM ENTRY VESTIBULE DOORS TO REMAIN. - SEE DOOR SCHEDULE FOR NEW HARDWARE.
7.

NEW ALUMINUM WINDOW TO MATCH EXISTING. -SEE ELEVATION.
8.

EXISTING FIRE DEPARTMENT KNOX BOX TO REMAIN & TO BE REUSED.
9.

PROVIDE TEMPORARY WALL TO B.O. STRUCTURE; TO BE REMOVED AT THE END OF PHASE 3.
10.

WALL MOUNTED COAT HOOKS (CH-1). SPACE 12" O.C. QUANTITY NOTED ON PLAN, MOUNT 48" A.F.F. PROVIDE BLOCKING IN WALLS.
11.

BLINDS ON EXTERIOR WINDOW; MOUNT TO B.O. OPENING RETURN @ WINDOW HEAD. ONE PER OPENING.

- GENERAL NOTES
1.

GENERAL CONTRACTOR TO COORDINATE CONSTRUCTION LIMITS TO FIT WITHIN THE PHASING SCHEDULE. PROVIDE TEMPORARY WALLS TO CONTROL NOISE AND DUST AS NEEDED, COORDINATE WITH OWNER PRIOR TO INSTALLATION.
2.

NOTIFY ARCHITECT IN THE EVENT OF ANY DISCREPANCIES OR IF UNFORESEEN CONDITIONS ARE ENCOUNTERED PRIOR TO PROCEEDING.
3.

ALL EXISTING WALLS TO BE PATCHED, FILLED & REPAIRED AS REQUIRED TO BRING WALLS UPTO A LEVEL 4 FINISH.
4.

EXISTING SURFACES SHALL BE PREPARED TO ACCEPT NEW FINISHES.
5.

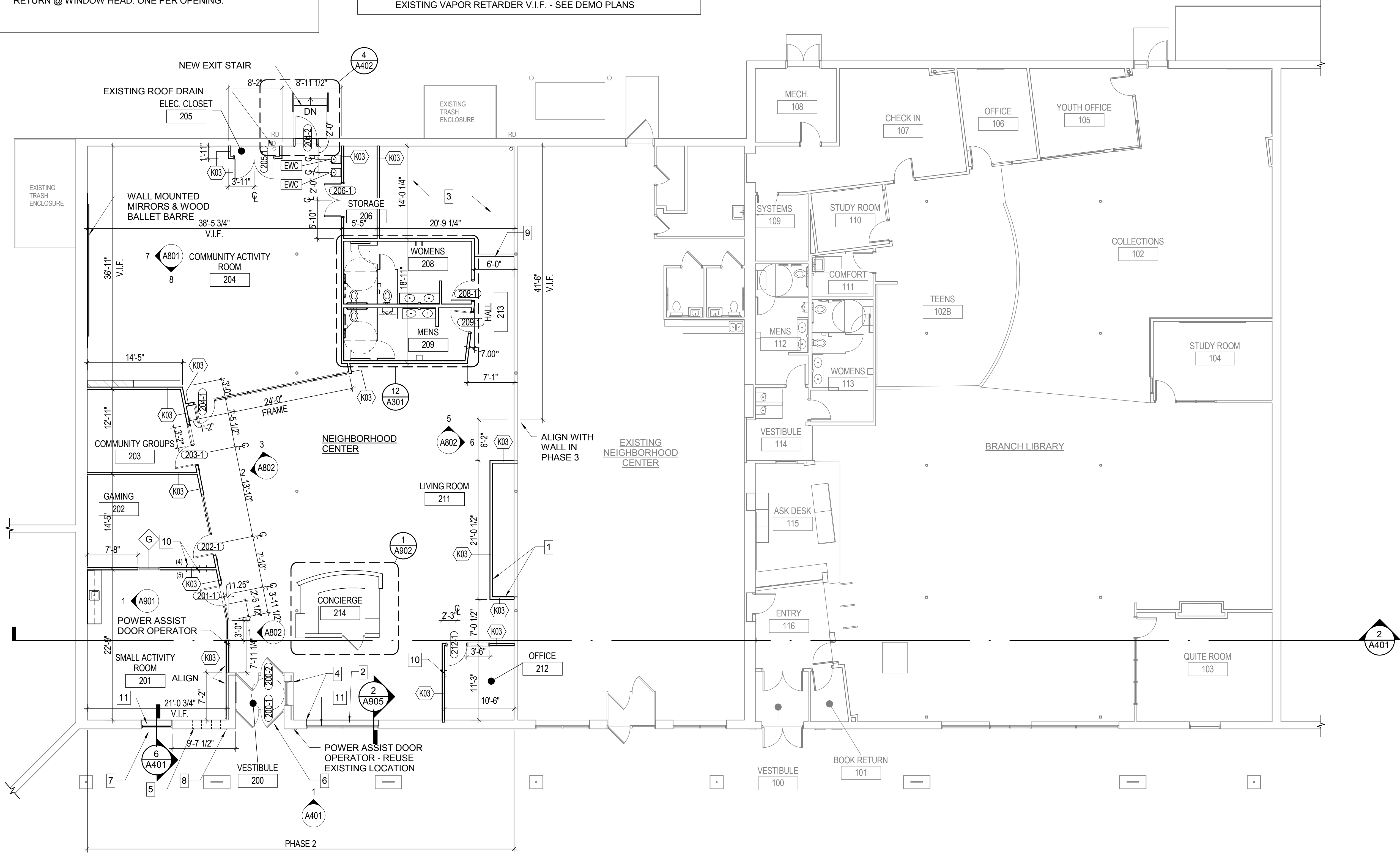
REFER TO DEMOLITION PLANS FOR ADDITIONAL INFORMATION. FOR INTERIOR FINISHES & EQUIPMENT SCHEDULES REFER TO FINISH PLAN ON SHEET A701.
6.

REFER TO SHEET S101 FOR NEW STRUCTURAL REQUIREMENTS PRIOR TO CONSTRUCTION.
7.

REFER TO SHEET A701 FOR LOCATIONS OF SPECIALITY EQUIPMENT, PROVIDE BLOCKING IN WALLS AS REQUIRED.
8.

ALL DIMENSIONS FROM FACE OF FINISHED MATERIAL U.N.O.
9.

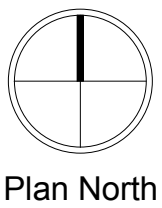
WHERE CONCRETE SLAB HAS BEEN REMOVED, REPLACE WITH NEW 4" CONCRETE SLAB (T.O. TO MATCH EXISTING ELEVATION) OVER VAPOR RETARDER OVER 6" GRAVEL FILL. OVERLAP EXISTING VAPOR RETARDER V.I.F. - SEE DEMO PLANS



1

FLOOR PLAN PHASE 2 - NEIGHBORHOOD CENTER

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



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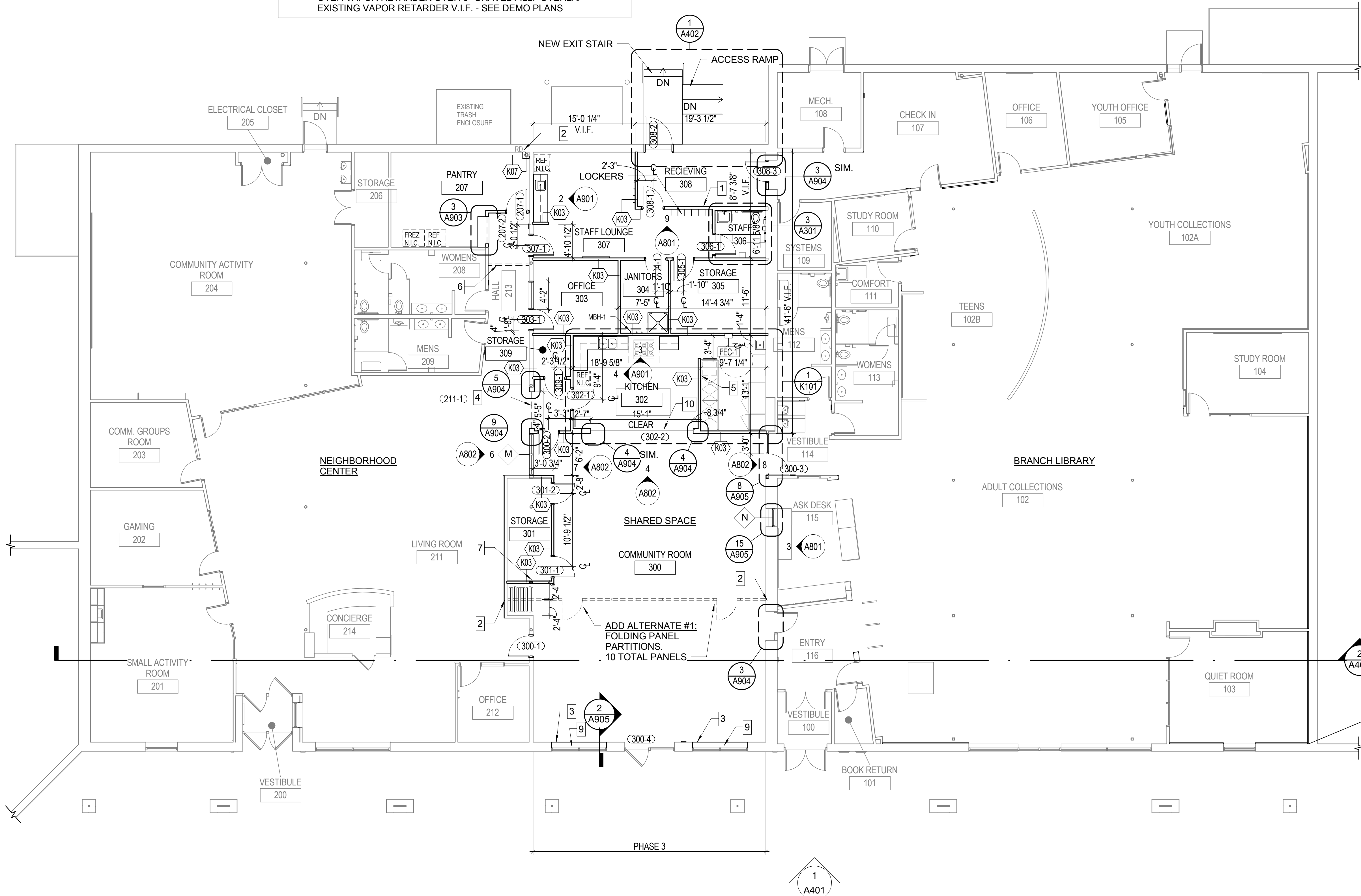
FLOOR PLAN
PHASE 2 -
NEIGHBORHOOD
CENTER

KEYED NOTES - PHASE 3

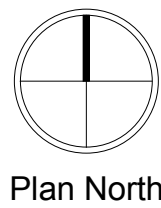
1. PROVIDE BLOCKING IN WALL FOR SHELVING BY OWNER - VERIFY IN FIELD.
2. PROVIDE BLOCKING IN WALL @ MOVABLE SOLID WALL TERMINATION.
3. PROVIDE NEW SOLID SURFACE SILLS @ WINDOWS.
4. OVERHEAD COILING SECURITY GRILLE.
5. PROVIDE BLOCKING WITH WALL FOR OVERHEAD SHELVING - SEE 1/K101 FOR LAYOUT.
6. TEMPORARY WALL W/ SOUND ATTENTION BATTS. TO BE REMOVED @ END OF PHASE. GENERAL CONTRACTOR TO COORDINATE SCHEDULE.
7. NEW STEEL COLUMN & FOOTING, CENTER IN WALL. SEE S101.
8. OVERHEAD ROLLING DOOR.
9. BLINDS ON EXTERIOR WINDOW; MOUNT TO B.O. OPENING RETURN @ WINDOW HEAD. ONE PER OPENING.
10. OVERHEAD COILING DOOR

GENERAL NOTES

1. GENERAL CONTRACTOR TO COORDINATE CONSTRUCTION LIMITS TO FIT WITHIN THE PHASING SCHEDULE. PROVIDE TEMPORARY WALLS TO CONTROL NOISE AND DUST AS NEEDED, COORDINATE WITH OWNER PRIOR TO INSTALLATION.
2. NOTIFY ARCHITECT IN THE EVENT OF ANY DISCREPANCIES OR IF UNFORESEEN CONDITIONS ARE ENCOUNTERED PRIOR TO PROCEEDING.
3. ALL EXISTING WALLS TO BE PATCHED, FILLED & REPAIRED AS REQUIRED TO BRING WALLS UP TO A LEVEL 4 FINISH.
4. EXISTING SURFACES SHALL BE PREPARED TO ACCEPT NEW FINISHES.
5. REFER TO DEMOLITION PLANS FOR ADDITIONAL INFORMATION.
6. FOR INTERIOR FINISHES & EQUIPMENT SCHEDULES REFER TO FINISH PLAN ON SHEET A701.
7. REFER TO SHEET S101 FOR NEW STRUCTURAL REQUIREMENTS PRIOR TO CONSTRUCTION.
8. REFER TO SHEET A701 FOR LOCATIONS OF SPECIALITY EQUIPMENT, PROVIDE BLOCKING IN WALLS AS REQUIRED.
9. ALL DIMENSIONS FROM FACE OF FINISHED MATERIAL U.N.O.
10. WHERE CONCRETE SLAB HAS BEEN REMOVED, REPLACE WITH NEW 4" CONCRETE SLAB (T.O. TO MATCH EXISTING ELEVATION) OVER VAPOR RETARDER OVER 6" GRAVEL FILL. OVERLAP EXISTING VAPOR RETARDER V.I.F. - SEE DEMO PLANS



1 FLOOR PLAN PHASE 3 - SHARED SPACE
SCALE: 1/8" = 1'-0"



Meadowridge Branch Library
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Center

Madison, Wisconsin

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FLOOR PLAN
PHASE 3 - SHARED
SPACE

Meadowridge Branch Library
& Meadowood Neighborhood
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Madison, Wisconsin

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Madison, WI 53703-3342

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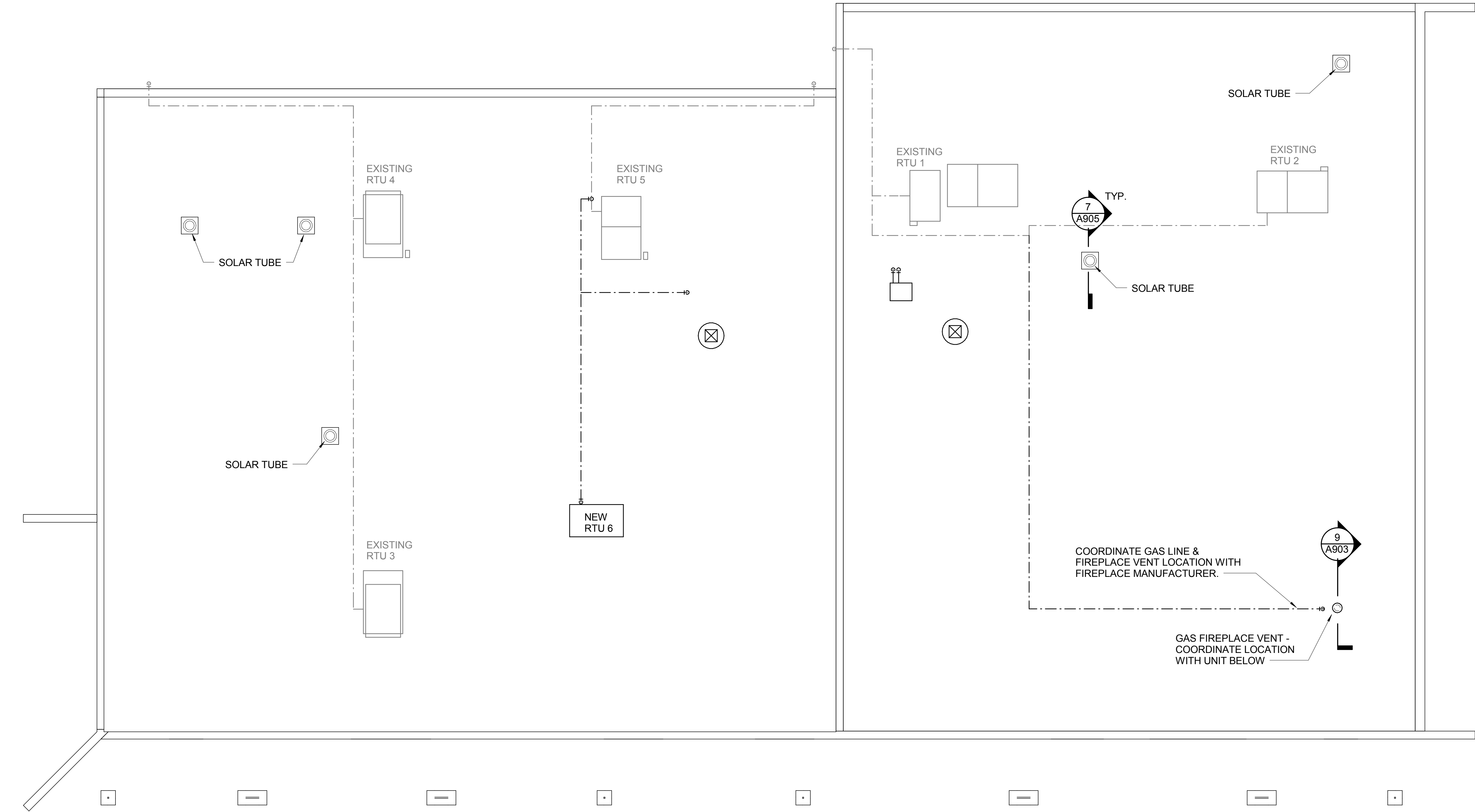
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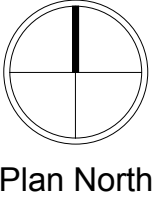
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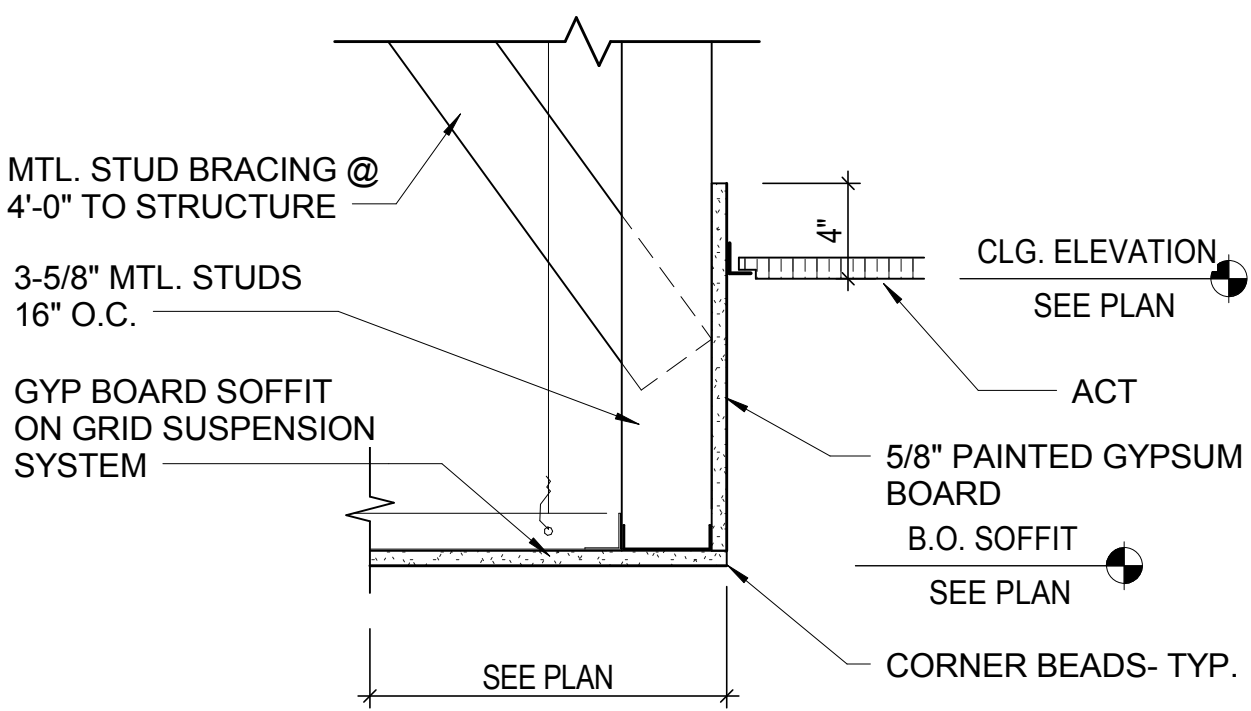
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ROOF PLAN



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





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

REFLECTED CEILING NOTES

1. SOLAR TUBE - COORDINATE LOCATION WITH CEILING GRID LAYOUT AND TRUSS SPACING PRIOR TO INSTALLATION. VERIFY ROOF PENETRATION.
2. 2' X 2' ACCESS PANEL - PAINT TO MATCH CEILING COLOR.
3. OVERHEAD COILING SECURITY GRILLE MOUNTED ABOVE CEILING.
4. CEILING GRID TO CONTINUE IN PHASE 3. PROVIDE TYPICAL GRID SPACING SO PATTERN IS NOT INTERRUPTED AFTER COMPLETION.
5. CEILING MOUNTED DROP DOWN VIDEO SCREEN BY OWNER. VERIFY SIZE & LOCATION PRIOR TO CEILING INSTALLATION.
6. OVERHEAD COILING DOOR MOUNTED ABOVE CEILING.
7. PAINT VERTICAL FACE TO MATCH NOTED SOFFIT COLOR.
8. ALIGN SOFFIT FACE WITH EDGE OF WALL.
9. LOCATION FOR ACCESS PANEL TO MECHANICAL UNITS ABOVE CEILING TILE - SEE DETAIL. COORDINATE WITH MEP DRAWINGS AND IN FIELD FOR LOCATION AND SIZE.
10. SEE PHASE 3 FOR ELEVATION.



1 REFLECTED CEILING PLAN - PHASE 1
SCALE: 1/8" = 1'-0"

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Center

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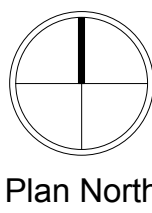
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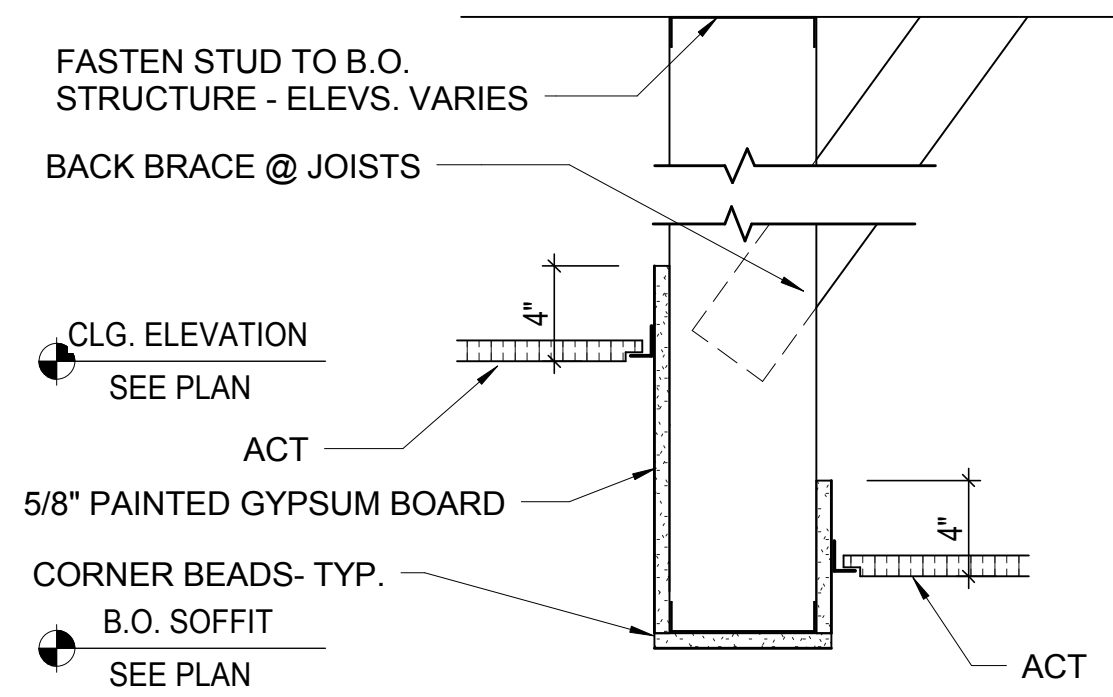
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REFLECTED
CEILING PLAN
PHASE 1 - BRANCH
LIBRARY

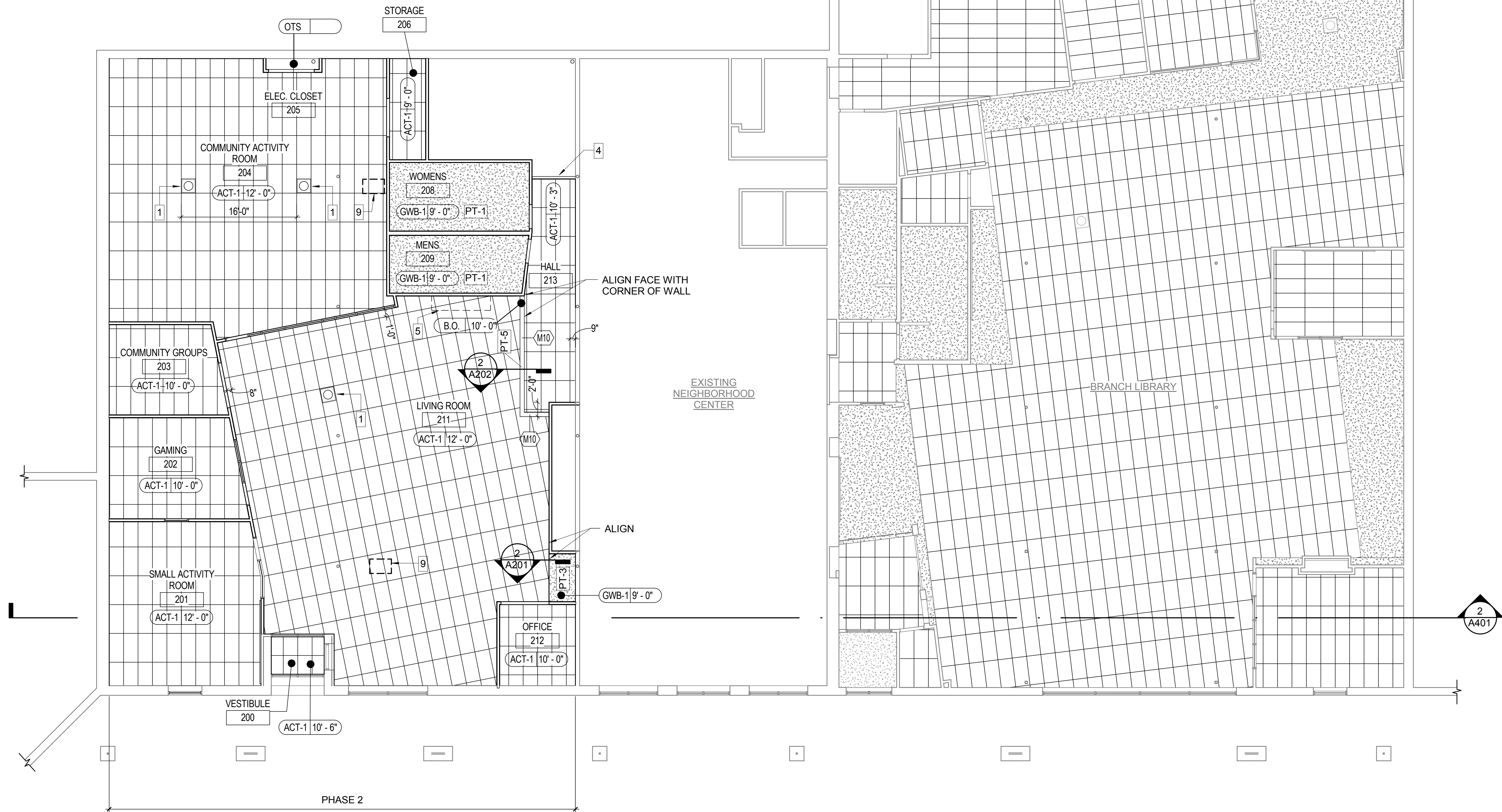


A201



2 DROPPED HEADER DETAIL

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



1 REFLECTED CEILING PLAN - PHASE 2

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



REFLECTED CEILING NOTES

1. SOLAR TUBE - COORDINATE LOCATION WITH CEILING GRID LAYOUT AND TRUSS SPACING PRIOR TO INSTALLATION. VERIFY ROOF PENETRATION.
2. 2' X 2' ACCESS PANEL - PAINT TO MATCH CEILING COLOR.
3. OVERHEAD COILING SECURITY GRILLE MOUNTED ABOVE CEILING.
4. CEILING GRID TO CONTINUE IN PHASE 3. PROVIDE TYPICAL GRID SPACING SO PATTERN IS NOT INTERRUPTED AFTER COMPLETION.
5. CEILING MOUNTED DROP DOWN VIDEO SCREEN BY OWNER. VERIFY SIZE & LOCATION PRIOR TO CEILING INSTALLATION.
6. OVERHEAD COILING DOOR MOUNTED ABOVE CEILING.
7. PAINT VERTICAL FACE TO MATCH NOTED SOFFIT COLOR.
8. ALIGN SOFFIT FACE WITH EDGE OF WALL.
9. LOCATION FOR ACCESS PANEL TO MECHANICAL UNITS ABOVE CEILING TILE - SEE DETAIL. COORDINATE WITH MEP DRAWINGS AND IN FIELD FOR LOCATION AND SIZE.
10. SEE PHASE 3 FOR ELEVATION.

Meadowridge Branch Library & Meadowood Neighborhood Center

Madison, Wisconsin

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REFLECTED CEILING PLAN PHASE 2 - NEIGHBORHOOD CENTER

A202

REFLECTED CEILING NOTES

1. SOLAR TUBE - COORDINATE LOCATION WITH CEILING GRID LAYOUT AND TRUSS SPACING PRIOR TO INSTALLATION. VERIFY ROOF PENETRATION.
2. 2' X 2' ACCESS PANEL - PAINT TO MATCH CEILING COLOR.
3. OVERHEAD COILING SECURITY GRILLE MOUNTED ABOVE CEILING.
4. CEILING GRID TO CONTINUE IN PHASE 3. PROVIDE TYPICAL GRID SPACING SO PATTERN IS NOT INTERRUPTED AFTER COMPLETION.
5. CEILING MOUNTED DROP DOWN VIDEO SCREEN BY OWNER. VERIFY SIZE & LOCATION PRIOR TO CEILING INSTALLATION.
6. OVERHEAD COILING DOOR MOUNTED ABOVE CEILING.
7. PAINT VERTICAL FACE TO MATCH NOTED SOFFIT COLOR.
8. ALIGN SOFFIT FACE WITH EDGE OF WALL.
9. LOCATION FOR ACCESS PANEL TO MECHANICAL UNITS ABOVE CEILING TILE - SEE DETAIL.
10. COORDINATE WITH MEP DRAWINGS AND IN FIELD FOR LOCATION AND SIZE.

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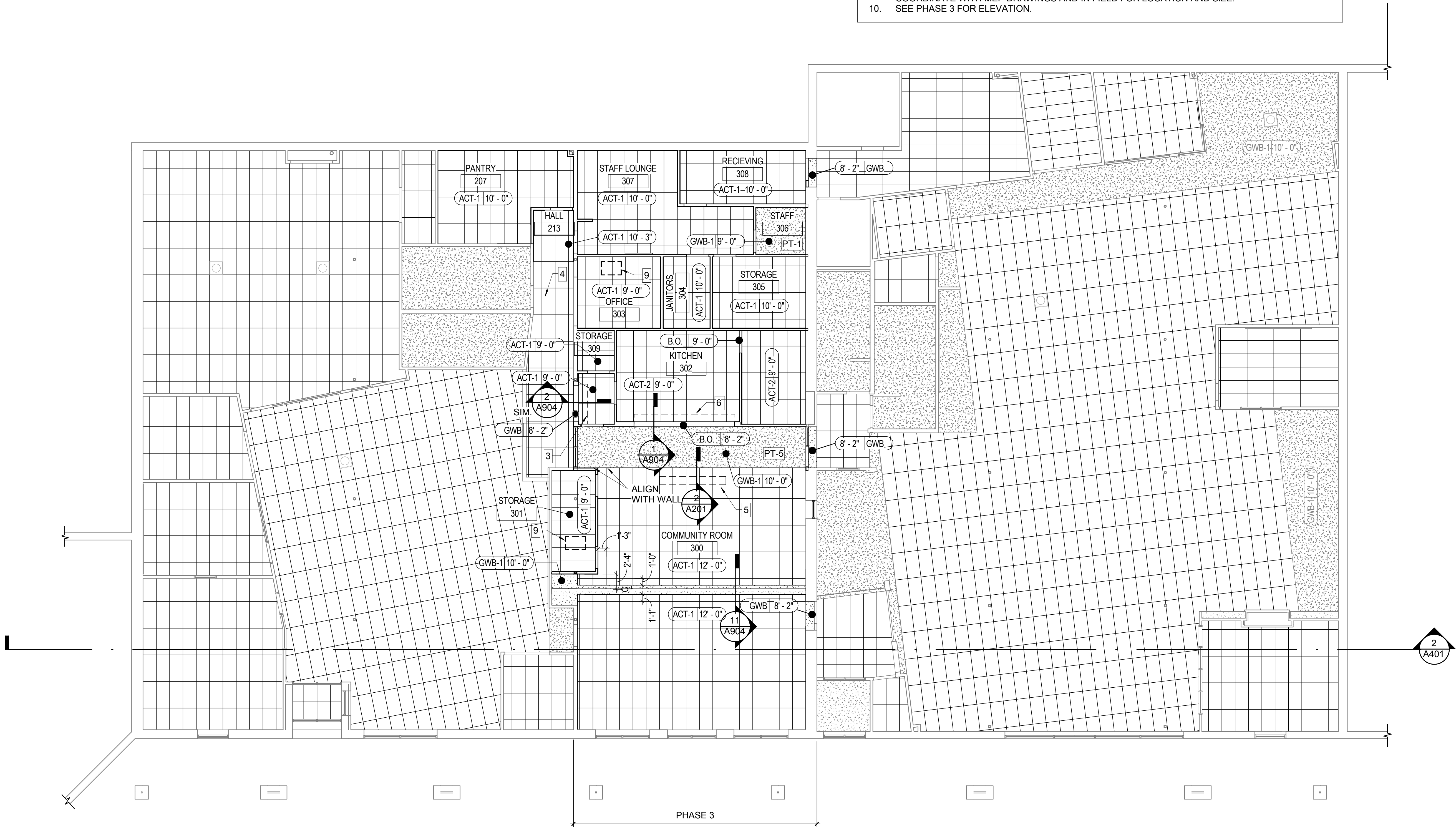
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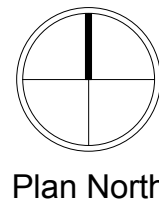
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REFLECTED
CEILING PLAN
PHASE 3 - SHARED
SPACE



1 REFLECTED CEILING PLAN - PHASE 3
SCALE: 1/8" = 1'-0"



A203

Madison, Wisconsin

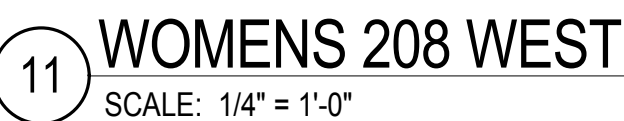
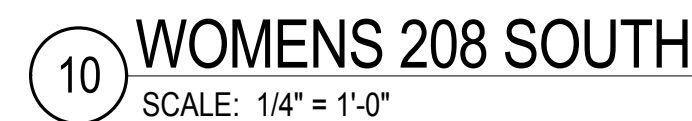
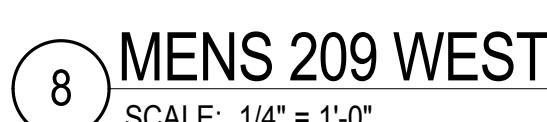
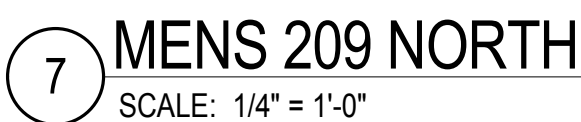
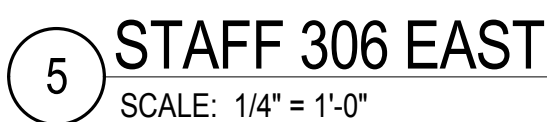
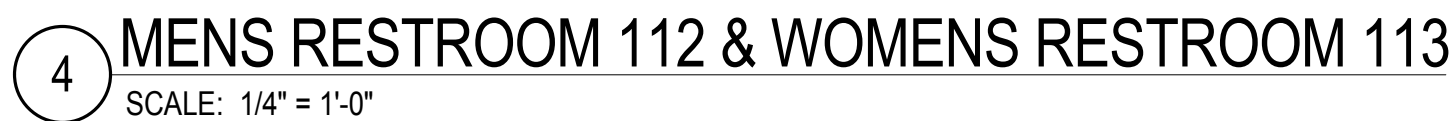
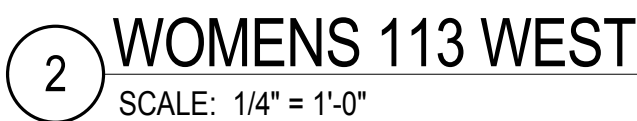
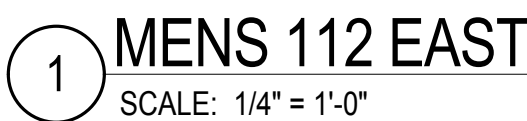
PROJECT NUMBER 132273.00

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NO.	DESCRIPTION	DATE
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A301



1. *OWNER PURCHASED, CONTRACTOR INSTALLED
2. PROVIDE REQUIRED BLOCKING IN WALLS FOR ACCESSORY MOUNTING. PATCH ALL EXISTING WALLS AS REQUIRED.

TOILET ACCESSORY LEGEND	
TAG	Comments
TA-01	GRAB BARS: 42", 36" & 18" (VERTICAL)
TA-02	*SOAP DISPENSER
TA-03	SANITARY NAPKIN DISPOSAL
TA-04	*TOILET TISSUE DISPENSER
TA-05	*PAPER TOWEL DISPENSER
TA-06	CHANGING STATION
TA-07	MIRROR W24" x H48"

Meadowridge Branch Library
& Meadowood Neighborhood
Center

Madison, Wisconsin

Owner:
City of Madison
210 MLK Jr. Blvd
Madison, WI 53703-3342

PROJECT NUMBER 132273.00

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BIDDING	10-28-13

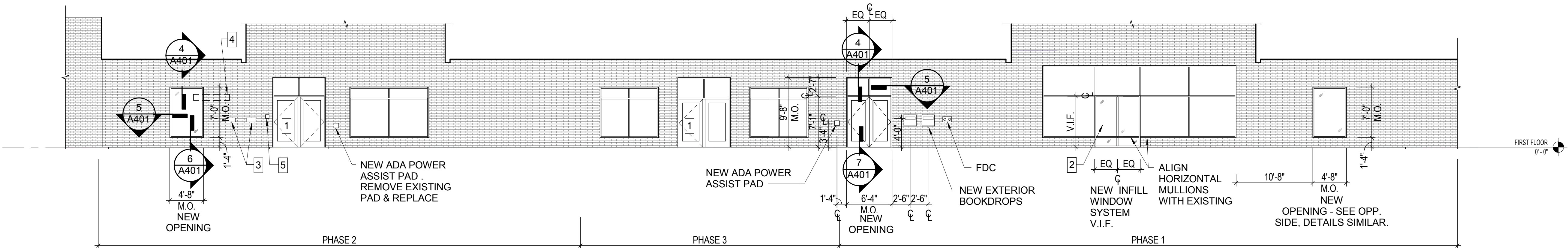
REVISION FOR:	
NO. DESCRIPTION	DATE

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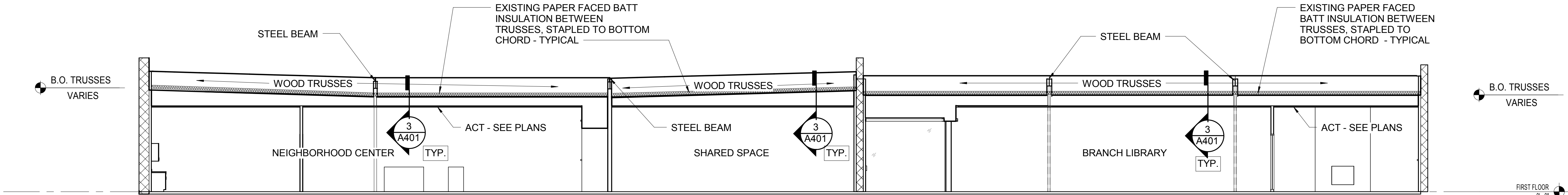
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EXTERIOR
ELEVATIONS &
DETAILS

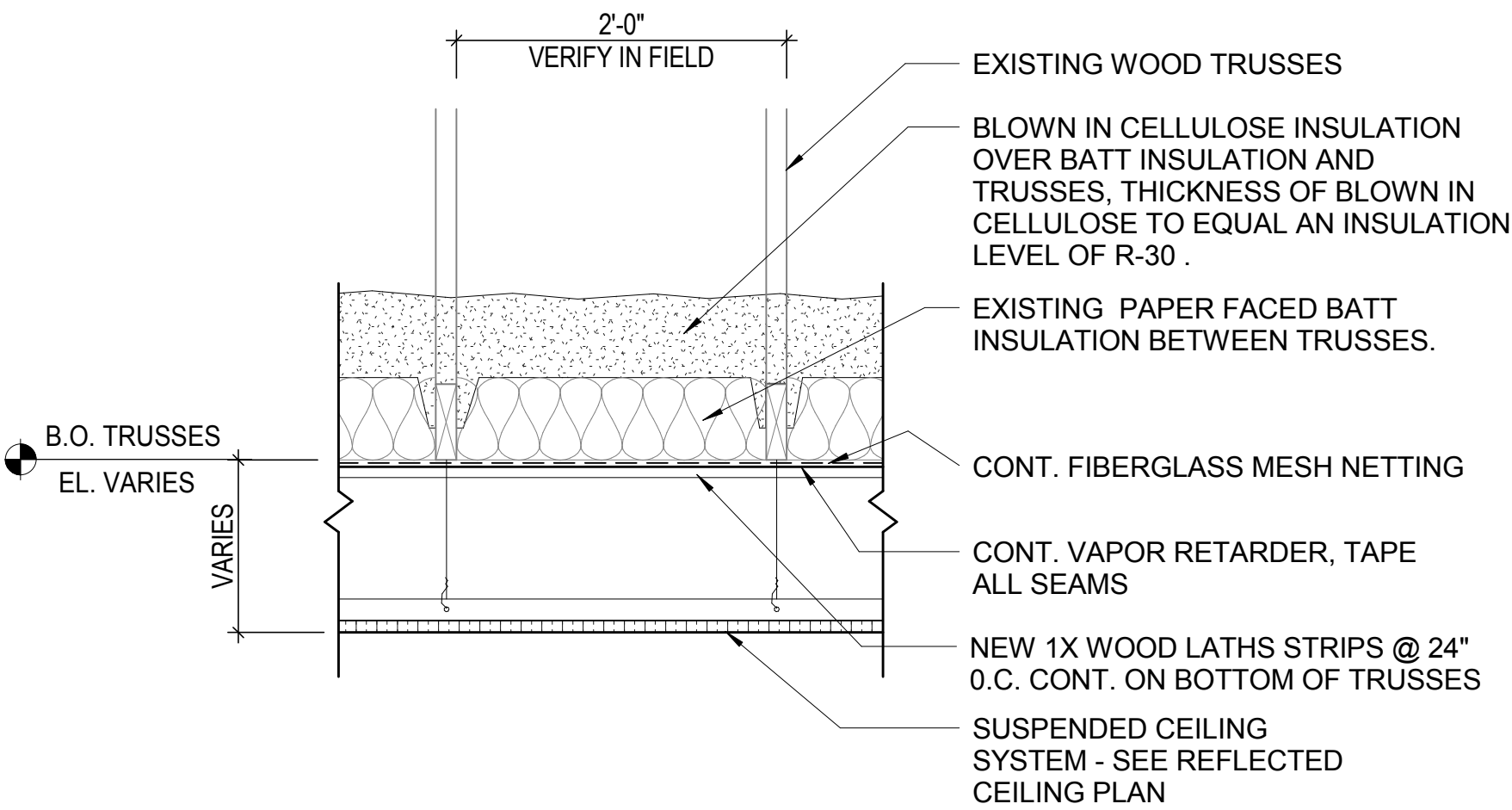
A401



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



2 BUILDING SECTION E-W
SCALE: 1/8" = 1'-0"



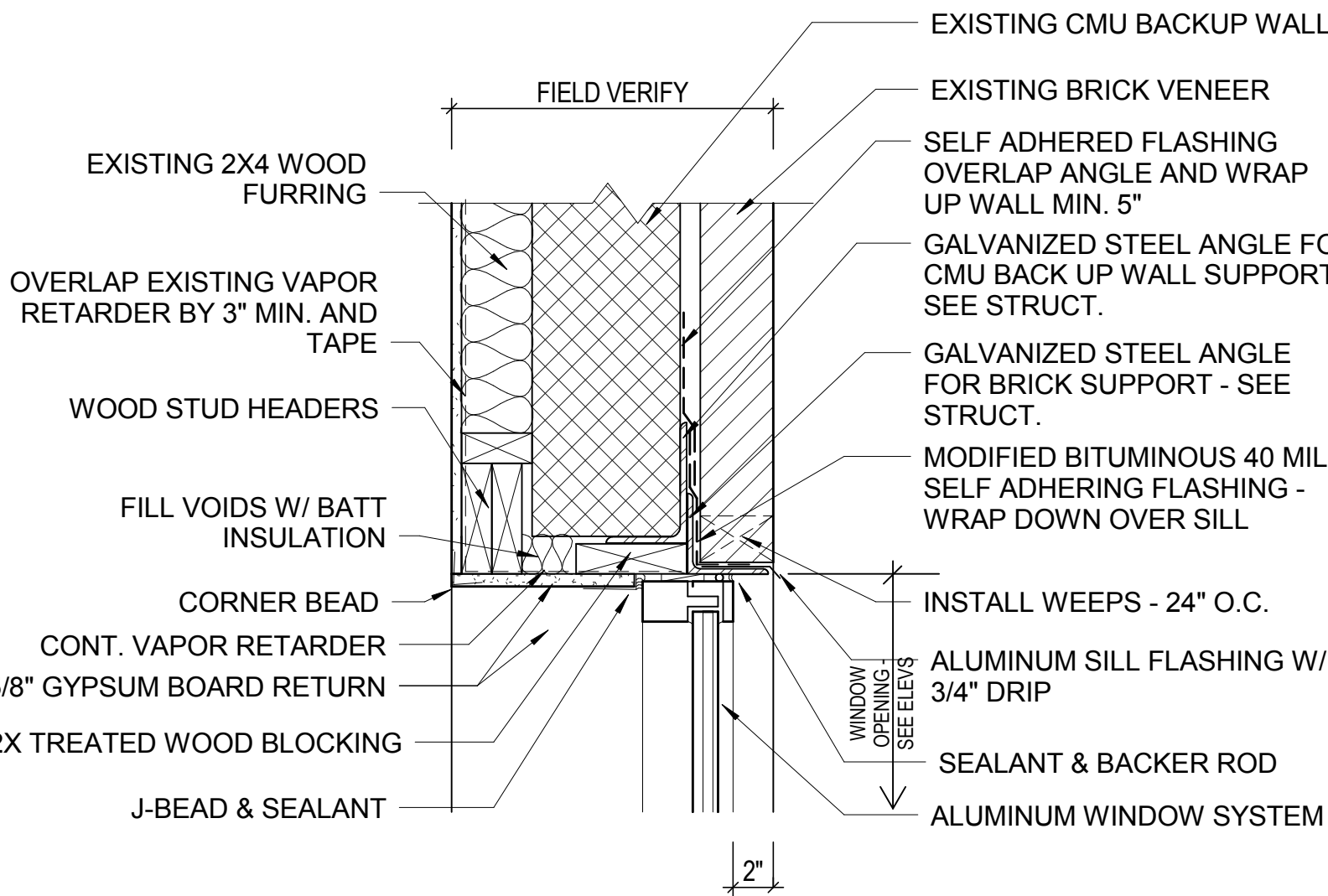
3 CEILING INSULATION DETAIL
SCALE: 1" = 1'-0"

EXTERIOR KEYED NOTES

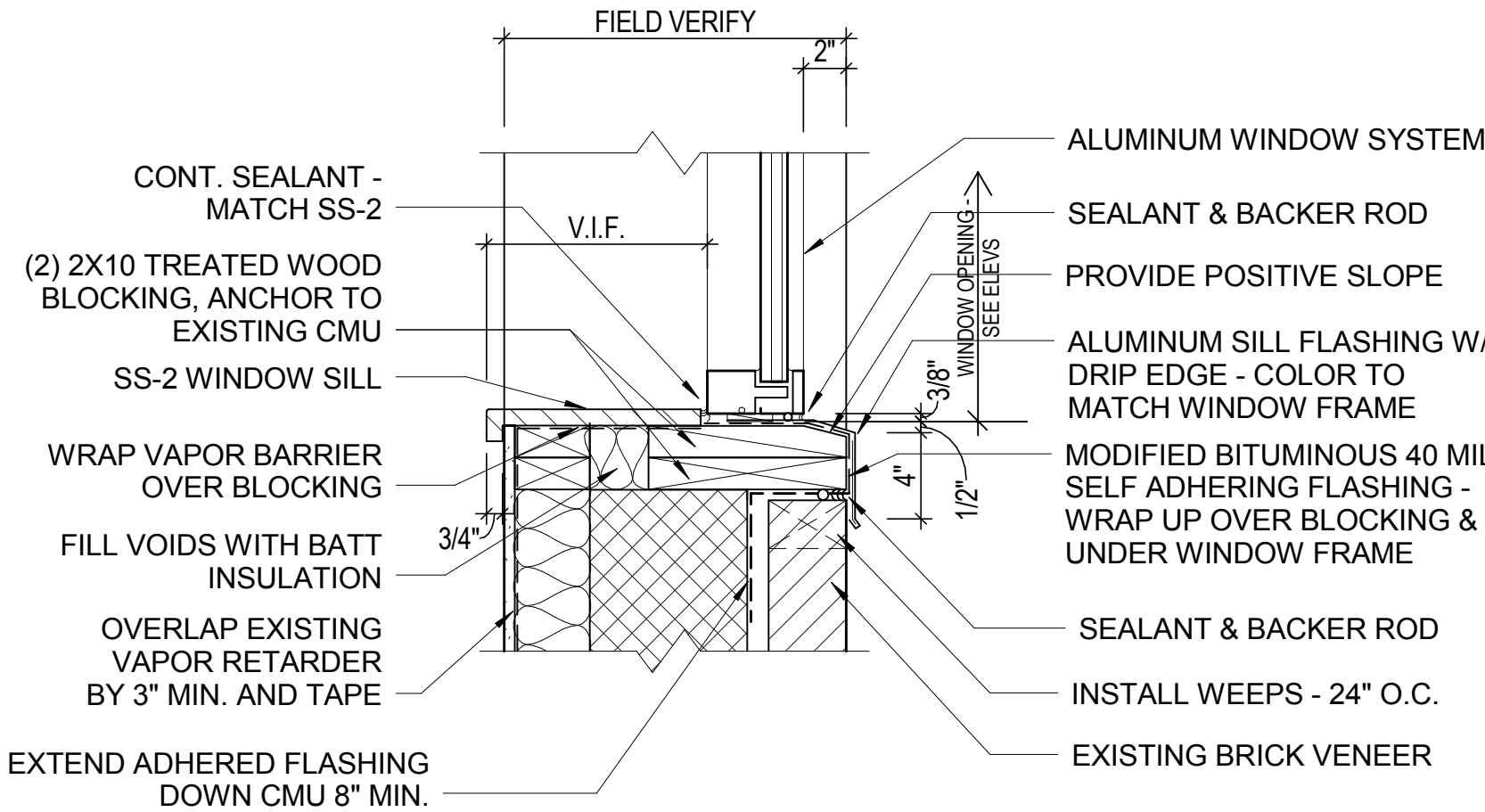
- EXISTING ALUMINUM DOORS TO REMAIN, REMOVE EXISTING HARDWARE AND REPLACE WITH NEW - SEE HARDWARE SCHEDULE.
- REMOVE EXISTING DOOR & TRANSOM FRAMING AND REPLACE WITH NEW MATCHING VERTICAL MULLIONS, HEAD & SILL. INCLUDE SUBSILL @ CONCRETE. EXISTING SIDELITES TO REMAIN IN PLACE, BLOCK SUPPORT AS REQUIRED.
- EXISTING BOOK RETURNS TO BE REMAIN. SEAL EXTERIOR OPENING TO MAKE INACTIVE
- EXISTING LIBRARY SIGN, REMOVE AND SALVAGE FOR OWNER.
- EXISTING FIRE DEPARTMENT KNOX BOX TO REMAIN. VERIFY BOX OPERATION TO HOLD MULTIPLE KEYS. FOR ALL SPACES, REPLACE IF REQUIRED.

EXTERIOR GENERAL NOTES

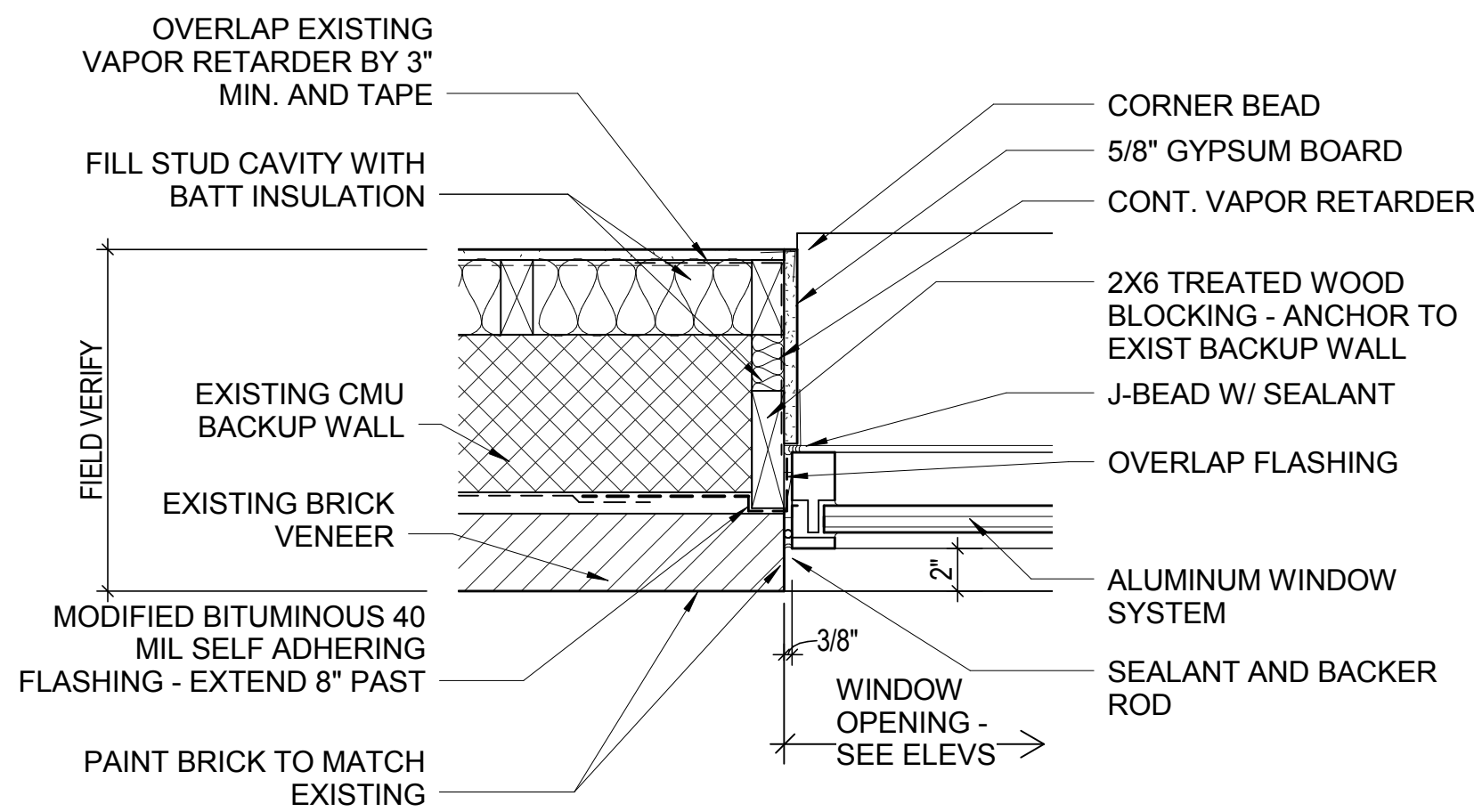
- ALL DISTURBED AREAS OF EXTERIOR FACADE TO BE PAINTED TO MATCH EXISTING. SUBMIT COLOR SAMPLE TO ARCHITECT PRIOR.



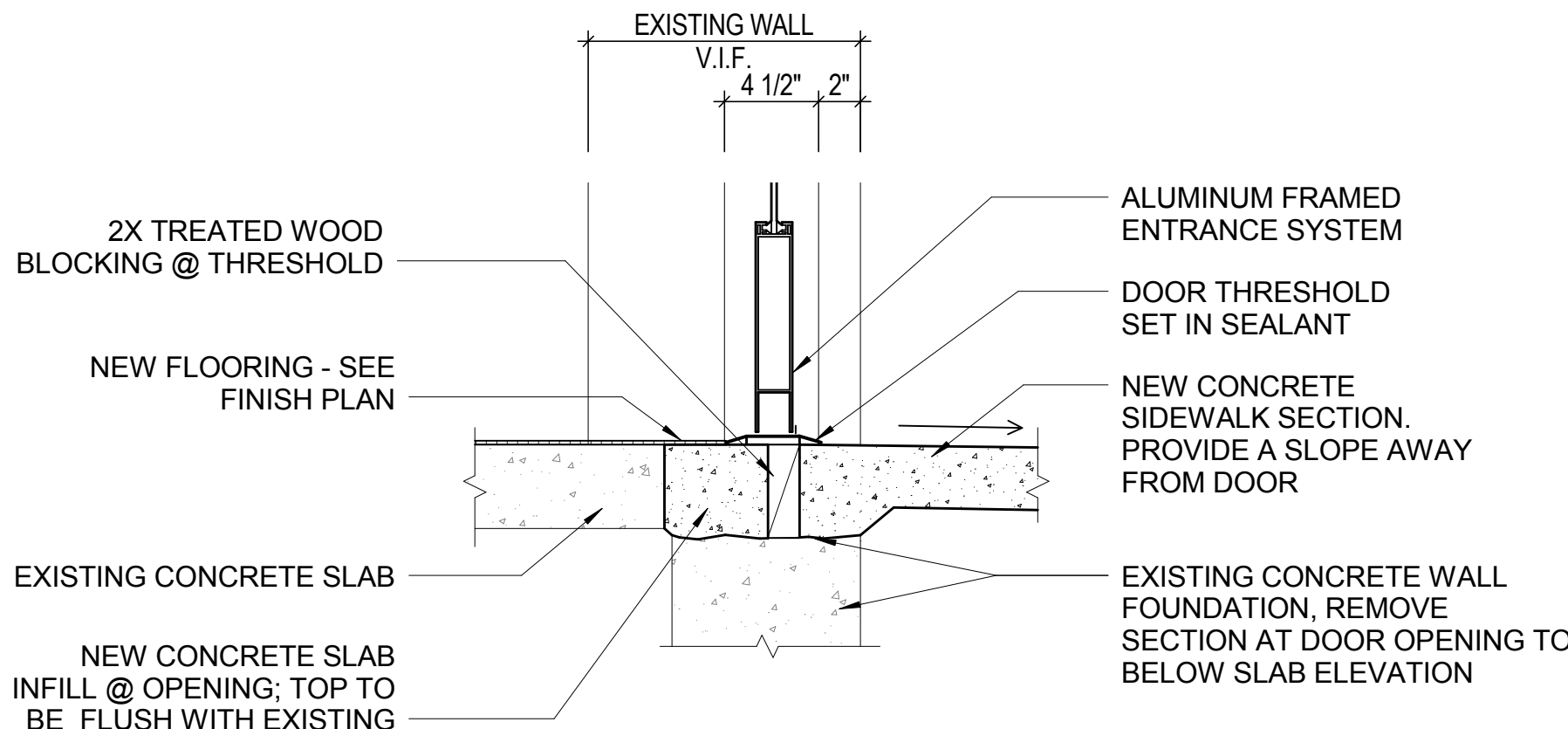
4 EXTERIOR WINDOW HEAD DETAIL
SCALE: 1 1/2" = 1'-0"



6 EXTERIOR WINDOW SILL DETAIL
SCALE: 1 1/2" = 1'-0"



5 EXTERIOR WINDOW JAMB DETAIL
SCALE: 1 1/2" = 1'-0"



7 EXTERIOR DOOR SILL DETAIL
SCALE: 1 1/2" = 1'-0"



Madison, Wisconsin

PROJECT NUMBER	132273.00
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ISSUED FOR:
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REVISION FOR:

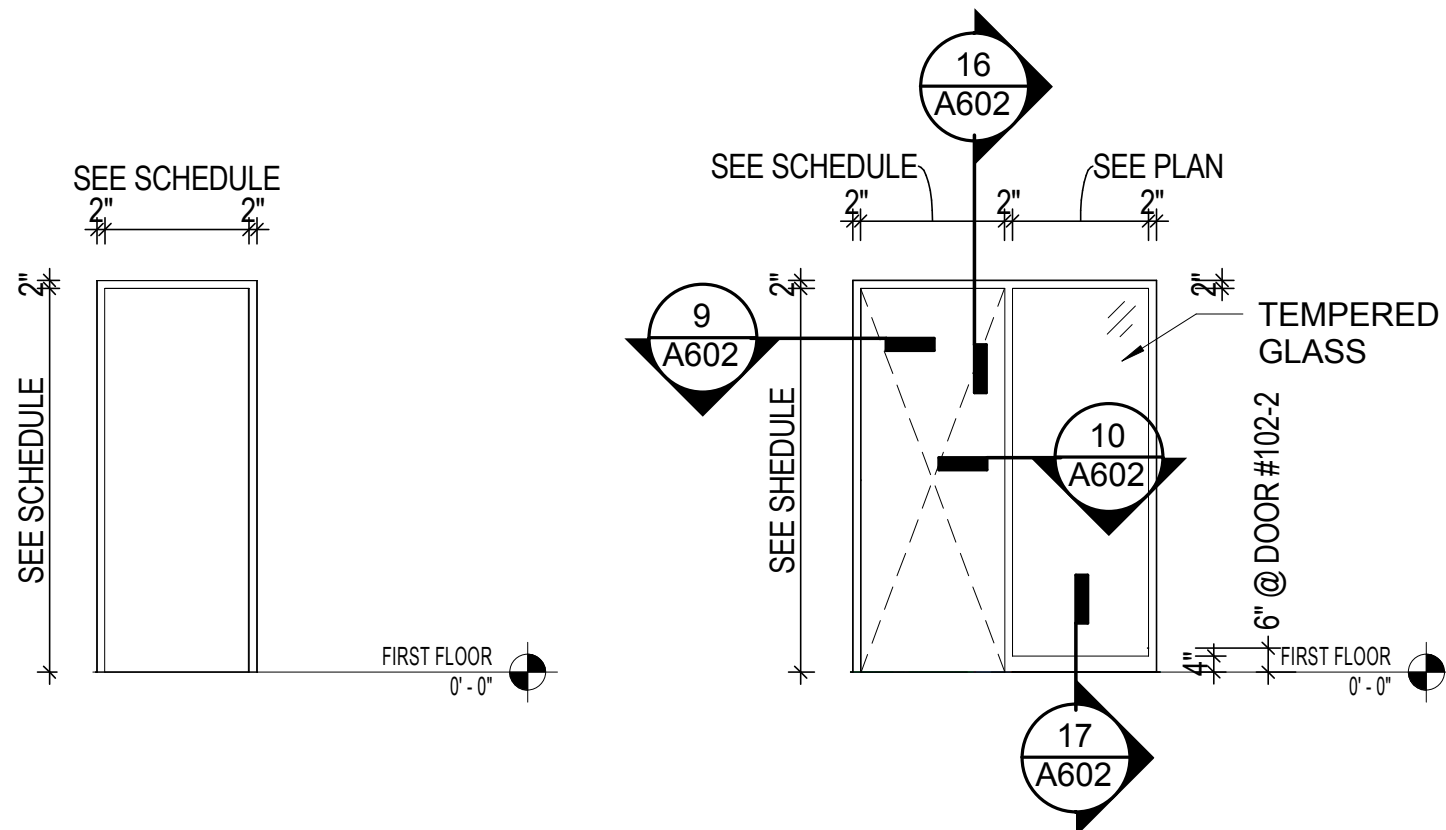
NO.	DESCRIPTION	DATE
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1. VERIFY IN FIELD ALL EXISTING ELEVATIONS PRIOR TO CONSTRUCTION. NOTIFY ARCHITECT OF ANY DISCREPANCIES.

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A402



1 HM FRAME TYPE A
SCALE: 1/4" = 1'-0"

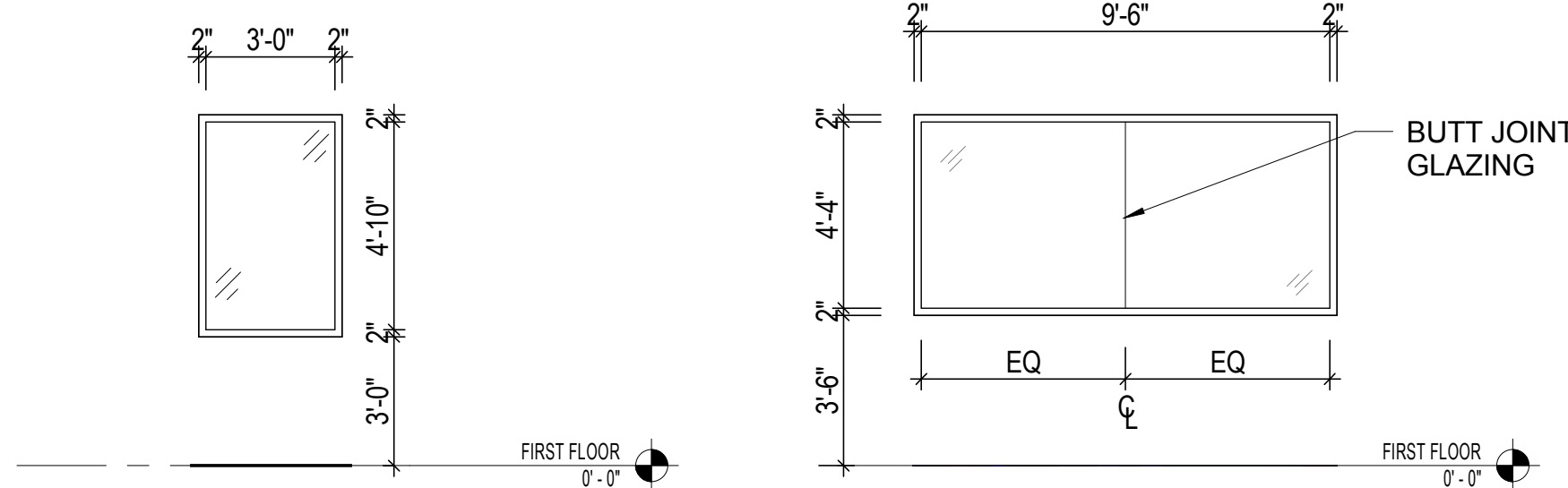
2 HM FRAME TYPE B
SCALE: 1/4" = 1'-0"

3 HM FRAME TYPE C
SCALE: 1/4" = 1'-0"

4 HM FRAME TYPE D
SCALE: 1/4" = 1'-0"

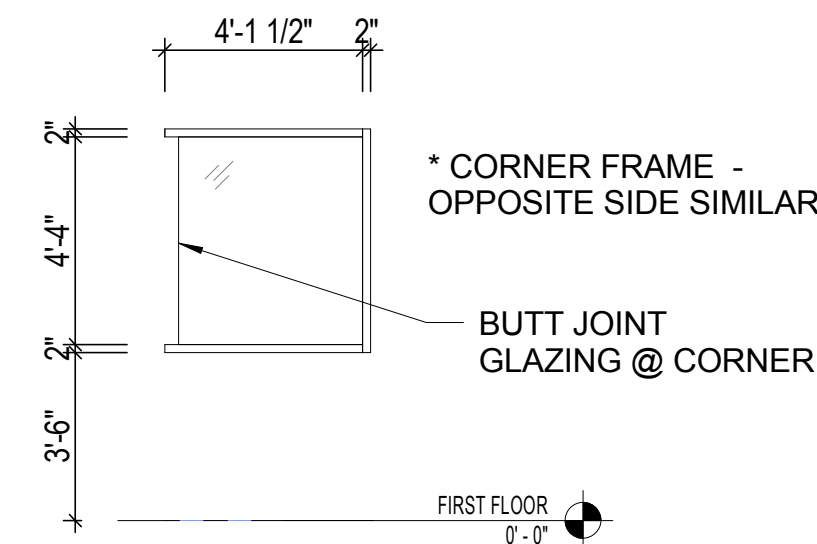
5 HM FRAME TYPE E
SCALE: 1/4" = 1'-0"

6 HM FRAME TYPE F
SCALE: 1/4" = 1'-0"

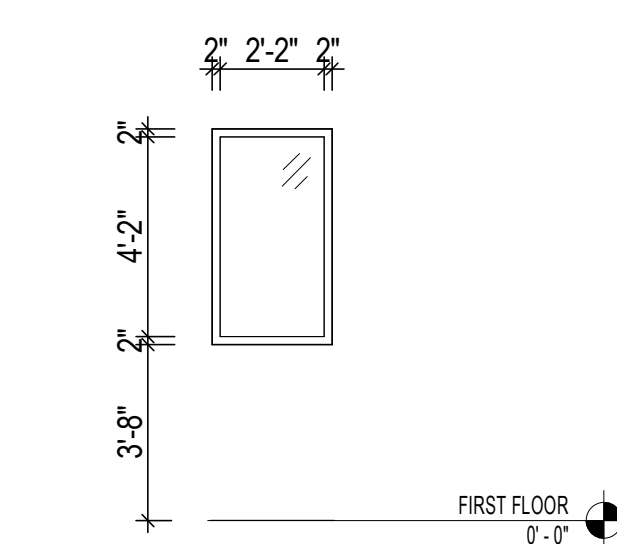


7 HM FRAME TYPE G
SCALE: 1/4" = 1'-0"

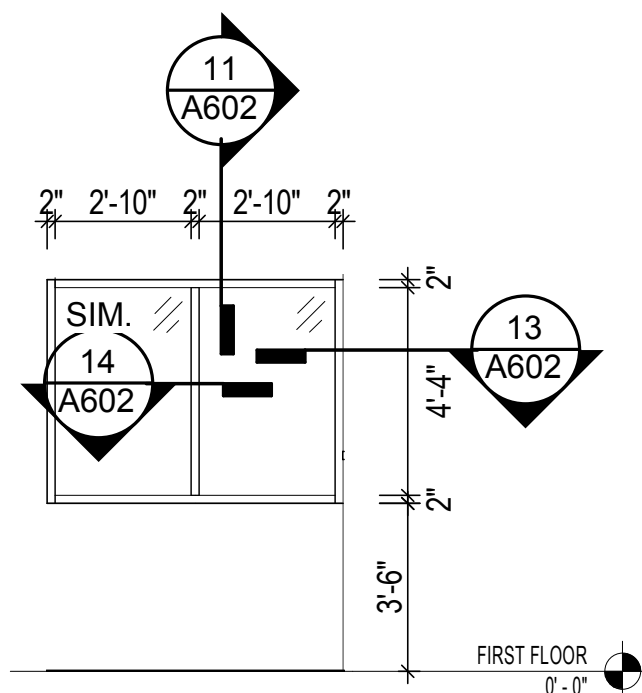
8 HM FRAME TYPE H
SCALE: 1/4" = 1'-0"



9 HM FRAME TYPE I
SCALE: 1/4" = 1'-0"

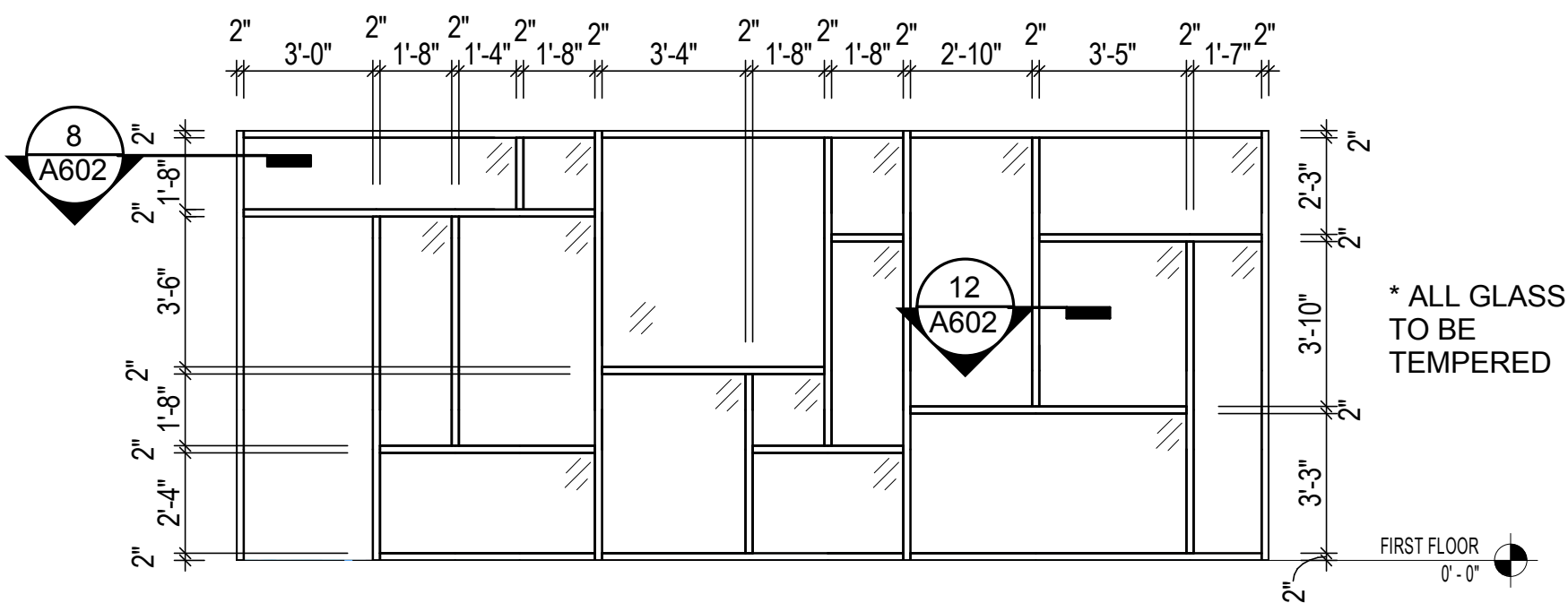


10 HM FRAME TYPE J
SCALE: 1/4" = 1'-0"



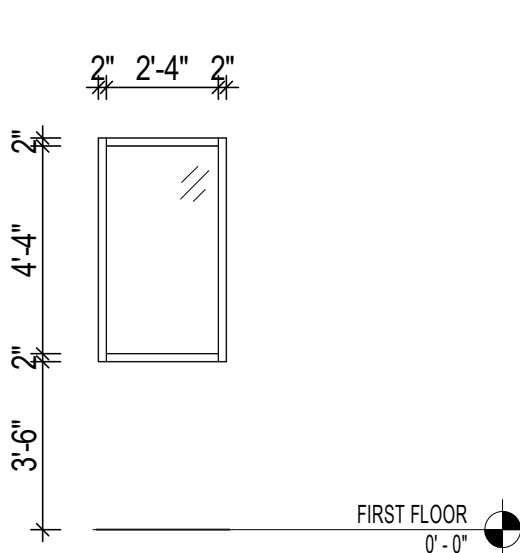
11 NOT USED
SCALE: 1/4" = 1'-0"

13 HM FRAME TYPE M
SCALE: 1/4" = 1'-0"

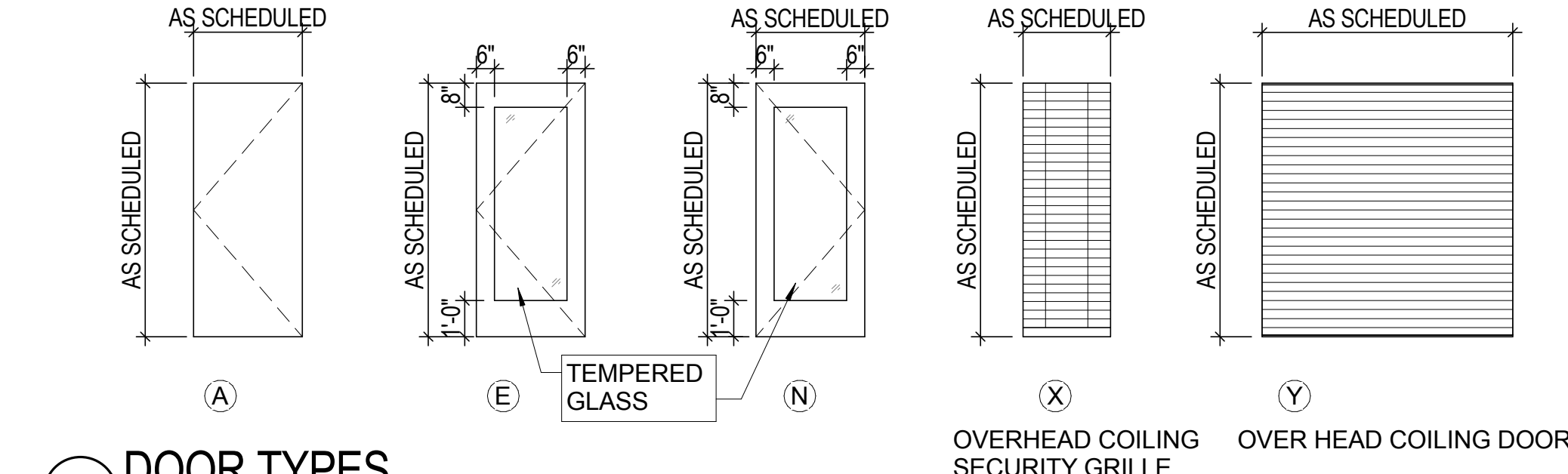


12 HM FRAME TYPE L
SCALE: 1/4" = 1'-0"

14 HM FRAME TYPE N
SCALE: 1/4" = 1'-0"



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



DOOR AND FRAME SCHEDULE																
NUMBER	TYPE	DOOR				FRAME			DETAIL			LABEL	HARDWARE	REMARKS		
		MAT'L	FINISH		WIDTH	HEIGHT	TYPE	MAT'L	FINISH	THRESH	JAMB				HEAD	
FIRST FLOOR																
100-1	N	ALUM.	ANOD.	(2)	6' - 0"	7' - 0"	SEE ELEV.	ALUM.	ANOD.					1A		
100-2	N	ALUM.	ANOD.	(2)	6' - 0"	7' - 0"	SEE ELEV.	ALUM.	ANOD.					2A		
101-1	A	WD			3' - 0"	8' - 0"	A	HM	PT				45 MIN.	3A		
102-1	E				3' - 0"	8' - 0"	A	HM	PT					4A		
102-2	A	INSULATED METAL	PAINT		3' - 0"	7' - 0"	B	HM	PT					5A	VERIFY SIZE IN FIELD - NEW FRAME & DOOR	
102-3	E	WD			3' - 0"	8' - 0"	A	HM	PT					4B		
102-4	X	LATTICE	ALUM.		7' - 8"	10' - 0"	-	ALUM.	ANOD.					(none)		
103-1	E	WD			3' - 0"	8' - 0"	D	HM	PT					6A		
104-1	E	WD			3' - 0"	8' - 0"	C	HM	PT					7A		
105-1	E	WD			3' - 0"	8' - 0"	A	HM	PT					7A		
106-1	E	WD			3' - 0"	8' - 0"	B	HM	PT					7B		
107-1	A	WD			3' - 0"	8' - 0"	A	HM	PT					6B		
108-1	A	HM	PAINT		3' - 0"	8' - 0"	A	HM	PT					3B		
108-2	A	INSULATED METAL	PAINT	(2)	2' - 6"	7' - 0"	EXISTING		PT					14A	*EXISTING FRAME TO REMAIN F.V. DIMENSIONS - SEE NOTE #4	
109-1	A	WD			3' - 0"	8' - 0"	A	HM	PT					3A		
110-1	E	WD			3' - 0"	8' - 0"	E	HM	PT					7B		
111-1	E	WD			3' - 0"	8' - 0"	A	HM	PT					9A	W/ BLINDS ON DOOR	
112-1	A	WD			3' - 0"	8' - 0"	A	HM	PT					10A		
113-1	A	WD			3' - 0"	8' - 0"	A	HM	PT					10A		
114-1	X	LATTICE	ALUM.		5' - 3"	10' - 0"	-	ALUM.	ANOD.					(none)		
200-1	N	EXISTING DOOR TO REMAIN			3' - 4"	7' - 0"	-	-	-					11A	NEW POWER ASSIST OPERATORS, FIELD VERIFY DIMENSIONS	
200-2	N	EXISTING DOOR TO REMAIN			3' - 4"	7' - 0"	-	-	-					11B	NEW POWER ASSIST OPERATORS, FIELD VERIFY DIMENSIONS	
201-1	E	WD			3' - 0"	8' - 0"	F	HM	PT					7A		
202-1	E	WD			3' - 0"	8' - 0"	C	HM	PT					7A		
203-1	E	WD			3' - 0"	8' - 0"	B	HM	PT					7B		
204-1	E	WD			3' - 0"	8' - 0"	SEE ELEV.	HM	PT					4A		
204-2	A	INSULATED METAL	PAINT		3' - 4"	7' - 0"	EXISTING		PT					12A	*EXISTING FRAME TO REMAIN F.V. DIMENSIONS - SEE NOTE #4	
205-1	A	WD		(2)	3' - 0"	8' - 0"	A	HM	PT					3C		
206-1	A	WD		(2)	2' - 6"	8' - 0"	A	HM	PT					3C		
207-1	A	WD			3' - 0"	8' - 0"	A	HM	PT					7B		
207-2	Y	STEEL	PAINT		4' - 0"	4' - 2"	STEEL	STEEL	-					(none)		
208-1	A	WD			3' - 0"	8' - 0"	A	HM	PT					10A		
209-1	A	WD			3' - 0"	8' - 0"	A	HM	PT					10A		
211-1	X	LATTICE	ALUM.		5' - 5"	8' - 2"	-	ALUM.	ANOD.					(none)		
212-1	E	WD			3' - 0"	8' - 0"	B	HM	PT					7A		
300-1	E	WD			3' - 0"	8' - 0"	A	HM	PT					13A		
300-2	E	WD			3' - 0"	8' - 0"	A	HM	PT					6C		
300-3	E	WD			3' - 0"	8' - 0"	B	HM	PT					6C		
300-4	E	EXISTING DOOR TO REMAIN			3' - 4"	6' - 8"	-	-	-					11C		
301-1	A	WD			3' - 0"	8' - 0"	A	HM	PT					7A		
301-2	A	WD			3' - 0"	8' - 0"	A	HM	PT					7A		
302-1	A	WD			3' - 0"	8' - 0"	A	HM	PT					7C		
302-2	Y	STEEL	PAINT		15' - 1"	8' - 2"	STEEL	STEEL	-					(none)		
303-1	E	WD			3' - 0"	8' - 0"	B	HM	PT					7B		
304-1	A	WD			3' - 0"	8' - 0"	A	HM	PT					7B		
305-1	A	WD			3' - 0"	8' - 0"	A	HM	PT					7B		
306-1	A	WD			3' - 0"	8' - 0"	A	HM	PT					9A		
307-1	A	WD			3' - 0"	8' - 0"	A	HM	PT					4C		
308-1	A	WD			3' - 0"	8' - 0"	A	HM	PT					4D		
308-2	A	INSULATED METAL	PAINT		4' - 0"	7' - 0"	EXISTING	HM	PT					12B	*EXISTING FRAME TO REMAIN F.V. DIMENSIONS - SEE NOTE #4	
308-3	A	WD			3' - 0"	8' - 0"	A	HM	PT					8A		
309-1	A	WD			3' - 0"	8' - 0"	A	HM	PT					3D		

GENERAL NOTES - HM FRAMES

- ALL SIDE LITES TO BE TEMPERED GLASS.
- ALL PAINTED HOLLOW METAL FRAMES TO BE PT-2 IN THE LIBRARY AND SHARED SPACE.
- ALL PAINTED HOLLOW METAL FRAMES TO BE PT-8 IN THE NEIGHBORHOOD CENTER.
- EXISTING FRAMES TO BE REPAIRED, PREPARED AND PAINTED.

Meadowridge Branch Library & Meadowood Neighborhood Center

Madison, Wisconsin

Owner:
City of Madison
210 MLK Jr. Blvd
Madison, WI 53703-3342

PROJECT NUMBER 132273.00

SEAL

ISSUED FOR:
BIDDING 10-28-13

REVISION FOR:
NO. DESCRIPTION DATE

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DOOR SCHEDULE & FRAME ELEVATIONS

A601

Meadowridge Branch Library
& Meadowood Neighborhood
Center

Madison, Wisconsin

Owner:
City of Madison
210 MLK Jr. Blvd
Madison, WI 53703-3342

PROJECT NUMBER 132273.00

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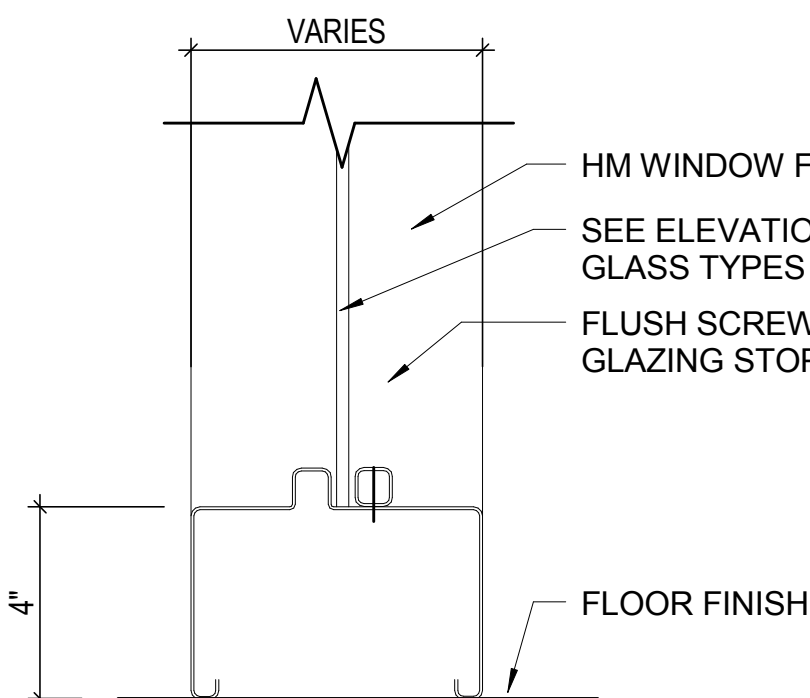
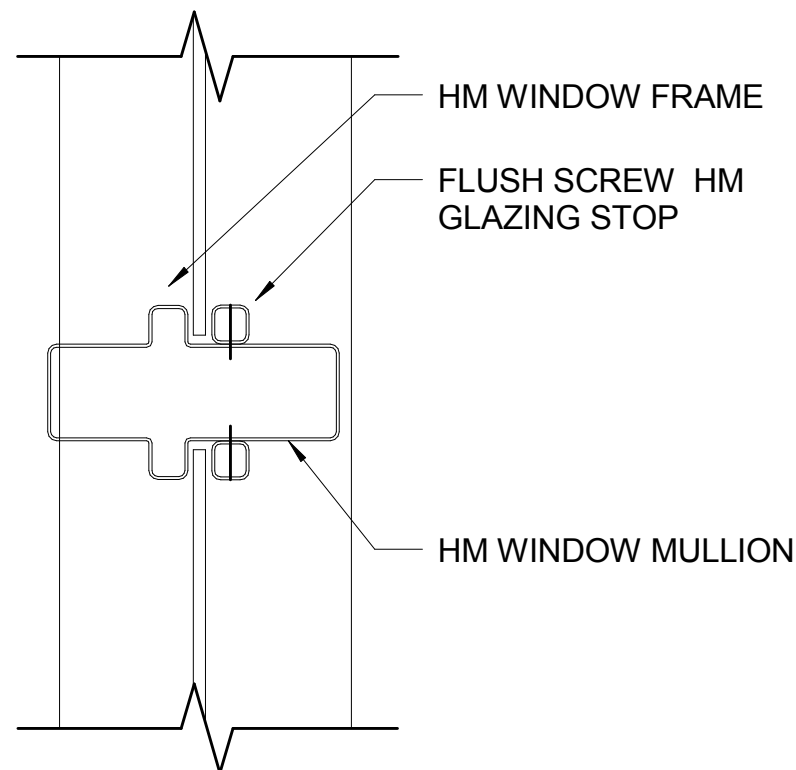
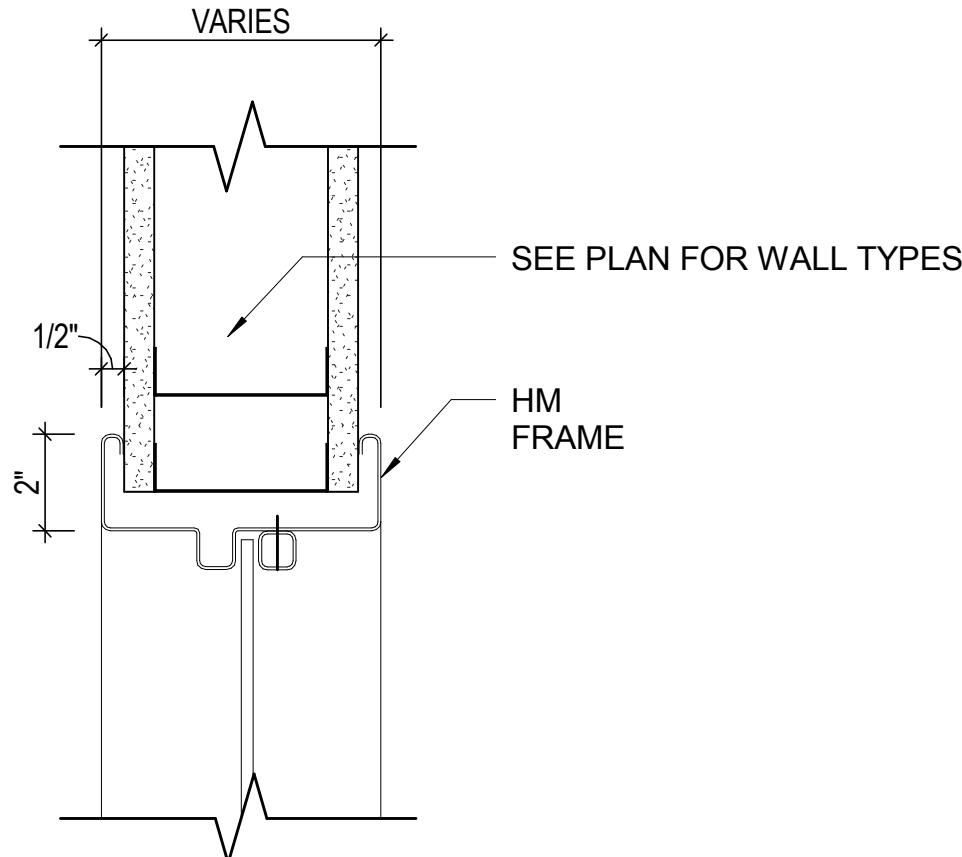
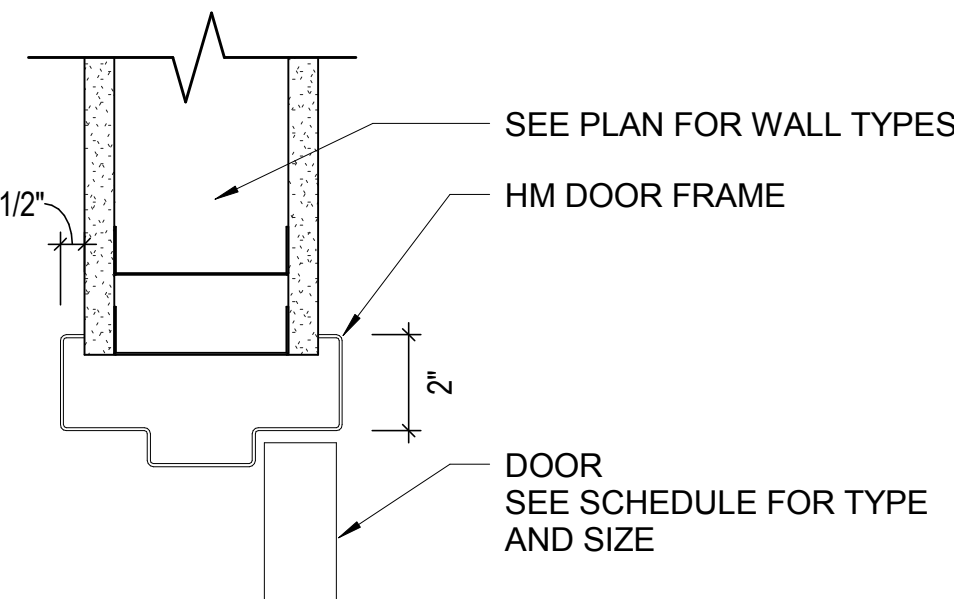
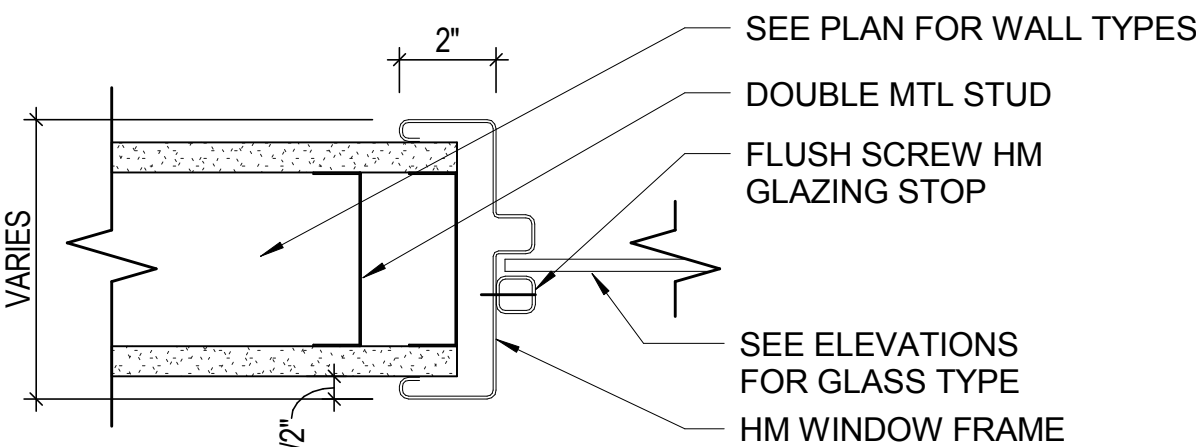
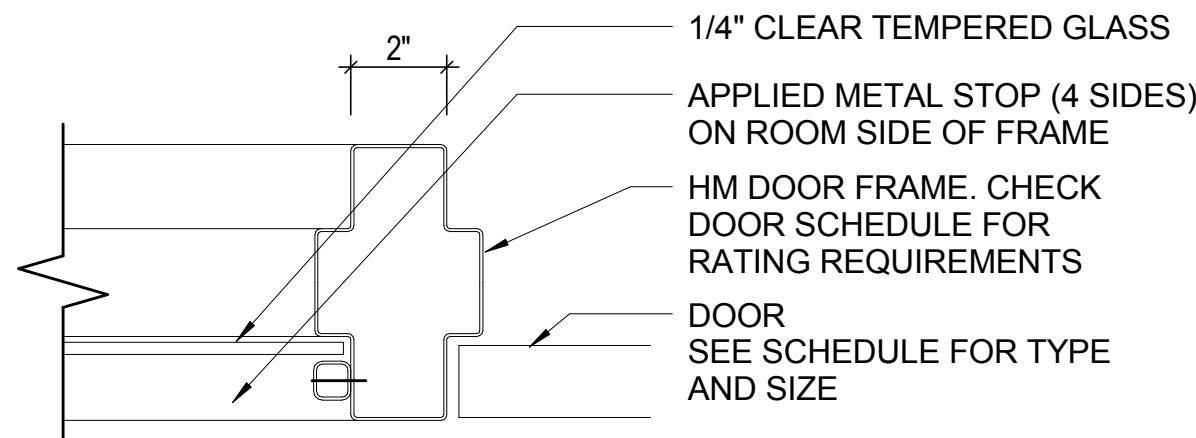
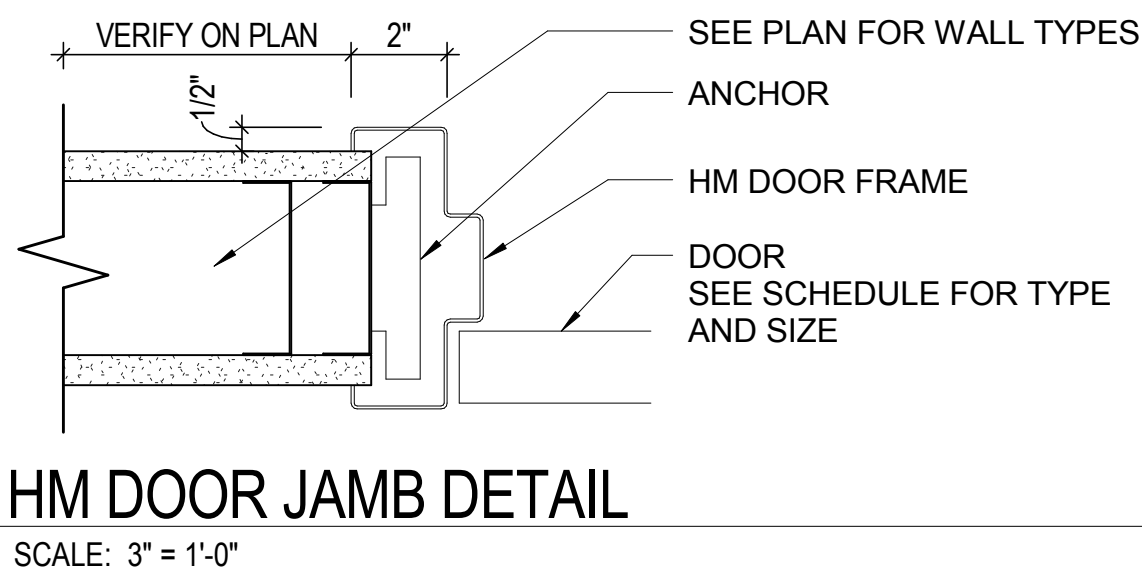
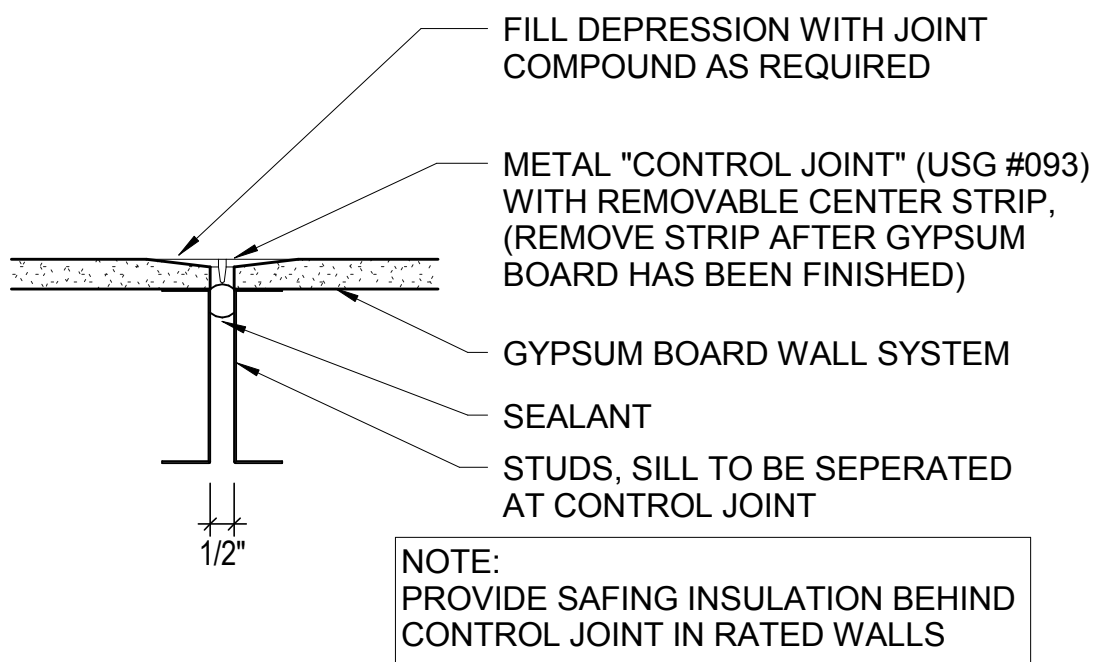
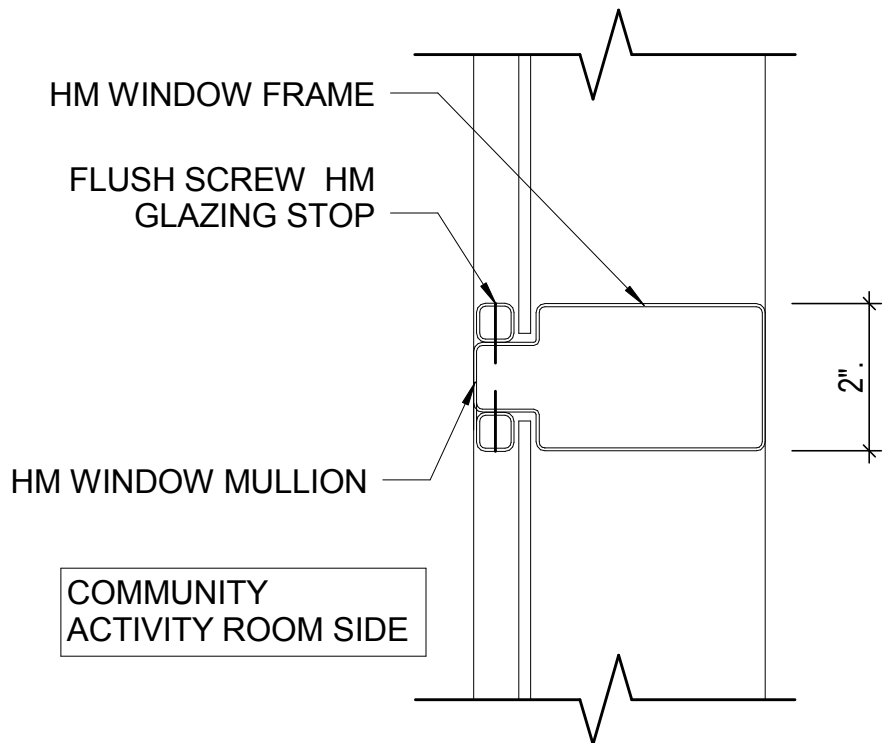
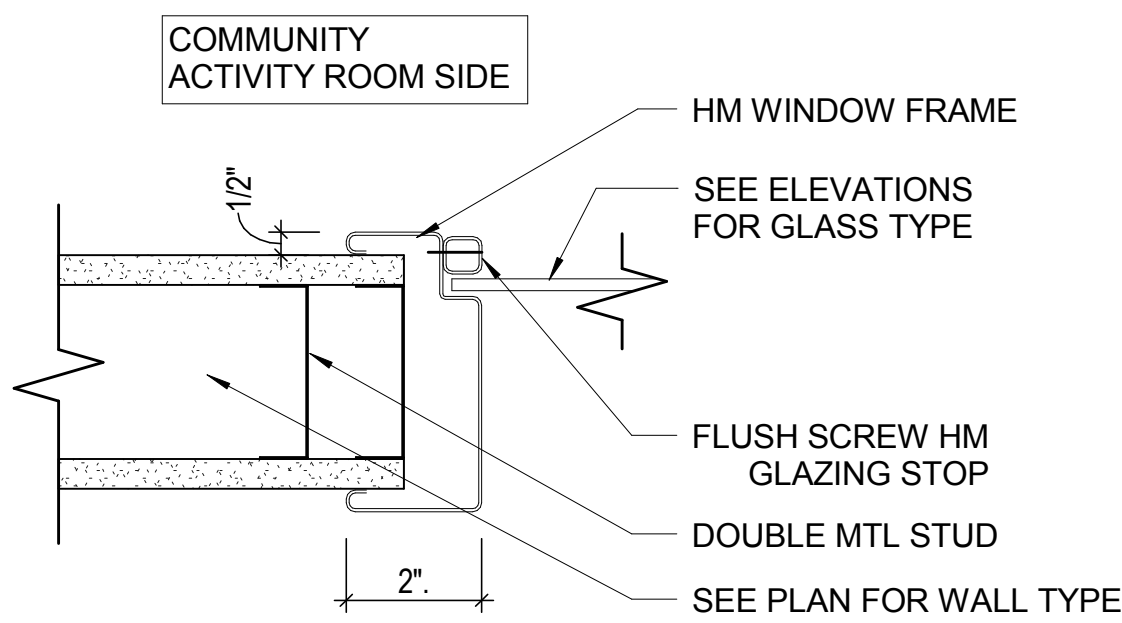
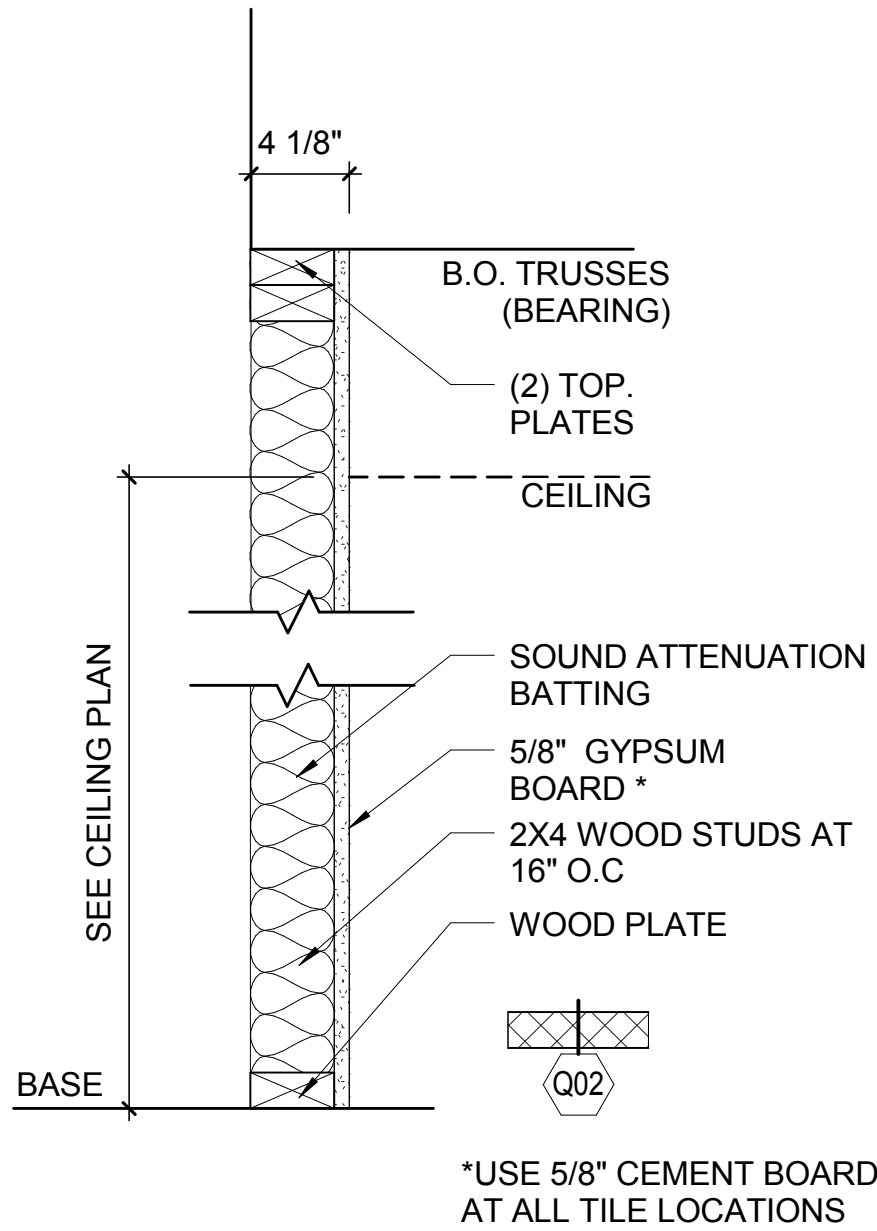
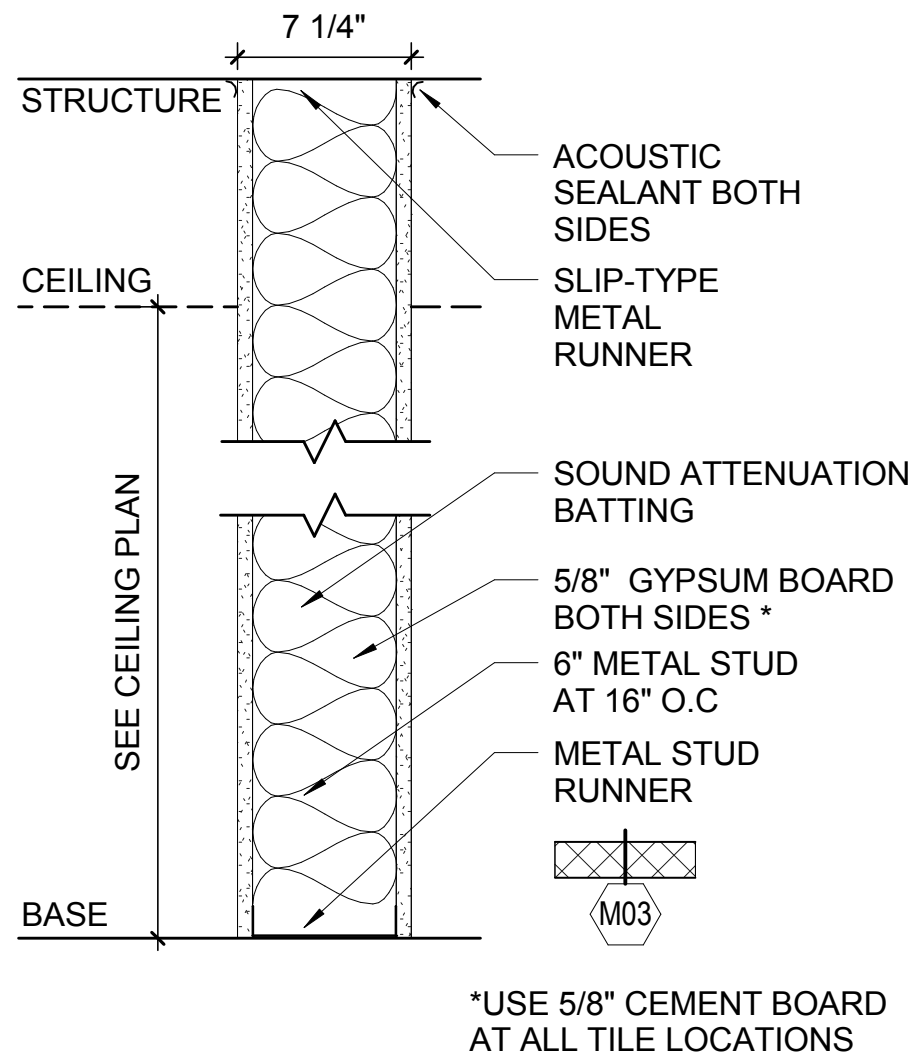
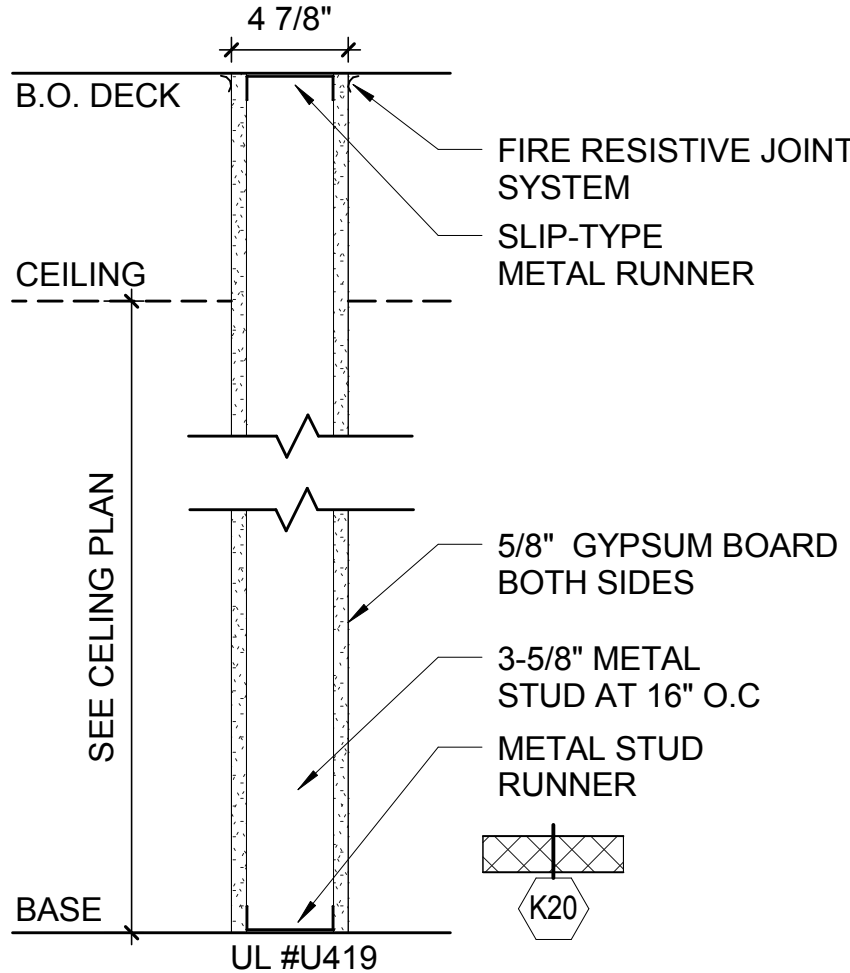
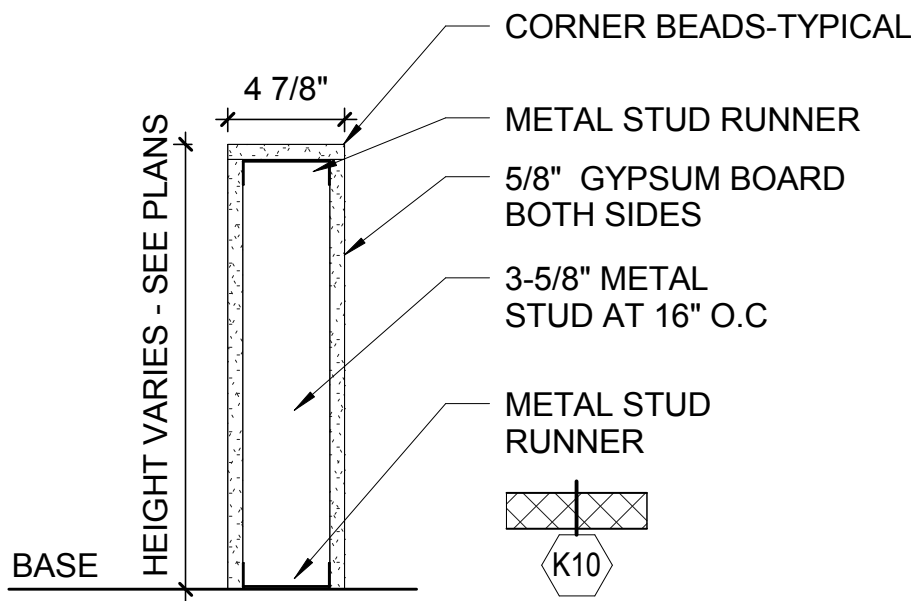
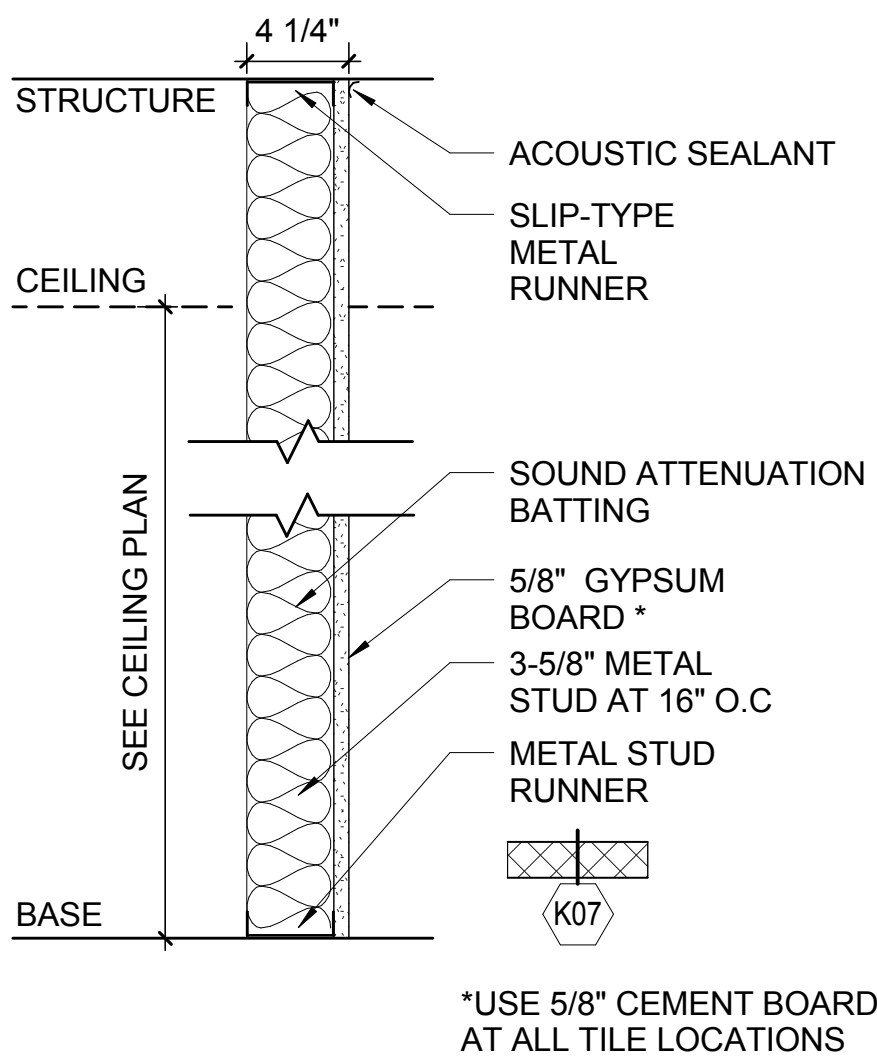
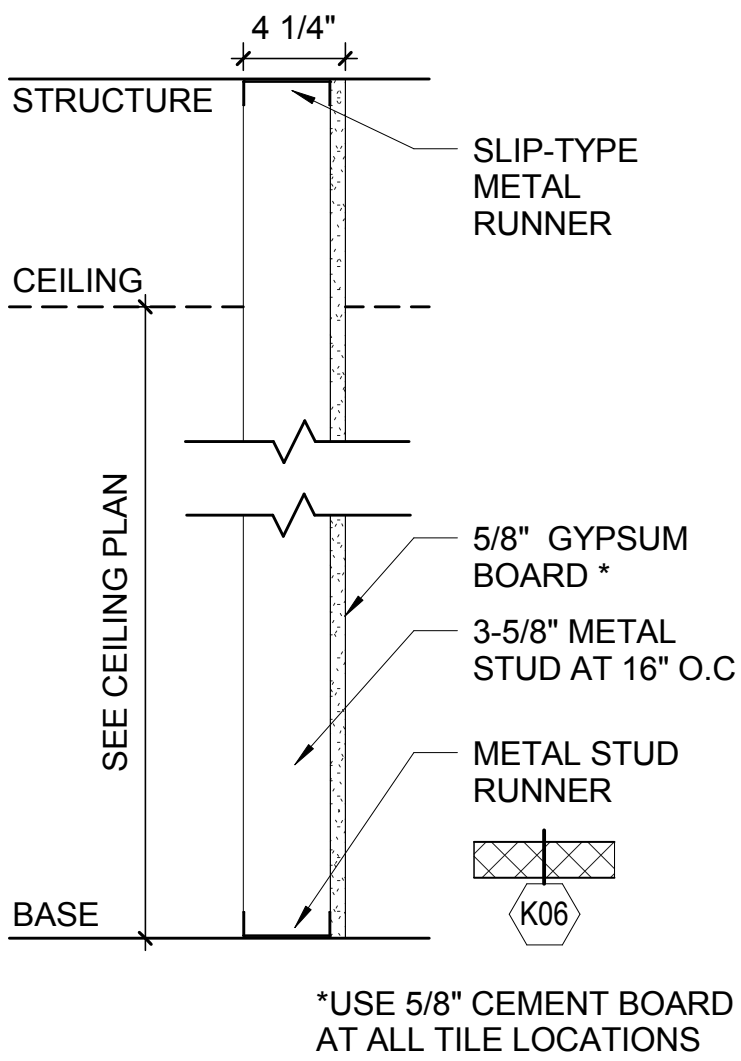
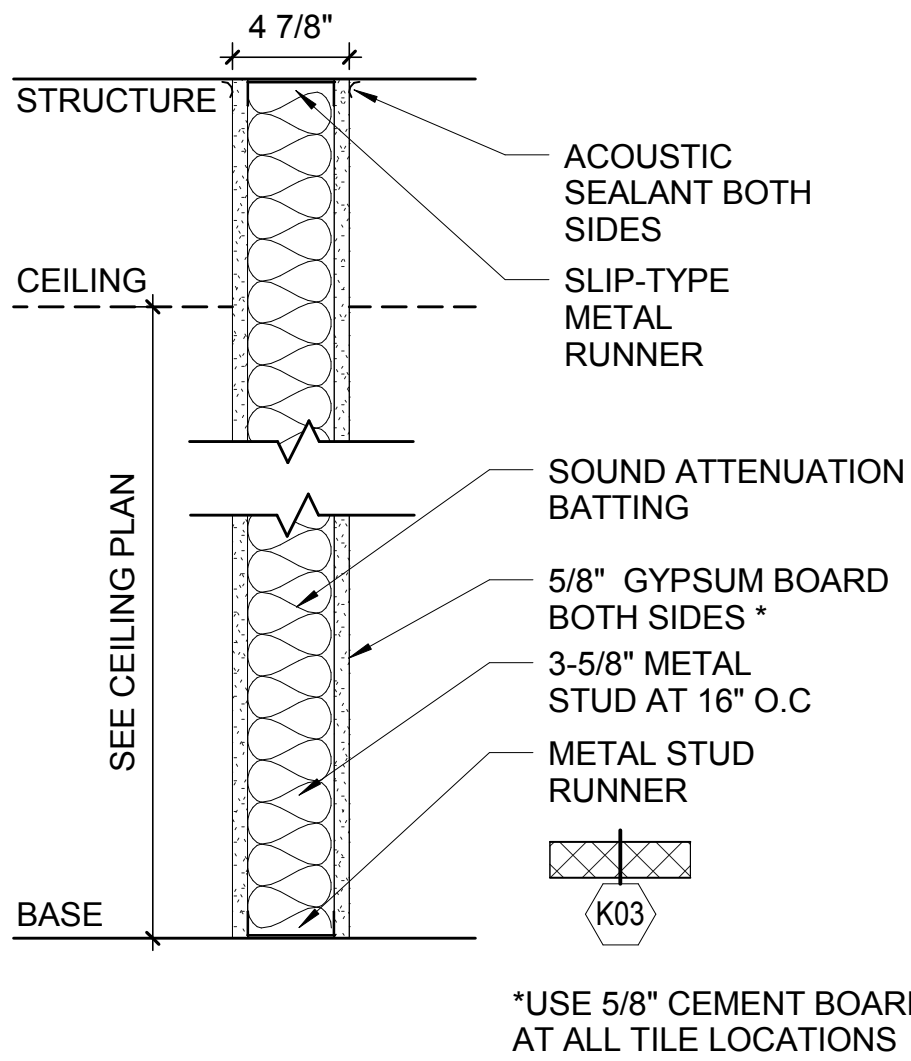
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WALL TYPES &
FRAME DETAILS

A602



1. ALL WINDOWS SILLS TO BE SS-2.
2. ALL EXISTING COLUMNS TO BE PT-1.
3. PROVIDE TRANSITION STRIP TS-1 AT LOCATIONS WHERE CARPET TILE MEETS ST-1.
4. PROVIDE TRANSITION STRIP TS-2 AT LOCATIONS WHERE CARPET TILE MEETS SC-1 OR EXISTING SUBFLOOR.
5. PROVIDE TRANSITION STRIP TS-3 AT LOCATIONS WHERE SV-1 MEETS ST-1.


Specialty Equipment Schedule		
Type Mark	Description	Type Comments
FWP-4	Fabric Wrapped Panel Type 4	See Sheet A702
FWP-5	Fabric Wrapped Panel Type 5	See Sheet A702
FWP-6	Fabric Wrapped Panel Type 6	See Sheet A702
FWP-7	Fabric Wrapped Panel Type 7	See Sheet A702
FWP-8	Fabric Wrapped Panel Type 8	See Sheet A702
ID-__	Identification Signage	See specifications for schedule; Mounting Height Top of 60" AFF U.N.O.
PR-1	Wall Mounted Picture Rail	Mounting Height = 10'-0" to Bottom of Rail for length of wall U.N.O.
WB-1	White Board H48" x L48"	Mounting Height = 30" A.F.F.
WB-2	White Board H48" x L120"	Mounting Height = 30" A.F.F.
WB-3	White Board H48" x L38"	Mounting Height = 30" A.F.F.
WP-1	Wall Protection	Top of Panels 8'-4" A.F.F. down to Top of 4" Base

PROJECT NUMBER	132273.00
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REVISION FOR:

NO.	DESCRIPTION	DATE
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FINISH PLAN



Plan North



MILWAUKEE • MADISON • TUCSON

Meadowridge Branch Library
& Meadowood Neighborhood
Center

Madison, Wisconsin

Owner:
City of Madison
210 MLK Jr. Blvd
Madison, WI 53703-3342

PROJECT NUMBER 132273.00

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RM #	ROOM NAME	FINISH SCHEDULE						CEILING	ROOM FINISH NOTES
		FLOORS	BASE	WALL FINISH					
		FINISH	FINISH	NORTH FINISH	EAST FINISH	SOUTH FINISH	WEST FINISH		
100	VESTIBULE	WM-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
101	BOOK RETURN	WM-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
102	ADULT COLLECTIONS	CPT-1 / ST-1	RB-1	PT-4/PT-6	PT-1/PT-2	PT-1/PT-2	PT-2/PT-5	ACT-1/PT-5/PT-3	
102A	YOUTH COLLECTIONS	CPT-1	RB-1	PT-1/PT-2/FWP-3	PT-1/PT-7FWP-4	PT-4	PT-2	PT-7/ACT-1	
102B	TEENS	ST-1	RB-1	PT-2	PT-2	-	PT-6/FWP-2	ACT-1/PT-6	
103	QUIET ROOM	CPT-1	RB-1	PT-8/WD/CT-6	PT-8	PT-8	PT-8	ACT-1	
104	STUDY ROOM	CPT-1	RB-1	PT-1/WB-1	PT-1	PT-1	PT-1	ACT-1	
105	YOUTH OFFICE	CPT-1	RB-1	PT-1	PT-1/WB-1	PT-1	PT-1	ACT-1	
106	OFFICE	CPT-1	RB-1	PT-1/WB-1	PT-1	PT-1	PT-1	ACT-1	
107	CHECK IN	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
108	MECH.	EXT	-	PT-1	PT-1	PT-1	PT-1	OTS	
109	SYSTEMS	SC-1	RB-1	PT-1	PT-1	PT-1	PT-1	OTS	
110	STUDY ROOM	CPT-1	RB-1	PT-1/WB-1	PT-1	PT-1	PT-1	ACT-1	
111	COMFORT	ST-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
112	MENS	ST-1	CT-4	PT-1	CT-2	PT-1	PT-1	PT-1	3
113	WOMENS	ST-1	CT-4	PT-1	PT-1	PT-1	CT-2	PT-1	3
114	VESTIBULE	ST-1	RB-1	PT-1	PT-6	PT-1	PT-1	ACT-1	
115	ASK DESK	ST-1	RB-1	PT-1	-	PT-2	PT-2/FWP-1	PT-5	1,2
116	ENTRY	WM-1	RB-1	PT-2	PT-2/PT-5	PT-2	PT-2	ACT-1	
200	VESTIBULE	WM-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
201	SMALL ACTIVITY ROOM	ST-1	RB-1	PT-1	PT-1/FWP-5	PT-1	PT-3	ACT-1	4
202	GAMING	ST-1	RB-1	PT-1	PT-1	PT-1	PT-3/FWP-6	ACT-1	
203	COMM. GROUPS ROOM	CPT-2	RB-1	PT-1	PT-1	PT-1	PT-3	ACT-1	
204	COMMUNITY ACTIVITY ROOM	SV-1	RB-2	PT-1	PT-1	PT-1	PT-1	ACT-1	5
205	ELECTRICAL CLOSET	SV-1	RB-2	PT-1	PT-1	PT-1	PT-1	ACT-1	
206	STORAGE	SV-1	RB-2	PT-1	PT-1	PT-1	PT-1	ACT-1	
207	PANTRY	ST-1	RB-1	PT-1	PT-1	PT-1/FWP-7	PT-1	ACT-1	
208	WOMENS	ST-1	CT-4	PT-1	PT-1	CT-2	PT-1	PT-1	3
209	MENS	ST-1	CT-4	CT-2	PT-1	PT-1	PT-1	PT-1	3
211	LIVING ROOM	CPT-2 / ST-1	RB-1	PT-9/PT-4	PT-1/PT-3/PT-9	PT-1/PT-9	PT-1/PT-4	ACT-1/PT-5/PT-3	
212	OFFICE	CPT-2	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
213	HALL	CPT-2	RB-1	PT-9	PT-1	-	PT-9	ACT-1/PT-5	
214	CONCIERGE	ST-1	RB-1	-	-	-	-	ACT-1	5
215	STORAGE	SC-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
300	COMMUNITY ROOM	CPT-1 / CPT-2 / ST-1	RB-1	PT-8	PT-1	PT-1	PT-1	ACT-1/PT-5	
301	STORAGE	CPT-2	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
302	KITCHEN	ST-1	RB-1	CT-1/PT-8	PT-8	PT-8	PT-8	ACT-2	6
303	OFFICE	CPT-2	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
304	JANITORS	SC-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
305	STORAGE	SC-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
306	STAFF	SC-1	CT-4	CT-2	PT-1	PT-1	PT-1	PT-1	
307	STAFF LOUNGE	SC-1	RB-1	PT-1	PT-1/PT-8	PT-8	PT-8/PT-5	ACT-1	4
308	RECIEVING	SC-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
309	STORAGE	SC-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	

Grand total: 44

ROOM FINISH NOTES

1. DESK MATERIALS: SEE ELEVATIONS FOR LOCATIONS. TOP/SIDE: SS-1, FACE: WD-1/ PLAM-3
2. CABINETY TO BE PLAM-3. COUNTERTOP TO BE PLAM-4.
3. SINK & VANITY TO BE: SS-2
4. CABINETY TO BE PLAM-1. COUNTERTOPS TO BE PLAM-2.
5. SEE ELEVATIONS FOR MILLWORK FINISHES & LOCATIONS.
6. CABINETY TO BE PLAM-1. COUNTERTOPS TO BE SS-1.

ROOM FINISH SCHEDULE

DRAWN BY Author

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A702

Madison, Wisconsin

Owner:
City of Madison
210 MLK Jr. Blvd
Madison, WI 53703-3342

PROJECT NUMBER 132273.00

SEAL

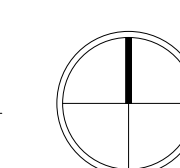
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NO.	DESCRIPTION	DATE

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FURNITURE PLAN -
REFERENCE ONLY



Plan North

A703

1 FIRST FLOOR FURNITURE PLAN - FOR REFERENCE ONLY
SCALE: 1/8" = 1'-0"

Meadowridge Branch Library
& Meadowood Neighborhood
Center

Madison, Wisconsin

Owner:
City of Madison
210 MLK Jr. Blvd
Madison, WI 53703-3342

PROJECT NUMBER 132273.00

SEAL

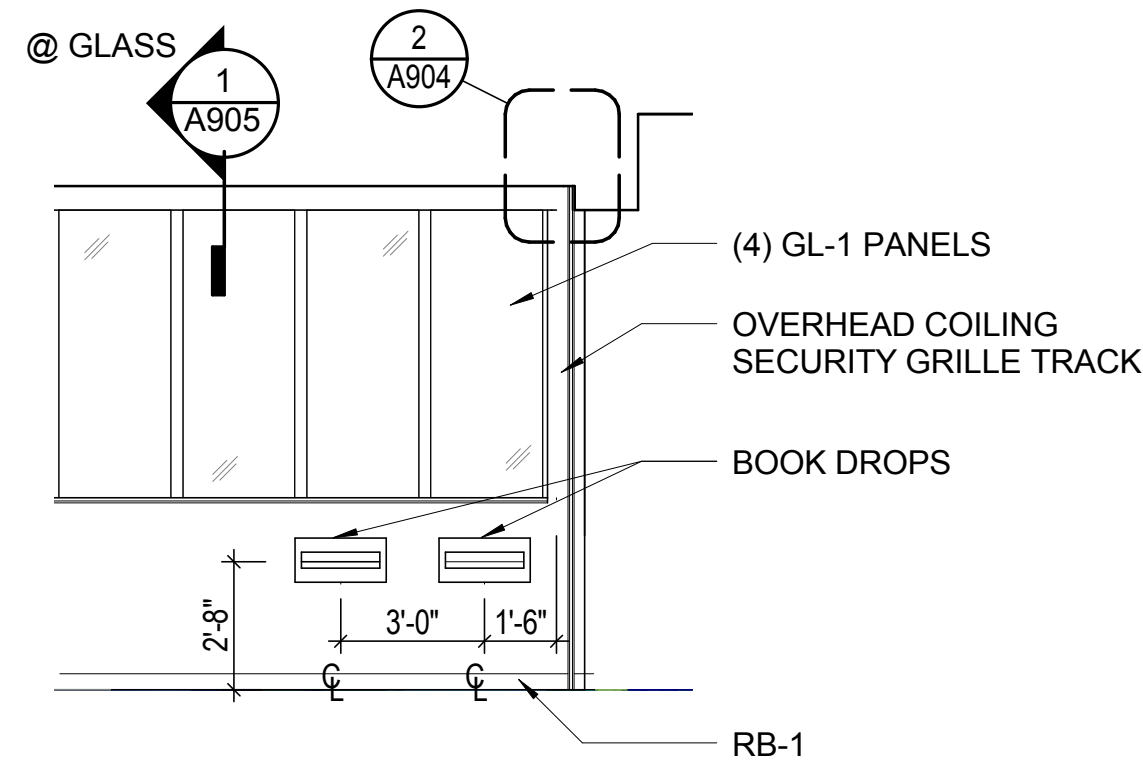
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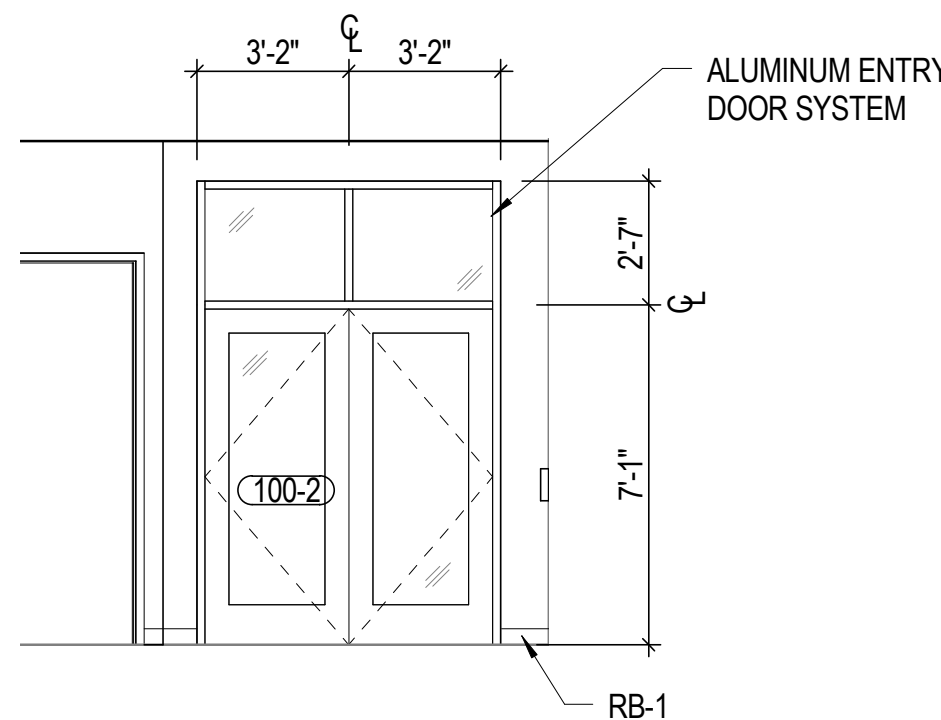
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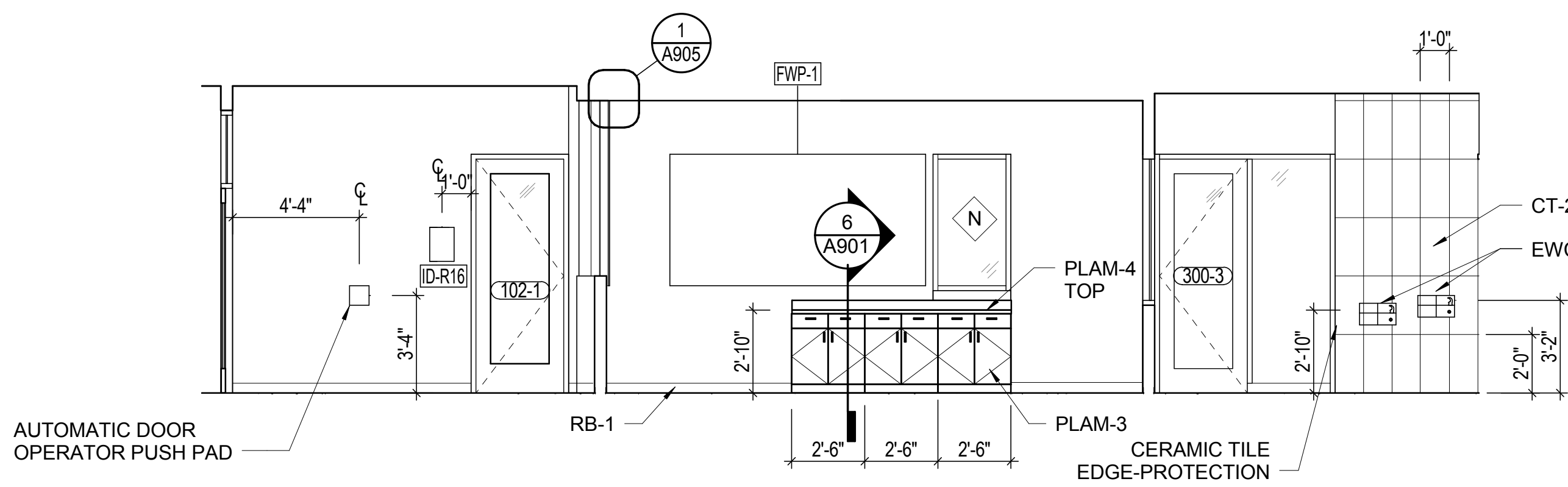
INTERIOR
ELEVATIONS



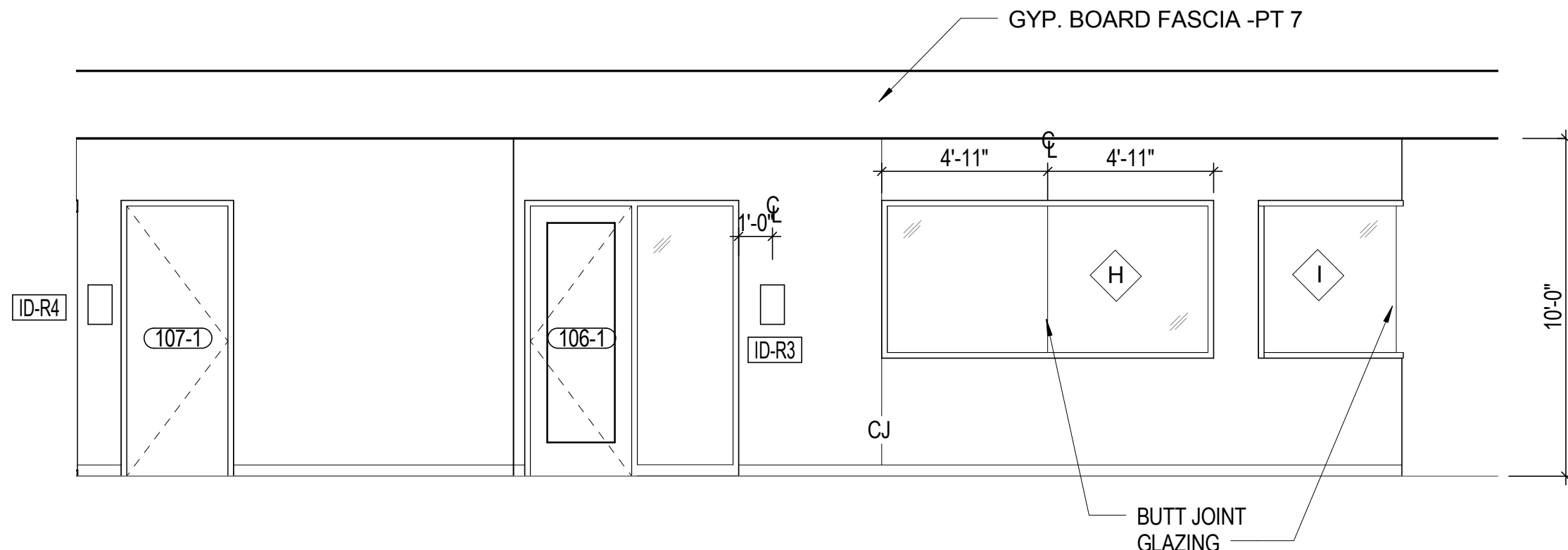
1 ENTRY 116 - NORTH
SCALE: 1/4" = 1'-0"



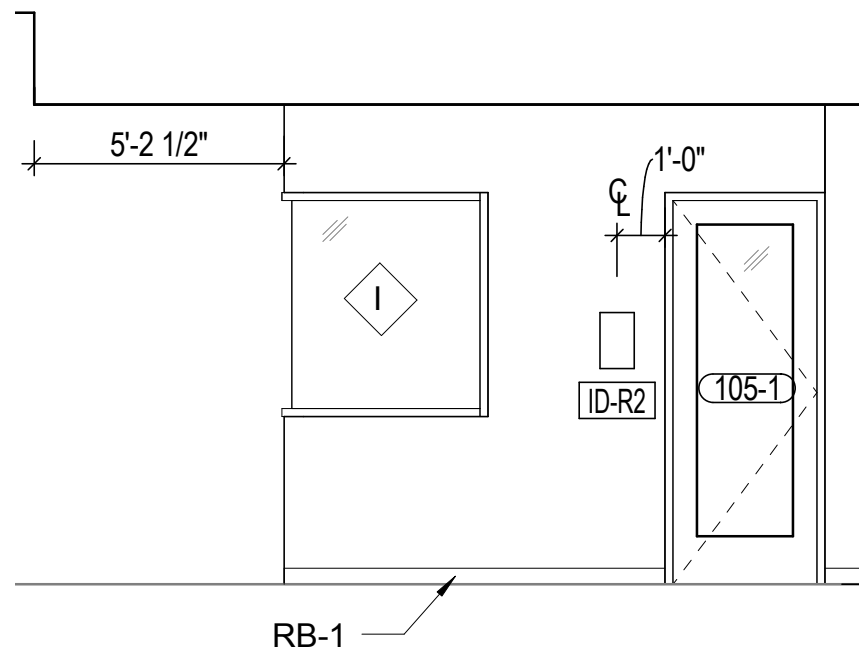
2 ENTRY 116 - SOUTH
SCALE: 1/4" = 1'-0"



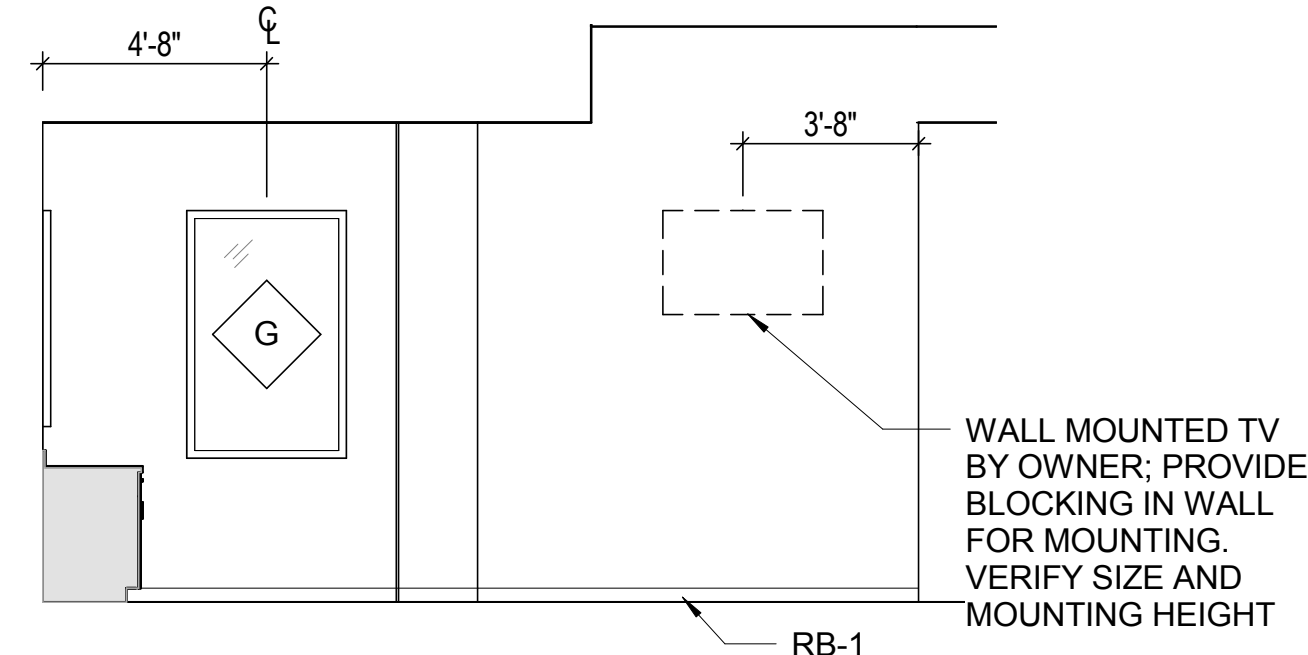
3 ASK DESK ELEVATION - WEST
SCALE: 1/4" = 1'-0"



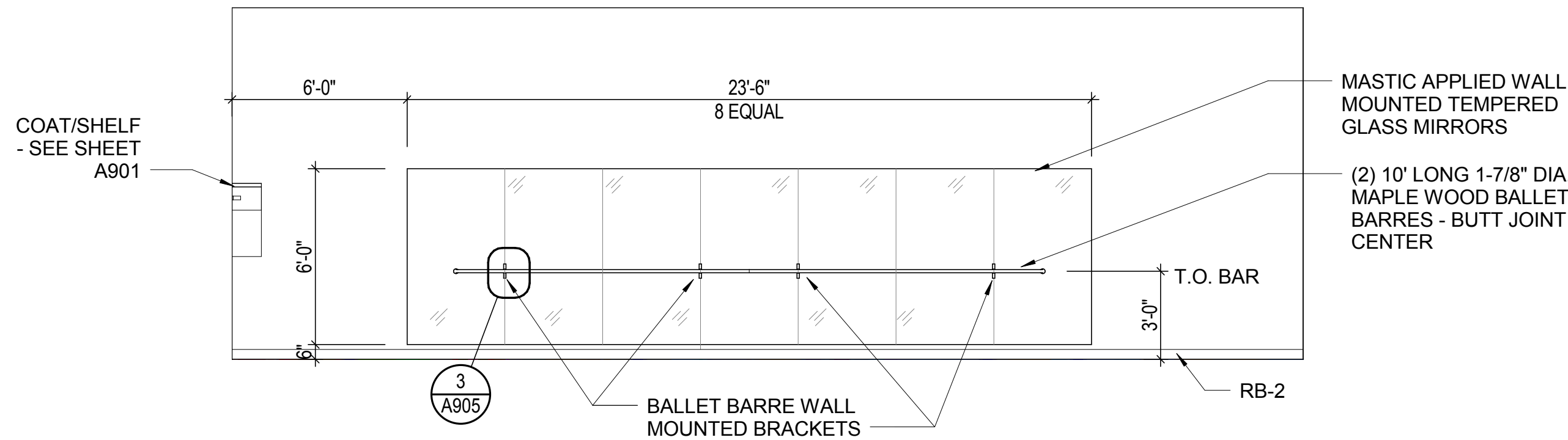
4 COLLECTIONS 113 NORTH
SCALE: 1/4" = 1'-0"



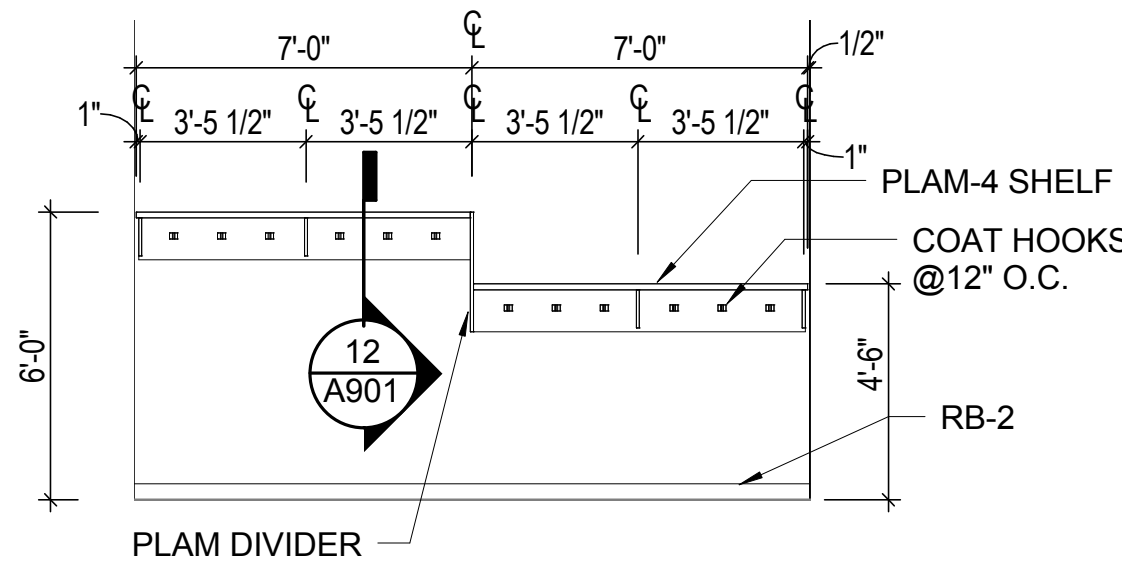
5 YOUTH OFFICES 105 ENTRY
SCALE: 1/4" = 1'-0"



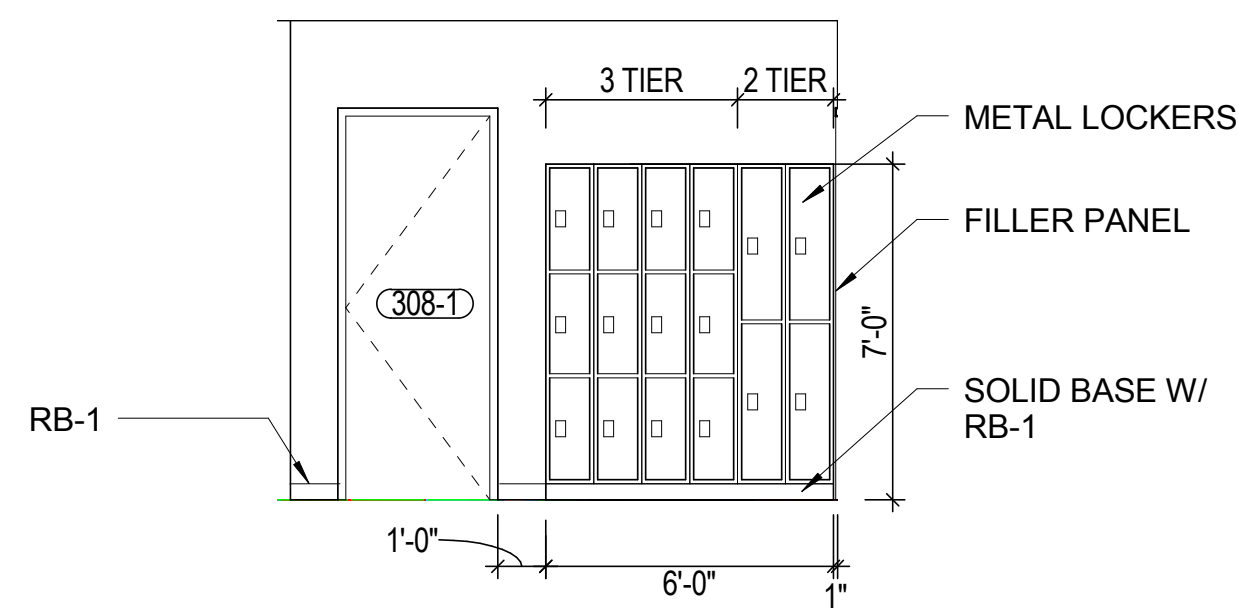
6 ASK DESK - NORTH
SCALE: 1/4" = 1'-0"



7 COMMUNITY ACTIVITY ROOM 204 WEST
SCALE: 1/4" = 1'-0"



8 COMMUNITY ACTIVITY ROOM 204 - SOUTH
SCALE: 1/4" = 1'-0"



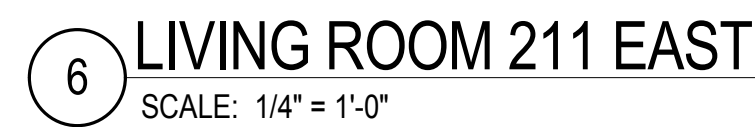
9 STAFF LOCKERS
SCALE: 1/4" = 1'-0"

PROJECT NUMBER	132273.00
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A802



Meadowridge Branch Library
& Meadowood Neighborhood
Center

Madison, Wisconsin

Owner:
City of Madison
210 MLK Jr. Blvd
Madison, WI 53703-3342

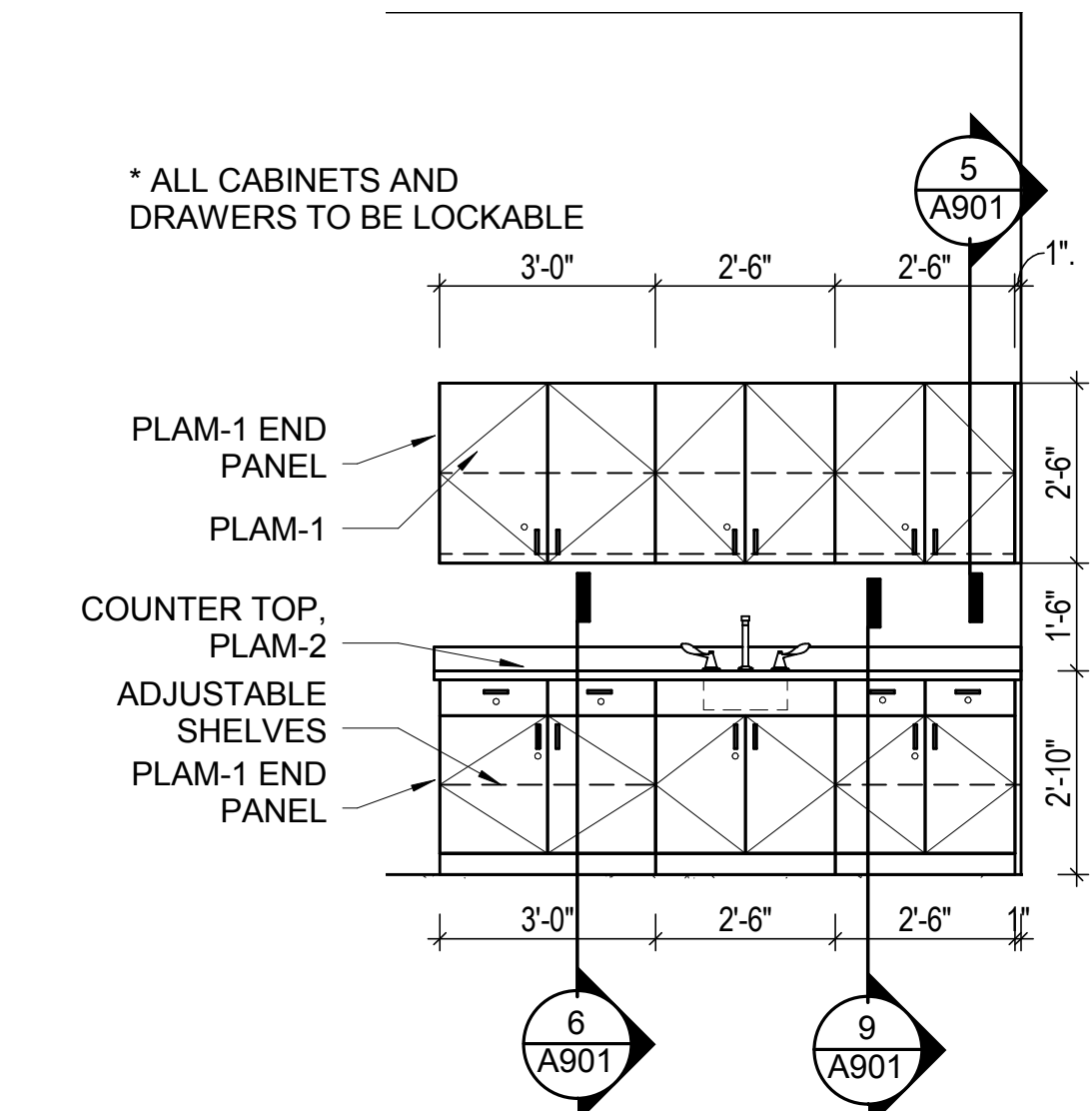
PROJECT NUMBER 132273.00

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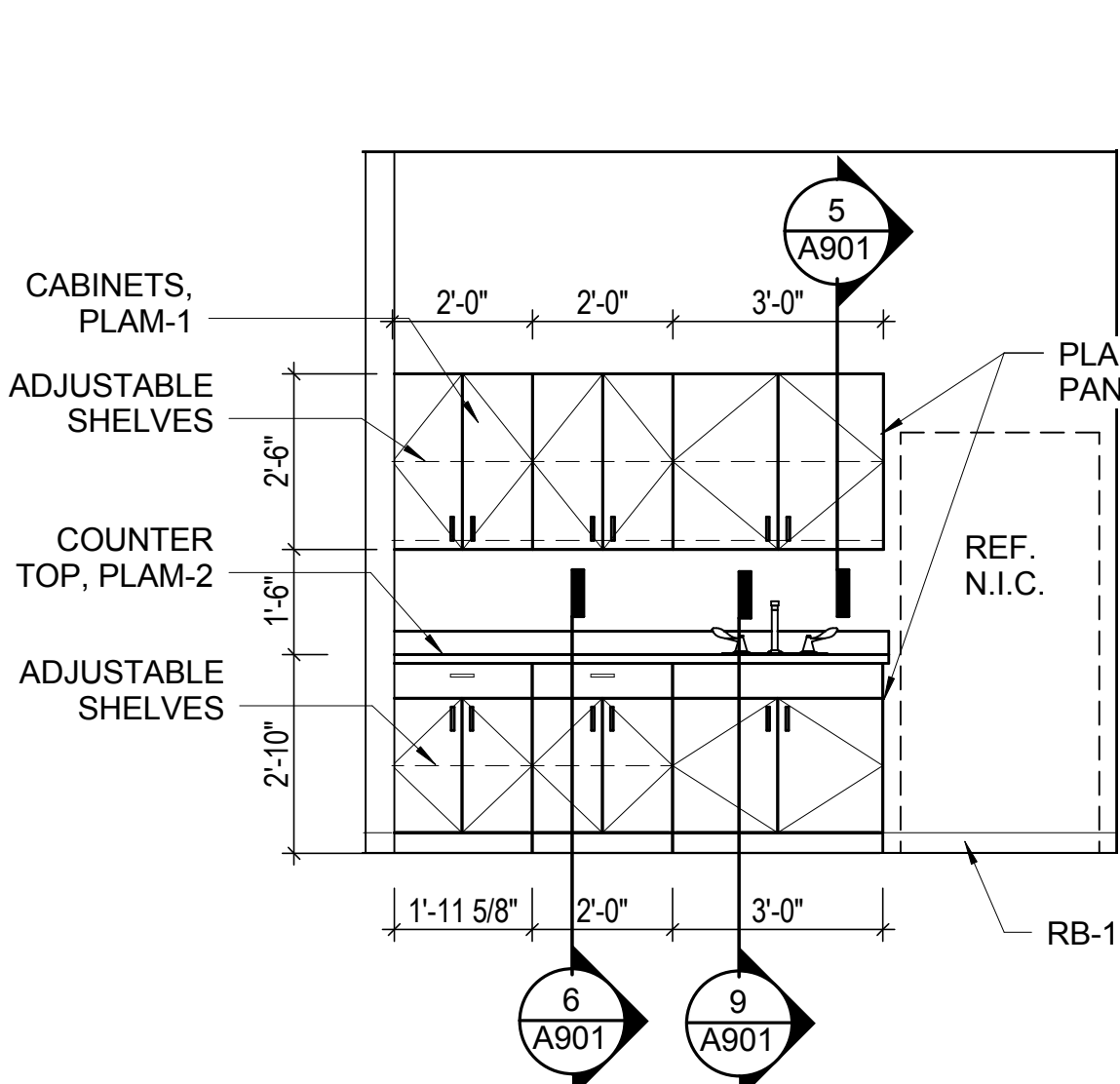
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MILLWORK
ELEVATIONS &
DETAILS

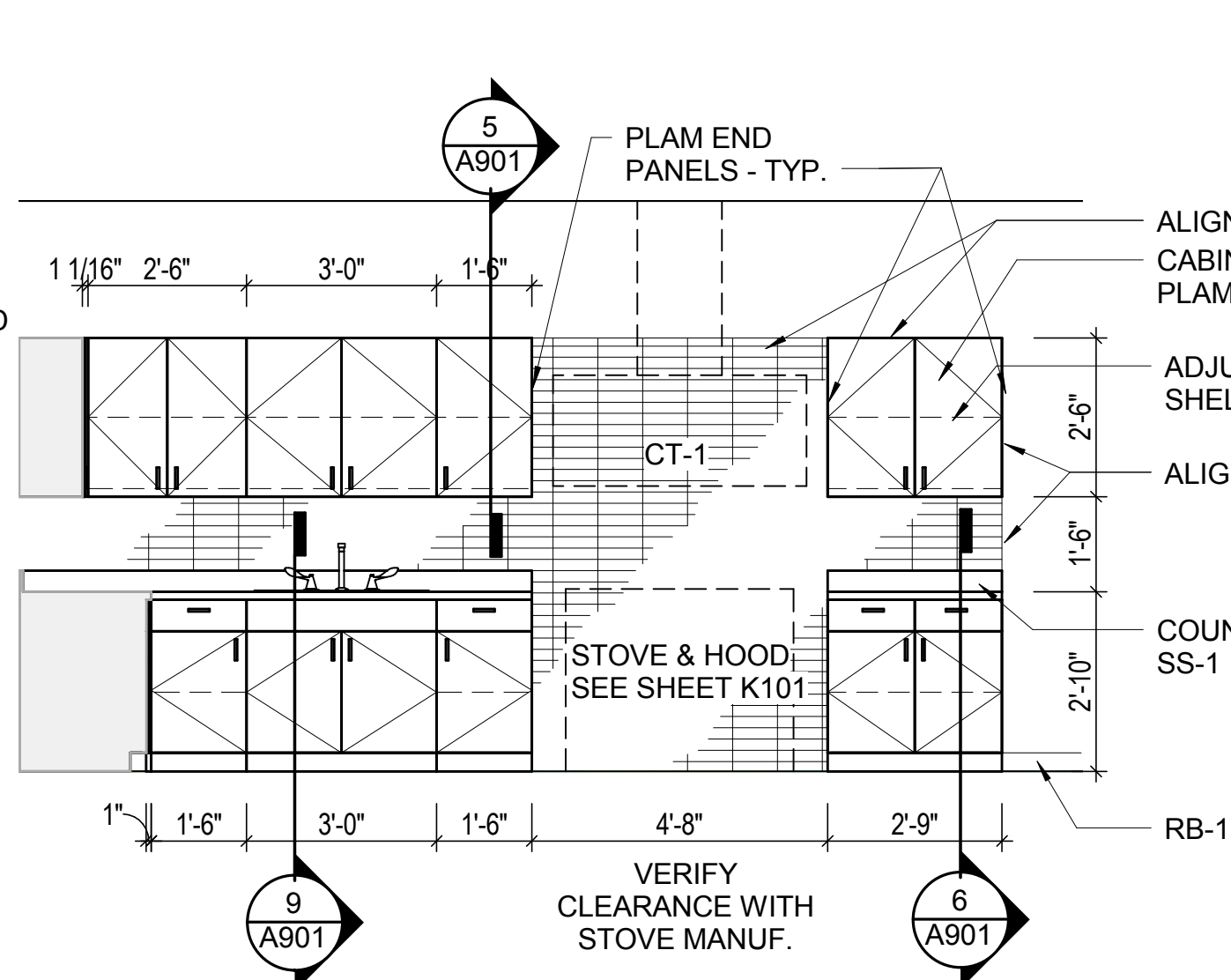
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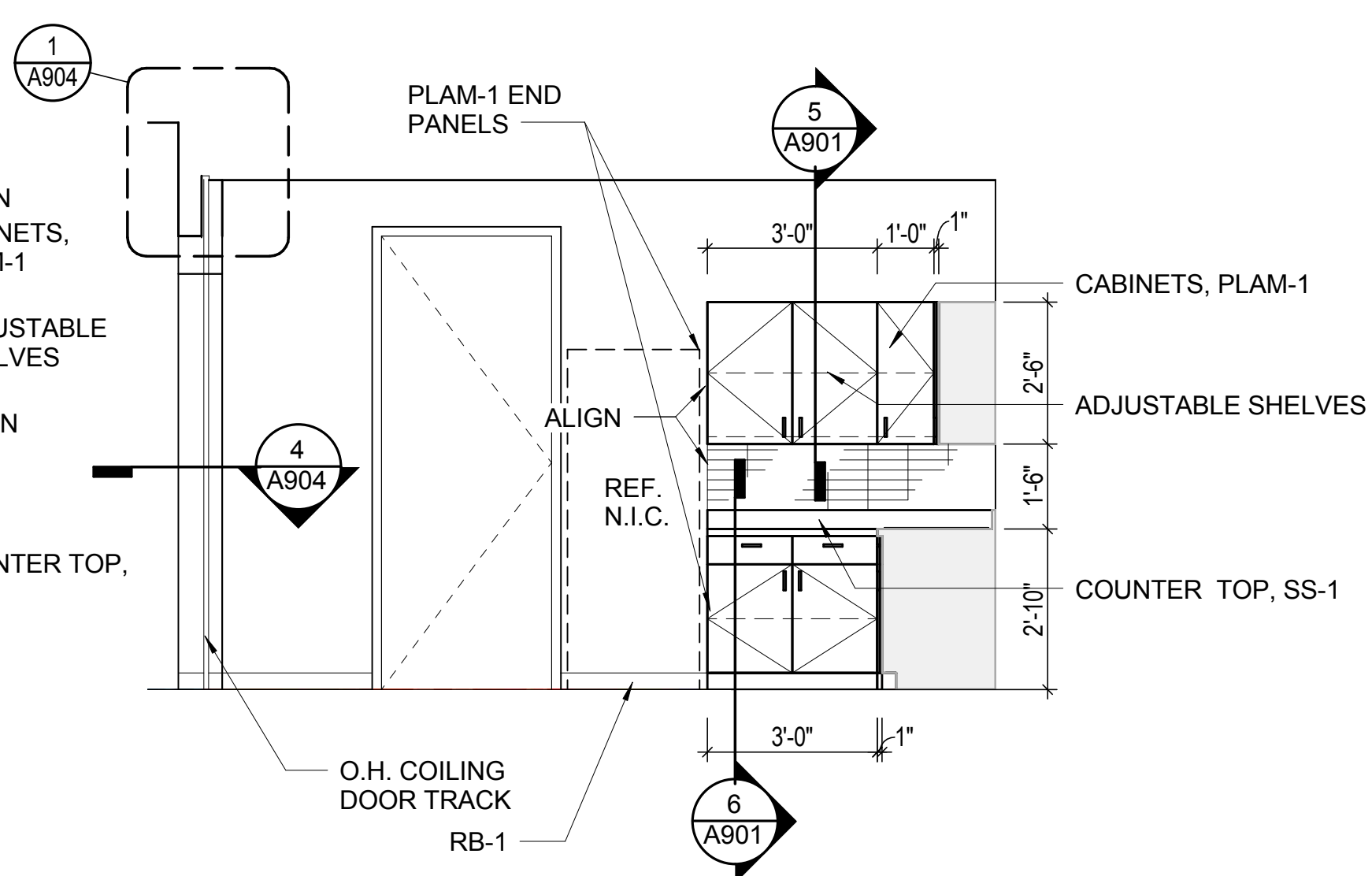
1 SMALL ACTIVITIES ROOM 201
SCALE: 3/8" = 1'-0"



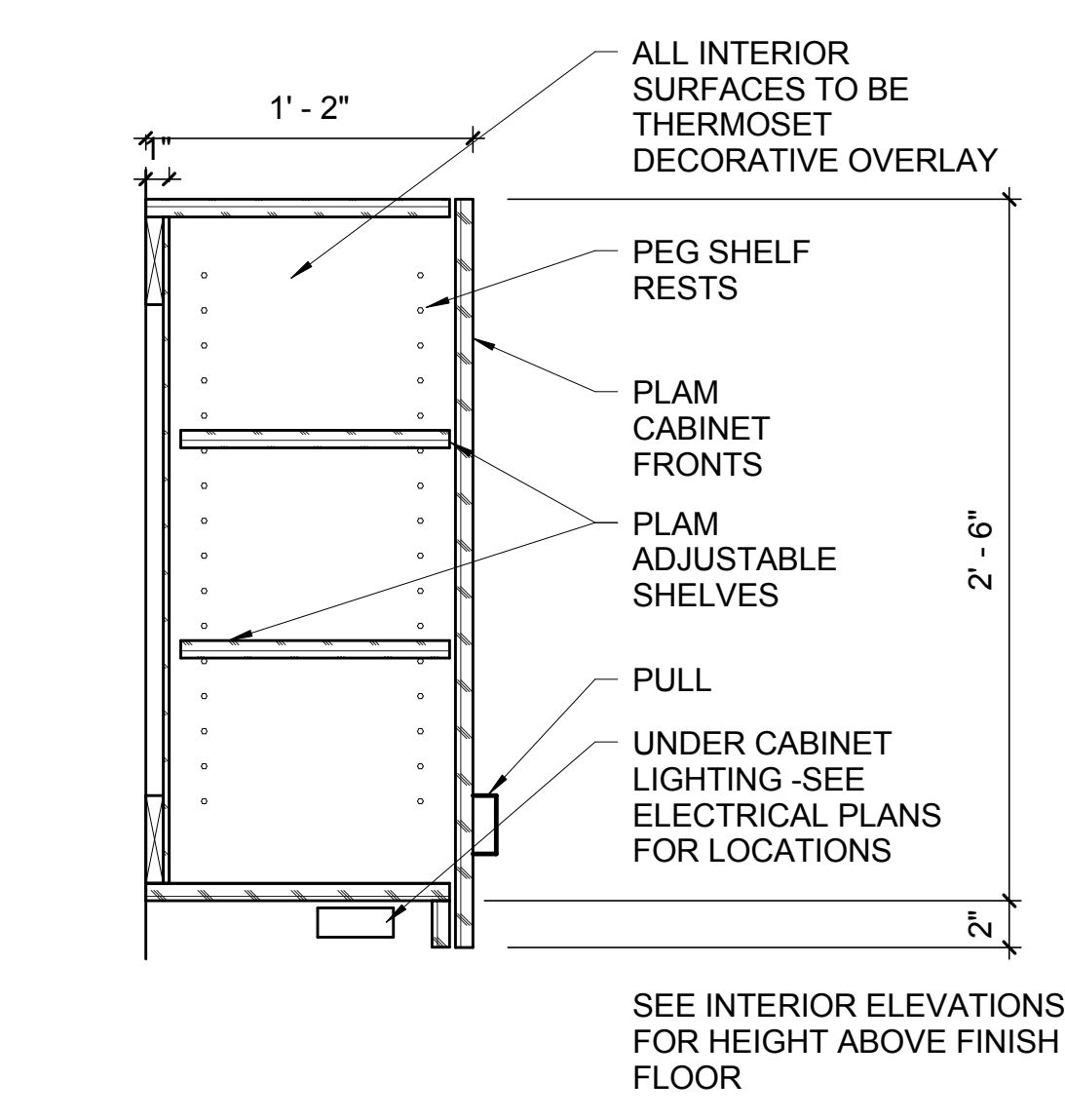
2 STAFF LOUNG 211 WEST
SCALE: 3/8" = 1'-0"



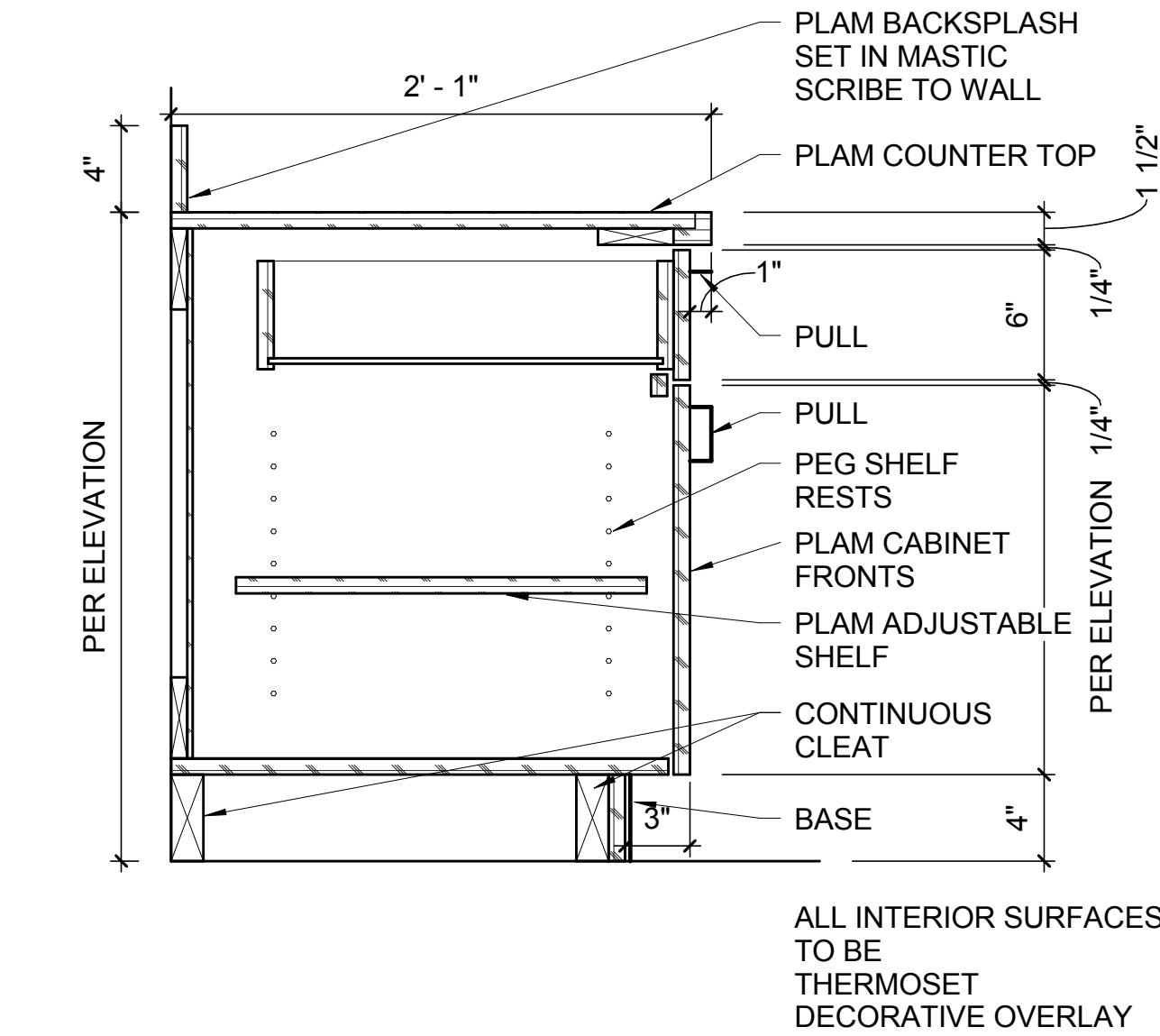
3 KITCHEN - NORTH
SCALE: 3/8" = 1'-0"



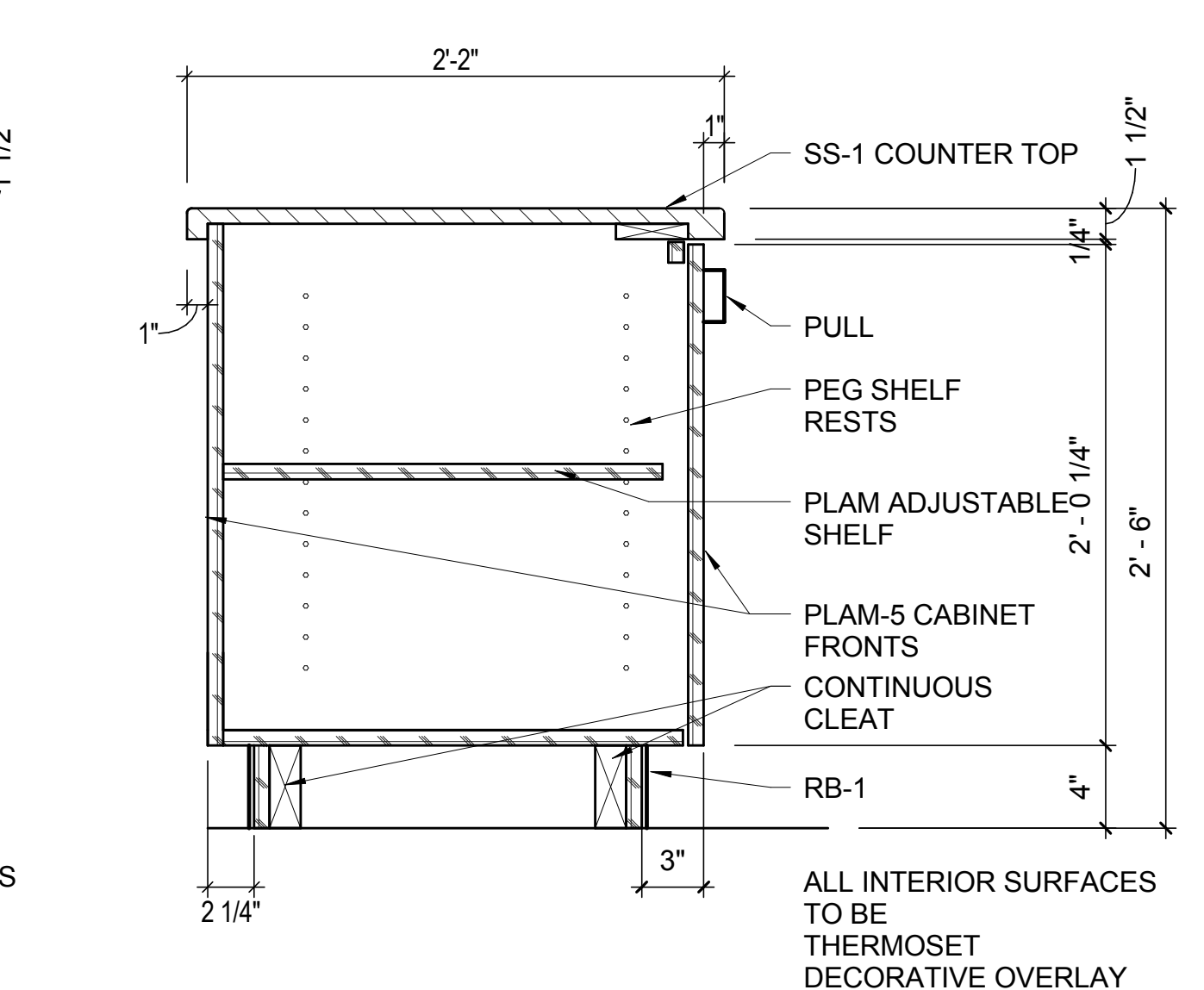
4 KITCHEN - WEST
SCALE: 3/8" = 1'-0"



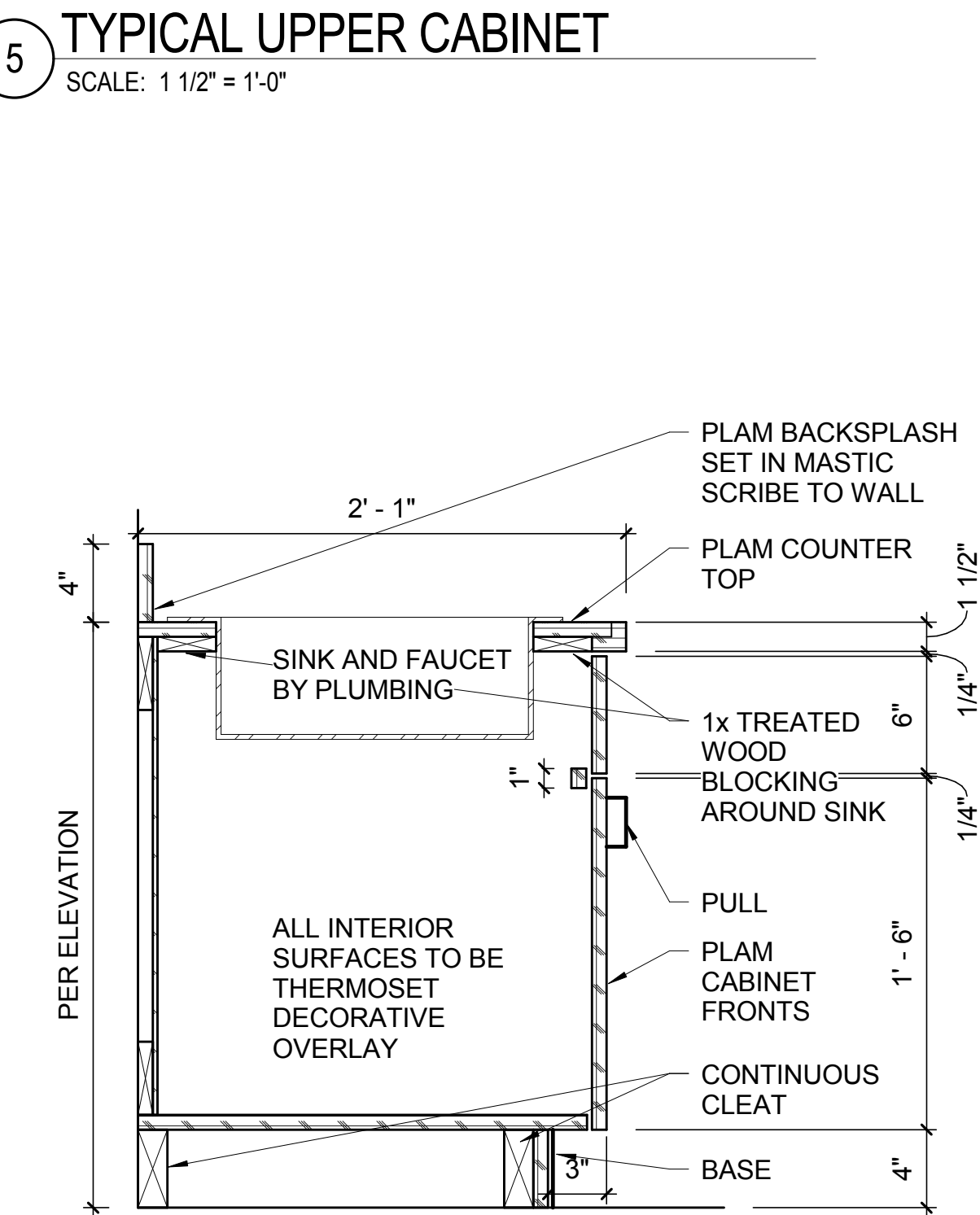
5 TYPICAL UPPER CABINET
SCALE: 1 1/2" = 1'-0"



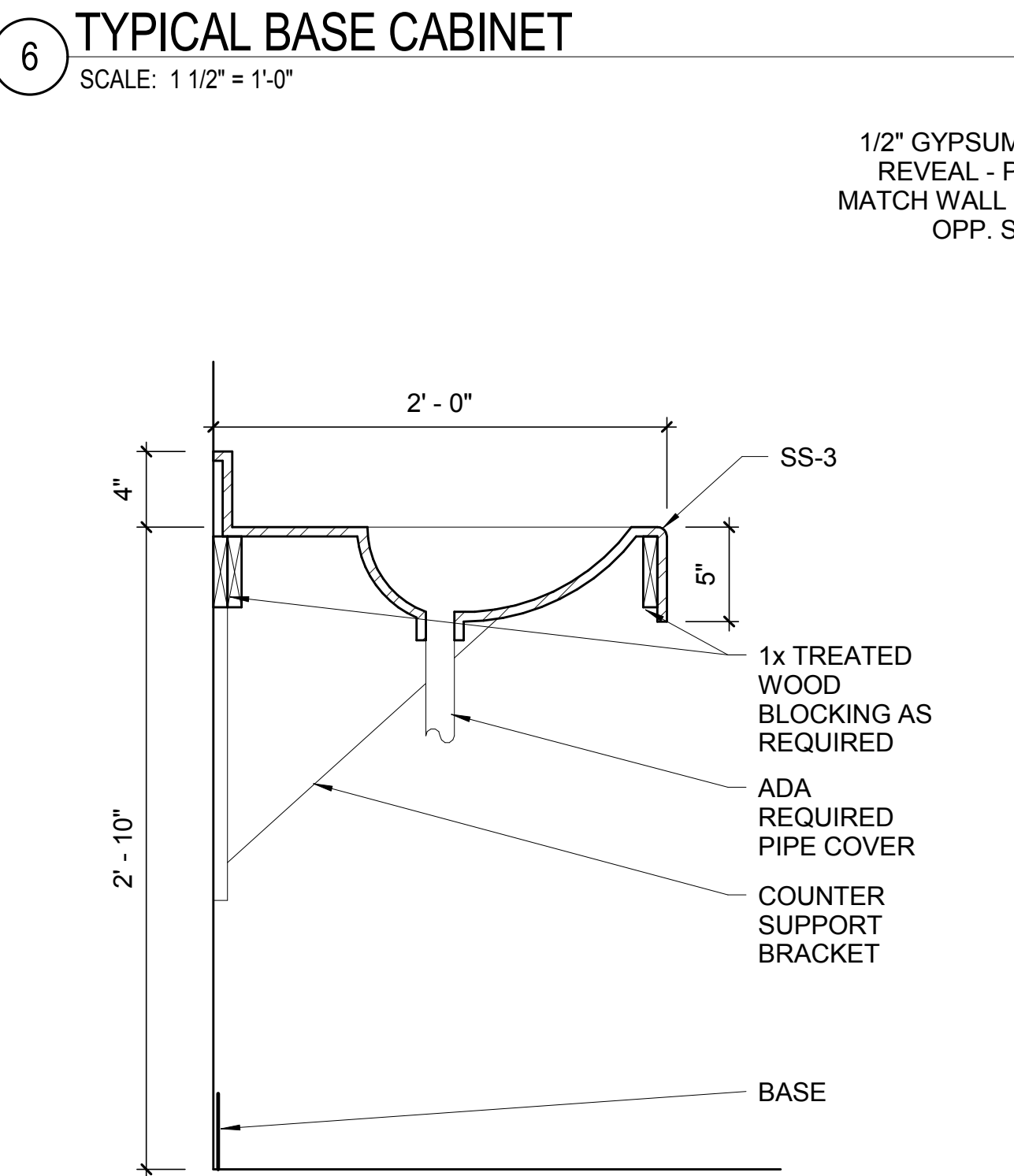
6 TYPICAL BASE CABINET
SCALE: 1 1/2" = 1'-0"



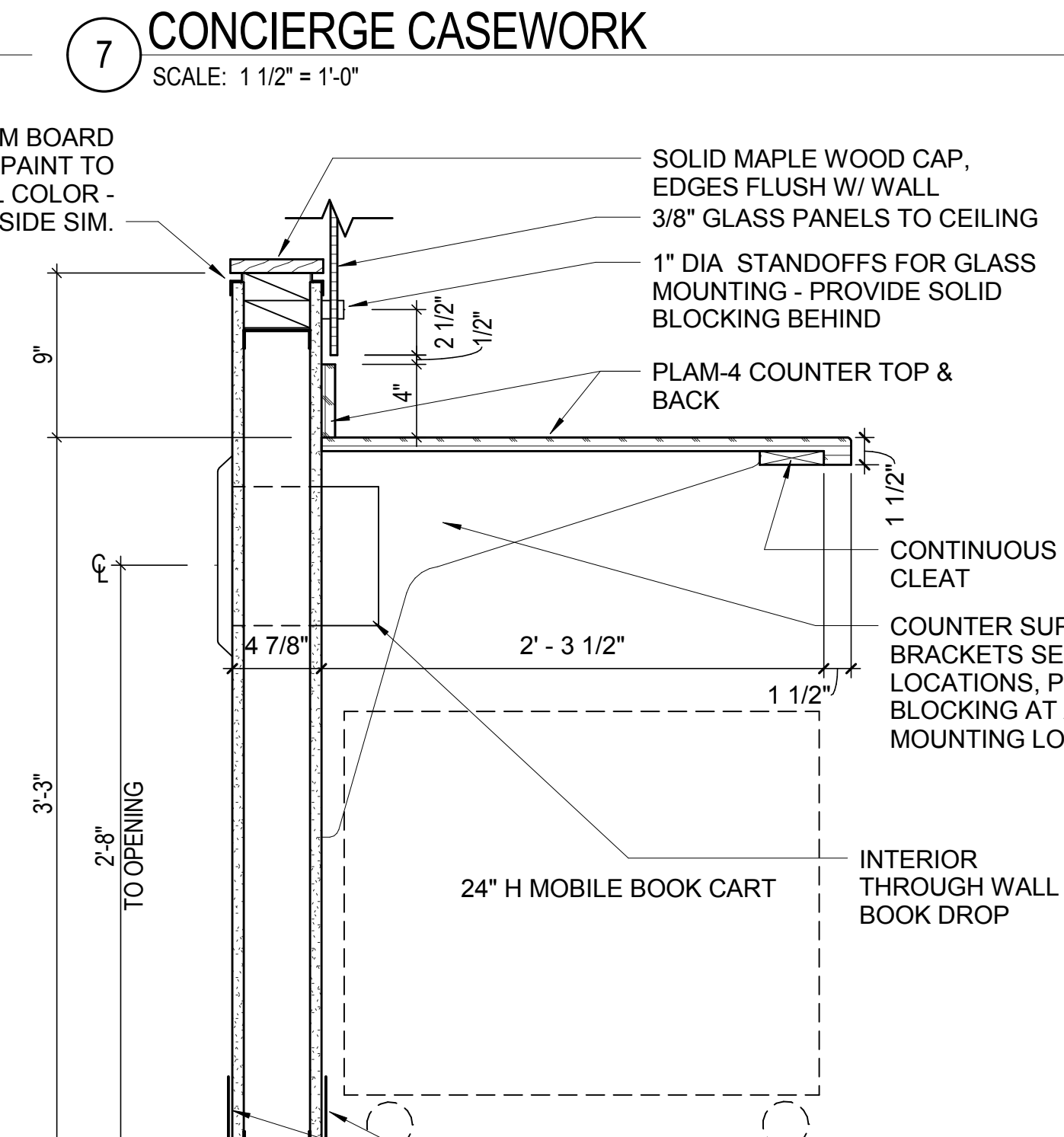
7 CONCIERGE CASEWORK
SCALE: 1 1/2" = 1'-0"



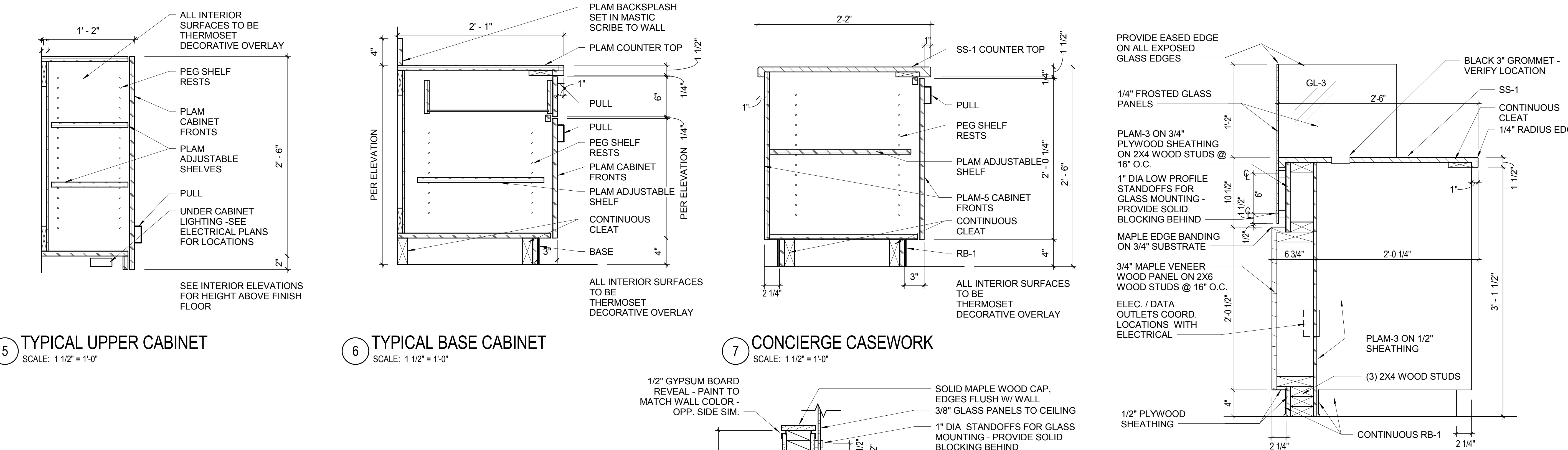
9 TYPICAL BASE CABINET W/ SINK
SCALE: 1 1/2" = 1'-0"



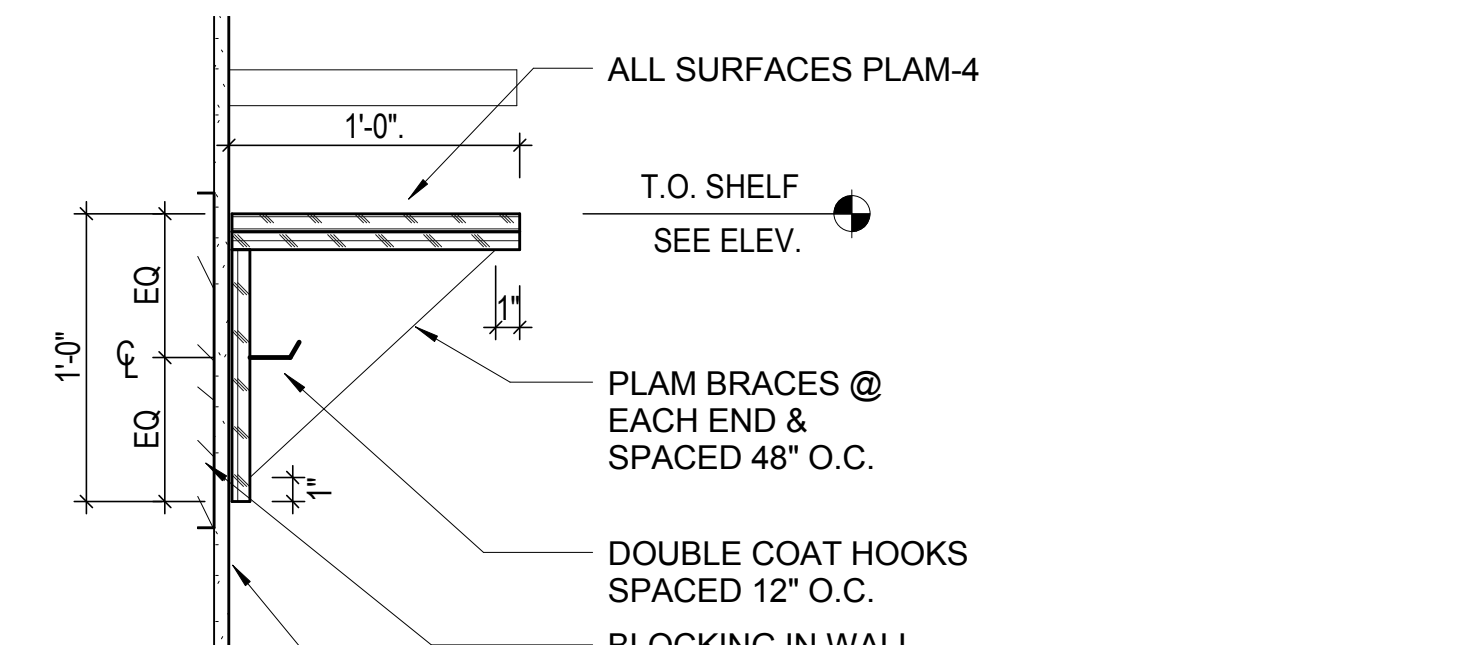
10 VANITY DETAIL @ RESTROOMS
SCALE: 1 1/2" = 1'-0"



11 ASK DESK BOOKDROP DETAIL
SCALE: 1 1/2" = 1'-0"



8 ASK DESK CASEWORK DETAIL
SCALE: 1 1/2" = 1'-0"



12 COAT / SHELF CASEWORK @ ACTIVITY ROOM
SCALE: 1 1/2" = 1'-0"

Meadowridge Branch Library
& Meadowood Neighborhood
Center

Madison, Wisconsin

Owner:
City of Madison
210 MLK Jr. Blvd
Madison, WI 53703-3342

PROJECT NUMBER 132273.00

SEAL

ISSUED FOR:
BIDDING 10-28-13

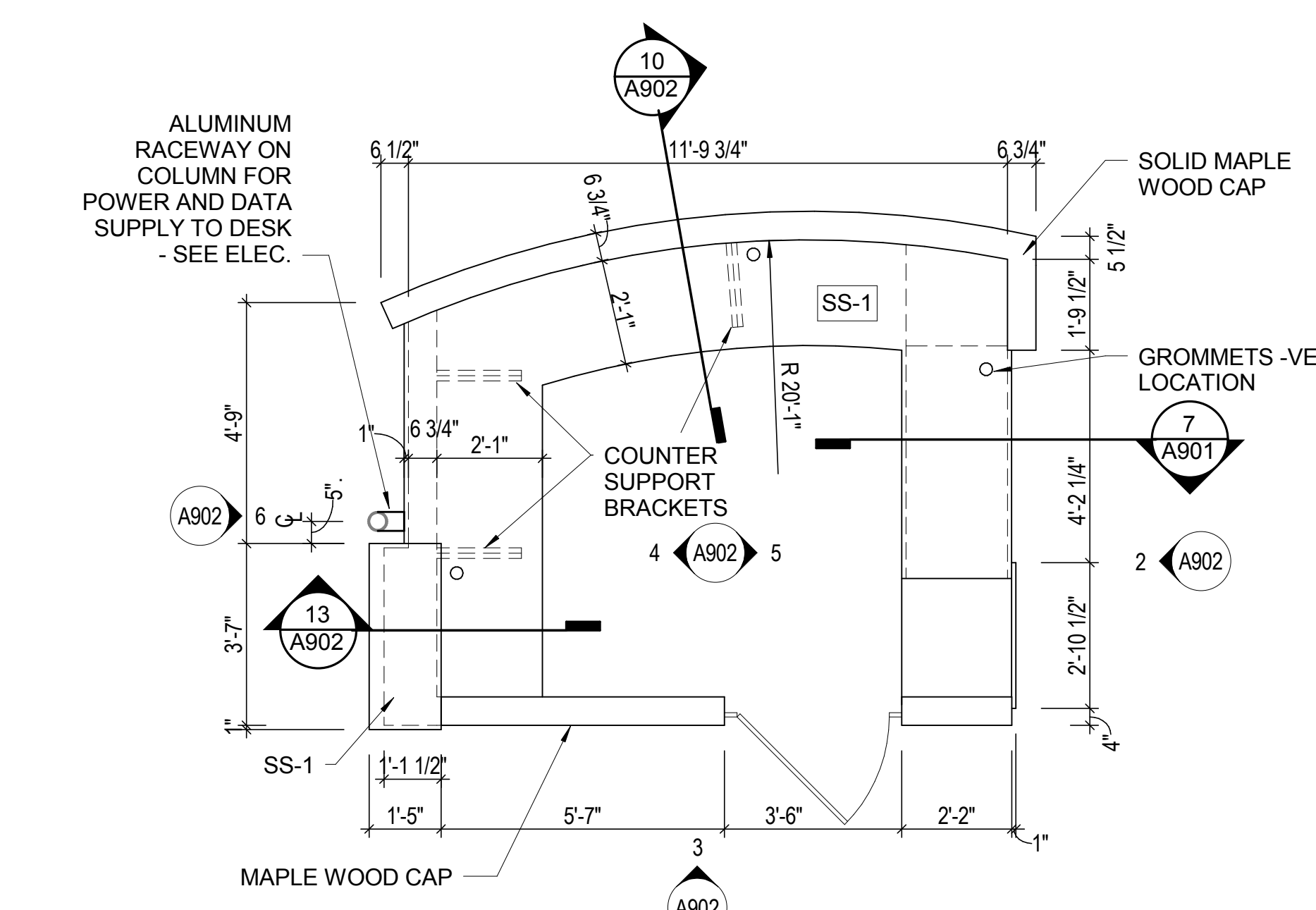
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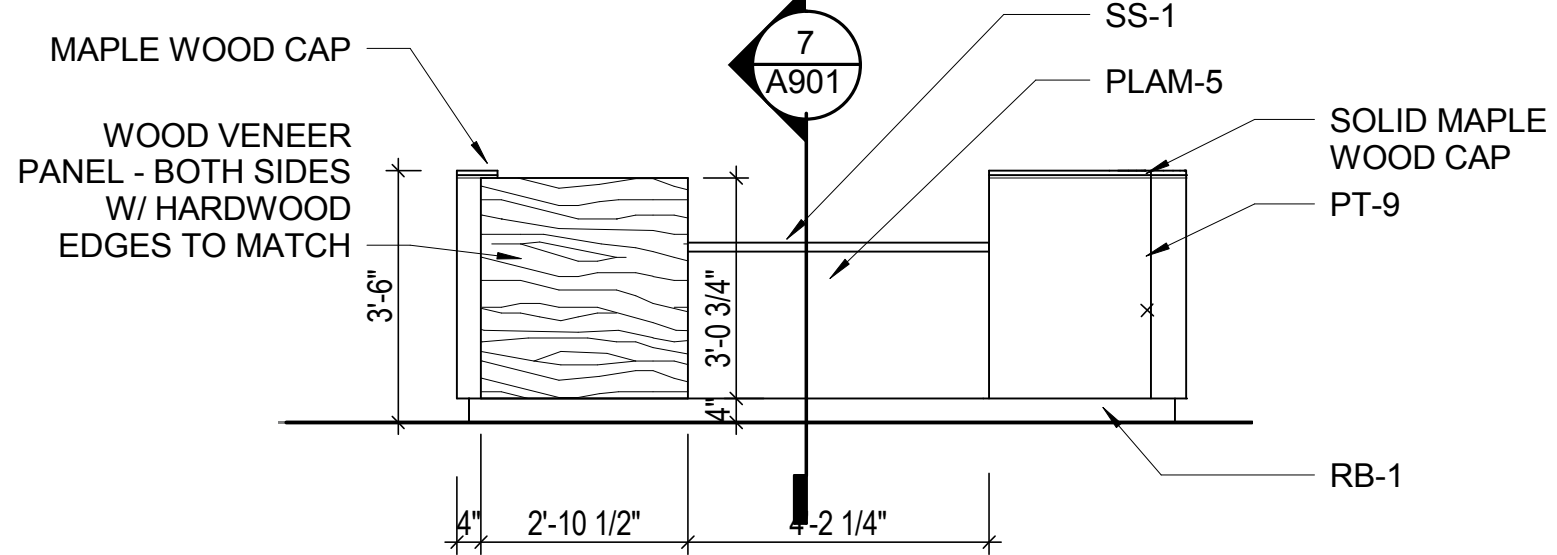
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MILLWORK
ELEVATIONS &
DETAILS

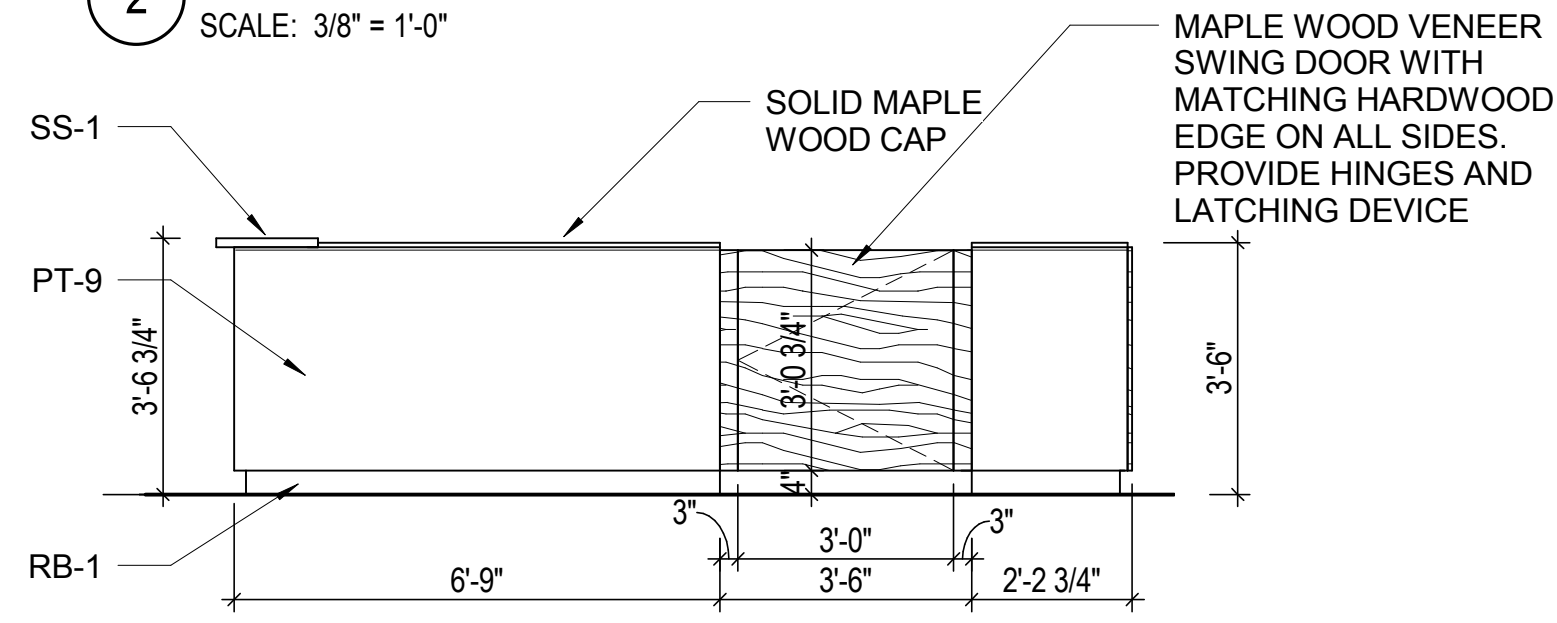
A902



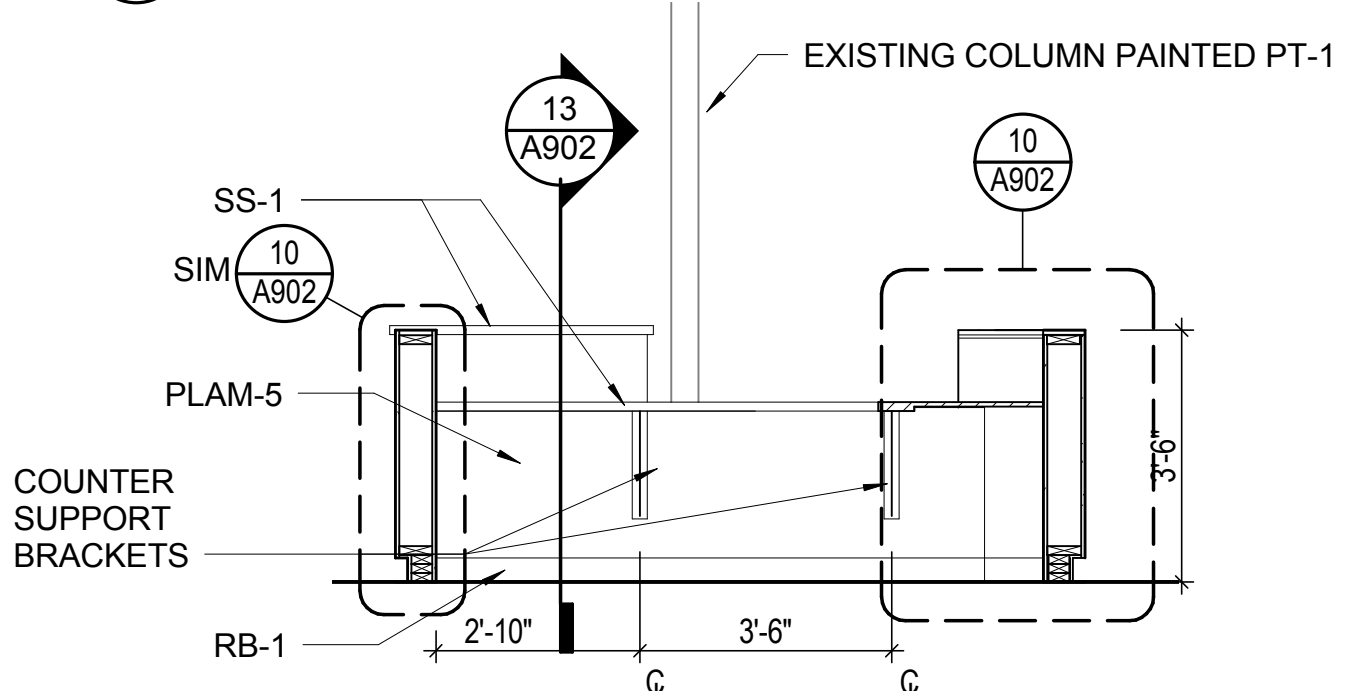
1 CONCIEGRE DESK ENLARGED PLAN
SCALE: 3/8" = 1'-0"



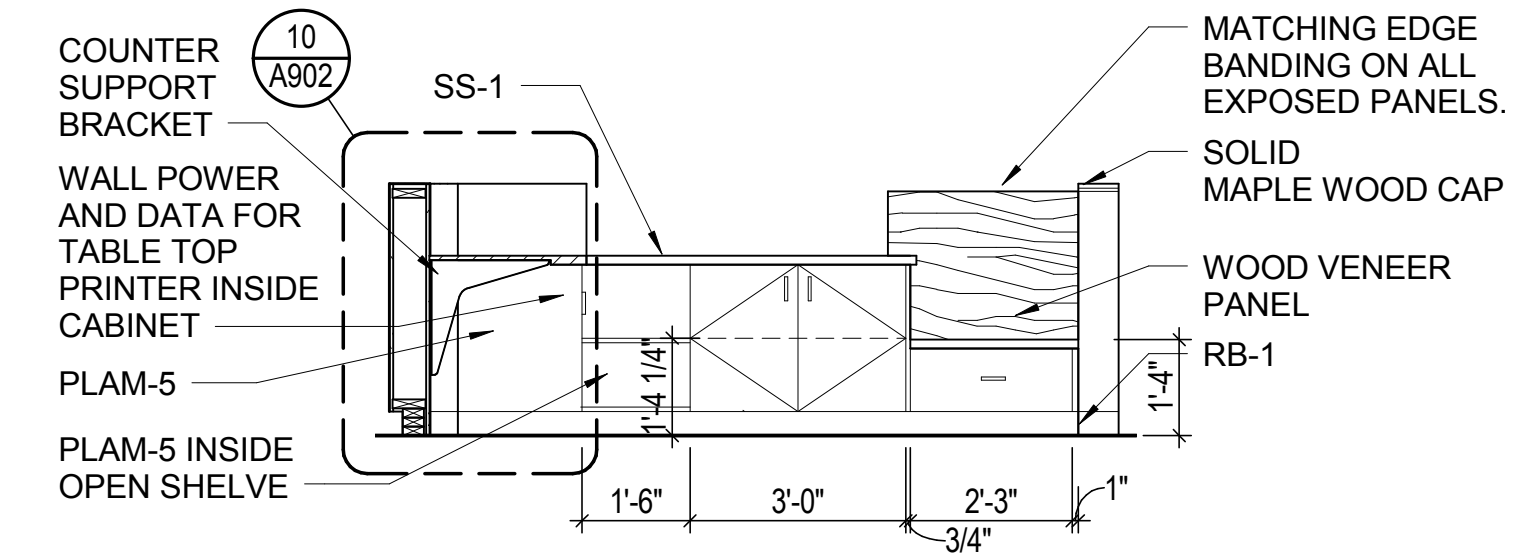
2 CONCIEGRE DESK ELEVATION WEST
SCALE: 3/8" = 1'-0"



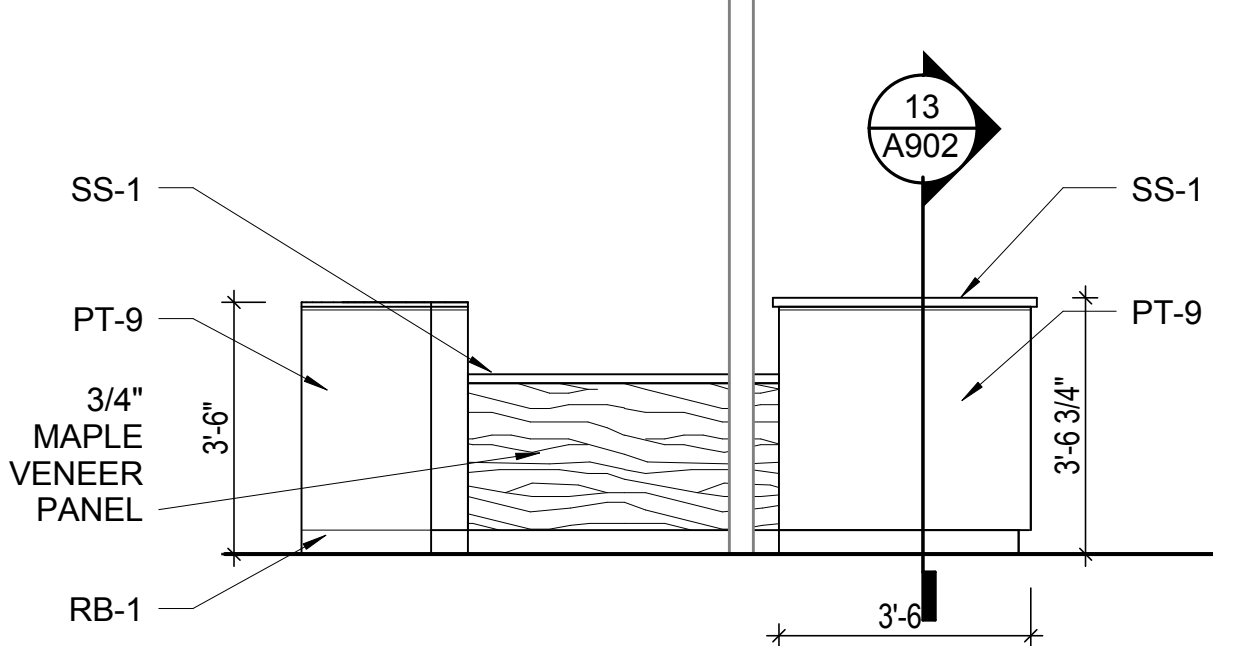
3 CONCIEGRE DESK ELEVATION EAST
SCALE: 3/8" = 1'-0"



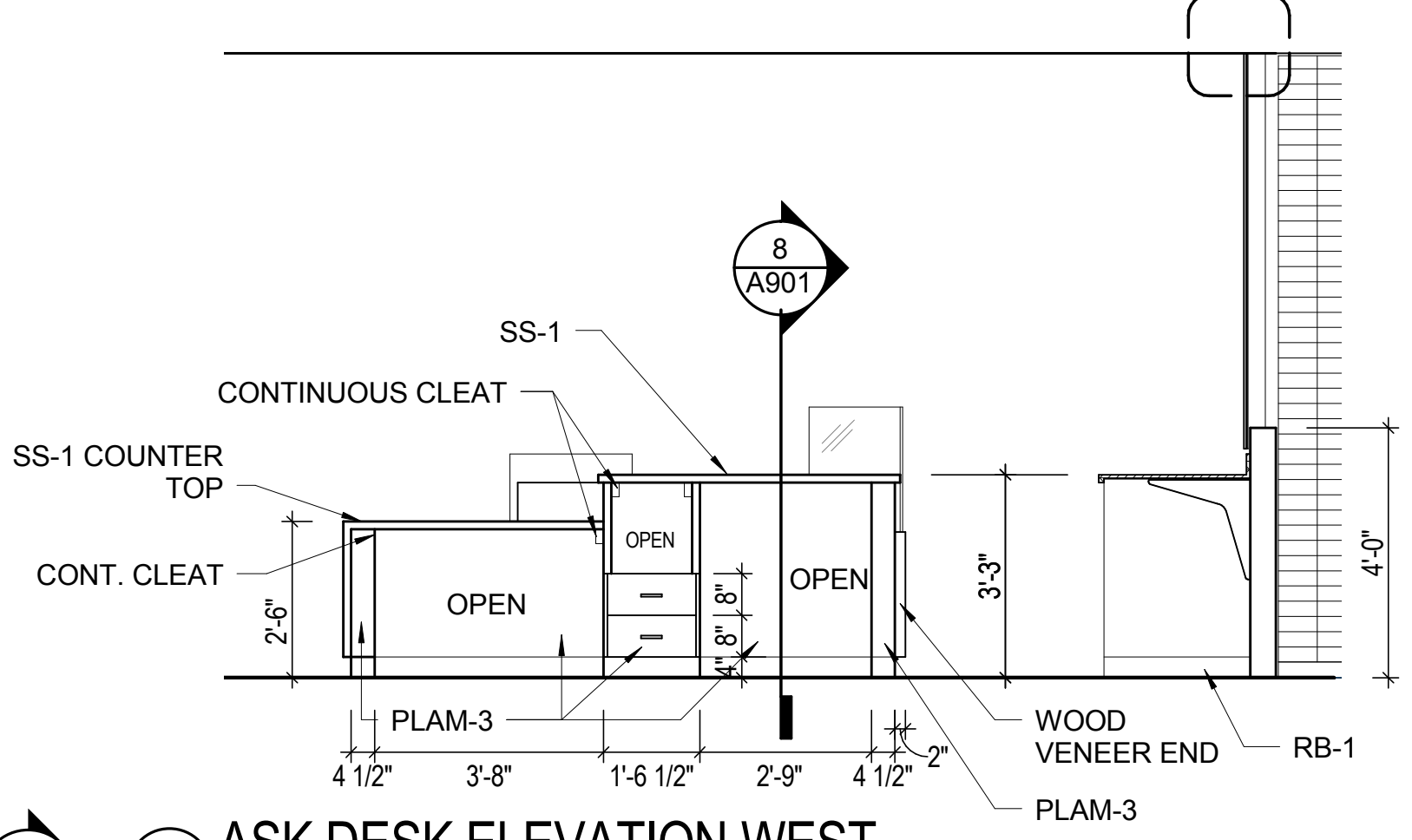
4 CONCIEGRE INT ELEVATION WEST
SCALE: 3/8" = 1'-0"



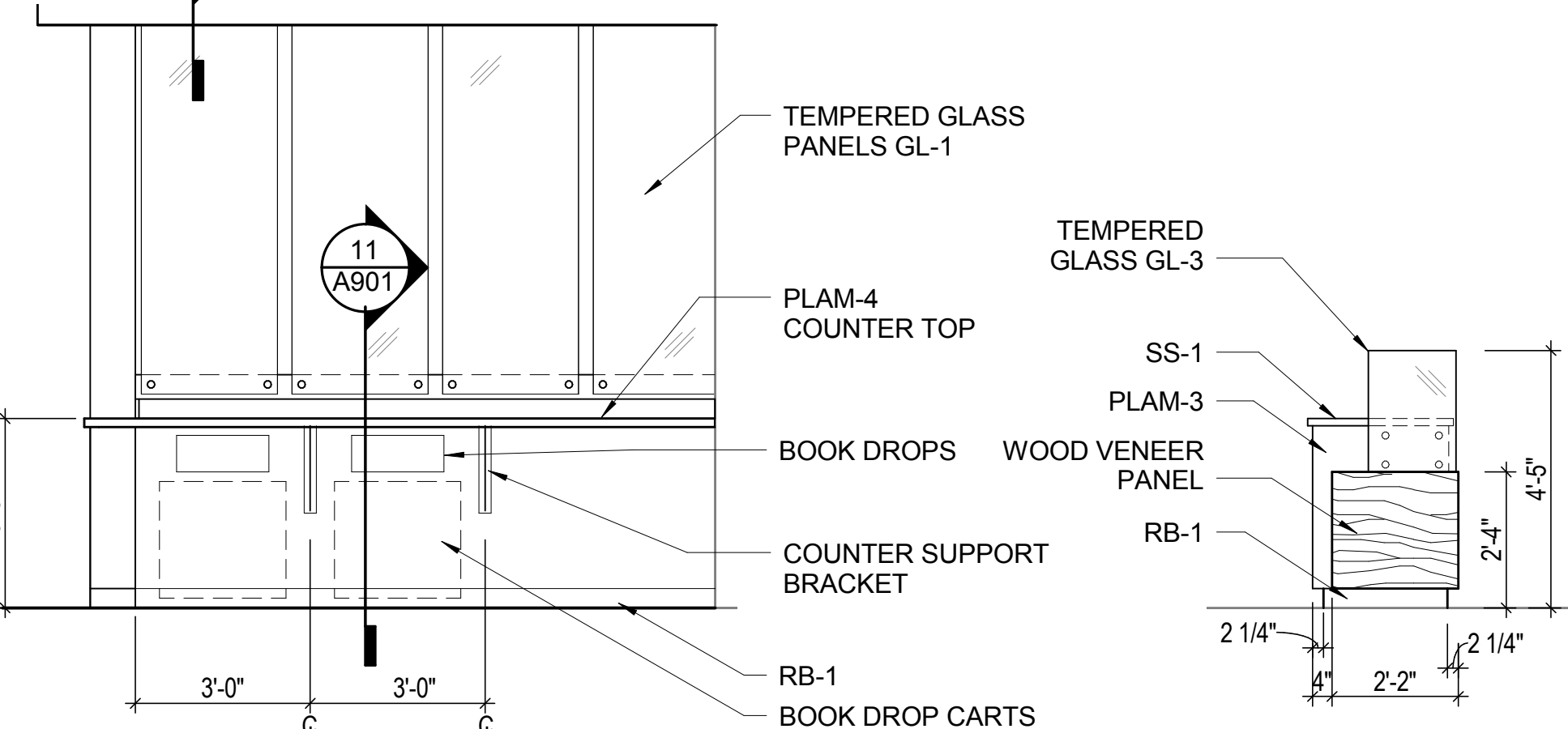
5 CONCIEGRE INT ELEVATION EAST
SCALE: 3/8" = 1'-0"



6 CONCIEGRE DESK ELEVATION WEST
SCALE: 3/8" = 1'-0"

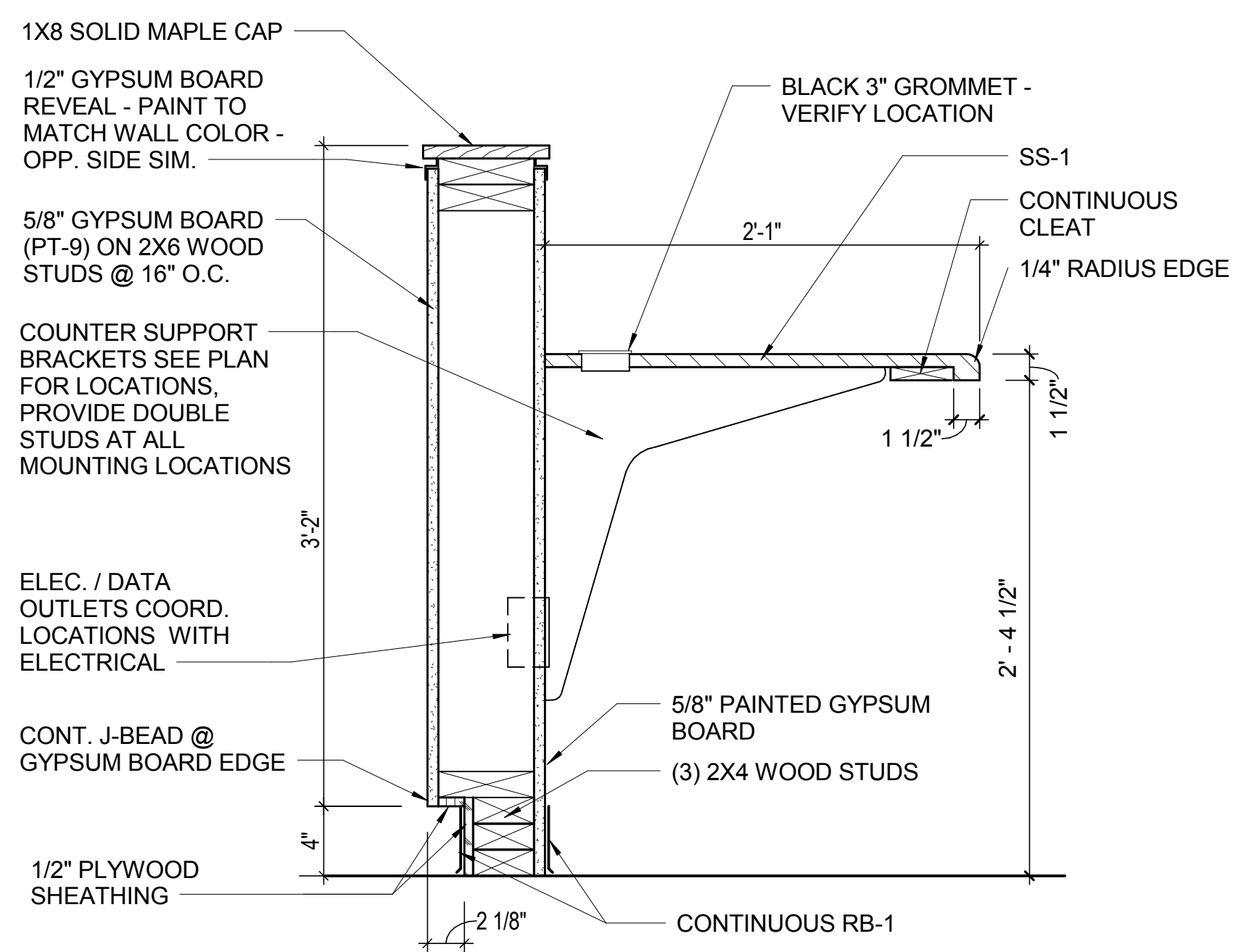


7 ASK DESK ELEVATION WEST
SCALE: 3/8" = 1'-0"

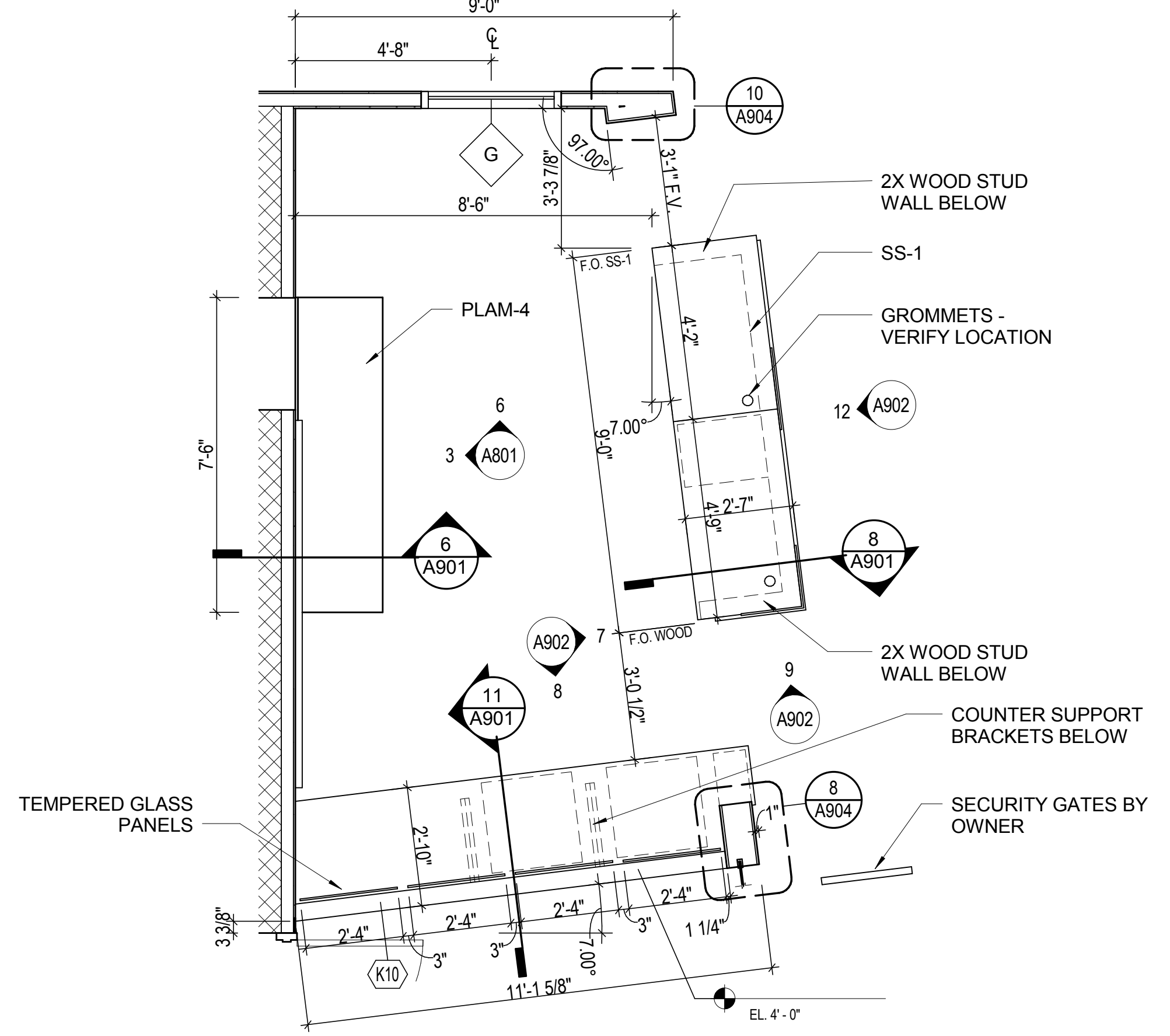


8 ASK DESK ELEVATION SOUTH
SCALE: 3/8" = 1'-0"

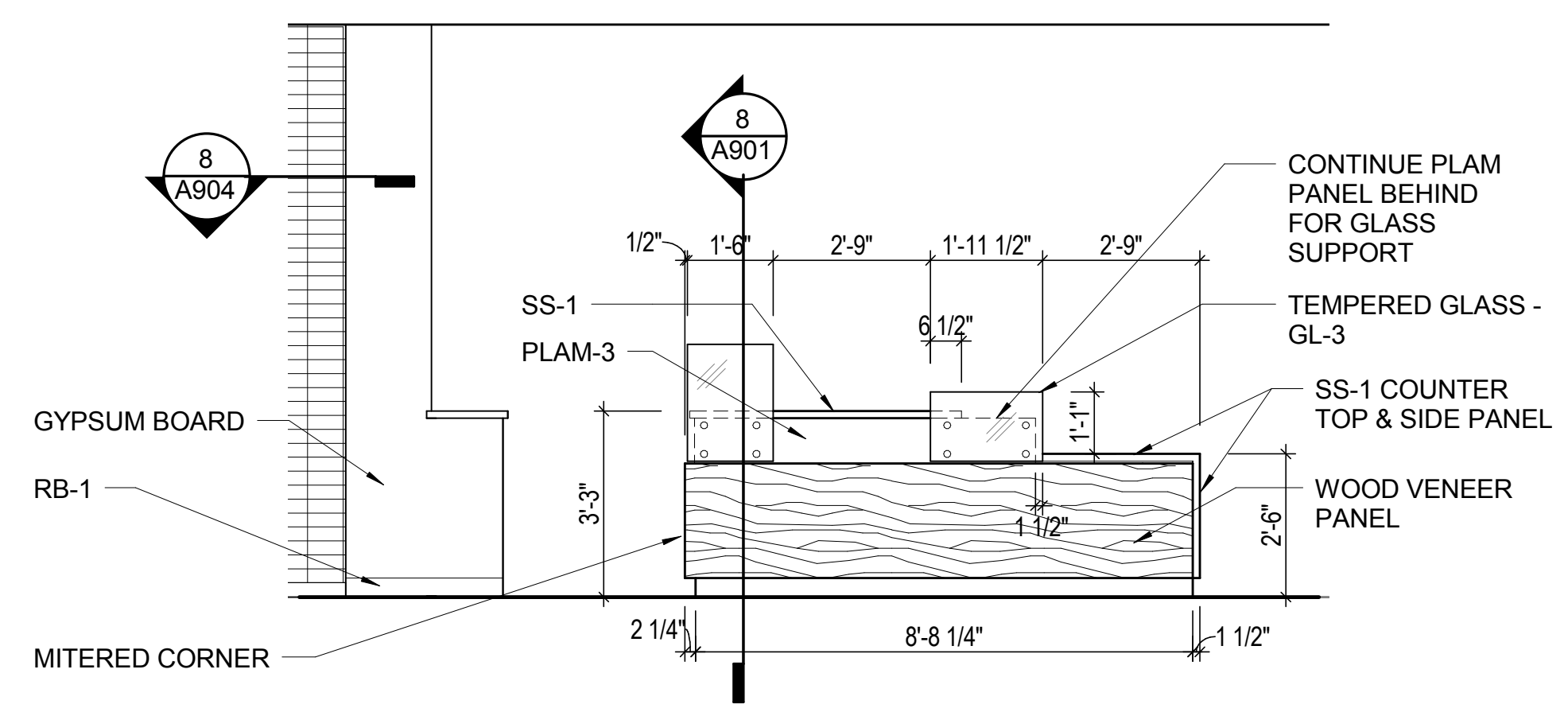
9 ASK DESK ELEVATION
SCALE: 3/8" = 1'-0"



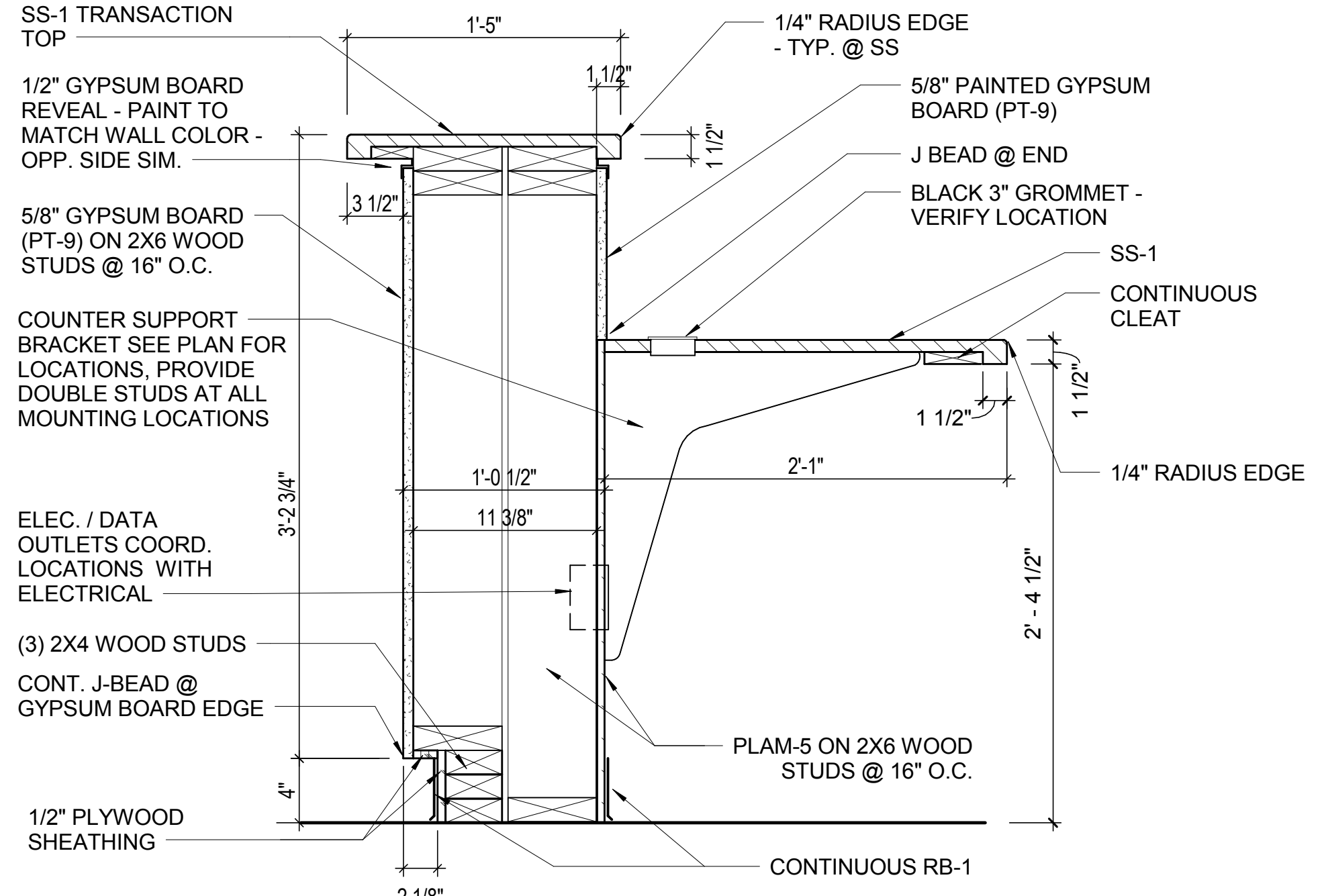
10 CONCIEGRE CASEWORK DETAIL
SCALE: 1 1/2" = 1'-0"



11 ENLARGED PLAN @ LIBRARY
SCALE: 3/8" = 1'-0"



12 ASK DESK ELEVATION EAST
SCALE: 3/8" = 1'-0"



13 CONCIEGRE CASEWORK DETAIL @ TRANSACTION
SCALE: 1 1/2" = 1'-0"

Meadowridge Branch Library
& Meadowood Neighborhood
Center

Madison, Wisconsin

Owner:
City of Madison
210 MLK Jr. Blvd
Madison, WI 53703-3342

PROJECT NUMBER 132273.00

SEAL

ISSUED FOR:
BIDDING 10-28-13

REVISION FOR:
NO. DESCRIPTION DATE

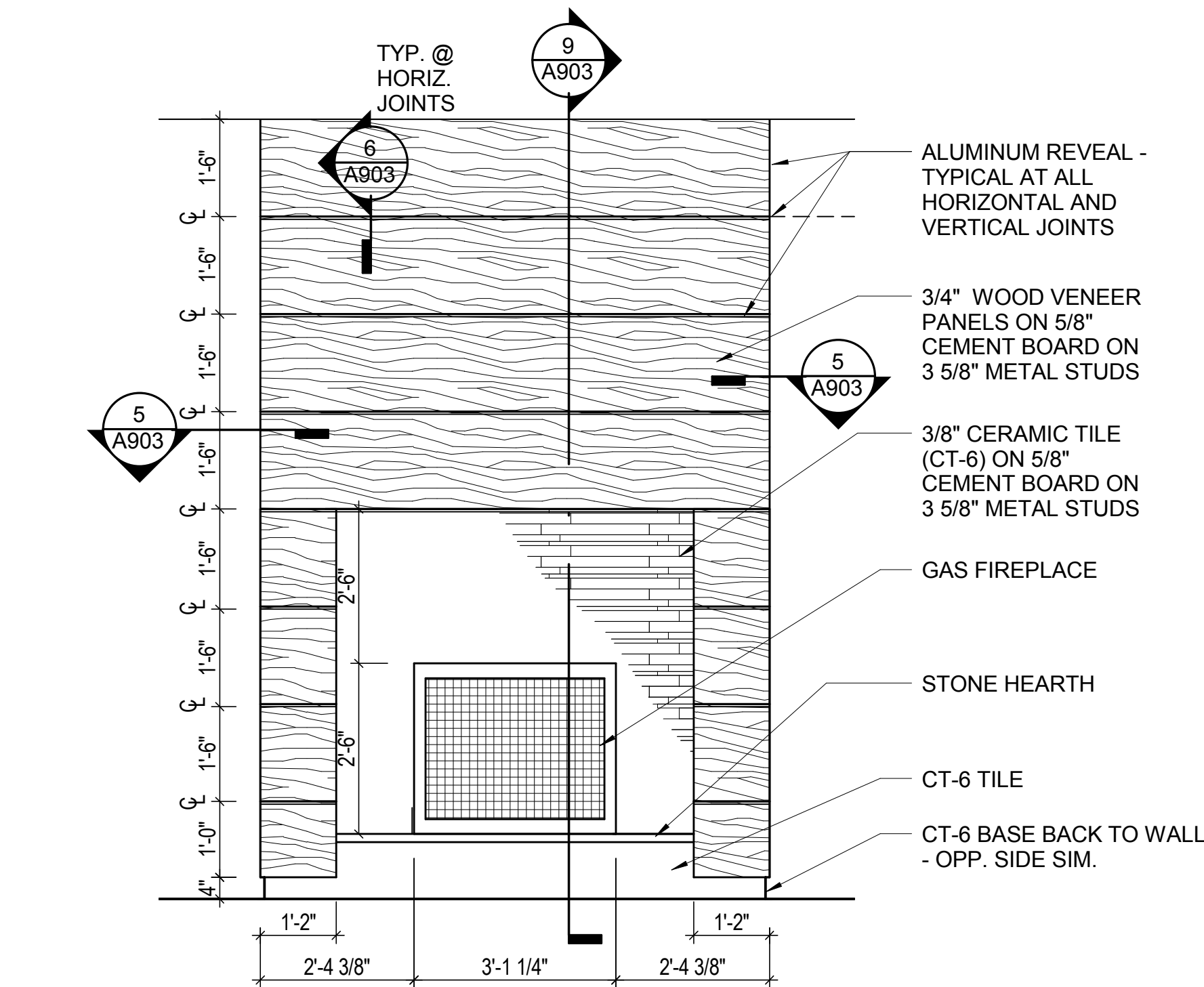
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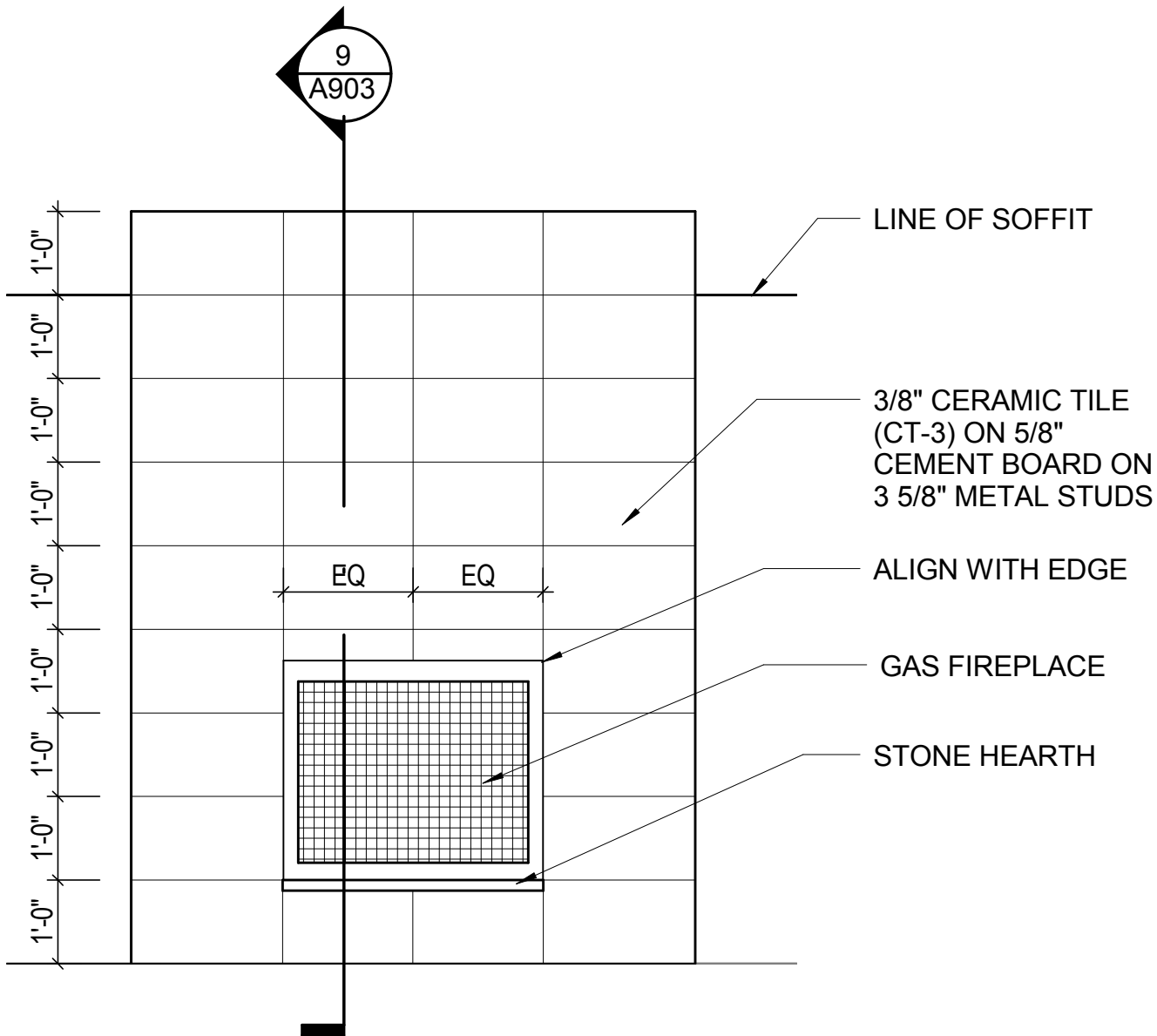
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FIREPLACE
ELEVATIONS,
SECTION &
DETAILS

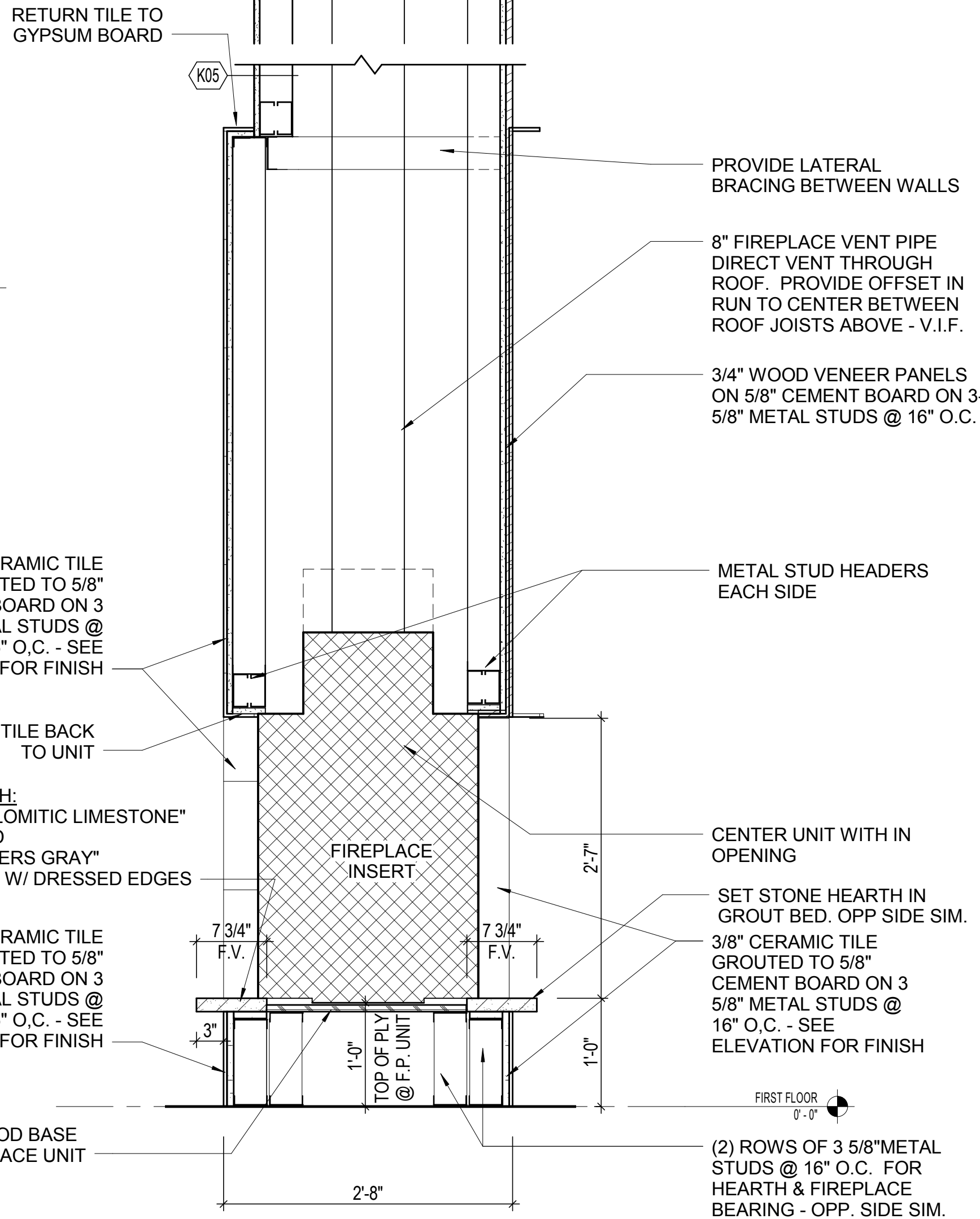
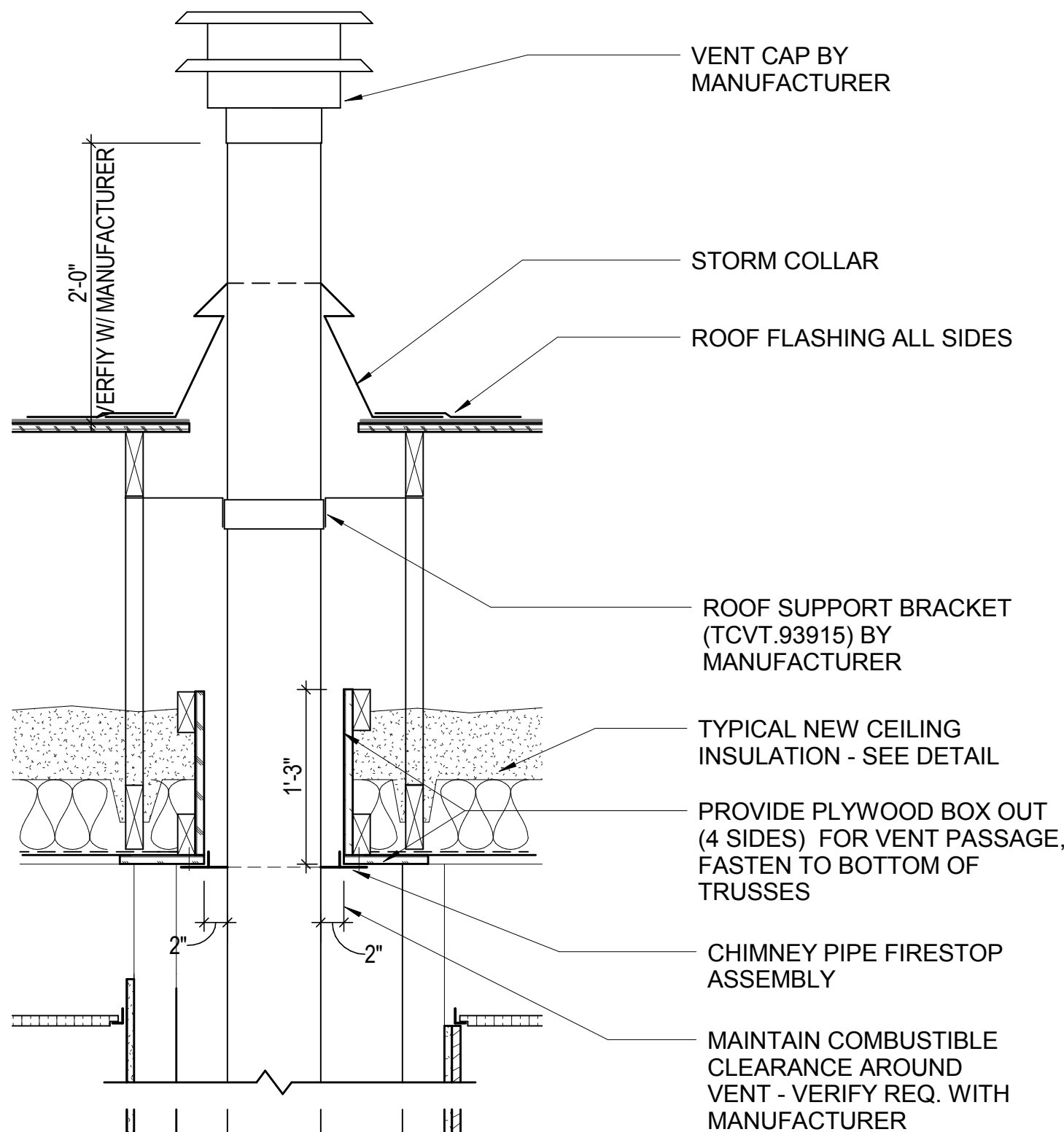
A903



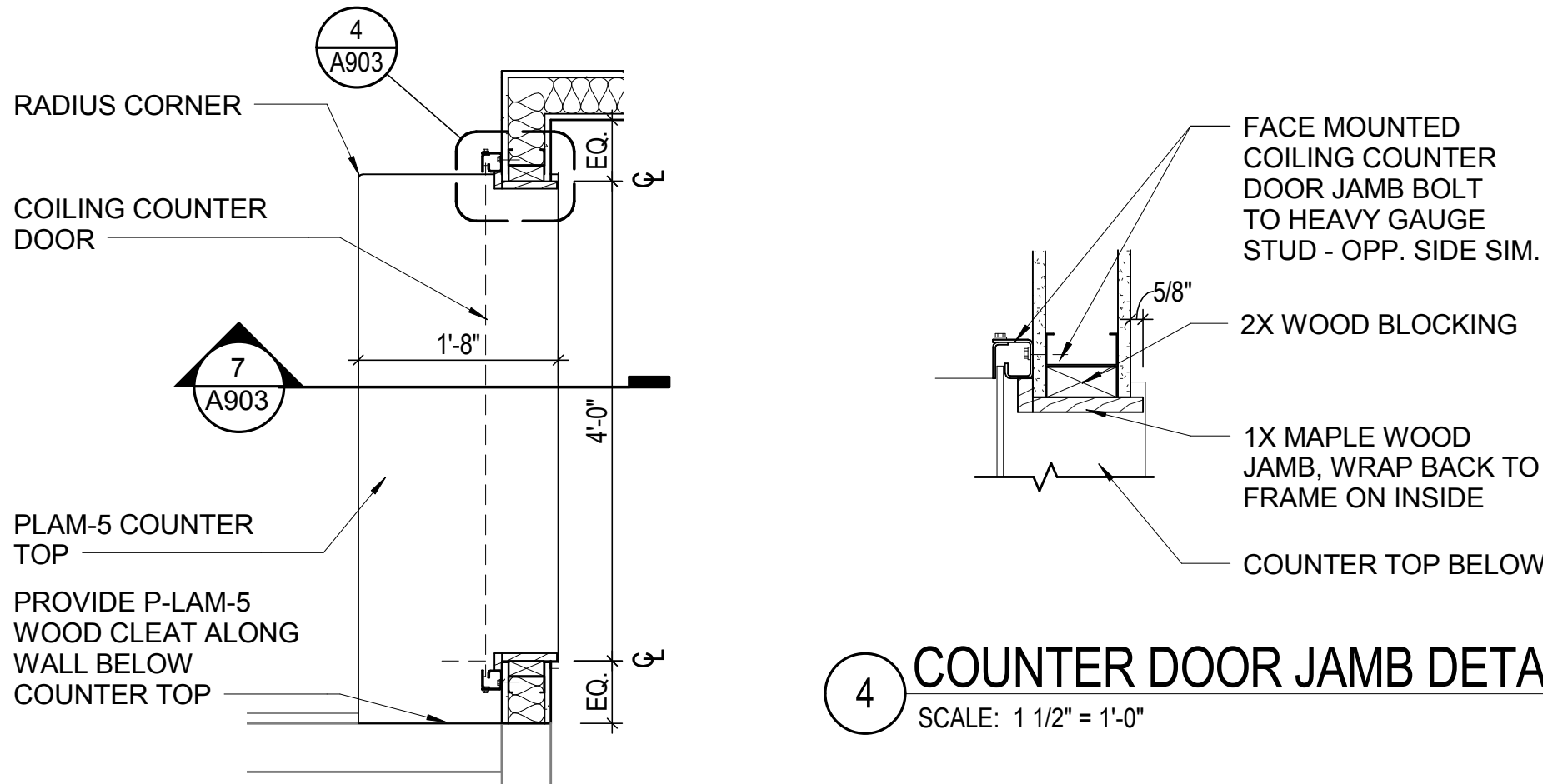
1 QUITE ROOM 103 NORTH
SCALE: 1/2" = 1'-0"



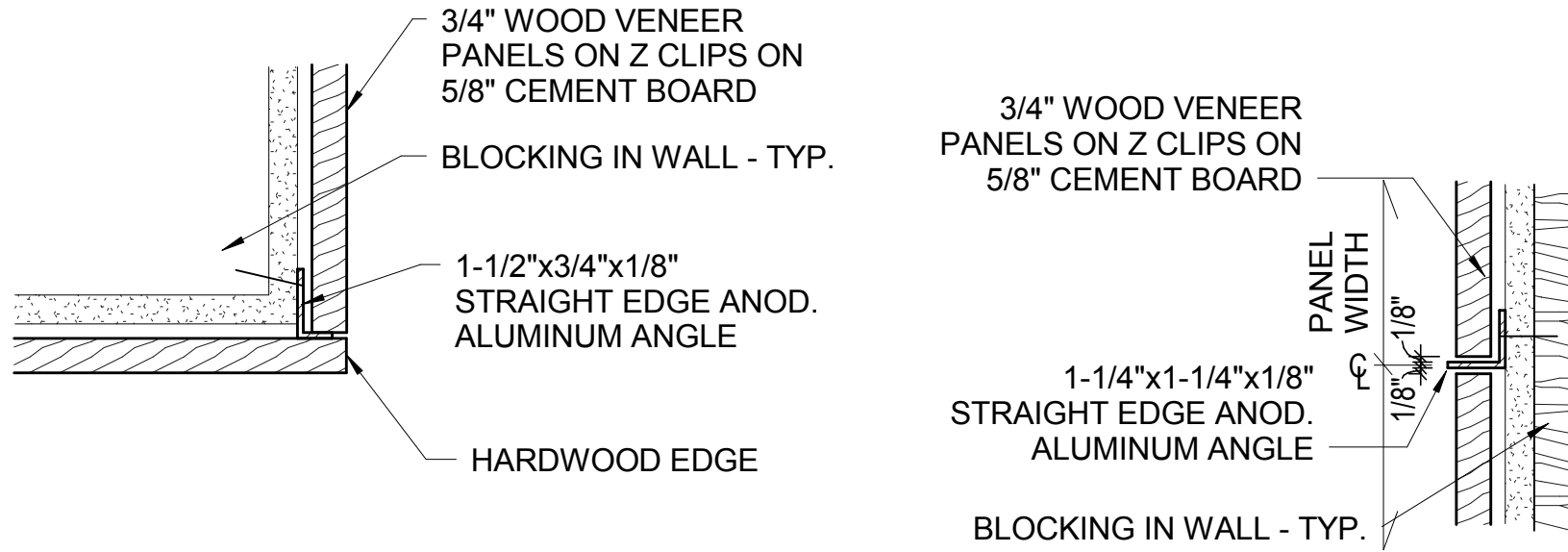
2 COLLECTIONS 102 SOUTH
SCALE: 1/2" = 1'-0"



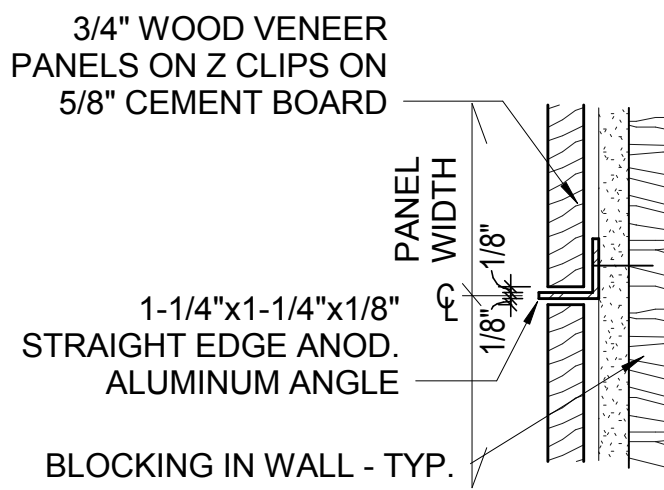
9 FIREPLACE SECTION
SCALE: 1" = 1'-0"



4 COUNTER DOOR JAMB DETAIL
SCALE: 1 1/2" = 1'-0"

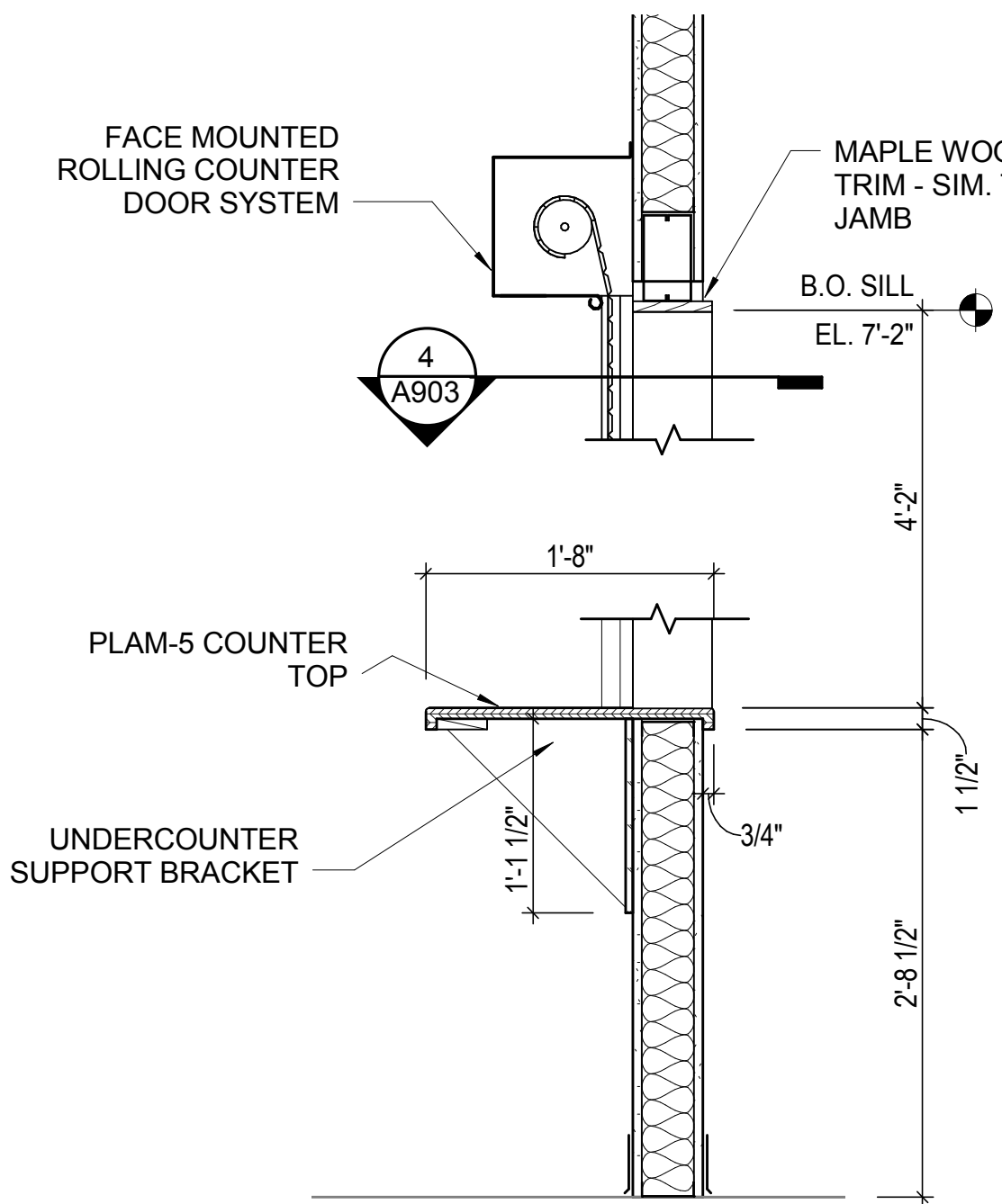


5 VERTICAL JOINT DETAIL
SCALE: 3" = 1'-0"

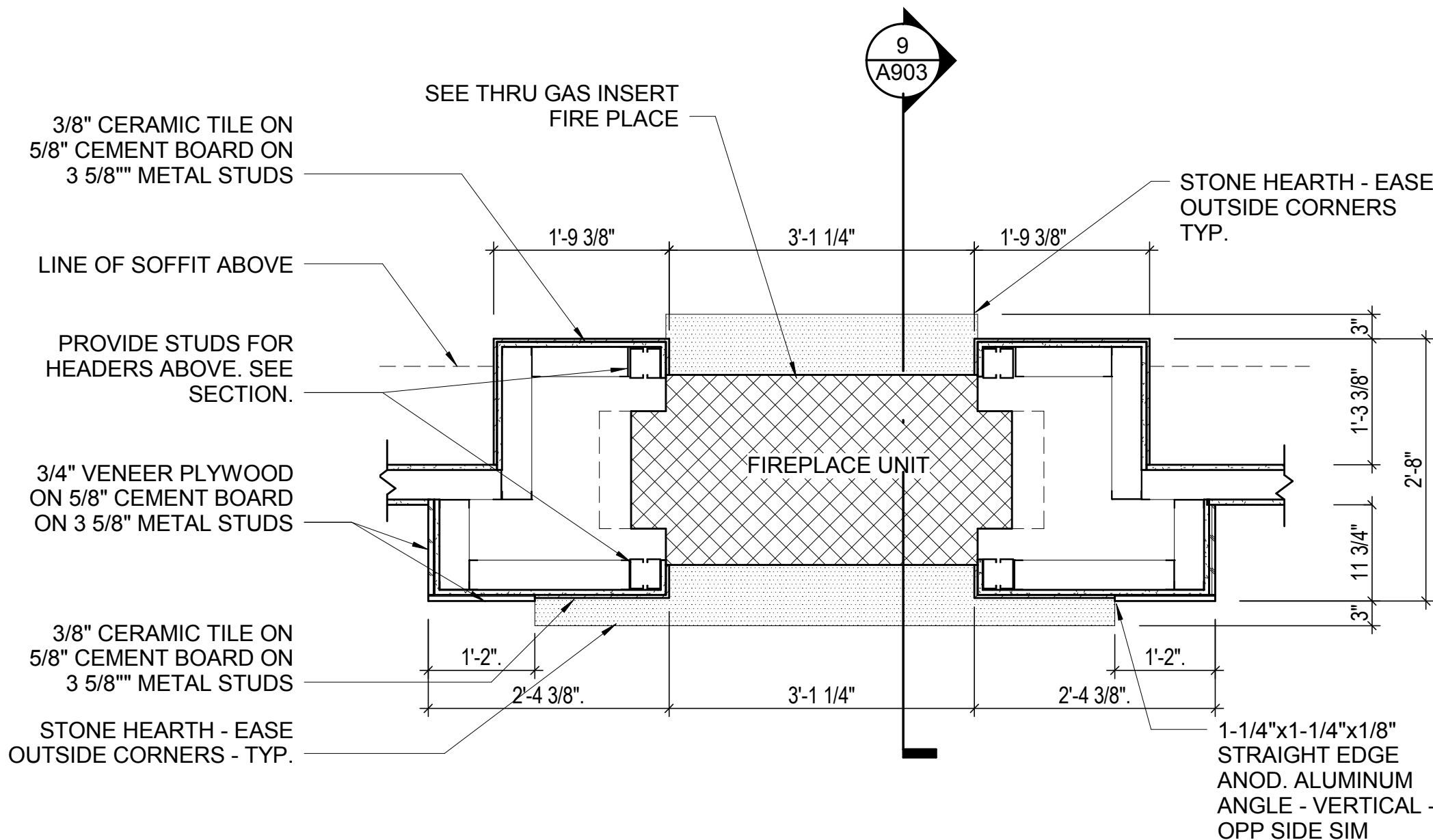


6 HORIZONTAL JOINT DETAIL
SCALE: 3" = 1'-0"

3 PANTRY 207 CASEWORK PLAN DETAIL
SCALE: 3/4" = 1'-0"



7 PANTRY 207 CASEWORK SECTION DETAIL
SCALE: 1" = 1'-0"



8 PLAN DETAIL @ FIREPLACE
SCALE: 3/4" = 1'-0"

Meadowridge Branch Library
& Meadowood Neighborhood
Center

Madison, Wisconsin

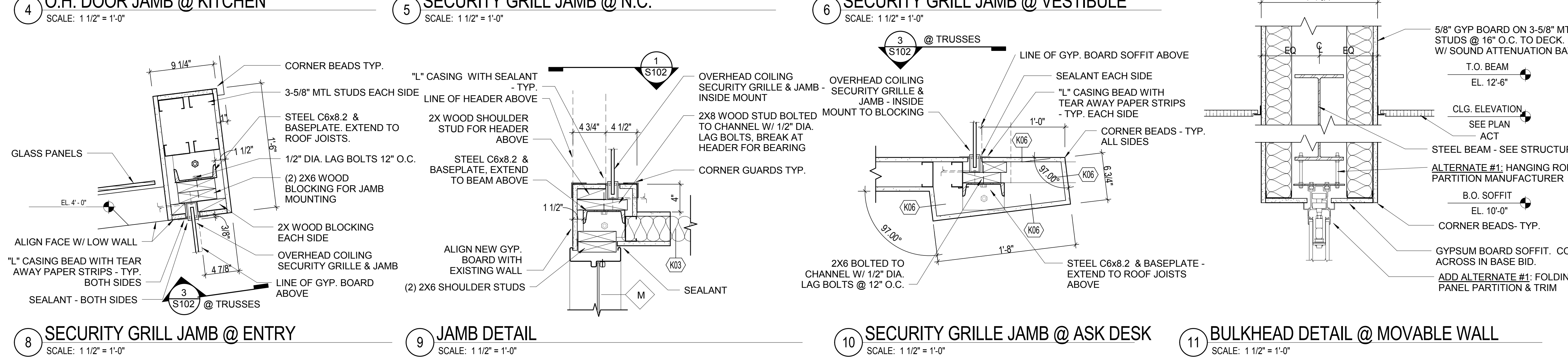
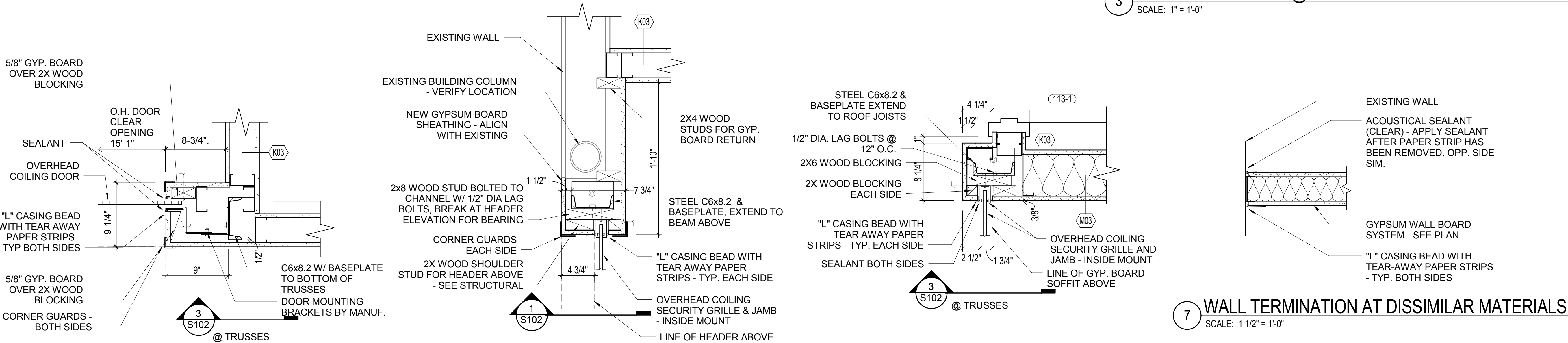
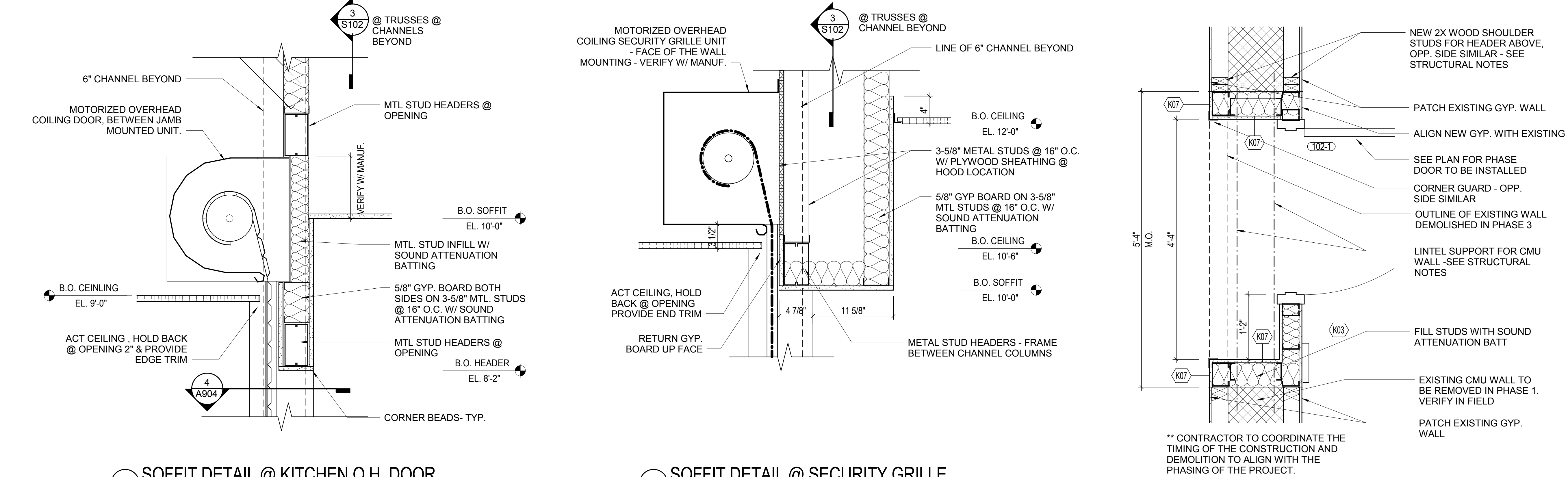
Owner:
City of Madison
210 MLK Jr. Blvd
Madison, WI 53703-3342

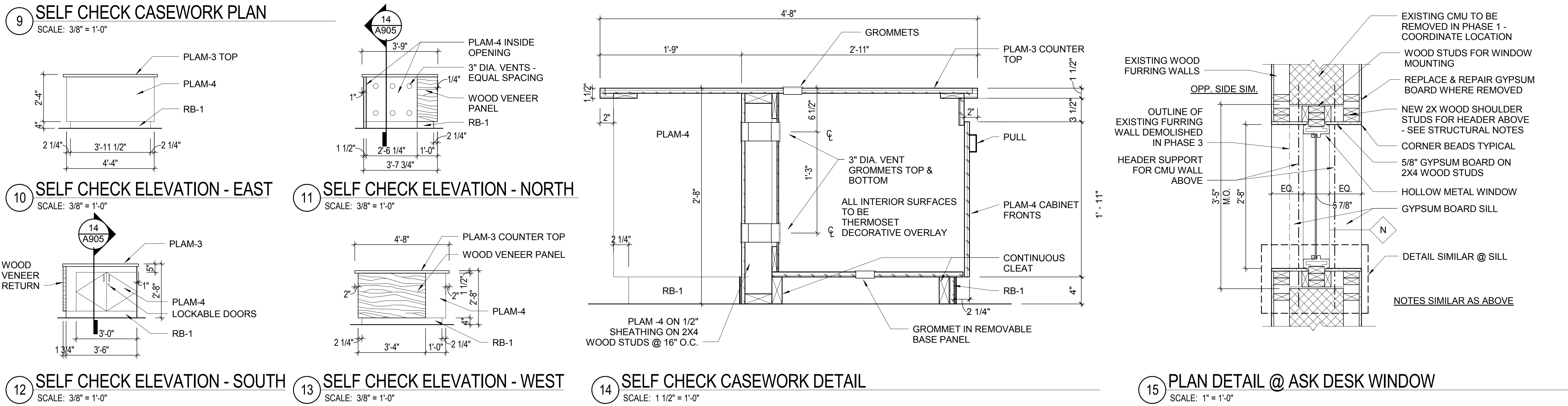
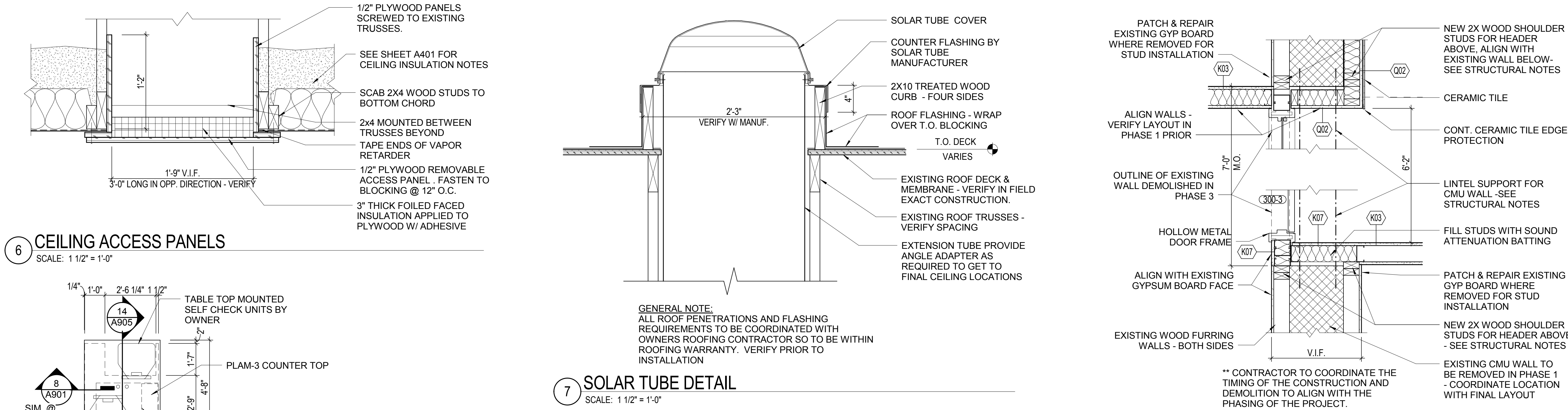
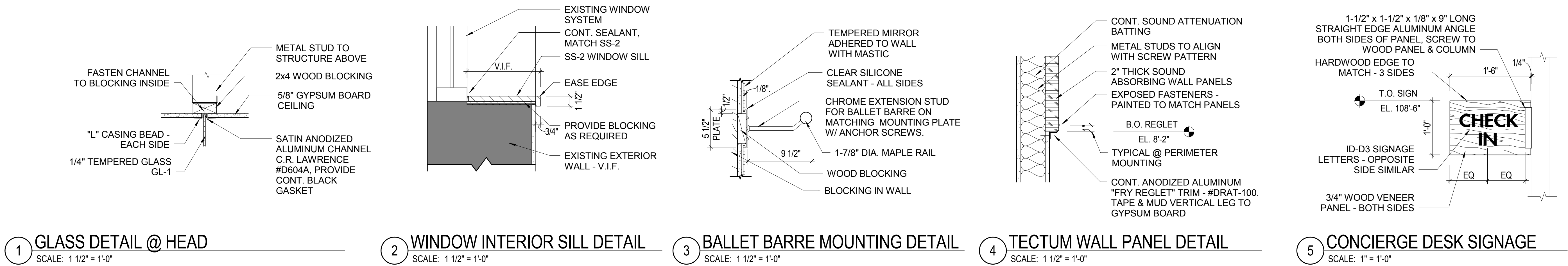
PROJECT NUMBER 132273.00

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DETAILS





Meadowridge Branch Library
& Meadowood Neighborhood
Center

Madison, Wisconsin

Owner:
City of Madison
210 MLK Jr. Blvd
Madison, WI 53703-3342

PROJECT NUMBER 132273.00

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ISSUED FOR:		
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REVISION FOR:		
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DETAILS

A905

Madison, Wisconsin

PROJECT NUMBER	132273.00
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SEAL

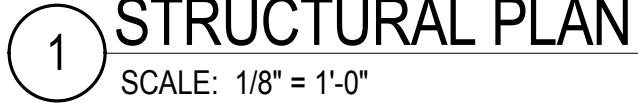
REVISION FOR:

NO.	DESCRIPTION	DATE
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DRAWN BY MZ

CHECKED BY AR

S101



DESIGN CODE:
2011 WISCONSIN COMMERCIAL BUILDING CODE

WIND LOAD INFORMATION:

BASIC WIND SPEED	90 MPH
BUILDING OCCUPANCY CATEGORY	II
WIND LOAD IMPORTANCE FACTOR (Iw)	1.0
WIND EXPOSURE	C
INTERNAL PRESSURE COEFFICIENTS	± .18

SNOW LOAD INFORMATION:

GROUND SNOW LOAD (Pa)	30 psf
SNOW EXPOSURE FACTOR (Ce)	1.00
SNOW LOAD IMPORTANCE FACTOR (Is)	1.00
THERMAL FACTOR (Ct)	1.00
FLAT ROOF SNOW LOAD (Pf)	30 psf MINIMUM

CIP CONCRETE STRENGTHS:

SPREAD FOOTINGS $f'_c = 3000$ psi
EXTERIOR SLAB ON GRADE $f'_c = 4500$ psi

REINFORCING STEEL STRENGTHS:

BARS (ASTM A 615, grade 60) $f_y = 60,000$ psi

STRUCTURAL MASONRY STRENGTHS:

ASTM C 90, grade N (CMU)	f _m = 1900 psi
MORTAR (ASTM C 270):	
TYPE M (BELOW GRADE)	f _u = 2500 psi
TYPE S (ABOVE GRADE)	f _u = 1800 psi
GROUT (ASTM C 476):	
BOND BEAMS (pea gravel)	f _c = 3000 psi
MASONRY WALLS AND PIERS (pea gravel)	f _c = 3000 psi

STRUCTURAL STEEL STRENGTHS:

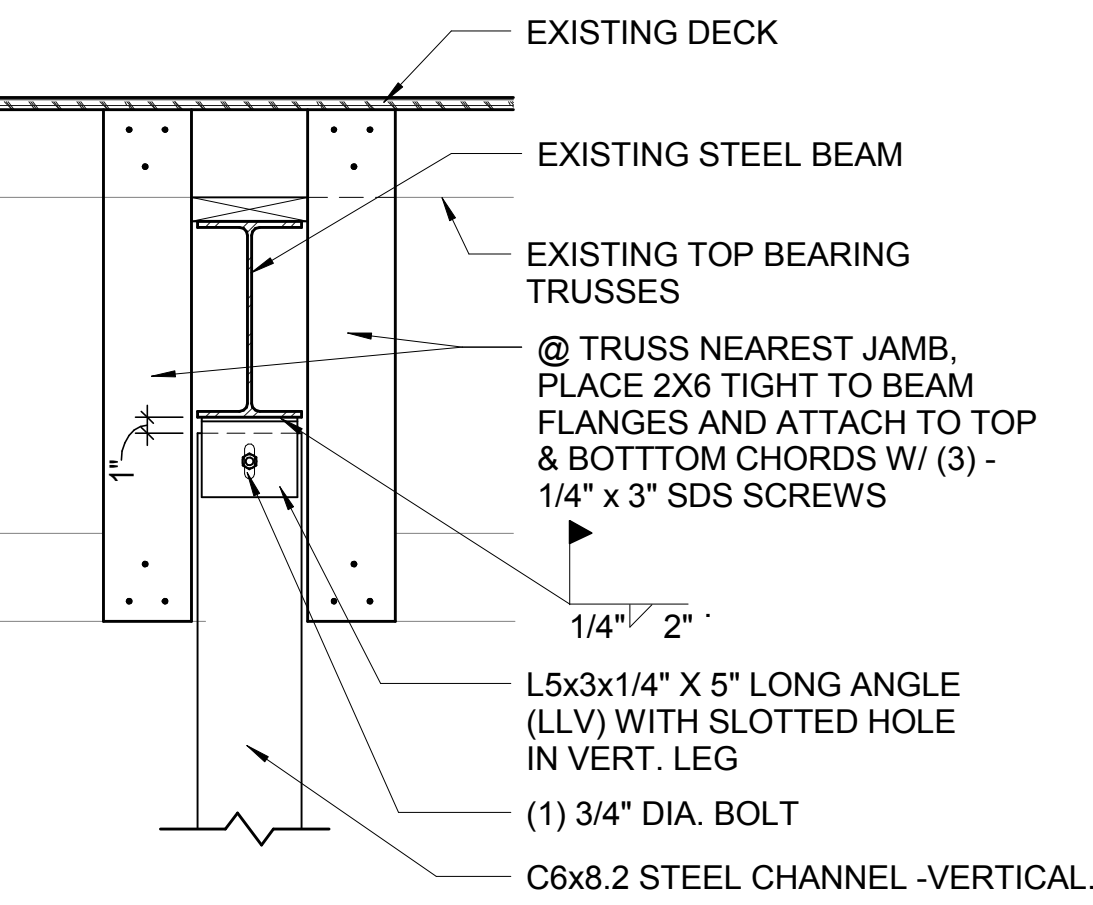
WF SHAPES (ASTM A992)	Fy = 50,000 psi
ANGLES, CHANNELS, PLATES, & BARS (ASTM A36)	Fy = 36,000 psi
SQUARE & RECTANGULAR TS OR HSS SECTIONS	Fy = 46,000 psi (ASTM A500, GRADE B)
HIGH STRENGTH BOLTS (ASTM A325)	
WELD ELECTRODES	E70XX

WOOD STRENGTHS:

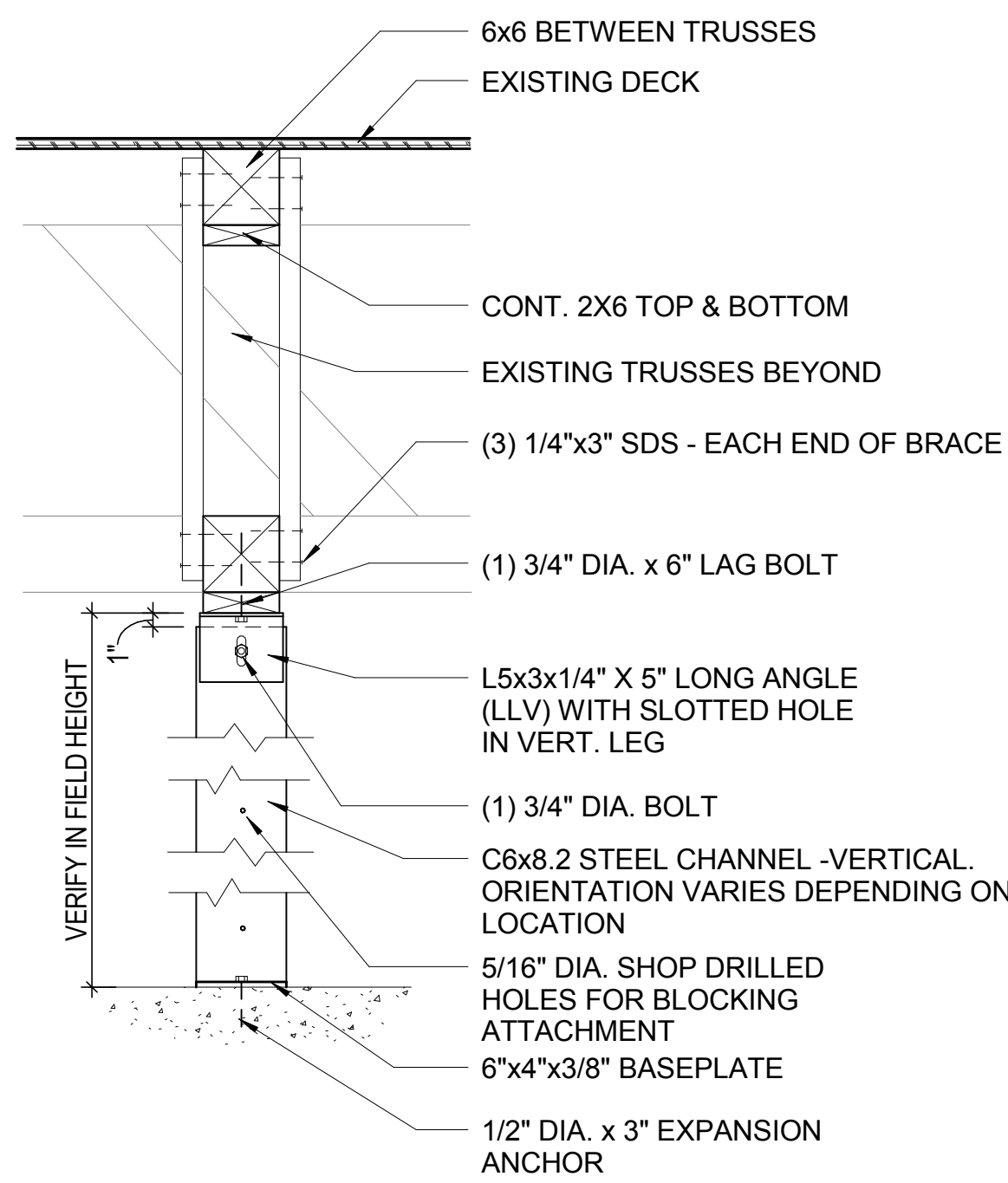
DIMENSIONAL LUMBER (SEE PLANS & WOOD FRAMING NOTES)
LAMINATED VENEER LUMBER, (LVL):

E = 1,900 ksi
Fb = 2,600 psi
Fv = 285 psi
Fc(perp) = 750 psi
Fc(para) = 2,510 psi

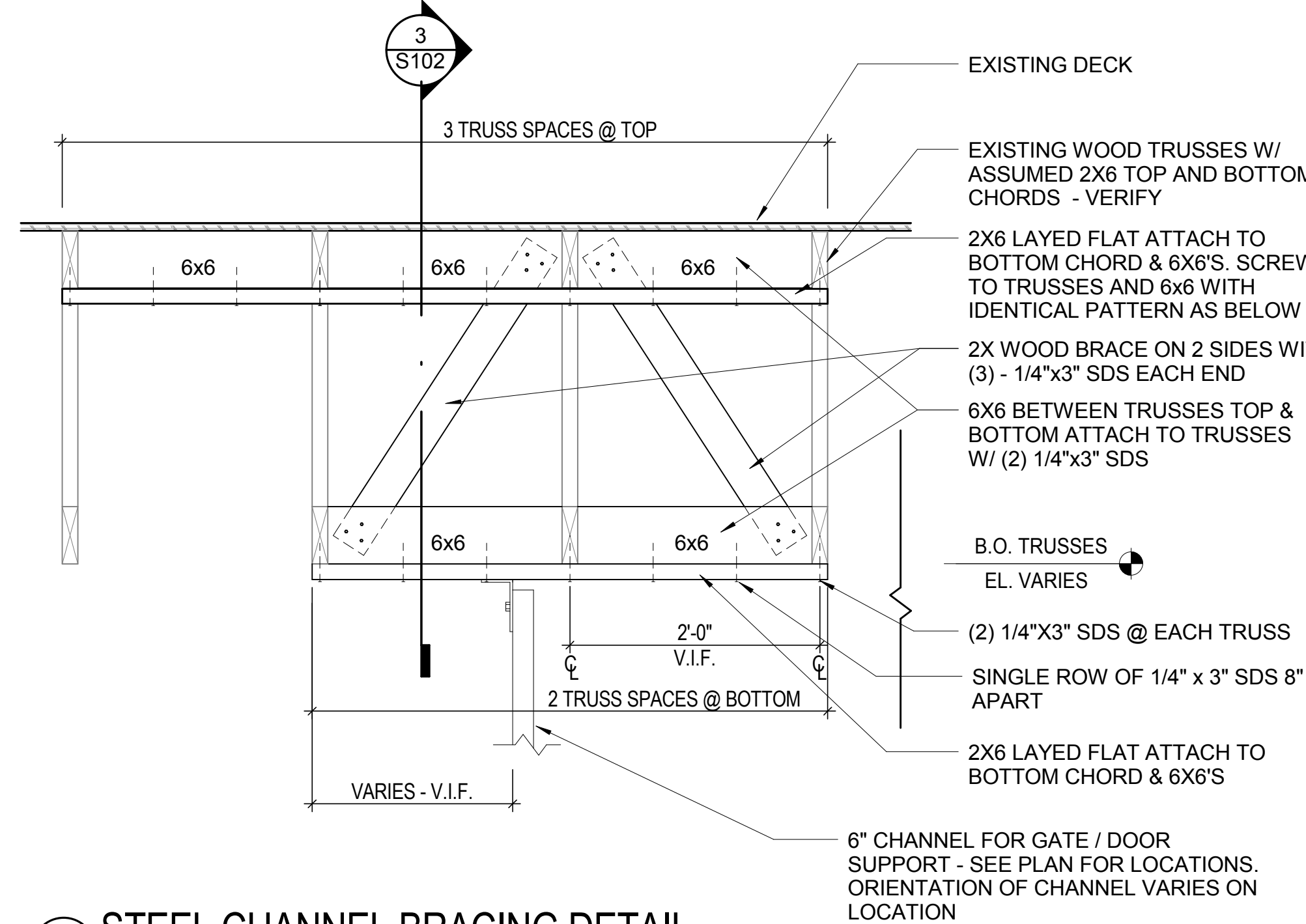
1. FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM WITH THE AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION), "MANUAL OF STEEL CONSTRUCTION", LATEST EDITION.
2. USE A325N BOLTS UNLESS NOTED OTHERWISE.
3. CUTS, HOLES, COPING, ETC. REQUIRED FOR WORK OF OTHER TRADES SHALL BE SHOWN ON THE SHOP DRAWINGS AND MADE IN THE SHOP. CUTS OR BURNING OF HOLES IN STRUCTURAL STEEL MEMBERS IN THE FIELD WILL NOT BE PERMITTED.
4. PROVIDE ANY NECESSARY TEMPORARY BRACING OR GUYS TO PROVIDE LATERAL SUPPORT OF THE FRAMING UNTIL ALL PERMANENT CONNECTIONS ARE MADE.
5. STRUCTURAL STEEL FRAMING SHALL BE TRUE AND PLUMB BEFORE CONNECTIONS ARE FINALLY BOLTED OR WELDED.
6. WORKMANSHIP AND TECHNIQUE FOR WELDING, INSPECTION OF WELDING, AND QUALIFICATIONS OF WELDING OPERATORS SHALL CONFORM TO THE REQUIREMENTS OF THE SPECIFICATIONS LISTED IN IBC SECTIONS 2205, 2206, 2207, 2209 AND 2210.
7. GC SHALL FIELD VERIFY EXISTING DIMENSIONS, TOP OF STEEL, AND OTHER CONDITIONS NECESSARY FOR SHOP FABRICATION OF STEEL TO THE GREATEST EXTENT POSSIBLE.



1 STEEL CHANNEL BRACING @ EXISTING BEAM
SCALE: 1" = 1'-0"

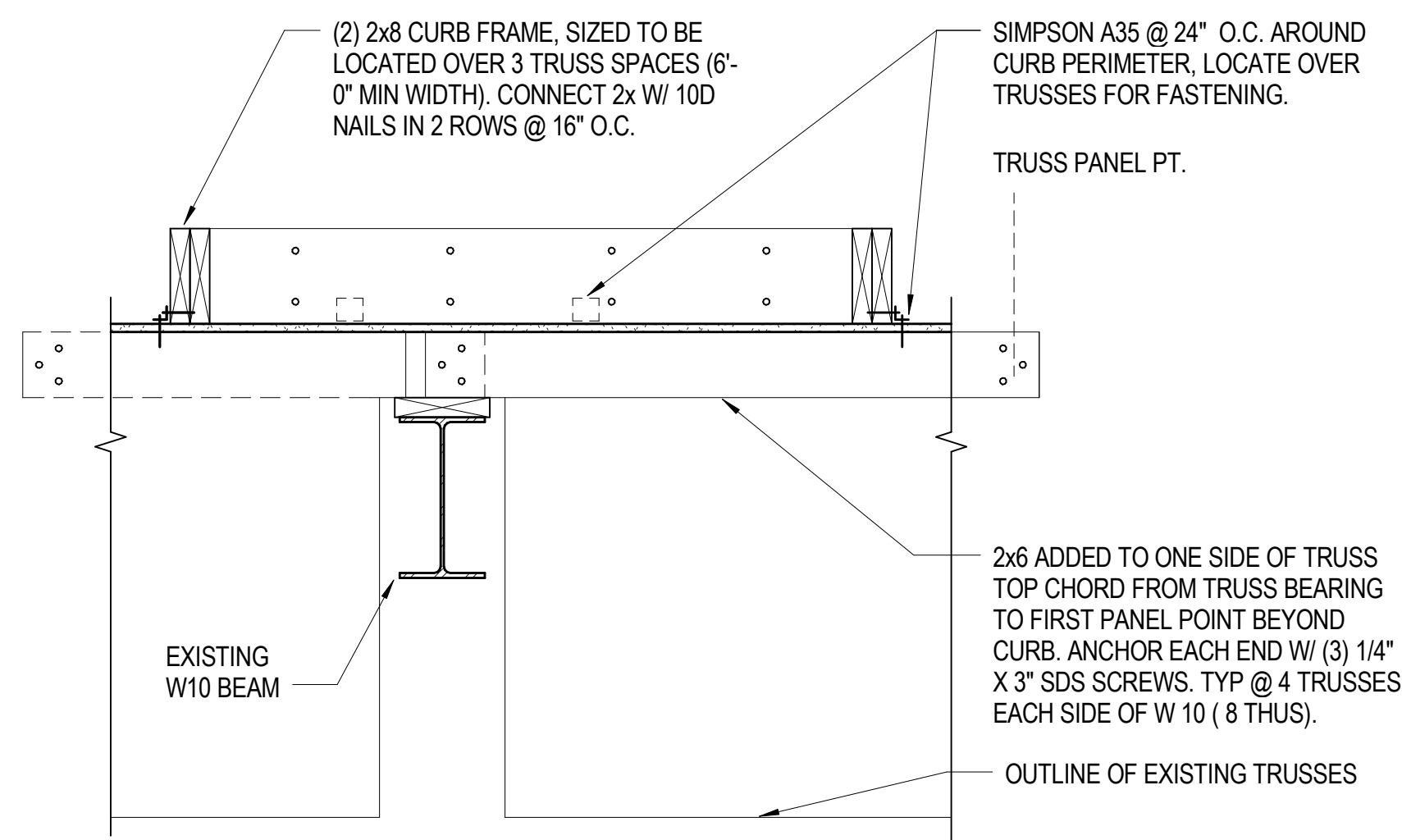


2 BEARING DETAIL FOR BEAM @ WALL
SCALE: 3/4" = 1'-0"

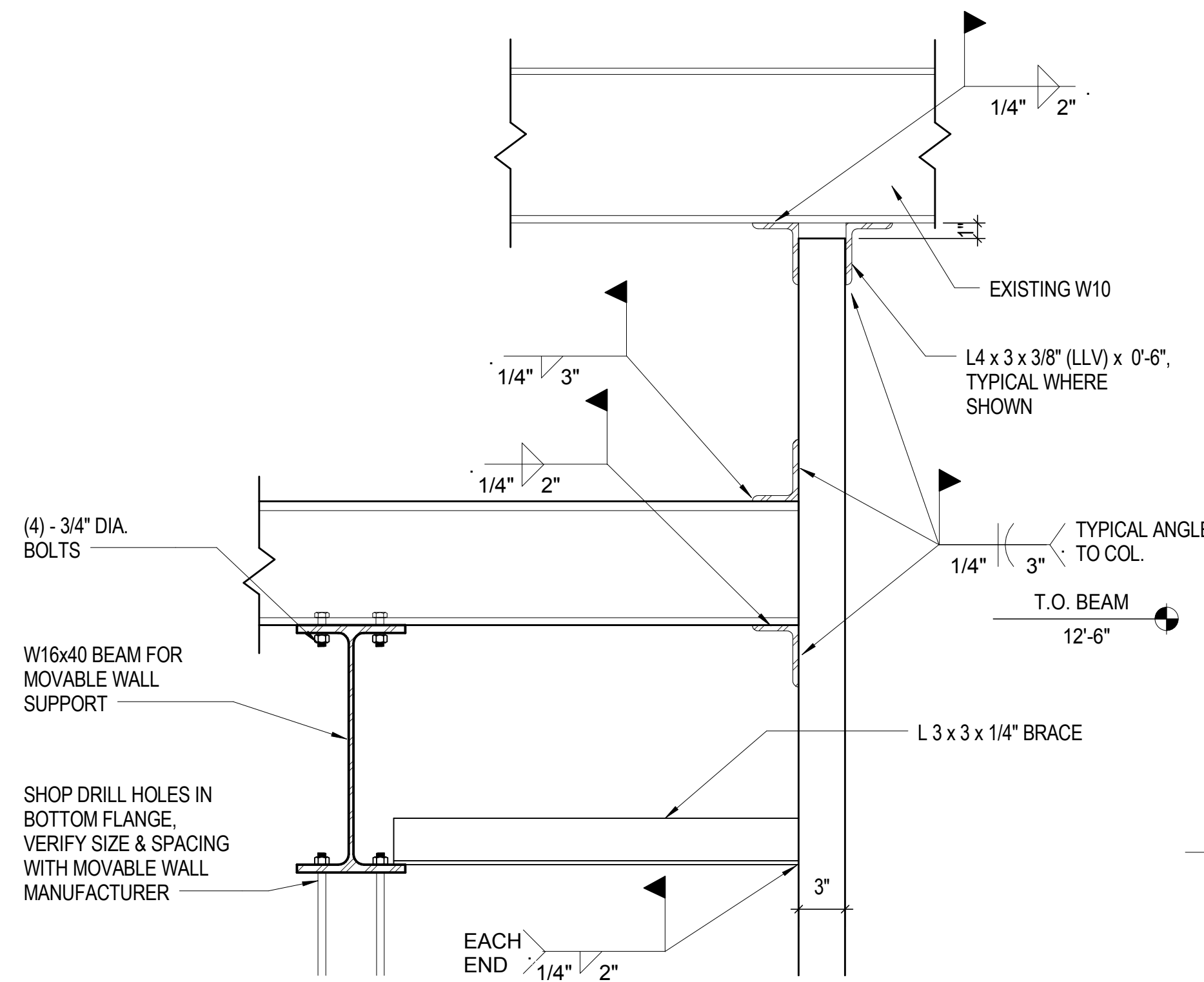


4 STEEL CHANNEL BRACING DETAIL
SCALE: 1" = 1'-0"

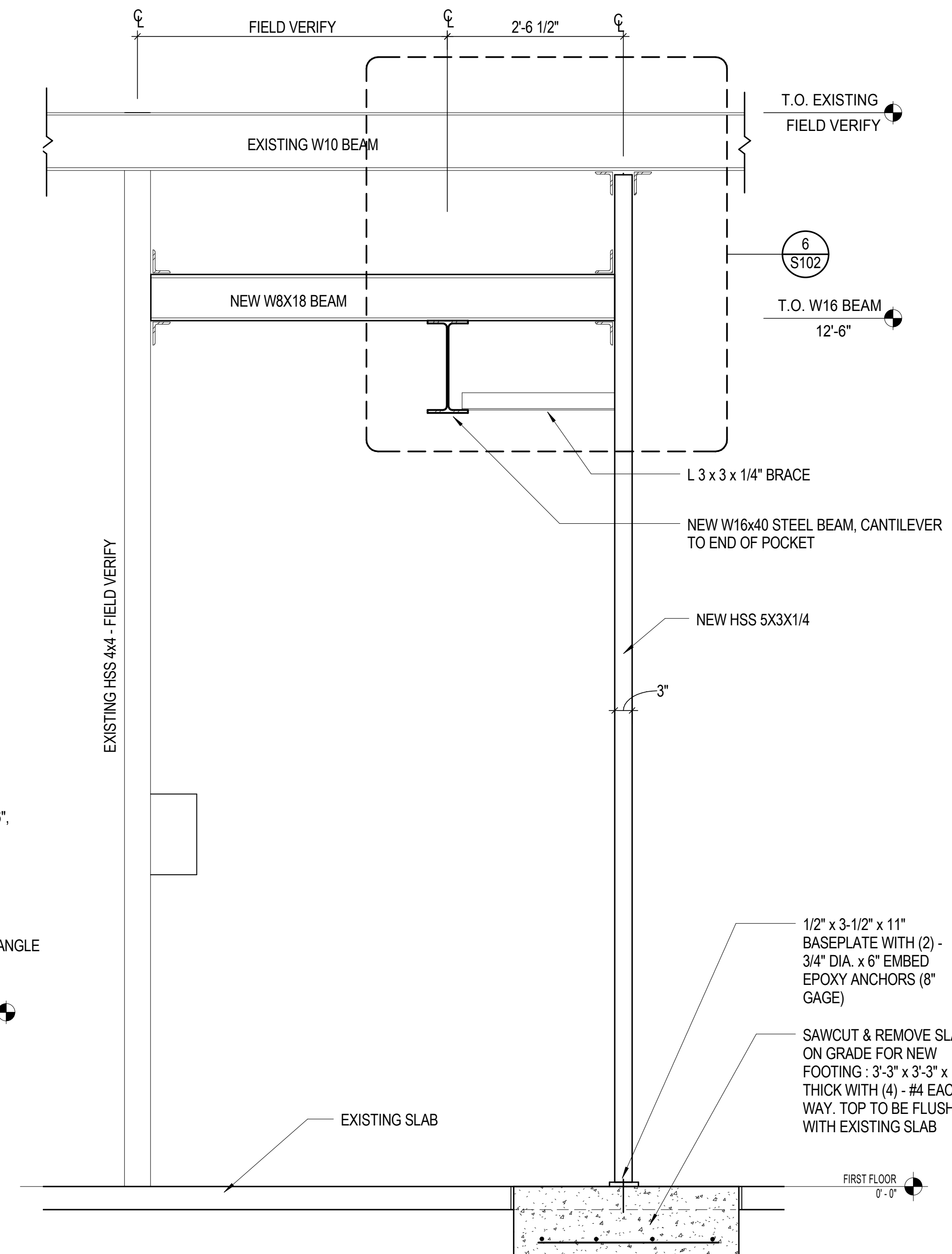
3 STEEL CHANNEL BRACING SECTION
SCALE: 1" = 1'-0"



5 CURB DETAIL @ EXISTING ROOF
SCALE: 1" = 1'-0"



6 STEEL CONNECTION DETAILS
SCALE: 1 1/2" = 1'-0"



7 FRAMING ELEVATION @ MOVEABLE WALL SUPPORT
SCALE: 3/4" = 1'-0"

**Meadowridge Branch Library
& Meadowood Neighborhood
Center**

Madison, Wisconsin

Owner:
City of Madison
210 MLK Jr. Blvd
Madison, WI 53703-3342

PROJECT NUMBER 132273.00

SEAL

ISSUED FOR:
BIDDING 10-28-13

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**STRUCTURAL
DETAILS**

S102

Meadowridge Branch Library
& Meadowood Neighborhood
Center

Madison, Wisconsin

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City of Madison
210 MLK Jr. Blvd
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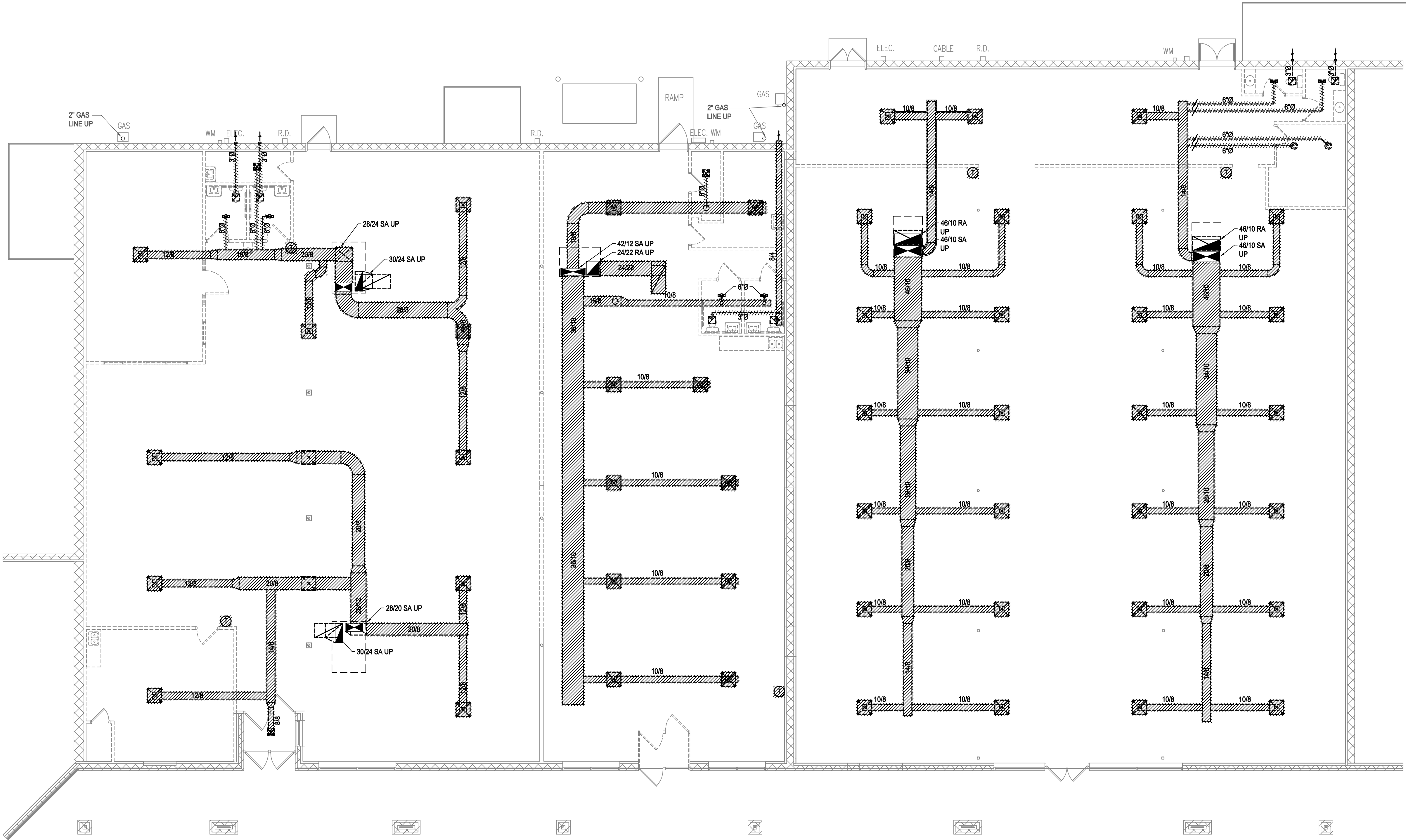
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FIRST FLOOR
MECHANICAL
DEMOLITION PLAN

MD100



GENERAL DEMOLITION & NEW WORK NOTES:	
1.	THIS CONTRACTOR SHALL VERIFY THE EXISTING CONDITIONS AT THE PROJECT SITE BEFORE SUBMITTING COST PROPOSAL. CONTRACTOR IS ADVISED THAT ALL LOCATIONS ARE APPROXIMATE.
2.	AN ATTEMPT HAS BEEN MADE TO SHOW THE APPROXIMATE LOCATION OF ALL STRUCTURE, EQUIPMENT, PIPING, FIXTURES, DUCTWORK, AND OUTLETS. THIS CONTRACTOR SHALL VISIT THE SITE TO VERIFY COMPONENTS, LOCATIONS AND SIZES SHOWN OR NOT SHOWN. ALL COMPONENTS NEED TO BE REMOVED IN THE DEMOLITION AREA UNLESS NOTED ON THE DRAWINGS.
3.	IT IS MANDATORY THAT THE EXISTING BUILDING REMAIN IN CONTINUOUS & NON-INTERRUPTED OPERATION DURING REMODELING/ALTERING OF THE EXISTING BUILDING. SERVICES TO EXISTING BUILDING SHALL BE KEPT ON CONTINUOUS OPERATION INCLUDING DOMESTIC WATER, SANITARY, STORM, STEAM, HEATING, HOT WATER, HVAC SUPPLY, RETURN & EXHAUST, ETC. ANY ABSOLUTELY NECESSARY INTERRUPTION OF THESE SERVICES TO ACCOMPLISH PROJECT CONSTRUCTION SHALL BE ARRANGED WITH THE OWNER THROUGH THE GENERAL CONTRACTOR, A MINIMUM OF TWO (2) WEEKS IN ADVANCE. TEMPORARY SERVICES SHALL BE FURNISHED AND INSTALLED WHERE NECESSARY TO ACCOMPLISH THIS PURPOSE. TEMPORARIES SHALL BE REMOVED ONLY AFTER NEW PERMANENT SERVICES ARE INSTALLED AND FULLY OPERATIONAL.
4.	THIS CONTRACTOR SHALL BE RESPONSIBLE FOR HIS OWN DEMOLITION, REMOVAL, CAPPING, STORING, ABANDONING, DISCONNECTING, RELOCATING AND RECONNECTION OF EXISTING EQUIPMENT AND MATERIAL. ALL CUTTING, PATCHING, REPAIRING, REPLACEMENT AND REFINISHING SHALL MATCH THE EXISTING CONSTRUCTION AS NEARLY AS POSSIBLE.
5.	EXCEPT WHERE OTHERWISE SHOWN OR NOTED ON DRAWING - "TO BE RETAINED, RELOCATED" OR HEREINAFTER NOTED, ALL EXISTING EQUIPMENT AND MATERIAL IN AREAS TO BE REMODELED/ALTERED SHALL BE REMOVED WHERE THEY INTERFERE WITH PROPOSED NEW CONSTRUCTION &/OR INTERFERE W/PROPOSED USAGE OF SPACE BY OWNER AS FOLLOWS:
(A)	REMOVE ANY PIPES PROTRUDING ABOVE FINISHED FLOOR OR THROUGH WALL AND CAP AND FINISH OVER WITH MATERIAL TO MATCH EXISTING.
(B)	REMOVE ALL FIXTURES, CARRIERS, SUPPLY & WASTE & VENT PIPING, STEAM, HEATING HOT WATER, HVAC SUPPLY, RETURN & EXHAUST AS NOTED. CAP AT NEAREST ACTIVE MAIN. SUPPLY & RETURN MAINS TO BE VALVED & CAPPED.
(C)	IN REMODELED/ALTERED AREAS ANY PIPING OR DUCTWORK PASSING THROUGH THE REMODELED AREAS TO SERVE (OR BEING SERVED FROM EXISTING ADJACENT, REMOTE, OR SURROUNDING AREA THAT ARE TO REMAIN) SHALL BE RETAINED AND KEPT OPERATIONAL AND SHALL BE REROUTED IN ALL CASES WHERE THEY INTERFERE WITH ANY NEW WORK OR USAGE TO BE ACCOMPLISHED IN THE REMODELED AREA.
(D)	PENETRATIONS THROUGH EXISTING WALLS AND FLOORS FORMERLY OCCUPIED BY REMOVED PIPING SHALL BE PATCHED TO MATCH EXISTING CONSTRUCTION.
6.	THIS CONTRACTOR SHALL REFER TO ARCHITECTURAL DRAWINGS TO FAMILIARIZE HIMSELF WITH EXTENT OF ALTERATION/REMODELING WORK AND MORE SPECIFICALLY NOTE WHERE NEW PARTITIONING IS BEING INSTALLED, WHERE EXISTING PARTITIONING IS BEING REMOVED, WHERE CEILINGS ARE BEING REMOVED AND OR REPLACED, ETC.
7.	SEE SPECIFICATIONS & ARCHITECTURAL SHEETS FOR CONSTRUCTION PHASING REQUIREMENTS. DURING EACH PHASE, AS MUCH WORK AS POSSIBLE <u>MUST</u> BE PERFORMED WITHIN THE BOUNDARIES OF THAT PHASE.
8.	THESE DRAWINGS ARE NECESSARILY DIAGRAMMATIC IN NATURE. NOT ALL FITTINGS, OFFSETS, VENTS, OR DRAINS ARE SHOWN. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING AND INCLUDE ALL FITTINGS, OFFSETS, VENTS, AND DRAINS AS REQUIRED TO PROVIDE A COMPLETE AND FUNCTIONING SYSTEM.
9.	THE ARCHITECT/ENGINEER RESERVES THE RIGHT TO CHANGE THE LOCATION OF ALL EQUIPMENT, DUCTWORK, PIPING AND CONDUIT FIVE FEET IN ANY DIRECTION WITHOUT THESE CHANGES BEING MADE THE SUBJECT OF AN EXTRA CHARGE PROVIDED SUCH CHANGES ARE MADE BEFORE FINAL INSTALLATION.
10.	BEFORE REMOVING EQUIPMENT DESIGNED TO BE RE-USED, THIS CONTRACTOR SHALL WALK THE AREA OF WORK ACCOMPANIED BY THE OWNER AND A/E TO PHOTOGRAPHICALLY DOCUMENT THE PHYSICAL CONDITIONS OF THE EQUIPMENT. NOTE ANY EXISTING DAMAGE OR DEFICIENCIES PRIOR TO REMOVAL AND OBTAIN SIGNED ACCORDANCE WITH THE ASSESSMENT.
11.	BEFORE REMOVING EQUIPMENT DESIGNED TO BE RE-USED, THIS CONTRACTOR SHALL VERIFY PROPER OPERATION IN BOTH HEATING AND COOLING MODE. NOTE ANY DEFICIENCIES PRIOR TO REMOVAL AND OBTAIN SIGNED ACCORDANCE OF ASSESSMENT.
12.	UPON REMOVAL, EQUIPMENT DESIGNATED TO BE RE-USED SHALL BE STORED AND PROTECTED. BEFORE REINSTALLATION, CLEAN COILS AND COMB FINS. REPAIR ANY DAMAGE CAUSED BY REMOVAL AND RE-INSTALLATION.

VENTILATING SYMBOL LIST	
SYMBOL	DESCRIPTION
	SUPPLY OR OUTDOOR AIR DUCT (TOWARDS VIEWER)
	SUPPLY OR OUTDOOR DUCT (AWAY FROM VIEWER)
	RETURN AIR DUCT (TOWARDS VIEWER)
	RETURN AIR DUCT (AWAY FROM VIEWER)
	EXHAUST OR RELIEF AIR DUCT (TOWARDS VIEWER)
	EXHAUST OR RELIEF AIR DUCT (AWAY FROM VIEWER)
	SUPPLY
	RETURN
	TURNING VANES
	MANUAL VOLUME DAMPER
	BACKDRAFT DAMPER
	FIRE DAMPER
	SMOKE DAMPER
	FIRE / SMOKE DAMPER
	FLEXIBLE DUCT CONNECTION
	FLEXIBLE DUCT
	ACCESS PANEL
	ACCESS DOOR
	INCLINED RISE (IN DIRECTION OF AIR FLOW)
	INCLINED DROP (IN DIRECTION OF AIR FLOW)
	SUPPLY AIR
	RETURN AIR
	OUTDOOR AIR
	EXHAUST AIR
	FUME EXHAUST
	EXISTING TO BE REMOVED
	DUCT PRESSURE GLASS (N - INDICATES NEGATIVE PRESSURE)
	MARK
	CFM
	"MASTER" VAV DIFFUSER
	TYPE

PIPING SYMBOL LIST	
SYMBOL	DESCRIPTION
	HOT WATER SUPPLY
	HOT WATER RETURN
	CHILLED WATER SUPPLY
	CHILLED WATER RETURN
	CONDENSER WATER FLOW
	CONDENSER WATER RETURN
	MAKE UP WATER
	DRAIN LINE
	BRINE SUPPLY
	BRINE RETURN
	COMPRESSED AIR PIPING
	HIGH PRESSURE STEAM SUPPLY PIPING
	MEDIUM PRESSURE STEAM SUPPLY PIPING
	LOW PRESSURE STEAM SUPPLY PIPING
	HIGH PRESSURE STEAM RETURN PIPING
	MEDIUM PRESSURE STEAM RETURN PIPING
	LOW PRESSURE STEAM RETURN PIPING
	CONDENSATE PUMP DISCHARGE PIPING
	FEED WATER PUMP PIPING
	REFRIGERANT LIQUID LINE
	REFRIGERANT SUCTION LINE
	REFRIGERANT DISCHARGE LINE
	CHILLED BEAM SUPPLY PIPING
	CHILLED BEAM RETURN PIPING
	REVERSE OSMOSIS WATER PIPING
	FUEL OIL SUPPLY PIPING
	FUEL OIL RETURN PIPING
	FUEL OIL VENT PIPING
	FUEL OIL FILL PIPING
	BOILER FEED PIPING
	BOILER BLOWDOWN PIPING
	GLYCOL WATER SUPPLY PIPING
	GLYCOL WATER RETURN PIPING
	NATURAL GAS PIPING
	PROCESS CHILLED WATER SUPPLY PIPING
	PROCESS CHILLED WATER RETURN PIPING
	PROCESS HOT WATER SUPPLY PIPING
	PROCESS HOT WATER RETURN PIPING
	VENT PIPING
	BUTTERFLY VALVE
	BALL VALVE
	ISOLATION VALVE (REFER TO SPECIFICATIONS)
	GATE VALVE
	CHECK VALVE
	GLOBE VALVE
	BALANCING VALVE
	SAFETY/RELIEF VALVE
	PIPE GUIDE
	PIPE ANCHOR
	THERMOMETER
	STEAM TRAP (FT = FLOAT & THERMOSTATIC; IB = INVERTED BUCKET)
	PRESSURE GAUGE
	MANUAL AIR VENT
	AUTOMATIC AIR VENT
	THERMOSTATIC AIR VENT
	ELBOW TURNED UP
	ELBOW TURNED DOWN
	TEE - TOP OUTLET
	TEE - BOTTOM OUTLET
	SCREWED UNION
	FLANGED UNION
	PRESSURE REDUCING VALVE
	CONCENTRIC REDUCER
	ECCENTRIC REDUCER
	WYE STRAINER
	BASKET STRAINER
	GAUGE COCK (REFER TO SPECIFICATIONS)
	CAP OR PLUG FOR < 2", BLIND FLANGE FOR > 2"
	VACUUM BREAKER
	FLOW MEASURING DEVICE
	FLEXIBLE PIPE CONNECTION
	EXPANSION JOINT
	BALL JOINT
	PIPE PITCH
	TEMPERATURE / PRESSURE TEST PLUG
	SMOKE DETECTOR
	DUCT PRESSURE SENSOR
	THERMOSTAT

MECHANICAL ABBREVIATIONS			
ABBR	DESCRIPTION	ABBR	DESCRIPTION
A	AIR	GA	GAUGE
AAV	AUTOMATIC AIR VENT	GALL	GALLONS
AC	AIR COMPRESSOR	G.C	GENERAL CONTRACTOR
ACCU	AIR-COOLED CONDENSING UNIT	GPH	GALLONS PER HOUR
AD	AIR DRYER / ACCESS DOOR	GPM	GALLONS PER MINUTE
ADD	ADDITIONAL	GPRV	GAS PRESSURE REDUCING VALVE
ADJ	ADJUSTABLE	HB	HOSE BIB
AE	ARCHITECT / ENGINEER	HC	HEATING COIL
AF	AIRFOIL	HD	HUB DRAIN
AFF	ABOVE FINISHED FLOOR	HEPA	HIGH EFFICIENCY PARTICULATE AIR FILTER
AFG	ABOVE FINISHED GRADE	HP	HORSEPOWER
AHU	AIR HANDLING UNIT	HR	HOUR
ALT	ALTERNATE	HWP	HOT WATER PUMP
AP	ACCESS PANEL	HX	HEAT EXCHANGER
ARCH	ARCHITECT	HZ	HERTZ
AS	AIR SEPARATOR	IA	INSTRUMENT AIR
AUTO	AUTOMATIC AUTO	IB	INVERTED BUCKET
AWC	ABSORPTION WATER CHILLER	ID	INSIDE DIAMETER
B	BOILER	IE	INVERT ELEVATION
BD	BLOWDOWN	IN	INCHES
BDS	BLOWDOWN SEPARATOR	KVA	KILOVOLT AMPERE
BF	BLIND FLANGE / BOILER FEEDWATER	KW	KILOWATT
BFP	BOILER FEED PUMP	KWH	KILOWATT-HOUR
BHP	BRAKE HORSEPOWER	LAT	LEAVING AIR TEMPERATURE
BI	BACKWARD INCLINED	LBS#	POUNDS
BLDG	BUILDING	LWT	LEAVING WATER TEMPERATURE
BOD	BOTTOM OF DUCT ELEVATION	MAV	MIXED AIR MA MANUAL AIR VENT
BOP	BOTTOM OF PIPE ELEVATION	MAX	MAXIMUM
BTU	BRITISH THERMAL UNIT	MBH	THOUSANDS OF BTU PER HOUR
BTUH	BRITISH THERMAL UNITS PER HOUR	M.C.	MECHANICAL CONTRACTOR
°C	DEGREES CELSIUS	MCA	MINIMUM CIRCUIT AMPS
C	CONVECTOR	MEP	MECHANICAL ELECTRICAL & PLUMBING
CA	COMBUSTION AIR	MER	MECHANICAL EQUIPMENT ROOM
CAV	CONSTANT AIR VOLUME	MIN	MINIMUM
CBD	CONTINUOUS BLOWDOWN	MOCP	MAXIMUM OVERCURRENT PROTECTION
CC	COOLING COIL	MUW	MAKE UP WATER
CFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALL	NA	NOT APPLICABLE
CFH	CUBIC FEET PER HOUR	NC	NORMALLY CLOSED / NOISE CRITERIA
CFP	CHEMICAL FEED PUMP	NG	NATURAL GAS
CFM	CUBIC FEET PER MINUTE	NPS	NOMINAL PIPE SIZE
CH	CHILLER	NPSH	NET POSITIVE SUCTION HEAD
CHP	CHILLED WATER PUMP	NPSHA	NET POSITIVE SUCTION HEAD AVAILABLE
CL or c	CENTERLINE	NPSHR	NET POSITIVE SUCTION HEAD REQUIRED
CLG	CEILING	NPT	NATIONAL PIPE THREAD
COMB	COMBUSTION / COMBINATION	NTS	NOT TO SCALE
COND	CONDENSATE / CONDENSER	OA	OUTSIDE AIR
CONN	CONNECTION / CONNECT	OC	ON CENTER
COP	CENTER OF PIPE	OD	OUTSIDE DIAMETER
CP	CONDENSATE PUMP	ODP	OPEN DRIP-PROOF
CT	COOLING TOWER	OED	OPEN END DUCT
CUH	CABINET UNIT HEATER	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
CWP	CONDENSER WATER PUMP	OFOI	OWNER FURNISHED OWNER INSTALLED
DA	DEAERATOR	OV	OUTLET VELOCITY
DA-OF	DEAERATOR OVERFLOW	PA	PLANT AIR
DB	DRY BULB TEMPERATURE	P.C.	PLUMBING CONTRACTOR
DC	DRY COOLER	PCF	POUNDS PER CUBIC FOOT
DCW	DESUPERHEATER COOLING WATER	PD	PRESSURE DROP
DDC	DIRECT DIGITAL CONTROL	PSI	POUNDS PER SQUARE INCH
DIA	DIAMETER	PSIA	POUNDS PER SQUARE INCH ABSOLUTE
DN	DOWN	PSIG	POUNDS PER SQUARE INCH GAUGE
DP	DIFFERENTIAL PRESSURE	PRDS	PRESSURE REDUCING DESUPERHEATING
DSH	DESUPERHEATER	PSID	POUNDS PER SQUARE INCH DIFFERENTIAL
DWDI	DOUBLE WIDTH, DOUBLE INLET	PVC	POLYVINYL CHLORIDE
DWG	DRAWING	RA	RETURN AIR
DX	DIRECT EXPANSION	RC	ROOM CRITERIA
EA	EXHAUST AIR / EACH	RF	RETURN FAN
EAT	ENTERING AIR TEMPERATURE	RH	RELATIVE HUMIDITY
E.C.	ELECTRICAL CONTRACTOR	RPM	REVOLUTIONS PER MINUTE
EDR	EQUIVALENT DIRECT RADIATION	RTU	ROOFTOP UNIT
EF	EXHAUST FAN	SA	SUPPLY AIR
EL	ELBOW	SF	SUPPLY FAN
EOM	END OF MAIN	SOG	SLAB ON GRADE
ERU	ENERGY RECOVERY UNIT	SP	STATIC PRESSURE
ESP	EXTERNAL STATIC PRESSURE	SRV	STEAM RELIEF VALVE
ET	EXPANSION TANK	ST	STEAM TRAP
ETR	EXISTING TO REMAIN	ST-OF	SURGE TANK OVERFLOW
EWT	ENTERING WATER TEMPERATURE	SWSI	SINGLE WIDTH, SINGLE INLET
EX / EXIST	EXISTING	T	TANK
EXH	EXHAUST	TBR	TO BE REMOVED
*F	DEGREES FAHRENHEIT	TCP	TEMPERATURE CONTROL PANEL
FA	FRESH AIR INTAKE / FIELD ADJUSTABLE	TOD	TOP OF DUCT ELEVATION
FAT	FINAL AIR TEMPERATURE	TOP	TOP OF PIPE ELEVATION
FCU	FORWARD CURVED / FAIL CLOSED	TOS	TOP OF SLAB/TOP OF STEEL
FCC	FAN COIL UNIT	TSP	TOTAL STATIC PRESSURE
FD	FLOOR DRAIN	UH	UNIT HEATER
FO	FAIL OPEN	UV	UNIT VENTILATOR
FCP	FUEL OIL PUMP	VAV	VARIABLE AIR VOLUME
FOT	FUEL OIL TANK	VFD	VARIABLE FREQUENCY DRIVE
FP	FILTER PUMP	VP	VELOCITY PRESSURE
FLA	FULL LOAD AMPS	VTR	VENT THRU ROOF
FPI	FINS PER INCH	WB	WET BULB
FPM	FEET PER MINUTE	WC	WATER COLUMN
FPS	FEET PER SECOND	WF	WATER FILTER
FRV	FEED WATER RELIEF VALVE	WG	WATER GAUGE
F&T	FLOAT & THERMOSTATIC	WMS	WIRE MESH SCREEN
FT	FEET	WPD	WATER PRESSURE DROP
FW	FEEDWATER	XFMR	TRANSFORMER
FWP	FEED WATER PUMP		

NOTE:
THIS IS A COMPOSITE LIST OF ABBREVIATIONS, NOT ALL PERTAIN SPECIFICALLY TO THIS JOB.

Engberg
Anderson

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JOB NO: 7868

Meadowridge Branch Library
& Meadowood Neighborhood
Center

Madison, Wisconsin

Owner:
City of Madison
210 MLK Jr. Blvd
Madison, WI 53703-3342

PROJECT NUMBER132273.00

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MECHANICAL
NOTES, SYMBOLS,
AND
ABBREVIATIONS

M000

GENERAL NOTES (SHEET M100):

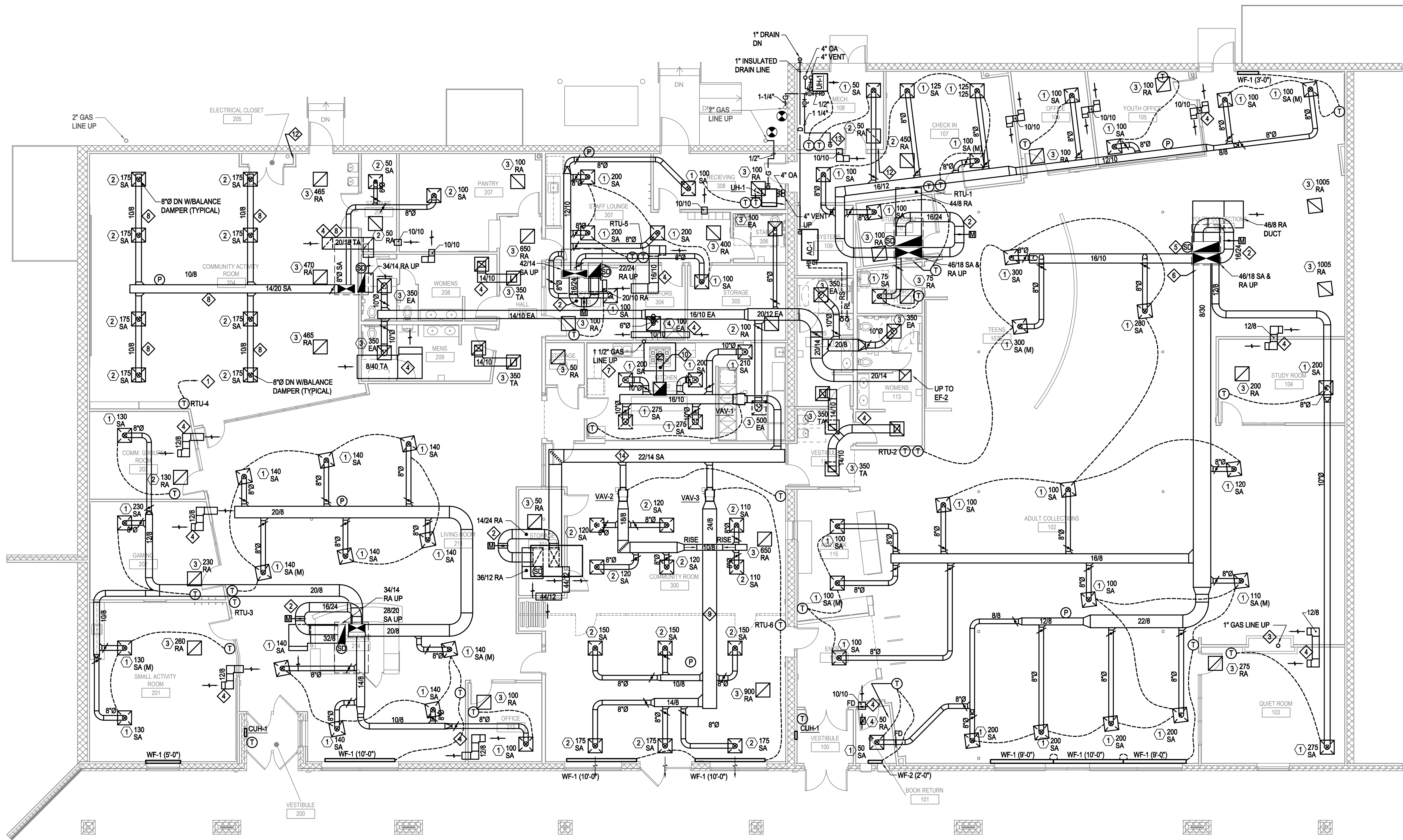
1. CONTRACTOR TO REMOVE AND REPLACE EXISTING INSULATION ON BOTTOM OF STRUCTURE FOR ANY WORK THAT TAKES PLACE ABOVE THE INSULATION. DUCTWORK THAT IS INSTALLED ABOVE THE INSULATION AT THE BOTTOM OF STRUCTURE SHALL BE TREATED AS DUCTWORK IN AN UNCONDITIONED SPACE AND BE INSULATED AS INDICATED IN THE SPECIFICATIONS. REFER TO 23 07 00 HVAC INSULATION.
2. CONTRACTOR TO LINE SUPPLY & RETURN AIR DUCTS UP TO RTUs. TYPICAL OF ALL AIR HANDLING UNITS. LINE SUPPLY & RETURN DUCTS UP TO FIRST TAKE-OFF.
3. CONTRACTOR TO COORDINATE ALL THERMOSTAT LOCATIONS WITH FURNITURE PLAN.

KEYED NEW WORK NOTES (SHEET M100):

1. CONNECT TO RTU-4
2. BY PASS CONNECTION WITH MOTORIZED DAMPER, ROUTE DUCTWORK THRU TRUSSES AND PROVIDE ACCESS DOOR ABOVE CEILING FOR MOTORIZED DAMPER. CONTRACTOR TO COORDINATE MOTORIZED DAMPER & ACCESS WITH FURNITURE/EQUIPMENT PLAN. CONTRACTOR TO VERIFY EXISTING STRUCTURE AND DUCT ROUTING.
3. 1" GAS LINE DOWN TO FIRE PLACE
4. TRANSFER AIR DUCT, LINE TRANSFER AIR DUCTWORK AND PROVIDE MINIMUM OF 2 ELBOWS IN SOUND SENSITIVE AREAS
5. SMOKE DETECTOR ON RETURN AIR DUCT (TYPICAL ALL RTUs)
6. DUCT PRESSURE SENSOR ON SUPPLY AIR DUCTS ON VARIABLE VOLUME RTUs
7. 1-1/2" GAS LINE DOWN TO RANGE/OVEN, GAS SHUT OFF VALVE & BUTTON FURNISHED BY KITCHEN EQUIPMENT SUPPLY, INSTALLED BY MECHANICAL CONTRACTOR. COORDINATE LOCATION WITH OWNER.

KEYED NEW WORK NOTES (SHEET M100):

8. ROUTE DUCTWORK THROUGH TRUSS WEBBING
9. CONTRACTOR TO VERIFY CLEARANCE ABOVE STEEL BEAM AND STRUCTURE ABOVE
10. NEW 12/10 WELDED STEEL KITCHEN EXHAUST DUCT WRAPPED IN FIRE PROOF INSULATION. CONNECT TO 8/8 HOOD CONNECTION. BALANCE TO 680 CFM. CONTRACTOR TO VERIFY HOOD CONNECTION & HOOD EXHAUST CFM WITH MANUFACTURER.
11. 1" GAS LINE DOWN TO GAS FIRED WATER HEATER. WATER HEATER PROVIDED BY PLUMBING CONTRACTOR, GAS PIPING BY MECHANICAL CONTRACTOR.
12. VAV DIFFUSER POWER MODULE, COORDINATE LOCATION WITH ELECTRICAL CONTRACTOR. PROVIDE (2) FOR MECHANICAL ROOM 108 & (1) IN ELECTRICAL CLOSET 205 (TOTAL OF 3)
13. 1-1/4" GAS DOWN TO WATER HEATER (REFER TO PLUMBING DRAWINGS FOR LOCATION)
14. LINE SUPPLY DUCTWORK UP TO FIRST TAKE-OFF. TYPICAL ALL UNITS REFER TO GENERAL NOTE #2.



1 FIRST FLOOR DUCTWORK NEW WORK PLAN
SCALE: 1/8" = 1'-0"
12' 0' 1' 5' 10' 20'



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Meadowridge Branch Library & Meadowood Neighborhood Center

Madison, Wisconsin

Owner:
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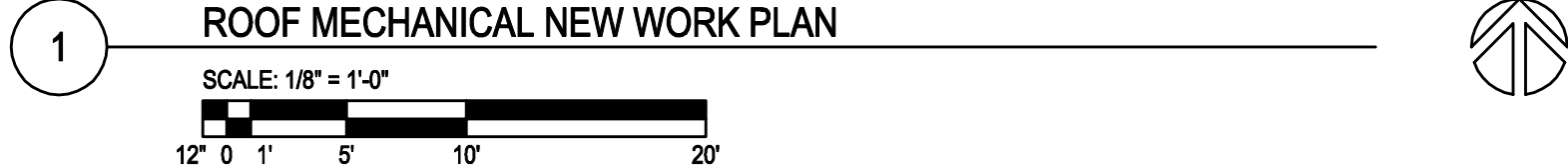
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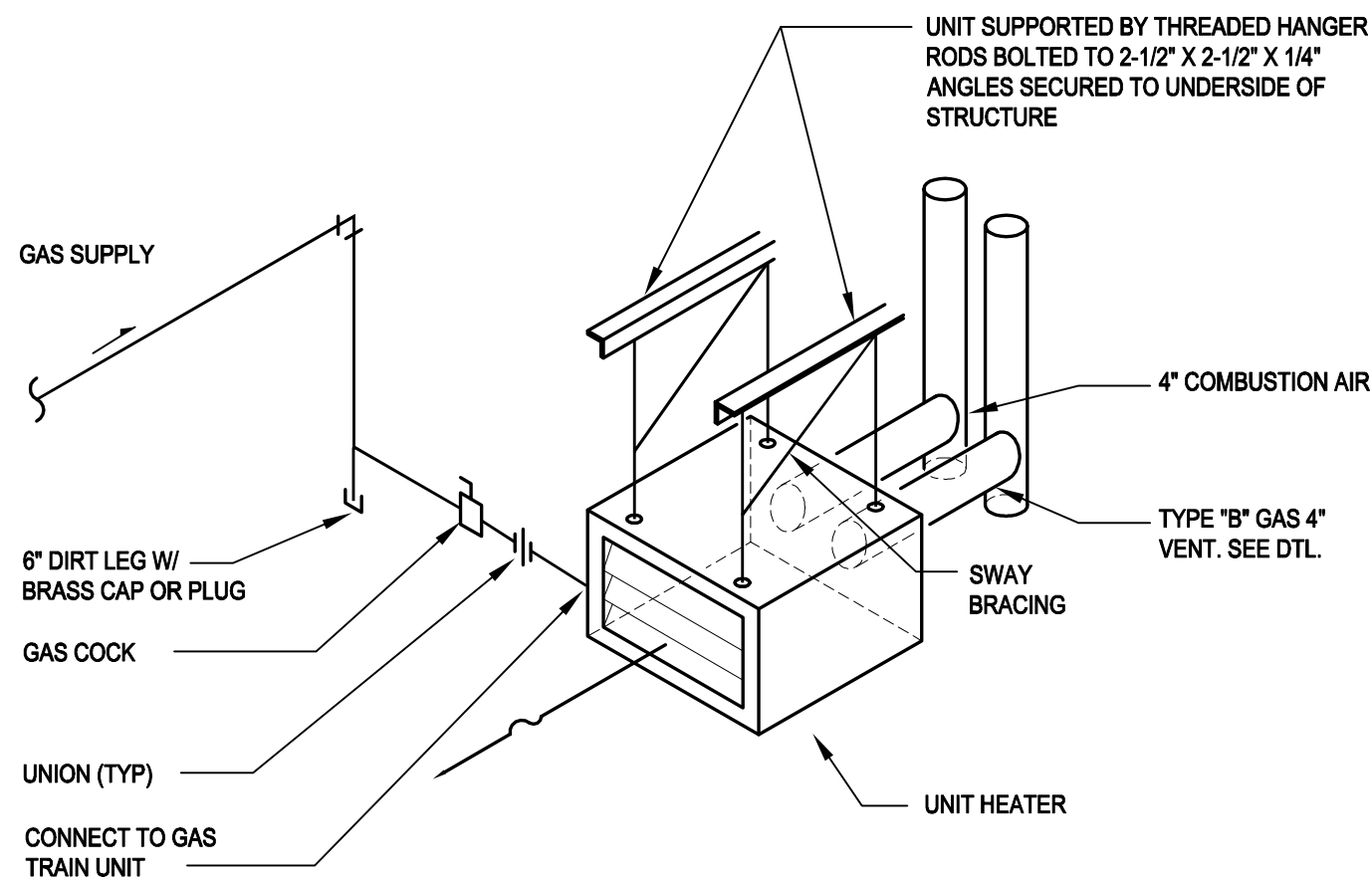
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FIRST FLOOR
DUCTWORK NEW
WORK PLAN

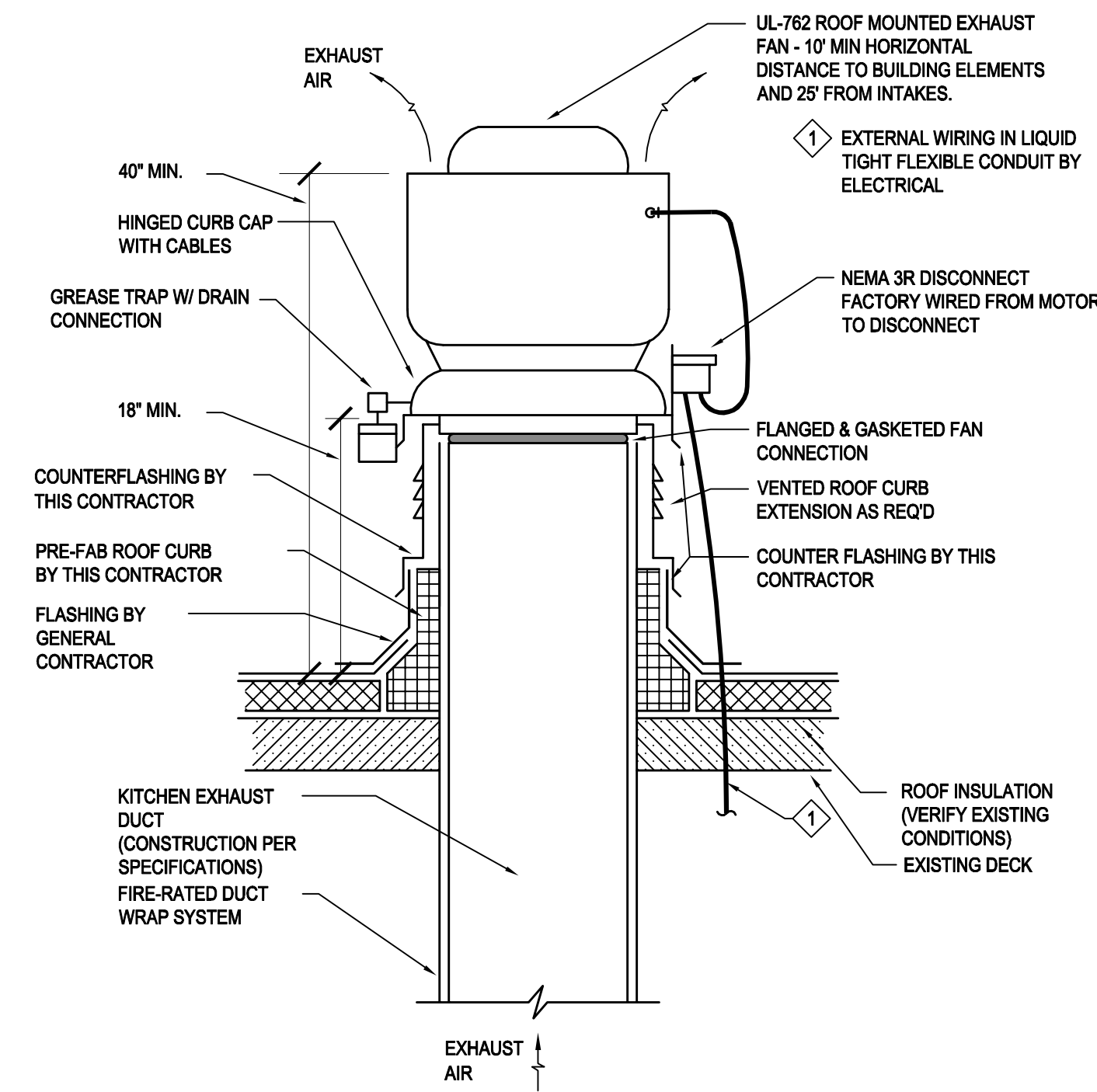
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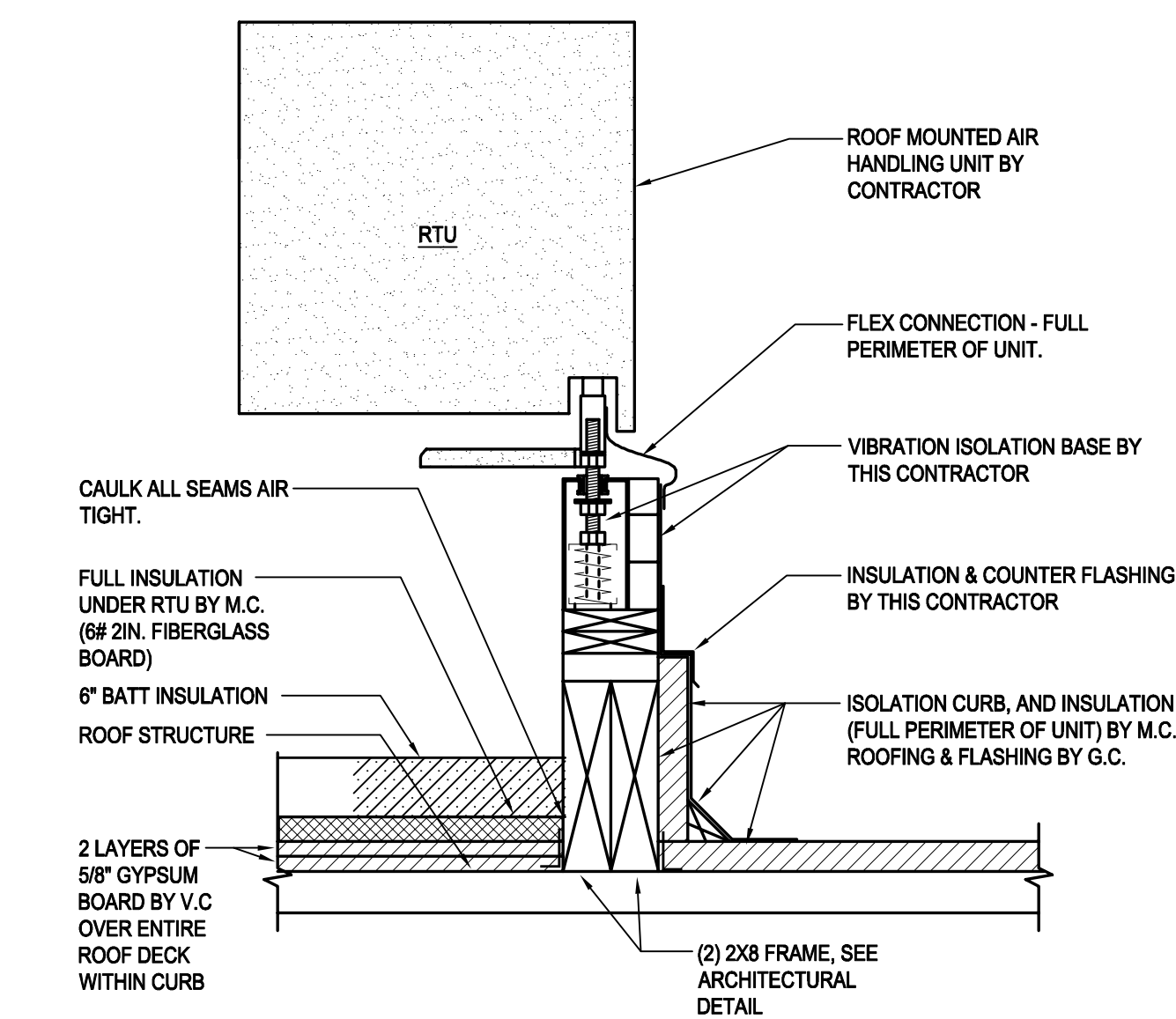
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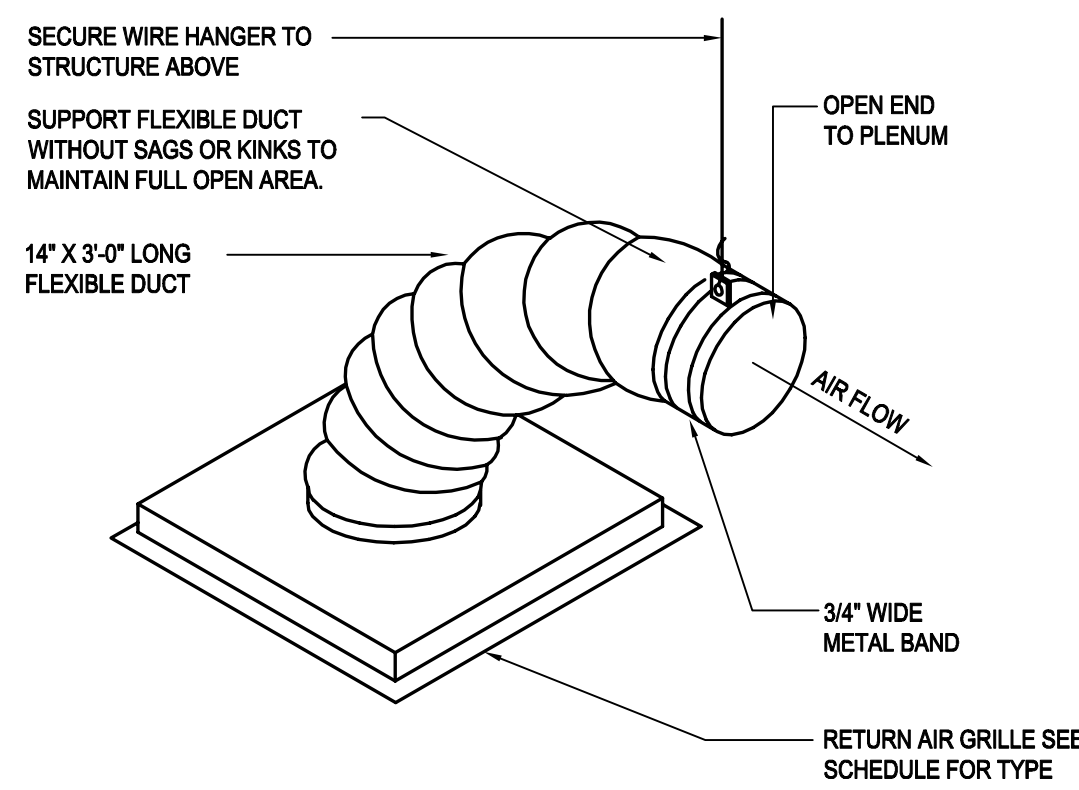
7 GAS FIRED UNIT HEATER
NO SCALE



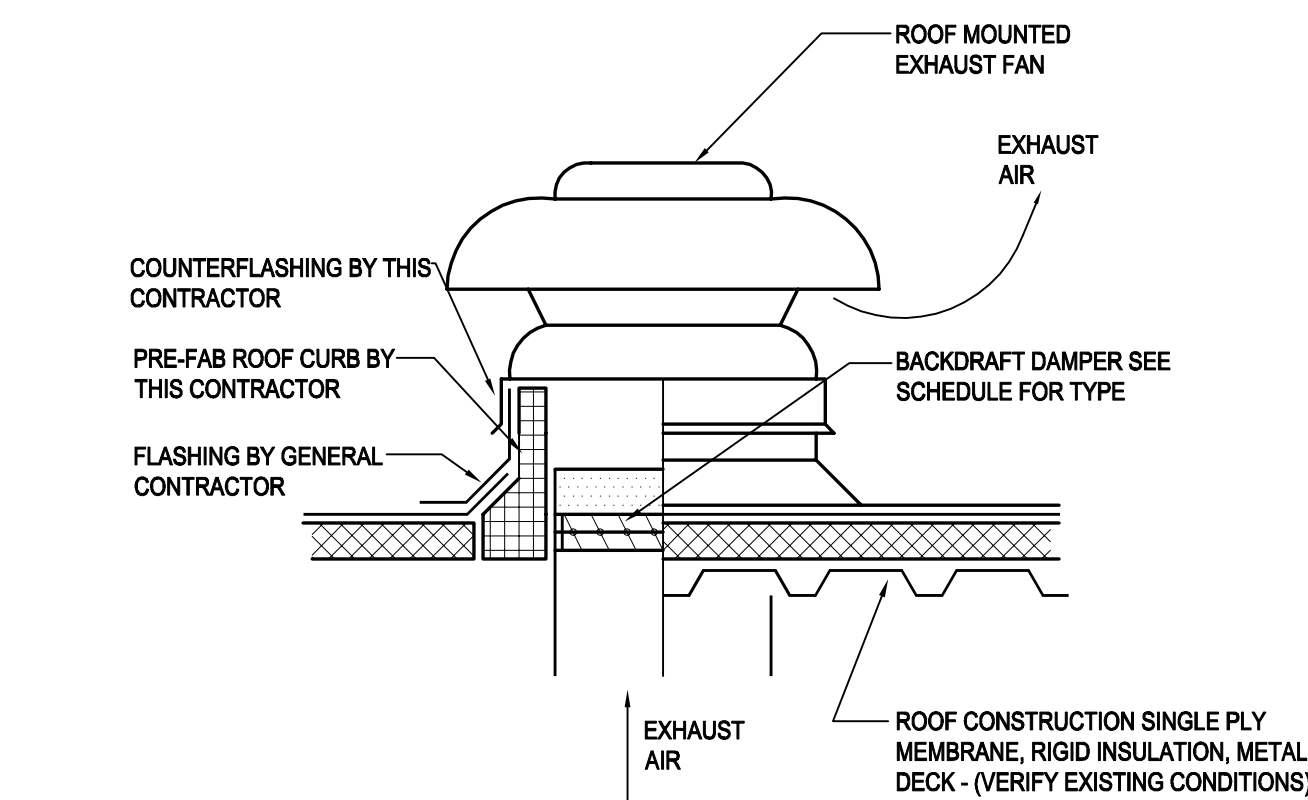
8 KITCHEN ROOF EXHAUST FAN DETAIL (UPBLAST)
NO SCALE



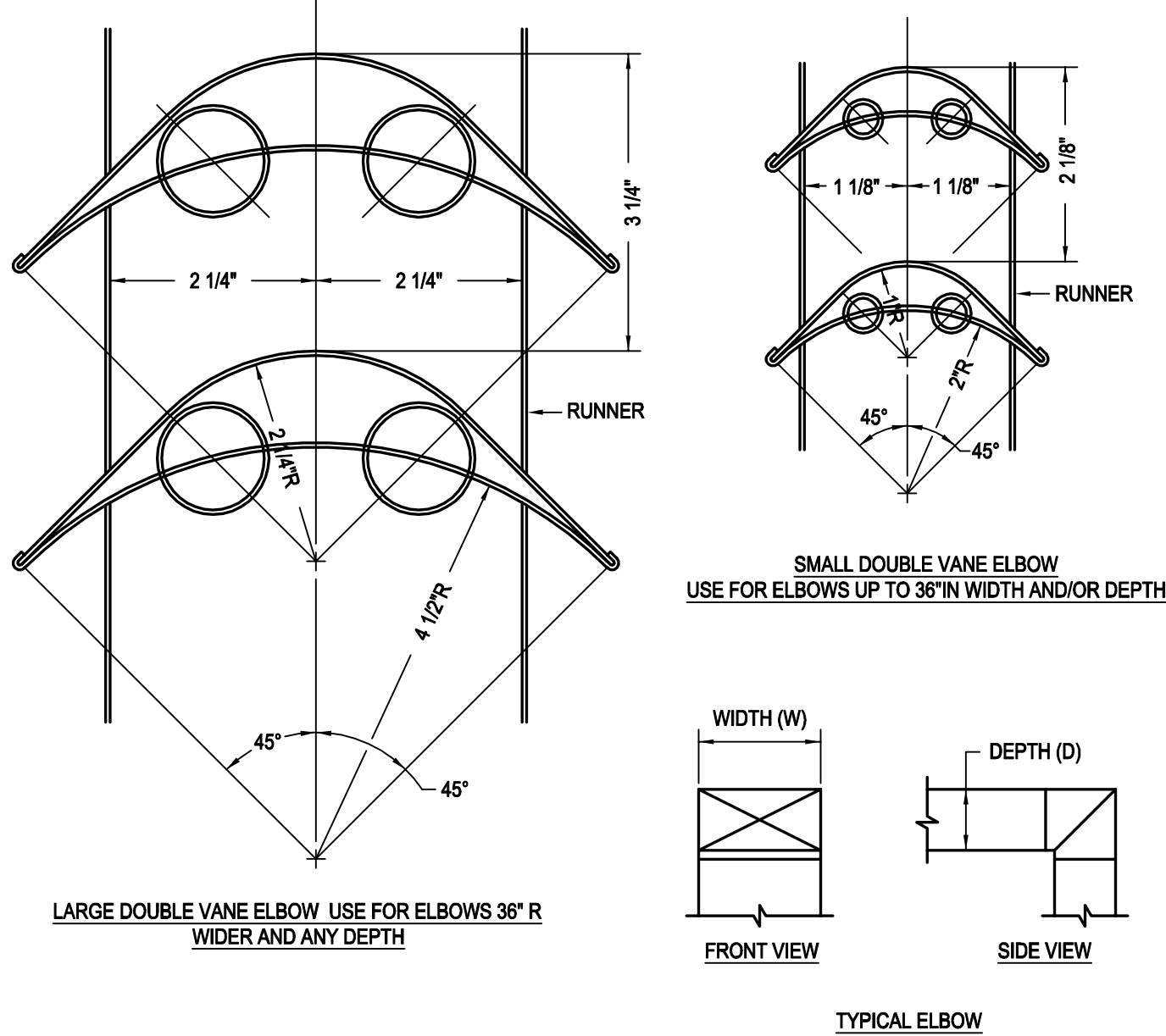
9 RTU VIBRATION ISOLATION ROOF CURB DETAIL
NO SCALE



4 PLENUM RETURN AIR SOUND BOOT
NO SCALE

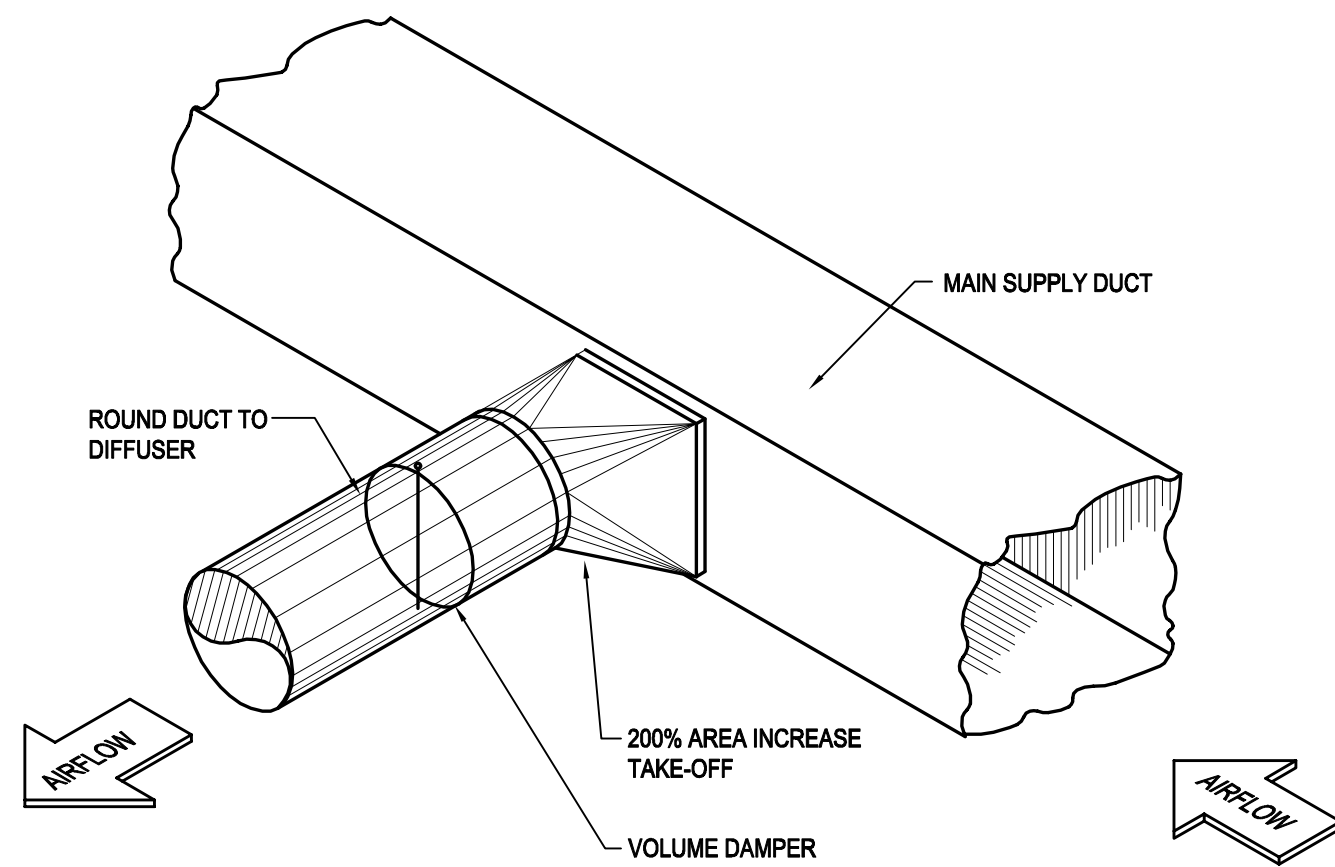


5 ROOF EXHAUST FAN DETAIL (DOWN BLAST)
NO SCALE

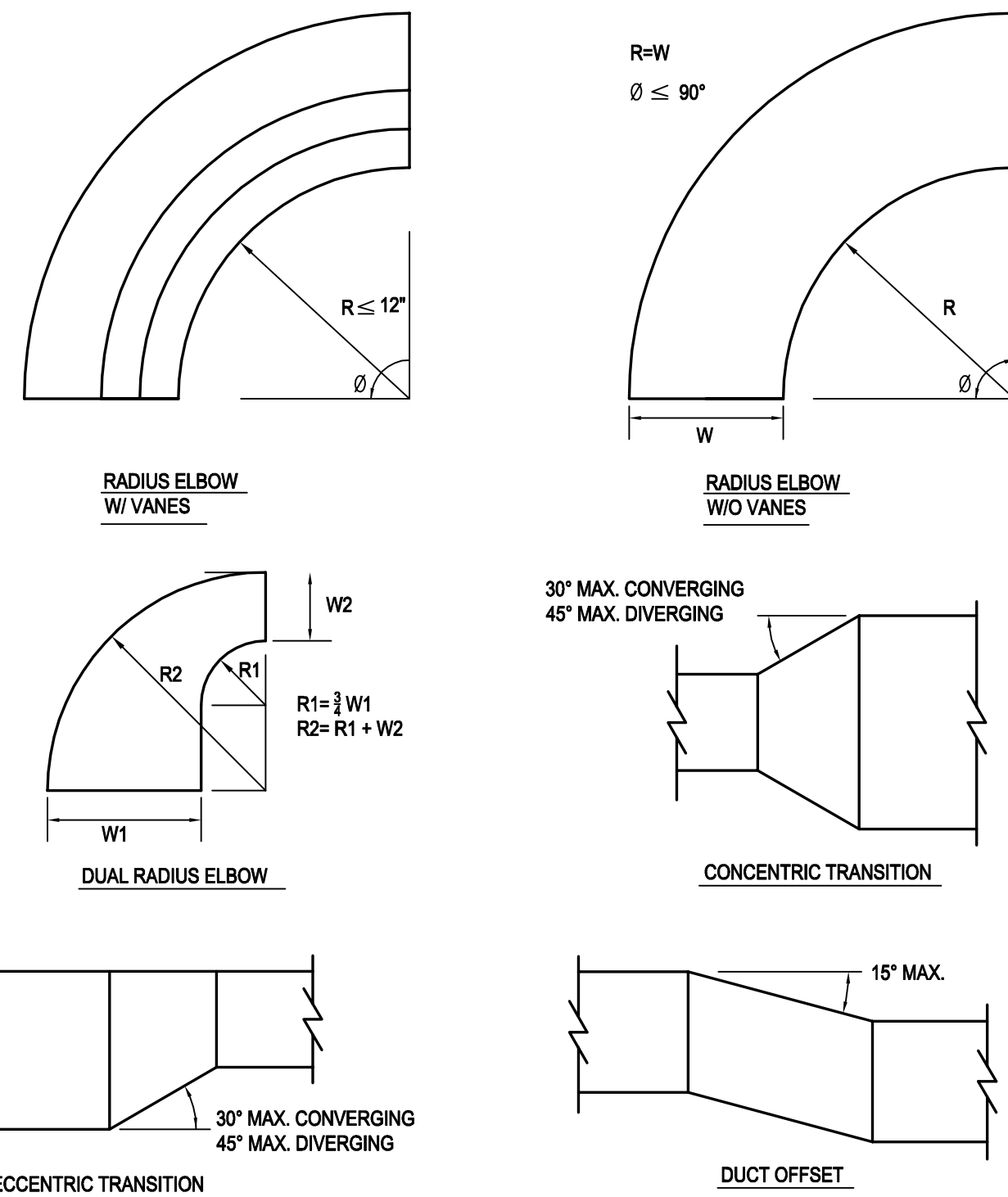


- NOTES:
- ALL SQUARE OR RECTANGULAR ELBOWS HAVE ONE OF THE TWO TYPES OF TURNING VANES SHOWN ABOVE. SINGLE VANE ELBOWS WILL NOT BE PERMITTED.
 - VANES SHALL BE FACTORY CONSTRUCTED, SUPPORTED AND FASTENED AS RECOMMENDED BY SMACNA.
 - SQUARE ELBOWS ARE TO BE USED ONLY WHERE ABSOLUTELY NECESSARY. CONTRACTOR TO PROVIDE ACCESS DOORS UPSTREAM AND DOWNSTREAM FOR CLEANING AND INSPECTION OF SQUARE ELBOWS.

6 SQUARE OR RECTANGULAR ELBOWS
NO SCALE

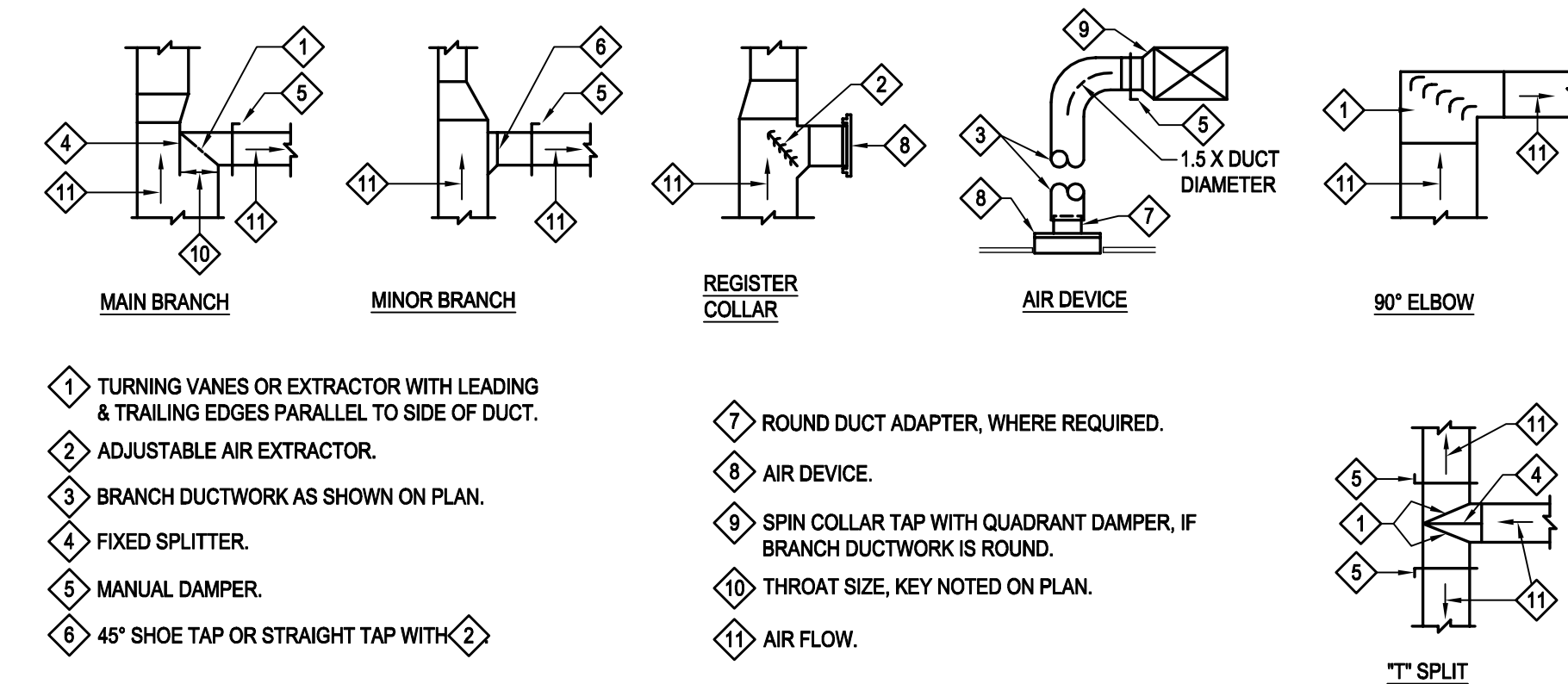


1 BRANCH DUCT TAKE-OFF
NO SCALE



1. SQUARE THROAT ELBOWS NOT PERMITTED. ALL ELBOWS AND WYE FITTINGS SHALL BE RADIUS TYPE.

2 TYPICAL DUCT FITTING DETAIL
NO SCALE



3 DUCTWORK AND CONNECTIONS
NO SCALE

Meadowridge Branch Library
& Meadowood Neighborhood
Center

Madison, Wisconsin

Owner:
City of Madison
210 MLK Jr. Blvd
Madison, WI 53703-3342

PROJECT NUMBER 132273.00

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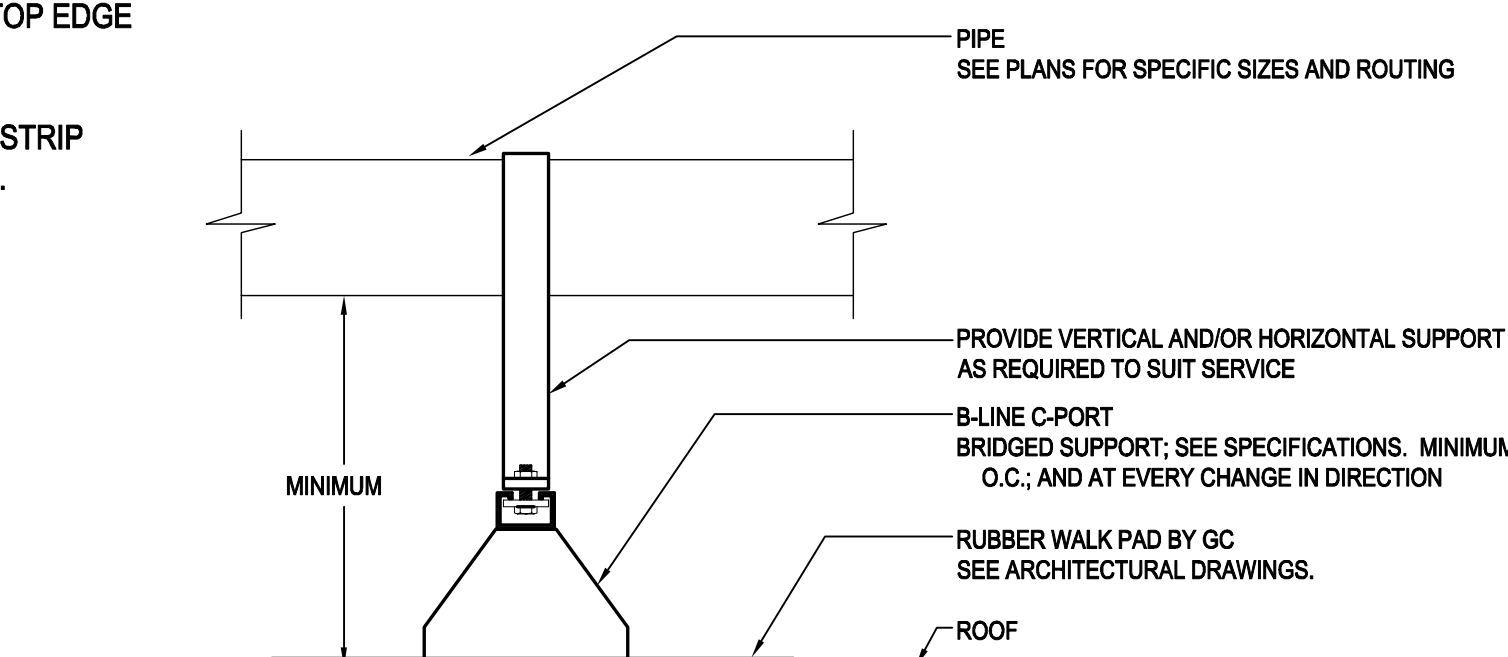
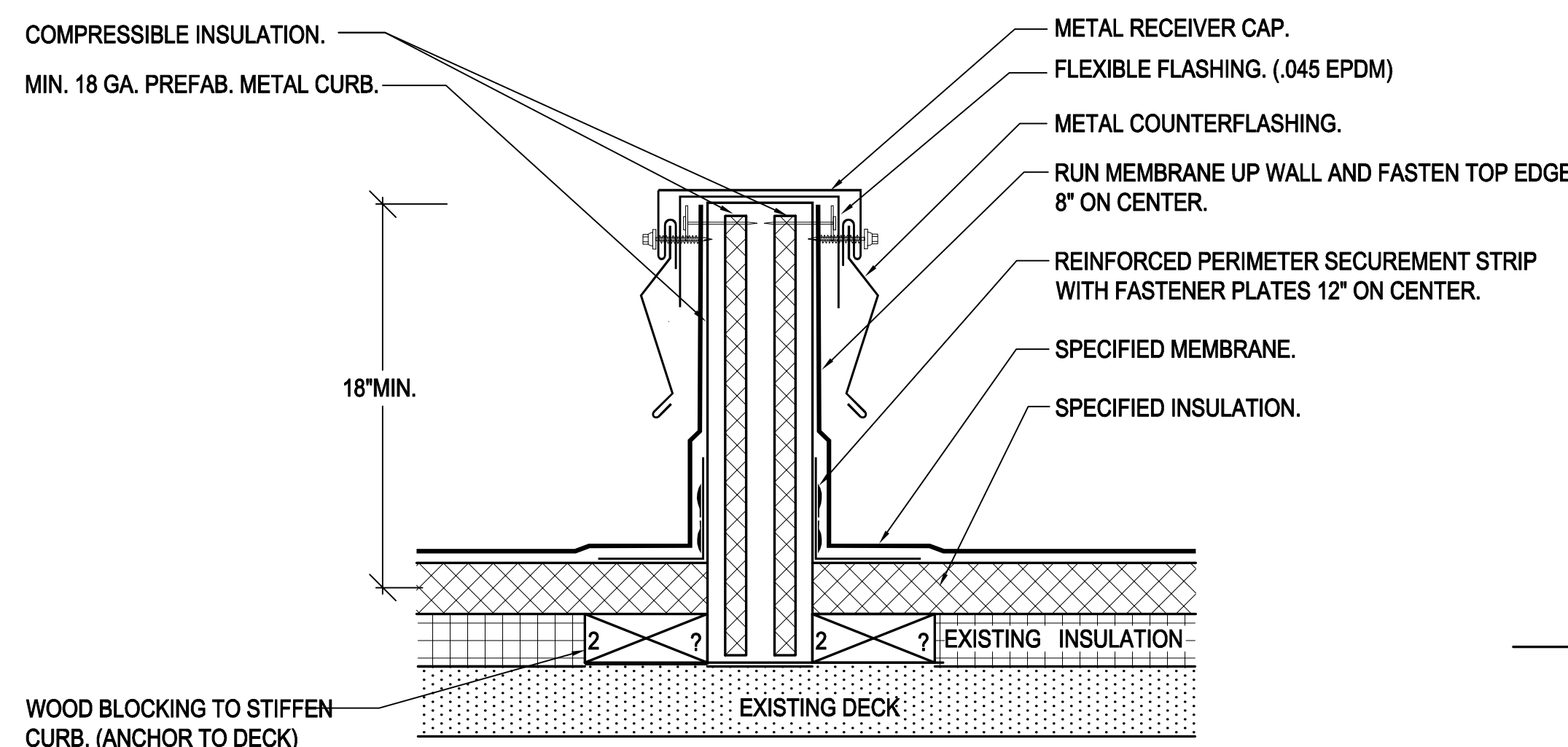
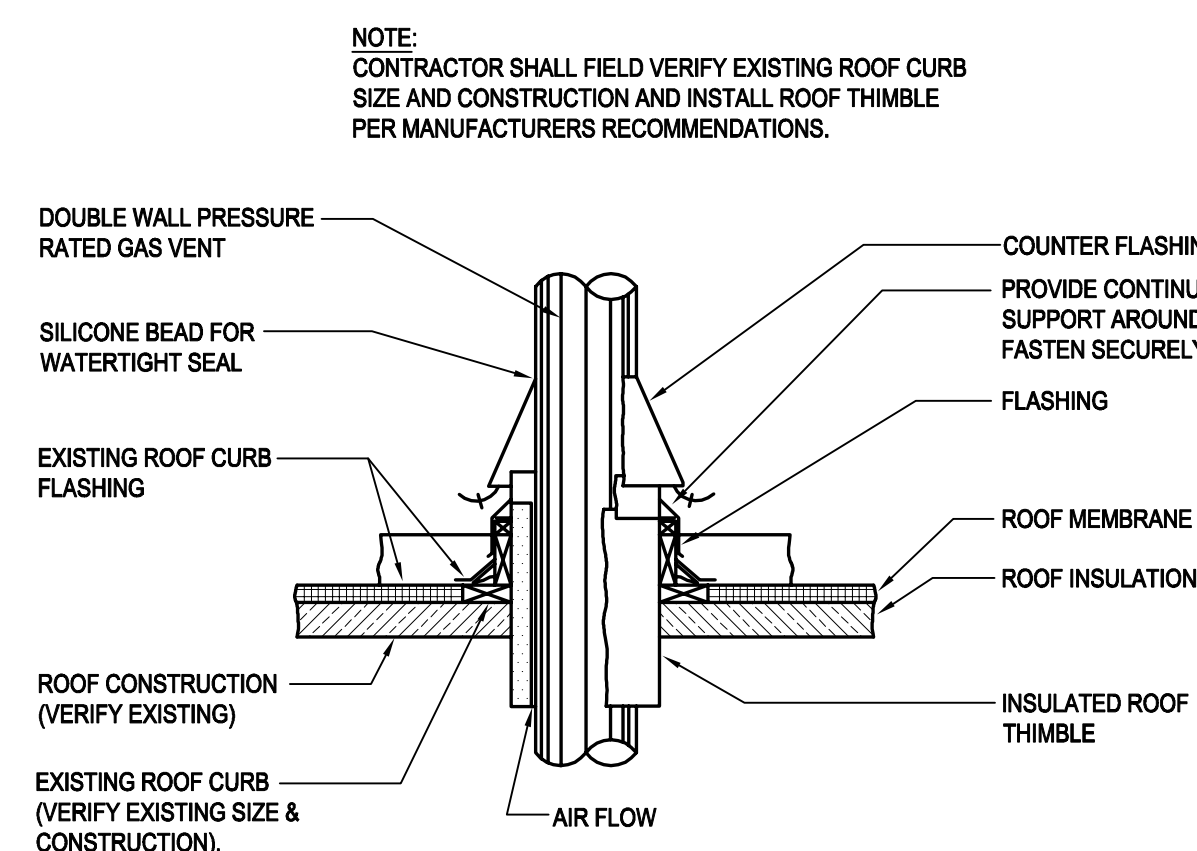
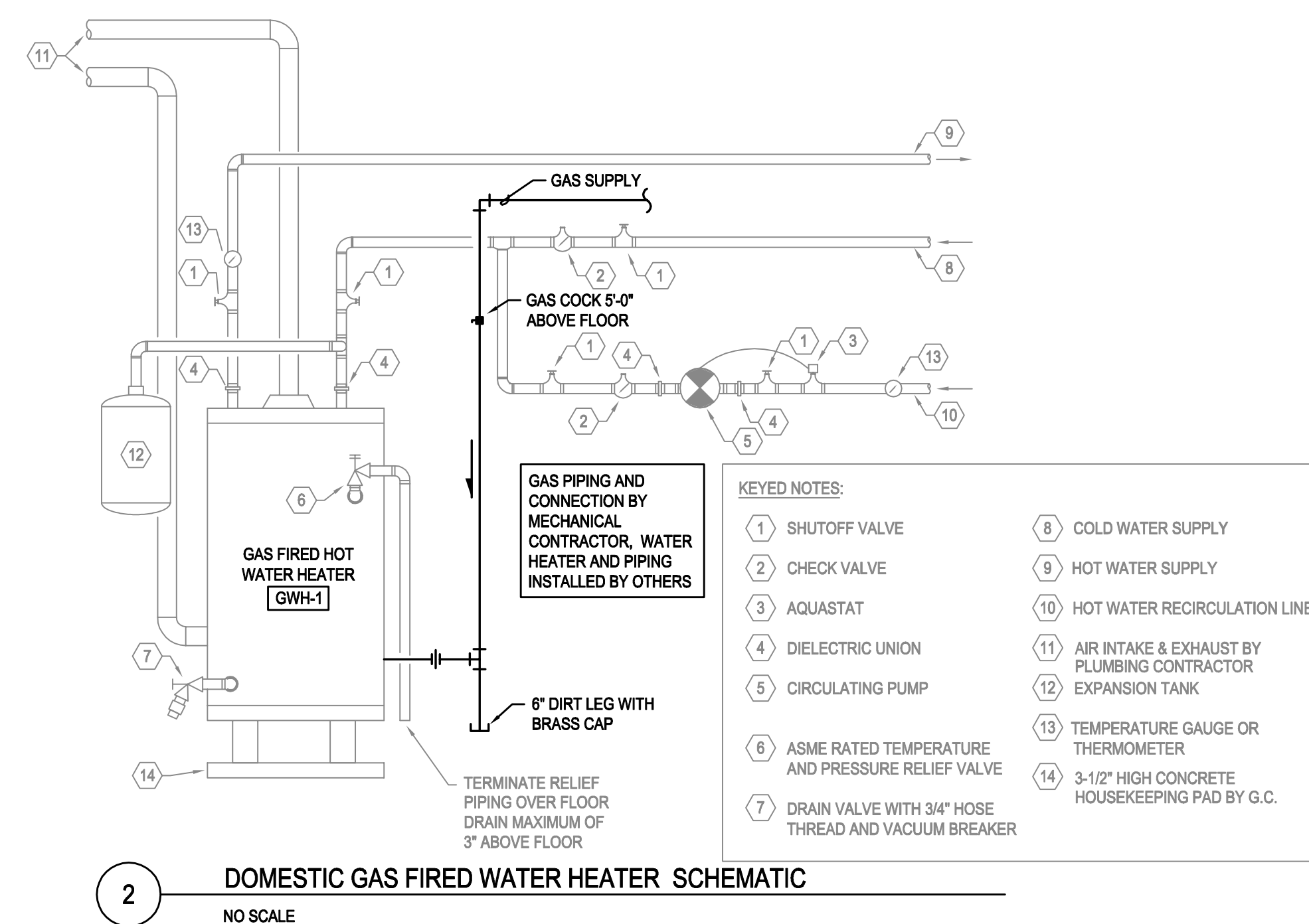
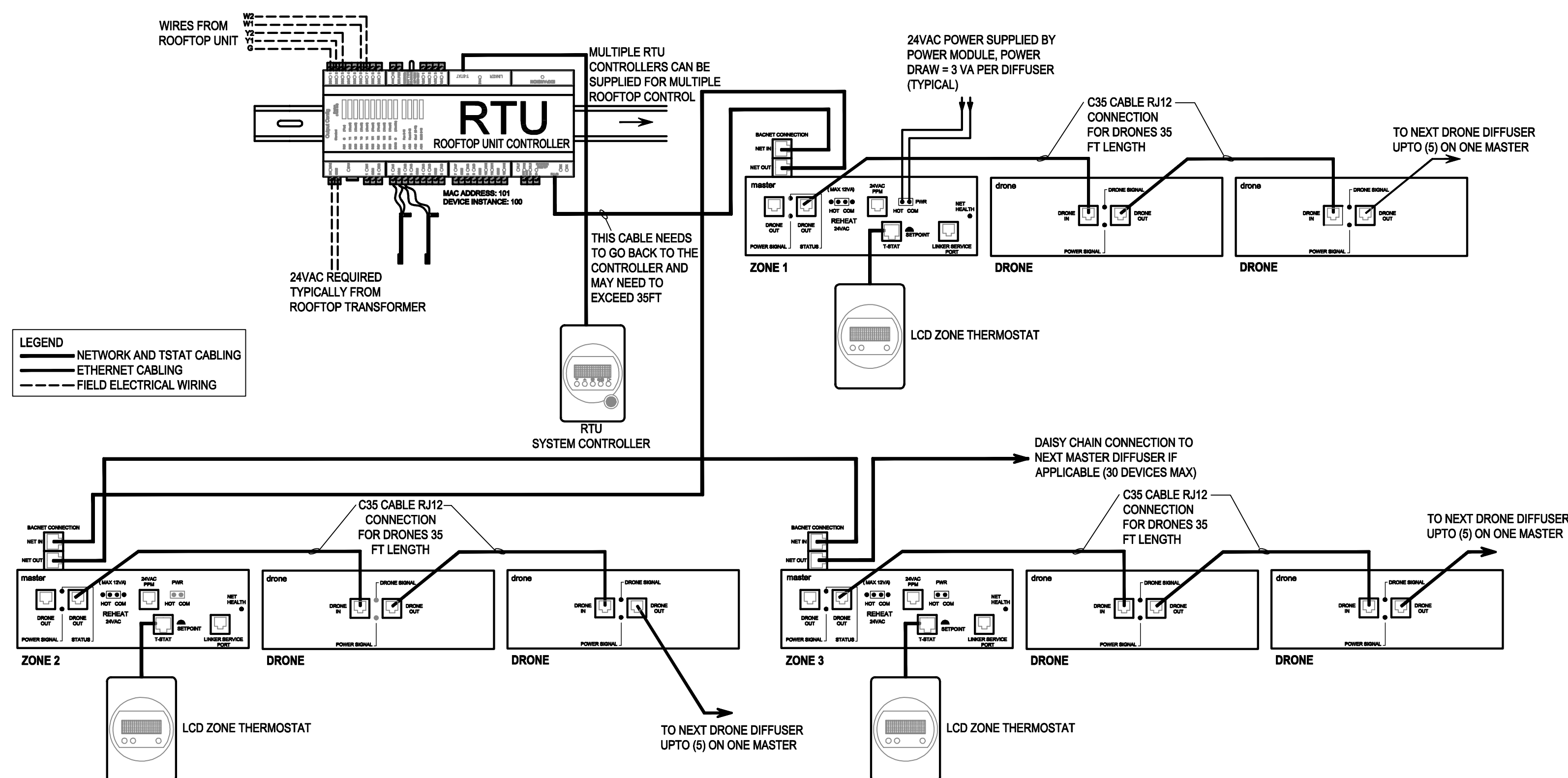
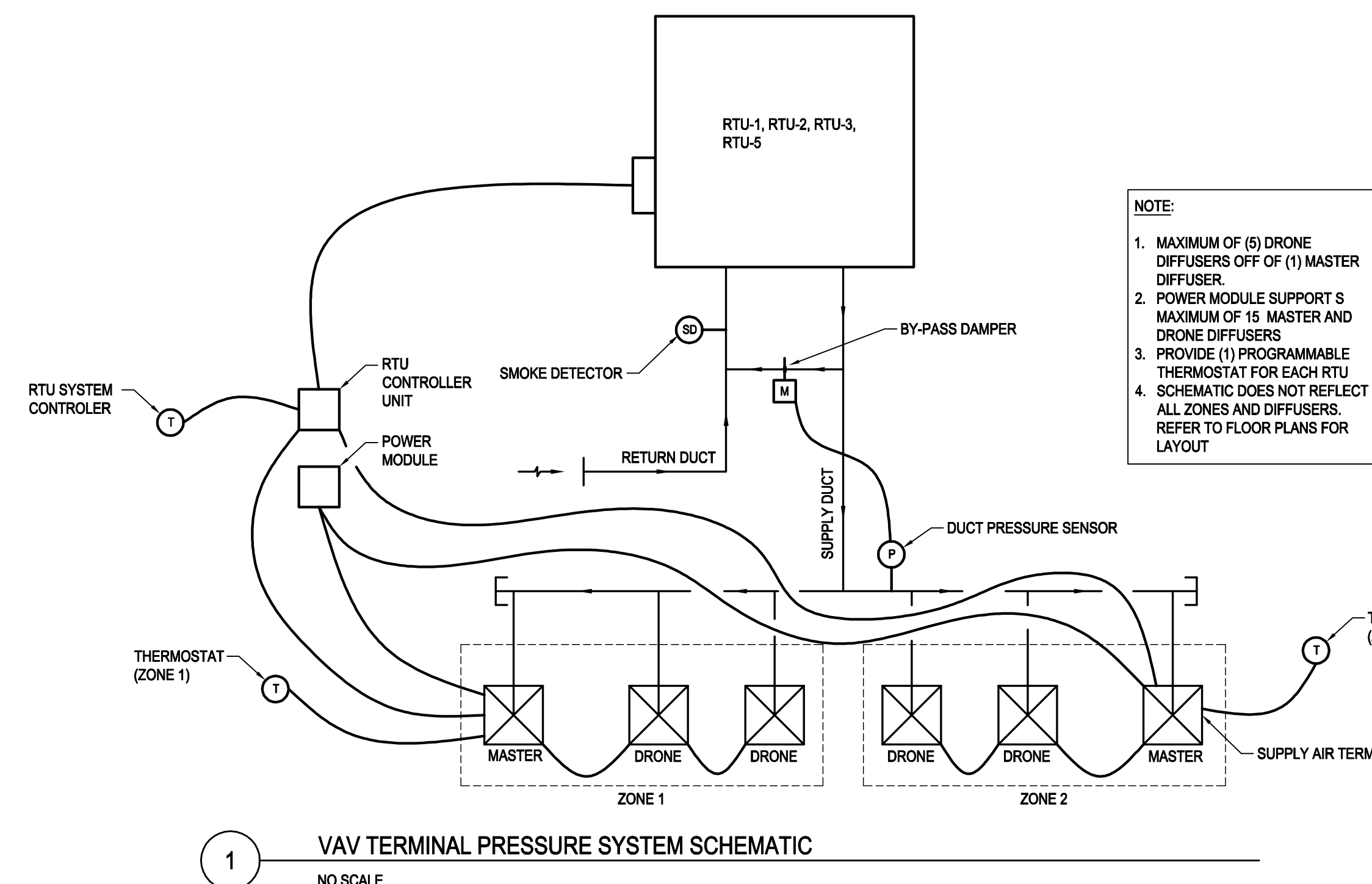
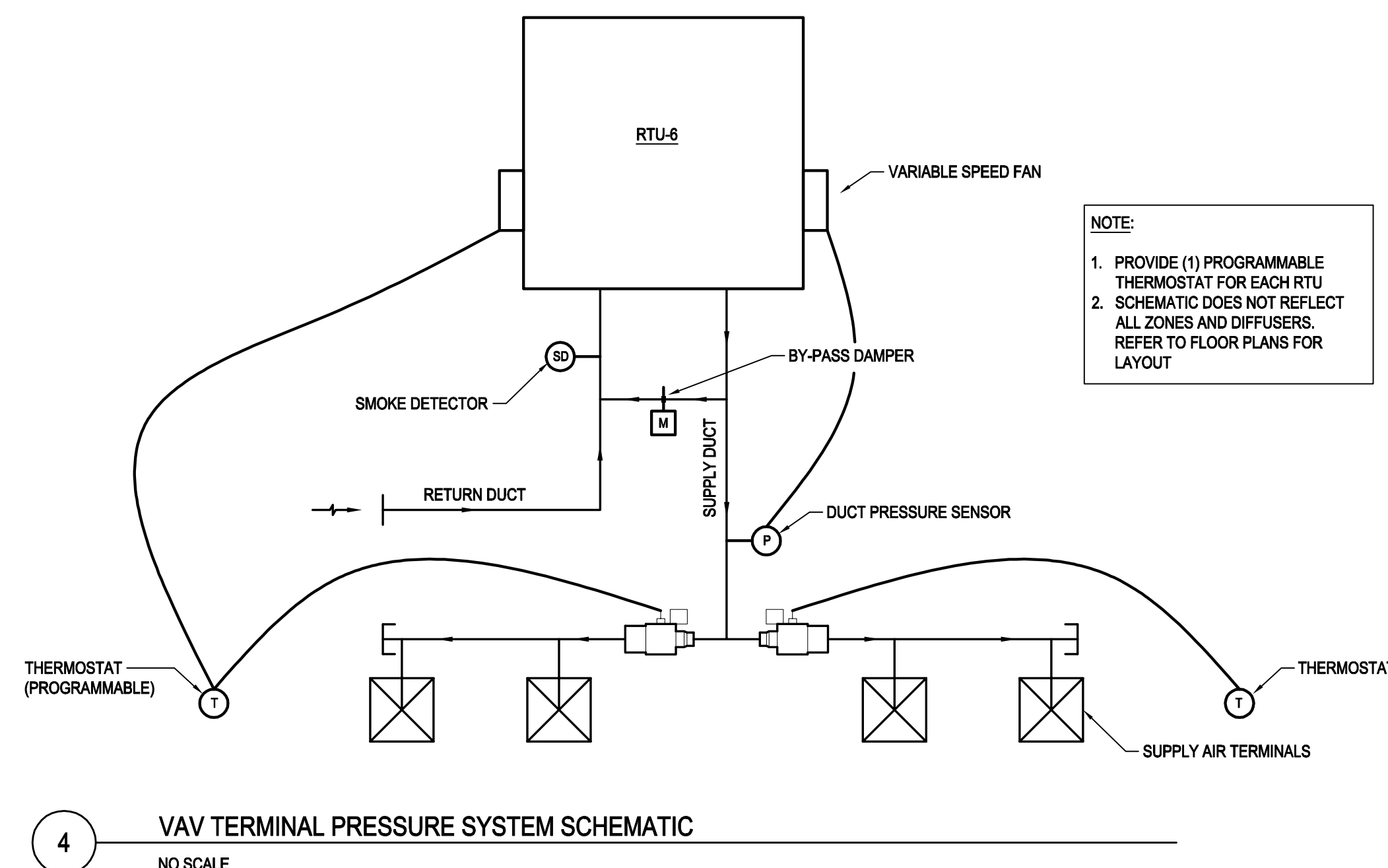
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MECHANICAL DETAILS

M301





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JOB NO: 7868

Meadowridge Branch Library
& Meadowood Neighborhood
Center

Madison, Wisconsin

Owner:
City of Madison
210 MLK Jr. Blvd
Madison, WI 53703-3342

PROJECT NUMBER132273.00

SEAL

ISSUED FOR:
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REVISION FOR:
NO. DESCRIPTIONDATE

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MECHANICAL
SCHEDULES

M400

AIR HANDLING UNIT SCHEDULE																																							
MARK	MANUFACTURER MODEL NO.	DESCRIPTION	LOCATION	SERVES	MIN. OUTSIDE AIR	MIN CFM	DESIGN CFM		TOTAL SP (WATER)	EXTERNAL SP (WATER)	FAN TYPE/SIZE	FAN RPM	FAN ELECTRICAL DATA				FILTERS			COOLING COIL					COMPRESSOR		CONDENSER					GAS HEATER				UNIT ELECTRICAL DATA			
							PRESENT	FUTURE					BHP	HP	VOLT	PH	NO.	SIZE	TYPE	REFRIG TYPE	SENSIBLE MBH	TOTAL MBH	EAT (DB/WB)	LAT (DB/WB)	NO.	TYPE	EAT	# FANS	MOTOR HP	EER	OUTPUT MBH	INPUT MBH	EAT	LAT	MCA	MAX CIRCUIT BREAKER	VOLTS	PHASE	
RTU-1	YSC120A3EHA2RD	TRANE PACKAGED ROOFTOP	ROOF		135	-	1125	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
RTU-2	YSC120A3EHA2RD	TRANE PACKAGED ROOFTOP	ROOF		490	-	3035	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
RTU-3	48TFE008-A-51-HQ	CARRIER PACKAGED ROOFTOP	ROOF		490	-	2120	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
RTU-4	48TFE008-A-51-HQ	CARRIER PACKAGED ROOFTOP	ROOF		235	-	1550	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
RTU-5	YSC120F3EHA04	TRANE PACKAGED ROOFTOP	ROOF		30	-	900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
RTU-6	YHC092E3RHA-xx-F	PACKAGED ROOFTOP	ROOF	COMMUNITY ROOM / KITCHEN	800	1160	2835	3120	2.16	1.8	FC CENTRIFUGAL	1391	1.95	3.75	208	3	4	20X25X 2	MERV 8	R-410A	58.7	81.2	89/74	55/53	2	SCROLL	-	1	3/4	12.6	160	200	-9	85	41	50	208	3	

- NOTES:
1. BASED ON TRANE PRECEDENT 7 1/2 TON HIGH EFFICIENCY
2. PROVIDE HIGH HEAT OPTION
3. PROVIDE MICROPROCESSOR UNIT CONTROLS
4. PROVIDE ECONOMIZER ENTHALPY 0-100% WITH BAROMETRIC RELIEF.
5. PROVIDE WITH VARIABLE SPEED FAN
6. EXISTING TO REMAIN

ELECTRIC CABINET UNIT HEATERS													
MARK	DESCRIPTION	MAKE/MODEL NO.	AIR FLOW PATTERN	DIMENSION LxHxD IN INCHES	CFM	FLOW RATE GPM	WATER PD IN FEET	ROWS	CAPACITY (BTU)	ELECTRICAL			REMARKS
										WATTS	VOLTS	PHASE	
CUH-1	ELECTRIC WALL HEATER	MARKEL / HF3326TD-RP	DOWN FLOW	19-1/2"Hx14-3/16"W x4"D	175	-	-	-	10350	3000	208	1	

- NOTES:
1.

GAS UNIT HEATERS													
MARK	DESCRIPTION	MAKE/MODEL NO.	AIR FLOW PATTERN	DIMENSION LxHxD IN INCHES	CFM	INPUT BTU	OUTPUT BTU	CAPACITY (MBH)	MOTOR				REMARKS
									HP	RPM	VOLTS	AMPS	
UH-1	GAS	STERLING / GG LOW PROFILE	-	30"Lx13"Hx 25 7/8"D	370	30,000	24,900	30	1/20	1650	115	1.9	1

- NOTES:
1.

ELECTRIC WALL FIN HEATERS								
MARK	DESCRIPTION	MAKE/MODEL NO.	STYLE	LENGTH	ELECTRIC			REMARKS
					WATTS/FT	VOLTS	PHASE	
WF-1	ELECTRIC	MARKEL / 9300	WALL MOUNT	SEE PLAN	250	208	1	1,2
WF-2	ELECTRIC	MARKEL	WALL MOUNT	SEE PLAN	125	208	1	1,2

- NOTES:
1. BOTTOM INLET
2. PROVIDE WITH RELAY

SINGLE DUCT VARIABLE & CONSTANT VOLUME TERMINAL UNIT SCHEDULE							
MARK	DESCRIPTION	SERVED BY AHU:	MAX CFM	MIN CFM	DUCT INLET DIA (IN)	BOX STATIC PRESSURE (IN WG)	NOTES
VAV-1	KITCHEN	RTU-6	1100	410	12	0.3 MAX	1
VAV-2	COMMUNITY RM	RTU-6	700	360	10	0.3 MAX	1
VAV-3	COMMUNITY RM	RTU-6	900	390	10	0.3 MAX	1

- NOTES:
1. MAXIMUM NOISE LEVEL 25 NC. @ 1.0" W.G. DIFFERENTIAL STATIC PRESSURE @ DISCHARGE. MAX CFM INDICATED IS BASED ON MAXIMUM OF 75% OF THE NOMINAL BOX CAPACITY. LEAVING AIR TEMPERATURE (LAT) SHALL NOT EXCEED 110°F WITHOUT ENGINEER APPROVAL. A 3'-0" MAX COIL WPD IS ACCEPTABLE. NORMALLY OPEN CONTROL DAMPER POSITION COORDINATE WITH CONTROL CONTRACTOR. PROVIDE WITH HOSPITAL GRADE, FIBER-FREE LINER AS SPECIFIED. BOX STATIC PRESSURE INCLUDES BOX AND COIL, WHEN COIL IS SPECIFIED.

2. BOX SELECTION IS BASED ON TITUS, MODEL DESV.

EXHAUST FAN SCHEDULE																		
MARK	LOCATION	SERVES	DESCRIPTION MODEL #	FAN DATA						FAN PERFORMANCE			MOTOR DATA				REMARKS	
				DRIVE TYPE	FAN TYPE AF, BI, FC	WHEEL DIAMETER (IN.)	OUTLET VELOCITY (FPM)	TIP SPEED (FPM)	FAN DISCHARGE UB, TH, AD	CFM	STATIC PRESSURE	RPM	BHP	RPM	HP	VOLTS		PHASE
EF-1	ROOF	KITCHEN HOOD	CUBE 141HP-5	BELT	BI	-	-	6,062	UB	660	1.5	1583	.35	1725	1/2	115	1	1,2,3
EF-2	ROOF	BATHROOMS	CUBE-161	BELT	BI	-	-	4,190	DB	2100	.5	963	.38	1725	1/2	115	1	1,4

- NOTES:
1. PROVIDE HINGED CURB
2. PROVIDE GREASE TRAP
3. UP BLAST FAN
4. FAN MINIMUM 700 CFM, AND MAXIMUM CFM 2100. REQUIRED FOR PROJECT PHASING.

SPLIT SYSTEM AIR CONDITIONING UNIT SCHEDULE																								
EVAPORATOR UNIT												AIR COOLED CONDENSING UNIT										SERVES	REMARKS	
MARK	MANUFACTURER	MODEL	TYPE	SUPPLY CFM	FILTER TYPE	FAN MOTOR					EAT		MARK	MANUFACTURER	MODEL	NOMINAL CAP. (BTUH/HR)	AMB. TEMP °F	SEER MINIMUM	UNIT ELECTRICAL DATA					
						VOLTS	PHASE	HP	DRIVE	NO. OF SPEEDS	DB °F	WB °F							VOLTS	PHASE	MCA			MOCP
AC-1	DATA AIRE	DAM-1.0	AIR	500	PLEATED	208	1	1/2	BELT	-	75	62.5	ACC-1	DATA AIR	DATA AIR	11,131	95	13	208	1	15	20	IT CLOSET	1

- NOTES:
1. SELECTION BASED ON DATA AIRE MINI-CEILING UNIT 1.0 TON

Madison, Wisconsin

Owner:
City of Madison
210 MLK Jr. Blvd
Madison, WI 53703-3342

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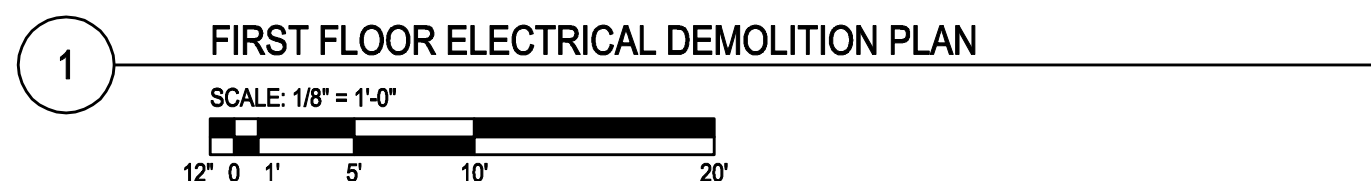
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FIRST FLOOR ELECTRICAL DEMOLITION PLAN

ED100



ELECTRICAL ABBREVIATIONS			
A, AMP	AMPERE	MOA	MULTI-OUTLET ASSEMBLY
AC	ABOVE COUNTER	MSS	MANUAL STARTER SWITCH
AF	ABOVE FINISHED FLOOR	MTR	MOTOR
AIC	AMPERE INTERRUPTING CAPACITY	MC	MECHANICAL CONTRACTOR
AL	ALUMINUM	MFR	MANUFACTURER
AHU	AIR HANDLING UNIT	N/C	NORMALLY CLOSED
ARCH	ARCHITECT, ARCHITECTURE	N/O	NORMALLY OPEN
ATS	AUTOMATIC TRANSFER SWITCH	NEC	NATIONAL ELECTRICAL CODE
AUX	AUXILIARY	NEMA	NATIONAL ELECTRICAL MFR'S ASSOC.
AV	AUDIO - VISUAL	NFSS	NON- FUSED SAFETY SWITCH
AP	ACCESS PANEL	NIC	NOT IN CONTRACT
BC	BELOW COUNTER	NL	NIGHT LIGHT
BTM	BOTTOM	NTS	NOT TO SCALE
C	CONDUIT	O.C.	ON CENTER
CB	CIRCUIT BREAKER	OL	OVERLOADS
CCTV	CLOSED CIRCUIT TELEVISION	P	POLE
CRT	CATHODE-RAY TUBE	PF	POWER FACTOR
CU	COPPER	PH	PHASE
CTR	COUNTER	PNL	PANEL
DED	DEDICATED	PP	POWER POLE
DC	DIRECT CURRENT	PR	PAIR
DISC	DISCONNECT	PRI	PRIMARY
DIST	DISTRIBUTION	P/T	POTENTIAL TRANSFORMER
DN	DOWN	PVC	POLYVINYL CHLORIDE
EC	ELECTRICAL CONTRACTOR	PC	PLUMBING CONTRACTOR
ECB	ENCLOSED CIRCUIT BREAKER	PMC	RIGID METALLIC CONDUIT
ELEC	ELECTRIC, ELECTRICAL	REQD	REQUIRED
EM	EMERGENCY	RVT	REDUCED VOLTAGE TRANSFORMER
EMT	ELECTRICAL METALLIC TUBING	SN	SOLID NEUTRAL
EQ	EQUIPMENT	SPEC	SPECIFICATION
EWC	ELECTRIC WATER COOLER	SPKR	SPEAKER
EX	EXISTING	SP	SPARE
EXP	EXPLOSION PROOF	SW	SWITCH
EXT	EXTERIOR	SWBD	SWITCHBOARD
F	FUSE	SWGR	SWITCHGEAR
FA	FIRE ALARM	SQFT	SQUARE FOOT
FLR	FLOOR	SS	STAINLESS STEEL
FVNR	FULL VOLTAGE NON-REVERSING	SC	SECURITY CONTRACTOR
FVR	FULL VOLTAGE REVERSING	TEL	TELEPHONE
FBO	FURNISHED BY OWNER/ OTHERS	TERM	TERMINAL
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	XFMR	TRANSFORMER
GND, GRD	GROUND	TV	TELEVISION
GC	GENERAL CONTRACTOR	TCP	TEMPERATURE CONTROL PANEL
GW	GAS WATER HEATER	TYP	TYPICAL
HOA	HAND-OFF-AUTOMATIC SWITCH	EU	UNDERGROUND ELECTRICAL
HP	HORSEPOWER	UG	UNDERGROUND
HV	HIGH VOLTAGE	UH	UNIT HEATER
HVAC	HEATING, VENTILATING, AIR CONDITIONING	UT	UNDERGROUND TELEPHONE
HC	HEATING CONTRACTOR	UOD	UNLESS OTHERWISE DENOTED
IMC	INTERMEDIATE METALLIC CONDUIT	V	VOLT
JB	JUNCTION BOX	VA	VOLT AMPERES
KV	KILOVOLT	VFD	VARIABLE FREQUENCY DRIVE
KVA	KILOVOLT-AMPERE	VOL	VOLUME
KVAR	KILOVOLT-AMPERE REACTIVE	VC	VENTILATION CONTRACTOR
KW	KILOWATT	W	WATT
KWH	KILOWATT HOUR	W/	WITH
LV	LOW VOLTAGE	W/O	WITHOUT
MCC	MOTOR CONTROL CENTER	WG	WIRE GUARD/PROTECTIVE SHIELDING
MCP	MOTOR CIRCUIT PROTECTOR	WP	WEATHERPROOF
MCB	MAIN CIRCUIT BREAKER	2S1W	2 SPEED SINGLE WINDING
MIN	MINIMUM	2S2W	2 SPEED DOUBLE WINDING
MISC	MISCELLANEOUS	TFA	TO FLOOR ABOVE
MLO	MAIN LUGS ONLY	TFB	TO FLOOR BELOW
MMC	MANUAL MOTOR CONTROLLER		

MOUNTING HEIGHTS OF ELECTRICAL DEVICES

"UP" MEANS UP FROM FINISHED FLOOR TO CENTERLINE OF DEVICE
"DN" MEANS DOWN FROM FINISHED CEILING TO CENTERLINE OF DEVICE

WALL SWITCHES
RECEPTACLES
DATA/TELEPHONE OUTLETS
WALL TELEPHONE OUTLETS
FIRE ALARM BREAKGLASS STATIONS
FIRE ALARM VISUAL APPLIANCES
PUSHBUTTON STATIONS
DISCONNECT SWITCHES
PANELS TOP @

UP 42"
UP 18"
UP 18"
UP 48"
UP 42"
UP 80"
UP 42"
UP 48"
72" (TOP)

GENERAL ELECTRICAL DEMOLITION REQUIREMENTS:

- ELECTRICAL CONTRACTOR SHALL VERIFY THE EXISTING CONDITIONS AT THE PROJECT SITE BEFORE SUBMITTING COST PROPOSAL.
- THE ELECTRICAL CONTRACTOR SHALL VISIT THE SITE TO VERIFY DEVICES NOT SHOWN. ALL DEVICES NEED TO BE REMOVED IN THE DEMOLITION AREA UNLESS NOTED ON THE DRAWINGS.
- IT IS MANDATORY THAT THE PORTION OF THE EXISTING BUILDING NOT UNDER CONSTRUCTION SHALL REMAIN IN CONTINUOUS AND NON-INTERRUPTED OPERATION DURING REMODELING/ALTERING SERVICES TO EXISTING BUILDING SHALL BE KEPT ON CONTINUOUS OPERATION INCLUDING POWER, LIGHTING, TELEPHONE, FIRE ALARM, ETC. ANY ABSOLUTELY NECESSARY INTERRUPTION OF THESE SERVICES TO ACCOMPLISH PROJECT CONSTRUCTION, SHALL BE HELD TO A MINIMUM AND ARRANGED WITH THE OWNER THROUGH THE GENERAL CONTRACTOR TWO (2) WEEKS IN ADVANCE. TEMPORARY SERVICES SHALL BE FURNISHED AND INSTALLED WHERE NECESSARY TO ACCOMPLISH THIS PURPOSE. TEMPORARIES SHALL BE REMOVED ONLY AFTER NEW PERMANENT SERVICES ARE INSTALLED AND FULLY OPERATIONAL.
- ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR HIS OWN DEMOLITION, REMOVAL, CAPPING, STORING, ABANDONING, DISCONNECTING, RELOCATING AND RECONNECTION OF EXISTING ELECTRICAL EQUIPMENT AND MATERIAL. ALL CUTTING, PATCHING, REPAIRING, REPLACEMENT AND REFINISHING, SHALL MATCH THE EXISTING CONSTRUCTION AS NEARLY AS POSSIBLE.
- EXCEPT WHERE OTHERWISE SHOWN OR NOTED ON DRAWING - "EXISTING TO REMAIN, RELOCATED" OR HEREINAFTER NOTED, ALL EXISTING ELECTRICAL EQUIPMENT AND MATERIAL IN AREAS TO BE REMODELED/ALTERED SHALL BE REMOVED WHERE THEY INTERFERE WITH PROPOSED NEW CONSTRUCTION AND/OR INTERFERE WITH PROPOSED USAGE OF SPACE BY OWNER AS FOLLOWS:
 - REMOVE ANY CONDUITS PROTRUDING ABOVE FINISHED FLOOR, CAP AND FINISH OVER WITH FLOOR MATERIAL TO MATCH EXISTING.
 - REMOVE ALL LIGHT FIXTURES, RECEPTACLES, SWITCHES, ETC. AND ASSOCIATED WIRING.
 - REMOVE ALL SURFACE MOUNTED CONDUIT/BOXES AND THEIR ASSOCIATED WIRING. REMOVE ALL CONCEALED RACEWAYS, BOXES AND WIRING FROM PARTITIONS BEING DEMOLISHED.
 - REMOVE ALL EXISTING WIRING/CABLING FROM ALL EXISTING CONCEALED RACEWAYS IN PARTITION THAT ARE TO REMAIN.
 - ANY FEEDERS, CONDUITS, BRANCH CIRCUITS, SIGNAL AND TELEPHONE CIRCUITS, ETC. PASSING THROUGH THE REMODELED AREAS TO SERVE (OR BE SERVED FROM) EXISTING ADJACENT, REMOTE OR SURROUNDING AREAS THAT ARE TO REMAIN, SHALL BE RETAINED AND KEPT OPERATIONAL AND SHALL BE REROUTED IN ALL CASES WHERE THEY INTERFERE WITH ANY NEW WORK OR USAGE TO BE ACCOMPLISHED IN THE REMODELED AREA.
 - WHERE DEVICES ARE OMITTED FROM PRESENT BRANCH CIRCUITS, THE REMAINING DEVICES SHALL BE REWIRED, IF NEEDED AND AS REQUIRED, TO REMAIN ON THEIR RESPECTIVE CIRCUITS AND IN OPERATING CONDITION.
- ELECTRICAL CONTRACTOR SHALL REFER TO ARCHITECTURAL DRAWINGS TO FAMILIARIZE HIMSELF WITH EXTENT OF ALTERATION/REMODELING WORK AND MORE SPECIFICALLY NOTE WHERE NEW PARTITIONING IS BEING INSTALLED, WHERE EXISTING PARTITIONING IS BEING REMOVED, WHERE CEILINGS ARE BEING REMOVED AND OR REPLACED, ETC.
- ALL WIRING (POWER, LIGHTING) NOT REUSED FOR REMODELING AREAS SHALL BE COMPLETELY REMOVED BACK TO ASSOCIATED PANELS. EMPTY BOXES AND CONDUITS SHALL BE REMOVED BEYOND REMODELED AREA (ABOVE CEILING).
- THE OWNER SHALL HAVE THE FIRST CHOICE TO ACCEPT EXISTING DEVICES BEING REMOVED.

GENERAL NOTES:

- ALL BRANCH CIRCUITS SHALL HAVE GROUND CONDUCTORS.
- THE ELECTRICAL CONTRACTOR SHALL PROVIDE, IF REQUIRED, ADJUSTMENTS (±) 6'-0" IN THE LOCATION OF ALL SYSTEM DEVICES, FIXTURES, OUTLETS, PANELS, ETC. IN ORDER TO EXPEDITE THE ELECTRICAL WORK. THE POSITION OF ALL WORK AS SHOWN IS INTENDED TO BE FIXED AND IN THE PROPER LOCATION. SUCH REQUIRED ADJUSTMENT SHALL BE DETERMINED BY THE A/E.
- PROVIDE SEPARATE NEUTRAL FOR EACH BRANCH CIRCUIT PHASE CONDUCTOR. FOR CLARITY NOT ALL NEUTRALS SHOWN ON BRANCH CIRCUIT CONDUIT ROUTING.
- WHERE NEW DEVICES ARE SHOWN THE ELECTRICAL CONTRACTOR SHALL DO ALL CUTTING, THE GENERAL CONTRACTOR SHALL DO ALL PATCHING AND PAINTING OF EXISTING WALLS. THE ELECTRICAL CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH EXISTING WALL CONSTRUCTION, WHERE POSSIBLE ELECTRICAL CONTRACTOR MAY USE EXISTING BRANCH CIRCUIT CONDUIT BUT NEW CIRCUIT WIRING WILL NEED TO BE PULLED.
- SMOKE DETECTORS SHALL BE MOUNTED A MINIMUM OF 3'-0" FROM EACH AIR SUPPLY DIFFUSER.

LINE WEIGHT KEY

- ALL ITEMS INDICATED BY A DARK SOLID LINE ARE NEW WORK
- ALL ITEMS INDICATED BY A LIGHT SOLID LINE ARE EXISTING TO REMAIN
- ALL ITEMS INDICATED BY A DASHED DARK LINE ARE DEMOLITION WORK

PHASING NOTES:

- SEE SPECIFICATIONS AND ARCHITECTURAL SHEETS FOR CONSTRUCTION PHASING REQUIREMENTS. DURING EACH PHASE, AS MUCH WORK AS POSSIBLE MUST BE PERFORMED WITHIN THE BOUNDARIES OF THAT PHASE.

NOT ALL SYMBOLS ARE USED

POWER SYSTEMS	
SYMBOL	DESCRIPTION
	LARGE ELECTRICAL EQUIPMENT WITH DESIGNATION - DRAWN TO SCALE
	MECHANICAL EQUIPMENT CONNECTION WITH DESIGNATION
	MOTOR WITH DESIGNATION
	GENERATOR SYSTEM WITH DESIGNATION
	TRANSFORMER WITH DESIGNATION - DRAWN TO SCALE
	DISCONNECT SWITCH, NON-FUSED
	DISCONNECT SWITCH WITH OVERCURRENT PROTECTION
	MOTOR STARTER
	COMBINATION MOTOR STARTER / DISCONNECT SWITCH
	JUNCTION BOX
	PULL BOX
	CONTACTOR
	EQUIPMENT CONNECTION, NORMAL POWER
	EQUIPMENT CONNECTION, EMERGENCY POWER
	MANUAL MOTOR STARTER WITH OVERLOAD PROTECTION
	GROUND BAR
	DISTRIBUTION PANEL WITH DESIGNATION
	BRANCH PANEL WITH DESIGNATION
	VARIABLE FREQUENCY DRIVE; FURNISHED BY MC/H/C/V/C INSTALLED BY EC
	VARIABLE FREQUENCY DRIVE; FURNISHED BY MC/H/C/V/C INSTALLED BY EC
	GENERATOR REMOTE ANNUNCIATOR
	LIGHTNING PROTECTION SYSTEM AIR TERMINAL
	LIGHTNING PROTECTION SYSTEM DOWN CONDUCTOR LOCATION
	LIGHTNING PROTECTION SYSTEM GROUND ROD LOCATION

RECEPTACLES

SYMBOL	DESCRIPTION
	SURFACE RACEWAY, SEE SPECIFICATIONS, SEE DRAWINGS FOR LENGTH
	SIMPLEX RECEPTACLE
	CEILING SIMPLEX RECEPTACLE
	SIMPLEX RECEPTACLE EMERGENCY
	SIMPLEX RECEPTACLE EMERGENCY ABOVE COUNTER
	DUPLEX RECEPTACLE NORMAL
	ELECTRIC WATER COOLER
	GROUND FAULT CIRCUIT INTERRUPTER
	ISOLATED GROUND
	TRANSIENT VOLTAGE SURGE SUPPRESSOR
	TAMPER RESISTANT
	WEATHER PROOF
	RECEPTACLE WITH INTEGRAL USB CHARGING STATION
	DUPLEX RECEPTACLE ABOVE COUNTER NORMAL
	DUPLEX RECEPTACLE EMERGENCY
	DUPLEX RECEPTACLE ABOVE COUNTER EMERGENCY
	CEILING MOUNTED DUPLEX RECEPTACLE
	FLOOR MOUNTED DUPLEX RECEPTACLE EMERGENCY
	CEILING MOUNTED DUPLEX RECEPTACLE EMERGENCY
	FLOOR MOUNTED DUPLEX RECEPTACLE
	RECEPTACLES GROUPED IN COMMON FLOOR BOX
	TWO DUPLEX RECEPTACLES ALIGNED VERTICALLY
	SWITCHED TOP HALF NORMAL NORMAL
	SWITCHED TOP HALF EMERGENCY
	QUADRUPLIX RECEPTACLE NORMAL
	QUADRUPLIX RECEPTACLE EMERGENCY
	CEILING QUADRUPLIX RECEPTACLE NORMAL
	FLOOR MOUNTED QUADRUPLIX RECEPTACLE NORMAL
	FLOOR MOUNTED QUADRUPLIX RECEPTACLE EMERGENCY
	TWO QUADRUPLIX RECEPTACLES ALIGNED VERTICALLY
	SIMPLEX SPECIAL RECEPTACLE
	SIMPLEX SPECIAL RECEPTACLE EMERGENCY
	FLOOR MOUNTED SPECIAL RECEPTACLE
	CEILING MOUNTED SPECIAL RECEPTACLE
	FLOOR MOUNTED SPECIAL RECEPTACLE EMERGENCY
	CEILING MOUNTED SPECIAL RECEPTACLE EMERGENCY
	POKE-THRU WITH DUPLEX RECEPTACLE(S)
	FLOOR BOX WITH COMBINATION COMM/TEL OUTLET(S) AND DUPLEX RECEPTACLE(S)
	POKE-THRU MODULAR FURNITURE FEED, POWER

TELECOMMUNICATIONS SYSTEMS

SYMBOL	DESCRIPTION
	TELECOMMUNICATIONS OUTLET - 4X4 SQUARE BACK BOX WITH 1 GANG MUD RING AND (1)1" C ROUTED UP TO ABOVE ACCESSIBLE CEILING.
	WALL TELEPHONE OUTLET

NOT ALL SYMBOLS ARE USED

NOT ALL SYMBOLS ARE USED

LIGHTING FIXTURES	
SYMBOL	DESCRIPTION
	SURFACE / SUSPENDED MOUNTED INCANDESCENT, FLUORESCENT, HID, OR LED, NORMAL POWER
	SURFACE / SUSPENDED MOUNTED INCANDESCENT, FLUORESCENT, HID, OR LED, EMERGENCY POWER
	SURFACE / RECESSED WALL WASH, NORMAL POWER
	SURFACE / RECESSED WALL WASH, EMERGENCY POWER
	RECESSED MOUNTED INCANDESCENT FLUORESCENT, LED, OR HID, NORMAL POWER
	RECESSED MOUNTED INCANDESCENT FLUORESCENT, LED, OR HID, EMERGENCY POWER
	WALL SCONCE, NORMAL POWER
	WALL SCONCE, EMERGENCY POWER
	SURFACE / RECESSED MOUNTED FLUORESCENT TROFFER, NORMAL POWER
	SURFACE / RECESSED MOUNTED FLUORESCENT TROFFER, EMERGENCY POWER
	LINEAR WALL WASH, NORMAL POWER
	LINEAR WALL WASH, EMERGENCY POWER
	SURFACE/SUSPENDED MOUNTED FLUORESCENT STRIP OR LINEAR, NORMAL POWER
	SURFACE/SUSPENDED MOUNTED FLUORESCENT STRIP OR LINEAR, EMERGENCY POWER
	WALL MOUNTED FLUORESCENT STRIP OR LINEAR, NORMAL POWER
	WALL MOUNTED FLUORESCENT STRIP OR LINEAR, EMERGENCY POWER
	EXIT SIGN - FACES AND ARROWS AS SHOWN
	BATTERY PACK EMERGENCY LIGHTING
	TRACK LIGHTING - HEADS AS SHOWN
	DENOTES WALL MOUNTING

FIRE ALARM SYMBOLS

SYMBOL	DESCRIPTION
	FIRE ALARM CONTROL PANEL
	ANNUNCIATOR PANEL
	SMOKE DETECTOR - AIR SAMPLING DEVICE
	BEAM DETECTOR RECEIVER
	BEAM DETECTOR TRANSMITTER
	CONTROL MODULE
	MONITOR MODULE
	AUTOMATIC SENSOR - DUCT SMOKE DETECTOR
	DUCT SMOKE DETECTOR TEST SWITCH
	DUCT DAMPER POSITION INDICATOR
	FIRE FIGHTER HANDSET
	AUTOMATIC SENSOR - HEAT DETECTOR
	AUTOMATIC SENSOR - IONIZATION DETECTOR
	MAGNETIC DOOR HOLD-OPEN
	MANUAL PULL STATION
	ADDRESSABLE RELAY / MONITOR RELAY
	FAN SHUTDOWN RELAY
	AUTOMATIC SENSOR - SMOKE DETECTOR
	WATER FLOW SWITCH
	WATER VALVE TAMPER SWITCH
	AUDIBLE ALARM - HORN / SPEAKER / BELL / CHIME
	AUDIBLE / VISUAL ALARM - HORN / SPEAKER / BELL / CHIME
	VISUAL ALARM: W=WEATHER-PROOF

SWITCHES

SYMBOL	DESCRIPTION
	SINGLE POLE (LOWER CASE LETTER INDICATES SWITCH LEG)
	DOUBLE POLE
	THREE WAY
	FOUR WAY
	START-STOP PUSH BUTTON
	DIMMER
	DOOR JAMB
	KEY OPERATED
	LOW VOLTAGE
	PILOT LIGHT
	TIMER
	LOW VOLTAGE
	OCCUPANCY SENSOR "X" DENOTES TYPE; SEE OCCUPANCY SENSOR SCHEDULE
	SWITCH STATION; SEE SWITCH STATION SCHEDULE
	DAYLIGHT HARVESTING PHOTOCCELL
	EPO - EMERGENCY POWER OFF
	MOMENTARY SWITCH, SINGLE POLE
	UL924 EMERGENCY LIGHTING CONTROL UNIT
	PUSH PLATE / DOOR OPERATOR
	START / STOP PUSH BUTTON

NOT ALL SYMBOLS ARE USED



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JOB NO: 7868

Meadowridge Branch Library & Meadowood Neighborhood Center

Madison, Wisconsin

Owner:
City of Madison
210 MLK Jr. Blvd
Madison, WI 53703-3342

PROJECT NUMBER 132273.00

SEAL

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ELECTRICAL NOTES, SYMBOLS, AND ABBREVIATIONS

E000

Meadowridge Branch Library
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Center

Madison, Wisconsin

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FIRST FLOOR
LIGHTING NEW
WORK PLAN

E100

KEYED NEW WORK NOTES (SHEET E100):

- ON/OFF DAYLIGHT SENSOR REFER TO DETAIL #8 ON SHEET E300 FOR WIRING DIAGRAM.
- FIXTURE ROUTED VERTICALLY, RECESSED IN THE FACE OF THE SOFFIT. SEE DETAIL #10N SHEET E301.

KEYED NEW WORK NOTES (SHEET E100):

- PROVIDE LOCKABLE SWITCH COVER.
- RELOCATED WALL MOUNTED BATTERY BACK-UP FOR EXTERIOR FIXTURE MOUNTED 11'-0" AFF.
- NEW TIME-CLOCK INTERCEPT AND EXTEND BRANCH CIRCUITRY SERVING EXISTING LIGHTING CANOPY STORE FRONT LIGHTING. REWORK EXISTING PHOTOCELL CONNECTION THE NEW TIME CLOCK.
- RELOCATED LIGHTING RELAY PANEL: MANUFACTURER: DOUGLAS LIGHTING CONTROL WITH 14 RELAYS (MODEL: WR1611-82). TIME/PHOTO CONTROLLER IS A WTP-4408. THE ELECTRICAL CONTRACTOR SHALL HAVE ALL RE-PROGRAMMING OF THE LIGHT CONTROL PANEL COMPLETED BY A PERSON CERTIFIED BY THE FACTORY TO PROGRAM THIS TYPE OF SYSTEM.
- CLOSED LOOP DAYLIGHT SENSOR REFER TO DETAIL #7 ON SHEET E300 FOR WIRING DIAGRAM.

GENERAL NOTES (SHEET E100):

- PANEL DIVISION LINES INDICATE THE PANEL WHERE BRANCH CIRCUITRY SHALL ORIGINATE.

LINE WEIGHT KEY

- ALL ITEMS INDICATED BY A LIGHT SOLID LINE ARE EXISTING TO REMAIN
- ALL ITEMS INDICATED BY A DARK DASHED LINE ARE TO BE DEMOLISHED, REWORKED OR RELOCATED.



1 FIRST FLOOR LIGHTING NEW WORK PLAN
SCALE: 1/8" = 1'-0"
12' 0' 1' 5' 10' 20'



KEYED NEW WORK NOTES (SHEET E110):

- 16 PROVIDE LOCKABLE COVER
- 17 FIBER OPTIC DEMARC LOCATION
- 18 (3) MONITOR MODULES TO INTERFACE BETWEEN THE FIRE SUPPRESSION SYSTEM AND FIRE ALARM SYSTEM.
- 19 SECURITY GATE CONNECTIONS: MOUNT POWER CONNECTION 6" AFF AND RECEIVE FLOOR MOUNTED SURFACE RACEWAY (LEGRAND OFRB-8 OR AVE APPROVED EQUAL) FROM SECURITY GATE POWER POWER CONNECTION TO THE SECURITY GATE.
- 20 SEE DETAIL #2 ON SHEET E301 FOR ONE-LINE DIAGRAM AND ADDITIONAL INFORMATION.
- 21 SEE DETAIL #3 ON SHEET E301 FOR ONE-LINE DIAGRAM AND ADDITIONAL INFORMATION.
- 22 SEE DETAIL #4 ON SHEET E301 FOR ONE-LINE DIAGRAM AND ADDITIONAL INFORMATION.

KEYED NEW WORK NOTES (SHEET E110):

- 1 FIRE SUPPRESSION SYSTEM: COORDINATE EXACT MOUNTING LOCATION WITH FOOD SERVICE CONTRACTOR. PROVIDE CONDUCTORS FROM FROM SHUNT TRIP BREAKER TO CONTROL COIL TO FIRE SUPPRESSION CONTROL RELAY. PROVIDE ADDITIONAL 4" OCTAGONAL JUNCTION BOX MOUNTED 54" AFF WITH A 3/4" C STUBBED UP TO ACCESSIBLE CEILING FOR PULL STATION.
- 2 (1) 3/4" FOR 120V BRANCH CIRCUITRY ROUTED FROM FLOOR MOUNTED RECEPTACLE AND TRANSITION TO 3/4" PVC CONDUIT ROUTED IN SLAB AND STUBBED UP WALL. ONCE IN THE WALL TRANSITION TO 3/4" EMT.
- 3 GARBAGE DISPOSER: PROVIDE CONNECTION FROM DISPOSER, TO SOLENOID, AND TO SWITCH. MOUNT SOLENOID ABOVE THE SINK AND THE SWITCH SHALL BE MOUNTED BELOW THE SINK NEAR THE MOTOR. COORDINATE EXACT LOCATION WITH FOOD SERVICE CONTRACTOR. MOUNT ROUGH-IN BACKBOX 16" AFF FOR MOTOR CONNECTION.
- 4 UNDER COUNTER DISHWASHER CONNECTION. MOUNT ROUGH-IN BACKBOX 16" AFF. COORDINATE EXACT ROUGH-IN LOCATION WITH FOOD SERVICE CONTRACTOR.
- 5 (1) 3/4" FOR POWER ROUTED FROM ABOVE CEILING AND (1) 1" ROUTED FROM ABOVE CEILING TO SERVE RECEPTACLES AND DATA IN MILLWORK. REFER TO DETAIL 3/E301 FOR RACEWAY, CONDUIT TERMINATIONS AND RACEWAY CONCEALMENT PLATE.

KEYED NEW WORK NOTES (SHEET E110):

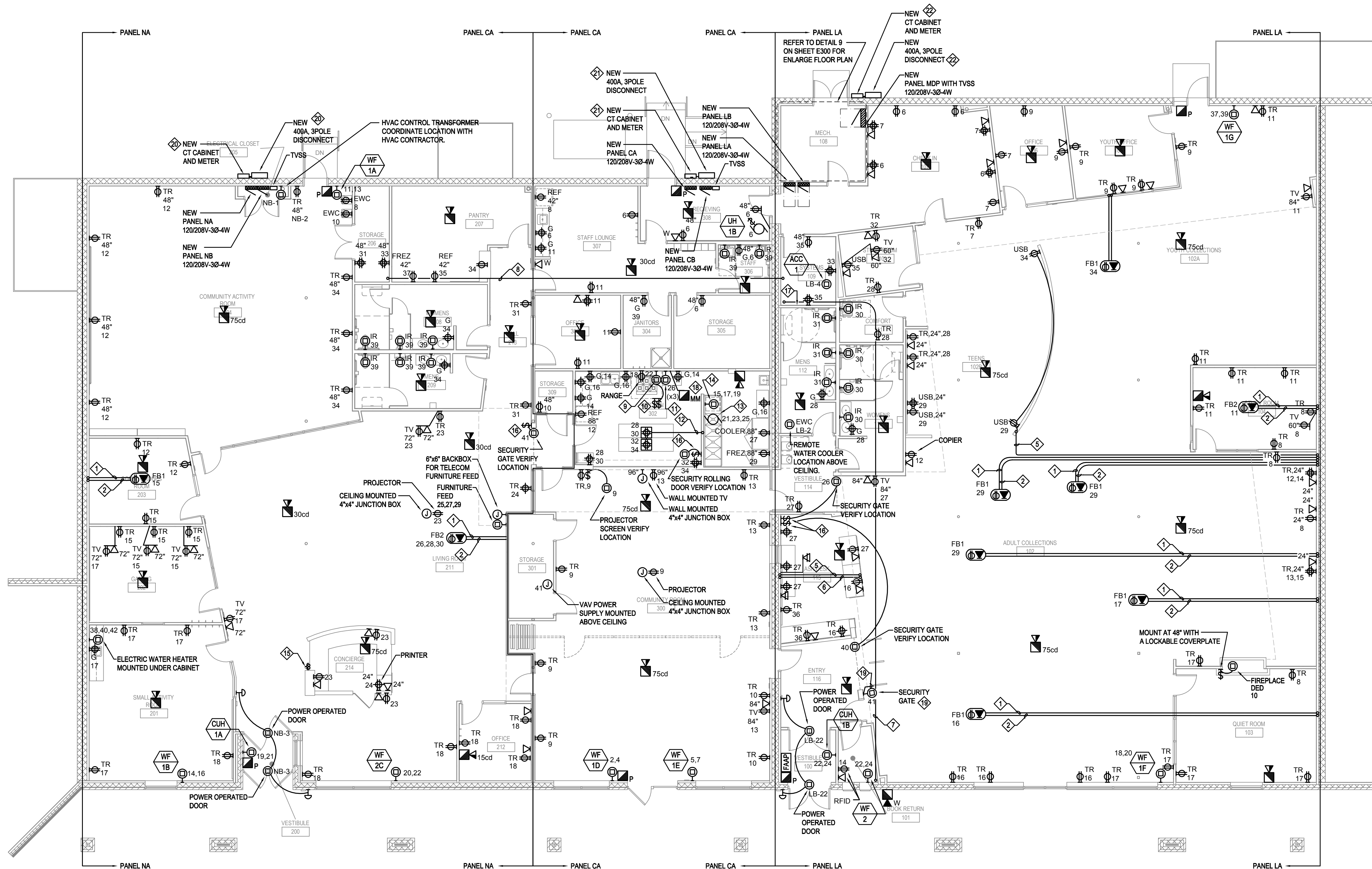
- 6 (1) 2" PVC CONDUIT FOR TELECOM. CABLING ROUTED IN SLAB TO THE NEXT FLOOR BOX.
- 7 (1) 3/4" FOR 120V BRANCH CIRCUITRY ROUTED FROM PART HEIGHT WALL OR CASEWORK AND TRANSITION TO 3/4" PVC CONDUIT ROUTED IN SLAB AND STUBBED UP WALL. ONCE IN THE WALL TRANSITION TO 3/4" EMT.
- 8 (1) 2" FOR TELECOM. CABLING ROUTED FROM PART HEIGHT WALL OR CASEWORK AND TRANSITION TO 2" PVC CONDUIT ROUTED IN SLAB AND STUBBED UP WALL. ONCE IN THE WALL TRANSITION TO 2" EMT AND STUB UP TO ACCESSIBLE CEILING.
- 9 (1) 1" C ROUTED UP TO ACCESSIBLE CEILING AND STUBBED DOWN INTO THE SYSTEMS ROOM 109. FOR OWNER PROVIDED TELECOMMUNICATIONS CABLING.
- 10 (1) 1" C ROUTED FROM SYSTEMS ROOM 109 TO STORAGE ROOM 206. CONDUIT SHALL BE ROUTED TIGHT TO THE BOTTOM OF THE ROOF TRUSS.
- 11 EXHAUST HOOD LIGHTING CONNECTION: COORDINATE ROUGH-IN LOCATION WITH FOOD SERVICE CONTRACTOR. LIGHT SWITCH SHALL BE MOUNTED ON THE FRONT FACE OF THE HOOD.
- 12 EXHAUST HOOD FAN CONTROL. ROUTE LINE VOLTAGE CONDUCTORS OUTSIDE OF EXHAUST HOOD AND DUCT WORK.

GENERAL NOTES (SHEET E110):

1. ALL CONDUIT AND WIRE SHALL BE CONCEALED IN WALLS OR ABOVE CEILINGS.
2. COORDINATE ALL FLOOR BOX LOCATIONS WITH ARCHITECTURAL/ FURNITURE PLANS.
3. ALL FLOOR CUTTING AND PATCHING SHALL BE PERFORMED BY THE ELECTRICAL CONTRACTOR.
4. ALL FIRE ALARM STROBES SHALL BE 15cd UNLESS OTHERWISE NOTED.
5. VERIFY MOUNTING HEIGHTS FOR WALL MOUNTED TVS, SEE A SERIES DRAWINGS FOR EXACT LOCATION.

KEYED NEW WORK NOTES (SHEET E110):

- 1 (1) 3/4" PVC CONDUIT FOR 120V BRANCH CIRCUITRY ROUTED IN SLAB FROM FLOOR BOX AND STUBBED UP WALL. ONCE IN THE WALL TRANSITION TO 3/4" EMT.
- 2 (1) 2" PVC CONDUIT FOR TELECOM. CABLING ROUTED IN SLAB FROM FLOOR BOX AND STUBBED UP WALL. ONCE IN THE WALL TRANSITION TO 2" EMT AND STUB UP TO ACCESSIBLE CEILING.
- 3 (1) 3/4" PVC CONDUIT FOR 120V BRANCH CIRCUITRY ROUTED IN SLAB TO THE NEXT FLOOR BOX.



1 FIRST FLOOR POWER NEW WORK PLAN
SCALE: 1/8" = 1'-0"
12' 0' 1' 5' 10' 20'

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JOB NO: 7868

Meadowridge Branch Library
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Madison, Wisconsin

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FIRST FLOOR
POWER NEW WORK
PLAN

E110

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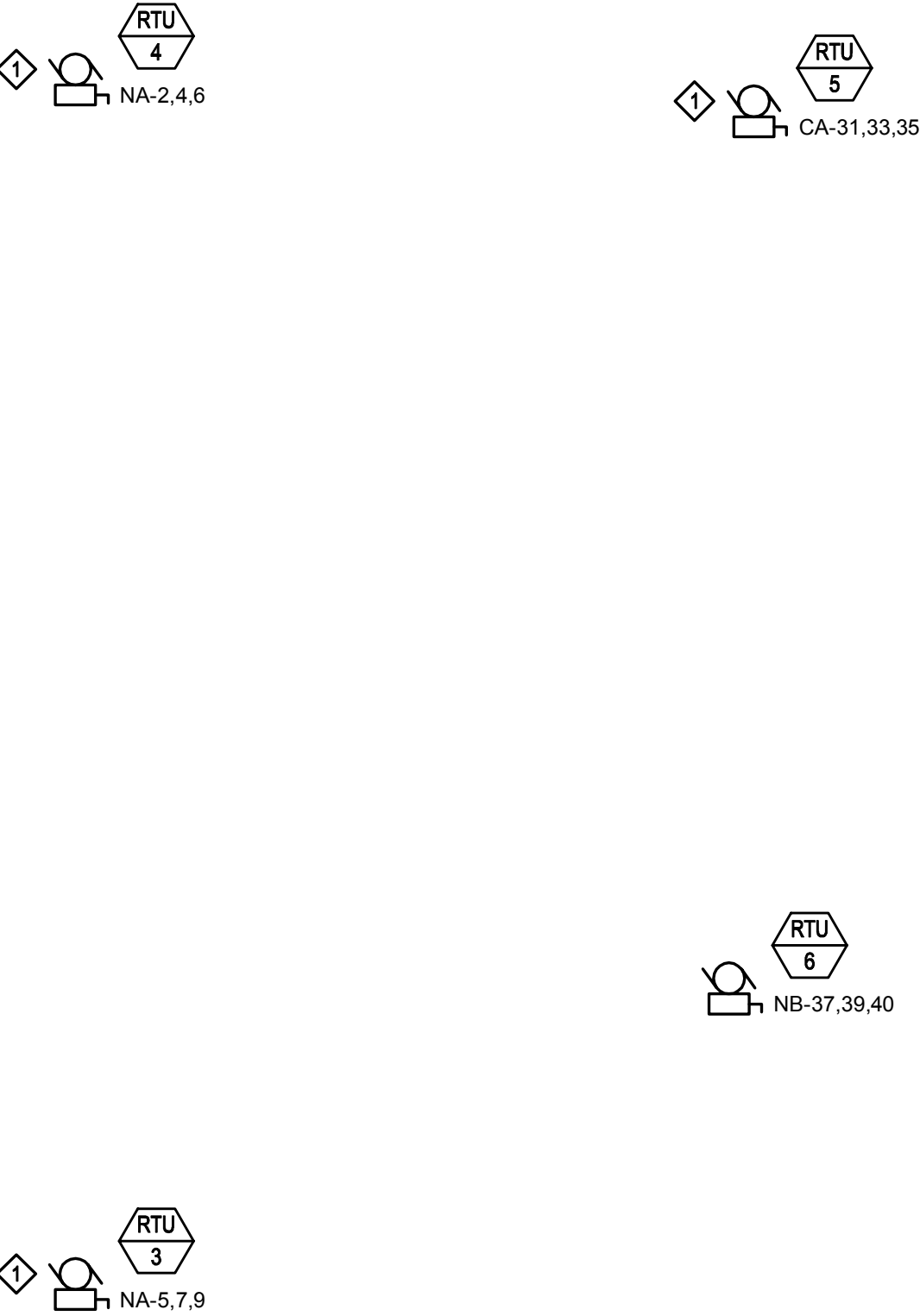
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ROOF ELECTRICAL
NEW WORK PLAN

E200

KEYED NEW WORK NOTES (SHEET E200):

EXISTING ROOF TOP UNITS (RTU'S) PROVIDE NEW CONDUCTORS AND RACEWAY TO PANELS AS INDICATED. RACEWAY SHALL BE ROUTED ON THE INTERIOR OF THE SPACE AND NOT ACROSS THE ROOF.



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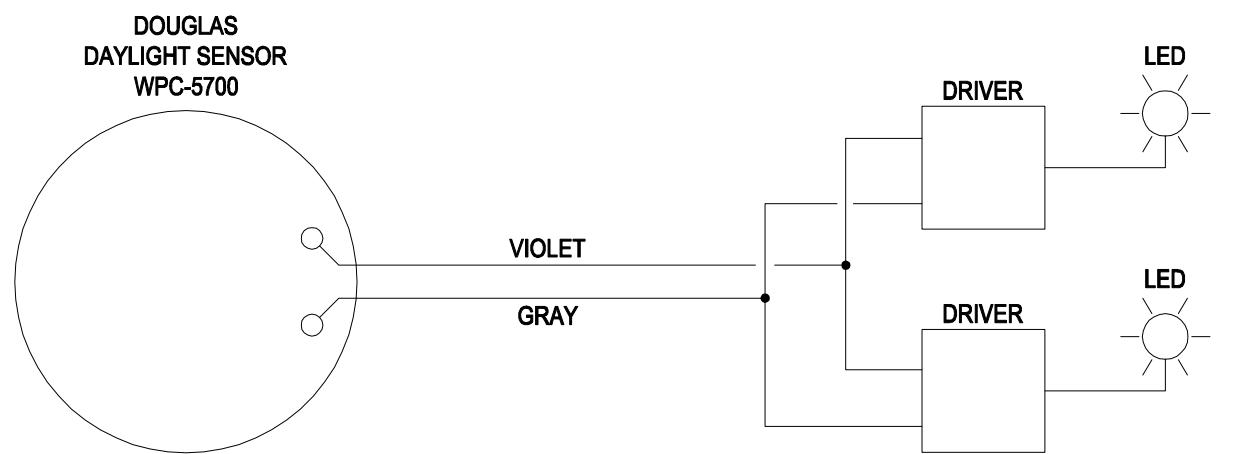
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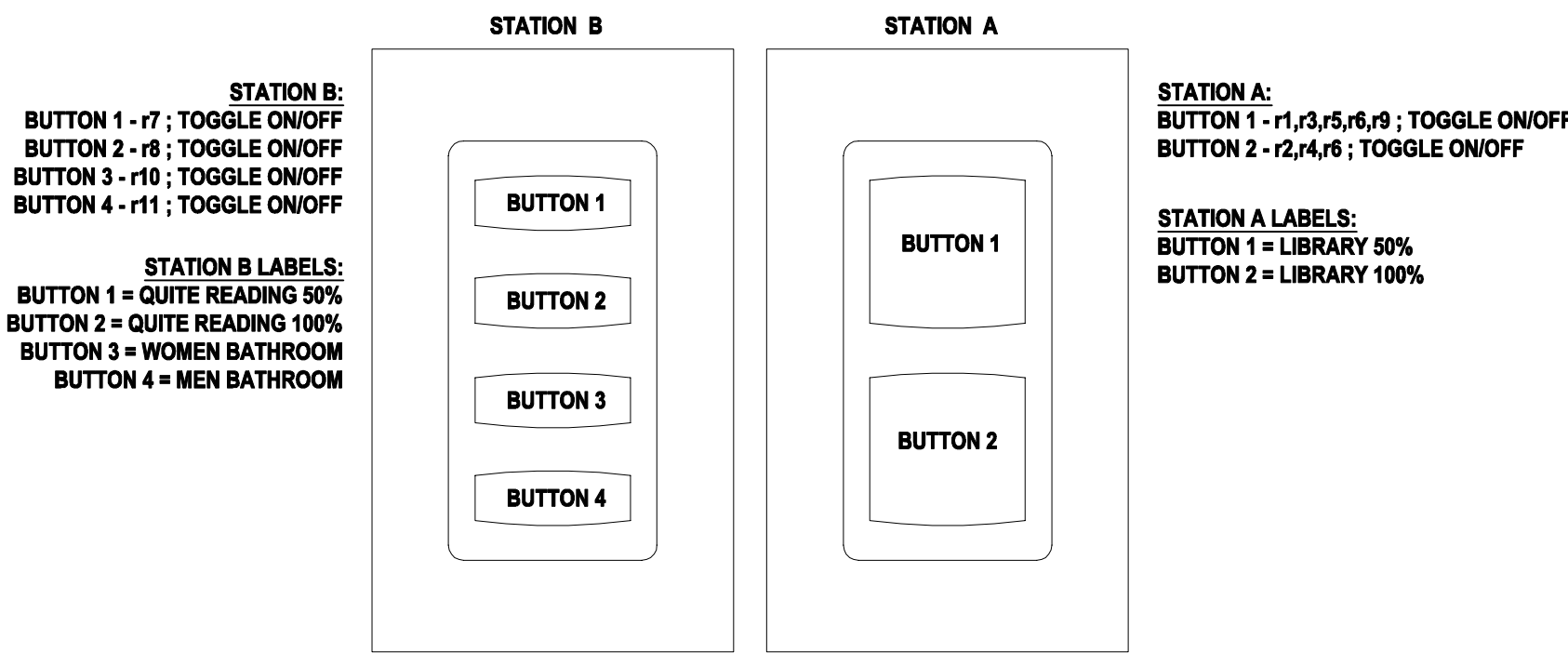
ELECTRICAL
DETAILS

E300

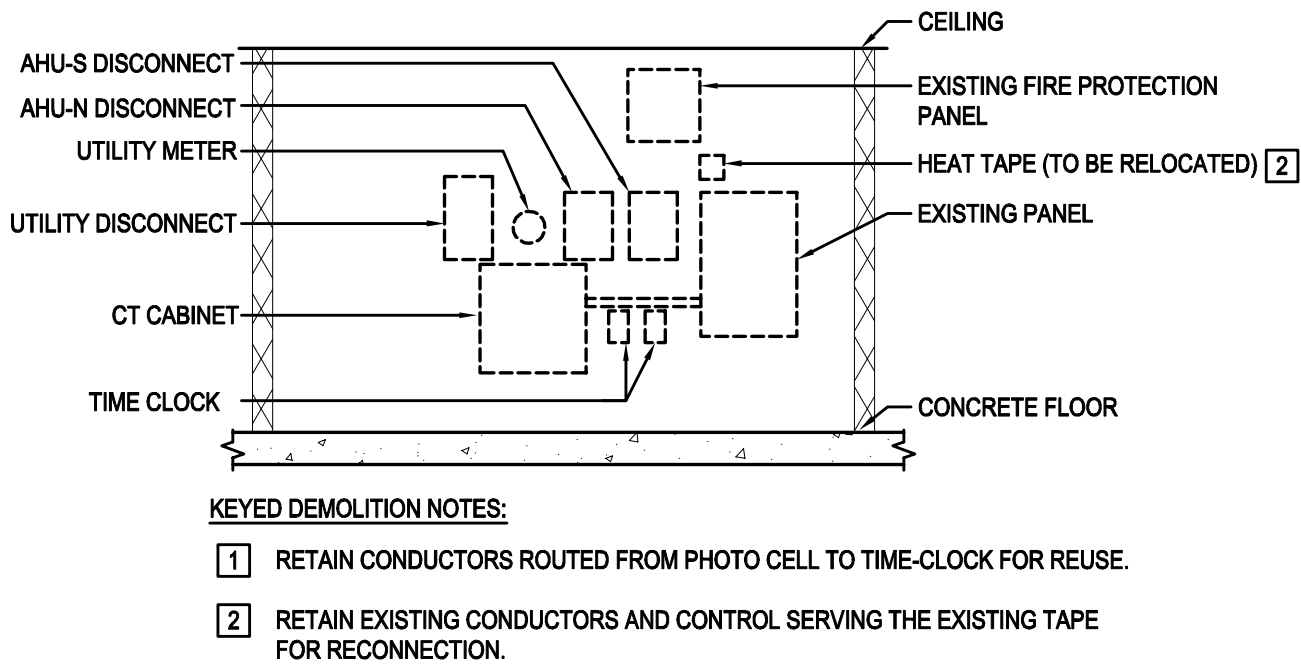


NOTE:
REFER TO MANUFACTURE INSTALLATION INSTRUCTIONS FOR DETAILED PROGRMAING AND WIRING INFORMATION.

7 CLOSED LOOP DAYLIGHT SENSOR
SCALE: NO SCALE

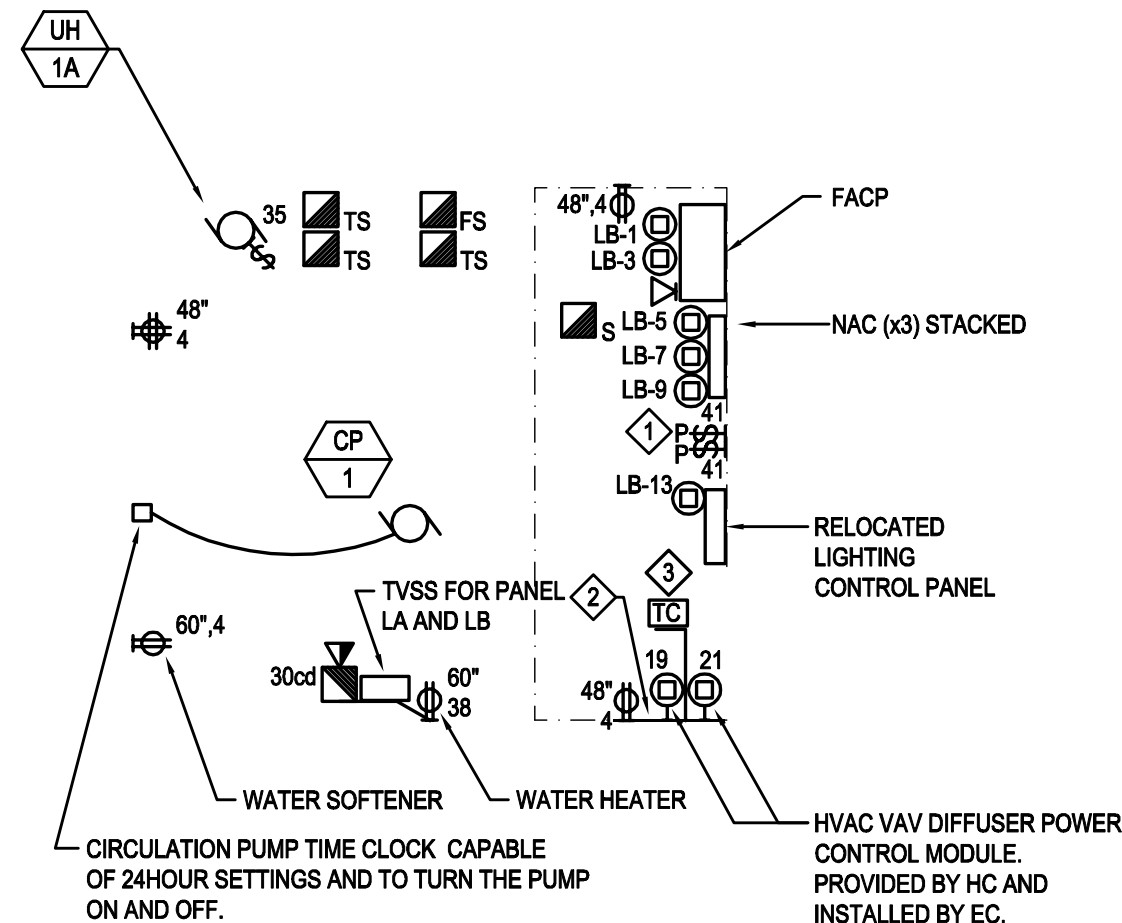


4 LOW VOLTAGE CONTROL STATION DETAIL
SCALE: NO SCALE



KEYED DEMOLITION NOTES:
1 RETAIN CONDUCTORS ROUTED FROM PHOTO CELL TO TIME-CLOCK FOR REUSE.
2 RETAIN EXISTING CONDUCTORS AND CONTROL SERVING THE EXISTING TAPE FOR RECONNECTION.

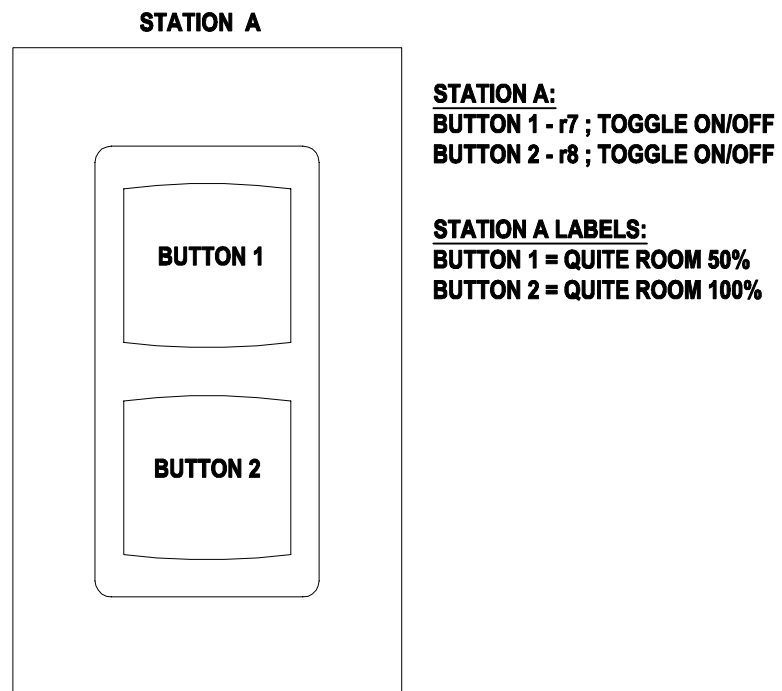
1 EXISTING ELECTRICAL ROOM ELEVATION
NO SCALE



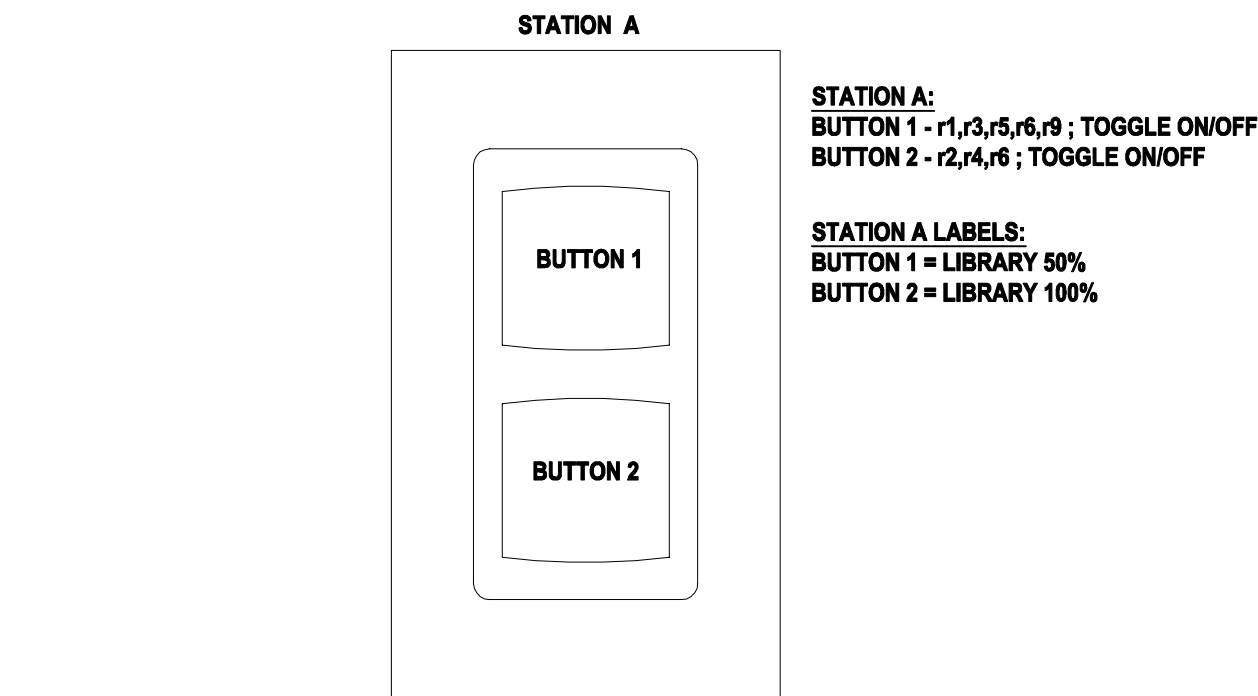
GENERAL NOTES:
1. ALL CIRCUITRY SHALL BE SERVED FROM PANEL '1A' UNLESS OTHERWISE NOTED.

KEYED NEW WORK NOTES:
1 RELOCATED HEAT TAPE SWITCH INTERCEPT AND EXTEND BRANCH CIRCUITRY SERVING EXISTING HEAT TAPE. RECONNECT EXISTING CIRCUITRY WITH NEW BRANCH CIRCUITRY TO PANEL '1A'.
2 30"x96"x3/4" PLYWOOD BACKBOARD PAINTED WITH FIRE RETARDANT PAINT.
3 7 DAY PROGRAMMABLE TIME CLOCK WITH LED DISPLAY WITH 30DAY BACK-UP BATTERY TO CONTROL EF-2. ROUTE CIRCUITRY THROUGH TIME CLOCK PRIOR TO ROUTING UP TO THE ROOF.

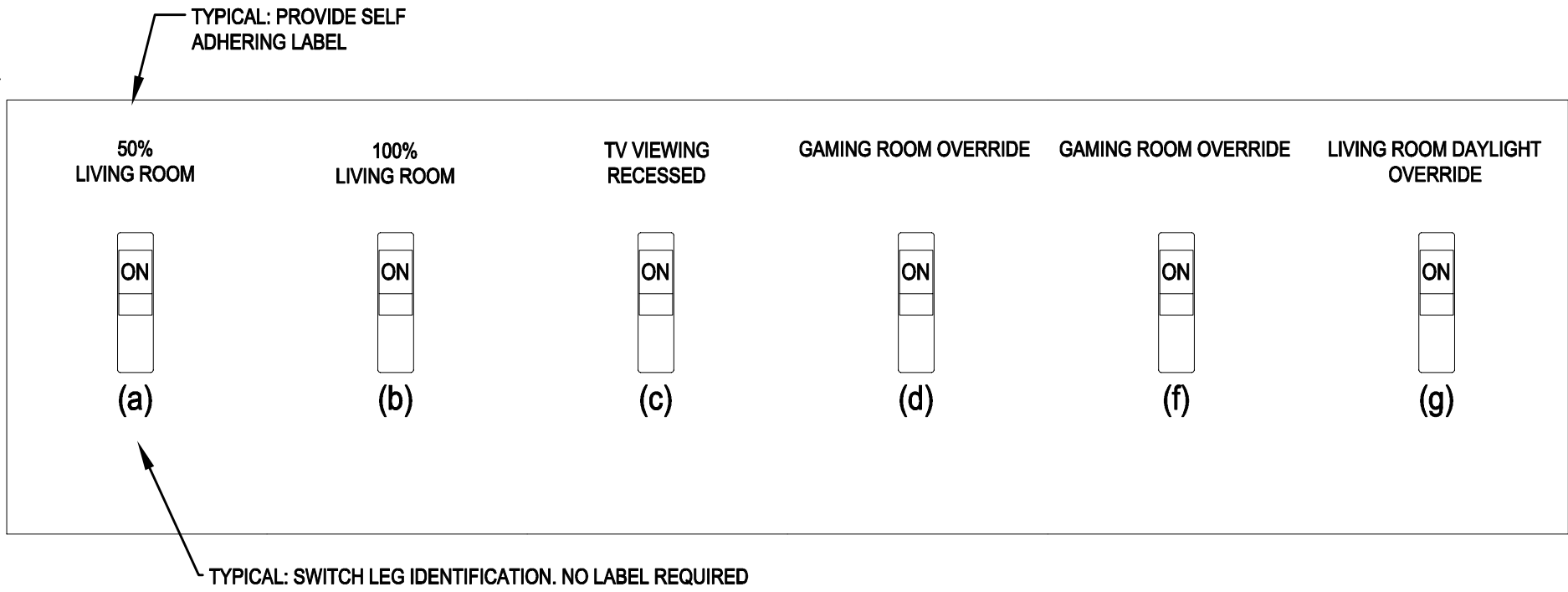
9 ENLARGED MECH. ROOM 108
SCALE: 1/4" = 1'-0"



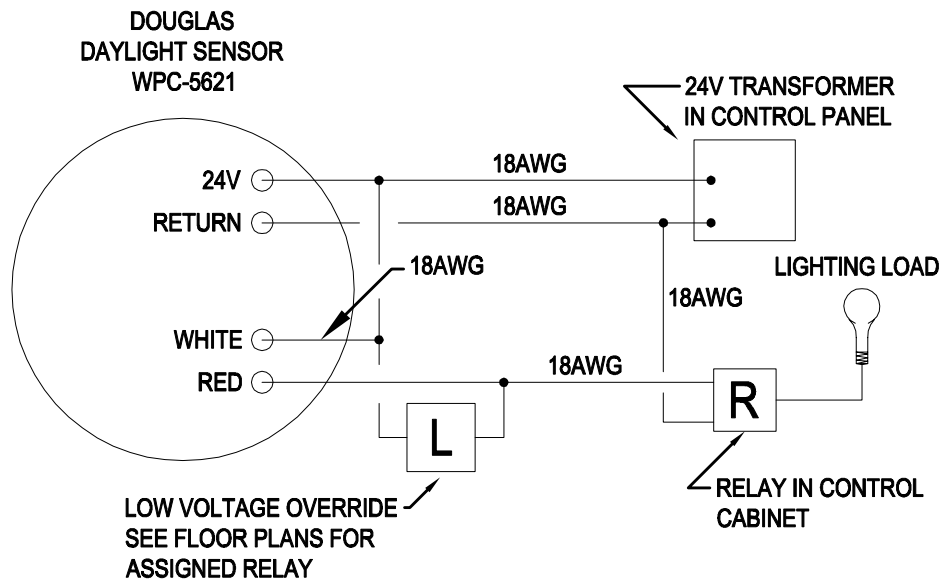
10 LOW VOLTAGE CONTROL STATION DETAIL
SCALE: NO SCALE



5 LOW VOLTAGE CONTROL STATION DETAIL
SCALE: NO SCALE

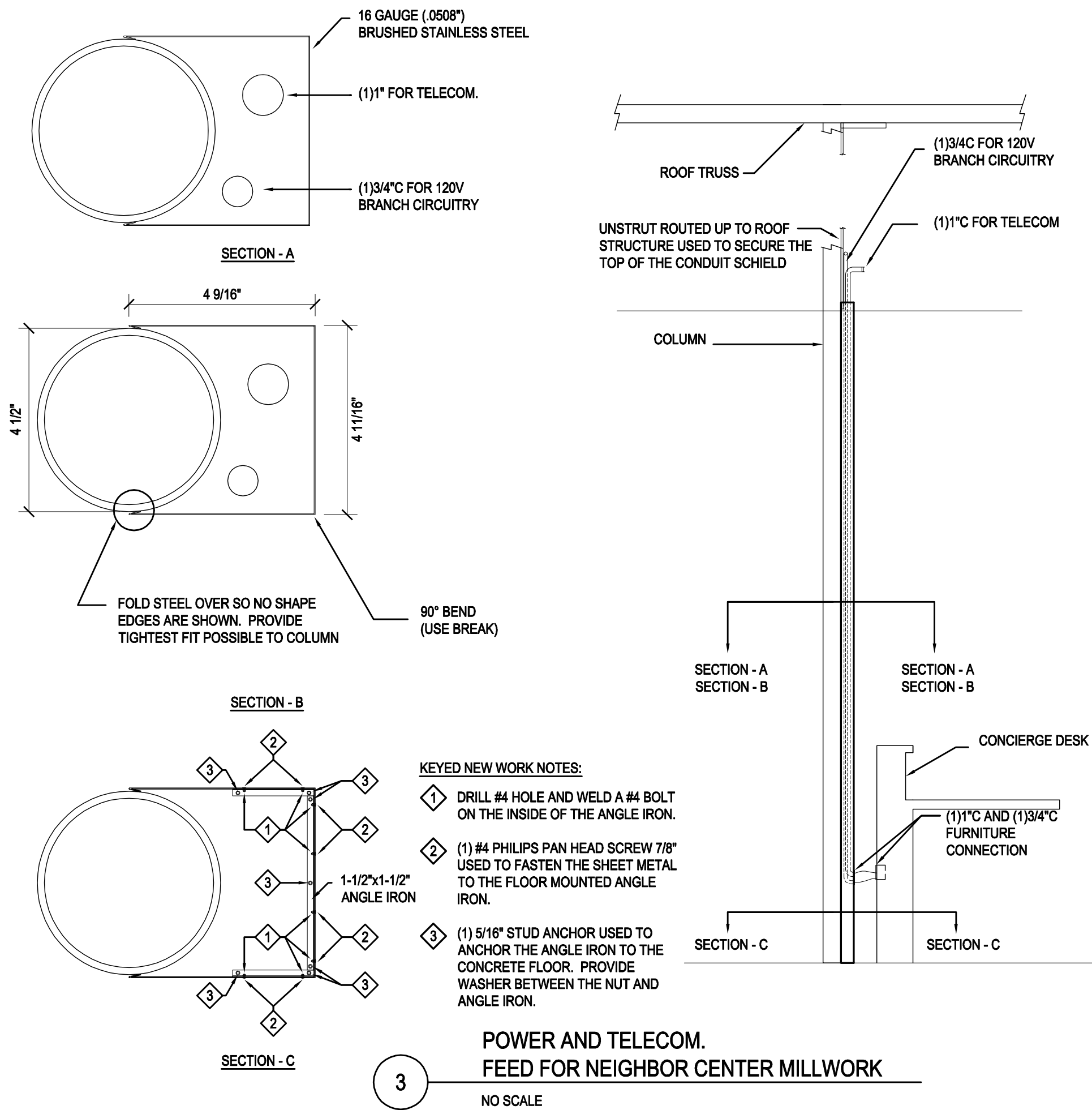


6 LINE VOLTAGE CONTROL STATION DETAIL
SCALE: NO SCALE



NOTE:
REFER TO MANUFACTURE INSTALLATION INSTRUCTIONS FOR DETAILED PROGRMAING AND WIRING INFORMATION.

8 ON/OFF DAYLIGHT SENSOR
SCALE: NO SCALE



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ELECTRICAL
SCHEDULES

E400

LIGHTING FIXTURE SCHEDULE														
MARK	FIXTURE			TYPE	LAMP			BALLAST/DRIVER		MOUNTING		MANUFACTURER		REMARKS
	TYPE	DIFFLUSER	WATTS		TEMP	CRI	QTY	TYPE	VOLTAGE	TYPE	HT.	NAME	MODEL NUMBER	
D1	19.7" SURFACE	FROSTED POLYMER	22W	LED	4000	85	1	DIMMING	120	SURFACE	CEILING	EUREKA	3036-LED.22.40-120-WH-FRO	
D2	26" SURFACE	FROSTED POLYMER	22W	LED	4000	85	1	DIMMING	120	SURFACE	CEILING	EUREKA	3036B-LED.22.40-120-WH-FRO	
D3	19.7" SUSPENDED	FROSTED POLYMER	22W	LED	4000	85	1	DIMMING	UNV	SUSPENDED	63.75" BELOW CEILING	EUREKA	4236-LED.22.40-120-277-AC-WH-FRO	
D4	26" SUSPENDED	FROSTED POLYMER	22W	LED	4000	85	1	DIMMING	UNV	SUSPENDED	63.75" BELOW CEILING	EUREKA	4236B-LED.22.40-120-277-AC-WH-FRO	
L1	1X4 RECESSED	ACRYLIC	28W	T5			2	DIMMING	120	SURFACE	CEILING	FOCAL POINT	FEQ-14-B-2-T5-S-120-WP-WH	PROVIDE STEP DIMMING BALLAST
L2	6"X4"	SATIN ACRYLIC	28W	T5			1	DIMMING	UNV	RECESSED	CEILING	AXIS	BBR-S-FL-S#-NL-T5-1-S-W-UNV-T-2A/B-D	PROVIDE STEP DIMMING BALLAST PROVIDE CONTINUOUS ROWS AS SHOWN ON FLOOR PLAN
L2W	6"X4"	SATIN ACRYLIC	28W	T5			1	PS	UNV	RECESSED	CEILING	AXIS	BBR-AF-S#-NL-T5-1-W-120-T-1-D	PROVIDE STEP DIMMING BALLAST PROVIDE CONTINUOUS ROWS AS SHOWN ON FLOOR PLAN
L4	1X4 RECESSED ASYMMETRIC	SATIN ACRYLIC	28W	T5			1	IS	MOVOLT	RECESSED	CEILING	LITHONIA	AV-G-1-28T5-MDR-ASY-MVOLT-GE810IS	
L5	1X4 RECESSED	ACRYLIC	28W	T5			2	DIMMING	120	SURFACE	CEILING	FOCAL POINT	FEQ-14-B-2-T5-120-WP-WH	
P1	SYSTEM RUN PENDANT	SATIN ACRYLIC	28W	T5			2	DIMMING	UNV	PENDANT	24" BELOW CEILING	AXIS	BB-S-NO-S#-NL-T5-1-1-W-UNV-T-2A/B-CT24-D	PROVIDE STEP DIMMING BALLAST PROVIDE CONTINUOUS ROWS AS SHOWN ON FLOOR PLANS NOT TO EXCEED 12'-0".
P3	24" PENDANT	ACRYLIC	32W	TRIPLE TUBE			3		120	PENDANT	30" BELOW CEILING	OCL	FB1-P1AV-24-DC/GW-CHP-4TT32-120-15-TLP-EMI	PROVIDE TWO BALLAST TO CONTROL TWO LAMPS EACH
P4	4" PENDANT	GLASS	6	LED			1	-	120	PENDANT		TECH LIGHTING	700-PRF-FJ-W-S-LED	PROVIDE REMOTE POWER SUPPLY LOCATED ABOVE THE ACCESSIBLE CEILING
P5	24" PENDANT	ACRYLIC	32W	TRIPLE TUBE			3		120	PENDANT	30" BELOW CEILING	OCL	FB1-P1EC-24-CC/GW-CHP-4TT32-120-15-TLP-EMI	PROVIDE TWO BALLAST TO CONTROL TWO LAMPS EACH
R1	4" DOWNLIGHT	NONE	13	LED	4000		1	-	120	RECESSED	CEILING	OMEGA	OM4LED-20-120-R4LED-40K-WH	
R1D	4" DOWNLIGHT	NONE	13	LED	4000		1	DIMMING	120	RECESSED	CEILING	OMEGA	OM4LED-20-120-R4LED-40K-WH	PROVIDE 0-10V LEADS
R1W	4" DOWNLIGHT WALL WASH	NONE		LED	4000		1	DIMMING	120	RECESSED	CEILING	OMEGA	OM4LED-20-120-R4LED-40K-WW-WH	
T1	LINEAR TRACK LIGHTING	NONE	8	PAR20 LED	4000		1	DIMMING	120	SURFACE	CEILING	CON TECH	TRACK: LT-8 (x2) 16" LENGTH FIXTURE HEAD: CTL5020-S	PROVIDE QUANTUM LED PAR 20LAMP MODEL QP2040FLCW PROVIDE ALL THE NECESSARY COMPONENTS FOR A COMPLETE INSTALLATION.
U1	UNDER CABINET		10.5W	LED	3000		1	-	120	SURFACE		TECH LIGHTING	700UCFDW-19-90-3-B-LED-OCS	
B1	EMERGENCY LIGHT BATTERY	SEE REMARKS	35	MR16	N/A	N/A	2	N/A	120	RECESSED	CEILING	CHLORIDE	F-1-W-IC-CMLK	PROVIDE DIRECTIONAL INDICATORS AND FACES AS SHOWN ON THE PLANS
X1	CEILING EXIT	SEE REMARKS	N/A	LED	N/A	N/A	N/A	N/A	120	SURFACE	CEILING	LITHONIA	LQM-P-W-R-120/277	PROVIDE DIRECTIONAL INDICATORS AND FACES AS SHOWN ON THE PLANS
X2	WALL EXIT	SEE REMARKS	N/A	LED	N/A	N/A	N/A	N/A	120	SURFACE	WALL	LITHONIA	LQM-P-W-R-120/277-ELN	PROVIDE DIRECTIONAL INDICATORS AND FACES AS SHOWN ON THE PLANS PROVIDE BATTERY BACK-UP

NOTE:
* ALL FIXTURES SUBMITTED FOR APPROVAL AS EQUALS MUST BE SUBMITTED NO LATER THAN 10 BUSINESS DAYS BEFORE THE BID DUE DATE. ANY FIXTURES SUBMITTED AFTER THAT DATE WILL NOT BE ACCEPTED AS EQUALS.
1. MANUFACTURE'S NAMES AND CATALOG NUMBERS ARE USED FOR QUALITY AND PERFORMANCE ONLY. LIGHT FIXTURES AND OTHER ELECTRICAL DEVICES MANUFACTURED BY OTHERS SHALL BE EQUALLY ACCEPTABLE PROVIDED THEY MEET OR EXCEED IN PERFORMANCE AND QUALITY AS SPECIFIED.
2. PROVIDE EMERGENCY BATTERY PACK CAPABLE OF 80% LIGHT OUTPUT FOR ALL FIXTURES DESIGNATED AS "EM" (EMERGENCY).

RELAY SCHEDULE						
NUMBER	CIRCUIT	OPERATION		SWITCH CONTROL	NOTES	REMARKS
		ON	OFF			
1	LA-1	7:30AM	10PM	YES	2	CONFIRM ON/OFF TIMES WITH USERS PRIOR TO FINAL CONFIGURATION
2	LA-1	7:30AM	10PM	YES	2	CONFIRM ON/OFF TIMES WITH USERS PRIOR TO FINAL CONFIGURATION
3	LA-1	7:30AM	10PM	YES	2	CONFIRM ON/OFF TIMES WITH USERS PRIOR TO FINAL CONFIGURATION
4	LA-1	7:30AM	10PM	YES	1,2	CONFIRM ON/OFF TIMES WITH USERS PRIOR TO FINAL CONFIGURATION
5	LA-3	7:30AM	10PM	YES	2	CONFIRM ON/OFF TIMES WITH USERS PRIOR TO FINAL CONFIGURATION
6	LA-3	7:30AM	10PM	YES	2	CONFIRM ON/OFF TIMES WITH USERS PRIOR TO FINAL CONFIGURATION
7	LA-3	7:30AM	10PM	YES	2	CONFIRM ON/OFF TIMES WITH USERS PRIOR TO FINAL CONFIGURATION
8	LA-3	7:30AM	10PM	YES	1,2	CONFIRM ON/OFF TIMES WITH USERS PRIOR TO FINAL CONFIGURATION
9	LA-5	7:30AM	10PM	YES	2	CONFIRM ON/OFF TIMES WITH USERS PRIOR TO FINAL CONFIGURATION
10	LA-5	7:30AM	10PM	YES	2	CONFIRM ON/OFF TIMES WITH USERS PRIOR TO FINAL CONFIGURATION
11	LA-2	7:30AM	10PM	YES	1,2	CONFIRM ON/OFF TIMES WITH USERS PRIOR TO FINAL CONFIGURATION
12	LA-2	7:30AM	7:30AM	YES	1,3	CONFIRM ON/OFF TIMES WITH USERS PRIOR TO FINAL CONFIGURATION
13	LA-2	7:30AM	7:30AM	YES	1,2	CONFIRM ON/OFF TIMES WITH USERS PRIOR TO FINAL CONFIGURATION
14						SPARE RELAY TO REMAIN
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						

NOTES:
1. DAYLIGHT SENSOR SHALL OVERRIDE THIS RELAY WHEN 100FC IS PRESENT REDUCING THE LIGHT OUTPUT BY 50%.
2. EXISTING RELAY TO BE RE-USED.

L:\78681 - DRAWINGS\G - WORKING DRAWINGS\E400.dwg
GOBEL, AARON
10/25/2013 4:28 PM

BRANCH PANEL NAME	VOLTAGE			PHASE	WIRE	BUS SIZE		MAIN OCP		AIC RATING		
LA	120/ 208			3	4	400A		400A		22,000		
100% NEUTRAL		CODE: L=LIGHTING, R=RECEPTACLES, M=MOTORS, K=KITCHEN								FLUSH MOUNTING TRIM		
NEMA 1		COPPER GROUND BAR								FEED THRU LUGS		
LOAD	CODE	POLE	BKR	CT#	A	B	C	CT#	BKR	POLE	CODE	LOAD
LIGHTING	L	1	20	1	1,270	1,364		2	20	1	L	LIGHTING
LIGHTING	L	1	20	3	1,590							1,080
LIGHTING	L	1	20	5	1,080		1,561	6	20	1	R	RECEPTACLES
RECEPTACLES	R	1	20	7								1,080
RECEPTACLES	R	1	20	9	1,080	1,080	500	10	20	1	R	FIREPLACE
RECEPTACLES	R	1	20	11								180
RECEPTACLE	R	1	20	13	180	180		14	20	1	R	RECEPTACLE
RECEPTACLE	R	1	20	15	180							16
RECEPTACLES	R	1	20	17	3,500	1,080	18	80	2	L		WF-1F
HVAC POWER SUPPLY	R	1	20	19								540
HVAC POWER SUPPLY	R	1	20	21	1,375	540	22	40	2	L		CUH-1/WF-2
SPARE		1	20	23								1,375
SPARE		1	20	25	1,080	1,080	26	20	1	R		SECURITY GATE
RECEPTACLES	R	1	20	27								28
RECEPTACLES	R	1	20	29	800	1,080	30	20	1	R		IR SINKS/TOILETS
IR SINKS/TOILETS	R	1	20	31								800
RECEPTACLE	R	1	20	33	360	360	34	20	1	R		RECEPTACLES
RECEPTACLES/UH1A	R	1	20	35								1,105
WF-2A	L	2	80	37	375	744		38	20	1	L	WH-1
I	L			39	375							40
EXISTING HEAT TAPE	L	1	20	41	500		1,080	42	20	1		BOOK SECURITY

BRANCH PANEL NAME		VOLTAGE		PHASE		WIRE		BUS SIZE		MAIN OCP		AIC RATING	
LB		120/ 208		3		4		400A		400A		22,000	
100% NEUTRAL		CODE: L=LIGHTING, R=RECEPTACLES, M=MOTORS, K=KITCHEN										FLUSH MOUNTING TRIM	
NEMA 1		COPPER GROUND BAR											
LOAD	CODE	POLE	BKR	CT#	A	B	C	CT#	BKR	POLE	CODE	LOAD	
FACP	R	2	20	1	1,080	370		2	20	1	R	REMOTE WTR COOLER COND.	
FACP	R	2	20	3					1,080	4	20	2	M
NAC	R	1	20	5			600	552	6		M		
NAC	R	1	20	7	600				8	20	2	M	ACCU-1
NAC	R	1	20	9	1,352		600		10		M		
FLOOR BOX	R	1	20	11			1,354						
LTG CONTROL PANEL	R	1	20	13	360			1,080	12	20	1	R	COPIER
					360			900					
RTU-1	M		60	15		5,400			14	20	1	K	RFID
	M	3	60	17		5,400			16	60		M	
	M		60	19	5,400			5,400	18	60	3	M	RTU-2
					5,400			5,400	20	60		M	
	R	1	20	21					22	20	1	M	POWER OPERATED DOOR
	R	1	20	23			1,200						
	R	1	20	25					24	20	1	M	
	R	1	20	27					26	20	1	R	
	R	1	20	29					28	20	1	L	
	R	1	20	31					30	20	1	K	
									32	20	1	M	
	R	1	20	33									
	R	1	20	35					34	20	1	R	
									36	20	1	L	
	R	1	20	37									
	R	1	20	39					38	20	1	K	
									40	20	1	M	
	R	1	20	41									
									42	20	1	R	

BRANCH PANEL NAME	VOLTAGE			PHASE	WIRE	BUS SIZE		MAIN OCP		AIC RATING			
CA	120/ 208			3	4	400		400		22,000			
100% NEUTRAL		CODE: L=LIGHTING, R=RECEPTACLES, M=MOTORS, K=KITCHEN								FLUSH MOUNTING TRIM			
NEMA 1		COPPER GROUND BAR								FEED THRU LUGS			
LOAD	CODE	POLE	BKR	CT#	A	B	C	CT#	BKR	POLE	CODE	LOAD	
LIGHTING	L	1	20	1	1,484 2,500				2	30	2	M	WF-1D
LIGHTING	L	1	20	3		995 2,500			4			M	I
WF-1E	M	2	30	5			2,500 1,080		6	20	1	R	RECEPTACLES
I	M			7	2,500 1,000				8	20	1	R	REFRIGERATOR
RECEPTACLES/PROJ. SCREEN	R	1	20	9		1,080 360			10	20	1	R	RECEPTACLES
RECEPTACLES/UH-1B	R	1	20	11			1,105 900		12	20	1		REFRIDGE
RECEPTACLES	R	1	20	13	1,080 540				14	20	1	R	RECEPT
UNDER COUNTER DISWASHER	K	3		15		2,000 360			16	20	1	R	RECEPT
	K	3	40	17			2,000 480		18	20	1	K	RANGE WITH SHUNT TRIP
	K	3		19	2,000 0				20			K	
DISPOSER	K	3		21		384 180			22	20	1	K	HOOD LIGHTS WITH SHUNT TRIP
	K	3		23			384 0		24	20	1	K	FIRE SUPPRESSION SYSTEM
	K	3		25	384 180				26	20	1	K	
COOLER	K	1	20	27		1,080 540			28	20	1	K	WORK TABLE RECEPT
FREEZER	K	1	20	29			864 540		30	20	1	K	WORK TABLE RECEPT
RTU-5		3		31	6,336 540				32	20	1	K	WORK TABLE RECEPT
		3	60	33		6,336 540			34	20	1	K	WORK TABLE RECEPT
		3		35			6,336 288		36	20	1	R	EF-1
RTU-6		3		37	6,336 288				38	20	1	R	EF-2
		3	60	39		6,336 500			40	20	1	R	SECURITY GATE
		3		41			6,336 1,080		42				VAV POWER SUPPLY

BRANCH PANEL NAME	VOLTAGE				PHASE	WIRE	BUS SIZE		MAIN OCP		AIC RATING		
NB	120/ 208				3	4	400A		400A		22,000		
100% NEUTRAL		CODE: L=LIGHTING, R=RECEPTACLES, M=MOTORS, K=KITCHEN										SURFACE MOUNTING TRIM	
NEMA 1		COPPER GROUND BAR											
LOAD	CODE	POLE	BKR	CT#	A	B	C	CT#	BKR	POLE	CODE	LOAD	
HVAC CONTROL	R	1	20	1	900	360			2	20	1	R	RECPTACLE
POWER OPERATED DOOR	R	1	20	3					1,200		4	20	
	R	1	20	5					6	20	1	R	
	R	1	20	7					8	20	1	R	
	R	1	20	9					10	20	1	R	
	R	1	20	11					12	20	1	L	
	R	1	20	13					14	20	1	K	
	R	1	20	15					16	20	1	M	
	R	1	20	17					18	20	1	R	
	R	1	20	19					20	20	1	L	
	R	1	20	21					22	20	1	K	
	R	1	20	23					24	20	1	M	
	R	1	20	25					26	20	1	R	
	R	1	20	27					28	20	1	L	
	R	1	20	29					30	20	1	K	
	R	1	20	31					32	20	1	M	
	R	1	20	33					34	20	1	R	
	R	1	20	35					36	20	1	L	
	R	1	20	37					38	20	1	K	
	R	1	20	39					40	20	1	M	
	R	1	20	41					42	20	1	R	



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JOB NO: 7868

Meadowridge Branch Library
& Meadowood Neighborhood
Center

Madison, Wisconsin

Owner:
City of Madison
210 MLK Jr. Blvd
Madison, WI 53703-3342

PROJECT NUMBER	132273.00
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SEAL

ISSUED FOR:

BIDDING 10-28-13

REVISION FOR:

NO.	DESCRIPTION	DATE
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OCCUPANCY SENSOR SCHEDULE																				
GENERAL NOTE: REFER TO DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION REGARDING OCCUPANCY SENSORS, ACCESSORIES, INSTALLATION AND COMMISSIONING REQUIREMENTS. PROVIDE OPTIONS AND ACCESSORIES INDICATED. MANUFACTURERS NAMES AND MODEL NUMBERS INDICATE REQUIRED QUALITY AND PERFORMANCE. THE ELECTRICAL CONTRACTOR MAY PROPOSE PRODUCTS OF EQUAL OR BETTER QUALITY AND PERFORMANCE. FINAL SENSOR QUANTITIES AND LOCATIONS WILL BE BASED UPON MANUFACTURER'S SPECIFIC PRODUCT LAYOUT DRAWINGS. THE CONTRACTOR SHALL PROVIDE DETAILED SHOP DRAWINGS OF SENSORS AND ASSOCIATED WIRING DEVICES SUCH AS POWER PACKS, TRANSFORMERS, LIGHT SWITCHES, DIMMERS, LOW VOLTAGE LIGHTING CONTROLS AND REMOTE TRANSFER (UL924) RELAYS SPECIFIC FOR THIS PROJECT. SHOP DRAWINGS SHALL BE FOR SPECIFIC ROOMS AND SHALL INCLUDE DEVICE LAYOUTS, ACCESSORY LAYOUTS, AND WIRING DIAGRAMS. PROVIDE COMMISSIONING PER DOCUMENTS. PROVIDE A MINIMUM OF FOUR (4) FEET OF EXTRA CABLE AT EACH SENSOR TO ALLOW FOR FIELD ADJUSTMENTS TO LOCATIONS.																				
TYPE	MOUNTING		AREA OF COVERAGE, APPLICATIONS							TECHNOLOGY				LIGHT LEVEL SENSOR	LIGHT LEVEL SENSOR ACTIVATION		MANUFACTURER SERIES			
	WALL	CEILING	225 SQ. FT.	1000 SQ. FT.	2000 SQ. FT.	CORRIDOR 80 linear ft.	10-30 FT MTG HT	MULTI-WAY	STAIR	PASSIVE INFRARED	ULTRASONIC	ACCOUSTIC	DUAL TECH MULT-TECH		YES	NO	LEVITON WATT-STOPPER	SENSOR SWITCH	OTHER	NOTES
A		X		X									X	YES			DT-300			

FLOOR BOX SCHEDULE												
TYPE	SIZE	DEPTH	NUMBER OF GANGS			MATERIAL REQUIRED	PURPOSE	MANUFACTURER	MODEL	COVER PLATE	ACCESSORIES	
			POWER	DATA	AV							
FB1	6" DIA	6"	1 GANG	1 GANG	NONE	PVC	POWER AND DATA	WIREMOLD	RPNFB	RP4V3CTCAB	1-1/4" TO 3/4" REDUCING RING FOR 120V BRANCH CIRCUITS	
FB2	6" DIA	6"	1 GANG	1 GANG	NONE	PVC	POWER AND DATA	WIREMOLD	RPNFB	RP4FFCTCAB	1-1/4" TO 3/4" REDUCING RING FOR 120V BRANCH CIRCUITS	

DISCONNECT SWITCH AND STARTER SCHEDULE													CONDUIT & WIRE
MARK	LOAD	DISC SW	STARTER	VOLTS	PHASE	HP	VA	AMPS	SW	BKR	NEMA ENCL.	COMMENTS	CONDUIT & WIRE
ACC-1	AIR COOLED CONDENSOR	EC	N/A	208	1		1,103	6.8	20.0	20.0	1		2#12, 1#12GND, 1/2" C
ACCU-1	AIR COOLED CONDENSING UNIT	EC	N/A	208	1		2,708	13.0	20.0	20.0	1		2#12, 1#12GND, 1/2" C
CUH-1A	CABINET UNIT HEATER	HC	N/A	208	1		6,000	28.8	60.0	40.0	1		2#8, 1#10GND, 3/4" C
CUH-1B	CABINET UNIT HEATER	HC	N/A	208	1		6,000	28.8	60.0	40.0	1		2#8, 1#10GND, 3/4" C
WF-1A	ELECTRIC WALL FIN	HC	N/A	208	1		9,000	36.0	80.0	80.0	1	LOCATED IN NEIGHBORHOOD CENTER	2#8S, 1#12GND, 1/2" C
WF-1B	ELECTRIC WALL FIN	HC	N/A	208	1		9,000	36.0	80.0	80.0	1	LOCATED IN NEIGHBORHOOD CENTER	2#8S, 1#12GND, 1/2" C
WF-2A	ELECTRIC WALL FIN	HC	N/A	208	1		12,500	62.0	120.0	80.0	1	LOCATED IN NEIGHBORHOOD CENTER	2#8S, 1#12GND, 1/2" C
WF-2B	ELECTRIC WALL FIN	HC	N/A	208	1		12,500	64.0	120.0	80.0	1	LOCATED IN COMMUNITY CENTER	2#8S, 1#12GND, 1/2" C
WF-2C	ELECTRIC WALL FIN	HC	N/A	208	1		12,500	64.0	120.0	80.0	1	LOCATED IN COMMUNITY CENTER	2#8S, 1#12GND, 1/2" C
WF-2D	ELECTRIC WALL FIN	HC	N/A	208	1		12,500	64.0	120.0	80.0	1	LOCATED IN THE LIBRARY	2#8S, 1#12GND, 1/2" C
WF-2E	ELECTRIC WALL FIN	HC	N/A	208	1		12,500	64.0	120.0	80.0	1	LOCATED IN LIBRARY	2#8S, 1#12GND, 1/2" C
WF-2F	ELECTRIC WALL FIN	HC	N/A	208	1		12,500	64.0	120.0	80.0	1	LOCATED IN LIBRARY	2#8S, 1#12GND, 1/2" C
WF-2G	ELECTRIC WALL FIN	HC	N/A	208	1	0.5	13,950	68.0	120.0	80.0	3		2#8S, 1#12GND, 1/2" C
EF-2	EXHAUST FAN	EC	N/A	120	1	0.5	691	2.4	20.0	20.0	3		1#12, 1#12GND, 1/2" C
UEF-2A	EXHAUST FAN	EC	N/A	120	1	0.003	691	0.8	20.0	20.0	3		1#12, 1#12GND, 1/2" C
UH-1B	UNIT HEATER	EC	N/A	120	1	0.03	25	0.2	20.0	20.0	1		1#12, 1#12GND, 1/2" C
RTU-1	EXISTING ROOF TOP UNIT	HC	HC	208	3	0.03	18,936	52.6	EXIST	60.0	3	EXISTING UNIT TO SERVED BY NEW PANEL	3#4, 1#8GND, 1-1/4" C
RTU-2	EXISTING ROOF TOP UNIT	HC	HC	208	3		18,936	52.6	EXIST	60.0	3	EXISTING UNIT TO SERVED BY NEW PANEL	3#4, 1#8GND, 1-1/4" C
RTU-3	EXISTING ROOF TOP UNIT	HC	HC	208	3		18,936	52.6	EXIST	60.0	3	EXISTING UNIT TO SERVED BY NEW PANEL	3#4, 1#8GND, 1-1/4" C
RTU-4	EXISTING ROOF TOP UNIT	HC	HC	208	3		18,936	52.6	EXIST	60.0	3	EXISTING UNIT TO SERVED BY NEW PANEL	3#4, 1#8GND, 1-1/4" C
RTU-5	EXISTING ROOF TOP UNIT	HC	HC	208	3		18,936	52.6	EXIST	60.0	3	EXISTING UNIT TO SERVED BY NEW PANEL	3#4, 1#8GND, 1-1/4" C
RTU-6	EXISTING ROOF TOP UNIT	HC	HC	208	3		18,936	52.6	EXIST	60.0	3	EXISTING UNIT TO SERVED BY NEW PANEL	3#4, 1#8GND, 1-1/4" C
RTU-6	NEW ROOF TOP UNIT	HC	HC	208	3		15,084	41.9	60.0	45.0	3		3#6, 1#10GND 1" C

"ELECTRICAL CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH CONTRACTOR SUPPLYING EQUIPMENT PRIOR TO ALL TRADES ORDERING EQUIPMENT TO ENSURE THAT THE INFORMATION IS CORRECT AND TO INFORMATIONS OF EQUIPMENT SUPPLIER'S SPECIFICATIONS PRIOR TO CHARGES BEING MADE IN AGREEMENT TO ENSURE IT IS PROPERLY SELECTED AND COST IMPLICATIONS OF EQUIPMENT SELECTION. COSTS INCURRED DUE TO CHANGES SHALL BE DEFERRED TO THE TRADE SUPPLYING THE EQUIPMENT.

Meadowridge Branch Library
& Meadowood Neighborhood
Center

Madison, Wisconsin

Owner:
City of Madison
210 MLK Jr. Blvd
Madison, WI 53703-3342

PROJECT NUMBER 132273.00

SEAL

ISSUED FOR:
BIDDING 10-28-13

REVISION FOR:
NO. DESCRIPTION DATE

DRAWN BY AJG

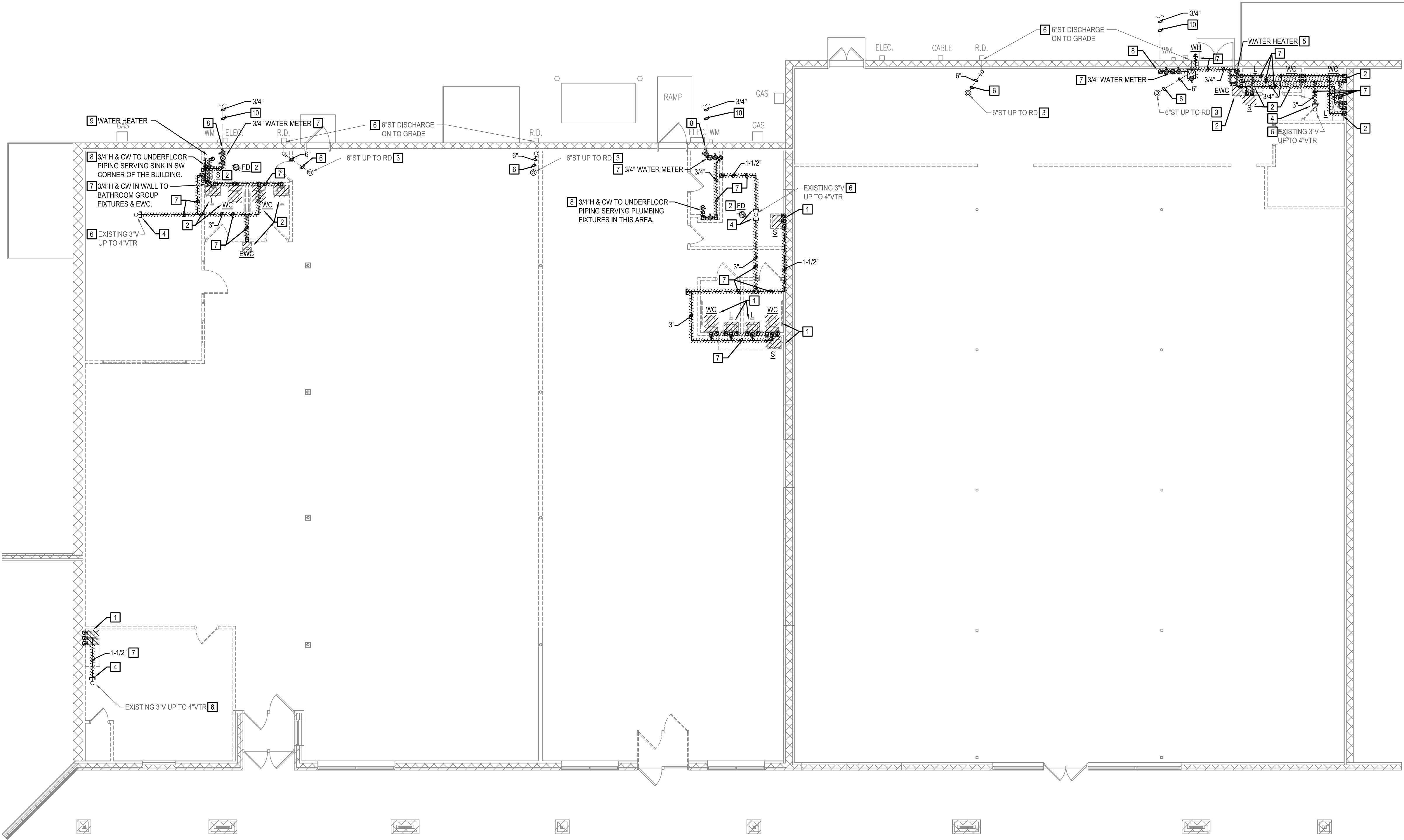
CHECKED BY DJG

FIRST FLOOR
PLUMBING
DEMOLITION PLAN

PD110

KEYED DEMOLITION NOTES (SHEET PD110):

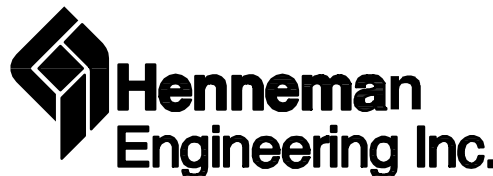
- 1 REMOVE FIXTURES AND PIPING COMPLETELY, UNLESS NOTED OTHERWISE. CAP WASTE & WATER PIPING BELOW FLOOR. PATCH ALL HOLES THROUGH FLOORS, CEILINGS & WALLS TO MATCH.
- 2 REMOVE FIXTURES AND PIPING COMPLETELY, UNLESS NOTED OTHERWISE. CAP WASTE PIPING BELOW FLOOR. PATCH ALL HOLES THROUGH FLOORS, CEILINGS & WALLS TO MATCH.
- 3 STORM PIPING & ROOF DRAIN TO REMAIN AS IS.
- 4 CAP PIPING.
- 5 REMOVE FIXTURE AND PIPING COMPLETELY, UNLESS NOTED OTHERWISE. PATCH ALL HOLES THROUGH FLOORS, CEILINGS & WALLS TO MATCH.
- 6 PIPING TO REMAIN. (VERIFY IN FIELD)
- 7 REMOVE PIPING COMPLETELY, UNLESS NOTED OTHERWISE. PATCH ALL HOLES THROUGH FLOORS, CEILINGS & WALLS TO MATCH.
- 8 CAP PIPING BELOW FLOOR. PATCH FLOOR TO MATCH.
- 9 REMOVE WATER HEATER COMPLETELY INCLUDING ANY AIR INTAKE AND EXHAUST. PATCH ALL HOLES THROUGH FLOORS, CEILINGS & WALLS TO MATCH.
- 10 ABANDON IN PLACE.





Engberg
Anderson

MILWAUKEE • MADISON • TUCSON



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JOB NO: 7868

Meadowridge Branch Library
& Meadowood Neighborhood
Center

Madison, Wisconsin

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Madison, WI 53703-3342

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CHECKED BY DJG

PLUMBING NOTES,
SYMBOLS, DETAILS
& ABBREVIATIONS

P000

PLUMBING ABBREVIATIONS	
ABBR	DESCRIPTION
AF	ABOVE FLOOR
AFF	ABOVE FINISHED FLOOR
ALP	ALARM PANEL
ASC	ABOVE SUSPENDED CEILING
AV	ACID VENT
AW	ACID WASTE
BF	BELOW FLOOR
BV	BALL VALVE
CCR	CHILLED DRINKING WATER RETURN
COW	CHILLED DRINKING WATER
CI	CAST IRON
CLG	CEILING
CO	CLEANOUT
CP	CIRCULATION PUMP
CSS	CLINICAL SERVICE SINK
CWD	COLD SOFT WATER
CV	CIRCUIT VENT
CW	COLD WATER
CWV	CLEAR WATER VENT
CWW	CLEAR WATER WASTE
DCVA	DOUBLE CHECK VALVE ASSEMBLY
DF	DRINKING FOUNTAIN
DFU	DRAINAGE FIXTURE UNIT
DN	DOWN
DSB	DOWNSPOUT BOOT
DSN	DOWNSPOUT NOZZLE
DW	DISHWASHER
EC	ELECTRICAL CONTRACTOR
EWV	ELECTRIC WATER COOLER
EWV	ELECTRIC WATER HEATER
F	FIRE
FCO	FINISHED CLEANOUT
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FDV	FIRE DEPARTMENT VALVE
FFA	FROM FLOOR ABOVE
FFB	FROM FLOOR BELOW
FFE	FINISH FLOOR ELEVATION
FFC	FIRE PROTECTION CONTRACTOR
FS	FLOW SWITCH
FT	FOOT
FWCO	FINISHED WALL CLEANOUT
G	GAS
GC	GENERAL CONTRACTOR
GD	GREASE DRAIN
GI	GREASE INTERCEPTOR
GPM	GALLONS PER MINUTE
GWH	GAS WATER HEATER
HB	HOSE BIBB
HC	HEATING CONTRACTOR
HD	HUB DRAIN
HVAC	HEATING VENTILATION AIR CONDITIONING
HW	HOT WATER
HWR	HOT WATER RETURN
HWT	HOT WATER TAP
IE	INVERT ELEVATION
L	LAVATORY (LAV)
MB	MOP BASIN
MV	MIXING VALVE
NPCW	NON-POTABLE COLD WATER
OSD	OPEN SITE DRAIN
PC	PLUMBING CONTRACTOR
PD	PUMP DISCHARGE
RD	ROOF DRAIN
RM	ROOM
RSP	REDUCED PRESSURE BACKFLOW PREVENTER
S	SINK
SAN	SANITARY
SFU	SUPPLY FIXTURE UNITS
SP	SUMP PUMP
SS	SANITARY STACK
ST	STORM
TD	TRENCH DRAIN
TFA	TO FLOOR ABOVE
TFB	TO FLOOR BELOW
UF	UNDER FLOOR
U	URINAL
UG	UNDERGROUND
V	VENT
VS	VENT STACK
VTR	VENT THRU ROOF
W	WASTE
WB	WALL BOX
WC	WATER CLOSET
WCO	WALL CLEANOUT
WH	WALL HYDRANT
WHA	WATER HAMMER ARRESTOR
WM	WATER METER
WS	WATER SOFTENER
WSFU	WATER SUPPLY FIXTURE UNITS

NOTE:
THIS IS A COMPOSITE LIST OF ABBREVIATIONS, NOT ALL PERTAIN SPECIFICALLY TO THIS JOB.

INTERIOR GREASE INTERCEPTOR CALCULATION	
1. CONNECTED CAPACITY OF ALL FIXTURES	= 35 GALLON
2. MINIMUM FLOW RATE 35 GALLON x .34	= 26.5 GPM
3. MINIMUM GREASE HOLDING CAPACITY (FLOW RATE x 2) 26.5 GPM MIN. FLOW RATE x 2	= 53 POUNDS
USE A GREASE INTERCEPTOR WITH FLOW RATE OF 35 GPM & GREASE HOLDING CAPACITY OF 142 POUNDS.	

WATER CALCULATION WORKSHEET — COLD & HOT WATER	
INFORMATION REQUIRED TO CALCULATE WATER SERVICE SIZE	
1. PEAK DEMAND OF BUILDING IN GALLONS PER MINUTE.	WATER SUPPLY FIXTURE UNIT TOTAL 105.5 _____ (GPM) 70
2. DIFFERENCE IN ELEVATION FROM MAIN TO BUILDING CONTROL VALVE	(FEET) _____ N/A
3. SIZE OF WATER METER WHEN METER IS REQUIRED	6" 8" 3/4" 1" 1-1/2" 2" 2-1/2" LARGER SIZE _____ (FEET) _____ N/A
4. DEVELOPED LENGTH FROM MAIN TO BUILDING CONTROL VALVE	(FSD) _____ N/A
5. LOW PRESSURE AT MAIN	(PSI) _____ N/A
CALCULATE WATER SERVICE PRESSURE LOSS	
6. LOW PRESSURE AT MAIN. (PRESSURE TAKEN AT EXISTING MOP BASIN)	_____ 48
7. PRESSURE LOSS DUE TO FRICTION IN 6 _____ INCH DIAMETER WATER SERVICE WATER SERVICE MATERIAL.	SUBTRACT VALUE OF "7" _____ N/A
8. PRESSURE LOSS DUE TO ELEVATION. (MULTIPLY THE VALUE OF #2 ABOVE BY .434)	SUBTRACT VALUE OF "8" _____ N/A
9. AVAILABLE PRESSURE AT METER INLET. (ENTER IN "8" BELOW)	SUBTOTAL _____ 48
CALCULATE THE PRESSURE AVAILABLE FOR UNIFORM LOSS (VALUE OF "9")	
10. AVAILABLE PRESSURE AT METER INLET. (FROM "9" ABOVE)	VALUE OF "9" _____ 48
11. PRESSURE LOSS THROUGH WATER METER	SUBTRACT VALUE OF "10" _____ 4
	SUBTOTAL _____ 44
12. PRESSURE AT CONTROLLING FIXTURE. _____ WATER CLOSET ROOM 209	SUBTRACT VALUE OF "11" _____ 9
	SUBTOTAL _____ 9
13. DIFFERENCE IN ELEVATION BETWEEN THE BUILDING CONTROL VALVE AND THE CONTROLLING FIXTURE IN FEET _____ 0	ADD VALUE OF "12" _____ 9
14. PRESSURE LOSS DUE TO WATER TREATMENT DEVICES, RETENTANEOUS WATER HEATERS AND BACK FLOW PREVENTERS WHICH SERVE THE CONTROLLING FIXTURE.	SUBTRACT VALUE OF "13" _____ N/A
15. PRESSURE LOSS DUE TO _____ N/A	SUBTOTAL _____ 9
16. DEVELOPED LENGTH FROM BUILDING CONTROL VALVE TO CONTROLLING FIXTURE IN FEET _____ 0	DIVIDE BY VALUE OF "10" _____ 0.243
17. WATER DISTRIBUTION MATERIAL. _____ COPPER TYPE "K"	SUBTOTAL _____ 0.0435
	MULTIPLY BY _____ 100
18. A. PRESSURE AVAILABLE FOR UNIFORM PRESSURE LOSS (ROUND "A" DOWN TO NEXT WHOLE NUMBER) = USE 5 PSI/100'	"A" = _____ 4.35

GENERAL NOTES: PLUMBING

- VISIT THE BUILDING SITE AND BECOME THOROUGHLY FAMILIAR WITH ALL EXISTING CONDITIONS AFFECTING THE WORK.
- VERIFY ALL MEASUREMENTS, PIPE SIZES, PIPE LOCATIONS, ELEVATIONS, ETC. AT SITE.
- REVIEW DRAWINGS OF ALL OTHER TRADES. COORDINATE THE INSTALLATION AND SCHEDULING OF THE WORK WITH OTHER TRADES TO PREVENT INTERFERENCE WITH THEIR RESPECTIVE INSTALLATION.
- INSTALL ALL WORK SUBSTANTIALLY AS SHOWN ON THE DRAWINGS. DEVIATIONS FROM LOCATIONS OF PIPING INDICATED ON THE DRAWINGS MAY HAVE TO BE MADE AT NO ADDITIONAL COST TO THE OWNER IN ORDER TO CLEAR THE WORK OF THE OTHER TRADES. HOWEVER, ALL SUCH DEVIATIONS SHALL BE PREVIOUSLY APPROVED BY THE OWNER'S REPRESENTATIVE.
- REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR EXACT LOCATION OF ALL DRAINS, PLUMBING FIXTURES, STRUCTURAL DIMENSIONS AND LAYOUT, VERIFY EXIST CEILING HEIGHT AND MATERIALS. SEE ROOM FINISH AND MATERIAL FINISH SCHEDULES.
- IT IS THE INTENT OF THESE DRAWINGS THAT A COMPLETE WORKING SYSTEM PROPERLY TESTED, WILL BE OPERATIONAL UPON COMPLETION OF INSTALLATION.
- WHERE EXISTING PIPING IS REMOVED AND NOT RE-CONNECTED WITH NEW WORK CAP EXISTING SERVICES SO THAT DEAD END PIPE RUNS ARE NOT CREATED.
- CONFLICT BETWEEN DRAWINGS AND SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO BID OPENING. THE ENGINEER RESERVES THE RIGHT TO FINAL DECISION.
- UNLESS NOTED OTHERWISE ALL GRAVITY WASTE PIPING 3" AND LARGER SHALL BE INSTALLED AT A SLOPE OF 1/8" PER FOOT. GRAVITY WASTE PIPING 2" AND SMALLER AT 1/4" PER FOOT.
- COORDINATE WITH OWNER AND OTHER TRADES THE UTILITY REQUIREMENTS DURING CONSTRUCTION. MAINTAIN ALL UTILITIES DURING CONSTRUCTION. COORDINATE ALL TEMPORARY SHUTDOWNS WITH OWNER AND OTHER TRADES.
- COORDINATE FINAL LOCATION OF ALL DRAINS AND CLEANOUTS WITH ARCHITECTURAL AND HVAC TRADES.
- PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING OF HOLES AND OPENINGS IN EXISTING WALLS AND FLOORS.

GENERAL NOTES: FIRE PROTECTION

- VISIT THE BUILDING SITE AND BECOME THOROUGHLY FAMILIAR WITH ALL EXISTING CONDITIONS AFFECTING THE WORK. THE MODIFIED SYSTEMS SHALL BE APPROVED BY INSURANCE UNDERWRITERS, & A&U.
- VERIFY ALL MEASUREMENTS, PIPE SIZES, PIPE LOCATIONS, ELEVATIONS, ETC. AT SITE.
- REVIEW DRAWINGS OF ALL OTHER TRADES. COORDINATE THE INSTALLATION AND SCHEDULING OF THE WORK WITH OTHER TRADES TO PREVENT INTERFERENCE WITH THEIR RESPECTIVE INSTALLATION.
- INSTALL ALL WORK SUBSTANTIALLY AS SHOWN ON SUBMITTED DRAWINGS. DEVIATIONS FROM LOCATIONS OF PIPING INDICATED ON THE DRAWINGS MAY HAVE TO BE MADE AT NO ADDITIONAL COST TO THE OWNER IN ORDER TO CLEAR THE WORK OF THE OTHER TRADES. HOWEVER, ALL SUCH DEVIATIONS SHALL BE PREVIOUSLY APPROVED BY THE OWNER'S REPRESENTATIVE.
- REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR EXACT LOCATION OF SOFFITS, STRUCTURAL DIMENSIONS AND LAYOUT. VERIFY CEILING HEIGHT AND MATERIALS.
- IT IS THE INTENT OF THESE DRAWINGS THAT A COMPLETE WORKING SYSTEM PROPERLY TESTED, WILL BE OPERATIONAL UPON COMPLETION OF INSTALLATION.
- CONFLICT BETWEEN DRAWINGS AND SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO BID OPENING. THE ENGINEER RESERVES THE RIGHT TO FINAL DECISION.
- COORDINATE WITH OWNER AND OTHER TRADES THE UTILITY REQUIREMENTS DURING CONSTRUCTION. MAINTAIN ALL UTILITIES DURING CONSTRUCTION. COORDINATE ALL TEMPORARY SHUTDOWNS WITH OWNER AND OTHER TRADES.
- FIRE PROTECTION CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING OF HOLES AND OPENINGS IN WALLS AND FLOORS. CONSULT A/E PRIOR TO CUTTING FOR APPROVED FINISH COVERINGS.
- MATCH BUILDING OWNER STANDARDS, CENTER SPRINKLERS IN CEILING TILES.

GENERAL DEMOLITION & NEW WORK NOTES:

- THIS CONTRACTOR SHALL VERIFY THE EXISTING CONDITIONS AT THE PROJECT SITE BEFORE SUBMITTING BID. CON'TR IS ADVISED THAT ALL LOCATIONS ARE APPROXIMATE.
- AN ATTEMPT HAS BEEN MADE TO SHOW ALL PIPING, FIXTURES, AND EQUIPMENT. THIS CONTRACTOR SHALL VISIT THE SITE TO VERIFY COMPONENTS, LOCATIONS AND SIZES SHOWN OR NOT SHOWN. ALL COMPONENTS NEED TO BE REMOVED IN THE DEMOLITION AREA UNLESS NOTED ON THE DRAWINGS.
- IT IS MANDATORY THAT THE EXISTING BLDG. REMAIN IN CONTINUOUS & NON-INTERRUPTED OPERATION DURING REMODELING OF THE EXISTING BLDG. THE SPECIFIC AREA(S) BEING REMODELED/ALTERED AT ANY SCHEDULED TIME ARE OBVIOUSLY EXCLUSIVE OF THIS STATEMENT. SERVICES TO EXISTING BLDG. SHALL BE KEPT ON CONTINUOUS OPERATION INCLUDING DOMESTIC WATER, SANITARY AND STORM. ANY ABSOLUTELY NECESSARY INTERRUPTION OF THESE SERVICES TO ACCOMPLISH PROJECT CONSTRUCTION, SHALL BE HELD TO A MINIMUM AND ARRANGED WITH THE OWNER THROUGH THE GENERAL CONTRACTOR, A MINIMUM OF ONE (1) WEEK IN ADVANCE. TEMPORARY SERVICES SHALL BE FURNISHED AND INSTALLED WHERE NECESSARY TO ACCOMPLISH THIS PURPOSE. TEMPORARIES SHALL BE REMOVED ONLY AFTER NEW PERMANENT SERVICES ARE INSTALLED AND FULLY OPERATIONAL.
- THIS CONTRACTOR SHALL BE RESPONSIBLE FOR HIS OWN DEMOLITION, REMOVAL, CAPPING, STORING, ABANDONING, DISCONNECTING, RELOCATING AND RECONNECTION OF EXISTING EQUIPMENT AND MATERIAL. ALL CUTTING, PATCHING, REPAIRING, REPLACEMENT AND REFINISHING, SHALL MATCH THE EXISTING CONSTRUCTION AS NEARLY AS POSSIBLE.
- EXCEPT WHERE OTHERWISE SHOWN OR NOTED ON DRWG., "TO BE RETAINED, RELOCATED" OR HEREINAFTER NOTED, ALL EXISTING EQUIPMENT AND MATERIAL IN AREAS TO BE REMODELED/ALTERED SHALL BE REMOVED WHERE THEY INTERFERE WITH PROPOSED NEW CONSTRUCTION & OR INTERFERE WITH PROPOSED USAGE OF SPACE BY OWNER AS FOLLOWS:
 - REMOVE ANY PIPES PROTRUDING ABOVE FINISHED FLOOR OR THROUGH WALL AND CAP AND FINISH OVER WITH MATERIAL TO MATCH EXISTING. CONSULT A/E PRIOR TO CUTTING FOR APPROVED FINISH COVERINGS.
 - REMOVE ALL PLUMBING FIXTURES, CARRIERS, WATER SUPPLY PIPING AND WASTE & VENT PIPING AS NOTED. CAP AT NEAREST ACTIVE MAIN. VITREOUS CHINA FIXTURES SHALL BE TURNED OVER TO OWNER FOR FUTURE USE.
 - IN REMODELED/ALTERED AREAS ANY PIPING PASSING THROUGH THE REMODELED AREAS TO SERVE OR BEING SERVED FROM EXISTING ADJACENT, REMOTE, OR SURROUNDING AREA THAT ARE TO REMAIN SHALL BE RETAINED AND KEPT OPERATIONAL AND SHALL BE REROUTED IN ALL CASES WHERE THEY INTERFERE WITH ANY NEW WORK OR USAGE TO BE ACCOMPLISHED IN THE REMODELED AREA.
 - PENETRATIONS THROUGH EXISTING WALLS AND FLOORS FORMERLY OCCUPIED BY REMOVED PIPING SHALL BE PATCHED TO MATCH EXISTING CONSTRUCTION. CONSULT A/E PRIOR TO CUTTING FOR APPROVED FINISH COVERINGS.
- THIS CONTRACTOR SHALL REFER TO ARCHITECTURAL DRAWINGS TO FAMILIARIZE THEMSELVES WITH EXTENT OF ALTERATION/REMODELING WORK AND MORE SPECIFICALLY NOTE WHERE NEW PARTITIONING IS BEING INSTALLED, WHERE EXISTING PARTITIONING IS BEING REMOVED, WHERE CEILINGS ARE BEING REMOVED AND OR REPLACED, ETC.
- SEE SPECIFICATIONS & ARCHITECTURAL SHITS, FOR CONSTRUCTION PHASING REQUIREMENTS. DURING EACH PHASE, AS MUCH WORK AS POSSIBLE MUST BE PERFORMED WITHIN THE BOUNDARIES OF THAT PHASE.
- THESE DRAWINGS ARE NECESSARILY DIAGRAMMATIC IN NATURE. NOT ALL FITTINGS, OFFSETS, VENTS, OR DRAINS ARE SHOWN. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING AND INCLUDE ALL FITTINGS, OFFSETS, VENTS, AND DRAINS AS REQUIRED TO PROVIDE A COMPLETE AND FUNCTIONING SYSTEM.
- ALL PLUMBING PIPE RELATED CUTTING, PATCHING AND/OR REMOVAL AND REPLACEMENT OF EXISTING WALLS, FLOORS & CEILINGS SHALL BE BY P.C. EXCEPT WHEN NEW WALLS & CEILINGS ARE TO BE INSTALLED IN WHICH CASE G.C. SHALL BE RESPONSIBLE FOR INSTALLING NEW SURFACES ON FLOORS, WALLS & CEILINGS.
- REPAIR DAMAGED FIRE PROOFING WHEN FASTENING OR REMOVING SUPPORTS TO UNDERSIDE OF DECK.
- ALL MATERIALS REMOVED ARE TO BE RECYCLED.

Madison, Wisconsin

Owner:
City of Madison
210 MLK Jr. Blvd
Madison, WI 53703-3342

PROJECT NUMBER	132273.00
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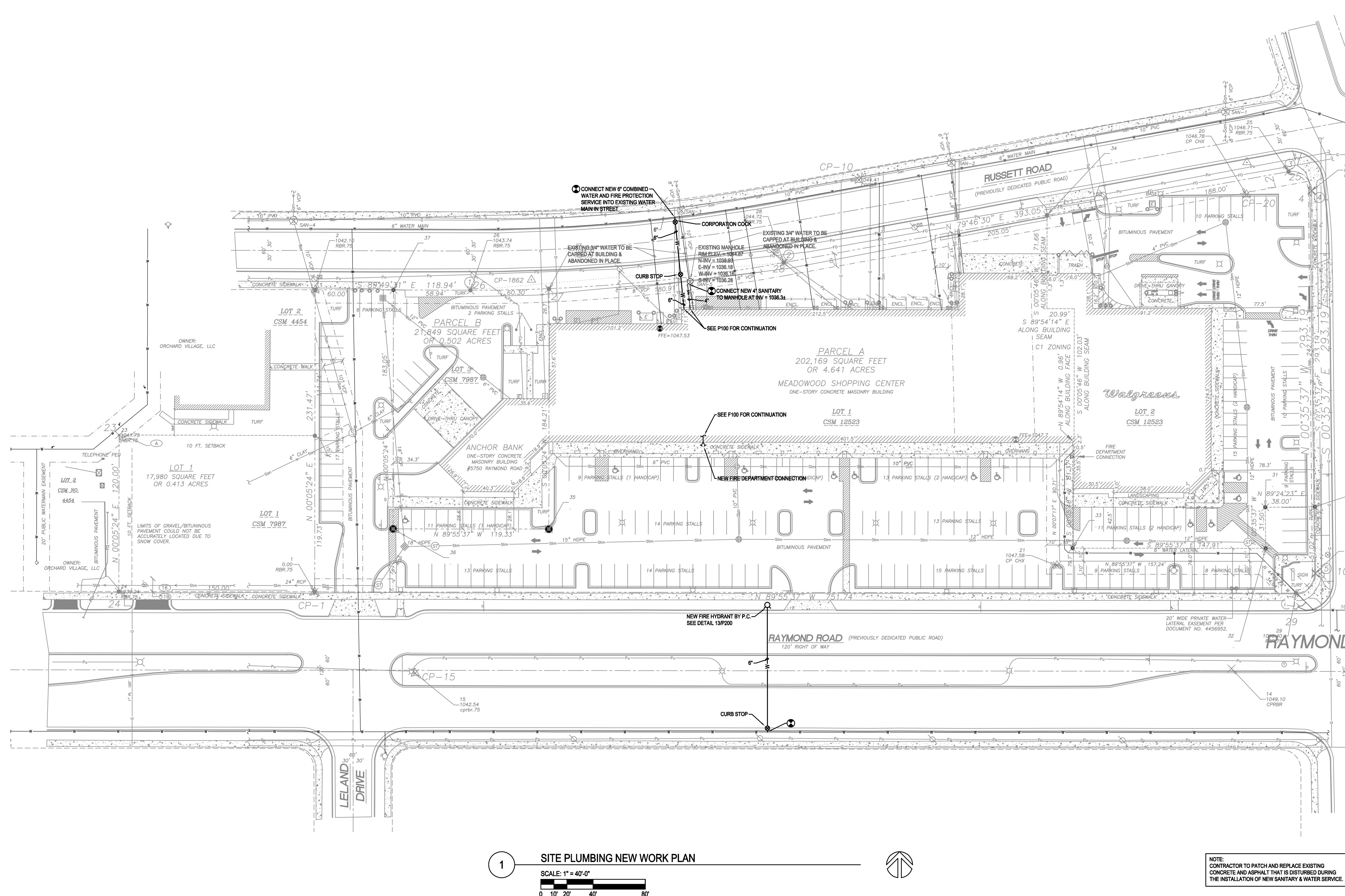
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SITE PLUMBING NEW WORK PLAN

NOTE:
CONTRACTOR TO PATCH AND REPLACE EXISTING
CONCRETE AND ASPHALT THAT IS DISTURBED DURING
THE INSTALLATION OF NEW SANITARY & WATER SERVICE



Meadowridge Branch Library
& Meadowood Neighborhood
Center

Madison, Wisconsin

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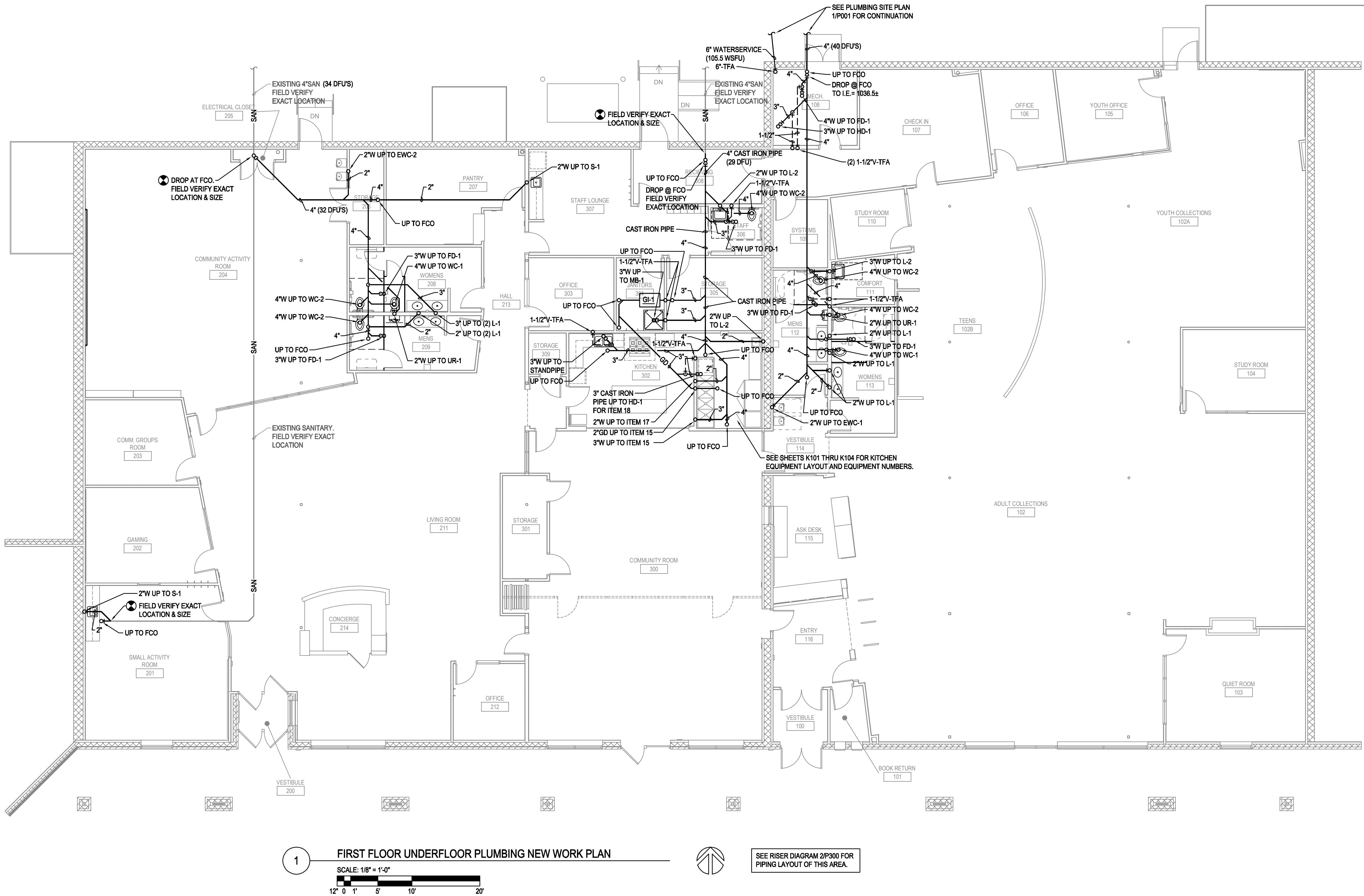
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FIRST FLOOR
UNDERFLOOR
PLUMBING NEW
WORK PLAN

P100



1 FIRST FLOOR UNDERFLOOR PLUMBING NEW WORK PLAN
SCALE: 1/8" = 1'-0"
12' 0' 1' 5' 10' 20'

SEE RISER DIAGRAM 2/P300 FOR
PIPING LAYOUT OF THIS AREA.

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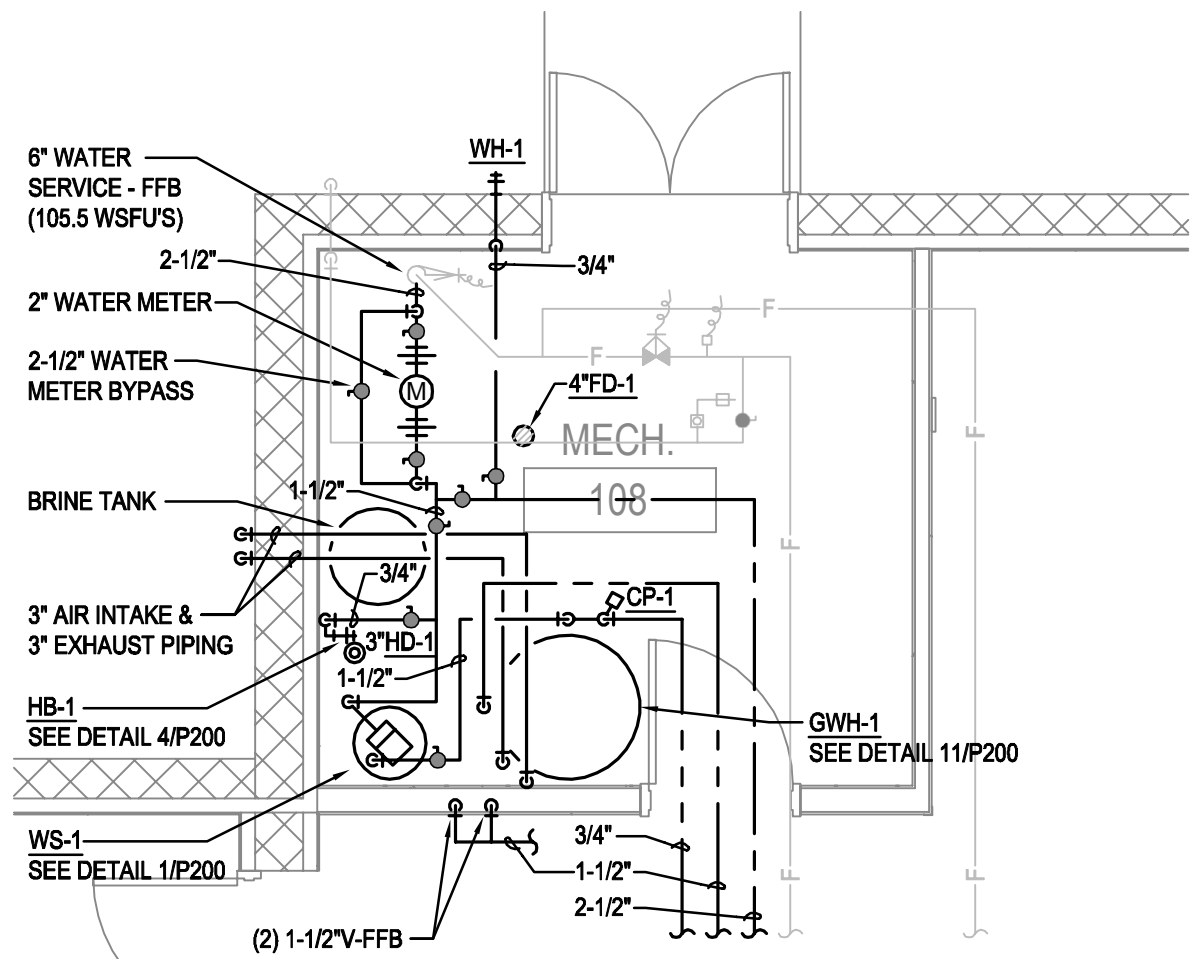
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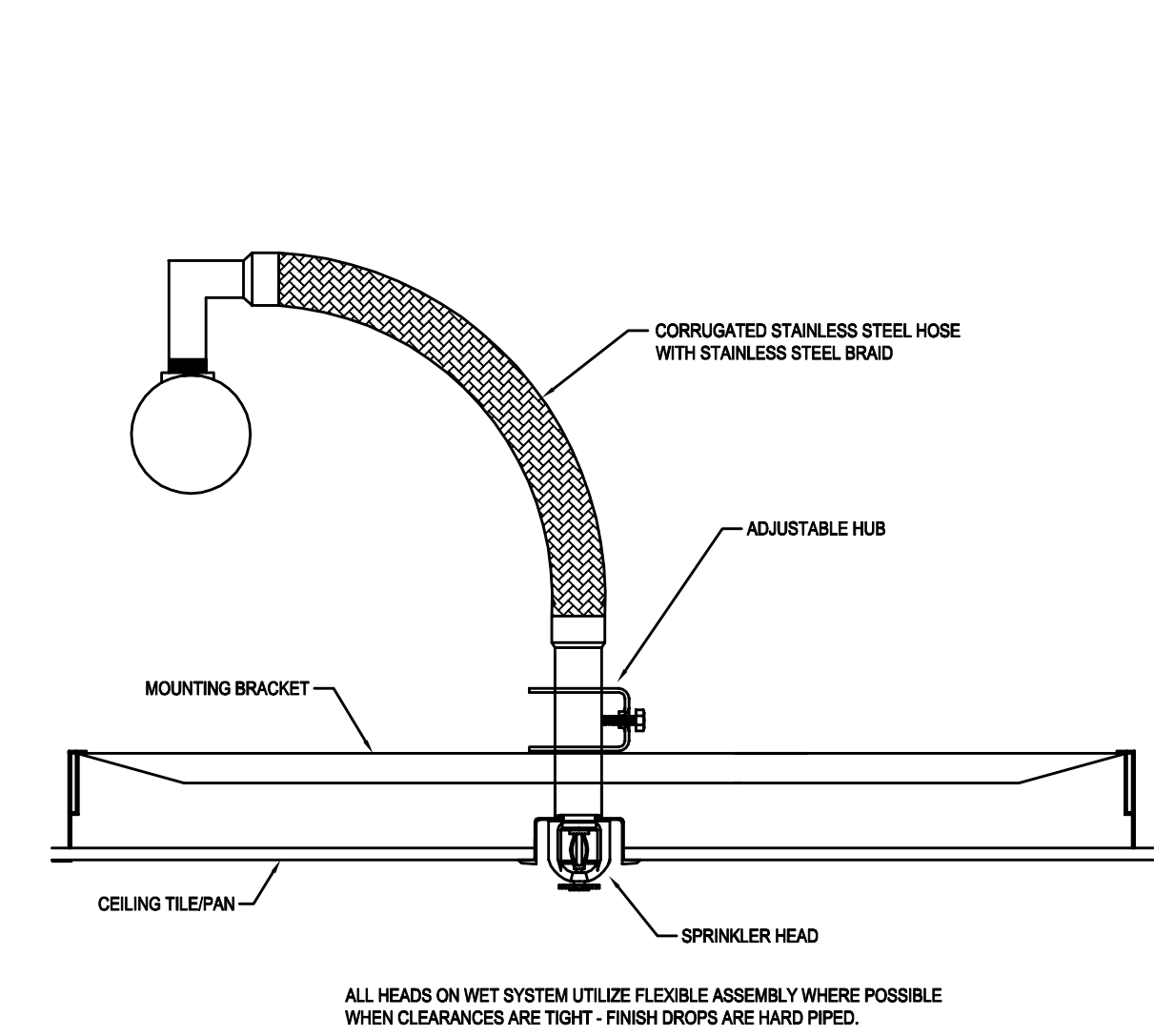
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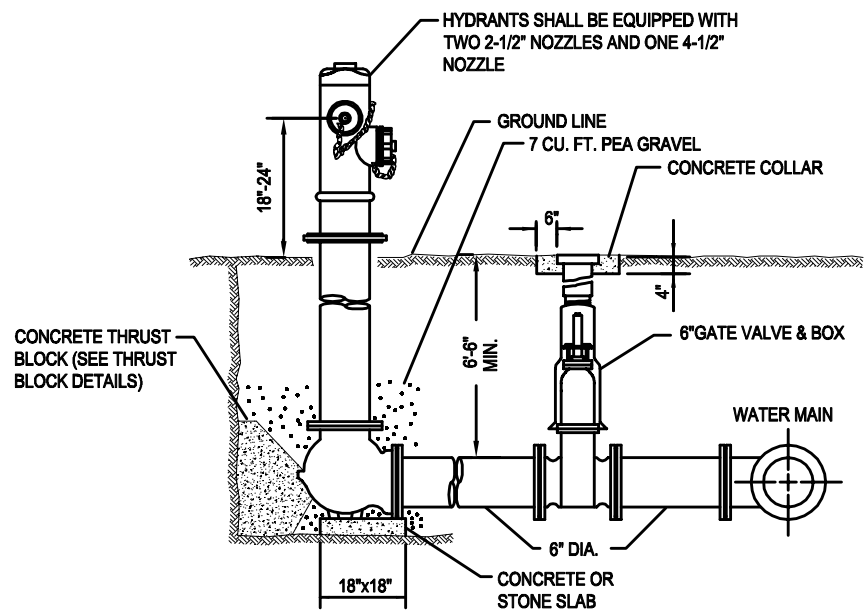
FIRST FLOOR
PLUMBING NEW
WORK PLAN

P110

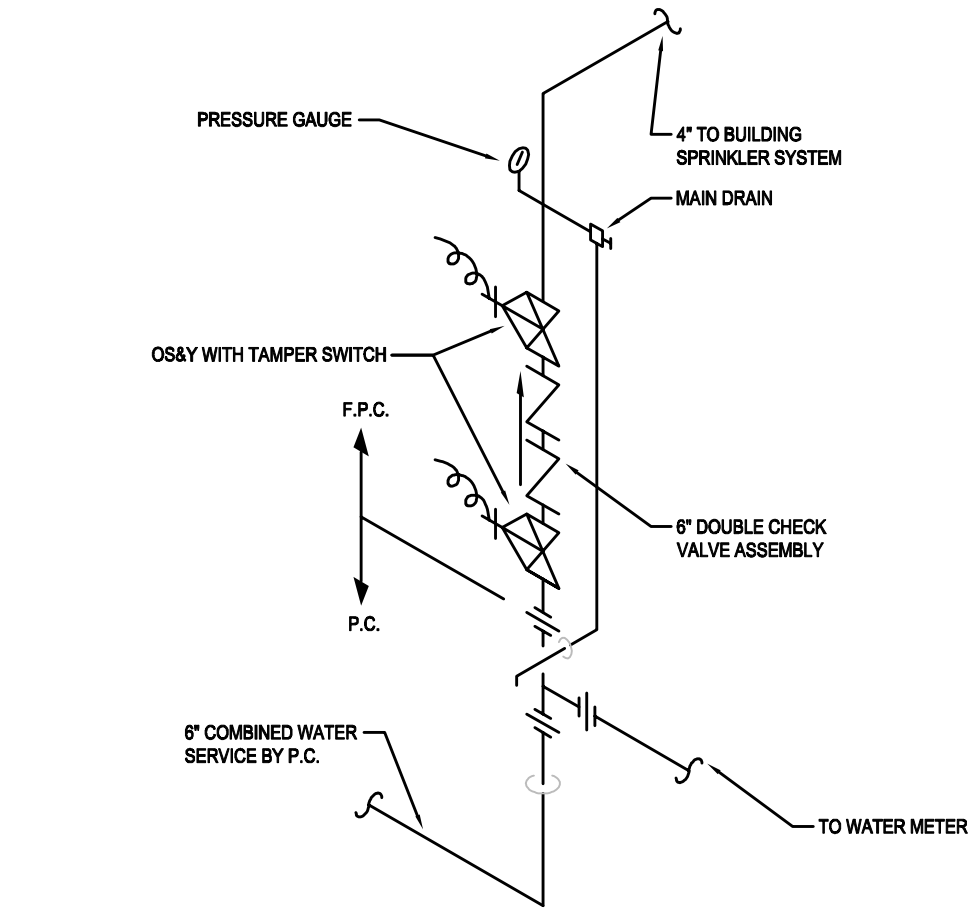




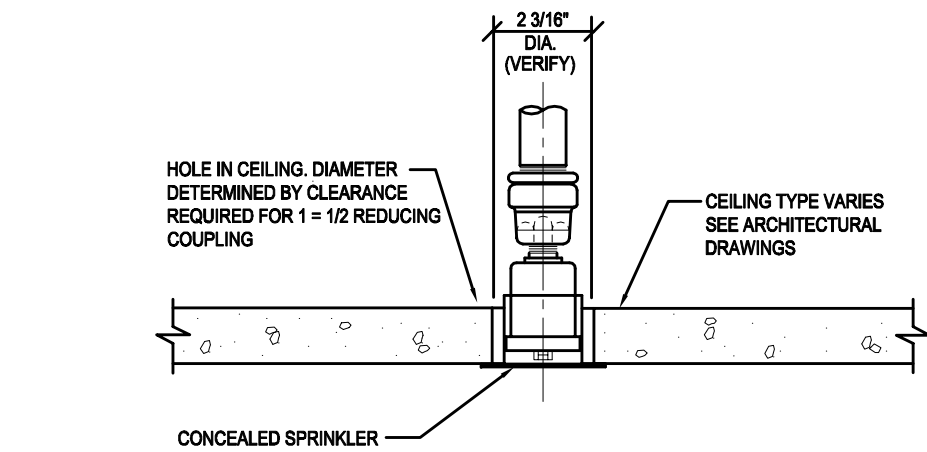
12 FLEXIBLE SPRINKLER DROP DETAIL
NO SCALE



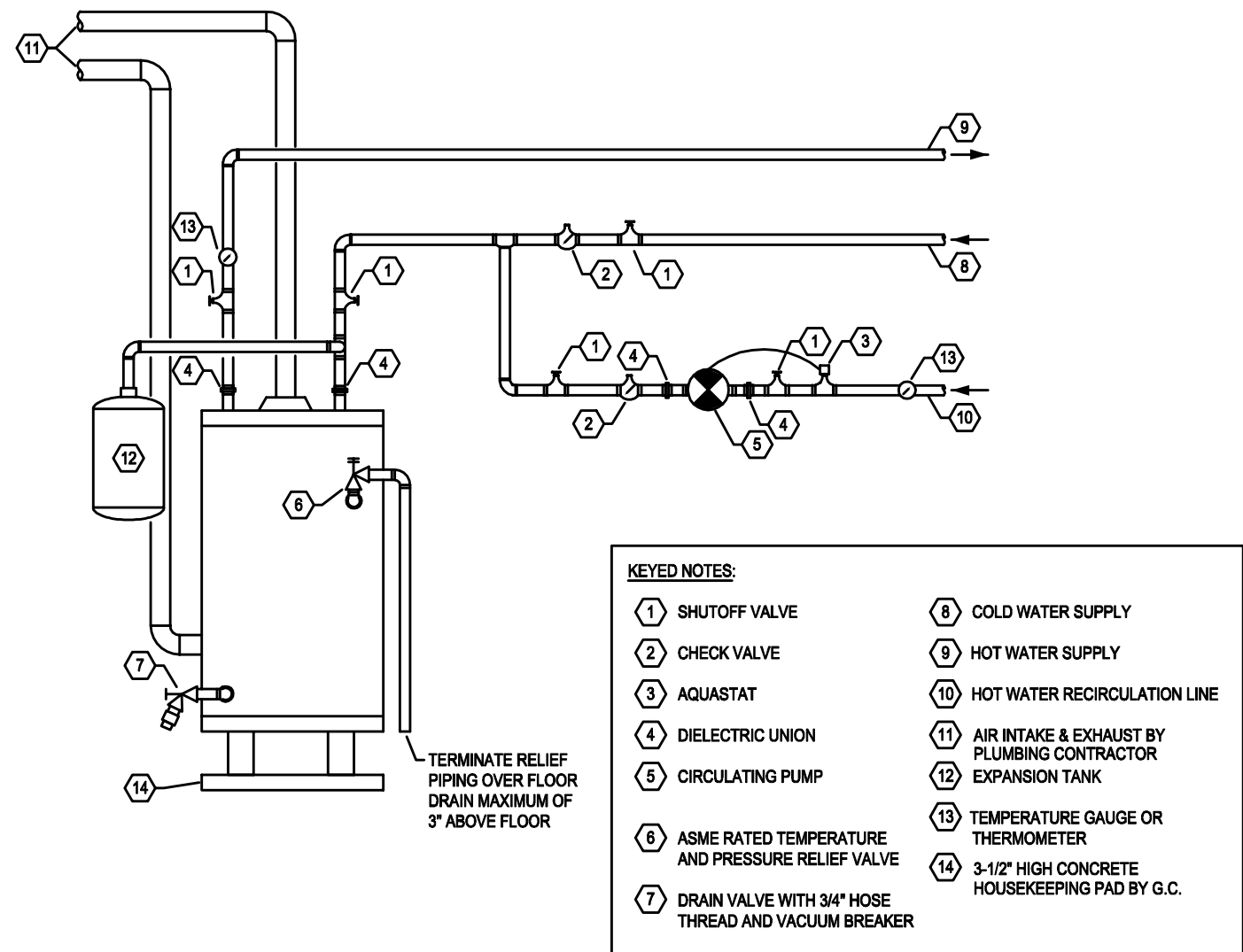
13 FIRE HYDRANT SETTING DETAIL
NO SCALE



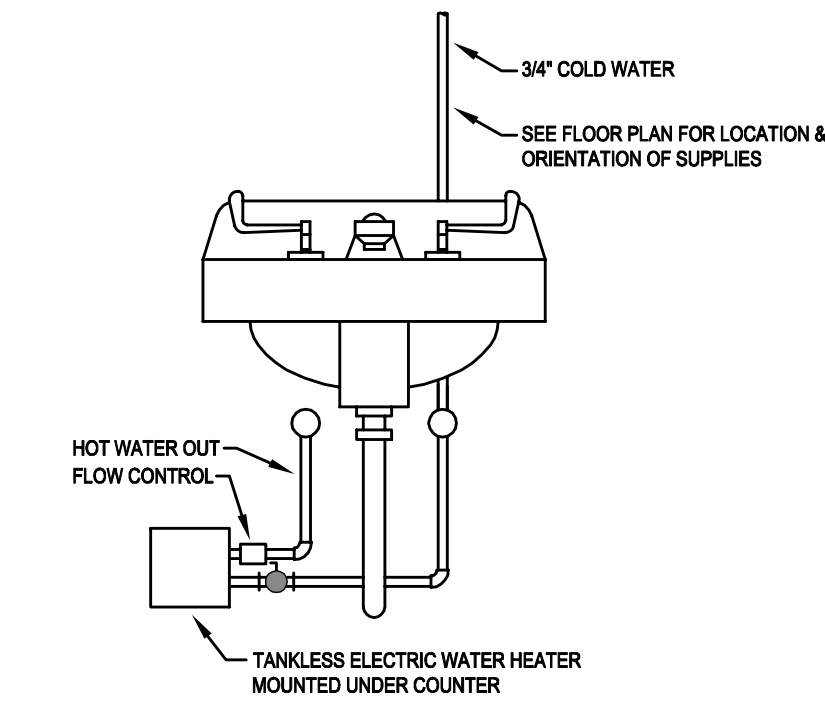
9 WATER SERVICE ENTRANCE DETAIL
NO SCALE



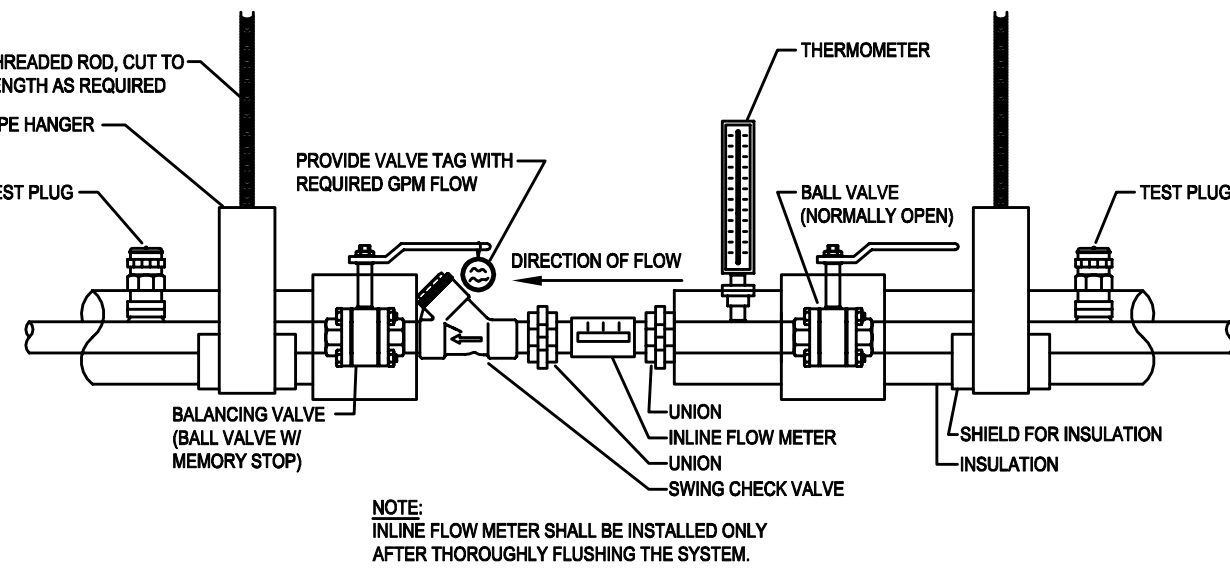
10 (TYP) CONCEALED SPRINKLER HEAD
NO SCALE



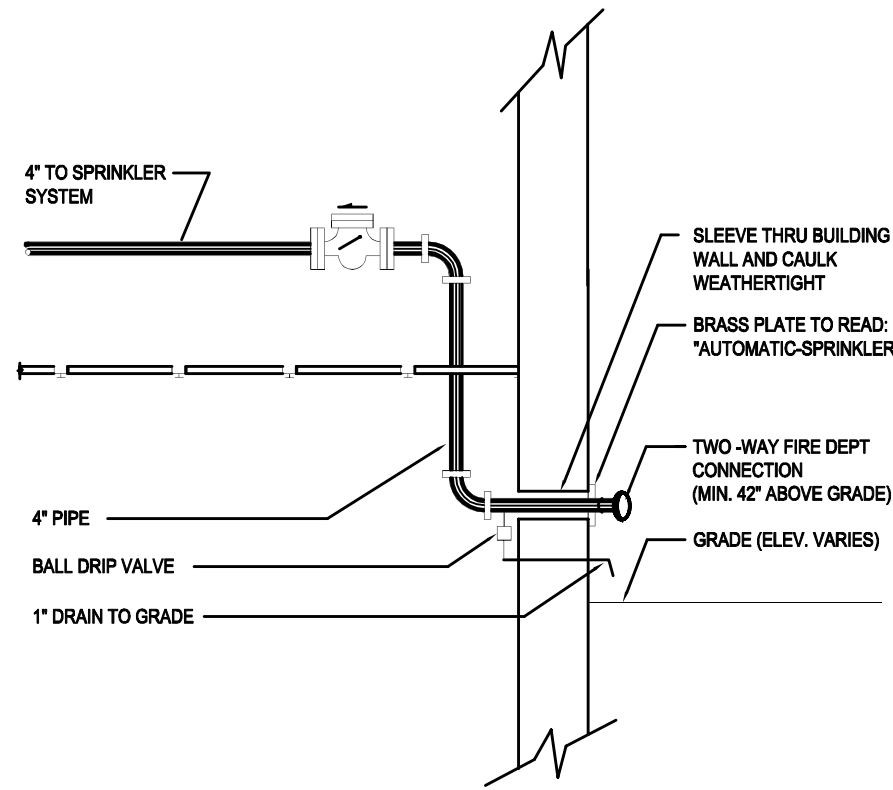
11 WATER HEATER PIPING DIAGRAM (TYPICAL DETAIL)
NO SCALE



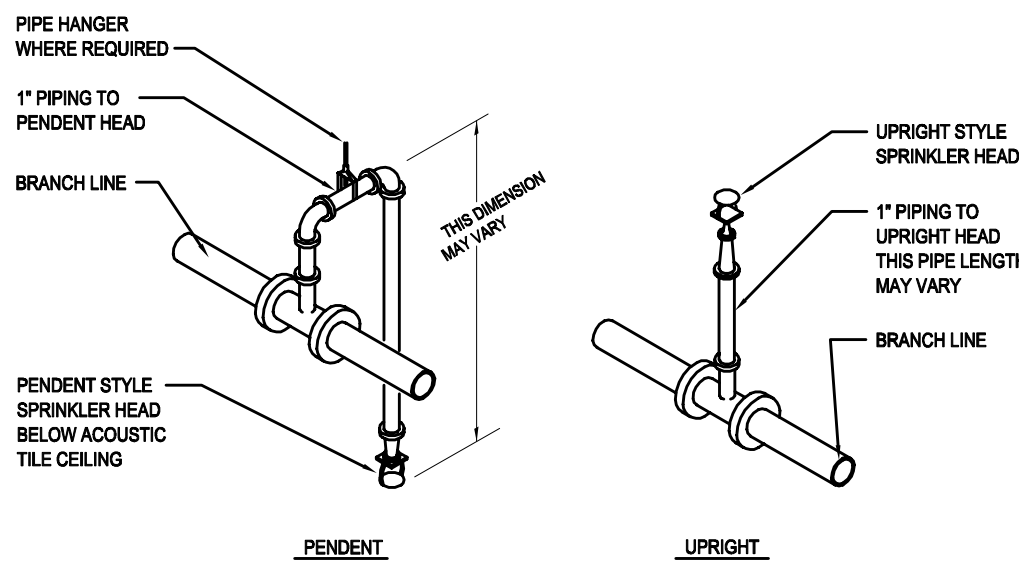
5 TANKLESS ELECTRIC WATER HEATER
NO SCALE



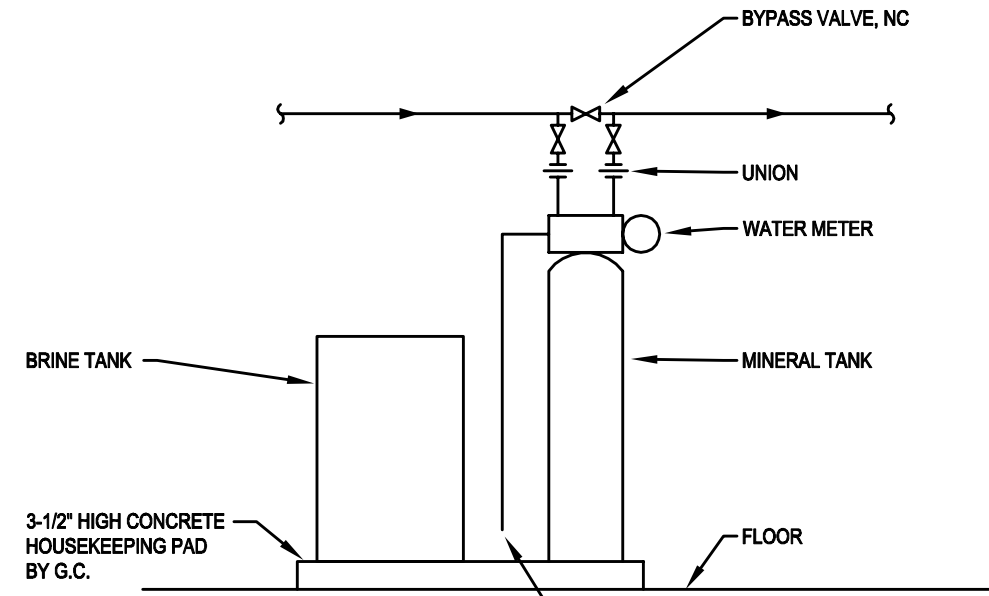
6 TYPICAL HOT WATER RETURN BRANCH VALVING (BALANCING VALVE)
NO SCALE



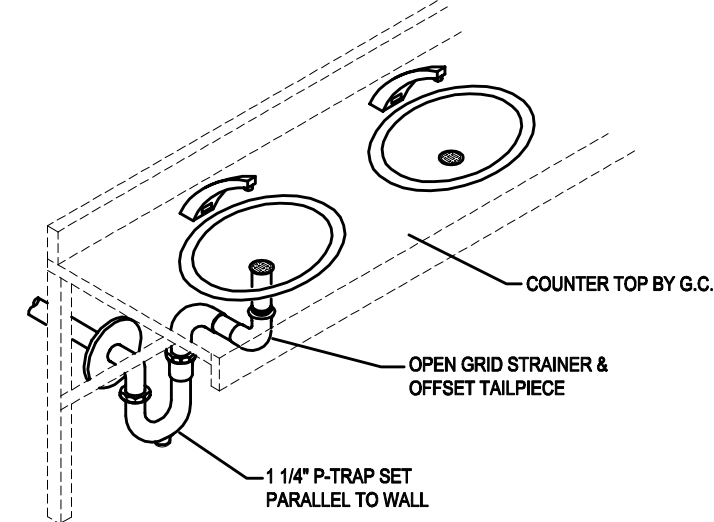
7 FIRE DEPTMENT CONNECTION DETAIL
NO SCALE



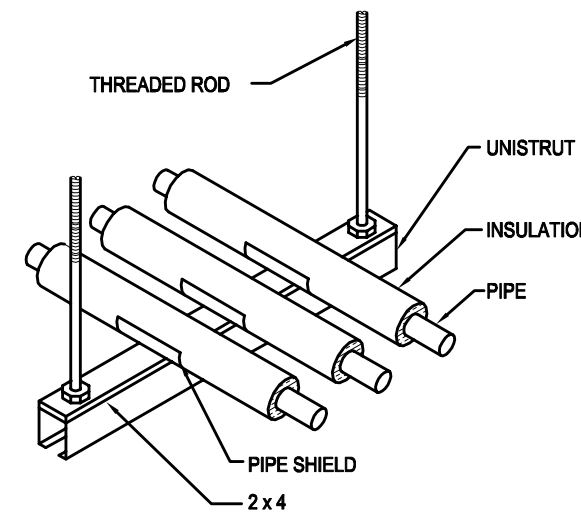
8 SPRINKLER HEAD TAKE-OFF DETAILS
NO SCALE



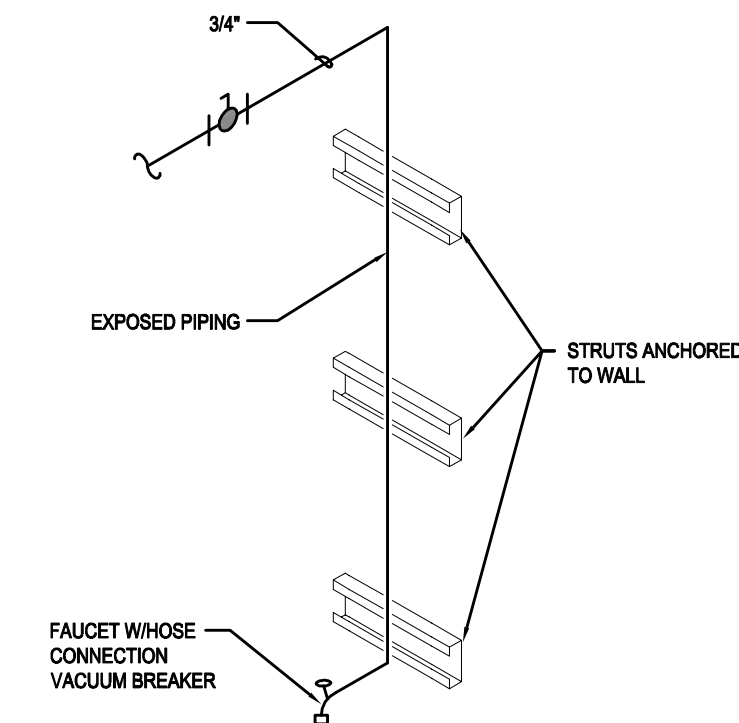
1 WATER SOFTENER
NO SCALE



2 COUNTER-MOUNTED LAVATORY
NO SCALE



3 UNI-STRUT PIPE SUPPORT
NO SCALE



4 HOSE BIBB DETAIL
NO SCALE

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JOB NO: 7868

Meadowridge Branch Library
& Meadowood Neighborhood
Center

Madison, Wisconsin

Owner:
City of Madison
210 MLK Jr. Blvd
Madison, WI 53703-3342

PROJECT NUMBER 132273.00

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PLUMBING DETAILS

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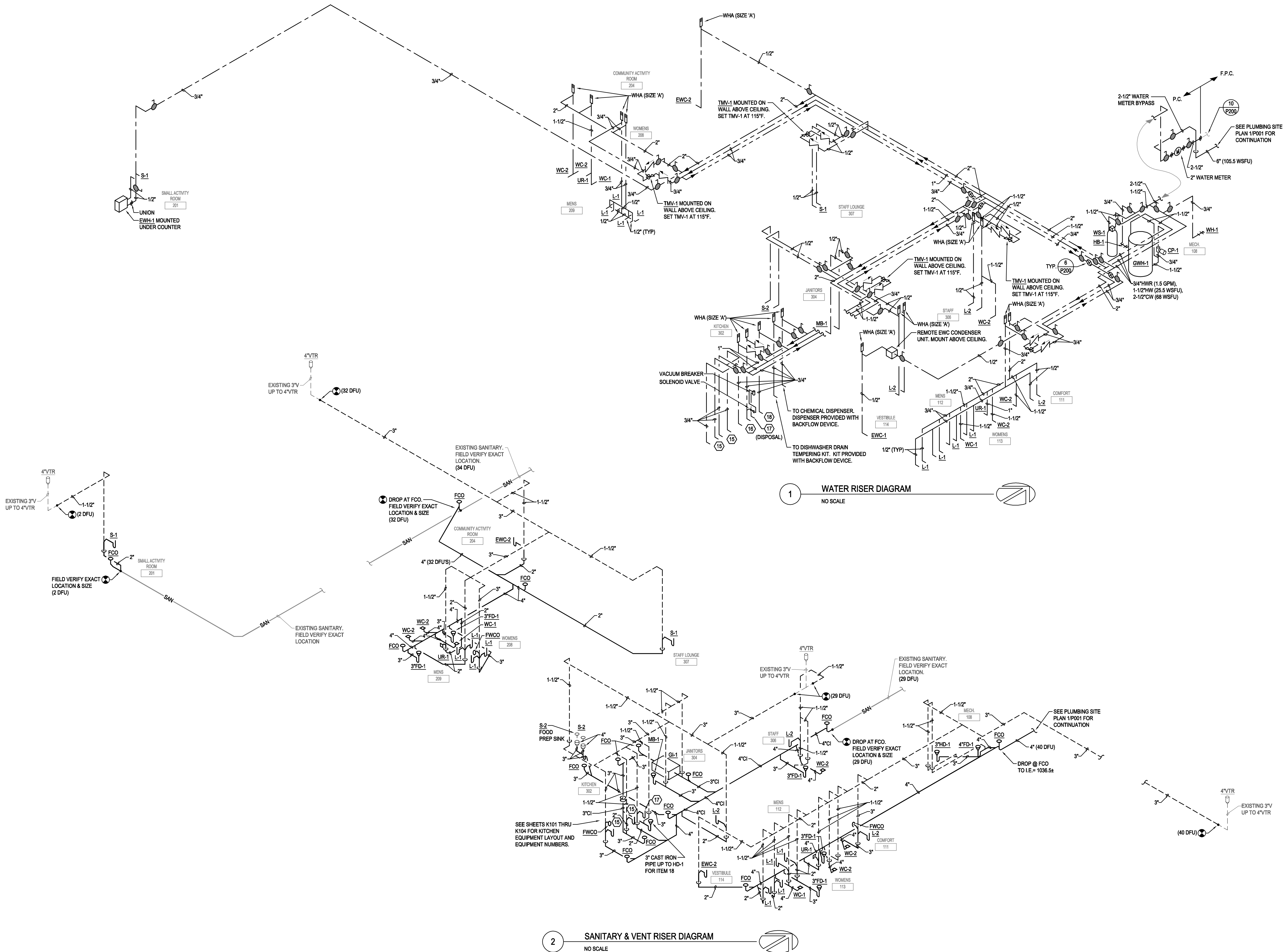
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PLUMBING RISERS

P300



Meadowridge Branch Library
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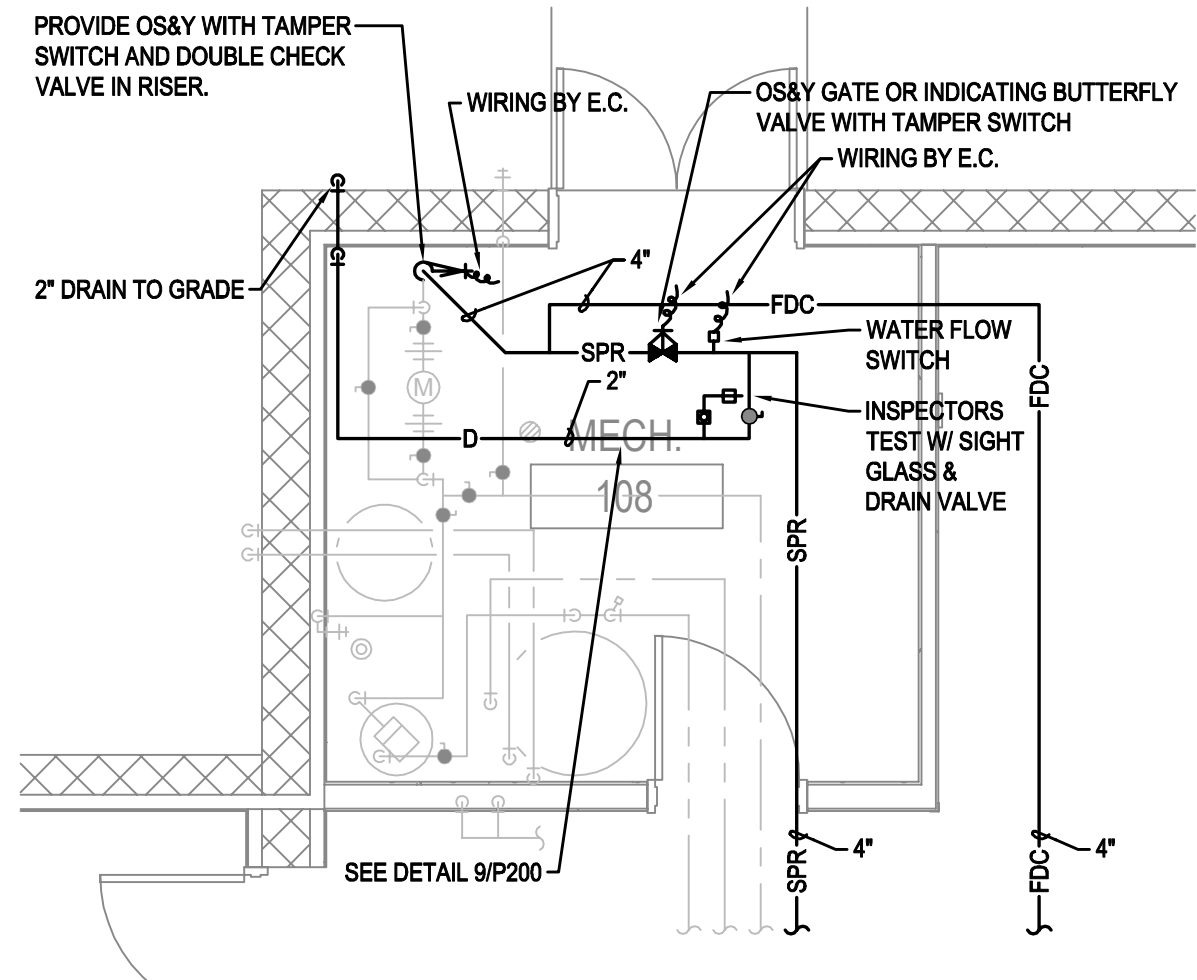
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FIRST FLOOR FIRE
PROTECTION NEW
WORK PLAN

F100

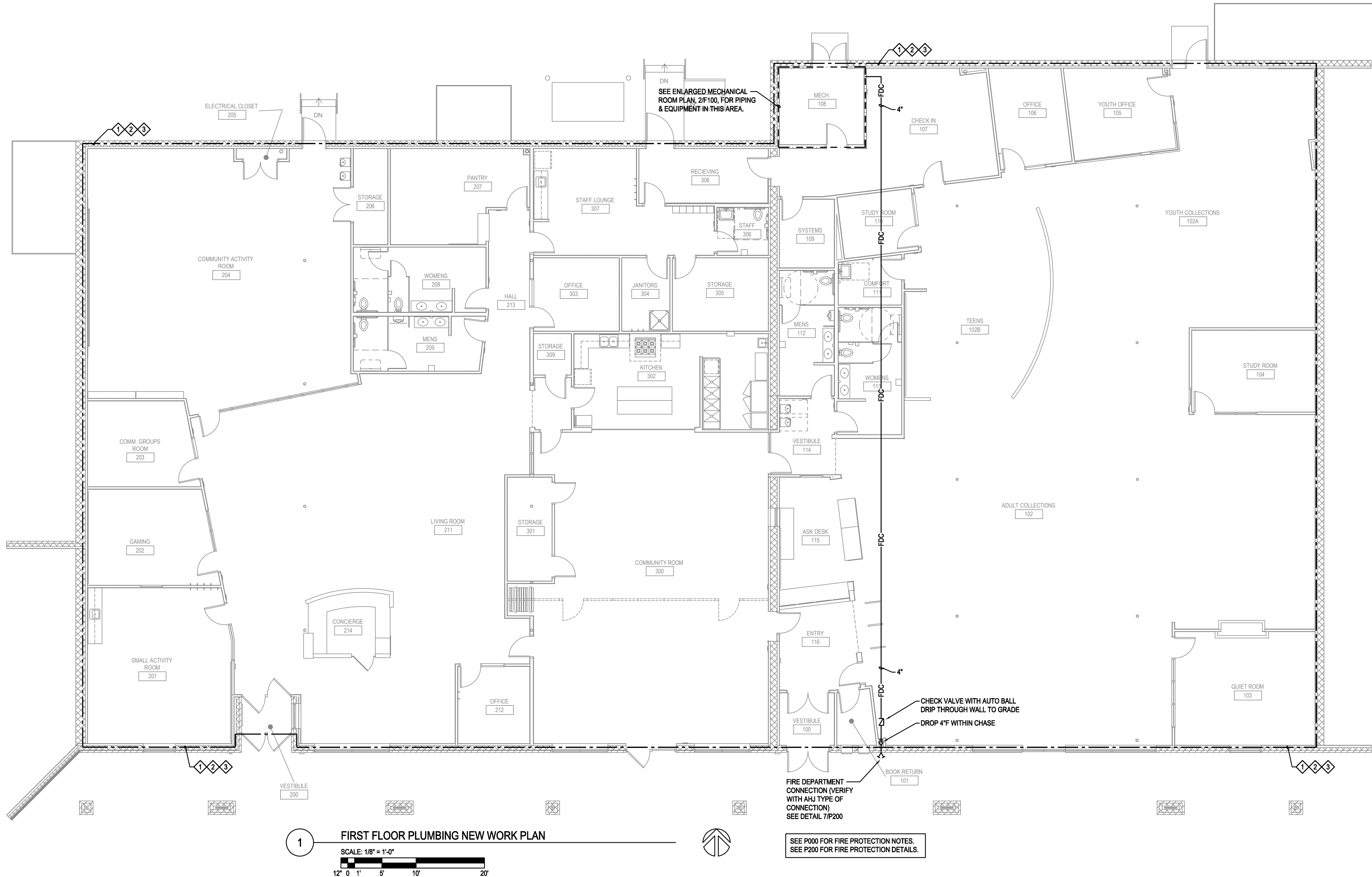


KEYED FIRE PROTECTION NOTES:

- 1 TO PROVIDE A COMPLETE AND OPERABLE FIRE PROTECTION SYSTEM IN COMPLIANCE WITH NFPA 13 THROUGHOUT THIS AREA. PIPING AND HEADS SHALL BE LOCATED AND INSTALLED BY FPC PER NEW CEILING AND WALL LAYOUT (REFER TO ARCHITECTURAL DRAWINGS). COORDINATE HEAD LOCATION WITH LIGHTING AND DIFFUSER LOCATIONS. FIRE PROTECTION SYSTEM PIPING MUST BE HYDRAULICALLY CALCULATED. PIPE SCHEDULE DESIGN METHODS ARE NOT PERMITTED.
- 2 SEE SHEET P000 FOR FIRE PROTECTION NOTES, SYMBOLS & ABBREVIATIONS. SEE SHEET P200 FOR FIRE PROTECTION DETAILS.
- 3 THE ROOF TRUSSES THROUGHOUT THIS AREA ARE WOOD AND ARE LOCATED ABOVE THE BUILDING INSULATION AND ARE SUBJECT TO FREEZING CONDITIONS. PROVIDE A COMPLETE AND OPERABLE FIRE PROTECTION SYSTEM IN COMPLIANCE WITH NFPA 13. USE DRY UPRIGHT SPRINKLERS WITHIN THIS TRUSS SPACE.

2 ENLARGED MECHANICAL ROOM PLAN

SCALE: 1/4" = 1'-0"
12' 0' 1' 5' 10'



1 FIRST FLOOR PLUMBING NEW WORK PLAN

SCALE: 1/8" = 1'-0"
12' 0' 1' 5' 10' 20'

SEE P000 FOR FIRE PROTECTION NOTES.
SEE P200 FOR FIRE PROTECTION DETAILS.

Meadowridge Branch Library
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Madison, Wisconsin

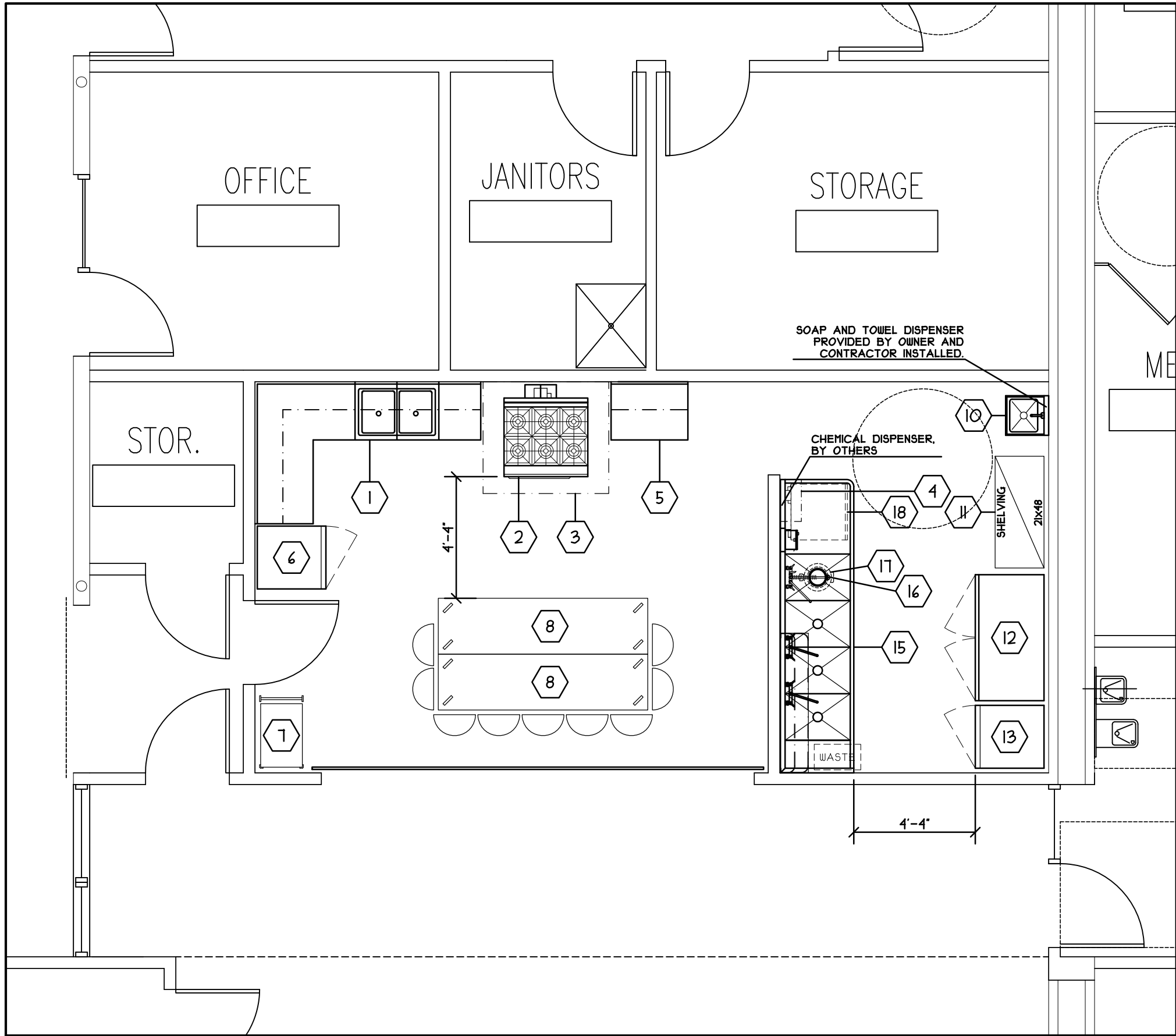
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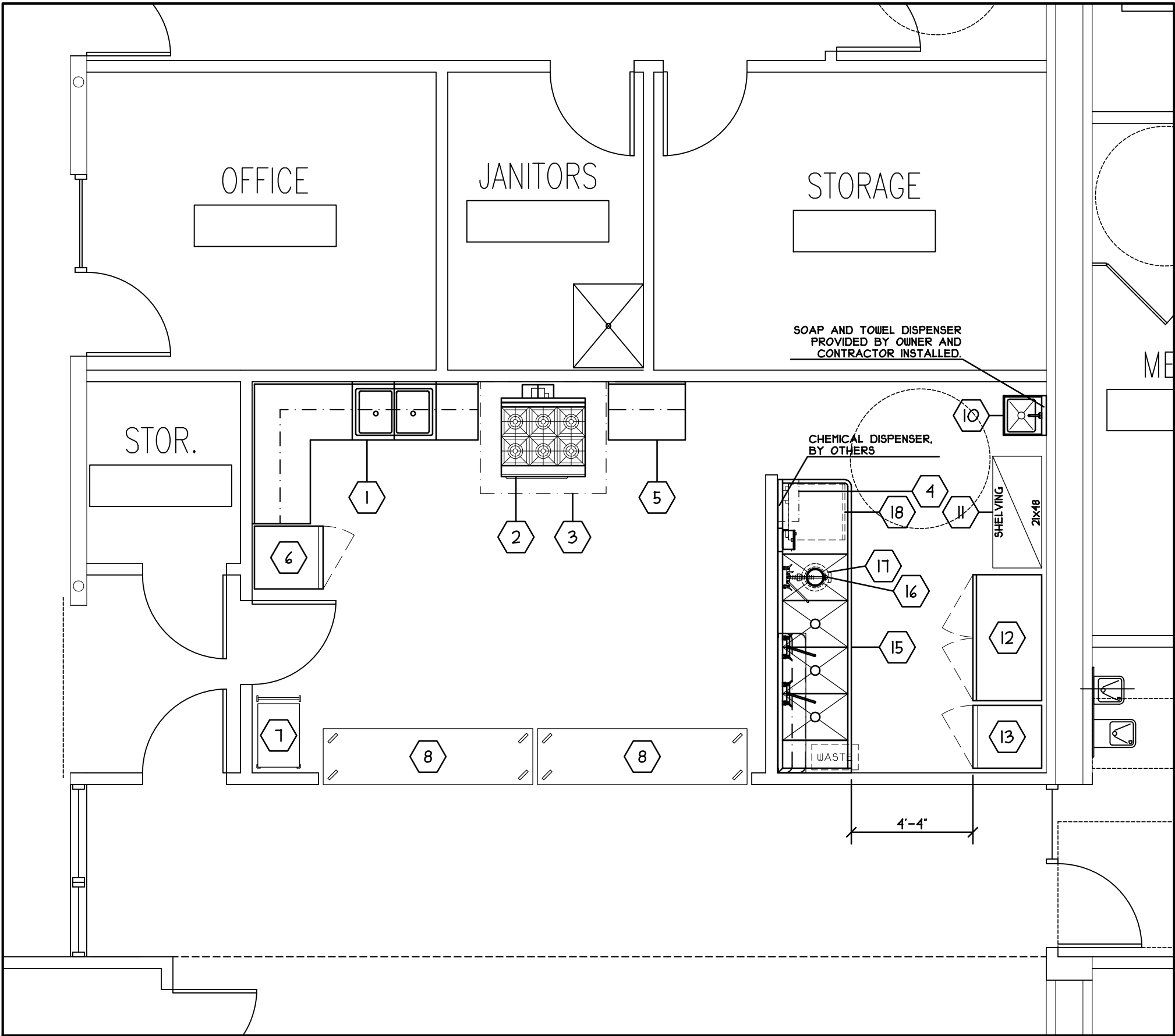
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1 FOODSERVICE LAYOUT - OPTION 1
SCALE: 1/4" = 1'-0"

ITEM	EQUIPMENT SCHEDULE
1	WORKTABLE WITH PREPARATION SINKS, DESIGNED BY ARCHITECT AND PROVIDED BY MILLWORK CONTRACTOR. SEE ARCH.
2	RANGE WITH CONVECTION OVEN
3	EXHAUST HOOD
4	FIRE SUPPRESSION SYSTEM
5	WORKTABLE, DESIGNED BY ARCHITECT AND PROVIDED BY MILLWORK CONTRACTOR. SEE ARCH.
6	RESIDENTIAL REFRIGERATOR, BY OWNER
7	MOBILE CART
8	MOBILE WORKTABLES
9	OPEN NUMBER
10	HAND SINK, BY PC
11	DRY STORAGE SHELVING
12	REACH-IN COOLER
13	REACH-IN FREEZER
14	OPEN NUMBER
15	POT AND PAN SINKS
16	PRE-RINSE SPRAY ASSEMBLY
17	DISPOSER
18	UNDERCOUNTER DISHWASHER



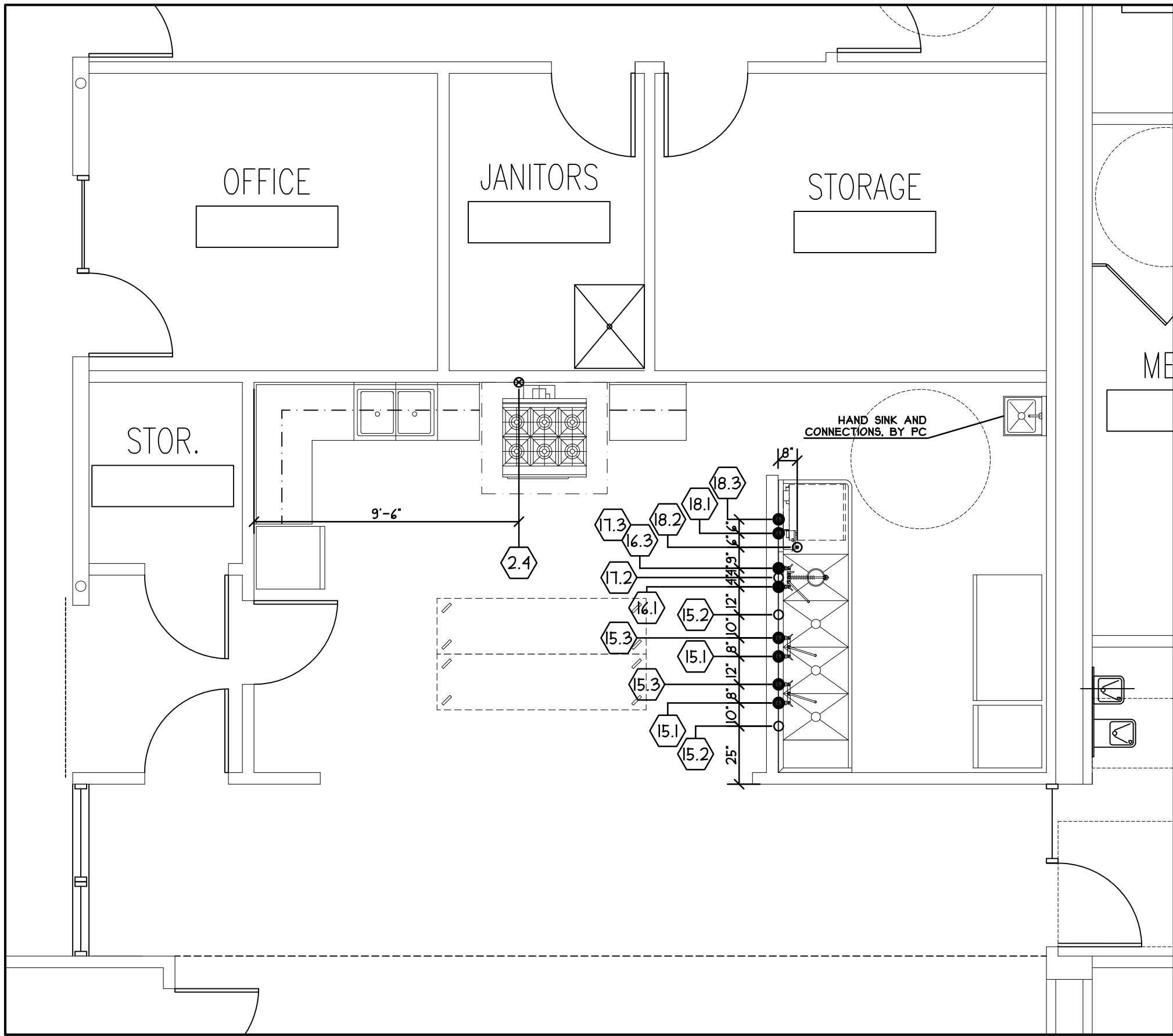
2 FOODSERVICE LAYOUT - OPTION 2
SCALE: 1/4" = 1'-0"

EQUIPMENT SCHEDULE				ELECTRICAL SCHEDULE										PLUMBING SCHEDULE										MECHANICAL SCHEDULE			
ITEM	DESCRIPTION	QUAN	NEW (N) EXIST (X) FUTURE (F)	VOLT	PHASE	KW	AMP	HP	CONN. TYPE	NEMA NUMBER	COMMENTS	ITEM	CW	120°F. HW	140°F. HW	HW GPH MAX	WASTE DIR.	INDR.	GAS MBTU	SIZE	COMMENTS	EXH. CFM	EXH. SIZE	EXH. S.P.	COMMENTS		
1	WORKTABLE WITH PREPARATION SINKS	1	SEE ARCH.																								
2	RANGE WITH CONVECTION OVEN	1	N	115	1	4.0			CORD	5-15P	EC TO FURNISH AND INSTALL SHUNT TRIP BREAKER INTERWIRED TO ITEM #4.	2							215	3/4"	FEC TO FURNISH FLEX GAS HOSES AND GAS PRESSURE REGULATORS TO PC FOR INSTALLATION.						
3	EXHAUST HOOD	1	N	115	1	1.5			DIR.		POWER INDICATED IS FOR THE HOOD LIGHTS ONLY. THE FAN ELECTRICAL IS DETERMINED BY OTHERS. FAN AND LIGHT SWITCHES ARE PROVIDED BY EC. EC TO LOCATE SWITCHES AS INDICATED ON THE FOODSERVICE ELECTRICAL ROUGH-IN SHEET.	3									65	8" X 8"	0.225"	S.P. IS AT DUCT COLLAR.			
4	FIRE SUPPRESSION SYSTEM	1	N	115	1	16.0			DIR.		REQUIRES A DEDICATED 24 HOUR CIRCUIT. EC TO INTERCONNECT SHUNT TRIP BREAKER FOR ITEM #2.	4									FEC TO FURNISH MECHANICAL SHUT-OFF VALVE TO PC FOR INSTALLATION.						
5	WORKTABLE	1	SEE ARCH. BY OWNER																								
6	RESIDENTIAL REFRIGERATOR	1		115	1	1.6	0.33		CORD	5-15P	VERIFY POWER REQUIREMENTS WITH OWNER.																
8	MOBILE WORKTABLES	2	N	115	1	3 @ 16.0			CORDS		OUTLETS PRE-WIRED BY COUNTER FABRICATOR.																
10	HAND SINK	1	BY PC	115	1	2.0			CORD		PC RESPONSIBLE FOR HAND SINK AND CONNECTIONS.	10	1/2"	1/2"			1	1/2"			PC RESPONSIBLE FOR HAND SINK AND CONNECTIONS.						
12	REACH-IN COOLER	1	N	115	1	9.1	0.5		CORD	5-15P																	
13	REACH-IN FREEZER	1	N	115	1	1.2	0.33		CORD	5-15P																	
15	POT AND PAN SINKS	1	N									15	2 @ 3/4"		2 @ 3/4"	3 @ 2"					PC TO CONNECT COMPARTMENT ADJACENT TO DISPOSER SINK TO GREASE TRAP. SINK CAPACITY IS 30 GALLONS/COMPARTMENT.						
16	PRE-RINSE SPRAY ASSEMBLY	1	N									16	3/4"		3/4"												
17	DISPOSER	1	N	208	3	3.2	1.5		DIR.		EC TO CONNECT DISPOSER, SOLENOID AND CONTROL PANEL/SWITCH.	17	1/2"				2"				PC TO CONNECT DISPOSER, SOLENOID, VACUUM BREAKER AND FLOW CONTROL VALVE.						
18	UNDERCOUNTER DISHWASHER	1	N	208	3	4.9	23.9		DIR.			18	3/4"		3/4"	31.1		2"			140°F HW REQUIRED. UNIT PROVIDED WITH 3/4" FEMALE GARDEN HOSE FITTING AND 4" HOSE. PC TO PROVIDE 3/4" MALE HOSE CONNECTION AT 1/2" HW. ROUGH-IN WITH SHUT OFF VALVE AND LINE STRAINER. PC TO INCLUDE WATER HAMMER ARRESTER. SECURE DRAIN HOSE OVER 3" HUB. DRAIN DISCHARGE IS 311 GAL/HR.						

DRAWN BY RAD

CHECKED BY ROCK

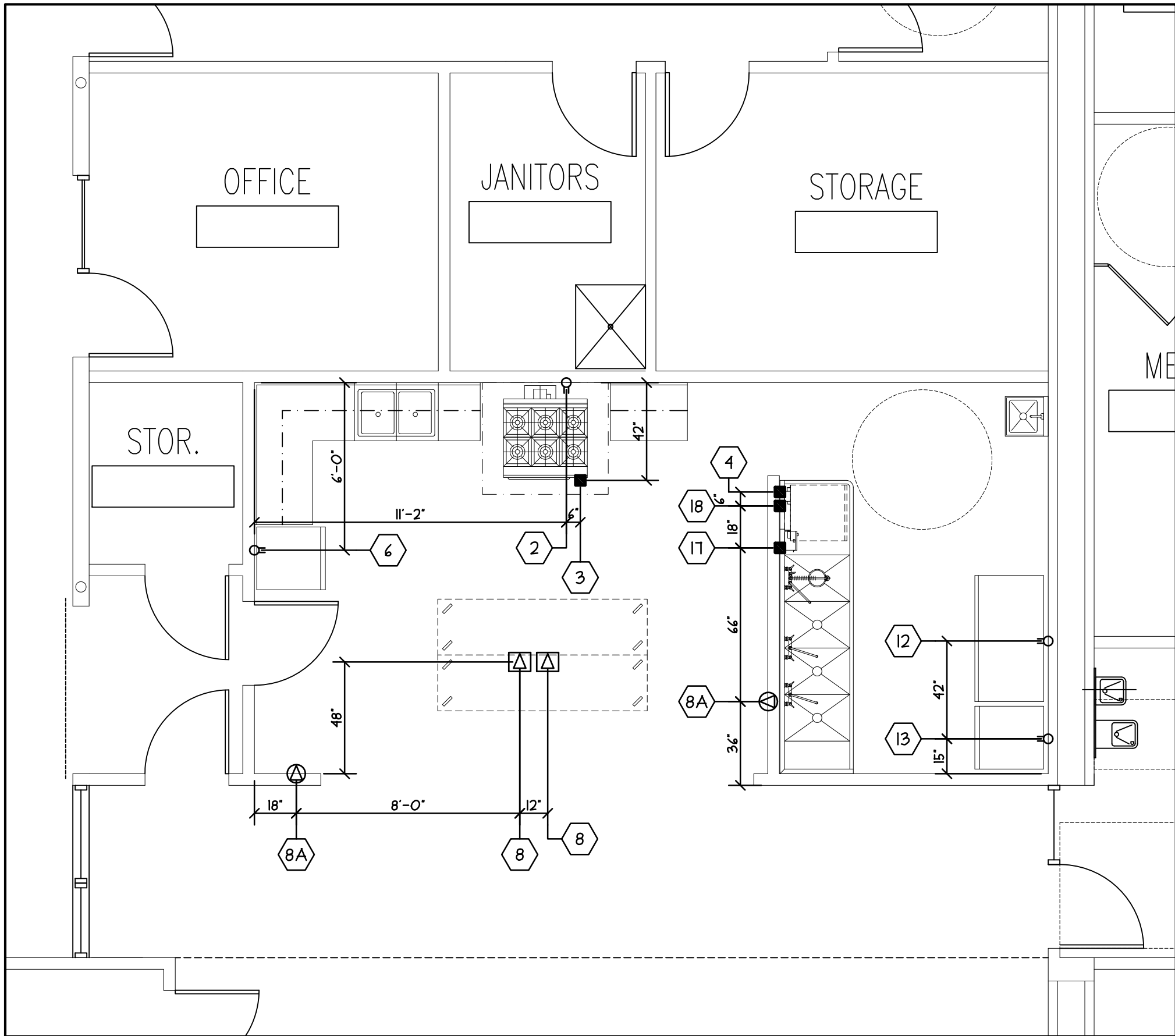
FOODSERVICE
LAYOUTS AND MEP
SCHEDULE



1 **FOODSERVICE PLUMBING ROUGH-INS**
SCALE: 1/4" = 1'-0"

ITEM	PLUMBING CONNECTION SCHEDULE
2.4	3/4" N. GAS 28" AFF.
15.1	3/4" 140° HW 14" AFF. (TWO LOCATIONS)
15.2	2" DW 12" AFF. (TWO LOCATIONS)
15.3	3/4" CW 14" AFF. (TWO LOCATIONS)
16.1	3/4" 140° HW 14" AFF.
16.3	3/4" CW 14" AFF. (BRANCH TO DISPOSER)
17.2	2" DW 12" AFF.
17.3	CW FROM ROUGH-IN LISTED AS 16.3
18.1	3/4" 140° HW 14" AFF.
18.2	3" HUB DRAIN STUB UP 3" AFF. (DO NOT USE PVC FOR HUB DRAIN OR WASTE LINE)
18.1	3/4" CW 14" AFF. (PC TO CONNECT TO DISHWASHER DRAIN TEMPERING KIT AND TO PROVIDE LINE WITH SHUTOFF FOR CHEMICAL DISPENSER)

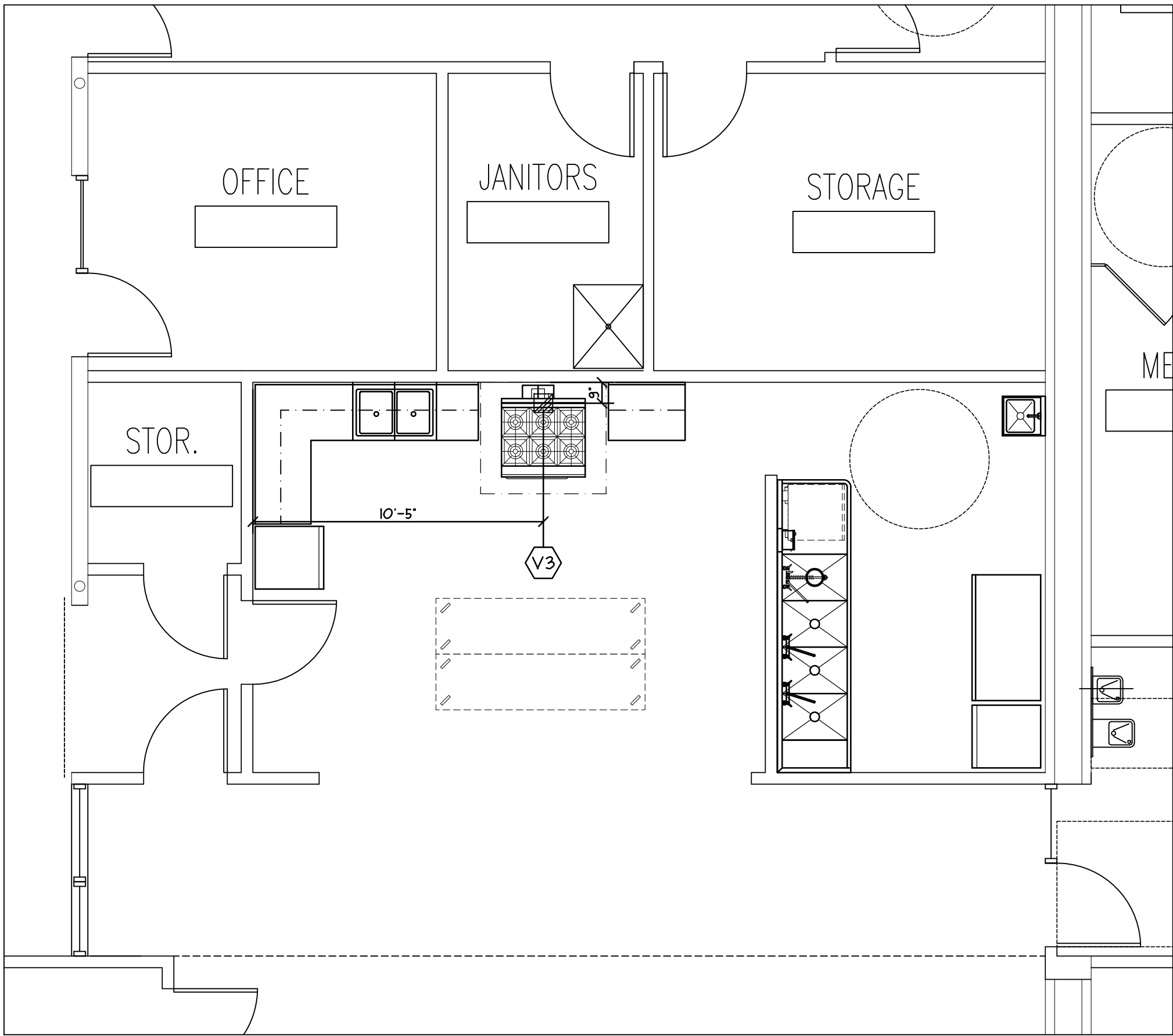
PLUMBING SYMBOLS		
●	HW	HOT WATER
●	CW	COLD WATER
○	DW	DIRECT WASTE
⊗	H.D.	HUB DRAIN
⊗	N. GAS	GAS
⊗	AFF	ABOVE FINISHED FLOOR
○	POC	POINT OF CONNECTION
NOTES:		
FEC		
A.) FEC TO FIELD VERIFY ALL ROUGH-IN LOCATIONS AT EARLY DATE TO ENSURE CORRECT PLACEMENTS AND QUANTITY. NOTE ANY CHANGES AND SUBMIT TO ARCHITECT AND CONSULTANT FOR APPROVAL.		
NOTES:		
PLUMBING CONTRACTOR		
A.) HEIGHTS LISTED ON ROUGH-IN SCHEDULE ARE TO THE CENTER LINE OF THE ROUGH-IN.		
B.) WHERE POSSIBLE THE ROUGH-INS ARE TO BE CONCEALED IN THE WALL AND STUBBED OUT AT THE HEIGHT INDICATED.		
C.) WHERE AN OPEN SITE (HUB DRAIN) IS SPECIFIED THE CONTRACTOR IS TO STOP THE DRAIN PIPING OVER THE DRAIN PER STATE AND LOCAL CODES.		
D.) PC TO REVIEW SECTION 11400 SPECIFICATIONS.		



2 **FOODSERVICE ELECTRICAL ROUGH-INS**
SCALE: 1/4" = 1'-0"

ITEM	ELECTRICAL CONNECTION SCHEDULE
2	115/1 D.O. 24" AFF.
3	115/1 J-BOX FROM ABOVE TO 110" AFF. (CONNECT TO THE CAPTURE JET FAN J-BOX, LIGHT J-BOX AND TO SWITCH)
4	115/1 20.0 AMP ISOLATED BOX FROM ABOVE (EC TO WIRE FROM SHUNT TRIP BREAKERS TO CONTACTORS) EC TO PROVIDE EMPTY OCTAGON J-BOX AT 54" AFF. FOR MANUAL PULL STATION WITH EMPTY CONDUIT RUNNING TO ABOVE FINISHED CEILING (CONDUIT IS FOR MANUAL PULL CABLE) VERIFY EXACT LOCATION WITH ARCHITECT. CONCEAL BOX AND CONDUIT WITHIN WALL.
6	115/1 D.O. 48" AFF. (VERIFY REQUIREMENTS WITH OWNER)
8	115/1 RECESSED WATER-TITE S.O. (TWO LOCATIONS)
8A	115/1 S.O. 24" AFF. (TWO LOCATIONS)
12	115/1 D.O. 88" AFF.
13	115/1 D.O. 88" AFF.
17	208/3 J-BOX 16" AFF.
18	208/3 J-BOX 16" AFF.

ELECTRICAL SYMBOLS		
■	J-BOX	ELECTRICAL JUNCTION BOX
⊕	S.O.	SINGLE SPECIAL PURPOSE RECEPTACLE
⊕	D.O.	DUPLEX RECEPTACLE
⊕	FLOOR S.O.	FLUSH WATER RESISTANT FLOOR BOX WITH SINGLE SPECIAL PURPOSE RECEPTACLE AND BRASS COVER PLATE WITH SCREW-IN RECEPTACLE HOLE CAPS
⊕	AFF.	ABOVE FINISHED FLOOR
⊕	SW	SWITCH
○	POC	POINT OF CONNECTION
NOTES:		
FEC		
A.) FEC TO FIELD VERIFY ALL ROUGH-IN LOCATIONS AT EARLY DATE TO ENSURE CORRECT PLACEMENTS AND QUANTITY. NOTE ANY CHANGES AND SUBMIT TO ARCHITECT AND CONSULTANT FOR APPROVAL.		
NOTES:		
ELECTRICAL CONTRACTOR		
A.) HEIGHTS LISTED ON ROUGH-IN SCHEDULE ARE TO THE CENTER LINE OF THE ROUGH-IN.		
B.) UNLESS OTHERWISE NOTED ALL WALL MOUNTED SINGLE AND DUPLEX RECEPTACLES ARE TO BE MOUNTED HORIZONTALLY.		
C.) WHERE POSSIBLE THE ROUGH-INS ARE TO BE CONCEALED IN THE WALL OR FLOOR AND STUBBED OUT AT THE HEIGHTS INDICATED.		
D.) EC TO PROVIDE G.F.I. STYLE OUTLETS WHERE CODE INDICATES WHERE THEY SHOULD BE INSTALLED.		
E.) EC TO REVIEW SECTION 11400 SPECIFICATIONS.		
F.) ALL POWER PANELS MUST HAVE MOLDED CASE SWITCH AS MAIN DISCONNECT.		



ITEM	VENTILATION CONNECTION SCHEDULE
V3	651 CFM 8"X8" EXHAUST DUCT CONNECTION 0.225" S.P.

1 FOODSERVICE BUILDING WORKS PLAN
SCALE: 1/4" = 1'-0"

Meadowridge Branch Library
& Meadowood Neighborhood
Center

Madison, Wisconsin

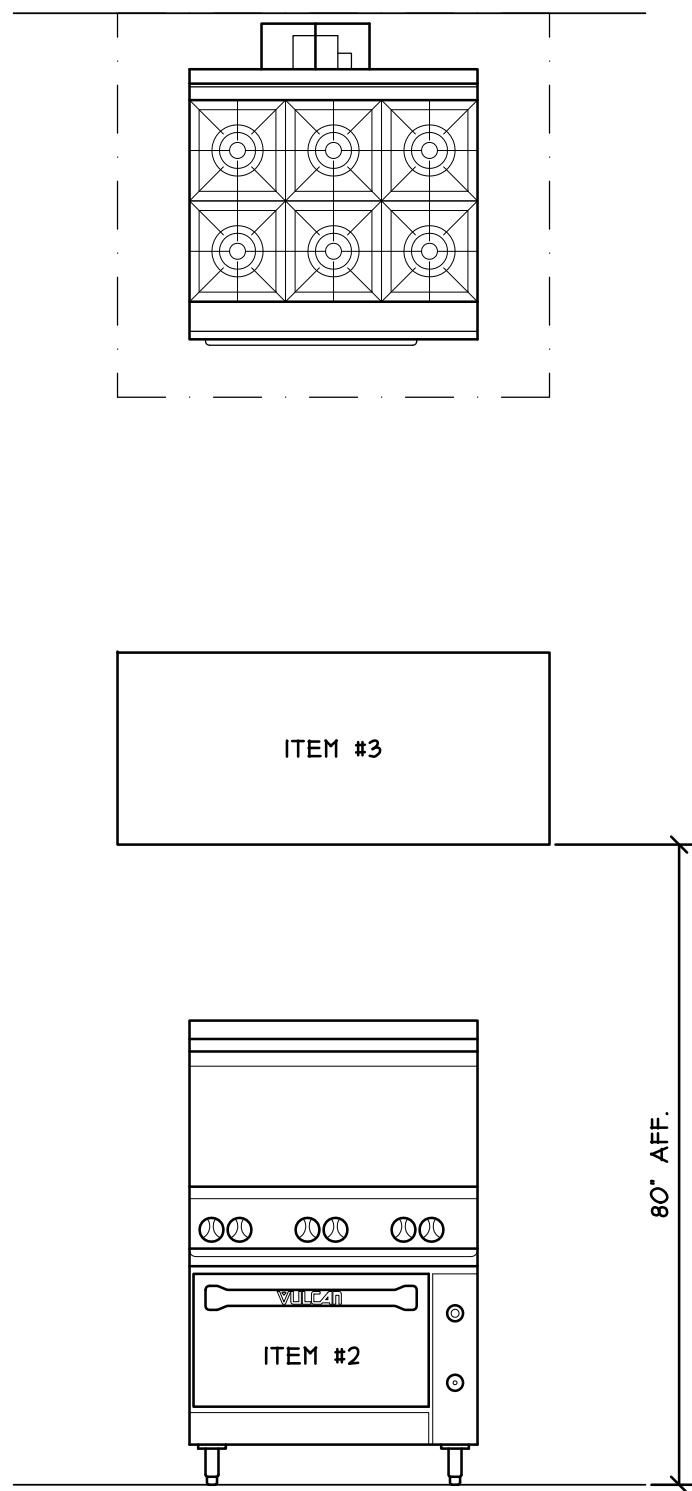
Owner:
City of Madison
210 MLK Jr. Blvd
Madison, WI 53703-3342

PROJECT NUMBER 132273.00

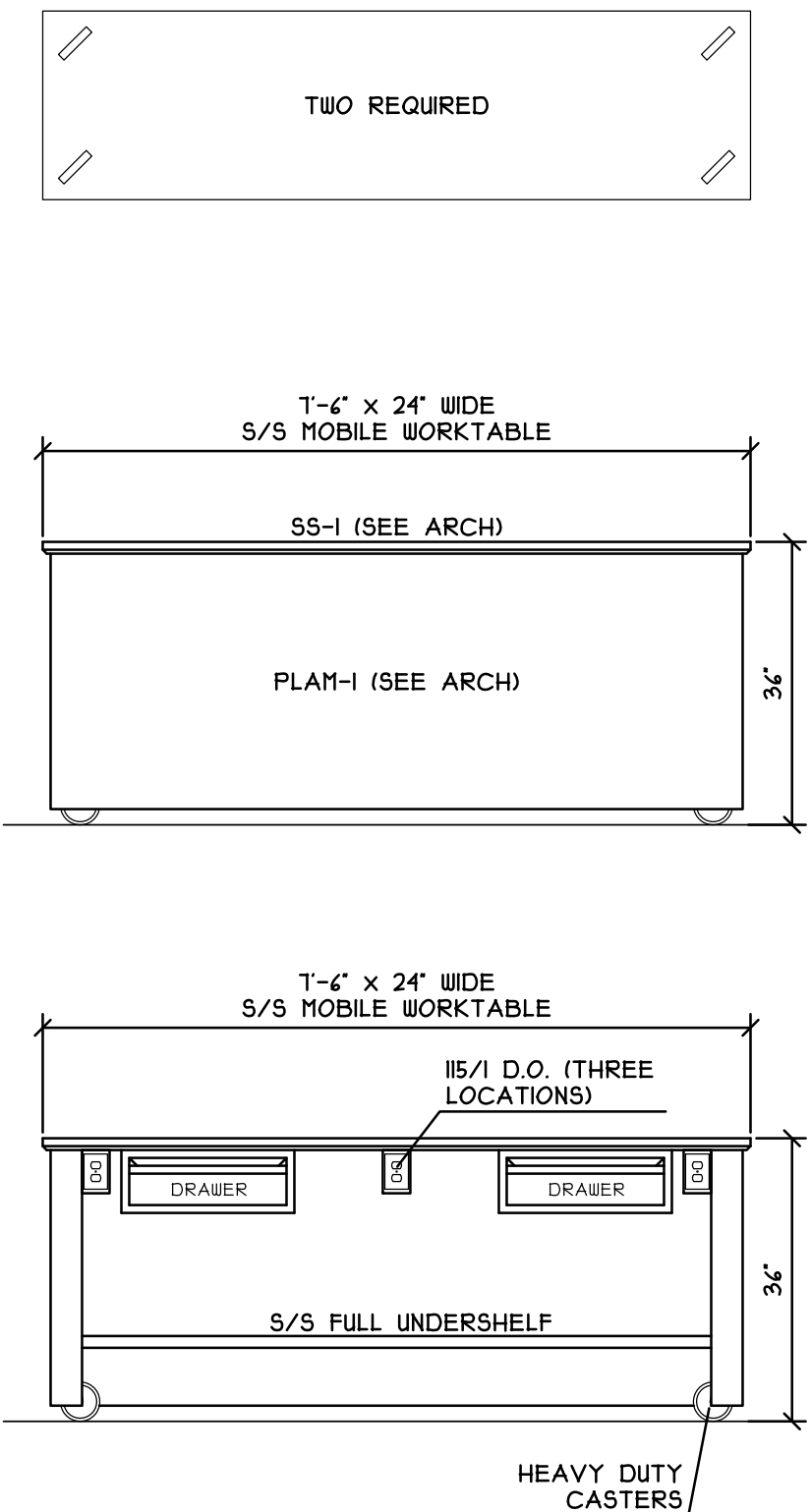
SEAL

ISSUED FOR:
BIDDING 10-28-13

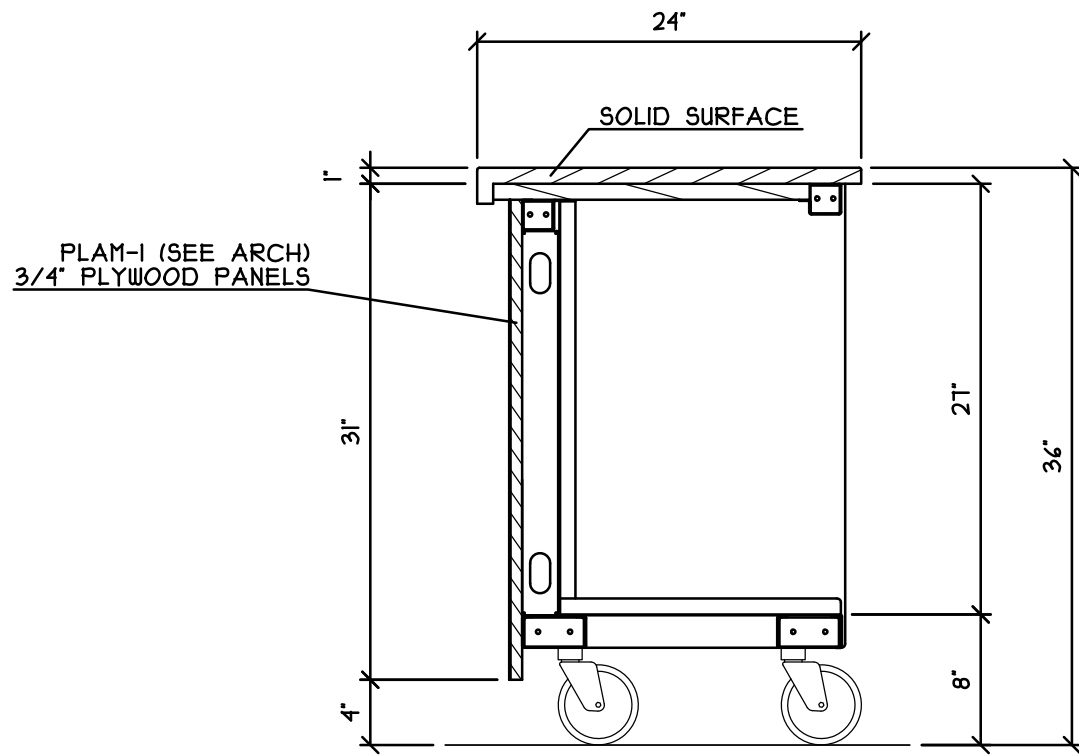
REVISION FOR:
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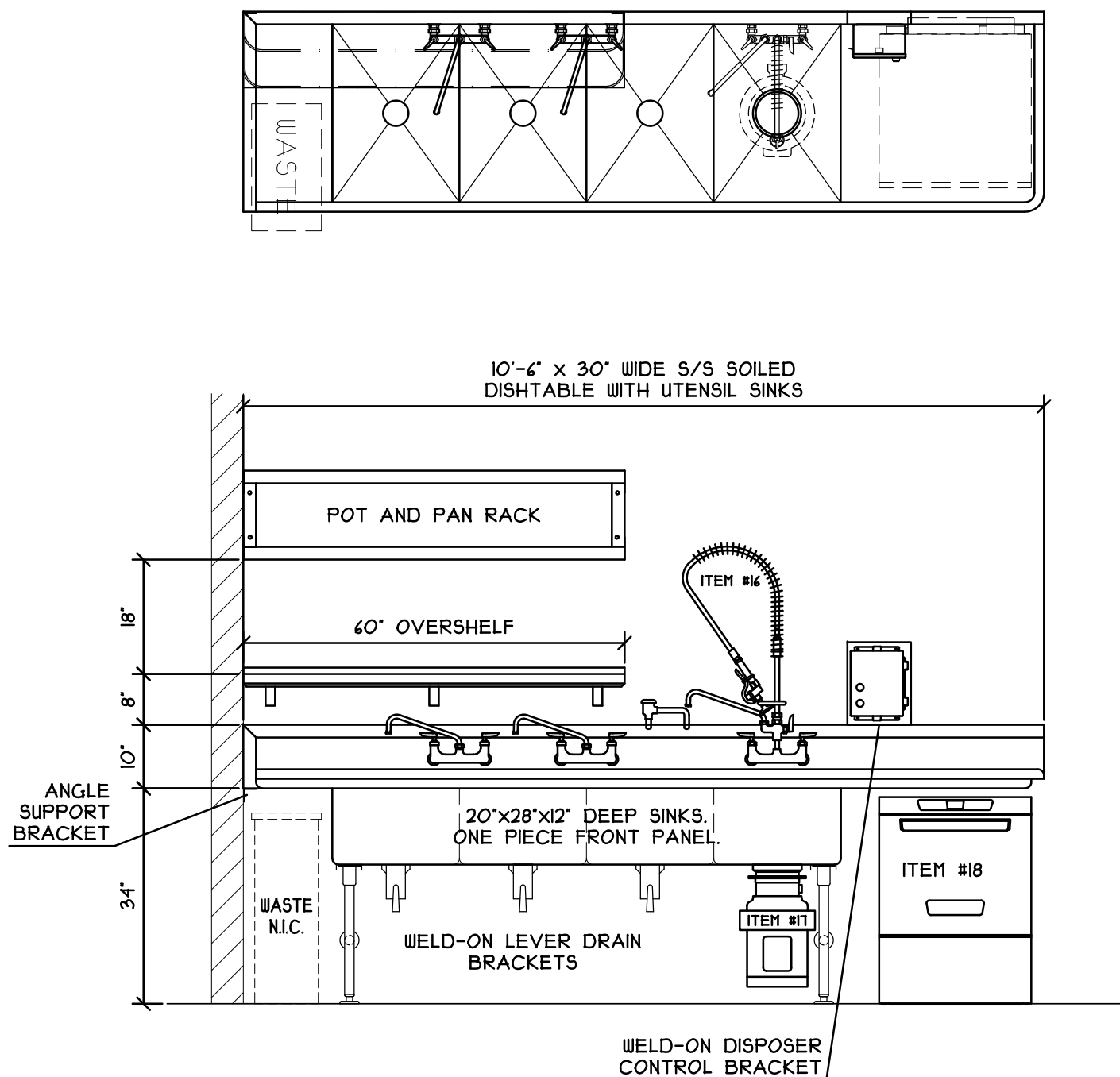
1 ELEVATION OF ITEM #2
K103 1/2" = 1'-0"



2 ELEVATION OF ITEM #8
K103 1/2" = 1'-0"



3 TYPICAL SECTION OF ITEM #8
K103 SCALE: 1" = 1'-0"



4 ELEVATION OF ITEM #15
K103 1/2" = 1'-0"

DRAWN BY RAD

CHECKED BY ROCK

FOODSERVICE
BUILDING WORKS
PLAN, ELEVATIONS,
AND DETAILS

K103

Meadowridge Branch Library
& Meadowood Neighborhood
Center

Madison, Wisconsin

Owner:
City of Madison
210 MLK Jr. Blvd
Madison, WI 53703-3342

PROJECT NUMBER 132273.00

SEAL

ISSUED FOR:
BIDDING 10-28-13

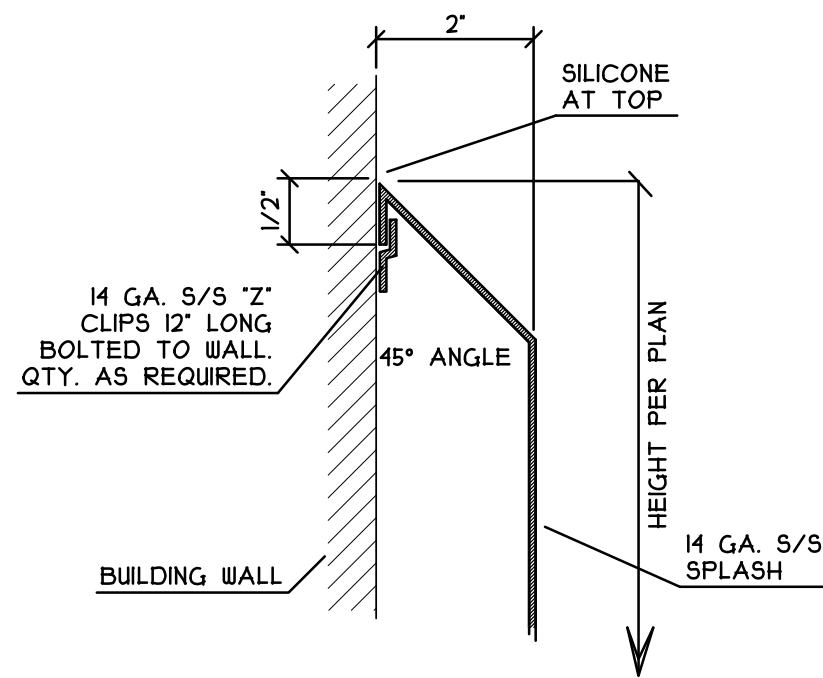
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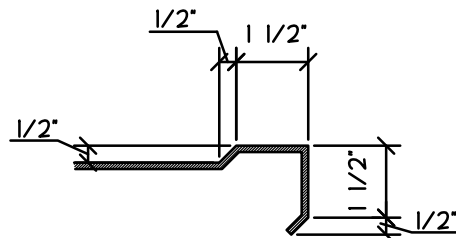
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FOODSERVICE
DETAILS

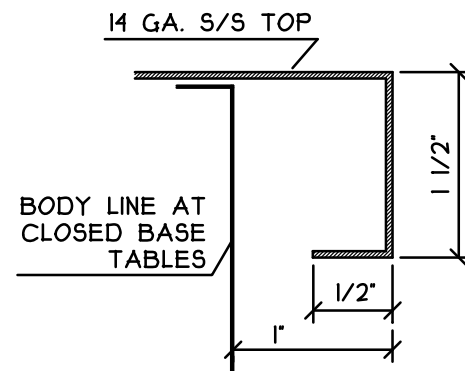
K104



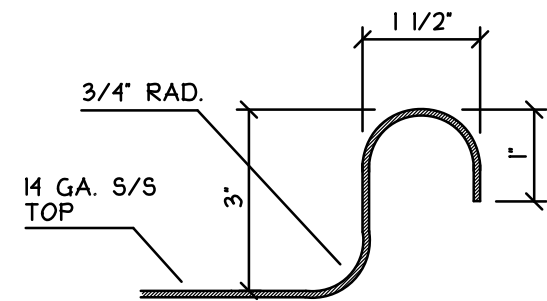
1
K104 ANGLED SPLASH DETAIL
NO SCALE



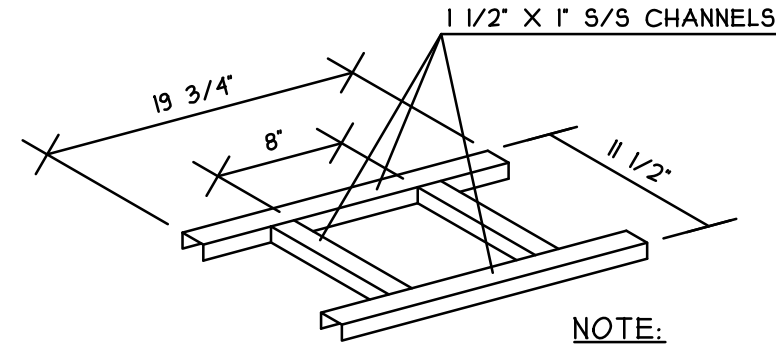
2
K104 RAISED CHANNEL EDGE DETAIL
NO SCALE



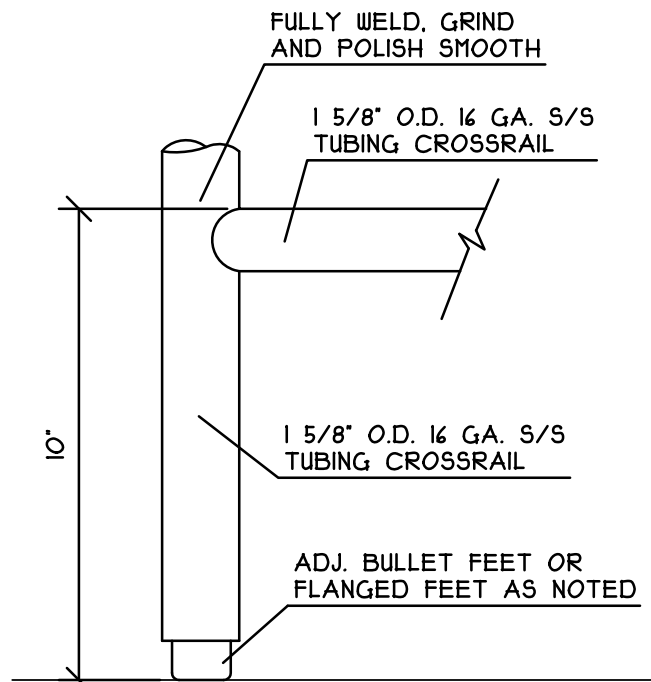
3
K104 SQUARE EDGE DETAIL
NO SCALE



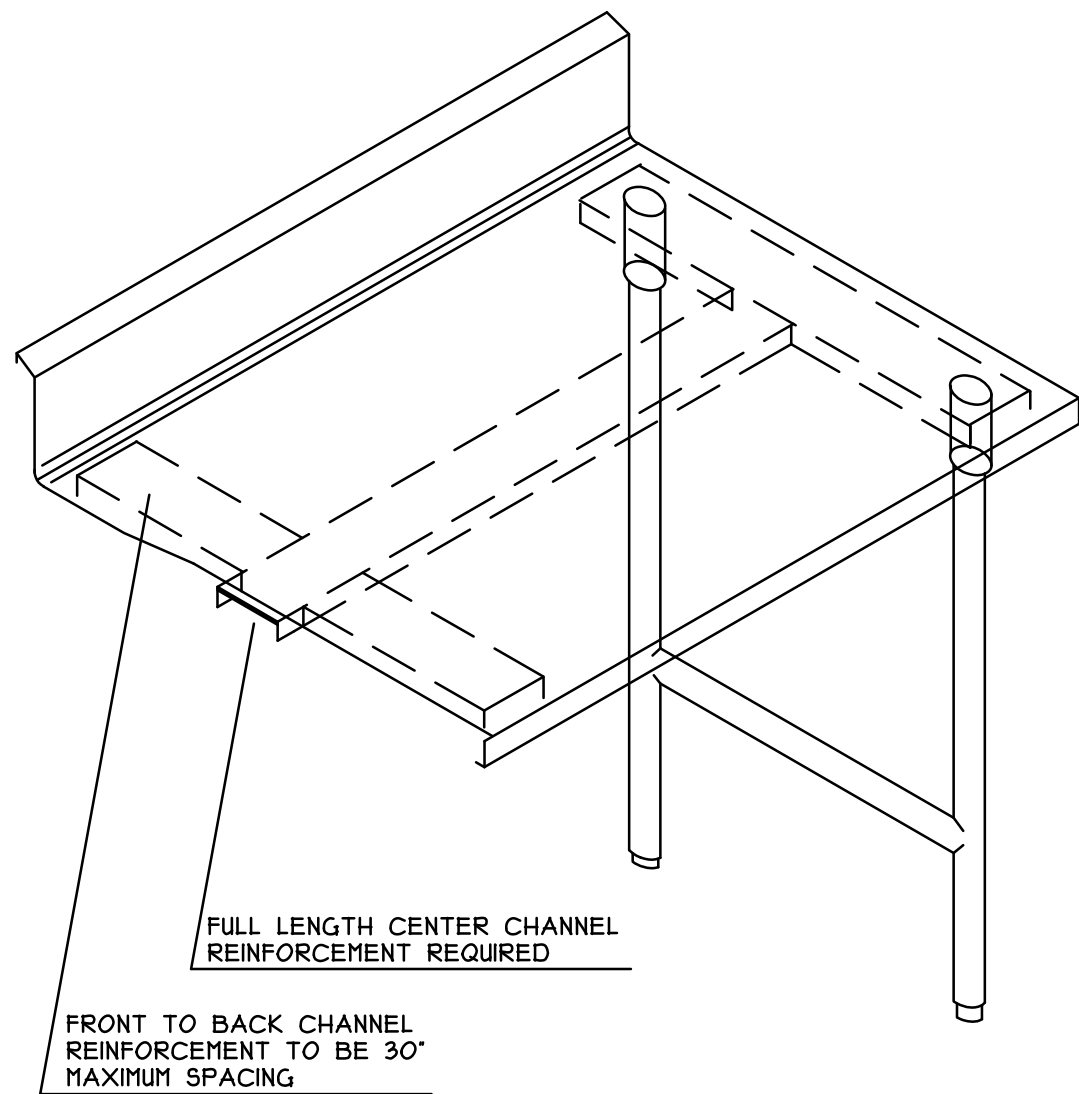
4
K104 ROLLED RIM DETAIL
NO SCALE



5
K104 RACK SLIDE DETAIL
NO SCALE



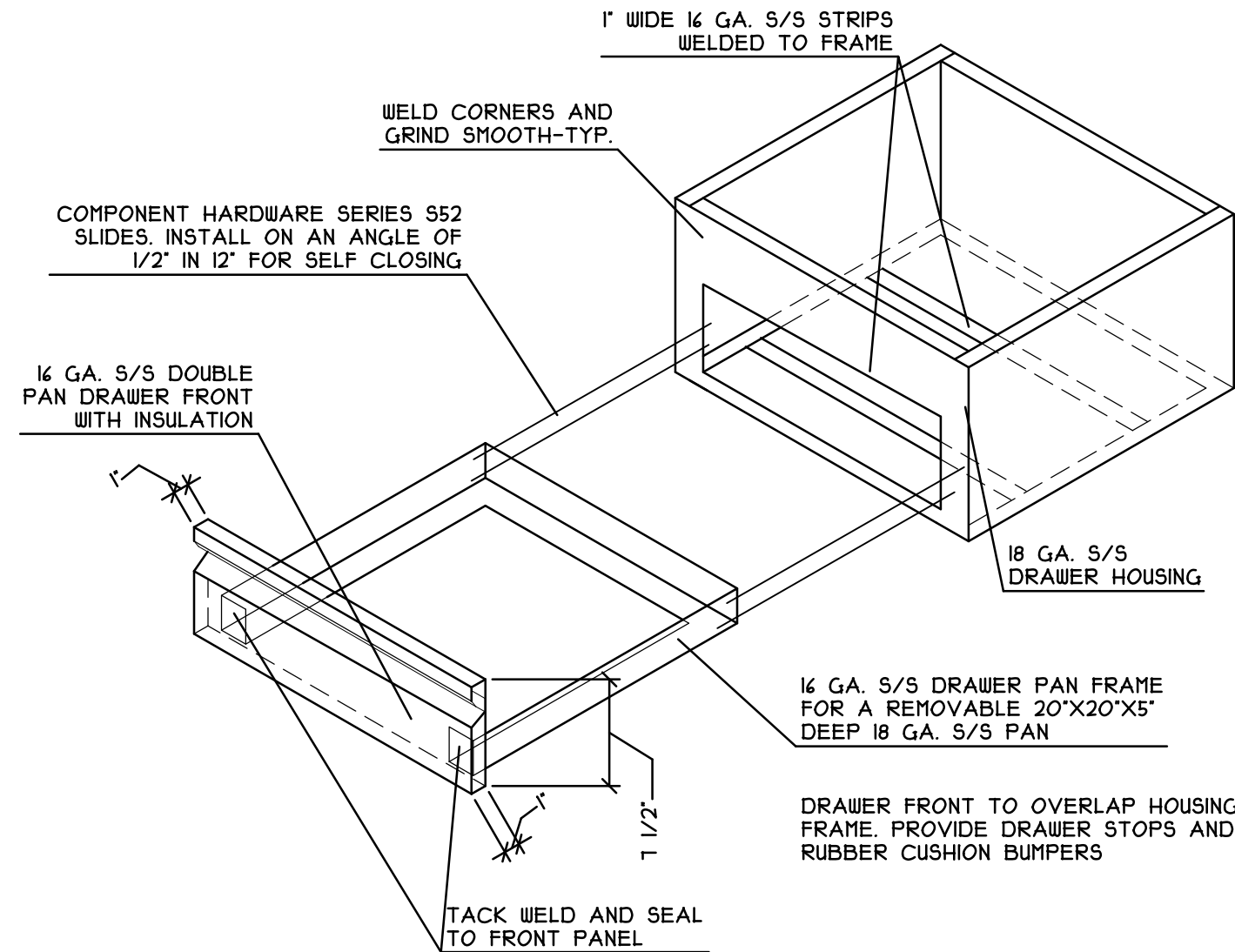
6
K104 LEG AND UNDERSHELF DETAIL
NO SCALE



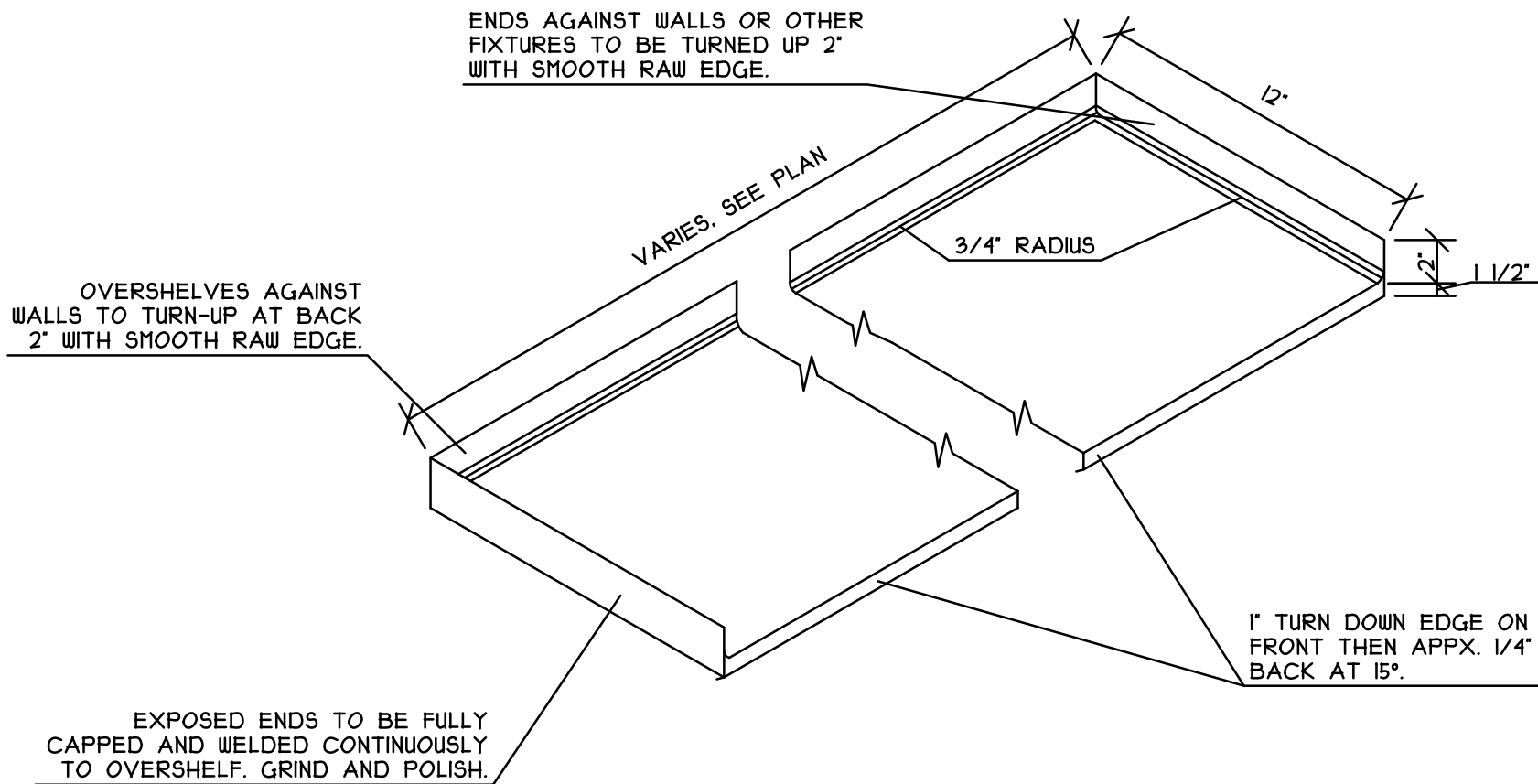
7
K104 ISOMETRIC VIEW OF TABLE REINFORCEMENT
NO SCALE

TYPICAL MATERIAL SCHEDULE

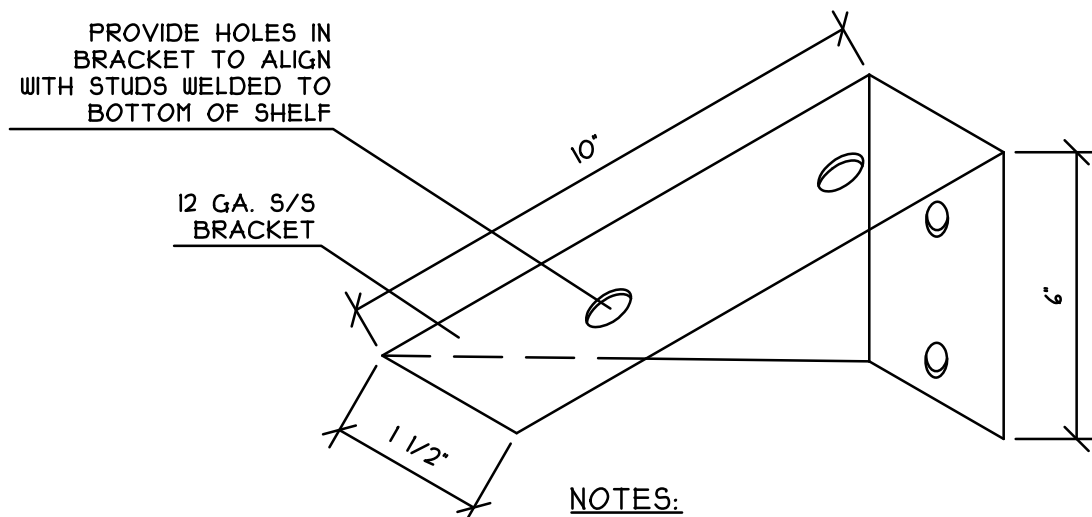
- 1) TOPS = 1/4 GA. S/S
- 2) UNDERSHELVES AND OVERSHELVES = 1/4 GA. S/S
- 3) LEGS & CROSSRAILS = 1 5/8" S/S 1/4 GA TUBING
- 4) REINFORCING = 1" X 4" 1/4 GA. GALVANIZED
- 5) LEG GUSSETS = COMPONENT HARDWARE #A18-0204
- 6) ADJUSTABLE BULLET FEET = COMPONENT HARDWARE #A10-0852
- 7) ADJUSTABLE FLANGED FEET = COMPONENT HARDWARE #A10-0854, BOLT TO FLOOR WITH S/S BOLTS WITH HEX HEADS.



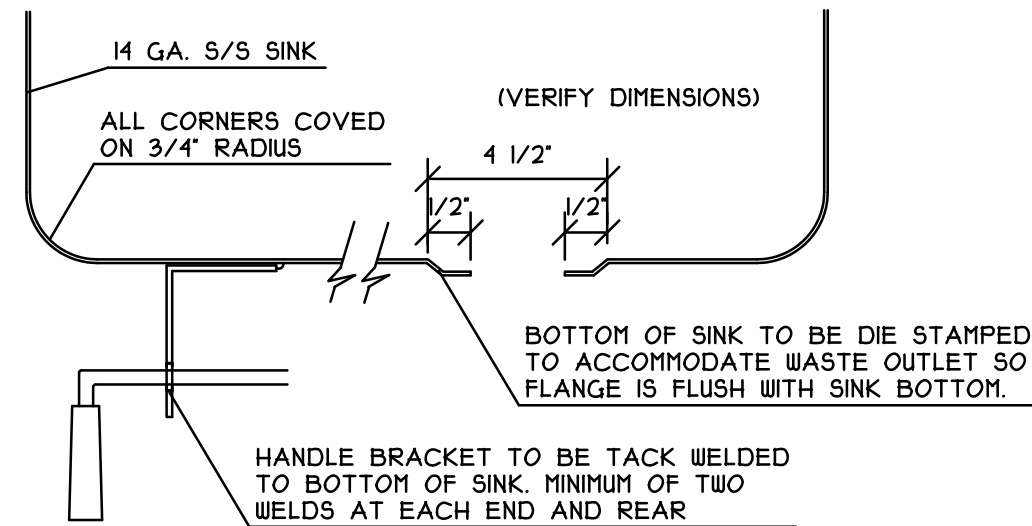
8
K104 DRAWER DETAIL
NO SCALE



9
K104 OVERSHELF DETAIL
NO SCALE



10
K104 OVERSHELF BRACKET DETAIL
NO SCALE



11
K104 TYPICAL SINK BOTTOM SECTION
NO SCALE