

Madison, Wisconsin

# CITY OF MADISON

## CITY ENGINEERING DIVISION

### DEPARTMENT OF PUBLIC WORKS

# PLAN OF PROPOSED IMPROVEMENT

## EAST-WEST BUS RAPID TRANSIT SET 10 OF 11

INDEX OF SHEETS

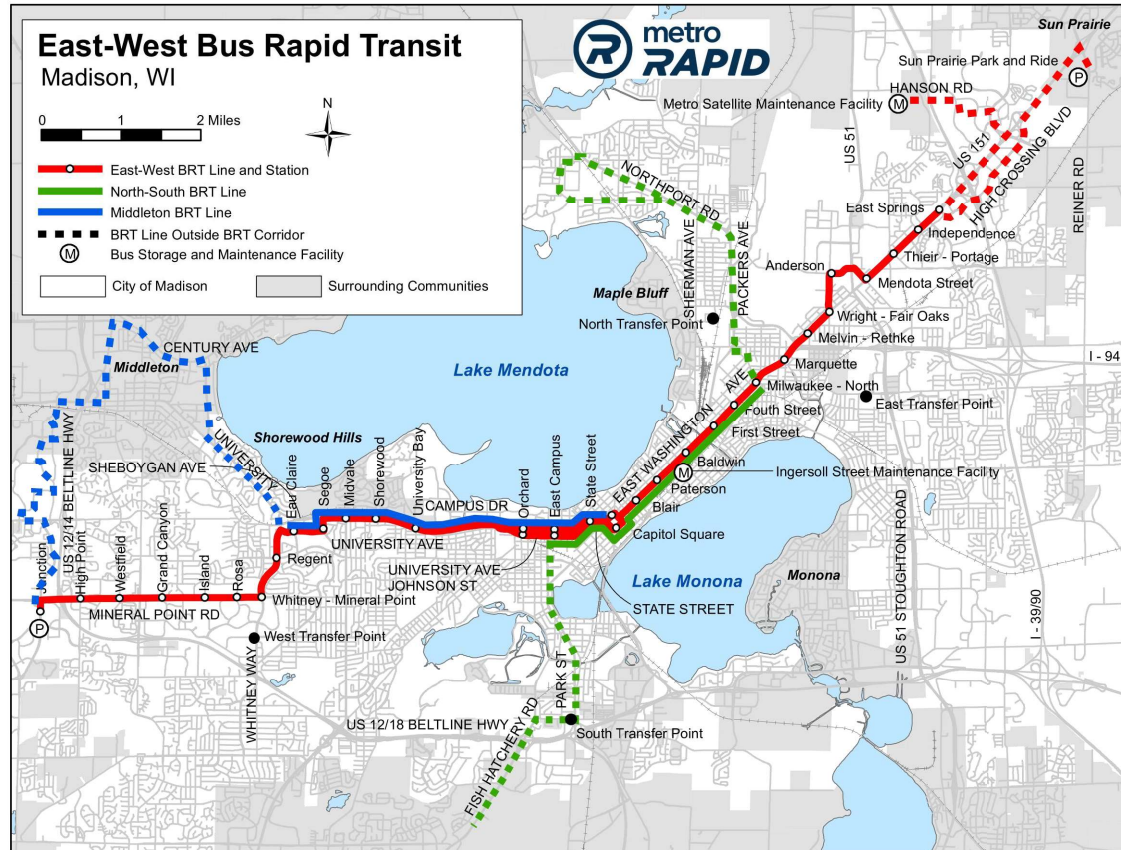
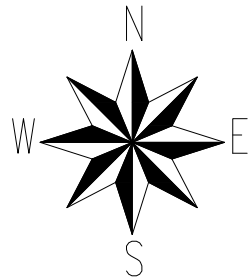
SEE TITLE SHEETS OF PLANS FOR SHEET NUMBERS

ARCHITECTURAL  
COMFORT STATIONS  
STRUCTURAL

CITY PROJECT NO. 13925

CONTRACT NO. 8716

FINAL PLANS  
OCTOBER 5, 2022



CONVENTIONAL SIGNS  
FIELD VERIFY ALL UTILITY LOCATIONS

|                    |         |
|--------------------|---------|
| COMBUSTIBLE FLUIDS |         |
| BURIED ELECTRIC    | — E —   |
| FIBER OPTIC        | — FO —  |
| GAS                | — G —   |
| OVERHEAD ELECTRIC  | — OH —  |
| POWER POLE         | □       |
| STORM SEWER        | — SS —  |
| SANITARY SEWER     | — SAN — |
| COMMUNICATIONS     | — TV —  |
| WATER              | — W —   |

ARCHITECTURAL  
DESIGNED BY: KEVIN DuSHANE



Oct 27, 2022

STRUCTURAL (RESTROOM, CANOPY,  
STATION PLATFORM AND CHARGER  
FOUNDATION)  
DESIGNED BY: DAVID ATKINS



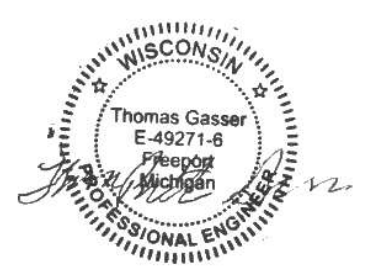
Oct 26, 2022

BUILDING MECHANICAL AND  
PLUMBING  
DESIGNED BY: RANDY STANGE



Oct 26, 2022

ELECTRICAL  
DESIGNED BY: TOM GASSER



Oct 26, 2022

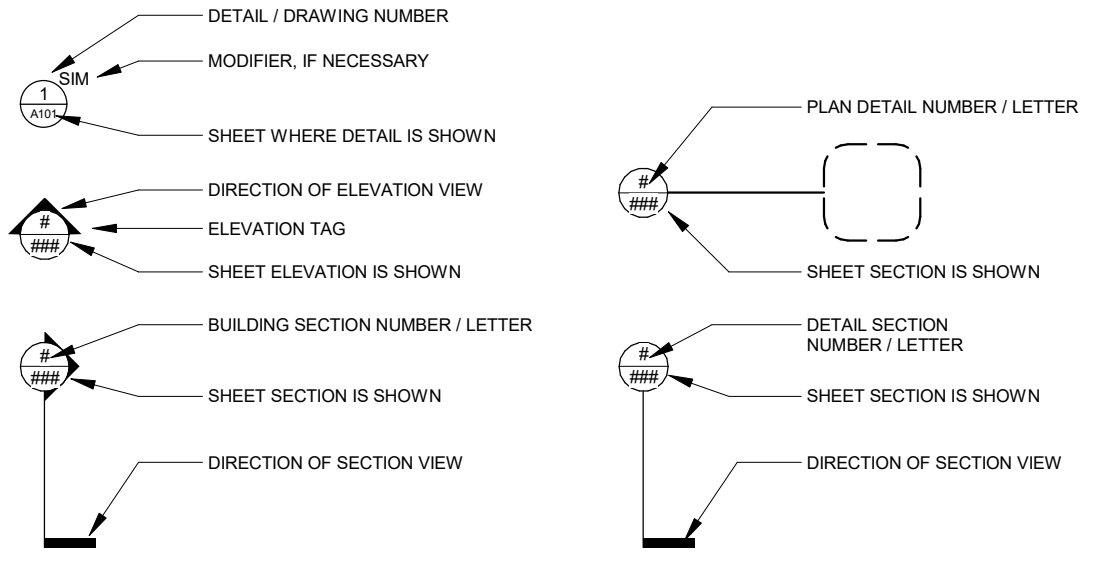
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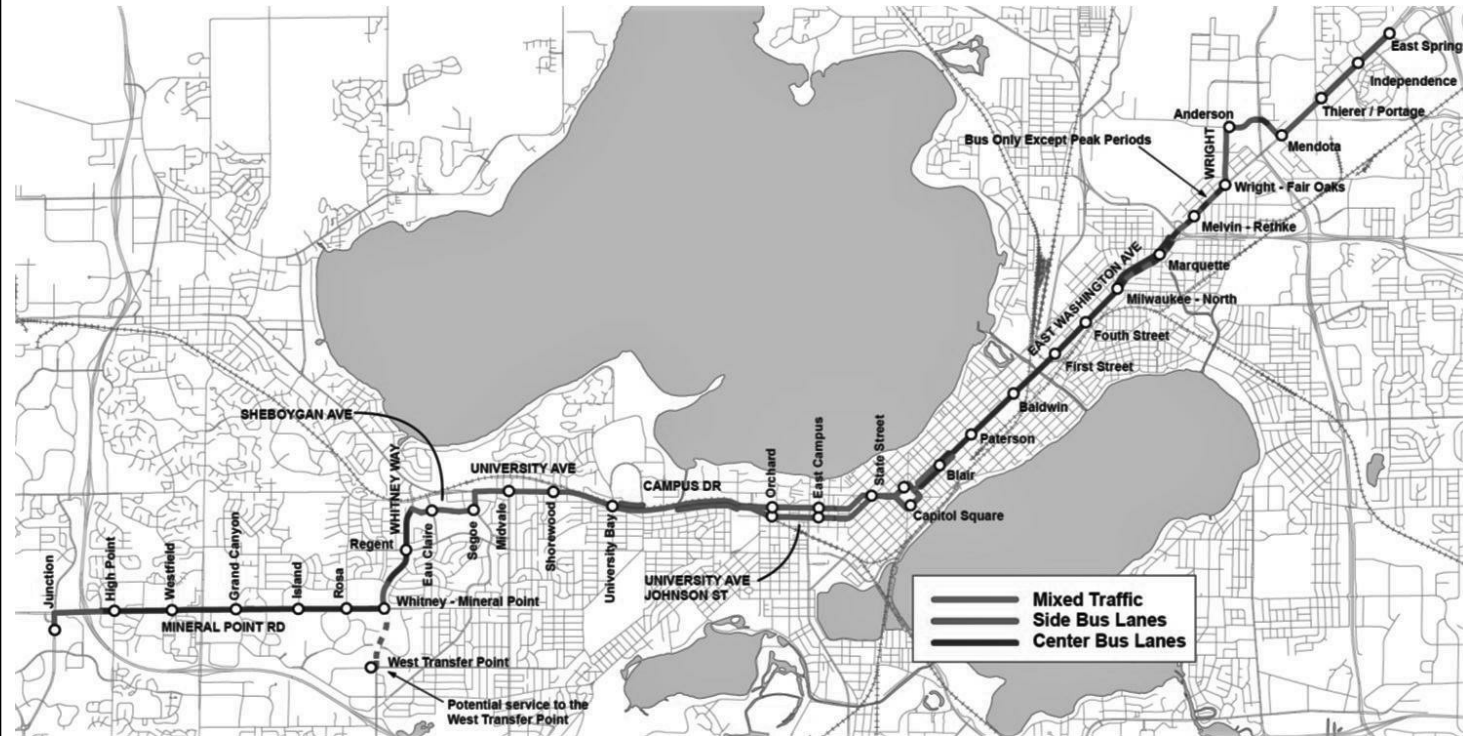
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ORIGINATOR: CITY\_OF\_MADISON

# ARCHITECTURE GRAPHIC SYMBOLS



# VICINITY MAP



PROJECT LOCATION

CITY, STATE

# ARCHITECTURAL ABBREVIATIONS

|  |  |   |  |   |   |
|--|--|---|--|---|---|
| <b>A:</b><br>AB ANCHOR BOLT<br>ABV ABOVE<br>AC ACOUSTICAL<br>ACC ACCESS<br>AD AREA DRAIN<br>ADD ADDENDUM<br>ADH ADHESIVE<br>ADJ ADJACENT<br>ADJT ADJUSTABLE<br>AESS ARCHITECTURAL EXPOSED STRUCTURAL STEEL<br>AFF ABOVE FINISHED FLOOR<br>AGG AGGREGATE<br>AL ALUMINUM<br>ALT ALTERNATE<br>AMP ACOUSTICAL METAL PANEL<br>AMR ACOUSTICAL METAL ROOF<br>ANR ANCHOR, ANCHORAGE<br>ANOD ANODIZED<br>AP ACCESS PANEL<br>APX APPROXIMATE<br><b>B:</b><br>BD BOARD<br>BEL BELOW<br>BET BETWEEN<br>BF BARRIER-FREE<br>BIT BITUMINOUS<br>BJT BED JOINT<br>BLK BLOCK (STANDARD WEIGHT)<br>BM BEAM, BENCHMARK<br>BOT BOTTOM<br>BP BEARING PLATE<br>BRG BEARING<br>BS BOTH SIDES<br>BT BENT<br>BULT BULLETIN<br>BUR BUILT-UP ROOF<br>BVL BEVELED<br>BW BOTH WAYS | <b>C:</b><br>CAB CABINET<br>CC CENTER TO CENTER<br>CEM CEMENT<br>CFL COUNTER-FLASHING<br>CH CEILING HEIGHT<br>CJ CONTROL JOINT<br>CK CAULK, CAULKING<br>CLG CEILING<br>CLR CLEAR, CLEARANCE<br>CLS CLOSURE<br>COL COLUMN<br>COMB COMBINATION<br>CONC CONCRETE<br>CONCT CONCRETE TOPPING<br>CONN CONNECTION<br>CORR CORRUGATED<br>CONST CONSTRUCTION<br>CONT CONTINUOUS<br>CONTR CONTRACTOR,<br>D DRAIN<br>DEP DEPRESSED<br>DIA DIAMETER<br>DIAG DIAGONAL<br>DM DIMENSION<br>DIV DIVISION<br>DK DECK<br>DL DEAD LOAD<br>DN DOWN<br>DP DAMPPROOFING<br>DS DOWNSPOUT<br>DSAGL DSA GLASS<br>DSBGL DSB GLASS<br>DT DRAIN TILE<br>DTL DETAIL<br>DWG DRAWING<br>DWL DOWEL | <b>E:</b><br>EA EACH<br>EB EXPANSION BOLT<br>EF EACH FACE<br>EJ EXPANSION JOINT<br>EL ELEVATION<br>ELEC ELECTRIC, ELECTRICAL<br>ENC ENCLOSE, ENCLOSURE<br>EP ELECTRICAL PANELBOARD<br>EQ EQUAL<br>EQP EQUIPMENT<br>EW EACH WAY<br>EXP EXPOSED<br>EXPN EXPANSION<br>FBO FURNISHED BY OTHERS<br>FDN FOUNDATION<br>FFE FINISH FLOOR ELEVATION<br>FFL FINISHED FLOOR LINE<br>FIN FINISH, FINISHED<br>FJT FLUSH JOINT<br>FLG FLASHING<br>FLX FLEXIBLE<br>FOF FACE OF FINISH<br>FOS FACE OF STUDS<br>FR FRAME, FRAMED,<br>FT FOOT, FEET<br>FTG FOOTING<br>G:<br>GA GAUGE<br>GD GRADE, GRADING<br>GKT GASKET, GASKETED<br>GL GLASS, GLAZING<br>GSS GALVANIZED STEEL SHEET<br>GV GALVANIZED<br>GVL GRAVEL | <b>H:</b><br>H HIGH<br>HES HIGH EARLY-STRENGTH<br>HM HOLLOW METAL<br>HORZ HORIZONTAL<br>HP HIGH POINT<br>HR HANDRAIL<br>HT HEIGHT<br>HTG HEATING<br><b>L:</b><br>L LENGTH<br>LC LIGHT CONTROL<br>LG LONG<br>LH LEFT HAND<br>LL LIVE LOAD<br>LMC LINEAR METAL CEILING<br>LPT LOW POINT<br><b>M:</b><br>M METER<br>MAS MASONRY<br>MAX MAXIMUM<br>MB MACHINE BOLT<br>MBR MEMBER<br>MET METAL<br>MEZZ MEZZANINE<br>MFR MANUFACTURER<br>MMB MEMBRANE<br>MRD METAL ROOF DECK<br>MT MOUNT, MOUNTED,<br>MTFR METAL FURRING<br>MTL MATERIAL<br>MULL MULLION<br>N:<br>NT NOM-NON-METALLIC<br>NOM NOMINAL<br>NS NEAR SIDE<br>NTS NOT TO SCALE | <b>O:</b><br>OA OVERALL<br>OC ON CENTER<br>OD OUTSIDE DIAMETER<br>OF OUTSIDE FACE<br>OP OPAQUE<br>OPG OPENING<br>OPH OPPOSITE HAND<br>OPP OPPOSITE<br>OPS OPPOSITE SURFACE<br>OWJ OPEN WEB JOIST<br><b>P:</b><br>PAR PARALLEL<br>PERF PERFORATE, PERFORATED<br>PERI PERIMETER<br>PF PORTAL FRAME<br>PFB PREFABRICATED<br>PFN PREFINISHED<br>PNL PANEL<br>PRF PREFORMED<br>PREFB PREFABRICATED<br>PSC PRESTRESSED CONCRETE<br>PSF POUNDS PER SQUARE<br>PSI POUNDS PER SQUARE<br>PTC POST-TENSIONED<br>PVMT PAVEMENT<br>RCP REINFORCED CONCRETE<br>RD ROOF DRAIN<br>RE REINFORCE, REINFORCED,<br>REF REFERENCE<br>REINF REINFORCE<br>REM REMOVE, REMOVABLE<br>REQ REQUIRED<br>REV REVISED, REVISION<br>RFG ROOFING<br>RH RIGHT HAND<br>RL RAIL, RAILING<br>RO ROUGH OPENING<br>ROW RIGHT OF WAY | <b>S:</b><br>SCH SCHEDULE<br>SCN SCREEN<br>SD STORM DRAIN<br>SEC SPECIAL EQUIPMENT<br>SG SHEET GLASS<br>SHO SHORE, SHORED, SHORING<br>SHT SHEET<br>SHTH SHEATHING<br>SIM SIMILAR<br>SKL SKYLIGHT<br>SL SLEEVE<br>SLR SEALER<br>SLT SLATE<br>SNT SEALANT<br>SPEC SPECIFICATION<br>SPK SPEAKER<br>SPL SPECIAL<br>SQ SQUARE<br>SS STAINLESS STEEL<br>STA STATION<br>STD STANDARD<br>STG SEATING<br>STL STEEL<br>STO STORAGE<br>STR STRAIGHT<br>STRUCT STRUCTURAL<br>SWM SURFACE APPLIED<br>SYM SYMMETRICAL, SYMMETRY<br><b>T:</b><br>T TOP<br>TC TOP CHORD<br>THK THICK, THICKNESS<br>TOC TOP OF CONCRETE<br>TOF TOP OF FOOTING<br>TOJ TOP OF JOIST<br>TOL TOLERANCE<br>TOM TOP OF MASONRY<br>TOP TOP OF PIER<br>TSL TOP OF SLAB<br>TST TOP OF STEEL<br>TYP TYPICAL<br>T&B TOP AND BOTTOM<br><b>V:</b><br>V VERTICAL<br>VA VARIES<br>VIF VERIFY IN FIELD<br><b>W:</b><br>W WIDTH, WIDE<br>W/ WITH<br>WIN WINDOW<br>WO WITHOUT<br>WP WATERPROOF,<br>WPT WORKING POINT<br>WR WATER REPELLENT |
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60631225P

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

ARCHITECTURAL COVER SHEET

BUS RAPID TRANSIT  
CITY OF MADISON



60631225P

G000

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60631225P  
 CITY OF MADISON, DANE COUNTY, WI  
 CONTRACT NO: 60631225C

ARCHITECTURAL DRAWING INDEX  
 BUS RAPID TRANSIT  
 CITY OF MADISON



60631225P

G001

# GENERAL NOTES - PROJECT

- A. THE CONSTRUCTION DRAWINGS ILLUSTRATE THE DESIGN INTENT OF THE WORK. THEY INDICATE LOCATION, DIMENSIONS AND TYPICAL DETAILS. THE ARCHITECTURAL DRAWINGS ARE PART OF A LARGER SET OF DRAWINGS WHICH, WHEN COMPLETE, CONSIST OF ALL DRAWINGS LISTED BY THE INDEX OF DRAWINGS AND THE PROJECT SPECIFICATIONS. CONSEQUENTLY, THE WORK DESCRIBED BY THE DRAWINGS OF ANY ONE DISCIPLINE MAY AFFECT THE WORK DESCRIBED ON THE DRAWINGS OF ANOTHER DISCIPLINE, AND MAY REQUIRE REFERENCE TO THE DRAWINGS OF ANOTHER DISCIPLINE. THEREFORE, PARTIAL SETS OF DRAWINGS ARE INCOMPLETE AND SHALL NOT BE DISTRIBUTED OR UTILIZED BY ANYONE.
- B. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF ALL APPLICABLE STATE AND/OR LOCAL CODES, LAWS, AMENDMENTS, ORDINANCES, INCLUDING ALL CODES LISTED IN THE APPLICABLE CODES SECTION.
- C. DO NOT SCALE DRAWINGS.
- D. FIELD VERIFY ALL DIMENSIONS PRIOR TO START OF WORK.
- E. CONTACT THE ARCHITECT FOR DETERMINING A REQUIRED DIMENSION THAT CANNOT BE OBTAINED BASED ON DRAWING INFORMATION, BEFORE PROCEEDING WITH THE WORK.
- F. WHERE DISCREPANCIES OCCUR BETWEEN FLOOR PLANS, DETAILS, AND LARGE SCALE PLANS, OR WHERE DISCREPANCIES OCCUR BETWEEN ARCHITECTURAL DRAWINGS AND ENGINEERING DRAWINGS, CONTACT THE ARCHITECT FOR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.
- G. NOT ALL CODED NOTES FOR A PARTICULAR SERIES APPEAR OR ARE USED ON EACH SHEET WITHIN THE SERIES - TYPICAL.
- H. EXPANSION JOINTS ARE TYPICALLY LOCATED AT DOUBLE COLUMNS AS SHOWN. REFER TO THE STRUCTURAL DRAWINGS FOR MORE INFORMATION ABOUT EXPANSION JOINTS AND LATERAL BRACING.
- I. THE CONTRACTOR SHALL INSTALL OWNER FURNISHED EQUIPMENT IDENTIFIED AS "OFCI" IN THE EQUIPMENT SCHEDULES.
- J. THE OWNER IS INSTALLING OWNER FURNISHED EQUIPMENT IDENTIFIED AS "OFOI" IN THE EQUIPMENT SCHEDULES.
- K. THE CONTRACTOR SHALL FURNISH AND INSTALL EQUIPMENT IDENTIFIED AS "CFCI" IN THE EQUIPMENT SCHEDULES.
- L. REFERENCE THE DRAWING SERIES LEGEND FOR INFORMATION CONTAINED IN EACH ARCHITECTURAL DRAWING SERIES.
- M. THE RELATIVE DESIGN REFERENCE ELEVATION OF +0'-0", AS INDICATED ON THE DRAWINGS, CORRESPONDS TO THE FINISH FLOOR ELEVATION OF THE FLOOR IN QUESTION.

# GENERAL NOTES - FLOOR PLANS

- A. REFER TO THE PROJECT GENERAL NOTES FOR GENERAL PROJECT REQUIREMENTS.
- B. CONTRACTOR SHALL VERIFY OWNER PREFERENCE OF WOOD BLOCKING OR METAL STRAPPING FOR EACH UNIQUE ITEM (EQUIPMENT, FIXTURE, ETC.) THAT WILL BE WALL-MOUNTED. WHERE PERMITTED BY THE OWNER, ANY WOOD BLOCKING SHALL BE FIRE RETARDANT TREATED. CONTRACTOR SHALL PROVIDE ALL BLOCKING AS REQUIRED TO SUPPORT WALL MOUNTED ACCESSORIES, INCLUDING BUT NOT LIMITED TO DOOR STOPS, CABINETS, AND SHELVING.
- C. DIMENSIONS FOR INTERIOR PARTITION AND EXTERIOR WALL LAYOUT ARE TO FINISHED FACE OF WALL, UNLESS OTHERWISE NOTED.
- D. NEW PARTITIONS OR INFILL WITHIN AN EXISTING PARTITION SHALL MATCH THE EXISTING PARTITION TYPE, ASSEMBLY, AND TOTAL THICKNESS.
- E. PROVIDE NEW EXPANSION JOINT ASSEMBLIES WHERE INDICATED. AT ALL EXISTING EXPANSION JOINT LOCATIONS (INCLUDING FLOORS, WALLS, AND CEILINGS), CLEAN, REPAIR, AND PAINT AS NOTED.
- F. PROVIDE HOUSEKEEPING PADS BENEATH MECHANICAL AND PLUMBING EQUIPMENT IN MECHANICAL ROOMS.
- G. DOOR OPENINGS SHALL BE 4" FROM A PERPENDICULAR PARTITION TO OUTSIDE FACE OF FRAME, UNLESS OTHERWISE NOTED. REFER TO THE DOOR SCHEDULE FOR ADDITIONAL INFORMATION.
- H. ALL EXISTING WALLS TO REMAIN ARE SHOWN GREY / SHADED.
- I. ALL SIGNAGE SHALL BE PROVIDED BY OWNER UNDER SEPARATE CONTRACT. SIGNAGE INFORMATION SHOWN FOR REFERENCE ONLY.

# GENERAL NOTES - ROOF PLANS

- A. TYPICAL ROOF SYSTEM, R-1, SHALL BE AS FOLLOWS: XXXXX.
- B. ROOF SPOT ELEVATIONS, WHERE NOTED, ARE APPROXIMATE AND RELATIVE TO THE ROOF DATUM.
- C. DETAILS SHOWN ARE TYPICAL CONDITIONS AT VARYING LOCATIONS WITHIN THE PROJECT. MODIFICATIONS TO THESE DETAILS NECESSARY FOR ROOF SYSTEM MANUFACTURER'S WARRANTED ASSEMBLY SHALL TAKE PRECEDENCE. USE OF ALTERNATE DETAILS DUE TO THE PRECEDING STATEMENT SHALL NOT BE THE BASIS FOR ADDITIONAL COMPENSATION.
- D. PROVIDE TAPERED ROOF INSULATION AT CRICKET LOCATIONS FOR POSITIVE DRAINAGE TOWARD ROOF DRAINS AND POSITIVE DRAINAGE AROUND ROOFTOP EQUIPMENT.
- E. THE ROOFTOP WALKWAY PAD LAYOUT IS APPROXIMATE. ADJUST LOCATIONS DURING CONSTRUCTION AS REQUIRED TO ACHIEVE DESIGN INTENT AND TO COORDINATE WITH INSTALLED LOCATIONS OF ALL ROOFTOP EQUIPMENT, PENETRATIONS, DRAINS, AND DRAINAGE PATTERNS.
- F. ALL EXPOSED METAL FLASHING AND COUNTERFLASHING, EXPANSION JOINTS, GUTTERS, DOWNSPOUTS, SCUPPERS, AND ASSOCIATED ACCESSORIES, SHALL BE PREFINISHED METAL AS SPECIFIED. COLOR(S) SHALL BE AS SELECTED BY ARCHITECT.
- G. PROVIDE THE ROOF SYSTEM MANUFACTURER'S RECOMMENDED PREFABRICATED BOOTS, ACCESSORIES, CLAMPS AND RELATED MATERIALS AT ALL PENETRATIONS THROUGH THE ROOF (INCLUDING STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL). REFER TO DISCIPLINE SPECIFIC SHEETS FOR SIZES AND QUANTITIES OF PENETRATIONS. VERIFY EXACT LOCATION IN FIELD. PROPERLY FLASH ALL SUCH PENETRATIONS TO ACHIEVE A WATER-TIGHT INSTALLATION.
- H. AT ALL VENT PENETRATIONS THROUGH THE ROOF, OFFSET THE VENT BELOW THE ROOF A MINIMUM OF 18" FROM ANY OTHER ROOFTOP EQUIPMENT OR EXPANSION JOINT. COORDINATE ROUTING IN FIELD WITH PLUMBING CONTRACTOR.
- I. ALL ROOFTOP EQUIPMENT REQUIRING SERVICE SHALL BE LOCATED MORE THAN 10 FEET FROM ROOF EDGES.

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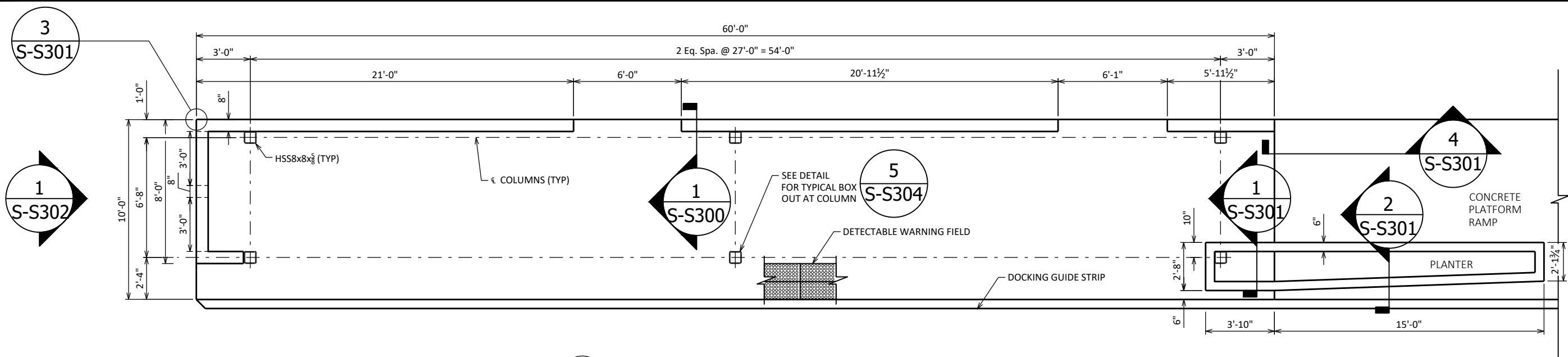
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 CITY OF MADISON, DANE COUNTY, WI  
 CONTRACT NO: 60631225C  
 GENERAL NOTES  
 BUS RAPID TRANSIT  
 CITY OF MADISON



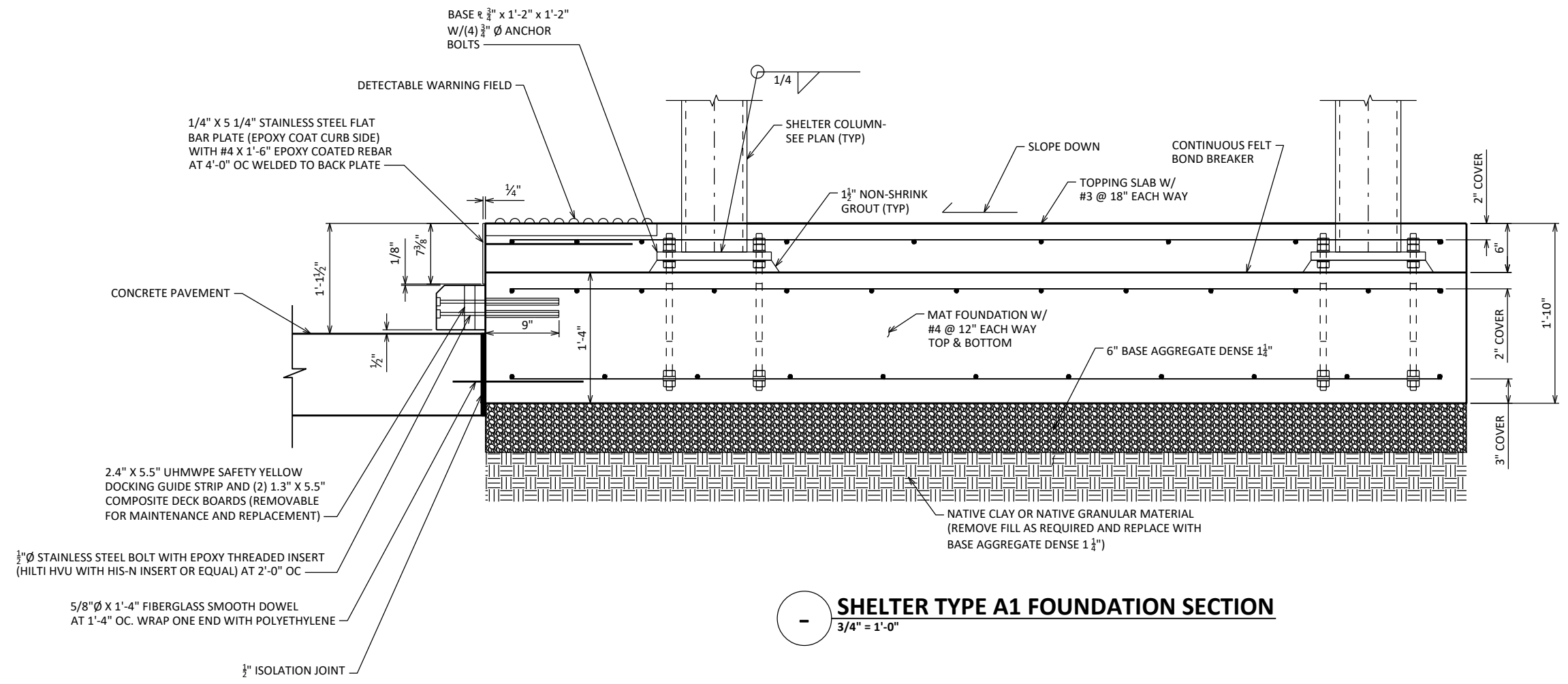
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G003





**SHELTER TYPE A1 FOUNDATION PLAN**  
1" = 6'-0"



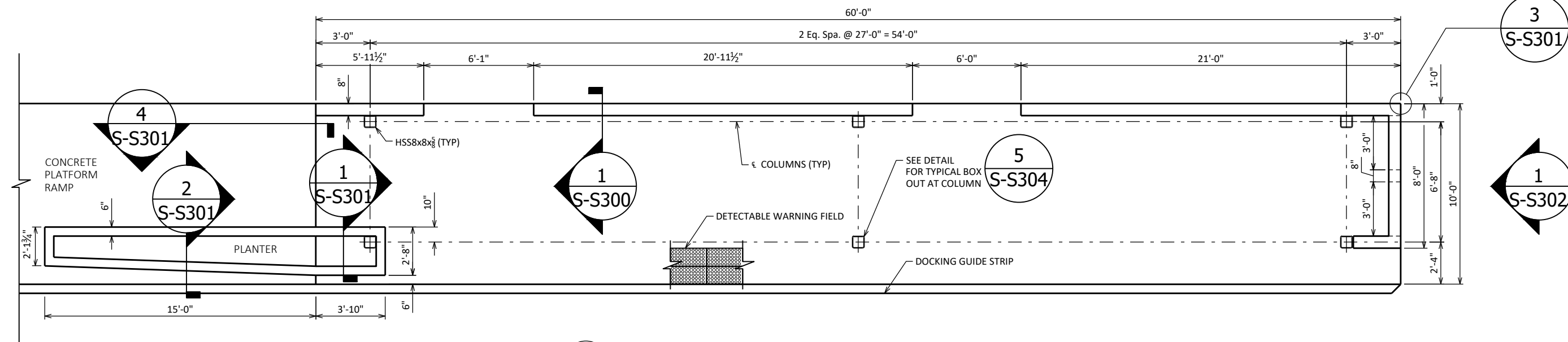
**SHELTER TYPE A1 FOUNDATION SECTION**  
3/4" = 1'-0"

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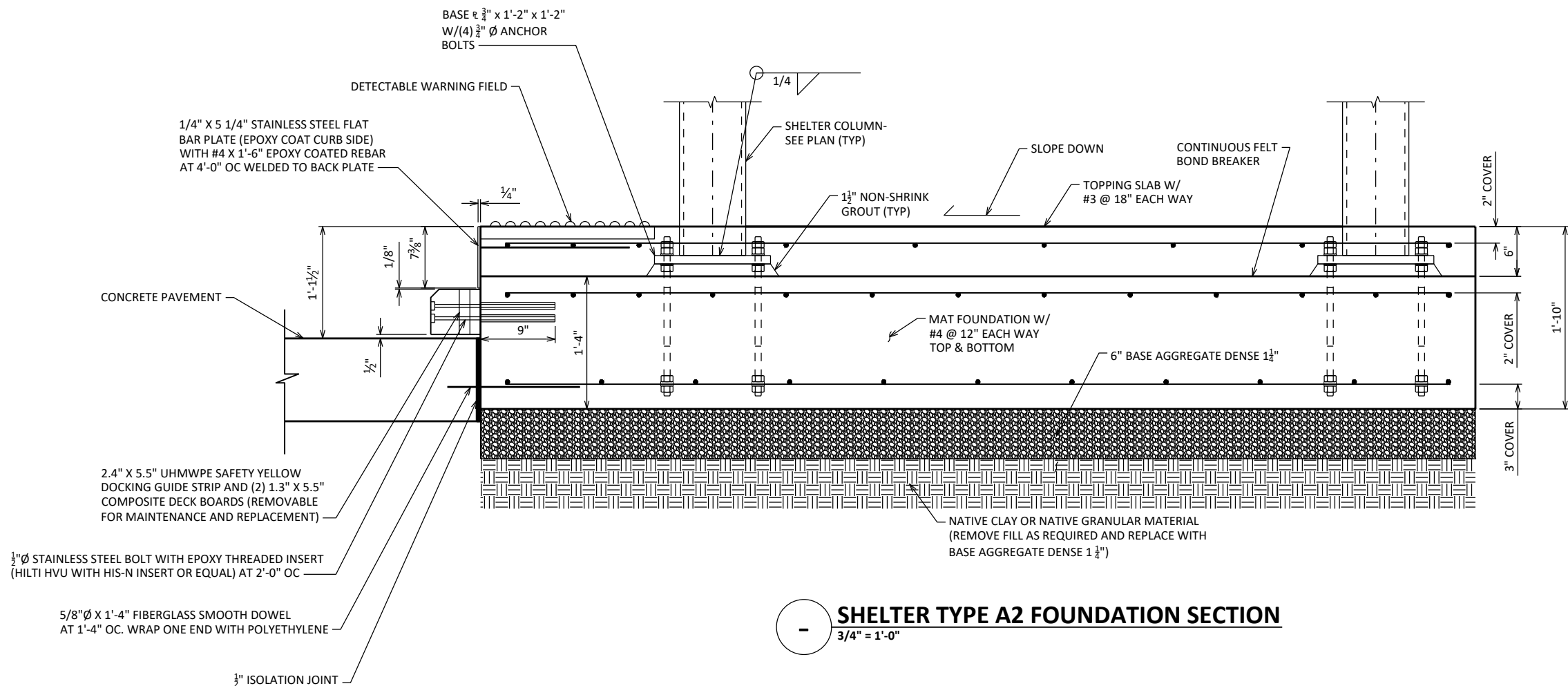
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CITY OF MADISON, DANE COUNTY, WI  
CONTRACT NO: 60631225C  
BUS RAPID TRANSIT  
CITY OF MADISON



60631225P  
S-S100



**SHELTER TYPE A2 FOUNDATION PLAN**  
 1" = 6'-0"



**SHELTER TYPE A2 FOUNDATION SECTION**  
 3/4" = 1'-0"

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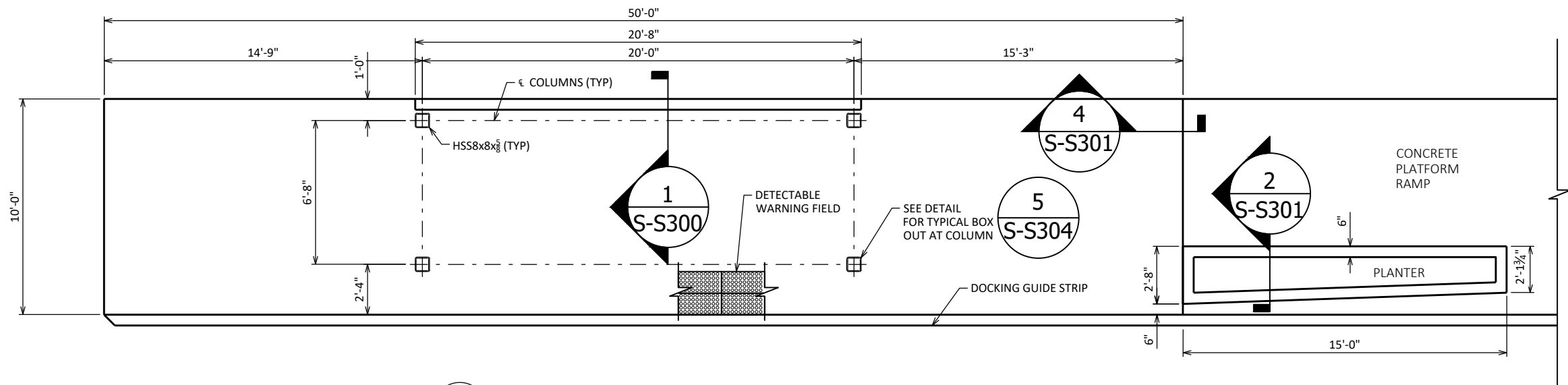
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 CITY OF MADISON, DANE COUNTY, WI  
 CONTRACT NO: 60631225C

BUS RAPID TRANSIT  
**CITY OF MADISON**

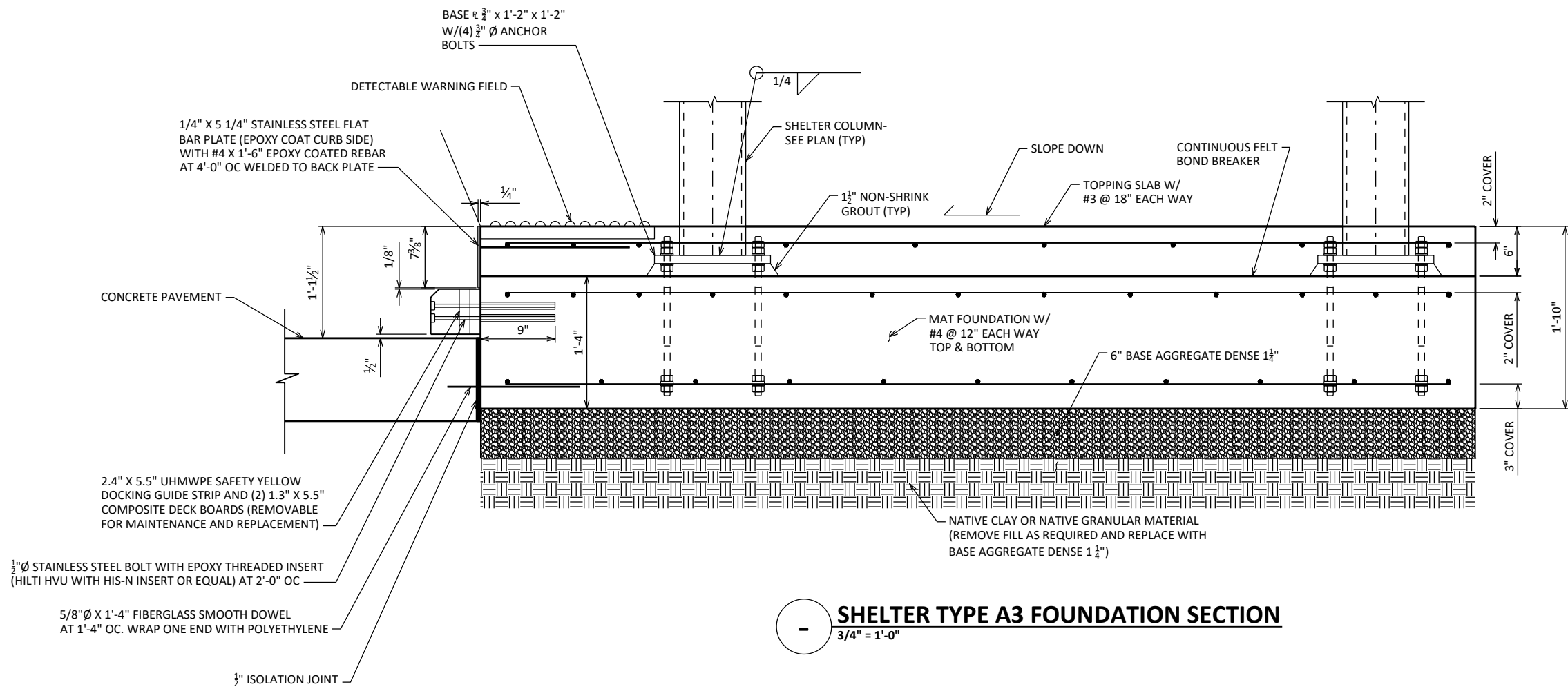


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 S-S101





**SHELTER TYPE A3 FOUNDATION PLAN**  
1" = 6'-0"



**SHELTER TYPE A3 FOUNDATION SECTION**  
3/4" = 1'-0"

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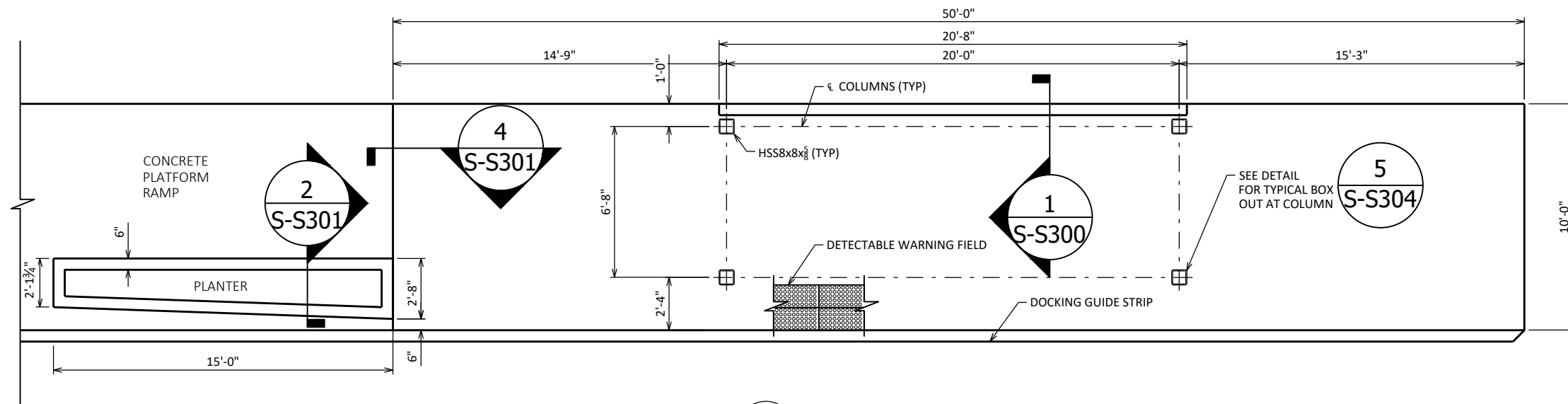
60631225P  
CITY OF MADISON, DANE COUNTY, WI  
CONTRACT NO: 60631225C

BUS RAPID TRANSIT  
CITY OF MADISON

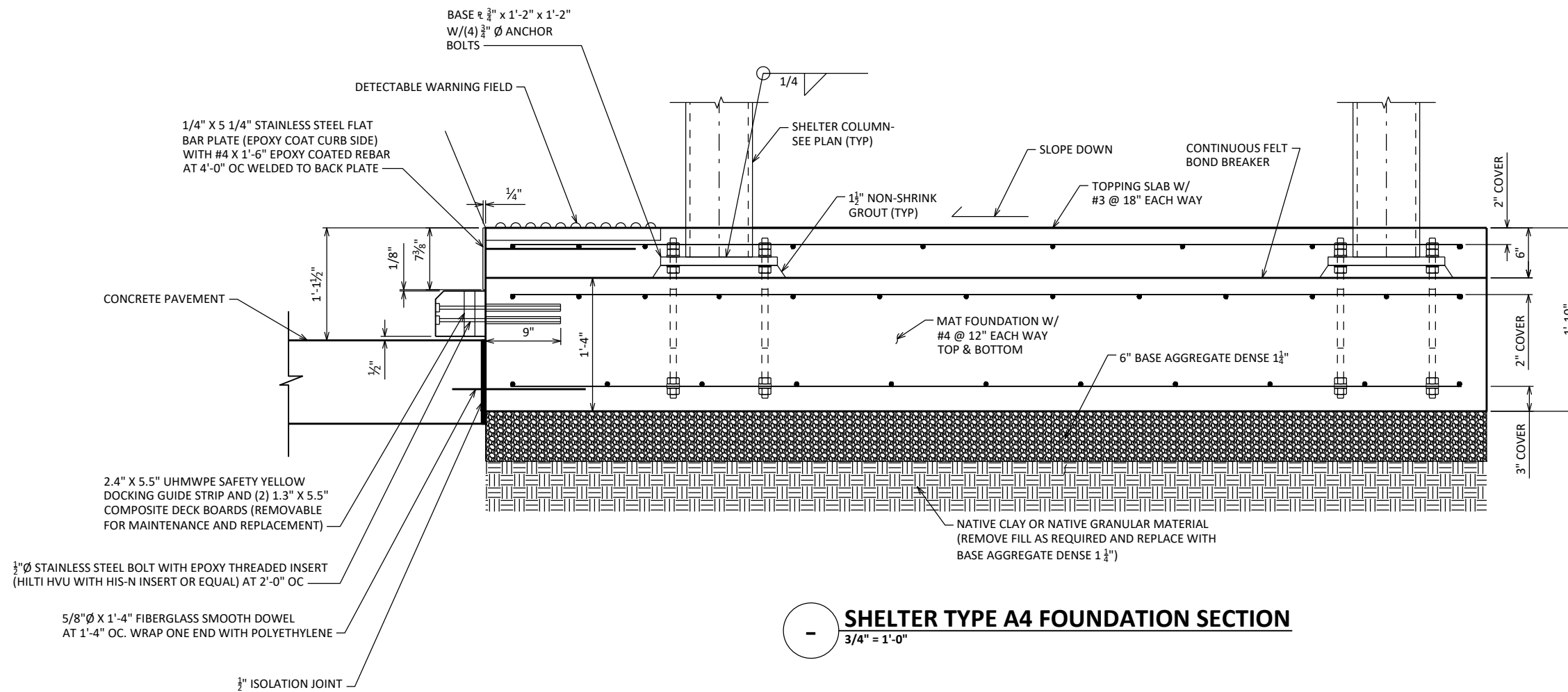


60631225P

S-S102



**SHELTER TYPE A4 FOUNDATION PLAN**  
 1" = 6'-0"



**SHELTER TYPE A4 FOUNDATION SECTION**  
 3/4" = 1'-0"

| REVISION | DATE | BY |
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60631225P  
 CITY OF MADISON, DANE COUNTY, WI  
 CONTRACT NO: 60631225C

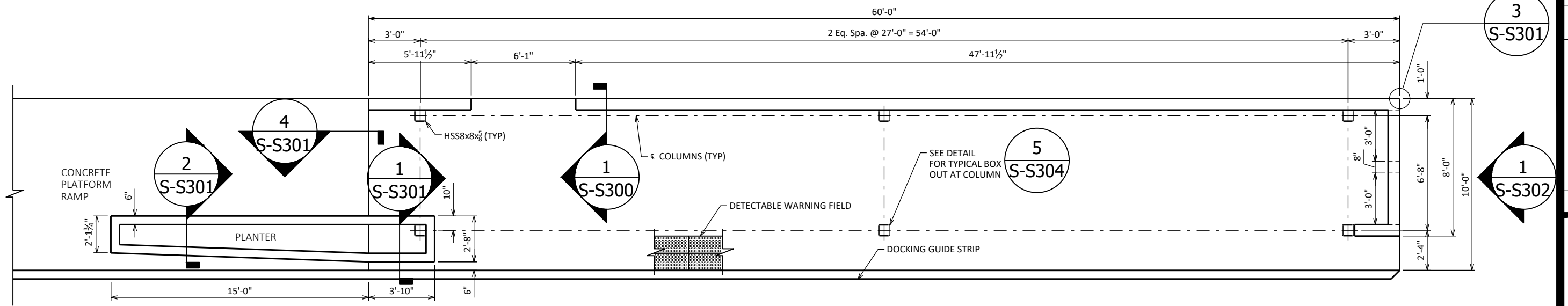
BUS RAPID TRANSIT  
**CITY OF MADISON**



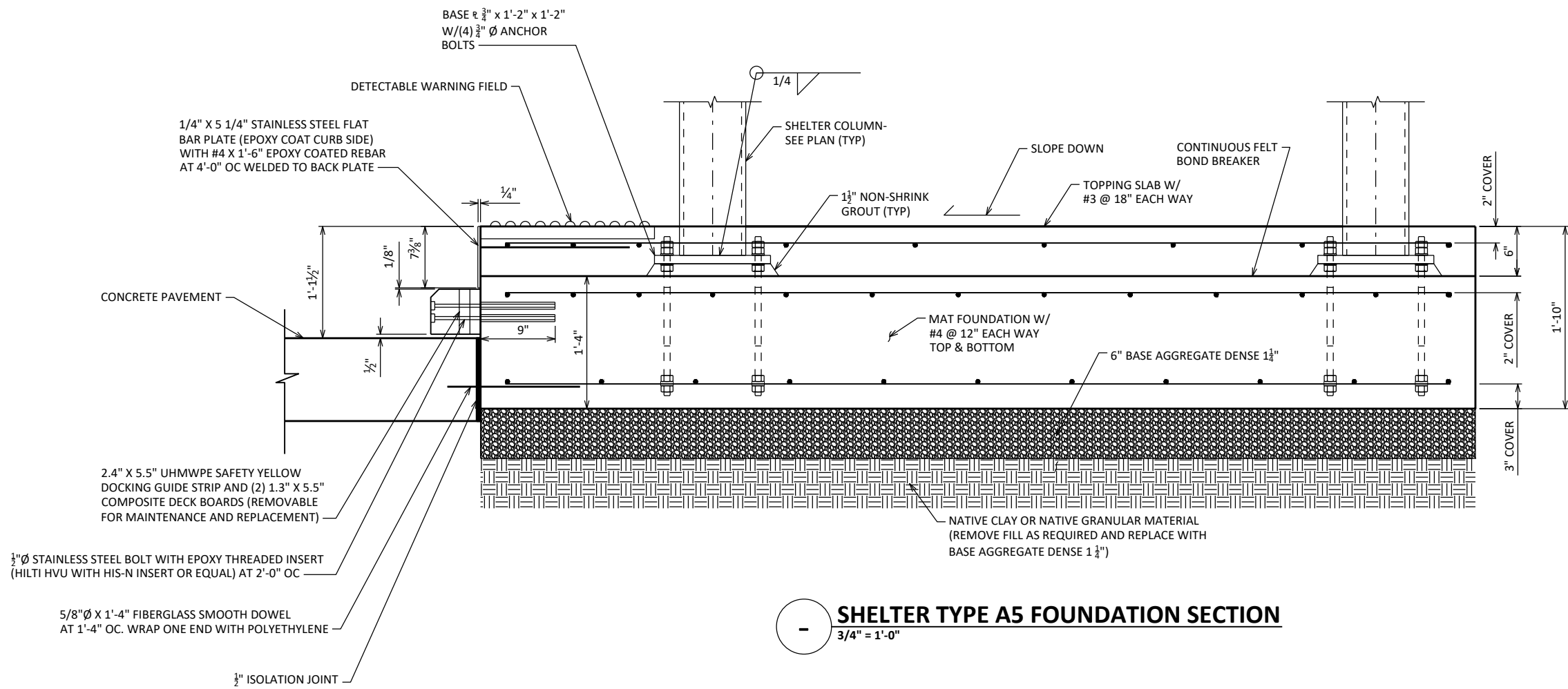
60631225P

S-S103





**SHELTER TYPE A5 FOUNDATION PLAN**  
 1" = 6'-0"



**SHELTER TYPE A5 FOUNDATION SECTION**  
 3/4" = 1'-0"

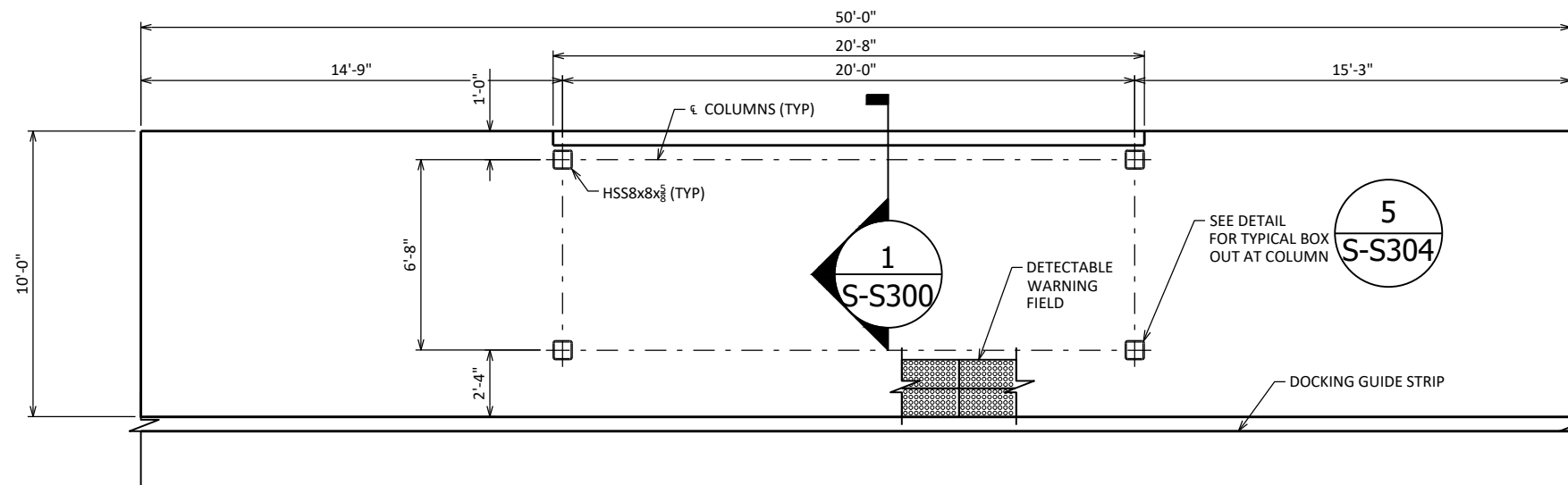
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| DATE     | BY        |
| REVISION |           |
| MARK     | 60631225P |

60631225P  
 CITY OF MADISON, DANE COUNTY, WI  
 CONTRACT NO: 60631225C

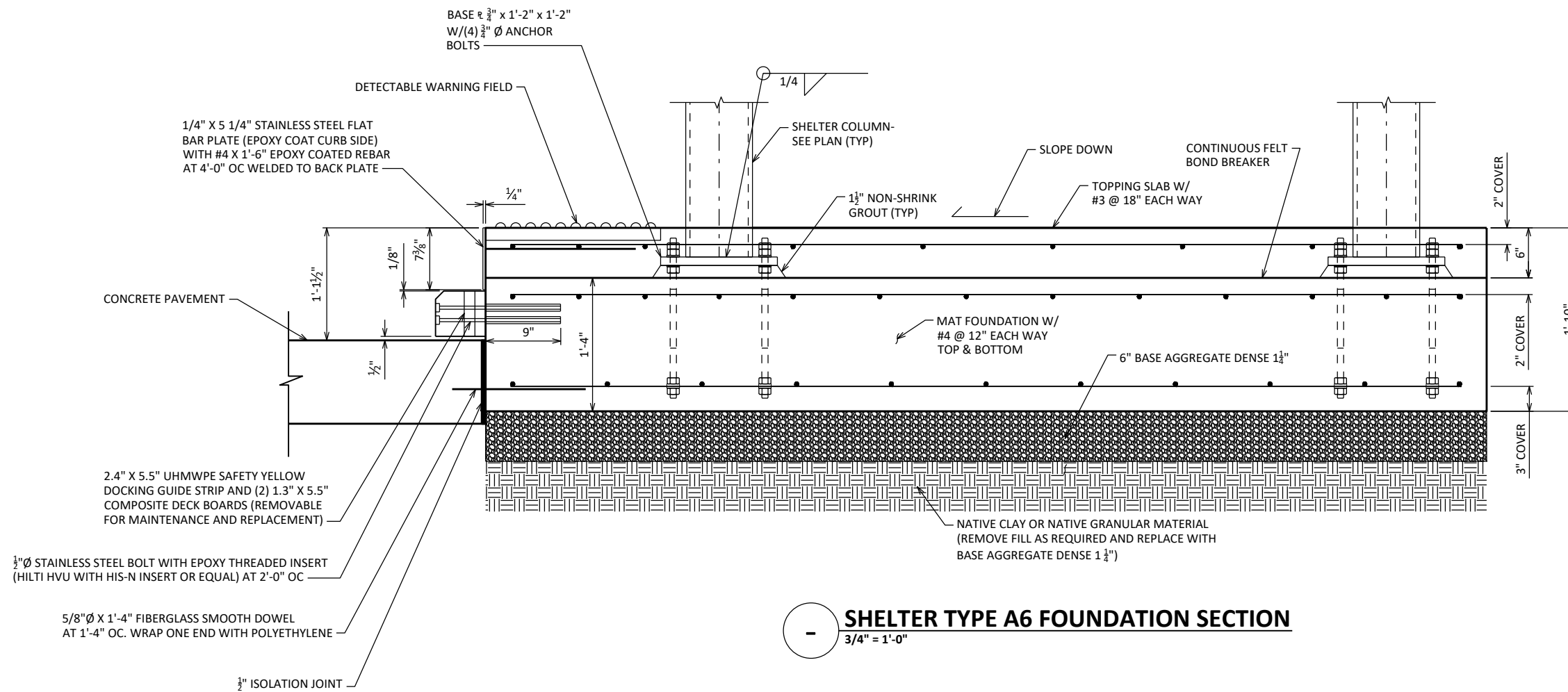
BUS RAPID TRANSIT  
**CITY OF MADISON**

60631225P  
 S-S104



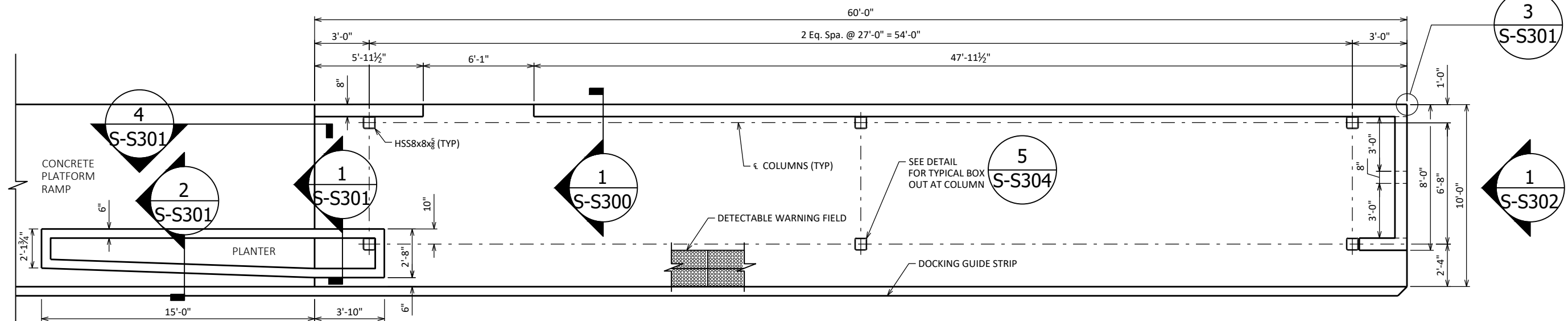


**SHELTER TYPE A6 FOUNDATION PLAN**  
 1" = 6'-0"

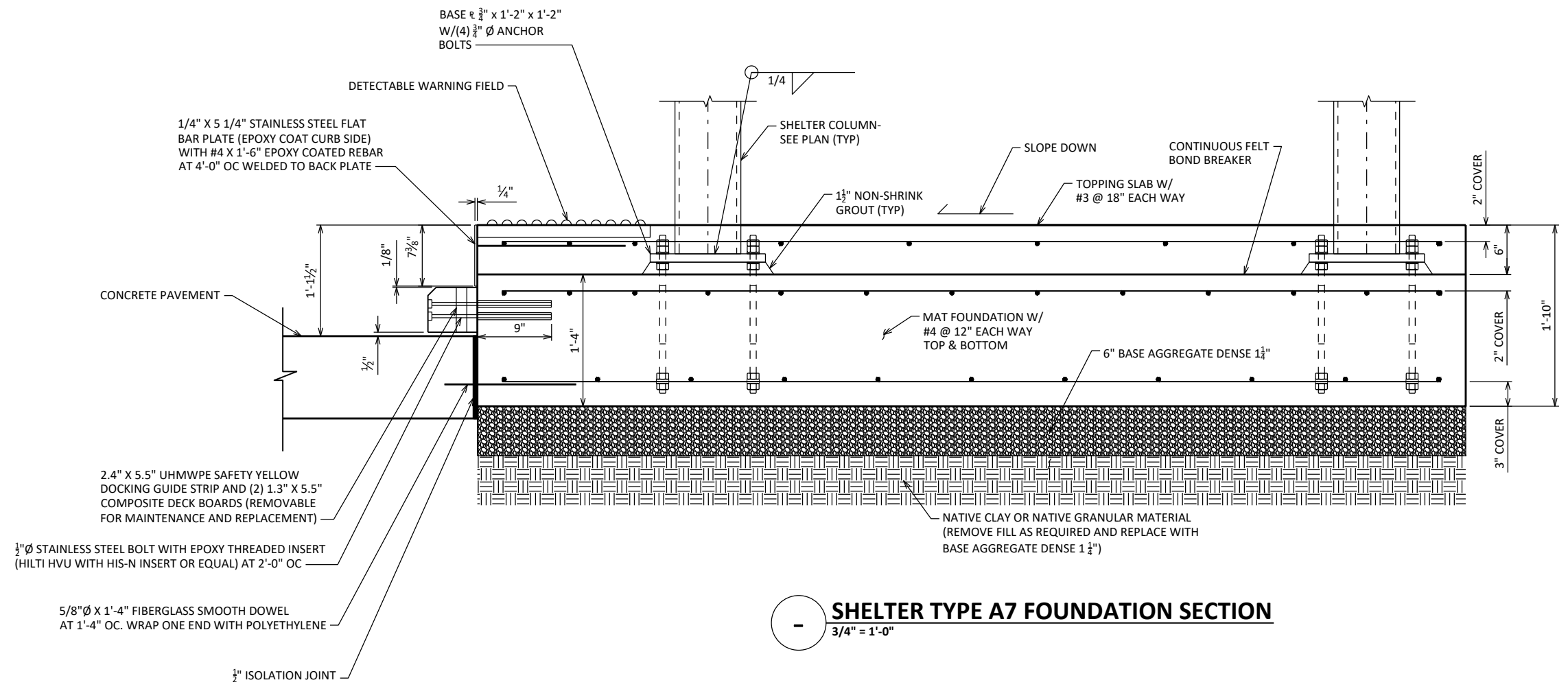


**SHELTER TYPE A6 FOUNDATION SECTION**  
 3/4" = 1'-0"

|                                  |          |      |    |
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| 60631225P                        | REVISION | DATE | BY |
| 60631225P                        | MARK     |      |    |
| CITY OF MADISON, DANE COUNTY, WI |          |      |    |
| BUS RAPID TRANSIT                |          |      |    |
| CITY OF MADISON                  |          |      |    |
| CONTRACT NO: 60631225C           |          |      |    |
|                                  |          |      |    |
| 60631225P                        |          |      |    |
| S-S105                           |          |      |    |



**SHelter Type A7 Foundation Plan**  
 1" = 6'-0"



**SHelter Type A7 Foundation Section**  
 3/4" = 1'-0"

| DATE     | BY |
|----------|----|
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| REVISION |    |
|          |    |
| MARK     |    |
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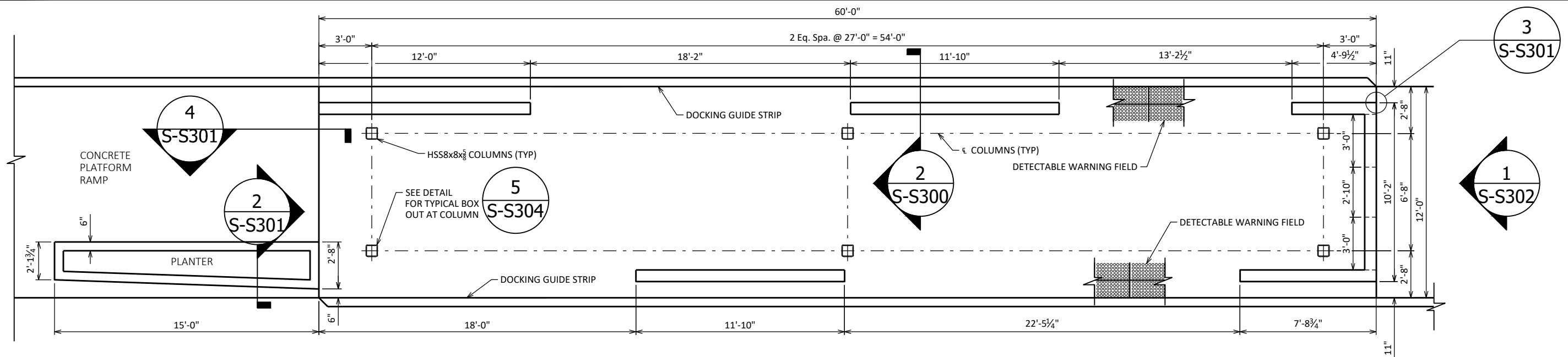
60631225P  
 CITY OF MADISON, DANE COUNTY, WI  
 CONTRACT NO: 60631225C

BUS RAPID TRANSIT  
**CITY OF MADISON**

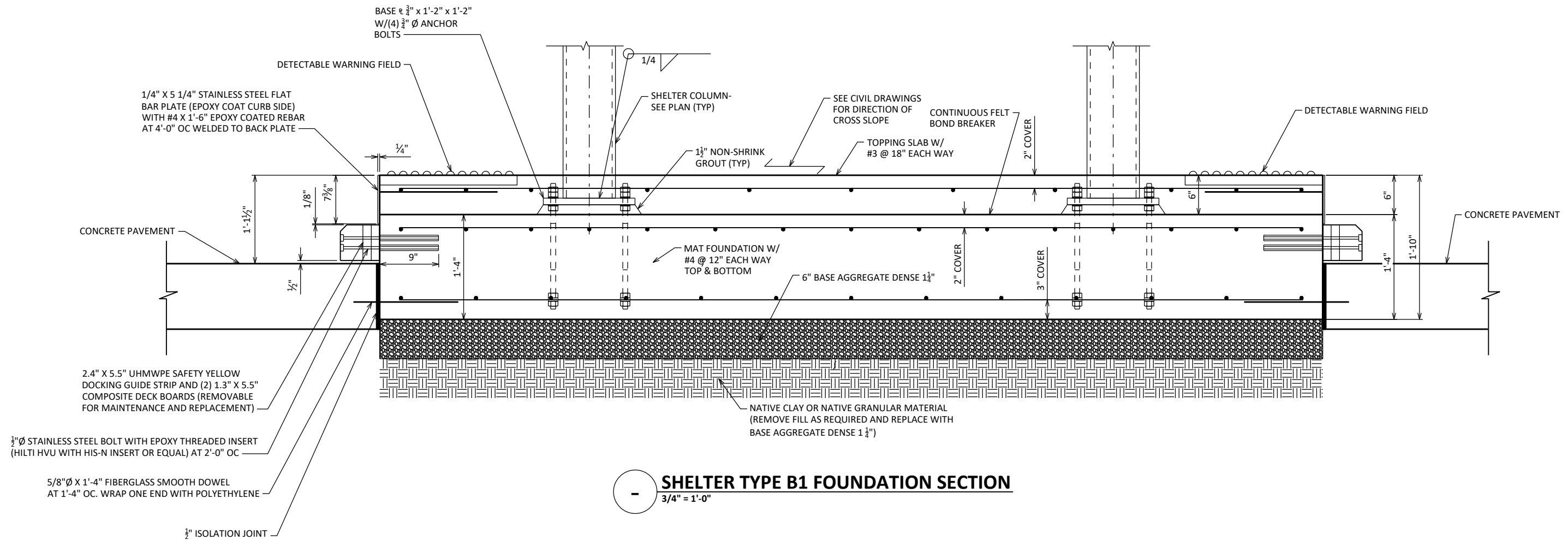


60631225P  
 S-S106



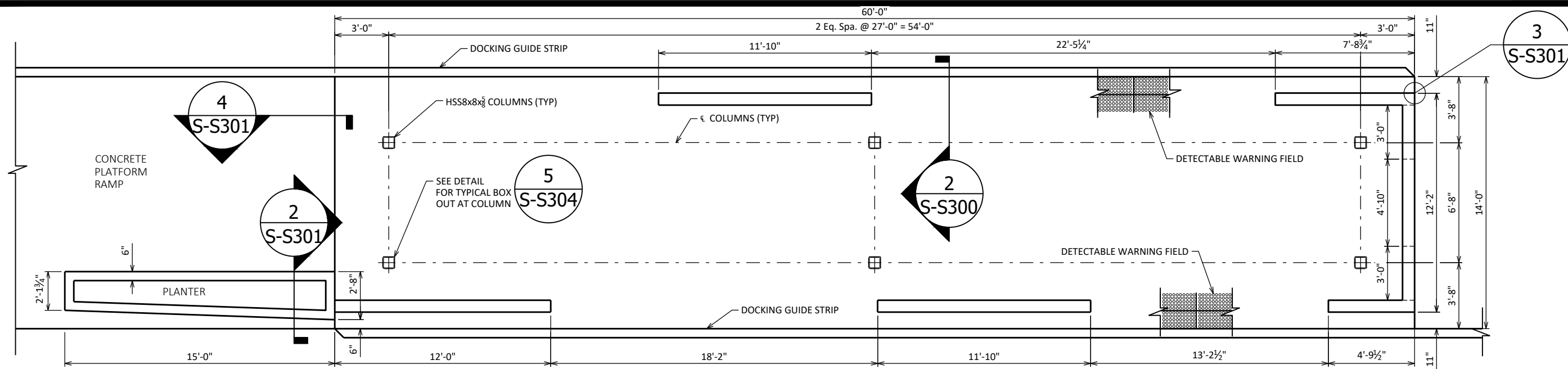


**SHelter Type B1 Foundation Plan**  
 3/4" = 1'-0"

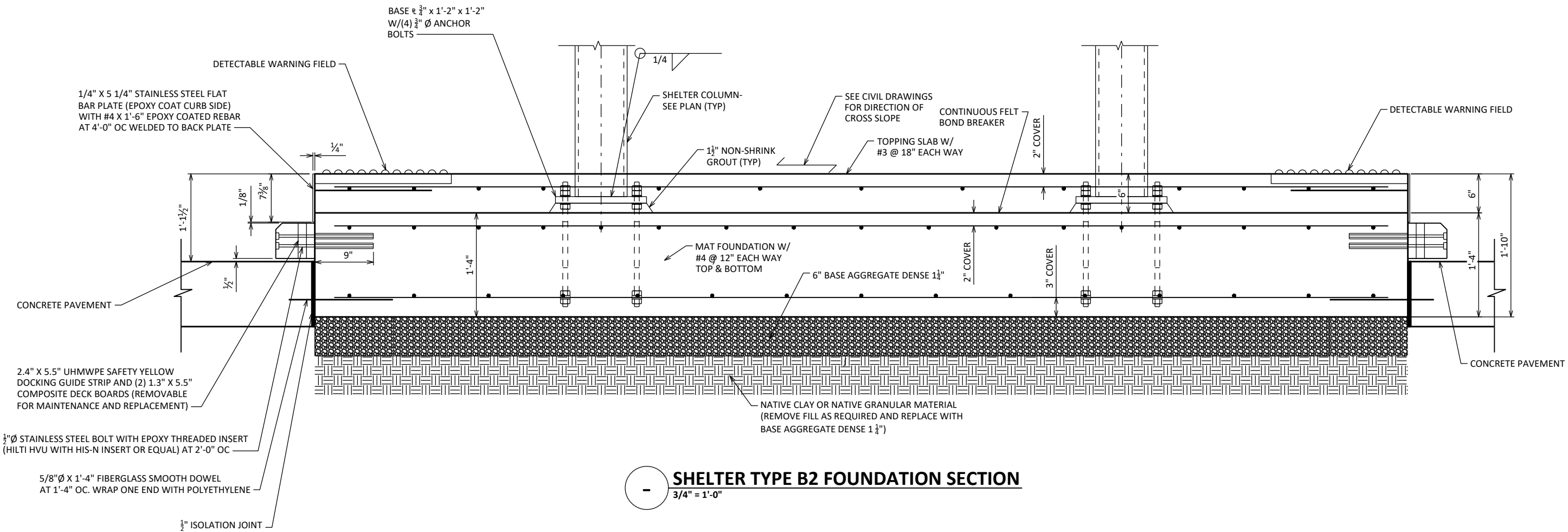


**SHelter Type B1 Foundation Section**  
 3/4" = 1'-0"

|                                  |                                  |                                  |                                  |
|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| 60631225P                        | 60631225P                        | 60631225P                        | 60631225P                        |
| CITY OF MADISON, DANE COUNTY, WI | CITY OF MADISON, DANE COUNTY, WI | CITY OF MADISON, DANE COUNTY, WI | CITY OF MADISON, DANE COUNTY, WI |
| BUS RAPID TRANSIT                | BUS RAPID TRANSIT                | BUS RAPID TRANSIT                | BUS RAPID TRANSIT                |
| CITY OF MADISON                  | CITY OF MADISON                  | CITY OF MADISON                  | CITY OF MADISON                  |
| CONTRACT NO: 60631225C           | CONTRACT NO: 60631225C           | CONTRACT NO: 60631225C           | CONTRACT NO: 60631225C           |
| 60631225P                        | 60631225P                        | 60631225P                        | 60631225P                        |
| S-S107                           | S-S107                           | S-S107                           | S-S107                           |



**SHELTER TYPE B2 FOUNDATION PLAN**  
 3/4" = 1'-0"



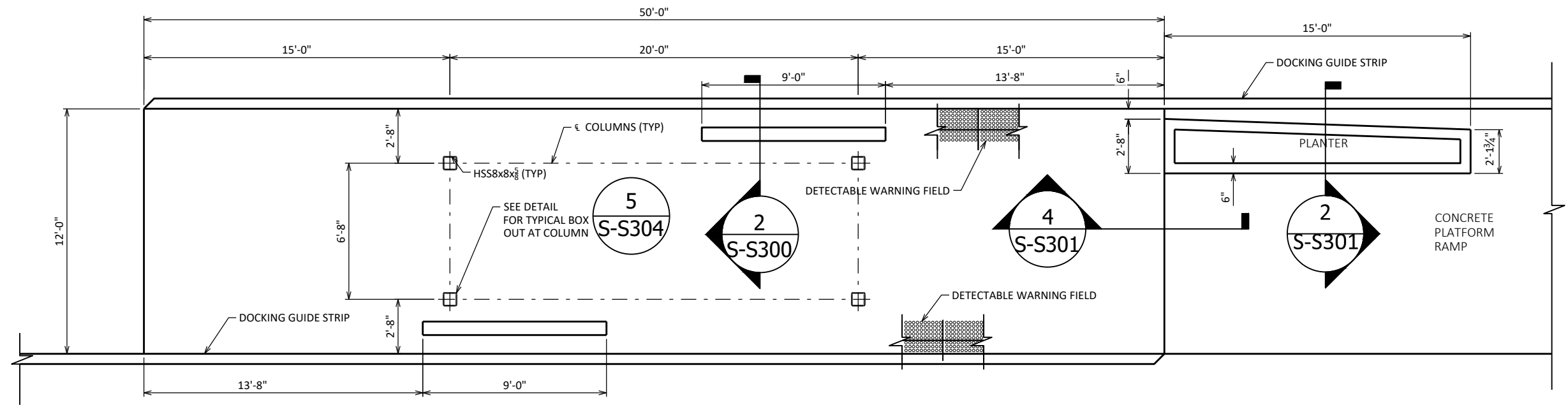
**SHELTER TYPE B2 FOUNDATION SECTION**  
 3/4" = 1'-0"

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| DATE      | BY |
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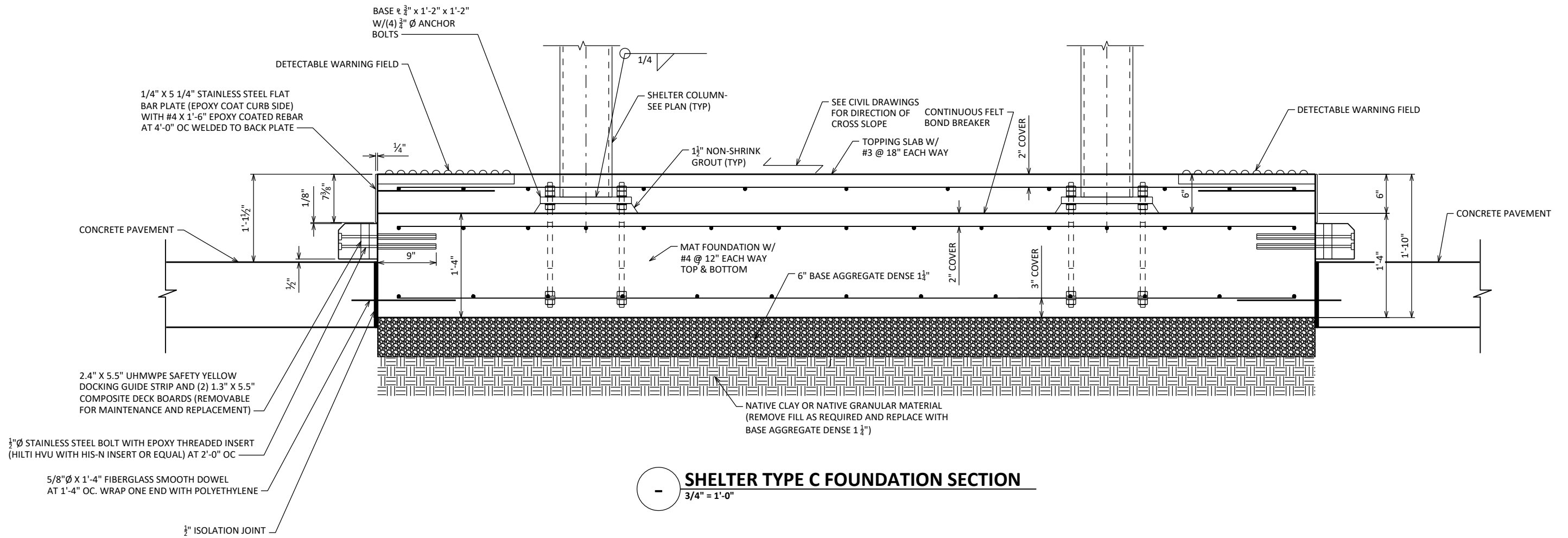
60631225P  
 CITY OF MADISON, DANE COUNTY, WI  
 CONTRACT NO: 60631225C

BUS RAPID TRANSIT  
**CITY OF MADISON**

60631225P  
 S-S108



**SHELTER TYPE C FOUNDATION PLAN**  
1" = 6'-0"



**SHELTER TYPE C FOUNDATION SECTION**  
3/4" = 1'-0"

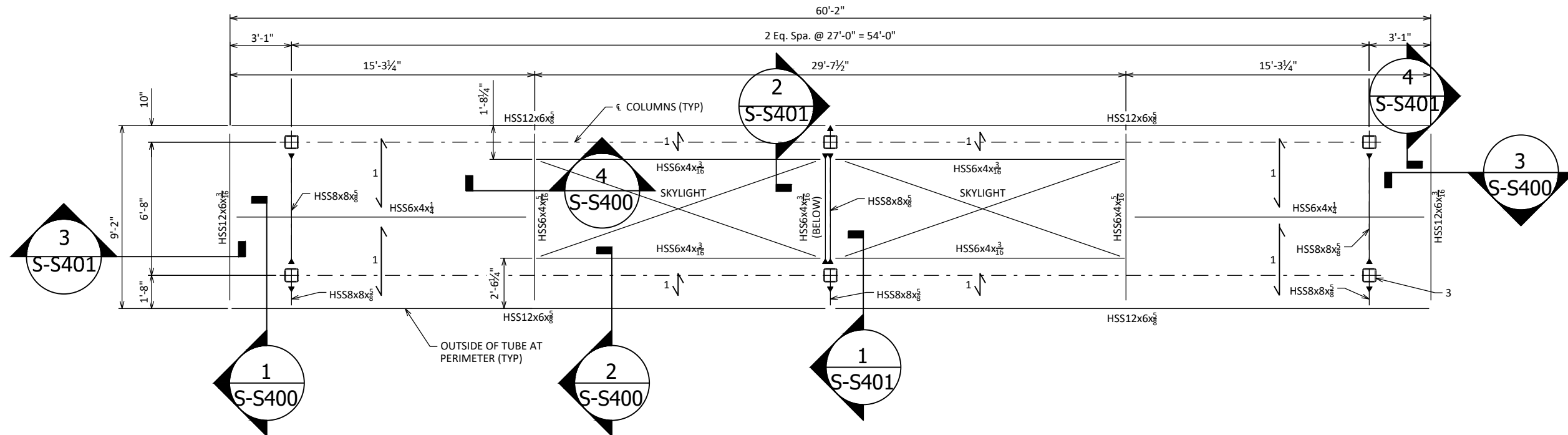
| NO. | REVISION | DATE | BY |
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60631225P  
CITY OF MADISON, DANE COUNTY, WI  
CONTRACT NO: 60631225C

BUS RAPID TRANSIT  
CITY OF MADISON



60631225P  
S-S109



**SHELTER TYPES A1, A2 & A5 ROOF FRAMING PLAN**  
 1" = 6'-0"

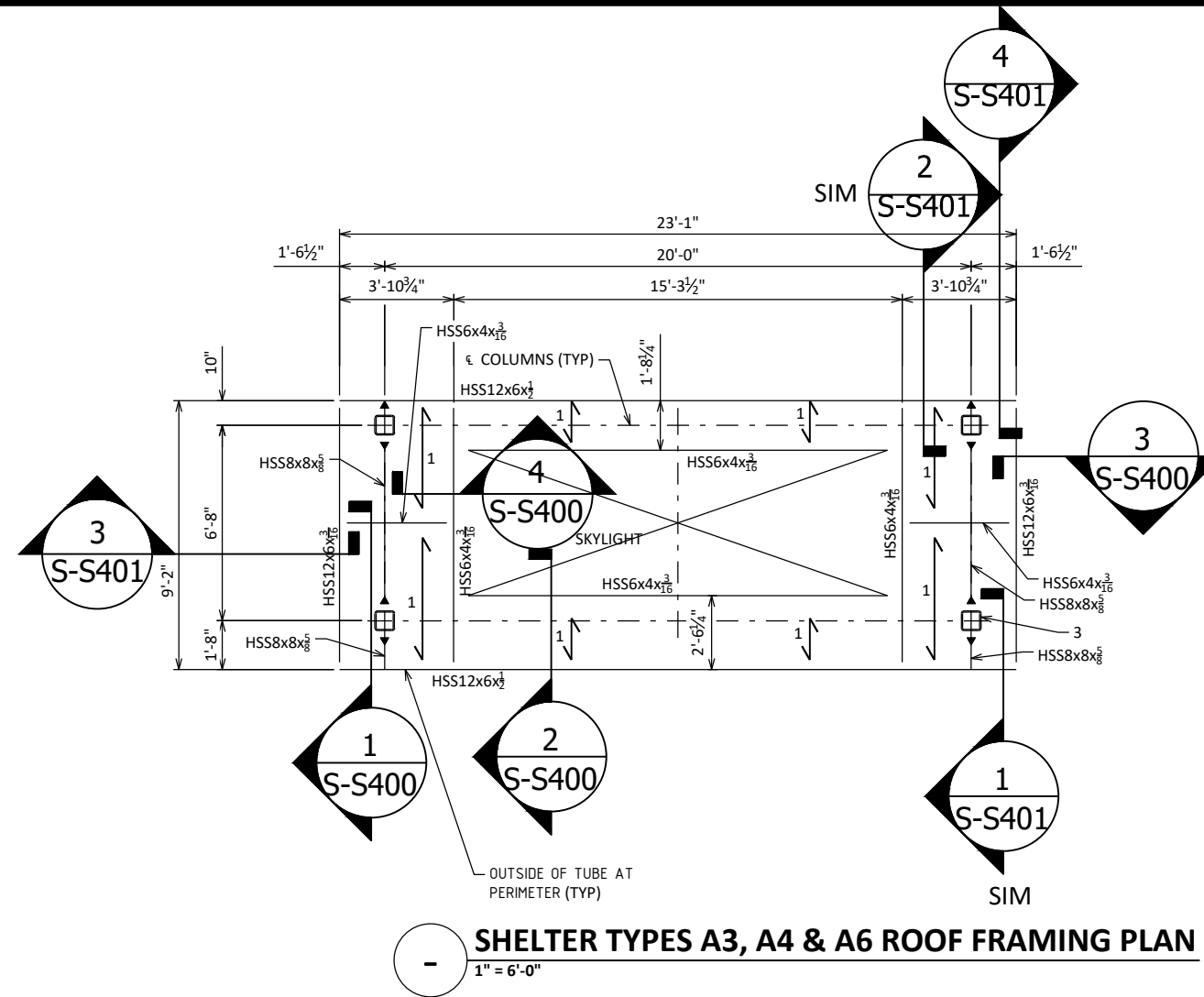
- PLAN NOTES
- 1-1/2"x20 GA TYPE B ROOF DECK, FASTENED TO SUPPORT FRAMING WITH #12 TEK SCREWS IN A 36/4 PATTERN.
  - INDICATES MOMENT CONNECTION.
  - PROVIDE  $\angle 3 \times 3 \times \frac{3}{16}$  AROUND COLUMN FOR DECK SUPPORT (TYP)

| MARK | REVISION | DATE | BY |
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**SHELTER TYPES A3, A4 & A6 ROOF FRAMING PLAN**  
 1" = 6'-0"

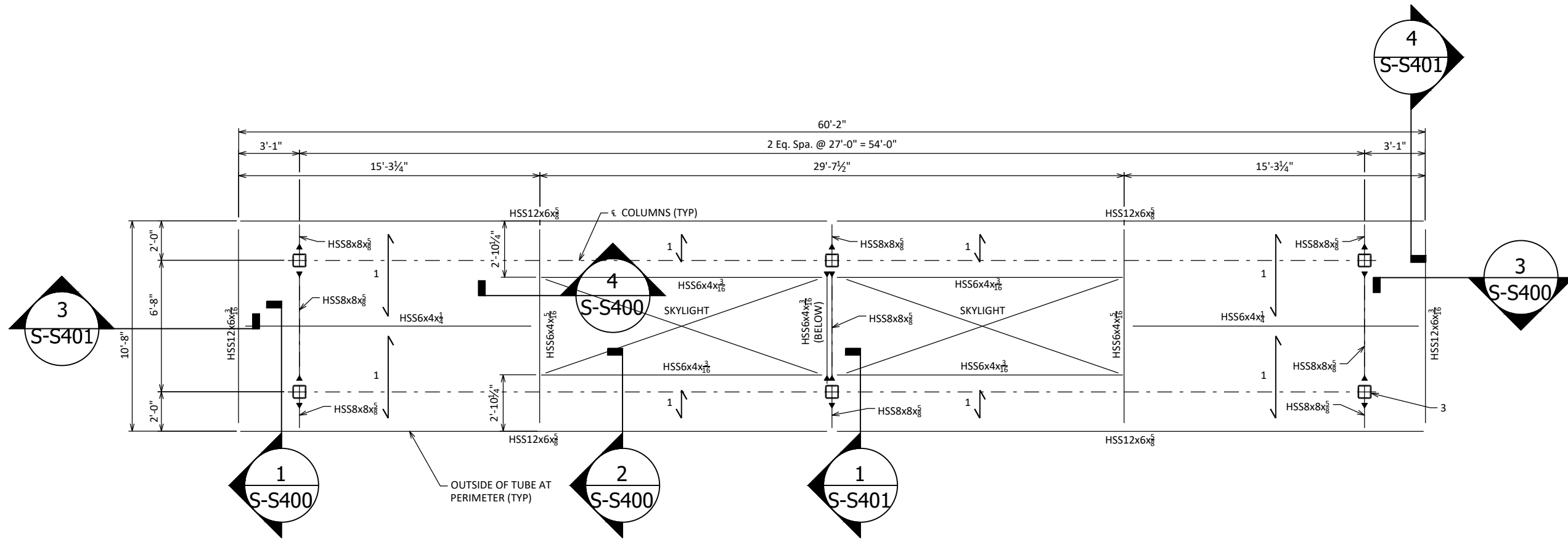
**PLAN NOTES**

1. 1-1/2"x20 GA TYPE B ROOF DECK, FASTENED TO SUPPORT FRAMING WITH #12 TEK SCREWS IN A 36/4 PATTERN.
2. INDICATES MOMENT CONNECTION.
3. PROVIDE L 3 X 3 X 3/16 AROUND COLUMN FOR DECK SUPPORT (TYP)

| MARK | REVISION | DATE | BY |
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**SHELTER TYPE B1 ROOF FRAMING PLAN**  
 1" = 6'-0"

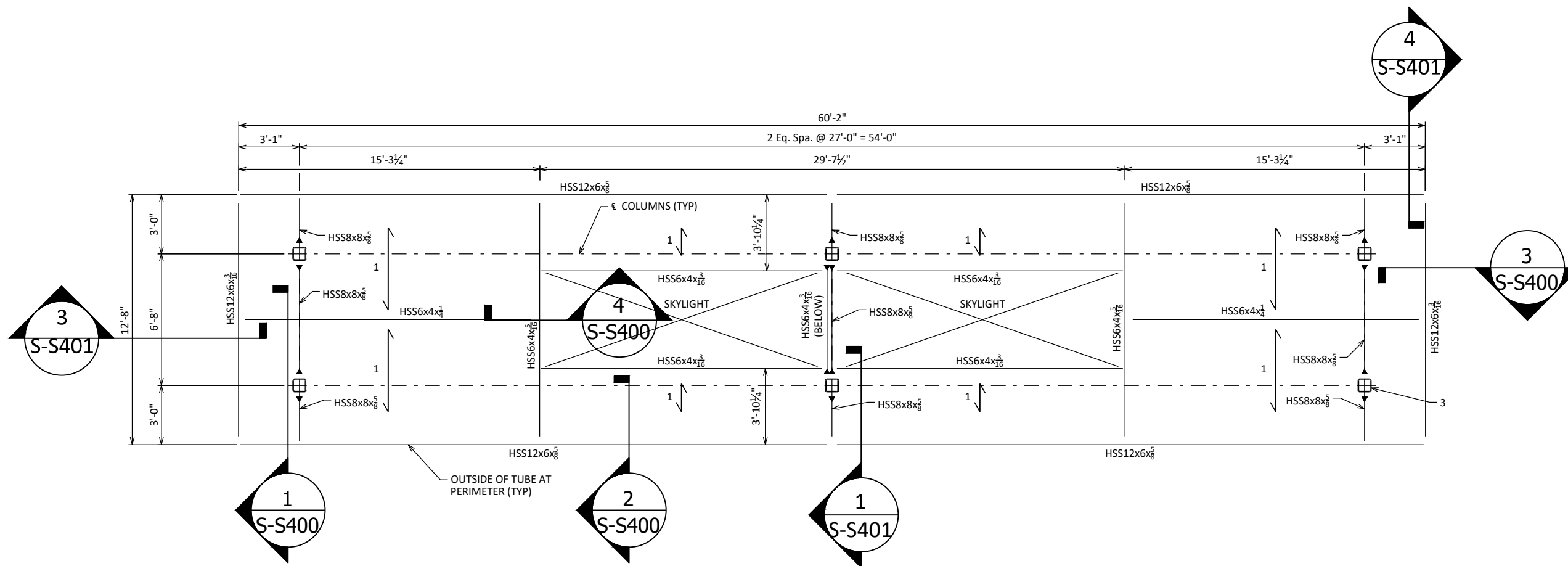
**PLAN NOTES**

1. 1-1/2"x20 GA TYPE B ROOF DECK, FASTENED TO SUPPORT FRAMING WITH #12 TEK SCREWS IN A 36/4 PATTERN.
2. INDICATES MOMENT CONNECTION.
3. PROVIDE  $\angle 3 \times 3 \times \frac{3}{16}$  AROUND COLUMN FOR DECK SUPPORT (TYP)

| MARK | REVISION | DATE | BY |
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 CITY OF MADISON, DANE COUNTY, WI  
 CONTRACT NO: 60631225C





**SHELTER TYPE B2 ROOF FRAMING PLAN**  
 1" = 6'-0"

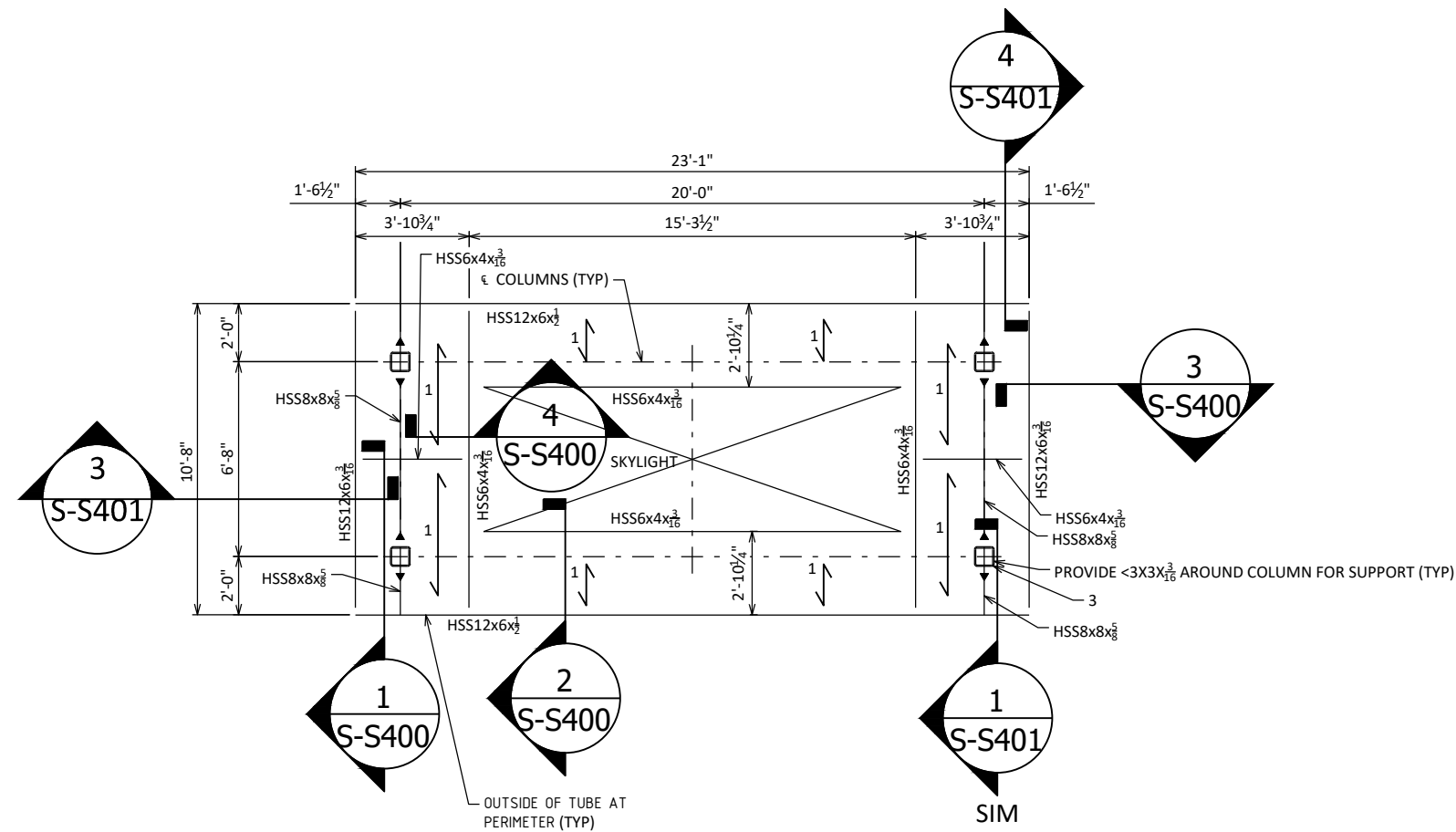
**PLAN NOTES**

1. 1-1/2"x20 GA TYPE B ROOF DECK, FASTENED TO SUPPORT FRAMING WITH #12 TEK SCREWS IN A 36/4 PATTERN.
2. INDICATES MOMENT CONNECTION.
3. PROVIDE L 3 X 3 X 3/8 AROUND COLUMN FOR DECK SUPPORT (TYP)

| MARK | REVISION | DATE | BY |
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 CITY OF MADISON, DANE COUNTY, WI  
 CONTRACT NO: 60631225C





**SHELTER TYPE C ROOF FRAMING PLAN**  
 1" = 6'-0"

PLAN NOTES

1. 1-1/2"x20 GA TYPE B ROOF DECK, FASTENED TO SUPPORT FRAMING WITH #12 TEK SCREWS IN A 36/4 PATTERN.
2. INDICATES MOMENT CONNECTION.
3. PROVIDE  $\angle 3 \times 3 \times \frac{3}{8}$  AROUND COLUMN FOR DECK SUPPORT (TYP)

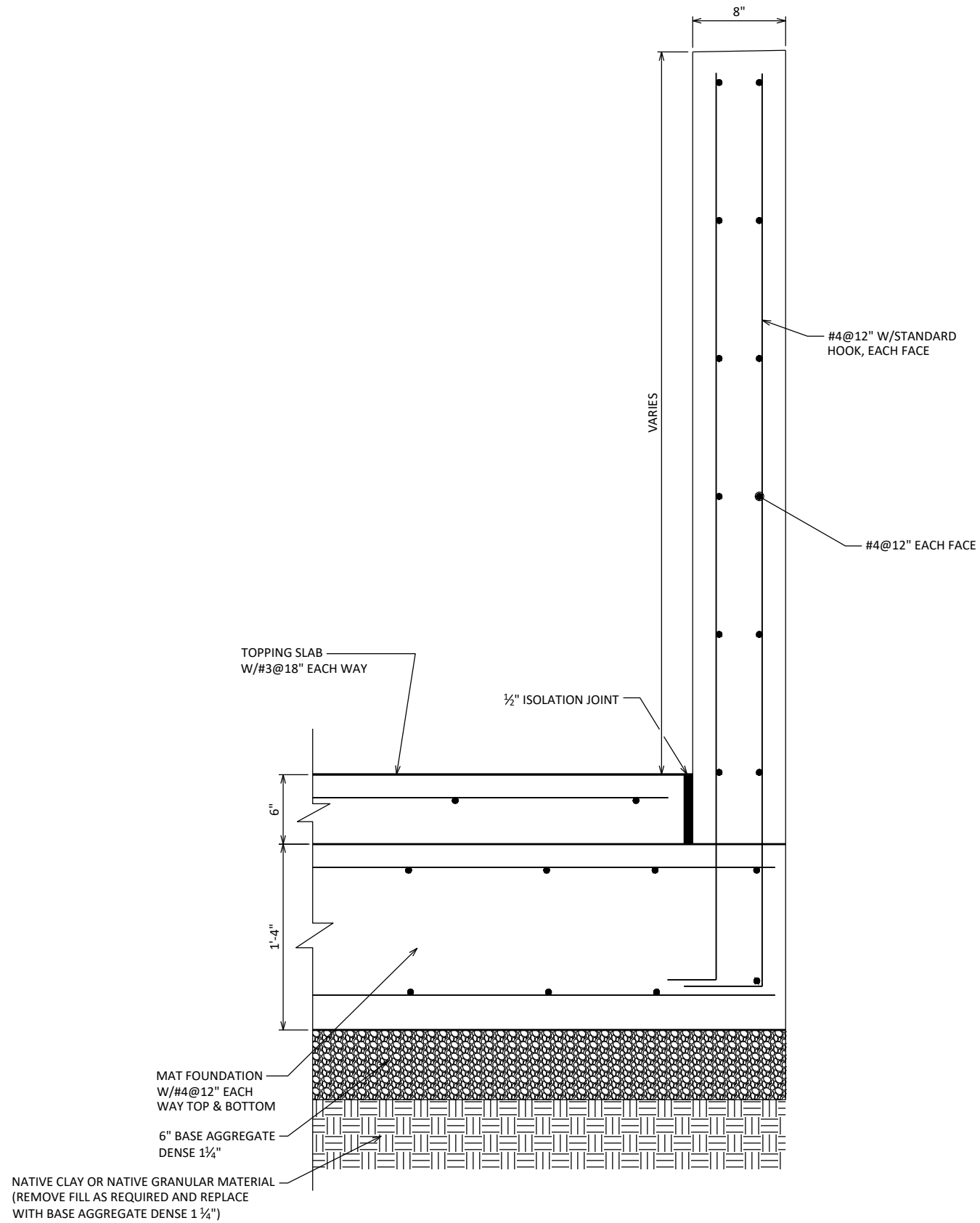
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 CITY OF MADISON, DANE COUNTY, WI  
 CONTRACT NO: 60631225C

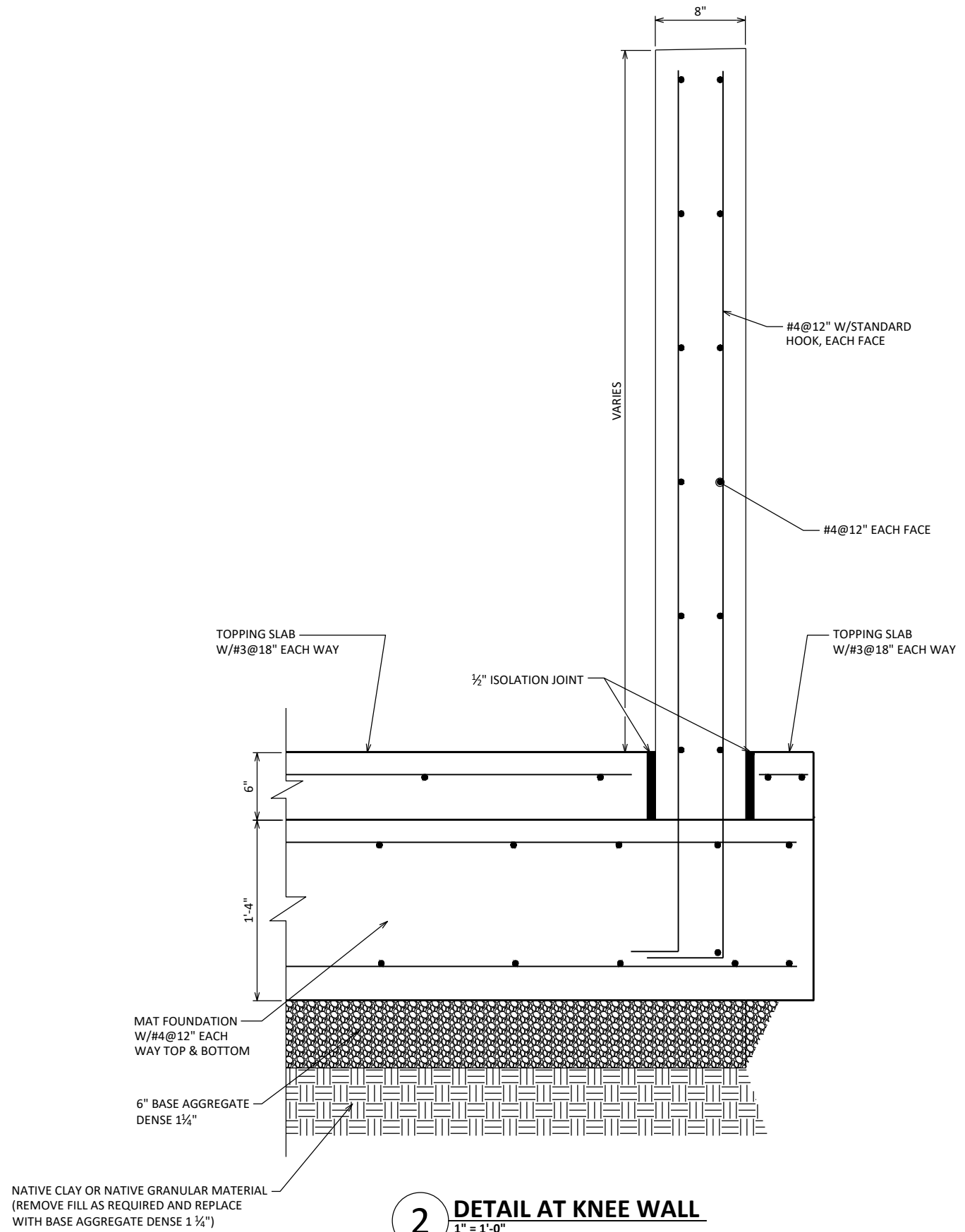
BUS RAPID TRANSIT  
**CITY OF MADISON**







**1** **DETAIL AT KNEE WALL**  
1" = 1'-0"



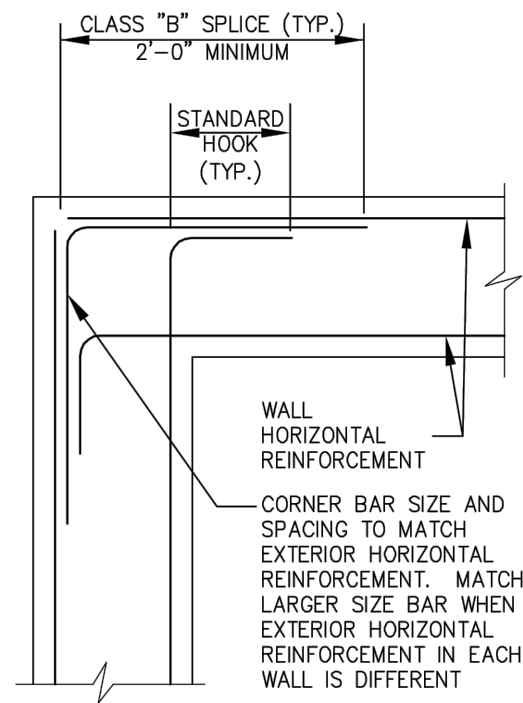
**2** **DETAIL AT KNEE WALL**  
1" = 1'-0"

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| MARK      | REVISION | DATE | BY |
|           |          |      |    |
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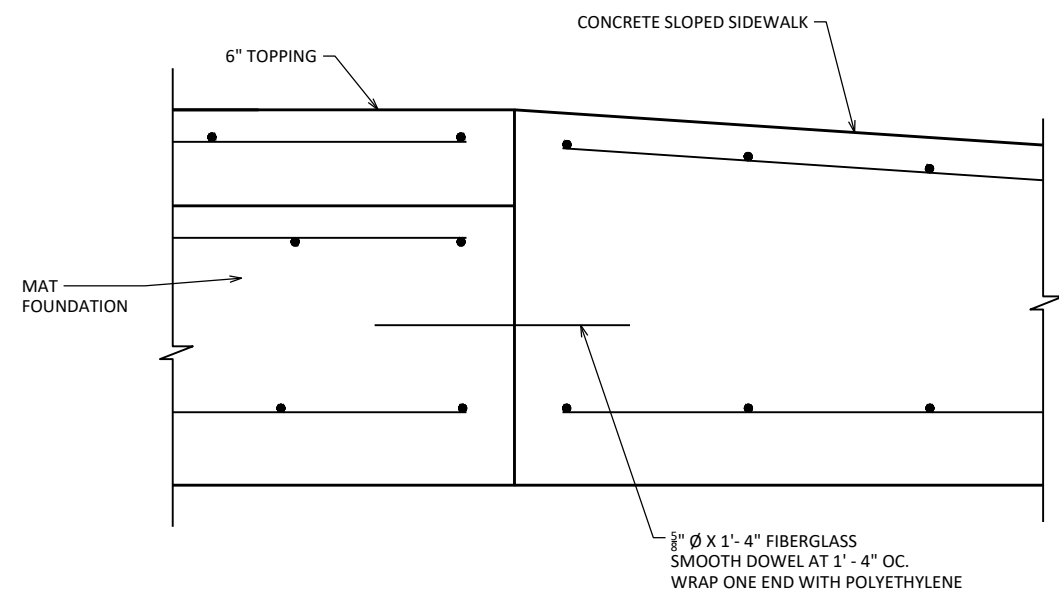
60631225P  
CITY OF MADISON, DANE COUNTY, WI  
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BUS RAPID TRANSIT  
CITY OF MADISON



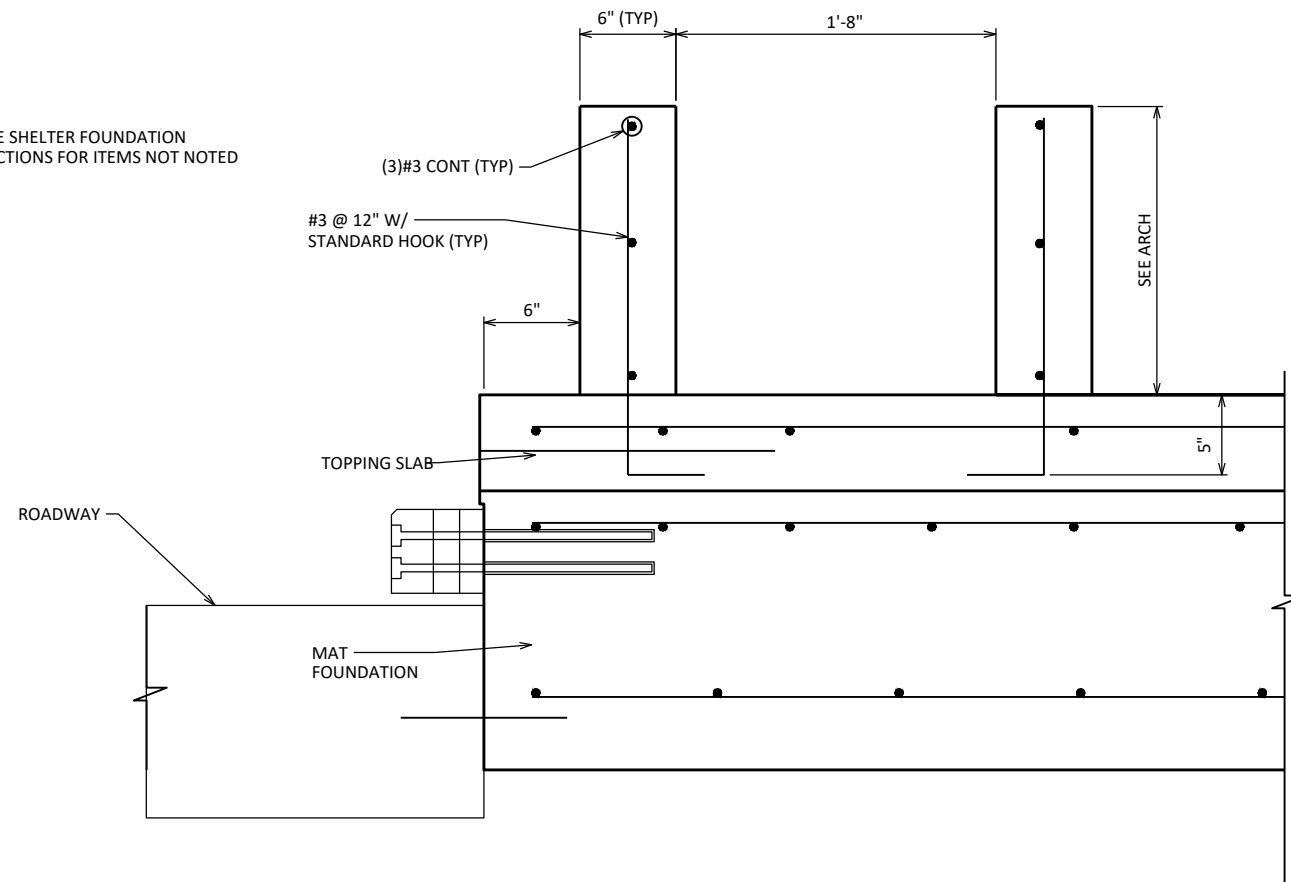


**3 WALL CORNER REINFORCEMENT**  
N.T.S.

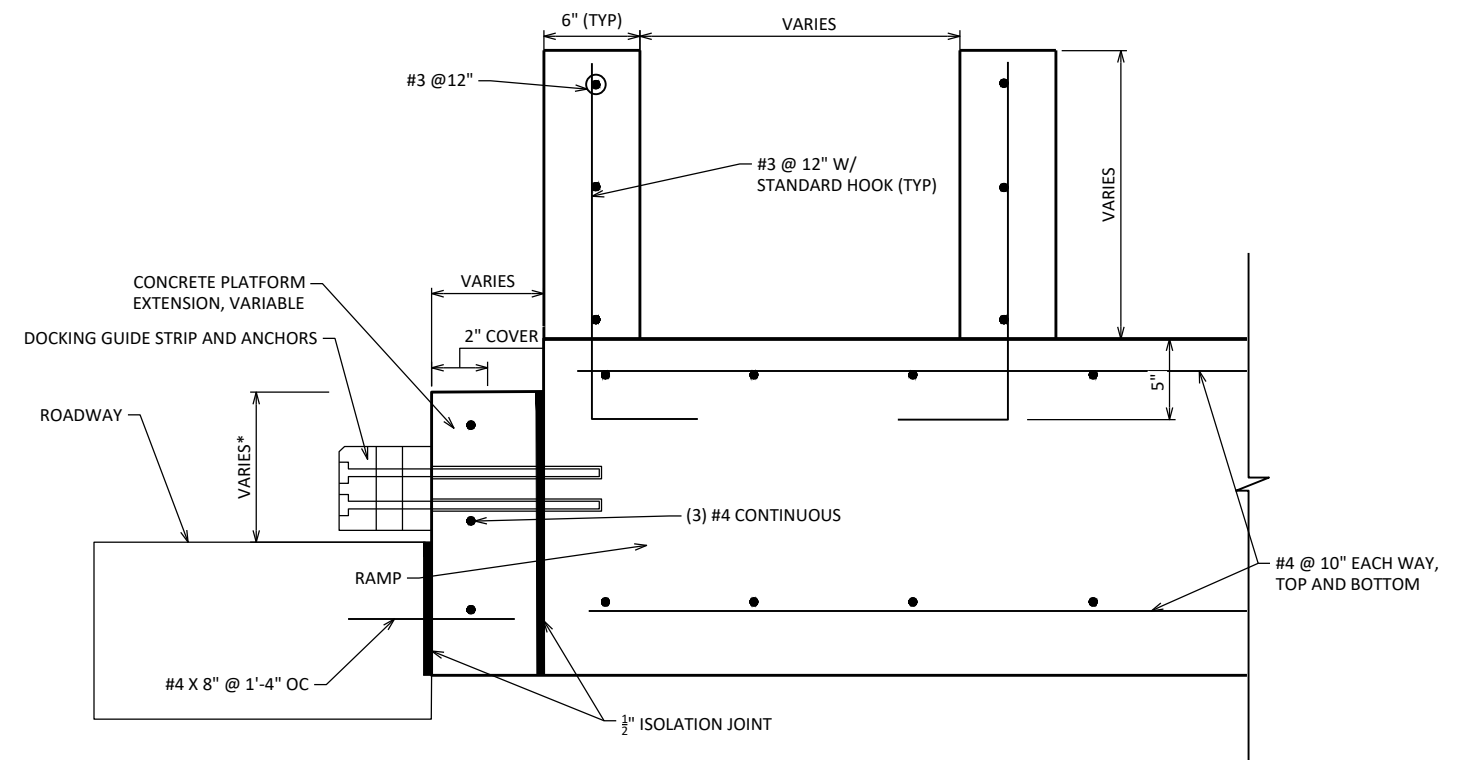


**4 DETAIL AT PLATFORM - CONCRETE SLOPED SIDEWALK CONNECTION**  
1" = 1'-0"

SEE SHELTER FOUNDATION SECTIONS FOR ITEMS NOT NOTED



**1 DETAIL AT PLANTER AT PLATFORM**  
1" = 1'-0"



**2 DETAIL AT PLANTER AT CONCRETE SLOPED SIDEWALK**  
1" = 1'-0"  
\*VARIABLE HEIGHT TO MATCH INTO INLET CURB BOX WHERE INLET IS INDICATED ON SITE PLAN AND TO MAINTAIN 6" HEIGHT AT END OF CONCRETE SLOPED SIDEWALK.

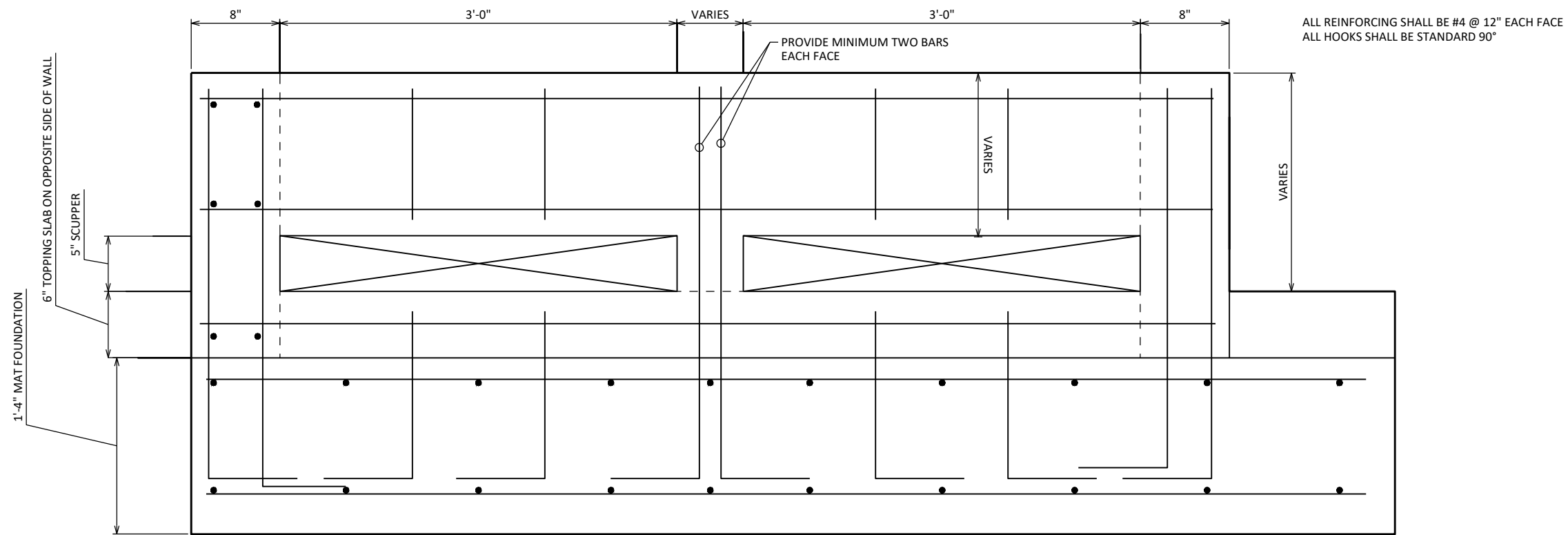
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| DATE      | BY |
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CITY OF MADISON, DANE COUNTY, WI  
CONTRACT NO: 60631225C

BUS RAPID TRANSIT  
CITY OF MADISON



60631225P  
S-S301

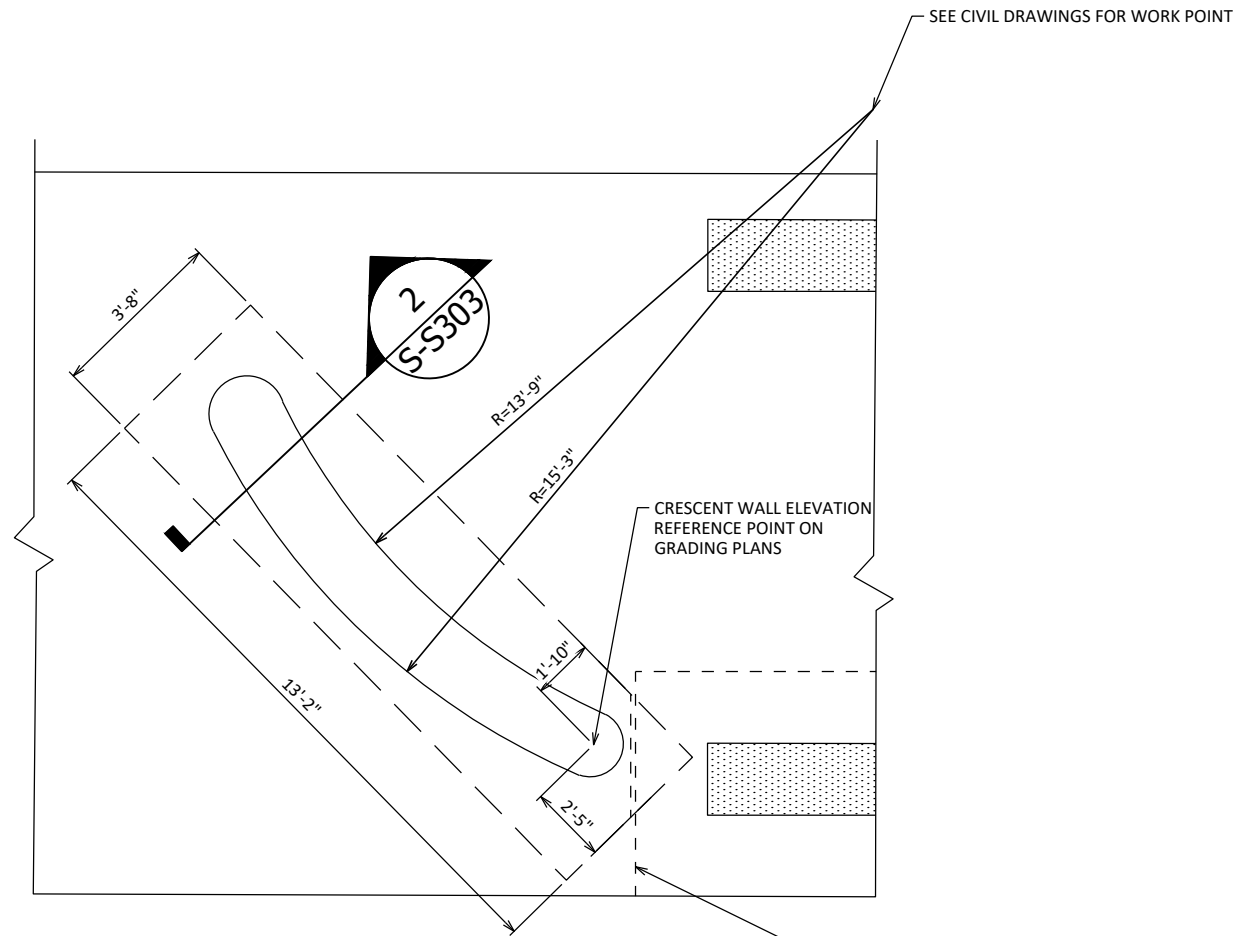


**1** TYPICAL END WALL ELEVATION  
1" = 1'-0"

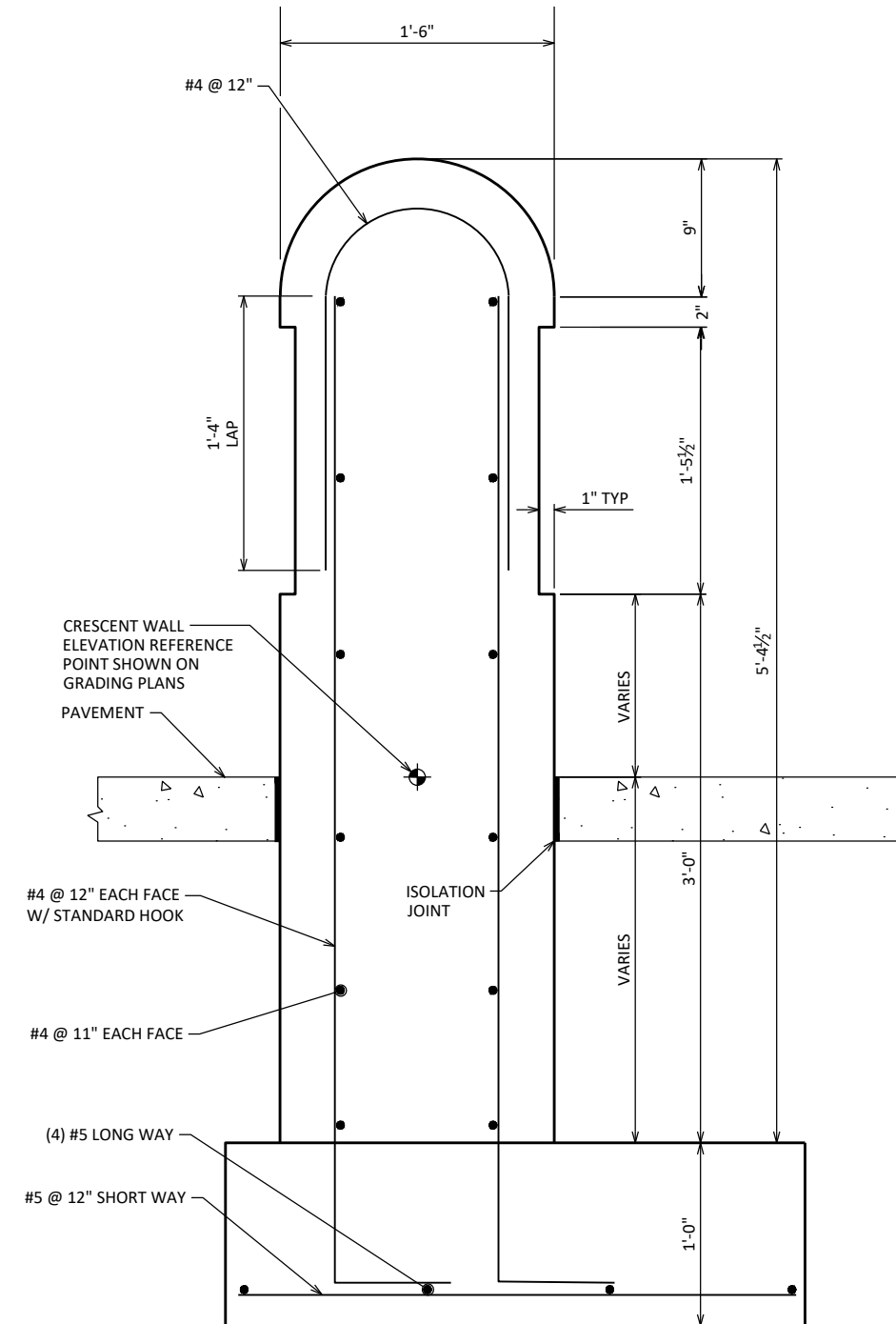
| MARK | REVISION | DATE | BY |
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 CITY OF MADISON, DANE COUNTY, WI  
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**1 PLAN AT TYPICAL CRESCENT WALL**  
 1/4" = 1'-0"



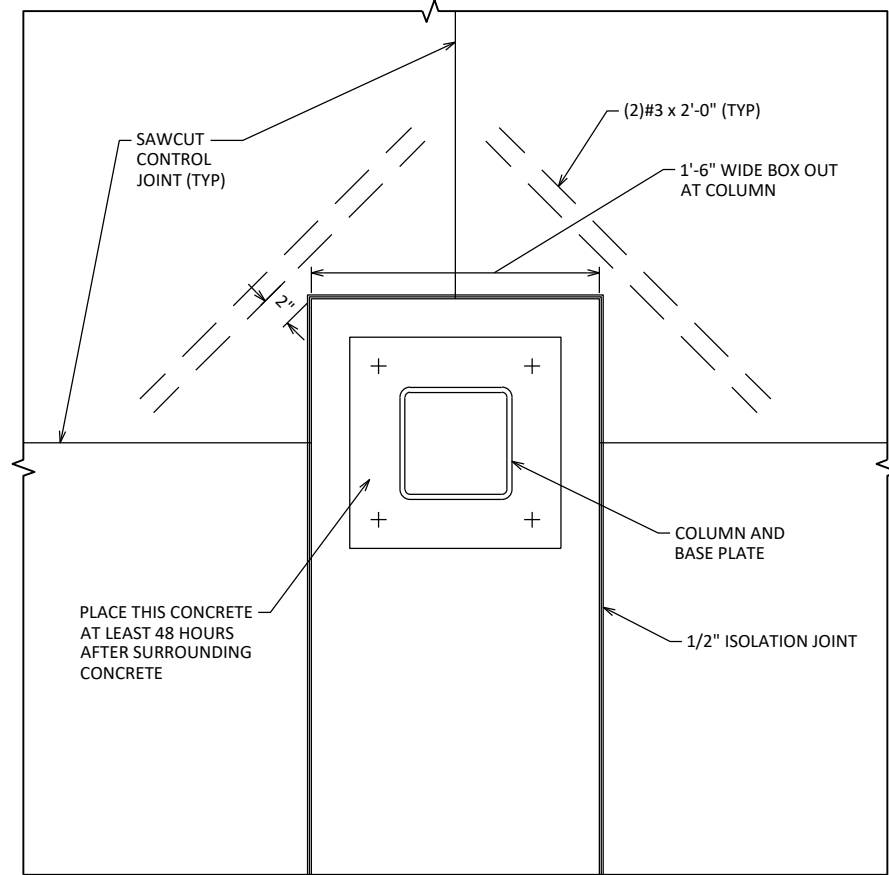
**2 CRESCENT WALL SECTION**  
 1" = 1'-0"

| MARK | REVISION | DATE | BY |
|------|----------|------|----|
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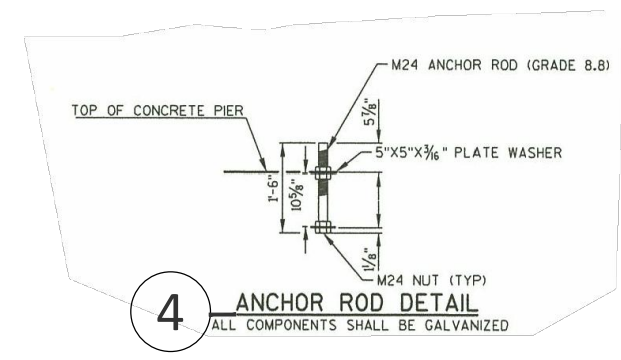
60631225P  
 CITY OF MADISON, DANE COUNTY, WI  
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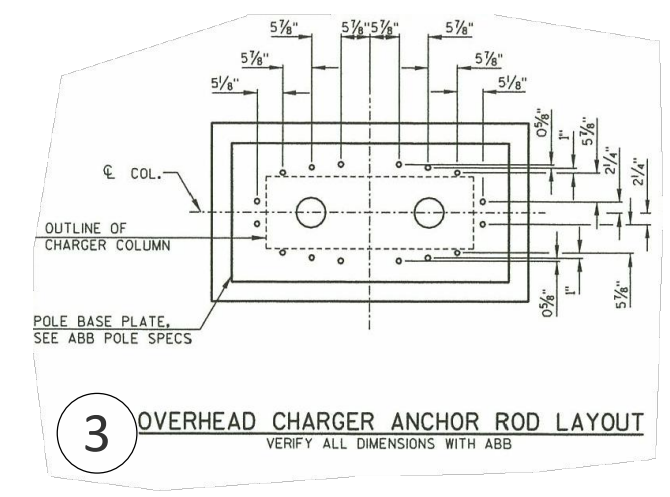




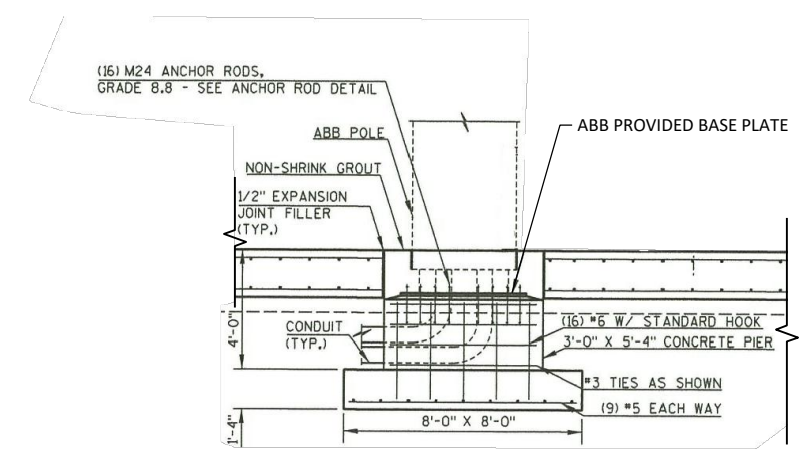
**5** **TYPICAL BOX OUT AT COLUMN**  
1" = 1'-0"



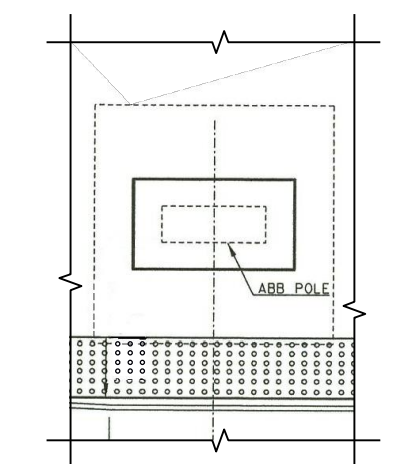
**4** **ANCHOR ROD DETAIL**  
ALL COMPONENTS SHALL BE GALVANIZED



**3** **OVERHEAD CHARGER ANCHOR ROD LAYOUT**  
VERIFY ALL DIMENSIONS WITH ABB



**2** **SECTION AT OVERHEAD CHARGING POLE**  
N.T.S.



**1** **PLAN AT OVERHEAD CHARGING POLE**  
N.T.S.

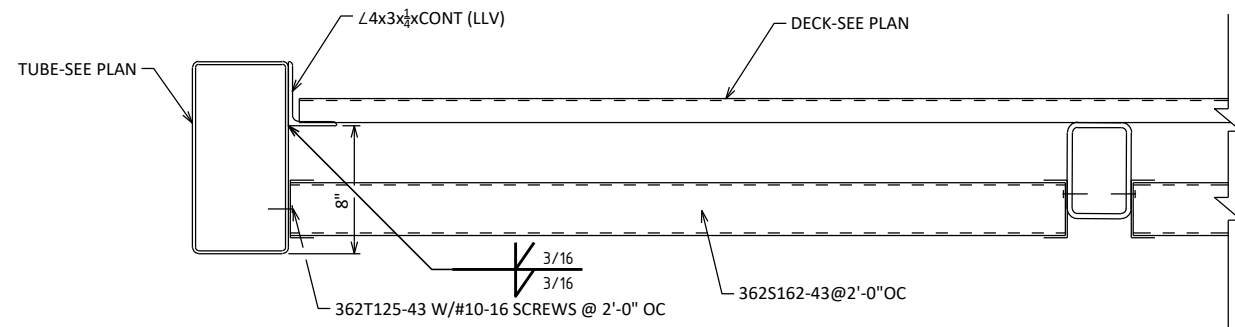
|           |    |
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| DATE      | BY |
| REVISION  |    |
| MARK      |    |
| 60631225P |    |

60631225P  
CITY OF MADISON, DANE COUNTY, WI  
CONTRACT NO: 60631225C

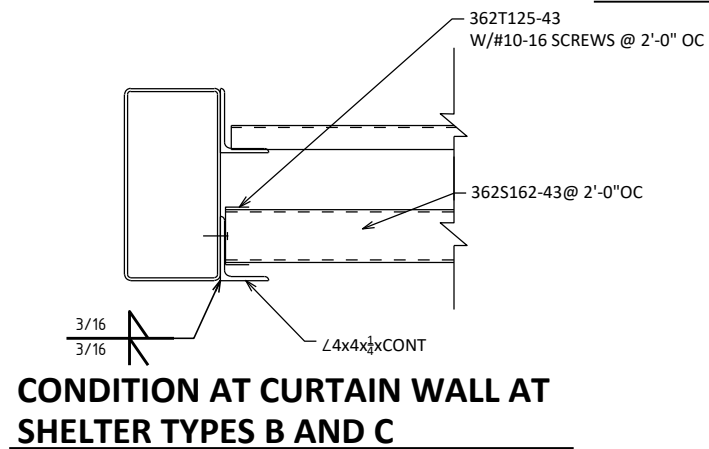
BUS RAPID TRANSIT  
CITY OF MADISON



60631225P  
S-S304

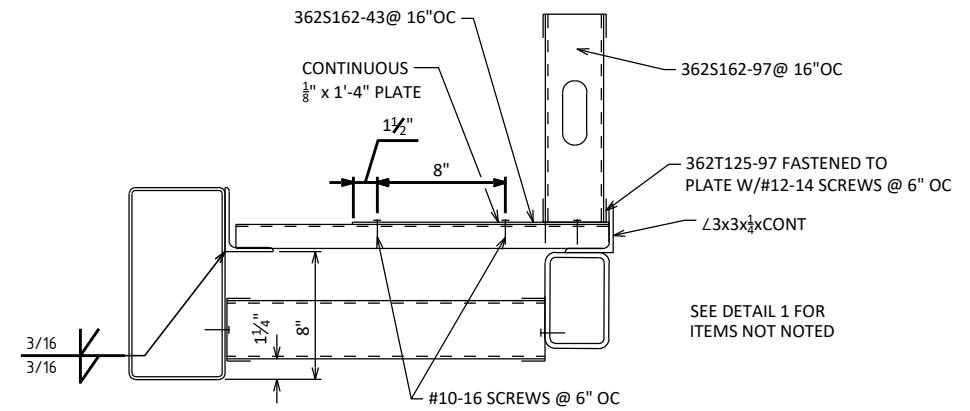


**TYPICAL CONDITION**

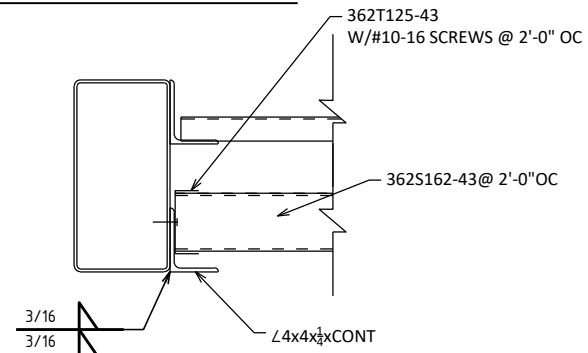


**CONDITION AT CURTAIN WALL AT SHELTER TYPES B AND C**

**1 ROOF EDGE DETAIL**  
1" = 1'-0"

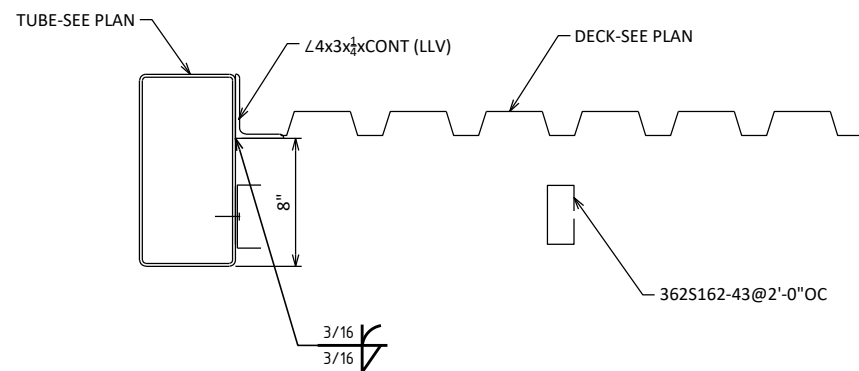


**TYPICAL CONDITION**

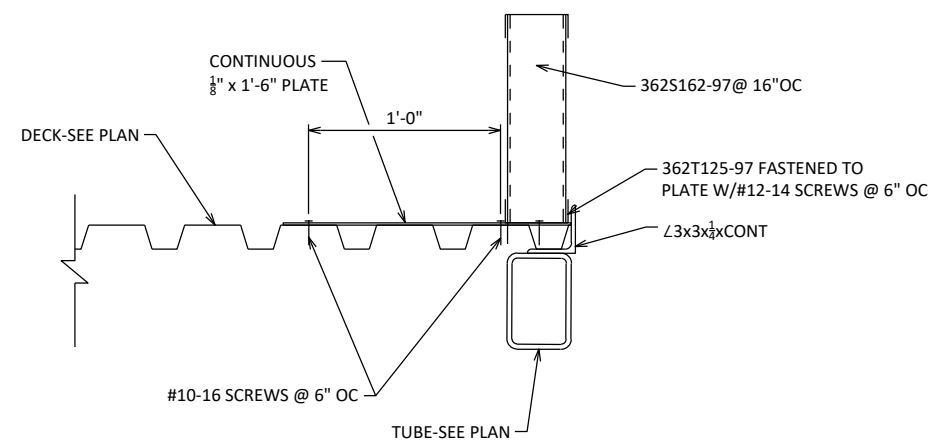


**CONDITION AT CURTAIN WALL AT SHELTER TYPES B AND C**

**2 DETAIL AT SKYLIGHT KNEE WALL**  
1" = 1'-0"

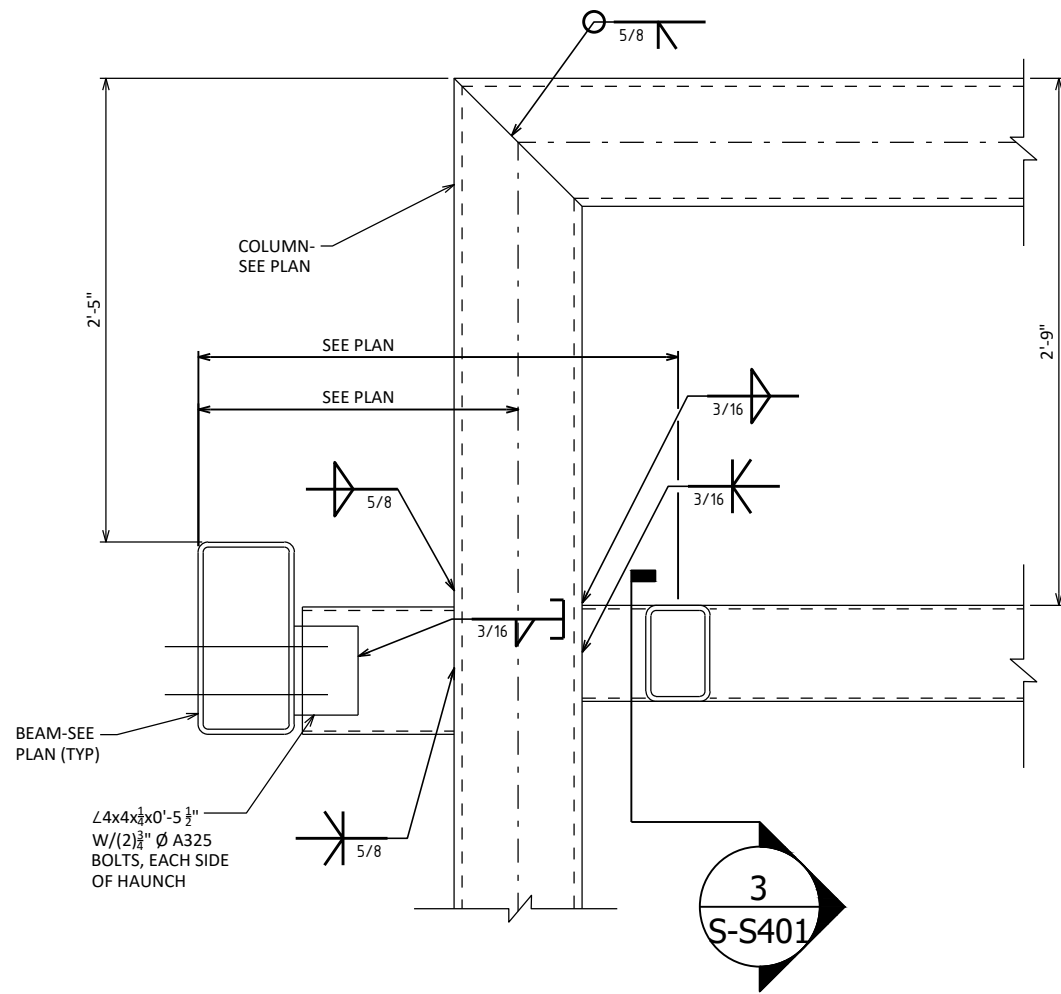


**3 ROOF EDGE DETAIL**  
1" = 1'-0"

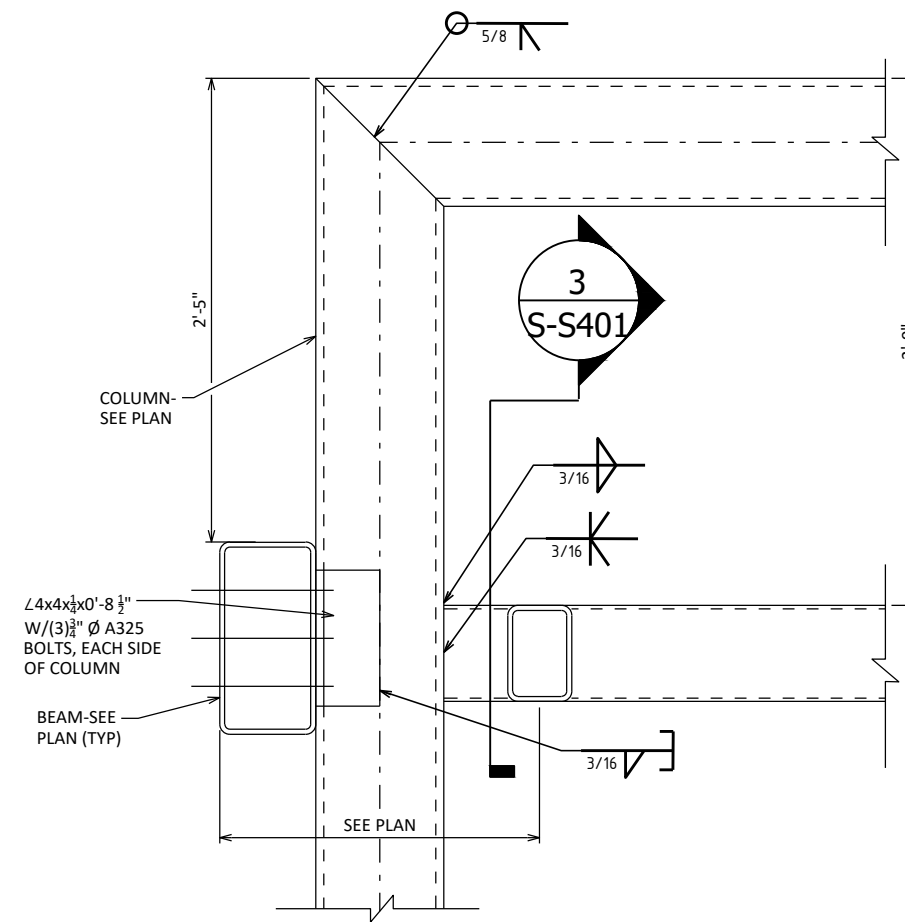


**4 DETAIL AT SKYLIGHT KNEE WALL**  
1" = 1'-0"

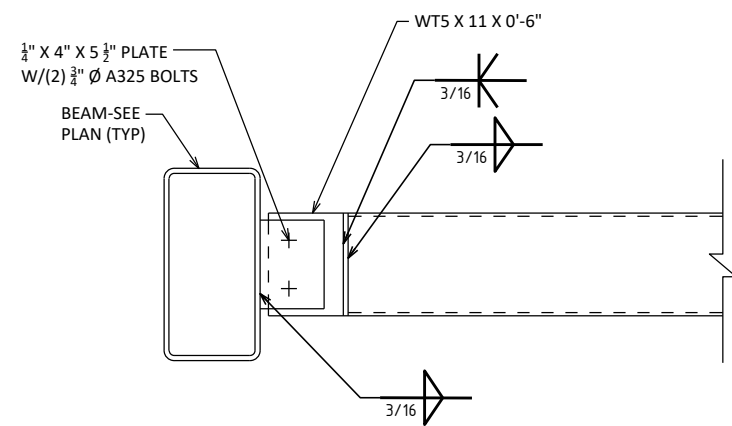
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| DATE                             | BY        |
| REVISION                         |           |
| MARK                             | 60631225P |
| 60631225P                        |           |
| CITY OF MADISON                  |           |
| BUS RAPID TRANSIT                |           |
| CITY OF MADISON                  |           |
| CITY OF MADISON, DANE COUNTY, WI |           |
| 60631225P                        |           |
| CONTRACT NO: 60631225C           |           |
| 60631225P                        |           |
| S-S400                           |           |



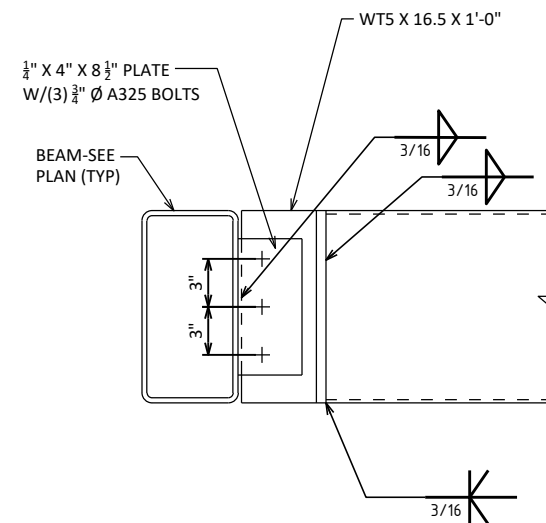
**1** **DETAIL AT PORTAL FRAME**  
1" = 1'-0"




**2** **DETAIL AT PORTAL FRAME**  
1" = 1'-0"



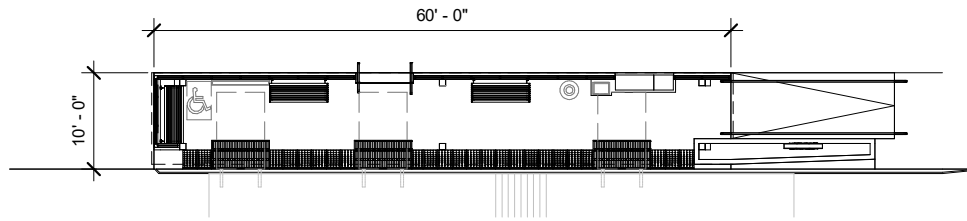
**3** **CONNECTION DETAIL**  
1" = 1'-0"



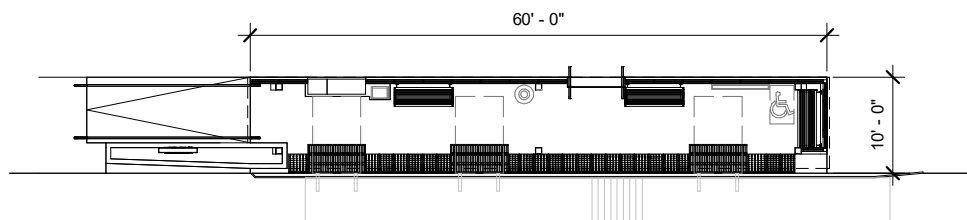
**4** **CONNECTION DETAIL**  
1" = 1'-0"

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| 60631225P   | REVISION | DATE | BY |
| 60631225P   | MARK     |      |    |
| CITY OF MADISON, DANE COUNTY, WI  |          |      |    |
| CONTRACT NO: 60631225C  |          |      |    |
| BUS RAPID TRANSIT   |          |      |    |
| CITY OF MADISON   |          |      |    |
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| 60631225P   |          |      |    |
| S-S401  |          |      |    |

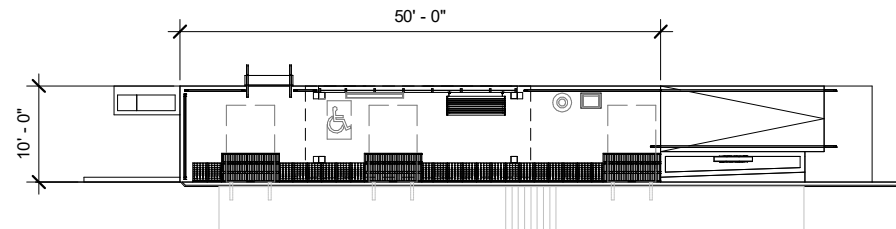
BUS SIZES SHOWN  
ARE APPROXIMATE



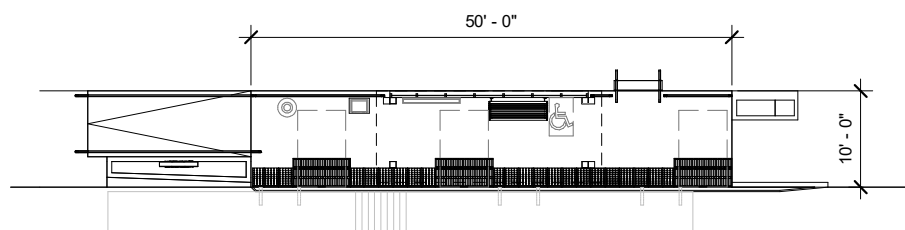
1 **TYPE A1**  
Scale: 1" = 20'-0"



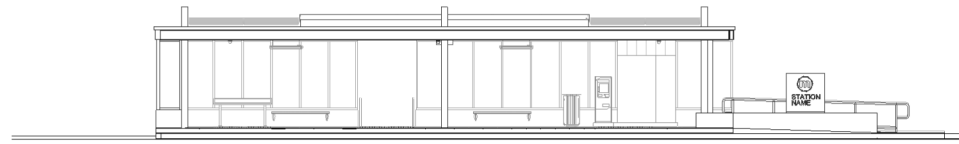
2 **TYPE A2**  
Scale: 1" = 20'-0"



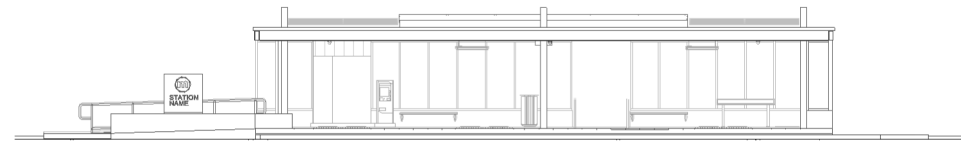
3 **TYPE A3**  
Scale: 1" = 20'-0"



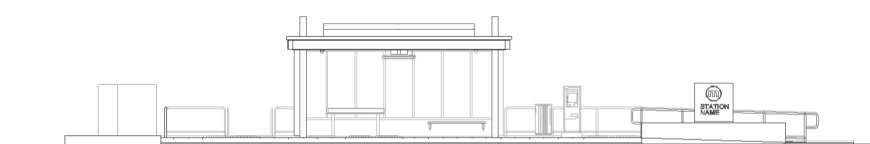
4 **TYPE A4**  
Scale: 1" = 20'-0"



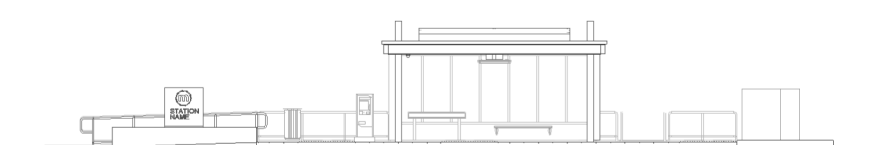
5 **ELEVATION 01 - TYPE A1**  
Scale: 1" = 20'-0"



6 **ELEVATION 01 - TYPE A2**  
Scale: 1" = 20'-0"



7 **ELEVATION 01 - TYPE A3**  
Scale: 1" = 20'-0"



8 **ELEVATION 01 - TYPE A4**  
Scale: 1" = 20'-0"

PLATFORM TYPE - A1  
CURBSIDE  
ENTRY RIGHT

PLATFORM SIZE: 60'-0"L x 10'-0"W  
CANOPY SIZE: 60'-6"L x 9'-6"W

PLATFORM TYPE - A2  
CURBSIDE  
ENTRY LEFT

PLATFORM SIZE: 60'-0"L x 10'-0"W  
CANOPY SIZE: 60'-6"L x 9'-6"W

PLATFORM TYPE - A3  
CURBSIDE  
ENTRY RIGHT

PLATFORM SIZE: 50'-0"L x 10'-0"W  
CANOPY SIZE: 23'-5"L x 9'-6"W

PLATFORM TYPE - A4  
CURBSIDE  
ENTRY LEFT

PLATFORM SIZE: 50'-0"L x 10'-0"W  
CANOPY SIZE: 23'-5"L x 9'-6"W

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CITY OF MADISON, DANE COUNTY, WI  
CONTRACT NO: 60631225C

OVERALL STATION TYPE A  
BUS RAPID TRANSIT  
CITY OF MADISON



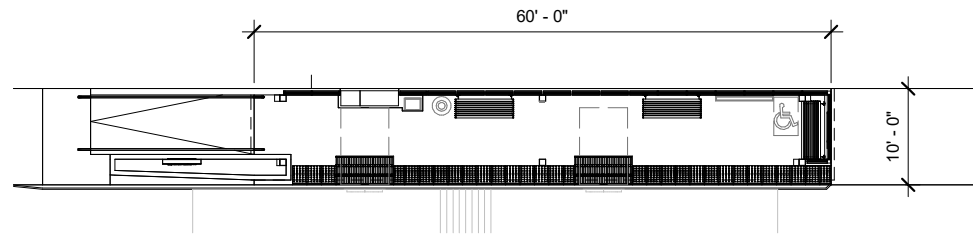
60631225P

A100

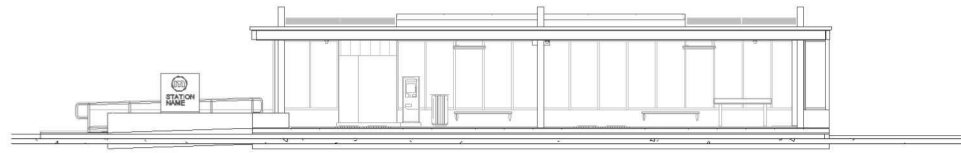
| MARK | REVISION | DATE | BY |
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Designed By: \_\_\_\_\_ Date: 2022-03-08 Scale: 1" = 20'-0"

BUS SIZES SHOWN  
ARE APPROXIMATE



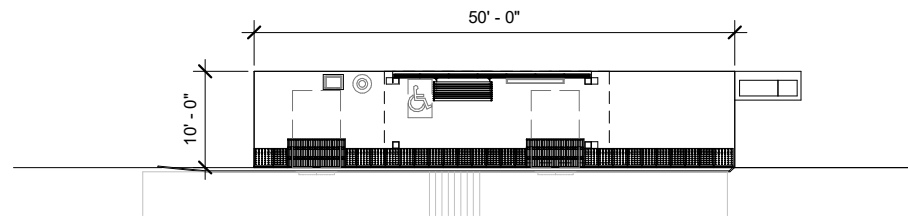
2 | **TYPE A5**  
Scale: 1" = 20'-0"



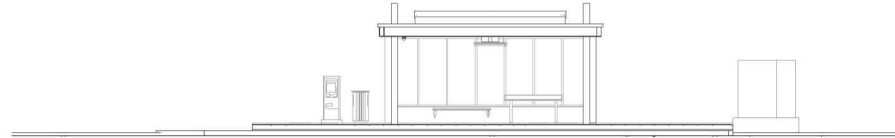
5 | **ELEVATION 01 - TYPE A5**  
Scale: 1" = 20'-0"

PLATFORM TYPE - A5  
CURBSIDE CENTER  
ENTRY LEFT

PLATFORM SIZE: 60'-0"L x 10'-0"W  
CANOPY SIZE: 60'-6"L x 9'-6"W



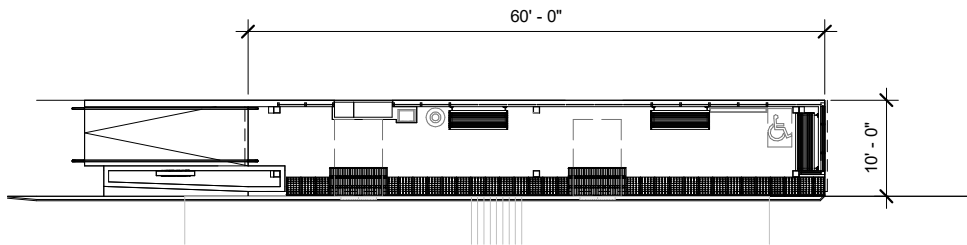
3 | **TYPE A6**  
Scale: 1" = 20'-0"



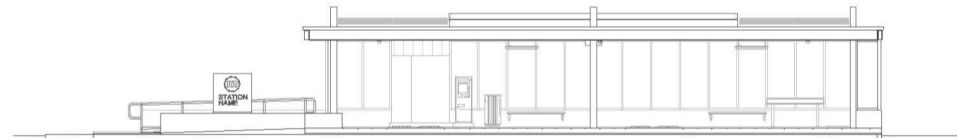
6 | **ELEVATION 01 - TYPE A6**  
Scale: 1" = 20'-0"

PLATFORM TYPE - A6  
CURBSIDE AT CHARGING STATION  
ENTRY BOTH SIDES

PLATFORM SIZE: 60'-0"L x 10'-0"W  
CANOPY SIZE: 23'-5"L x 9'-6"W



7 | **TYPE A7**  
Scale: 1" = 20'-0"



8 | **ELEVATION 01 - TYPE A7**  
Scale: 1" = 20'-0"

PLATFORM TYPE - A7  
CURBSIDE CENTER WITH GREENSPACE BEHIND  
ENTRY LEFT

PLATFORM SIZE: 60'-0"L x 10'-0"W  
CANOPY SIZE: 60'-6"L x 9'-6"W

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CITY OF MADISON, DANE COUNTY, WI  
CONTRACT NO: 60631225C

OVERALL STATION TYPE A  
BUS RAPID TRANSIT  
CITY OF MADISON

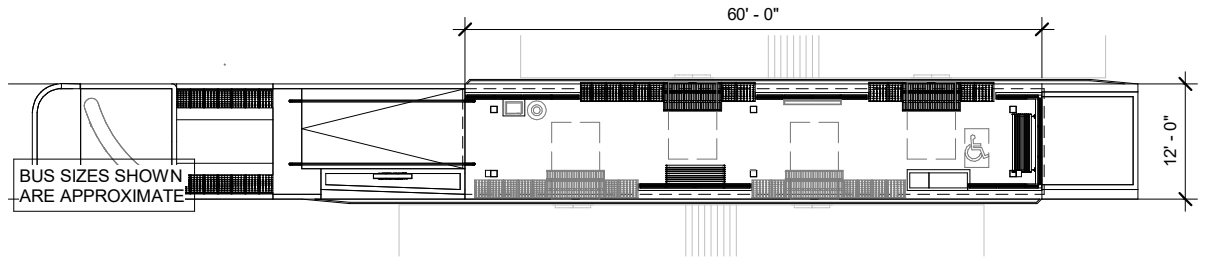


60631225P

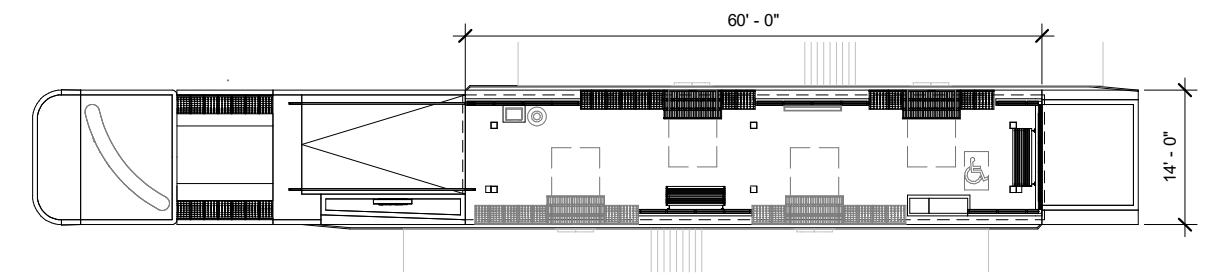
A101

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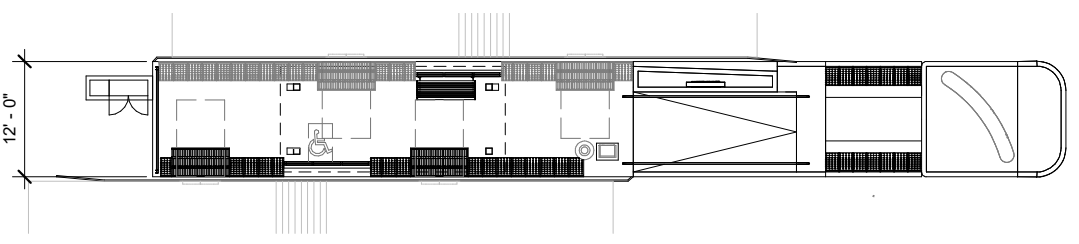
Designed By: \_\_\_\_\_ Date: 2022-03-08 Scale: ---



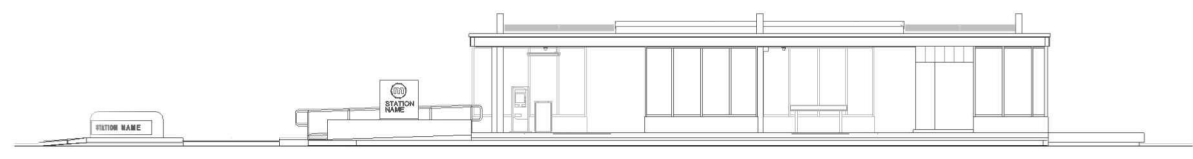
2  
**TYPE B2**  
Scale: 1" = 20'-0"



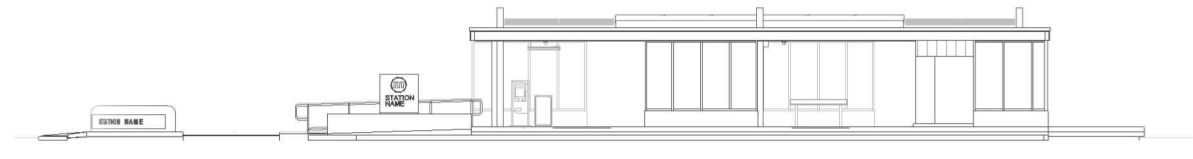
4  
**TYPE B4**  
Scale: 1" = 20'-0"



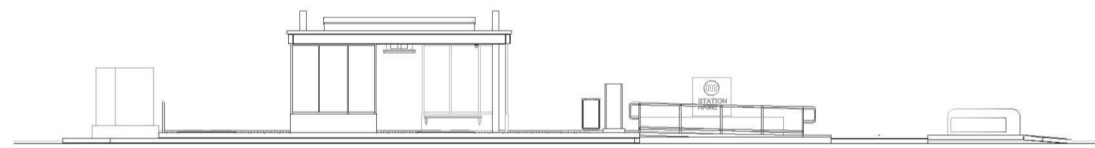
5  
**TYPE C**  
Scale: 1" = 20'-0"



8  
**ELEVATION 01 - TYPE B2**  
Scale: 1" = 20'-0"



10  
**ELEVATION 01 - TYPE B4**  
Scale: 1" = 20'-0"



6  
**ELEVATION 01 - TYPE C**  
Scale: 1" = 20'-0"

PLATFORM TYPE - B1  
CENTER  
ENTRY LEFT

PLATFORM SIZE: 60'-0"L x 12'-0"W  
CANOPY SIZE: 60'-6"L x 11'-0"W

PLATFORM TYPE - B2  
CENTER  
ENTRY LEFT

PLATFORM SIZE: 60'-0"L x 14'-0"W  
CANOPY SIZE: 60'-6"L x 13'-0"W

PLATFORM TYPE - C  
CENTER REDUCED  
ENTRY RIGHT

PLATFORM SIZE: 50'-0"L x 12'-0"W  
CANOPY SIZE: 23'-5"L x 11'-0"W

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CITY OF MADISON, DANE COUNTY, WI  
CONTRACT NO: 60631225C

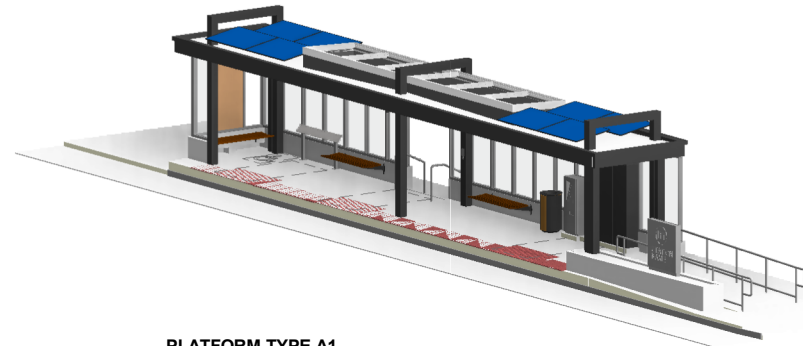
OVERALL STATION TYPE B & C  
BUS RAPID TRANSIT  
CITY OF MADISON



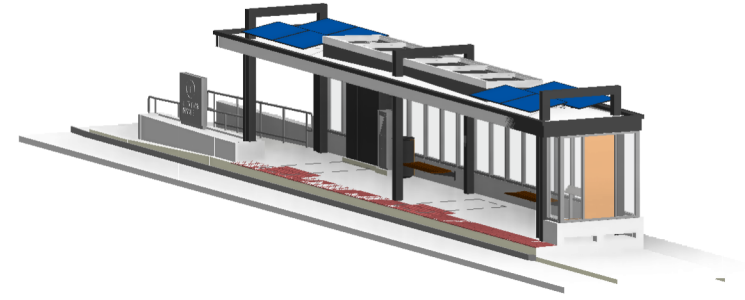
60631225P

A102

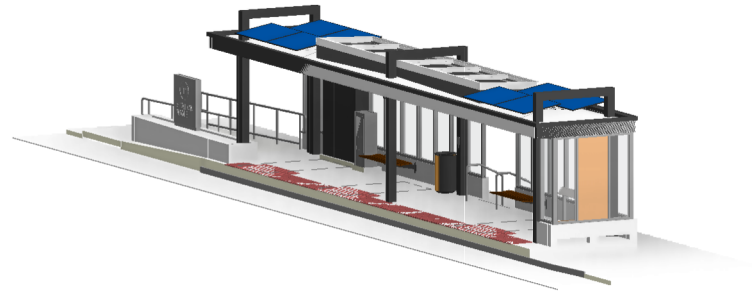




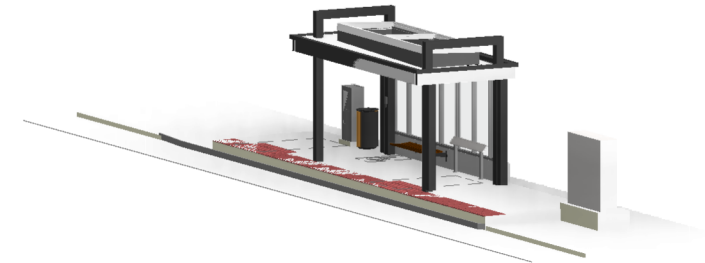
PLATFORM TYPE A1



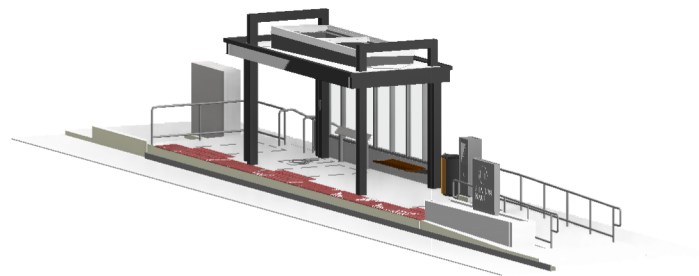
PLATFORM TYPE A5



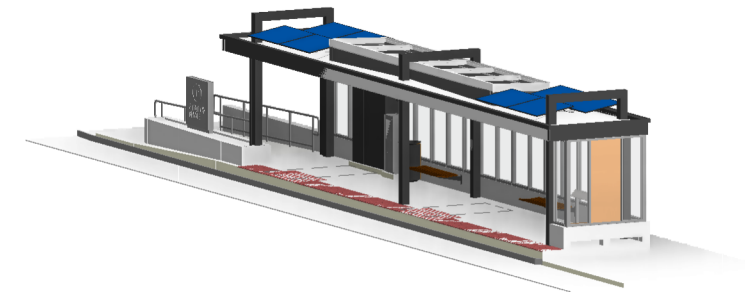
PLATFORM TYPE A2



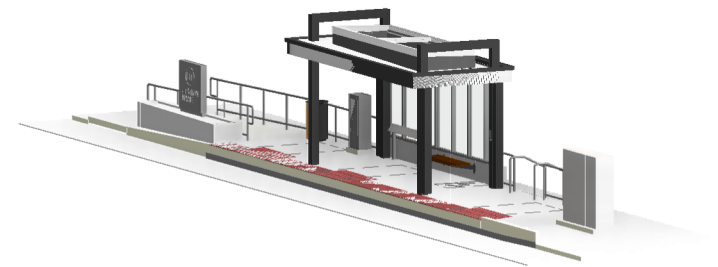
PLATFORM TYPE A6



PLATFORM TYPE A3



PLATFORM TYPE A7



PLATFORM TYPE A4

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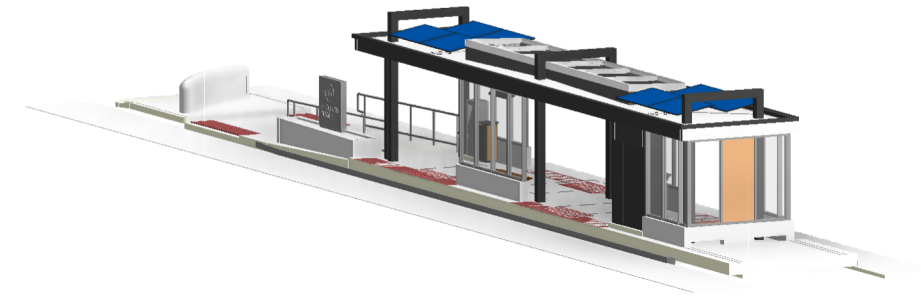
60631225P  
 CITY OF MADISON, DANE COUNTY, WI  
 CONTRACT NO: 60631225C

OVERALL PLATFORM 3D VIEWS TYPE A  
 BUS RAPID TRANSIT  
 CITY OF MADISON

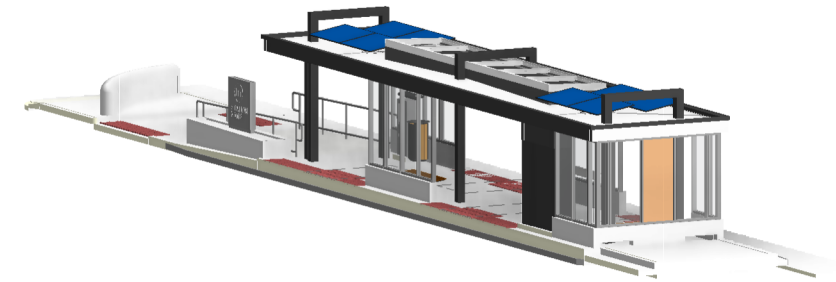


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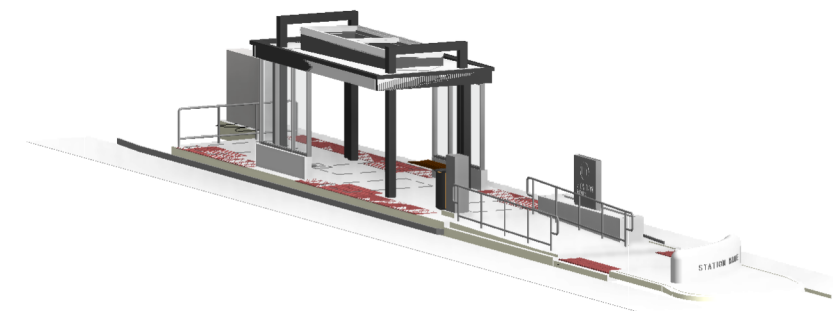
A103



PLATFORM TYPE B1



PLATFORM TYPE B2



PLATFORM TYPE C



60631225P

A104

OVERALL PLATFORM 3D VIEWS TYPE B & C

BUS RAPID TRANSIT  
CITY OF MADISON

60631225P  
CITY OF MADISON, DANE COUNTY, WI  
CONTRACT NO: 60631225C

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REVISION

Date: 2022-03-08

Designed By:

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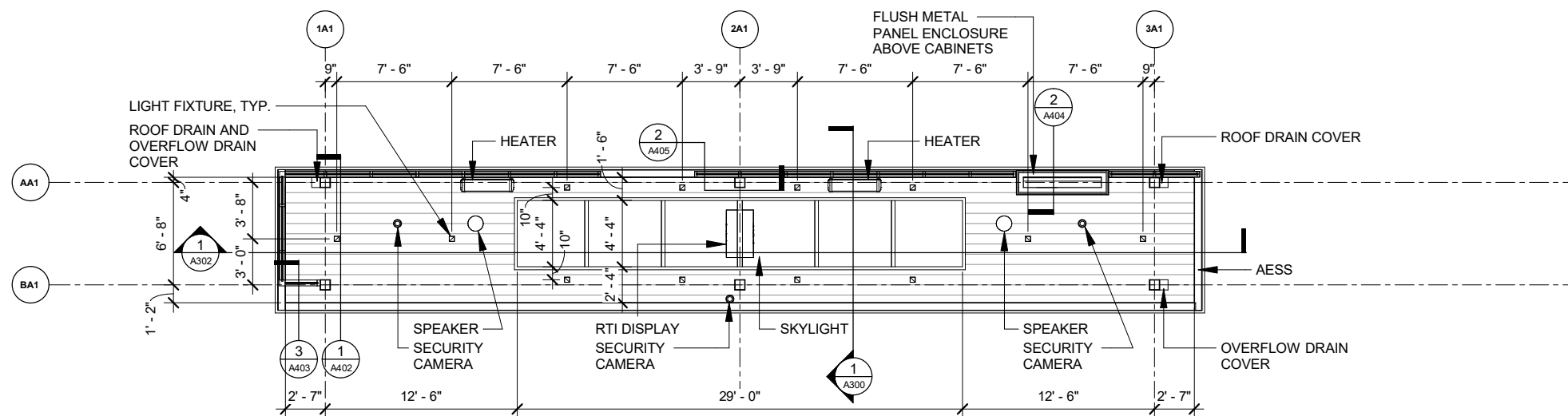
**PLAN GRAPHIC SYMBOL LEGEND**



ACCESSIBLE WAITING AREA - 30" X 48"

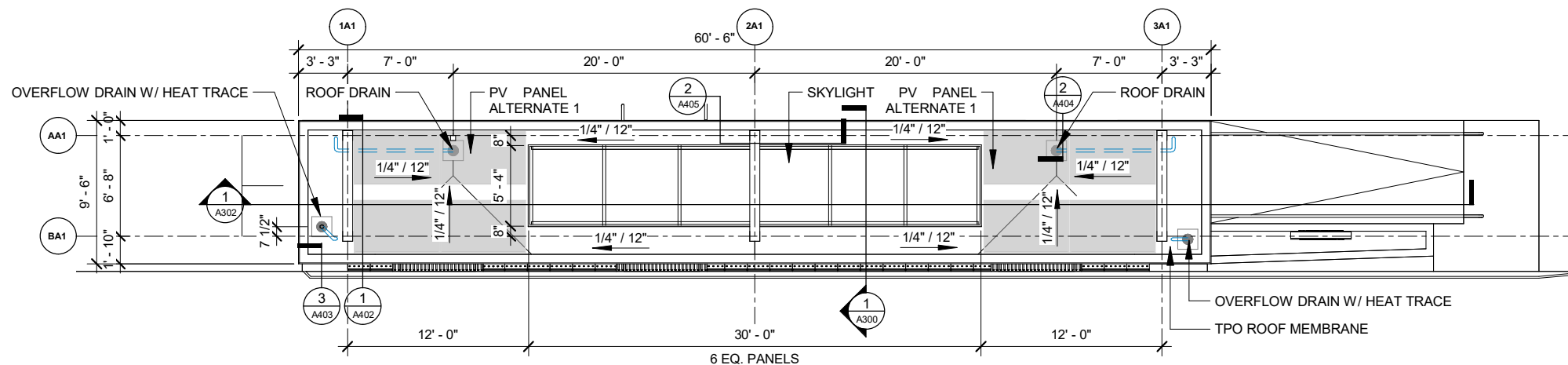


BOARDING/ALIGHTING ZONE - 60" X 96"



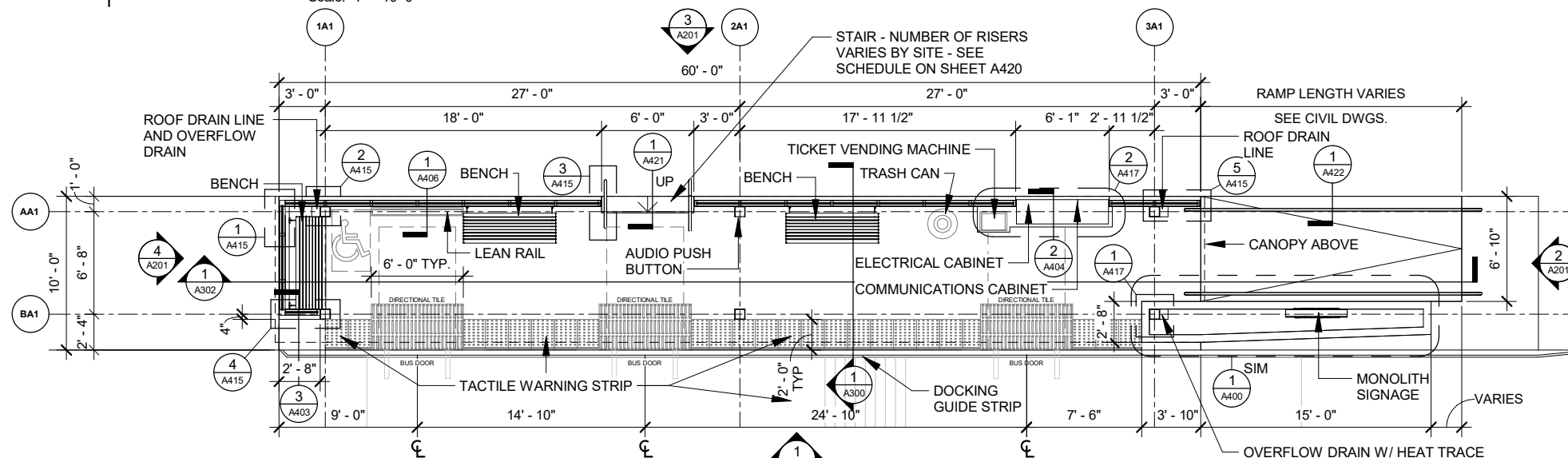
**3 CEILING PLAN - PLATFORM TYPE A1**

Scale: 1" = 10'-0"



**2 ROOF PLAN - PLATFORM TYPE A1**

Scale: 1" = 10'-0"



**1 FLOOR PLAN - PLATFORM TYPE A1**

Scale: 1" = 10'-0"

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CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

PLATFORM TYPE A1

BUS RAPID TRANSIT

CITY OF MADISON



60631225P

A110

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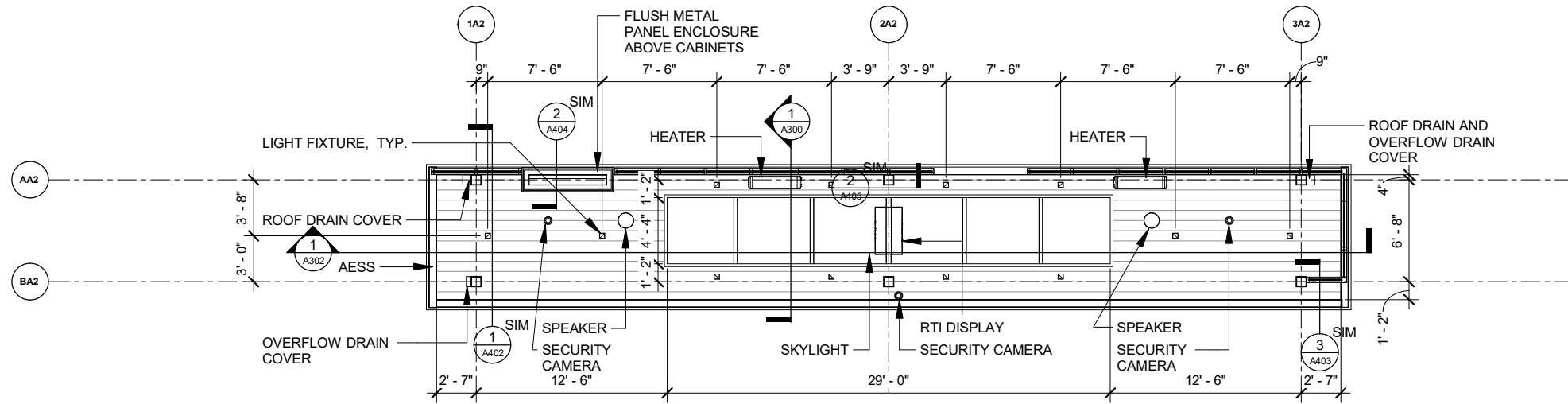
**PLAN GRAPHIC SYMBOL LEGEND**



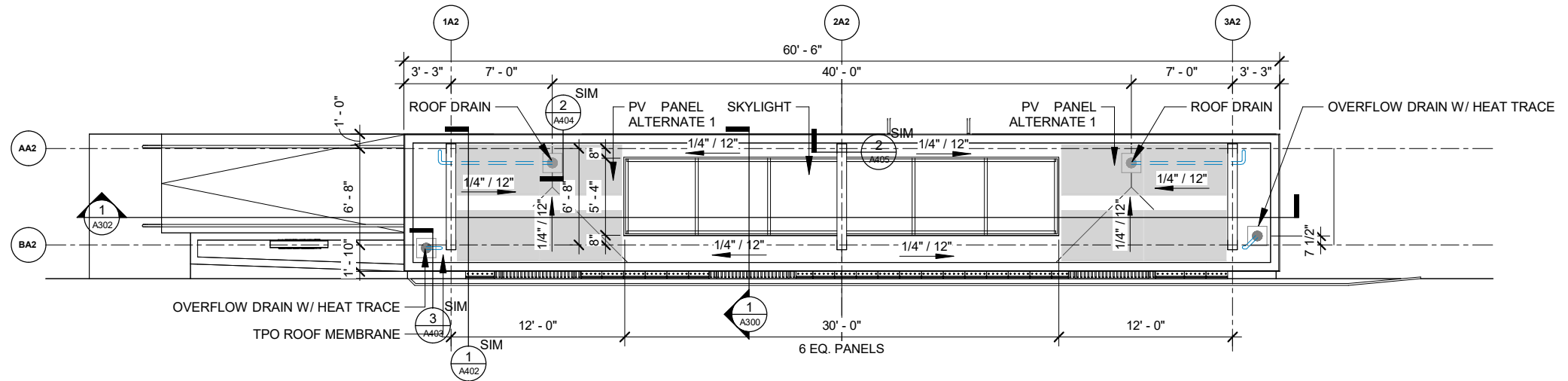
ACCESSIBLE WAITING AREA - 30" X 48"



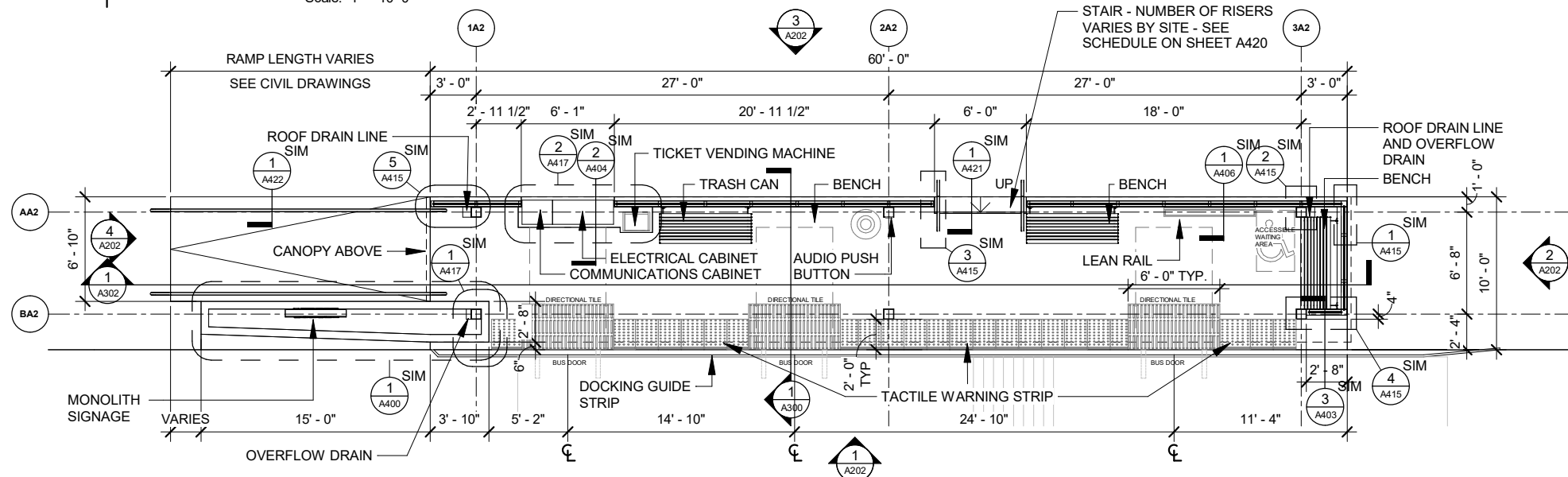
BOARDING/ALIGHTING ZONE - 60" X 96"



3 | **CEILING PLAN - PLATFORM TYPE A2**  
Scale: 1" = 10'-0"



2 | **ROOF PLAN - PLATFORM TYPE A2**  
Scale: 1" = 10'-0"



1 | **FLOOR PLAN - PLATFORM TYPE A2**  
Scale: 1" = 10'-0"

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CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

PLATFORM TYPE A2  
BUS RAPID TRANSIT  
CITY OF MADISON



60631225P

A111

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Designed By: \_\_\_\_\_  
Date: 2022-03-08  
Scale: 1" = 10'-0"

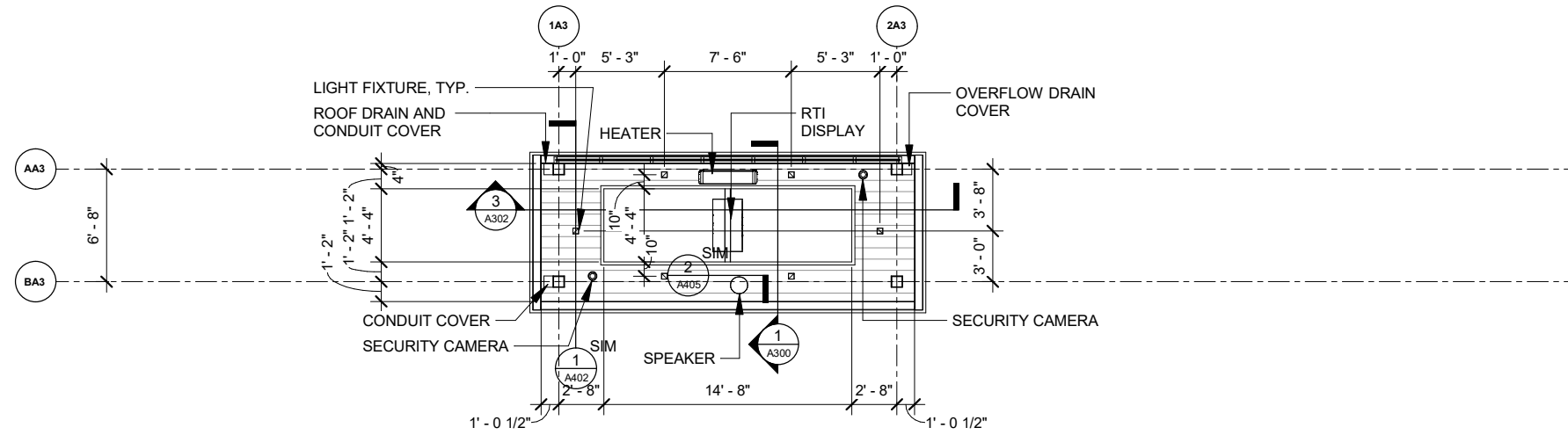
**PLAN GRAPHIC SYMBOL LEGEND**



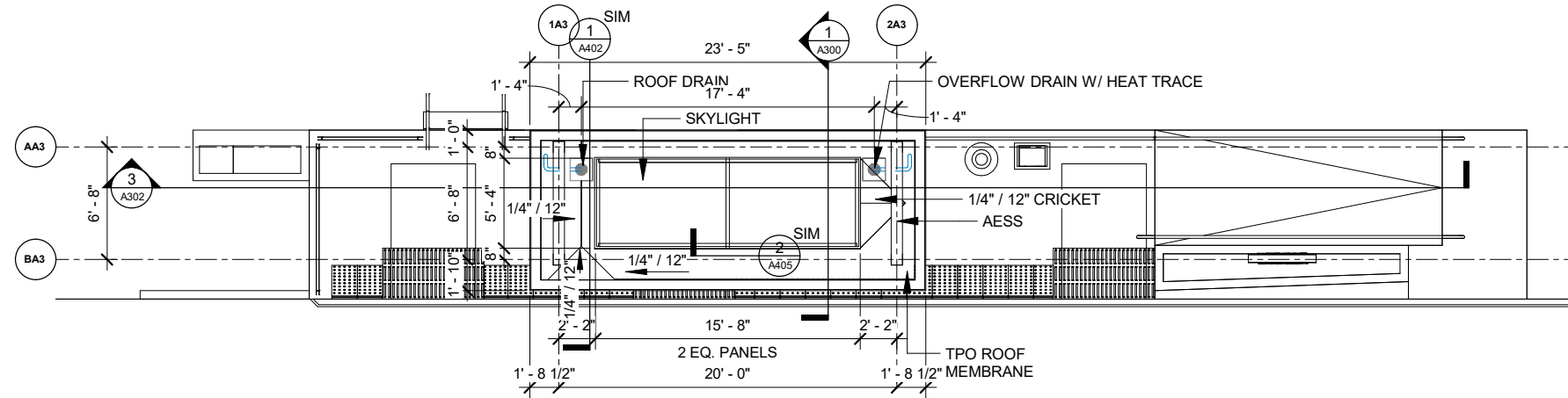
ACCESSIBLE WAITING AREA -  
30" X 48"



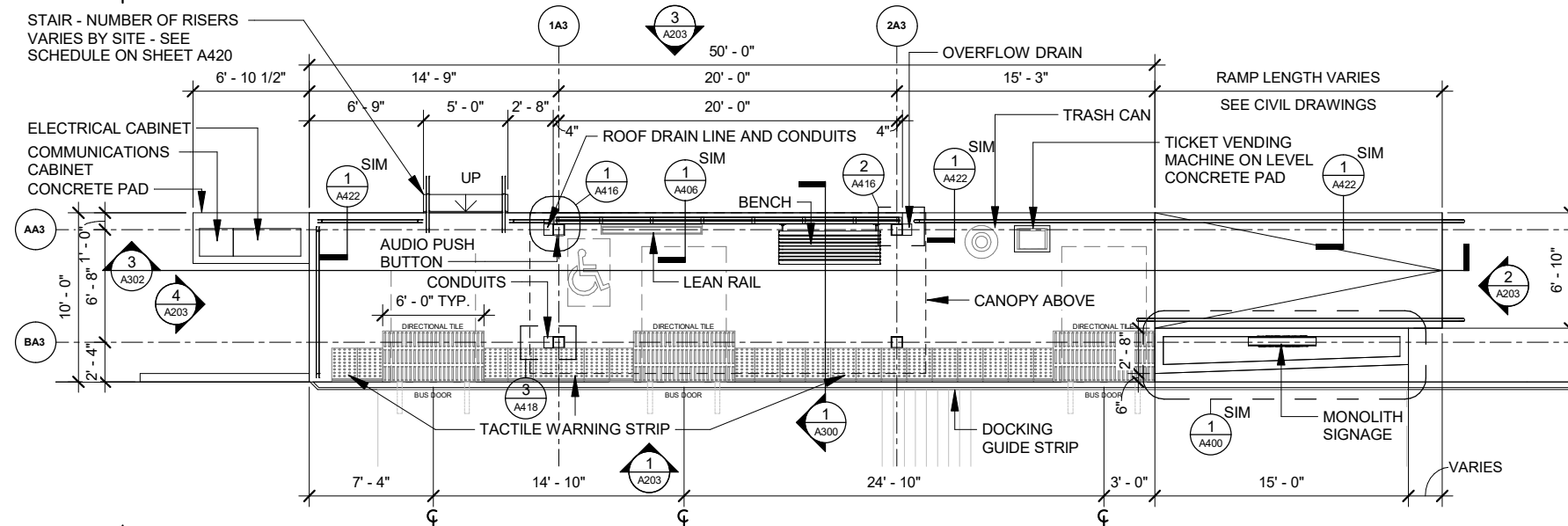
BOARDING/ALIGHTING  
ZONE - 60" X 96"



3 | **CEILING PLAN - PLATFORM TYPE A3**  
Scale: 1" = 10'-0"



2 | **ROOF PLAN - PLATFORM TYPE A3**  
Scale: 1" = 10'-0"



1 | **FLOOR PLAN - PLATFORM TYPE A3**  
Scale: 1" = 10'-0"

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CITY OF MADISON, DANE COUNTY, WI  
CONTRACT NO: 60631225C

PLATFORM TYPE A3  
BUS RAPID TRANSIT  
CITY OF MADISON



60631225P  
A112

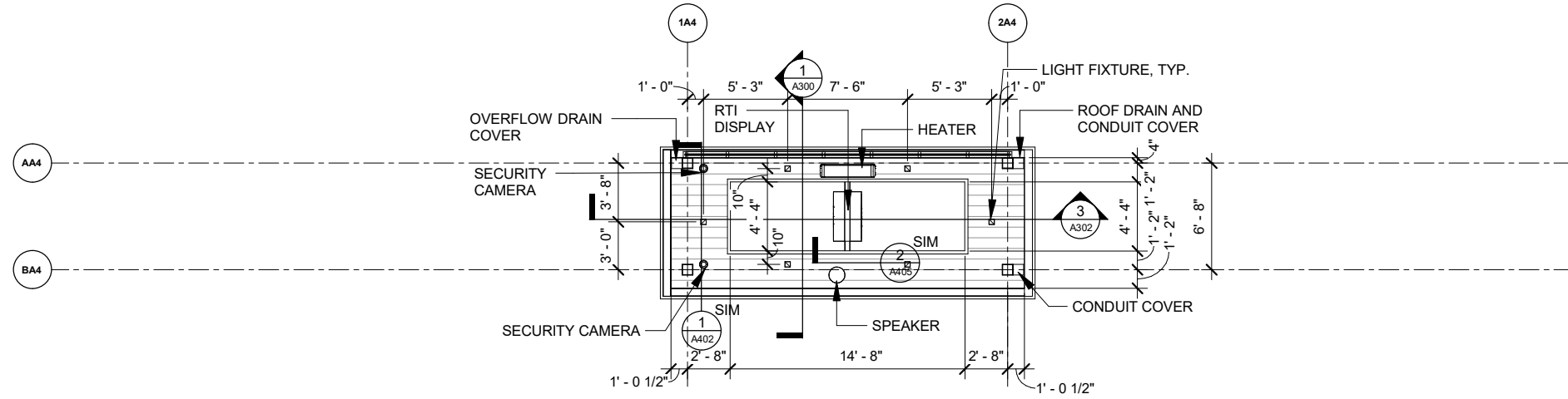
**PLAN GRAPHIC SYMBOL LEGEND**



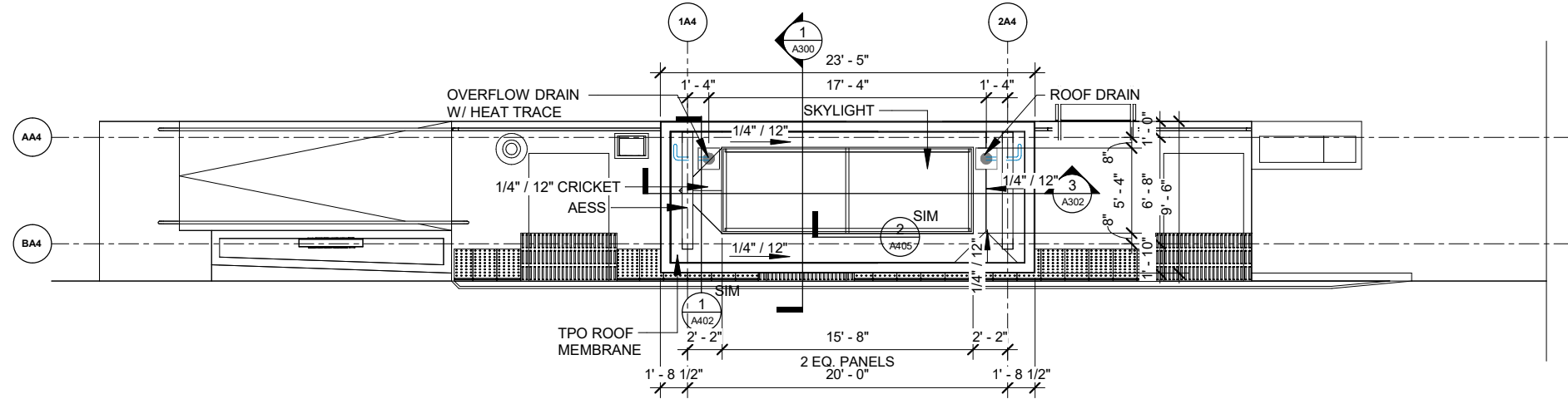
ACCESSIBLE WAITING AREA -  
30" X 48"



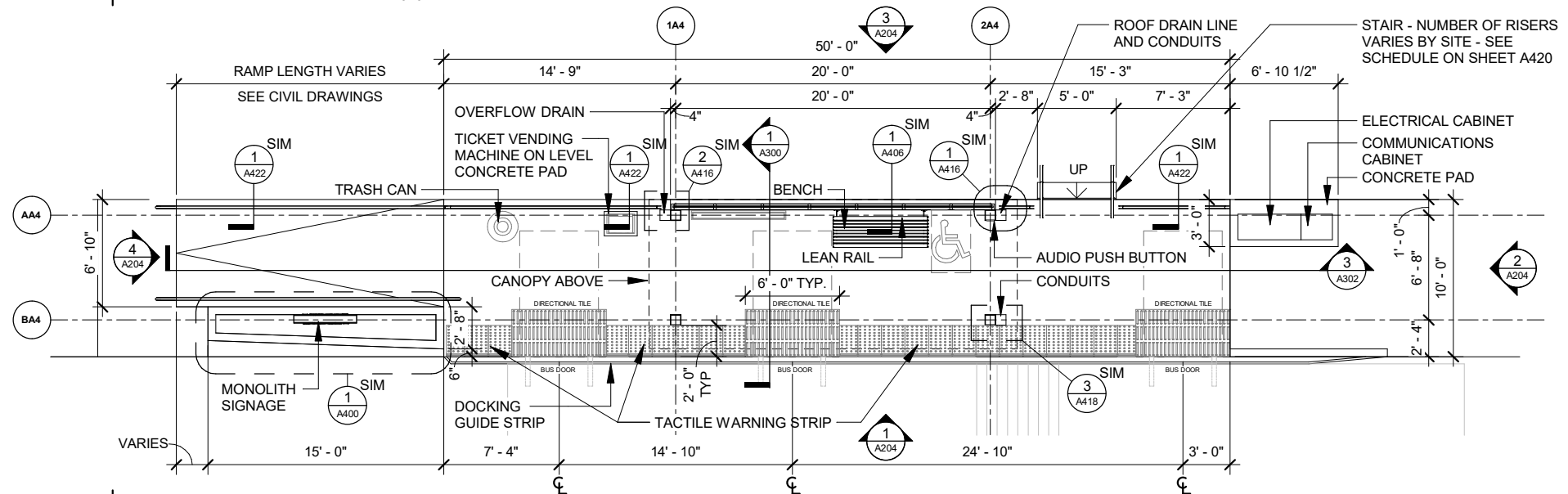
BOARDING/ALIGHTING  
ZONE - 60" X 96"



**3** | **CEILING PLAN - PLATFORM TYPE A4**  
Scale: 1" = 10'-0"



**2** | **ROOF PLAN - PLATFORM TYPE A4**  
Scale: 1" = 10'-0"



**1** | **FLOOR PLAN - PLATFORM TYPE A4**  
Scale: 1" = 10'-0"

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CITY OF MADISON, DANE COUNTY, WI  
CONTRACT NO: 60631225C

PLATFORM TYPE A4  
BUS RAPID TRANSIT  
CITY OF MADISON



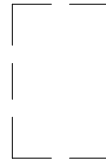
60631225P  
A113



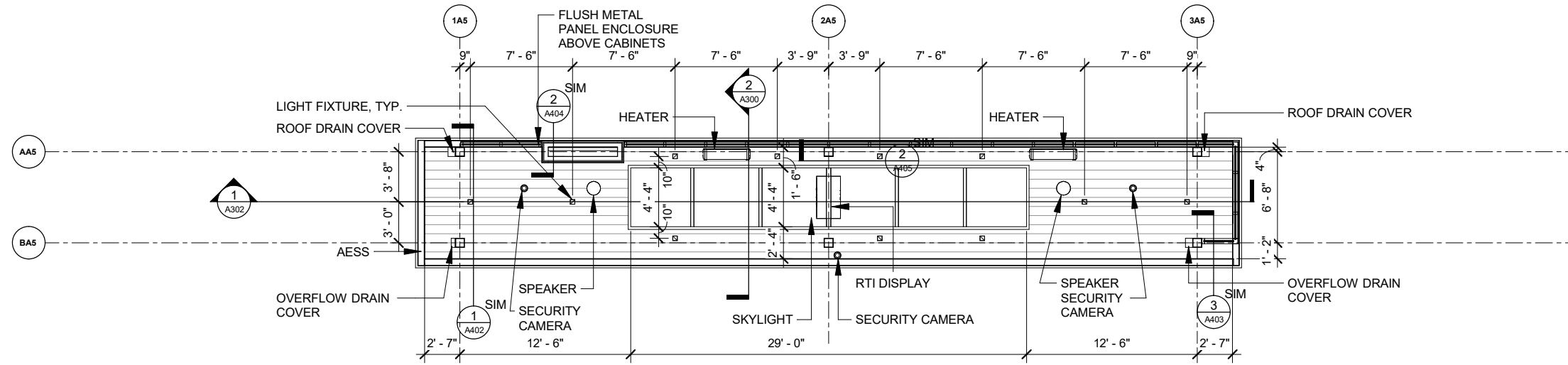
**PLAN GRAPHIC SYMBOL LEGEND**



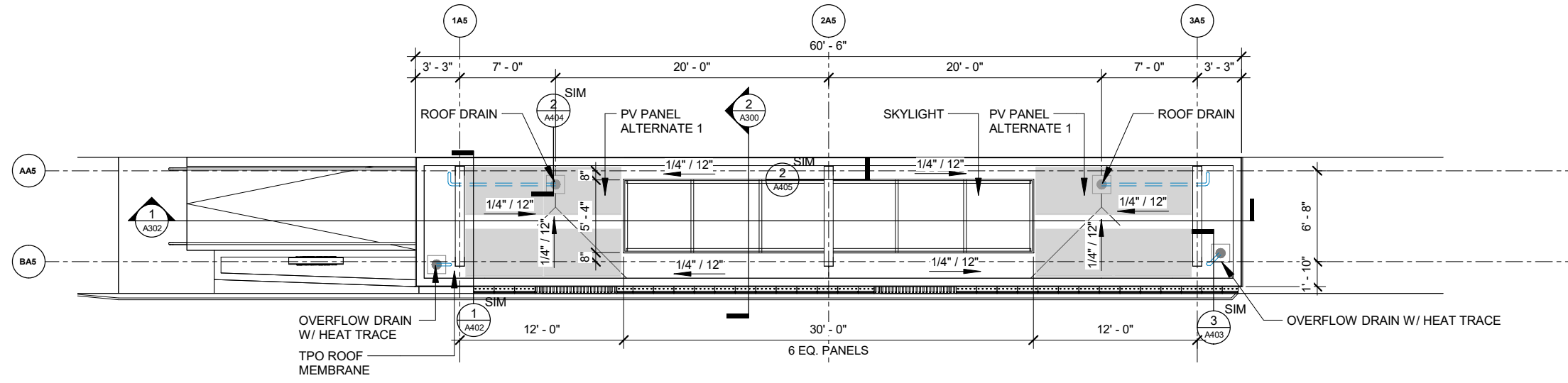
ACCESSIBLE WAITING AREA - 30" X 48"



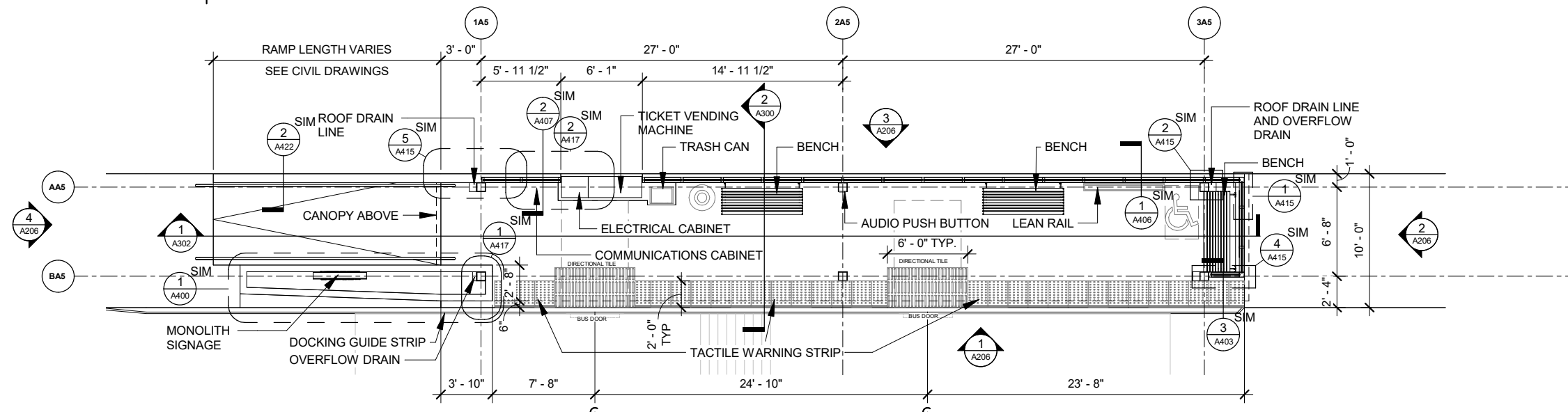
BOARDING/ALIGHTING ZONE - 60" X 96"



**3 CEILING PLAN - PLATFORM TYPE A5**  
 Scale: 1" = 10'-0"



**2 ROOF PLAN - PLATFORM TYPE A5**  
 Scale: 1" = 10'-0"



**1 FLOOR PLAN - PLATFORM TYPE A5**  
 Scale: 1" = 10'-0"

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 CITY OF MADISON, DANE COUNTY, WI  
 CONTRACT NO: 60631225C

PLATFORM TYPE A5  
 BUS RAPID TRANSIT  
 CITY OF MADISON



60631225P  
 A115

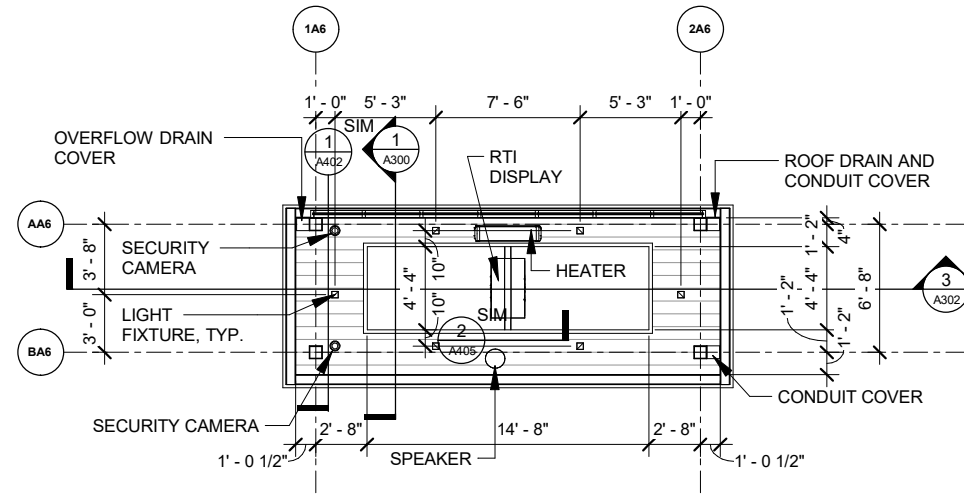
**PLAN GRAPHIC SYMBOL LEGEND**



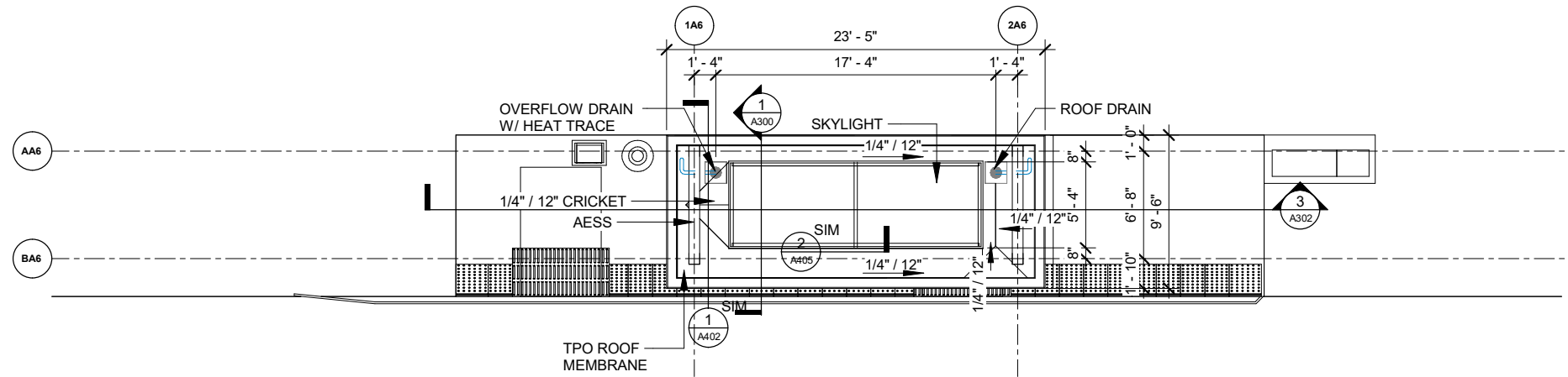
ACCESSIBLE WAITING AREA -  
30" X 48"



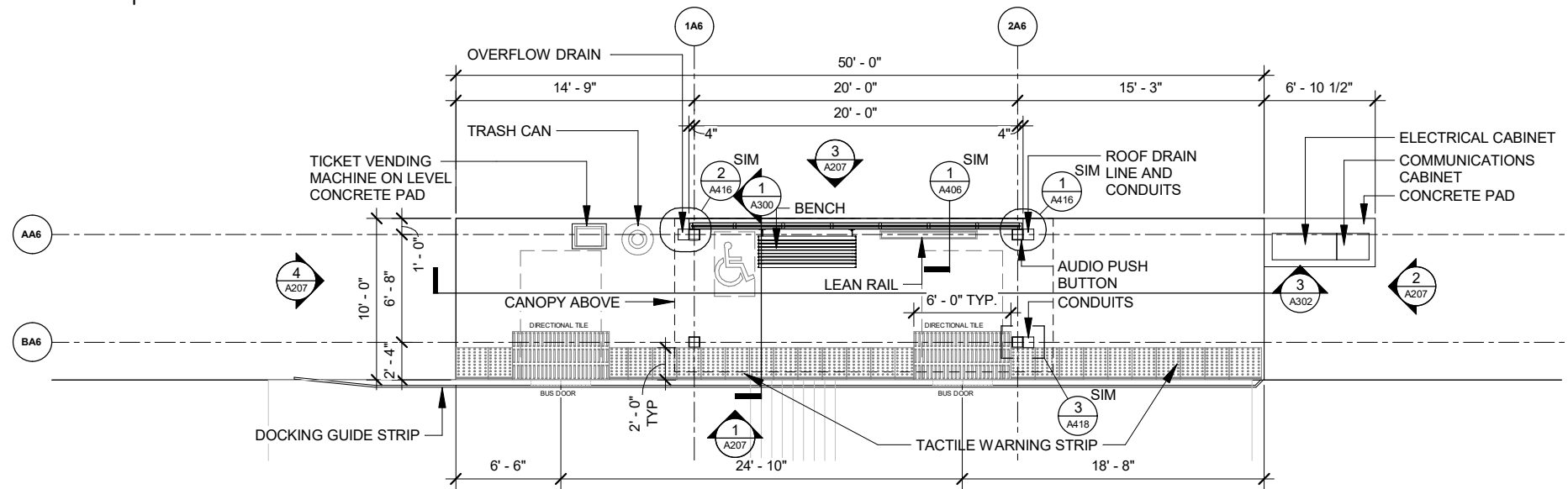
BOARDING/ALIGHTING  
ZONE - 60" X 96"



3 | **CEILING PLAN - PLATFORM TYPE A6**  
Scale: 1" = 10'-0"



2 | **ROOF PLAN - PLATFORM TYPE A6**  
Scale: 1" = 10'-0"



1 | **ROOF PLAN - PLATFORM TYPE A6**  
Scale: 1" = 10'-0"

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CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

PLATFORM TYPE A6

BUS RAPID TRANSIT

CITY OF MADISON



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A116

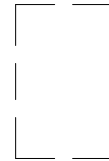
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Date: 2022-03-08  
Scale: ---

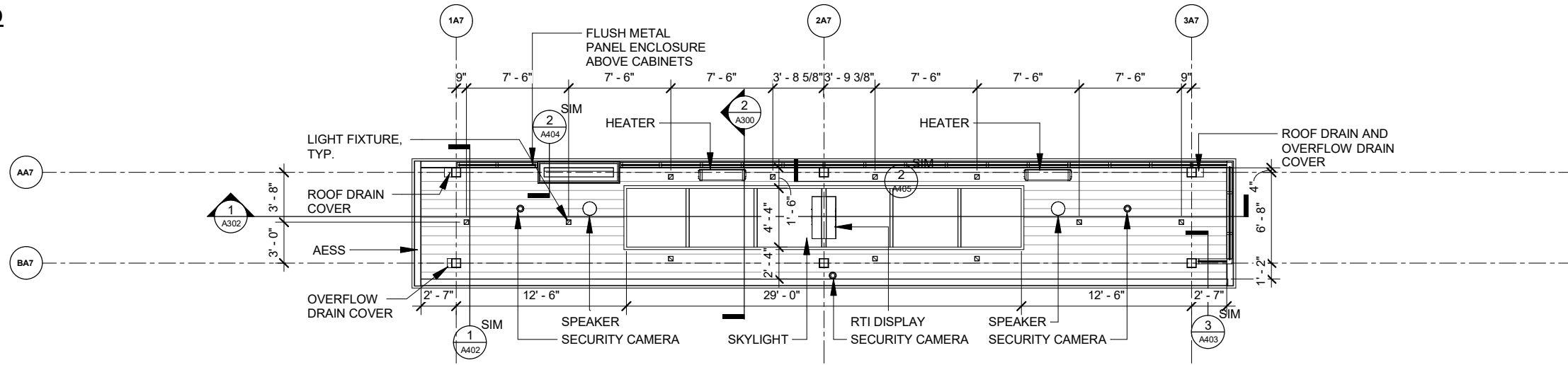
**PLAN GRAPHIC SYMBOL LEGEND**



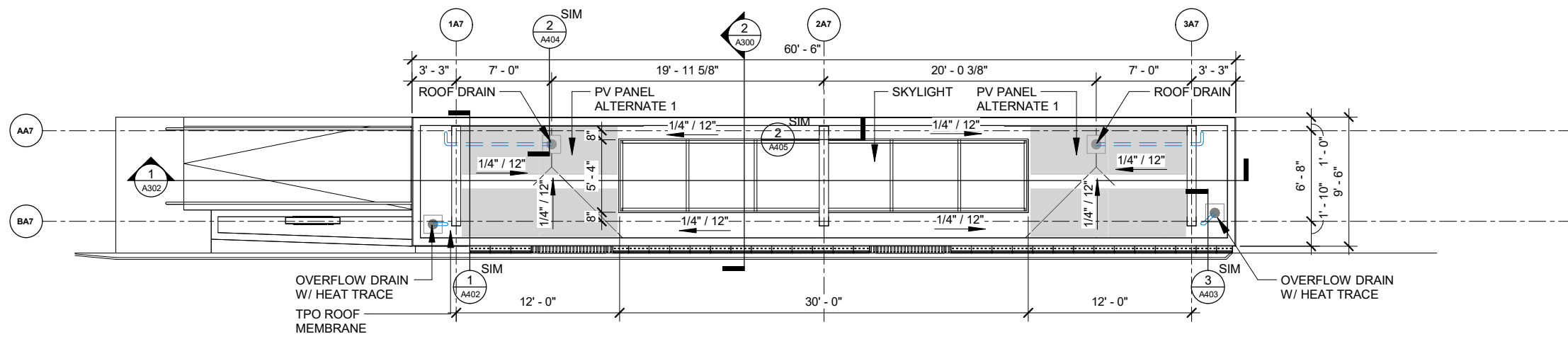
ACCESSIBLE WAITING AREA -  
30" X 48"



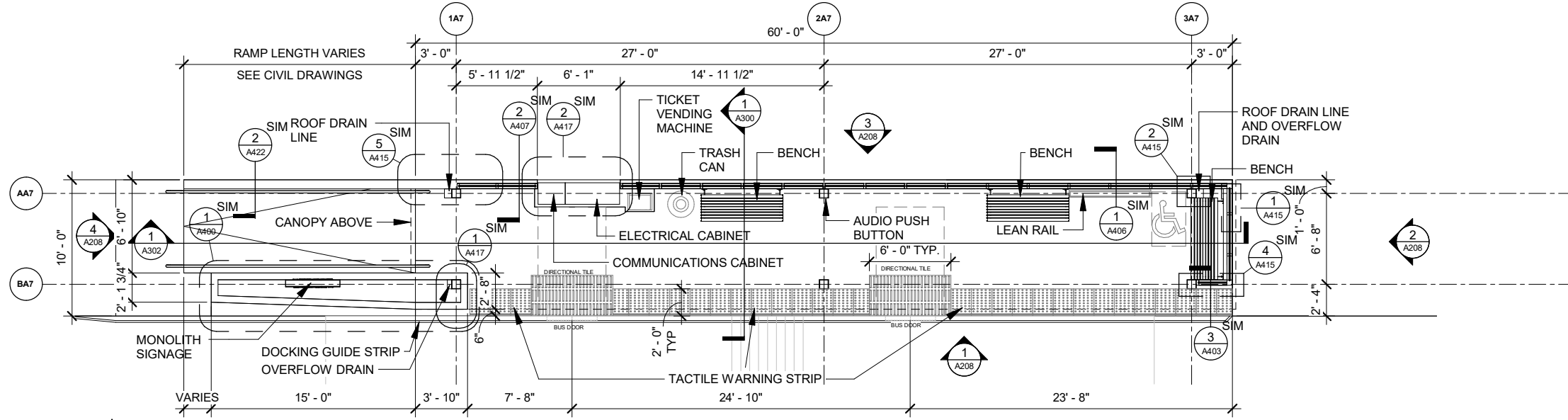
BOARDING/ALIGHTING  
ZONE - 60" X 96"



**3 CEILING PLAN - PLATFORM TYPE A7**  
Scale: 1" = 10'-0"



**2 ROOF PLAN - PLATFORM TYPE A7**  
Scale: 1" = 10'-0"



**1 FLOOR PLAN - PLATFORM TYPE A7**  
Scale: 1" = 10'-0"

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60631225P  
CITY OF MADISON, DANE COUNTY, WI  
CONTRACT NO: 60631225C

PLATFORM TYPE A7  
BUS RAPID TRANSIT  
CITY OF MADISON

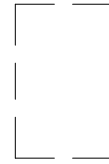


60631225P  
A117

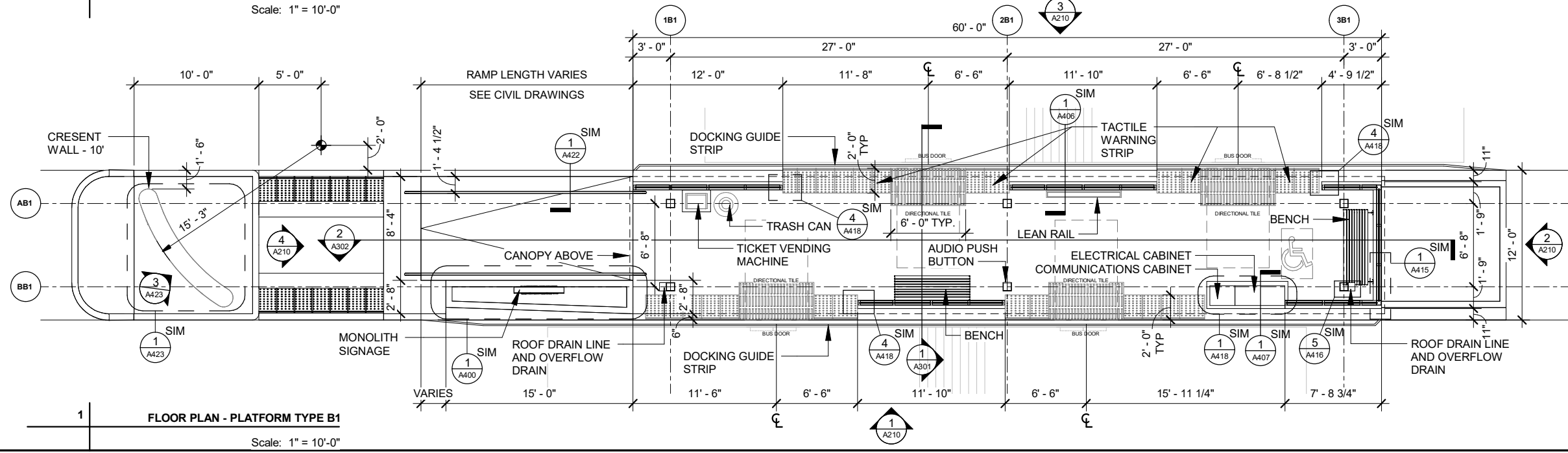
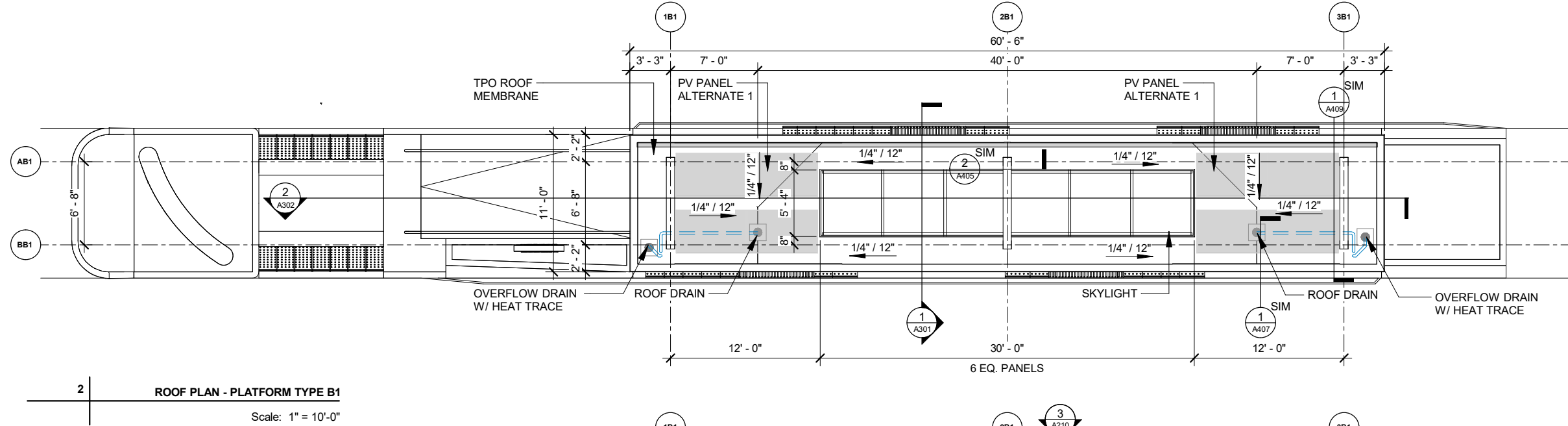
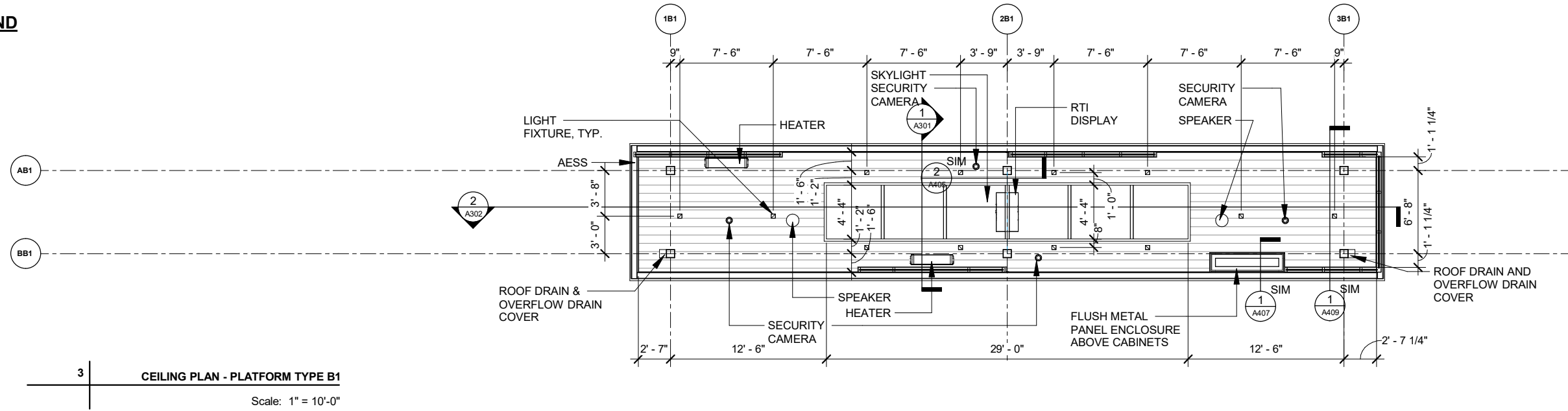
**PLAN GRAPHIC SYMBOL LEGEND**



ACCESSIBLE WAITING AREA - 30" X 48"



BOARDING/ALIGHTING ZONE - 60" X 96"



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60631225P  
CITY OF MADISON, DANE COUNTY, WI  
CONTRACT NO: 60631225C

PLATFORM TYPE B1  
BUS RAPID TRANSIT  
CITY OF MADISON



60631225P  
A119

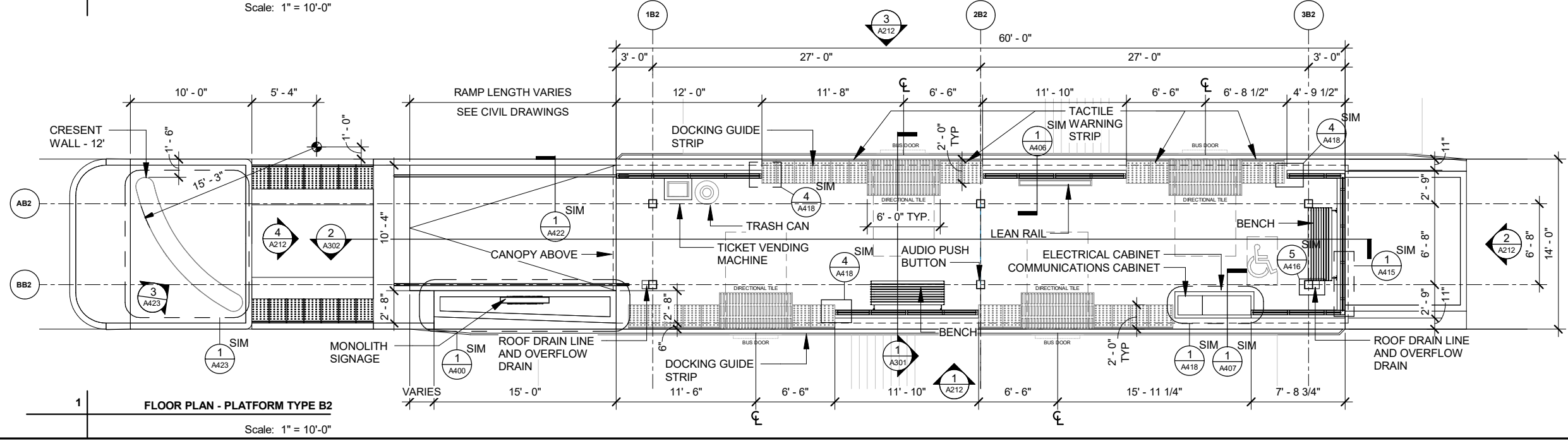
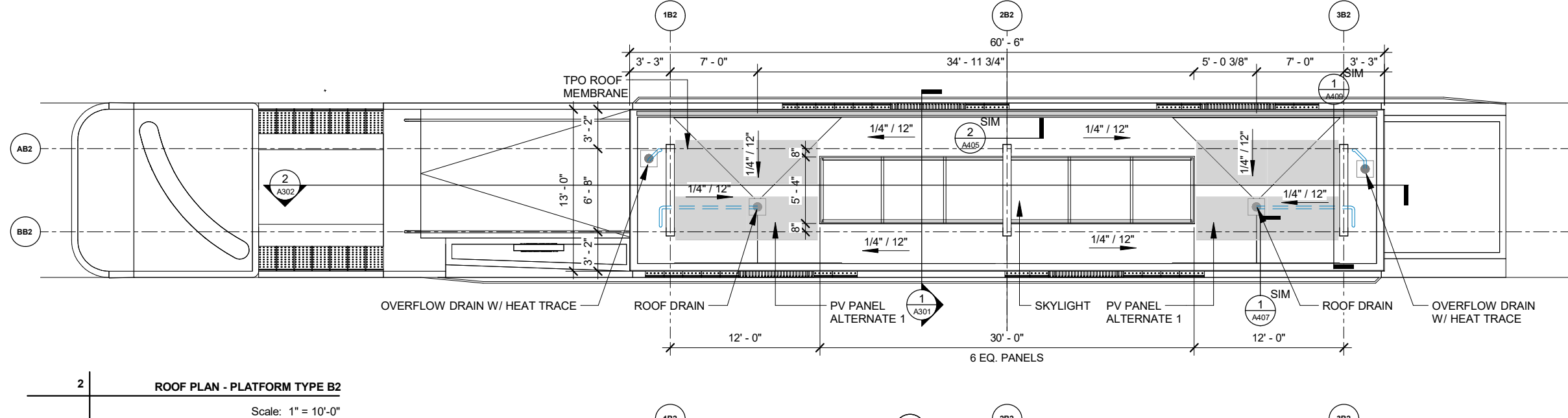
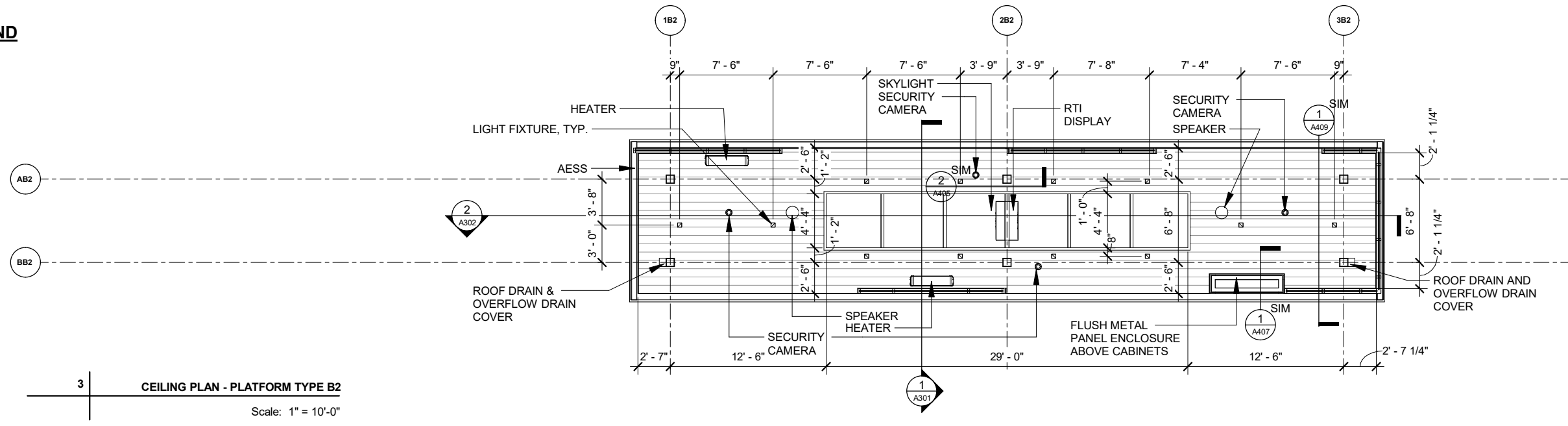
**PLAN GRAPHIC SYMBOL LEGEND**



ACCESSIBLE WAITING AREA -  
30" X 48"



BOARDING/ALIGHTING  
ZONE - 60" X 96"



| MARK | REVISION | DATE | BY |
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CITY OF MADISON, DANE COUNTY, WI  
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PLATFORM TYPE B2  
BUS RAPID TRANSIT  
CITY OF MADISON



60631225P  
A121



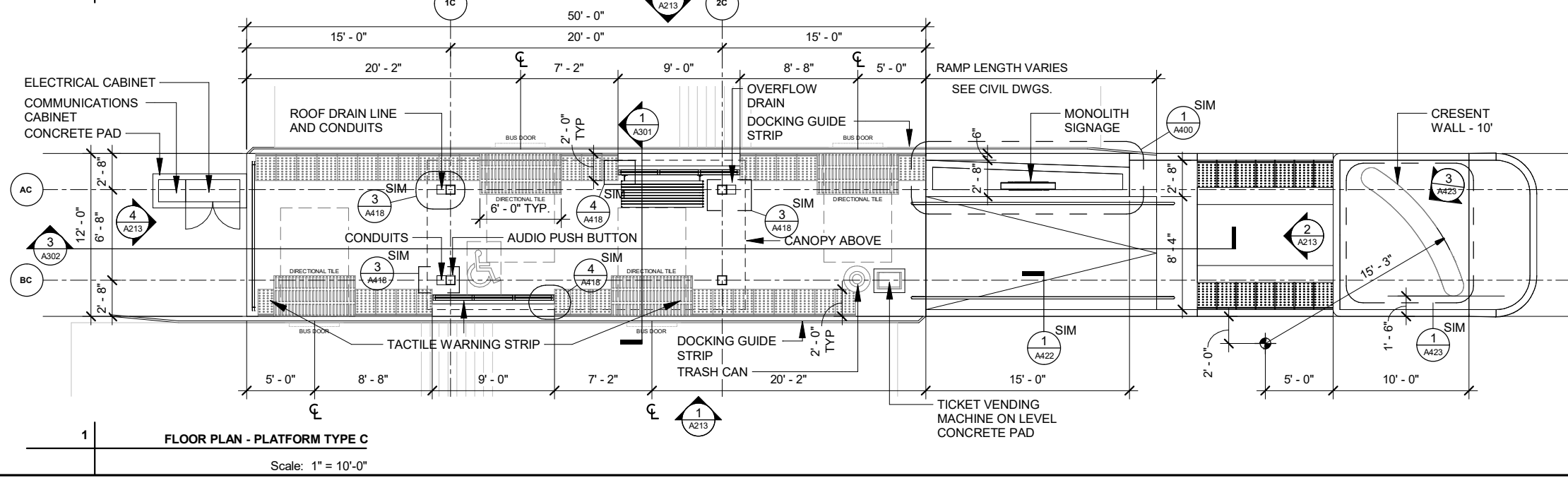
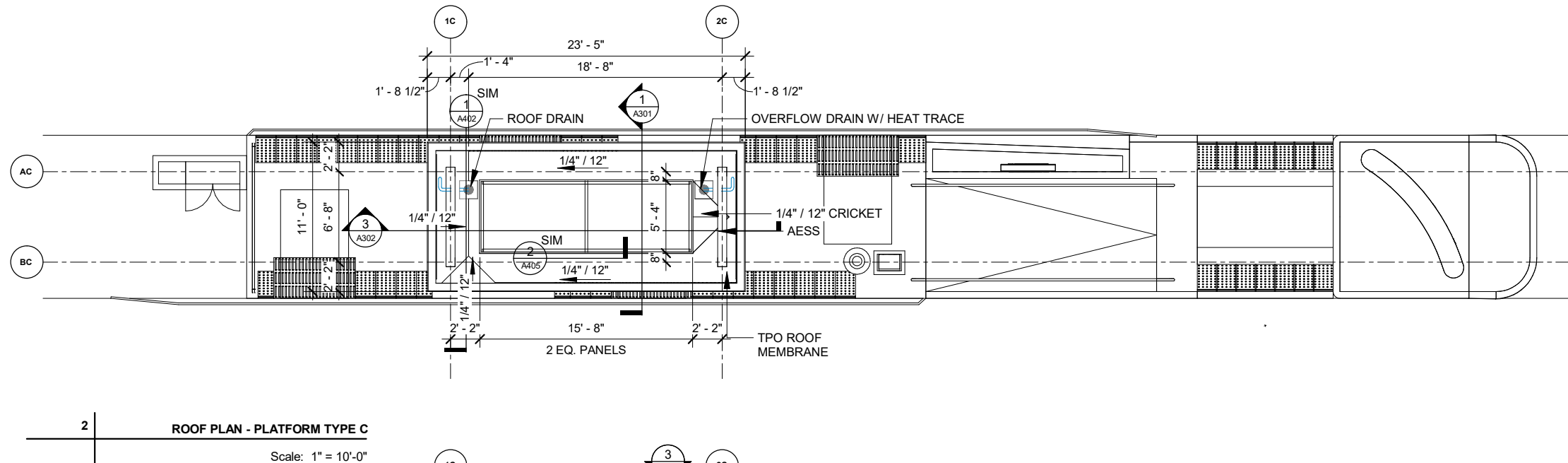
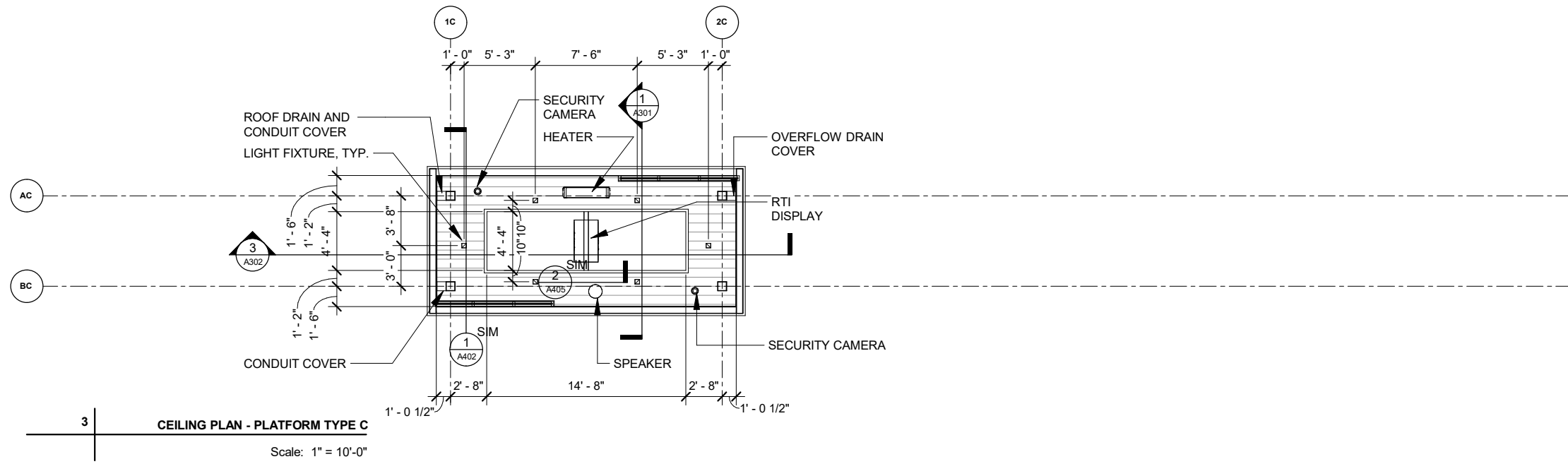
**PLAN GRAPHIC SYMBOL LEGEND**



ACCESSIBLE WAITING AREA -  
30" X 48"



BOARDING/ALIGHTING  
ZONE - 60" X 96"



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PLATFORM TYPE C  
BUS RAPID TRANSIT  
CITY OF MADISON



60631225P

A122

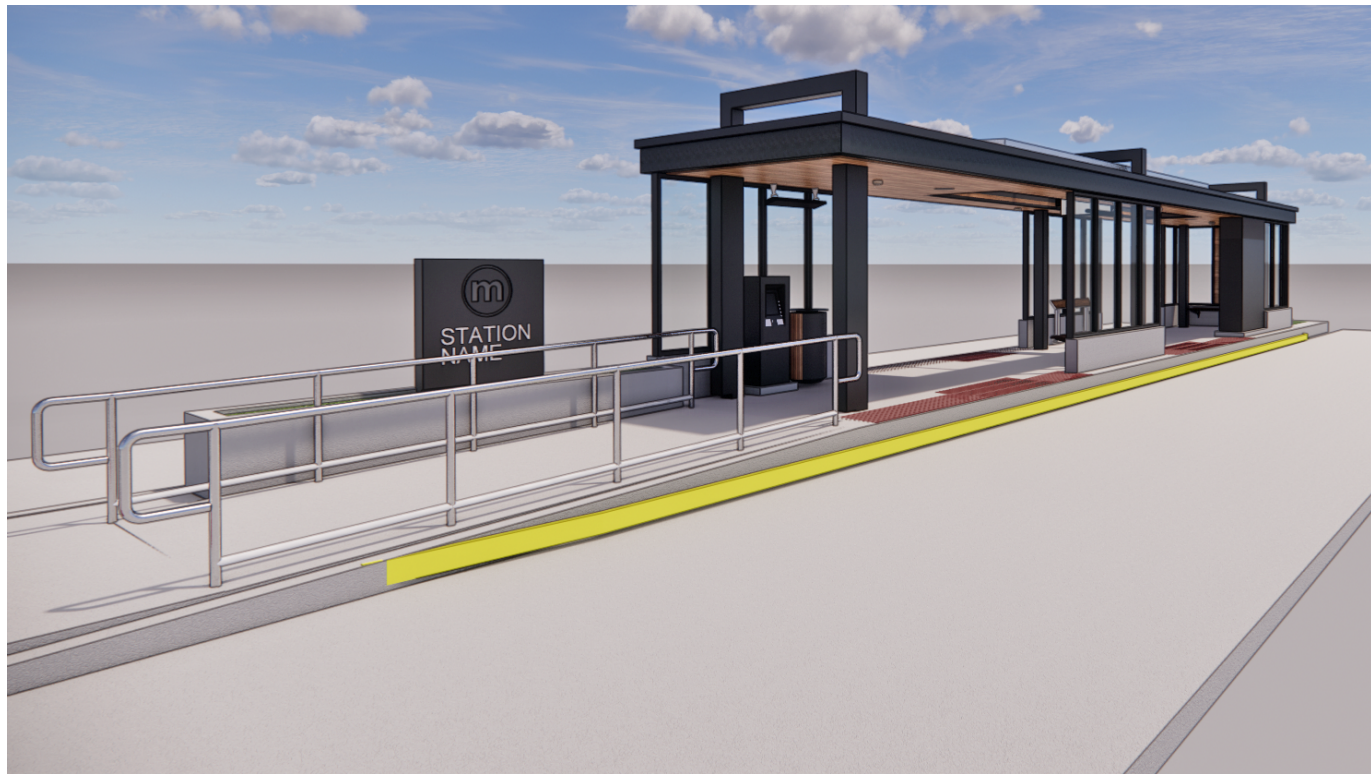




**PLATFORM A1 CURBSIDE PERSPECTIVE**



**PLATFORM A1 CURBSIDE PERSPECTIVE**



**PLATFORM B1 CENTER PERSPECTIVE**



**PLATFORM B1 CENTER PERSPECTIVE**

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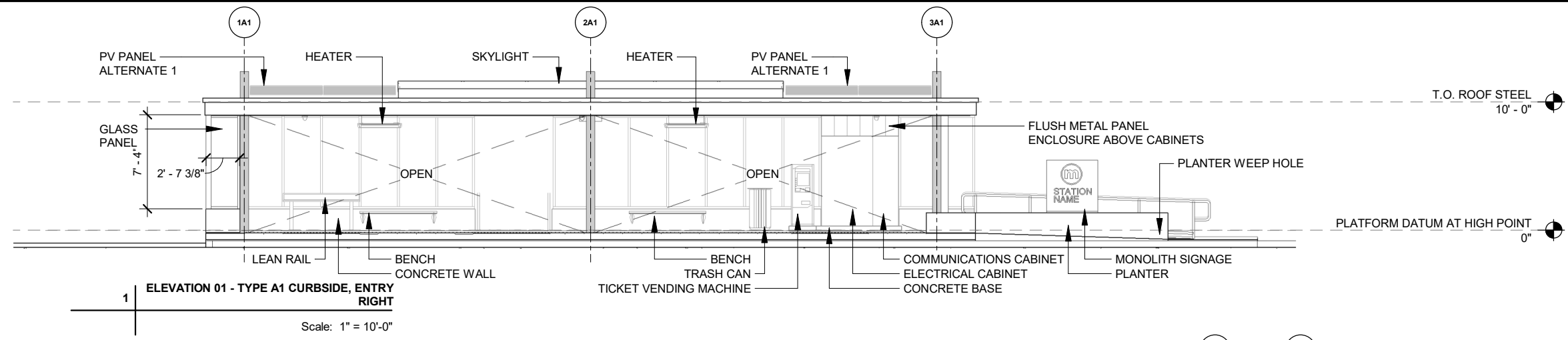
60631225P  
 CITY OF MADISON, DANE COUNTY, WI  
 CONTRACT NO: 60631225C

PLATFORM RENDERINGS  
 BUS RAPID TRANSIT  
 CITY OF MADISON

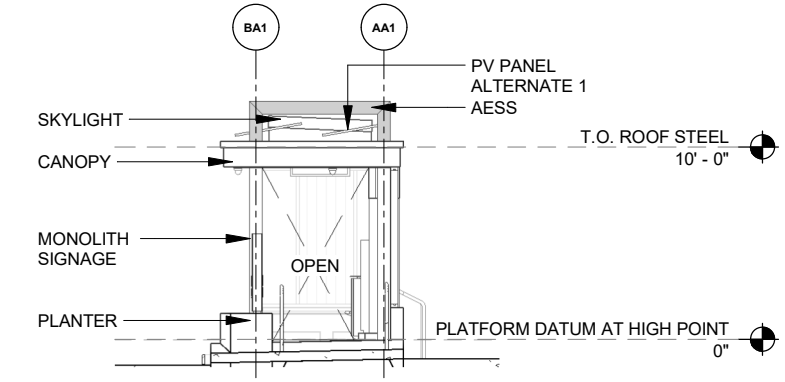


60631225P  
 A200

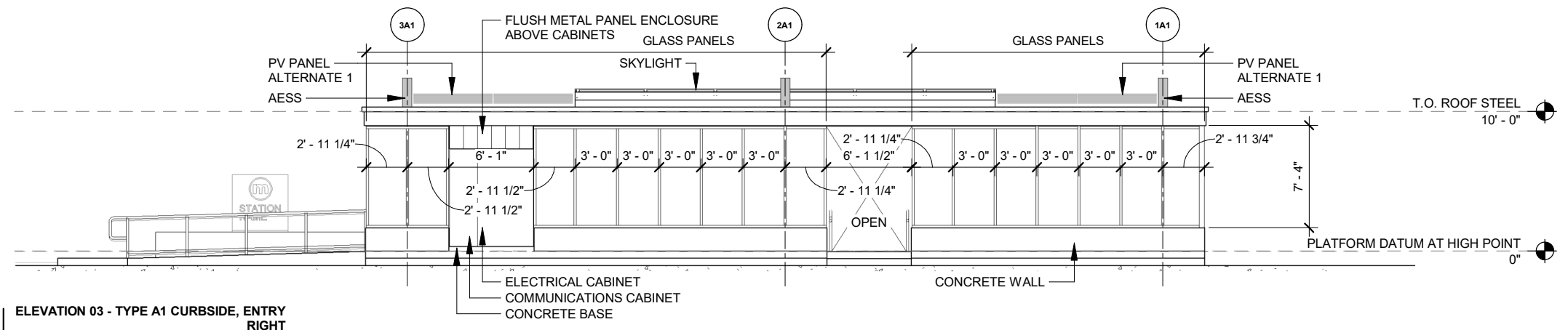




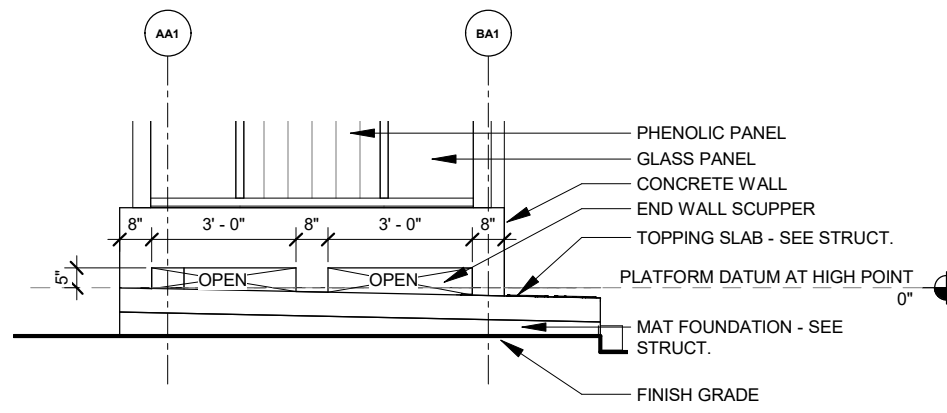
1 ELEVATION 01 - TYPE A1 CURBSIDE, ENTRY RIGHT  
Scale: 1" = 10'-0"



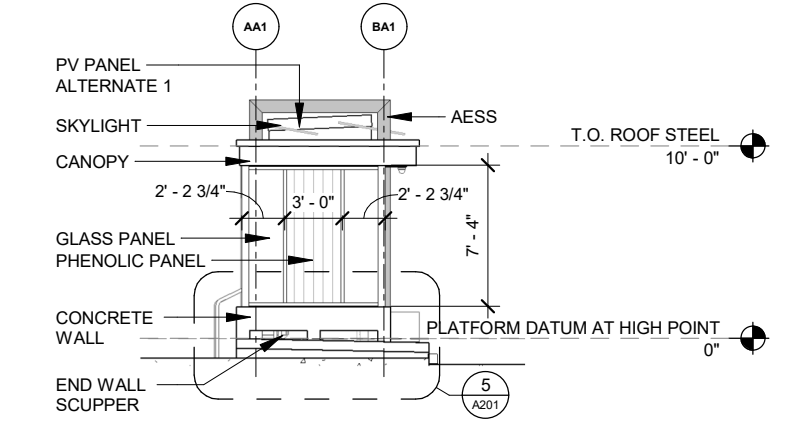
2 ELEVATION 02 - TYPE A1 CURBSIDE, ENTRY RIGHT  
Scale: 1" = 10'-0"



3 ELEVATION 03 - TYPE A1 CURBSIDE, ENTRY RIGHT  
Scale: 1" = 10'-0"



5 ELEV DETAIL - TYPE A1 END WALL SCUPPER  
Scale: 1/4" = 1'-0"



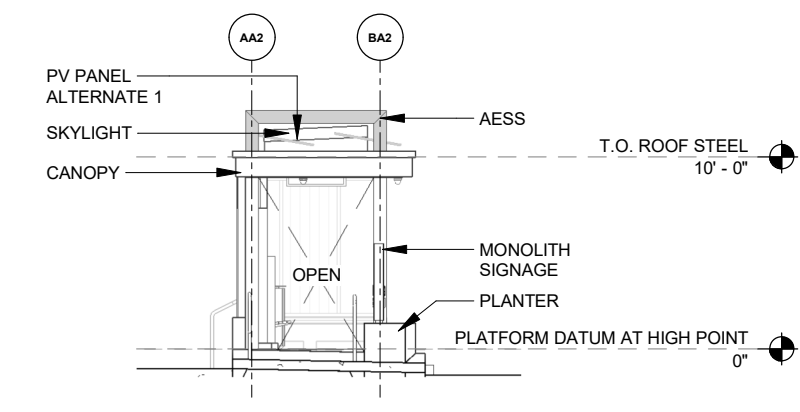
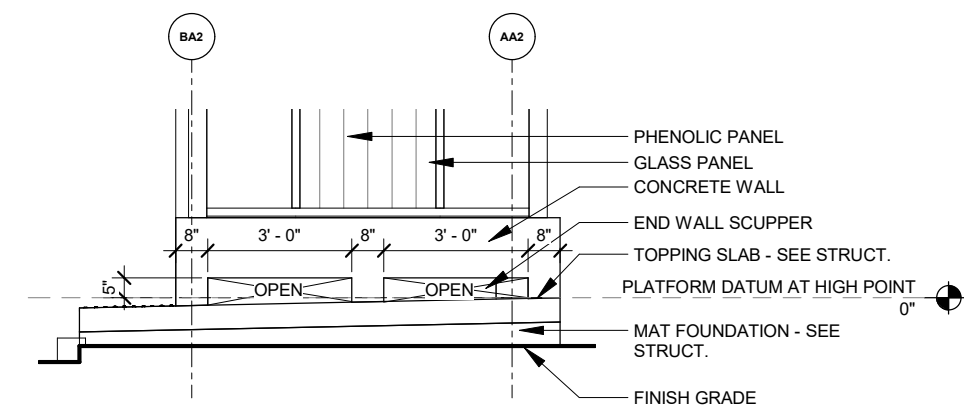
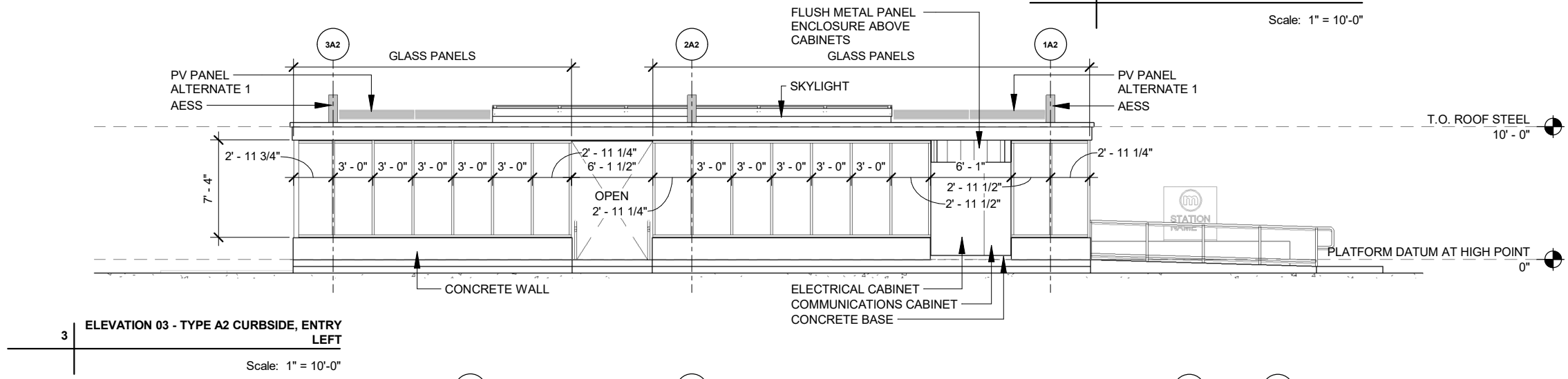
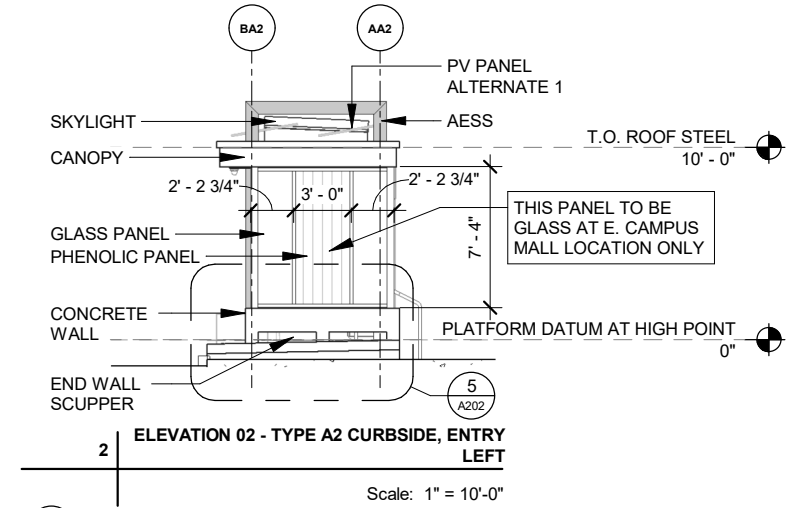
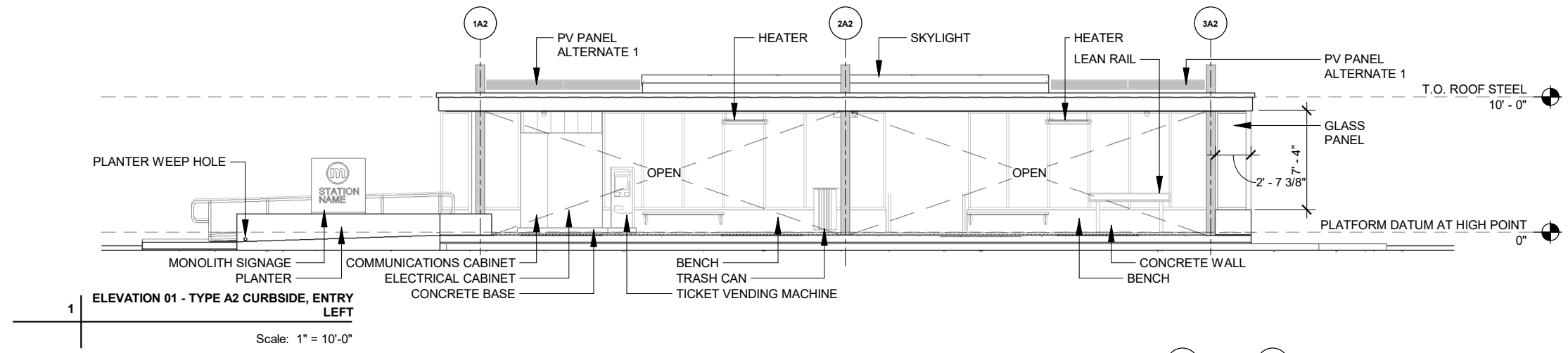
4 ELEVATION 04 - TYPE A1 CURBSIDE, ENTRY RIGHT  
Scale: 1" = 10'-0"

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CITY OF MADISON, DANE COUNTY, WI  
CONTRACT NO: 60631225C  
ELEVATION PLATFORM TYPE A1  
BUS RAPID TRANSIT  
CITY OF MADISON



60631225P  
A201



5 ELEVATION DETAIL - TYPE A2 END WALL SCUPPER  
Scale: 1/4" = 1'-0"

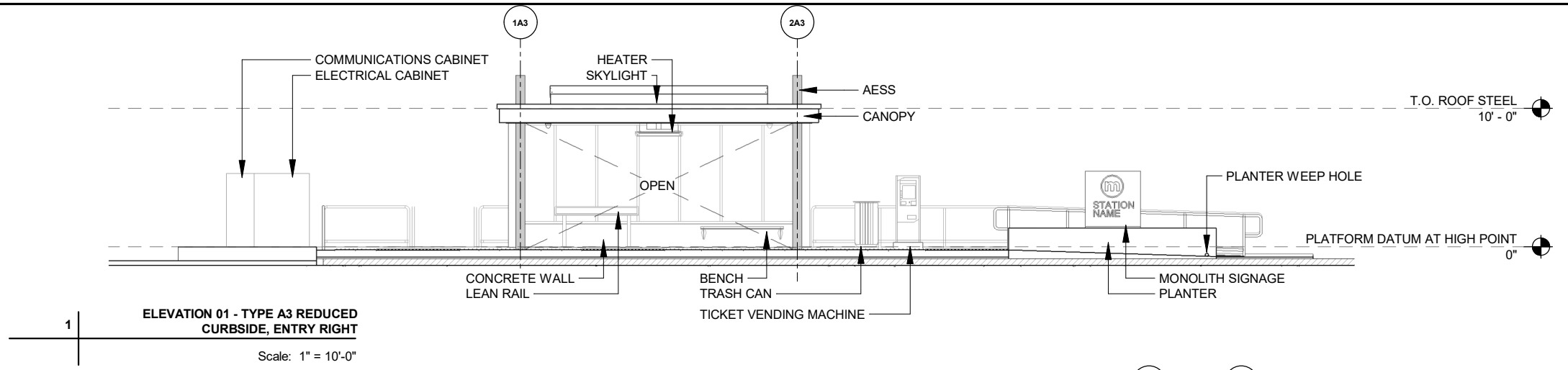
4 ELEVATION 04 - TYPE A2 CURBSIDE, ENTRY LEFT  
Scale: 1" = 10'-0"

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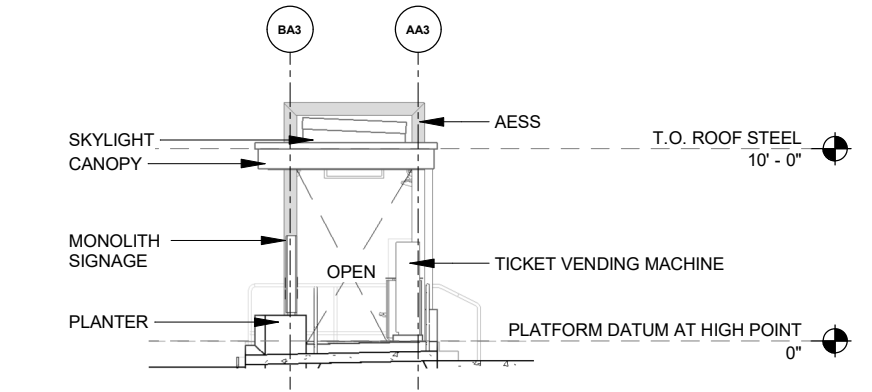
60631225P  
CITY OF MADISON, DANE COUNTY, WI  
CONTRACT NO: 60631225C  
ELEVATION PLATFORM TYPE A2  
BUS RAPID TRANSIT  
CITY OF MADISON



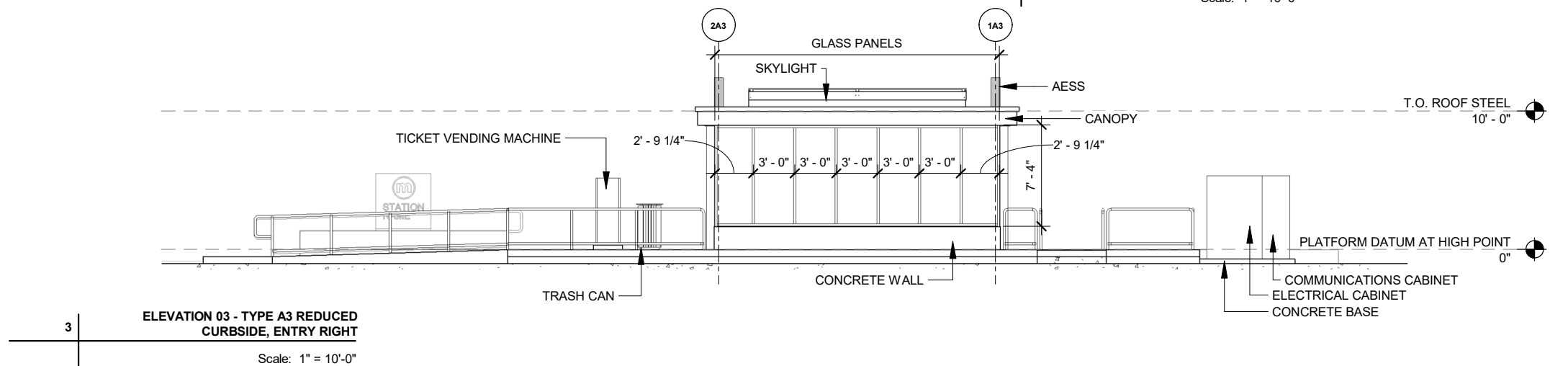
60631225P  
A202



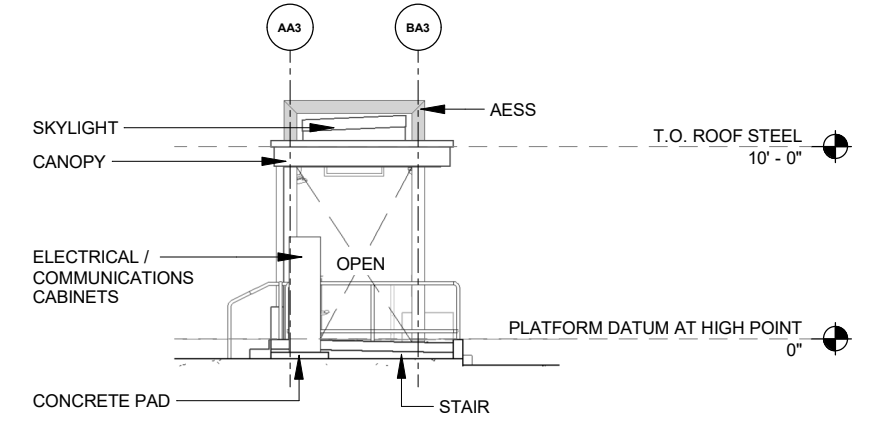
**ELEVATION 01 - TYPE A3 REDUCED CURBSIDE, ENTRY RIGHT**  
Scale: 1" = 10'-0"



**ELEVATION 02 - TYPE A3 REDUCED CURBSIDE, ENTRY RIGHT**  
Scale: 1" = 10'-0"



**ELEVATION 03 - TYPE A3 REDUCED CURBSIDE, ENTRY RIGHT**  
Scale: 1" = 10'-0"



**ELEVATION 04 - TYPE A3 REDUCED CURBSIDE, ENTRY RIGHT**  
Scale: 1" = 10'-0"

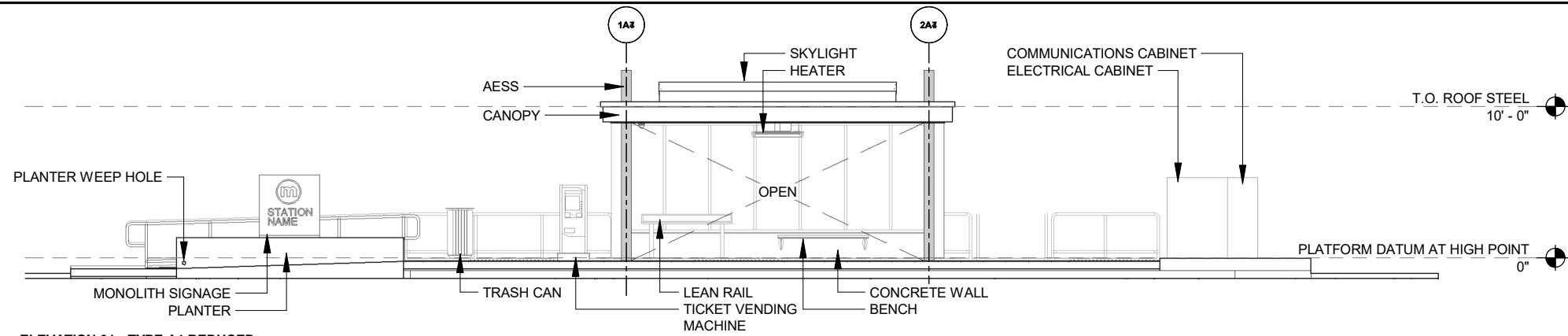
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60631225P  
CITY OF MADISON, DANE COUNTY, WI  
CONTRACT NO: 60631225C

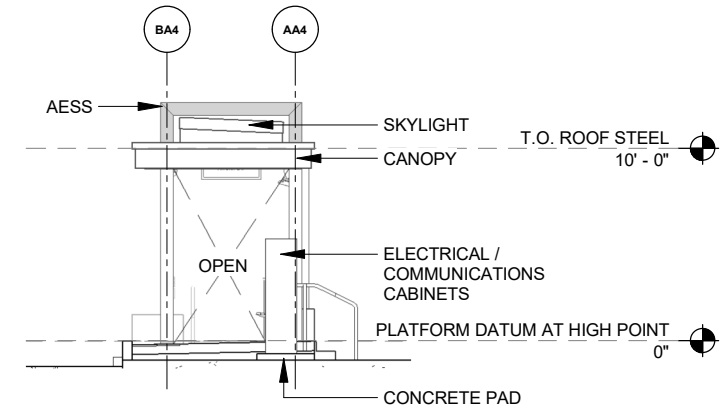
ELEVATION PLATFORM TYPE A3  
BUS RAPID TRANSIT  
CITY OF MADISON



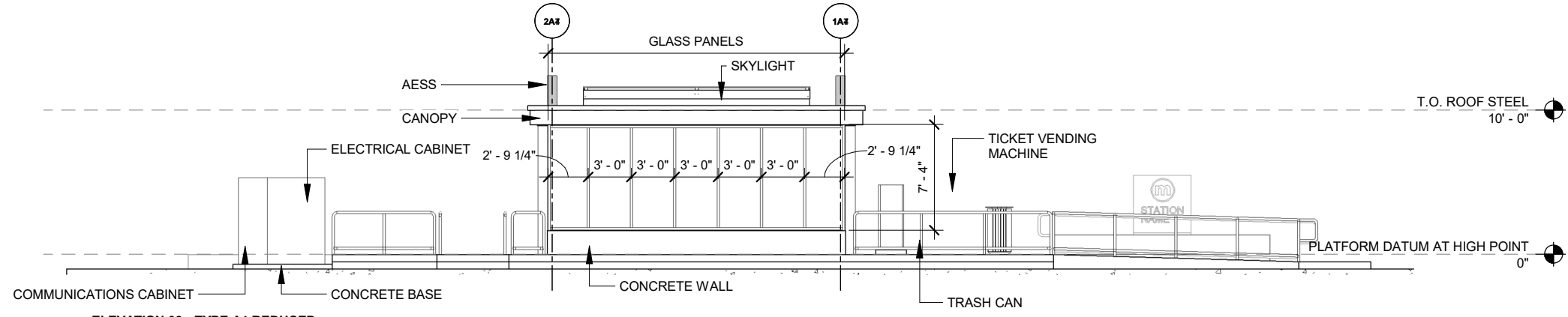
60631225P  
A203



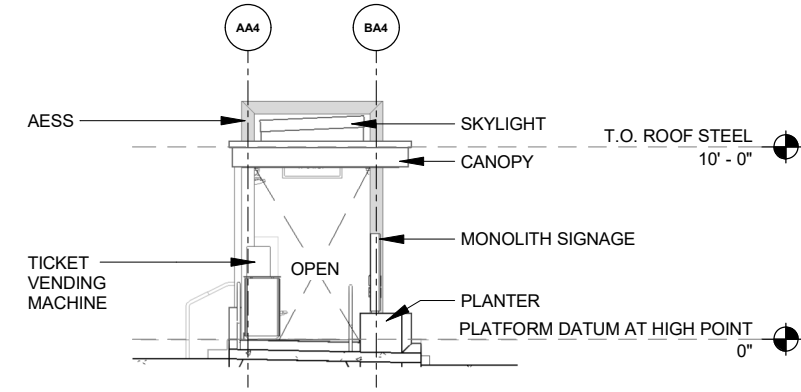
**ELEVATION 01 - TYPE A4 REDUCED CURBSIDE, ENTRY LEFT**  
Scale: 1" = 10'-0"



**ELEVATION 02 - TYPE A4 REDUCED CURBSIDE, ENTRY LEFT**  
Scale: 1" = 10'-0"



**ELEVATION 03 - TYPE A4 REDUCED CURBSIDE, ENTRY LEFT**  
Scale: 1" = 10'-0"



**ELEVATION 04 - TYPE A4 REDUCED CURBSIDE, ENTRY LEFT**  
Scale: 1" = 10'-0"

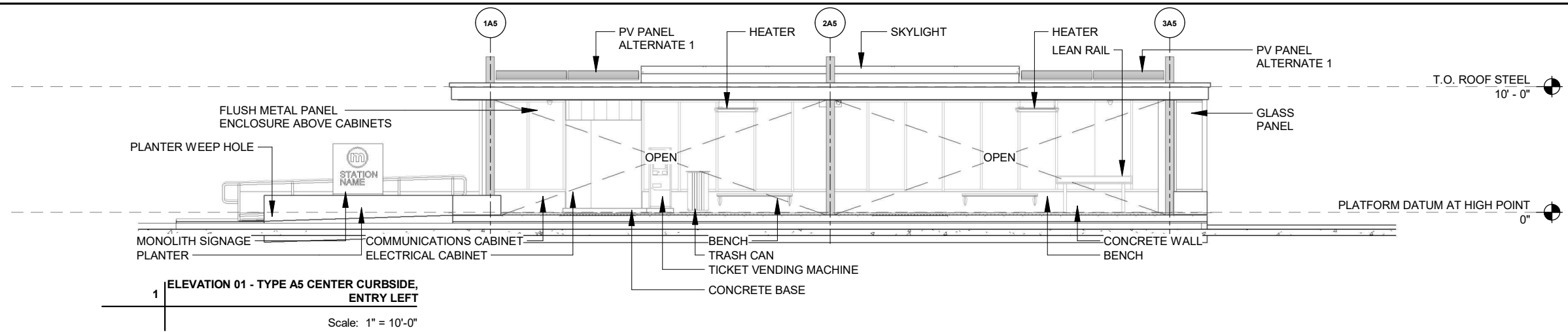
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CITY OF MADISON, DANE COUNTY, WI  
CONTRACT NO: 60631225C

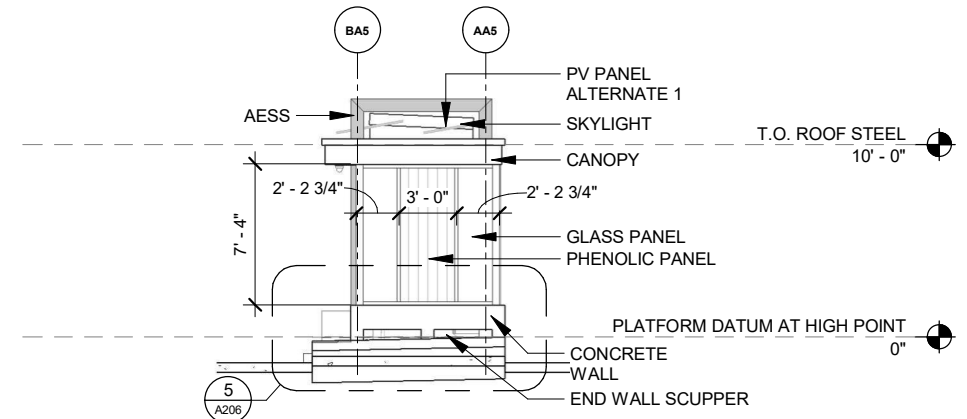
ELEVATION PLATFORM TYPE A4  
BUS RAPID TRANSIT  
CITY OF MADISON



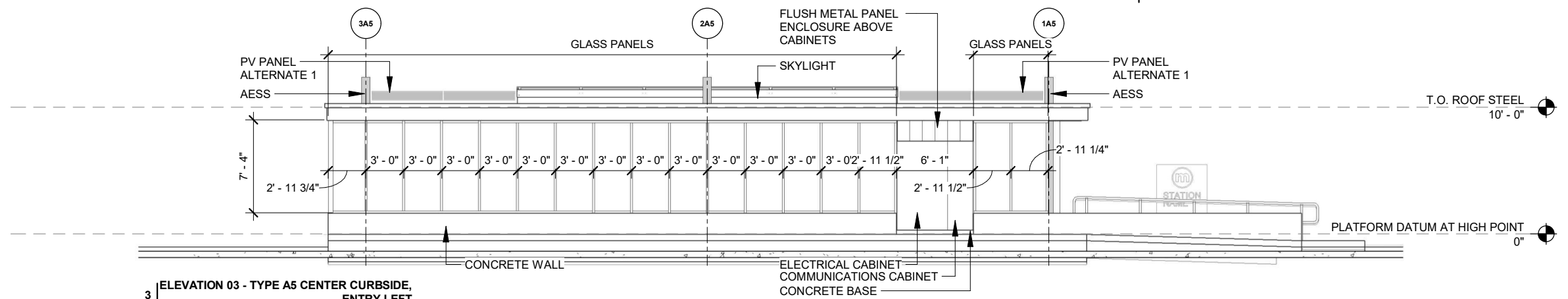
60631225P  
A204



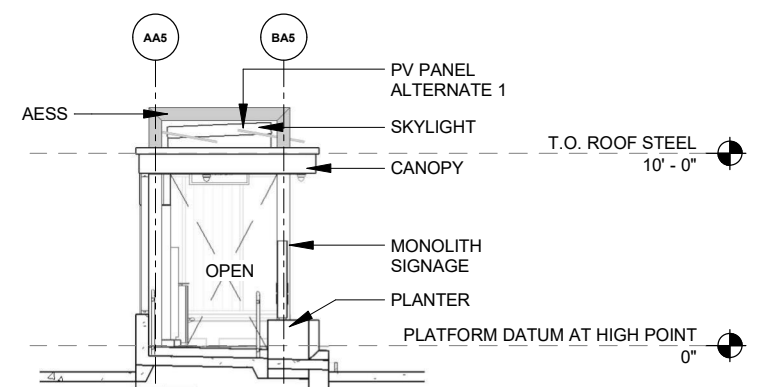
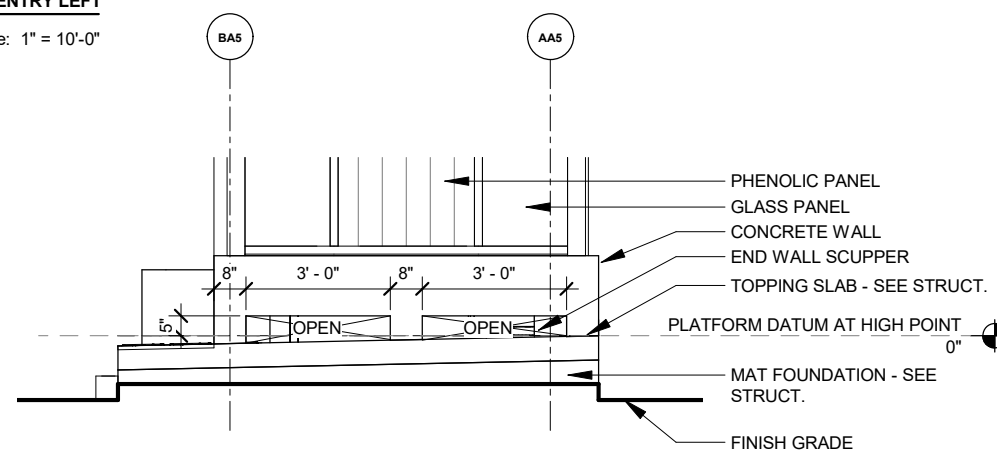
1 ELEVATION 01 - TYPE A5 CENTER CURBSIDE, ENTRY LEFT  
Scale: 1" = 10'-0"



2 ELEVATION 02 - TYPE A5 CENTER CURBSIDE, ENTRY LEFT  
Scale: 1" = 10'-0"



3 ELEVATION 03 - TYPE A5 CENTER CURBSIDE, ENTRY LEFT  
Scale: 1" = 10'-0"



5 ELEVATION 05 - TYPE A5 END WALL SCUPPER  
Scale: 1/4" = 1'-0"

4 ELEVATION 04 - TYPE A5 CENTER CURBSIDE, ENTRY LEFT  
Scale: 1" = 10'-0"

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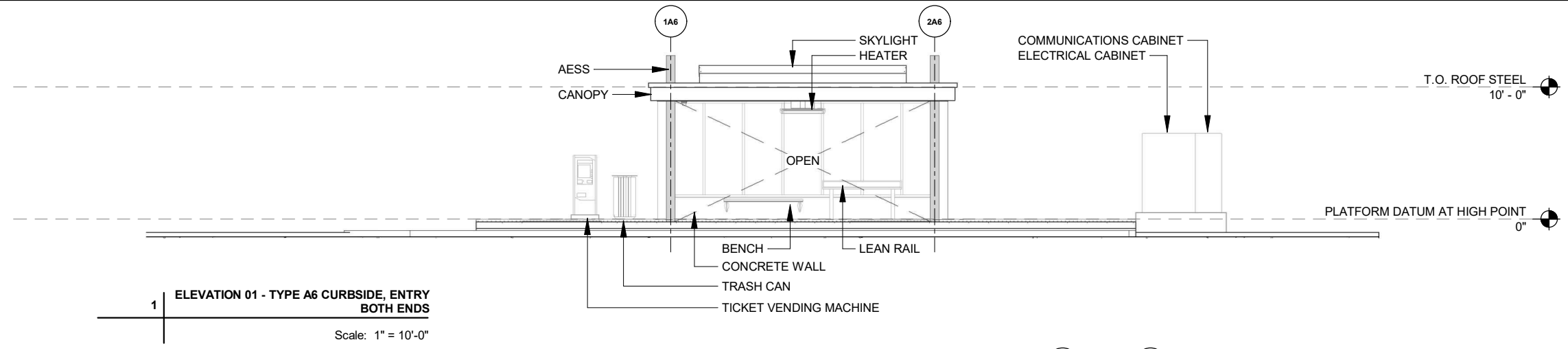
60631225P  
CITY OF MADISON, DANE COUNTY, WI  
CONTRACT NO: 60631225C

ELEVATION PLATFORM TYPE A5  
BUS RAPID TRANSIT  
CITY OF MADISON

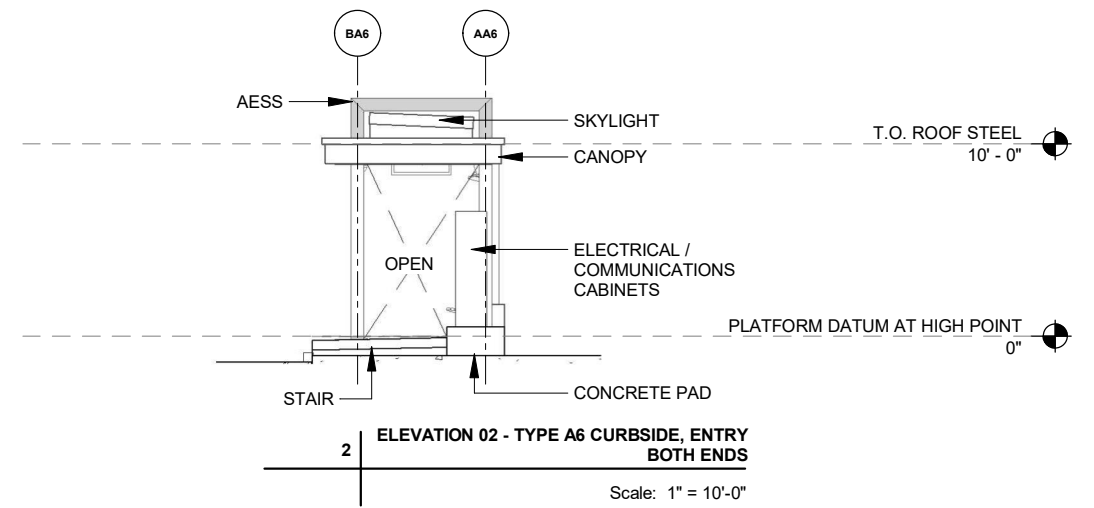


60631225P  
A206

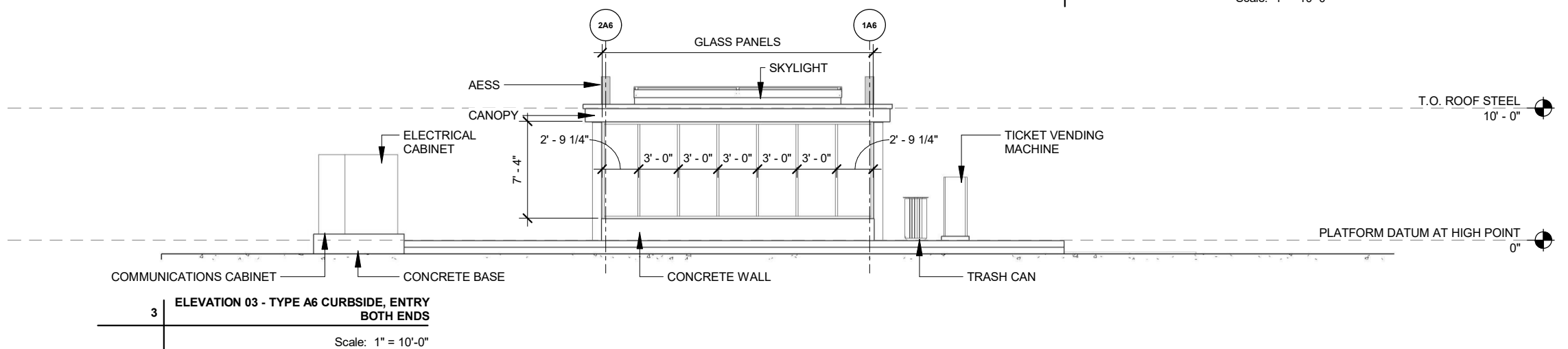




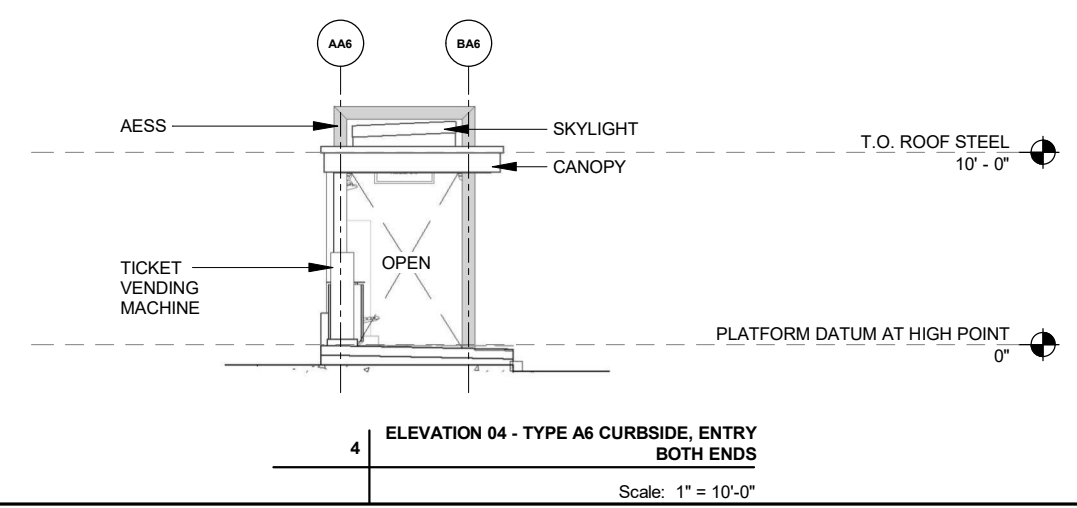
1 | **ELEVATION 01 - TYPE A6 CURBSIDE, ENTRY BOTH ENDS**  
Scale: 1" = 10'-0"



2 | **ELEVATION 02 - TYPE A6 CURBSIDE, ENTRY BOTH ENDS**  
Scale: 1" = 10'-0"



3 | **ELEVATION 03 - TYPE A6 CURBSIDE, ENTRY BOTH ENDS**  
Scale: 1" = 10'-0"



4 | **ELEVATION 04 - TYPE A6 CURBSIDE, ENTRY BOTH ENDS**  
Scale: 1" = 10'-0"

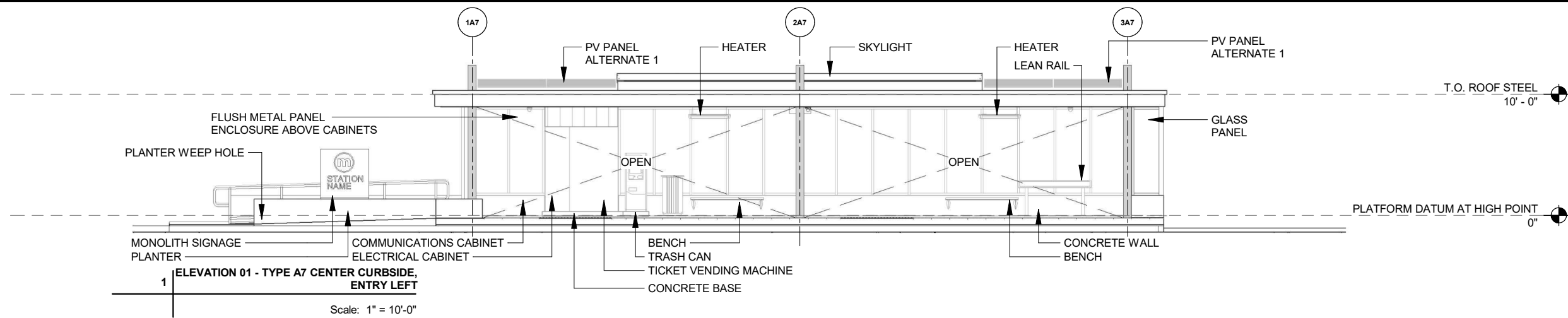
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CITY OF MADISON, DANE COUNTY, WI  
CONTRACT NO: 60631225C

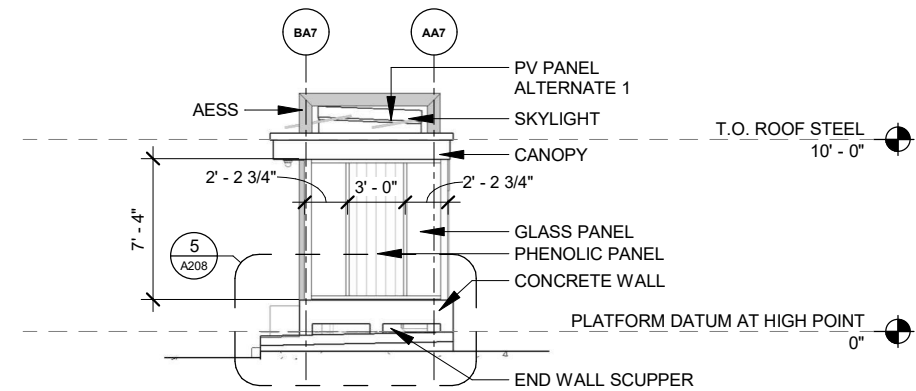
ELEVATION PLATFORM TYPE A6  
BUS RAPID TRANSIT  
CITY OF MADISON



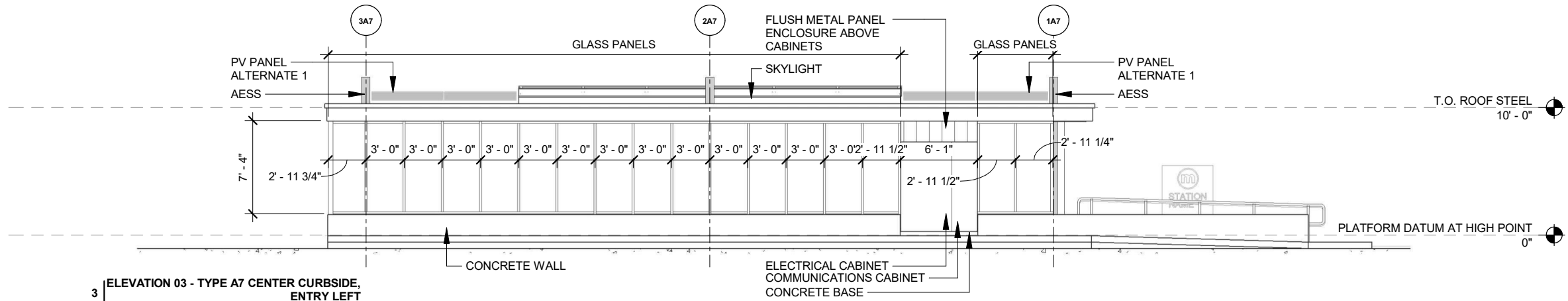
60631225P  
A207



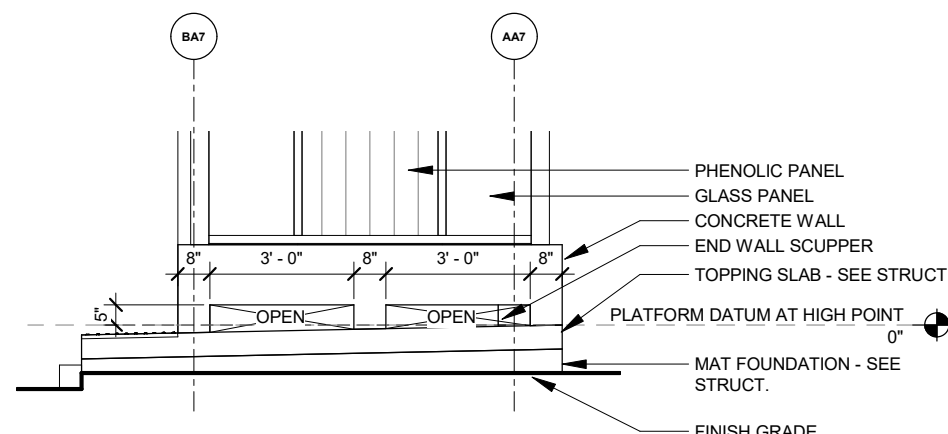
1 ELEVATION 01 - TYPE A7 CENTER CURBSIDE, ENTRY LEFT  
Scale: 1" = 10'-0"



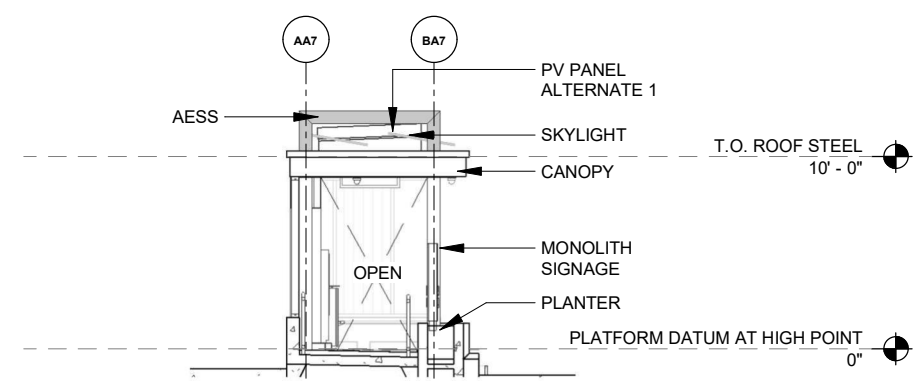
2 ELEVATION 02 - TYPE A7 CENTER CURBSIDE, ENTRY LEFT  
Scale: 1" = 10'-0"



3 ELEVATION 03 - TYPE A7 CENTER CURBSIDE, ENTRY LEFT  
Scale: 1" = 10'-0"



5 ELEV DETAIL - TYPE A7 END WALL SCUPPER  
Scale: 1/4" = 1'-0"



4 ELEVATION 04 - TYPE A7 CENTER CURBSIDE, ENTRY LEFT  
Scale: 1" = 10'-0"

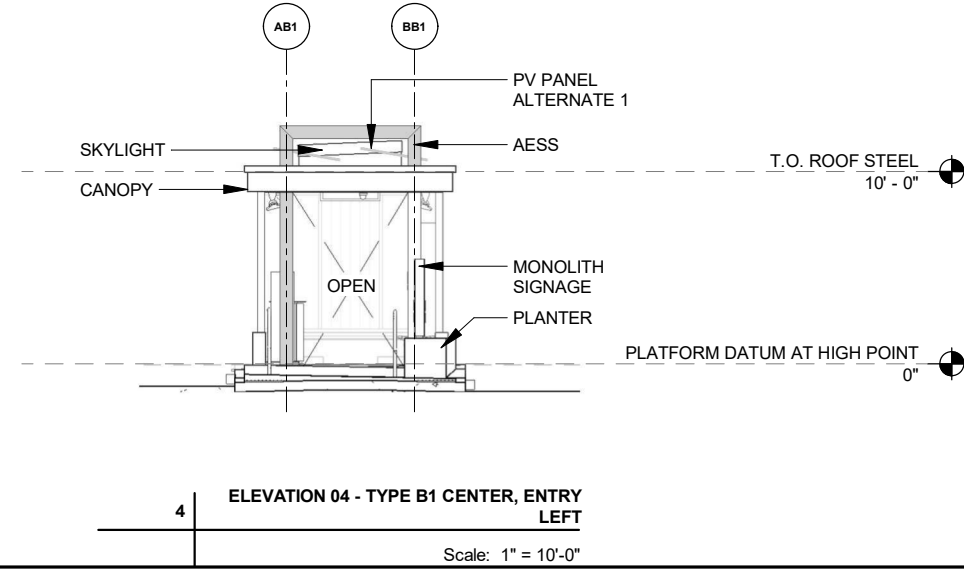
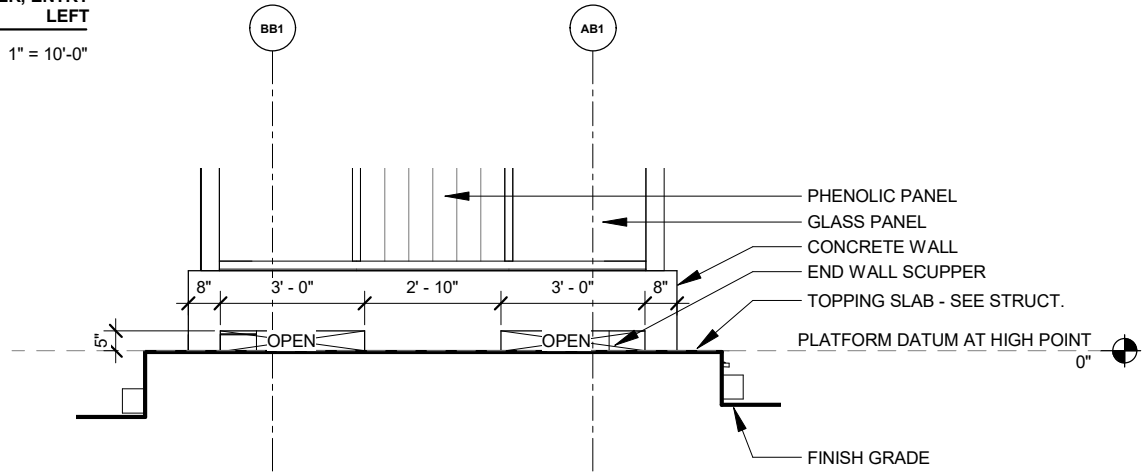
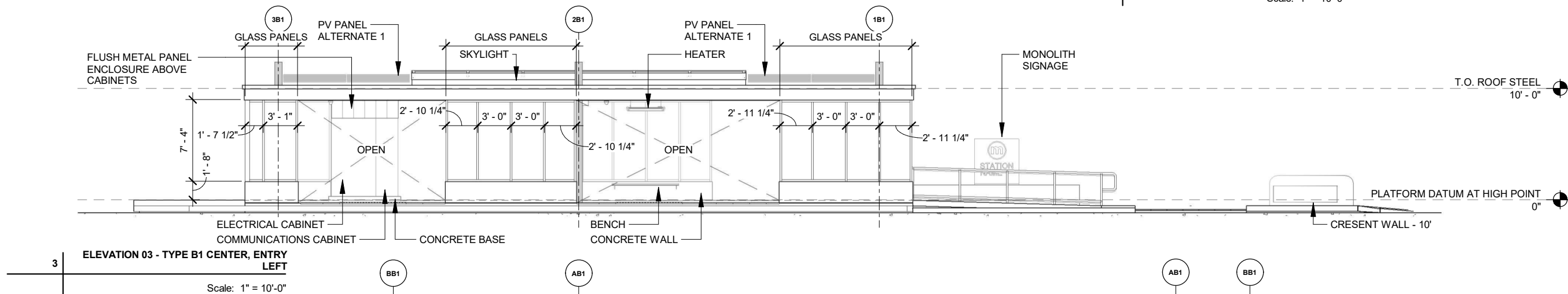
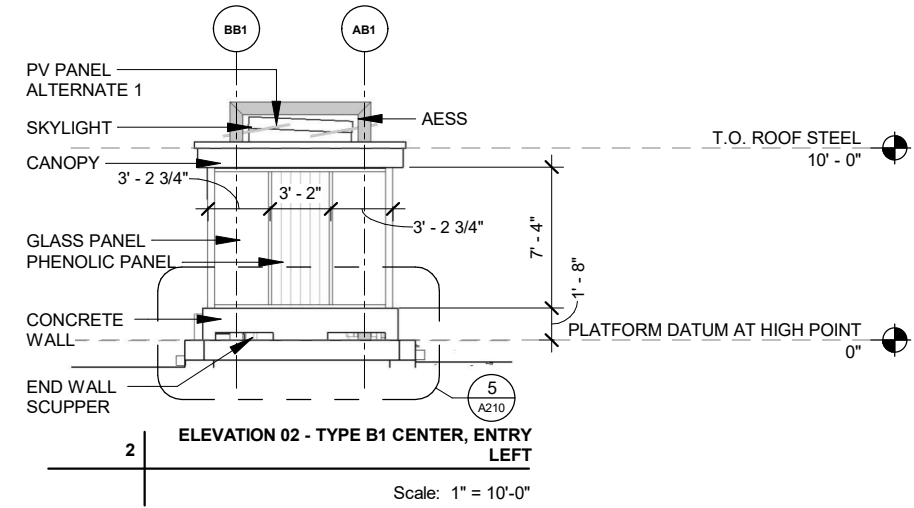
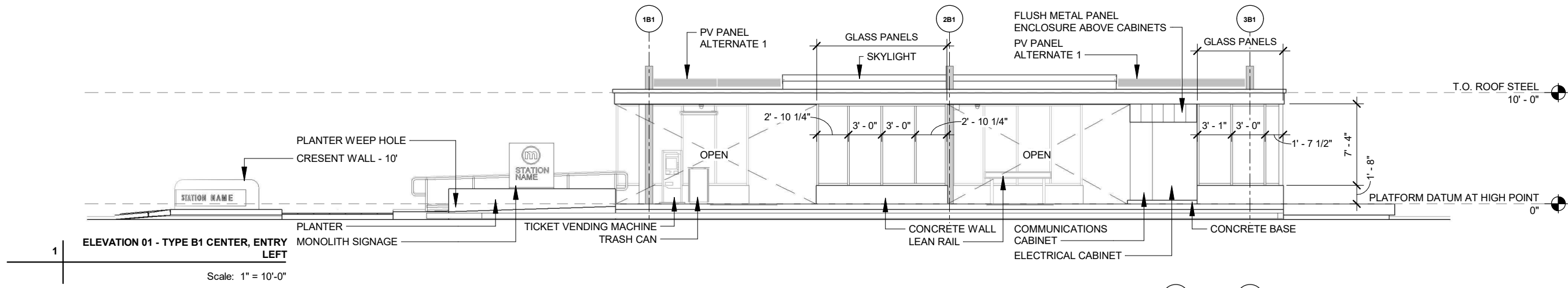
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CONTRACT NO: 60631225C

ELEVATION PLATFORM TYPE A7  
BUS RAPID TRANSIT  
CITY OF MADISON



60631225P  
A208



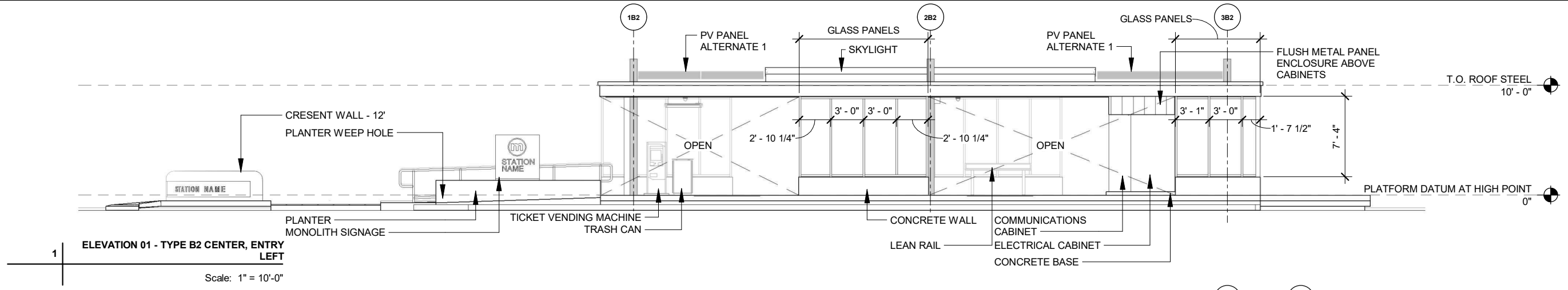
| MARK | REVISION | DATE | BY |
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60631225P  
CITY OF MADISON, DANE COUNTY, WI  
CONTRACT NO: 60631225C

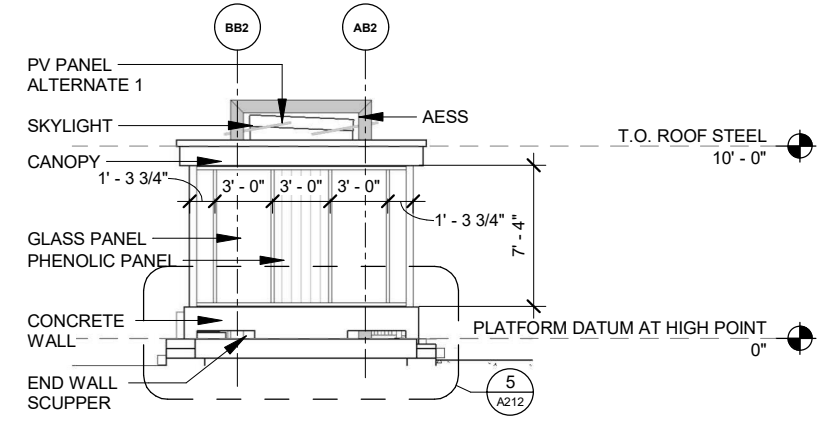
ELEVATION PLATFORM TYPE B1  
BUS RAPID TRANSIT  
CITY OF MADISON



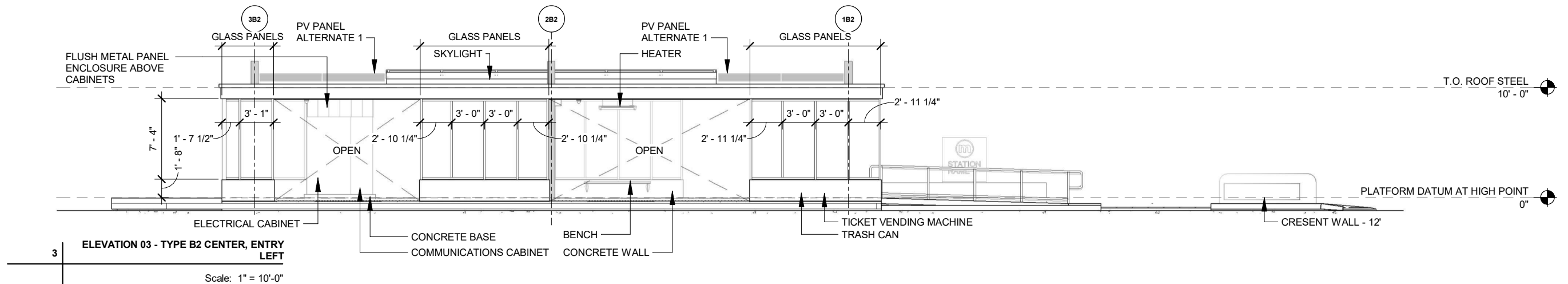
60631225P  
A210



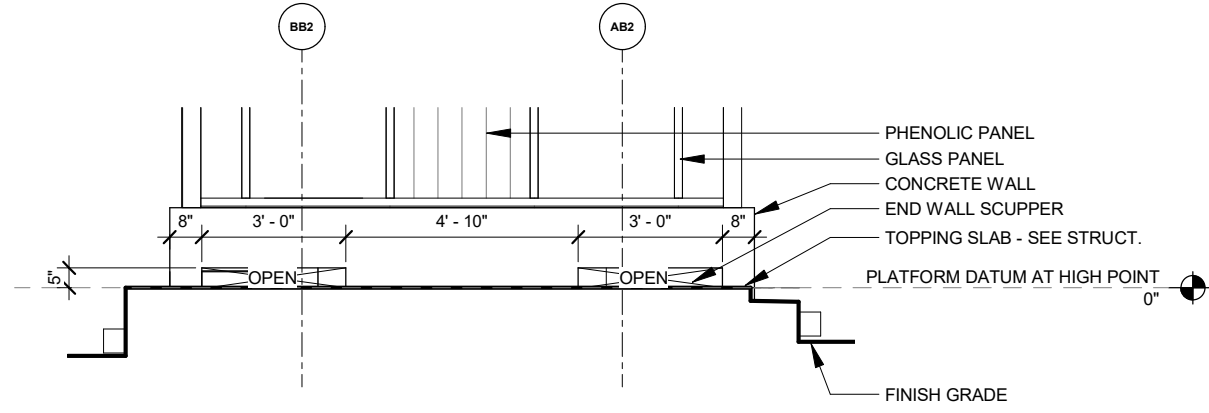
1 ELEVATION 01 - TYPE B2 CENTER, ENTRY LEFT  
Scale: 1" = 10'-0"



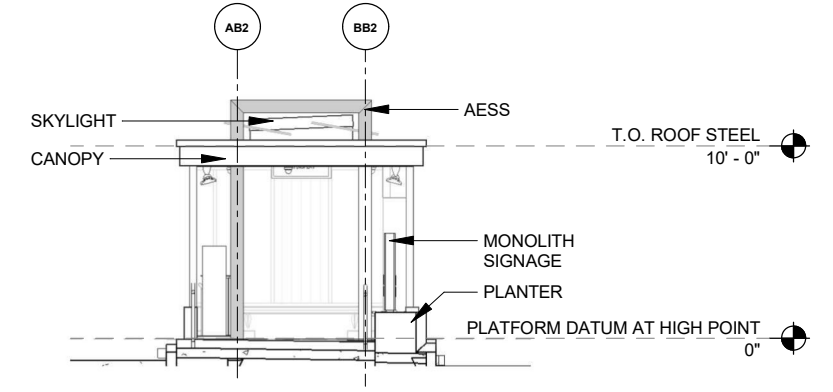
2 ELEVATION 02 - TYPE B2 CENTER, ENTRY LEFT  
Scale: 1" = 10'-0"



3 ELEVATION 03 - TYPE B2 CENTER, ENTRY LEFT  
Scale: 1" = 10'-0"



5 ELEV DETAIL - TYPE B2 END WALL SCUPPER  
Scale: 1/4" = 1'-0"



4 ELEVATION 04 - TYPE B2 CENTER, ENTRY LEFT  
Scale: 1" = 10'-0"

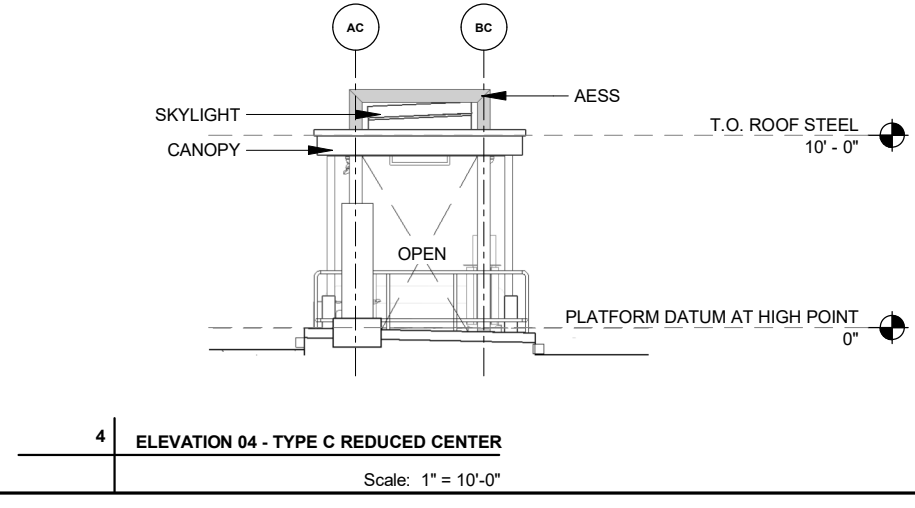
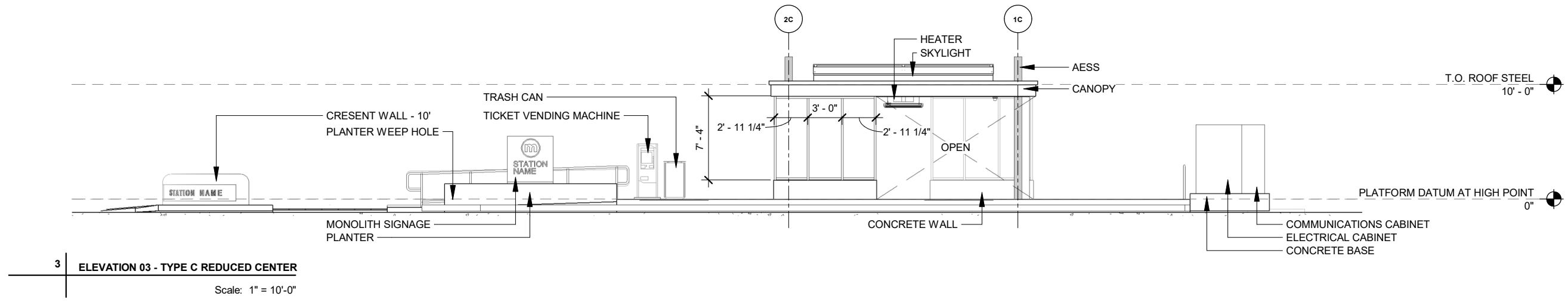
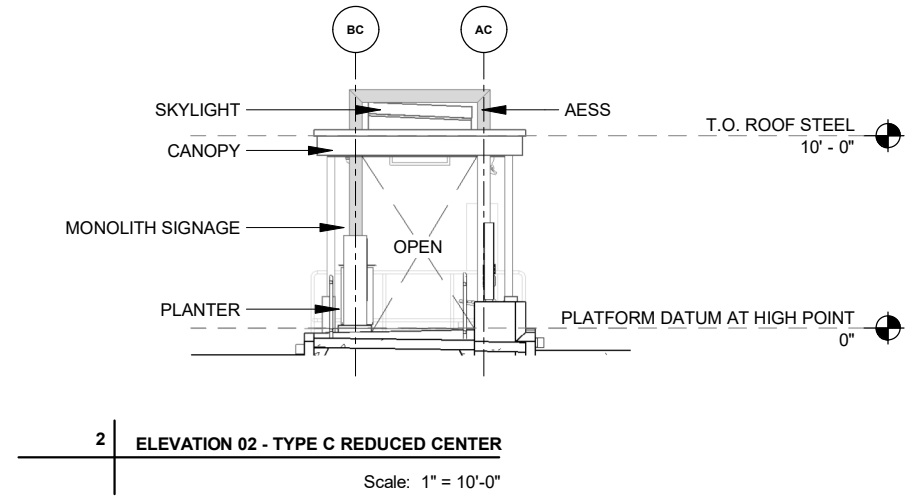
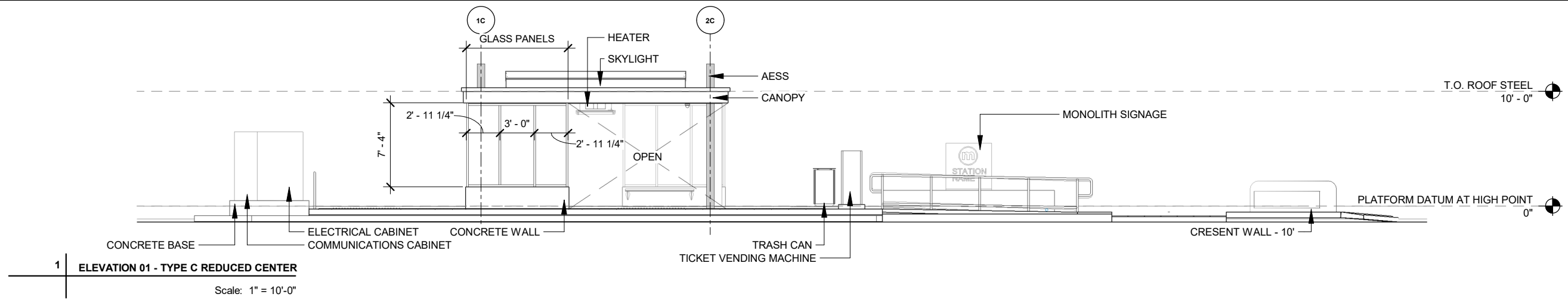
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CITY OF MADISON, DANE COUNTY, WI  
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ELEVATION PLATFORM TYPE B2  
BUS RAPID TRANSIT  
CITY OF MADISON



60631225P  
A212



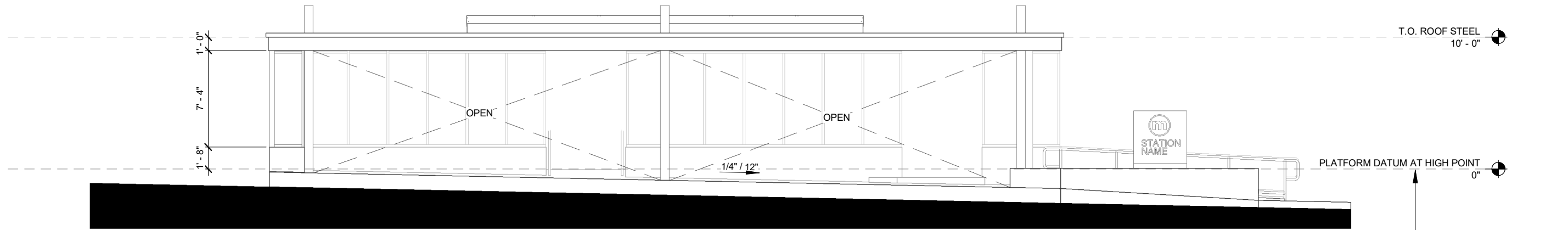
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CITY OF MADISON, DANE COUNTY, WI  
CONTRACT NO: 60631225C

ELEVATION PLATFORM TYPE C  
BUS RAPID TRANSIT  
CITY OF MADISON



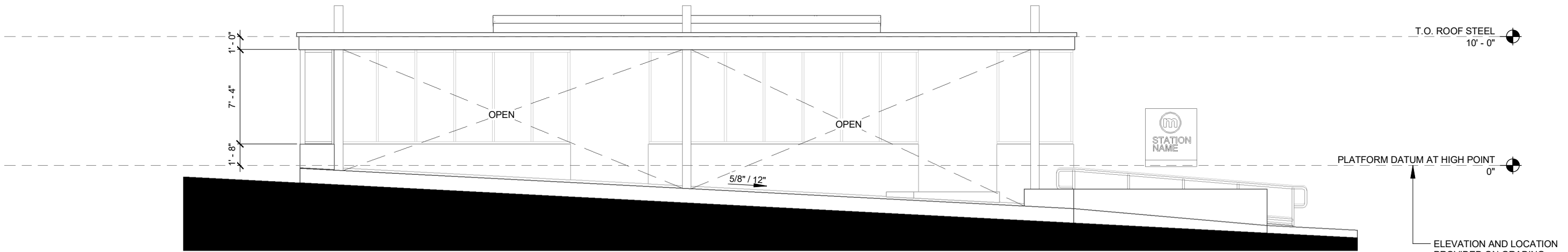
60631225P  
A213



ELEVATION 01 - TYPE A1 WITH 2% LONGITUDINAL SLOPE AND 2% CROSS SLOPE

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

1



ELEVATION 01 - TYPE A1 WITH 4.5% LONGITUDINAL SLOPE AND 2% CROSS SLOPE

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

2

**NOTE:**  
 THESE ELEVATIONS ARE MEANT AS EXAMPLES TO ILLUSTRATE HOW LONGITUDINAL SLOPE AFFECTS A TYPICAL SHELTER DESIGN. REFER TO GRADING PLANS FOR ACTUAL LONGITUDINAL AND CROSS SLOPES AT EACH SHELTER LOCATION AND ADJUST ACCORDINGLY.

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 CITY OF MADISON, DANE COUNTY, WI  
 CONTRACT NO: 60631225C

PLATFORM A1 ELEVATIONS WITH LONGITUDINAL SLOPE  
 BUS RAPID TRANSIT  
 CITY OF MADISON

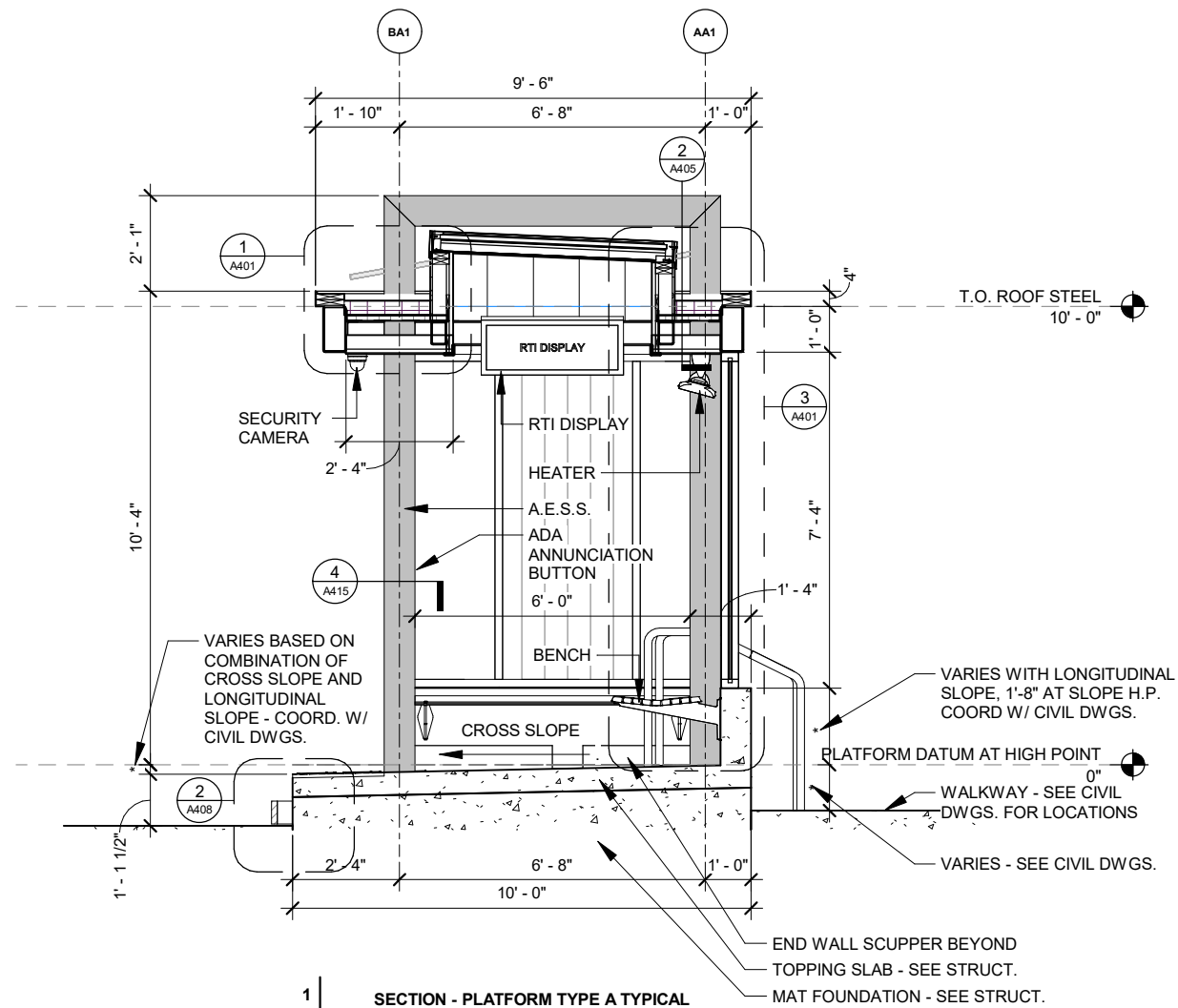
60631225P  
 A214



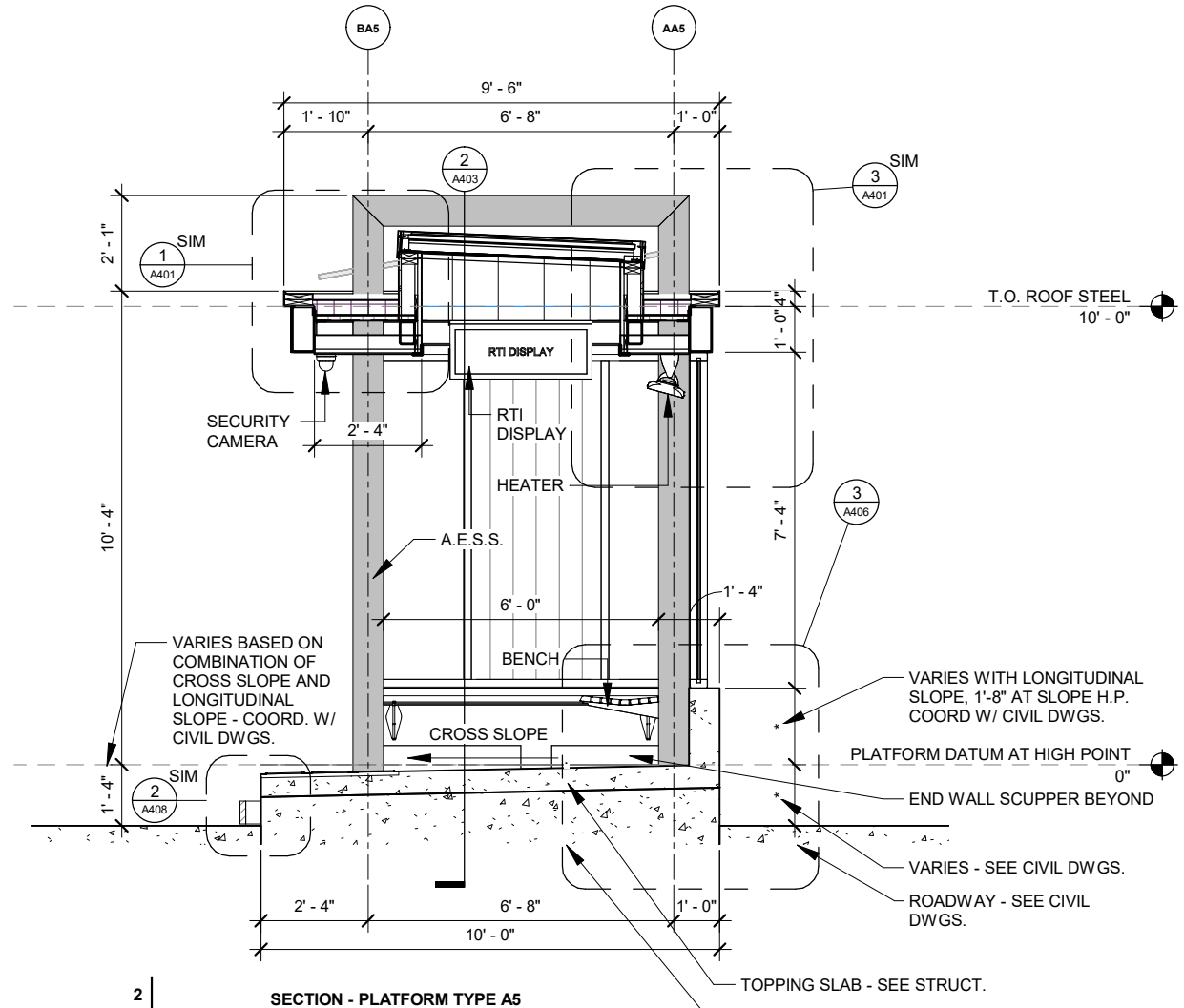
60631225P

A214





1 SECTION - PLATFORM TYPE A TYPICAL  
Scale: 1/4" = 1'-0"



2 SECTION - PLATFORM TYPE A5  
Scale: 1/4" = 1'-0"

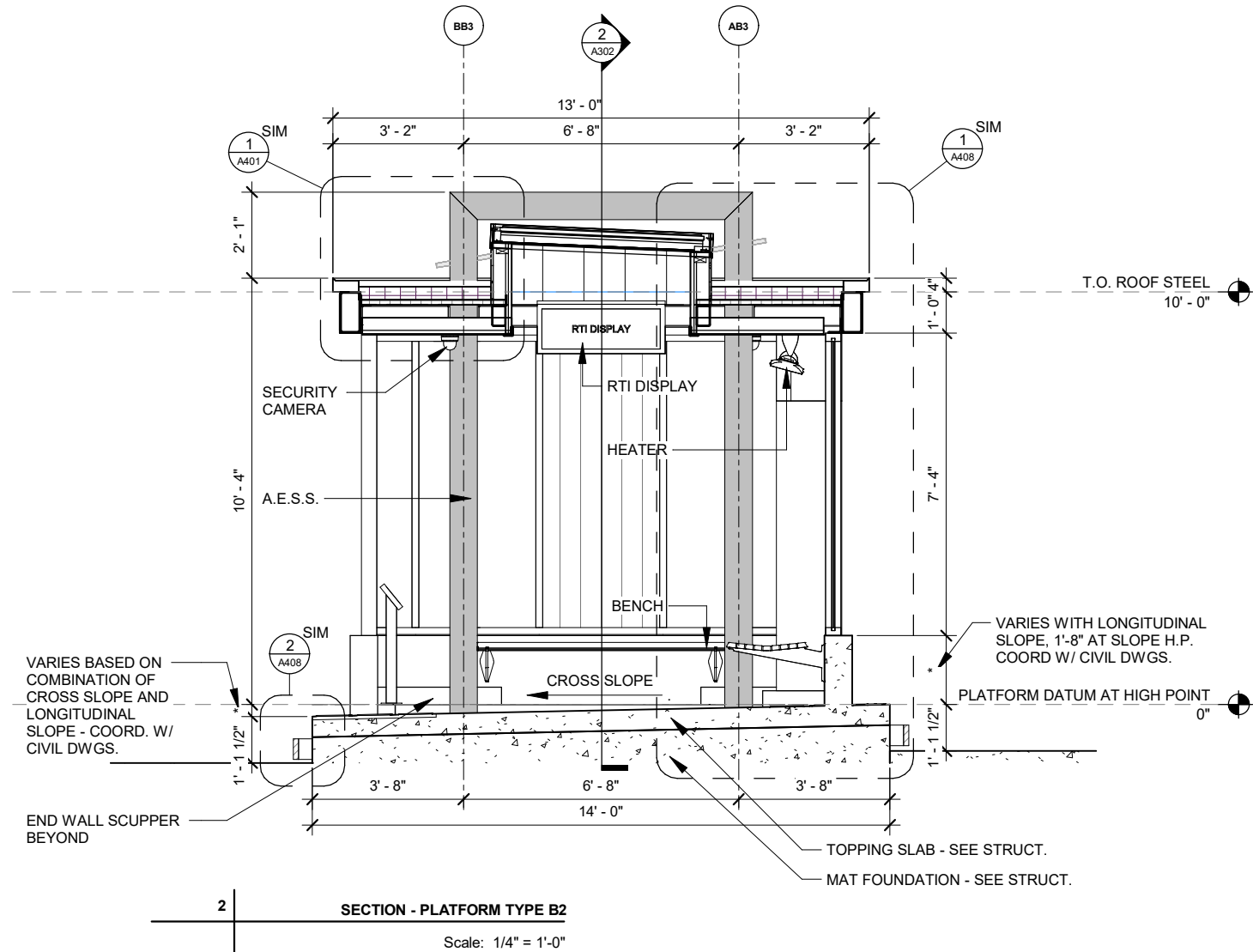
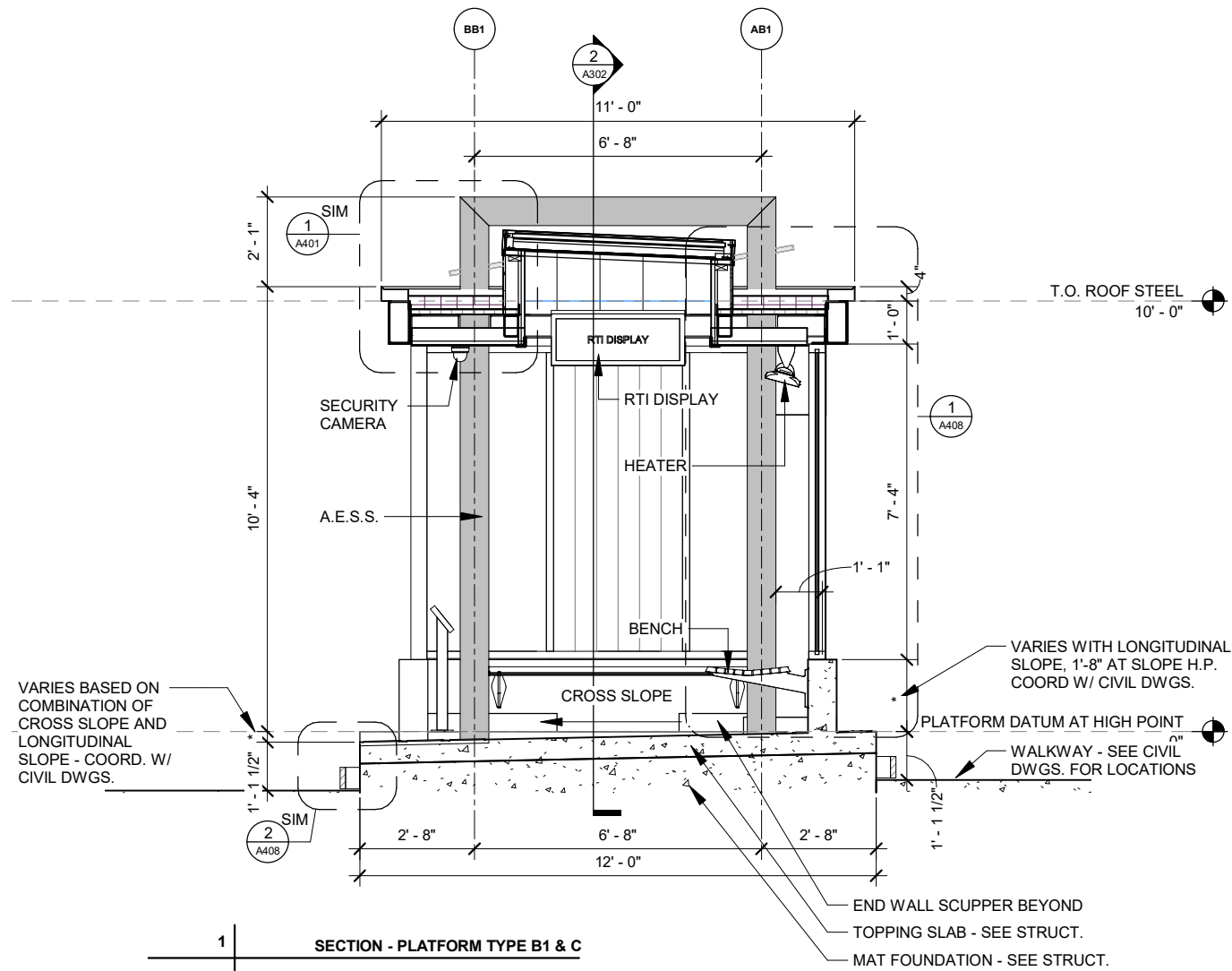
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60631225P  
CITY OF MADISON, DANE COUNTY, WI  
CONTRACT NO: 60631225C

PLATFORM SECTIONS TYPE A  
BUS RAPID TRANSIT  
CITY OF MADISON



60631225P  
A300



60631225P  
CITY OF MADISON, DANE COUNTY, WI  
CONTRACT NO: 60631225C

PLATFORM SECTIONS TYPE B & C  
BUS RAPID TRANSIT  
CITY OF MADISON



60631225P

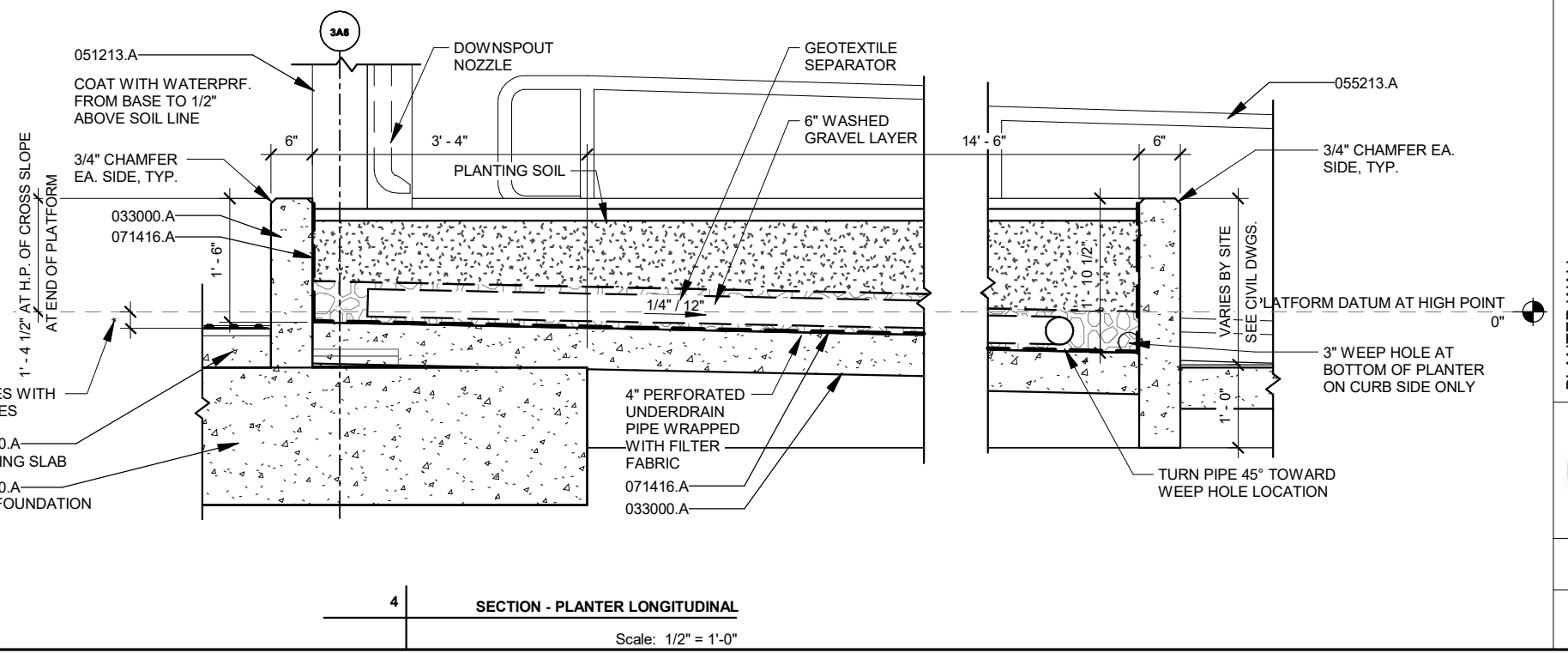
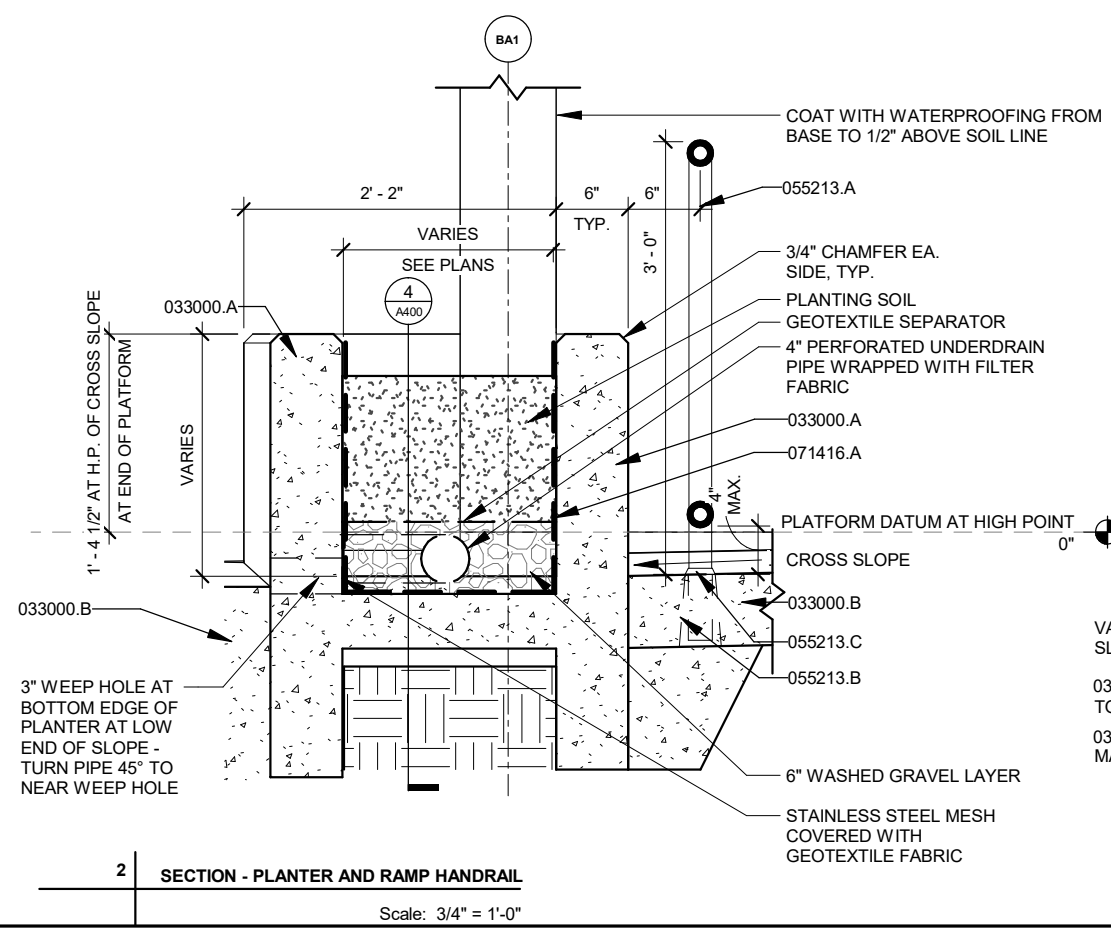
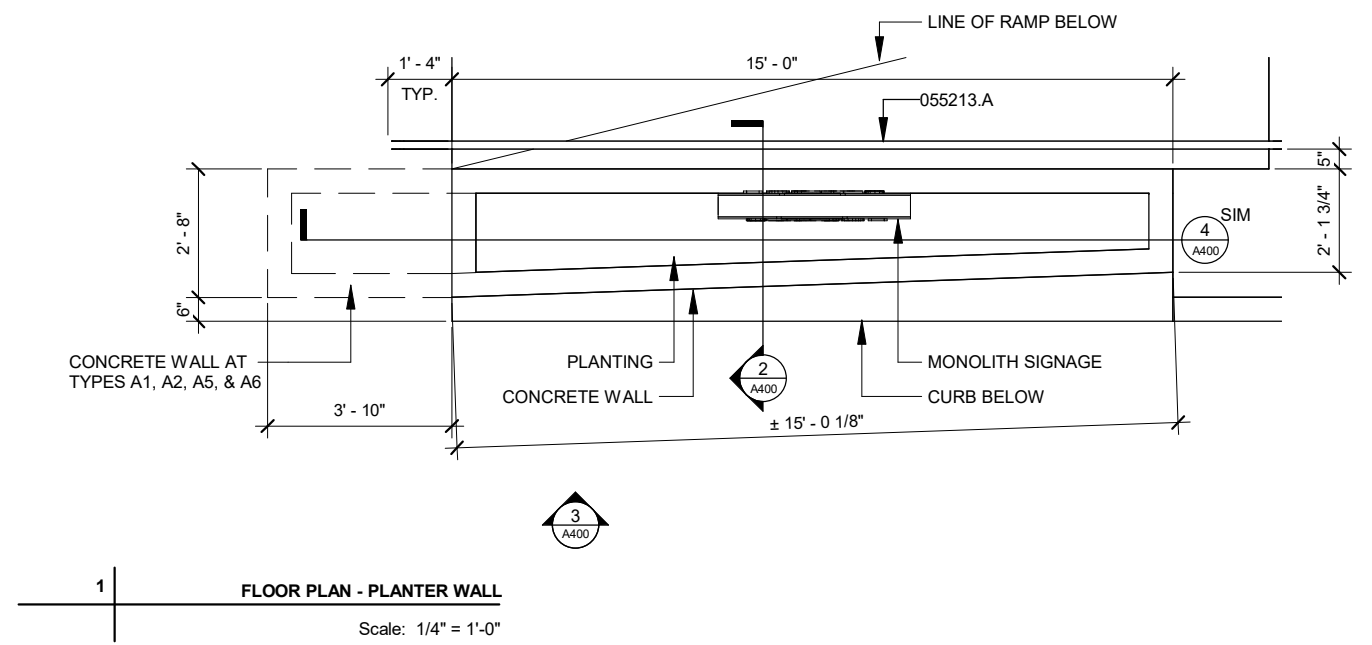
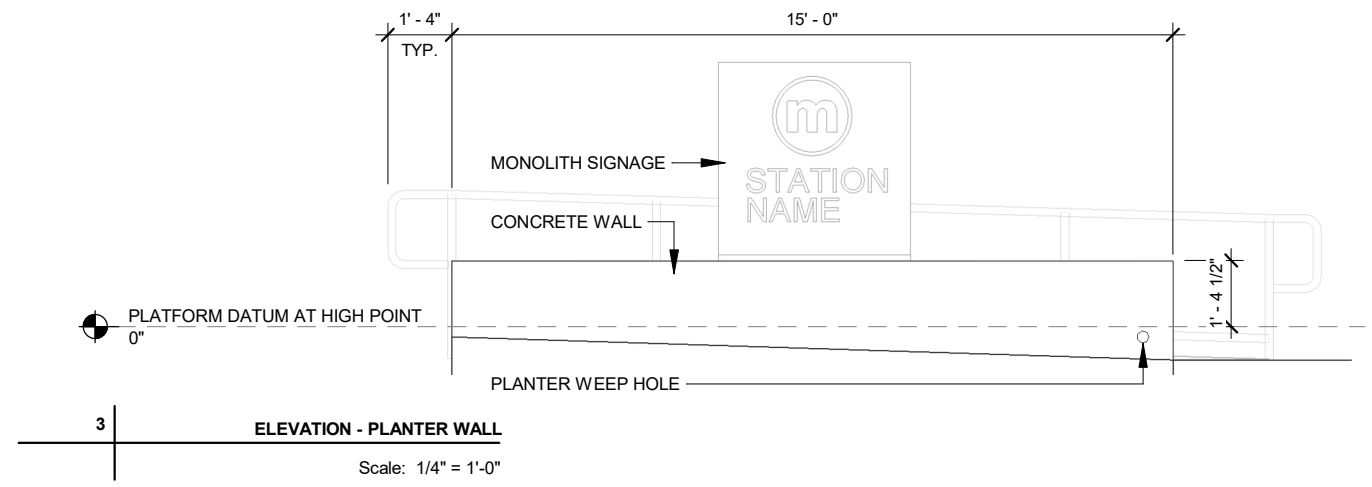
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Designed By: \_\_\_\_\_ Date: 2022-03-08  
Scale: ---



| CONSTRUCTION KEYNOTES |   |
|-----------------------|---|
| KEY                   | DESCRIPTION   |
| 033000.A              | CONCRETE - REFER TO STRUCTURAL DRAWINGS   |
| 033000.B              | CONCRETE - REFER TO CIVIL DRAWINGS  |
| 051213.A              | ARCHITECTURALLY EXPOSED STRUCTURAL STEEL FRAMING - PAINT, SEE STRUCTURAL                        |
| 055213.A              | PIPE AND TUBE RAILINGS - 2" DIA. NPS 316L STAINLESS STEEL ARCHITECTURAL RAILING                 |
| 055213.B              | REMOVABLE PLASTIC SLEEVE W/ END CAP - DO NOT CORE HOLES FOR POSTS                               |
| 055213.C              | NON-SHRINK GROUT - SLOPE GROUT TO PROMOTE DRAINAGE AWAY FROM POST, FILL BASE OF PIPR WITH GROUT |
| 071416.A              | COLD FLUID-APPLIED WATERPROOFING  |



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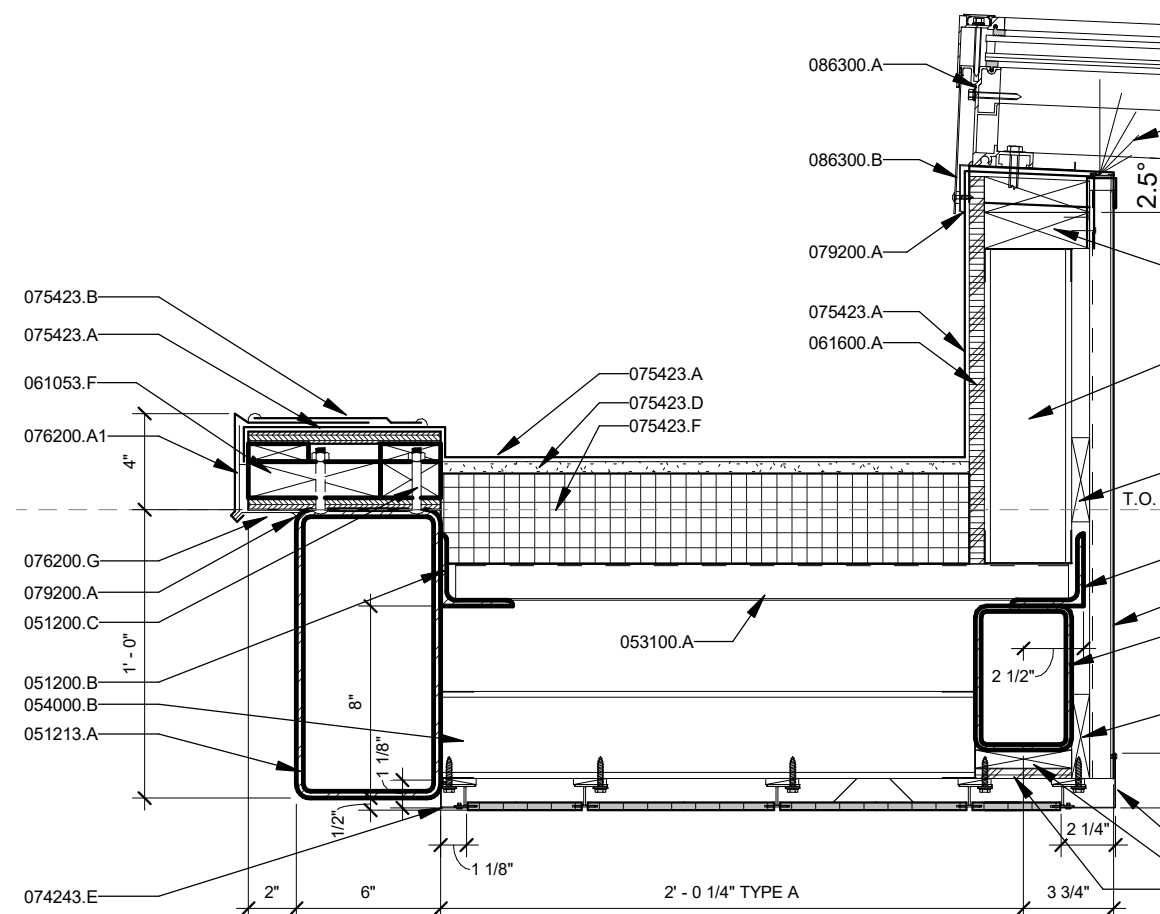
60631225P  
CITY OF MADISON, DANE COUNTY, WI  
CONTRACT NO: 60631225C

PLANTER WALL  
BUS RAPID TRANSIT  
CITY OF MADISON



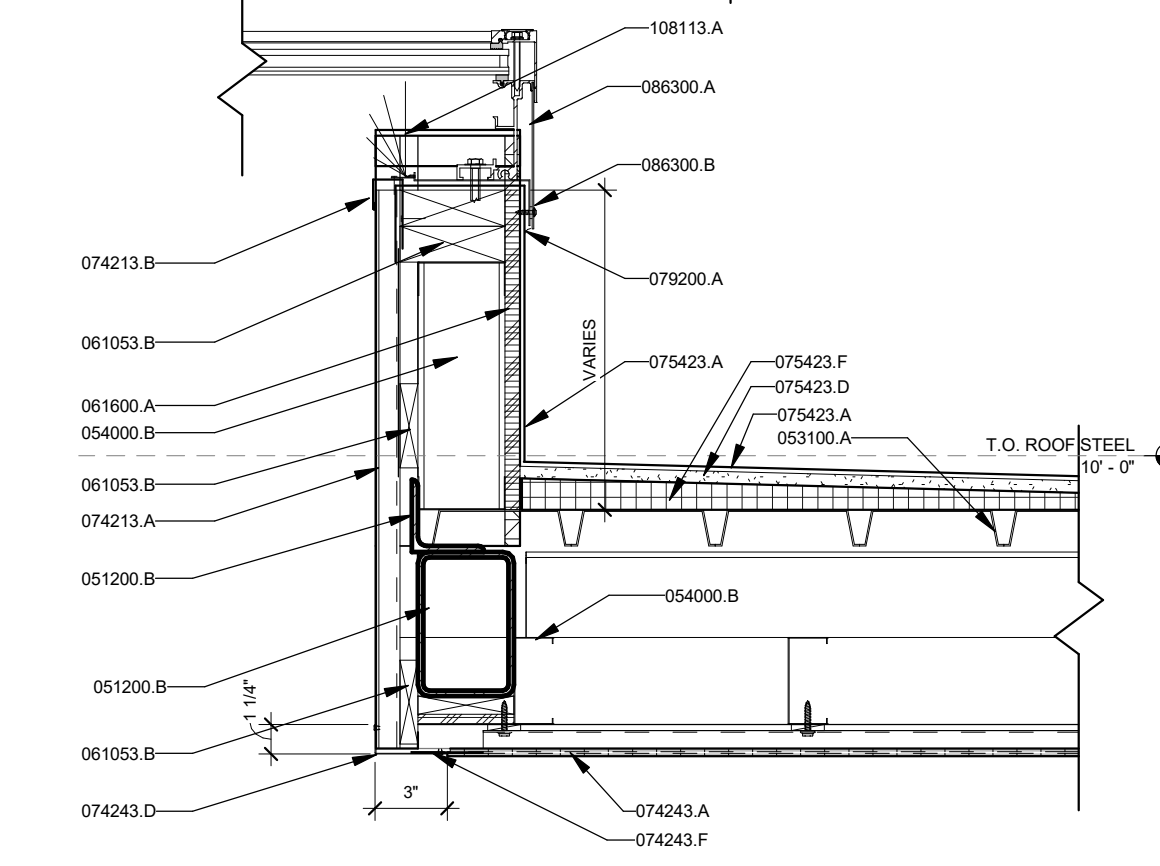
60631225P  
A400

| CONSTRUCTION KEYNOTES |  |
|-----------------------|--|
| KEY                   | DESCRIPTION  |
| 033000.A              | CONCRETE - REFER TO STRUCTURAL DRAWINGS  |
| 051200.B              | STRUCTURAL STEEL - HOT DIPPED GALVANIZED   |
| 051200.C              | 3/8" DIA. THREADED STUD WELDED TO STRUCTURAL STEEL MEMBER @ 32" O.C., STAGGERED                        |
| 051213.A              | ARCHITECTURALLY EXPOSED STRUCTURAL STEEL FRAMING - PAINT, SEE STRUCTURAL                               |
| 053100.A              | STEEL ROOF DECK  |
| 054000.B              | COLD FORMED METAL FRAMING - 3 5/8" @ 16" O.C.  |
| 061053.B              | WOOD BLOCKING - PRESERVATIVE TREATED   |
| 061053.D              | PLYWOOD - PRESERVATIVE TREATED   |
| 061053.F              | (2) LAYER 1/2" PRES. TRTD. PWD. SANDWICHING (2) PRES. TRTD. 2xs & 1xs - SCREW ENTIRE ASSEMBLY TOGETHER |
| 061600.A              | PLYWOOD OR OSB WALL SHEATHING  |
| 074213.A              | FLUSH CONCEALED FASTENER METAL WALL PANELS   |
| 074213.B              | METAL WALL PANEL SHEET METAL J TRIM  |
| 074243.A              | WOOD PATTERNED PHENOLIC SOFFIT PANEL W/CONCEALED FASTENERS   |
| 074243.B              | METAL PLANK ATTACHMENT CLIP AND SHIM BY PHENOLIC PANEL INSTALLER                                       |
| 074243.C              | PREFINISHED VENTED BOTTOM/END CLOSURE BY PHENOLIC PANEL INSTALLER                                      |
| 074243.D              | CUSTOM PREFINISHED METAL TOP/END CLOSURE BY PHENOLIC PANEL INSTALLER. RIVET TO FLUSH METAL WALL PANELS |
| 074243.E              | CUSTOM PREFINISHED METAL END CLOSURE BY PHENOLIC PANEL INSTALLER.                                      |
| 074243.F              | 3"x1" FLAT PREFINISHED METAL CLOSURE AT PANEL JOINTS BY PHENOLIC PANEL INSTALLER                       |
| 075423.A              | FULLY ADHERED TPO MEMBRANE ROOFING   |
| 075423.B              | TPO ROOF FLASHING  |
| 075423.D              | COVER BOARD  |
| 075423.F              | TAPERED ROOFING INSULATION BOARD   |
| 076200.A1             | METAL GRAVEL STOP W/ CONTINUOUS HOOK STRIP AND BOTTOM CLOSURE  |
| 076200.G              | PREFINISHED BRAKE METAL TRIM - PROVIDE BARRIER BTWN DISSIMILAR METALS                                  |
| 079200.A              | JOINT SEALANT  |
| 084113.A1             | ALUMINUM STOREFRONT SILL FRAME & RECEIVER  |
| 084113.A2             | ALUMINUM STOREFRONT HEAD FRAME & RECEIVER  |
| 084113.J              | SHIM, INSTALL SEALANT AND BACKER ROD AT INTERIOR & EXTERIOR FACE OF FRAME                              |
| 086300.A              | METAL FRAMED SKYLIGHT  |
| 086300.B              | SKYLIGHT FLASHING & CLOSURES   |
| 088000.F              | LAMINATED GLAZING  |
| 108113.A              | BIRD CONTROL DEVICES   |
| 129343.A              | WALL MOUNTED BENCH - SECURE TO CONCRETE WALL W/ (3) EPOXY ANCHORS PER BRACKET                          |
| 260519.A              | LOW VOLTAGE ELECTRICAL CONDUIT(S) AND JUNCTION BOX(ES) - SEE ELEC.                                     |



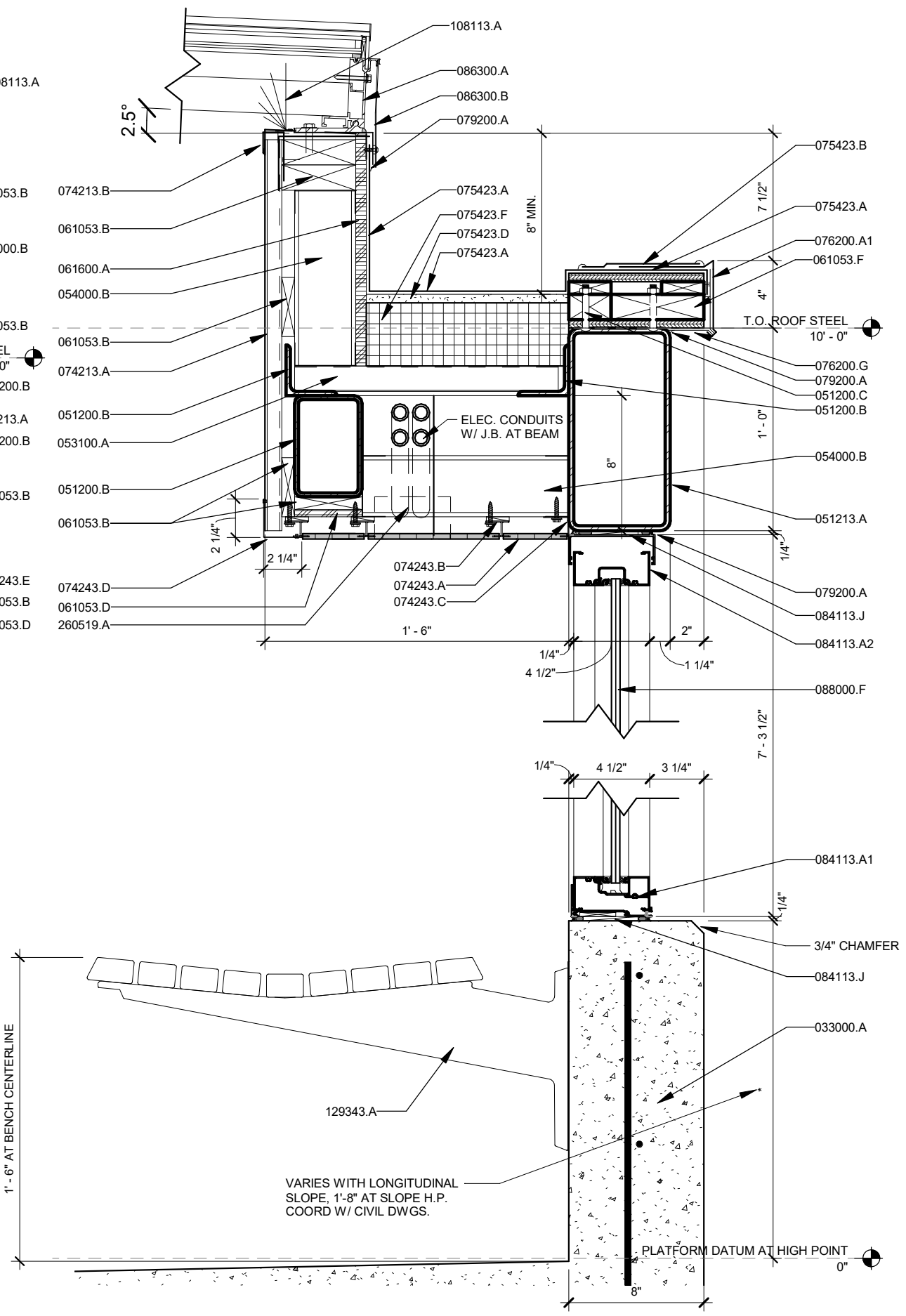
1  
**DETAIL - CANOPY EDGE AND SKYLIGHT HEAD**

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



2  
**DETAIL - SKYLIGHT JAMB**

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



3  
**DETAIL - STOREFRONT, CANOPY EDGE, AND SKYLIGHT SILL**

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

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60631225P  
CITY OF MADISON, DANE COUNTY, WI  
CONTRACT NO: 60631225C

SECTION DETAILS  
BUS RAPID TRANSIT  
CITY OF MADISON



60631225P

A401



| CONSTRUCTION KEYNOTES |  |
|-----------------------|--|
| KEY                   | DESCRIPTION  |
| 051200.B              | STRUCTURAL STEEL - HOT DIPPED GALVANIZED   |
| 051200.C              | 3/8" DIA. THREADED STUD WELDED TO STRUCTURAL STEEL MEMBER @ 32" O.C., STAGGERED                        |
| 051213.A              | ARCHITECTURALLY EXPOSED STRUCTURAL STEEL FRAMING - PAINT, SEE STRUCTURAL                               |
| 053100.A              | STEEL ROOF DECK  |
| 054000.A              | COLD FORMED METAL FRAMING - 2 1/2" @ 16" O.C. - PROVIDE BITUMINOUS COATING AT ALUM. RAIL ATTACHMENTS   |
| 054000.B              | COLD FORMED METAL FRAMING - 3 5/8" @ 16" O.C.  |
| 061053.F              | (2) LAYER 1/2" PRES. TRTD. PWD. SANDWICHING (2) PRES. TRTD. 2xs & 1xs - SCREW ENTIRE ASSEMBLY TOGETHER |
| 074243.A              | WOOD PATTERNED PHENOLIC SOFFIT PANEL W/ CONCEALED FASTENERS  |
| 074243.B              | METAL PLANK ATTACHMENT CLIP AND SHIM BY PHENOLIC PANEL INSTALLER                                       |
| 074243.C              | PREFINISHED VENTED BOTTOM/END CLOSURE BY PHENOLIC PANEL INSTALLER                                      |
| 074243.E              | CUSTOM PREFINISHED METAL END CLOSURE BY PHENOLIC PANEL INSTALLER.                                      |
| 075423.A              | FULLY ADHERED TPO MEMBRANE ROOFING   |
| 075423.B              | TPO ROOF FLASHING  |
| 075423.D              | COVER BOARD  |
| 075423.F              | TAPERED ROOFING INSULATION BOARD   |
| 075423.L              | TPO ROOF FLASHING BOOT AROUND STRUCTURE WITH TERMINATION BAR, SEAL TOP OF BAR WITH MASTIC.             |
| 076200.A1             | METAL GRAVEL STOP W/ CONTINUOUS HOOK STRIP AND BOTTOM CLOSURE  |
| 079200.A              | JOINT SEALANT  |
| 084113.A2             | ALUMINUM STOREFRONT HEAD FRAME & RECEIVER  |
| 084113.J              | SHIM, INSTALL SEALANT AND BACKER ROD AT INTERIOR & EXTERIOR FACE OF FRAME                              |
| 088000.F              | LAMINATED GLAZING  |

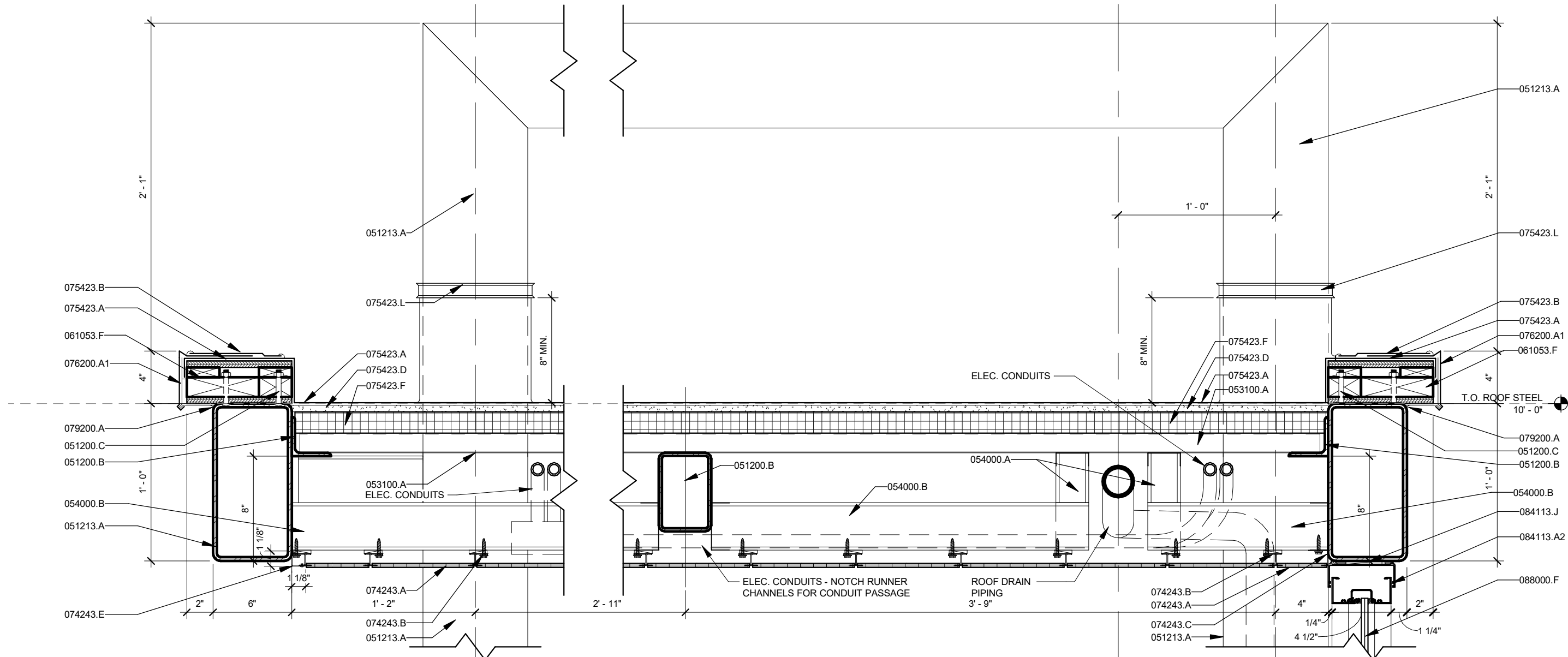
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 CITY OF MADISON, DANE COUNTY, WI  
 CONTRACT NO: 60631225C

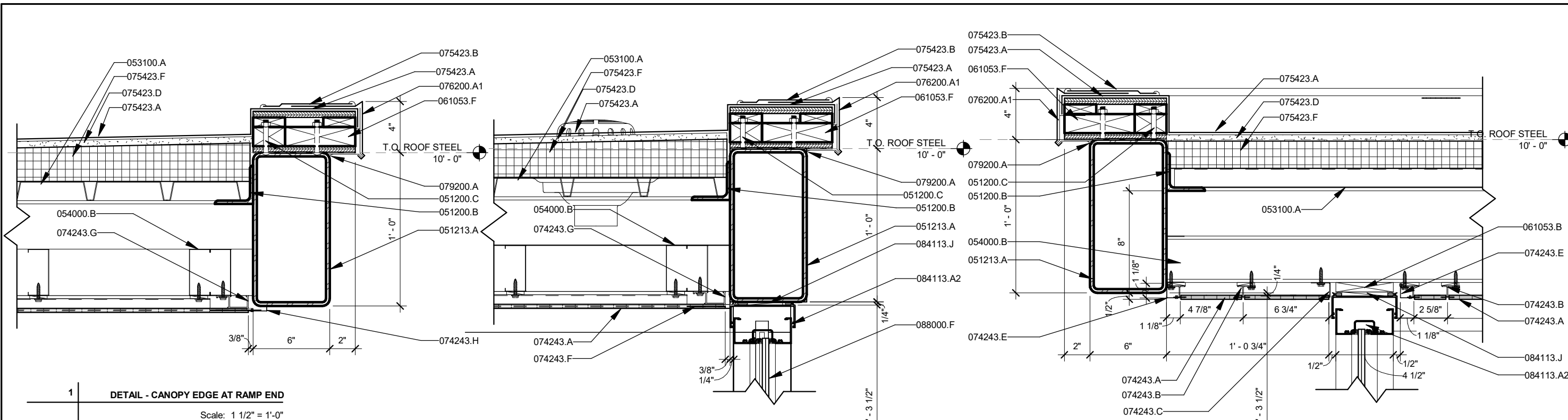
SECTION DETAILS  
 BUS RAPID TRANSIT  
 CITY OF MADISON



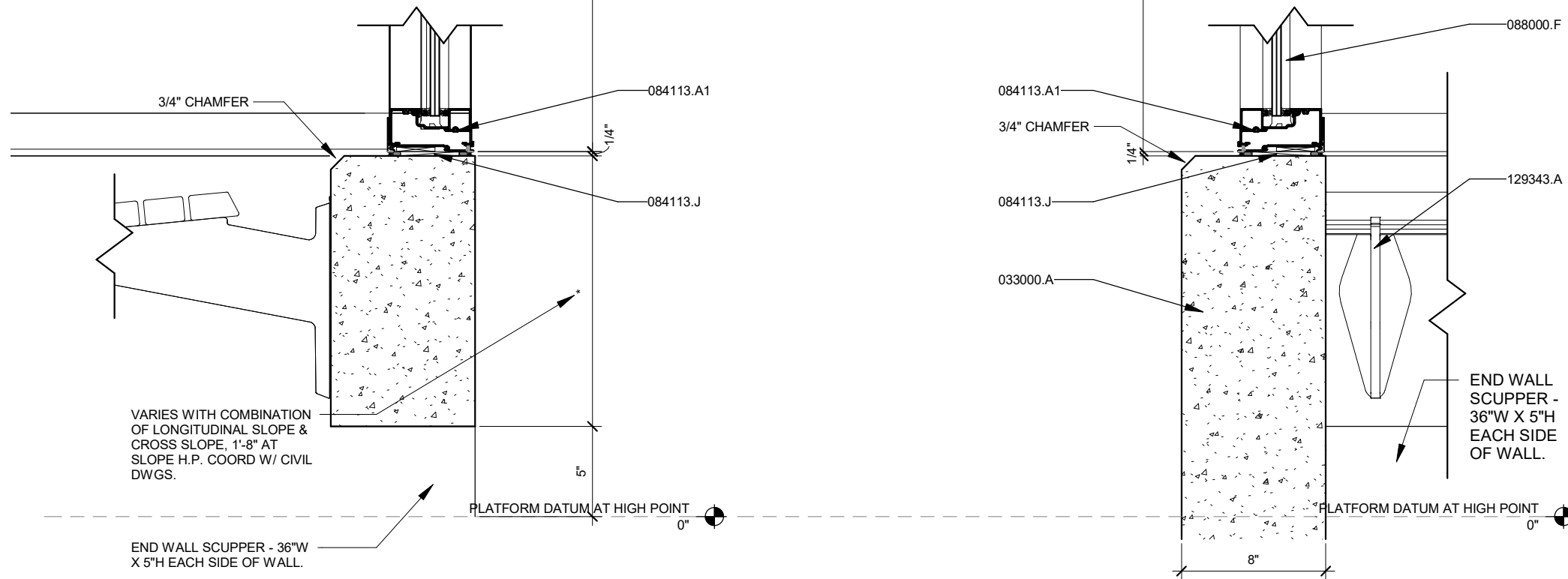
60631225P  
 A402



1  
 DETAIL - CANOPY EDGES, BEAM, AND COLUMNS THROUGH ROOF  
 Scale: 1 1/2" = 1'-0"



| CONSTRUCTION KEYNOTES |  |
|-----------------------|--|
| KEY                   | DESCRIPTION  |
| 033000.A              | CONCRETE - REFER TO STRUCTURAL DRAWINGS  |
| 051200.B              | STRUCTURAL STEEL- HOT DIPPED GALVANIZED  |
| 051200.C              | 3/8" DIA. THREADED STUD WELDED TO STRUCTURAL STEEL MEMBER @ 32" O.C., STAGGERED                        |
| 051213.A              | ARCHITECTURALLY EXPOSED STRUCTURAL STEEL FRAMING - PAINT, SEE STRUCTURAL                               |
| 053100.A              | STEEL ROOF DECK  |
| 054000.B              | COLD FORMED METAL FRAMING - 3 5/8" @ 16" O.C.  |
| 061053.B              | WOOD BLOCKING - PRESERVATIVE TREATED   |
| 061053.F              | (2) LAYER 1/2" PRES. TRTD. PWD. SANDWICHING (2) PRES. TRTD. 2xs & 1xs - SCREW ENTIRE ASSEMBLY TOGETHER |
| 074243.A              | WOOD PATTERNED PHENOLIC SOFFIT PANEL W/CONCEALED FASTENERS   |
| 074243.B              | METAL PLANK ATTACHMENT CLIP AND SHIM BY PHENOLIC PANEL INSTALLER                                       |
| 074243.C              | PREFINISHED VENTED BOTTOM/END CLOSURE BY PHENOLIC PANEL INSTALLER                                      |
| 074243.E              | CUSTOM PREFINISHED METAL END CLOSURE BY PHENOLIC PANEL INSTALLER                                       |
| 074243.F              | 3"x1" FLAT PREFINISHED METAL CLOSURE AT PANEL JOINTS BY PHENOLIC PANEL INSTALLER                       |
| 074243.G              | METAL TERMINATION FURRING EXTRUSION BY PHENOLIC PANEL INSTALLER  |
| 074243.H              | 1.5"x0.5" FLAT PREFINISHED METAL CLOSURE AT EXPOSED PANEL ENDS BY PHENOLIC PANEL INSTALLER             |
| 075423.A              | FULLY ADHERED TPO MEMBRANE ROOFING   |
| 075423.B              | TPO ROOF FLASHING  |
| 075423.D              | COVER BOARD  |
| 075423.F              | TAPERED ROOFING INSULATION BOARD   |
| 076200.A1             | METAL GRAVEL STOP W/ CONTINUOUS HOOK STRIP AND BOTTOM CLOSURE  |
| 079200.A              | JOINT SEALANT  |
| 084113.A1             | ALUMINUM STOREFRONT SILL FRAME & RECEIVER  |
| 084113.A2             | ALUMINUM STOREFRONT HEAD FRAME & RECEIVER  |
| 084113.J              | SHIM, INSTALL SEALANT AND BACKER ROD AT INTERIOR & EXTERIOR FACE OF FRAME                              |
| 088000.F              | LAMINATED GLAZING  |
| 129343.A              | WALL MOUNTED BENCH - SECURE TO CONCRETE WALL W/ (3) EPOXY ANCHORS PER BRACKET                          |



2 **DETAIL - STOREFRONT AND CANOPY EDGE AT END WALL**  
Scale: 1 1/2" = 1'-0"

3 **DETAIL - STOREFRONT AT STREET SIDE**  
Scale: 1 1/2" = 1'-0"

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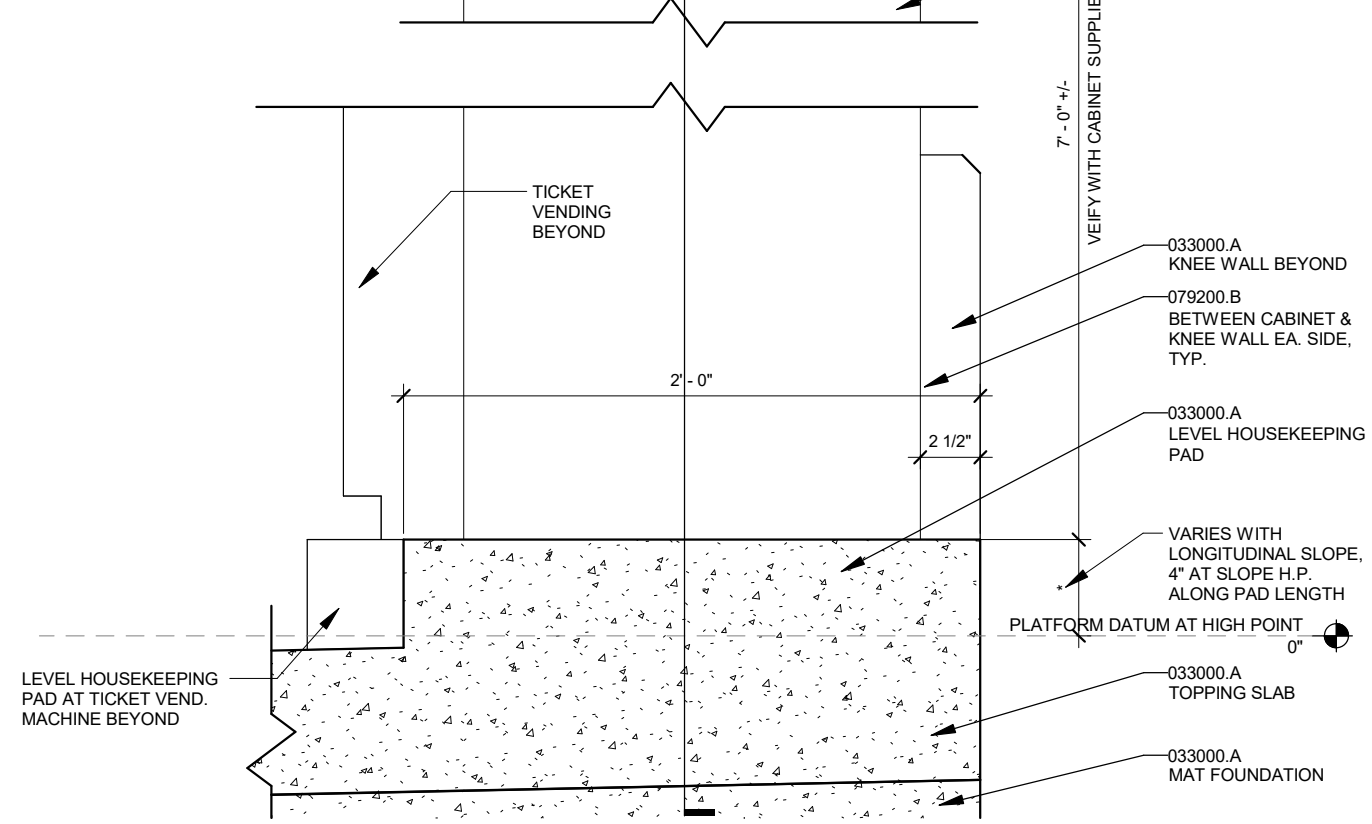
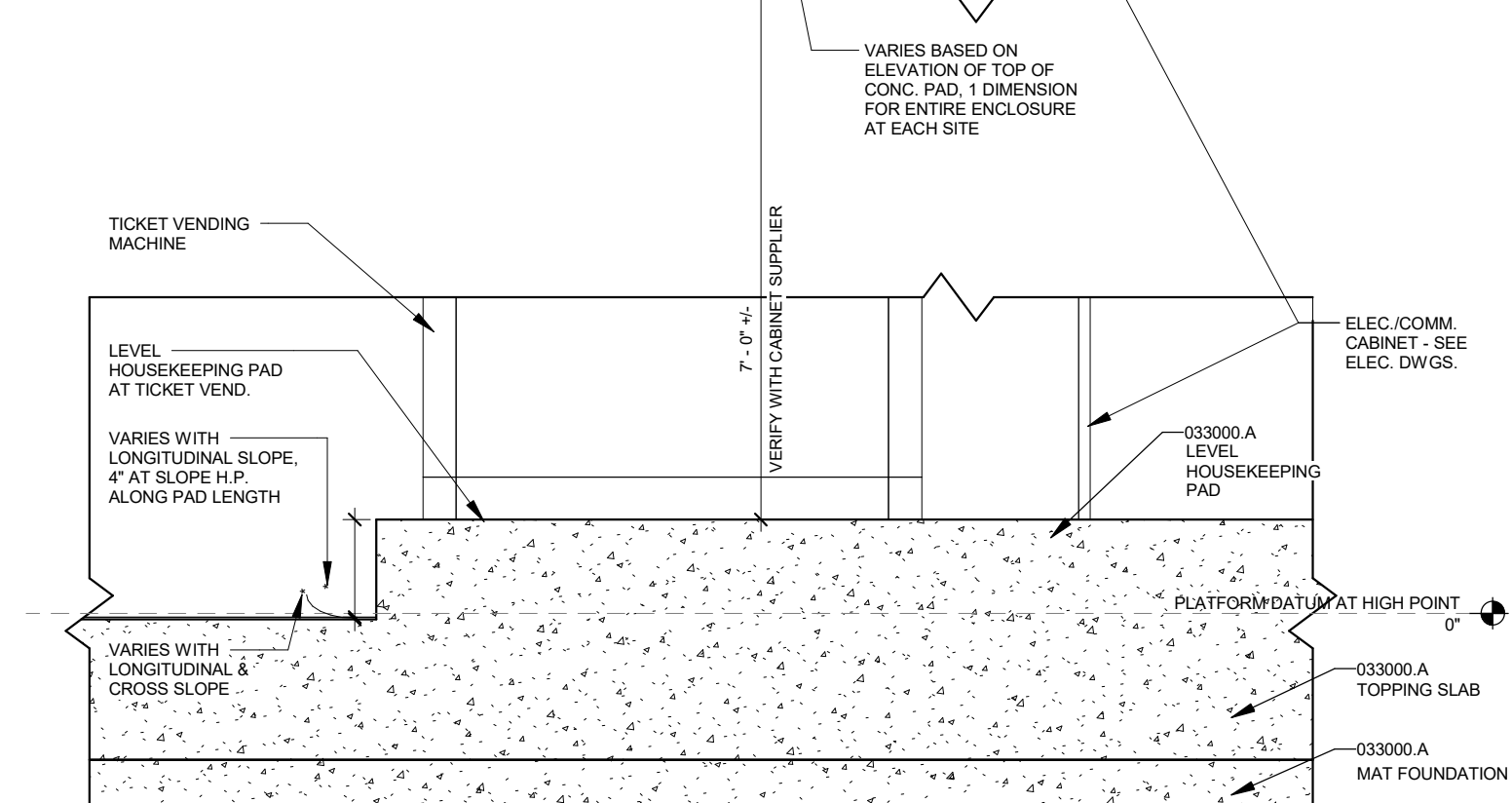
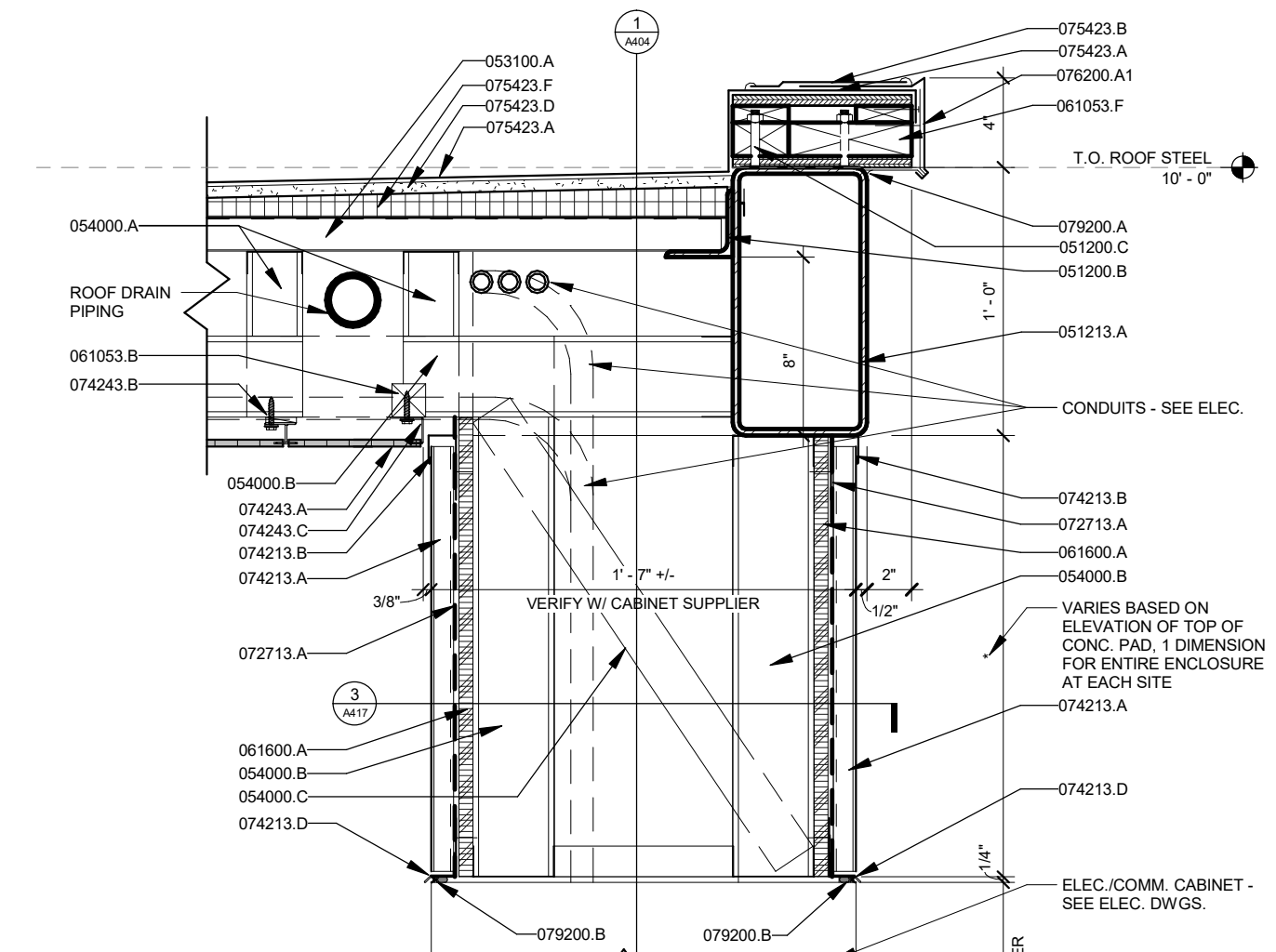
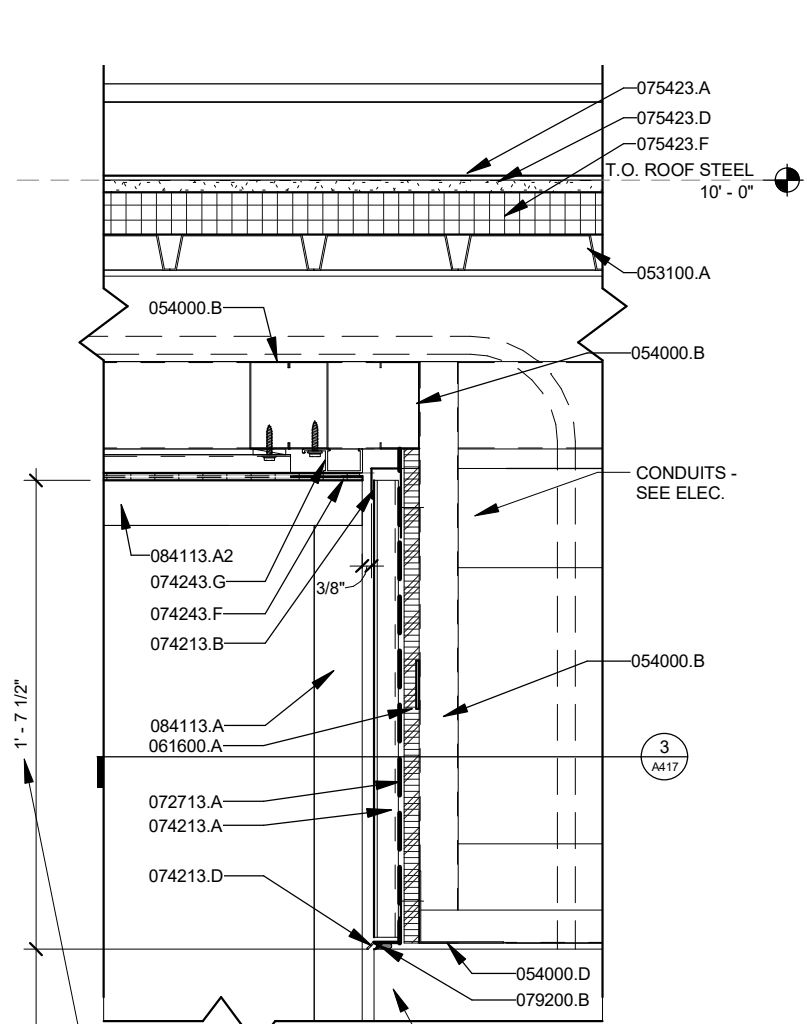
60631225P  
CITY OF MADISON, DANE COUNTY, WI  
CONTRACT NO: 60631225C

SECTION DETAILS  
BUS RAPID TRANSIT  
CITY OF MADISON



60631225P  
A403

| CONSTRUCTION KEYNOTES |  |
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| KEY                   | DESCRIPTION  |
| 033000.A              | CONCRETE - REFER TO STRUCTURAL DRAWINGS  |
| 051200.B              | STRUCTURAL STEEL - HOT DIPPED GALVANIZED   |
| 051200.C              | 3/8" DIA. THREADED STUD WELDED TO STRUCTURAL STEEL MEMBER @ 32" O.C., STAGGERED                        |
| 051213.A              | ARCHITECTURALLY EXPOSED STRUCTURAL STEEL FRAMING - PAINT, SEE STRUCTURAL                               |
| 053100.A              | STEEL ROOF DECK  |
| 054000.A              | COLD FORMED METAL FRAMING - 2 1/2" @ 16" O.C. - PROVIDE BITUMINOUS COATING AT ALUM. RAIL ATTACHMENTS   |
| 054000.B              | COLD FORMED METAL FRAMING - 3 5/8" @ 16" O.C.  |
| 054000.C              | 2"x 16 GA. METAL STRAP BRACING AT ENCLOSURE ENDS BY CFMS INSTALLER                                     |
| 054000.D              | 2"x2" LIGHT GAUGE METAL ANGLE BY CFMS INSTALLER  |
| 061053.B              | WOOD BLOCKING - PRESERVATIVE TREATED   |
| 061053.F              | (2) LAYER 1/2" PRES. TRTD. PWD. SANDWICHING (2) PRES. TRTD. 2xs & 1xs - SCREW ENTIRE ASSEMBLY TOGETHER |
| 061600.A              | PLYWOOD OR OSB WALL SHEATHING  |
| 072713.A              | MODIFIED BITUMINOUS SHEET AIR BARRIER SYSTEM   |
| 074213.A              | FLUSH CONCEALED FASTENER METAL WALL PANELS   |
| 074213.B              | METAL WALL PANEL SHEET METAL J TRIM  |
| 074213.D              | METAL WALL PANEL SHEET METAL SILL FLASHING   |
| 074243.A              | WOOD PATTERNED PHENOLIC SOFFIT PANEL W/CONCEALED FASTENERS   |
| 074243.B              | METAL PLANK ATTACHMENT CLIP AND SHIM BY PHENOLIC PANEL INSTALLER                                       |
| 074243.C              | PREFINISHED VENTED BOTTOM/END CLOSURE BY PHENOLIC PANEL INSTALLER                                      |
| 074243.F              | 3"x1" FLAT PREFINISHED METAL CLOSURE AT PANEL JOINTS BY PHENOLIC PANEL INSTALLER                       |
| 074243.G              | METAL TERMINATION FURRING EXTRUSION BY PHENOLIC PANEL INSTALLER  |
| 075423.A              | FULLY ADHERED TPO MEMBRANE ROOFING   |
| 075423.B              | TPO ROOF FLASHING  |
| 075423.D              | COVER BOARD  |
| 075423.F              | TAPERED ROOFING INSULATION BOARD   |
| 076200.A1             | METAL GRAVEL STOP W/ CONTINUOUS HOOK STRIP AND BOTTOM CLOSURE  |
| 079200.A              | JOINT SEALANT  |
| 079200.B              | JOINT SEALANT WITH BACKER ROD  |
| 084113.A              | ALUMINUM STOREFRONT FRAMING  |
| 084113.A2             | ALUMINUM STOREFRONT HEAD FRAME & RECEIVER  |



1 | DETAIL - SECTION AT ELEC./COMM. CABINET SIDE

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

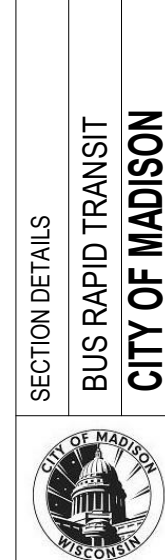
2 | DETAIL - SECTION AT ELEC./COMM. CABINET

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

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60631225P  
 CITY OF MADISON, DANE COUNTY, WI  
 CONTRACT NO: 60631225C

SECTION DETAILS  
 BUS RAPID TRANSIT  
 CITY OF MADISON

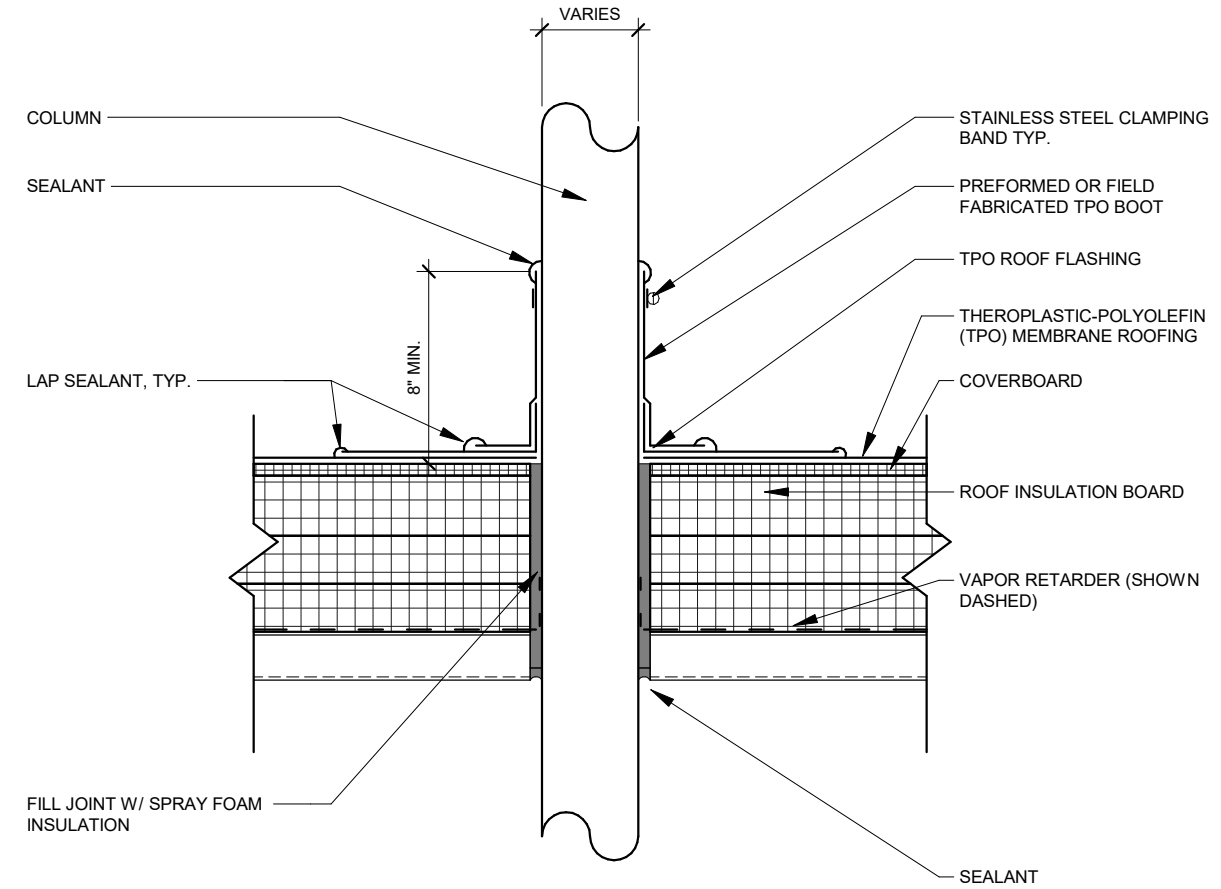


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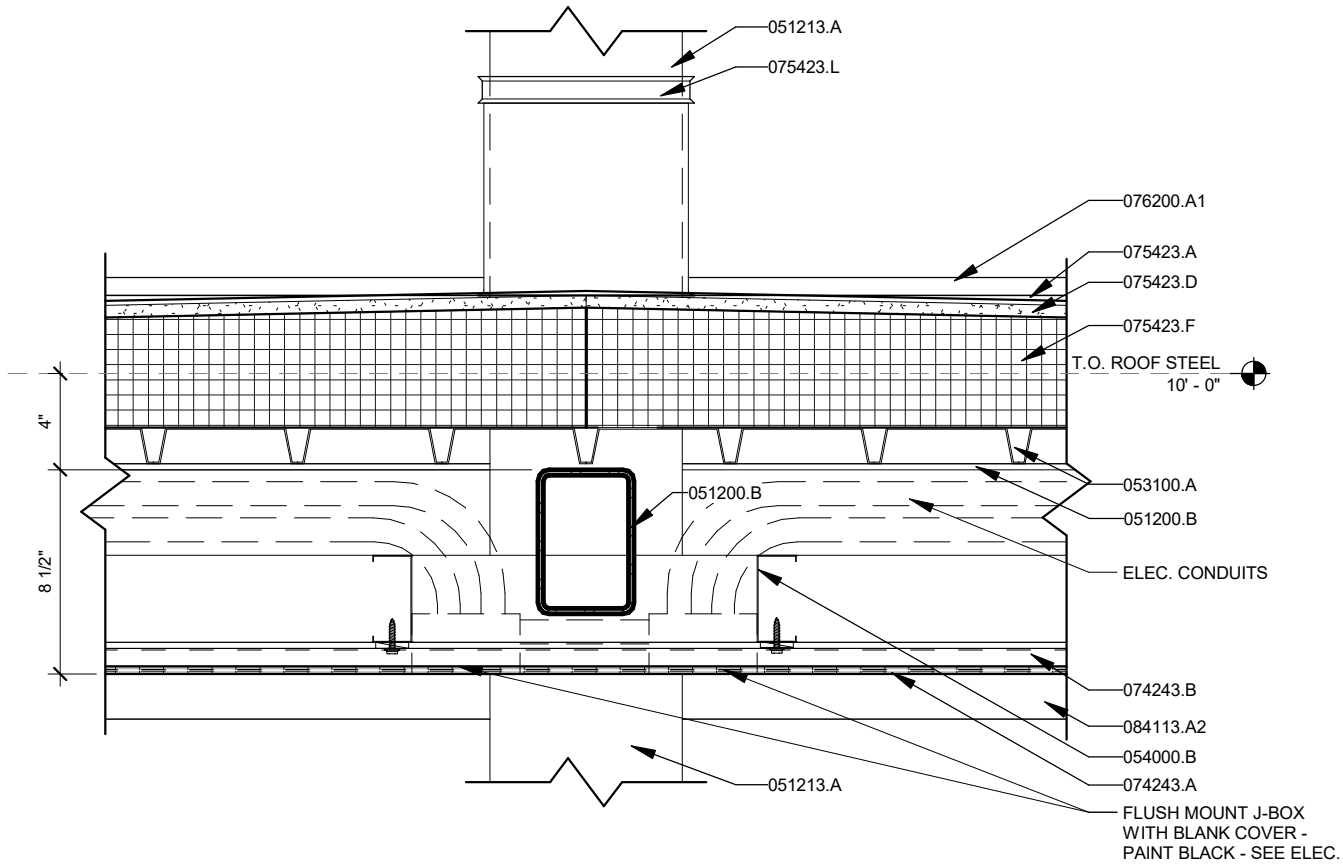
**CONSTRUCTION KEYNOTES**

| KEY       | DESCRIPTION  |
|-----------|--|
| 051200.B  | STRUCTURAL STEEL- HOT DIPPED GALVANIZED  |
| 051213.A  | ARCHITECTURALLY EXPOSED STRUCTURAL STEEL FRAMING - PAINT, SEE STRUCTURAL                   |
| 053100.A  | STEEL ROOF DECK  |
| 054000.B  | COLD FORMED METAL FRAMING - 3 5/8" @ 16" O.C.  |
| 061000.B  | WOOD FRAMING - PRESERVATIVE TREATED  |
| 061053.B  | WOOD BLOCKING - PRESERVATIVE TREATED   |
| 074243.A  | WOOD PATTERNED PHENOLIC SOFFIT PANEL W/CONCEALED FASTENERS                                 |
| 074243.B  | METAL PLANK ATTACHMENT CLIP AND SHIM BY PHENOLIC PANEL INSTALLER                           |
| 075423.A  | FULLY ADHERED TPO MEMBRANE ROOFING   |
| 075423.B  | TPO ROOF FLASHING  |
| 075423.D  | COVER BOARD  |
| 075423.F  | TAPERED ROOFING INSULATION BOARD   |
| 075423.L  | TPO ROOF FLASHING BOOT AROUND STRUCTURE WITH TERMINATION BAR, SEAL TOP OF BAR WITH MASTIC. |
| 076200.A1 | METAL GRAVEL STOP W/ CONTINUOUS HOOK STRIP AND BOTTOM CLOSURE                              |
| 084113.A2 | ALUMINUM STOREFRONT HEAD FRAME & RECEIVER  |



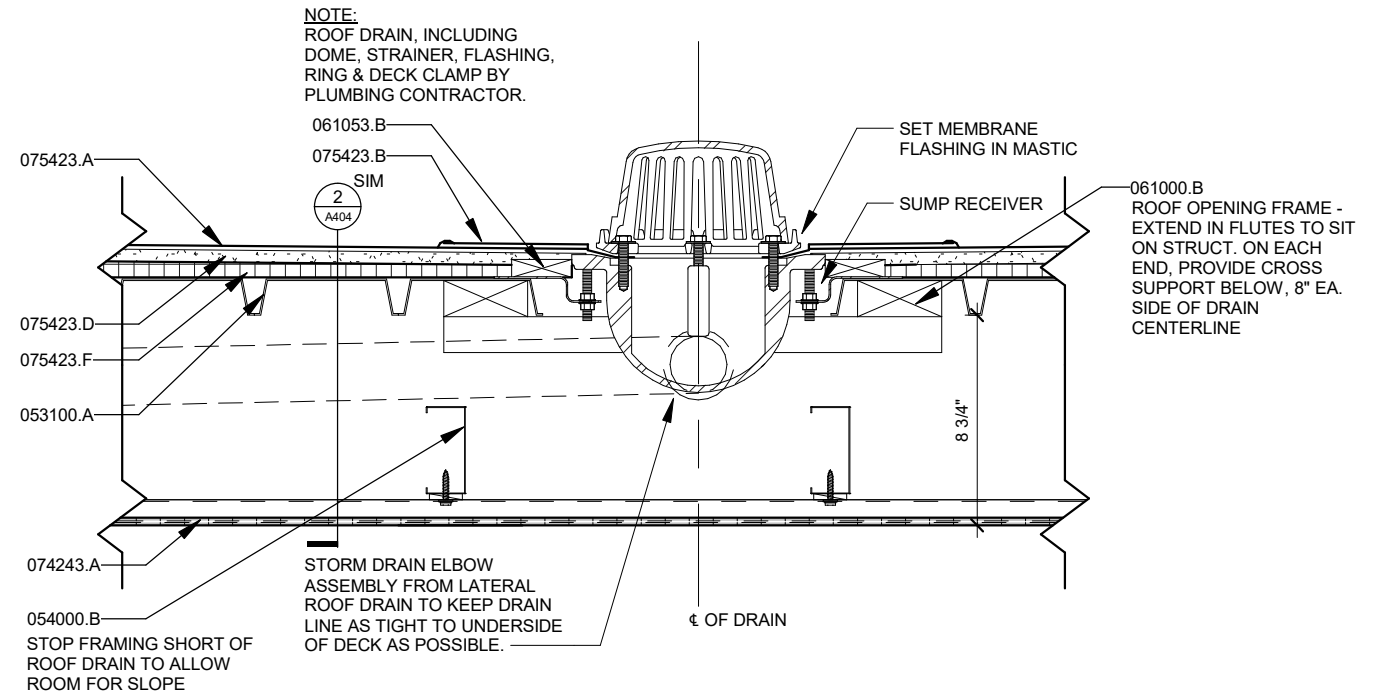
3 | **TYPICAL PENETRATION THROUGH ROOF**

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



2 | **DETAIL - CONDUITS AT STRUCTURE**

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



1 | **TYPICAL ROOF DRAIN**

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

60631225P  
 CITY OF MADISON, DANE COUNTY, WI  
 CONTRACT NO: 60631225C

SECTION DETAILS  
 BUS RAPID TRANSIT  
 CITY OF MADISON



60631225P

A405

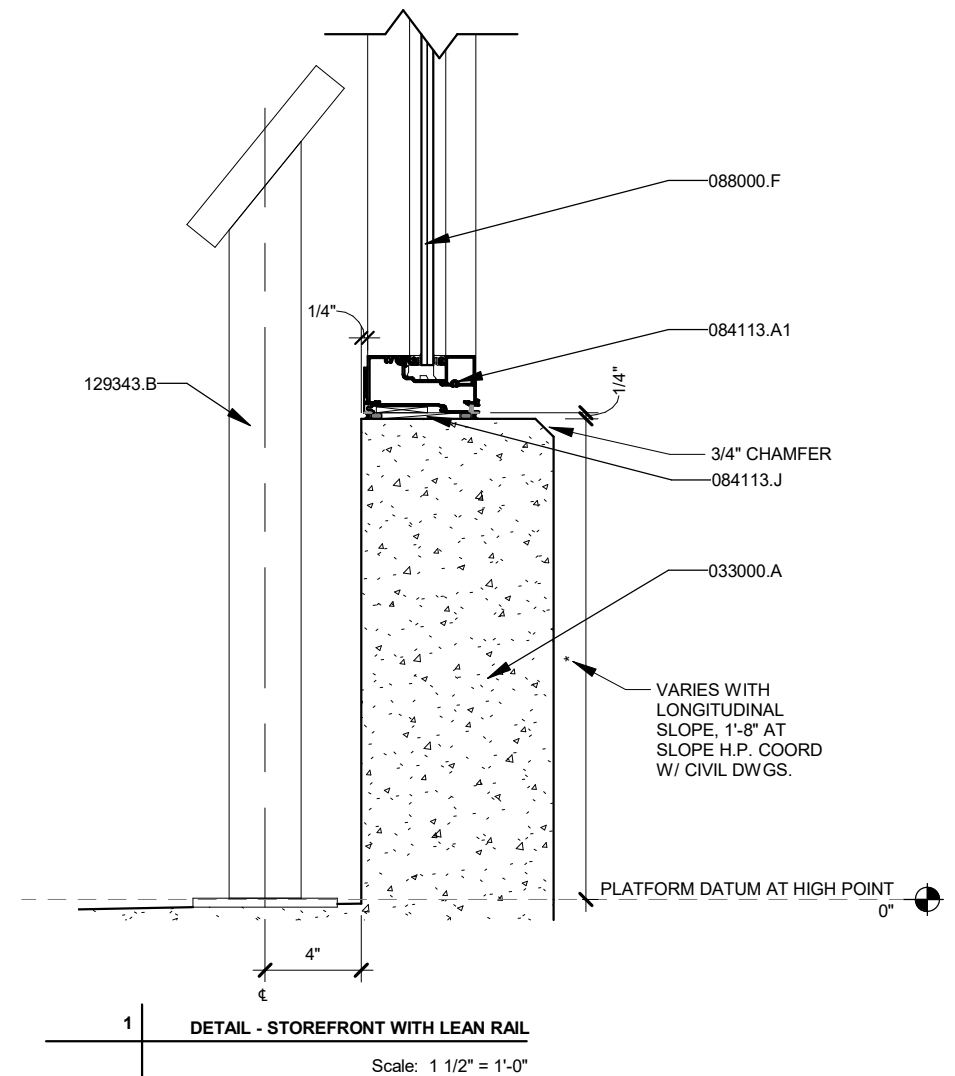
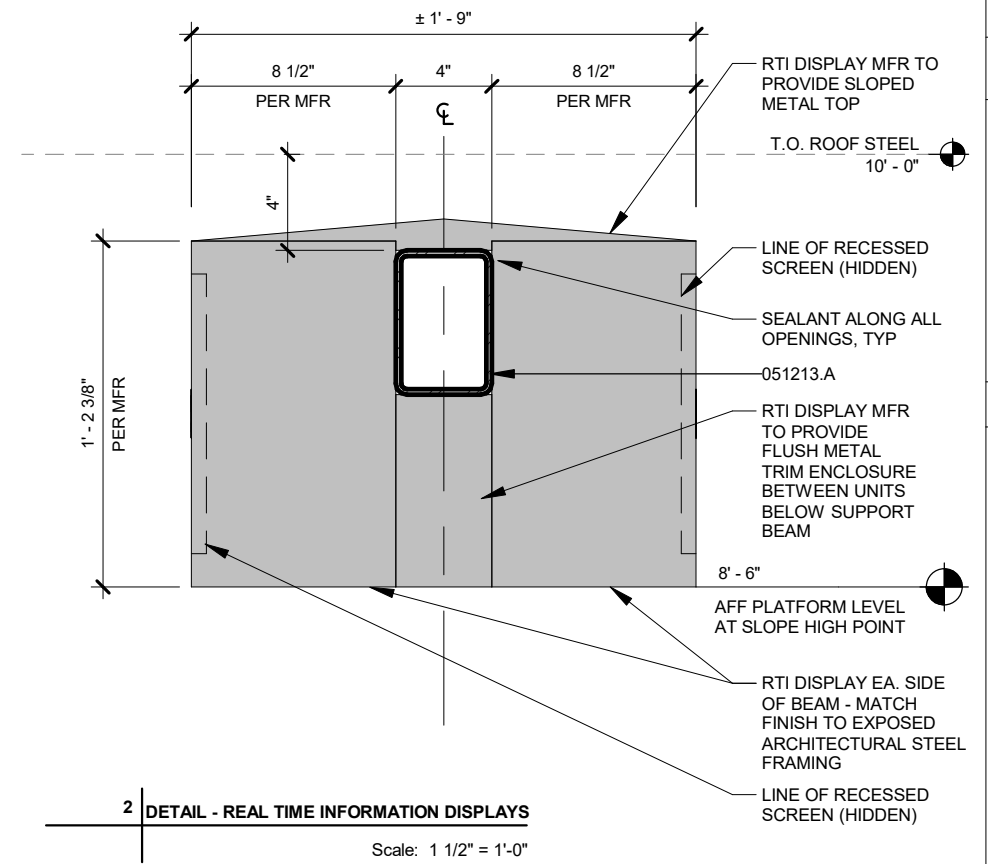
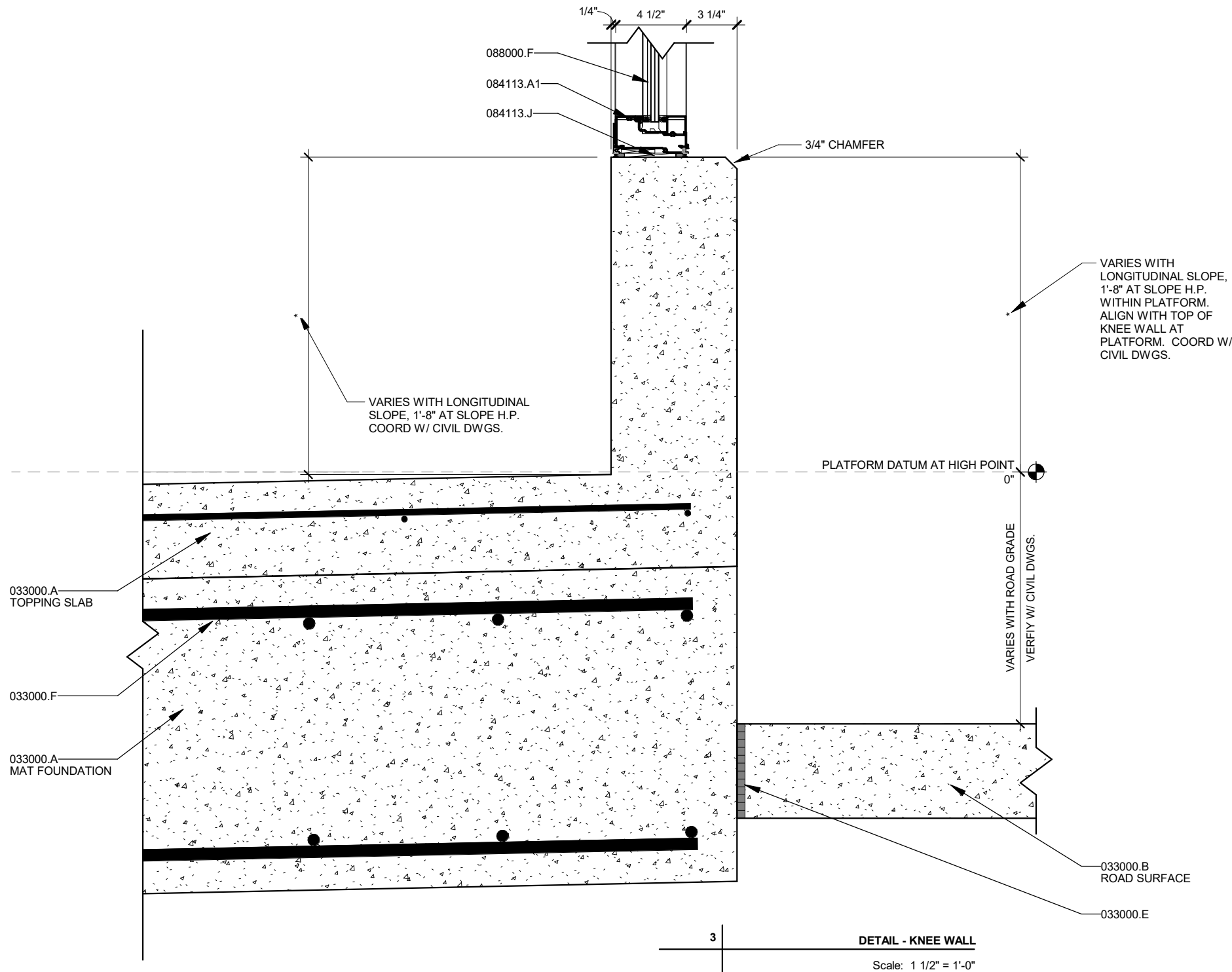
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**CONSTRUCTION KEYNOTES**

| KEY       | DESCRIPTION  |
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| 033000.A  | CONCRETE - REFER TO STRUCTURAL DRAWINGS  |
| 033000.B  | CONCRETE - REFER TO CIVIL DRAWINGS   |
| 033000.E  | EXPANSION & ISOLATION JOINT FILLER STRIP   |
| 033000.F  | REINFORCING - REFER TO STRUCTURAL DRAWINGS   |
| 051213.A  | ARCHITECTURALLY EXPOSED STRUCTURAL STEEL FRAMING - PAINT, SEE STRUCTURAL           |
| 084113.A1 | ALUMINUM STOREFRONT SILL FRAME & RECEIVER  |
| 084113.J  | SHIM, INSTALL SEALANT AND BACKER ROD AT INTERIOR & EXTERIOR FACE OF FRAME          |
| 088000.F  | LAMINATED GLAZING  |
| 129343.B  | FLOOR MOUNTED LEAN RAIL - SECURE TO CONCRETE SLAB W/ (2) EPOXY ANCHORS PER BRACKET |



60631225P  
CITY OF MADISON, DANE COUNTY, WI  
SECTION DETAILS  
BUS RAPID TRANSIT  
CITY OF MADISON



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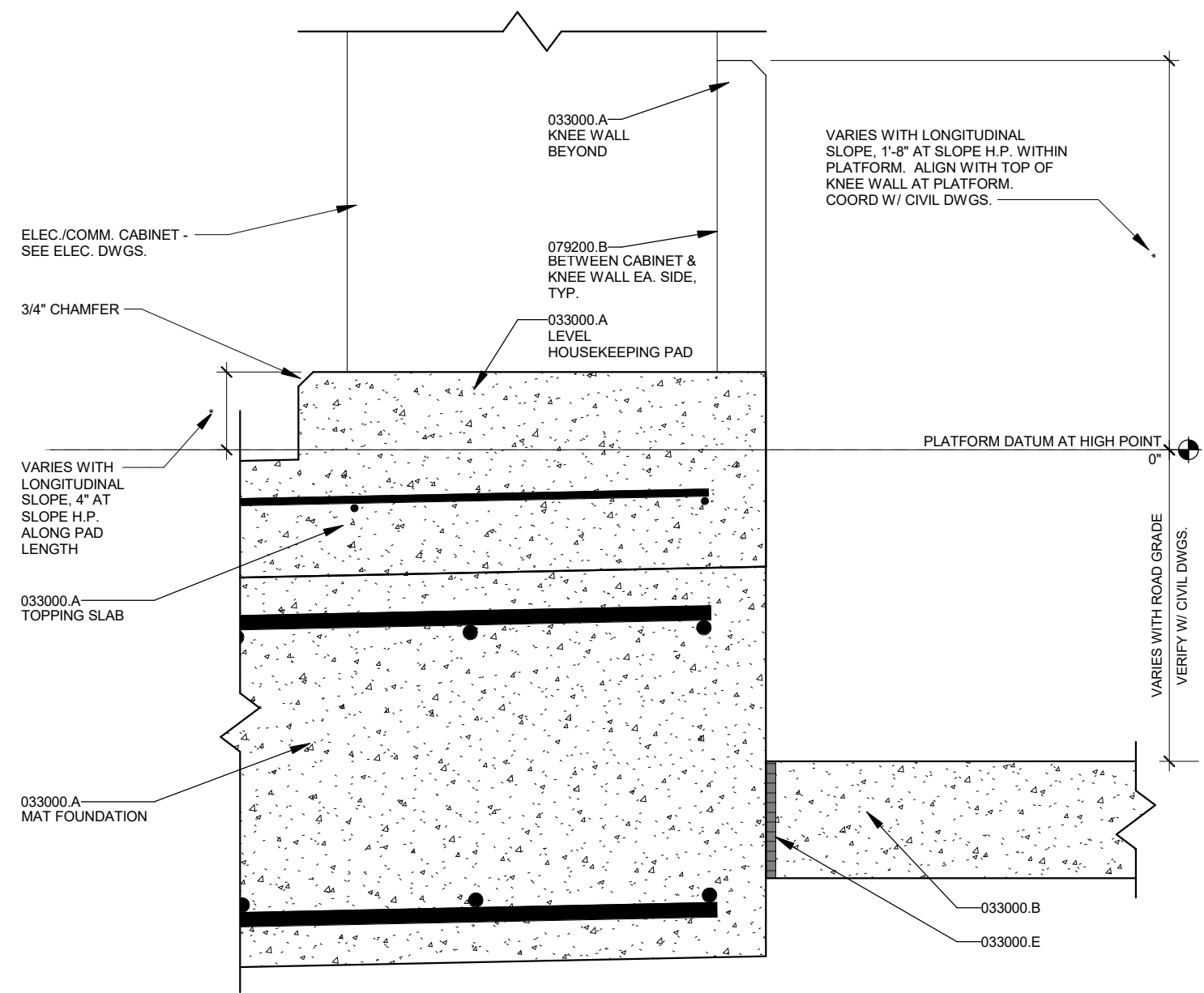
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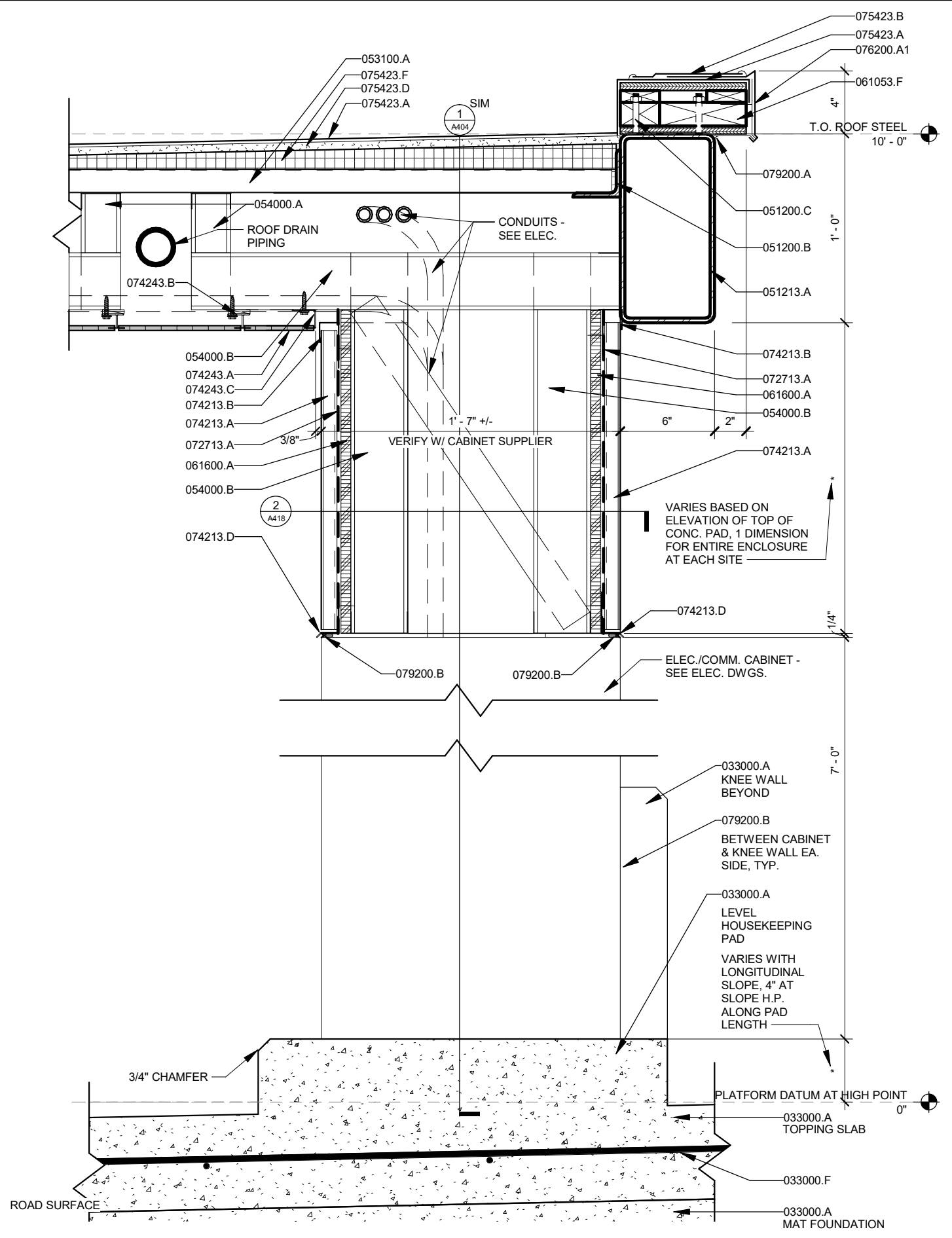
| CONSTRUCTION KEYNOTES |  |
|-----------------------|--|
| KEY                   | DESCRIPTION  |
| 033000.A              | CONCRETE - REFER TO STRUCTURAL DRAWINGS  |
| 033000.B              | CONCRETE - REFER TO CIVIL DRAWINGS   |
| 033000.E              | EXPANSION & ISOLATION JOINT FILLER STRIP   |
| 033000.F              | REINFORCING - REFER TO STRUCTURAL DRAWINGS   |
| 051200.B              | STRUCTURAL STEEL - HOT DIPPED GALVANIZED   |
| 051200.C              | 3/8" DIA. THREADED STUD WELDED TO STRUCTURAL STEEL MEMBER @ 32" O.C., STAGGERED                        |
| 051213.A              | ARCHITECTURALLY EXPOSED STRUCTURAL STEEL FRAMING - PAINT, SEE STRUCTURAL                               |
| 053100.A              | STEEL ROOF DECK  |
| 054000.A              | COLD FORMED METAL FRAMING - 2 1/2" @ 16" O.C. - PROVIDE BITUMINOUS COATING AT ALUM. RAIL ATTACHMENTS   |
| 054000.B              | COLD FORMED METAL FRAMING - 3 5/8" @ 16" O.C.  |
| 061053.F              | (2) LAYER 1/2" PRES. TRTD. PWD. SANDWICHING (2) PRES. TRTD. 2xs & 1xs - SCREW ENTIRE ASSEMBLY TOGETHER |
| 061600.A              | PLYWOOD OR OSB WALL SHEATHING  |
| 072713.A              | MODIFIED BITUMINOUS SHEET AIR BARRIER SYSTEM   |

| CONSTRUCTION KEYNOTES |   |
|-----------------------|---|
| KEY                   | DESCRIPTION   |
| 074213.A              | FLUSH CONCEALED FASTENER METAL WALL PANELS                        |
| 074213.B              | METAL WALL PANEL SHEET METAL J TRIM                               |
| 074213.D              | METAL WALL PANEL SHEET METAL SILL FLASHING                        |
| 074243.A              | WOOD PATTERNED PHENOLIC SOFFIT PANEL W/CONCEALED FASTENERS        |
| 074243.B              | METAL PLANK ATTACHMENT CLIP AND SHIM BY PHENOLIC PANEL INSTALLER  |
| 074243.C              | PREFINISHED VENTED BOTTOM/END CLOSURE BY PHENOLIC PANEL INSTALLER |
| 075423.A              | FULLY ADHERED TPO MEMBRANE ROOFING                                |
| 075423.B              | TPO ROOF FLASHING   |
| 075423.D              | COVER BOARD   |
| 075423.F              | TAPERED ROOFING INSULATION BOARD                                  |
| 076200.A1             | METAL GRAVEL STOP W/ CONTINUOUS HOOK STRIP AND BOTTOM CLOSURE     |
| 079200.A              | JOINT SEALANT   |
| 079200.B              | JOINT SEALANT WITH BACKER ROD                                     |



2 DETAIL - SECTION AT ELEC./COMM. CABINET

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



1 DETAIL - SECTION AT ELEC./COMM. CABINET TYPE B

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

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60631225P  
CITY OF MADISON, DANE COUNTY, WI  
CONTRACT NO: 60631225C

SECTION DETAILS  
BUS RAPID TRANSIT  
CITY OF MADISON

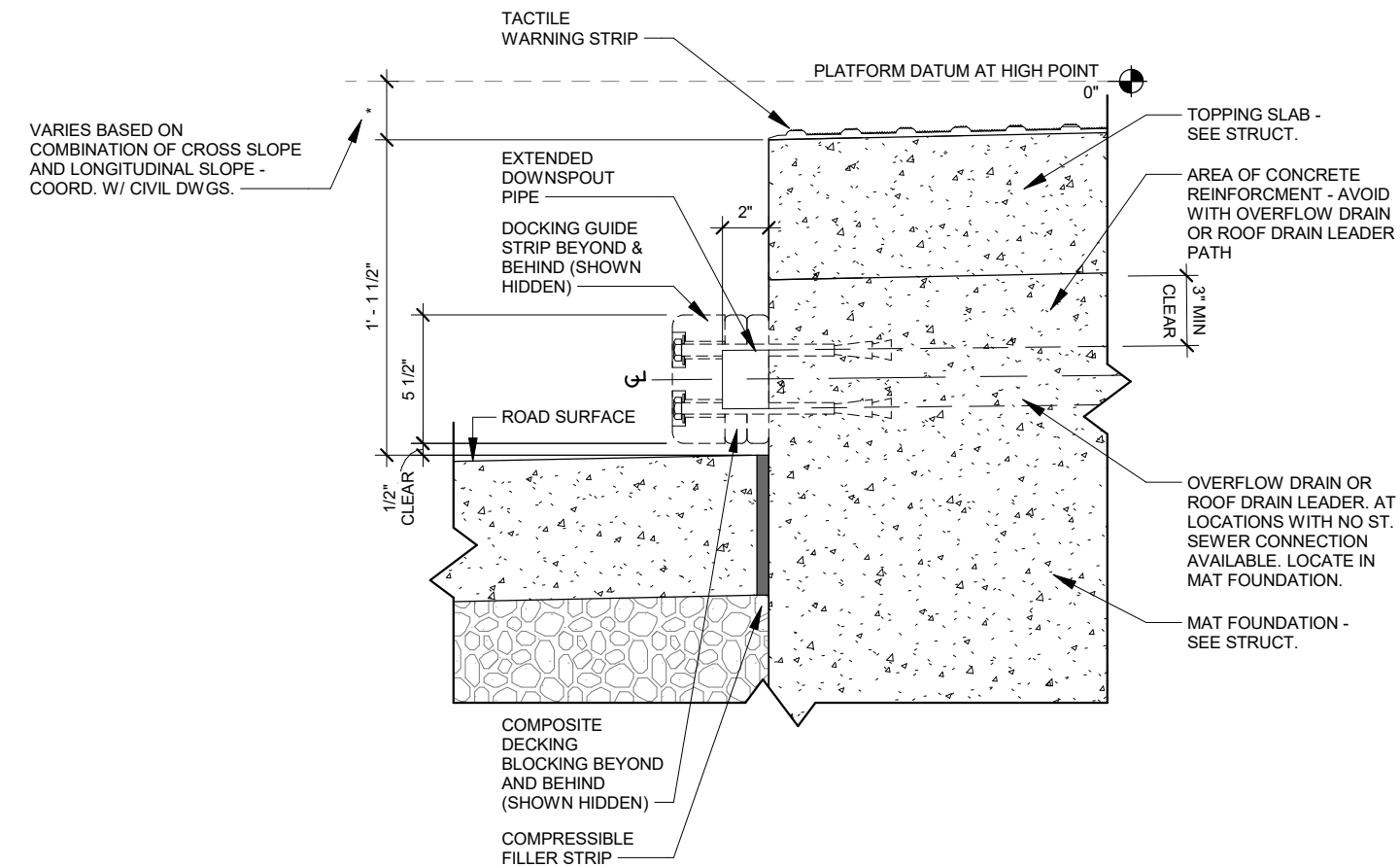


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CONSTRUCTION KEYNOTES

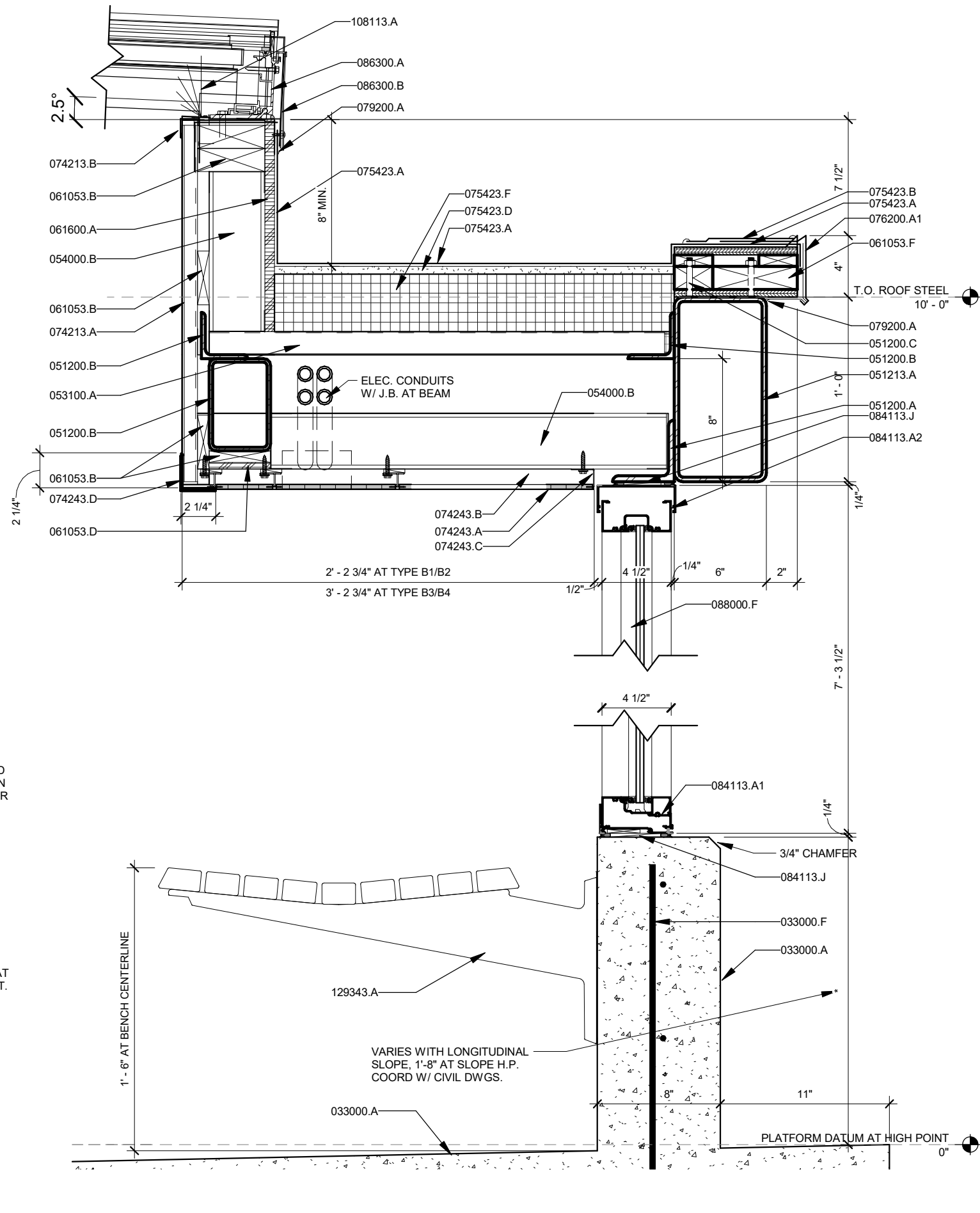
| KEY       | DESCRIPTION  |
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| 033000.A  | CONCRETE - REFER TO STRUCTURAL DRAWINGS  |
| 033000.F  | REINFORCING - REFER TO STRUCTURAL DRAWINGS   |
| 051200.A  | STRUCTURAL STEEL   |
| 051200.B  | STRUCTURAL STEEL- HOT DIPPED GALVANIZED  |
| 051200.C  | 3/8" DIA. THREADED STUD WELDED TO STRUCTURAL STEEL MEMBER @ 32" O.C., STAGGERED                        |
| 051213.A  | ARCHITECTURALLY EXPOSED STRUCTURAL STEEL FRAMING - PAINT, SEE STRUCTURAL                               |
| 053100.A  | STEEL ROOF DECK  |
| 054000.B  | COLD FORMED METAL FRAMING - 3 5/8" @ 16" O.C.  |
| 061053.B  | WOOD BLOCKING - PRESERVATIVE TREATED   |
| 061053.D  | PLYWOOD - PRESERVATIVE TREATED   |
| 061053.F  | (2) LAYER 1/2" PRES. TRTD. PWD. SANDWICHING (2) PRES. TRTD. 2xs & 1xs - SCREW ENTIRE ASSEMBLY TOGETHER |
| 061600.A  | PLYWOOD OR OSB WALL SHEATHING  |
| 074213.A  | FLUSH CONCEALED FASTENER METAL WALL PANELS   |
| 074213.B  | METAL WALL PANEL SHEET METAL J TRIM  |
| 074243.A  | WOOD PATTERNED PHENOLIC SOFFIT PANEL W/CONCEALED FASTENERS   |
| 074243.B  | METAL PLANK ATTACHMENT CLIP AND SHIM BY PHENOLIC PANEL INSTALLER                                       |
| 074243.C  | PREFINISHED VENTED BOTTOM/END CLOSURE BY PHENOLIC PANEL INSTALLER                                      |
| 074243.D  | CUSTOM PREFINISHED METAL TOP/END CLOSURE BY PHENOLIC PANEL INSTALLER. RIVET TO FLUSH METAL WALL PANELS |
| 075423.A  | FULLY ADHERED TPO MEMBRANE ROOFING   |
| 075423.B  | TPO ROOF FLASHING  |
| 075423.D  | COVER BOARD  |
| 075423.F  | TAPERED ROOFING INSULATION BOARD   |
| 076200.A1 | METAL GRAVEL STOP W/ CONTINUOUS HOOK STRIP AND BOTTOM CLOSURE  |
| 079200.A  | JOINT SEALANT  |
| 084113.A1 | ALUMINUM STOREFRONT SILL FRAME & RECEIVER  |
| 084113.A2 | ALUMINUM STOREFRONT HEAD FRAME & RECEIVER  |
| 084113.J  | SHIM, INSTALL SEALANT AND BACKER ROD AT INTERIOR & EXTERIOR FACE OF FRAME                              |
| 086300.A  | METAL FRAMED SKYLIGHT  |
| 086300.B  | SKYLIGHT FLASHING & CLOSURES   |
| 088000.F  | LAMINATED GLAZING  |
| 108113.A  | BIRD CONTROL DEVICES   |
| 129343.A  | WALL MOUNTED BENCH - SECURE TO CONCRETE WALL W/ (3) EPOXY ANCHORS PER BRACKET                          |



2

SECTION - TYPICAL PLATFORM DOCKING GUIDE STRIP

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



1

DETAIL - STOREFRONT, CANOPY EDGE, AND SKYLIGHT SILL TYPE B

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

60631225P

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

SECTION DETAILS

BUS RAPID TRANSIT  
CITY OF MADISON



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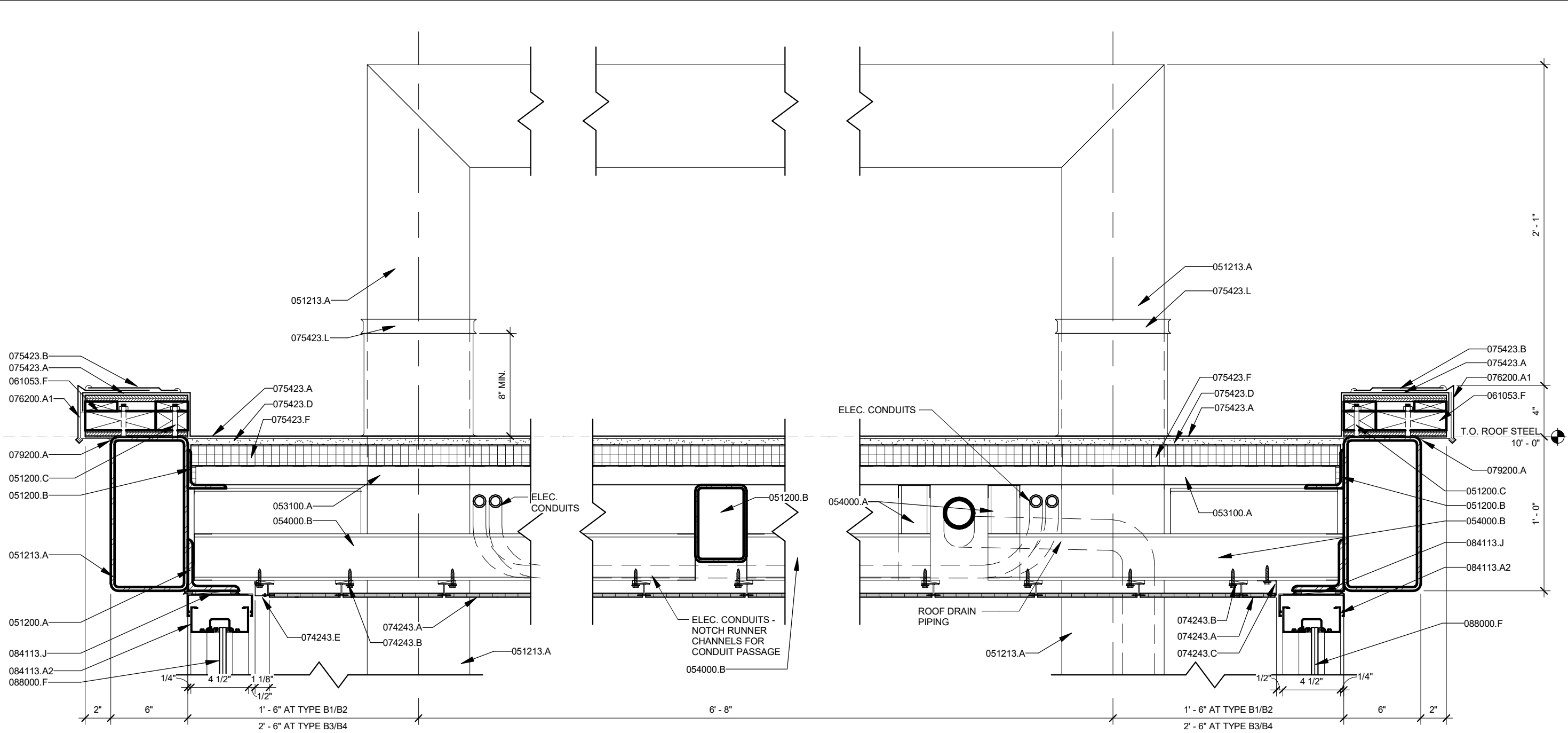
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Date: 2022-03-08

Scale: ---



1  
**DETAIL - CANOPY EDGES, BEAM, AND COLUMNS THROUGH ROOF TYPE B**  
 Scale: 1 1/2" = 1'-0"

| CONSTRUCTION KEYNOTES |  |
|-----------------------|--|
| KEY                   | DESCRIPTION  |
| 051200.A              | STRUCTURAL STEEL   |
| 051200.B              | STRUCTURAL STEEL- HOT DIPPED GALVANIZED  |
| 051200.C              | 3/8" DIA. THREADED STUD WELDED TO STRUCTURAL STEEL MEMBER @ 32" O.C., STAGGERED                        |
| 051213.A              | ARCHITECTURALLY EXPOSED STRUCTURAL STEEL FRAMING - PAINT, SEE STRUCTURAL                               |
| 053100.A              | STEEL ROOF DECK  |
| 054000.A              | COLD FORMED METAL FRAMING - 2 1/2" @ 16" O.C. - PROVIDE BITUMINOUS COATING AT ALUM. RAIL ATTACHMENTS   |
| 054000.B              | COLD FORMED METAL FRAMING - 3 5/8" @ 16" O.C.  |
| 061053.F              | (2) LAYER 1/2" PRES. TRTD. PWD. SANDWICHING (2) PRES. TRTD. 2xs & 1xs - SCREW ENTIRE ASSEMBLY TOGETHER |
| 074243.A              | WOOD PATTERNED PHENOLIC SOFFIT PANEL W/ CONCEALED FASTENERS  |
| 074243.B              | METAL PLANK ATTACHMENT CLIP AND SHIM BY PHENOLIC PANEL INSTALLER                                       |

| CONSTRUCTION KEYNOTES |  |
|-----------------------|--|
| KEY                   | DESCRIPTION  |
| 074243.C              | PREFINISHED VENTED BOTTOM/END CLOSURE BY PHENOLIC PANEL INSTALLER                          |
| 074243.E              | CUSTOM PREFINISHED METAL END CLOSURE BY PHENOLIC PANEL INSTALLER.                          |
| 075423.A              | FULLY ADHERED TPO MEMBRANE ROOFING   |
| 075423.B              | TPO ROOF FLASHING  |
| 075423.D              | COVER BOARD  |
| 075423.F              | TAPERED ROOFING INSULATION BOARD   |
| 075423.L              | TPO ROOF FLASHING BOOT AROUND STRUCTURE WITH TERMINATION BAR, SEAL TOP OF BAR WITH MASTIC. |
| 076200.A1             | METAL GRAVEL STOP W/ CONTINUOUS HOOK STRIP AND BOTTOM CLOSURE                              |
| 079200.A              | JOINT SEALANT  |
| 084113.A2             | ALUMINUM STOREFRONT HEAD FRAME & RECEIVER  |
| 084113.J              | SHIM, INSTALL SEALANT AND BACKER ROD AT INTERIOR & EXTERIOR FACE OF FRAME                  |
| 088000.F              | LAMINATED GLAZING  |

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 CITY OF MADISON, DANE COUNTY, WI  
 CONTRACT NO: 60631225C

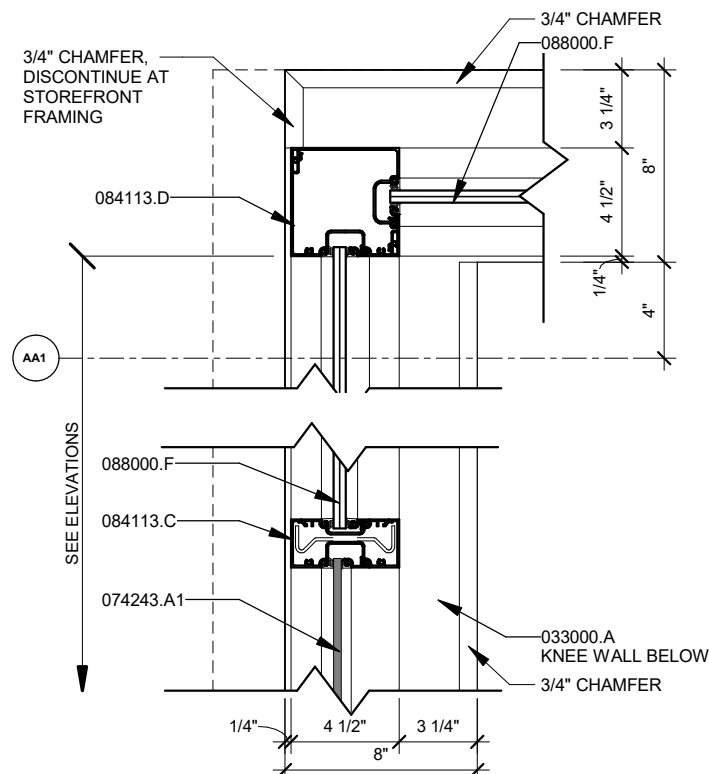
SECTION DETAILS  
 BUS RAPID TRANSIT  
 CITY OF MADISON



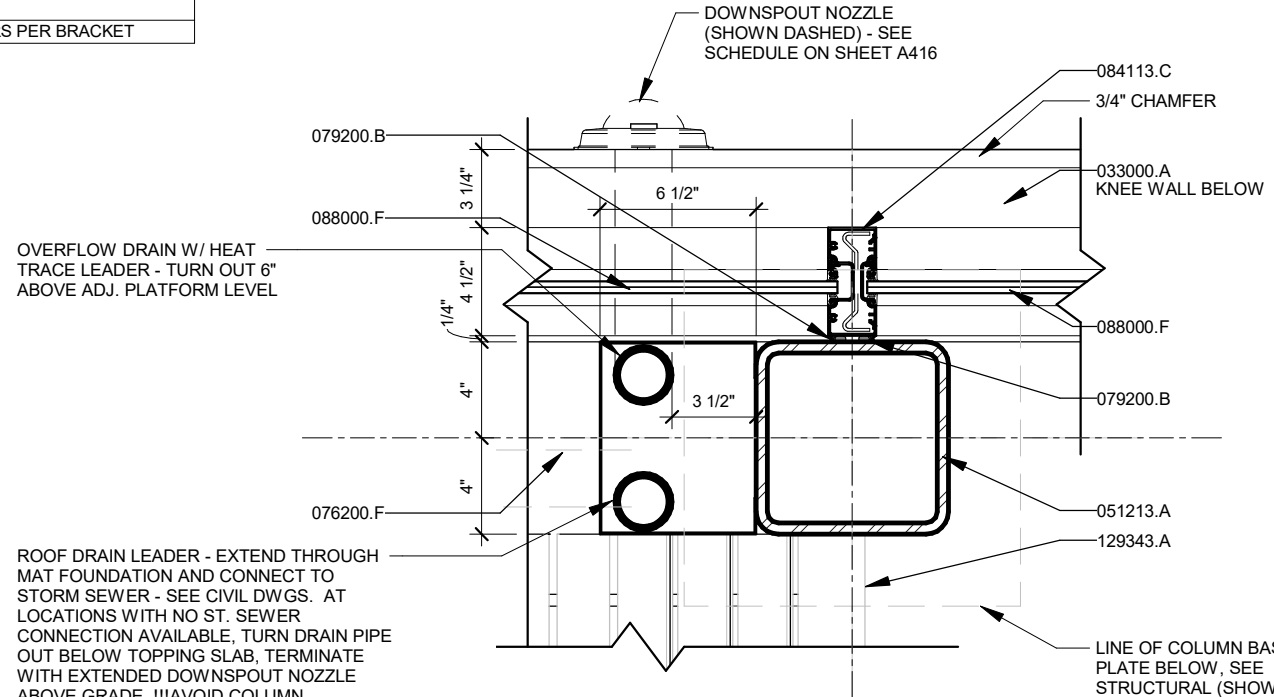
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**CONSTRUCTION KEYNOTES**

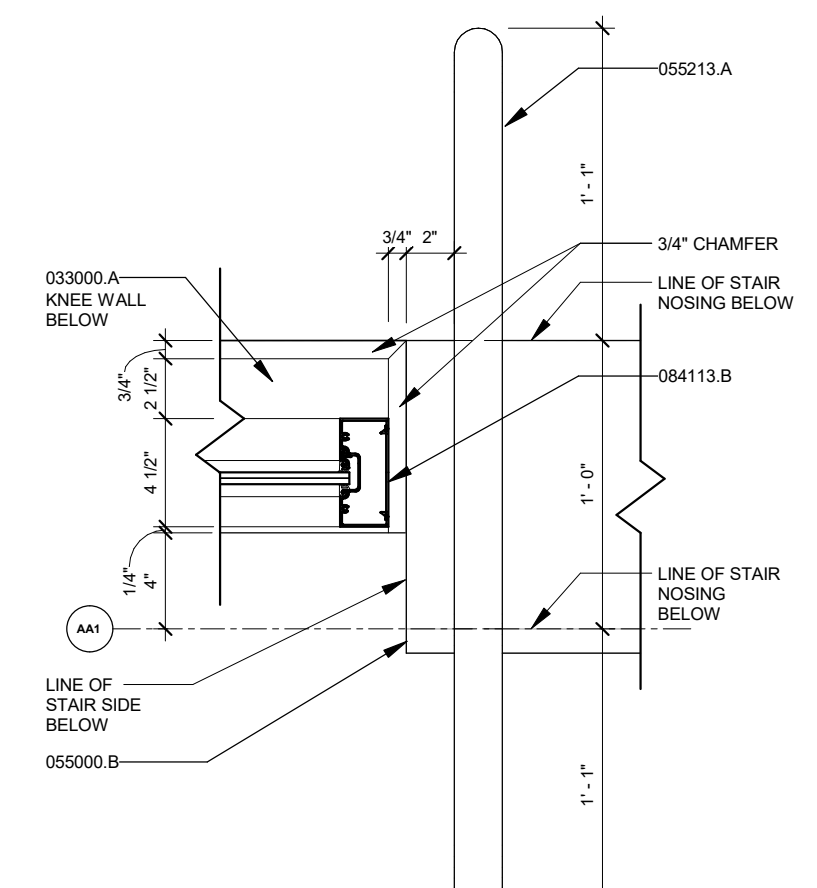
| KEY       | DESCRIPTION   |
|-----------|---|
| 033000.A  | CONCRETE - REFER TO STRUCTURAL DRAWINGS   |
| 051213.A  | ARCHITECTURALLY EXPOSED STRUCTURAL STEEL FRAMING - PAINT, SEE STRUCTURAL        |
| 055000.B  | ABRASIVE STRIP STAIR NOSING INSERT  |
| 055213.A  | PIPE AND TUBE RAILINGS - 2" DIA. NPS 316L STAINLESS STEEL ARCHITECTURAL RAILING |
| 074243.A1 | WOOD PATTERNED PHENOLIC PANEL GLAZED INTO STOREFRONT FRAMING                    |
| 076200.F  | 16 GA. PREFINISHED BRAKE METAL COVER OVER ROOF CONDUCTOR LINES                  |
| 079200.B  | JOINT SEALANT WITH BACKER ROD   |
| 084113.B  | ALUMINUM STOREFRONT JAMB FRAMING  |
| 084113.C  | ALUMINUM STOREFRONT MULLION FRAMING   |
| 084113.D  | ALUMINUM STOREFRONT CORNER MULLION FRAMING                                      |
| 084113.J  | SHIM, INSTALL SEALANT AND BACKER ROD AT INTERIOR & EXTERIOR FACE OF FRAME       |
| 088000.F  | LAMINATED GLAZING   |
| 129343.A  | WALL MOUNTED BENCH - SECURE TO CONCRETE WALL W/ (3) EPOXY ANCHORS PER BRACKET   |



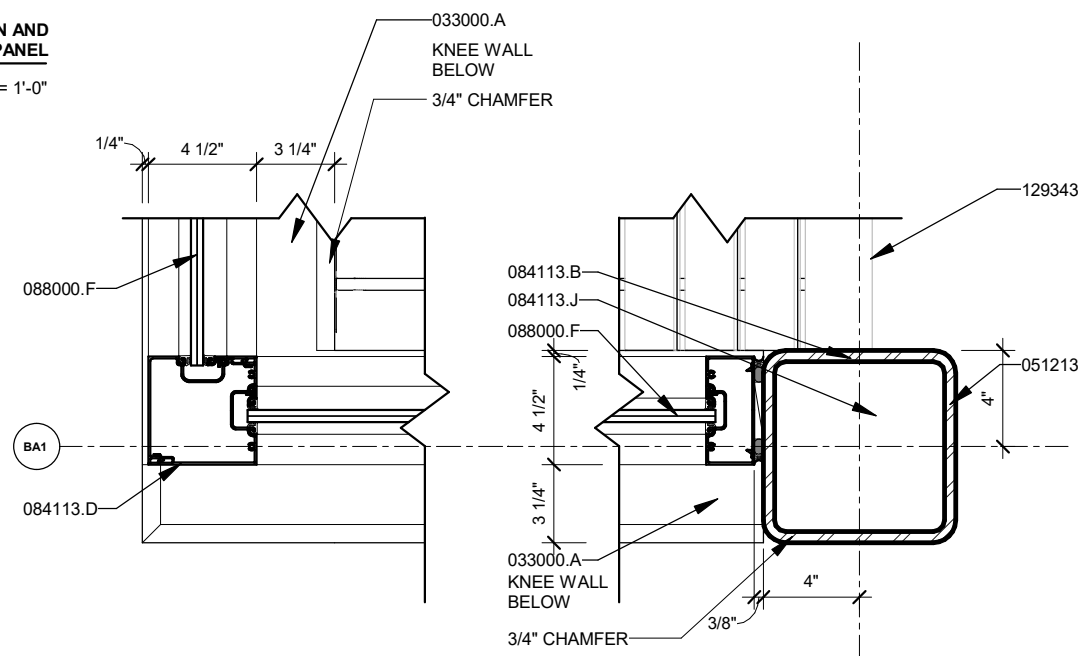
**1 PLAN DETAIL - CORNER MULLION AND PHENOLIC PANEL**  
Scale: 1 1/2" = 1'-0"



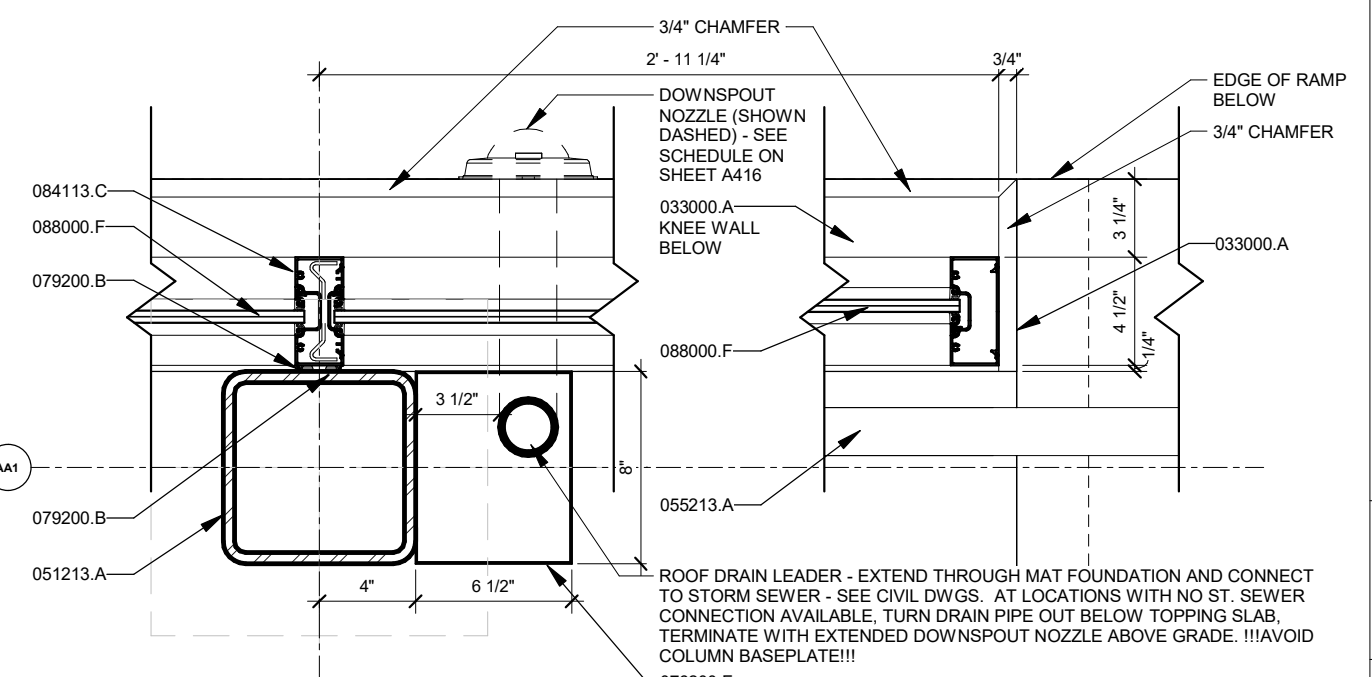
**2 PLAN DETAIL - STOREFRONT MULLION AT COLUMN**  
Scale: 1 1/2" = 1'-0"



**3 PLAN DETAIL - STOREFRONT MULLION AT OPENING**  
Scale: 1 1/2" = 1'-0"



**4 PLAN DETAIL - STOREFRONT AT COLUMN AT CURB SIDE**  
Scale: 1 1/2" = 1'-0"



**5 PLAN DETAIL - STOREFRONT END OF WALL MULLION**  
Scale: 1 1/2" = 1'-0"

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CITY OF MADISON, DANE COUNTY, WI  
CONTRACT NO: 60631225C

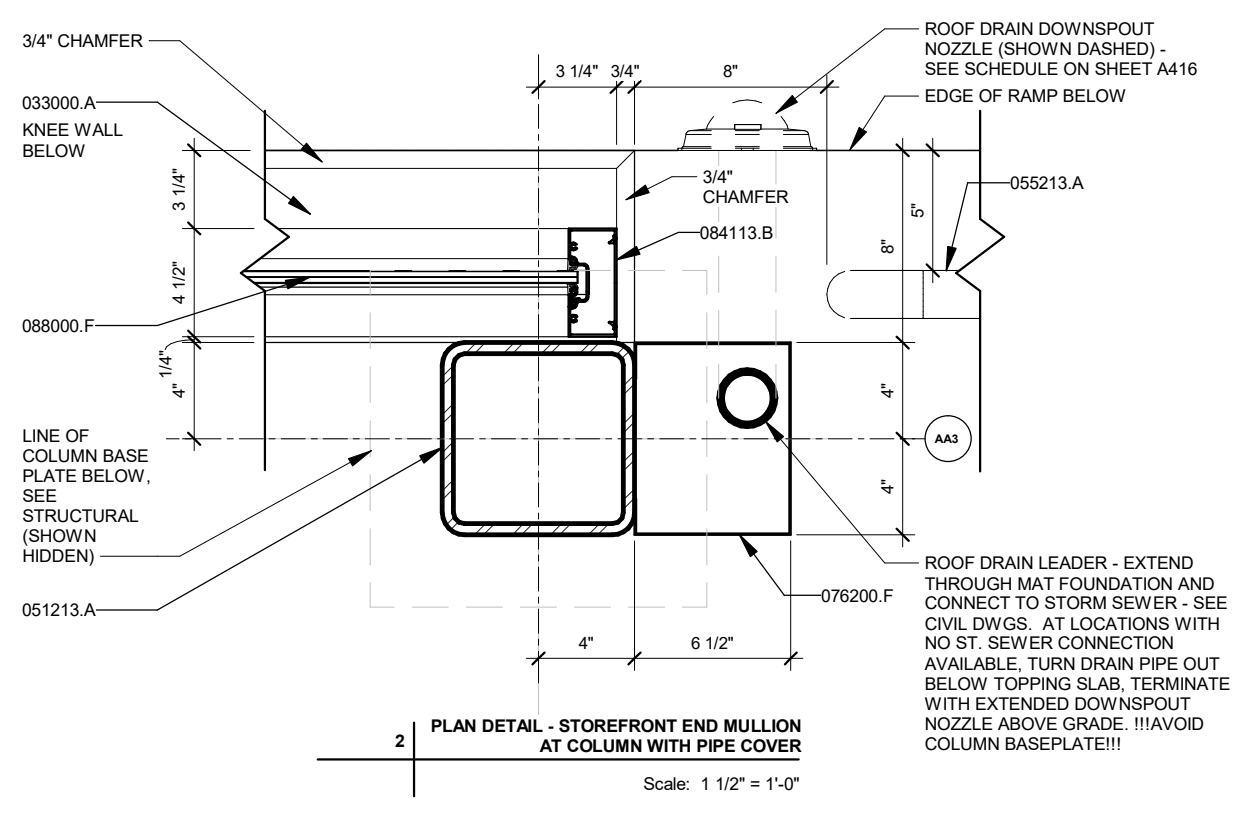
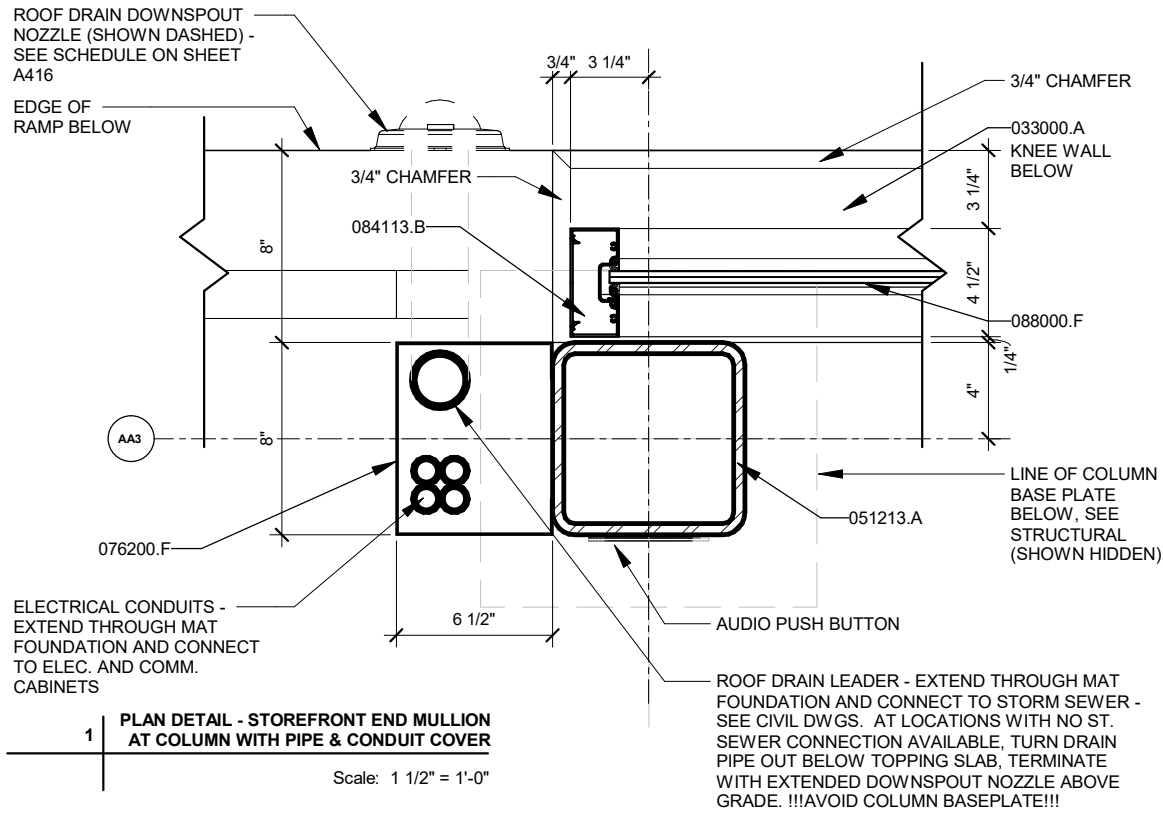
PLAN DETAILS  
BUS RAPID TRANSIT  
CITY OF MADISON



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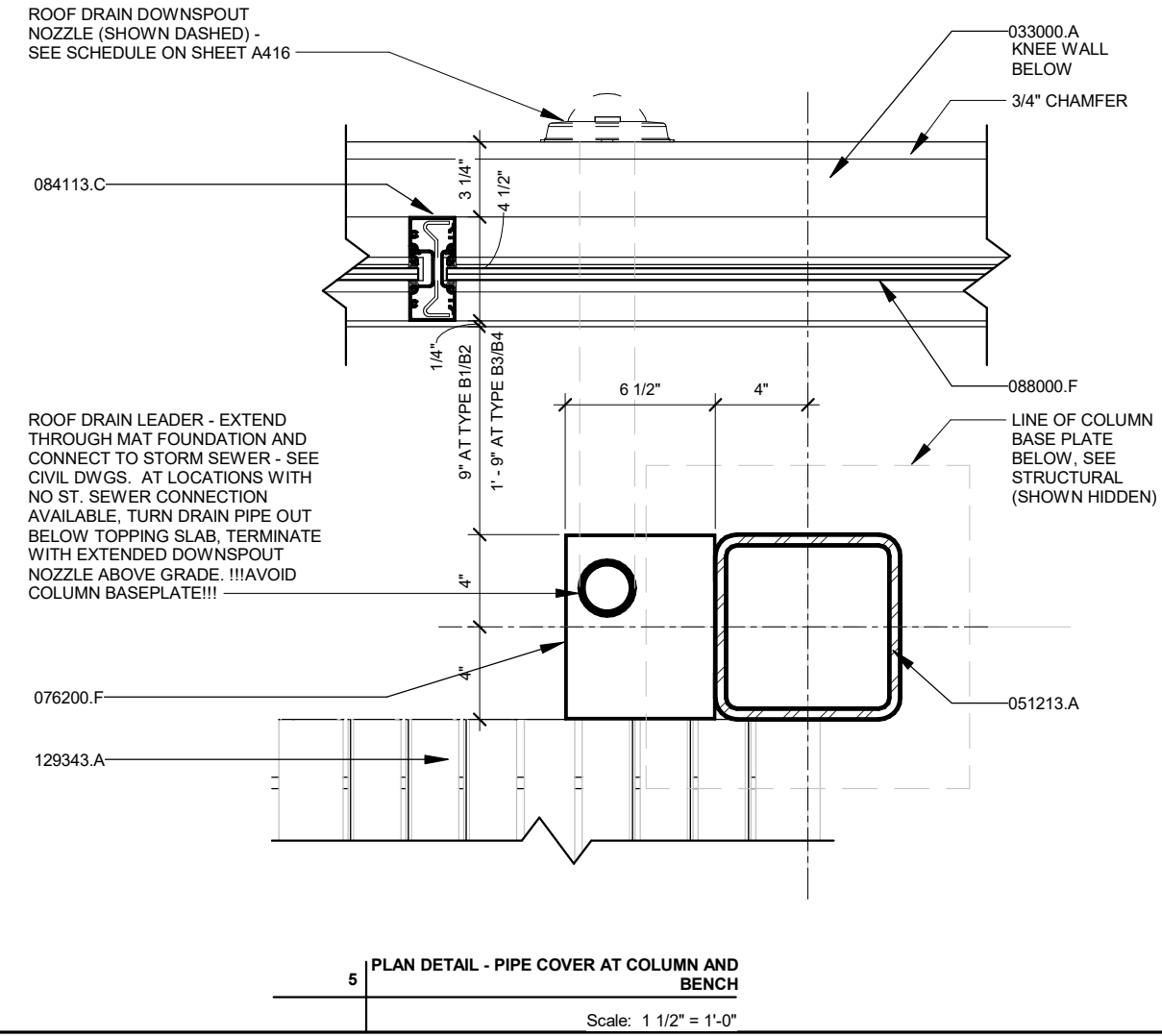


| CONSTRUCTION KEYNOTES |   |
|-----------------------|---|
| KEY                   | DESCRIPTION   |
| 033000.A              | CONCRETE - REFER TO STRUCTURAL DRAWINGS   |
| 051213.A              | ARCHITECTURALLY EXPOSED STRUCTURAL STEEL FRAMING - PAINT, SEE STRUCTURAL        |
| 055213.A              | PIPE AND TUBE RAILINGS - 2" DIA. NPS 316L STAINLESS STEEL ARCHITECTURAL RAILING |
| 076200.F              | 16 GA. PREFINISHED BRAKE METAL COVER OVER ROOF CONDUCTOR LINES                  |
| 084113.B              | ALUMINUM STOREFRONT JAMB FRAMING  |
| 084113.C              | ALUMINUM STOREFRONT MULLION FRAMING   |
| 088000.F              | LAMINATED GLAZING   |
| 129343.A              | WALL MOUNTED BENCH - SECURE TO CONCRETE WALL W/ (3) EPOXY ANCHORS PER BRACKET   |



STORM DISCHARGE TYPES AND LOCATIONS

| LOCATION  | PLATFORM DIRECTION | STATION TYPE                   | DISCHARGE TYPE                                | ROOF DRAIN DOWNSPOUT NOZZLE |
|---|--------------------|--------------------------------|---|-----------------------------|
| JUNCTION ROAD   | END OF LINE        | CURBSIDE CHARGING STATION (A7) | GRASS AREA AND CONNECT TO SEWER               | YES                         |
| MINERAL POINT ROAD AT HIGH POINT ROAD                         | EB/WB              | CENTER (B2)                    | DIRECT CONNECT TO SEWER                       | NO                          |
| MINERAL POINT ROAD AT WESTFIELD ROAD                          | EB/WB              | CENTER (B2)                    | GRASS AREA AND PLANTERS                       | YES                         |
| MINERAL POINT ROAD AT GRAND CANYON DRIVE                      | EB/WB              | CENTER (B2)                    | DIRECT CONNECT TO SEWER                       | NO                          |
| MINERAL POINT ROAD AT ISLAND DRIVE                            | EB/WB              | CENTER (B2)                    | GRASS AREA AND PLANTERS                       | YES                         |
| MINERAL POINT ROAD AT ROSA ROAD                               | EB/WB              | CENTER (B2)                    | GRASS AREA AND PLANTERS                       | YES                         |
| WHITNEY WAY AT MINERAL POINT ROAD                             | EB/WB              | CENTER (B2)                    | DIRECT CONNECT TO SEWER                       | NO                          |
| WHITNEY WAY AT REGENT STREET                                  | EB/WB              | REDUCED CENTER (C)             | NO STORM SEWER                                | YES                         |
| SHEBOYGAN AVENUE AT EAU CLAIRE AVENUE                         | EB/WB              | CENTER (B2)                    | NO STORM SEWER                                | YES                         |
| SHEBOYGAN AVENUE AT SEGOE ROAD                                | WB                 | CURBSIDE - ISLAND (A1)         | NO STORM SEWER - GRASS AREA                   | YES                         |
| UNIVERSITY AVENUE AT SHOREWOOD BOULEVARD                      | EB/WB              | CENTER (B2)                    | DIRECT CONNECT TO SEWER                       | NO                          |
| UNIVERSITY AVENUE AT UNIVERSITY BAY DRIVE                     | EB/WB              | CENTER (B2)                    | DIRECT CONNECT TO SEWER                       | NO                          |
| UNIVERSITY AVENUE AT ORCHARD STREET                           | WB                 | CURBSIDE (A2)                  | DIRECT CONNECT TO SEWER                       | NO                          |
| JOHNSON STREET AT ORCHARD STREET                              | EB                 | CURBSIDE (A2)                  | DIRECT CONNECT TO SEWER                       | NO                          |
| JOHNSON STREET AT EAST CAMPUS MALL                            | EB                 | CURBSIDE (A1)                  | NO STORM SEWER                                | YES                         |
| STATE STREET - JOHNSON STREET                                 | EB                 | REDUCED CURBSIDE (A3)          | DIRECT CONNECT TO INLET *                     | NO                          |
| STATE STREET - GORHAM STREET                                  | WB                 | REDUCED CURBSIDE (A4)          | DISCHARGE TO FLOWLINE                         | NO                          |
| CAPITOL SQUARE - MIFFLIN STREET AT WISCONSIN AVENUE           | WB                 | CURBSIDE (A2)                  | DIRECT CONNECT TO INLET *                     | NO                          |
| CAPITOL SQUARE - MAIN STREET AT MARTLIN LUTHER KING BOULEVARD | EB                 | CURBSIDE (A2)                  | DIRECT CONNECT TO INLET *                     | NO                          |
| EAST WASHINGTON AVENUE AT PATERSON STREET                     | EB/WB              | CENTER (B4)                    | DIRECT CONNECT TO INLET *                     | NO                          |
| EAST WASHINGTON AVENUE AT BALDWIN STREET                      | EB/WB              | CENTER (B4)                    | DIRECT CONNECT TO INLET *                     | NO                          |
| EAST WASHINGTON AVENUE AT FIRST STREET                        | EB/WB              | CENTER (B2)                    | DIRECT CONNECT TO INLET                       | NO                          |
| EAST WASHINGTON AVENUE AT FOURTH STREET                       | EB/WB              | CENTER (B4)                    | DIRECT CONNECT TO INLET                       | NO                          |
| EAST WASHINGTON AVENUE AT MILWAUKEE-NORTH STREET              | EB                 | CURBSIDE CENTER (A6)           | DIRECT CONNECT TO INLET                       | NO                          |
| EAST WASHINGTON AVENUE AT MARQUETTE STREET                    | EB/WB              | CENTER (B4)                    | DIRECT CONNECT TO INLET *                     | NO                          |
| EAST WASHINGTON AVENUE AT MELVIN COURT-RETHKE AVENUE          | EB/WB              | CENTER (B4)                    | DIRECT CONNECT TO INLET *                     | NO                          |
| EAST WASHINGTON AVENUE AT WRIGHT STREET - FAIR OAKS AVENUE    | EB/WB              | CENTER (B2)                    | DIRECT CONNECT TO INLET                       | NO                          |
| WRIGHT STREET AT ANDERSON STREET                              | WB                 | CURBSIDE - ISLAND (A2)         | DISCHARGE TO FLOWLINE - NO TLE                | NO                          |
| WRIGHT STREET AT ANDERSON STREET                              | EB                 | CURBSIDE - ISLAND (A1)         | DIRECT INLET CONNECT                          | NO                          |
| EAST WASHINGTON AVENUE AT MENDOTA STREET                      | WB                 | REDUCED CURBSIDE (A4)          | OUTLET INTO GRASS                             | YES                         |
| EAST WASHINGTON AVENUE AT MENDOTA STREET                      | EB                 | CURBSIDE - ISLAND (A1)         | DIRECT CONNECT TO INLET OR GRASS              | YES                         |
| EAST WASHINGTON AVENUE AT THIERER ROAD - PORTAGE AVENUE       | WB                 | CURBSIDE - ISLAND (A1)         | DIRECT CONNECT TO INLET *                     | NO                          |
| EAST WASHINGTON AVENUE AT THIERER ROAD - PORTAGE AVENUE       | EB                 | CURBSIDE - ISLAND (A1)         | DIRECT CONNECT TO INLET *                     | NO                          |
| EAST WASHINGTON AVENUE AT INDEPENDENCE LANE                   | WB                 | CURBSIDE - ISLAND (A1)         | DIRECT CONNECT TO INLET                       | NO                          |
| EAST WASHINGTON AVENUE AT INDEPENDENCE LANE                   | EB                 | CURBSIDE - ISLAND (A1)         | DIRECT CONNECT TO INLET                       | NO                          |
| EAST WASHINGTON AVENUE AT EAST SPRINGS DRIVE                  | WB                 | CURBSIDE - ISLAND (A1)         | GRASS OUTLET ON SIDE OF PLATFORM              | YES                         |
| EAST WASHINGTON AVENUE AT EAST SPRINGS DRIVE                  | EB                 | CURBSIDE - ISLAND (A2)         | GRASS OUTLET ON SIDE OF PLATFORM              | YES                         |
| E. WASHINGTON & E. SPRINGS                                    | EB                 | A2 (CURBSIDE ISLAND)           | EAST BOUND - GRASS OUTLET ON SIDE OF PLATFORM | YES                         |



60631225P  
CITY OF MADISON, DANE COUNTY, WI  
CONTRACT NO: 60631225C

PLAN DETAILS  
BUS RAPID TRANSIT  
CITY OF MADISON

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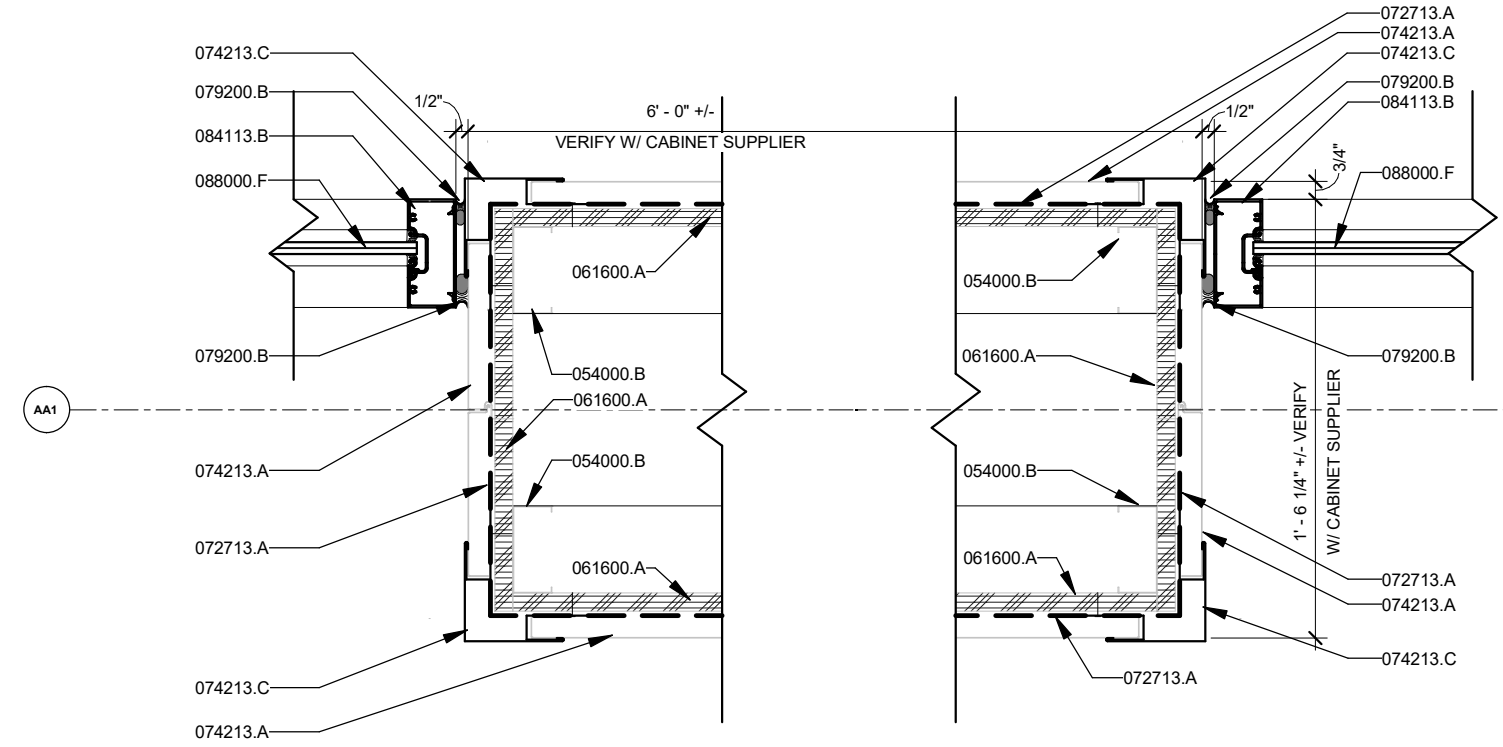
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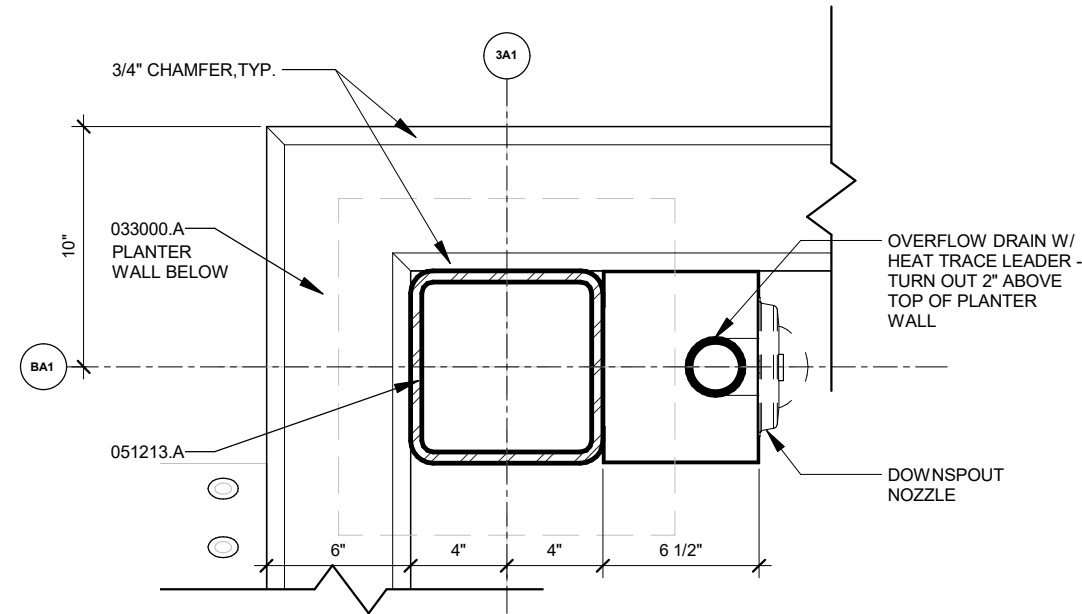


**CONSTRUCTION KEYNOTES**

| KEY      | DESCRIPTION  |
|----------|--|
| 033000.A | CONCRETE - REFER TO STRUCTURAL DRAWINGS                                  |
| 051213.A | ARCHITECTURALLY EXPOSED STRUCTURAL STEEL FRAMING - PAINT, SEE STRUCTURAL |
| 054000.B | COLD FORMED METAL FRAMING - 3 5/8" @ 16" O.C.                            |
| 061600.A | PLYWOOD OR OSB WALL SHEATHING  |
| 072713.A | MODIFIED BITUMINOUS SHEET AIR BARRIER SYSTEM                             |
| 074213.A | FLUSH CONCEALED FASTENER METAL WALL PANELS                               |
| 074213.C | METAL WALL PANEL SHEET METAL CORNER TRIM                                 |
| 079200.B | JOINT SEALANT WITH BACKER ROD  |
| 084113.B | ALUMINUM STOREFRONT JAMB FRAMING   |
| 088000.F | LAMINATED GLAZING  |

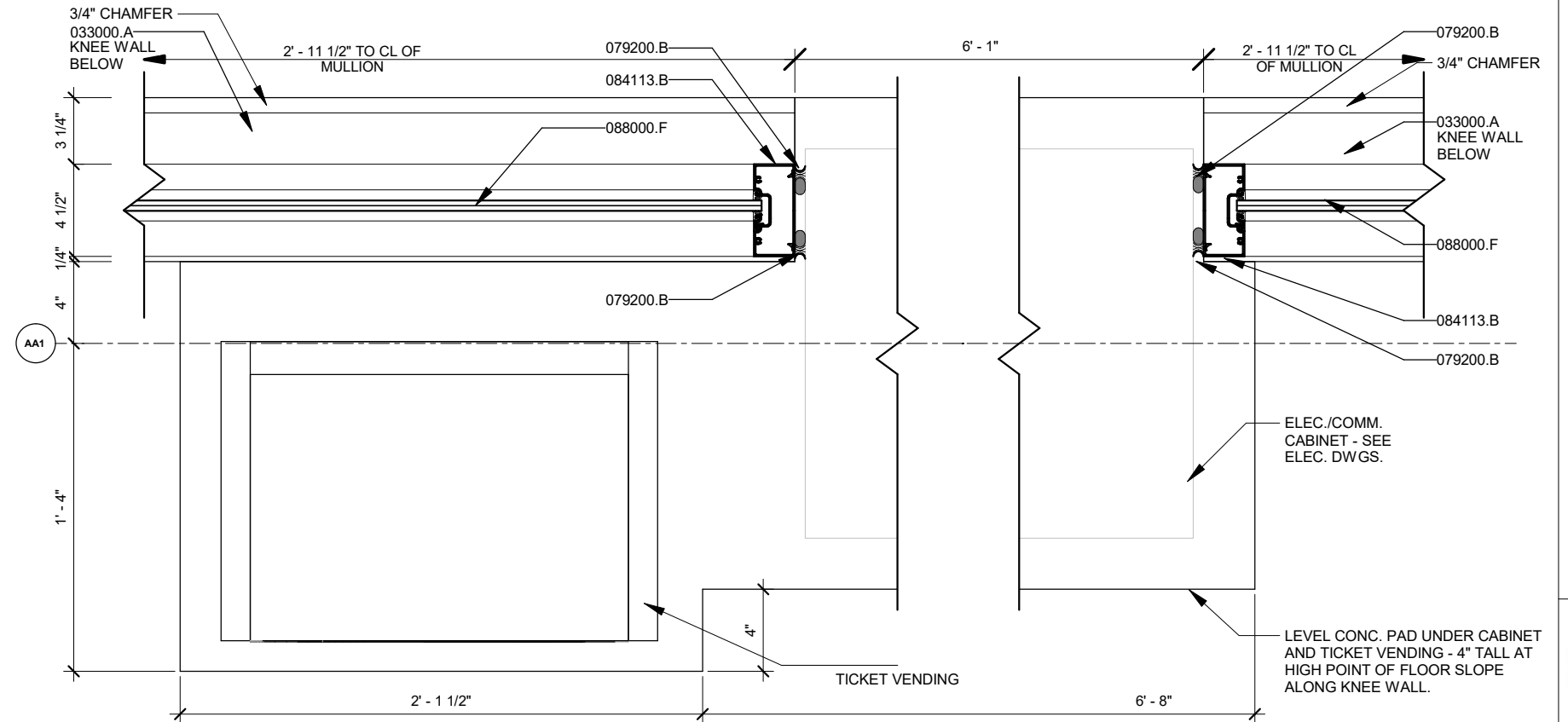


3 PLAN DETAIL - ENCLOSURE ABOVE ELEC./COMM CABINET  
Scale: 1 1/2" = 1'-0"



1 PLAN DETAIL - COLUMN AND PIPE COVER AT PLANTER

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



2 PLAN DETAIL - ELEC./COMM. CABINET AT STOREFRONT

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

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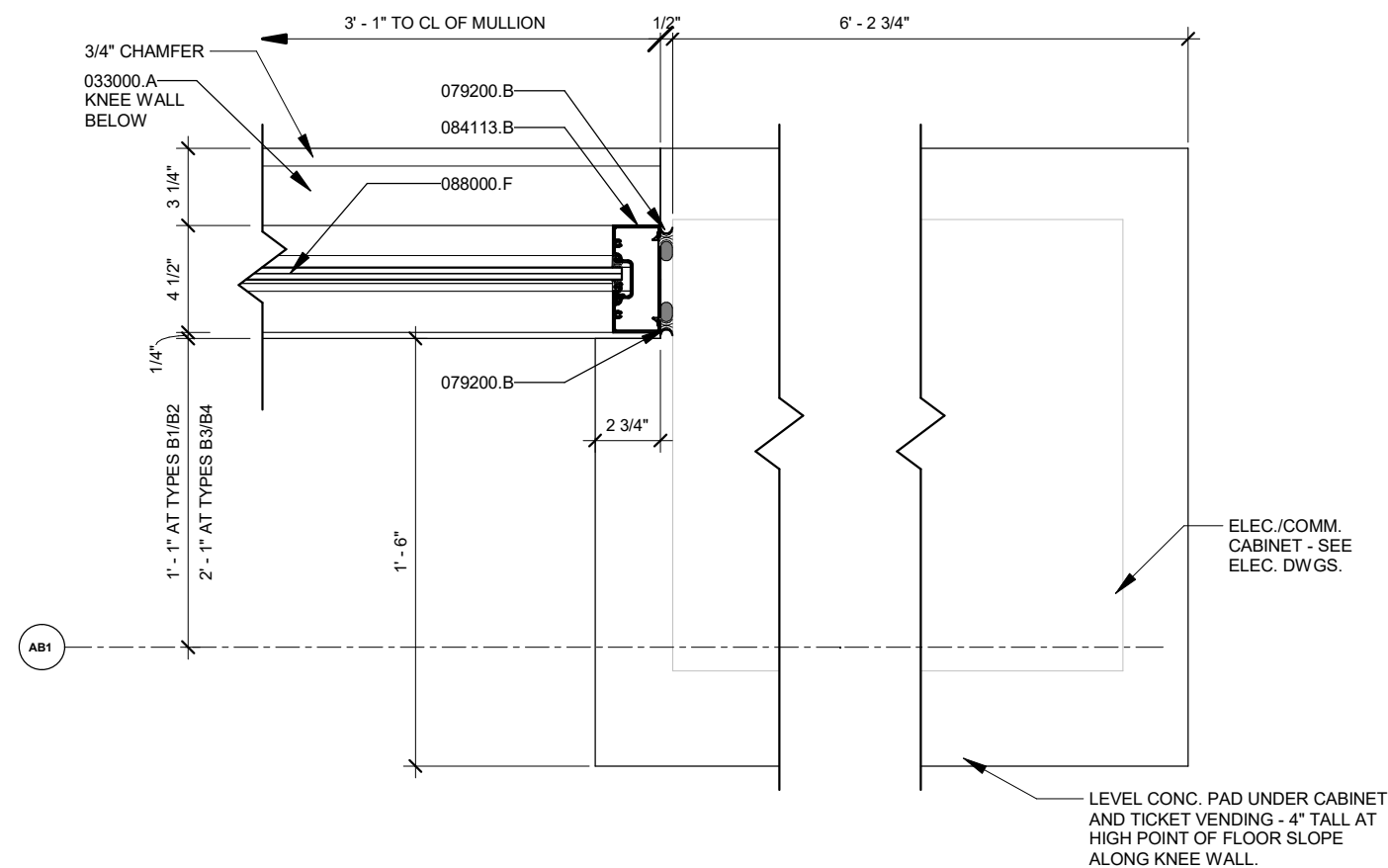
60631225P  
CITY OF MADISON, DANE COUNTY, WI  
CONTRACT NO: 60631225C

PLAN DETAILS  
BUS RAPID TRANSIT  
CITY OF MADISON

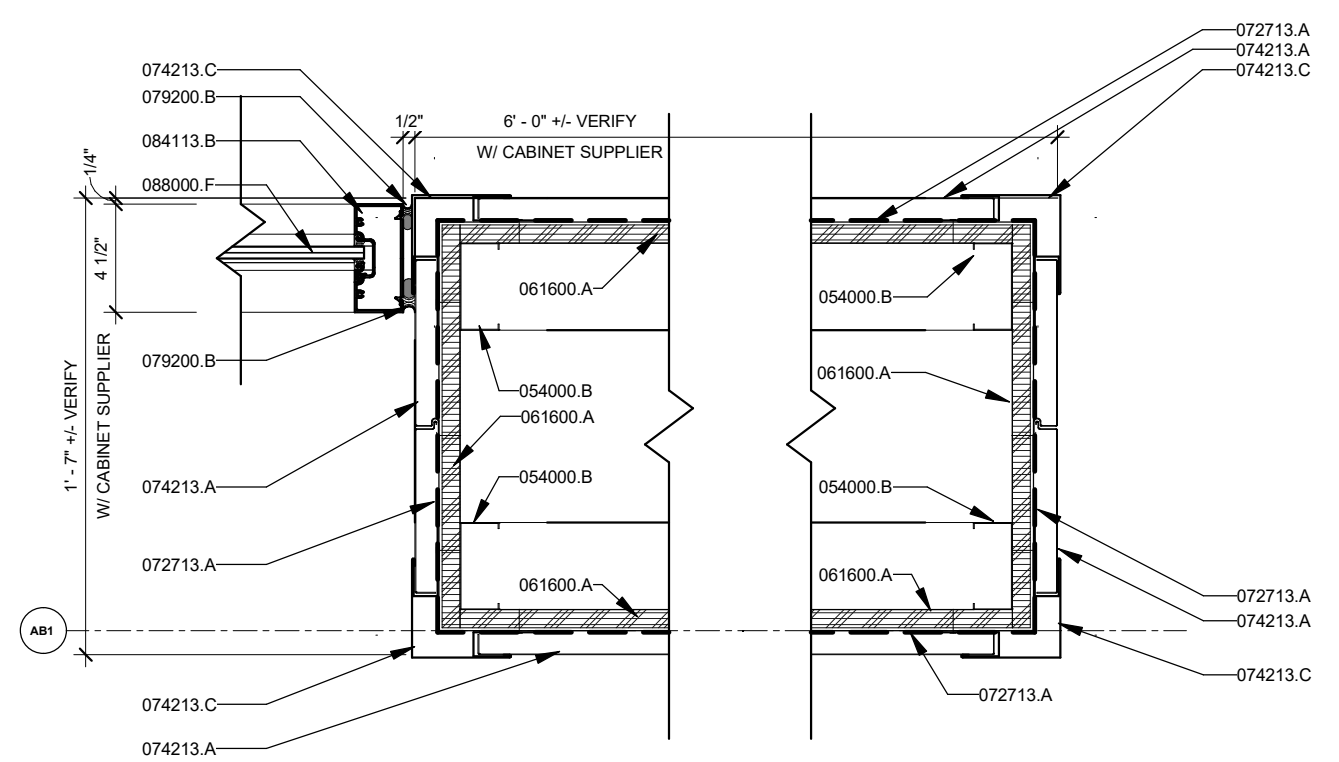


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A417

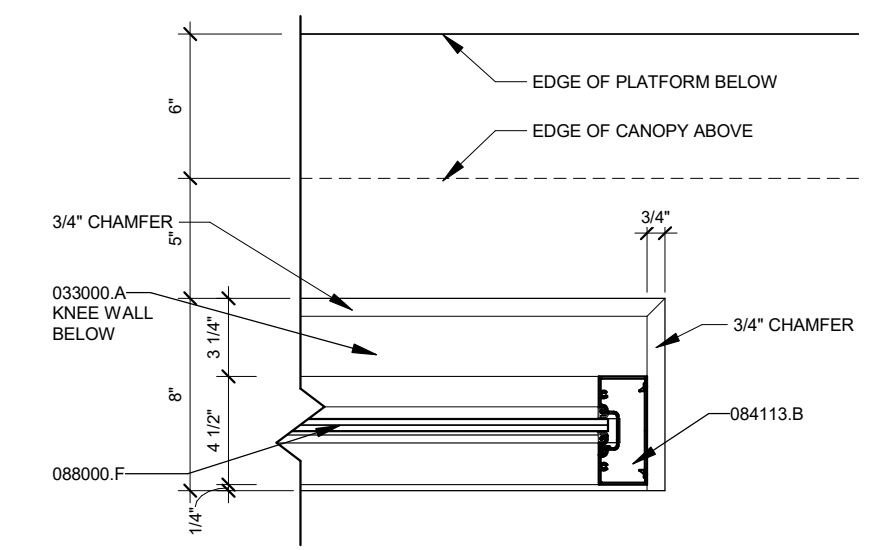


1 PLAN DETAIL - ELEC./COMM. CABINET AT STOREFRONT TYPE B  
Scale: 1 1/2" = 1'-0"

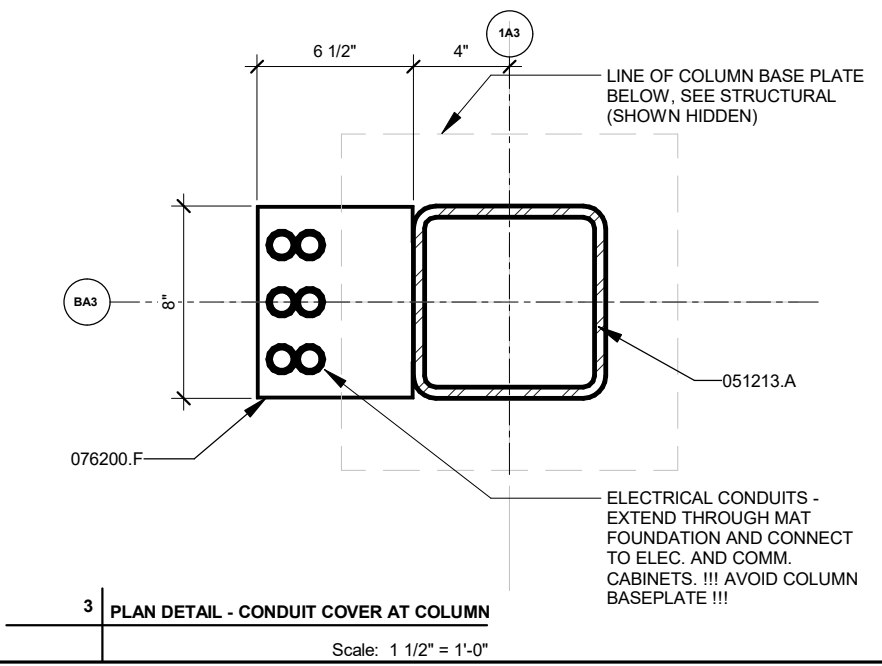


2 PLAN DETAIL - ENCLOSURE ABOVE ELEC./COMM CABINET TYPE B  
Scale: 1 1/2" = 1'-0"

| CONSTRUCTION KEYNOTES |  |
|-----------------------|--|
| KEY                   | DESCRIPTION  |
| 033000.A              | CONCRETE - REFER TO STRUCTURAL DRAWINGS                                  |
| 051213.A              | ARCHITECTURALLY EXPOSED STRUCTURAL STEEL FRAMING - PAINT, SEE STRUCTURAL |
| 054000.B              | COLD FORMED METAL FRAMING - 3 5/8" @ 16" O.C.                            |
| 061600.A              | PLYWOOD OR OSB WALL SHEATHING  |
| 072713.A              | MODIFIED BITUMINOUS SHEET AIR BARRIER SYSTEM                             |
| 074213.A              | FLUSH CONCEALED FASTENER METAL WALL PANELS                               |
| 074213.C              | METAL WALL PANEL SHEET METAL CORNER TRIM                                 |
| 076200.F              | 16 GA. PREFINISHED BRAKE METAL COVER OVER ROOF CONDUCTOR LINES           |
| 079200.B              | JOINT SEALANT WITH BACKER ROD  |
| 084113.B              | ALUMINUM STOREFRONT JAMB FRAMING   |
| 088000.F              | LAMINATED GLAZING  |



4 PLAN DETAIL - STOREFRONT MULLION AT END OF KNEE WALL  
Scale: 1 1/2" = 1'-0"



3 PLAN DETAIL - CONDUIT COVER AT COLUMN  
Scale: 1 1/2" = 1'-0"

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CITY OF MADISON, DANE COUNTY, WI  
CONTRACT NO: 60631225C

PLAN DETAILS  
BUS RAPID TRANSIT  
CITY OF MADISON

| REVISION | DATE | BY |
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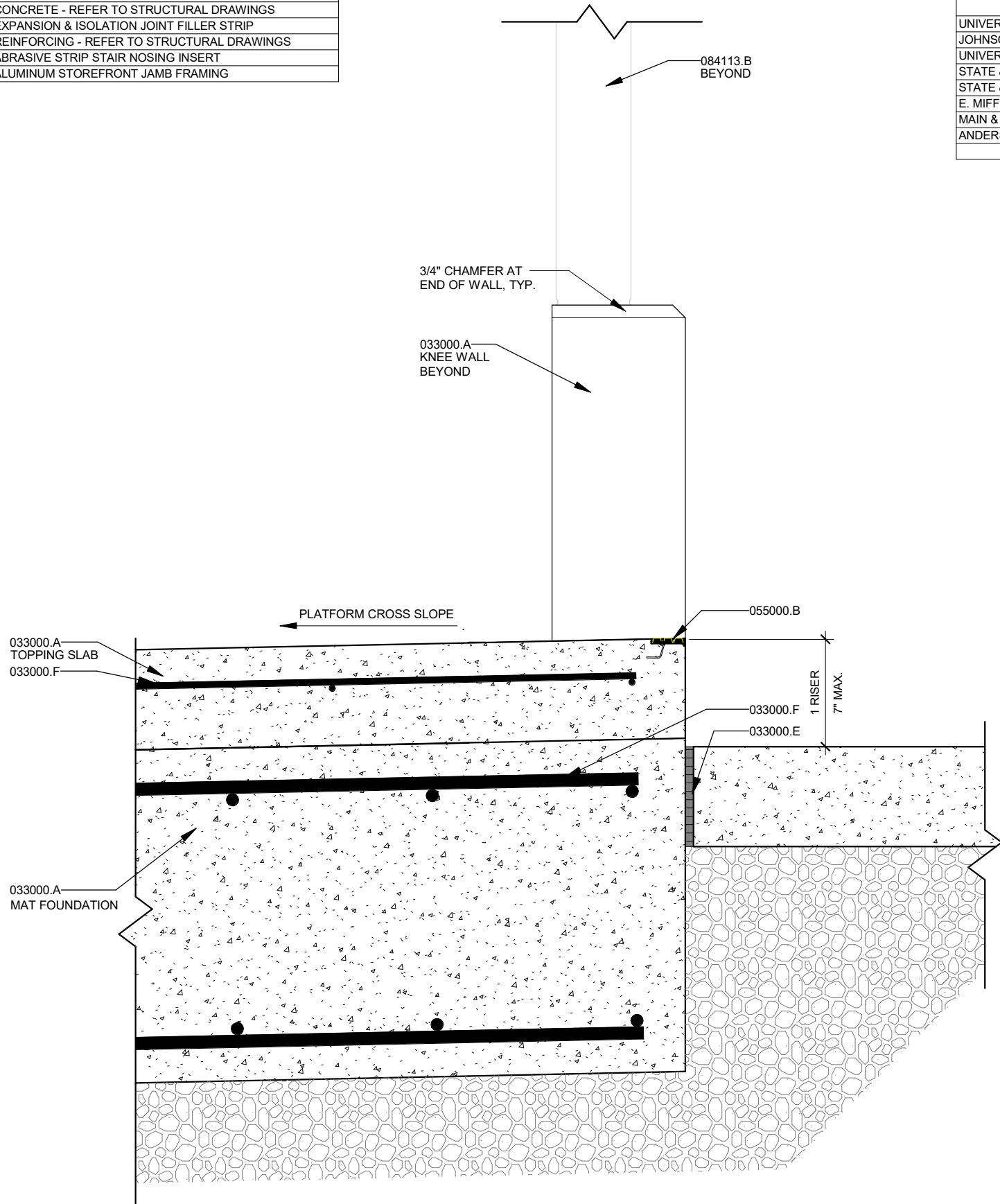
Scale: 1/8" = 1'-0"

Designed By: \_\_\_\_\_  
Date: 2022-03-08

60631225P  
A418

| CONSTRUCTION KEYNOTES |  |
|-----------------------|--|
| KEY                   | DESCRIPTION                                |
| 033000.A              | CONCRETE - REFER TO STRUCTURAL DRAWINGS    |
| 033000.E              | EXPANSION & ISOLATION JOINT FILLER STRIP   |
| 033000.F              | REINFORCING - REFER TO STRUCTURAL DRAWINGS |
| 055000.B              | ABRASIVE STRIP STAIR NOSING INSERT         |
| 084113.B              | ALUMINUM STOREFRONT JAMB FRAMING           |

| STAIR TYPES AND LOCATIONS          |                    |                       |                       |           |        |
|------------------------------------|--------------------|-----------------------|-----------------------|-----------|--------|
| LOCATION                           | PLATFORM DIRECTION | STATION TYPE          | RISE AT STAIR IN FEET | HANDRAILS | DETAIL |
| UNIVERSITY & ORCHARD               | WB                 | A2 (CURBSIDE)         | 1 RISER 7.0 INCHES    | NO        | 1/A421 |
| JOHNSON & ORCHARD                  | EB                 | A2 (CURBSIDE)         | 2 RISERS 4.32 INCHES  | YES       | 2/A420 |
| UNIVERSITY AVE AT EAST CAMPUS MALL | WB                 | A2 (CURBSIDE)         | 1 RISER 5.28          | NO        | 1/A421 |
| STATE & GORHAM                     | WB                 | A4 (REDUCED CURBSIDE) | 1 RISER 6"            | NO        | 1/A421 |
| STATE & JOHNSON                    | EB                 | A3 (REDUCED CURBSIDE) | 1 RISERS 6"           | NO        | 1/A421 |
| E. MIFFLIN & WISCONSIN             | WB                 | A2 (CURBSIDE)         | 2 RISERS 11.5"        | YES       | 1/A420 |
| MAIN & MARTIN LUTHER KING JR.      | EB                 | A2 (CURBSIDE)         | 7.5" RISE             | YES       | 1/A420 |
| ANDERSON & WRIGHT STREET           | EB                 | A1 (CURBSIDE ISLAND)  | 2 RISERS              | YES       | 1/A420 |



1  
**DETAIL - 1 RISER STAIR**  
 Scale: 1 1/2" = 1'-0"

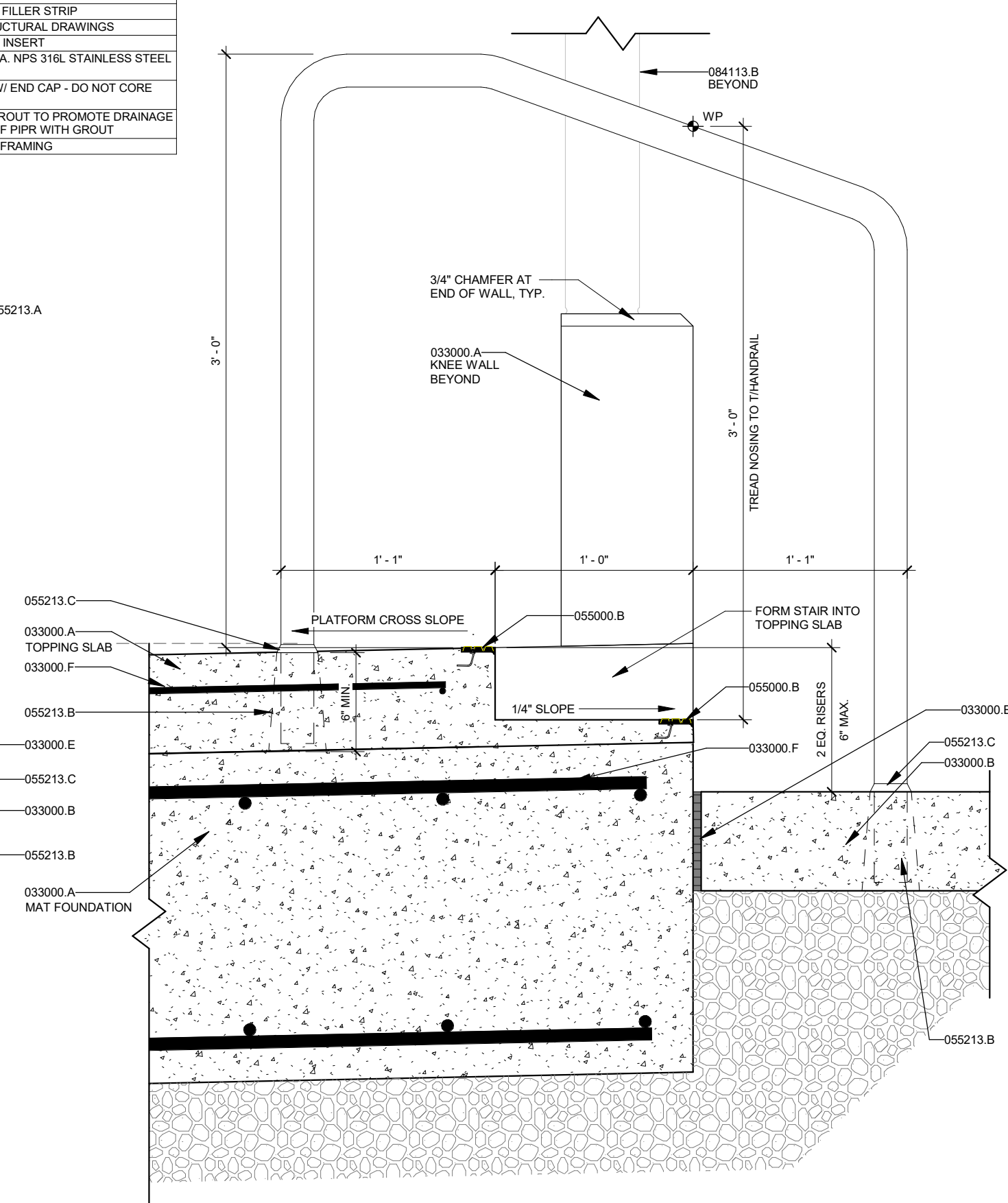
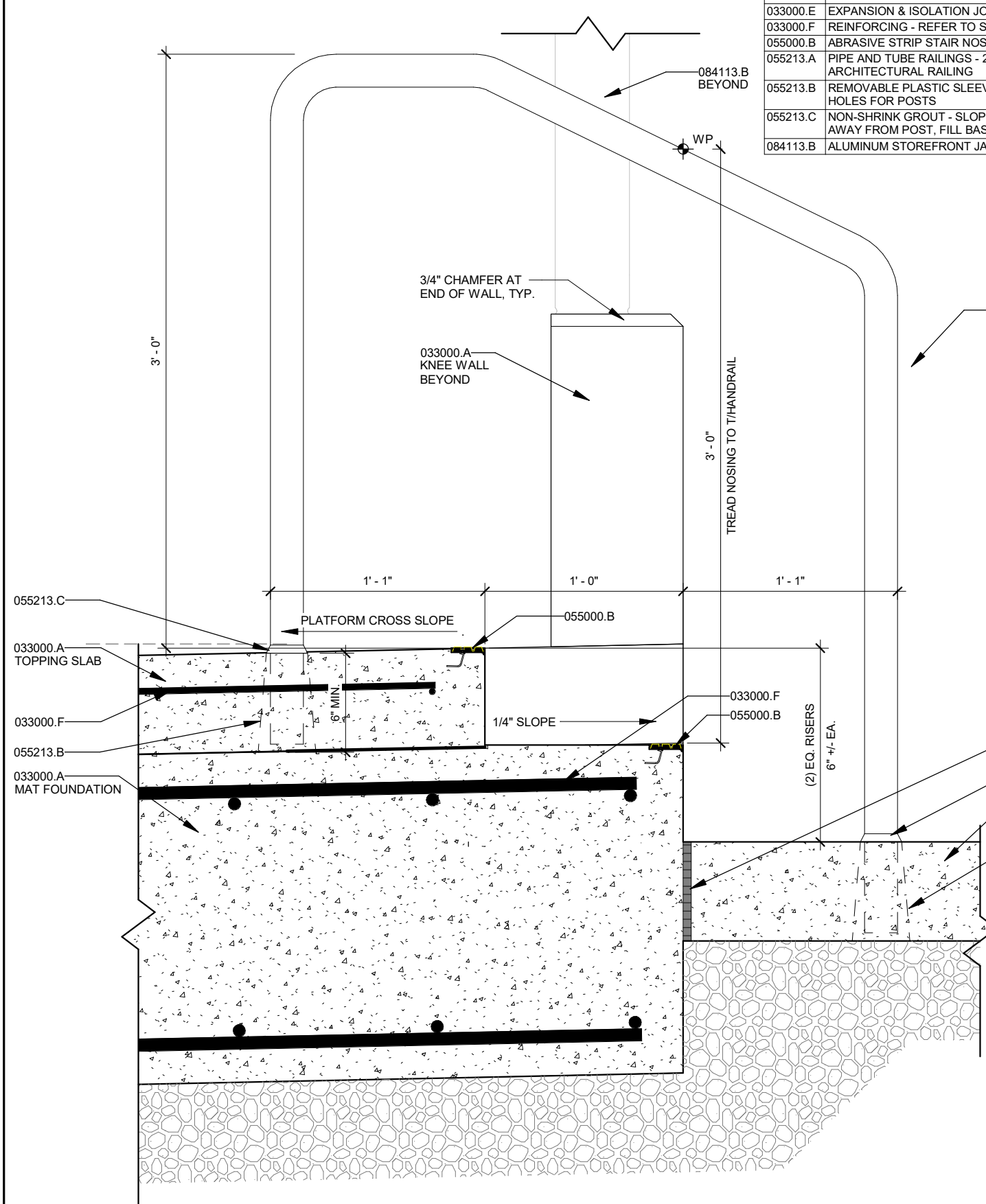
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Designed By: MARK  
 Date: 2022-03-08  
 Scale: ---

60631225P  
 CITY OF MADISON, DANE COUNTY, WI  
 CONTRACT NO: 60631225C

STAIR DETAILS  
 BUS RAPID TRANSIT  
 CITY OF MADISON

| CONSTRUCTION KEYNOTES |   |
|-----------------------|---|
| KEY                   | DESCRIPTION   |
| 033000.A              | CONCRETE - REFER TO STRUCTURAL DRAWINGS   |
| 033000.B              | CONCRETE - REFER TO CIVIL DRAWINGS  |
| 033000.E              | EXPANSION & ISOLATION JOINT FILLER STRIP  |
| 033000.F              | REINFORCING - REFER TO STRUCTURAL DRAWINGS  |
| 055000.B              | ABRASIVE STRIP STAIR NOSING INSERT  |
| 055213.A              | PIPE AND TUBE RAILINGS - 2" DIA. NPS 316L STAINLESS STEEL ARCHITECTURAL RAILING                 |
| 055213.B              | REMOVABLE PLASTIC SLEEVE W/ END CAP - DO NOT CORE HOLES FOR POSTS                               |
| 055213.C              | NON-SHRINK GROUT - SLOPE GROUT TO PROMOTE DRAINAGE AWAY FROM POST, FILL BASE OF PIPR WITH GROUT |
| 084113.B              | ALUMINUM STOREFRONT JAMB FRAMING  |



1 DETAIL - 2 RISER STAIR - 6" RISER  
Scale: 1 1/2" = 1'-0"

2 DETAIL - 2 RISER STAIR - SHORT RISERS  
Scale: 1 1/2" = 1'-0"

| MARK | REVISION | DATE | BY |
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60631225P  
CITY OF MADISON, DANE COUNTY, WI  
CONTRACT NO: 60631225C

STAIR DETAILS  
BUS RAPID TRANSIT  
CITY OF MADISON



60631225P  
A421

| CONSTRUCTION KEYNOTES |   |
|-----------------------|---|
| KEY                   | DESCRIPTION   |
| 033000.B              | CONCRETE - REFER TO CIVIL DRAWINGS  |
| 033000.E              | EXPANSION & ISOLATION JOINT FILLER STRIP  |
| 055213.A              | PIPE AND TUBE RAILINGS - 2" DIA. NPS 316L STAINLESS STEEL ARCHITECTURAL RAILING                 |
| 055213.B              | REMOVABLE PLASTIC SLEEVE W/ END CAP - DO NOT CORE HOLES FOR POSTS                               |
| 055213.C              | NON-SHRINK GROUT - SLOPE GROUT TO PROMOTE DRAINAGE AWAY FROM POST, FILL BASE OF PIPR WITH GROUT |

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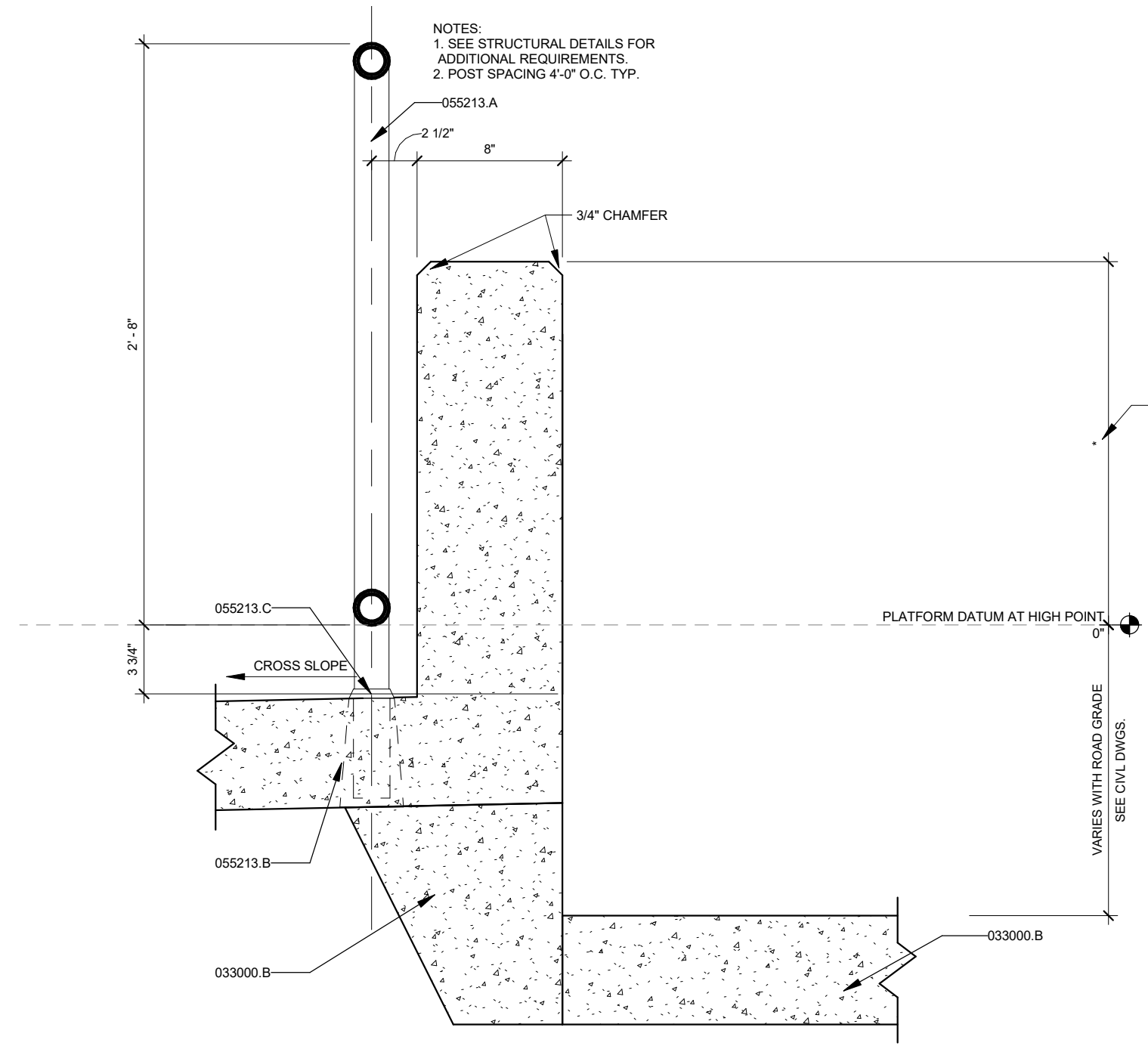
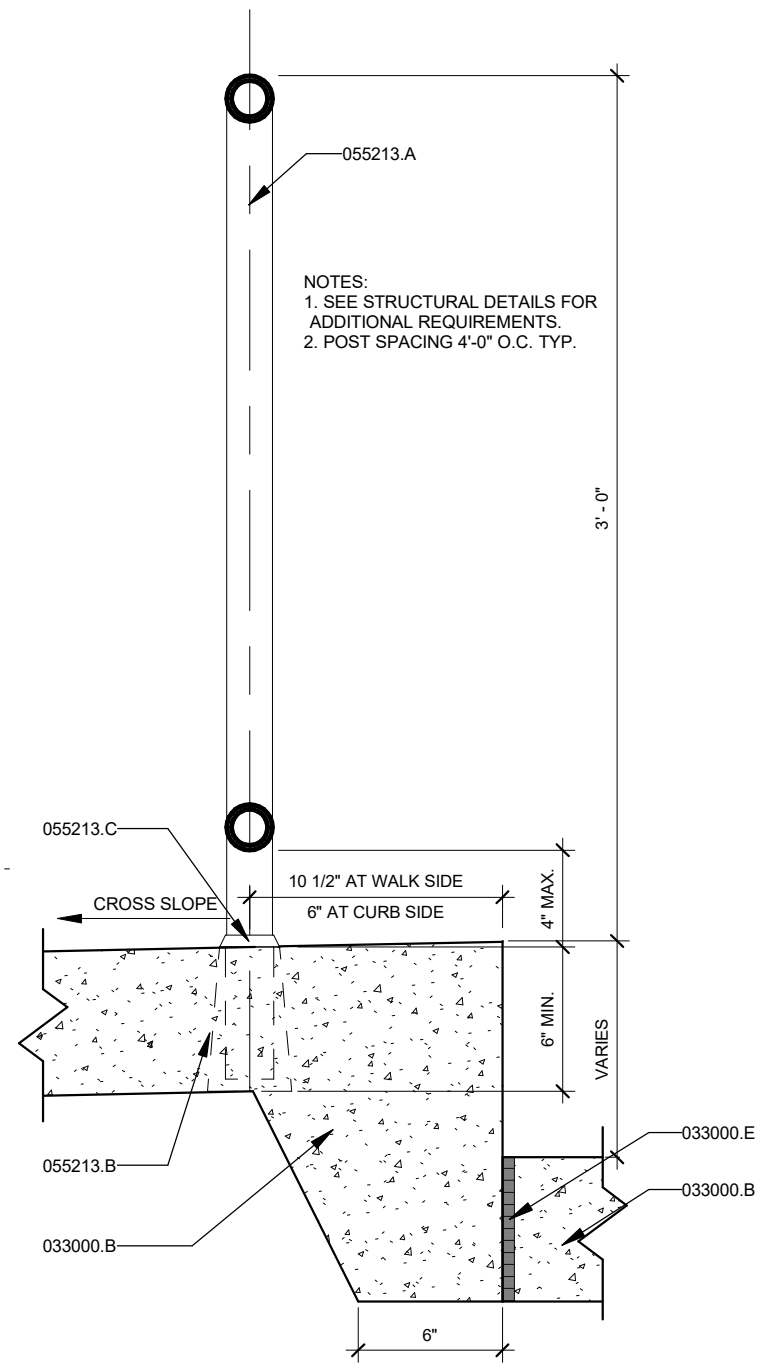
60631225P  
CITY OF MADISON, DANE COUNTY, WI  
CONTRACT NO: 60631225C

RAMP AND HANDRAIL DETAILS  
BUS RAPID TRANSIT  
CITY OF MADISON



60631225P

A422



VARIES WITH LONGITUDINAL SLOPE, 1'-8" AT SLOPE H.P. WITHIN PLATFORM. ALIGN WITH TOP OF KNEE WALL AT PLATFORM. COORD W/ CIVIL DWGS.

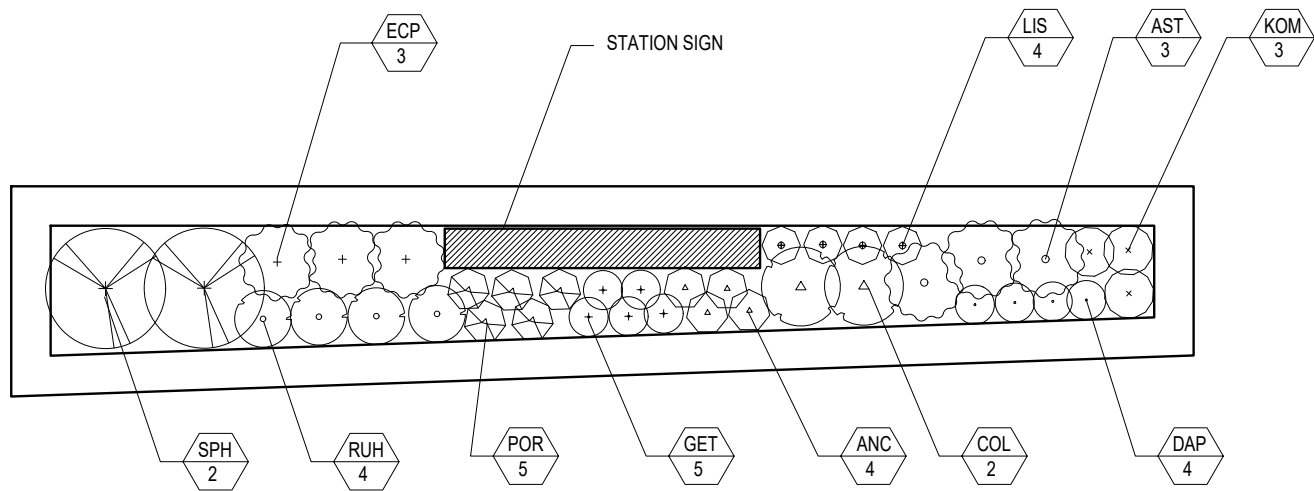
VARIES WITH ROAD GRADE. SEE CIVL DWGS.

1 DETAIL - RAMP HANDRAIL  
Scale: 1 1/2" = 1'-0"

2 DETAIL - SECTION AT ELEC./COMM. CABINET  
Scale: 1 1/2" = 1'-0"





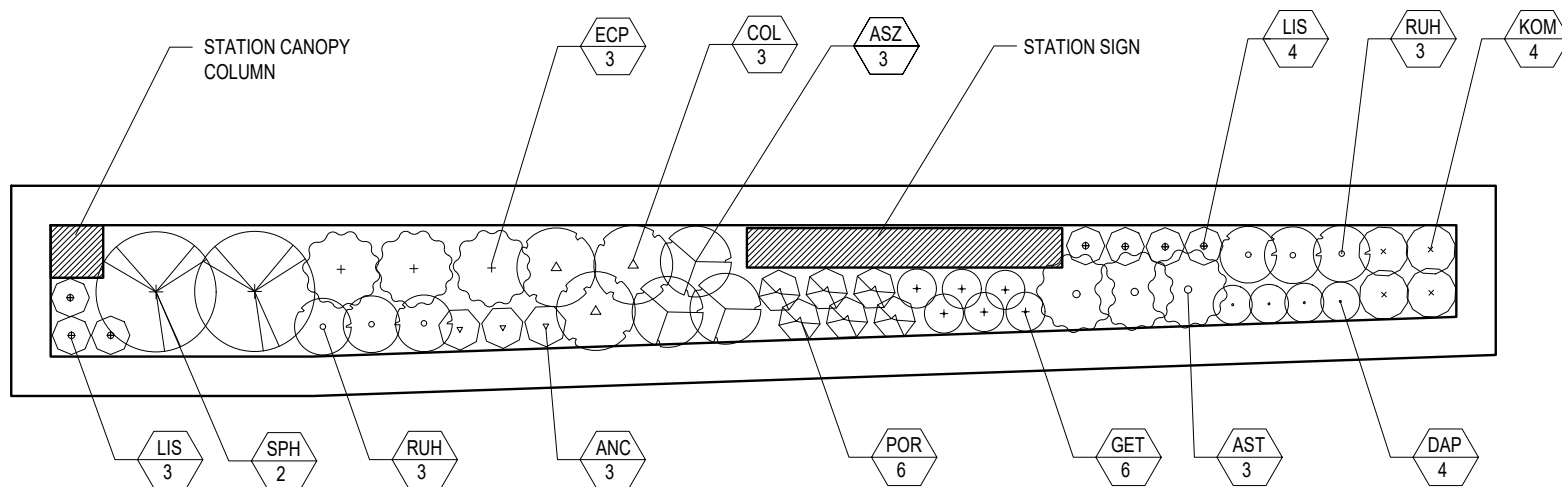
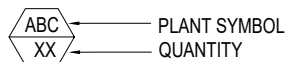


1 | PLANTING PLAN - 15' LONG PLANTER

Scale: N.T.S.

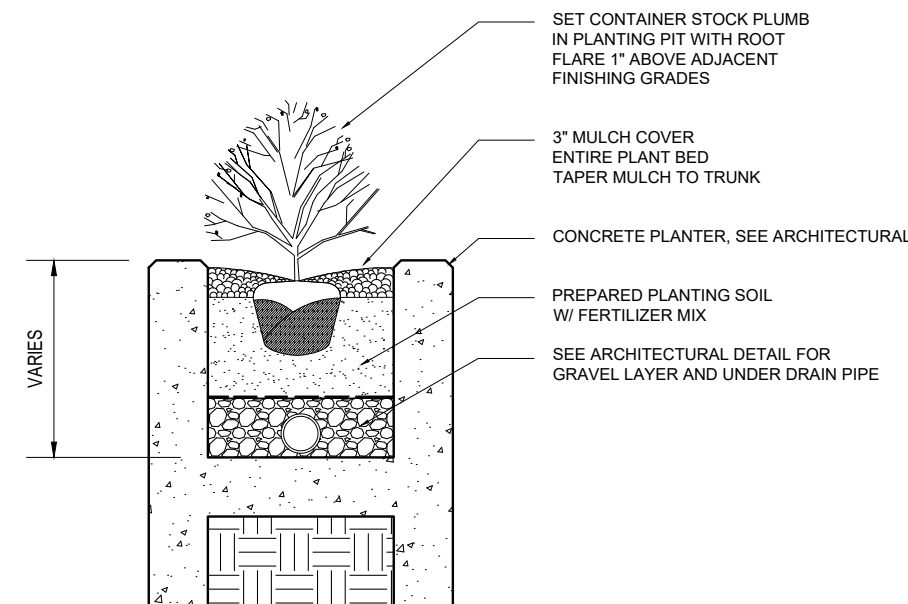
### PLANTER PLANT LIST

| SYMBOL | BOTANICAL NAME                | COMMON NAME           | MATURE HEIGHT | SIZE  | CONDITION | SPACING    |
|--------|-------------------------------|-----------------------|---------------|-------|-----------|------------|
| ANC    | <i>Anemone canadensis</i>     | Canada Anemone        | 18"           | 1 gal | potted    | 6" O.C.    |
| AST    | <i>Asclepias tuberosa</i>     | Butterfly Milkweed    | 24"           | 1 gal | potted    | 1'-0" O.C. |
| ASZ    | <i>Aster azureus</i>          | Sky Blue Aster        | 24"           | 1 gal | potted    | 1' O.C.    |
| COL    | <i>Coreopsis lanceolata</i>   | Sand Coreopsis        | 18"           | 1 gal | potted    | 1'-0" O.C. |
| DAP    | <i>Dalea purpurea</i>         | Purple Prairie Clover | 12"           | 1 gal | potted    | 1'-0" O.C. |
| ECP    | <i>Echinacea purpurea</i>     | Purple Coneflower     | 30"           | 1 gal | potted    | 1' O.C.    |
| GET    | <i>Geum triflorum</i>         | Prairie Smoke         | 6"            | 1 gal | potted    | 6" O.C.    |
| KOM    | <i>Koeleria macrantha</i>     | June Grass            | 24"           | 1 gal | potted    | 1'-0" O.C. |
| LIS    | <i>Liatris spicata</i>        | Blazing Star          | 30"           | 1 gal | potted    | 9" O.C.    |
| POR    | <i>Polemonium reptans</i>     | Jacob's Ladder        | 12"           | 1 gal | potted    | 6" O.C.    |
| RUH    | <i>Rudbeckia hirta</i>        | Black-eyed Susan      | 30"           | 1 gal | potted    | 1' O.C.    |
| SPH    | <i>Sporobolus heterolepis</i> | Prairie Dropseed      | 36"           | 1 gal | potted    | 2'-0" O.C. |



2 | PLANTING PLAN - 18' - 10" LONG PLANTER AT TYPE A1, A2, A5, & A6

Scale: N.T.S.



3 | PLANTING SECTION - PLANTER

Scale: N.T.S.

60631225P  
 CITY OF MADISON, DANE COUNTY, WI  
 CONTRACT NO: 60631225C  
 PLANTER PLANTING PLAN  
 BUS RAPID TRANSIT  
 CITY OF MADISON

| REVISION | DATE | BY |
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MARK: \_\_\_\_\_  
 Designed By: \_\_\_\_\_ Date: 2022-03-08 Scale: ---



# MADISON BRT COMFORT STATIONS

| SHEET INDEX       |   |
|-------------------|---|
| SHEET NUMBER      | SHEET NAME  |
| <b>GENERAL</b>    |   |
| G001              | COMFORT STATIONS SHEET INDEX                        |
| G002              | COMFORT STATIONS GENERAL NOTES AND CODE ANALYSIS    |
| G003              | ABBREVIATIONS                                       |
| G004              | ABBREVIATIONS                                       |
| G005              | ABBREVIATIONS                                       |
| G006              | ADA - BF MOUNTING HEIGHTS                           |
| G007              | COMFORT STATIONS ADA - BF STANDARDS                 |
| G008              | TYPICAL RULES FOR MOUNTING HEIGHTS & LOCATION RULES |
| G009              | TYPICAL RULES FOR MOUNTING HEIGHTS & LOCATION RULES |
| G010              | TYPICAL RULES FOR MOUNTING HEIGHTS & LOCATION RULES |
| G011              | TYPICAL RULES FOR MOUNTING HEIGHTS & LOCATION RULES |
| G012              | TYPICAL RULES FOR MOUNTING HEIGHTS & LOCATION RULES |
| G013              | TYPICAL RULES FOR MOUNTING HEIGHTS & LOCATION RULES |
| G014              | TYPICAL RULES FOR MOUNTING HEIGHTS & LOCATION RULES |
| G015              | TYPICAL RULES FOR MOUNTING HEIGHTS & LOCATION RULES |
| G016              | FINISH MATERIAL ABBREVIATIONS                       |
| G020              | MECHANICAL ABBREVIATIONS AND SYMBOLS                |
| G025              | ELECTRICAL LEGENDS                                  |
| G026              | ELECTRICAL LEGENDS AND ABBREVIATIONS                |
| <b>19</b>         |   |
| <b>STRUCTURAL</b> |   |
| S001              | STRUCTURAL NOTES                                    |
| S002              | STRUCTURAL NOTES                                    |
| S003              | STRUCTURAL NOTES                                    |
| S004              | STRUCTURAL NOTES                                    |
| S100              | FOUNDATION PLAN                                     |
| S101              | ROOF FRAMING PLAN                                   |
| S400              | STRUCTURAL DETAILS                                  |
| S401              | STRUCTURAL DETAILS                                  |
| S900              | STANDARD STRUCTURAL DETAILS                         |
| <b>9</b>          |   |

| SHEET INDEX          |   |
|----------------------|---|
| SHEET NUMBER         | SHEET NAME  |
| <b>ARCHITECTURAL</b> |   |
| A001                 | COMFORT STATION SITE PLAN - JUNCTION ROAD           |
| A002                 | COMFORT STATION SITE PLAN - SUN PRAIRIE             |
| A011                 | COMFORT STATION HANSON ROAD ELECTRICAL BUILDING     |
| A020                 | COMFORT STATION FINISH FLOOR PLAN OVERALL COMBINED  |
| A021                 | COMFORT STATION FINISH FLOOR PLAN OVERALL SEPARATED |
| A101A                | COMFORT STATION ENLARGED JC/STO ROOM FLOOR PLAN     |
| A101B                | COMFORT STATION ENLARGED ELECTRICAL ROOM FLOOR PLAN |
| A102                 | COMFORT STATION ROOF PLAN                           |
| A201                 | COMFORT STATION EXTERIOR ELEVATIONS                 |
| A202                 | COMFORT STATION EXTERIOR ELEVATIONS                 |
| A210                 | COMFORT STATION TYPICAL INTERIOR ELEVATIONS         |
| A301                 | COMFORT STATION BUILDING SECTIONS                   |
| A310                 | COMFORT STATION WALL SECTIONS                       |
| A311                 | COMFORT STATION WALL SECTIONS                       |
| A312                 | COMFORT STATION WALL SECTIONS                       |
| A401                 | COMFORT STATION PLAN DETAILS                        |
| A402                 | COMFORT STATION DOOR FRAME DETAILS                  |
| A403                 | COMFORT STATION DOOR SILL DETAIL                    |
| A405                 | COMFORT STATION ROOF DETAIL                         |
| A406                 | COMFORT STATION HVAC WALL DETAIL                    |
| A407                 | COMFORT STATION HALO DETAIL                         |
| A408                 | COMFORT STATION PARAPET COPING DETAIL               |
| A601                 | COMFORT STATION EXTERIOR WALL SYSTEMS               |
| A602                 | COMFORT STATION INTERIOR PARTITION TYPES            |
| A603                 | COMFORT STATION INTERIOR PARTITION DETAILS          |
| A610                 | COMFORT STATION DOOR SCHEDULE                       |
| A611                 | COMFORT STATION ROOM FINISH SCHEDULE                |
| A701                 | COMFORT STATION REFLECTED CEILING PLAN              |
| A901                 | COMFORT STATION ISOMETRIC VIEWS COMBINED            |

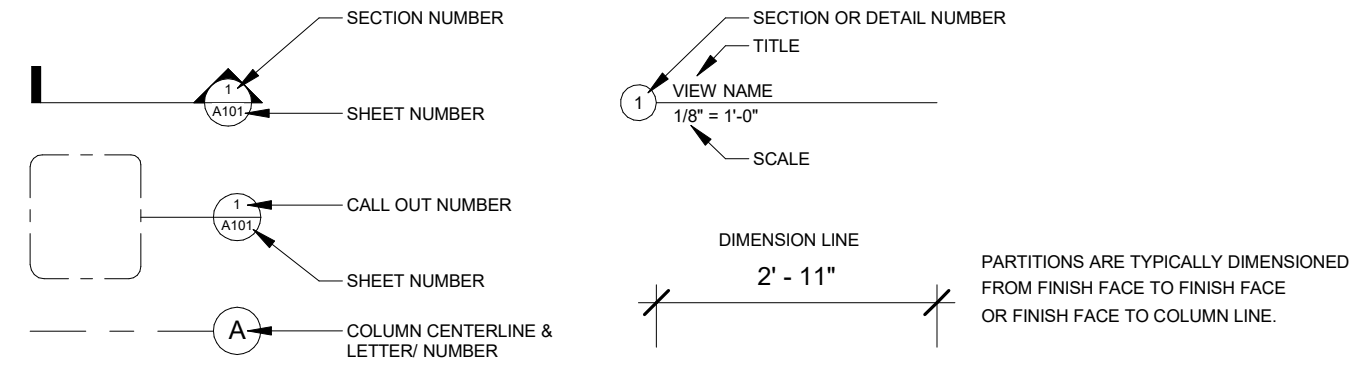
| SHEET INDEX            |  |
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| SHEET NUMBER           | SHEET NAME   |
| A903                   | HANSON ROAD ELECTRICAL BUILDING ISOMETRIC VIEWS    |
| <b>30</b>              |  |
| <b>MECHANICAL</b>      |  |
| M001                   | OVERALL HVAC FLOOR PLAN                            |
| M601                   | MECHANICAL SCHEDULES                               |
| <b>PLUMBING</b>        |  |
| P401                   | PLUMBING DETAILS                                   |
| <b>3</b>               |  |
| <b>ELECTRICAL</b>      |  |
| E001                   | JUNCTION PARK AND RIDE - ELECTRICAL POWER PLAN     |
| E002                   | SUN PRARIE PARK AND RIDE - ELECTRICAL POWER PLAN   |
| E003                   | HANSON MAINTENANCE FACILITY- ELECTRICAL POWER PLAN |
| E004                   | JUNCTION PARK AND RIDE - ELECTRICAL LIGHTING PLAN  |
| E005                   | ELECTRICAL LIGHTING SCHEDULE                       |
| E006                   | ELECTRICAL ME SCHEDULE                             |
| <b>6</b>               |  |
| <b>MECHANICAL</b>      |  |
| M002                   | OVERALL MECHANICAL ROOF PLAN                       |
| <b>PLUMBING</b>        |  |
| P001                   | OVERALL SANITARY/VENT FLOOR PLAN                   |
| P002                   | OVERALL WATER FLOOR PLAN                           |
| P003                   | OVERALL SANITARY ROOF PLAN                         |
| P901                   | PLUMBING ISOMETRICS                                |
| P902                   | PLUMBING STORM WATER ISOMETRIC                     |
| <b>6</b>               |  |
| <b>SHEET COUNT: 73</b> |  |

|   |           |           |           |           |           |           |           |           |           |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 60631225P   | 60631225C | 60631225C | 60631225C | 60631225C | 60631225C | 60631225C | 60631225C | 60631225C | 60631225C |
| COMFORT STATIONS SHEET INDEX  |           |           |           |           |           |           |           |           |           |
| BUS RAPID TRANSIT   |           |           |           |           |           |           |           |           |           |
| CITY OF MADISON, DANE COUNTY, WI  |           |           |           |           |           |           |           |           |           |
| CITY OF MADISON   |           |           |           |           |           |           |           |           |           |
| CONTRACT NO: 60631225C  |           |           |           |           |           |           |           |           |           |
|  |           |           |           |           |           |           |           |           |           |
| G001  |           |           |           |           |           |           |           |           |           |

**GENERAL NOTES:**

1. DO NOT SCALE DRAWINGS TO DETERMINE SIZES AND DIMENSIONS. USE FIGURED DIMENSIONS ONLY. DIMENSIONS ARE TO FINISHED FACE OF WALLS UNLESS OTHERWISE NOTED. ALL PERIMETER DIMENSIONS ARE FROM FACE OF PERIMETER WALLS.
2. ALL WALLS SHALL EXTEND TO FLOOR / ROOF DECK ABOVE UNLESS NOTED OTHERWISE.
3. ALL DIMENSIONS ARE NOMINAL UNLESS NOTED OTHERWISE.
4. SEE STRUCTURAL AND ARCHITECTURAL DRAWINGS FOR RECESSED SLAB LOCATIONS.
5. SLOPE CONCRETE SLABS TO DRAINS AT 1/8" PER FOOT (MINIMUM) TYPICAL.
6. WHERE EXISTING WALLS ARE INDICATED AS RATED WALLS, EXTEND EXISTING WALLS UP TO DECK, SEAL ALL PENETRATIONS, OPENINGS, AND DECK FLUTES WITH A FIRE STOP ASSEMBLY TO MAINTAIN THE INDICATED RATING. DOCUMENTS ARE BASED UPON OWNER'S RECORD DRAWINGS. NOTIFY ARCHITECT OF DISCREPANCIES PRIOR TO CONTINUATION OF WORK.
8. VERIFY ALL CONDITIONS AND DIMENSIONS IN FIELD PRIOR TO START OF WORK.
9. REMOVE WALL ANCHORS, NAILS, SCREWS, ETC. AND PATCH AND FILL HOLES AT EXISTING SURFACES SCHEDULED TO RECEIVE NEW FINISHES.
10. ALL SURFACES DISTURBED DUE TO DEMOLITION/ REMODELING, ARE TO BE PATCHED TO MATCH ADJACENT SURFACES AND PREPARED TO RECEIVE NEW FINISHES.
11. WHERE FACE BRICK INFILL IS INDICATED, TOOTH-IN NEW FACE BRICK TO EXISTING FACE BRICK. NEW FACE BRICK TO MATCH THICKNESS OF EXISTING.
12. ALWAYS REFER TO PROVIDED DIMENSIONS. PROJECT MEASUREMENTS NOT TAKEN DIRECTLY FROM PROVIDED DIMENSIONS SUBJECT CONTRACTOR TO LIABILITY FOR ANY RESULTANT ERRORS.
13. IT IS THE INTENT OF THESE DOCUMENTS TO INCLUDE INFORMATION NECESSARY FOR THE COMPLETION OF THE PROJECT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INQUIRE AS TO THE INTENT OF THE DRAWINGS IN AREAS THAT ARE IN QUESTION FOR MEANING AND INTENT.
14. CONTRACTOR IS RESPONSIBLE FOR ALL MEANS AND METHODS OF CONSTRUCTION AND SHALL CONSTRUCT WORK IN COMPLIANCE TO ALL APPLICABLE BUILDING CODES AND ORDINANCES.
15. THE OWNER'S NORMAL OPERATIONS WILL BE CONTINUED DURING CONSTRUCTION. THE CONSTRUCTION SHALL NOT INTERFERE WITH THESE OPERATIONS IN ANY WAY WITHOUT THE OWNER'S EXPRESSED CONSENT.
16. IT SHALL BE EACH TRADE CONTRACTORS RESPONSIBILITY TO VISIT THE SITE AND FAMILIARIZE HIMSELF/HERSELF WITH ALL EXISTING CONDITIONS. EACH CONTRACTOR SHALL TAKE ALL NECESSARY FIELD MEASUREMENTS AND OTHERWISE VERIFY ALL DIMENSIONS AND EXISTING CONSTRUCTION CONDITIONS INDICATED AND/OR SHOWN ON THE DRAWINGS. SHOULD ANY ERROR OR INCONSISTENCY EXIST, THE CONTRACTOR SHALL NOT PROCEED WITH THE WORK AFFECTED THEREBY UNTIL REPORTING THE SAME TO THE ARCHITECT AND THE OWNERS REPRESENTATIVE FOR CLARIFICATION AND/OR CORRECTION.
17. DIMENSIONS FOLLOWED BY +/- SHALL BE REVIEWED AND ALL NECESSARY ADJUSTMENTS MADE PRIOR TO FABRICATION AND/OR INSTALLATION OF WORK. NOTIFY ARCHITECT /ENGINEER OF ANY DISCREPANCIES BEFORE PROCEEDING WITH WORK.
18. ALL EXISTING CONSTRUCTION AND SURFACES WHICH ARE TO REMAIN BUT ARE AFFECTED BY THE WORK UNDER THIS CONTRACT SHALL BE RESTORED AND REFINISHED TO MATCH THE CONSTRUCTION, FINISH AND ALIGNMENT OF THE EXISTING ADJACENT CONSTRUCTION AND FINISHES, UNLESS NOTED OTHERWISE.
19. VERIFY QUANTITY, SIZE AND LOCATION OF ALL FLOOR, ROOF AND WALL OPENINGS FOR MECHANICAL AND ELECTRICAL WORK WITH THE APPROPRIATE TRADE. PROVIDE ALL OPENINGS SHOWN OR REQUIRED FOR COMPLETION OF WORK.
20. COORDINATE SIZE AND LOCATION OF ALL HOUSE-KEEPING PADS AND/OR EQUIPMENT SUPPORTS WITH APPROPRIATE EQUIPMENT MANUFACTURER.
21. PROVIDE FIRE WATCH DURING FIELD CUTTING AND WELDING OPERATIONS, MEETING OWNERS REQUIREMENTS.
22. THE CONTRACTOR SHALL VERIFY THE EXISTENCE, LOCATION AND ELEVATION OF ALL UNDERGROUND UTILITIES IN WORK AREAS PRIOR TO PROCEEDING WITH CONSTRUCTION. ALL DISCREPANCIES SHALL BE DOCUMENTED AND FORWARDED TO ARCHITECT AND OWNERS REPRESENTATIVE FOR ACTION.
23. IT IS THE CONTRACTORS RESPONSIBILITY TO INVESTIGATE FIELD CONDITIONS AND PROVIDE AS NEEDED TEMPORARY SUPPORTS, SHORING AND / OR PROTECTION OF EXISTING STRUCTURES AND UNDERGROUND UTILITIES DURING EXECUTION OF WORK.
24. ALL WORK TO COMFORM TO THE REQUIREMENTS OF FEDERAL, STATE, AND LOCAL CODES AND ORDINANCES. COORDINATE WITH SPECIFICATIONS, DIVISION 1.
25. RELEVANT DIMENSIONS AND ELEVATIONS FOR EQUIPMENT INSTALLATIONS SHALL BE VERIFIED AND COORDINATED WITH MANUFACTURER'S CERTIFIED EQUIPMENT INSTALLATION DRAWINGS.
26. CONTRACTOR SHALL PROVIDE TEMPORARY DUST PROOF PARTITIONS AS REQUIRED, OR WHERE REQUESTED BY OWNERS' REPRESENTATIVE. PARTITIONS SHALL BE FIRE RATED WHERE REQUIRED BY CODE HAVING JURISDICTION. ALL TEMPORARY PARTITIONS SHALL BE CONSTRUCTED IN A MANNER AND OF MATERIALS OFFERING ADEQUATE PROTECTION TO OWNER'S EQUIPMENT AND PERSONNEL.
27. ALL PENETRATIONS TO FLOORS, CEILINGS AND WALLS SHALL BE SEALED AND FIRE STOPPED TO A FIRE RATING EQUAL TO THE CONSTRUCTION BEING PENETRATED.
28. CONTRACTOR SHALL RESTORE FIRE RESISTIVE MATERIALS DISTURBED DURING CONSTRUCTION WITH NEW MATERIALS TO MATCH EXISTING FIRE RESISTIVE MATERIALS.
29. ANY ITEM NEEDING TO BE HUNG FROM ABOVE NEEDS TO BE HUNG FROM MAIN STRUCTURE. NO ITEMS TO BE HUNG FROM ROOF/FLOOR DECK. ANY ADDITIONAL SUPPORT REQUIRED TO BE PROVIDED BY CONTRACTOR
30. NOT ALL NOTES AND/ OR SYMBOLS SHOWN ON THE SHEET MAY BE APPLICABLE TO THIS PROJECT.

**DRAWING SYMBOLS**



**MATERIALS LEGEND**

- MASONRY
- CONCRETE
- WALL
- ACT
- CMU BLOCK
- INSULATION

**PARTITION TYPE LEGEND**

- CONCRETE MASONRY UNIT (CMU)
- SMOKE TIGHT ZERO HOUR PARTITION
- ONE HOUR SMOKE TIGHT BARRIER (UL U419 OR U905)
- ONE HOUR FIRE BARRIER (UL U419 OR U905)
- TWO HOUR FIRE/SMOKE BARRIER (UL U419 OR U905)

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60631225P  
CITY OF MADISON, DANE COUNTY, WI  
CONTRACT NO: 60631225C

COMFORT STATIONS GENERAL NOTES AND CODE ANALYSIS  
BUS RAPID TRANSIT  
CITY OF MADISON









ABRV. CONT.

FEC Fire Extinguisher Cabinet  
 FEH Fire Extinguisher Hook  
 FF Foil Faced  
 FH Fume Hood  
 FHC Fire Hose Cabinet  
 FHCE Fume Hood Ceiling Enclosure  
 FIN Finish  
 FIXT Fixture  
 FL Floor  
 FLUOR Fluorescent  
 FO Fiber Optic  
 FOC Face of Concrete  
 FOP Face of Precast  
 FP Flat Panel NIC  
 FRM Frame  
 FRT Fire Retardant Treated  
 FS Firestopping  
 FT Feet  
 FTG Footing  
 FTR Fin Tube Radiation  
 FV (Contractor to) Field Verify

G Gas (or) Ground  
 GA Gauge  
 GALV Galvanized  
 GB Grab Bar  
 GC General Contractor  
 GFI Ground Fault Interrupting  
 GFRG Glass Filer Reinforced Gypsum  
 GL Glass  
 GRN Granite  
 GV Gas Valve  
 GWB Gypsum Wall Board  
 GYP Gypsum

H Hot (or) Height  
 HB Hose Bib  
 HC Handicapped  
 HCR Hollow Core  
 HCP Handicap  
 HDW Hardware  
 HE Helium

HeR Helium Return  
 HGT Height  
 HM Hollow Metal  
 HOR Horizontal  
 HP High Point  
 HR Hour  
 HTR Heater  
 HVAC Heating, Ventilation  
 and Air Conditioning  
 HW Hot Water

ID Inside Diameter  
 IN Inch or Inches  
 INCAND Incandescent  
 INCL Include (-ding)  
 INSTRUM Instrument

JAN Janitor  
 JT Joint  
 JNT Joint

KS Knee Space

LAM Laminated  
 LAV Lavatory  
 LGMF Light Gage Metal Framing  
 LL Lower Level  
 LMF Light Gage Metal Framing (sim)  
 LP Low Point  
 LT Light  
 LTG Lighting

MACH Machine  
 MAX Maximum  
 MB Markerboard  
 MDF Medium Density Fiberboard  
 MECH Mechanical  
 MEMB Membrane

MET Metal  
 MFR Manufacturer  
 MIN Minimum  
 MISC MISC.  
 MO Masonry Opening  
 MOS Mosaic  
 MP Metal Panel  
 MR Moisture Resistant  
 MTD Mounted  
 MTL Metal

N Nitrogen  
 NA Not Applicable  
 NER National Evaluation Report  
 NIC Not in Contract  
 NO Number  
 NSF Net Square Feet  
 NTS Not to Scale

OBL Oblique  
 OC On Center  
 OD Outside Diameter  
 OF Owner Furnished  
 OFO Owner Furnished & Owner Installed  
 OFOI Owner Furnished & Owner Installed  
 OFCI Owner Furnished & Contractor Installed  
 O.H. Opposite Hand  
 O.H. DR Overhead Door  
 OHSG Overhead Service Grid  
 OPNG Opening  
 OPP Opposite  
 OPPH Opposite Hand  
 OVP Overhead Video Projector Support  
 OVPS Overhead Video Projector

P Patch (or) Persons  
 PB Pegboard  
 PC Precast Concrete

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CITY OF MADISON, DANE COUNTY, WI

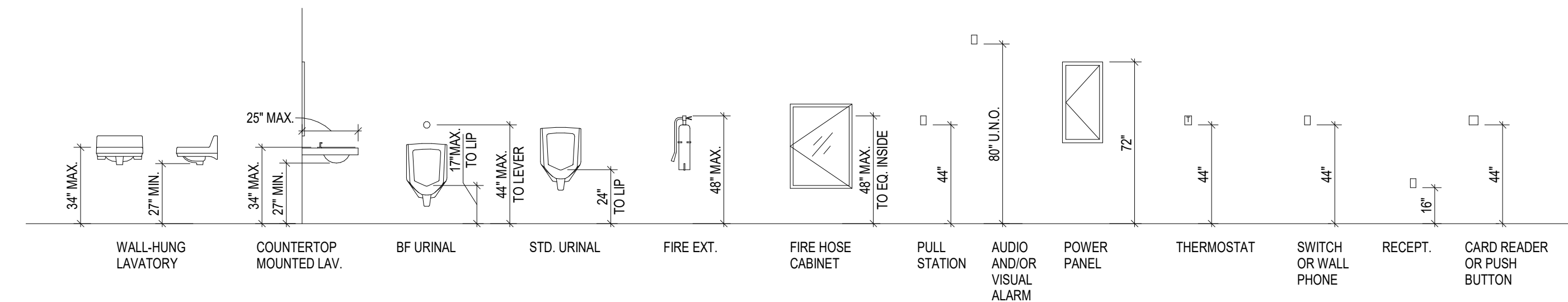
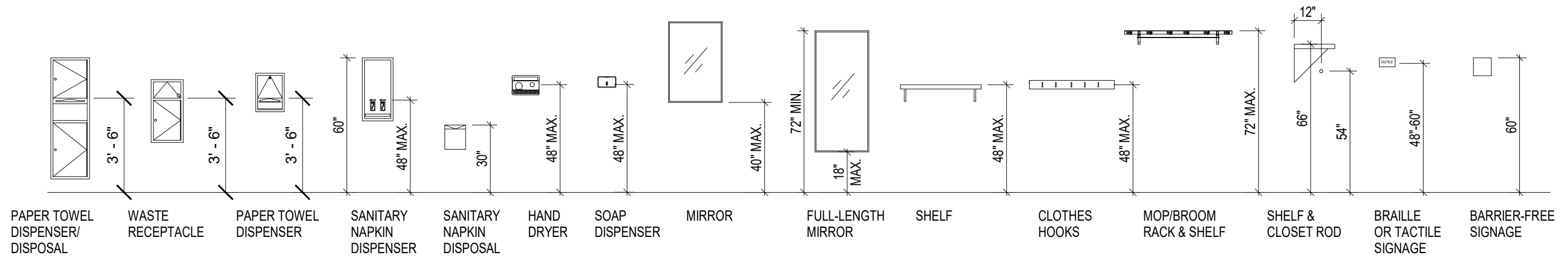
ABBREVIATIONS  
 BUS RAPID TRANSIT  
 CITY OF MADISON



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**NOTE:**  
 THE DIAGRAMS ON THIS SHEET ARE INTENDED TO CONVEY BARRIER FREE STANDARDS INCLUDING MINIMUM OR MAXIMUM MOUNTING HEIGHTS. FOR SPECIFIC MOUNTING HEIGHTS FOR VARIOUS ELEMENTS, REFER TO INTERIOR ELEVATIONS. DIMENSIONS ON INTERIOR ELEVATIONS TAKE PRECEDENCE OVER ADA TYPICAL DIAGRAMS. IF AN ELEVATION DIMENSION DOES NOT FALL WITHIN THE ADA GUIDELINES SHOWN ON THIS SHEET, REPORT THE DISCREPANCY TO THE ARCHITECT FOR CLARIFICATION.

# BARRIER FREE & STANDARD MOUNTING HEIGHTS

NOT TO SCALE

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60631225P  
 CITY OF MADISON, DANE COUNTY, WI  
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ADA - BF MOUNTING HEIGHTS  
 BUS RAPID TRANSIT  
 CITY OF MADISON



# TOILET ROOM ACCESSORY LEGEND

| SYMBOL | DESCRIPTION                            | FURNISH/INSTALL |
|--------|--|-----------------|
| ①      | FRAMED MIRROR, SEE ELEVATIONS FOR SIZE | CFCI            |
| ②      | SANITARY NAPKIN DISPENSER UNIT         | CFCI            |
| ③      | TOILET SEAT COVER DISPENSER            | CFCI            |
| ④      | WASTE CAN                              | CFCI            |
| ⑤      | SANITARY NAPKIN DISPOSAL UNIT          | CFCI            |
| ⑥      | TOILET PAPER DISPENSER                 | CFCI            |
| ⑦      | GRAB BARS                              | CFCI            |
| ⑧      | SOAP DISPENSER                         | CFCI            |
| ⑨      | HAND DRYER                             | CFCI            |
| ⑩      | COAT HOOK                              | CFCI            |

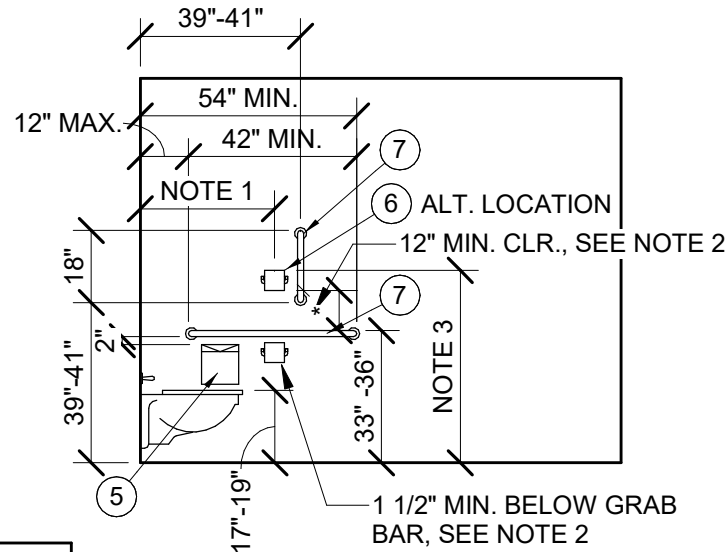
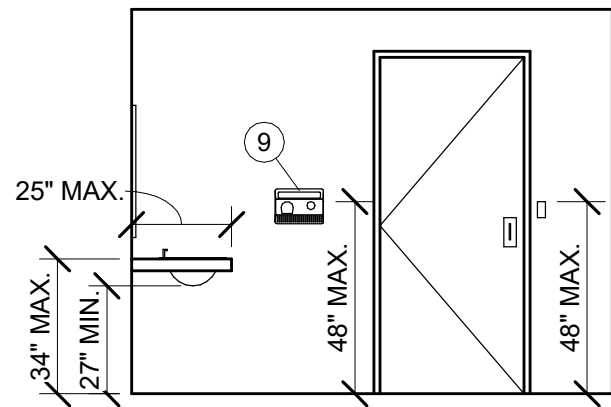
**NOTE:**  
 1. NOT ALL ITEMS IN LEGEND MAY BE USED.  
 2. ALL TOILET ACCESSORIES ARE TO BE CFCI, UNO.

**NOTES:**

1. DISPENSER OUTLET ABOVE THE GRAB BAR SHALL BE 24" MIN. & 36" MAX. FROM REAR WALL. BELOW THE GRAB BAR, DISPENSER OUTLET SHALL BE 24" MIN. & 42" MAX. FROM REAR WALL.
2. NO PART OF ANY ACCESSORY SHALL BE WITHIN A ZONE 12" ABOVE AND 1 1/2" BELOW THE GRAB BAR. EXCEPTION: RECESSED DISPENSERS EXTENDING NO MORE THAN 1/4" BEYOND THE FACE OF WALL MAY CROSS THIS ZONE. NO PORTION OF A RECESSED DISPENSER SHALL BE BEHIND THE GRAB BAR ITSELF.
3. OUTLET OF DISPENSER SHALL BE 18" MIN. AND 48" MAX. ABOVE FLOOR.

**NOTE:**

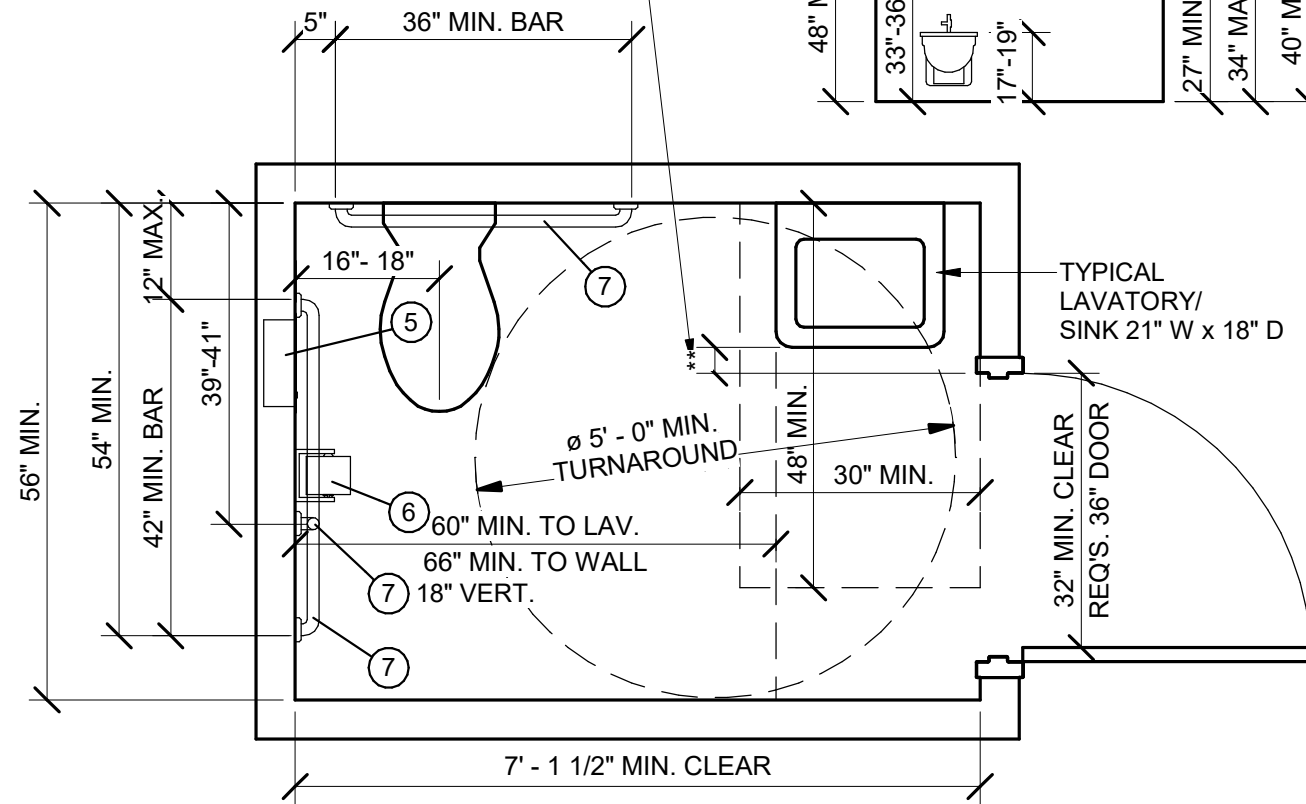
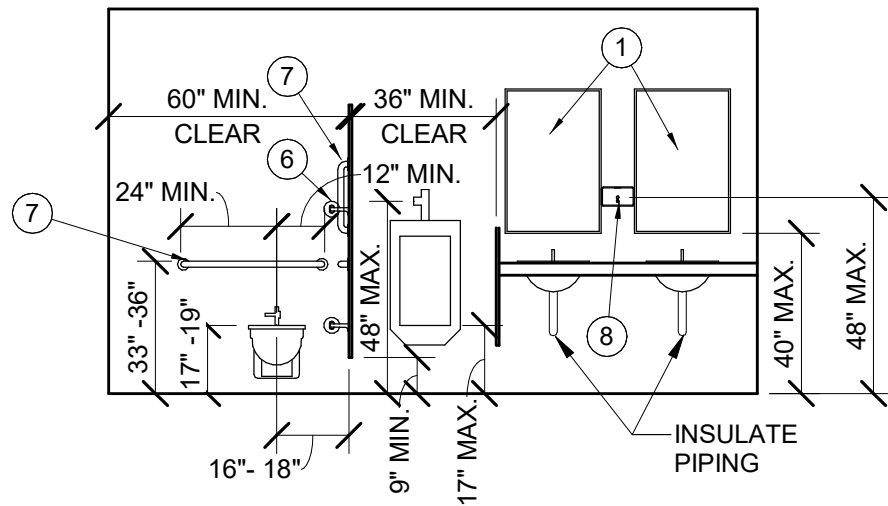
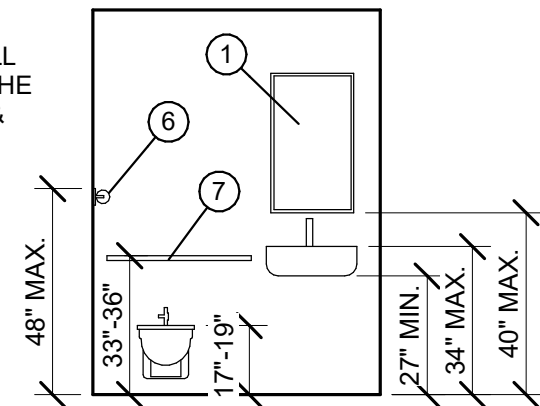
THE DIAGRAMS ON THIS SHEET ARE INTENDED TO CONVEY BARRIER FREE STANDARDS INCLUDING MINIMUM OR MAXIMUM MOUNTING HEIGHTS. FOR SPECIFIC MOUNTING HEIGHTS FOR VARIOUS ELEMENTS, REFER TO INTERIOR ELEVATIONS. DIMENSIONS ON INTERIOR ELEVATIONS TAKE PRECEDENCE OVER ADA TYPICAL DIAGRAMS. IF AN ELEVATION DIMENSION DOES NOT FALL WITHIN THE ADA GUIDELINES SHOWN ON THIS SHEET, REPORT THE DISCREPANCY TO THE ARCHITECT FOR CLARIFICATION.



**NOTES:**

1. DISPENSER OUTLET ABOVE THE GRAB BAR SHALL BE 24" MIN. & 36" MAX. FROM REAR WALL. BELOW THE GRAB BAR, DISPENSER OUTLET SHALL BE 24" MIN. & 42" MAX. FROM REAR WALL.

\*\* MAY BE 0" UNLESS DOOR HAS BOTH CLOSER & LATCH, THEN 12" MIN. IS REQUIRED



**BARRIER FREE STANDARD ELEVATIONS**  
 (REFER TO PLANS FOR ACTUAL LAYOUT)  
 NOT TO SCALE

**BARRIER FREE STANDARDS**  
 (REFER TO PLANS FOR ACTUAL ROOM LAYOUT)  
 NOT TO SCALE

60631225P

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

COMFORT STATIONS ADA - BF STANDARDS

BUS RAPID TRANSIT

CITY OF MADISON

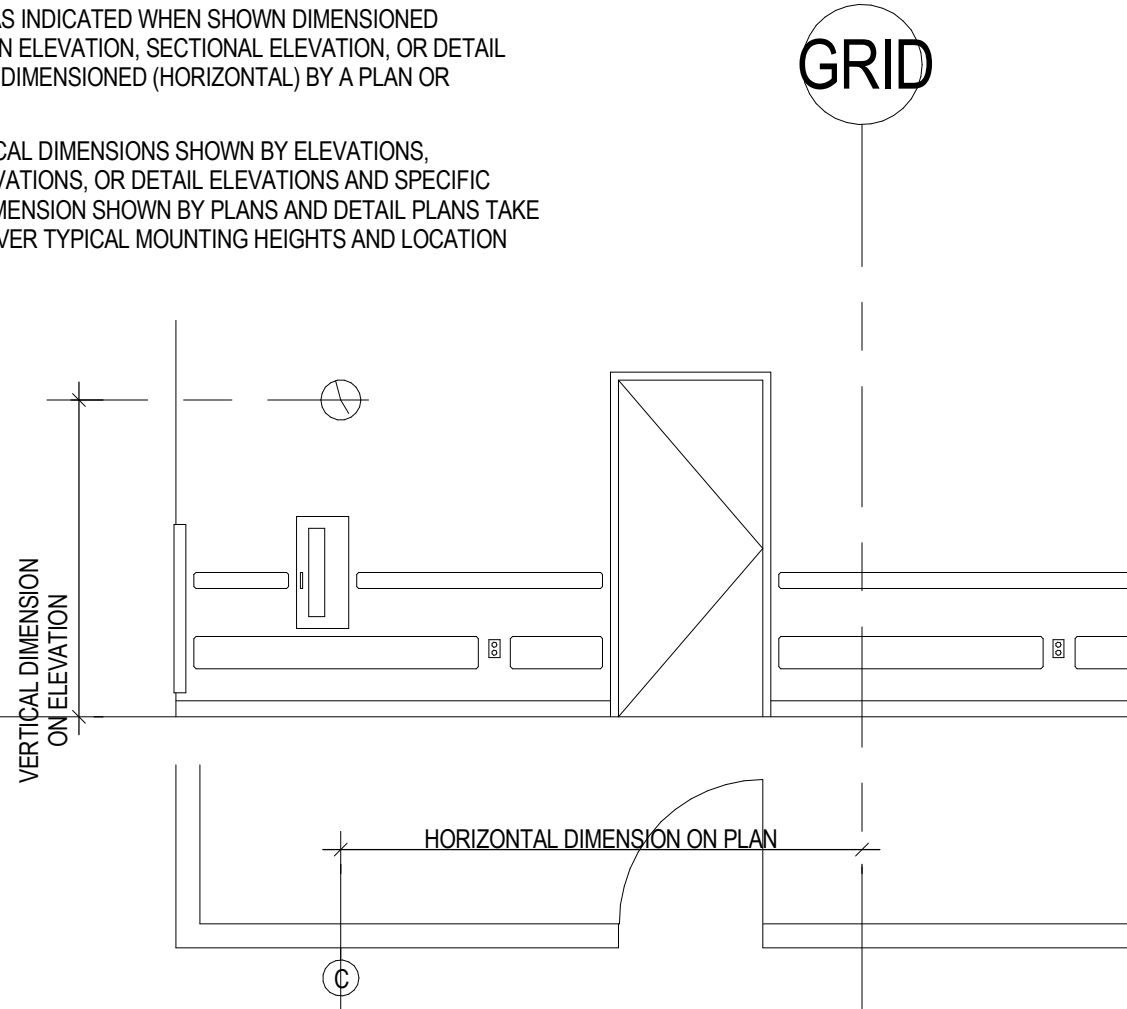


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LOCATE ITEMS AS INDICATED WHEN SHOWN DIMENSIONED (VERTICAL) BY AN ELEVATION, SECTIONAL ELEVATION, OR DETAIL ELEVATION AND DIMENSIONED (HORIZONTAL) BY A PLAN OR DETAIL PLAN.

SPECIFIC VERTICAL DIMENSIONS SHOWN BY ELEVATIONS, SECTIONAL ELEVATIONS, OR DETAIL ELEVATIONS AND SPECIFIC HORIZONTAL DIMENSION SHOWN BY PLANS AND DETAIL PLANS TAKE PRECEDENCE OVER TYPICAL MOUNTING HEIGHTS AND LOCATION RULES.

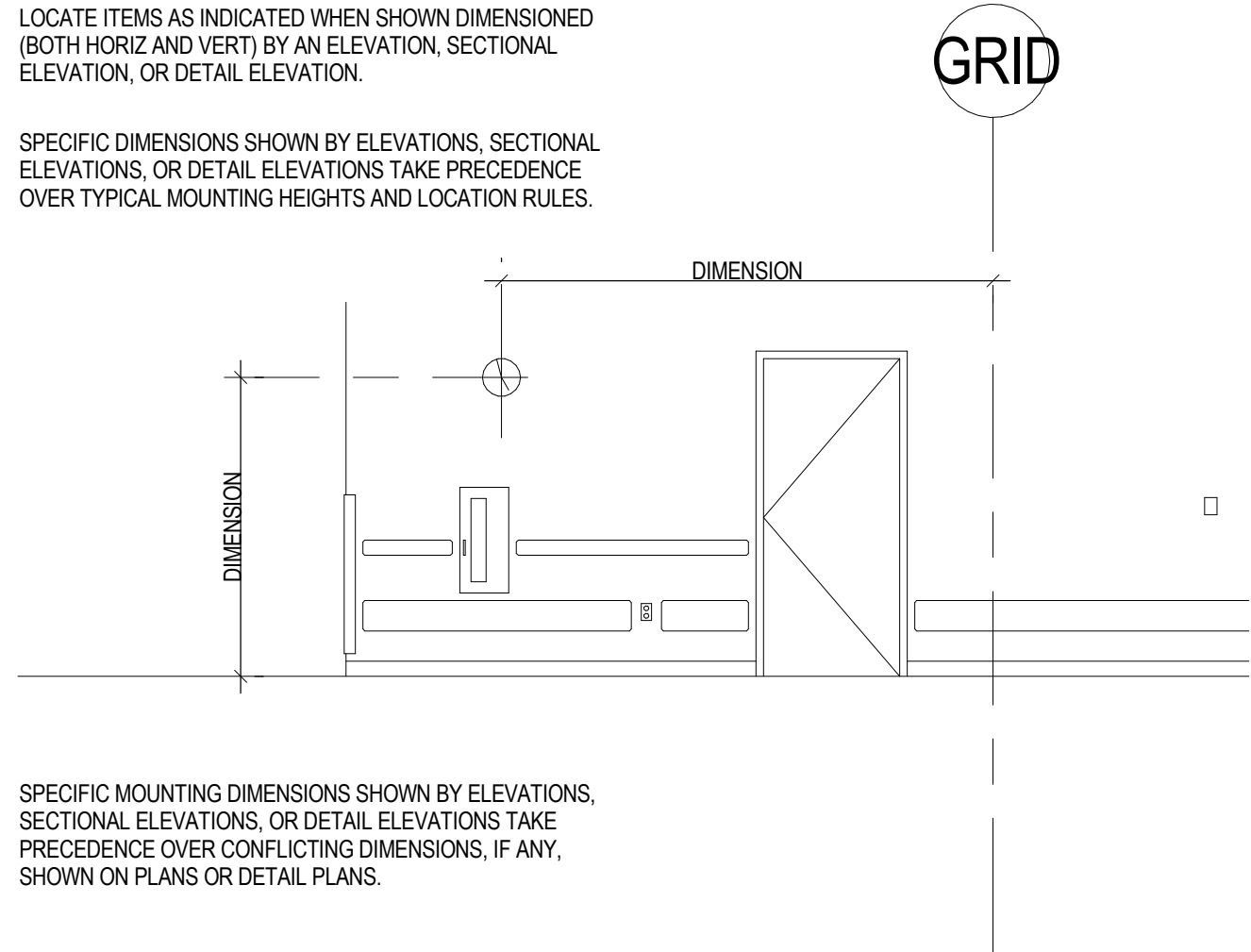


## RULE 2

WHEN COMPLETELY DIMENSIONED BY COMBINATION OF PLAN AND ELEVATION

LOCATE ITEMS AS INDICATED WHEN SHOWN DIMENSIONED (BOTH HORIZ AND VERT) BY AN ELEVATION, SECTIONAL ELEVATION, OR DETAIL ELEVATION.

SPECIFIC DIMENSIONS SHOWN BY ELEVATIONS, SECTIONAL ELEVATIONS, OR DETAIL ELEVATIONS TAKE PRECEDENCE OVER TYPICAL MOUNTING HEIGHTS AND LOCATION RULES.



## RULE 1

WHEN COMPLETELY DIMENSIONED IN ELEVATION

SPECIFIC MOUNTING DIMENSIONS SHOWN BY ELEVATIONS, SECTIONAL ELEVATIONS, OR DETAIL ELEVATIONS TAKE PRECEDENCE OVER CONFLICTING DIMENSIONS, IF ANY, SHOWN ON PLANS OR DETAIL PLANS.

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TYPICAL RULES FOR MOUNTING HEIGHTS & LOCATION RULES

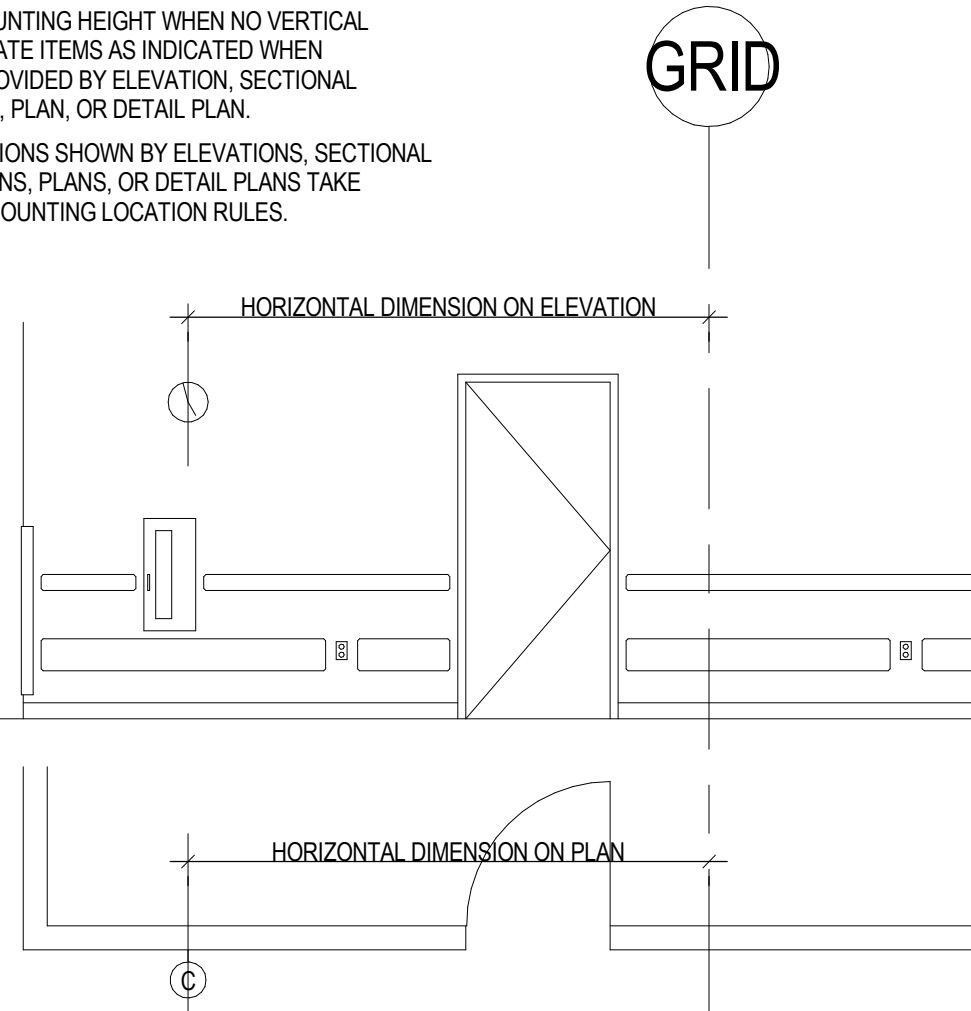
BUS RAPID TRANSIT  
 CITY OF MADISON





LOCATE ITEMS AT TYPICAL MOUNTING HEIGHT WHEN NO VERTICAL DIMENSION IS PROVIDED. LOCATE ITEMS AS INDICATED WHEN HORIZONTAL DIMENSION IS PROVIDED BY ELEVATION, SECTIONAL ELEVATION, DETAIL ELEVATION, PLAN, OR DETAIL PLAN.

SPECIFIC HORIZONTAL DIMENSIONS SHOWN BY ELEVATIONS, SECTIONAL ELEVATIONS, DETAIL ELEVATIONS, PLANS, OR DETAIL PLANS TAKE PRECEDENCE OVER TYPICAL MOUNTING LOCATION RULES.

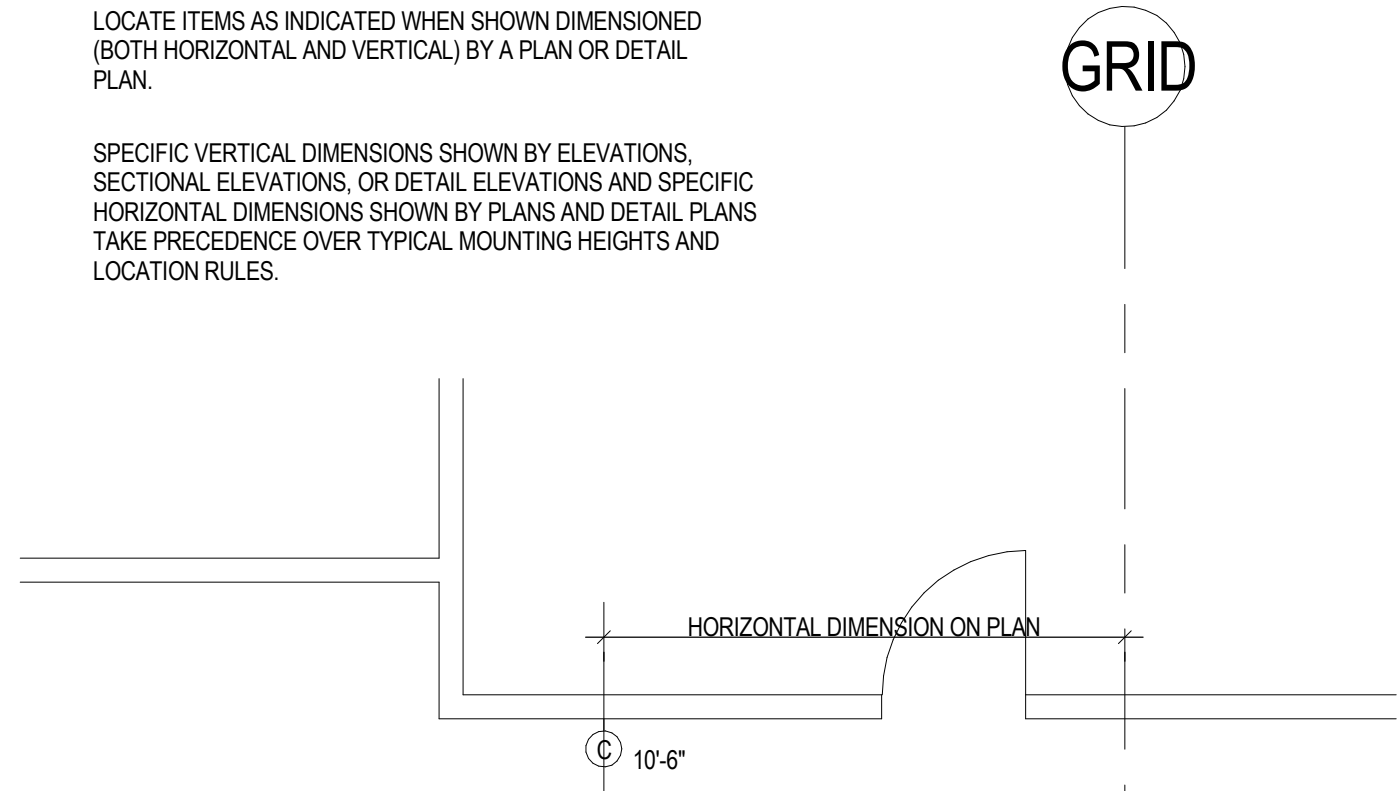


### RULE 4

WHEN DIMENSIONED HORIZONTALLY IN PLAN OR ELEVATION, BUT NOT DIMENSIONED VERTICALLY

LOCATE ITEMS AS INDICATED WHEN SHOWN DIMENSIONED (BOTH HORIZONTAL AND VERTICAL) BY A PLAN OR DETAIL PLAN.

SPECIFIC VERTICAL DIMENSIONS SHOWN BY ELEVATIONS, SECTIONAL ELEVATIONS, OR DETAIL ELEVATIONS AND SPECIFIC HORIZONTAL DIMENSIONS SHOWN BY PLANS AND DETAIL PLANS TAKE PRECEDENCE OVER TYPICAL MOUNTING HEIGHTS AND LOCATION RULES.



### RULE 3

WHEN COMPLETELY DIMENSIONED ON PLANS

NON-TYPICAL MOUNTING HEIGHTS MAY BE INDICATED BY SYMBOL (AS SHOWN), BY KEYED NOTE, OR BY NOTATION ON PLANS.

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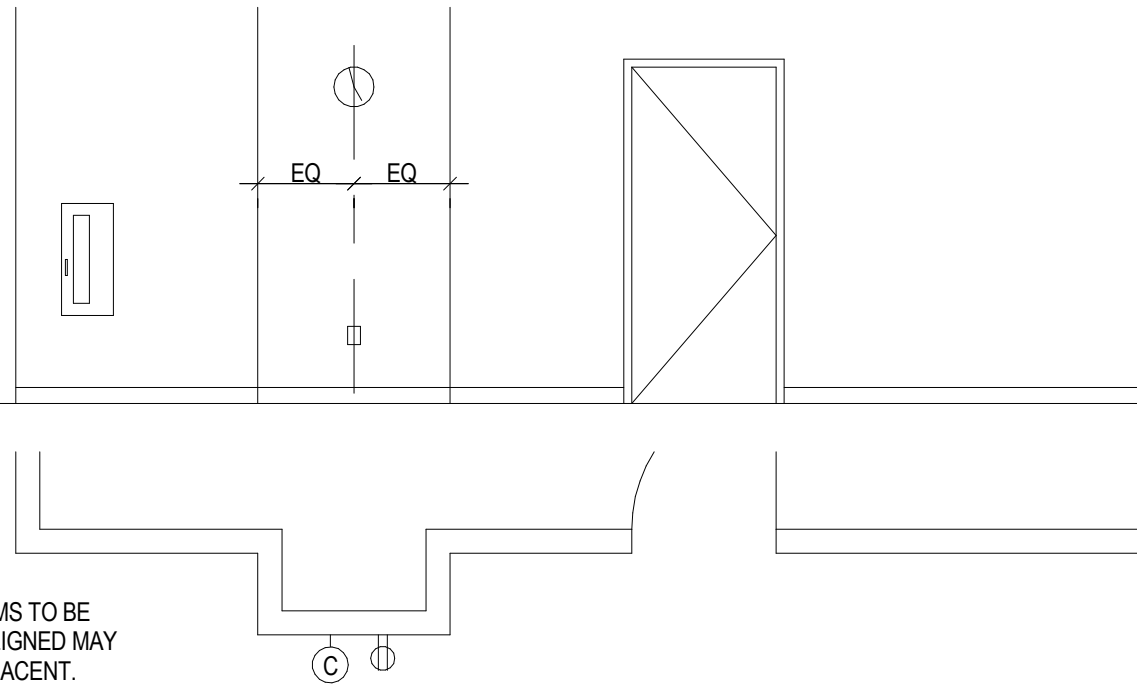
TYPICAL RULES FOR MOUNTING HEIGHTS & LOCATION RULES

BUS RAPID TRANSIT  
 CITY OF MADISON



WHEN NOT DIMENSIONED AND SHOWN LOCATED ON A COLUMN OR PILASTER, AND WHEN NO OTHER TYPICAL CONFIGURATION DIAGRAM APPLIES: HORIZONTALLY CENTER ITEM ON FACE OF COLUMN OR PILASTER. ALIGN VERTICALLY CENTERS OF MULTIPLE ITEMS HAVING DIFFERING TYPICAL MOUNTING HEIGHTS.

WHEN MULTIPLE ITEMS HAVING THE SAME TYP MOUNTING HEIGHT ARE INDICATED, HORIZONTALLY CENTER GROUP OF ITEMS ON FACE OF COLUMN OR PILASTER (SEE RULE 7).



ON PLANS, ITEMS TO BE VERTICALLY ALIGNED MAY BE SHOWN ADJACENT.

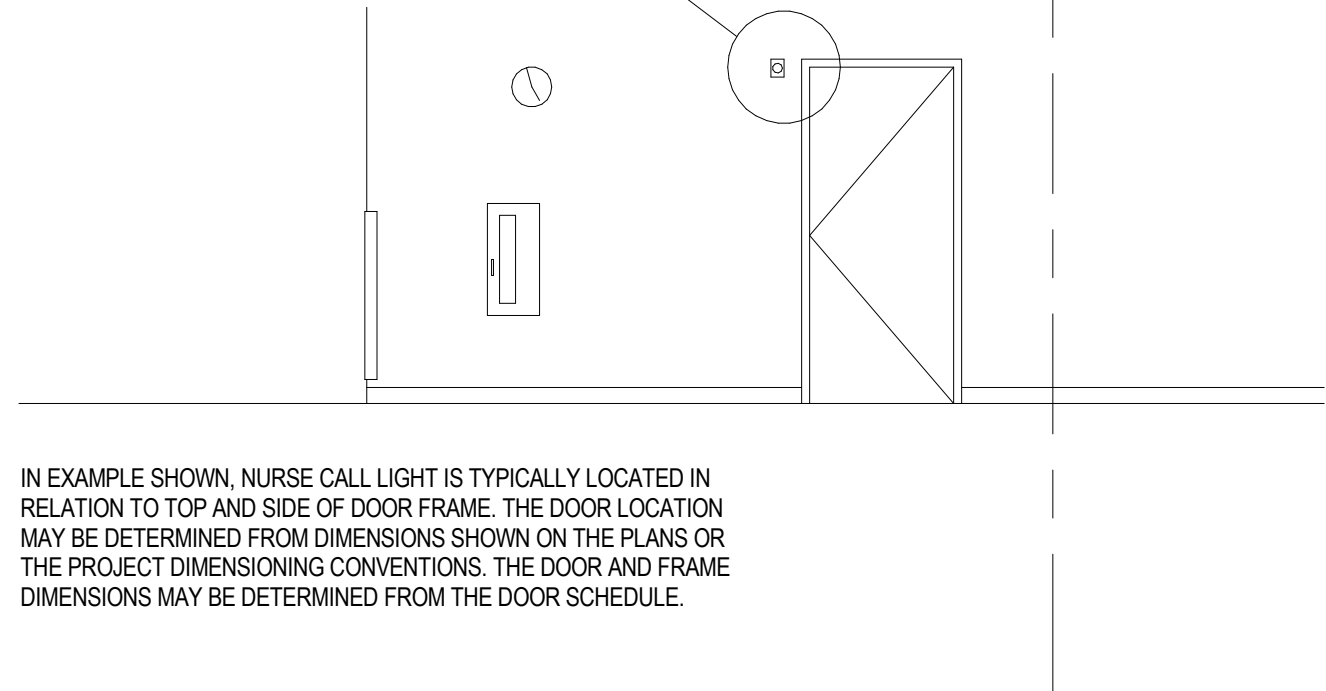
## RULE 6

NOT DIMENSIONED AND LOCATED ON COLUMN OR PILASTER

UTILIZE TYPICAL MOUNTING CONFIGURATION DIAGRAMS PROVIDED TO DETERMINE HORIZONTAL AND VERTICAL LOCATION OF ITEM OR GROUP OF ITEMS IN RELATION TO OTHER, DIMENSIONED ITEMS.

SPECIFIC DIMENSIONS SHOWN BY TYPICAL MOUNTING CONFIGURATION DIAGRAMS TAKE PRECEDENCE OVER CONFIGURATIONS SHOWN WITHOUT DIMENSIONS ON ELEVATIONS.

SEE APPLICABLE TYPICAL CONFIGURATION DIAGRAM



IN EXAMPLE SHOWN, NURSE CALL LIGHT IS TYPICALLY LOCATED IN RELATION TO TOP AND SIDE OF DOOR FRAME. THE DOOR LOCATION MAY BE DETERMINED FROM DIMENSIONS SHOWN ON THE PLANS OR THE PROJECT DIMENSIONING CONVENTIONS. THE DOOR AND FRAME DIMENSIONS MAY BE DETERMINED FROM THE DOOR SCHEDULE.

## RULE 5

WHEN NO DIMENSIONS ARE PROVIDED IN PLANS OR ELEVATIONS

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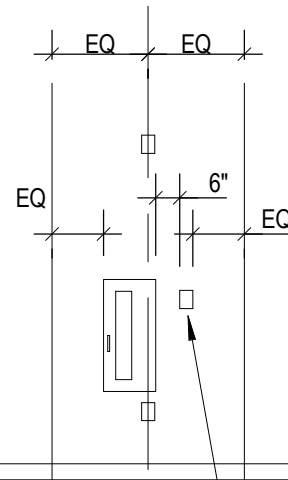
TYPICAL RULES FOR MOUNTING HEIGHTS & LOCATION RULES

BUS RAPID TRANSIT  
 CITY OF MADISON



WHEN NOT DIMENSIONED AND SHOWN LOCATED ON A COLUMN OR PILASTER, AND WHEN NO OTHER TYPICAL CONFIGURATION DIAGRAM APPLIES: HORIZONTALLY CENTER GROUP OF DISSIMILAR ITEMS HAVING CONFLICTING MOUNTING HEIGHT(S) ABOUT THE CENTERLINE OF THE COLUMN OR PILASTER.

WHEN APPLICABLE, COMBINE THIS RULE WITH RULE 6 AND/OR RULE 7 TO SYMMETRICALLY ARRANGE GROUPS OF ITEMS HAVING DIFFERING, SIMILAR, AND CONFLICTING MOUNTING HEIGHTS.



ARRANGE ITEMS AT CONFLICTING HEIGHTS SYMMETRICALLY ABOUT CENTERLINE

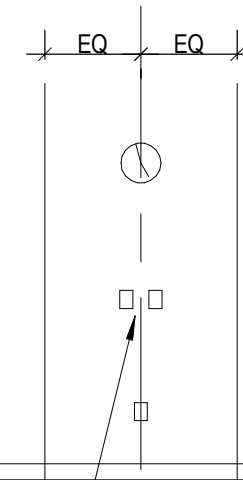
## RULE 8

NOT DIMENSIONED AND LOCATED ON COLUMN OR PILASTER

GRID

WHEN NOT DIMENSIONED AND SHOWN LOCATED ON A COLUMN OR PILASTER, AND WHEN NO OTHER TYPICAL CONFIGURATION DIAGRAM APPLIES: HORIZONTALLY CENTER GROUP OF SIMILAR ITEMS HAVING THE SAME MOUNTING HEIGHT(S) ABOUT THE CENTERLINE OF THE COLUMN OR PILASTER.

WHEN APPLICABLE, COMBINE THIS RULE WITH RULE 6 TO SYMMETRICALLY ARRANGE GROUPS OF ITEMS HAVING BOTH DIFFERING AND SIMILAR MOUNTING HEIGHTS.



ARRANGE ITEMS AT SAME HEIGHT SYMMETRICALLY ABOUT CENTERLINE

## RULE 7

NOT DIMENSIONED AND LOCATED ON COLUMN OR PILASTER

TYPICAL RULES FOR MOUNTING HEIGHTS & LOCATION RULES  
 60631225P  
 CITY OF MADISON, DANE COUNTY, WI  
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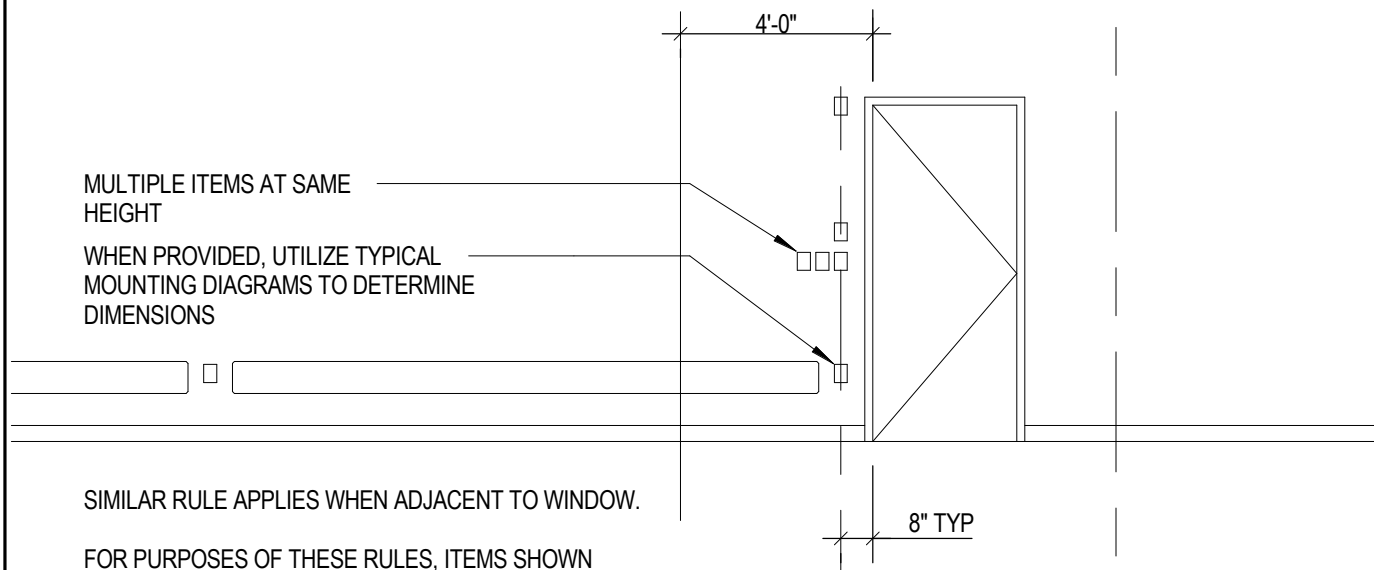


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WHEN NOT DIMENSIONED AND SHOWN LOCATED ADJACENT TO DOOR, AND WHEN NO OTHER TYPICAL CONFIGURATION DIAGRAM APPLIES: MOUNT ITEMS IN RELATION TO FRAME USING TYPICAL OFFSET DIMENSION. VERTICALLY ALIGN CENTERS OF ITEMS MOUNTED AT DIFFERENT HEIGHTS.

WHEN MULTIPLE ITEMS HAVING THE SAME TYPICAL MOUNTING HEIGHT ARE INDICATED, MOUNT FIRST ITEM IN RELATION TO FRAME USING TYPICAL OFFSET DIMENSION AND PLACE REMAINING ITEMS ADJACENT TO FIRST ON SIDE OPPOSITE FRAME AS ILLUSTRATED BY THIS DIAGRAM.



MULTIPLE ITEMS AT SAME HEIGHT  
WHEN PROVIDED, UTILIZE TYPICAL MOUNTING DIAGRAMS TO DETERMINE DIMENSIONS

SIMILAR RULE APPLIES WHEN ADJACENT TO WINDOW.

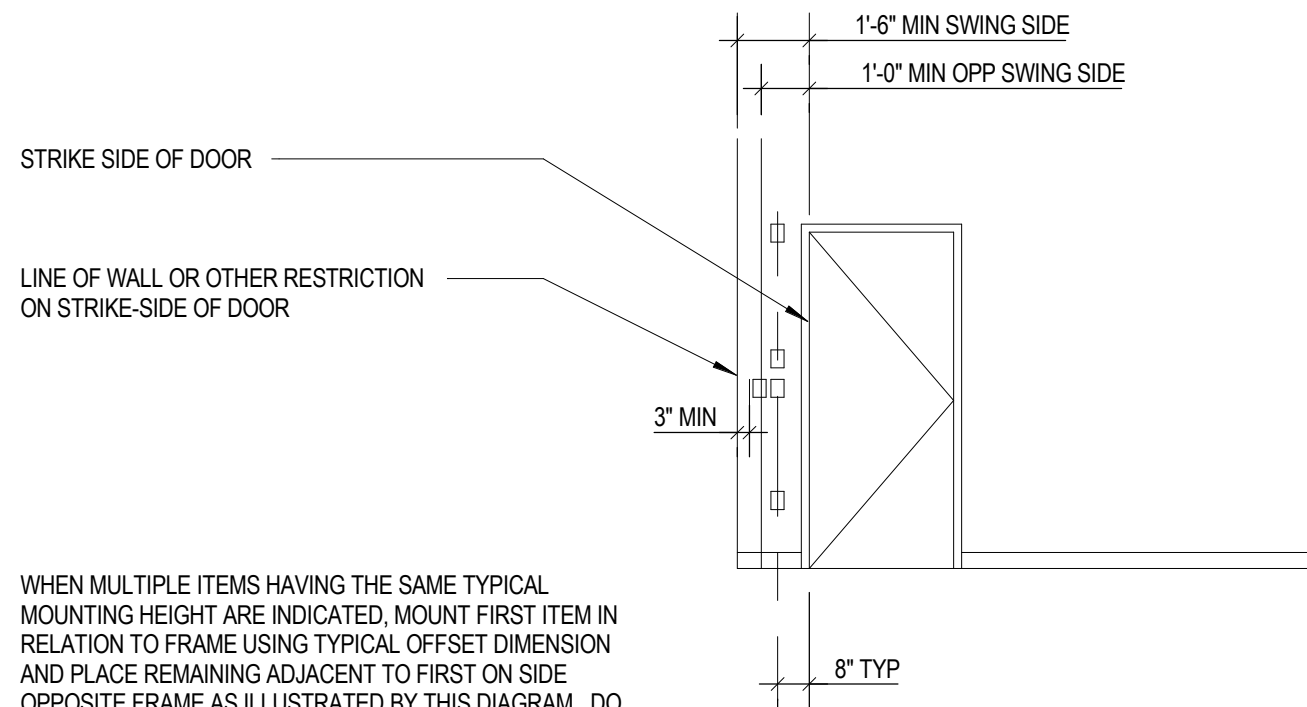
FOR PURPOSES OF THESE RULES, ITEMS SHOWN LOCATED APPROXIMATELY WITHIN 4 FEET OF DOOR ARE CONSIDERED TO BE ADJACENT TO DOOR (OR WINDOW).

WHERE MULTIPLE DISSIMILAR ITEMS HAVING CONFLICTING MOUNTING HEIGHTS OCCUR, RULE 13 ALSO APPLIES.

## RULE 10

NOT DIMENSIONED AND LOCATED ADJACENT TO DOOR OR WINDOW

WHEN NOT DIMENSIONED AND SHOWN LOCATED ADJACENT TO STRIKE SIDE OF DOOR, AND WHEN STRIKE-SIDE CLEARANCE IS BETWEEN 12 INCHES AND 18 INCHES, AND WHEN NO OTHER TYPICAL CONFIGURATION DIAGRAM APPLIES: MOUNT ITEMS IN RELATION TO FRAME USING TYPICAL OFFSET DIMENSION. VERTICALLY ALIGN CENTERS OF ITEMS MOUNTED AT DIFFERENT HEIGHTS.



WHEN MULTIPLE ITEMS HAVING THE SAME TYPICAL MOUNTING HEIGHT ARE INDICATED, MOUNT FIRST ITEM IN RELATION TO FRAME USING TYPICAL OFFSET DIMENSION AND PLACE REMAINING ADJACENT TO FIRST ON SIDE OPPOSITE FRAME AS ILLUSTRATED BY THIS DIAGRAM. DO NOT CROWD MULTIPLE ITEMS AGAINST WALL OR RESTRICTION.

## RULE 9

NOT DIMENSIONED AND LOCATED ADJACENT TO MINIMUM STRIKE-SIDE OF DOOR

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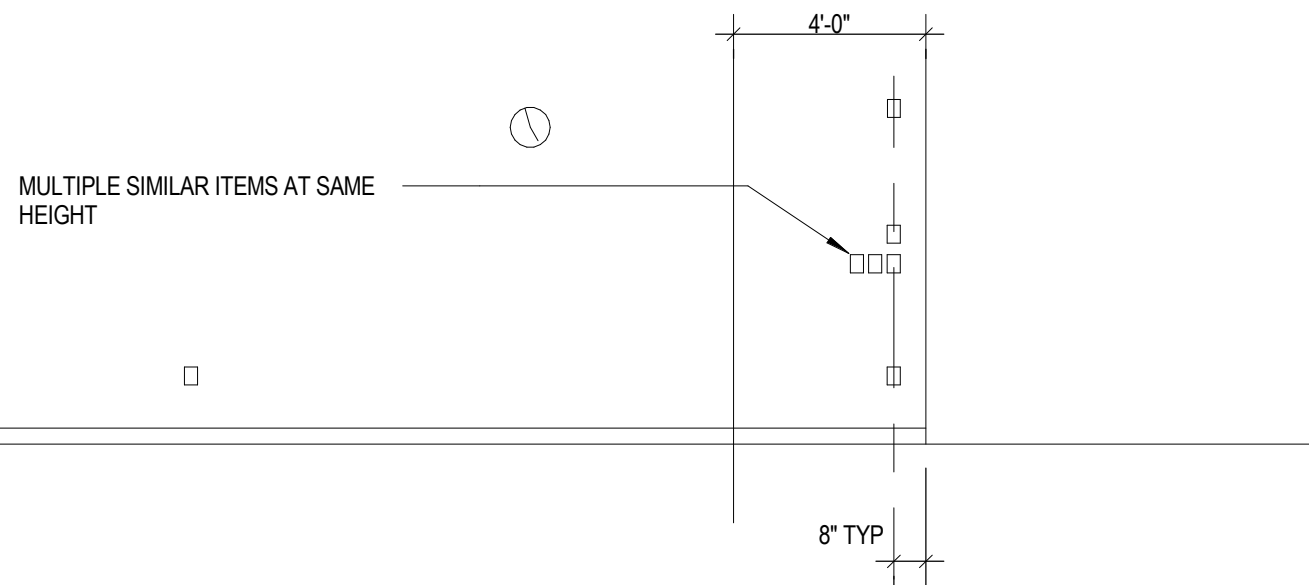
60631225P  
CITY OF MADISON, DANE COUNTY, WI  
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TYPICAL RULES FOR MOUNTING HEIGHTS & LOCATION RULES  
BUS RAPID TRANSIT  
CITY OF MADISON



WHEN NOT DIMENSIONED AND SHOWN LOCATED ADJACENT TO CHANGE IN PLANE OF WALL, AND WHEN NO OTHER TYPICAL CONFIGURATION DIAGRAM APPLIES: MOUNT ITEMS IN RELATION TO PLANE CHANGE USING TYPICAL OFFSET DIMENSION. VERTICALLY ALIGN CENTERS OF ITEMS MOUNTED AT DIFFERENT HEIGHTS.

WHEN MULTIPLE SIMILAR ITEMS HAVING THE SAME TYPICAL MOUNTING HEIGHT ARE INDICATED, MOUNT FIRST ITEM IN RELATION TO PLANE CHANGE USING TYPICAL OFFSET DIMENSION AND PLACE REMAINING ITEMS ADJACENT TO FIRST ON SIDE OPPOSITE PLANE CHANGE AS ILLUSTRATED BY THIS DIAGRAM.



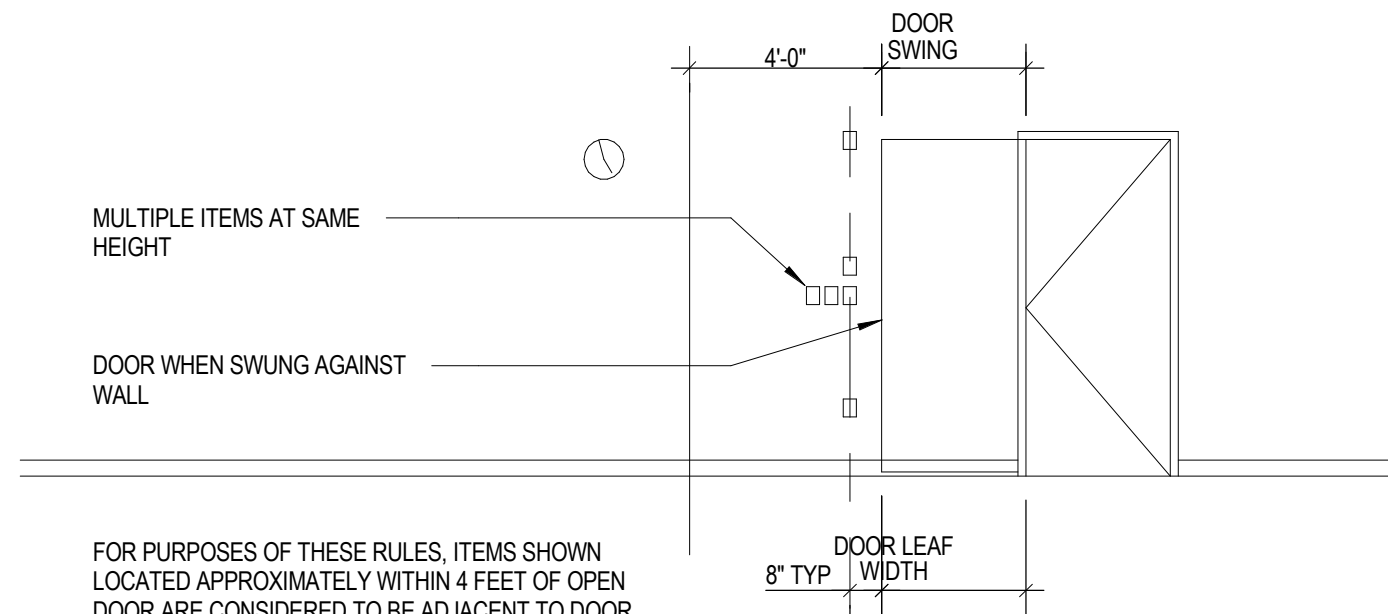
FOR PURPOSES OF THESE RULES, ITEMS SHOWN LOCATED APPROXIMATELY WITHIN 4 FEET OF PLANE CHANGE ARE CONSIDERED TO BE ADJACENT TO CHANGE IN PLANE.

## RULE 12

WHEN NOT DIMENSIONED AND LOCATED ADJACENT TO CHANGE IN WALL DIRECTION

WHEN NOT DIMENSIONED AND SHOWN LOCATED ADJACENT TO DOOR, AND WHEN NO OTHER TYPICAL CONFIGURATION DIAGRAM APPLIES: MOUNT ITEMS IN RELATION TO SWING USING TYP OFFSET DIMENSION. VERTICALLY ALIGN CENTERS OF ITEMS MOUNTED AT DIFFERENT HEIGHTS.

WHEN MULTIPLE ITEMS HAVING THE SAME TYPICAL MOUNTING HEIGHT ARE INDICATED, MOUNT FIRST ITEM IN RELATION TO SWING USING TYPICAL OFFSET DIMENSION AND PLACE REMAINING ITEMS ADJACENT TO FIRST ON SIDE OPPOSITE FRAME AS ILLUSTRATED BY THIS DIAGRAM.



FOR PURPOSES OF THESE RULES, ITEMS SHOWN LOCATED APPROXIMATELY WITHIN 4 FEET OF OPEN DOOR ARE CONSIDERED TO BE ADJACENT TO DOOR.

WHERE MULTIPLE DISSIMILAR ITEMS HAVING CONFLICTING MOUNTING HEIGHTS OCCUR, RULE 13 ALSO APPLIES.

## RULE 11

NOT DIMENSIONED AND LOCATED ADJACENT TO DOOR AND ON WALL AGAINST WHICH DOOR SWINGS

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 BUS RAPID TRANSIT  
 CITY OF MADISON

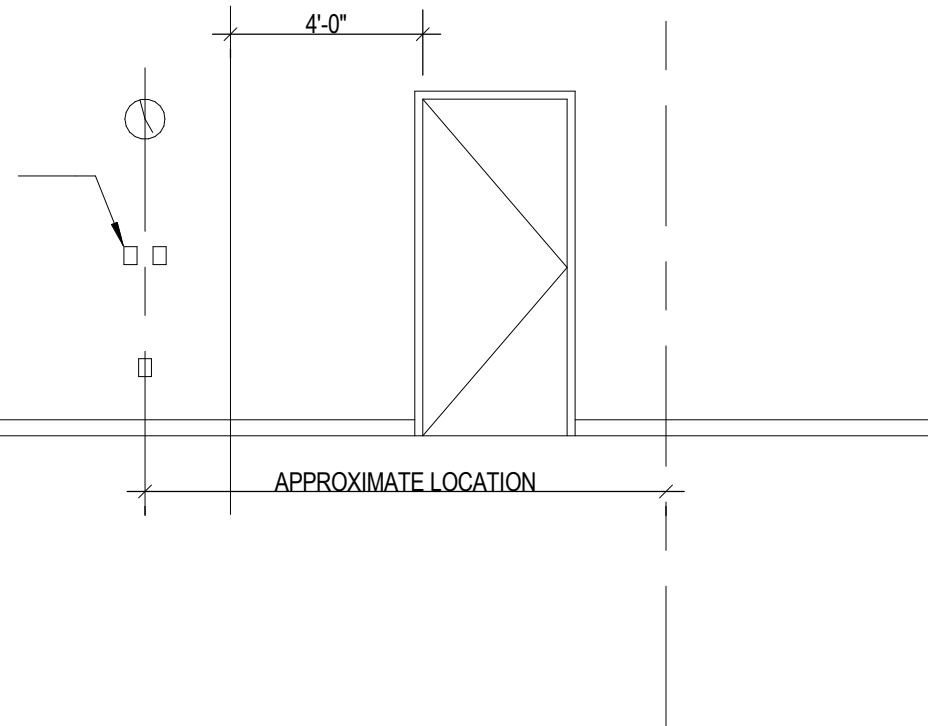




WHEN NOT DIMENSIONED AND SHOWN ON A WALL NOT ADJACENT TO DOORS, WINDOWS, OR CHANGES IN WALL PLANE, AND WHEN NO OTHER TYPICAL CONFIGURATION DIAGRAM APPLIES: LOCATE AT APPROXIMATE HORIZONTAL POSITION SHOWN ON PLANS OR ELEVATIONS. GROUP ITEMS HAVING DIFFERENT MOUNTING HEIGHTS INTO SINGLE, SYMMETRICAL ARRANGEMENT BY VERTICALLY ALIGNING CENTERS OF ITEMS. MAINTAIN MINIMUM 36" HORIZONTAL SEPARATION BETWEEN ITEMS OR GROUPS OF ITEMS WHICH CANNOT BE ALIGNED VERTICALLY (SEE RULE 15). WHEN APPLICABLE, SYMMETRICALLY ARRANGE GROUPS OF SIMILAR ITEMS HAVING THE SAME MOUNTING HEIGHT AROUND THE VERTICAL AXIS ESTABLISHED.

GRID

ARRANGE SIMILAR ITEMS AT SAME HEIGHT SYMMETRICALLY ABOUT CENTERLINE

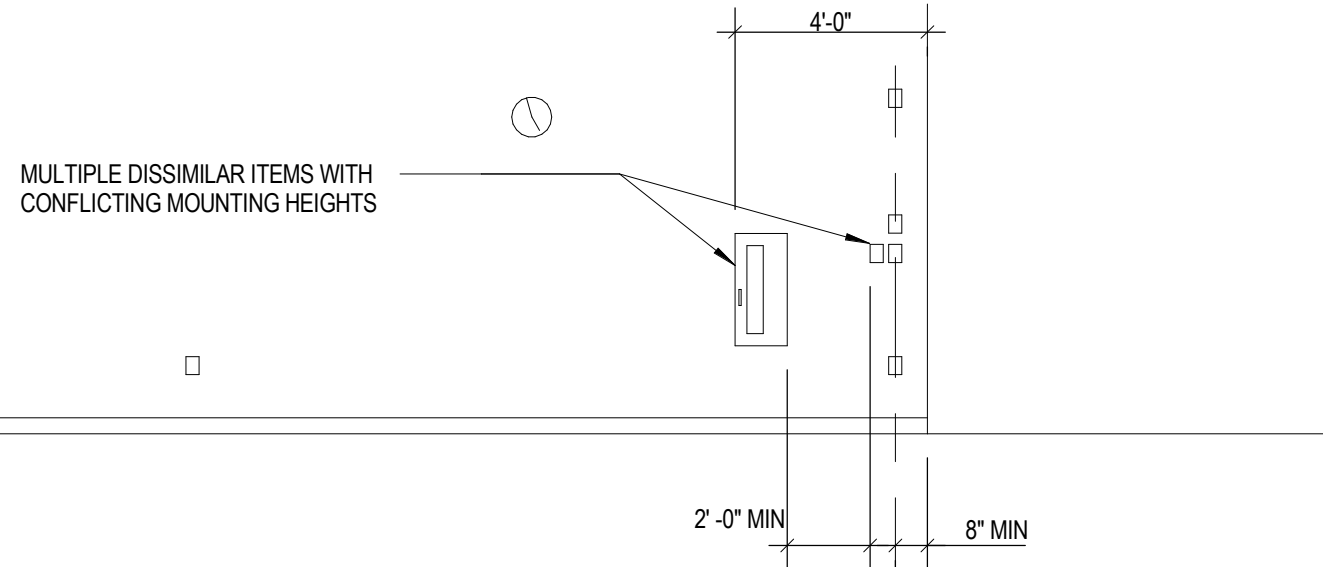


## RULE 14

NOT DIMENSIONED AND LOCATED ON OPEN WALL

WHEN NOT DIMENSIONED AND SHOWN LOCATED ADJACENT TO CHANGE IN PLANE OF WALL, AND WHEN NO OTHER TYPICAL CONFIGURATION DIAGRAM APPLIES: MOUNT ITEMS IN RELATION TO PLANE CHANGE USING TYPICAL OFFSET DIMENSION. VERTICALLY ALIGN CENTERS OF ITEMS MOUNTED AT DIFFERENT HEIGHTS.

WHEN MULTIPLE DISSIMILAR ITEMS HAVING CONFLICTING MOUNTING HEIGHTS ARE INDICATED, MOUNT FIRST ITEM IN RELATION TO PLANE CHANGE USING TYPICAL OFFSET DIMENSION. SEPARATE DISSIMILAR ITEM FROM GROUP OF SIMILAR ITEMS BY 24" MINIMUM AS ILLUSTRATED BY THIS DIAGRAM.



MULTIPLE DISSIMILAR ITEMS WITH CONFLICTING MOUNTING HEIGHTS

## RULE 13

WHEN NOT DIMENSIONED AND LOCATED ADJACENT TO CHANGE IN WALL DIRECTION

60631225P

CITY OF MADISON, DANE COUNTY, WI

TYPICAL RULES FOR MOUNTING HEIGHTS & LOCATION RULES

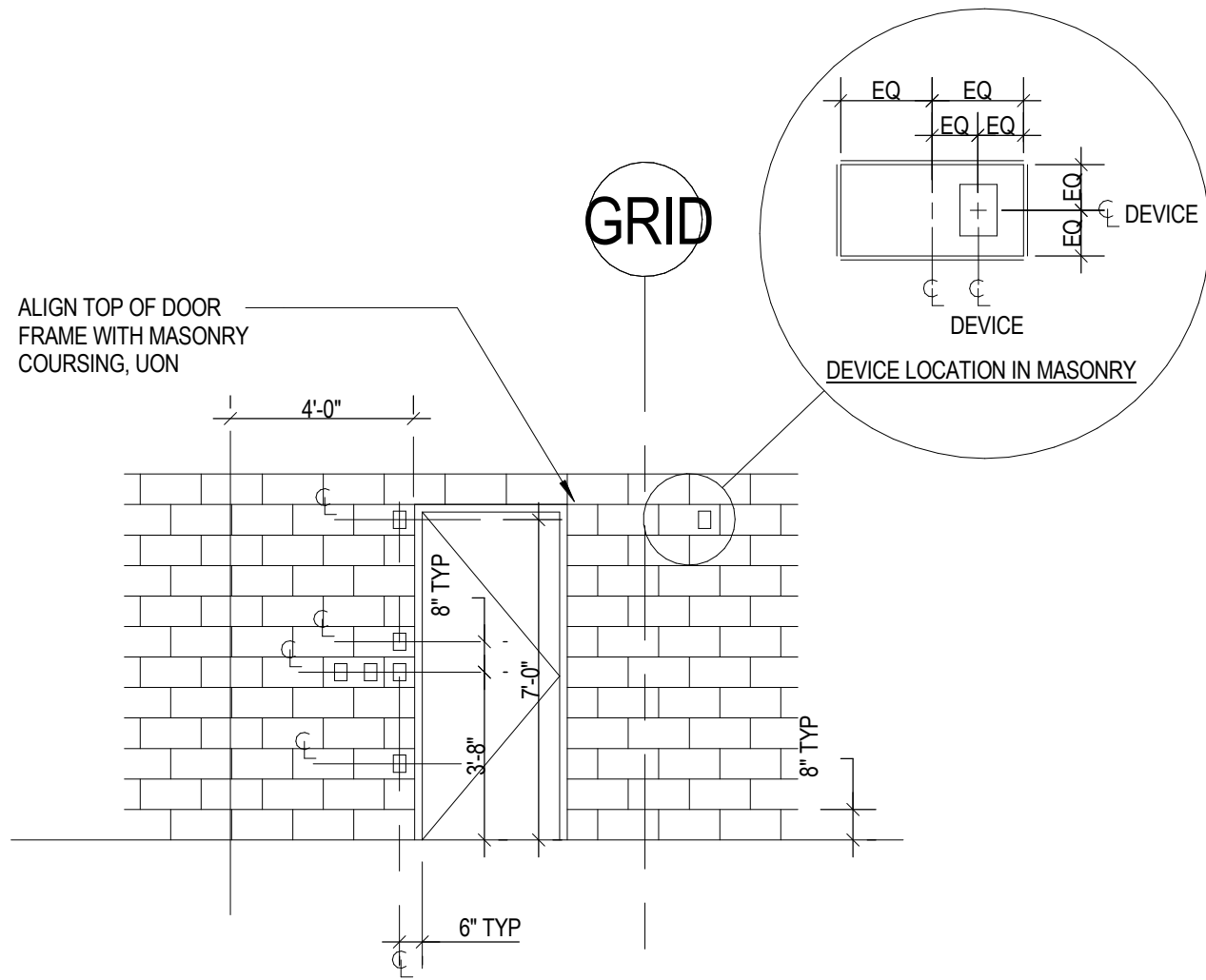
BUS RAPID TRANSIT  
CITY OF MADISON

CONTRACT NO: 60631225C

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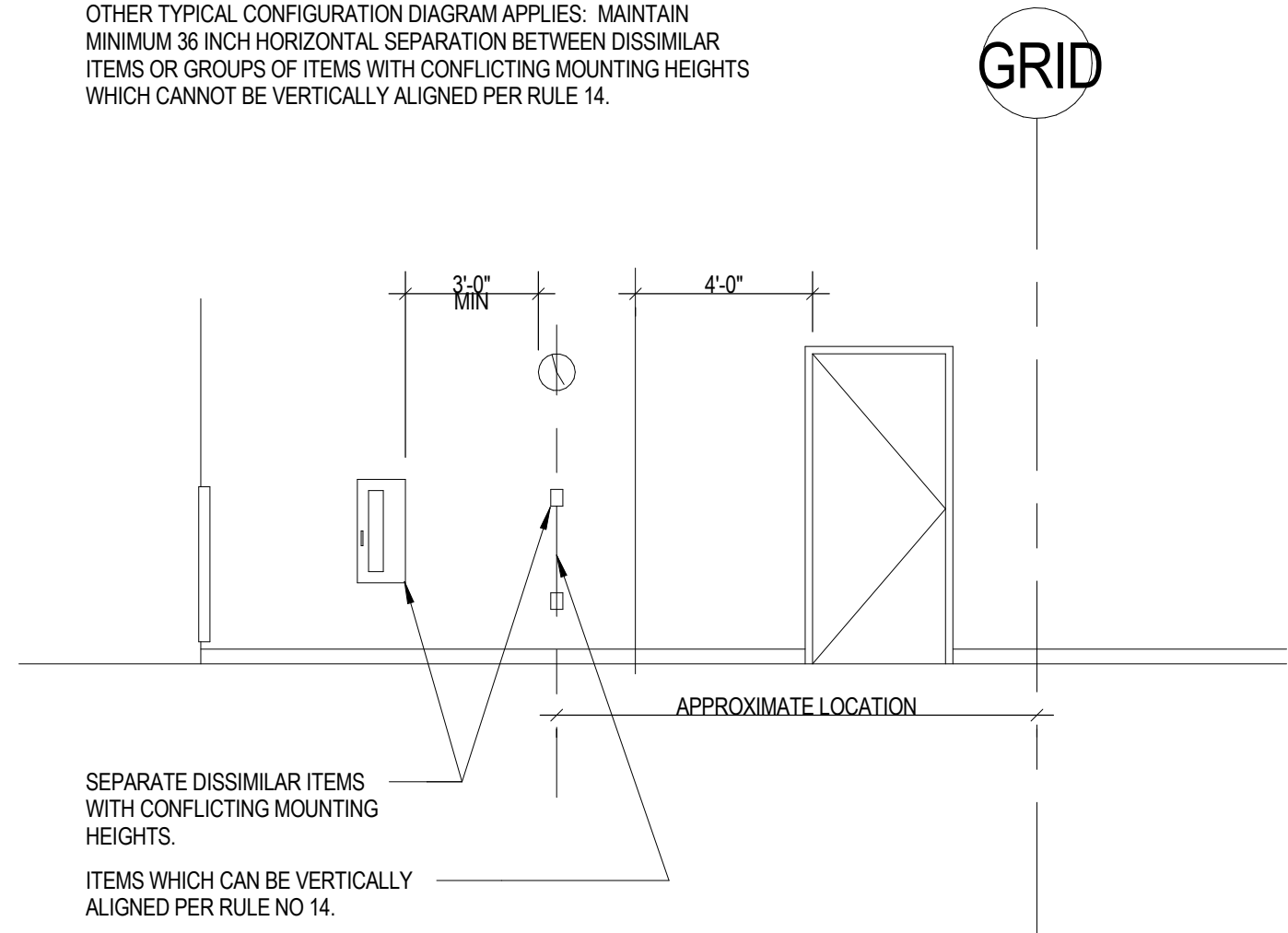


NOTE:  
REFER TO RULE 10 FOR TYPICAL NOTES.

## RULE 16

NOT DIMENSIONED AND LOCATED ADJACENT TO DOOR OR WINDOW IN MASONRY

WHEN NOT DIMENSIONED AND SHOWN ON A WALL NOT ADJACENT TO DOORS, WINDOWS, OR CHANGES IN WALL PLANE, AND WHEN NO OTHER TYPICAL CONFIGURATION DIAGRAM APPLIES: MAINTAIN MINIMUM 36 INCH HORIZONTAL SEPARATION BETWEEN DISSIMILAR ITEMS OR GROUPS OF ITEMS WITH CONFLICTING MOUNTING HEIGHTS WHICH CANNOT BE VERTICALLY ALIGNED PER RULE 14.



SEPARATE DISSIMILAR ITEMS WITH CONFLICTING MOUNTING HEIGHTS.  
ITEMS WHICH CAN BE VERTICALLY ALIGNED PER RULE NO 14.

## RULE 15

NOT DIMENSIONED AND LOCATED ON OPEN WALL

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60631225P  
CITY OF MADISON, DANE COUNTY, WI  
CONTRACT NO: 60631225C  
TYPICAL RULES FOR MOUNTING HEIGHTS & LOCATION RULES  
BUS RAPID TRANSIT  
CITY OF MADISON



| FINISH MATERIALS LEGEND |                                |
|-------------------------|--------------------------------|
| ACP                     | ACOUSTICAL CEILING PANEL       |
| ACT                     | ACOUSTICAL CEILING TILE        |
| AF                      | ACCESS FLOORING                |
| AFA                     | ANODIZED FINISHED ALUMINUM     |
| AMC                     | ACOUSTICAL METAL PAN CEILING   |
| AMF                     | ARCHITECTURAL METAL FINISH     |
| APC                     | ARCHITECTURAL PRECAST CONCRETE |
| APF                     | ACCORDIAN PANEL FINISH         |
| AWP                     | ACOUSTICAL WALL PANEL          |
| BG                      | BUMPER GUARD                   |
| CC                      | CUBICLE CURTAINS               |
| CG                      | CORNER GUARD                   |
| CHR                     | CHAIR RAIL                     |
| CMA                     | CERAMIC ACCESSORY TILE         |
| CMB                     | CERAMIC BASE TILE              |
| CMT                     | CERAMIC FIELD TILE             |
| CMU                     | CONCRETE MASONRY UNIT          |
| CPT                     | CARPET                         |
| CR                      | CRASH RAIL                     |
| DF                      | DECORATIVE FILM                |
| DG                      | DECORATIVE GLAZING             |
| EC                      | EXPOSED CONSTRUCTION           |
| EFG                     | ENTRANCE FLOOR GRILLES         |
| EST                     | ENGINEERED STONE               |
| EX                      | EXISTING                       |
| FG                      | FOOT GRILL                     |
| FM                      | FLOOR MAT                      |
| FRP                     | FIBERGLASS REINFORCED PANEL    |
| FWC                     | FABRIC WALL COVERING           |
| FWP                     | FABRIC WRAPPED PANEL           |
| GF                      | GLASS FILM                     |
| GMU                     | GLASS MASONRY UNIT             |
| GVP                     | GYPSUM VENEER PLASTER          |
| GYP                     | GYPSUM WALL BOARD              |
| HB                      | HORIZONTAL BLIND               |
| HGL                     | HANDRAIL GLASS                 |
| HR                      | HAND RAIL                      |
| IGL                     | INTERIOR GLAZING               |
| INT                     | INTEGRAL BASE                  |
| MCP                     | METAL CEILING PANEL            |
| ME                      | MATCH EXISTING                 |
| ML                      | METAL LAMINATE                 |
| MMV                     | MANUFACTURER MASONRY VENEER    |
| NA                      | NOT APPLICABLE                 |

| FINISH MATERIALS LEGEND |                               |
|-------------------------|-------------------------------|
| NFB                     | INTERIOR FACE BRICK           |
| NPM                     | INTERIOR PAINTED METAL        |
| NSF                     | STONE FLOORING                |
| NSV                     | STONE VENEER                  |
| OPF                     | OPERABLE PANEL FINISH         |
| PJS                     | PROJECTION SCREENS            |
| PL                      | PLASTIC LAMINATE              |
| PLD                     | PLASTIC LAMINATE DOOR         |
| PT                      | INTERIOR PAINT                |
| RB                      | RESILIENT BASE                |
| RS                      | ROLLER SHADE                  |
| RSF                     | RESILIENT SHEET FLOORING      |
| RTF                     | RESILIENT TILE FLOORING       |
| SC                      | SEALED CONCRETE               |
| SCT                     | STONE COUNTERTOP              |
| SDG                     | SUSPENDED DECORATIVE GRID     |
| SFW                     | STRETCHED FABRIC WALL SYSTEMS |
| SMC                     | SNAP-IN METAL PAN CEILINGS    |
| SMU                     | CALCIUM SILICATE MASONRY UNIT |
| SS                      | STAINLESS STEEL               |
| SSM                     | SOLID SURFACING FABRICATIONS  |
| ST                      | STONE                         |
| STB                     | STONE BASE TILE               |
| STT                     | STONE FIELD TILE              |
| SWP                     | SHEET WALL PROTECTION         |
| TER                     | TERRAZZO                      |
| TIC                     | TEXTURED INTERIOR COATING     |
| VB                      | VERTICAL BLIND                |
| VDS                     | VISUAL DISPLAY SURFACES       |
| VLB                     | VERTICAL LOUVER BLINDS        |
| WCP                     | WOOD CEILING PANEL            |
| WD                      | WOODWORK                      |
| WF                      | WOOD FLOORING                 |
| WSS                     | WOOD SOLID STOCK              |
| WVD                     | WOOD VENEERED DOOR            |
| WVP                     | WOOD VENEERED PANEL           |
| XCT                     | EXTERIOR COATING              |
| XFB                     | EXTERIOR FACE BRICK           |
| XGL                     | EXTERIOR GLAZING              |
| XPM                     | EXTERIOR COATED METAL         |
| XSV                     | EXTERIOR STONE VENEER         |

60631225P

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

FINISH MATERIAL ABBREVIATIONS

BUS RAPID TRANSIT

CITY OF MADISON



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Date: 2022-03-08

**ABBREVIATIONS**

Table of abbreviations including AIR, AIR COMPRESSOR, ABOVE FINISHED FLOOR, BACK DRAFT DAMPER, etc.

**PIPE SYMBOLS**

Table of pipe symbols for various fluids like ABOVE GRADE COLD WATER, DEIONIZED WATER, etc.

**PIPE SYMBOLS (CONT.)**

Continuation of pipe symbols for BOILER BLOW DOWN, CONDENSATE PUMP DISCHARGE, etc.

**PIPE SPECIALTIES (GENERAL)**

General pipe specialties symbols for ELBOW, TEE, UNION, etc.

**PIPE SPECIALTIES (PLUMBING)**

Plumbing pipe specialties symbols for FIRE HYDRANT, FLOOR DRAIN, etc.

**TEMPERATURE CONTROL SYMBOLS**

Temperature control symbols for THERMOSTAT, HUMIDISTAT, SMOKE DETECTOR, etc.

**PIPE SPECIALTIES (HVAC)**

HVAC pipe specialties symbols for GUIDE, ANCHOR, FLOW MEASURING DEVICE, etc.

**VALVE SYMBOLS**

Valve symbols for WATER MAIN VALVE, WALL HYDRANT, HOSE BIBB, etc.

**DUCTWORK SYMBOLS**

Ductwork symbols for POSITIVE PRESSURE AIR DUCT RISE, FLEXIBLE CONNECTION, SMOKE DAMPER, etc.

NOTE: 1. THIS LIST OF ABBREVIATIONS SHOWN IS A STANDARD LIST. NOT ALL ABBREVIATIONS AND SYMBOLS ARE USED IN THESE CONTRACT DRAWINGS.

Vertical sidebar containing project information: 60631225P, CITY OF MADISON, DANE COUNTY, WI, CONTRACT NO: 60631225C, and the City of Madison logo.

# ELECTRICAL SYMBOL LEGENDS

| <b>POWER</b> |   |
|--------------|---|
|              | MOTOR   |
|              | NON-FUSED DISCONNECT  |
|              | FUSED DISCONNECT  |
|              | COMBINATION MAGNETIC STARTER  |
|              | MANUAL MOTOR STARTER  |
|              | JUNCTION BOX  |
|              | TRANSFORMER JUNCTION BOX  |
|              | PUSHBUTTON/CONTROL STATION  |
|              | ELECTRIC DOOR OPERATOR PUSHBUTTON   |
|              | TELEPHONE OUTLET  |
|              | DATA OUTLET   |
|              | COMBINATION, TELEPHONE/DATA OUTLET  |
|              | COMBINATION, TELEPHONE/DATA OUTLET CEILING MOUNT  |
|              | COMBINATION, TELEPHONE/DATA OUTLET FLOOR MOUNT  |
|              | AUTOMATIC AUDIBLE DOOR BELL   |
|              | CABLE \ TELEVISION OUTLET   |
|              | CABLE \ TELEVISION OUTLET, CEILING MOUNT  |
|              | FLAT PANEL DISPLAY  |
|              | FLAT PANEL DISPLAY, CEILING MOUNT   |
|              | CABLE TRAY  |
|              | FLOAT SWITCH  |
|              | 120V, 20A, DUPLEX RECEPTACLE<br>DG - DETENTION GRADE<br>EWC - ELECTRIC WATER COOLER WITH GFI RECEPTACLE<br>EXP - EXPLOSION PROOF<br>GF - GROUND FAULT PROTECTION<br>GFI - GROUND FAULT INTERRUPTER<br>IG - ISOLATED GROUND<br>R - RACK MOUNTED<br>TR - TAMPER RESISTANT<br>TW - TWIST LOCK<br>U - UPS POWER<br>WP - WEATHERPROOF<br>+XX" - XX INCHES ABOVE FINISHED FLOOR |

| <b>POWER</b> |   |
|--------------|---|
|              | 120V, 20A, DOUBLE DUPLEX RECEPTACLE<br>AFCI - ARC FAULT CIRCUIT INTERRUPTER<br>EXP - EXPLOSION PROOF<br>GF - GROUND FAULT PROTECTION<br>GFI - GROUND FAULT INTERRUPTER<br>IG - ISOLATED GROUND<br>R - RACK MOUNTED<br>TR - TAMPER RESISTANT<br>TW - TWIST LOCK<br>U - UPS POWER<br>WP - WEATHERPROOF<br>+XX" - XX INCHES ABOVE FINISHED FLOOR |
|              | 120V, 20A, SINGLE RECEPTACLE  |
|              | 120V, 20A, DUAL CONTROLLED DUPLEX RECEPTACLE<br>CONTROLLED RECEPTACLES SHALL BE CONTROLLED BY THE LIGHTING CONTROL SYSTEM AND TURN OFF AFTER THE SPACE HAS BEEN UNOCCUPIED FOR 20 MINUTES.  |
|              | 120V, 20A, DOUBLE DUPLEX RECEPTACLE WITH ONE DUAL-CONTROLLED DUPLEX RECEPTACLE AND ONE UNCONTROLLED DUPLEX RECEPTACLE<br>CONTROLLED RECEPTACLES SHALL BE CONTROLLED BY THE LIGHTING CONTROL SYSTEM AND TURN OFF AFTER THE SPACE HAS BEEN UNOCCUPIED FOR 20 MINUTES.   |
|              | WALL FEED FOR POWER AND COMMUNICATIONS TO SYSTEM FURNITURE  |
|              | SPECIAL CONNECTION<br>AFV - AUTOMATIC FLUSH VALVE   |
|              | RACEWAY COMPUTER RECEPTACLE   |
|              | RECEPTACLE IN 3 COMPARTMENTS RACEWAYS   |
|              | POWER POLE, "XX" INDICATES PANELBOARD AND CIRCUIT NUMBER  |
|              | COMBINATION, POWER/TELEPHONE/DATA OUTLET FLOOR BOX MOUNT. XX INDICATES TYPE. REFER TO FLOOR BOX DETAILS ON SHEET E-003.   |
|              | POWER OUTLET FLOOR BOX MOUNT. XX INDICATES TYPE. REFER TO FLOOR BOX DETAILS ON SHEET E-003.   |

## GROUNDING AND LIGHTNING PROTECTION

|  |                           |
|--|---------------------------|
|  | GROUND ROD, 10 ft, COPPER |
|  | AIR TERMINAL              |
|  | DOWNLEAD CONDUCTOR        |
|  | GROUND TEST WELL          |

| <b>LIGHTING</b> |  |
|-----------------|--|
|                 | TROFFER LUMINAIRE, TYPE Fx, FED FROM PANEL LPA, CIRCUIT 24   |
|                 | SURFACE LINEAR LUMINAIRE, TYPE Fx  |
|                 | WALL MOUNTED LUMINAIRE, TYPE Fx  |
|                 | CHAIN HUNG STRIP LUMINAIRE, TYPE Fx  |
|                 | DOWNLIGHT LUMINAIRE, TYPE Fx   |
|                 | SUSPENDED DIRECT/INDIRECT LUMINAIRE, TYPE Fx   |
|                 | LUMINAIRE ON EMERGENCY POWER, TYPE Fx  |
|                 | CEILING MOUNTED LUMINAIRE, TYPE Fx   |
|                 | WALL MOUNTED LUMINAIRE, TYPE Fx  |
|                 | PHOTOCELL, EXTERIOR WALL MOUNTED   |
|                 | 277V, 15A, LIGHT SWITCH<br>3w = 3 WAY SWITCH<br>D = DIMMER SWITCH<br>MB = MOTORIZED BLINDS SWITCH<br>F = FAN SWITCH<br>FS = FUSED SWITCH<br>K = KEY SWITCH<br>LV = LOW VOLTAGE SWITCH<br>OS = WALL-BOX OCCUPANCY SENSOR<br>PS = PROJECTION SCREEN SWITCH<br>T = TIMER SWITCH |
|                 | CEILING MOUNTED OCCUPANCY SENSOR WITH POWER PACK   |
|                 | CEILING MOUNTED OCCUPANCY SENSOR AND PHOTOCELL WITH DIMMING POWER PACK   |
|                 | EXIT SIGN, SINGLE FACE, WALL MOUNTED, C/W DIRECTIONAL ARROWS   |
|                 | EXIT SIGN, SINGLE FACE, CEILING MOUNTED, C/W DIRECTIONAL ARROWS  |
|                 | EXIT SIGN, DUAL FACE, CEILING OR WALL MOUNTED, C/W DIRECTIONAL ARROWS  |

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| 60631225P<br>CITY OF MADISON, DANE COUNTY, WI<br>CONTRACT NO: 60631225C |                  |            |
| ELECTRICAL LEGENDS<br>BUS RAPID TRANSIT<br>CITY OF MADISON              |                  |            |
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# ELECTRICAL SYMBOL LEGENDS

**POWER GENERAL NOTES:**

- A. REFER TO CIVIL, ARCHITECTURAL, PLUMBING, AND MECHANICAL PLANS FOR WORK AFFECTING DIV. 26.
- B. REFER TO ARCHITECTURAL DRAWING ELEVATION DETAILS FOR ADDITIONAL WITH ELECTRICAL AND LIGHTING DEVICE LOCATIONS.
- C. DO NOT PLACE ANY CONDUITS IN NEW RAISED FLOOR SLABS UNO. DO NOT CROSS CONDUITS IN SLAB ON GRADE FLOORS.
- D. LOCATE AND INSTALL ALL SHIPPED LOOSE MOTOR STARTERS. REFER TO "MEP" DRAWINGS FOR SPECIFIC EQUIPMENT.
- E. PROVIDE ALL RACEWAYS, BOXES, SLEEVES, ETC. AS REQUIRED FOR A COMPLETE EMPTY RACEWAY SYSTEM FOR FUTURE EQUIPMENT AND SYSTEMS AS SHOWN ON THE PLANS. REFER TO "PS&E PLAN SET 3" FOR ADDITIONAL REQUIREMENTS.
- F. COORDINATE ALL SITE WORK WITH CIVIL UNDERGROUND UTILITIES.
- G. PROVIDE SELF-DRILLING CONCRETE ANCHORS OR SLEEVE ANCHORS FOR ALL SUPPORT APPLICATIONS IN CONCRETE.
- H. ROUTE ALL CONDUITS IN ROOMS WITH EXPOSED CEILINGS TIGHT TO DECK.
- I. REFER TO STRUCTURAL DRAWINGS FOR DETAILS AND REQUIREMENTS FOR MAKING CONDUIT PENETRATIONS THROUGH FLOORS, WALLS, AND FOUNDATION. COORDINATE PLACEMENT OF CONDUIT AND SLEEVES THROUGH FOUNDATION WALL WITH STRUCTURAL CONTRACTOR. SEAL PENETRATIONS PER DIV. 26 SPECIFICATIONS.

**LIGHTING GENERAL NOTES:**

- A. REFER TO ARCHITECTURAL, PLUMBING, AND MECHANICAL PLANS FOR WORK AFFECTING DIV. 26.
- B. ALL EXIT SIGN LIGHTS TO BE CIRCUITED TO THE NEAREST CIRCUIT AND CONNECTED AHEAD OF ANY LOCAL SWITCHING CONTROLS, UNO.
- C. REFER TO ARCHITECTURAL ELEVATIONS FOR COORDINATION OF BUILDING MOUNTED LIGHT FIXTURES.
- D. LOCATE AND INSTALL OCCUPANCY SENSORS PER MANUFACTURER RECOMMENDATIONS TO ENSURE COMPLETE AREA COVERAGE, CIRCUIT LOADING, AND AVOIDANCE OF NUISANCE OPERATIONS.
- E. DO NOT ATTACH ANY FIXTURE, EQUIPMENT, OR SUPPORT FOR THE SAME DIRECTLY TO METAL ROOF DECK.

**POWER KEYED NOTES:**

- E1 LOCATE SIMPLEX RECEPTACLE OR HARDWIRED CONNECTION AS REQUIRED TO ELECTRONIC SENSOR FAUCET TRANSFORMER BENEATH SINK. COORDINATE EXACT REQUIREMENTS WITH PLUMBING CONTRACTOR. PROVIDE A 15A, 120V GFI CIRCUIT AND LABEL CONNECTION AS "GFI PROTECTED".
- E2 PROVIDE HARDWIRED CONNECTION TO TOILET ELECTRONIC FLUSH VALVE TRANSFORMER MOUNTED WITHIN WALL CAVITY. COORDINATE EXACT REQUIREMENTS WITH PLUMBING CONTRACTOR. PROVIDE A 15A, 120V GFI CIRCUIT AND LABEL CONNECTION AS "GFI PROTECTED".
- E3 PROVIDE 15A, 120V GFI CIRCUIT FOR HARDWIRED CONNECTION TO HAND DRYERS. COORDINATE EXACT REQUIREMENTS PRIOR TO CONNECTION.
- E4 CHARGER POWER CABINETS REQUIRE A MINIMUM FREE SPACE AROUND THEM FOR PROPER VENTILATION. PROVIDE NO LESS THAN 4" OF FREE SPACE BEHIND POWER CABINETS AND 6" OF FREE SPACE ON EVEN SIDE OF CABINET ROW. REFER TO MANUFACTURER'S INSTALLATION GUIDE FOR ADDITIONAL REQUIREMENTS.

**LIGHTING KEYED NOTES:**

- L1 CHAIN HANG LIGHT FIXTURES +10'-0" AFF. COORDINATE MOUNTING LOCATIONS WITH ANY MECHANICAL EQUIPMENT, DUCTWORK, ETC. BEFORE INSTALLING. PLACE FIXTURES FOR OPTIMAL ILLUMINATION.
- L2 PROVIDE WEATHERPROOF J-BOX FOR 120V DIRECT CONNECTION TO HALO LIGHTING SYSTEM. HALO LIGHTING SYSTEM PRE-FABRICATED AND INSTALLED ON SITE. COORDINATE J-BOX MOUNTING LOCATION AND SYSTEM CONNECTION REQUIREMENTS WITH HALO CONTRACTOR. AVOID ROOF PENETRATIONS.
- L3 PROVIDE OCCUPANCY SENSOR WITH AUXILIARY CONTACTS FOR CONTROL CONNECTION TO ROOM EXHAUST FAN. EXHAUST FAN TO BE INTERLOCKED WITH OCCUPANCY SENSOR.
- L4 TYPICAL MOUNTING DIMENSIONS FROM WALLS FOR ALL ROOM DOWNLIGHTS.

| COMMON SYMBOLS |  |
|----------------|--|
|                | POWER KEYED NOTE   |
|                | LIGHTING KEYED NOTE  |
| ABBREVIATIONS  |  |
| TYP            | TYPICAL.   |
| C              | OUTLET MOUNTED OVER COUNTER TOP. MOUNT WITH BOTTOM OF BOX 6" ABOVE COUNTERTOP. |
| U.C.           | OUTLET MOUNTED UNDER COUNTER TOP.  |
| AFF            | ABOVE FINISHED FLOOR.  |
| WP             | WEATHER PROOF, WATERTIGHT & CORROSION RESISTANT.                               |
| EXP            | EXPLOSION PROOF  |
| GFI            | GROUND FAULT INTERRUPTING TYPE   |
| IG             | ISOLATED GROUND.   |
|                | DETAIL No.3 ON DRAWING E03   |
| ELEC. ROOM<br> | ROOM TAG   |
|                | REVISION TRIANGLE  |
| UNO            | UNLESS NOTED OTHERWISE   |

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60631225P  
CITY OF MADISON, DANE COUNTY, WI  
CONTRACT NO: 60631225C

ELECTRICAL LEGENDS AND ABBREVIATIONS  
BUS RAPID TRANSIT  
CITY OF MADISON



GENERAL

1. THE GENERAL STRUCTURAL NOTES AND STANDARD STRUCTURAL DETAILS APPLY TO THE ENTIRE PROJECT UNLESS SPECIFICALLY STATED OTHERWISE.

DESIGN CRITERIA

1. DESIGN AND CONSTRUCT IN CONFORMANCE WITH THE LATEST EDITION OF THE WISCONSIN BUILDING CODE AND 2015 IBC.
2. SUPERIMPOSED DESIGN LOADS:
 

|   |              |
|---|--------------|
| A. LIVE LOAD:   | 100 PSF      |
| B. ROOF LIVE LOAD (NON-REDUCIBLE):  | 20 PSF       |
| C. ROOFING COLLATERAL LOAD  | 5 PSF        |
| (ROOF SUPPORTED EQUIPMENT AND PIPING ADDITIONAL)                                      |              |
| D. MECHANICAL EQUIPMENT: VERIFY WITH EQUIPMENT SUPPLIER.<br>(SEE EQUIPMENT SCHEDULES) |              |
| E. OCCUPANCY CATEGORY OF BUILDINGS  | II           |
| F. ROOF SNOW LOAD:  |              |
| 1. GROUND SNOW LOAD, P <sub>g</sub>   | 30 PSF       |
| 2. FLAT ROOF SNOW LOAD  | 21 PSF+DRIFT |
| 3. SNOW EXPOSURE FACTOR, C <sub>e</sub>   | 1.0          |
| 4. IMPORTANCE FACTOR, I   | 1.0          |
| 5. THERMAL FACTOR, C <sub>t</sub>   | 1.0          |
| G. WIND LOAD:   |              |
| 1. BASIC WIND SPEED, V  | 115 MPH      |
| 2. IMPORTANCE FACTOR, I   | 1.0          |
| 3. WIND EXPOSURE  | C            |
| 4. INTERNAL PRESSURE COEFF, G <sub>Cpi</sub>  | +/- 0.18     |
2. DO NOT SCALE DRAWINGS TO OBTAIN DIMENSIONAL INFORMATION. MISSING OR CONFLICTING DIMENSIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
3. REFER TO CIVIL, ARCHITECTURAL, MECHANICAL, PLUMBING, FIRE PROTECTION AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR LOCATIONS AND DIMENSIONS OF CHASES, SLOTS, INSERTS, CURBS, OPENINGS, SLEEVES, ANCHOR BOLTS, FLOOR PITCHES, ANGLE FRAMES, GATE FRAMES, AND OTHER PROJECT REQUIREMENTS NOT INDICATED ON STRUCTURAL DRAWINGS.
4. COORDINATE DIMENSIONS AND VERIFY LOCATION OF STRUCTURAL ELEMENTS WITH PURCHASED EQUIPMENT. SIZE AND FURNISH ANCHOR BOLTS AS REQUIRED BY THE EQUIPMENT SUPPLIER UNLESS OTHERWISE INDICATED. DESIGN ANCHOR BOLTS TO BE COMPLIANT WITH ACI 318 REQUIREMENTS.
5. PROVIDE OPENINGS REQUIRED FOR PURCHASED EQUIPMENT. PROVIDE ANCHOR BOLTS, NUTS, NON-SHRINK NON-METALLIC GROUT, CONCRETE PADS AND REINFORCING STEEL REQUIRED FOR THE INSTALLATION OF EQUIPMENT.
6. STANDARD DETAILS AS SHOWN ON THE STRUCTURAL STANDARD DETAIL SHEETS ARE APPLICABLE TO ALL STRUCTURAL WORK EXCEPT WHERE A SPECIFIC SECTION OR DETAIL IS SHOWN OTHERWISE.

FOUNDATION

1. FOUNDATION DESIGNS ARE BASED UPON ALLOWABLE SOIL BEARING CAPACITY OF 2000 PSF.
2. PERCENT COMPACTION IS DEFINED AS THE RATIO OF THE FIELD DRY DENSITY, DETERMINED BY ASTM D-1556, TO THE MAXIMUM DRY DENSITY, DETERMINED BY ASTM-D 1557 (MODIFIED PROCTOR).
3. COMPACT BACKFILL UNDER FOUNDATION MATS, BASE SLABS, FOOTINGS, AND SLABS ON GRADE TO A MINIMUM OF 95 PERCENT. COMPACT EMBANKMENTS AND BACKFILL NOT SUPPORTING STRUCTURES TO A MINIMUM OF 90 PERCENT. PLACE AND COMPACT ALL BACKFILL IN 8-INCH MAXIMUM LAYERS.
4. COMPACT THE BOTTOM SURFACE OF EXPOSED EXCAVATIONS WITH A VIBRATORY STEEL DRUM ROLLER OR VIBRATORY PLATE TO ACHIEVE A NEAR SURFACE DENSITY OF AT LEAST 95 PERCENT.
5. DO NOT PLACE FOUNDATION CONCRETE IN WATER OR ON FROZEN OR DISTURBED GROUND.
6. PLACE EXTERIOR SLABS, PLATFORMS AND WALKS ON 8-INCH LAYERS OF NON-FROST SUSCEPTIBLE MATERIAL (GRANULAR FILL, SCREENED GRAVEL OR CRUSHED STONE BACKFILL HAVING NOT MORE THAN 5 PERCENT BY WEIGHT PASSING A NO. 200 SIEVE). THE LIMITS OF BACKFILL ARE DEFINED BY AN OUTWARD SLOPE OF 1:1 FROM THE PERIMETER OF THE SLAB TO A DEPTH OF FOUR FEET BELOW FINISH GRADE UNLESS OTHERWISE INDICATED OR SPECIFIED. PLACE MATERIAL IN 8-INCH LIFTS. COMPACT SELECT BORROW TO 95 PERCENT. COMPACT SCREENED GRAVEL AND CRUSHED STONE USING A SELF-PROPELLED VIBRATORY STEEL DRUM ROLLER OR RUBBER TIRE ROLLERS WITH A MINIMUM OF FOUR PASSES IN DIRECTIONS PERPENDICULAR TO ONE ANOTHER IN OPEN AREAS. IN SMALL AREAS, USE MANUALLY OPERATED VIBRATORY PLATE COMPACTORS WITH A MINIMUM OF FOUR PASSES.

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| MARK         | REVISION         |
| Designed By: | Date: 2022-03-08 |
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**60631225P**  
**CITY OF MADISON, DANE COUNTY, WI**  
**CONTRACT NO: 60631225C**

**STRUCTURAL NOTES**  
**BUS RAPID TRANSIT**  
**CITY OF MADISON**



REINFORCING STEEL

1. ALL REINFORCING STEEL INCLUDING STIRRUPS AND TIES, SHALL BE HIGH STRENGTH, NEW BILLET STEEL CONFORMING TO ASTM A615 GRADE 60 (FY=60,000 PSI). ALL REINFORCING TO BE WELDED SHALL CONFORM TO ASTM A706 GRADE 60.
2. ALL REINFORCING SHALL BE DETAILS, FABRICATED, AND PLACED IN ACCORDANCE WITH ACI-315 "MANUAL OF STANDARD PRACTICE FOR DETAILING CONCRETE STRUCTURES (LATEST EDITION).
3. REINFORCING BARS SHALL BE SPLICED AS SHOWN ON DRAWINGS. ANY ADDITIONAL SPLICING SHALL REQUIRE PRIOR APPROVAL FROM THE STRUCTURAL ENGINEER. WHERE SPICE LENGTHS ARE NOT EXPLICITLY CALLED OUT ON DETAILS, THE MINIMUM SPLICE SHALL BE CLASS B PER ACI 318. EMBEDMENT AND HOOK LENGTHS SHALL BE PER ACI 318.
4. ALL BARS SHALL BE CLEAN OF RUST, GREASE AND OTHER MATERIAL LIKELY TO IMPAIR BOND. ALL BENDS SHALL BE MADE COLD.
5. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND OBTAIN APPROVAL PRIOR TO FABRICATION.
6. U.N.O. ON STRUCTURAL DRAWINGS, PROVIDE MINIMUM CONCRETE PROTECTION FOR REINFORCING AS FOLLOWS:
 

|                                  |                 |
|----------------------------------|-----------------|
| CAST AGAINST EARTH               | 3"              |
| EXPOSED TO EARTH OR WEATHER:     |                 |
| #5 AND SMALLER BARS AND W.W.F.   | 1-1/2" (U.N.O.) |
| #6 AND LARGER BARS               | 2"              |
| NOT EXPOSED TO EARTH OR WEATHER: |                 |
| SLABS AND WALLS:                 |                 |
| #6 AND SMALLER BARS AND W.W.F.   | 3/4"            |
| #7 AND #8 BARS                   | 1"              |
| #9 AND LARGER BARS               | 1-1/2"          |
| BEAMS AND COLUMNS                | 1-1/2"          |
7. WHERE CONSTRUCTION JOINTS ARE PROVIDED, THE REINFORCEMENT SHALL PASS CONTINUOUSLY THROUGH THE JOINT.
8. ALL WELDING OF REINFORCING TO BE DONE WITH E90XX ELECTRODES IN ACCORDANCE WITH A.W.S. SPECIFICATIONS D1.4 (LATEST EDITION).

CONCRETE

1. CONCRETE WORK SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR STRUCTURAL CONCRETE (ACI 301) AND THE BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318)
2. USE NORMAL WEIGHT CAST-IN-PLACE CONCRETE WITH ASTM C 150 TYPE I/II CEMENT FOR ALL CONCRETE WORK.
3. PROVIDE CONCRETE HAVING A 28-DAY COMPRESSIVE STRENGTH OF 4,000 PSI AND A MAXIMUM WATER-CEMENT RATIO OF 0.45 UNLESS OTHERWISE INDICATED OR SPECIFIED.
4. AIR-ENTRAIN ALL EXTERIOR CONCRETE (6%).
5. REINFORCING BARS SHALL CONFORM TO ASTM A 615, GRADE-60.
6. WELDING REINFORCING BARS IS PROHIBITED EXCEPT WHERE SPECIFICALLY INDICATED ON THE DRAWINGS. REINFORCING BARS INDICATED TO BE WELDED SHALL CONFORM TO ASTM A 706, GRADE-60.
7. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A 185. PROVIDE WELDED WIRE FABRIC IN FLAT SHEETS. STAGGER SPLICES AND LAP AT LEAST TWO FULL MESHES.
8. PROVIDE REINFORCING BAR SUPPORTS, SPACERS, AND ACCESSORIES AS RECOMMENDED IN THE ACI DETAILING MANUAL (ACI SP-66). PROVIDE PLASTIC BOOTED ACCESSORIES IN CONTACT WITH EXPOSED SURFACES. PROVIDE MINIMUM #5 SUPPORT BARS.
9. SET AND MAINTAIN REINFORCEMENT AT THE CLEAR DISTANCES FROM THE SURFACE OF CONCRETE AS SHOWN IN THE STANDARD DETAIL UNLESS OTHERWISE INDICATED.
10. PROVIDE EMBEDMENT AND SPLICES OF REINFORCEMENT AS SHOWN IN THE STANDARD DETAILS UNLESS OTHERWISE INDICATED.
11. PROVIDE CONSTRUCTION AND EXPANSION JOINTS IN SLABS AND WALLS AS SHOWN ON THE DRAWINGS. CONTRACTOR MAY SUBMIT ALTERNATIVE AND ADDITIONAL CONSTRUCTION JOINT LOCATIONS AND DETAILS FOR ENGINEER APPROVAL PRIOR TO CONSTRUCTION.
12. PROVIDE 3/4-INCH CHAMFER ON ALL EXPOSED CORNERS OF CONCRETE ELEMENTS.
13. FURNISH CONCRETE MASONRY UNIT (CMU) WALL REINFORCEMENT TO THE MASONRY SUBCONTRACTOR FOR INSTALLATION. PROVIDE REINFORCING BAR DOWELS TO BE EMBEDDED INTO CONCRETE ELEMENTS AT TOP AND BOTTOM OF CMU WALLS AS INDICATED.

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**60631225P**  
**CITY OF MADISON, DANE COUNTY, WI**  
**CONTRACT NO: 60631225C**

**STRUCTURAL NOTES**  
**BUS RAPID TRANSIT**  
**CITY OF MADISON**



MASONRY

1. MASONRY WORK SHALL CONFORM TO THE REQUIREMENTS OF BUILDING CODE REQUIREMENTS AND SPECIFICATION FOR MASONRY STRUCTURES (ACI 530).
2. MASONRY DETAILS AND NOTES APPLY TO ALL INTERIOR AND EXTERIOR CMU WALLS. SEE STANDARD DETAILS AND ARCHITECTURAL UNITS FOR DETAILS OF WALL CONSTRUCTION.
3. CONCRETE MASONRY UNITS SHALL BE ASTM C 90, TYPE I HOLLOW LOAD BEARING UNITS. THE AVERAGE ASTM E 447 PRISM STRENGTH SHALL BE A MINIMUM OF 1,900 PSI WITH NO INDIVIDUAL PRISM LESS THAN 1,700 PSI. SPECIFIED COMPRESSIVE STRENGTH OF MASONRY (f'm) SHALL BE A MINIMUM OF 1,500 PSI.
4. JOINT REINFORCEMENT SHALL BE PREFABRICATED FROM 9 GAUGE DEFORMED WIRE CONFORMING TO ASTM A 82. REINFORCING SHALL BE OF TRUSS DESIGN CONSISTING OF TWO DEFORMED 9 GAUGE LONGITUDINAL WIRES WELDED AT NOT MORE THAN 16" ON CENTER TO 9 GAUGE CROSS WIRES. OUT-TO-OUT SPACING OF LONGITUDINAL WIRES SHALL BE APPROXIMATELY 2" LESS THAN NOMINAL THICKNESS OF THE BLOCK.
5. JOINT REINFORCEMENT SHALL BE HOT-DIP GALVANIZED IN CONFORMANCE WITH ASTM A 153, CLASS B-2, WITH A MINIMUM COATING OF 1.5 OUNCES PER SQUARE FOOT.
6. REINFORCING BARS SHALL CONFORM TO ASTM A615, GRADE 60.
7. MORTAR SHALL BE ASTM C270, TYPE S HIGH STRENGTH PORTLAND CEMENT MORTAR.
8. MASONRY SHALL BE SET ON FULL MORTAR BED.
9. GROUT FILL FOR MASONRY CELLS, LINTELS AND BOND BEAMS SHALL BE COARSE GROUT CONFORMING TO ASTM C476 AND SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 2,500 PSI.
10. FULLY GROUT ALL CELLS AND COURSES WITH VERTICAL OR HORIZONTAL REINFORCING. PROVIDE 2" MINIMUM CLEAR COVER TO THE REINFORCING.
11. GROUT SHALL BE PLACED IN FOUR FOOT MAXIMUM LIFTS.
12. ALL HORIZONTAL BAR REINFORCING, EXCEPT IN THE LINTELS, SHALL BE PLACED IN CMU BOND BEAM BLOCKS. PROVIDE GALVANIZED METAL LATH IN THE HORIZONTAL JOINT BELOW THE BOND BLOCKS TO RETAIN THE GROUT.
13. PROVIDE A CONTINUOUS BOND BEAM WITH 2-#5 CONTINUOUS HORIZONTAL BARS AT THE TOP OF ALL WALLS AND AT ALL FLOOR AND ROOF LEVELS. PROVIDE ADDITIONAL BOND BEAMS BELOW ALL OPENINGS AND AT 8'-0" MAXIMUM VERTICAL SPACING FOR WALLS GREATER THAN 16 FEET IN HEIGHT. BOND BEAM REINFORCING SHALL BE CONTINUOUS THROUGH CONTROL JOINTS.
14. PROVIDE HORIZONTAL JOINT REINFORCING AT 16" ON CENTER. PROVIDE CAVITY HOOKS AND EYES 16" ON CENTER EACH WAY. INTERRUPT ALL REINFORCING AT CONTROL JOINTS.
15. VERTICAL REINFORCING SHALL BE AS INDICATED, BUT IN NO CASE LESS THAN ONE #5 AT 24" ON CENTER.
16. PROVIDE TWO FULL HEIGHT VERTICAL BARS AT EACH SIDE OF WALL OPENINGS. BAR SIZE SHALL MATCH VERTICAL WALL REINFORCING.
17. PROVIDE ONE FULL HEIGHT VERTICAL BAR AT CORNERS AND ENDS OF WALLS. BAR SIZE SHALL MATCH VERTICAL WALL REINFORCING.
18. LINTEL REINFORCING OVER OPENINGS SHALL BE EXTENDED A MINIMUM OF 2'-0" OR 40 BAR DIAMETERS BEYOND EACH SIDE OF THE OPENING.
19. ALL REINFORCING BARS SHALL BE SECURELY HELD IN POSITION WITH 9 GAUGE WIRE SUPPORTS PRIOR TO GROUTING.
20. ALL REINFORCING BARS IN MASONRY SHALL HAVE MINIMUM LAPS OF 48 BAR DIAMETERS. JOINT REINFORCING SHALL BE LAPPED A MINIMUM OF 1'-0".

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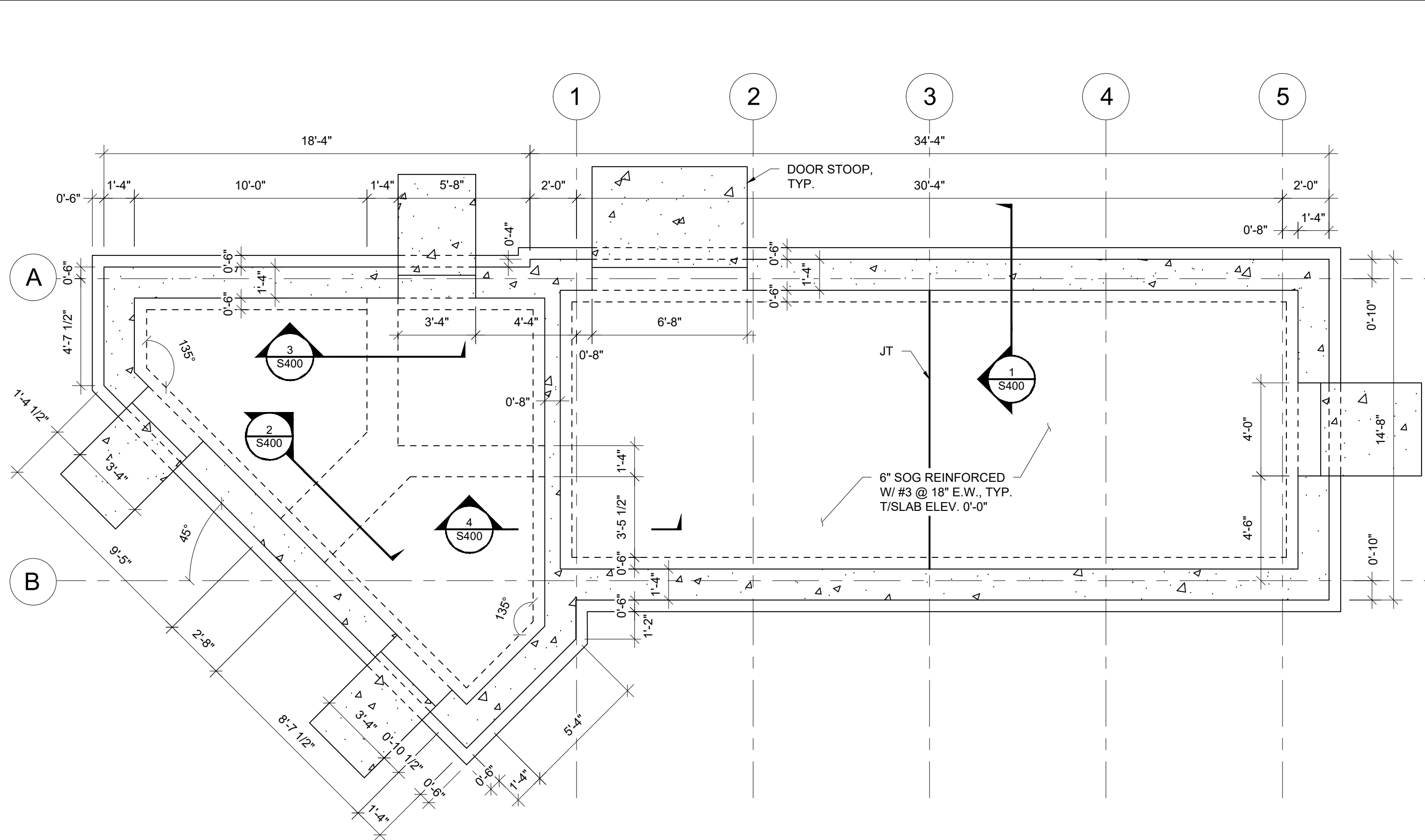
60631225P  
CITY OF MADISON, DANE COUNTY, WI  
CONTRACT NO: 60631225C

STRUCTURAL NOTES  
BUS RAPID TRANSIT  
CITY OF MADISON









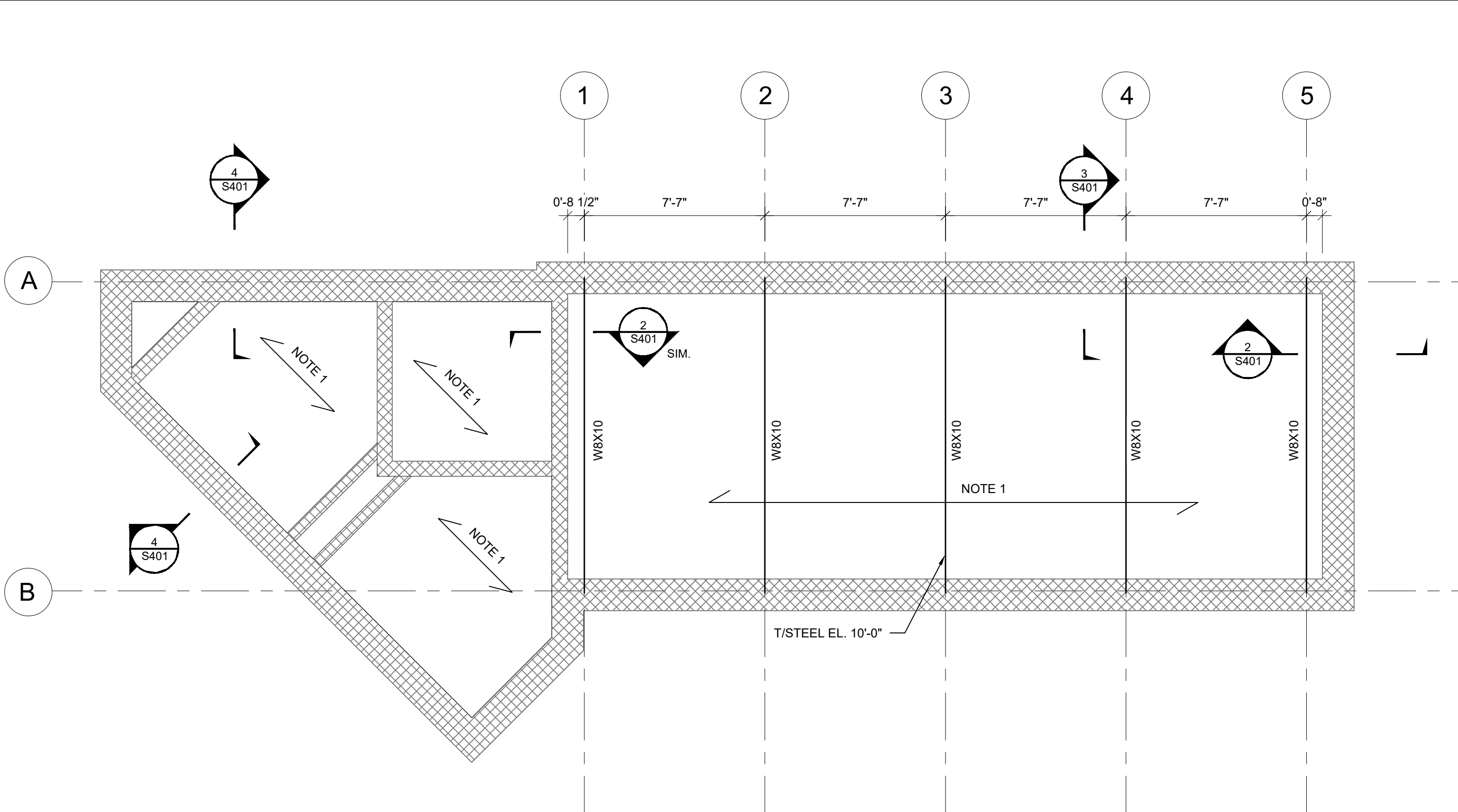
**FOUNDATION AND FLOOR PLAN**  
 $\frac{1}{4}'' = 1'-0''$

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60631225P  
 CITY OF MADISON, DANE COUNTY, WI  
 CONTRACT NO: 60631225C

FOUNDATION PLAN  
 BUS RAPID TRANSIT  
 CITY OF MADISON





**ROOF FRAMING PLAN**

1/4" = 1'-0"

**NOTES:**

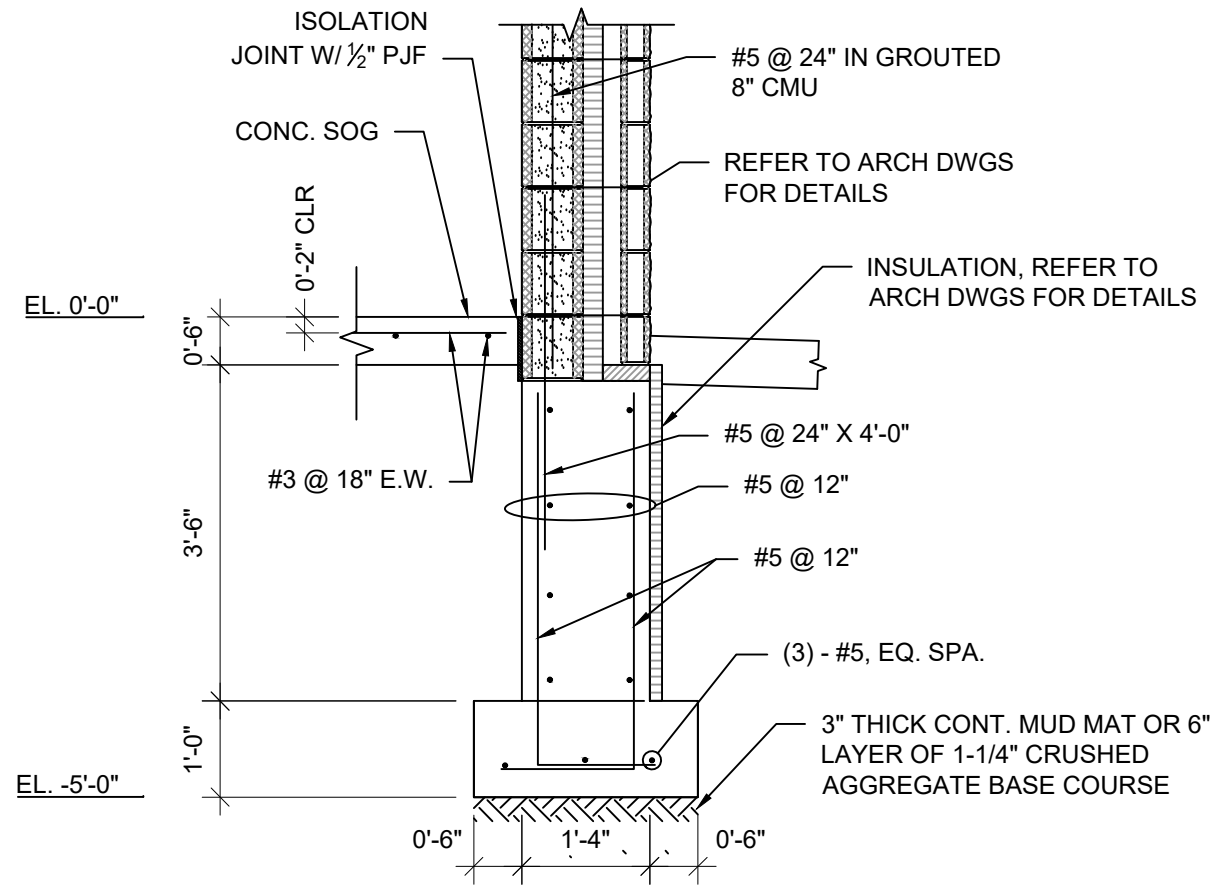
1. 1.5" X 16 GA TYPE B DECK FASTENED TO ALL SUPPORTS W/ #12 TEK SCREWS IN A 36/4 PATTERN. FASTEN SIDELAP W/ #10 TEK SCREWS @ 18" O.C.

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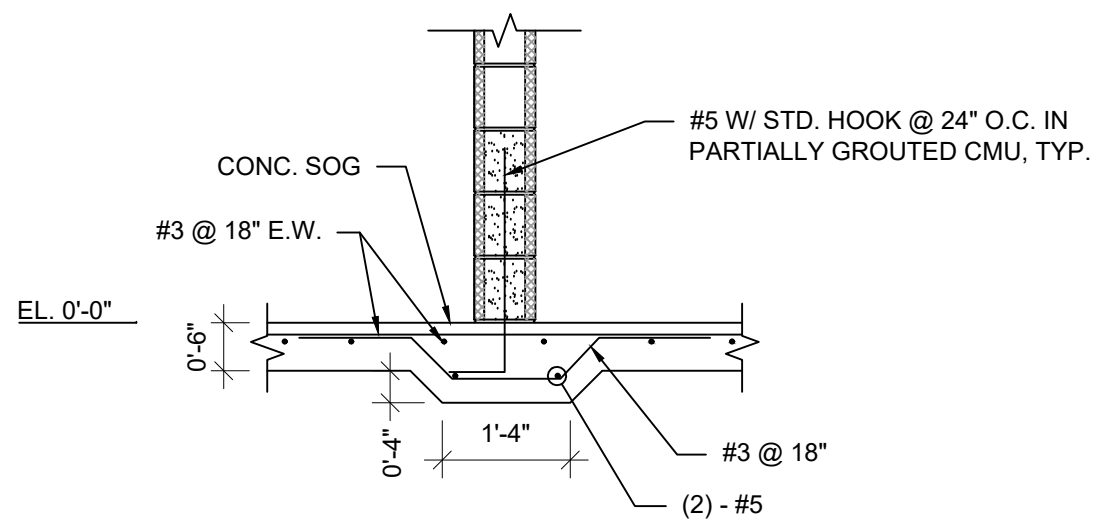
60631225P  
 CITY OF MADISON, DANE COUNTY, WI  
 CONTRACT NO: 60631225C

ROOF FRAMING PLAN  
 BUS RAPID TRANSIT  
 CITY OF MADISON

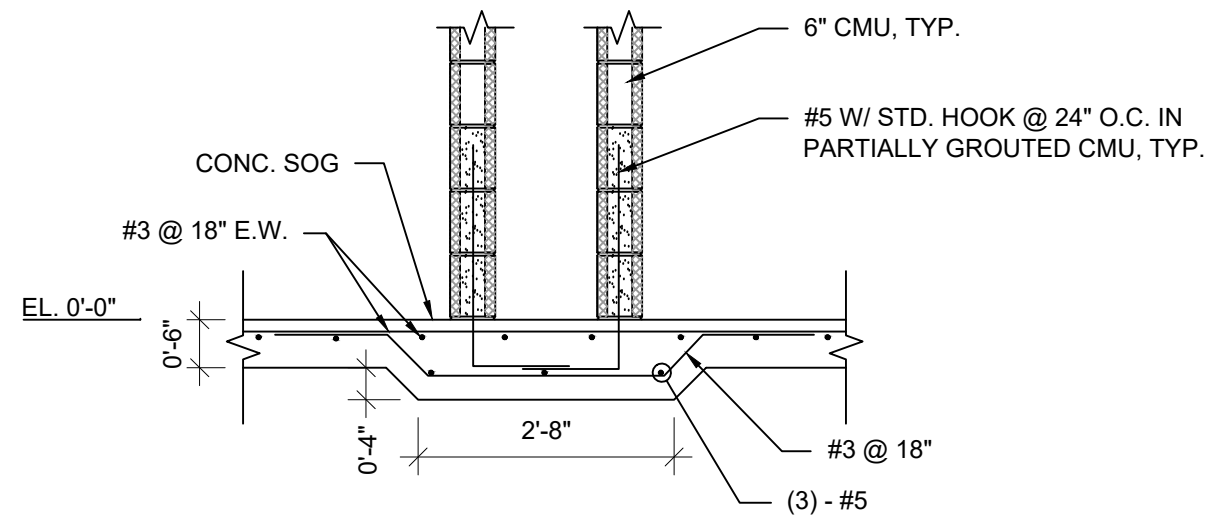




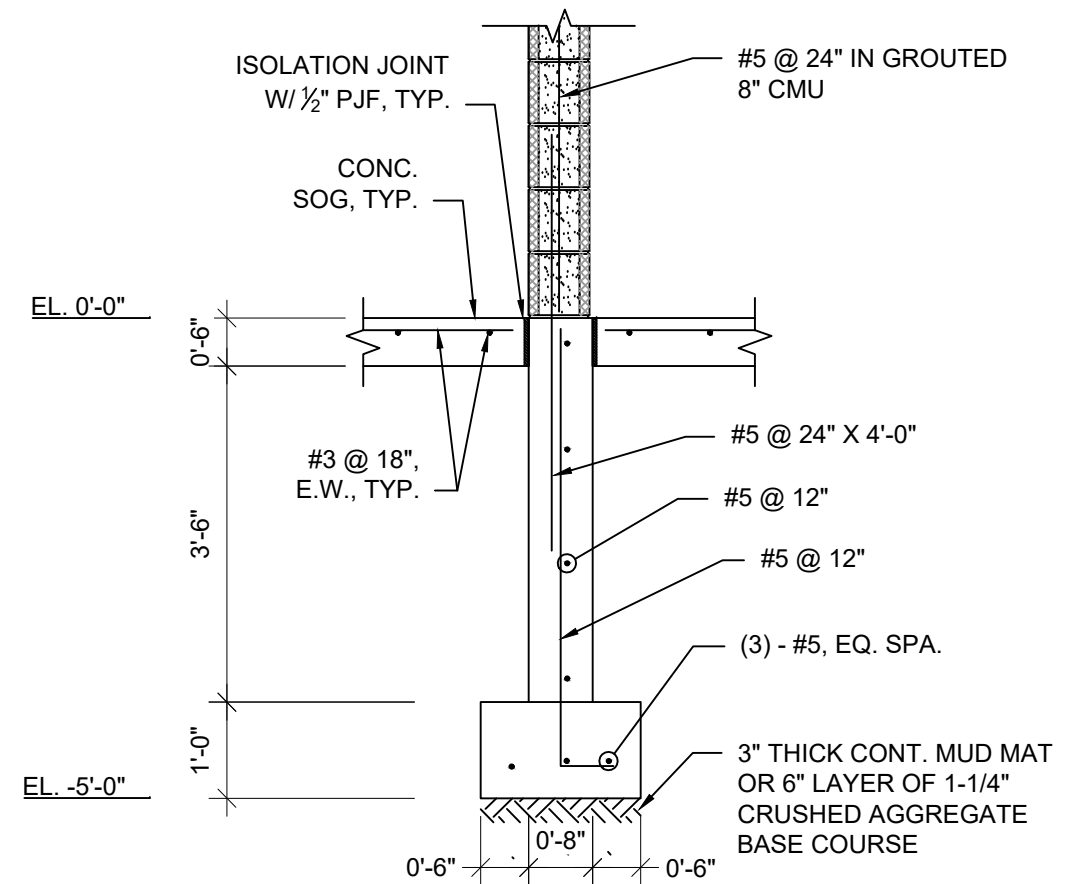
1 STRIP FOOTING AT EXTERIOR WALL DETAIL  
 $\frac{1}{2}'' = 1'-0''$



3 THICKENED SLAB AT 8" CMU WALL DETAIL  
 $\frac{1}{2}'' = 1'-0''$



2 THICKENED SLAB AT 8" CMU WALL DETAIL  
 $\frac{1}{2}'' = 1'-0''$



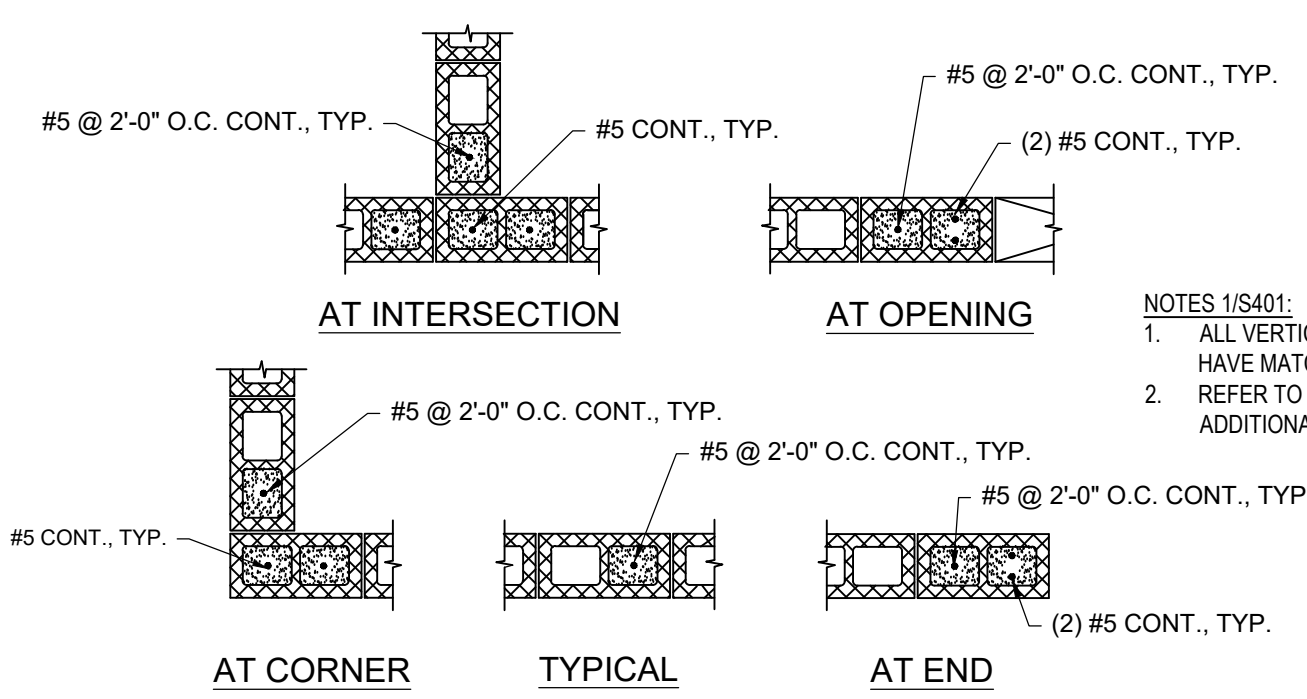
4 STRIP FOOTING AT INTERIOR WALL DETAIL  
 $\frac{1}{2}'' = 1'-0''$

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 CITY OF MADISON, DANE COUNTY, WI  
 CONTRACT NO: 60631225C

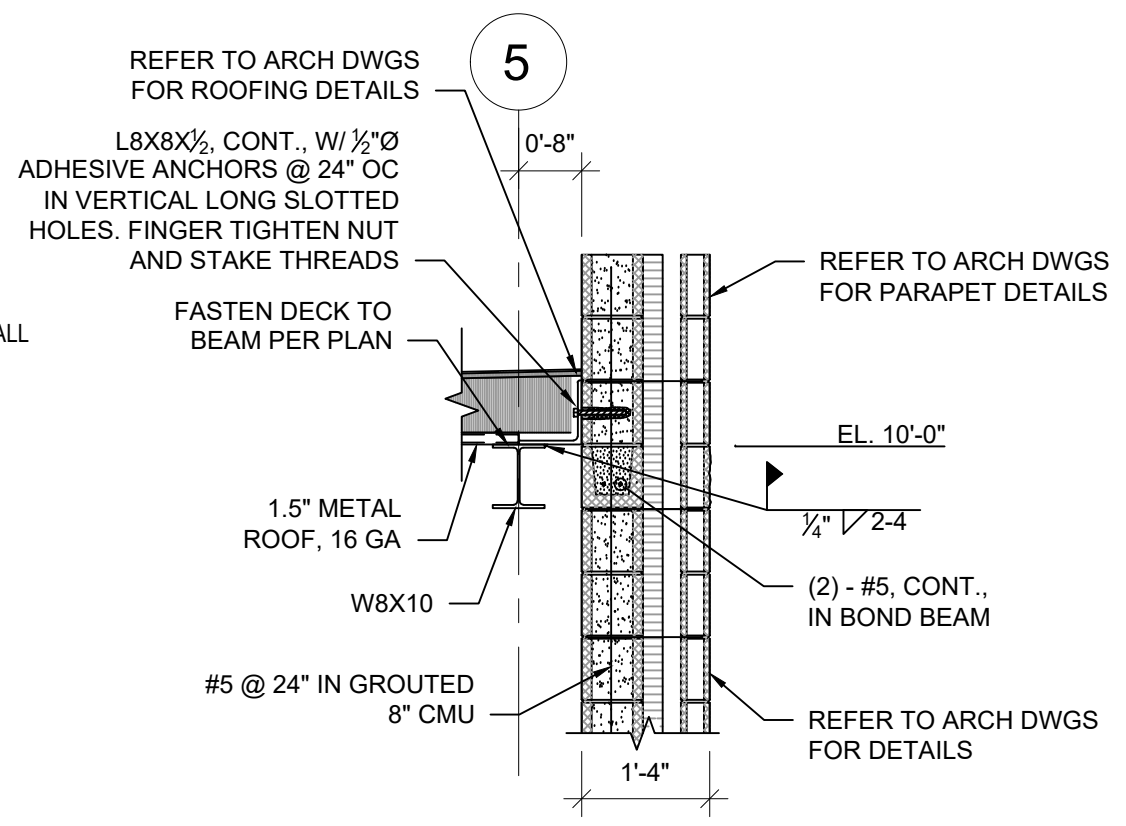
STRUCTURAL DETAILS  
 BUS RAPID TRANSIT  
 CITY OF MADISON



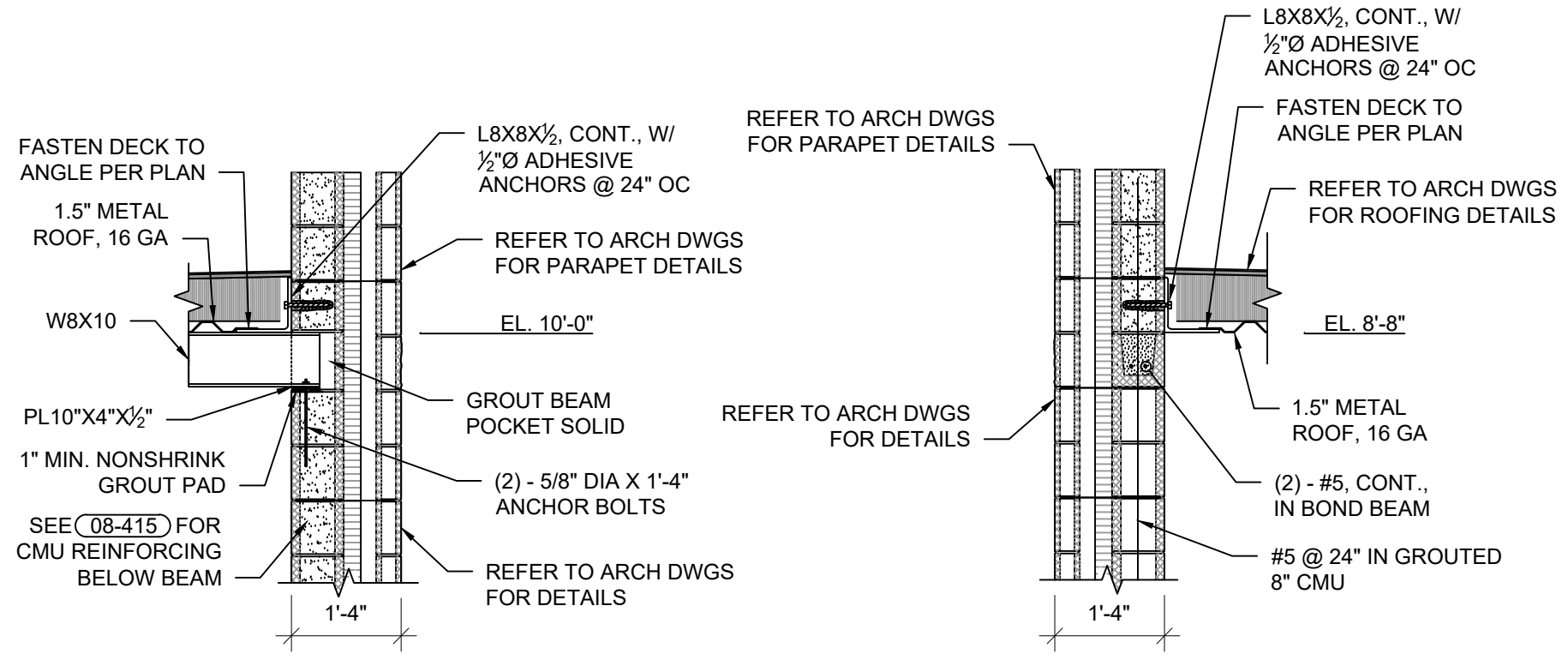


NOTES 1/S401:  
 1. ALL VERTICAL REINFORCING SHALL HAVE MATCHING DOWELS  
 2. REFER TO SHEET S003 FOR ADDITIONAL INFORMATION.

1 CMU WALL DETAILS  
 1/2" = 1'-0"



2 CMU WALL AT ROOF DETAIL  
 1/2" = 1'-0"



3 ROOF BEAM BEARING DETAIL  
 1/2" = 1'-0"

4 CMU WALL AT ROOF DETAIL  
 1/2" = 1'-0"

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| 60631225P                        | 60631225C |
| STRUCTURAL DETAILS               |           |
| CITY OF MADISON, DANE COUNTY, WI |           |
| BUS RAPID TRANSIT                |           |
| CITY OF MADISON                  |           |
| DESIGNED BY:                     | DATE:     |
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| S401                             |           |

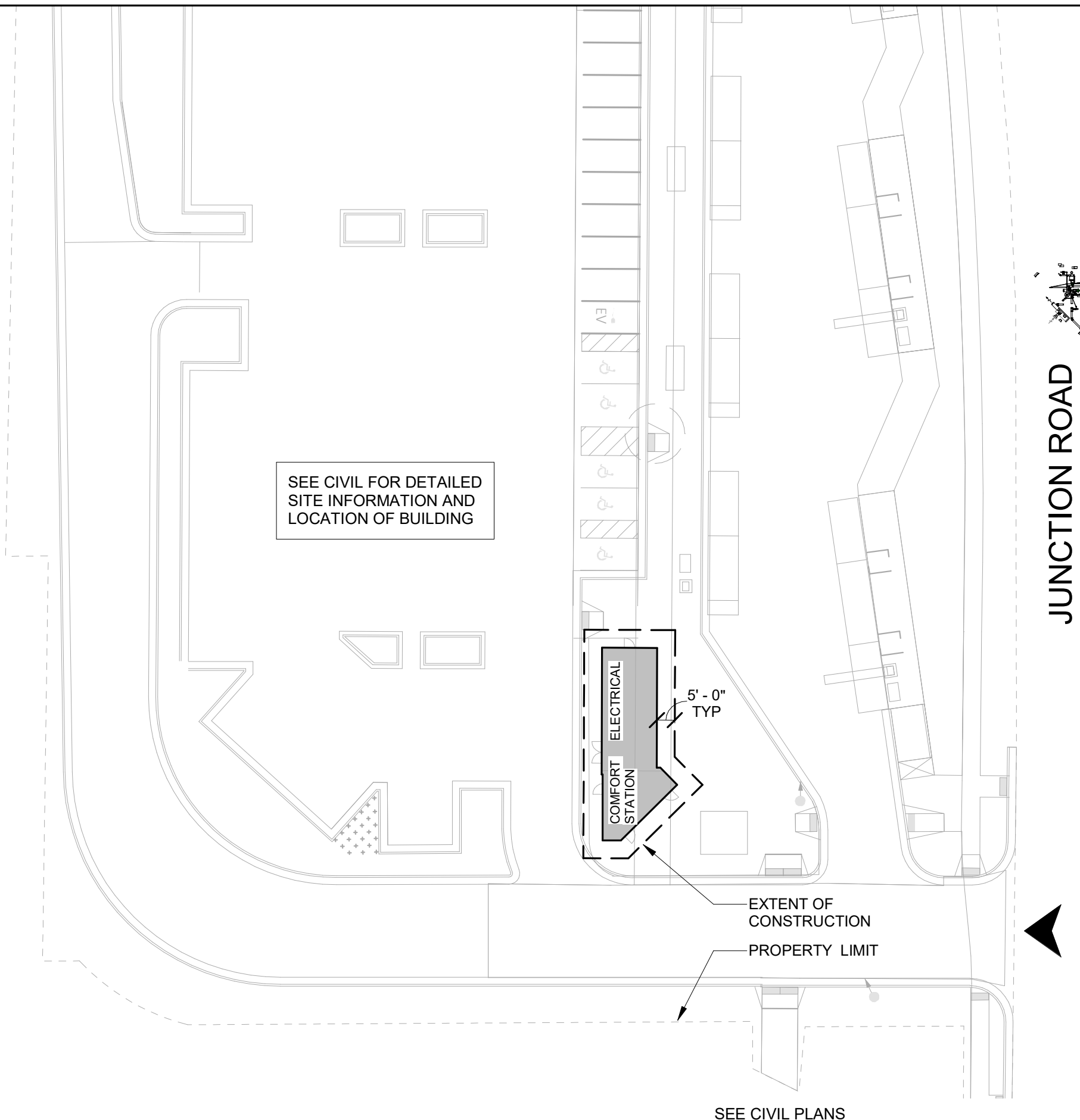
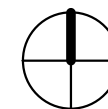




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A201

### SITE PLAN - JUNCTION ROAD

Scale: 1/32" = 1'-0"



JUNCTION ROAD



A001

COMFORT STATION SITE PLAN - JUNCTION ROAD

BUS RAPID TRANSIT  
CITY OF MADISON

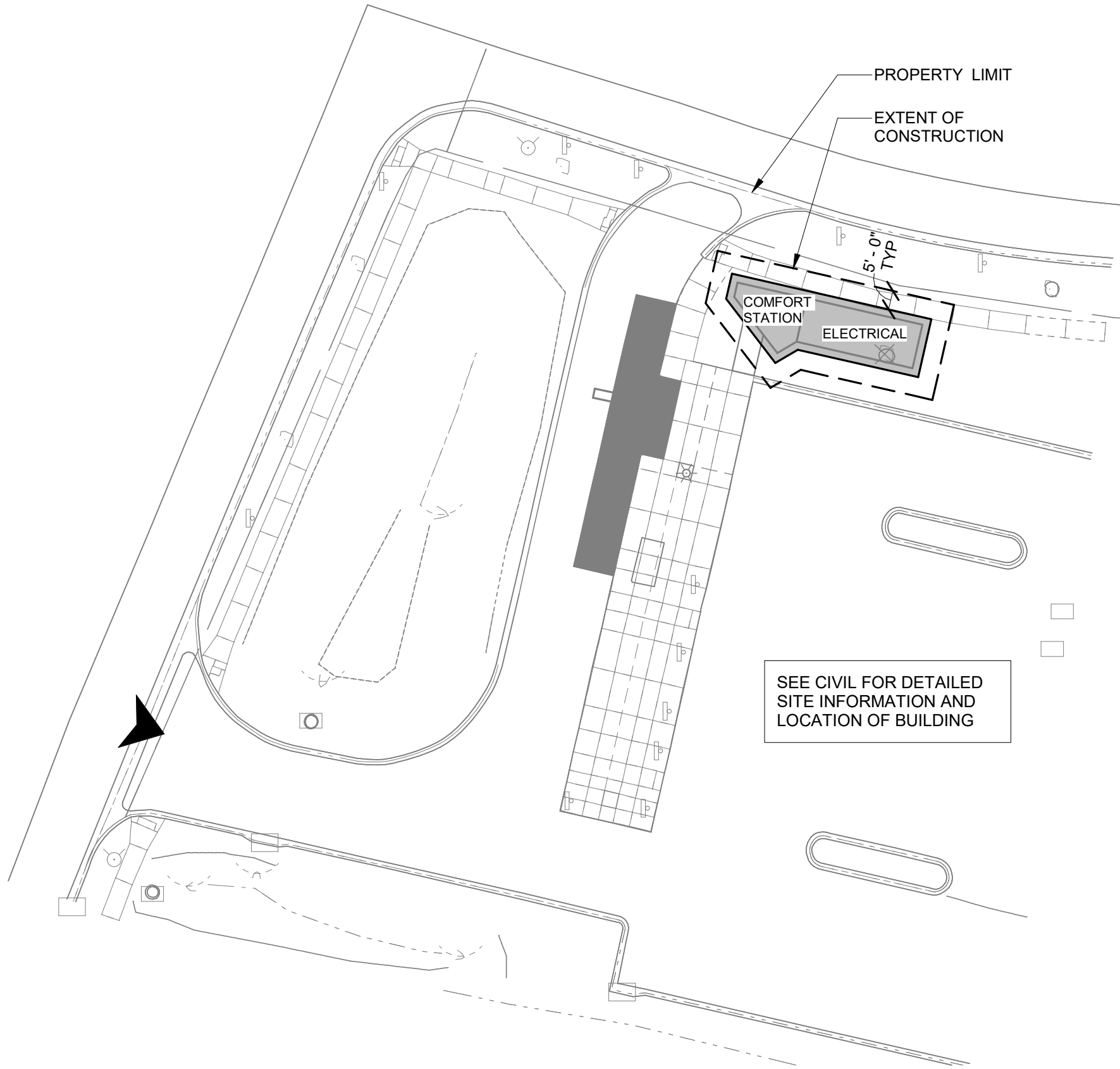
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CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

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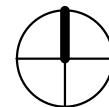
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**SITE PLAN - SUN PRAIRIE**

Scale: 1/32" = 1'-0"



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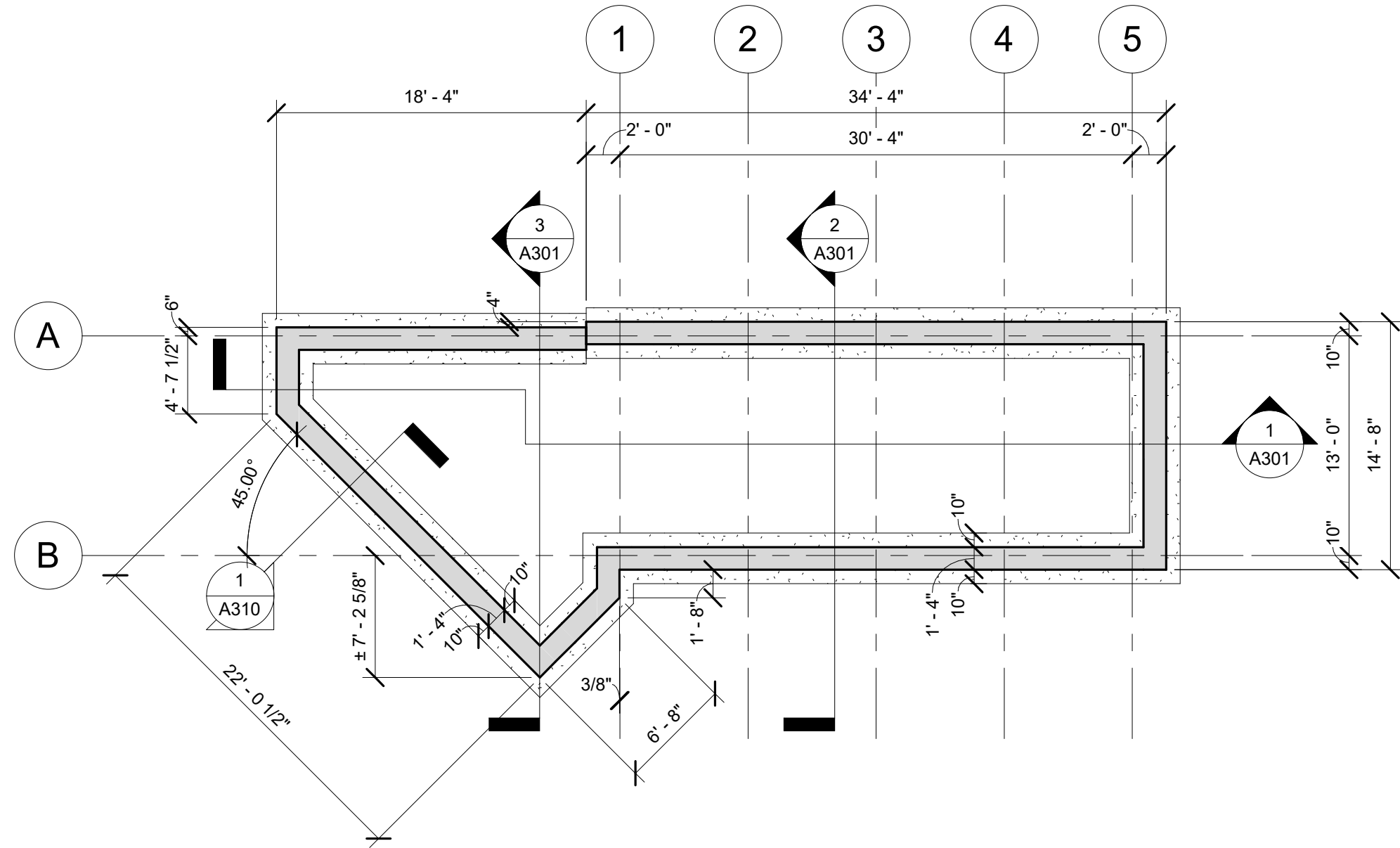
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CITY OF MADISON, DANE COUNTY, WI  
CONTRACT NO: 60631225C

COMFORT STATION SITE PLAN - SUN PRAIRIE  
BUS RAPID TRANSIT  
CITY OF MADISON



A002

| KEYNOTE LEGEND |             |
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| VALUE          | DESCRIPTION |



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60631225P  
 CITY OF MADISON, DANE COUNTY, WI  
 CONTRACT NO: 60631225C

FOUNDATION PLAN OVERALL COMBINED  
 BUS RAPID TRANSIT  
 CITY OF MADISON



**1**  
 A301 | **FOUNDATION PLAN COMBINED**  
 Scale: 1/8" = 1'-0"

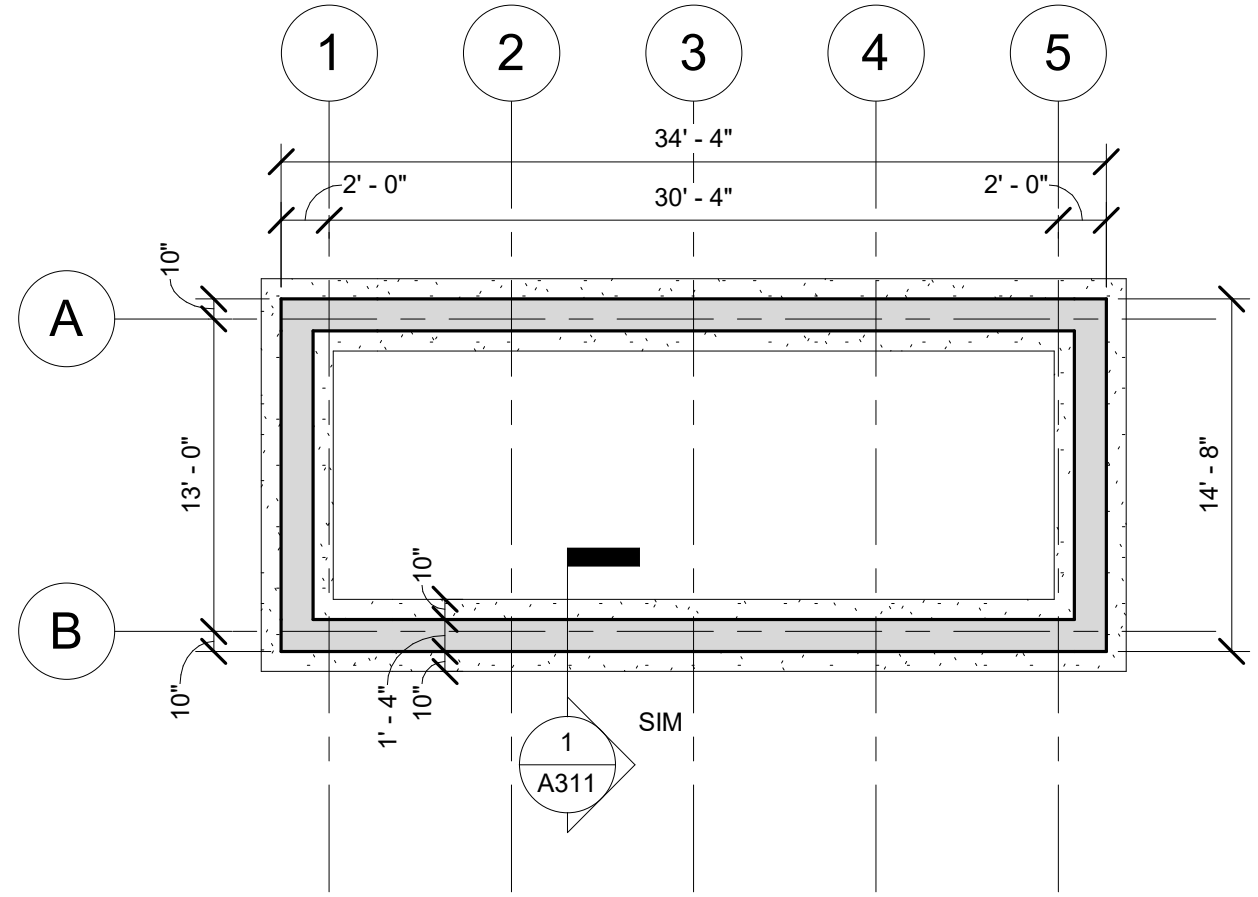
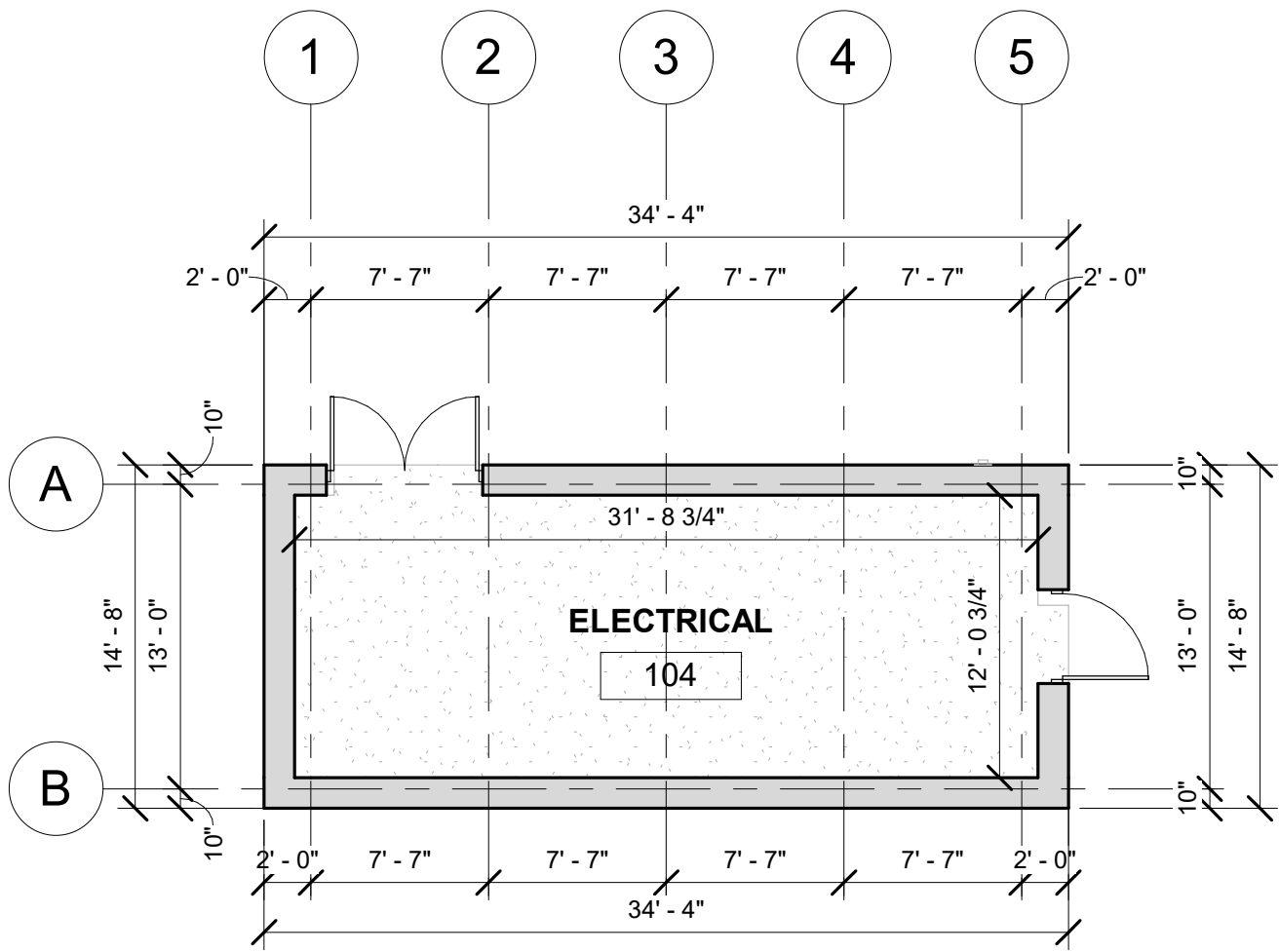
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60631225P  
 CITY OF MADISON, DANE COUNTY, WI  
 CONTRACT NO: 60631225C

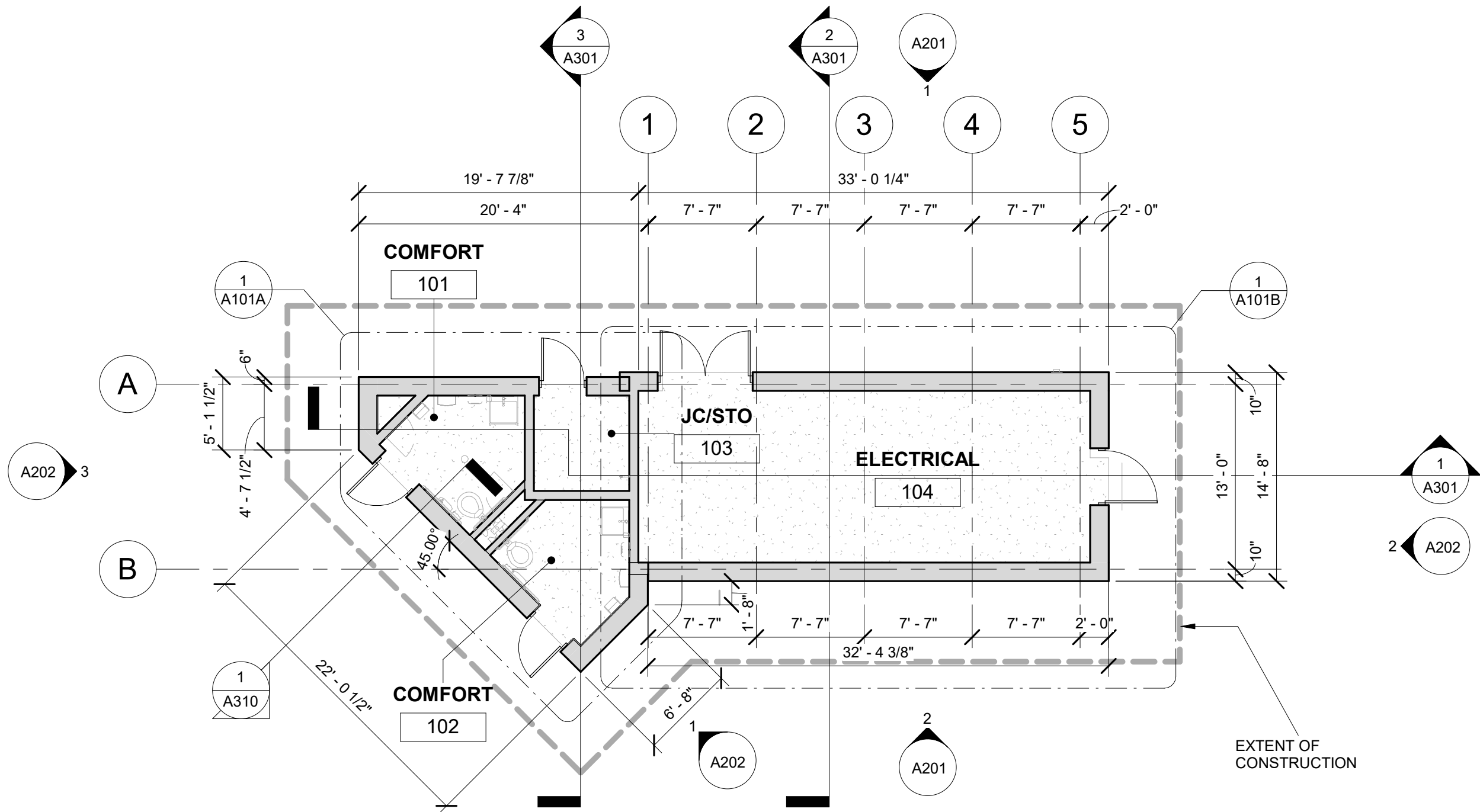


A011



**2** | **ELECTRICAL ROOM PLAN HANSON ROAD**  
 Scale: 1/8" = 1'-0"

**1** | **HANSON ROAD ELECTRICAL ROOM FOUNDATION PLAN**  
 A301 | Scale: 1/8" = 1'-0"



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A201

**FINISH FLOOR COMBINED**

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

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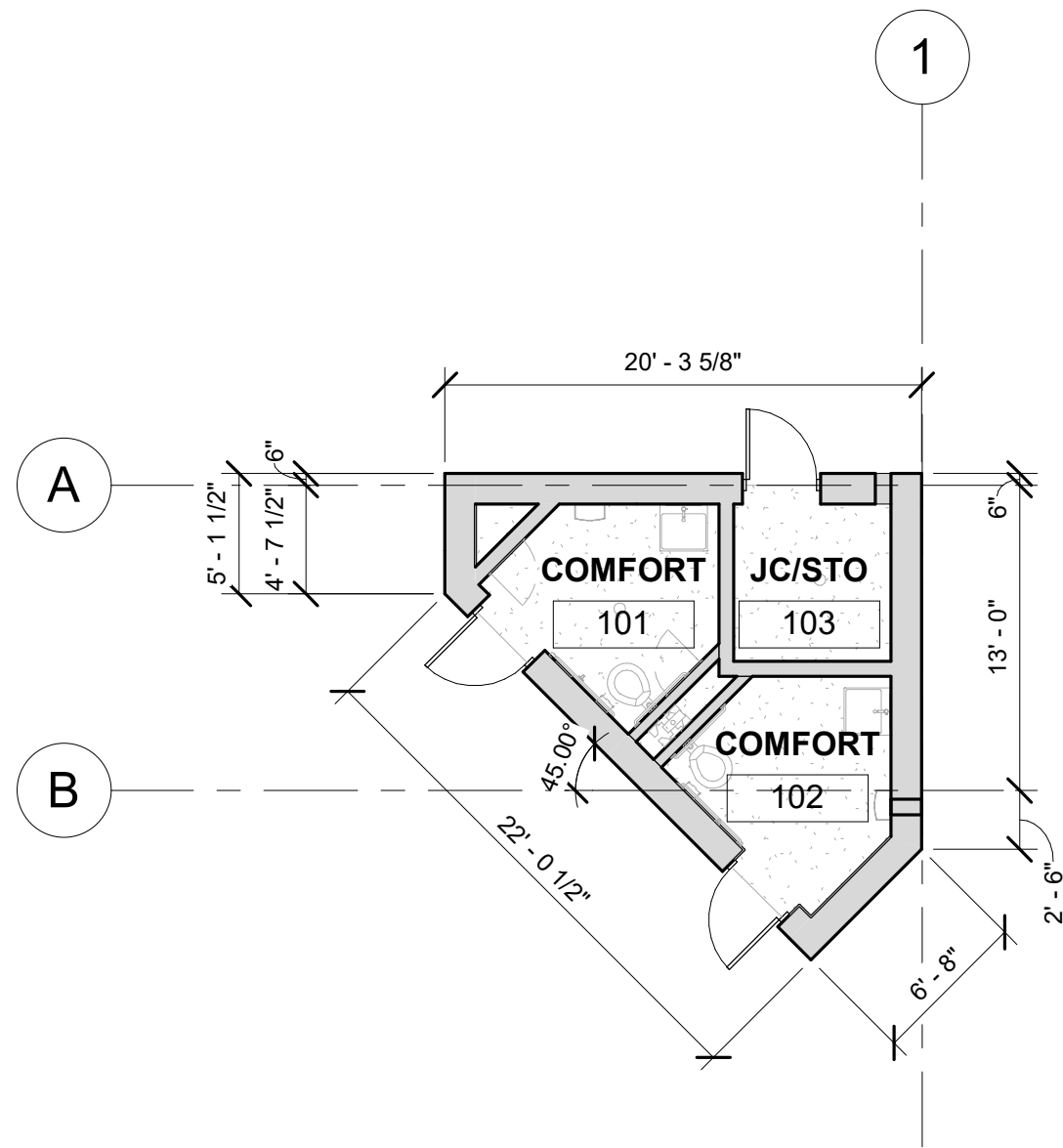
60631225P  
CITY OF MADISON, DANE COUNTY, WI  
CONTRACT NO: 60631225C

COMFORT STATION FINISH FLOOR PLAN OVERALL COMBINED  
BUS RAPID TRANSIT  
CITY OF MADISON



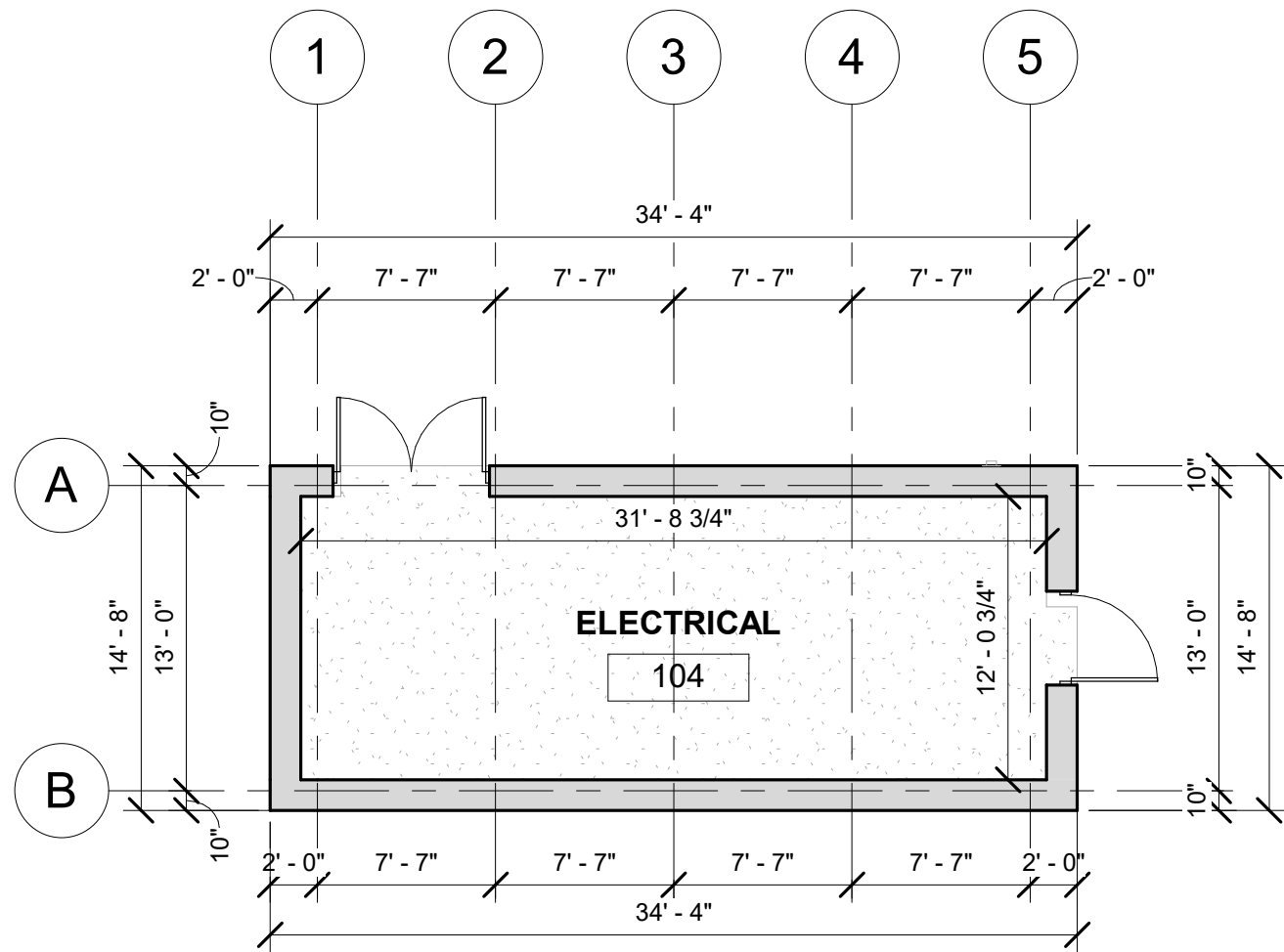
A020





**COMFORT ROOMS PLAN**

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



**ELECTRICAL ROOM PLAN**

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

1

A201

2

A201

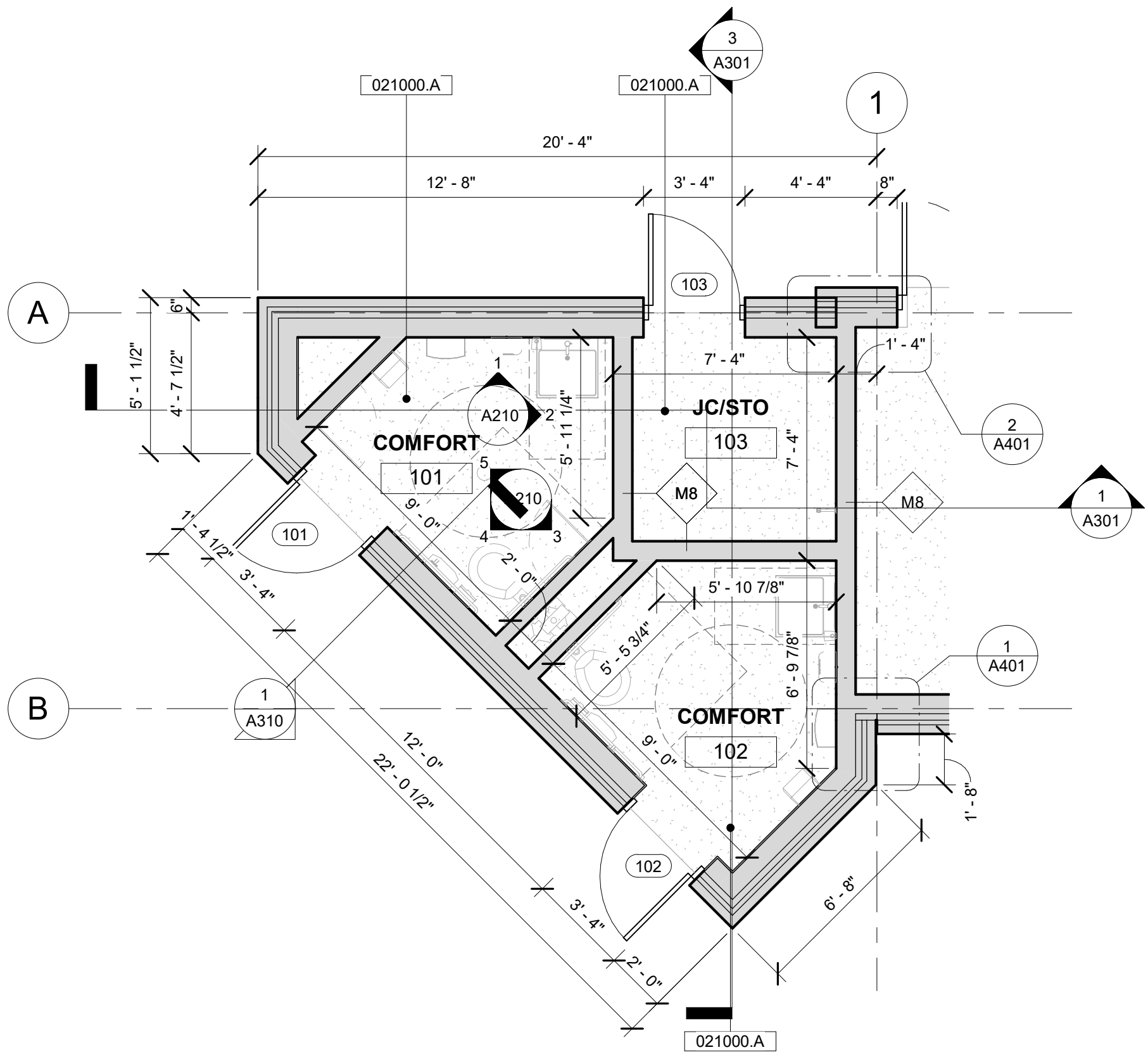
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60631225P  
 CITY OF MADISON, DANE COUNTY, WI  
 CONTRACT NO: 60631225C



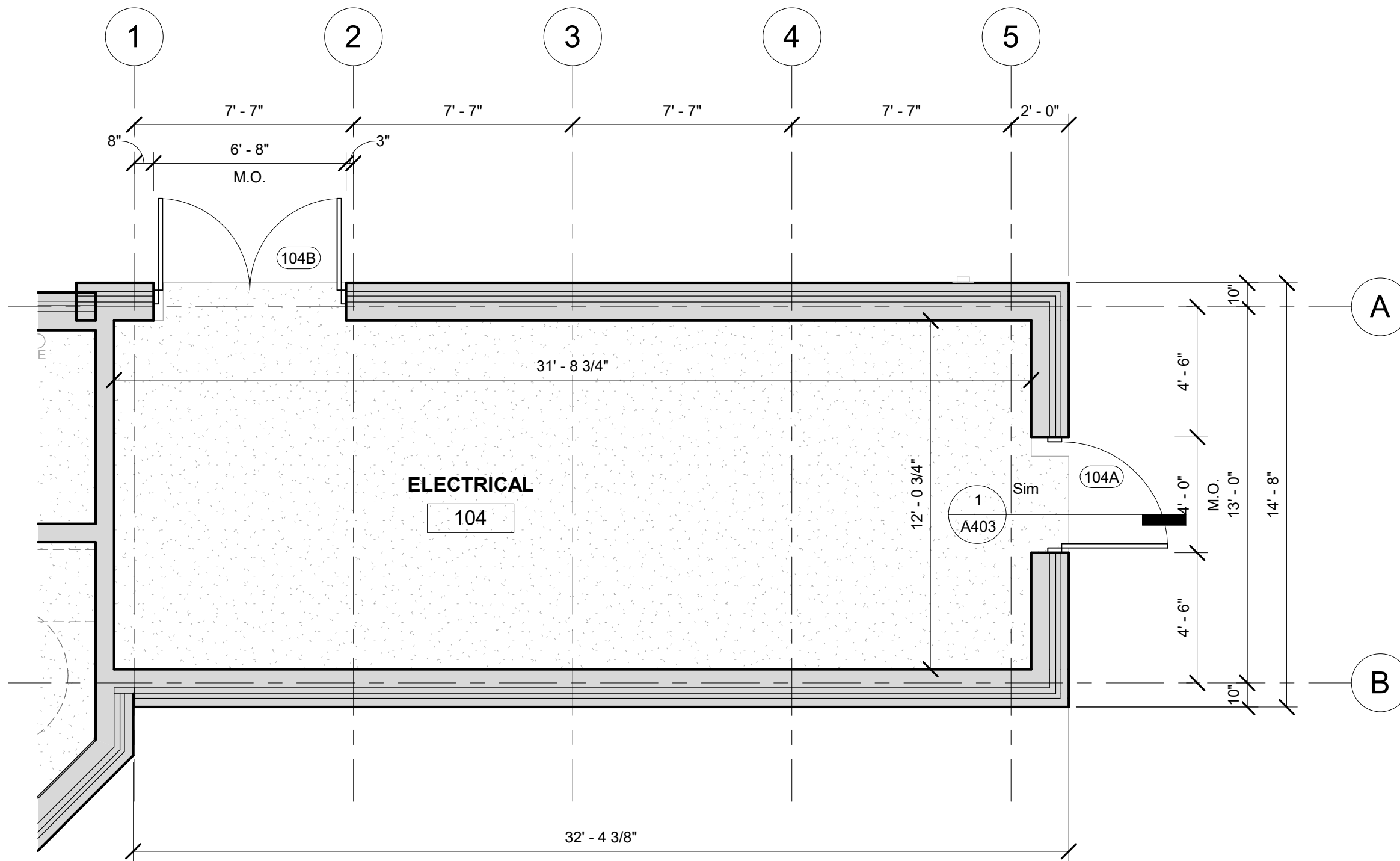
A021

| KEYNOTE LEGEND |                                |
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| VALUE          | DESCRIPTION                    |
| 021000.A       | SEALED TROWELED CONCRETE FLOOR |



**1** | **COMFORT AND JC / STORAGE ROOMS**  
 A020 | Scale: 1/4" = 1'-0"

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| 60631225P                                       | 60631225C        |
| COMFORT STATION ENLARGED JC/STO ROOM FLOOR PLAN | CITY OF MADISON  |
| BUS RAPID TRANSIT                               | CITY OF MADISON  |
| CITY OF MADISON                                 | CITY OF MADISON  |
| WISCONSIN                                       | WISCONSIN        |
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| CONTRACT NO: 60631225C                          |                  |
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A020

**ELECTRICAL ROOM**

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

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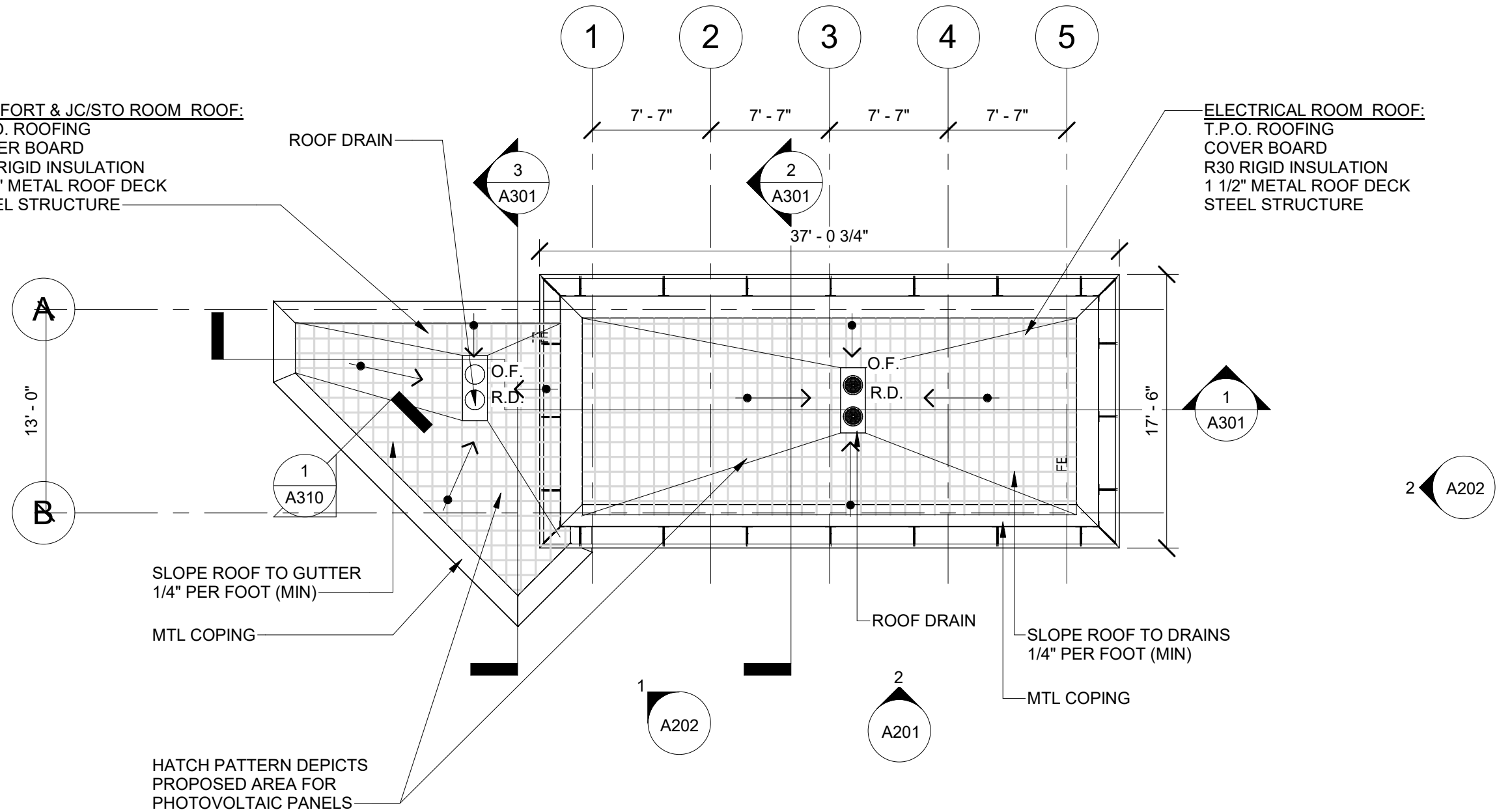
60631225P  
 CITY OF MADISON, DANE COUNTY, WI  
 CONTRACT NO: 60631225C



A101B

**COMFORT & JC/STO ROOM ROOF:**  
 T.P.O. ROOFING  
 COVER BOARD  
 R30 RIGID INSULATION  
 1 1/2" METAL ROOF DECK  
 STEEL STRUCTURE

**ELECTRICAL ROOM ROOF:**  
 T.P.O. ROOFING  
 COVER BOARD  
 R30 RIGID INSULATION  
 1 1/2" METAL ROOF DECK  
 STEEL STRUCTURE



SLOPE ROOF TO GUTTER  
 1/4" PER FOOT (MIN)

MTL COPING

HATCH PATTERN DEPICTS  
 PROPOSED AREA FOR  
 PHOTOVOLTAIC PANELS

ROOF DRAIN

SLOPE ROOF TO DRAINS  
 1/4" PER FOOT (MIN)

MTL COPING

**1**  
 A201

**ROOF PLAN**

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

60631225P  
 CITY OF MADISON, DANE COUNTY, WI  
 CONTRACT NO: 60631225C

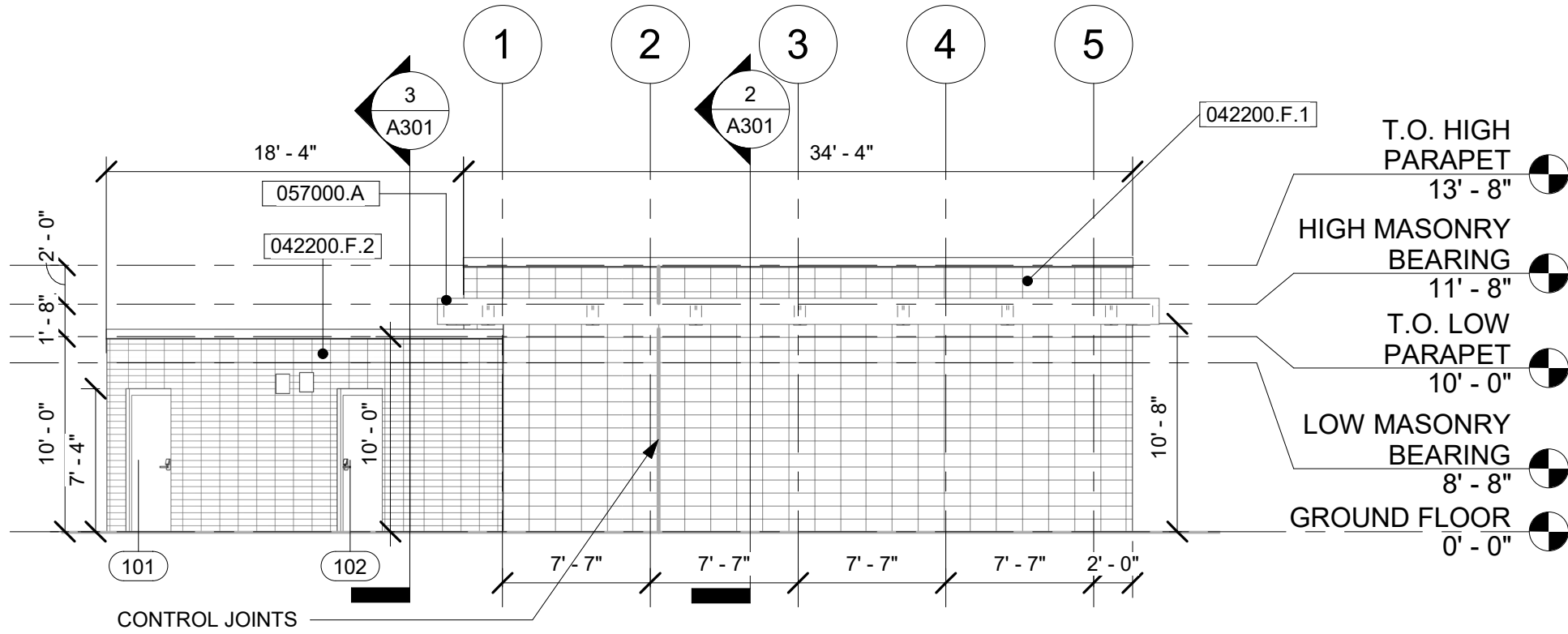
COMFORT STATION ROOF PLAN  
 BUS RAPID TRANSIT  
 CITY OF MADISON



A102

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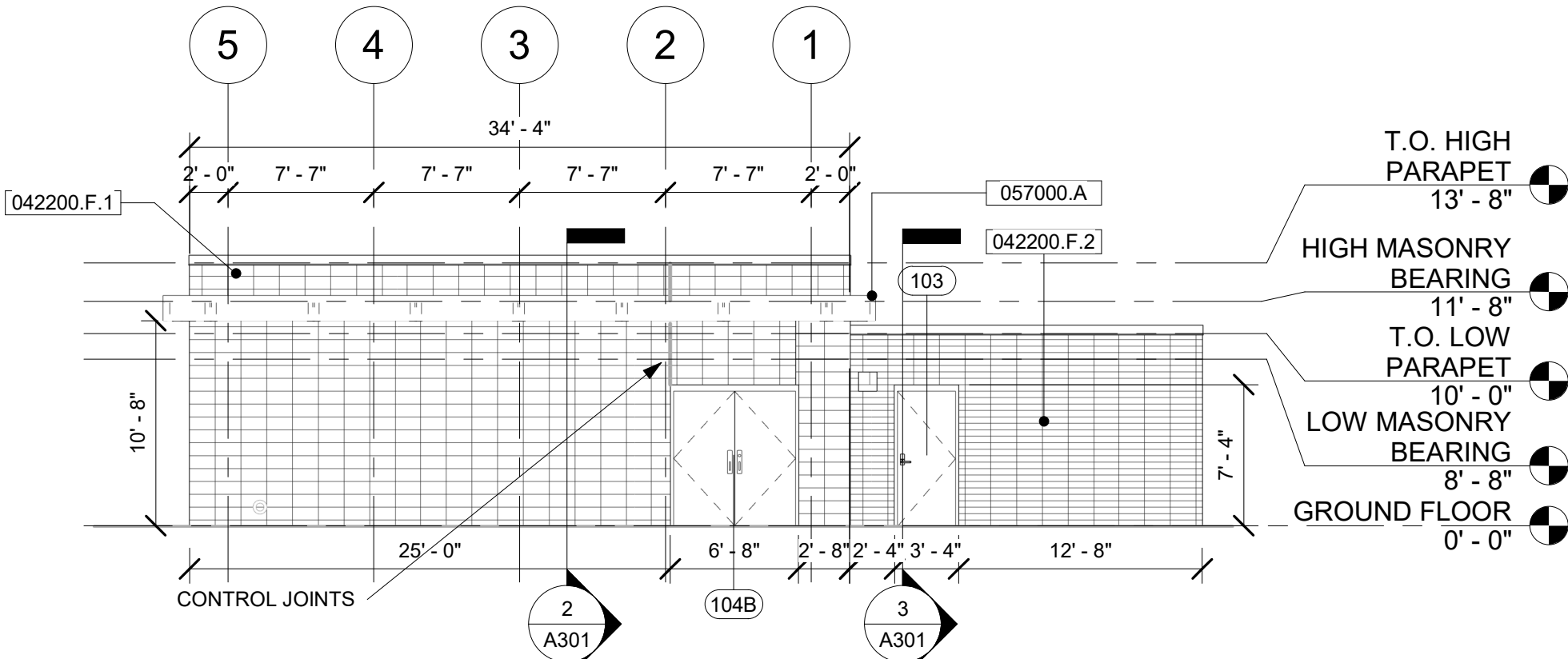
Designed By: \_\_\_\_\_ Date: 2022-03-08 Scale: ---



**SOUTH ELEVATION**

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

2  
A020



**NORTH ELEVATION**

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

1  
A020

| KEYNOTE LEGEND |   |
|----------------|---|
| VALUE          | DESCRIPTION                                   |
| 042200.F.1     | 8"X16"X4" GROUND FACE CONCRETE MASONRY VENEER |
| 042200.F.2     | 4"X16"X4" GROUND FACE CONCRETE MASONRY VENEER |
| 057000.A       | HALO WITH LIGHTING                            |

- T.O. HIGH PARAPET 13' - 8"
- HIGH MASONRY BEARING 11' - 8"
- T.O. LOW PARAPET 10' - 0"
- LOW MASONRY BEARING 8' - 8"
- GROUND FLOOR 0' - 0"

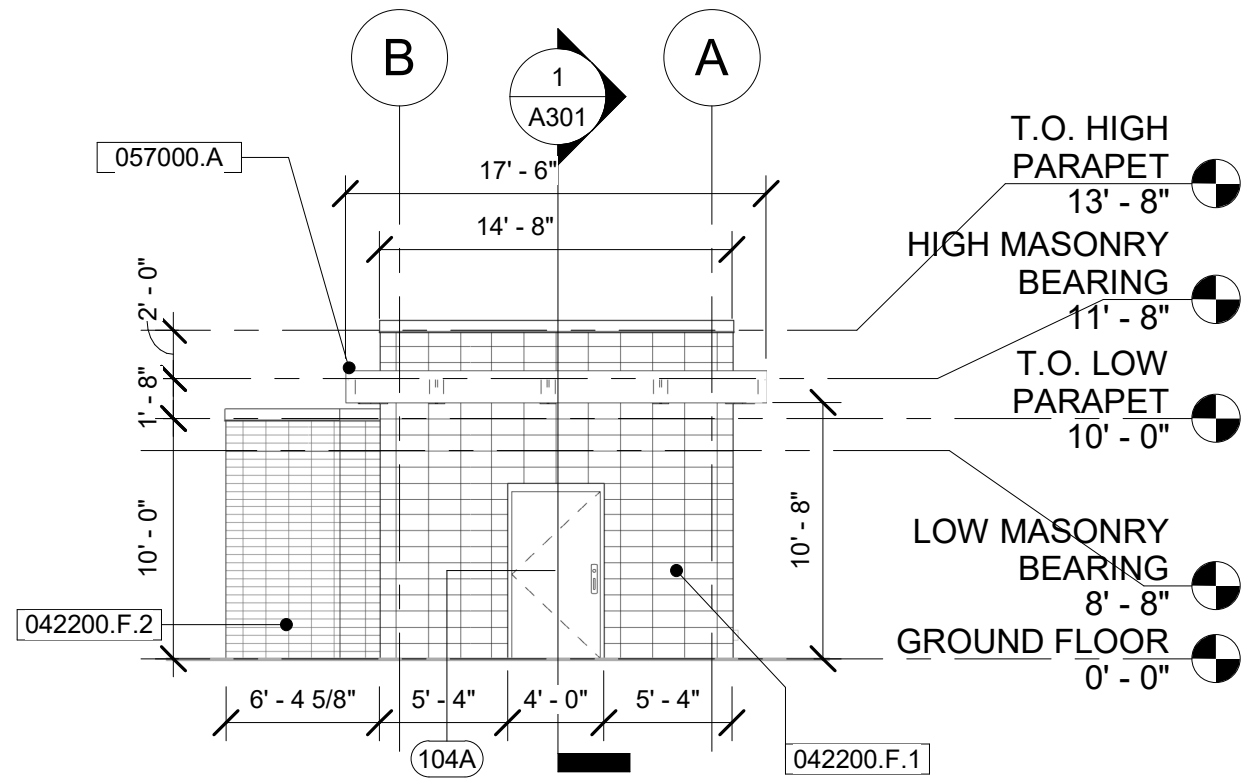
| MARK | REVISION | DATE | BY |
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60631225P  
CITY OF MADISON, DANE COUNTY, WI  
CONTRACT NO: 60631225C

COMFORT STATION EXTERIOR ELEVATIONS  
BUS RAPID TRANSIT  
CITY OF MADISON



A201

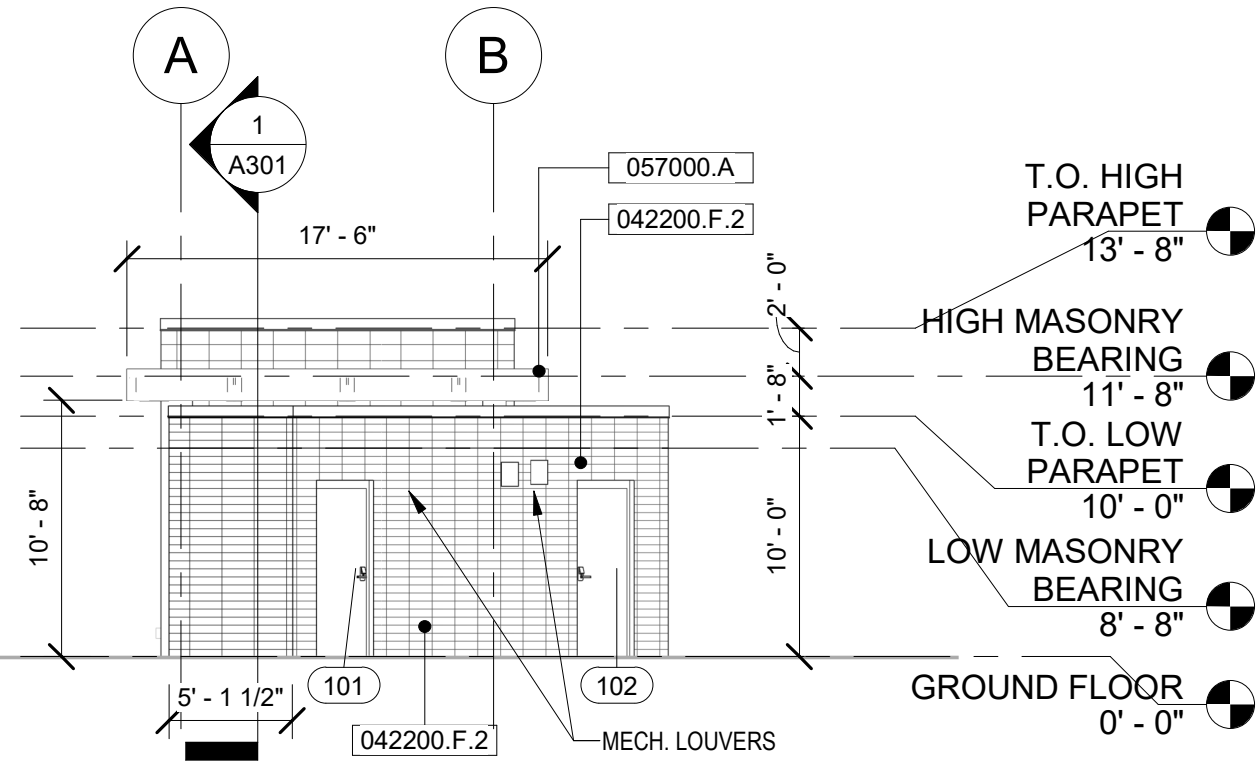


**EAST ELEVATION**

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

2  
A020

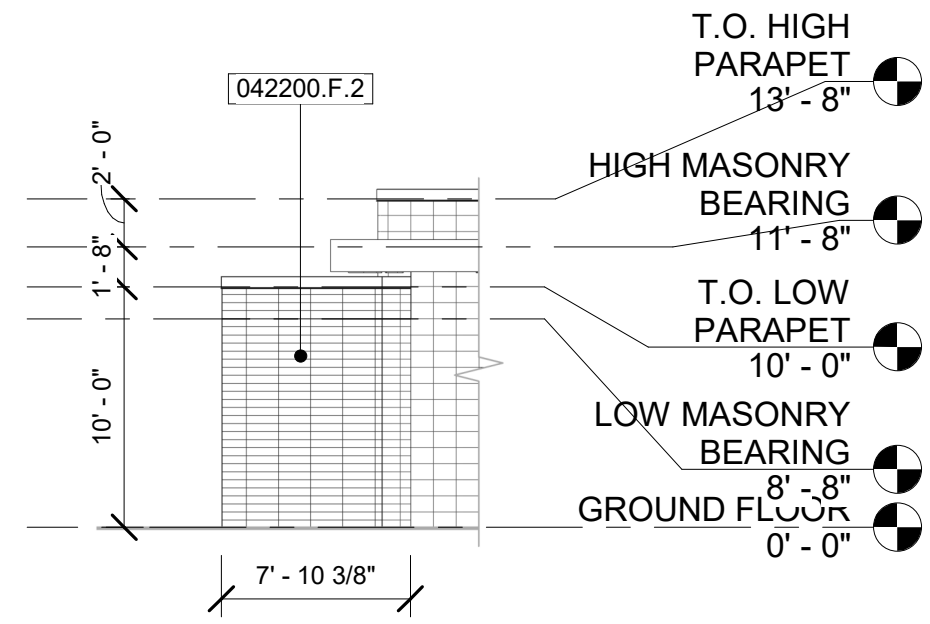
| KEYNOTE LEGEND |   |
|----------------|---|
| VALUE          | DESCRIPTION                                   |
| 042200.F.1     | 8"X16"X4" GROUND FACE CONCRETE MASONRY VENEER |
| 042200.F.2     | 4"X16"X4" GROUND FACE CONCRETE MASONRY VENEER |
| 057000.A       | HALO WITH LIGHTING                            |



**WEST ELEVATION**

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

3  
A020



**SOUTHEAST ELEVATION**

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

1  
A020

| MARK | REVISION | DATE | BY |
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60631225P  
CITY OF MADISON, DANE COUNTY, WI  
CONTRACT NO: 60631225C

COMFORT STATION EXTERIOR ELEVATIONS  
BUS RAPID TRANSIT  
CITY OF MADISON

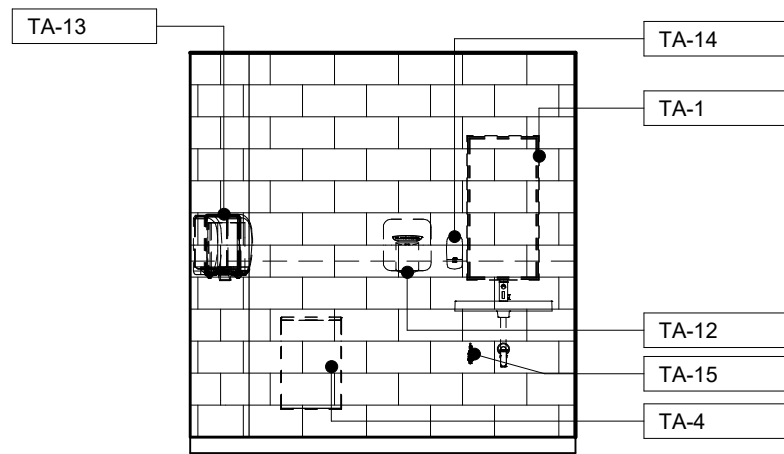


A202



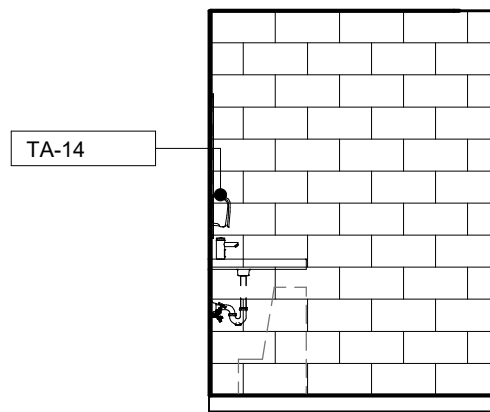
TOILET ACCESSORIES LEGEND

| SYMBOL | DESCRIPTION   | Comments |
|--------|---|----------|
| TA-1   | Bobrick B-2908 1836 Tempered Glass Welded Frame Mirror            |          |
| TA-3   | Bobrick B-221 Classic Series Surface Mounted Seat Cover Dispenser |          |
| TA-4   | Bobrick B-277 Contura Series Surface Mounted Waste Receptacle     |          |
| TA-5   | TrimLineSeries™ Surface-Mounted Sanitary Napkin Disposal          |          |
| TA-7   | Grab Bars   |          |
| TA-10  | Bobrick B-6727 Surface Mounted Double Robe Hook                   |          |
| TA-11  | Tork 3-Roll Bath Tissue Dispenser for OptiCore, Black             |          |
| TA-12  | XLERATOReco Hand Dryer  |          |
| TA-13  | Tork Mechanical Hand Towel Roll Dispenser                         |          |
| TA-14  | Gojo 2740-12 - Soap Dispenser                                     |          |
| TA-15  | 1/2" Hose Union Bib Tap with Double Check Valve                   |          |



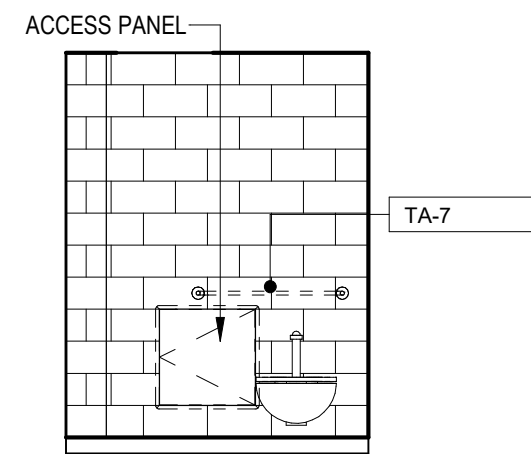
**ELEVATION NORTH - COMFORT 101**

1  
A101A | Scale: 1/4" = 1'-0"



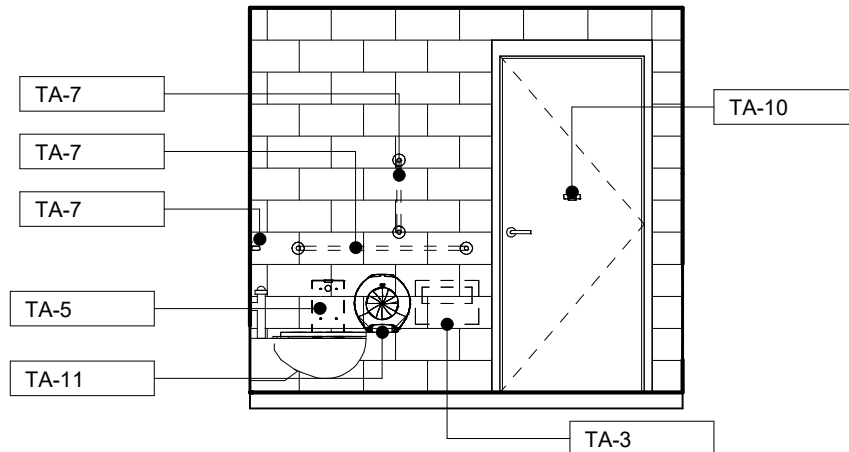
**ELEVATION EAST - COMFORT 101**

2  
A101A | Scale: 1/4" = 1'-0"



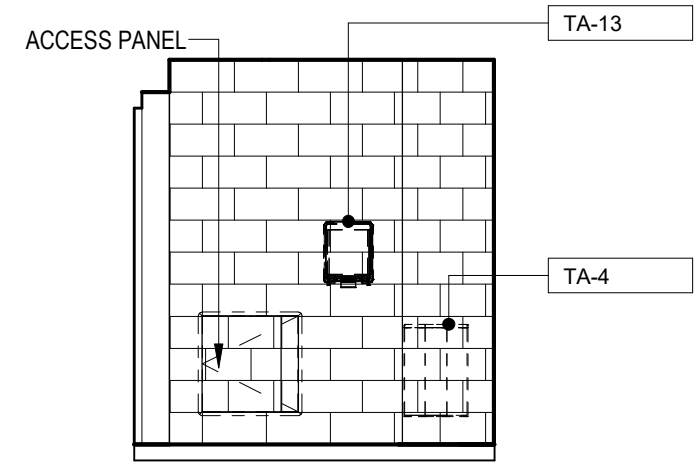
**ELEVATION S/E - COMFORT 101**

3  
A101A | Scale: 1/4" = 1'-0"



**ELEVATION S/W - COMFORT 101**

4  
A101A | Scale: 1/4" = 1'-0"



**ELEVATION N/W - COMFORT 101**

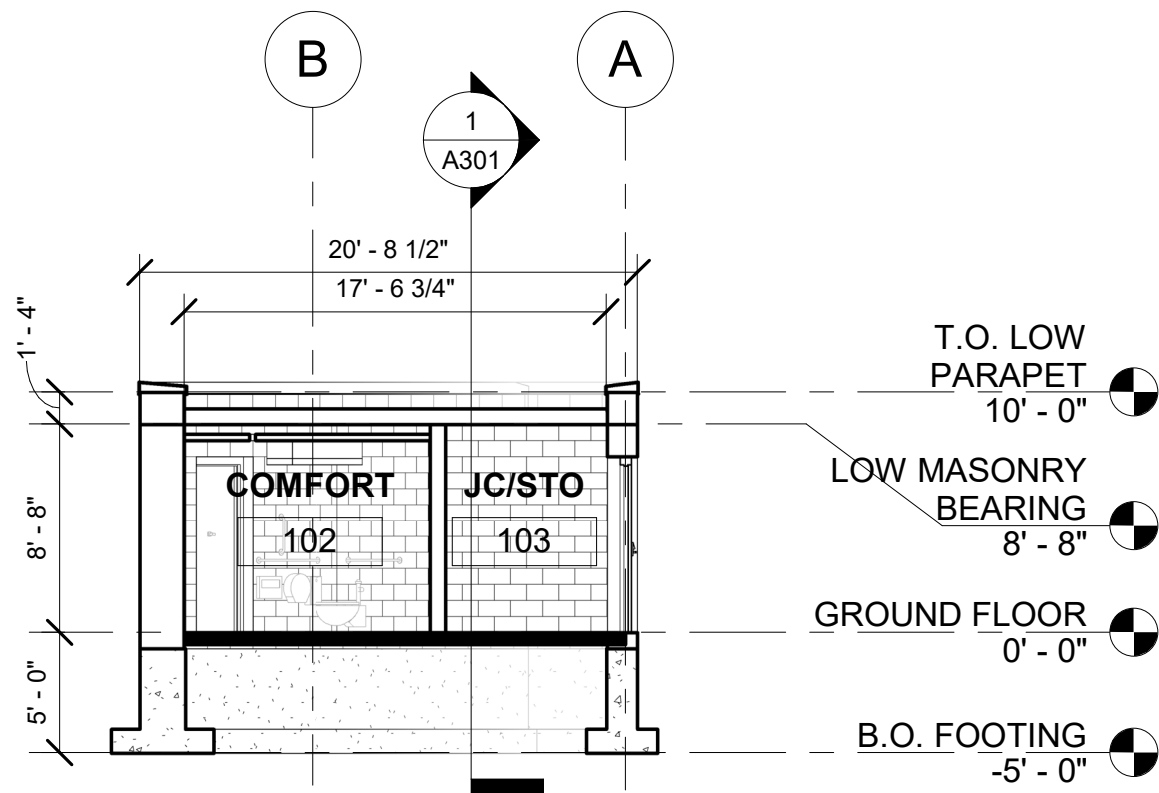
5  
A101A | Scale: 1/4" = 1'-0"

60631225P  
CITY OF MADISON, DANE COUNTY, WI  
CONTRACT NO: 60631225C

COMFORT STATION TYPICAL INTERIOR ELEVATIONS  
BUS RAPID TRANSIT  
CITY OF MADISON



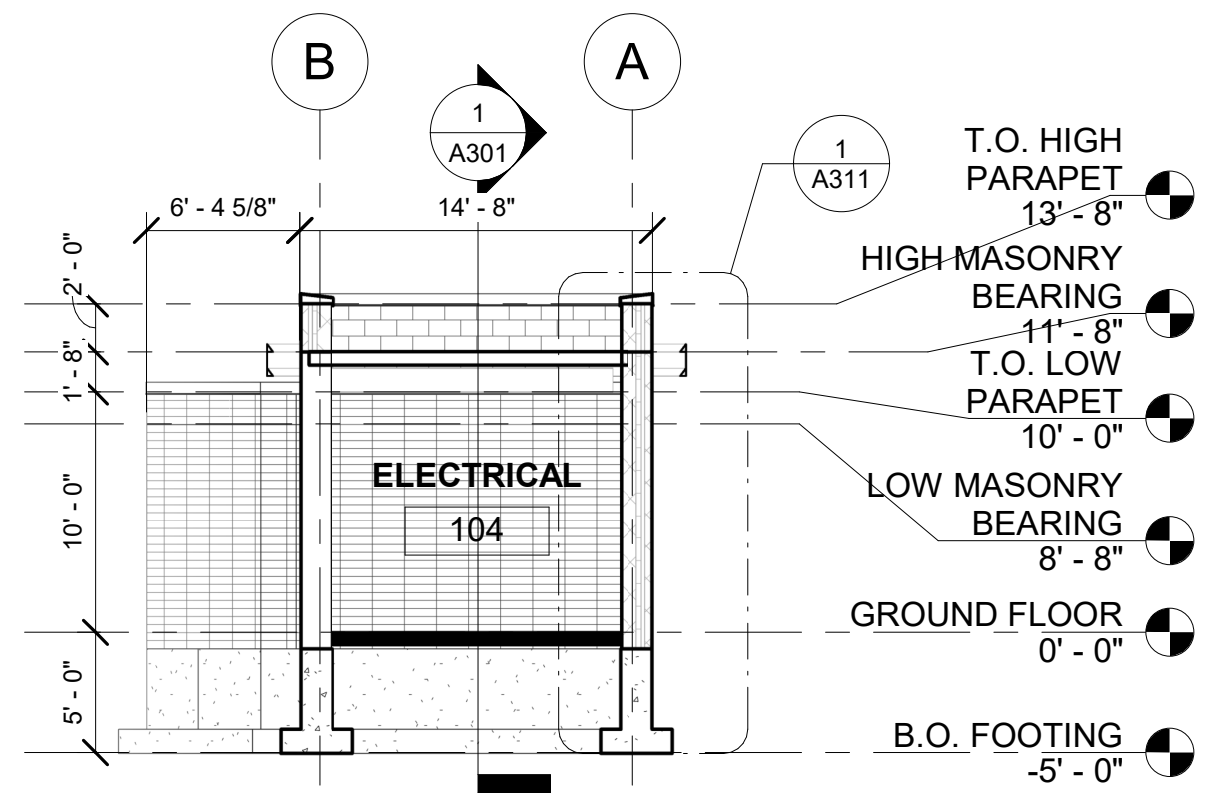
| MARK | REVISION | DATE | BY |
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**3 TRANSVERSE SECTION - COMFORT ROOMS**

3  
A010

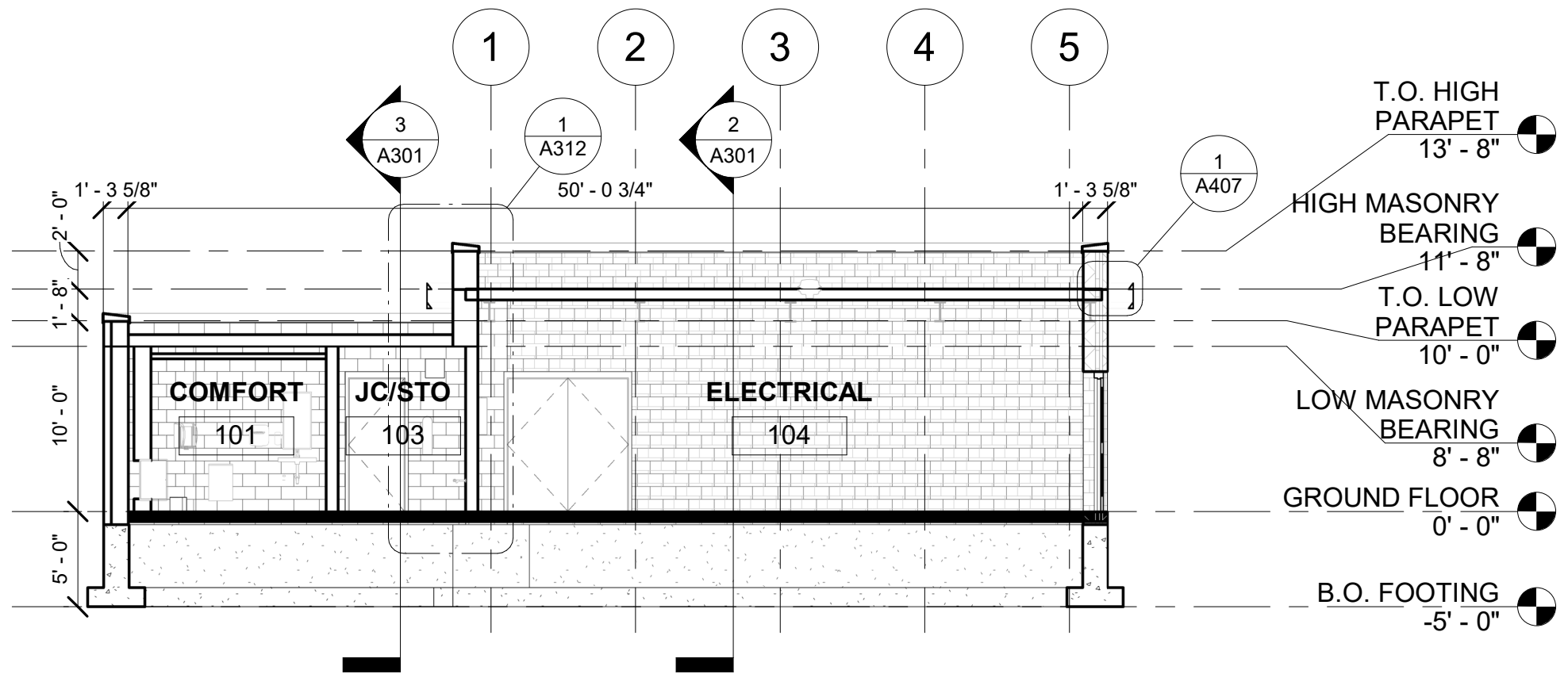
Scale: 1/8" = 1'-0"



**2 TRANSVERSE SECTION - ELECTRICAL ROOM**

2  
A010

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



**1 LONGITUDINAL SECTION**

1  
A010

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

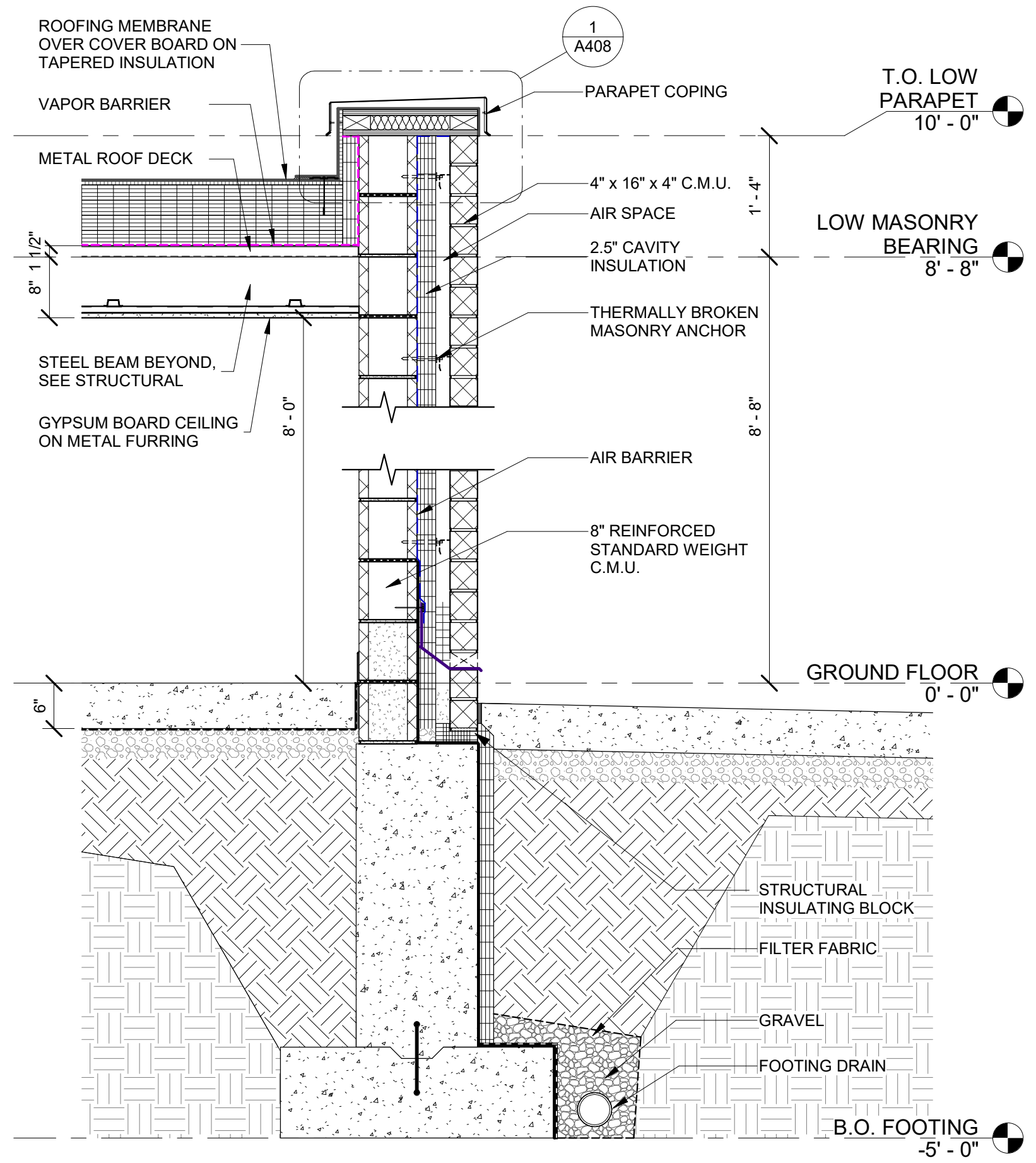
| REVISION | DATE | BY |
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CITY OF MADISON, DANE COUNTY, WI  
CONTRACT NO: 60631225C

COMFORT STATION BUILDING SECTIONS  
BUS RAPID TRANSIT  
CITY OF MADISON



A301



1  
A010

**COMFORT WALL SECTION**

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

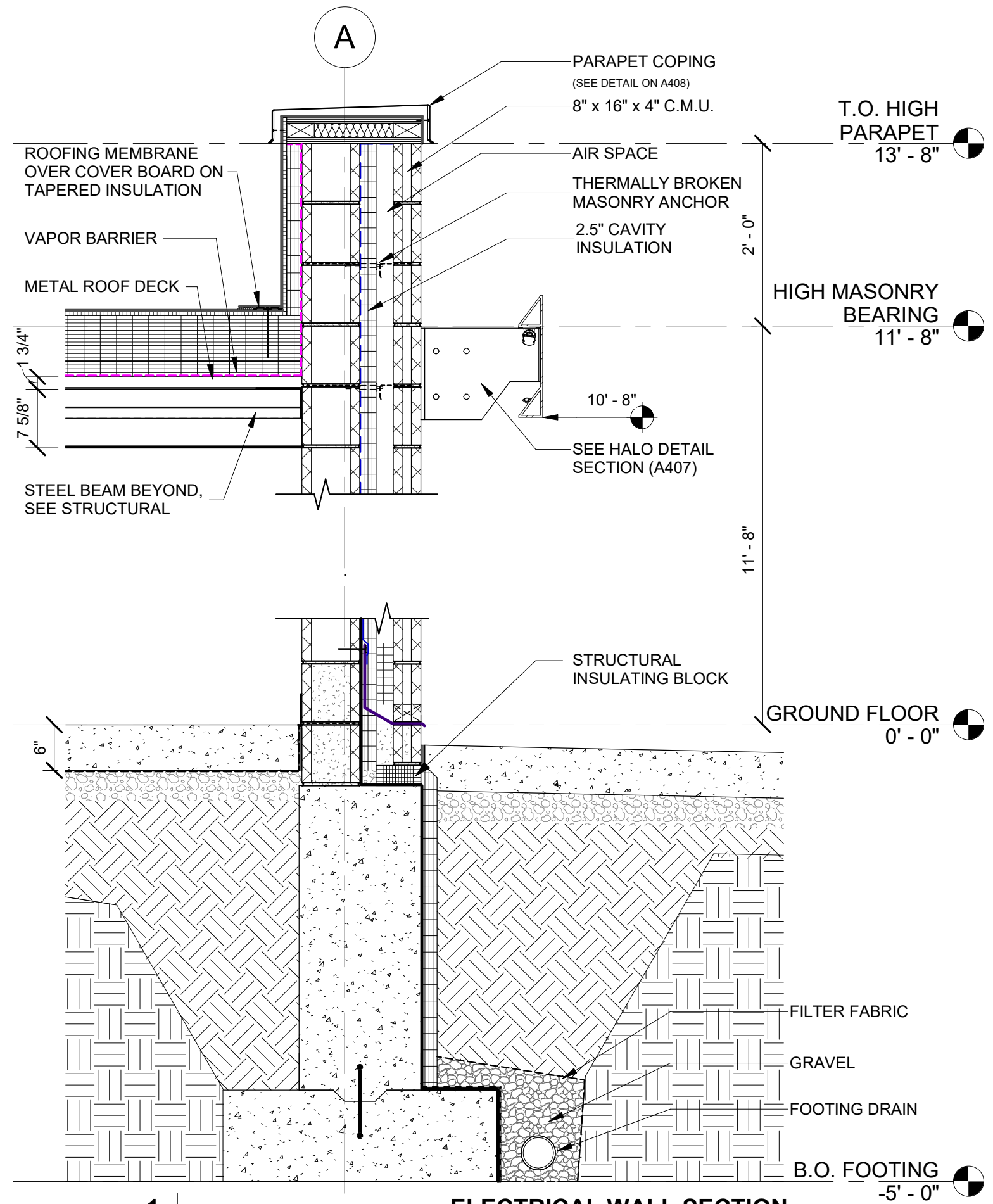
| MARK | REVISION | DATE | BY |
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60631225P  
 CITY OF MADISON, DANE COUNTY, WI  
 CONTRACT NO: 60631225C

COMFORT STATION WALL SECTIONS  
 BUS RAPID TRANSIT  
 CITY OF MADISON



A310



1  
A011

**ELECTRICAL WALL SECTION**

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

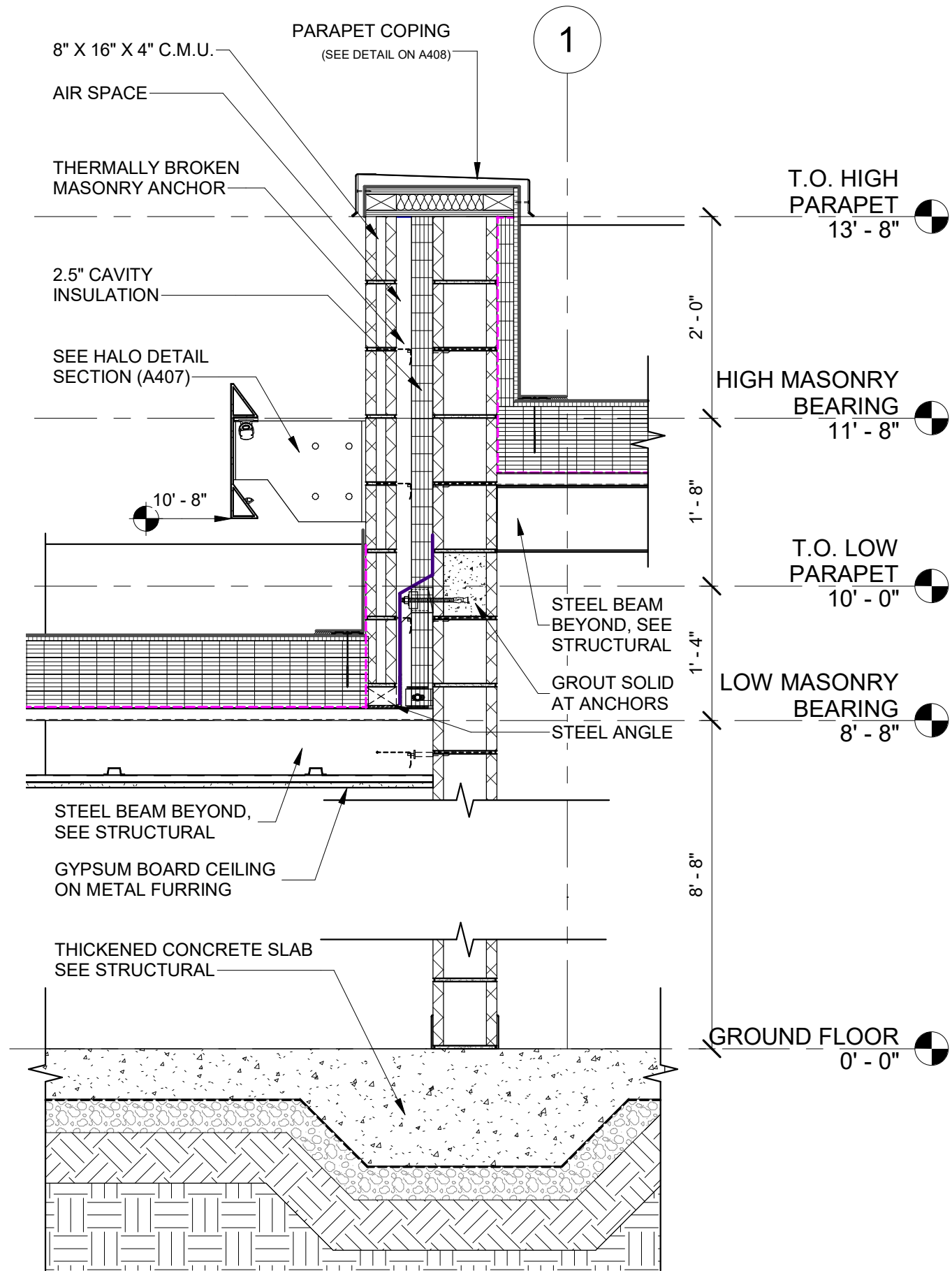
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60631225P  
CITY OF MADISON, DANE COUNTY, WI  
CONTRACT NO: 60631225C

COMFORT STATION WALL SECTIONS  
BUS RAPID TRANSIT  
CITY OF MADISON



A311



**1**  
A301

**WALL PARAPET SECTION**

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

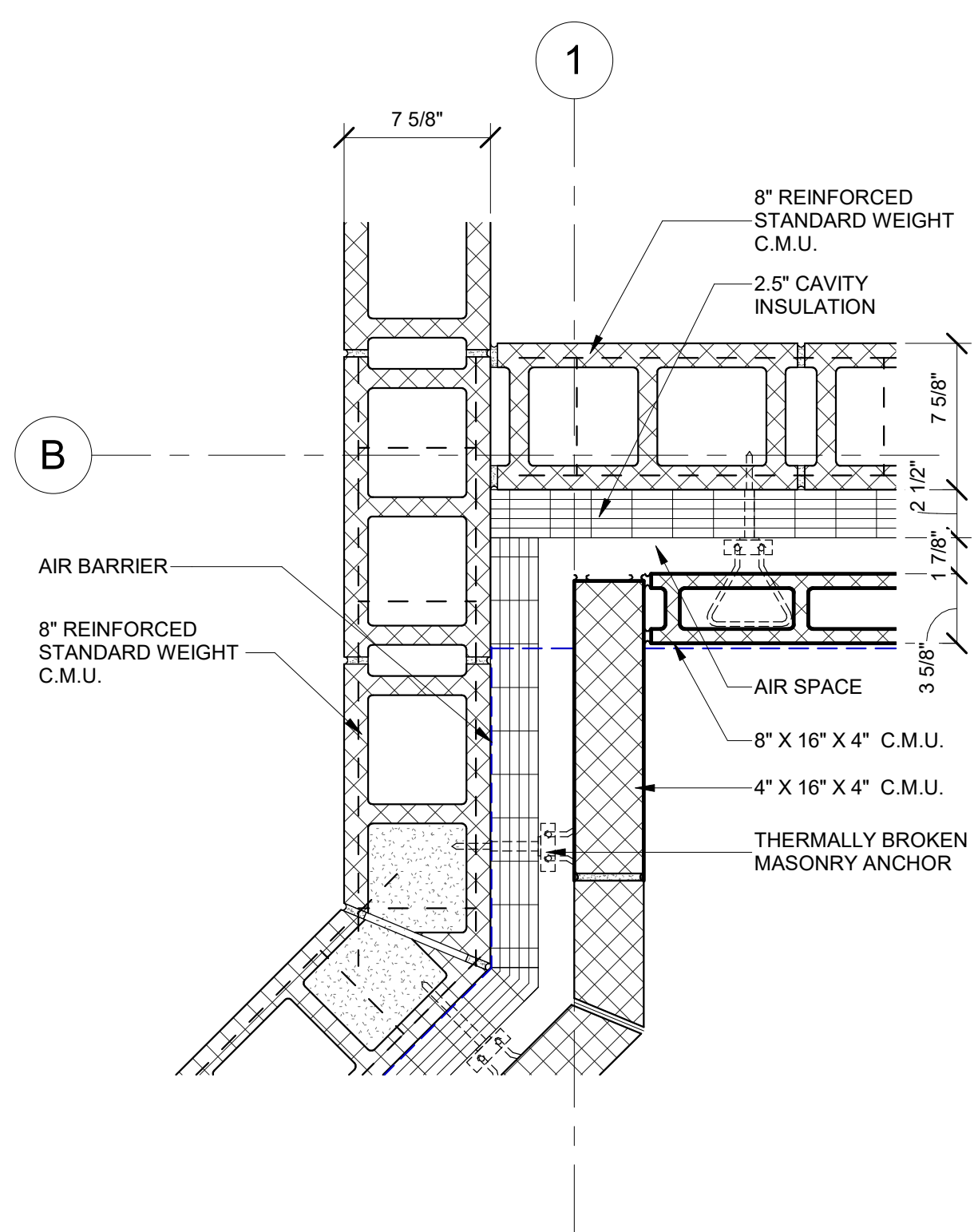
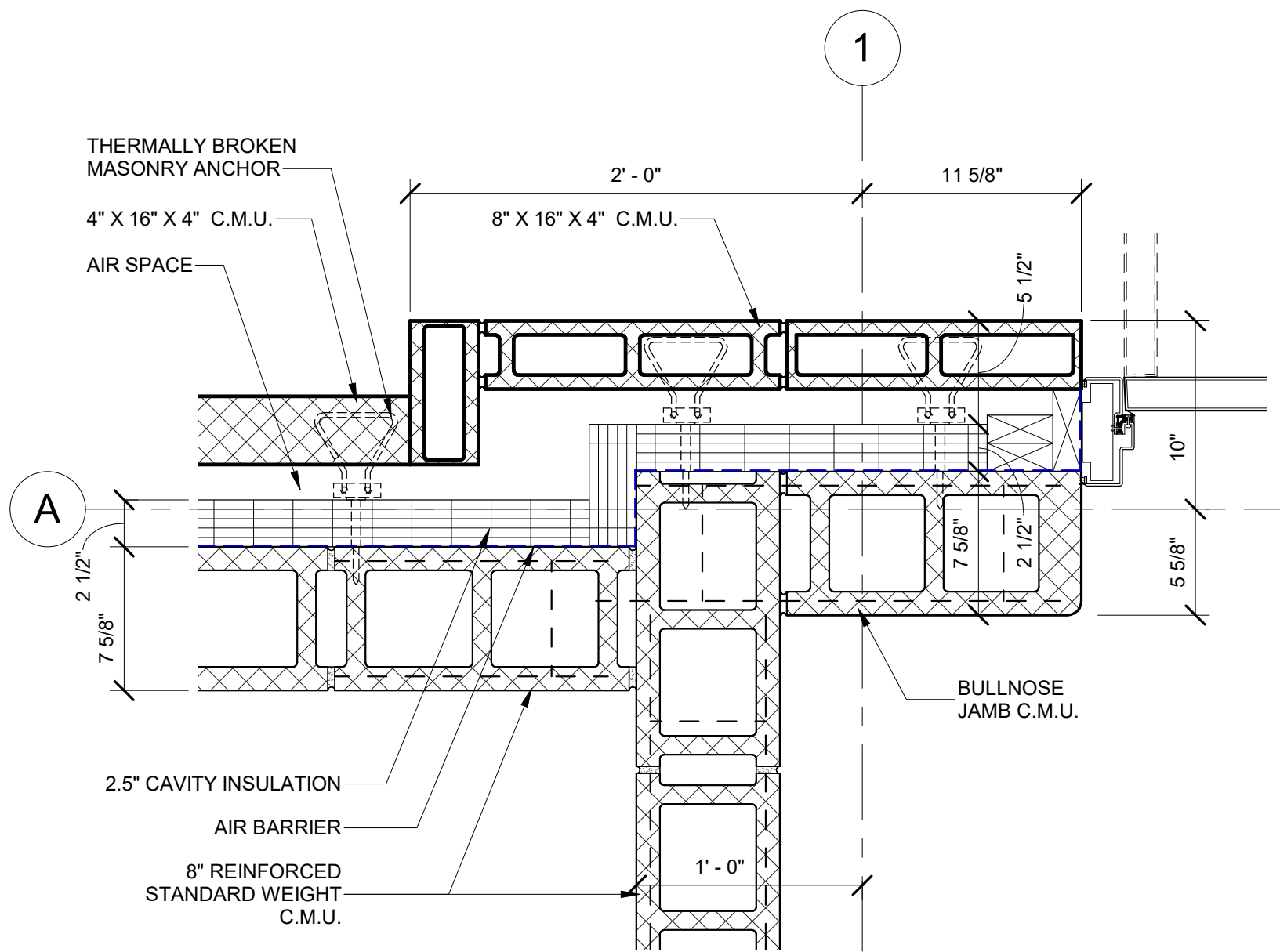
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60631225P  
CITY OF MADISON, DANE COUNTY, WI  
CONTRACT NO: 60631225C

COMFORT STATION WALL SECTIONS  
BUS RAPID TRANSIT  
CITY OF MADISON



A312



2

PLAN DETAIL - MASONRY JUNCTION

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

A101A

1

PLAN DETAIL - MASONRY JUNCTION

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

A101A

| MARK | REVISION | DATE | BY |
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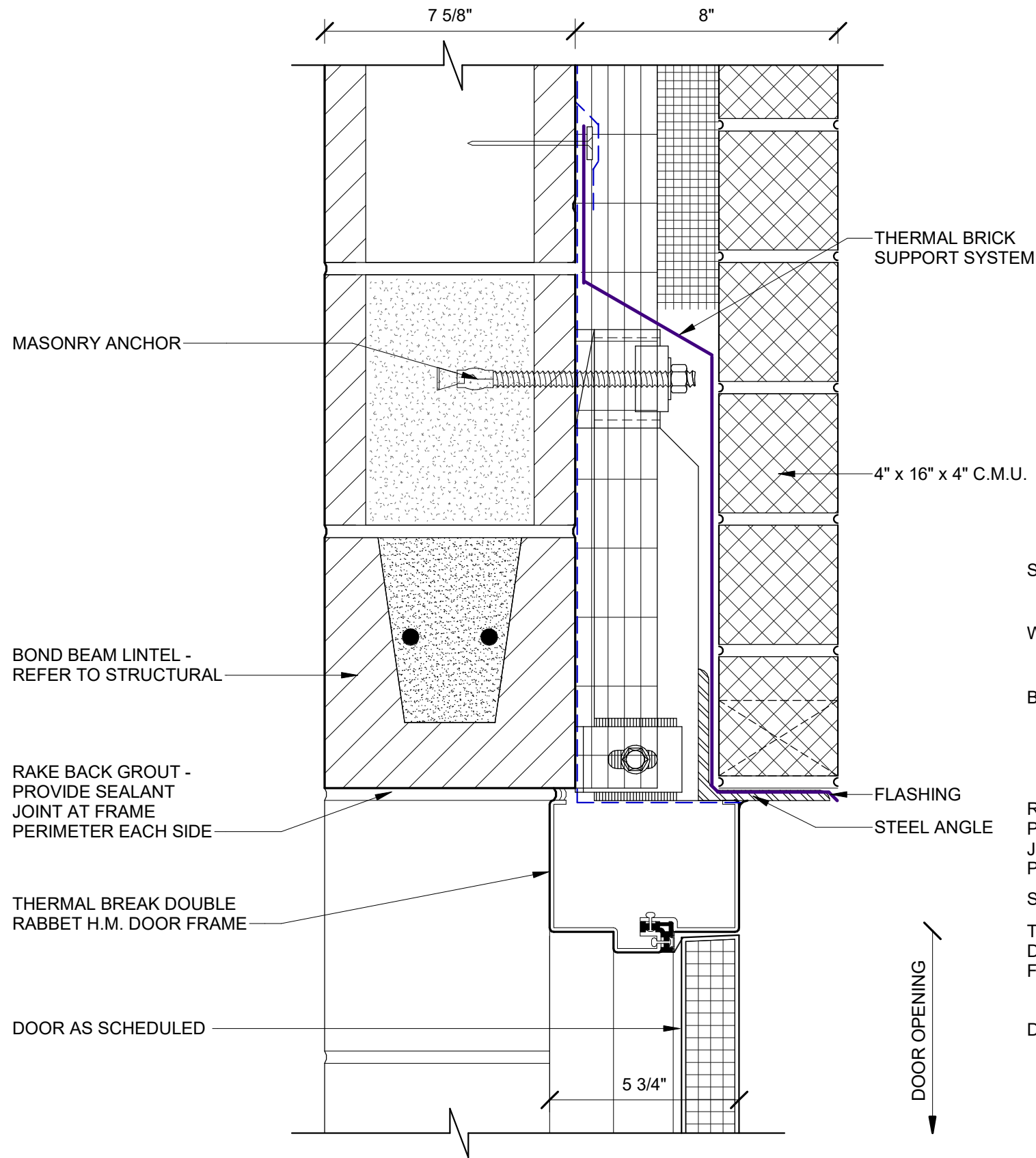
60631225P  
 CITY OF MADISON, DANE COUNTY, WI  
 CONTRACT NO: 60631225C

COMFORT STATION PLAN DETAILS  
 BUS RAPID TRANSIT  
 CITY OF MADISON



A401

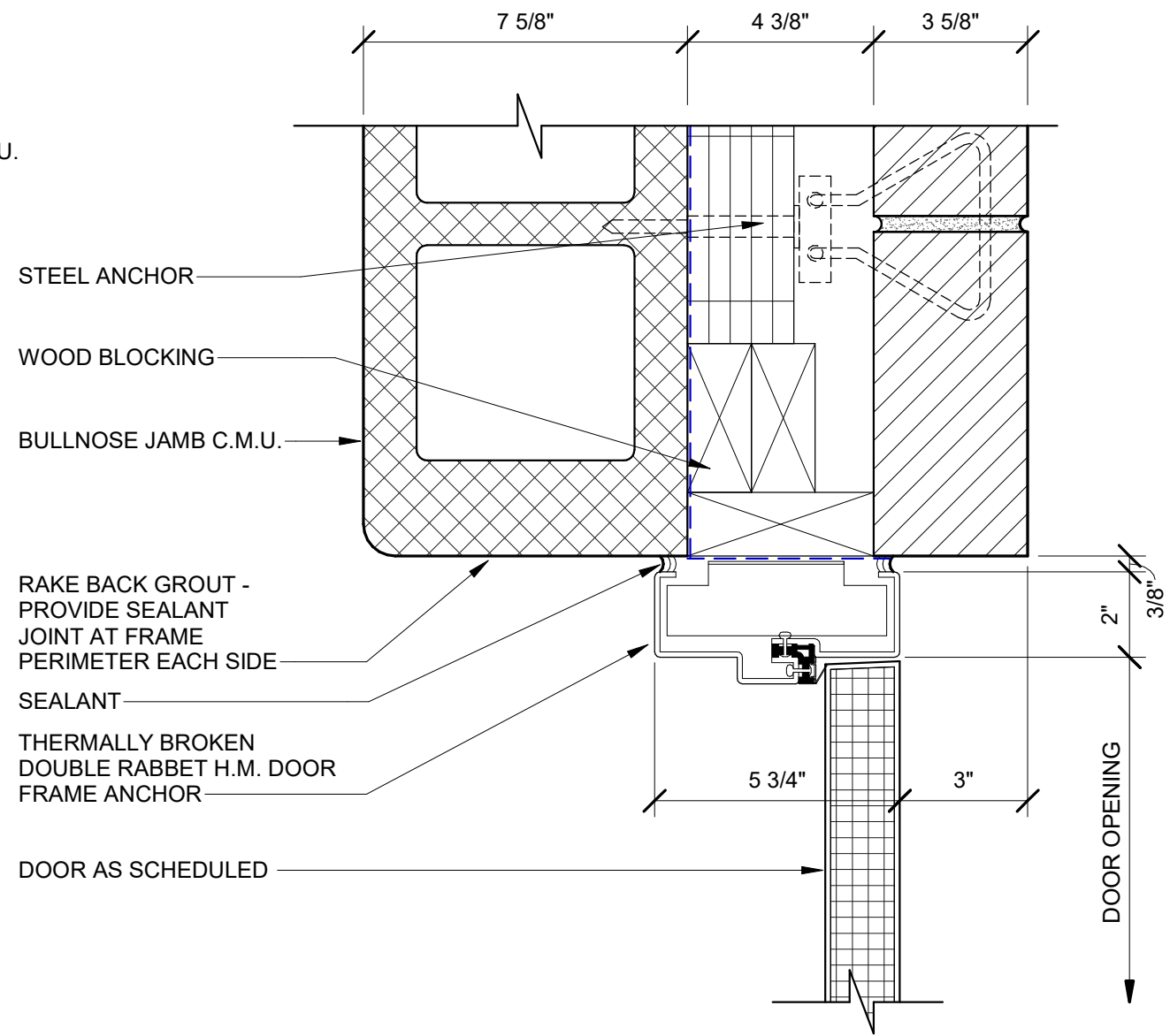




**DOOR HEAD DETAIL**

Scale: 3" = 1'-0"

2



**DOOR JAMB DETAIL**

Scale: 3" = 1'-0"

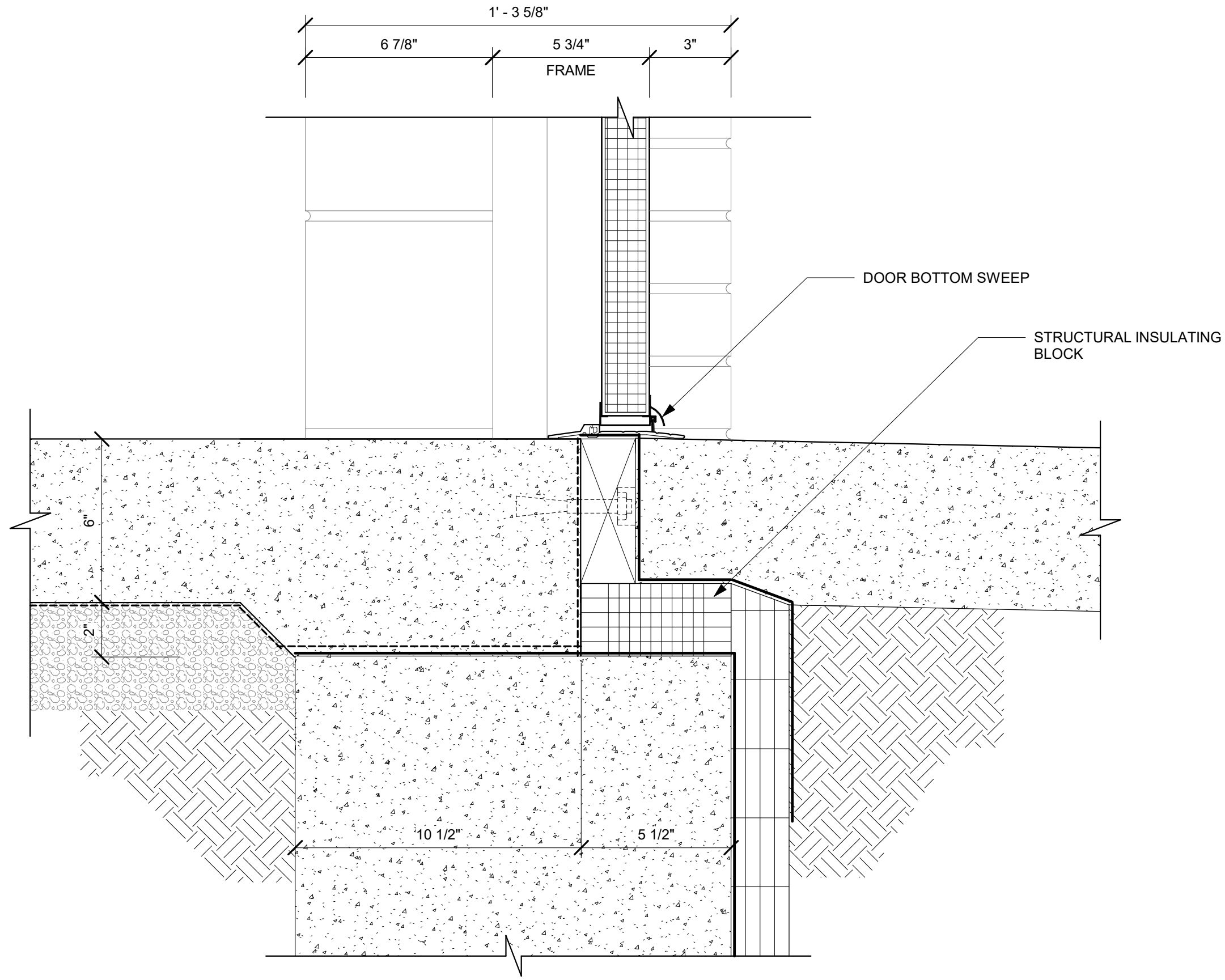
1

| MARK | REVISION | DATE | BY |
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60631225P  
 CITY OF MADISON, DANE COUNTY, WI  
 CONTRACT NO: 60631225C

COMFORT STATION DOOR FRAME DETAILS  
 BUS RAPID TRANSIT  
 CITY OF MADISON





**1**  
A101B

**DOOR SILL DETAIL**

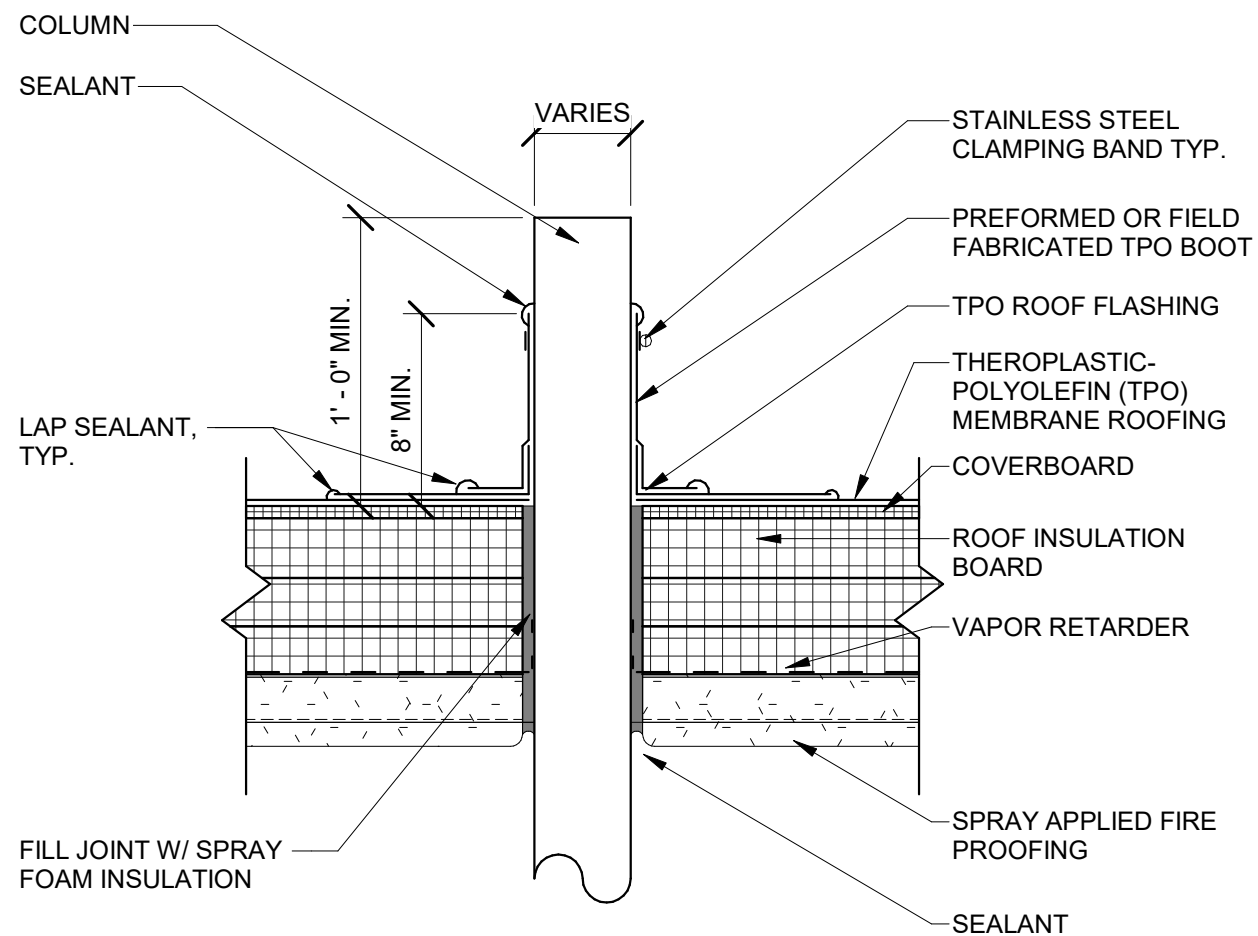
Scale: 3" = 1'-0"

| MARK | REVISION | DATE | BY |
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60631225P  
CITY OF MADISON, DANE COUNTY, WI  
CONTRACT NO: 60631225C

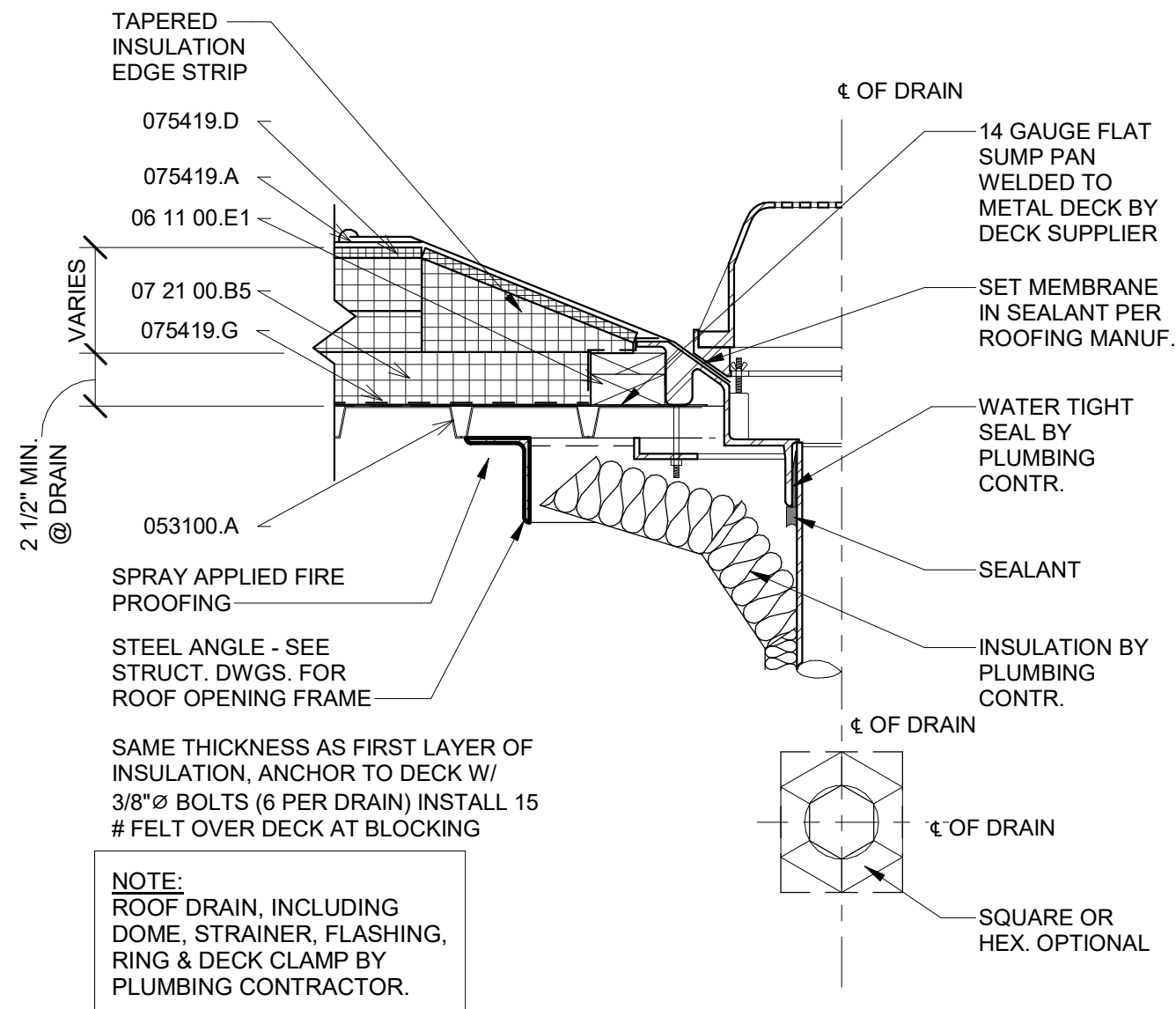
COMFORT STATION DOOR SILL DETAIL  
BUS RAPID TRANSIT  
CITY OF MADISON





### TYPICAL PENETRATION THROUGH ROOF

1 1/2" = 1' 0"



### TYPICAL ROOF DRAIN

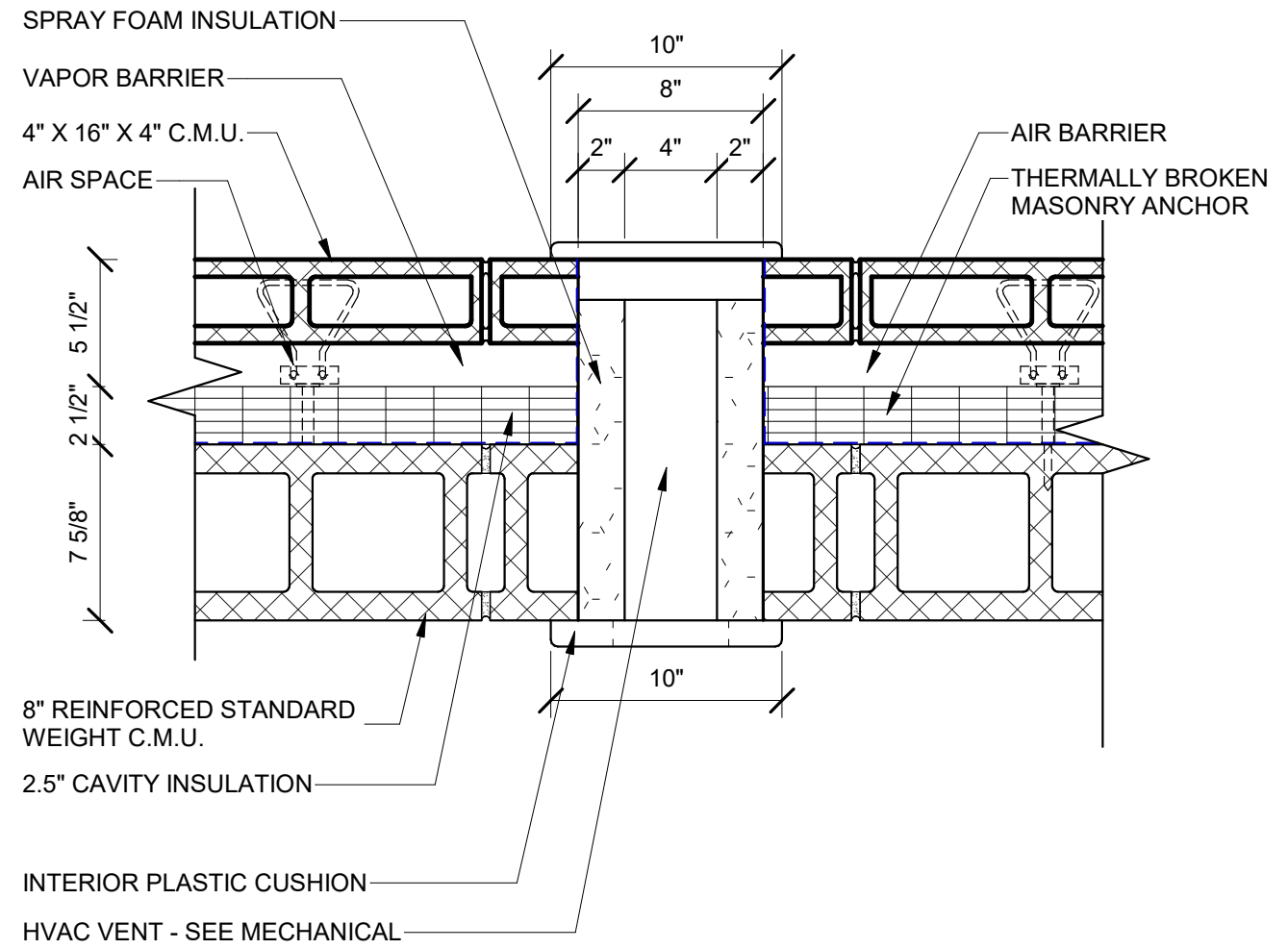
1 1/2" = 1' 0"

| MARK | REVISION | DATE | BY |
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60631225P  
 CITY OF MADISON, DANE COUNTY, WI  
 CONTRACT NO: 60631225C

COMFORT STATION ROOF DETAIL  
 BUS RAPID TRANSIT  
 CITY OF MADISON





1

**HVAC EXTERIOR WALL PENETRATION DETAIL**

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



COMFORT STATION HVAC WALL DETAIL  
 BUS RAPID TRANSIT  
**CITY OF MADISON**

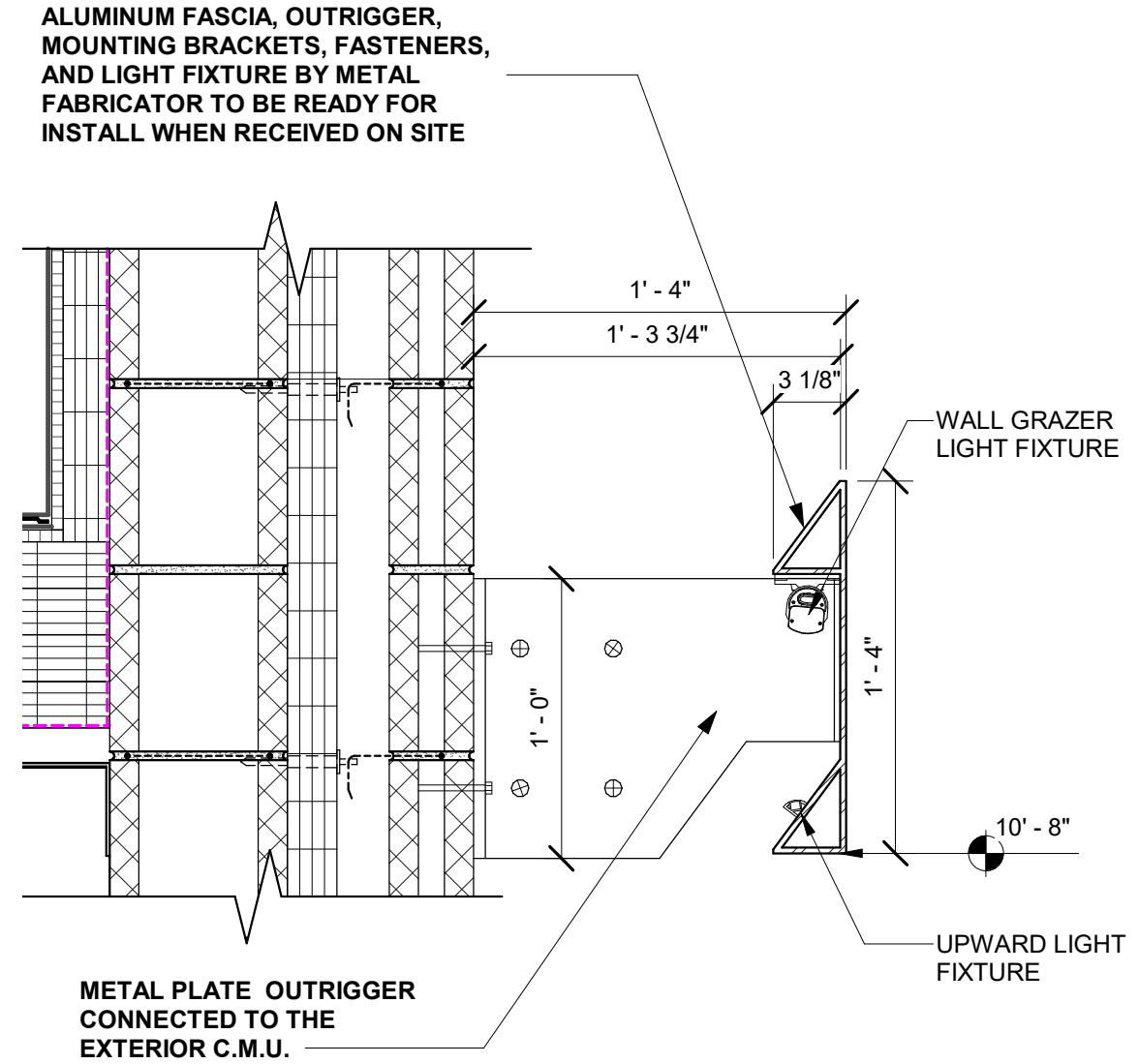
60631225P

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

| MARK | REVISION | DATE | BY |
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Designed By:   
 Date: 2022-03-08   
 Scale: ---

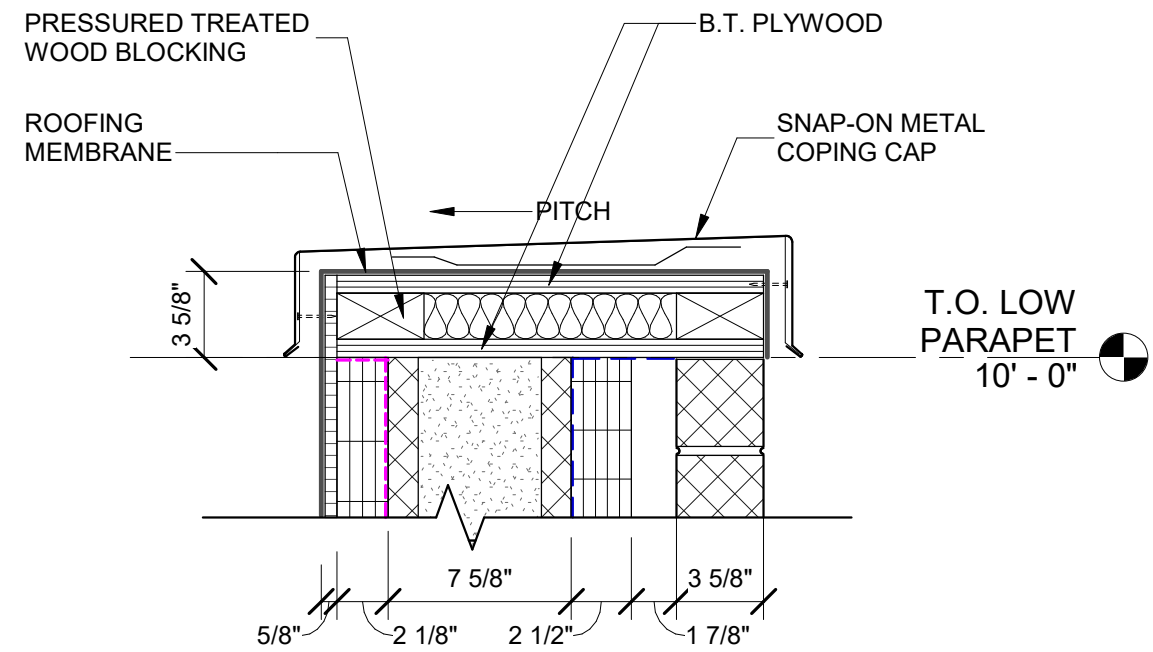


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60631225P  
CITY OF MADISON, DANE COUNTY, WI  
CONTRACT NO: 60631225C

COMFORT STATION HALO DETAIL  
BUS RAPID TRANSIT  
CITY OF MADISON





1  
A310

**PARAPET COPING DETAIL**

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



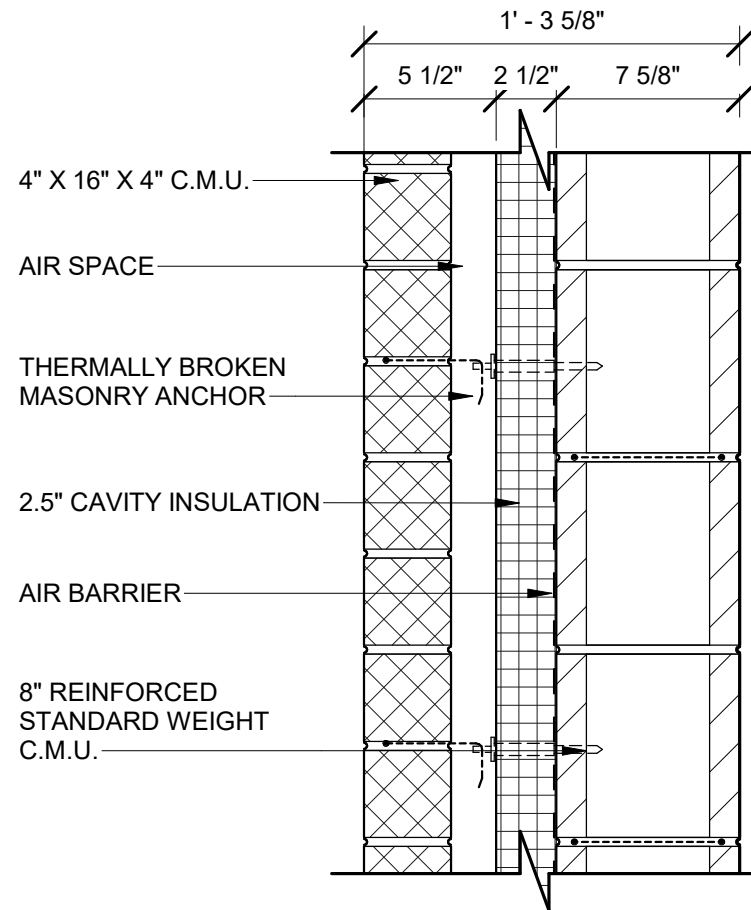
COMFORT STATION PARAPET COPING DETAIL  
 BUS RAPID TRANSIT  
**CITY OF MADISON**

60631225P  
 CITY OF MADISON, DANE COUNTY, WI  
 CONTRACT NO: 60631225C

| MARK | REVISION | DATE | BY |
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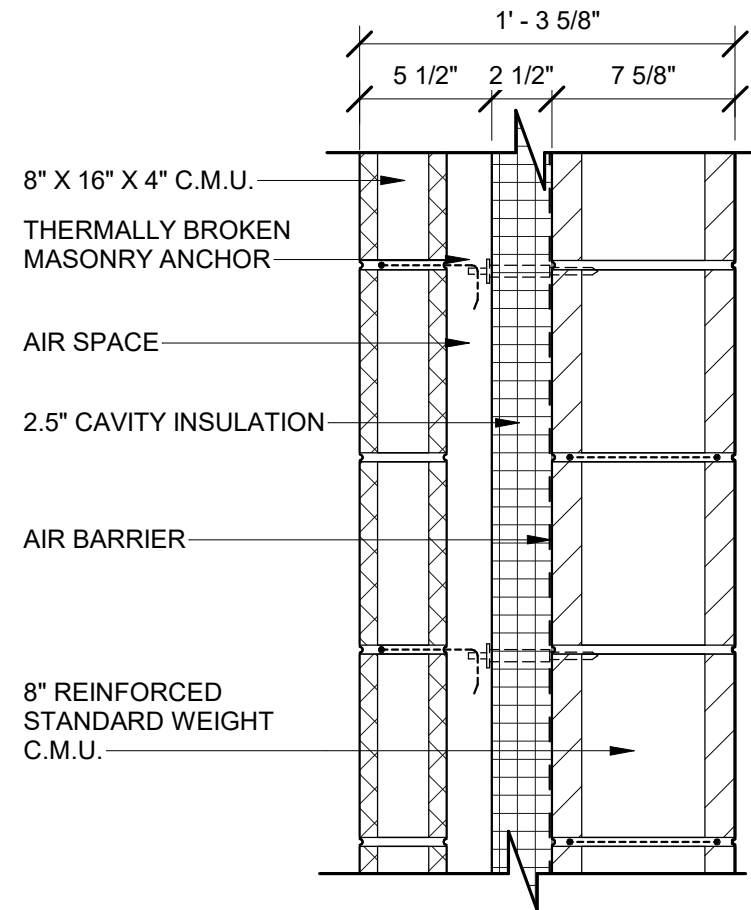
A408





**WALL SYSTEM - WS-2 (COMFORT ROOMS)**

| MATERIAL                  | R-VALUE      |
|---------------------------|--------------|
| OUTSIDE AIR LAYER         | 0.17         |
| 4" X 16" X 4" C.M.U.      | 0.80         |
| AIR SPACE                 | 1.00         |
| 3" CAVITY WALL INSULATION | 12.50        |
| AIR BARRIER               | N/A          |
| 8" C.M.U.                 | 1.10         |
| INSIDE AIR LAYER          | 0.68         |
| <b>TOTAL R-VALUE</b>      | <b>16.25</b> |
| <b>TOTAL U-VALUE</b>      | <b>0.062</b> |



**WALL SYSTEM - WS-1 (ELECTRICAL ROOM)**

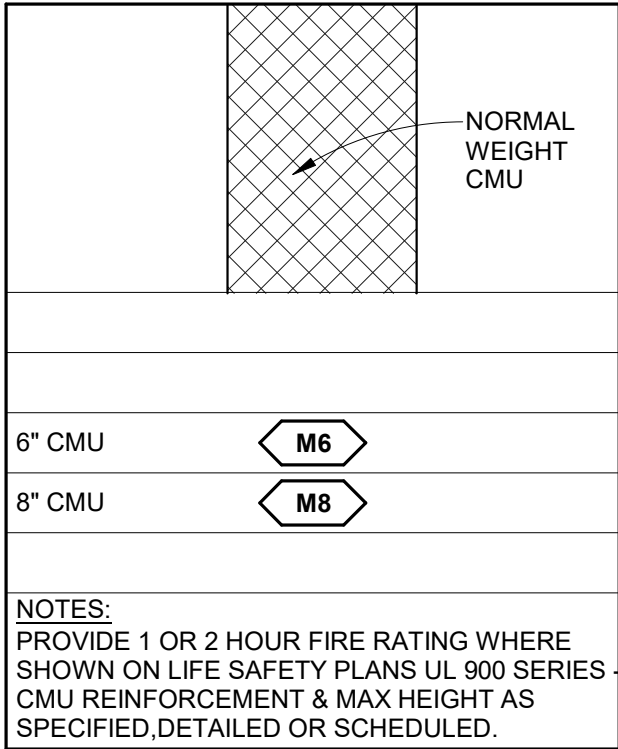
| MATERIAL                      | R-VALUE      |
|-------------------------------|--------------|
| OUTSIDE AIR LAYER             | 0.17         |
| 8" X 16" X 4" STANDARD C.M.U. | 0.80         |
| AIR SPACE                     | 1.00         |
| 3" CAVITY WALL INSULATION     | 12.50        |
| AIR BARRIER                   | N/A          |
| 8" C.M.U.                     | 1.10         |
| INSIDE AIR LAYER              | 0.68         |
| <b>TOTAL R-VALUE</b>          | <b>16.25</b> |
| <b>TOTAL U-VALUE</b>          | <b>0.062</b> |

| MARK | REVISION | DATE | BY |
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60631225P  
 CITY OF MADISON, DANE COUNTY, WI  
 CONTRACT NO: 60631225C

COMFORT STATION EXTERIOR WALL SYSTEMS  
 BUS RAPID TRANSIT  
 CITY OF MADISON





**Partition Type Key:**

- PARTITION CONSTRUCTION / BASE PARTITION TYPES**
- FURRING/STUD/CMU SIZE**  
 NONEDIRECT APPLIED  
 0 7/8"  
 1 1 5/8"  
 2 2 1/2"  
 3 3 5/8"  
 4 4"  
 6 6"  
 8 8"
- REQUIRED WALL RATING OR SPECIAL FEATURE - WHEN INDICATED**  
 SEE LIFE SAFETY DRAWINGS FOR COMPLETE RATING DESIGNATIONS  
 N NON-FULL HEIGHT WHEN SHOWN
- \* = SPECIALTY FINISH (WHEN INDICATED)**  
 SEE FINISH SCHEDULE ON SHEET AF050 FOR ADDITIONAL INFORMATION

**WALL RATING DESIGNATION LIST:**

- Nxx NON-FULL HEIGHT PARTITION - XX - HEIGHT OF WALL IN INCHES
- AR PROVIDE TYPE X ABUSE RESISTANT GYSUM BOARD IN LIEU OF STANDARD TYPE X ON ANTI-LIGATURE SIDE OF ROOM
- 1FB 1 HR RATED FIRE BARRIER
- 2FB 2 HR RATED FIRE BARRIER
- 1FP 1 HR RATED FIRE PARTITION

SEE LIFE SAFETY DRAWINGS FOR COMPLETE RATING DESIGNATIONS INFORMATION AS WELL AS SMOKE PARTITION LOCATIONS.

**NOTES:**  
 PROVIDE 1 OR 2 HOUR FIRE RATING WHERE SHOWN ON LIFE SAFETY PLANS UL 900 SERIES CMU REINFORCEMENT & MAX HEIGHT AS SPECIFIED, DETAILED OR SCHEDULED.

**PARTITION TYPE NOTES:**

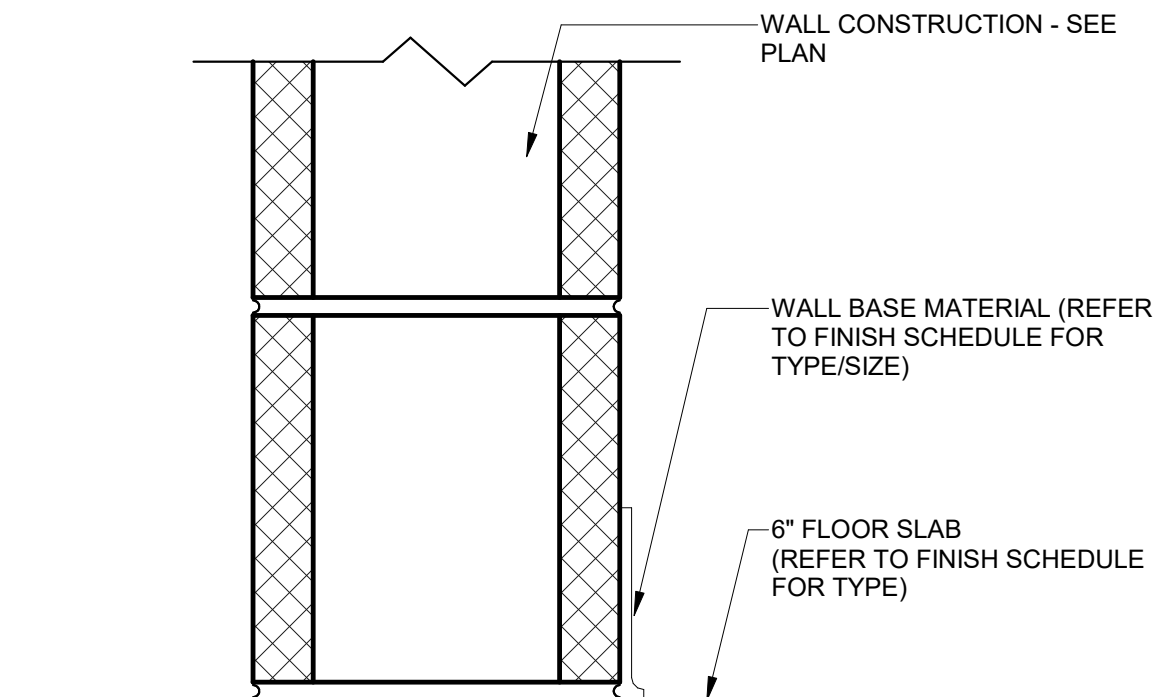
1. SEE PLAN FOR PARTITION TYPES.
2. SEE LIFE SAFETY PLANS FOR FIRE/SMOKE RATING AND/OR HEIGHTS OF PARTITIONS.
3. FULL HEIGHT PARTITIONS SHALL EXTEND FROM THE FLOOR TO THE UNDERSIDE OF THE STRUCTURE ABOVE. PROVIDE DEFLECTION CONNECTION PER DETAIL ON THIS SHEET.
4. MAINTAIN CONTINUITY OF HIGHER RATED PARTITIONS AT INTERSECTION WITH NON-RATED OR LESSER RATED PARTITIONS.
5. AT NON-RATED PARTITIONS MAINTAIN CONTINUITY OF HIGHER STC RATED PARTITIONS AT INTERSECTION WITH LESSER STC RATED PARTITIONS.
6. DIMENSIONING OF PARTITIONS ON THE FLOOR PLANS IS TO THE FACE OF PARTITION TYPE EXCLUSIVE OF ANY FINISH THICKNESS UNLESS INCLUDED IN PARTITION TYPE.

| MARK | REVISION | DATE | BY |
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60631225P  
 CITY OF MADISON, DANE COUNTY, WI  
 CONTRACT NO: 60631225C

COMFORT STATION INTERIOR PARTITION TYPES  
 BUS RAPID TRANSIT  
 CITY OF MADISON

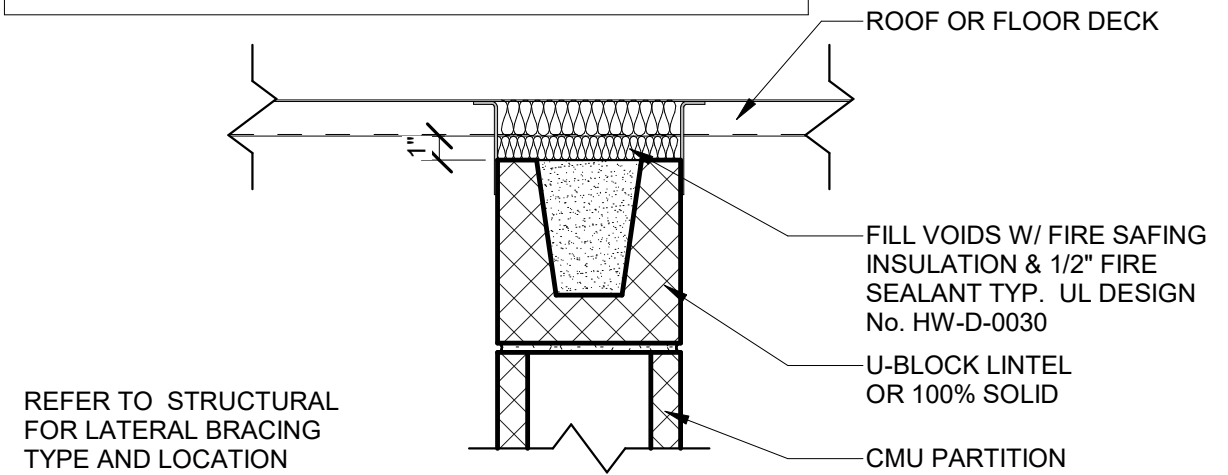




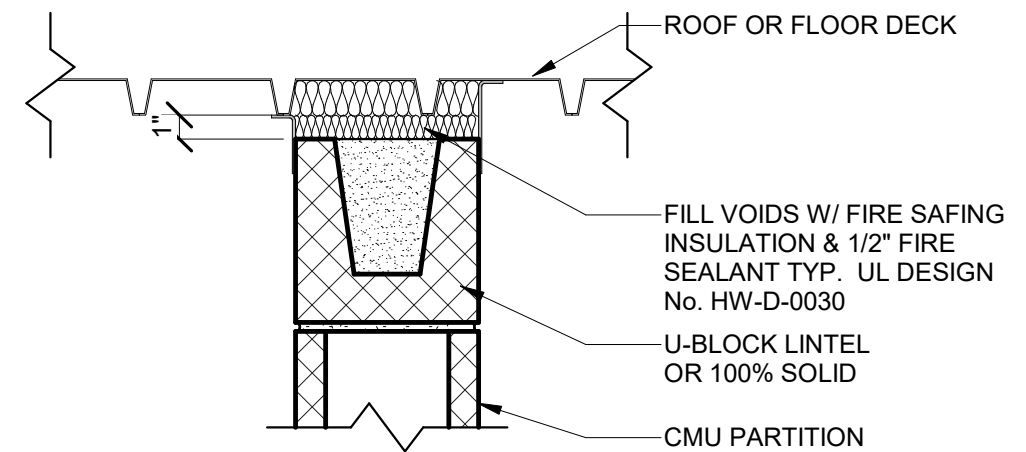
**TYPICAL STUD PARTITION BASE**

NOT TO SCALE

**NOTE:**  
 FOR NON-FIRE RATED WALLS, SOUND ATTENUATION BATTES MAY BE SUBSTITUTED FOR FIRE SAFING INSULATION, AND NO FIRE SEALANT IS REQUIRED. SEE ARCH. PLANS FOR LOCATIONS OF RATED WALLS.



REFER TO STRUCTURAL FOR LATERAL BRACING TYPE AND LOCATION



**NON-BEARING MASONRY PARTITION AT DECK**

NOT TO SCALE

| MARK | REVISION | DATE | BY |
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60631225P  
 CITY OF MADISON, DANE COUNTY, WI  
 CONTRACT NO: 60631225C

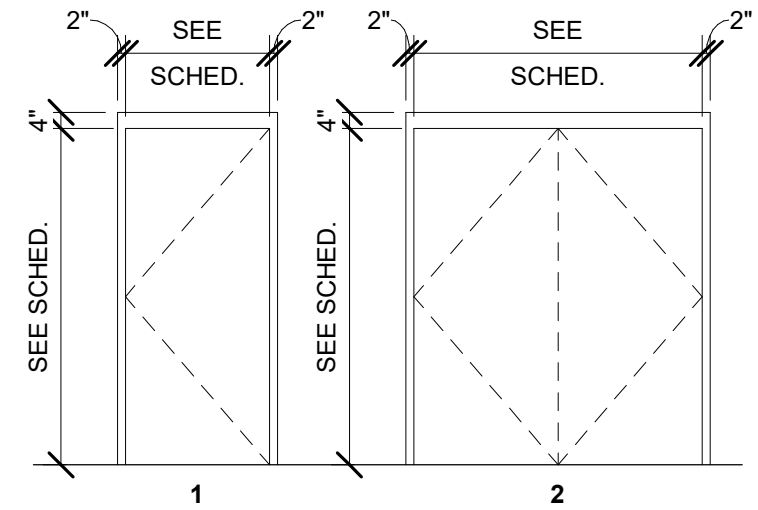
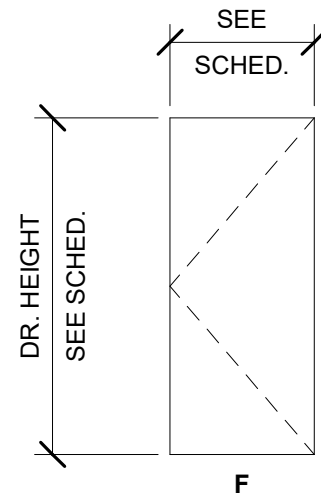
COMFORT STATION INTERIOR PARTITION DETAILS  
 BUS RAPID TRANSIT  
 CITY OF MADISON



## DOOR SCHEDULE

| MARK | ROOM NAME  | DOOR |         |         |             |          | FRAME |          |        | RATING | HDW SET | DETAILS |        |        | COMMENTS                             |
|------|------------|------|---------|---------|-------------|----------|-------|----------|--------|--------|---------|---------|--------|--------|--------------------------------------|
|      |            | TYPE | SIZE    |         |             | MATERIAL | TYPE  | MATERIAL | FINISH |        |         | HEAD    | JAMB   | SILL   |                                      |
|      |            |      | WIDTH   | HEIGHT  | THICKNESS   |          |       |          |        |        |         |         |        |        |                                      |
| 101  | COMFORT    | F    | 3' - 0" | 7' - 0" | 0' - 1 3/4" | HM       | 1     | HM       | PT-3   | -      | 01      | 2/A402  | 1/A402 | 1/A403 | INSULATED AND THERMALLY BROKEN DOORS |
| 102  | COMFORT    | F    | 3' - 0" | 7' - 0" | 0' - 1 3/4" | HM       | 1     | HM       | PT-3   | -      | 01      | 2/A402  | 1/A402 | 1/A403 | INSULATED AND THERMALLY BROKEN DOORS |
| 103  | JC/STO     | F    | 3' - 0" | 7' - 0" | 0' - 1 3/4" | HM       | 1     | HM       | PT-3   | -      | 02      | 2/A402  | 1/A402 | 1/A403 | INSULATED AND THERMALLY BROKEN DOORS |
| 104A | ELECTRICAL | F    | 3' - 8" | 7' - 0" | 0' - 1 3/4" | HM       | 1     | HM       | PT-3   |        | 03      | 2/A402  | 1/A402 | 1/A403 | INSULATED AND THERMALLY BROKEN DOORS |
| 104B | ELECTRICAL | F    | 6' - 4" | 7' - 0" | 0' - 1 3/4" | HM       | 2     | HM       | PT-3   |        | 04      | 2/A402  | 1/A402 | 1/A403 | INSULATED AND THERMALLY BROKEN DOORS |

DOOR COUNT: 5



### DOOR TYPES LEGEND

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

### FRAME TYPES LEGEND

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

60631225P

COMFORT STATION DOOR SCHEDULE

CITY OF MADISON, DANE COUNTY, WI

BUS RAPID TRANSIT

CONTRACT NO: 60631225C

CITY OF MADISON



|                  |                  |
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| MARK             | REVISION         |
| Date: 2022-03-08 | Date: 2022-03-08 |
| Designed By:     | Scale: ---       |

| ROOM FINISH SCHEDULE |             |            |       |       |      |         |
|----------------------|-------------|------------|-------|-------|------|---------|
| LOCATION             |             |            | FLOOR | BASE  | WALL | CEILING |
| REVISION             | ROOM NUMBER | ROOM NAME  |       |       |      |         |
|                      | 101         | COMFORT    | SC    | CMB-1 | CMU1 | GYP     |
|                      | 102         | COMFORT    | SC    | CMB-1 | CMU1 | GYP     |
|                      | 103         | JC/STO     | SC    | -     | CMU2 | EC      |
|                      | 104         | ELECTRICAL | SC    | -     | CMU2 | EC      |

| ROOM SCHEDULE |            |        |
|---------------|------------|--------|
| NUMBER        | NAME       | AREA   |
| GROUND FLOOR  |            |        |
| 101           | COMFORT    | 67 SF  |
| 102           | COMFORT    | 67 SF  |
| 103           | JC/STO     | 45 SF  |
| 104           | ELECTRICAL | 383 SF |

| FINISH SCHEDULE   |                   |                  |   |       |      |   |
|-------------------|-------------------|------------------|---|-------|------|---|
| FINISH CODE       | DESCRIPTION       | MANUFACTURER     | STYLE/PRODUCT NO.                                       | COLOR | SIZE | REMARKS                                 |
| CERAMIC WALL BASE |                   |                  |   |       |      |   |
| CMB-1             | CERAMIC WALL BASE |                  |   | TBD   |      |   |
| PAINT             |                   |                  |   |       |      |   |
| PT-1              | PAINT             | SHERWIN WILLIAMS | SINGLE-COMPONENT PRECATALYZED WATERBOURNE ACRYLIC EPOXY | TBD   | -    | W/ FILLER OVER CMU                      |
| PT-2              | PAINT             | SHERWIN WILLIAMS | LATEX, NO VOC, SEE GENERAL NOTES FOR PAINT FINISHES     | TBD   | -    | OVER GYP CLG                            |
| PT-3              | PAINT             | SHERWIN WILLIAMS | LATEX, NO VOC, SEE GENERAL NOTES FOR PAINT FINISHES     | TBD   | -    | INTERIOR / EXTERIOR ON HM DOOR & FRAMES |
| SEALED CONCRETE   |                   |                  |   |       |      |   |
| SC                | SEALED CONCRETE   |                  | TBD   | TBD   | -    |   |

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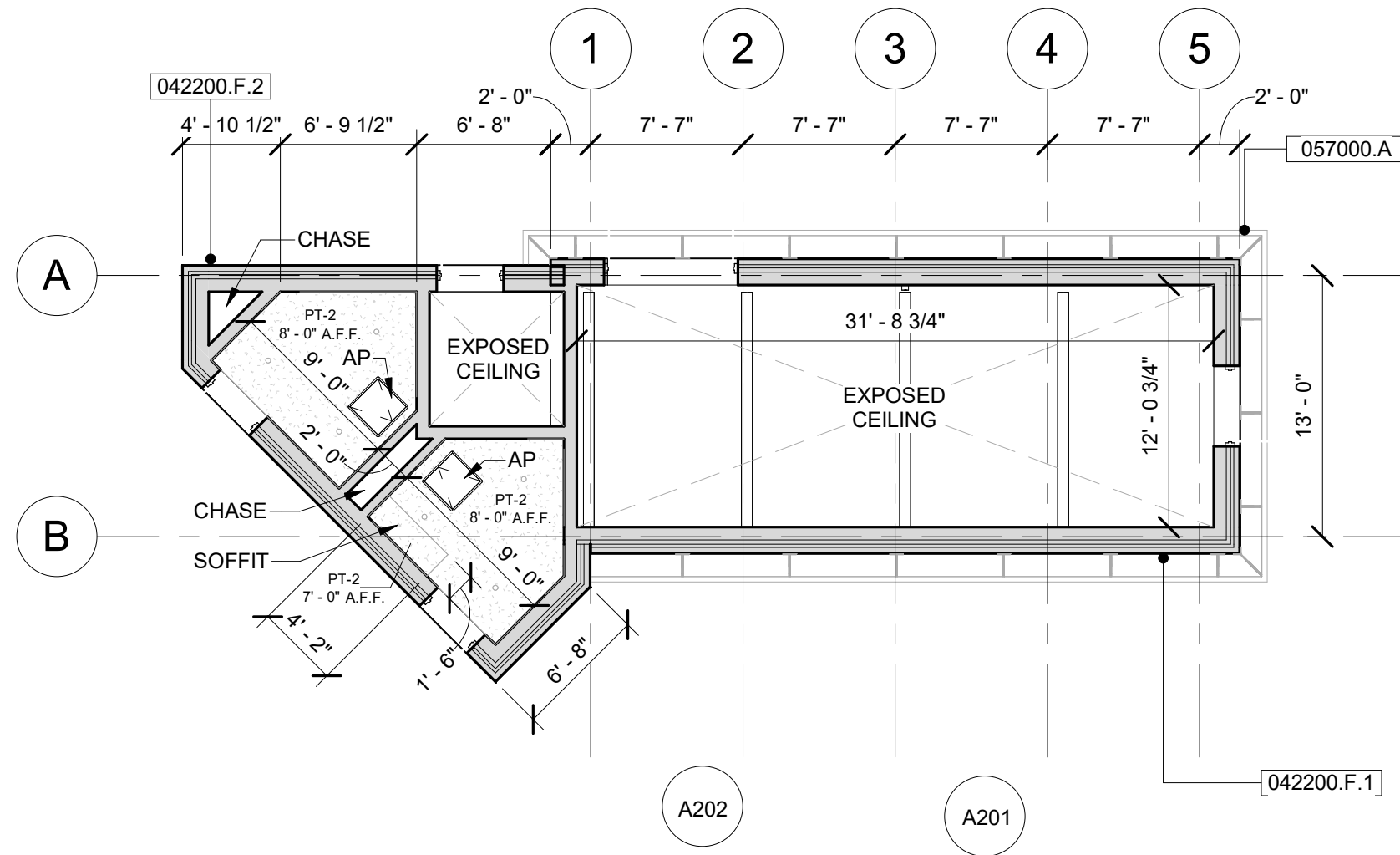
60631225P  
 CITY OF MADISON, DANE COUNTY, WI  
 CONTRACT NO: 60631225C

COMFORT STATION ROOM FINISH SCHEDULE



KEYNOTE LEGEND

| VALUE      | DESCRIPTION                                   |
|------------|---|
| 042200.F.1 | 8"X16"X4" GROUND FACE CONCRETE MASONRY VENEER |
| 042200.F.2 | 4"X16"X4" GROUND FACE CONCRETE MASONRY VENEER |
| 057000.A   | HALO WITH LIGHTING                            |



1  
A201

REFLECTED CEILING PLAN

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

60631225P  
CITY OF MADISON, DANE COUNTY, WI  
CONTRACT NO: 60631225C

COMFORT STATION REFLECTED CEILING PLAN

BUS RAPID TRANSIT  
CITY OF MADISON

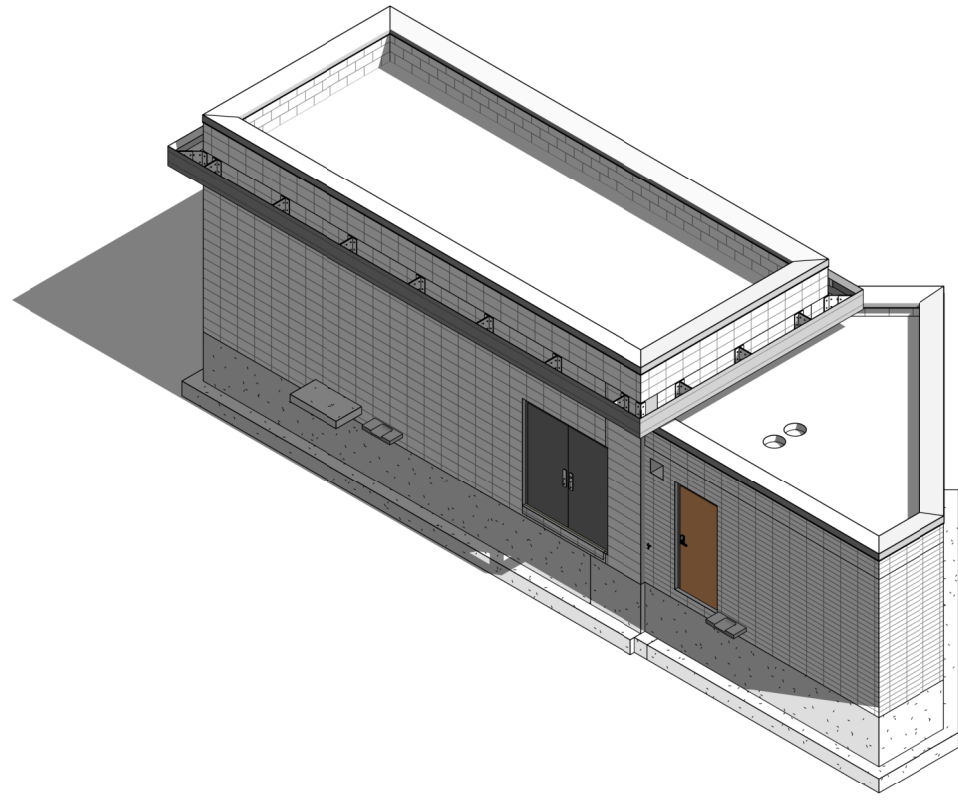


A701

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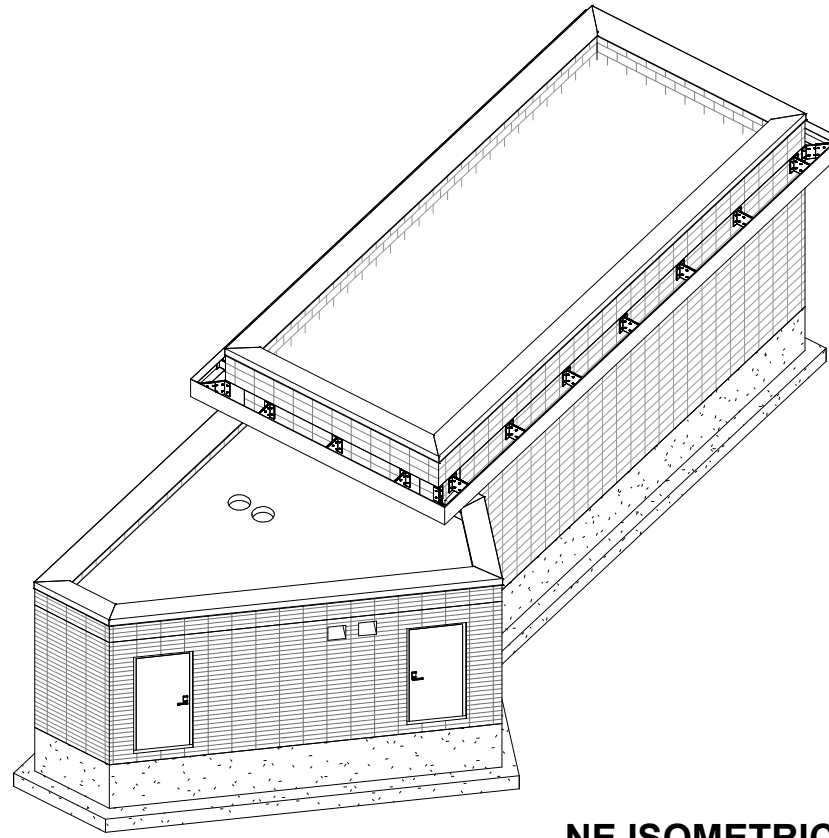




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**NW ISOMETRIC**

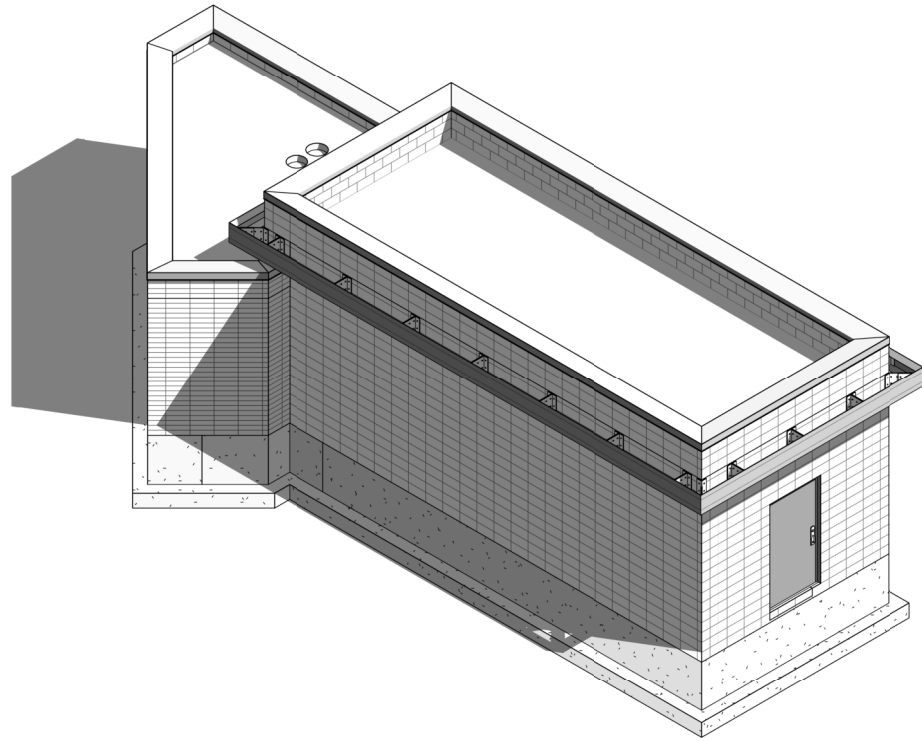
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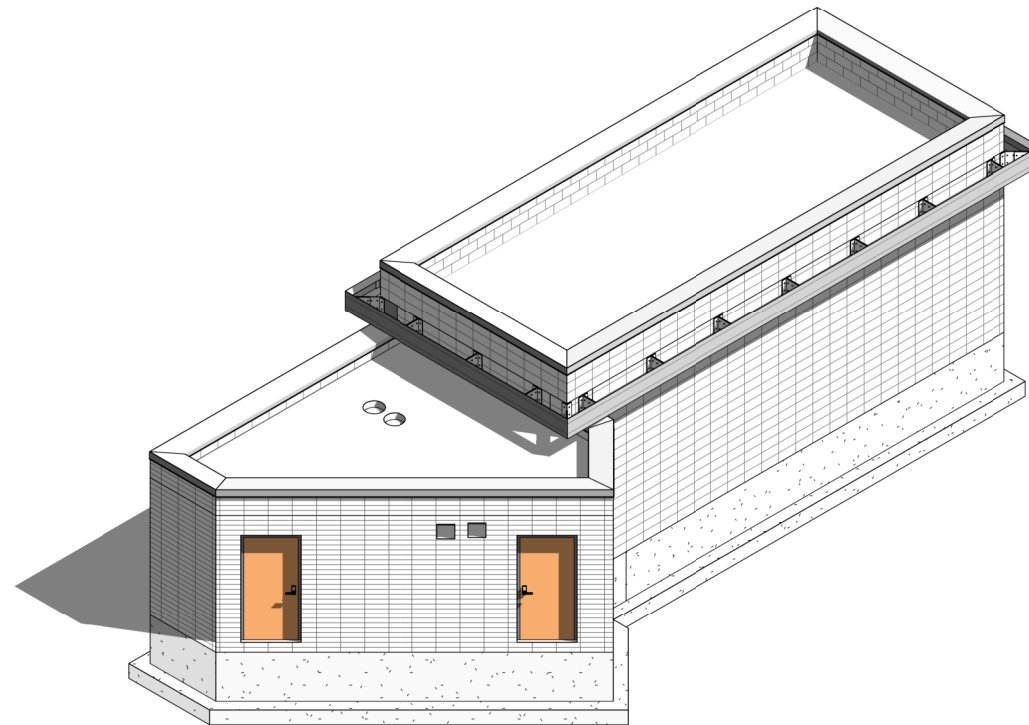
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3

**SE ISOMETRIC**

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4

**SW ISOMETRIC**

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60631225P  
 CITY OF MADISON, DANE COUNTY, WI  
 CONTRACT NO: 60631225C

COMFORT STATION ISOMETRIC VIEWS COMBINED

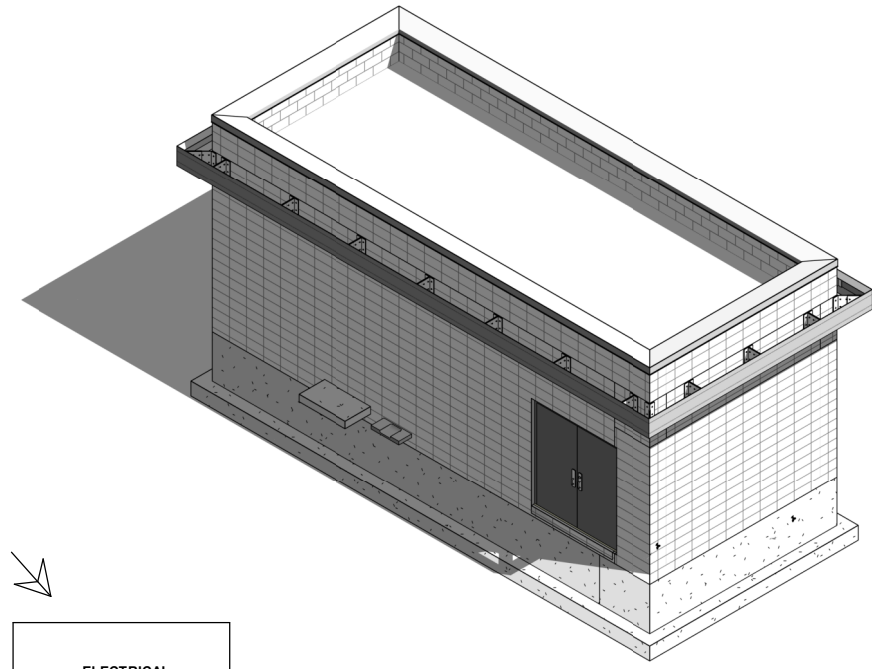
BUS RAPID TRANSIT  
 CITY OF MADISON



A901

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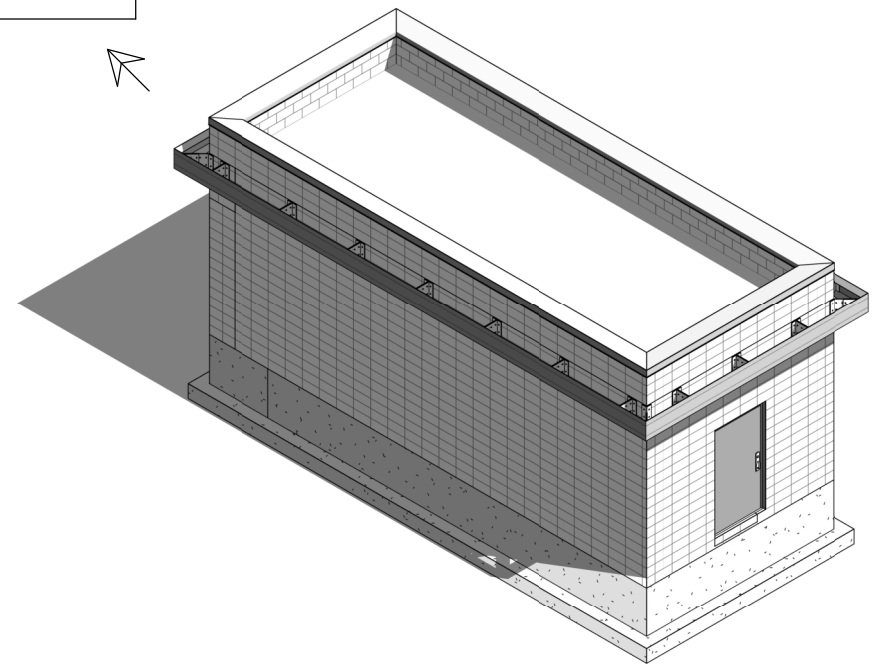
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1

**NW ISOMETRIC**

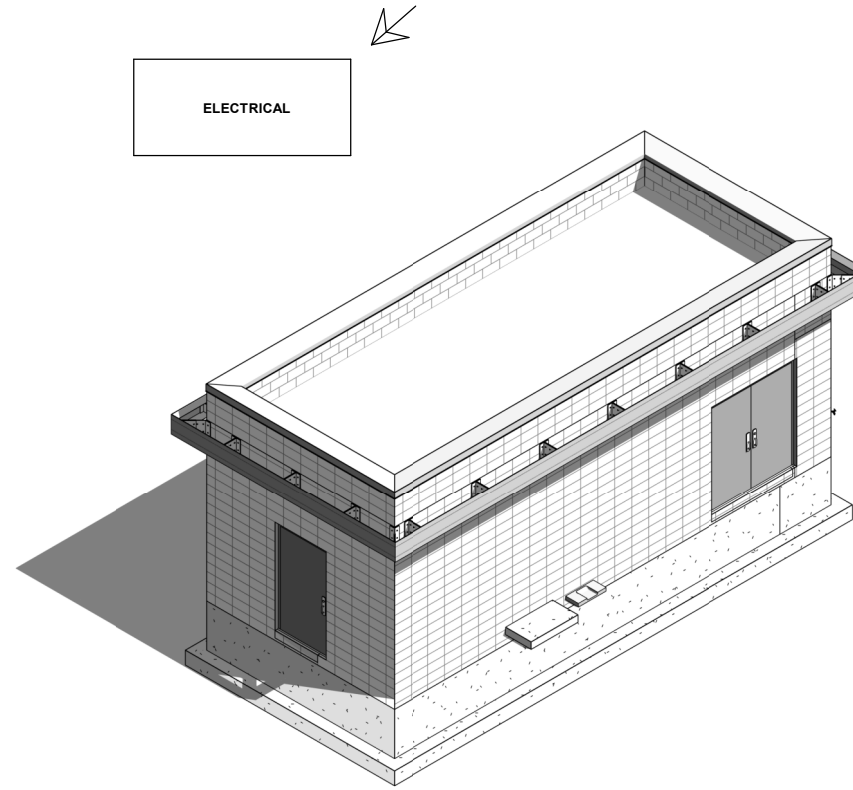
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3

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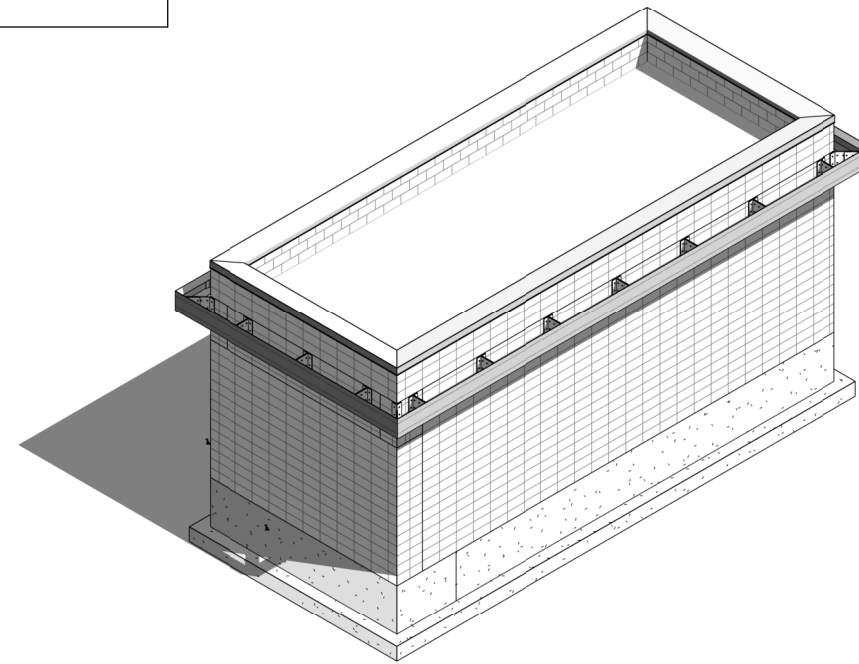
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**NE ISOMETRIC**

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4

**SW ISOMETRIC**

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60631225P  
 HANSON ROAD ELECTRICAL BUILDING ISOMETRIC VIEWS  
 CITY OF MADISON, DANE COUNTY, WI  
 CONTRACT NO: 60631225C

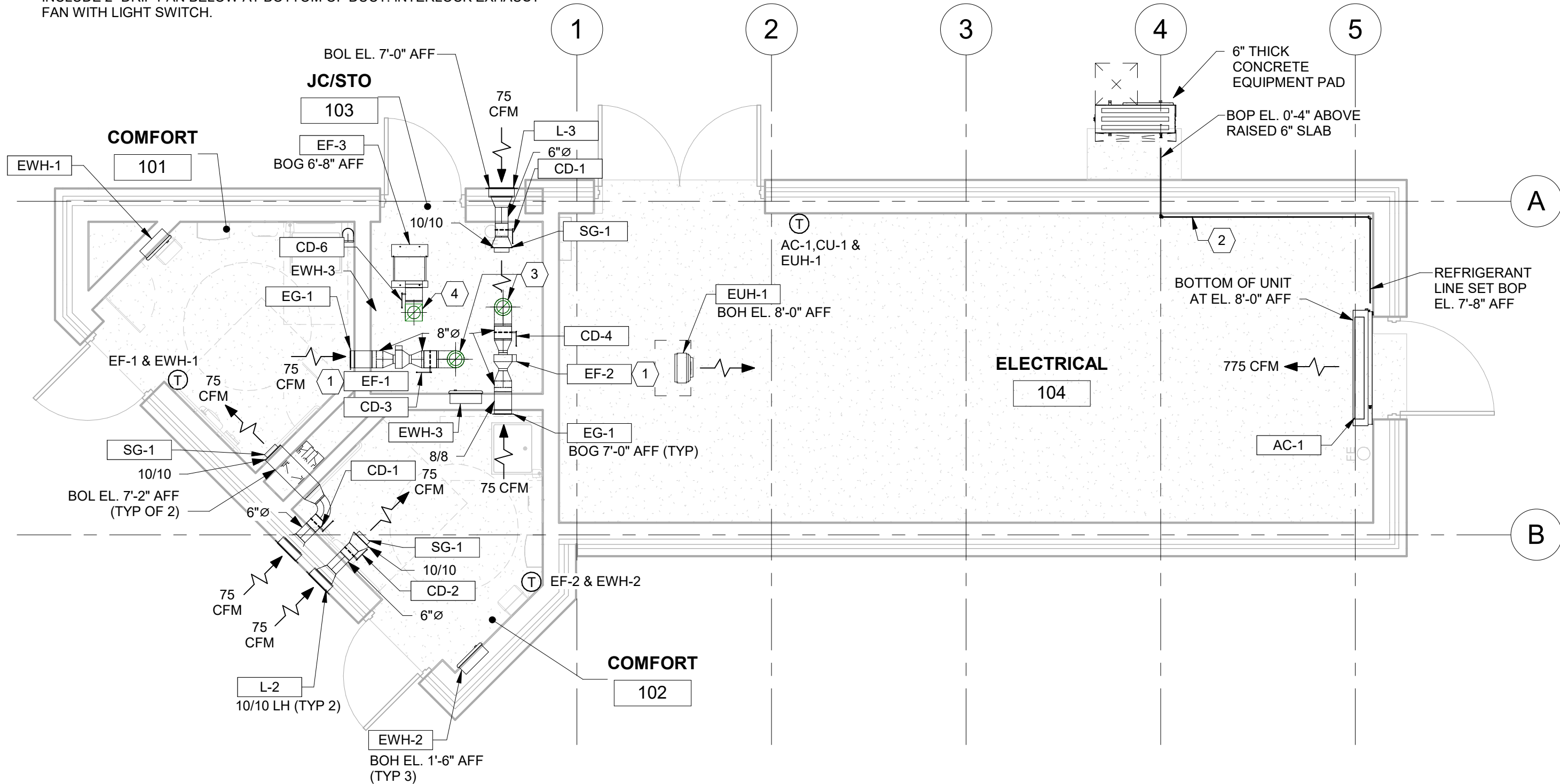


# KEY NOTES

1. EXHAUST FAN TO BE INTERLOCKED WITH LIGHT SWITCH OF COMFORT ROOM EXHAUST FAN SERVES.
2. INSULATE LIQUID AND GAS PIPES SEPARATELY WITH INSULATION MATERIALS. DEFINED IN SPECIFICATION SECTION 23 00 00.
3. 8" ROUND EXHAUST DUCTWORK UP THROUGH CEILING, TERMINATING AT 6" ROUND ROOF JACK WITH INSTALLED FLASHING. INCLUDE 2" DRIP PAN BELOW AT BOTTOM OF DUCT.
4. GREENHECK SP-A200 CEILING EXHAUST FAN TO BE INSTALLED WITHIN CEILING SOFFIT. PROVIDE 8"X8" DUCT OUT OF FAN, UP THROUGH ROOF AND TERMINATING AT 6" ROUND ROOF JACK WITH INSTALLED FLASHING. INCLUDE 2" DRIP PAN BELOW AT BOTTOM OF DUCT. INTERLOCK EXHAUST FAN WITH LIGHT SWITCH.

# GENERAL NOTES

1. WORK SHOWN IS FOR THE JUNCTION ROAD TERMINAL.



**OVERALL HVAC FLOOR PLAN**

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

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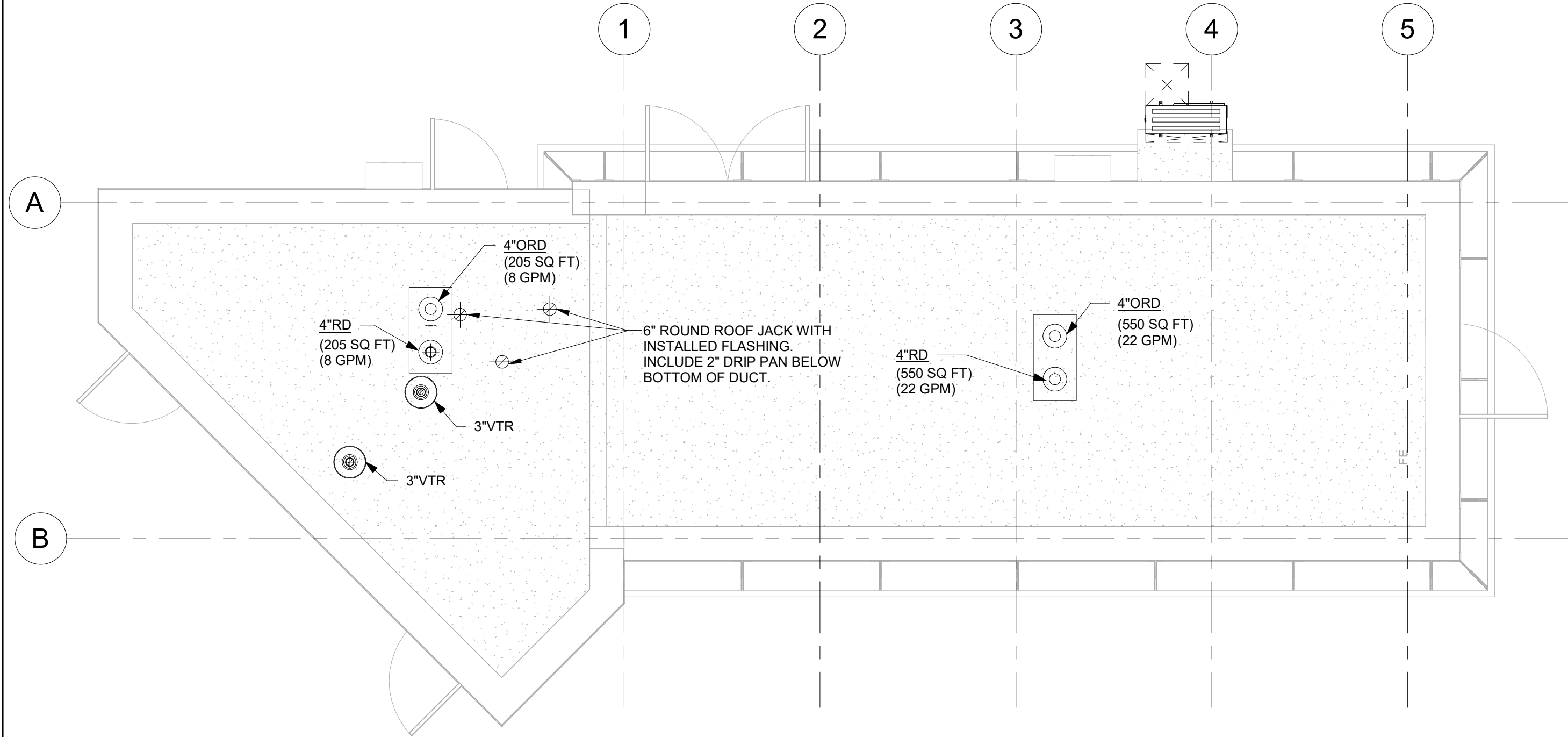
60631225P  
 CITY OF MADISON, DANE COUNTY, WI  
 CONTRACT NO: 60631225C

OVERALL HVAC FLOOR PLAN  
 BUS RAPID TRANSIT  
 CITY OF MADISON



# GENERAL NOTES

1. ROOF DRAINS SHALL BE EQUIPPED WITH STRAINERS EXTENDING NOT LESS THAN 4 INCHES ABOVE THE SURFACE OF THE ROOF IMMEDIATELY ADJACENT TO THE ROOF DRAIN. STRAINERS SHALL HAVE AN AVAILABLE INLET AREA ABOVE THE ROOF OF NOT LESS THAN 1.5 TIMES THE AREA OF THE CONDUCTOR TO WHICH THE DRAIN CONNECTS.
2. WORK SHOWN IS FOR JUNCTION ROAD TERMINAL. ROUTE HANSON ROAD AND SUN PRAIRIE SITE SANITARY SEWER AND STORM WATER PER LOCAL SITE CONDITIONS.



1

## OVERALL MECHANICAL ROOF PLAN

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

| MARK | REVISION | DATE | BY |
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60631225P  
 CITY OF MADISON, DANE COUNTY, WI  
 CONTRACT NO: 60631225C

OVERALL MECHANICAL ROOF PLAN  
 BUS RAPID TRANSIT  
 CITY OF MADISON



M002



| FAN SCHEDULE |                                 |                    |          |              |     |                 |            |                |     |       |       |             |              |         |            |
|--------------|---------------------------------|--------------------|----------|--------------|-----|-----------------|------------|----------------|-----|-------|-------|-------------|--------------|---------|------------|
| TAG NO.      | MANUFACTURER MODEL NO. OR EQUAL | TYPE               | AIR DATA |              |     | FAN SPEED (RPM) | DRIVE TYPE | MOTOR DATA     |     |       |       | SOUND (dBA) | WEIGHT (LBS) | REMARKS |            |
|              |                                 |                    | CFM      | ESP (IN. WG) | BHP |                 |            | AIR FLOW (CFM) | HP  | VOLTS | PHASE |             |              |         | FREQ. (HZ) |
| EF-1         | FANTECH FG 6                    | INLINE CENTRIFUGAL | 75       | 0.20         | -   | 2,703           | DIRECT     | 0.10           | 120 | 1     | 60    | 2,703       | 55           | 80      | SSS, SSSC  |
| EF-2         | FANTECH FG 6                    | INLINE CENTRIFUGAL | 75       | 0.20         | -   | 2,703           | DIRECT     | 0.10           | 120 | 1     | 60    | 2,703       | 55           | 80      | SSS, SSSC  |
| EF-3         | GREENHECK SP-A200               | CEILING EXHAUST    | 75       | 0.50         | -   | 780             | DIRECT     | 0.04           | 115 | 1     | 60    | 900         | 42           | 25      | IG, SSSC   |

IG = INTEGRAL GRILLE, SSS = STAINLESS STEEL SHAFT, SSSC = SOLID STATE SPEED CONTROLLER

| ELECTRIC HEATER SCHEDULE |                                 |                        |                  |                      |                |            |                 |                 |       |       |    |         |             |
|--------------------------|---------------------------------|------------------------|------------------|----------------------|----------------|------------|-----------------|-----------------|-------|-------|----|---------|-------------|
| TAG NO.                  | MANUFACTURER MODEL NO. OR EQUAL | TYPE                   | HEAT OUTPUT (KW) | MOUNTING HEIGHT (FT) | AIR DATA       |            |                 | ELECTRICAL DATA |       |       |    | REMARKS |             |
|                          |                                 |                        |                  |                      | AIR FLOW (CFM) | THROW (FT) | TEMP. RISE (°F) | KW              | VOLTS | PHASE | HZ |         | AMPS        |
| EWH-1                    | QMARK CWH3408F                  | FORCED WALL HEATER     | 4                | 1.5                  | 100            | -          | -               | 7.5             | 208   | 1     | 60 | 19.2    | DS, SFS, RM |
| EWH-2                    | QMARK CWH3408F                  | FORCED WALL HEATER     | 4                | 1.5                  | 100            | -          | -               | 7.5             | 208   | 1     | 60 | 19.2    | DS, SFS, RM |
| EWH-3                    | QMARK CWH3408F                  | FORCED WALL HEATER     | 4                | 1.5                  | 100            | -          | -               | 7.5             | 208   | 1     | 60 | 19.2    | DS, SFS, RM |
| EUH-1                    | QMARK MUH05-81                  | HORIZONTAL UNIT HEATER | 5                | 8.0                  | 350            | 12.0       | 45              | 7.5             | 208   | 1     | 60 | 24.0    | CM, DS, SFS |

CM = CEILING MOUNTED, DS = INTEGRAL DISCONNECT SWITCH, SFS = SUMMER FAN SWITCH, RM = RECESSED MOUNTED

| GRILLE/ DIFFUSER SCHEDULE |                                 |         |           |                |                  |                  |         |        |          |          |         |      |
|---------------------------|---------------------------------|---------|-----------|----------------|------------------|------------------|---------|--------|----------|----------|---------|------|
| TAG NO.                   | MANUFACTURER MODEL NO. OR EQUAL | SERVICE | CFM RANGE | NECK SIZE (IN) | MODULE SIZE (IN) | MAX. APD (IN WC) | MAX. NC | FINISH | MATERIAL | MOUNTING | REMARKS |      |
|                           |                                 |         |           |                |                  |                  |         |        |          |          |         | EG-1 |
| EG-1                      | TITUS 350R                      | RETURN  | 75        | 8x8            | 10x10            | 0.002            | 20      | WHITE  | ALUMINUM | SURFACE  | SDFB    |      |

DD = DOUBLE DEFLECTION, SDFB = SINGLE DEFLECTION FIXED BLADE

| WALL LOUVER SCHEDULE |                                 |         |                |                |                 |                     |                  |                          |            |         |     |               |
|----------------------|---------------------------------|---------|----------------|----------------|-----------------|---------------------|------------------|--------------------------|------------|---------|-----|---------------|
| TAG NO.              | MANUFACTURER MODEL NO. OR EQUAL | SERVICE | AIR FLOW (CFM) | WIDTH (INCHES) | HEIGHT (INCHES) | BLADE DEPTH (IN WC) | MAX. APD (IN WC) | MAX. FACE VELOCITY (FFM) | FRAME TYPE | REMARKS |     |               |
|                      |                                 |         |                |                |                 |                     |                  |                          |            |         | L-1 | FANTECH COM6P |
| L-2                  | FANTECH COM6P                   | SUPPLY  | 75             | 10             | 10              | 4                   | -                | 216                      | CHANNEL    |         |     |               |
| L-3                  | FANTECH COM6P                   | SUPPLY  | 75             | 10             | 10              | 4                   | -                | 216                      | CHANNEL    |         |     |               |

| CONTROL DAMPER SCHEDULE |                                 |               |              |          |            |              |               |                |                |         |      |              |
|-------------------------|---------------------------------|---------------|--------------|----------|------------|--------------|---------------|----------------|----------------|---------|------|--------------|
| TAG NO.                 | MANUFACTURER MODEL NO. OR EQUAL | DIAMETER (IN) | AREA (SQ IN) | AIR TYPE | BLADE TYPE | CONTROL TYPE | FAIL POSITION | RELATED LOUVER | RELATED SYSTEM | REMARKS |      |              |
|                         |                                 |               |              |          |            |              |               |                |                |         | CD-1 | RUSKIN ARD25 |
| CD-2                    | RUSKIN ARD25                    | 6             | -            | OUTDOOR  | OPPOSED    | 2 POSITION   | OPEN          | L-2            | -              | GS      |      |              |
| CD-3                    | RUSKIN ARD25                    | 8             | -            | EXHAUST  | OPPOSED    | 2 POSITION   | OPEN          | -              | EF-1           | GS      |      |              |
| CD-4                    | RUSKIN ARD25                    | 8             | -            | EXHAUST  | OPPOSED    | 2 POSITION   | OPEN          | -              | EF-2           | GS      |      |              |
| CD-5                    | RUSKIN ARD25                    | 6             | -            | OUTDOOR  | OPPOSED    | 2 POSITION   | OPEN          | L-3            | -              | GS      |      |              |
| CD-6                    | RUSKIN ARD25                    | -             | 8x8          | EXHAUST  | OPPOSED    | 2 POSITION   | OPEN          | -              | EF-3           | GS      |      |              |

GS = GALVANIZED STEEL

| EXTERIOR DESIGN TEMPERATURE SCHEDULE |        |         |               |               |   |  |
|--------------------------------------|--------|---------|---------------|---------------|---|--|
| DESCRIPTION                          | SEASON | TYPE    | DRY BULB (°F) | WET BULB (°F) | REMARKS   |  |
| OUTDOOR AIR                          | WINTER | MINIMUM | -15           | ---           | WI SAFETY AND PROFESSIONAL SERVICES, CHAPTER SPS 363 ENERGY CONSERVATION (2018) |  |
| OUTDOOR AIR                          | SUMMER | MAXIMUM | 87            | 75            | WI SAFETY AND PROFESSIONAL SERVICES, CHAPTER SPS 363 ENERGY CONSERVATION (2018) |  |

| INTERIOR DESIGN CRITERIA SCHEDULE |             |                 |                 |         |  |
|-----------------------------------|-------------|-----------------|-----------------|---------|--|
| AREA                              | SYSTEM(S)   | TEMPERATURES    |                 | REMARKS |  |
|                                   |             | HEATING MINIMUM | COOLING MAXIMUM |         |  |
|                                   |             | DRY BULB (°F)   | DRY BULB (°F)   |         |  |
| COMFORT 101                       | EF, EWH, UC | 70              | 85              |         |  |
| COMFORT 102                       | EF, EWH, UC | 70              | 85              |         |  |
| JCRSTO 103                        | EF, EWH, UC | 70              | 85              |         |  |
| ELECTRICAL ROOM                   | EUH, MC     | 55              | 85              |         |  |

EF = EXHAUST FAN, EUH = ELECTRIC UNIT HEATER, EWH = ELECTRIC WALL HEATER, MC = MECHANICAL COOLING, UC = UNTEMPERED COOLING

| DUCTLESS SPLIT SYSTEM OUTDOOR UNIT SCHEDULE |                                 |              |            |                      |           |           |                 |             |                  |        |             |                              |                   |         |                 |              |         |       |              |     |                      |
|---|---------------------------------|--------------|------------|----------------------|-----------|-----------|-----------------|-------------|------------------|--------|-------------|------------------------------|-------------------|---------|-----------------|--------------|---------|-------|--------------|-----|----------------------|
| TAG NO.                                     | MANUFACTURER MODEL NO. OR EQUAL | TYPE         | STYLE      | HEATING DATA         |           |           | COMPRESSOR DATA |             | REFRIGERANT      |        |             | ELECTRICAL DATA              |                   |         | DIMENSIONS (IN) | WEIGHT (LBS) | REMARKS |       |              |     |                      |
|   |                                 |              |            | RATED CAPACITY (MBH) | MIN (MBH) | MAX (MBH) | EFFICIENCY HSPF | TYPE        | CAPACITY CONTROL | TYPE   | CHARGE (OZ) | CONNECTIONS LIQUID SIZE (IN) | SUCTION SIZE (IN) | VOLTS   |                 |              |         | PHASE | HZ           | MCA | MAX FUSE SIZE (AMPS) |
| CU-1  | FRIEDRICH FSHSR9A3A             | DX HEAT PUMP | AIR COOLED | 34.6                 | 14.9      | 36.0      | 9.0             | TWIN ROTARY | MODULATING       | R-410A | 92          | 1/4                          | 5/8               | 208-230 | 1               | 60           | 24      | 40    | 39 x 32 x 17 | 161 | AST, IDC, RLS, SYC   |

AST = ANTI SHORT CYCLE TIMERS, IDC = INVERTER DRIVEN COMPRESSOR, MBH = 1,000 BTU<sub>s</sub> PER HOUR, MCA = MINIMUM CIRCUIT AMPACITY, RLS = REFRIGERANT LINE SET, SYC = SEVEN YEAR COMPRESSOR WARRANTY

- GENERAL NOTES:**
- OPERATING RANGE IN HEATING MODE IS BETWEEN -4°F AND 75°F.
  - HEAT PUMP CAPACITY RATED AT 47°F.
  - INDOOR UNIT POWERED FROM OUTDOOR UNIT.
  - INSTALL PER MANUFACTURER RECOMMENDATIONS.
  - FACTORY REFRIGERANT PRECHARGE IS 25 OUNCES.

| DUCTLESS SPLIT SYSTEM INDOOR UNIT SCHEDULE |                                 |              |               |                |                          |           |           |                     |                 |     |                     |                       |                       |         |                 |              |         |              |    |                       |
|--|---------------------------------|--------------|---------------|----------------|--------------------------|-----------|-----------|---------------------|-----------------|-----|---------------------|-----------------------|-----------------------|---------|-----------------|--------------|---------|--------------|----|-----------------------|
| TAG NO.                                    | MANUFACTURER MODEL NO. OR EQUAL | TYPE         | STYLE         | COOLING DATA   |                          |           |           |                     | AIR DATA        |     |                     | ELECTRICAL            |                       |         | DIMENSIONS (IN) | WEIGHT (LBS) | REMARKS |              |    |                       |
|  |                                 |              |               | NOMINAL (TONS) | TOTAL CAPACITY NET (MBH) | MIN (MBH) | MAX (MBH) | SENSIBLE HEAT RATIO | EFFICIENCY SEER | EER | TOTAL AIRFLOW (CFM) | OUTDOOR AIRFLOW (CFM) | SUPPLY AIR TEMP. (°F) | VOLTS   |                 |              |         | PHASE        | HZ | POWER COOLING (WATTS) |
| AC-1                                       | FRIEDRICH FSHSW36A3A            | DX HEAT PUMP | DUCTLESS WALL | 3              | 36.0                     | 7.4       | 36.0      | 0.75                | 18.0            | 8.2 | 883                 | 0                     | 53                    | 208-230 | 1               | 60           | 4,100   | 54 x 13 x 10 | 42 | AAS, CF, MSF, WCT     |

AAS = AUTOMATIC AIR SWEEP, CF = CLEANABLE FILTERS, MBH = 1,000 BTU<sub>s</sub> PER HOUR, MSF = MULTIPLE SPEED FAN, WCT = WIRED CONTROLLER/THERMOSTAT

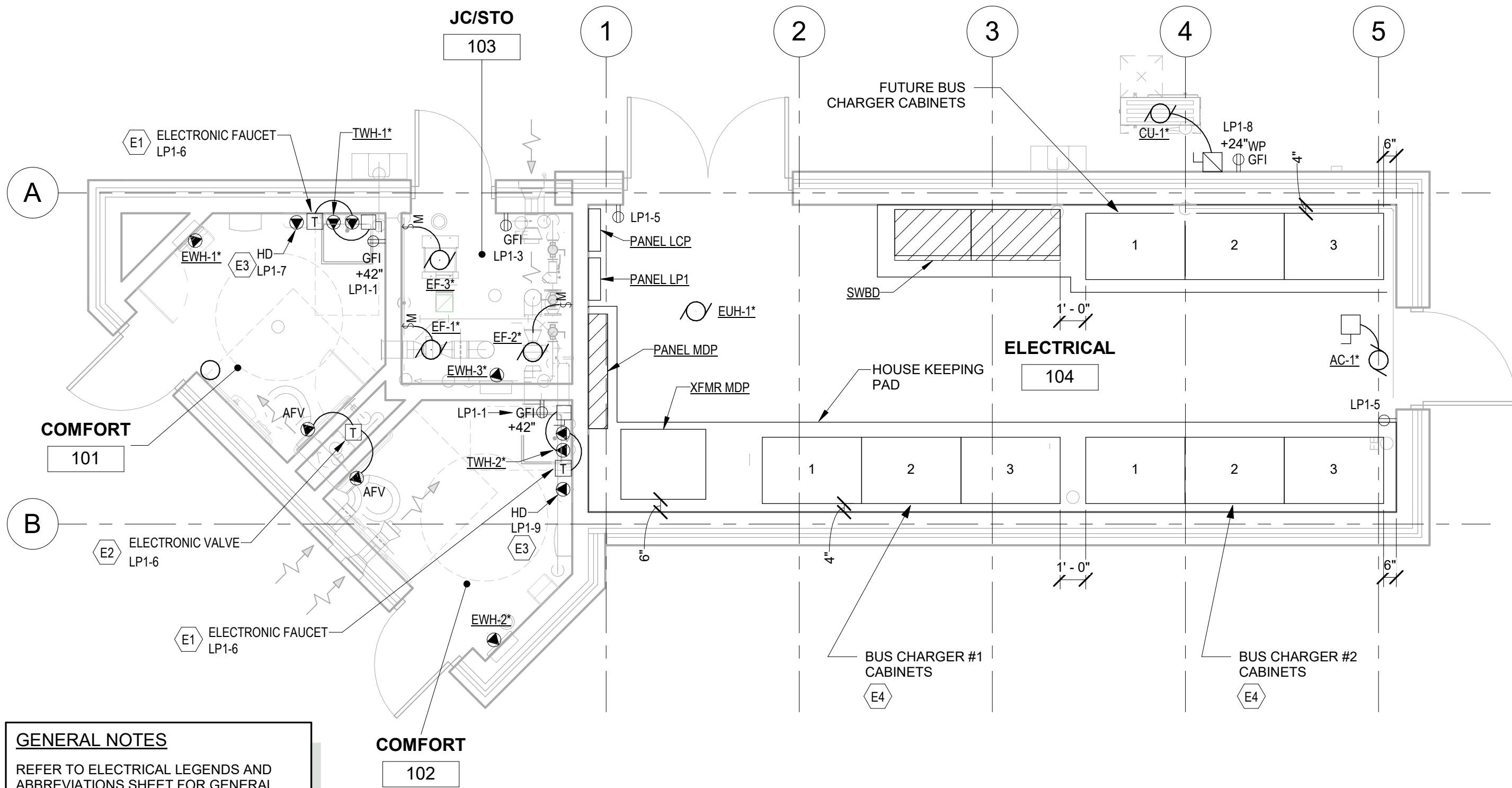
- GENERAL NOTES:**
- OPERATING RANGE IN COOLING MODE IS BETWEEN 0°F AND 115°F.
  - TOTAL AIRFLOW VALUE SHOWN IS FOR HIGH SPEED FAN OPERATION.
  - INDOOR UNIT POWERED FROM OUTDOOR UNIT.
  - ROUTE COIL CONDENSATE DRAIN TO OUTDOORS.
  - INSTALL PER MANUFACTURER RECOMMENDATIONS.

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60631225P  
CITY OF MADISON, DANE COUNTY, WI  
CONTRACT NO: 60631225C

MECHANICAL SCHEDULES  
BUS RAPID TRANSIT  
CITY OF MADISON





**GENERAL NOTES**

REFER TO ELECTRICAL LEGENDS AND ABBREVIATIONS SHEET FOR GENERAL AND KEYED NOTES.

\* REFER TO ELECTRICAL "ME" SCHEDULE FOR ELECTRICAL REQUIREMENTS

REFER TO "PS&E PLAN SET 4" FOR ELECTRICAL ONE-LINE DIAGRAMS & DISTRIBUTION EQUIPMENT SCHEDULES

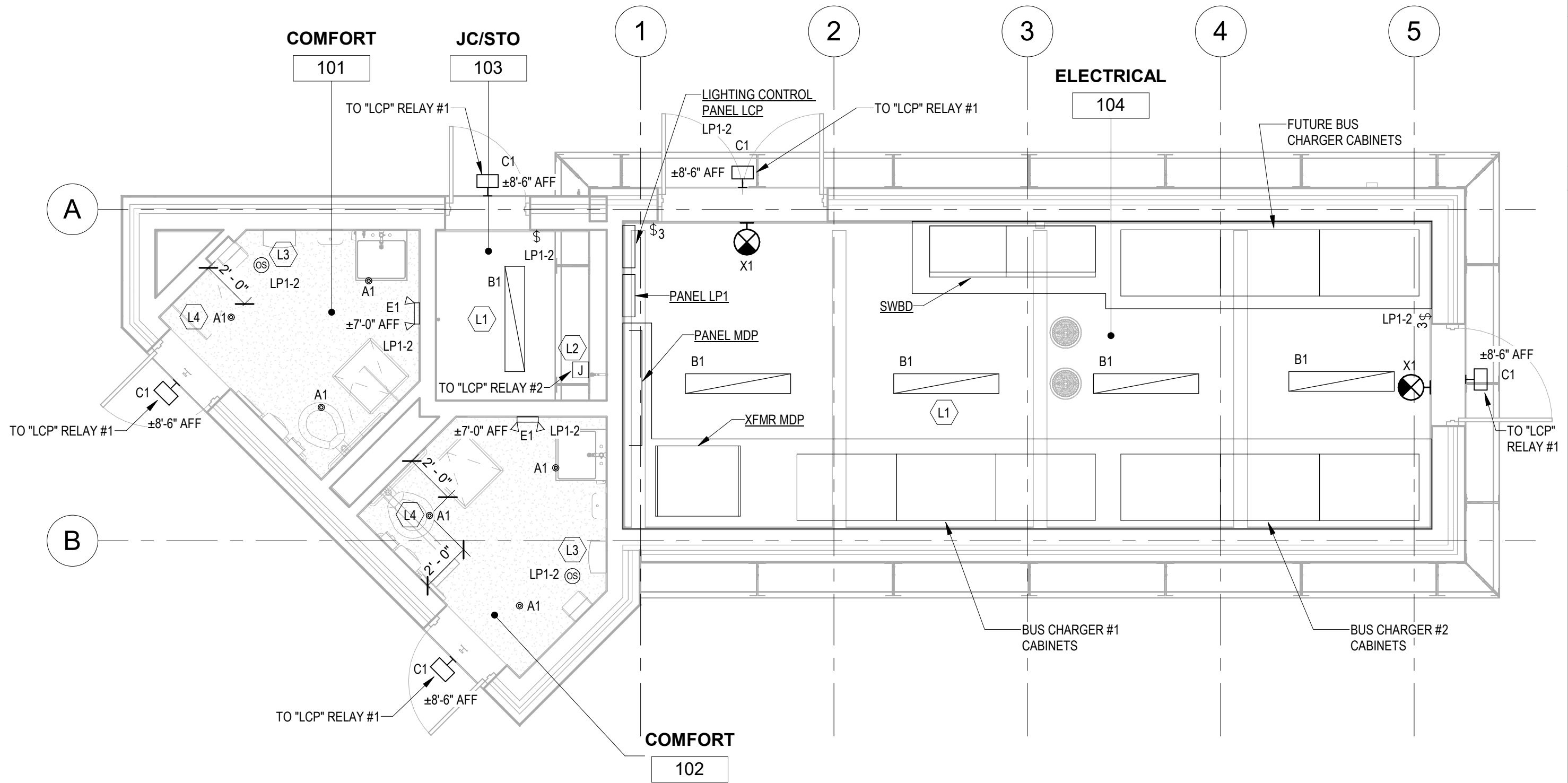
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**JUNCTION PARK AND RIDE - ELECTRICAL POWER PLAN**

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

| 60631225P                                      | CITY OF MADISON, DANE COUNTY, WI | CONTRACT NO: 60631225C |  |          |      |    |  |  |  |  |  |  |  |  |  |
|--|----------------------------------|------------------------|--|----------|------|----|--|--|--|--|--|--|--|--|--|
| JUNCTION PARK AND RIDE - ELECTRICAL POWER PLAN | BUS RAPID TRANSIT                | CITY OF MADISON        | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>REVISION</th> <th>DATE</th> <th>BY</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table> | REVISION | DATE | BY |  |  |  |  |  |  |  |  |  |
| REVISION                                       | DATE                             | BY                     |  |          |      |    |  |  |  |  |  |  |  |  |  |
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**GENERAL NOTES**  
 REFER TO ELECTRICAL LEGENDS AND ABBREVIATIONS SHEET FOR GENERAL AND KEYED NOTES.

**JUNCTION PARK AND RIDE - ELECTRICAL LIGHTING PLAN**

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

| MARK | REVISION | DATE | BY |
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60631225P  
 CITY OF MADISON, DANE COUNTY, WI  
 CONTRACT NO: 60631225C

JUNCTION PARK AND RIDE - ELECTRICAL LIGHTING PLAN  
 BUS RAPID TRANSIT  
 CITY OF MADISON



# LIGHTING FIXTURE SCHEDULE

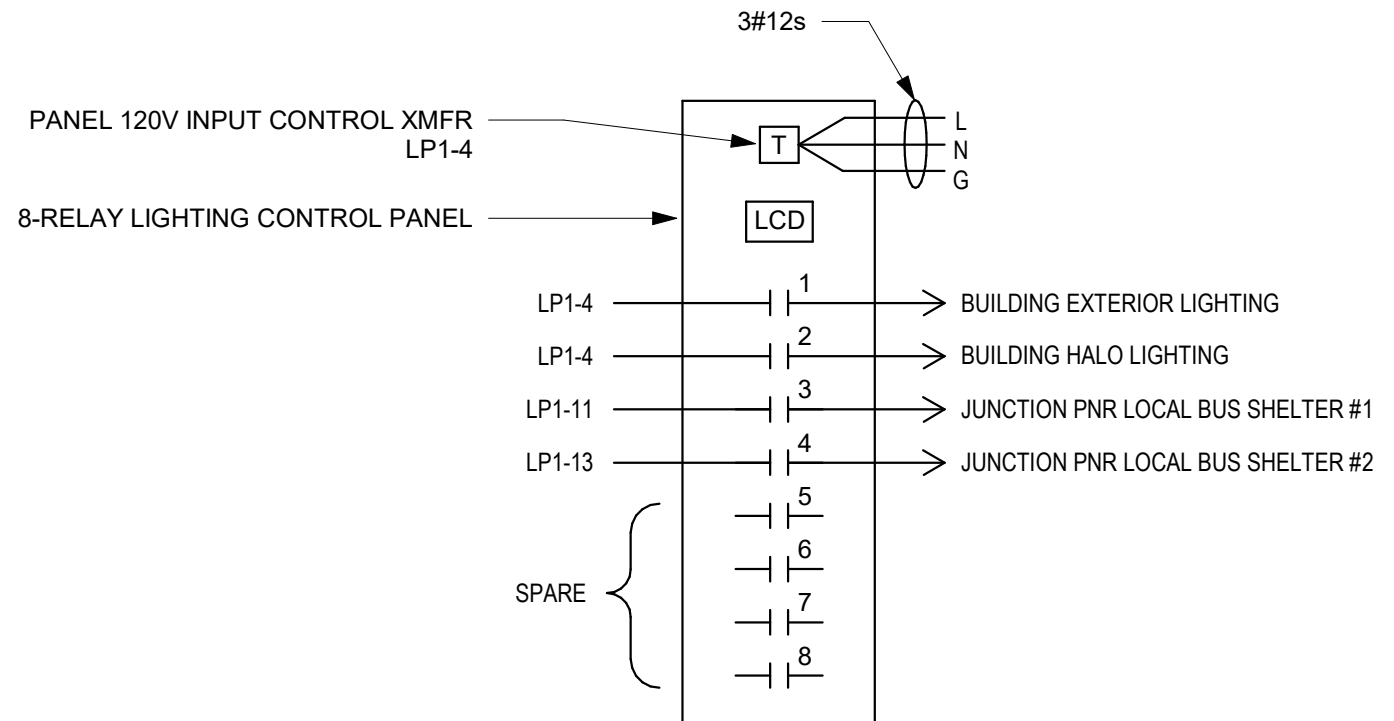
| TYPE | DESCRIPTION  | MOUNTING         | LEDs                       | VOLTAGE | MANUFACTURE & CATALOG NO.   | NOTE | VA |
|------|--|------------------|----------------------------|---------|---|------|----|
| A1   | ROUND LED DOWNLIGHT, 4" APERTURE, WET LOCATION, CLEAR SEMI-SPECULAR REFLECTOR, WIDE DISTRIBUTION   | RECESSED CEILING | 3500K, +80CRI, 1000 LUMENS | 120V    | GOTHAM #EVO4-35/10-AR-LSS-WD-(*)-UGZ OR APPROVED EQUAL                | -    | 10 |
| B1   | 4' INDUSTRIAL LED, STEEL HOUSING, DIFFUSE ACRYLIC LENS, WHITE FINISH   | SUSPENDED CHAIN  | 3500K, +80CRI, 6000 LUMENS | 120V    | LITHONIA #UFIT-L46-6000LM-SEF-(*)-GZ10-35K-80CRI-WH OR APPROVED EQUAL | -    | 50 |
| C1   | DECORATIVE EXTERIOR CYLINDER SHAPE LED WALL-PAK WITH ACRYLIC LUMINOUS UPLIGHT & FULL-CUTOFF DOWNLIGHT, DIE-CAST ALUMINUM HOUSING, MED THROW DISTRIBUTION, WET LOCATION, BLACK FINISH | SURFACE WALL     | 3500K, +80CRI, 950 LUMENS  | 120V    | VISA LIGHTING #OW2304-L35K-(*)-MED-JTBK OR APPROVED EQUAL             | 1    | 18 |
| E1   | 3.6 VOLT EMERGENCY BATTERY LIGHTING UNIT, TWIN 1W LED LAMP HEADS, NICKEL-CADMIUM BATTERY, THERMOPLASTIC HOUSING, WHITE FINISH  | SURFACE WALL     | FURNISHED WITH FIXTURE     | 120V    | LITHONIA #EU2L-M12 OR APPROVED EQUAL                                  | -    | 2  |
| X1   | EMERGENCY EXIT SIGN, SINGLE FACE LED, GREEN LETTERS, NICKEL-CADMIUM BATTERY, THERMOPLASTIC HOUSING, WHITE FINISH, TWIN LED LAMP HEADS  | SURFACE WALL     | FURNISHED WITH FIXTURE     | 120V    | LITHONIA #LHQM-LED-G-SD OR APPROVED EQUAL                             | 2    | 5  |

**GENERAL NOTES:**

- A. FIXTURE CATALOG NUMBERS ARE FOR CONTRACTOR'S CONVENIENCE ONLY. VERIFY TYPE AND VOLTAGE FOR EACH INSTALLATION PRIOR TO PURCHASE.
- B. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS WHICH MAY NOT BE INCLUDED IN MANUFACTURER'S CATALOG NUMBER.
- C. ALL FIXTURES OF THE SAME LETTER TYPE, I.E.: A1, A2, ETC. ARE TO BE PRODUCTS OF THE SAME MANUFACTURER, UNLESS OTHERWISE NOTED.
- D. FIXTURES TO MEET BUY AMERICA(N) REQUIREMENTS.
- E. LUMENS LISTED ARE NOMINAL.
- F. (\*) - SEE VOLTAGE COLUMN FOR DRIVER VOLTAGE.
- G. ALL EXTERIOR FIXTURES TO BE WET LABELED.
- H. FIXTURE MOUNTING HEIGHTS SHOWN ON THE PLANS ARE TO BOTTOM OF FIXTURE, UNO
- I. FIXTURES SUBMITTED AS AN APPROVED EQUAL TO MEET OR EXCEED DESIGN & PERFORMANCE SPECIFICATIONS OF THE LISTED FIXTURE TYPE.
- J. CIRCUIT ALL EXIT SIGNS AND EMERGENCY LIGHTING UNITS WITH SELF-CONTAINED BATTERY TO SAME BRANCH CIRCUIT SERVING THE NORMAL LIGHTING IN THE ROOM OR AREA IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE.

**SPECIFIC NOTES:**

- 1. MOUNTING HEIGHT SHOWN ON PLANS TO CENTER OF FIXTURE.
- 2. MOUNT EXIT SIGN TWO (2) INCHES ABOVE TOP OF DOOR FRAME.



## BUILDING LIGHTING CONTROL DIAGRAM

60631225P

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

ELECTRICAL LIGHTING SCHEDULE

BUS RAPID TRANSIT

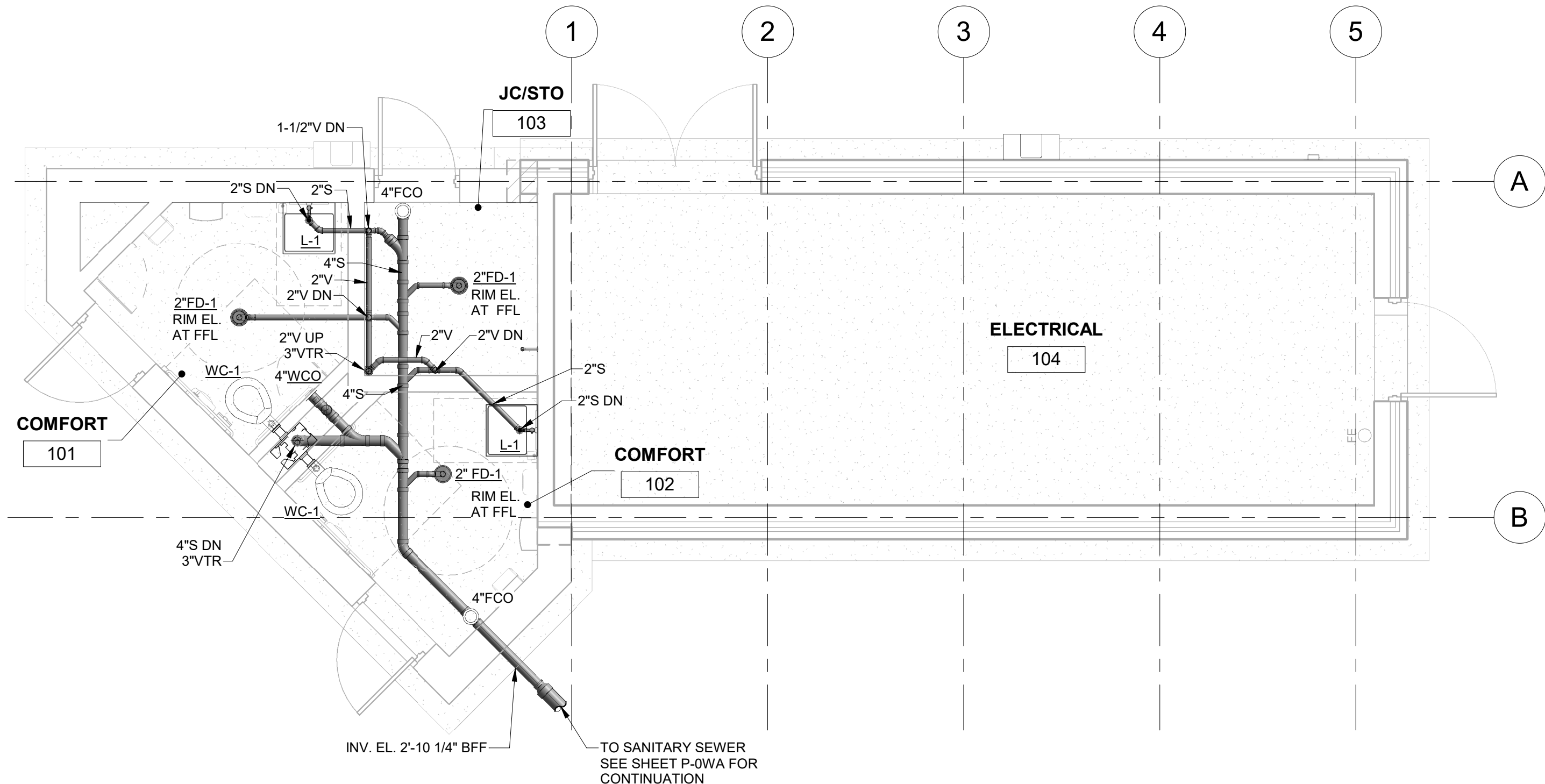
CITY OF MADISON





# GENERAL NOTES

1. BURIED PIPING AND ON-SITE INTERIOR WORK BY THE CONTRACTOR AS NECESSARY TO COMPLETE THE UTILITY SERVICE CONNECTIONS AND PROVIDE A FULLY FUNCTIONAL INSTALLATION.
2. PIPING SHOWN IS BELOW THE SLAB AND NOT AT CEILING LEVEL COMFORT (101 & 102) ROOM AND JC/STORAGE (103) ROOM.
3. WORK SHOWN IS FOR THE JUNCTION ROAD TERMINAL. ROUTE HANSON ROAD AND SUN PRAIRIE SITE SANITARY SEWER AND STORM WATER PER LOCAL SITE CONDITIONS.
4. JUNCTION ROAD FLOOR ELEVATION IS SET AT 1076.75.



1

## OVERALL SANITARY FLOOR PLAN

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

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60631225P  
 CITY OF MADISON, DANE COUNTY, WI  
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OVERALL SANITARY/VENT FLOOR PLAN  
 BUS RAPID TRANSIT  
 CITY OF MADISON



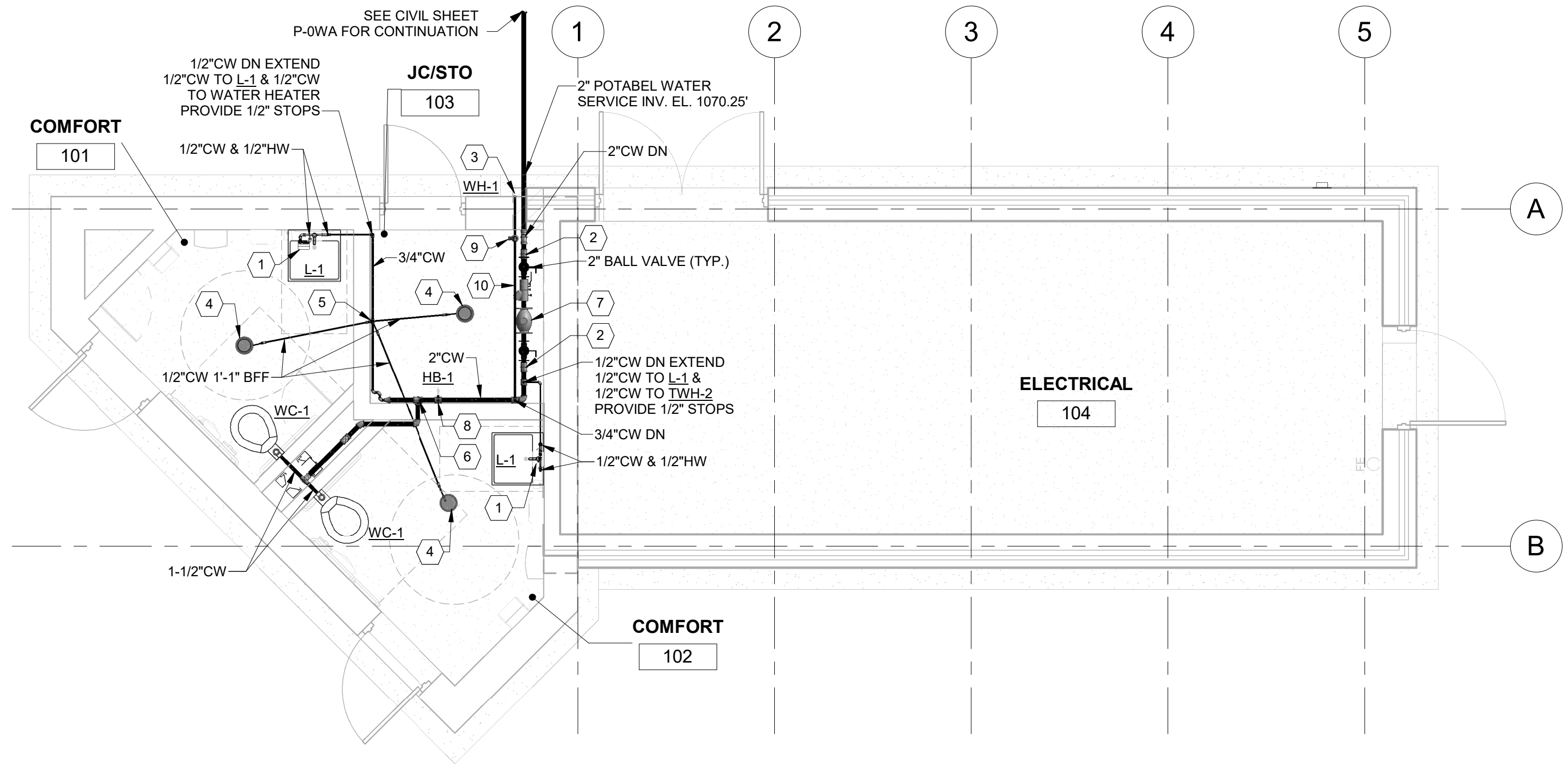
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# KEY NOTES

- EEMAX ACCUMIX II AM004120T ELECTRIC TANKLESS WATER HEATER TO BE INSTALLED UNDERNEATH LAVATORY.
- PROVIDE 2" CW BYPASS WITH 2" BALL VALVE.
- WOODFORD MODEL B67 BOX TYPE BACKFLOW PROTECTED FREEZELESS WALL HYDRANT TO BE INSTALLED ON EXTERIOR OF BUILDING. CONNECT WITH 3/4" FEMALE HOSE THREAD.
- FLOOR DRAINS TO BE INSTALLED WITH PRECISION PLUMBING PRODUCTS TRAP PRIMER TO ENSURE TRAP REMAINS SEALED.
- 1/2" CW DN TO ELECTRONIC TRAP SEAL PRIMER VALVE, MIFAB MODEL MI-300-500-DU-120VAC OR EQUAL, PROVIDE 120VAC 3-PRONG POWER PLUG, EXTEND 1/2" COPPER TUBING, TYPE K, TO EACH FLOOR DRAIN TRAP PRIMER CONNECTION.
- 2" CW DN WITH 2" BALL VALVE IN DROP, EXTEND 2" CW BFF OVER TO WATER CLOSETS.
- 2" WATER METER WITH STRAINER,  $\pm$  EL. 1080.75'.
- 3/4" CW DN TO HB-1, PROVIDE 3/4" BALL VALVE IN DROP.
- 3/4" CW DN TO WH-1, PROVIDE 3/4" BALL VALVE IN DROP.
- 3/4" CW AT CEILING EL.

# GENERAL NOTES

- PLUMBING FIXTURES AND PIPING TO BE FURNISHED AND INSTALLED AS PART OF THE RESTROOM FACILITY.
- WORK SHOWN IS FOR THE JUNCTION ROAD TERMINAL. ROUTE HANSON ROAD AND SUN PRAIRIE SITE SANITARY SEWER AND STORM WATER PER LOCAL SITE CONDITIONS.
- JUNCTION ROAD FLOOR ELEVATION IS SET AT 1076.75.



1

## OVERALL WATER FLOOR PLAN

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

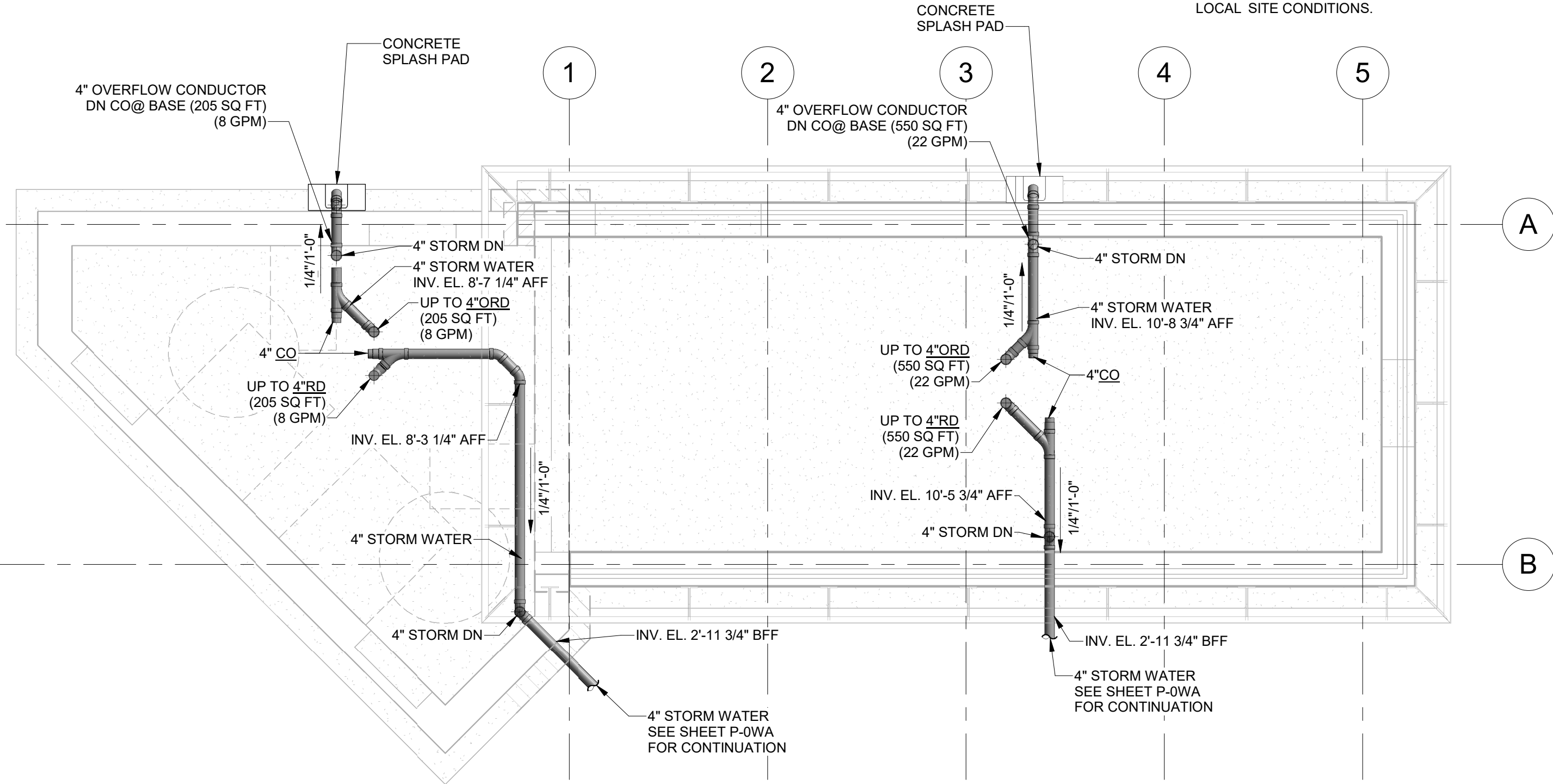
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60631225P  
 CITY OF MADISON, DANE COUNTY, WI  
 CONTRACT NO: 60631225C  
 OVERALL WATER FLOOR PLAN  
 BUS RAPID TRANSIT  
 CITY OF MADISON



# GENERAL NOTES

1. PIPING SHOWN IN ELECTRICAL 104 IS AT CEILING LEVEL OF FLOOR BELOW AND NOT ON ROOF.
2. WORK SHOWN IS FOR THE JUNCTION ROAD TERMINAL. ROUTE HANSON ROAD AND SUN PRAIRIE SITE SANITARY SEWER AND STORM WATER PER LOCAL SITE CONDITIONS.



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## OVERALL STORM WATER FLOOR PLAN

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

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60631225P  
 CITY OF MADISON, DANE COUNTY, WI  
 CONTRACT NO: 60631225C

OVERALL SANITARY ROOF PLAN  
 BUS RAPID TRANSIT  
 CITY OF MADISON





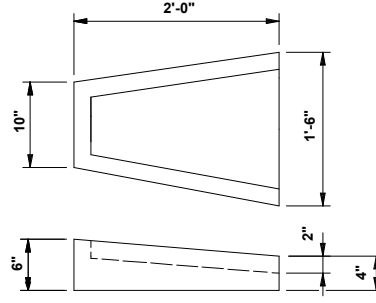


PLUMBING DETAILS  
BUS RAPID TRANSIT  
**CITY OF MADISON**

60631225P  
CITY OF MADISON, DANE COUNTY, WI  
CONTRACT NO: 60631225C

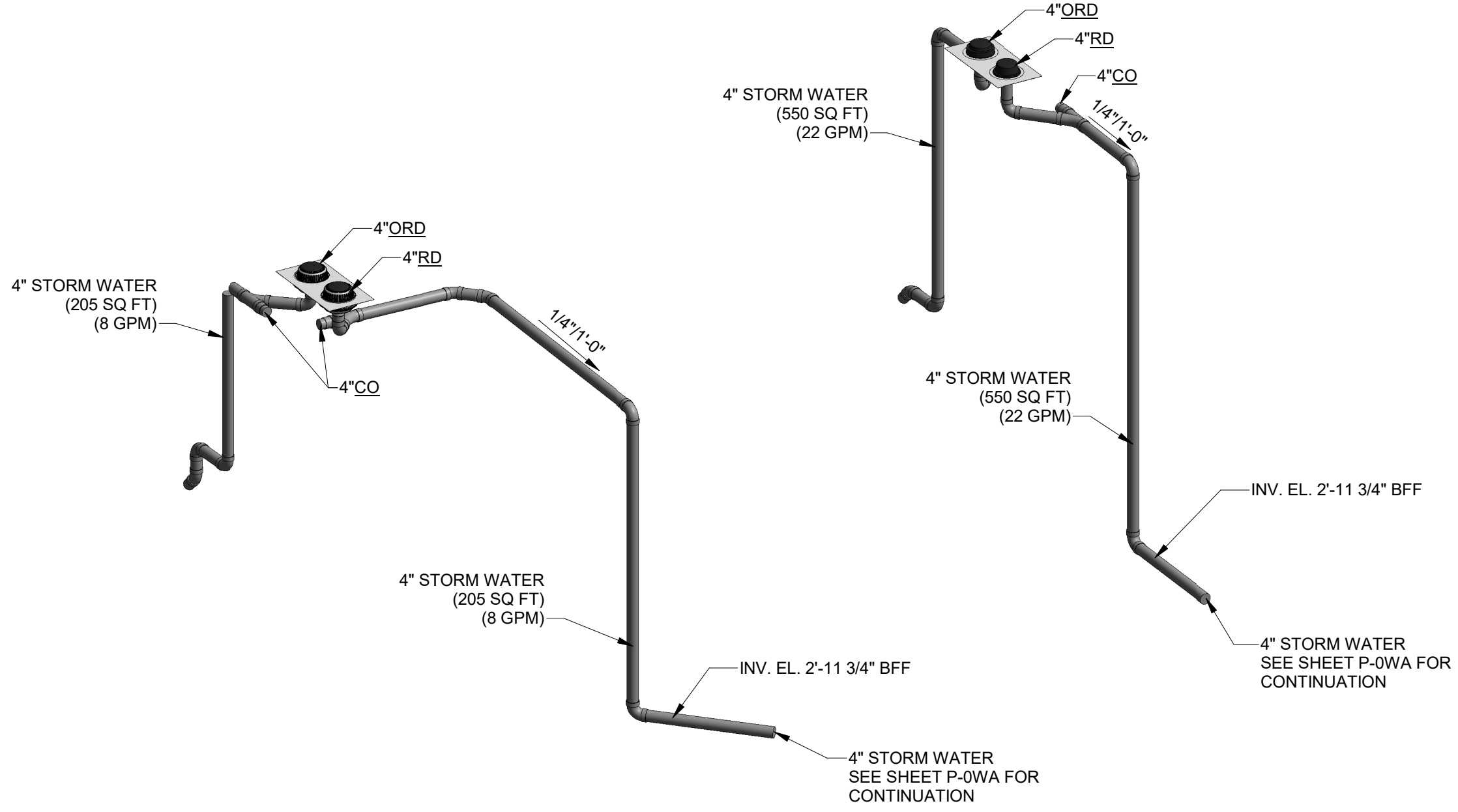
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Designed By: \_\_\_\_\_  
Date: 2022-03-08  
Scale: ---



**1 CONCRETE SPLASH PAD**  
SCALE: N.T.S.





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**PLUMBING STORM WATER ISOMETRIC**  
NTS

|                        |                              |
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| DATE<br>BY             | SCALE<br>Scale: ---          |

60631225P  
 CITY OF MADISON, DANE COUNTY, WI  
 CONTRACT NO: 60631225C

PLUMBING STORM WATER ISOMETRIC  
 BUS RAPID TRANSIT  
**CITY OF MADISON**

