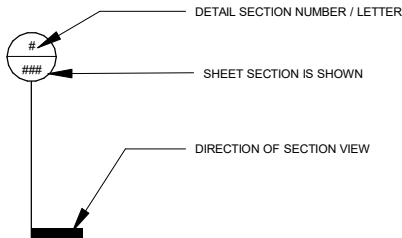
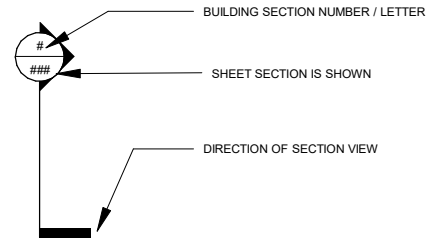
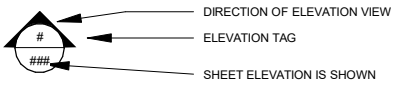
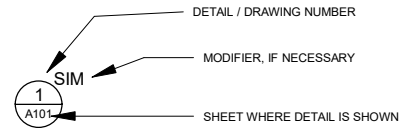
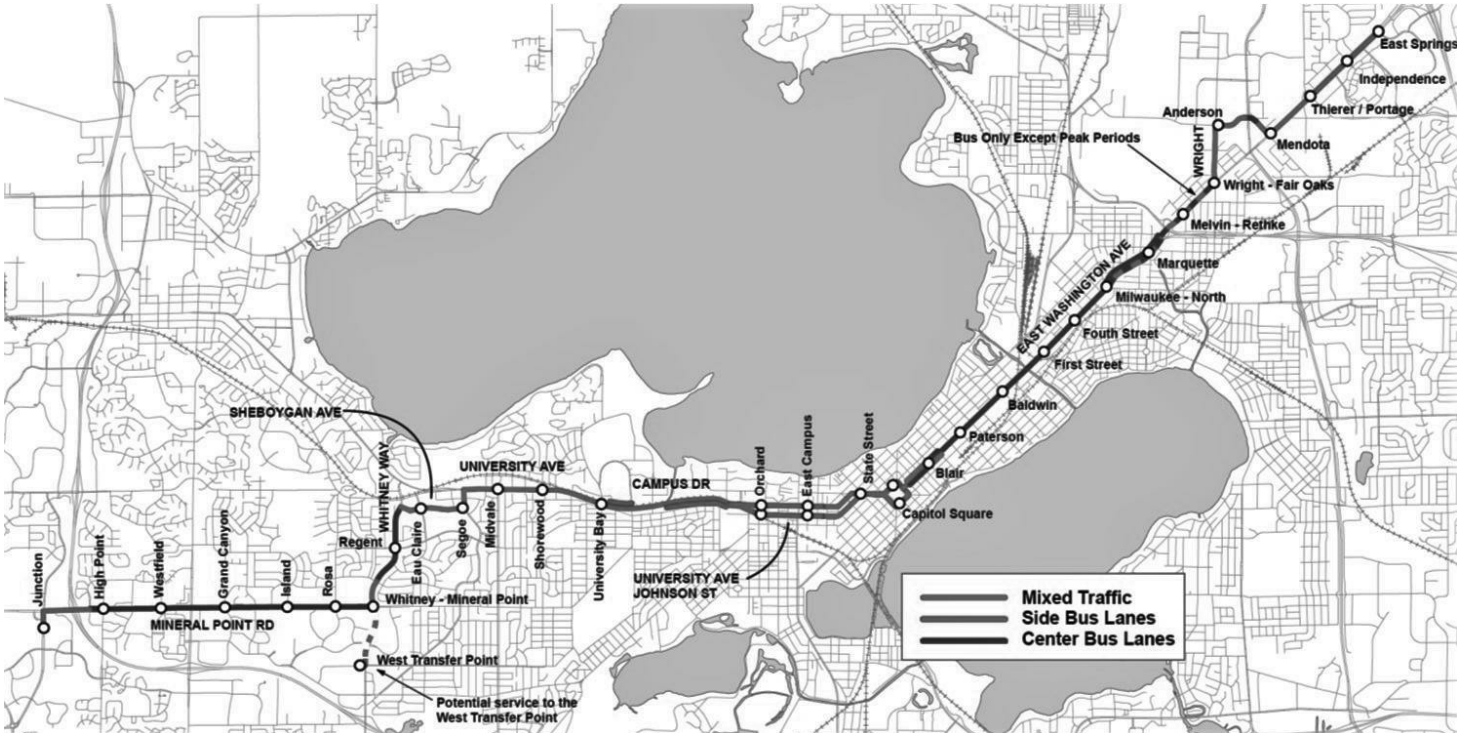


ARCHITECTURE GRAPHIC SYMBOLS



VICINITY MAP



PROJECT LOCATION

CITY, STATE

ARCHITECTURAL ABBREVIATIONS

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

COVER SHEET

BUS RAPID TRANSIT



G000

60631225P

CITY OF MADISON, DANE COUNTY, WI

CITY OF MADISON

CONTRACT NO: 60631225C

REVISION

MARK

60631225P

CONTRACT NO: 60631225C

CITY OF MADISON, DANE COUNTY, WI

CITY OF MADISON



G000

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.



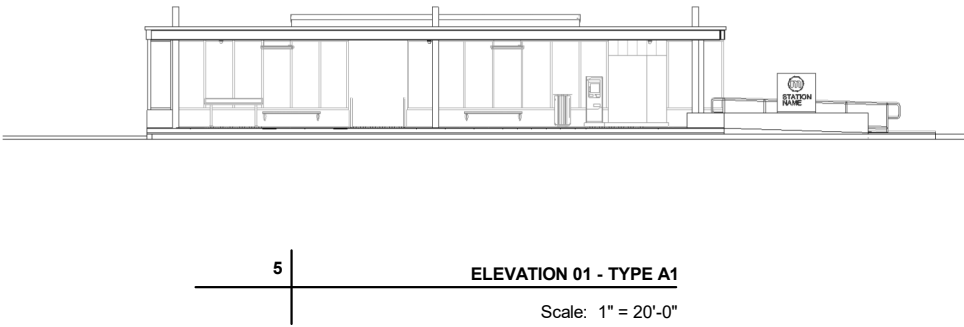
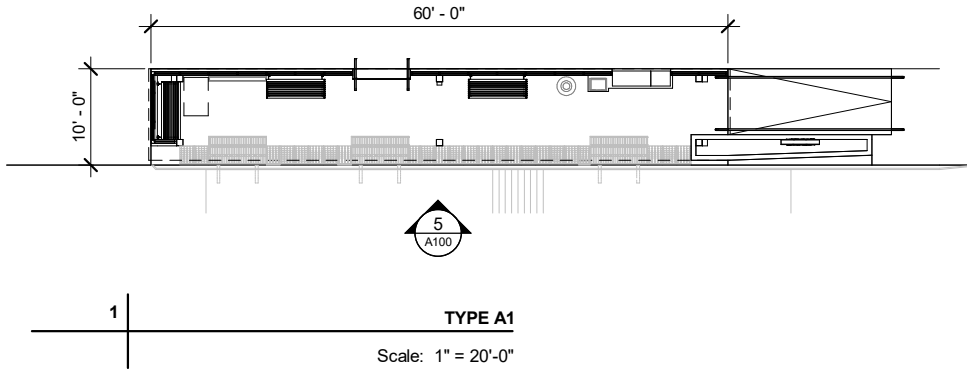
GENERAL NOTES

BUS RAPID TRANSIT
CITY OF MADISON

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

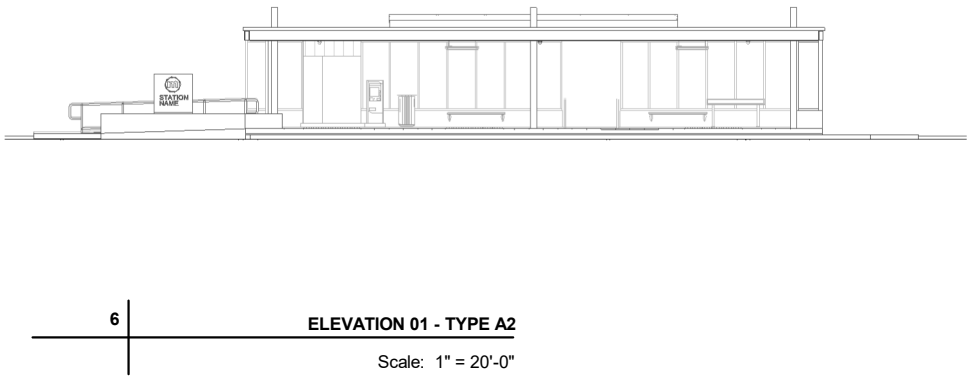
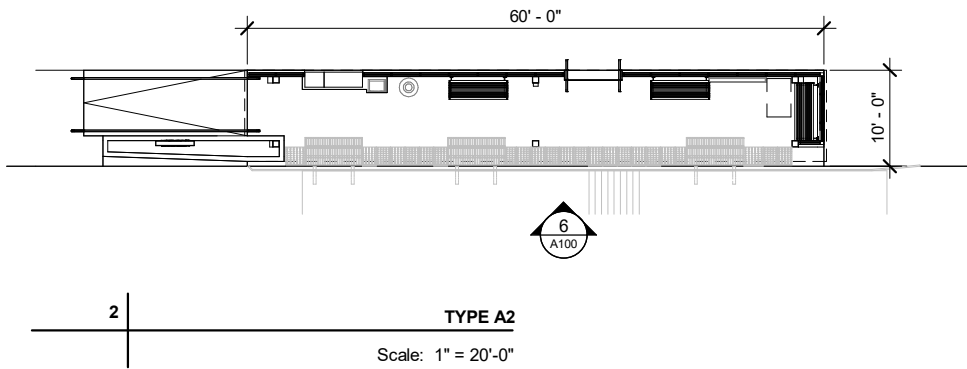
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		Designed by:	DATE	BY

BUS SIZES SHOWN
ARE APPROXIMATE



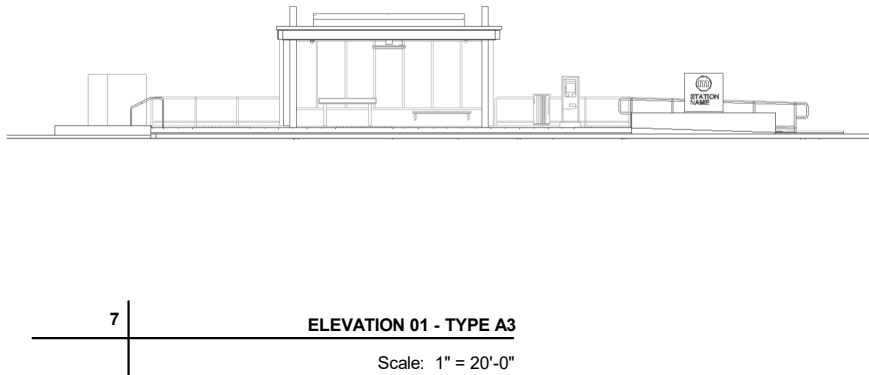
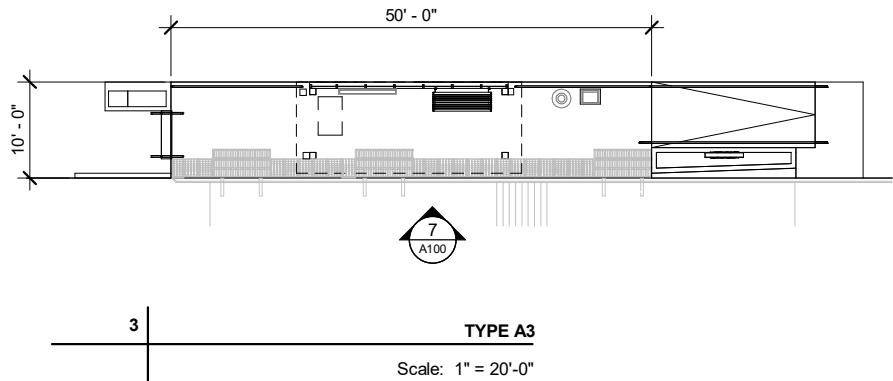
PLATFORM TYPE - A1
CURBSIDE
ENTRY RIGHT

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



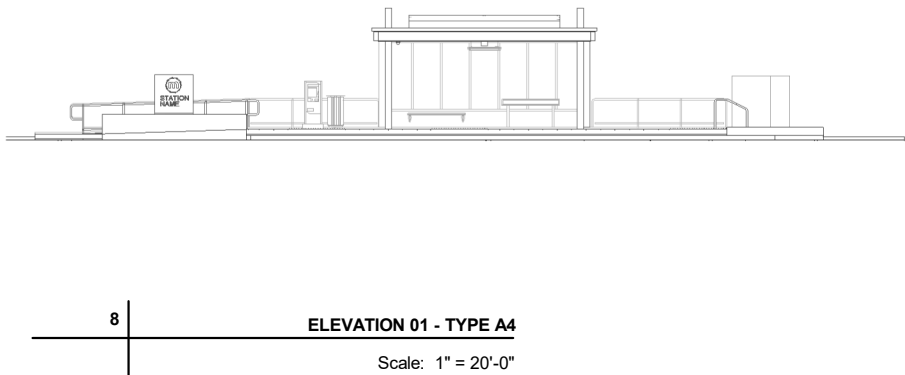
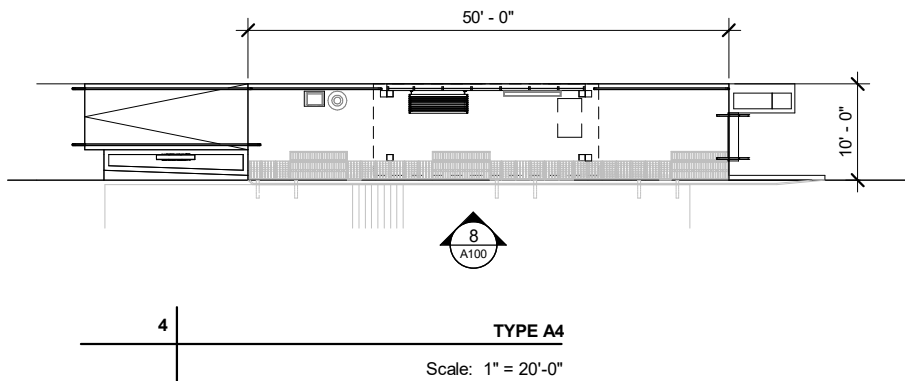
PLATFORM TYPE - A2
CURBSIDE
ENTRY LEFT

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

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

60631225P

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

OVERALL STATION TYPES

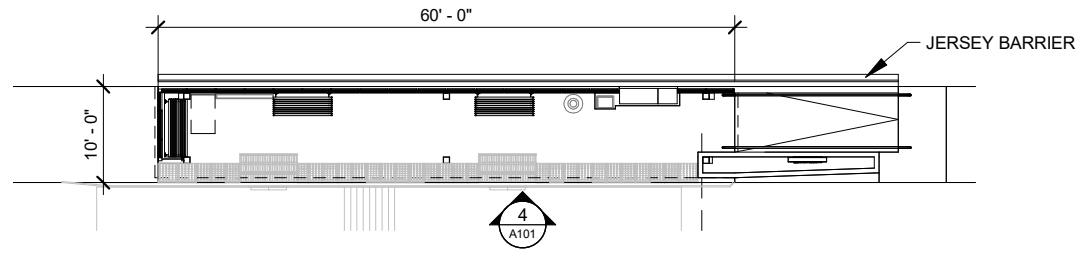
BUS RAPID TRANSIT

CITY OF MADISON

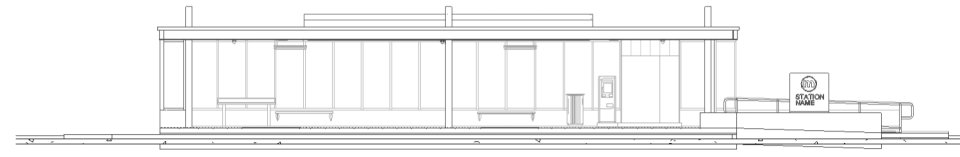


A100

BUS SIZES SHOWN
ARE APPROXIMATE



1 TYPE A5
Scale: 1" = 20'-0"

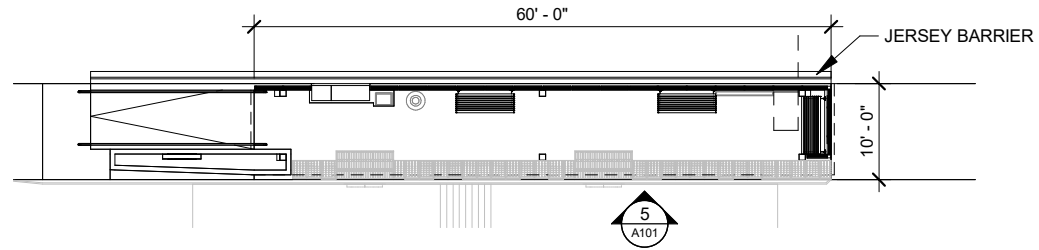


4 | ELEVATION 01 - TYPE A5

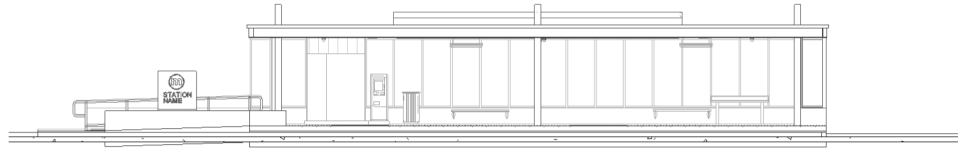
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PLATFORM TYPE - A5
CURBSIDE CENTER WITH JERSEY BARRIER
ENTRY RIGHT

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



2 TYPE A6
Scale: 1" = 20'-0"

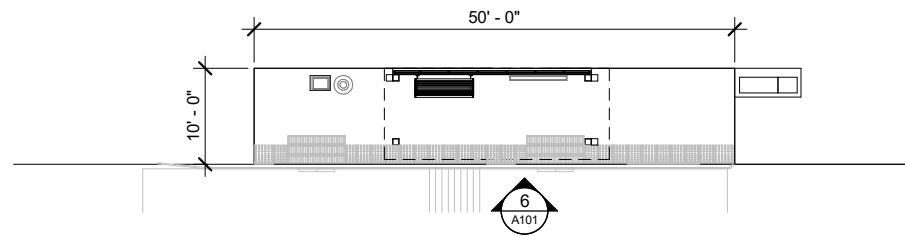


5 | **ELEVATION 01 - TYPE A6**

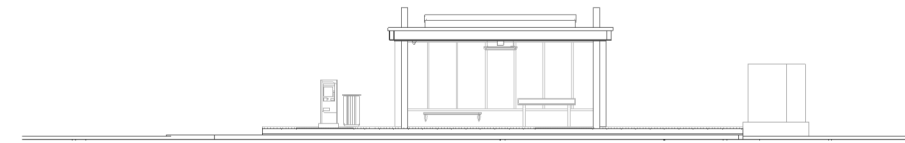
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PLATFORM TYPE - A6
CURBSIDE CENTER WITH JERSEY BARRIER
ENTRY LEFT

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



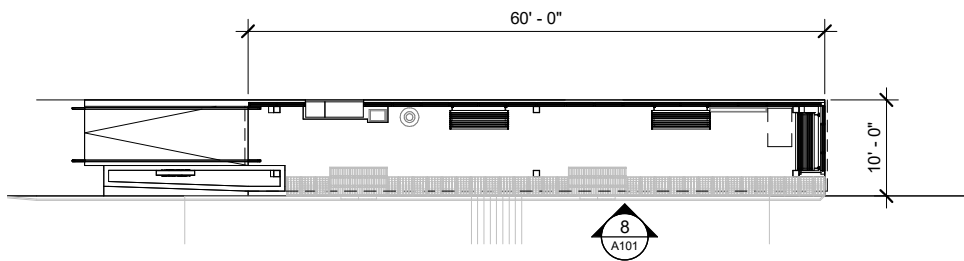
3	TYPE A7
	Scale: 1" = 20'-0"



6	ELEVATION 01 - TYPE A7
	Scale: 1" = 20'-0"

PLATFORM TYPE - A7
CURBSIDE AT CHARGING STATION
ENTRY BOTH SIDES

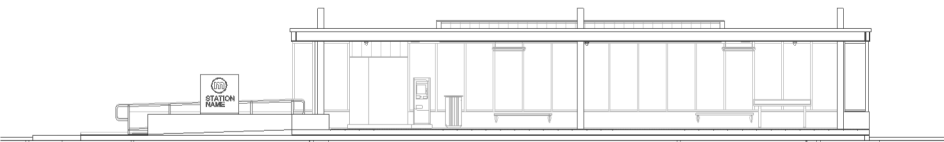
PLATFORM SIZE: 60'-0"L x 10'-0"W
CANOPY SIZE: 23'-5"L x 9'-6"W



7

TYPE A8

Scale: 1" = 20'-0"



8 **ELEVATION 01 - TYPE A8**

Scale: 1" = 20'-0"

PLATFORM TYPE - A8
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

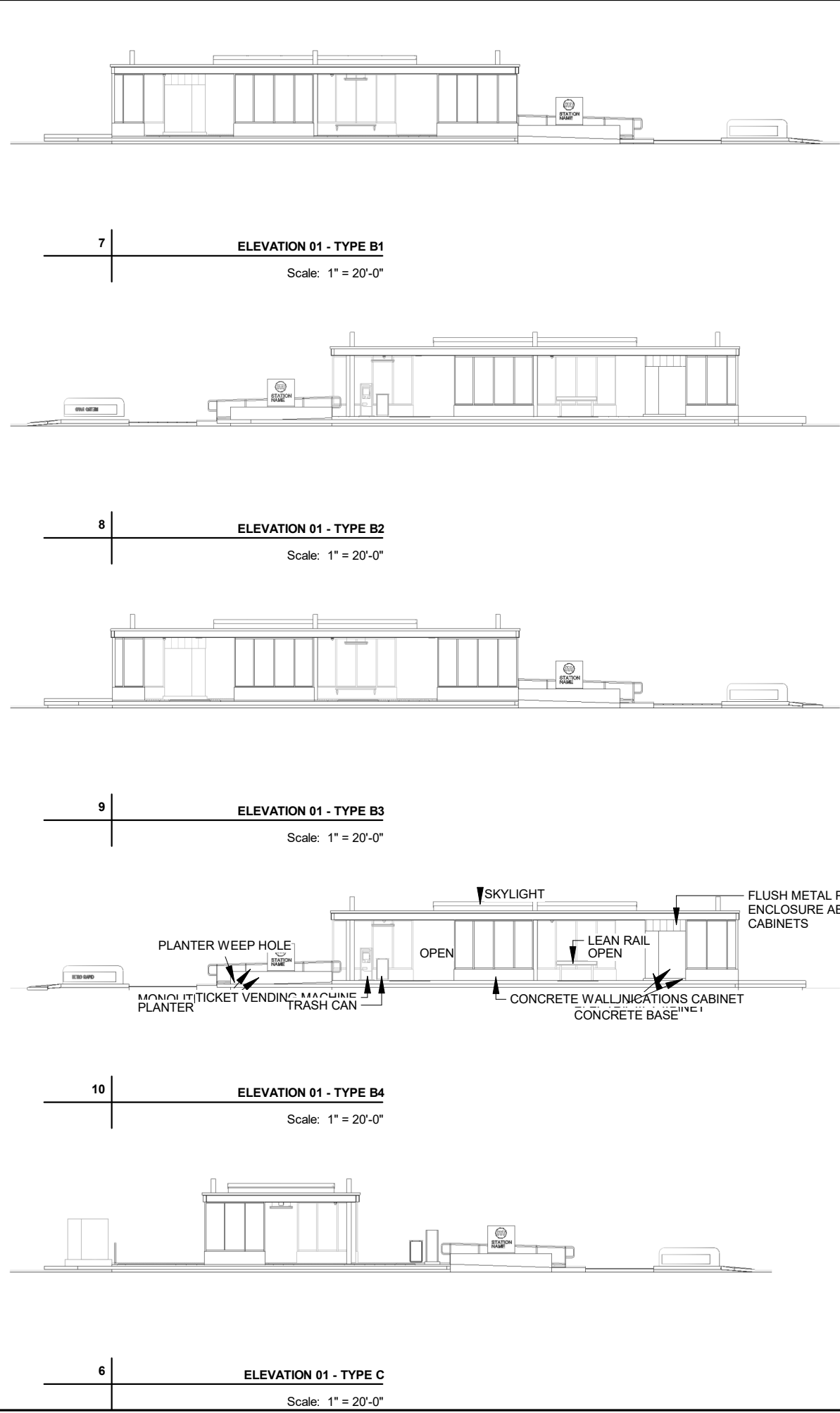
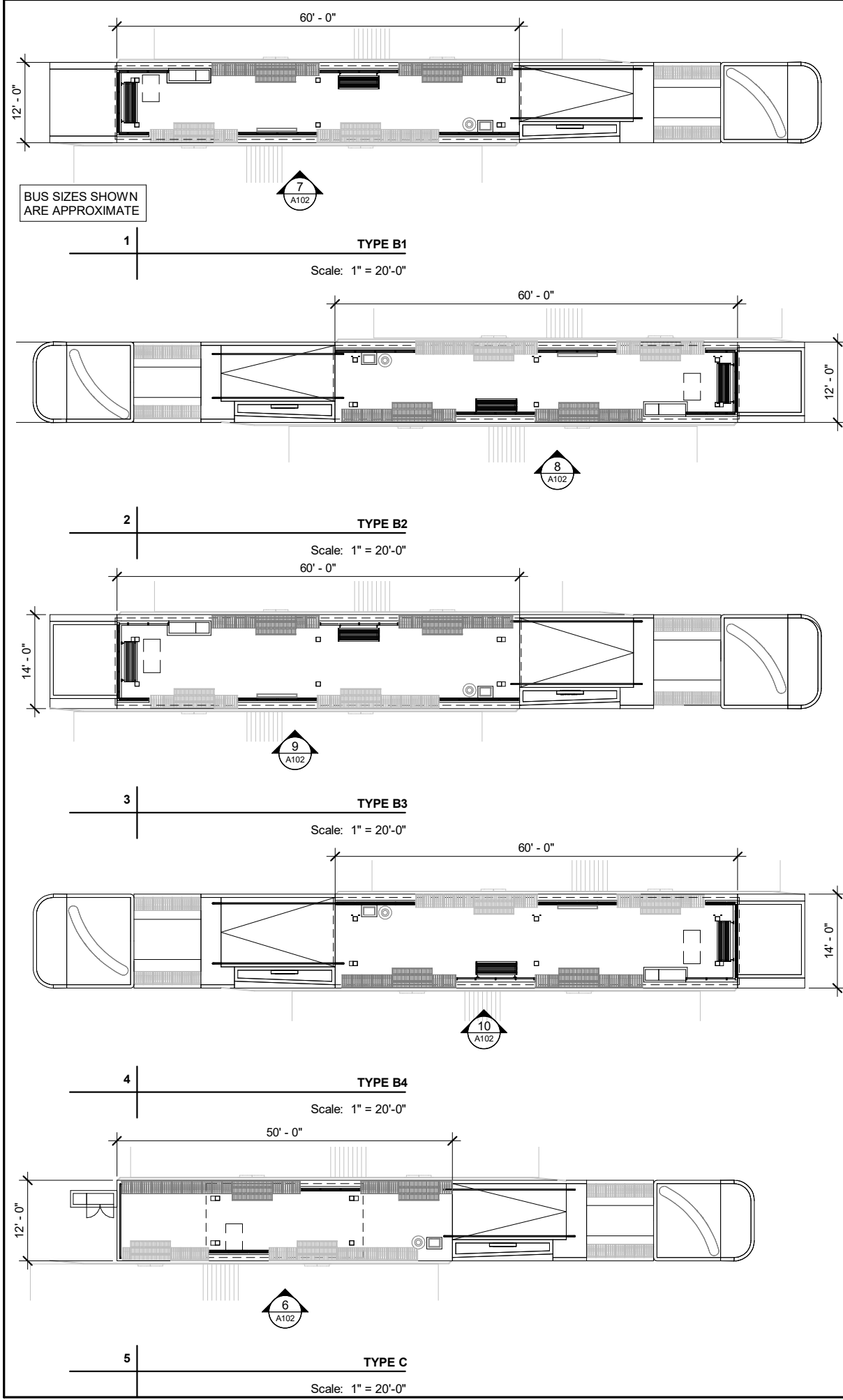
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Designed By:	Date:	2022-03-08	Scale: 1:1000

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

BUS RAPID TRANSIT
 CITY OF MADISON



A101



PLATFORM TYPE - B1
CENTER
ENTRY RIGHT

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

PLATFORM TYPE - B3
CENTER
ENTRY RIGHT

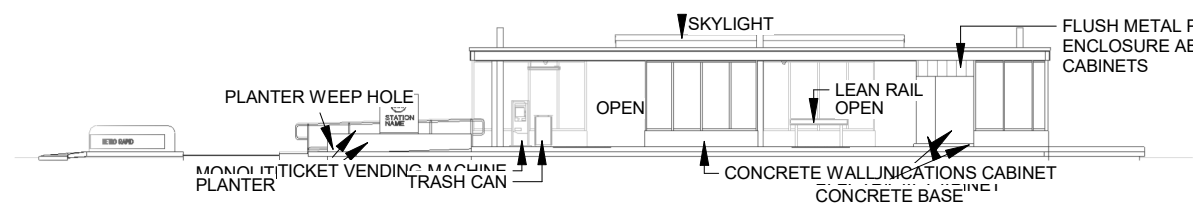
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CANOPY SIZE: 60'-6"L x 13'-0"W

PLATFORM TYPE - B4
CENTER
ENTRY LEFT

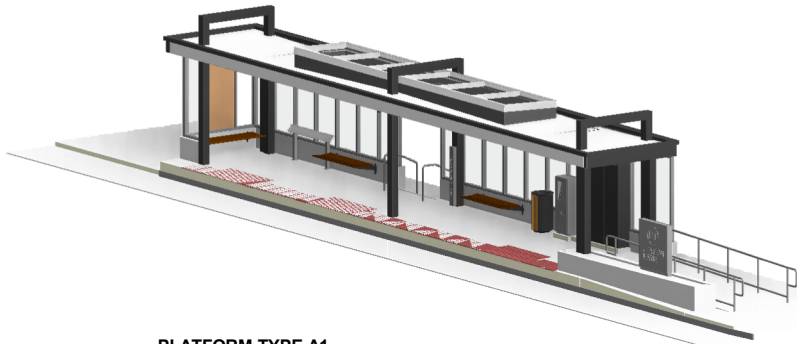
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CANOPY SIZE: 60'-6"L x 13'-0"W

PLATFORM TYPE - C
CENTER REDUCED
ENTRY RIGHT

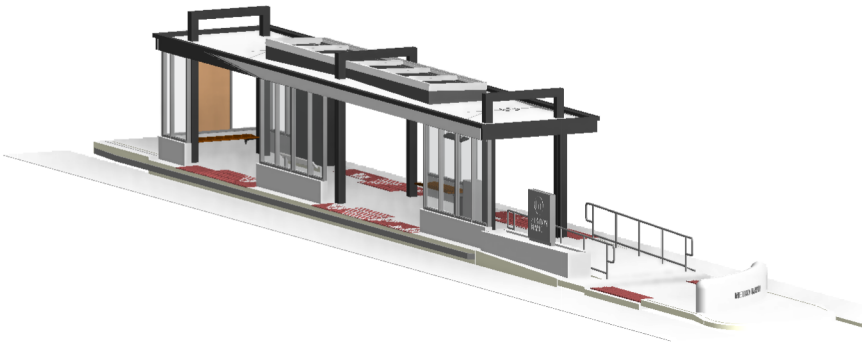
PLATFORM SIZE: 50'-0"L x 12'-0"W
CANOPY SIZE: 23'-5"L x 11'-0"W



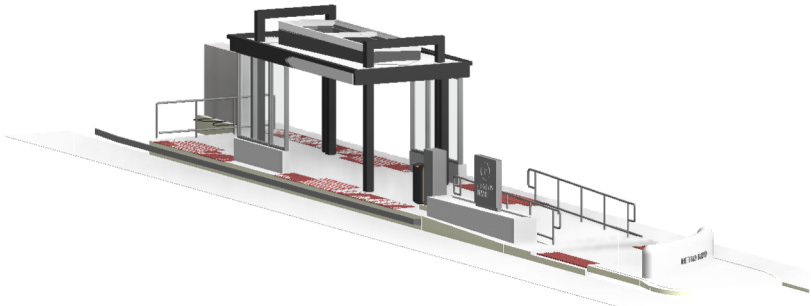
60631225P	60631225C
CITY OF MADISON, DANE COUNTY, WI	CITY OF MADISON
BUS RAPID TRANSIT	
OVERALL STATION TYPES	
A102	
CONTRACT NO: 60631225C	
DATE: 2022-03-08	
REVISION	
MARK	
DESIGNED BY:	
SCALE: 1" = 20'-0"	
BY	



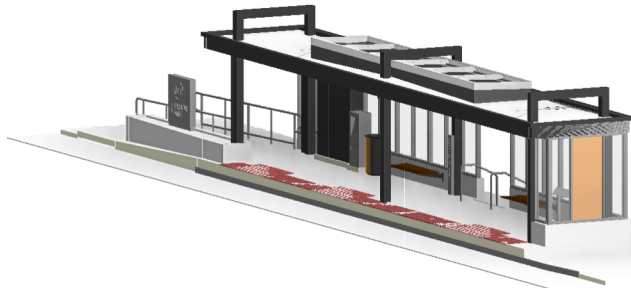
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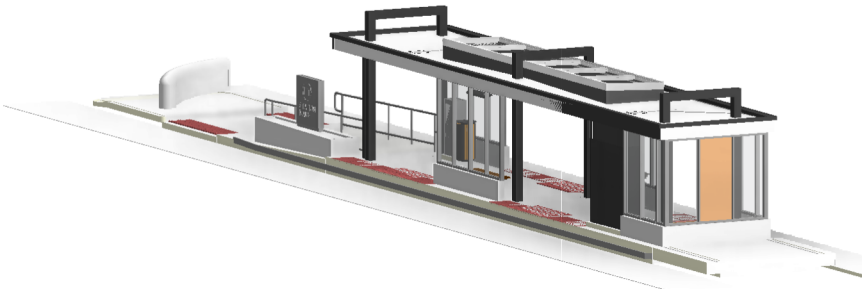
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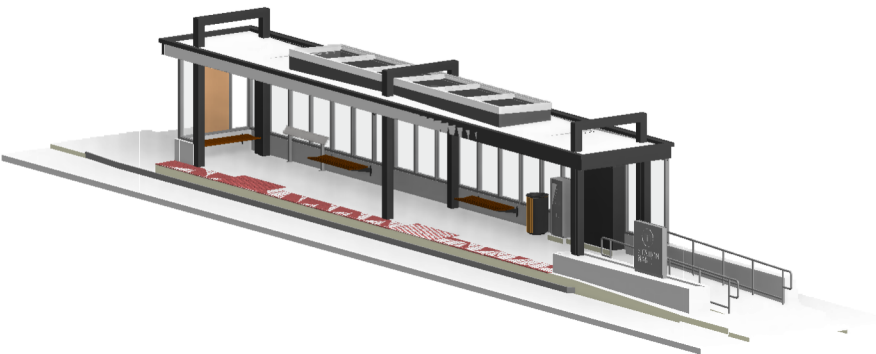
PLATFORM TYPE C



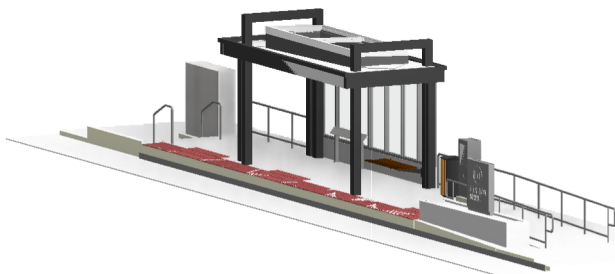
PLATFORM TYPE A2



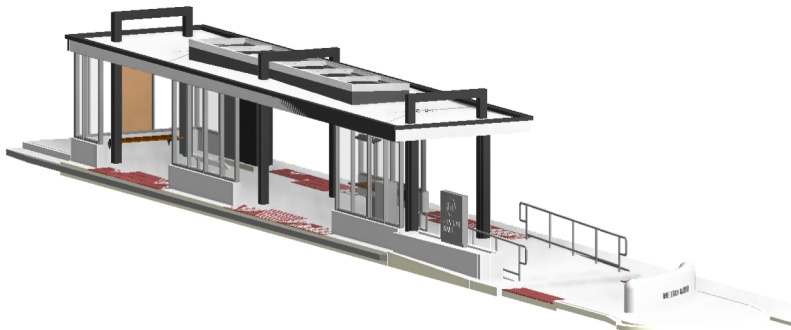
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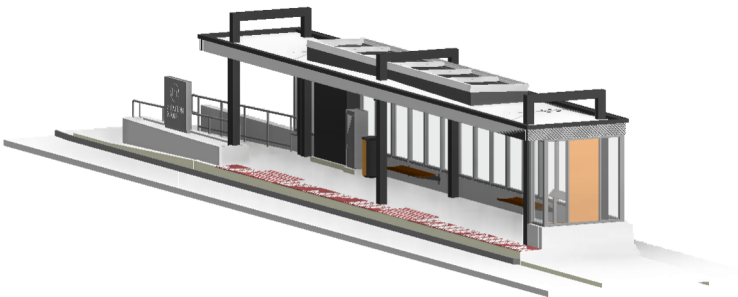
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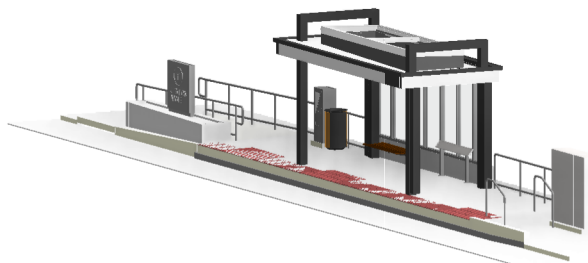
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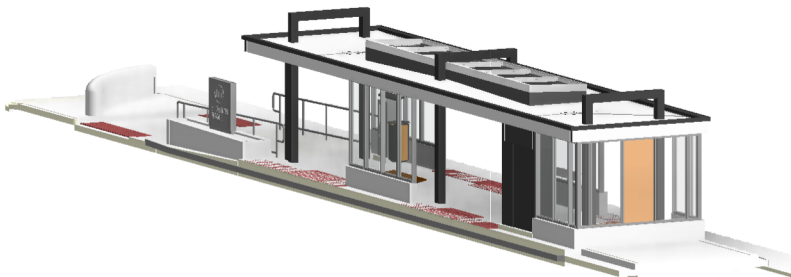
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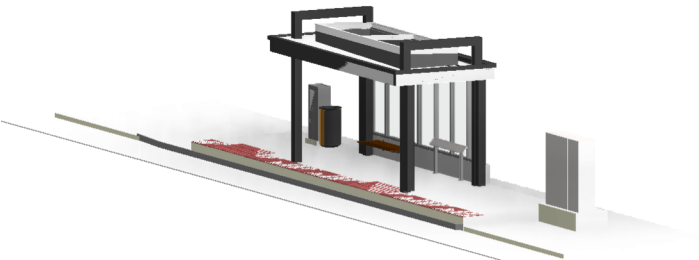
PLATFORM TYPE A6



PLATFORM TYPE A4



PLATFORM TYPE B4



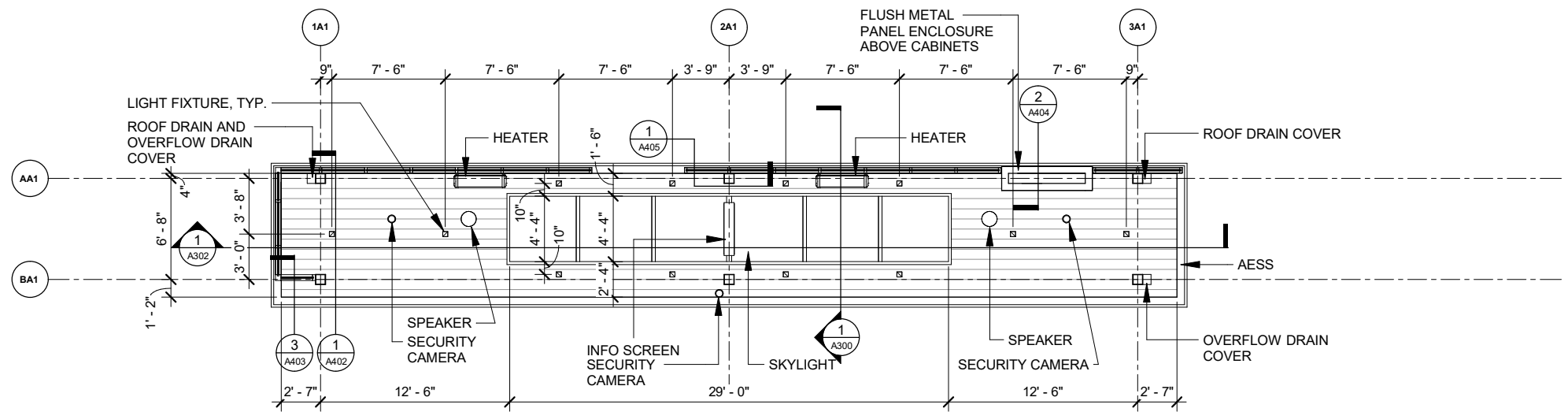
PLATFORM TYPE A7

BY	DATE	REVISION	MARK	Designed By:	Scale: --

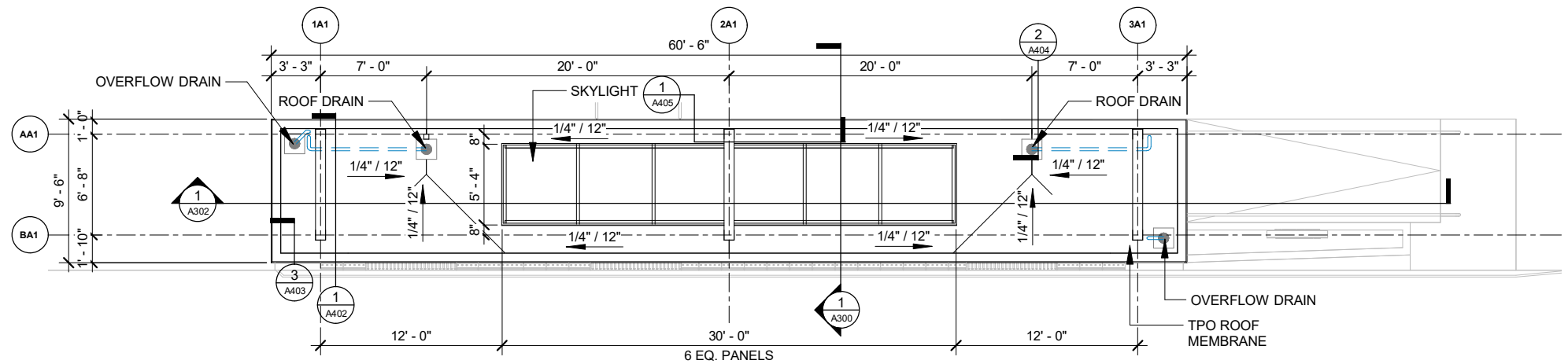
60631225P
CITY OF MADISON, DANE COUNTY, WI
CONTRACT NO: 60631225C

OVERALL PLATFORM 3D VIEWS
BUS RAPID TRANSIT
CITY OF MADISON

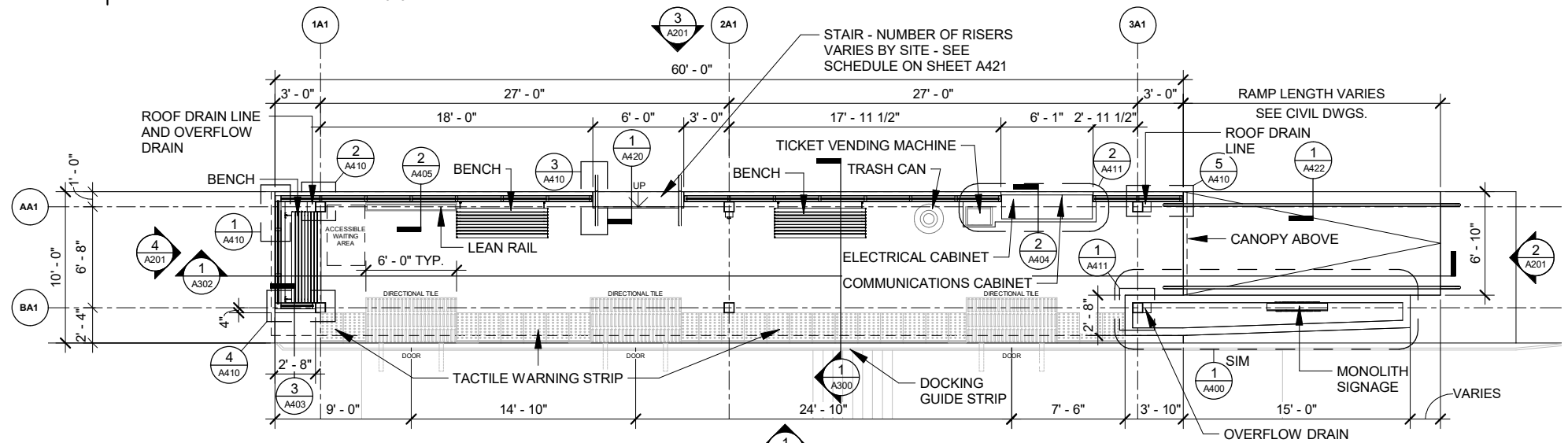




3
CEILING PLAN - PLATFORM TYPE A1
Scale: 1" = 10'-0"



2
ROOF PLAN - PLATFORM TYPE A1
Scale: 1" = 10'-0"



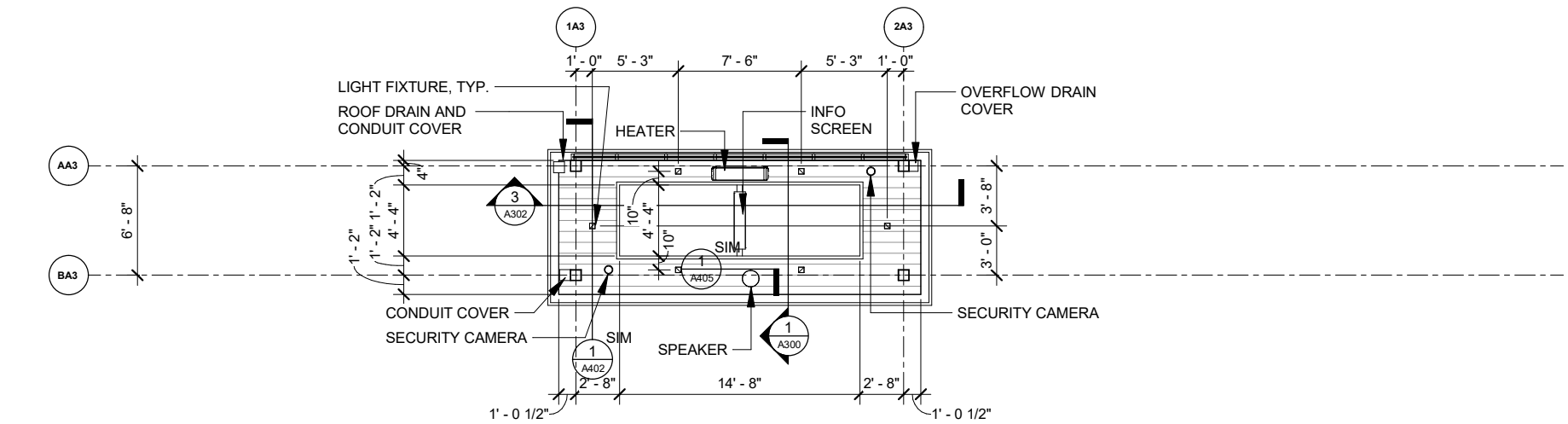
1
FLOOR PLAN - PLATFORM TYPE A1
Scale: 1" = 10'-0"

MARK	REVISION	DATE	BY

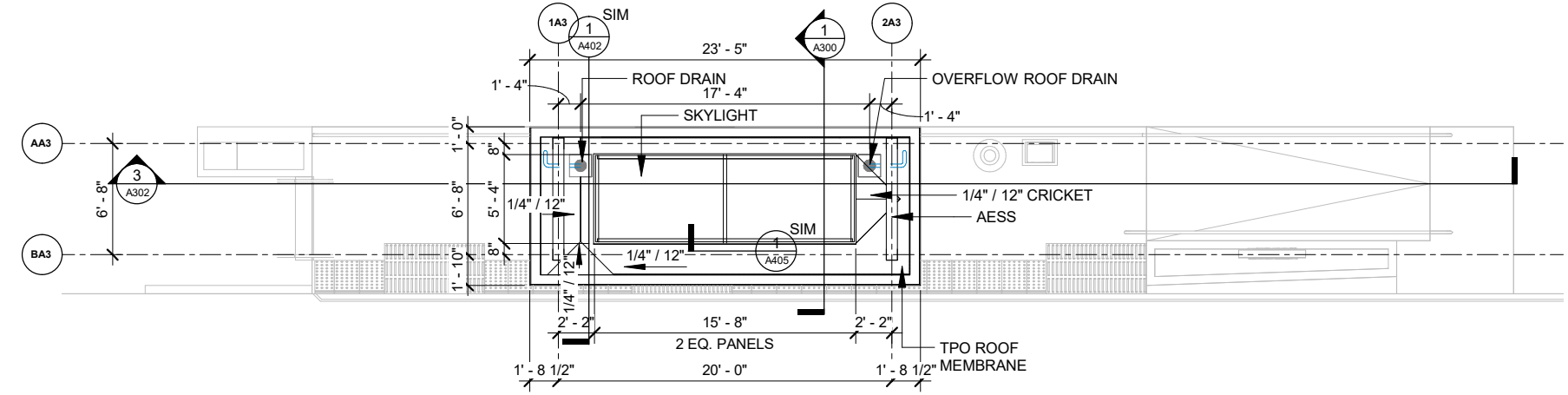
60631225P
CITY OF MADISON, DANE COUNTY, WI
CONTRACT NO: 60631225C

PLATFORM TYPE A1
BUS RAPID TRANSIT
CITY OF MADISON

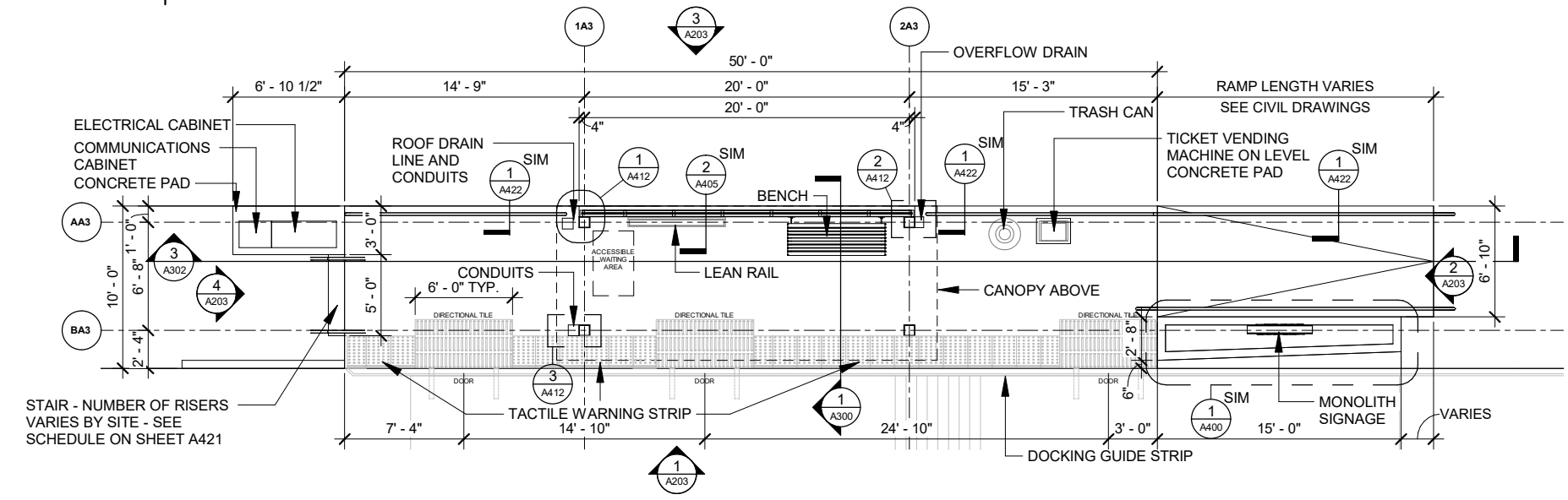




3 | **CEILING PLAN - PLATFORM TYPE A3**
Scale: 1" = 10'-0"



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



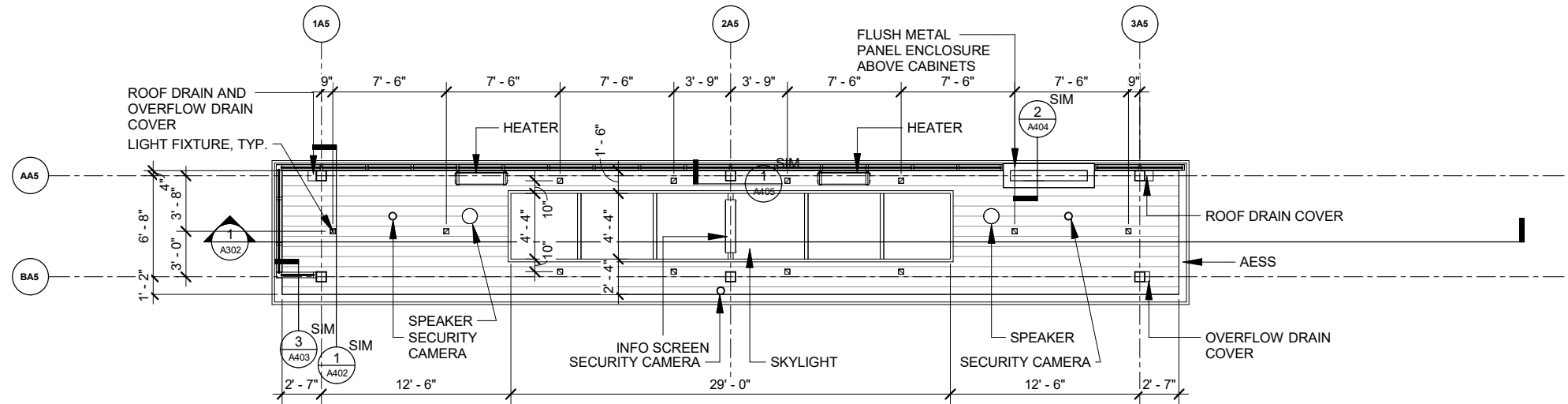
1 | **FLOOR PLAN - PLATFORM TYPE A3**
Scale: 1" = 10'-0"

DATE	BY
REVISION	MARK
DESIGNED BY	DATE: 2022-03-08
SCALE: 1" = 10'-0"	

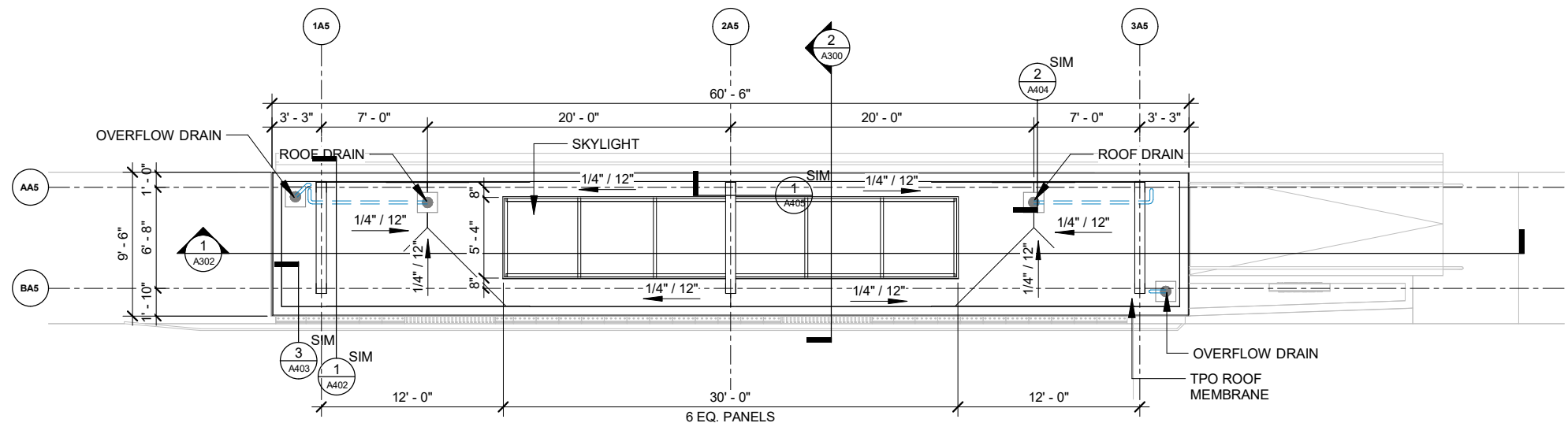
60631225P
CITY OF MADISON, DANE COUNTY, WI
CONTRACT NO: 60631225C

PLATFORM TYPE A3
BUS RAPID TRANSIT
CITY OF MADISON

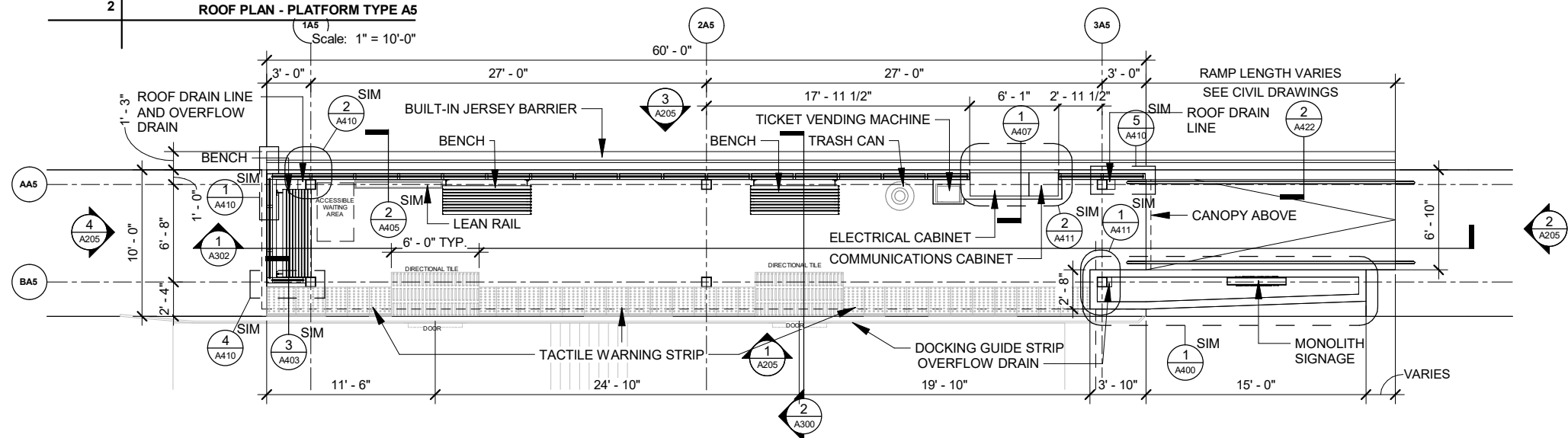




3
CEILING PLAN - PLATFORM TYPE A5
Scale: 1" = 10'-0"



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



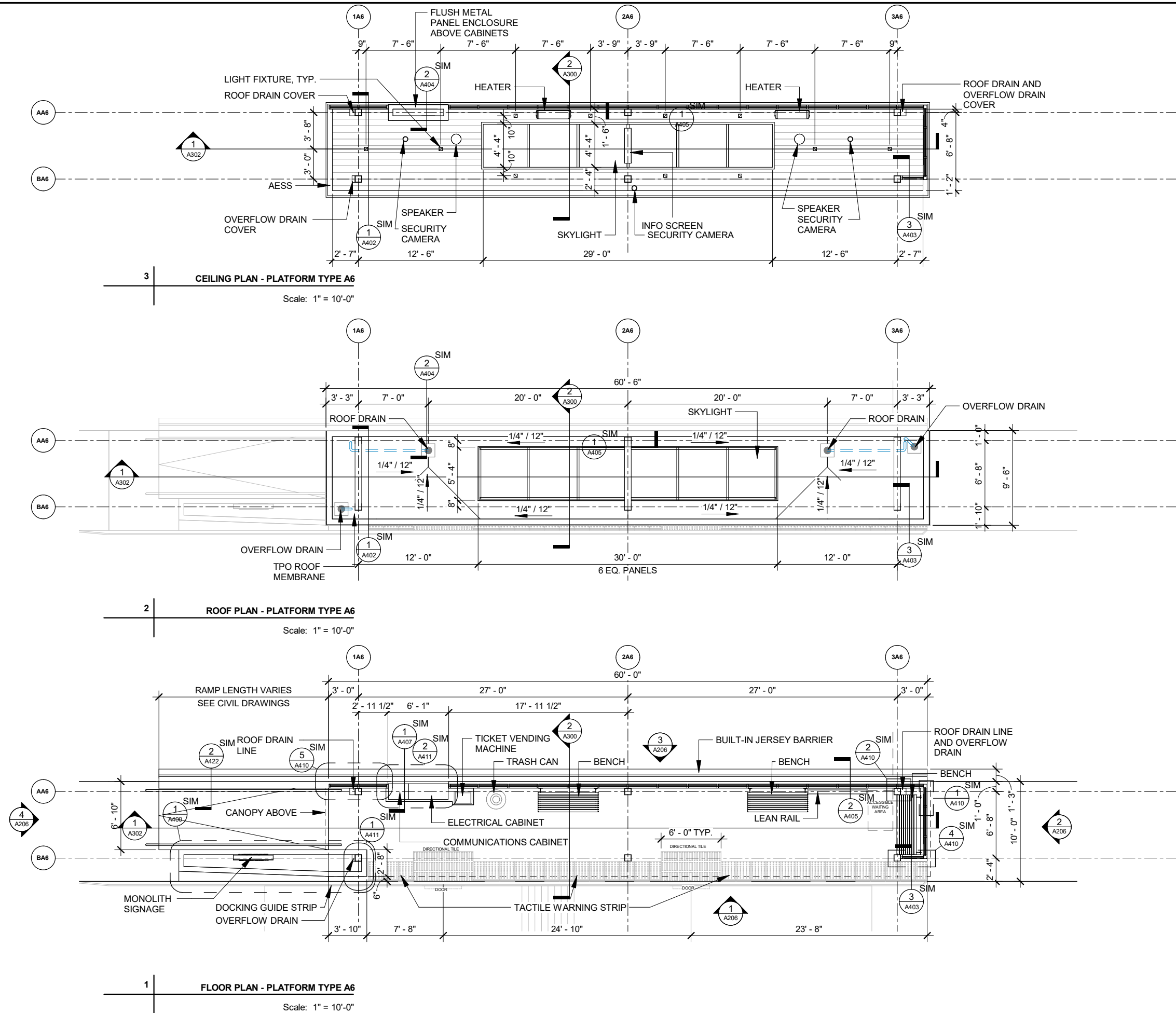
1
FLOOR PLAN - PLATFORM TYPE A5
Scale: 1" = 10'-0"

MARK	REVISION	DATE	BY

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

PLATFORM TYPE A5
BUS RAPID TRANSIT
CITY OF MADISON



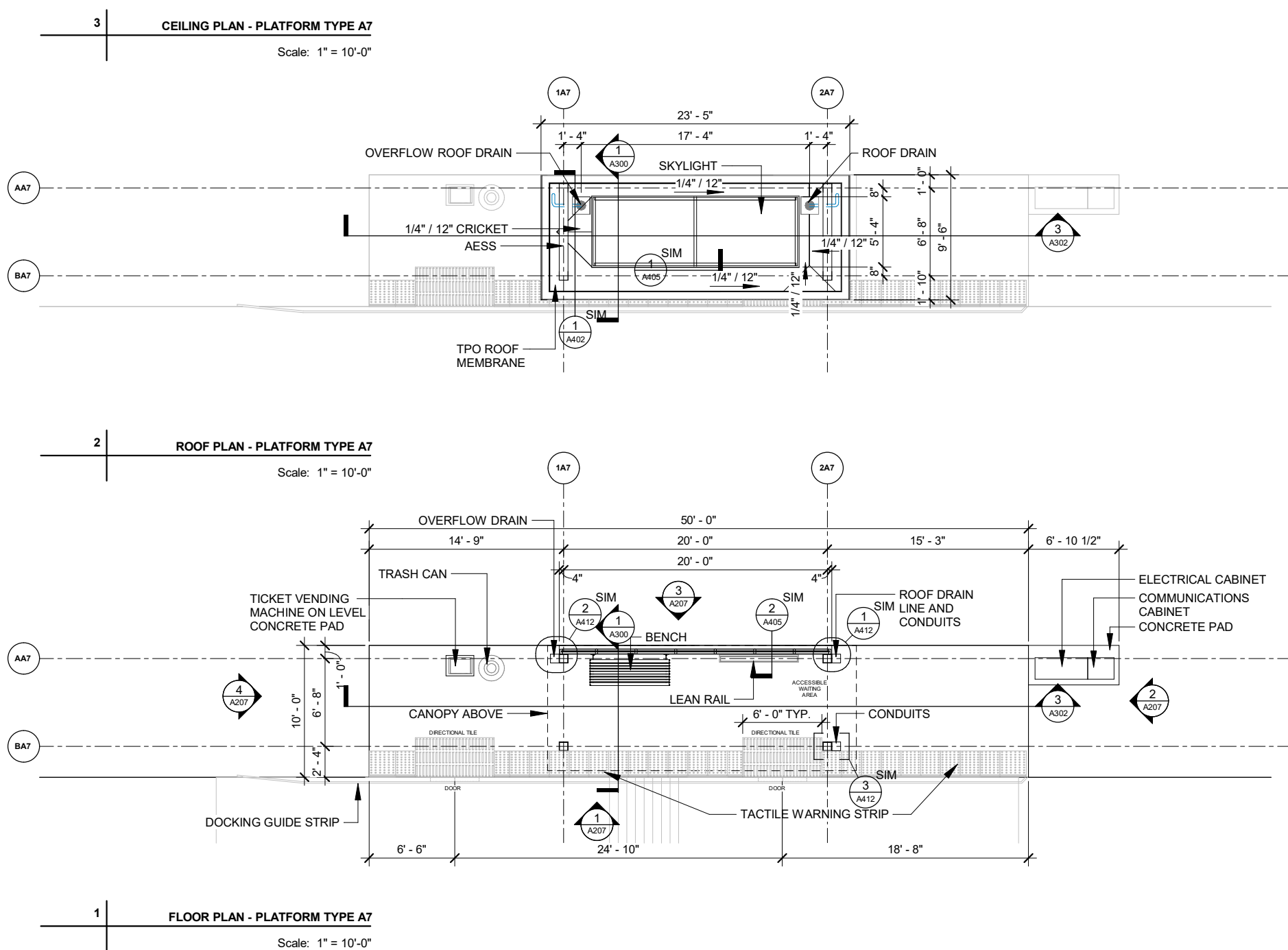


DATE	BY
REVISION	MARK
DESIGNED BY	DATE: 2022-03-08
Scale: 1" = 10'-0"	

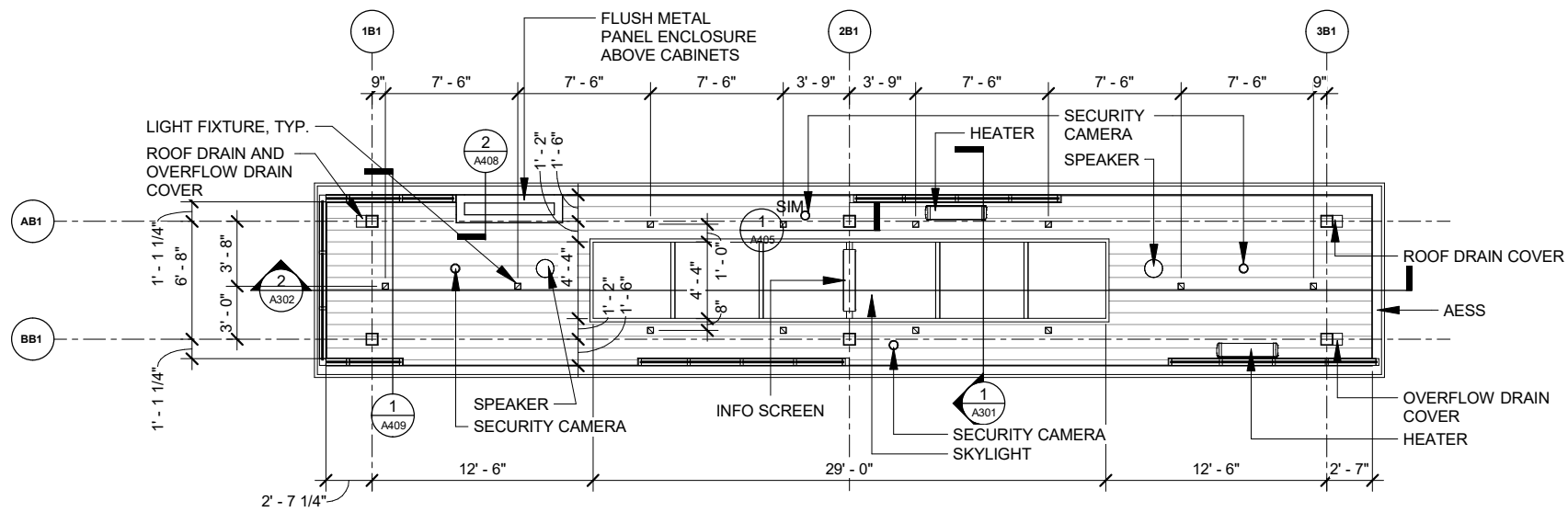
60631225P
CITY OF MADISON, DANE COUNTY, WI
CONTRACT NO: 60631225C

PLATFORM TYPE A6
BUS RAPID TRANSIT
CITY OF MADISON



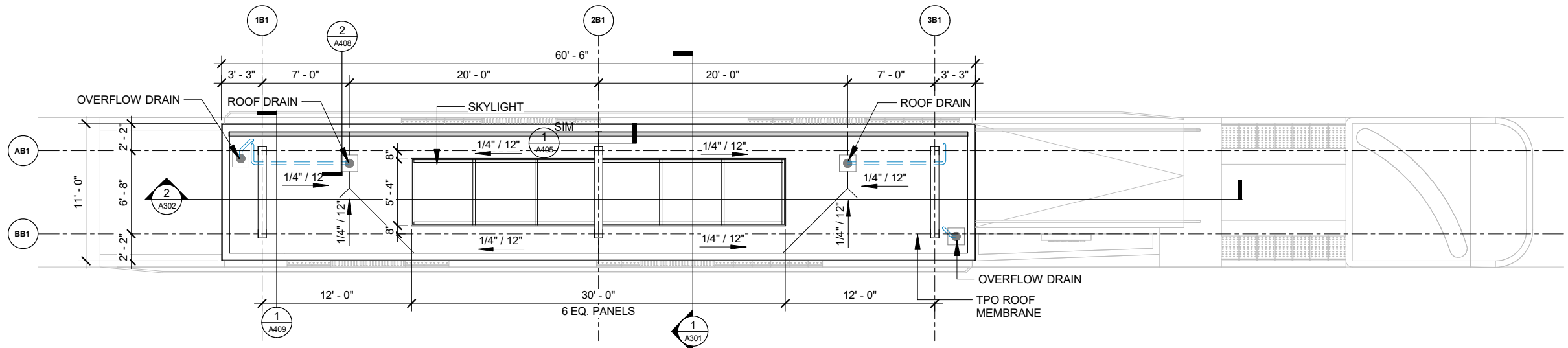


	PLATFORM TYPE A7		60631225P	
	BUS RAPID TRANSIT		CITY OF MADISON, DANE COUNTY, WI	
	CITY OF MADISON		CONTRACT NO: 60631225C	
	A116			
		MARK	REVISION	DATE
		Designed By:	Scale: --	BY
			Date: 2022-03-08	



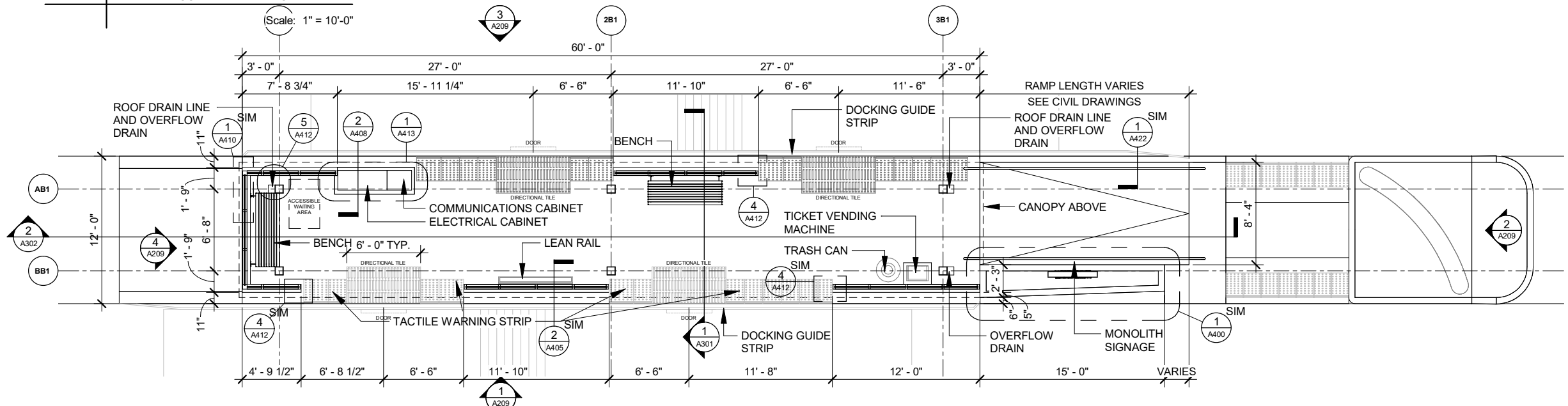
3 CEILING PLAN - PLATFORM TYPE B1

Scale: 1" = 10'-0"



2 ROOF PLAN - PLATFORM TYPE B1

Scale: 1" = 10'-0"



1 FLOOR PLAN - PLATFORM TYPE B1

Scale: 1" = 10'-0"

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CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

PLATFORM TYPE B1

BUS RAPID TRANSIT

CITY OF MADISON



A118

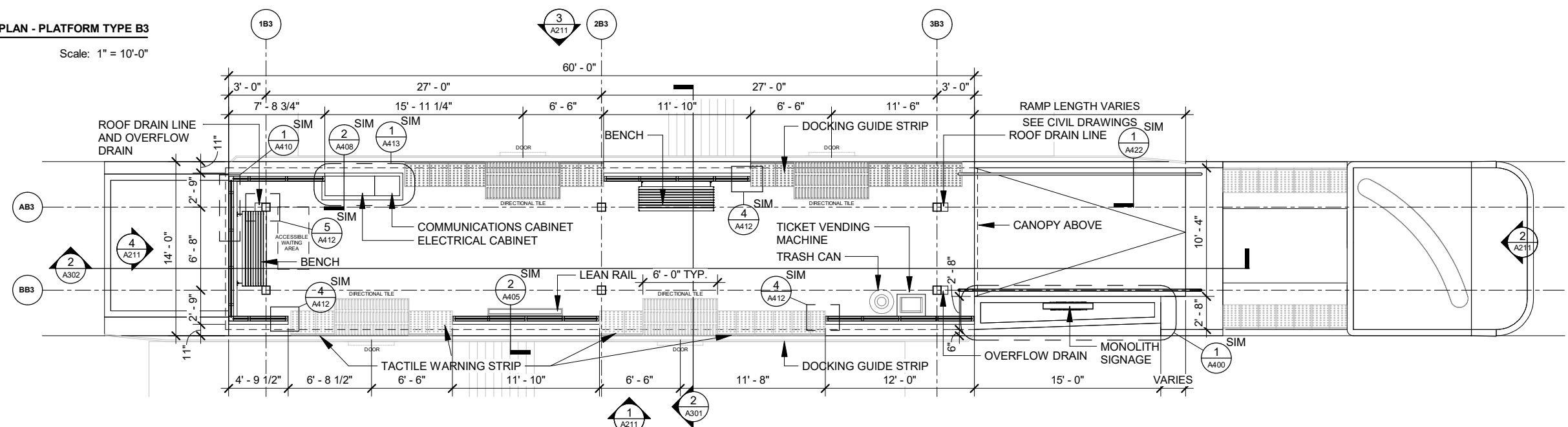
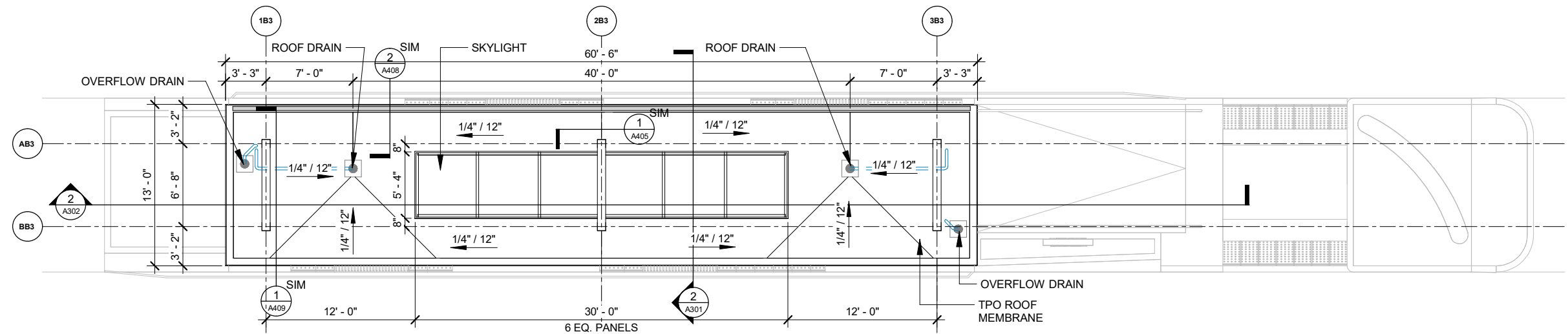
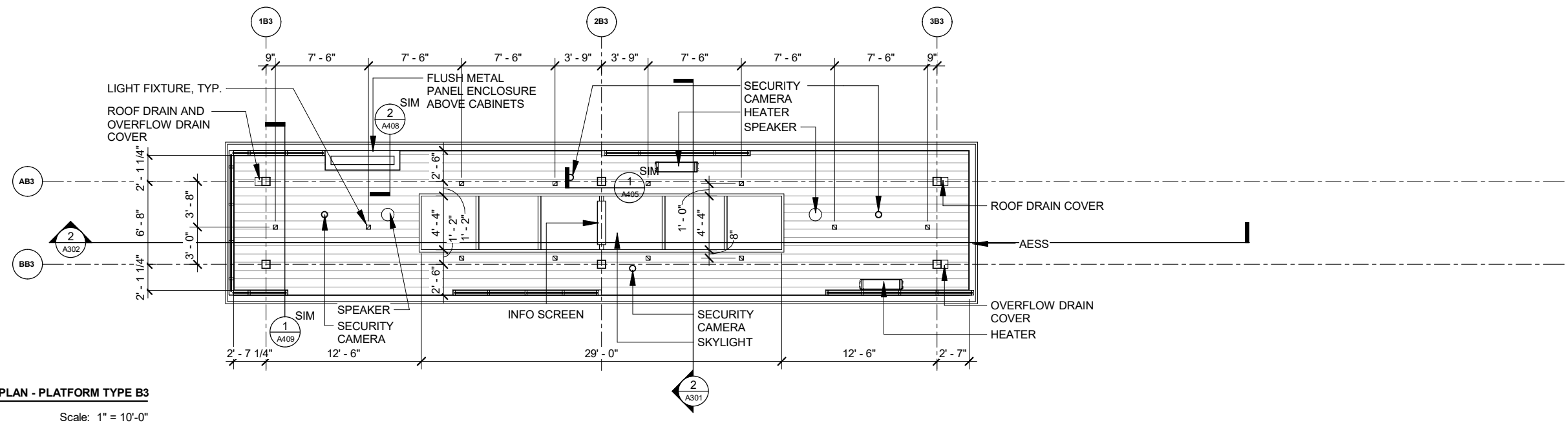
MARK	REVISION	DATE	BY

Designed By: _____

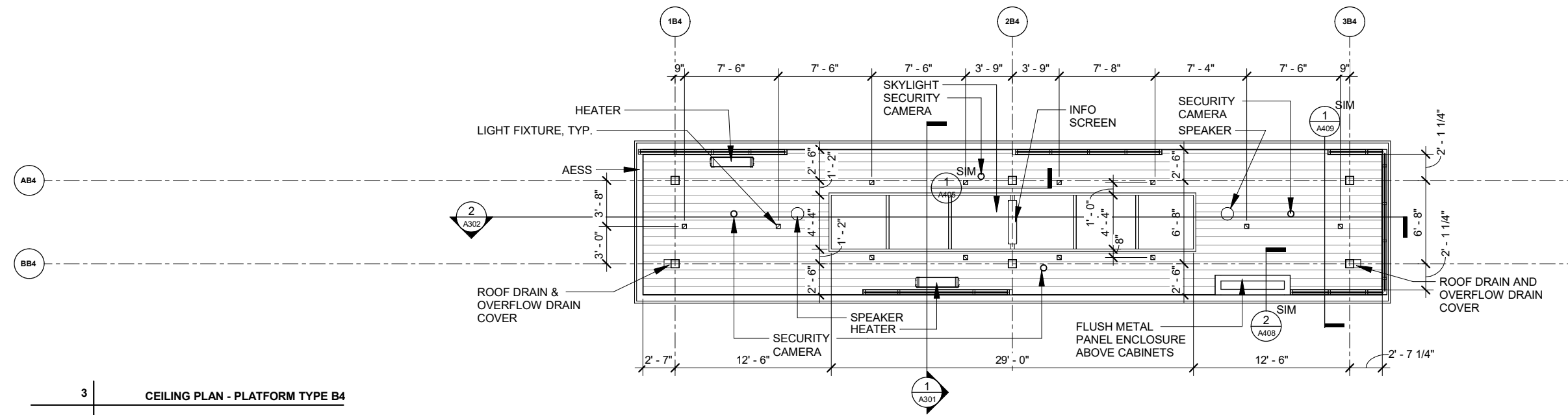
Date: 2022-03-08

Scale: 1" = 10'-0"

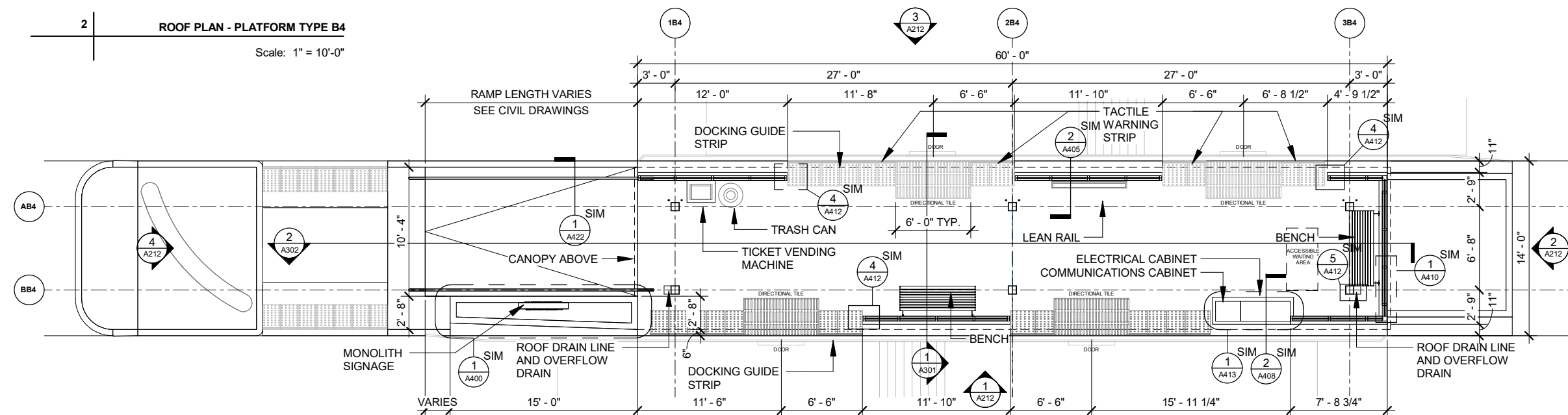




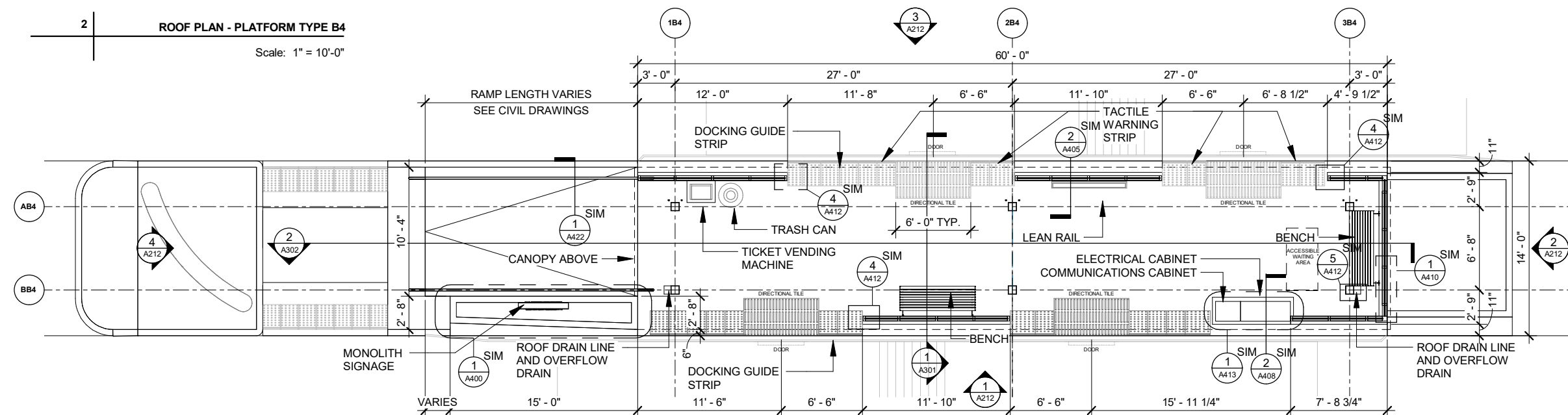
3 | **CEILING PLAN - PLATFORM TYPE B4**
Scale: 1" = 10'-0"

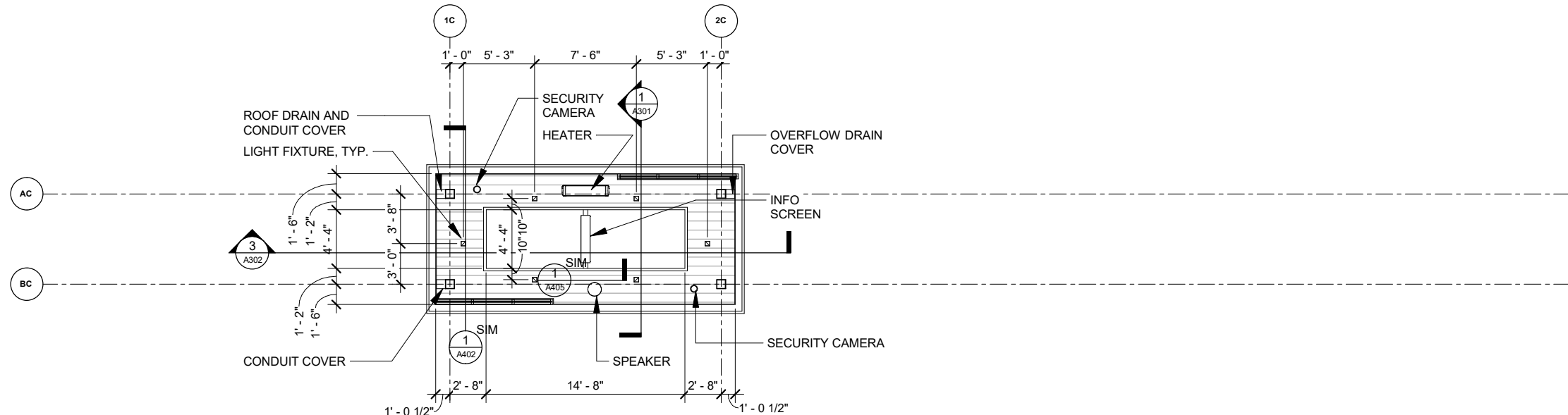


2 | **ROOF PLAN - PLATFORM TYPE B4**
Scale: 1" = 10'-0"

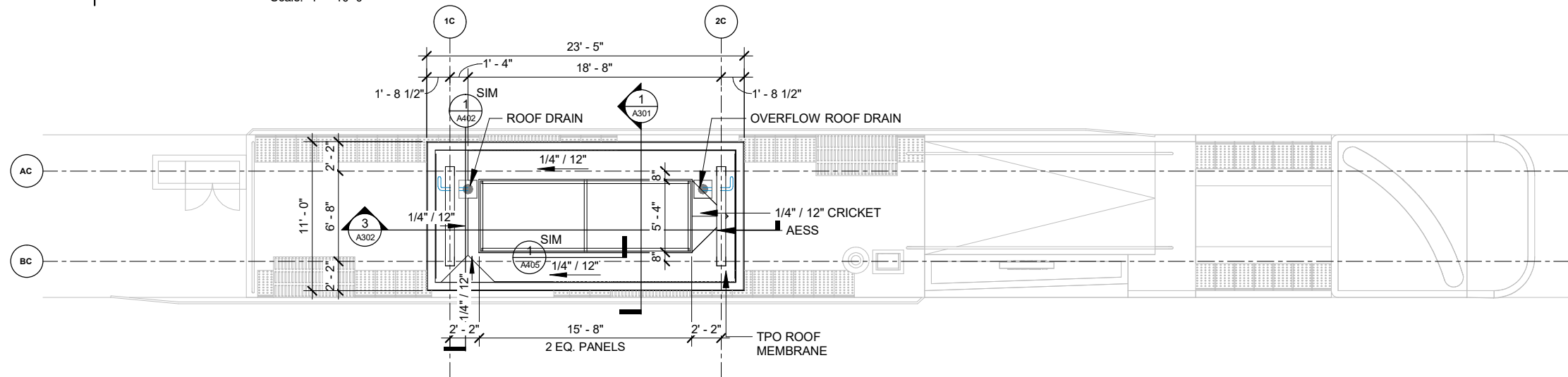


1 | **FLOOR PLAN - PLATFORM TYPE B4**
Scale: 1" = 10'-0"

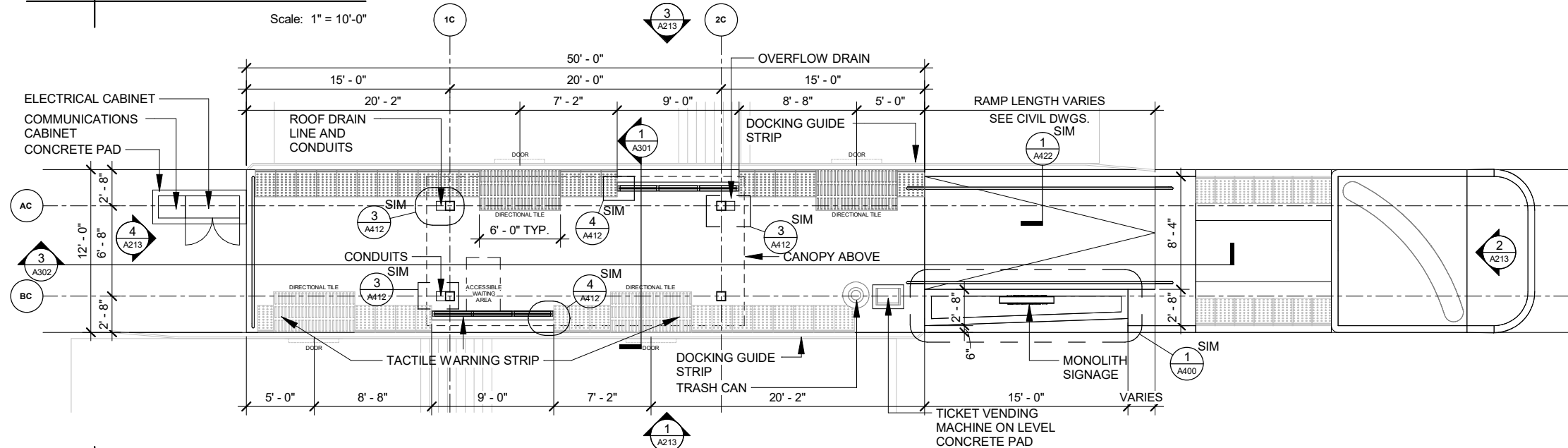




3
CEILING PLAN - PLATFORM TYPE C
Scale: 1" = 10'-0"



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



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

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CITY OF MADISON, DANE COUNTY, WI

60631225C
CONTRACT NO: 60631225C

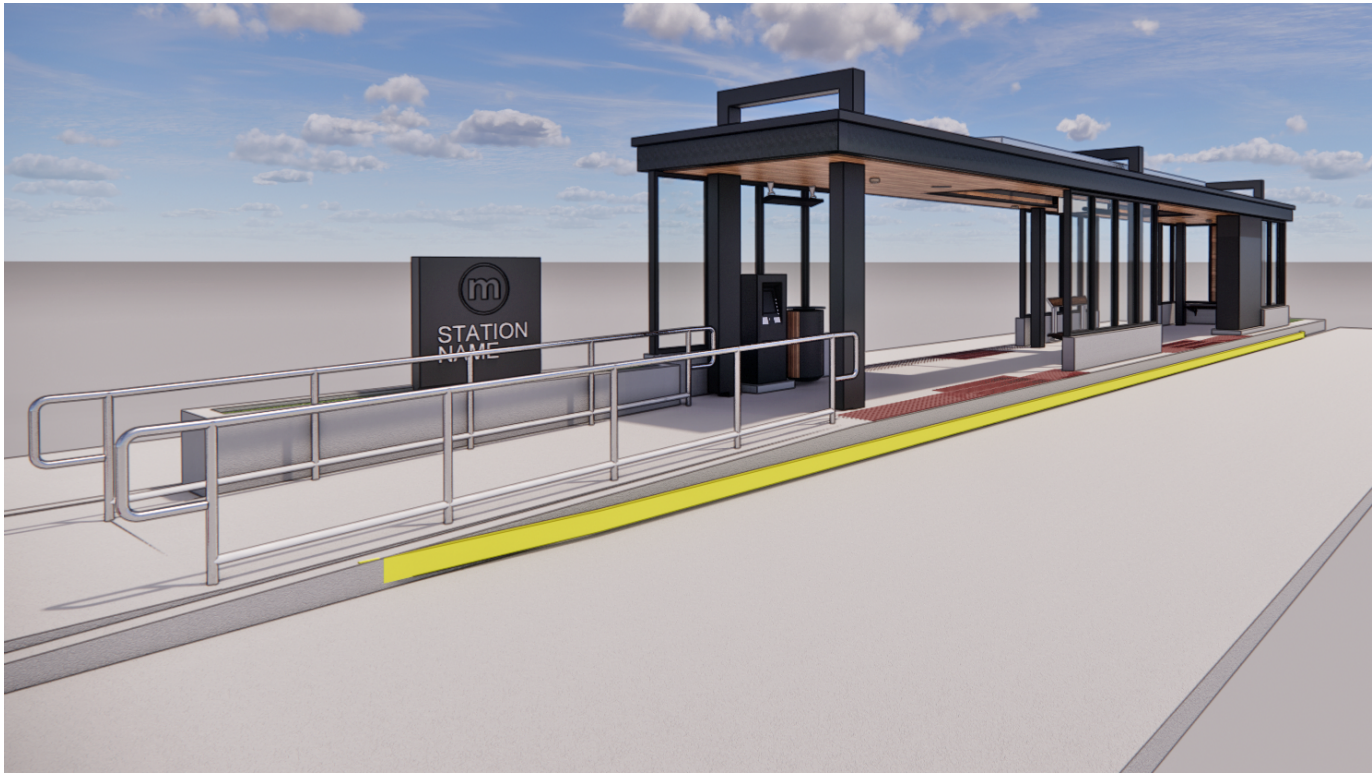




PLATFORM A1 CURBSIDE PERSPECTIVE




PLATFORM A1 CURBSIDE PERSPECTIVE

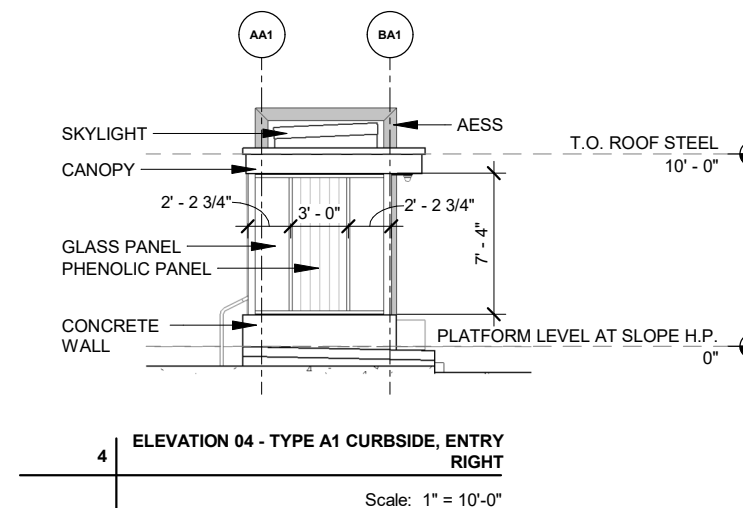
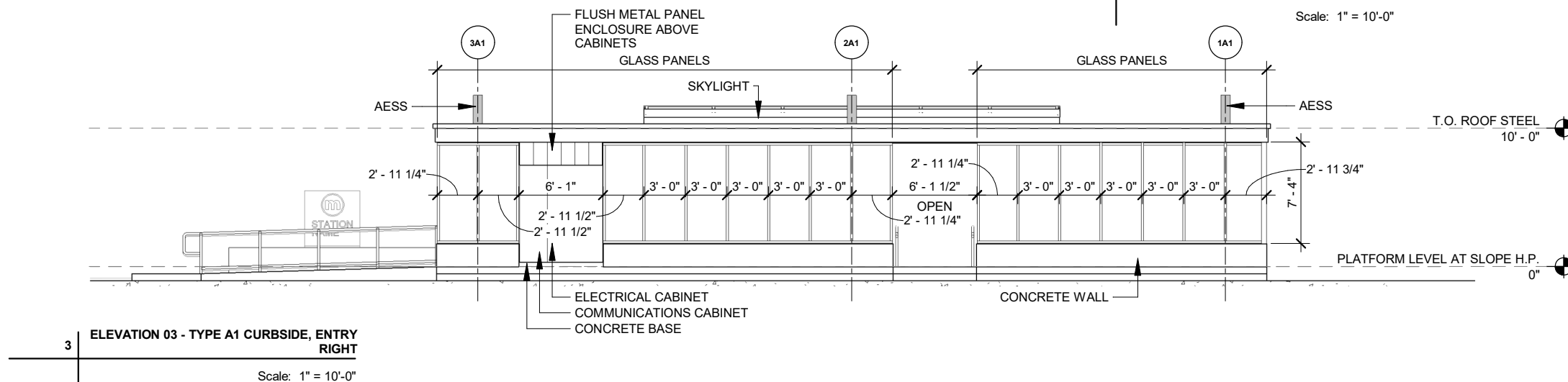
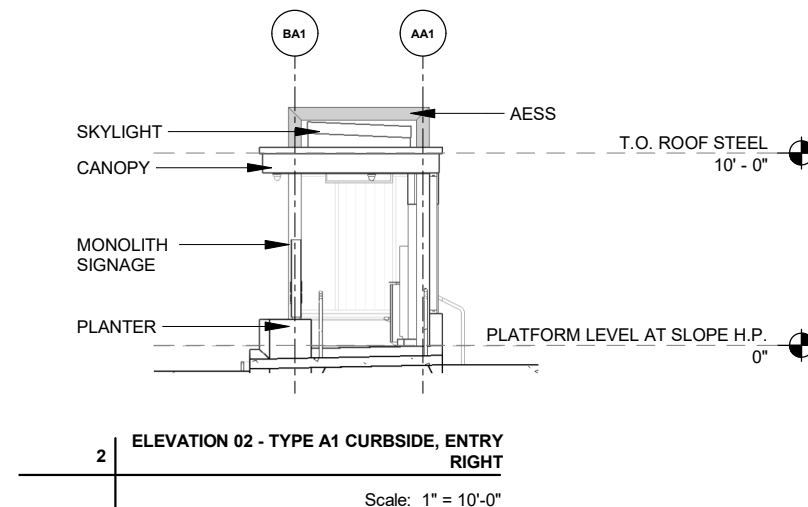
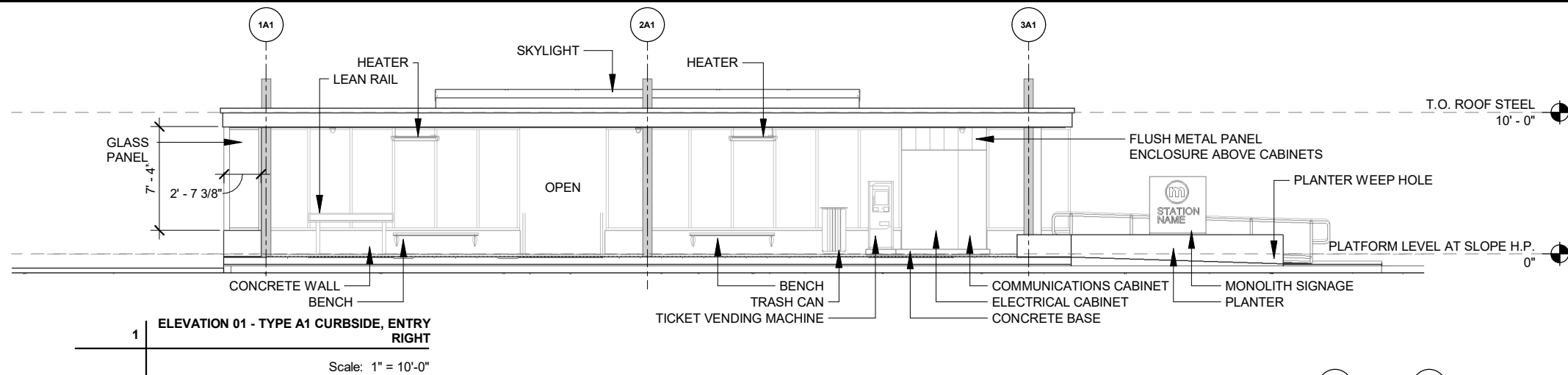


PLATFORM B1 CENTER PERSPECTIVE



PLATFORM B1 CENTER PERSPECTIVE

	PLATFORM RENDERINGS BUS RAPID TRANSIT CITY OF MADISON	60631225P CITY OF MADISON, DANE COUNTY, WI CONTRACT NO: 60631225C	MARK REVISION DATE BY	Scale: --- Date: 2022-03-08 Designed By:	



REVISION	DATE	BY

60631225P

CITY OF MADISON, DANE COUNTY, WI

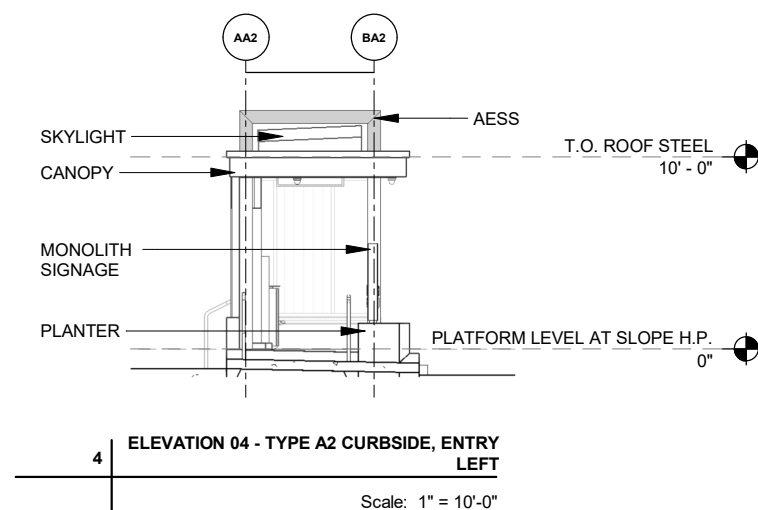
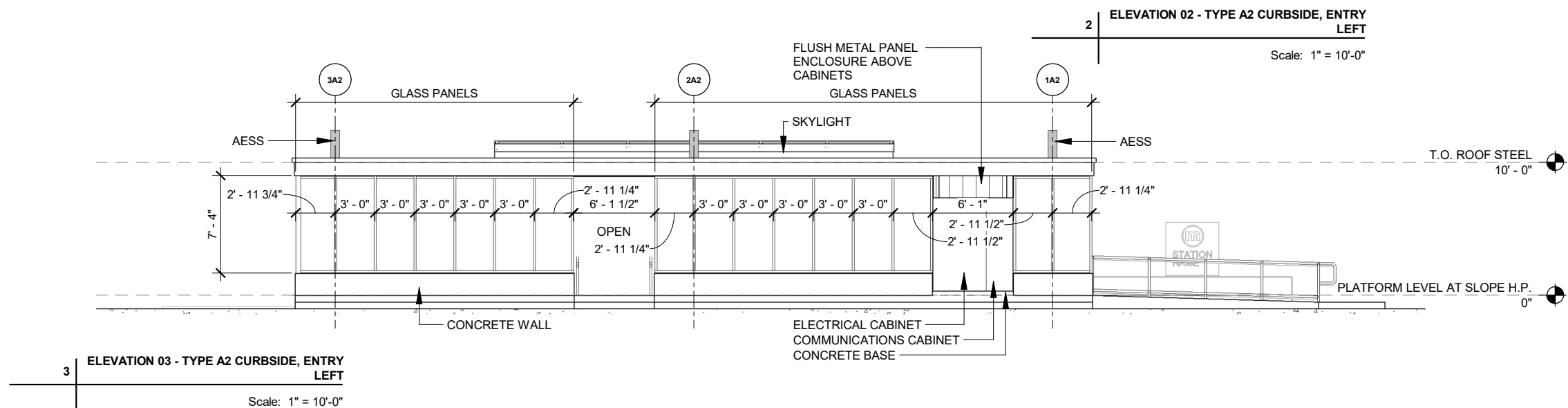
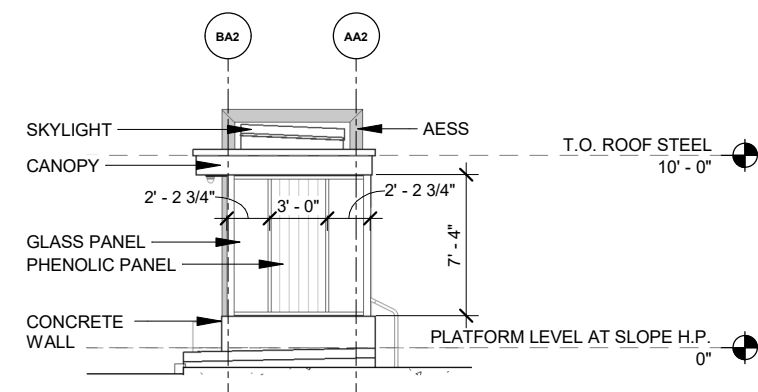
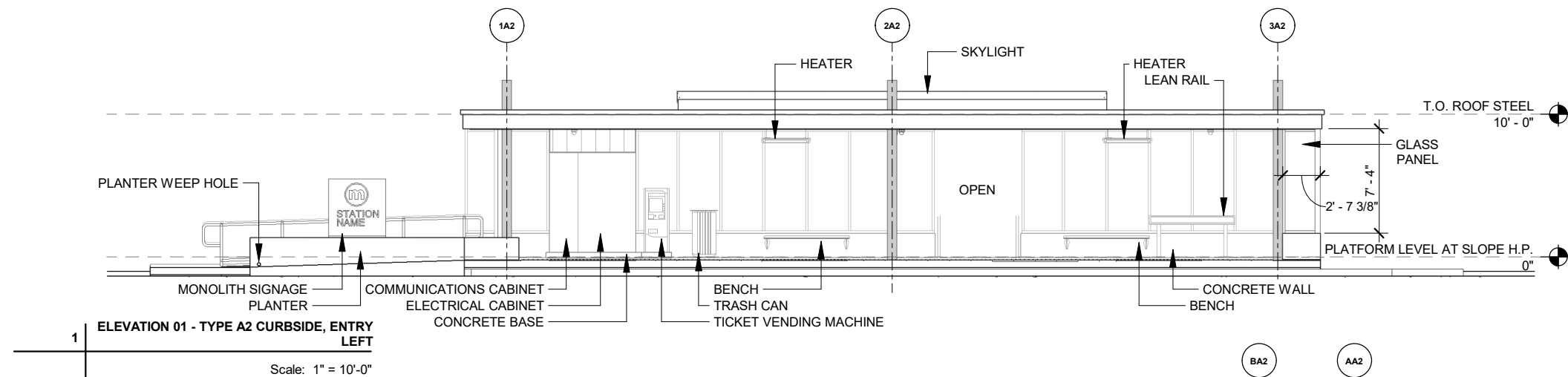
CONTRACT NO: 60631225C

ELEVATION PLATFORM TYPE A1

BUS RAPID TRANSIT

CITY OF MADISON





MARK	REVISION	DATE	BY
100.00	1.0	10/10/2022	100.00
100.00	2.0	10/10/2022	100.00
100.00	3.0	10/10/2022	100.00
100.00	4.0	10/10/2022	100.00

60631225P

CITY OF MADISON, DANE COUNTY, WI
5000 12201

CONTRACT NO: 60631225C

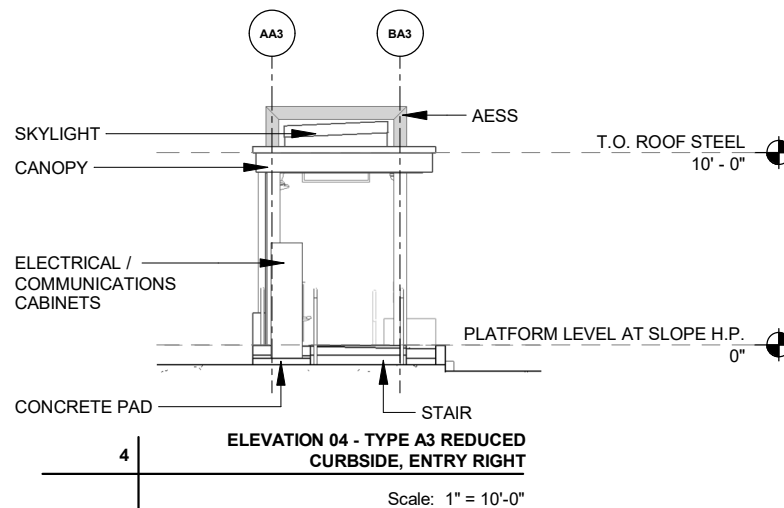
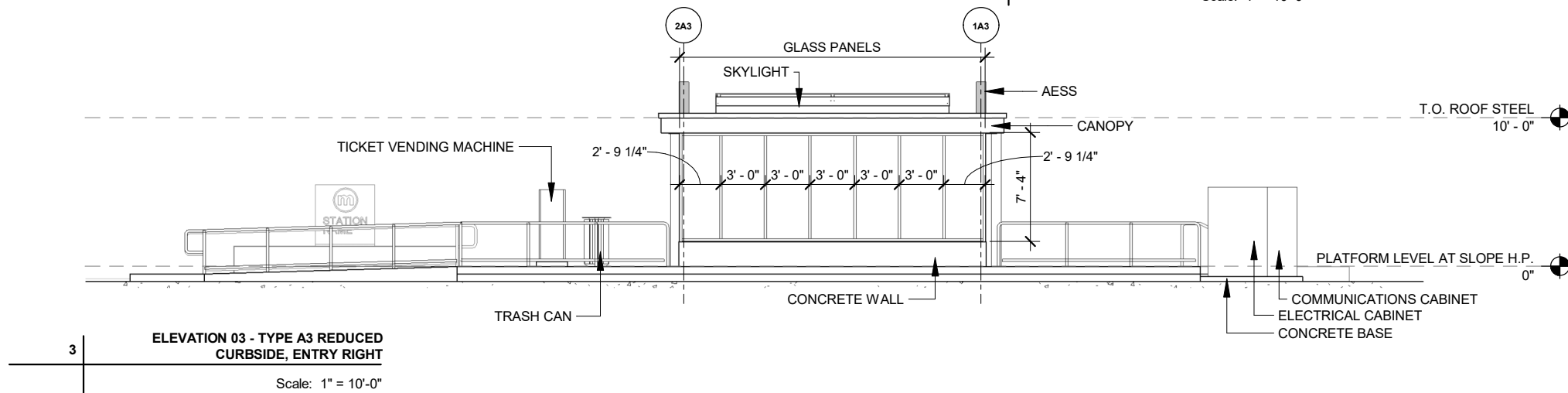
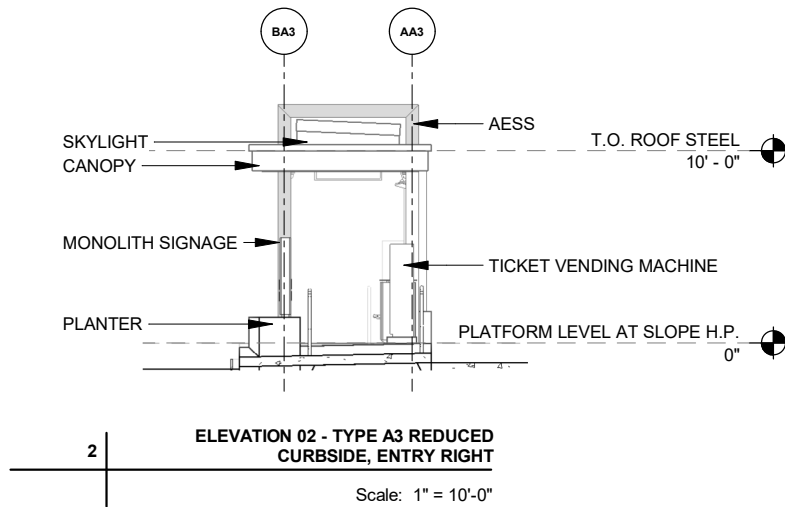
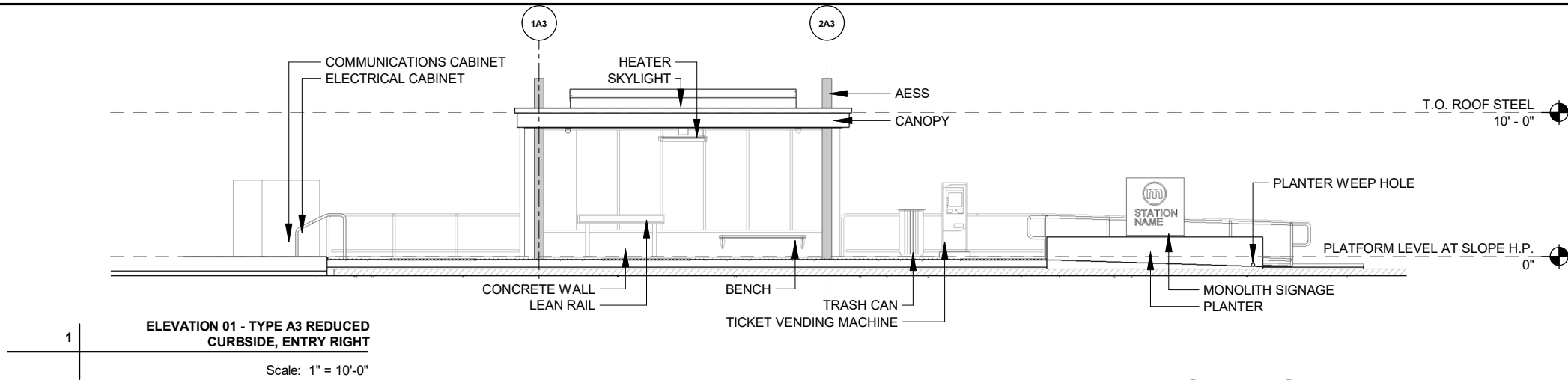
ELEVATION PLATFORM TYPE A2

BUS RAPID TRANSIT

CITY OF MADISON



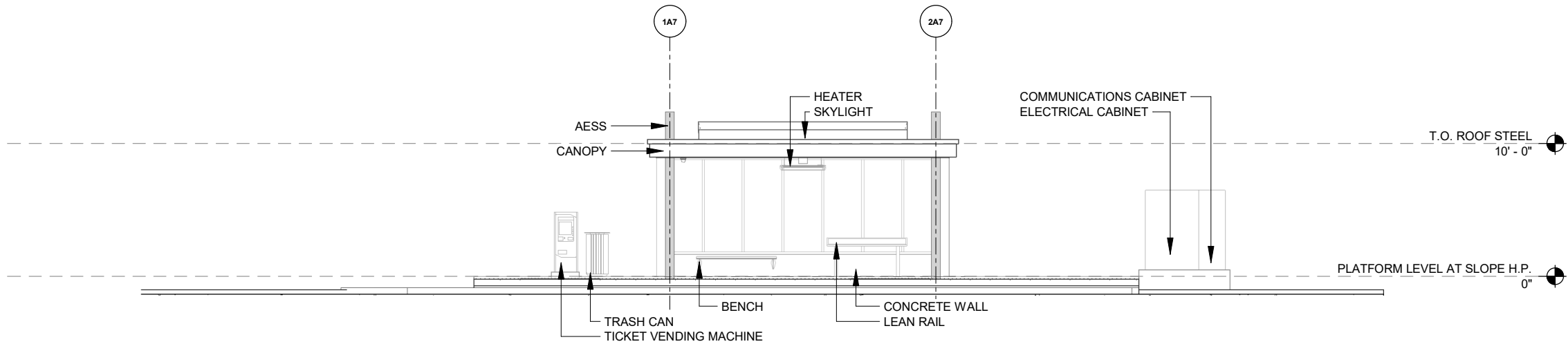
A202



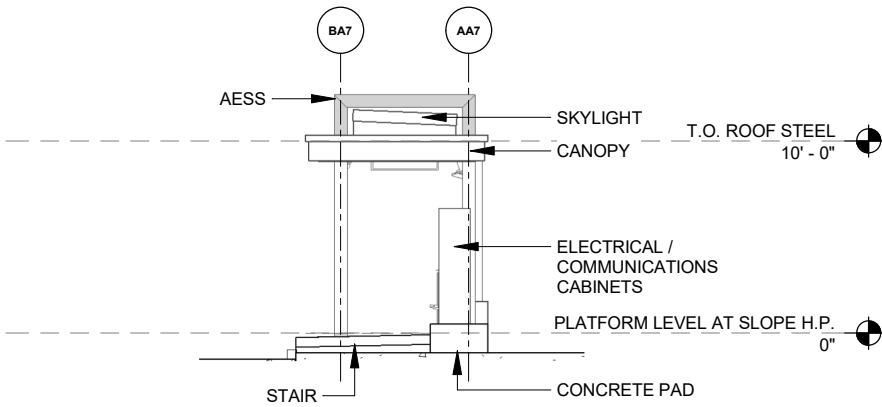
MARK	REVISION	DATE	BY

60631225P
CITY OF MADISON, DANE COUNTY, WI
CONTRACT NO: 60631225C
ELEVATION PLATFORM TYPE A3
BUS RAPID TRANSIT
CITY OF MADISON

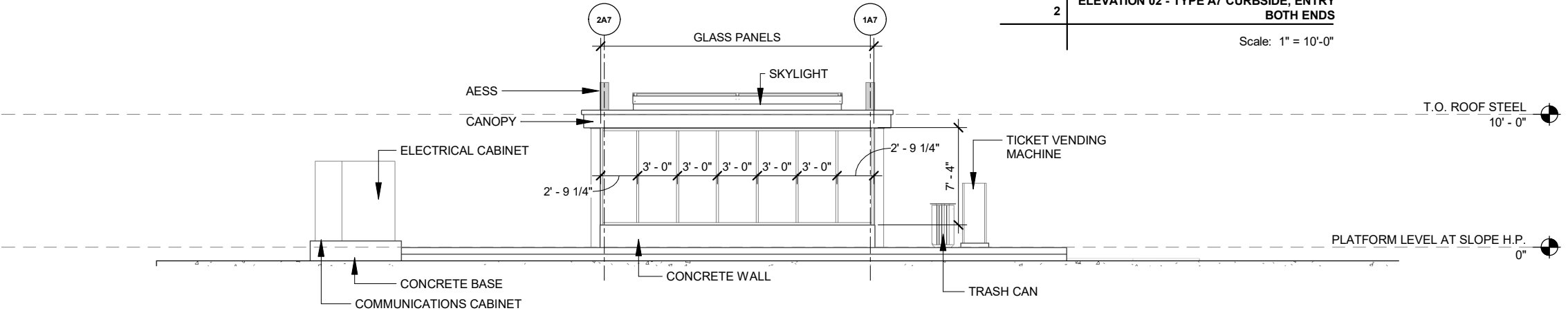




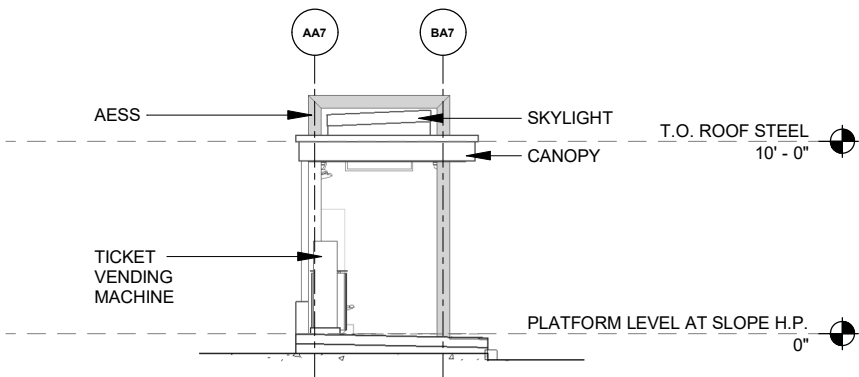
1 **ELEVATION 01 - TYPE A7 CURBSIDE, ENTRY BOTH ENDS**
Scale: 1" = 10'-0"



2 **ELEVATION 02 - TYPE A7 CURBSIDE, ENTRY BOTH ENDS**
Scale: 1" = 10'-0"



3 **ELEVATION 03 - TYPE A7 CURBSIDE, ENTRY BOTH ENDS**
Scale: 1" = 10'-0"

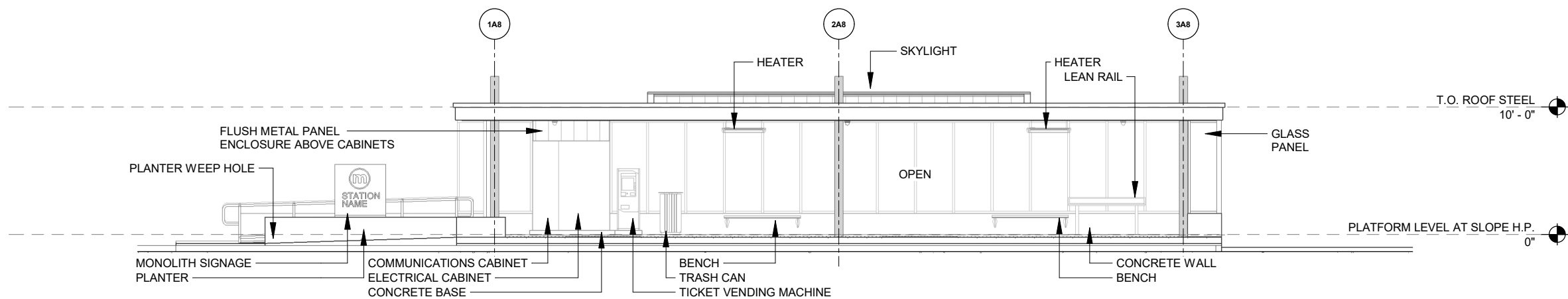


4 **ELEVATION 04 - TYPE A7 CURBSIDE, ENTRY BOTH ENDS**
Scale: 1" = 10'-0"

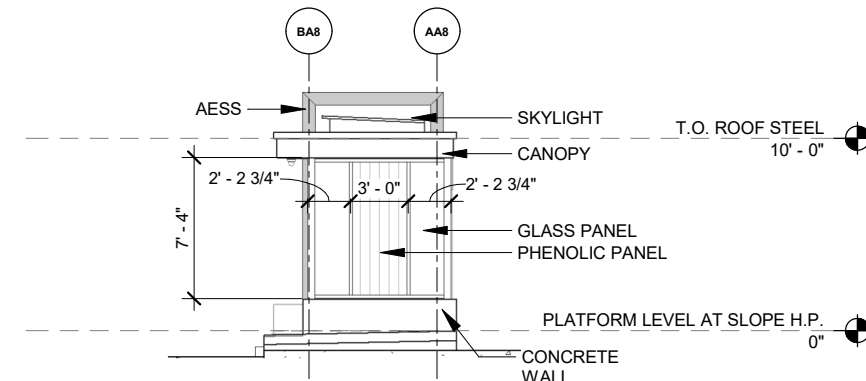
BY	DATE	REVISION	MARK	Designed By:	Date: 2022-03-08	Scale: --

60631225P
CITY OF MADISON, DANE COUNTY, WI
CONTRACT NO: 60631225C
ELEVATION PLATFORM TYPE A7
BUS RAPID TRANSIT
CITY OF MADISON

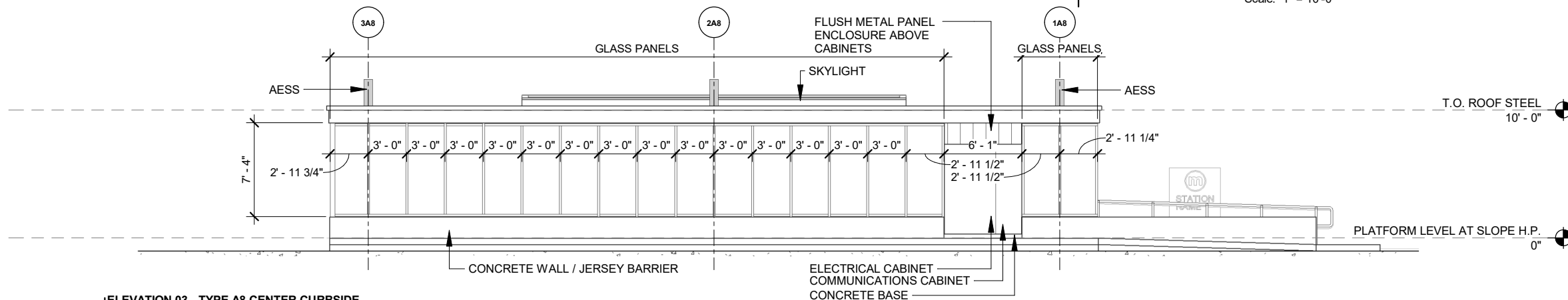




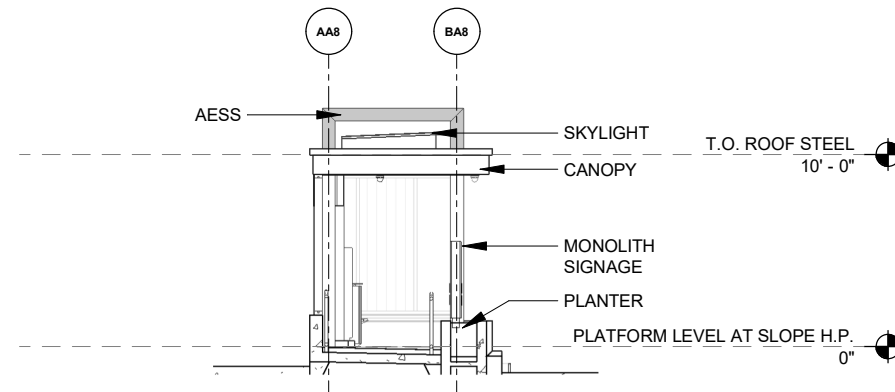
1 ELEVATION 01 - TYPE A8 CENTER CURBSIDE, ENTRY LEFT
Scale: 1" = 10'-0"



2 ELEVATION 02 - TYPE A8 CENTER CURBSIDE, ENTRY LEFT
Scale: 1" = 10'-0"



3 ELEVATION 03 - TYPE A8 CENTER CURBSIDE, ENTRY LEFT
Scale: 1" = 10'-0"



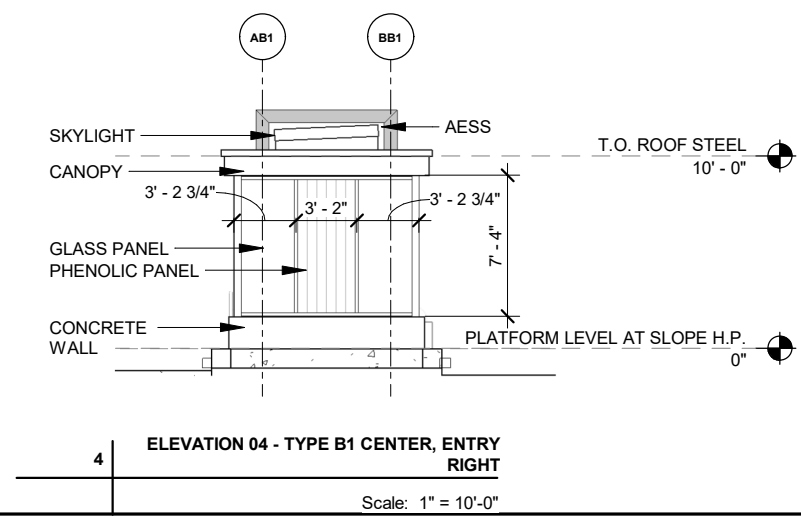
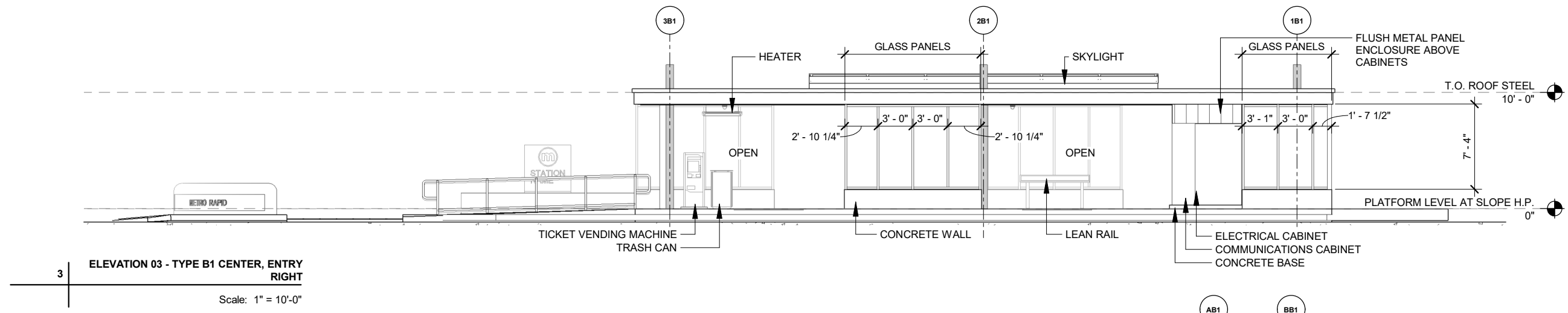
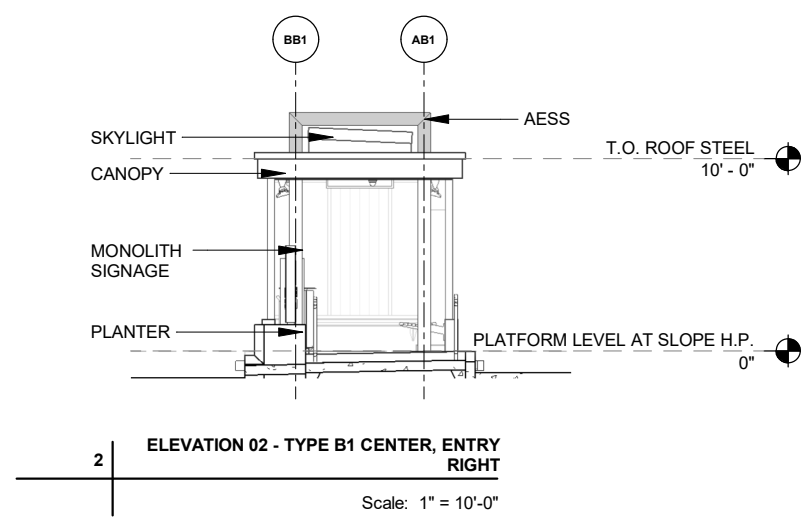
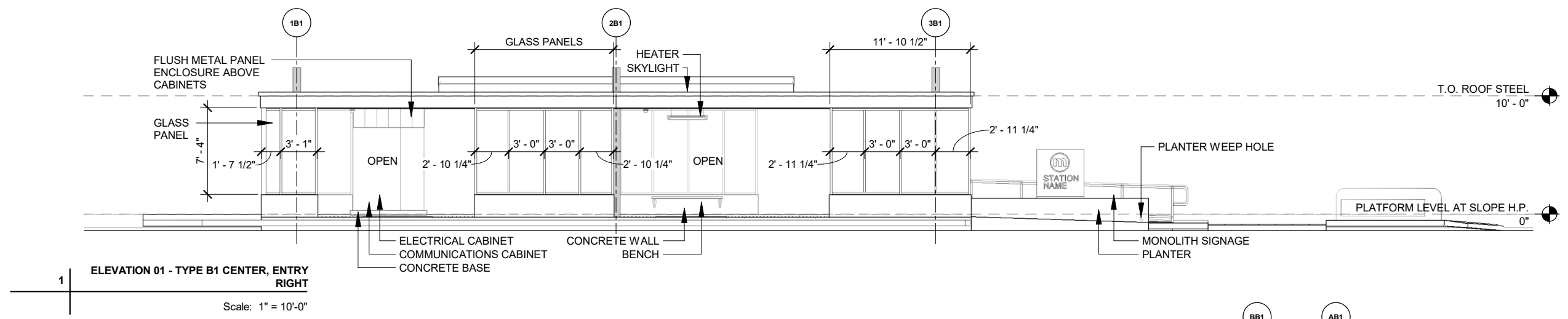
4 ELEVATION 04 - TYPE A8 CENTER CURBSIDE, ENTRY LEFT
Scale: 1" = 10'-0"

REVISION	DATE	BY

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

ELEVATION PLATFORM TYPE A8
BUS RAPID TRANSIT
CITY OF MADISON



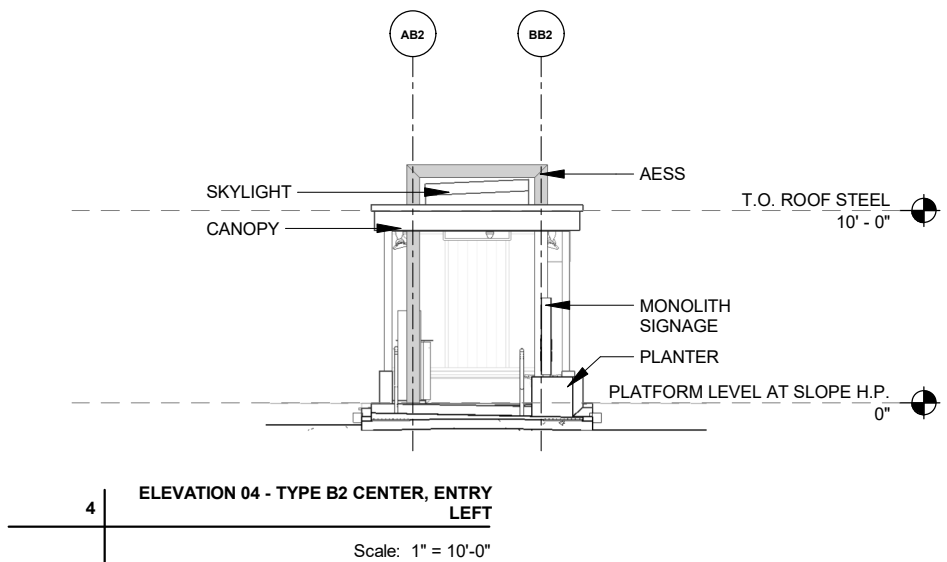
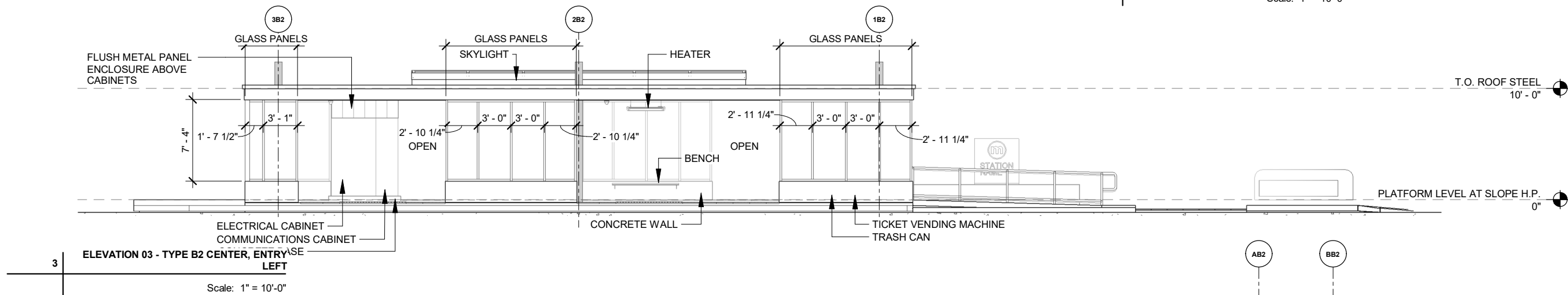
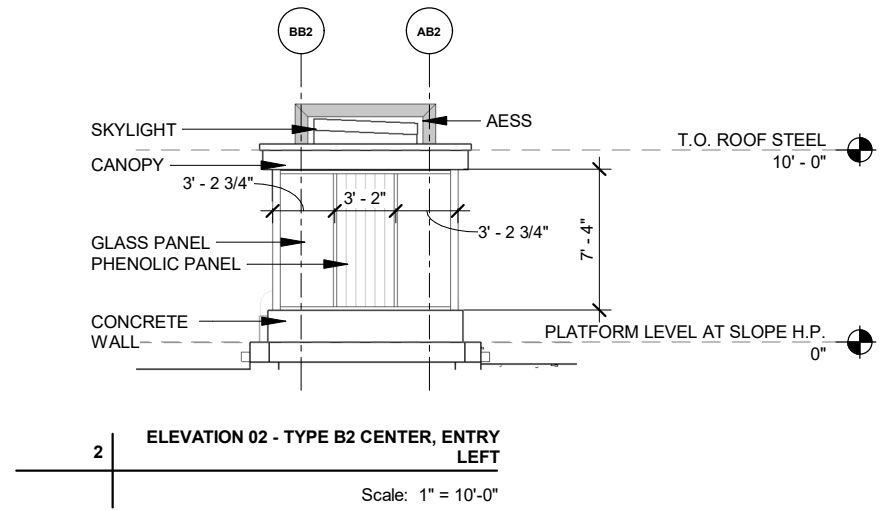
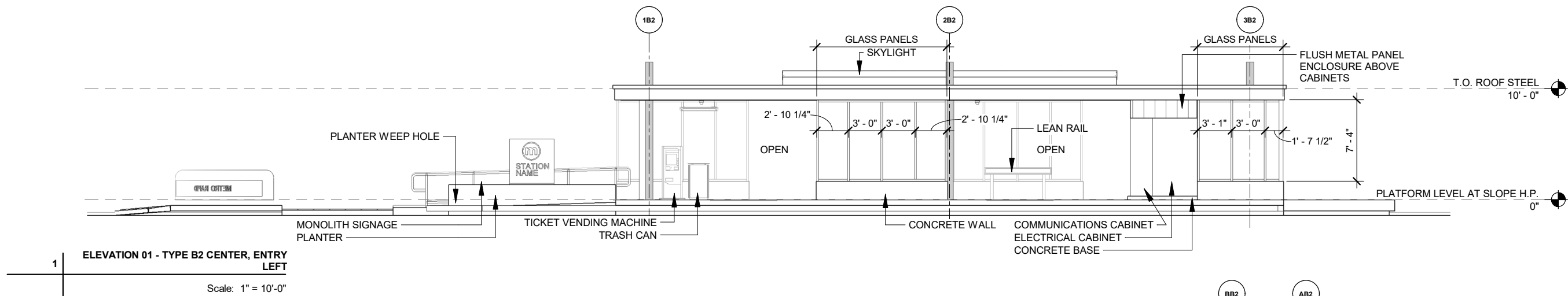


REVISION	DATE	BY

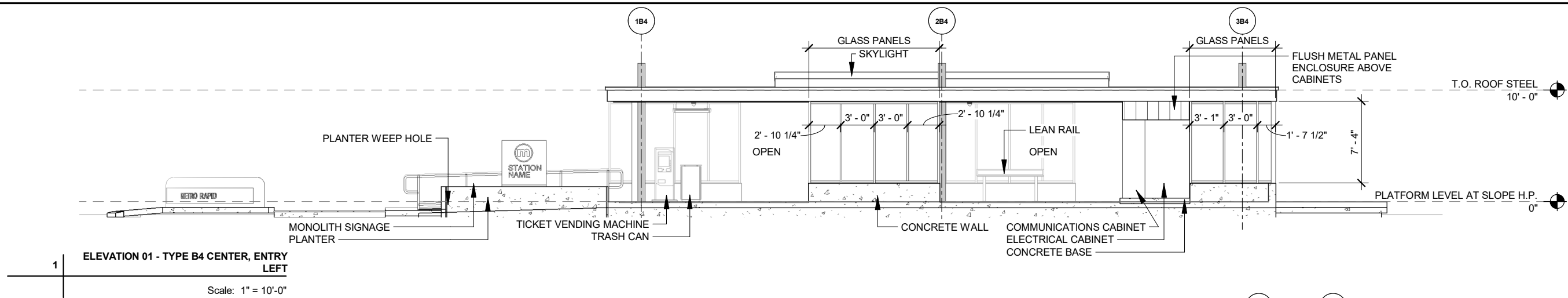
60631225P
CITY OF MADISON, DANE COUNTY, WI
CONTRACT NO: 60631225C

ELEVATION PLATFORM TYPE B1
BUS RAPID TRANSIT
CITY OF MADISON



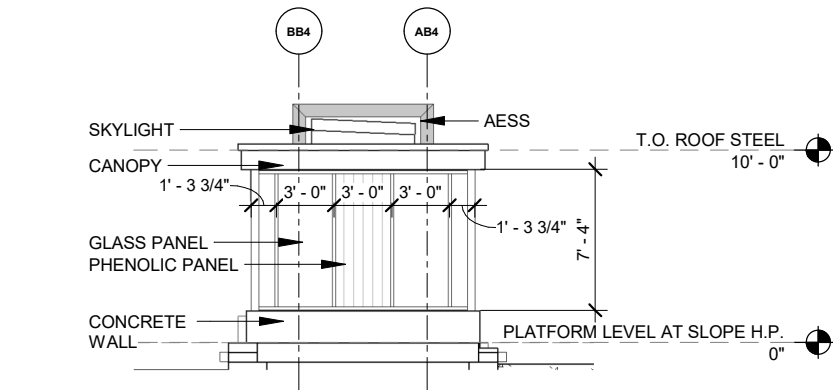


60631225P	60631225C
CITY OF MADISON, DANE COUNTY, WI	CONTRACT NO: 60631225C
ELEVATION PLATFORM TYPE B2	
BUS RAPID TRANSIT	
CITY OF MADISON	
	
A210	



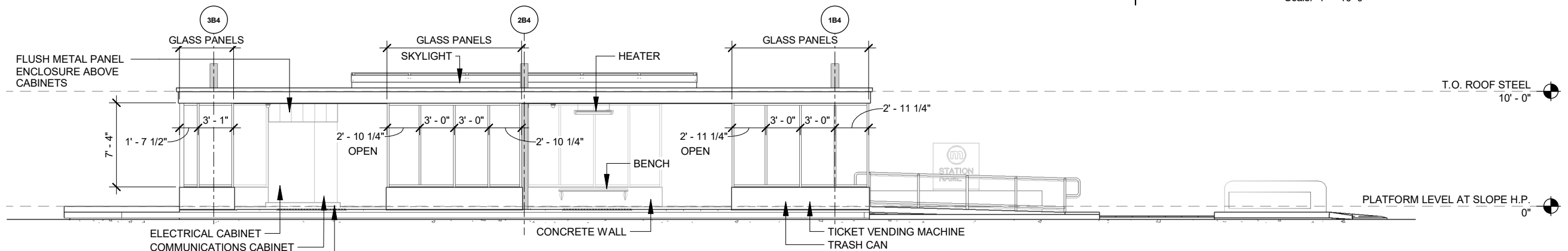
ELEVATION 01 - TYPE B4 CENTER, ENTRY LEFT

Scale: 1" = 10'-0"



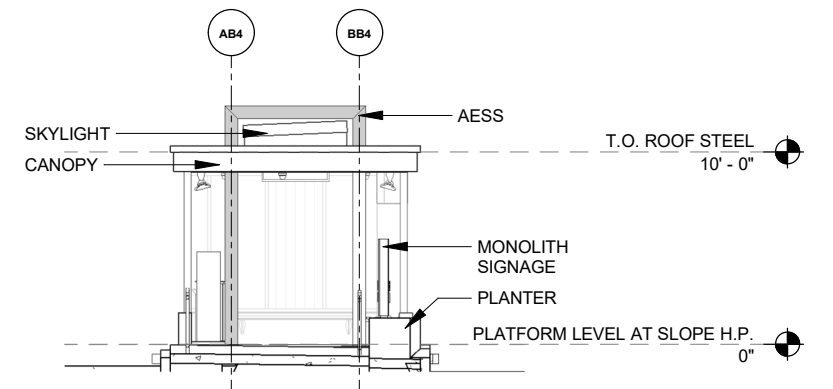
ELEVATION 02 - TYPE B4 CENTER, ENTRY LEFT

Scale: 1" = 10'-0"



ELEVATION 03 - TYPE B4 CENTER, ENTRY LEFT

Scale: 1" = 10'-0"



ELEVATION 04 - TYPE B4 CENTER, ENTRY LEFT

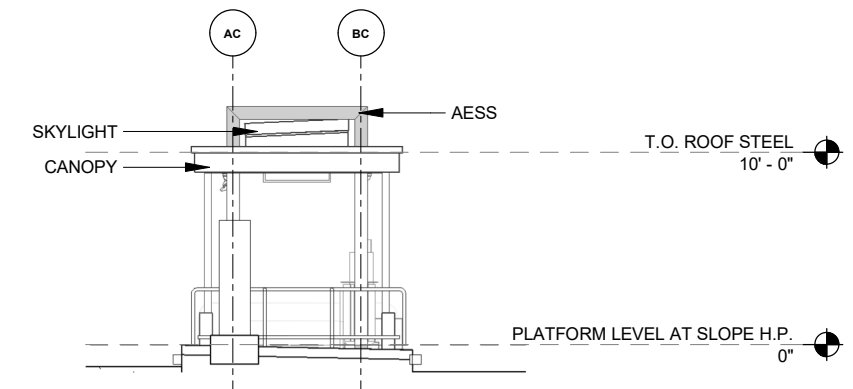
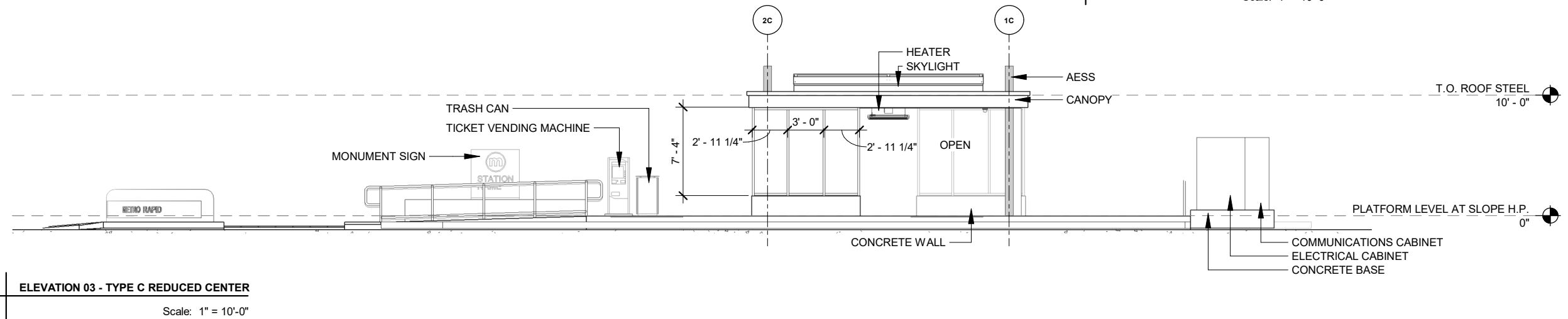
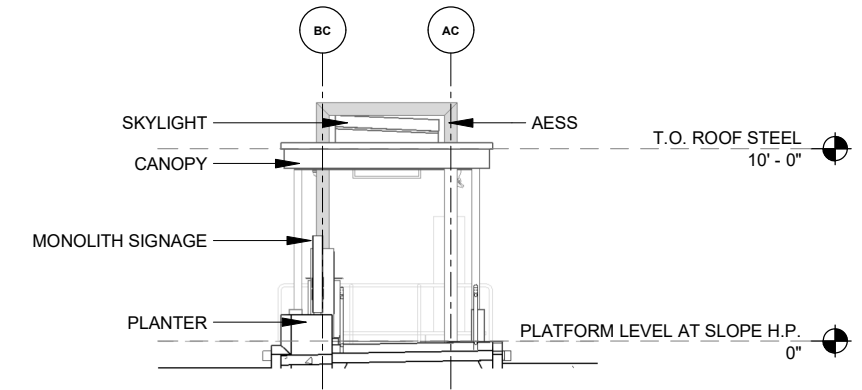
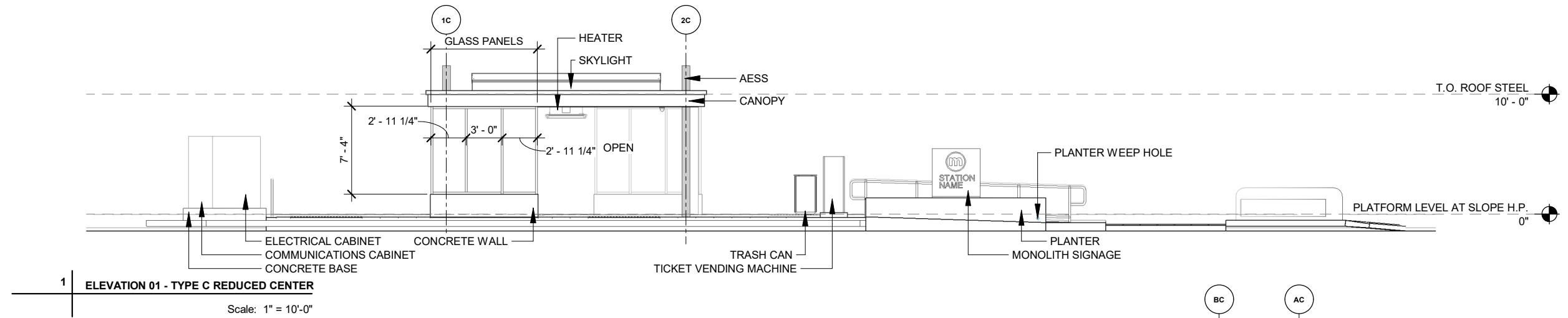
Scale: 1" = 10'-0"

DATE	BY
2022-03-08	REVISION
2022-03-08	MARK
2022-03-08	DESIGNED BY

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

ELEVATION PLATFORM TYPE B4
BUS RAPID TRANSIT
CITY OF MADISON



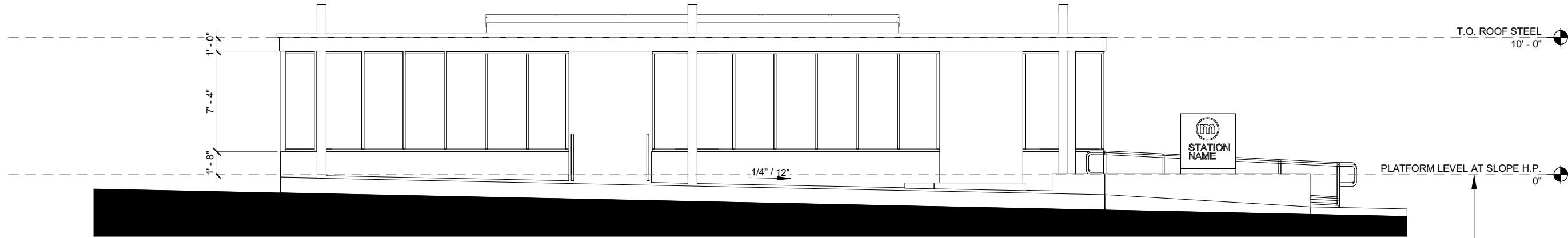


MARK	REVISION	DATE	BY

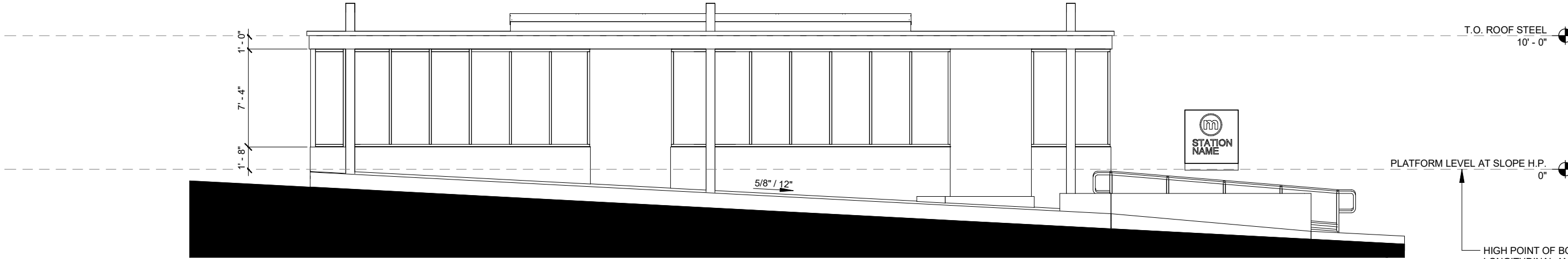
60631225P
CITY OF MADISON, DANE COUNTY, WI
CONTRACT NO: 60631225C

ELEVATION PLATFORM TYPE C
BUS RAPID TRANSIT
CITY OF MADISON





1
ELEVATION 01 - TYPE A1 WITH 2%
LONGITUDINAL SLOPE AND 2% CROSS
SLOPE
Scale: 1/8" = 1'-0"



2
ELEVATION 01 - TYPE A1 WITH 4.5%
LONGITUDINAL SLOPE AND 2% CROSS SLOPE
Scale: 1/8" = 1'-0"

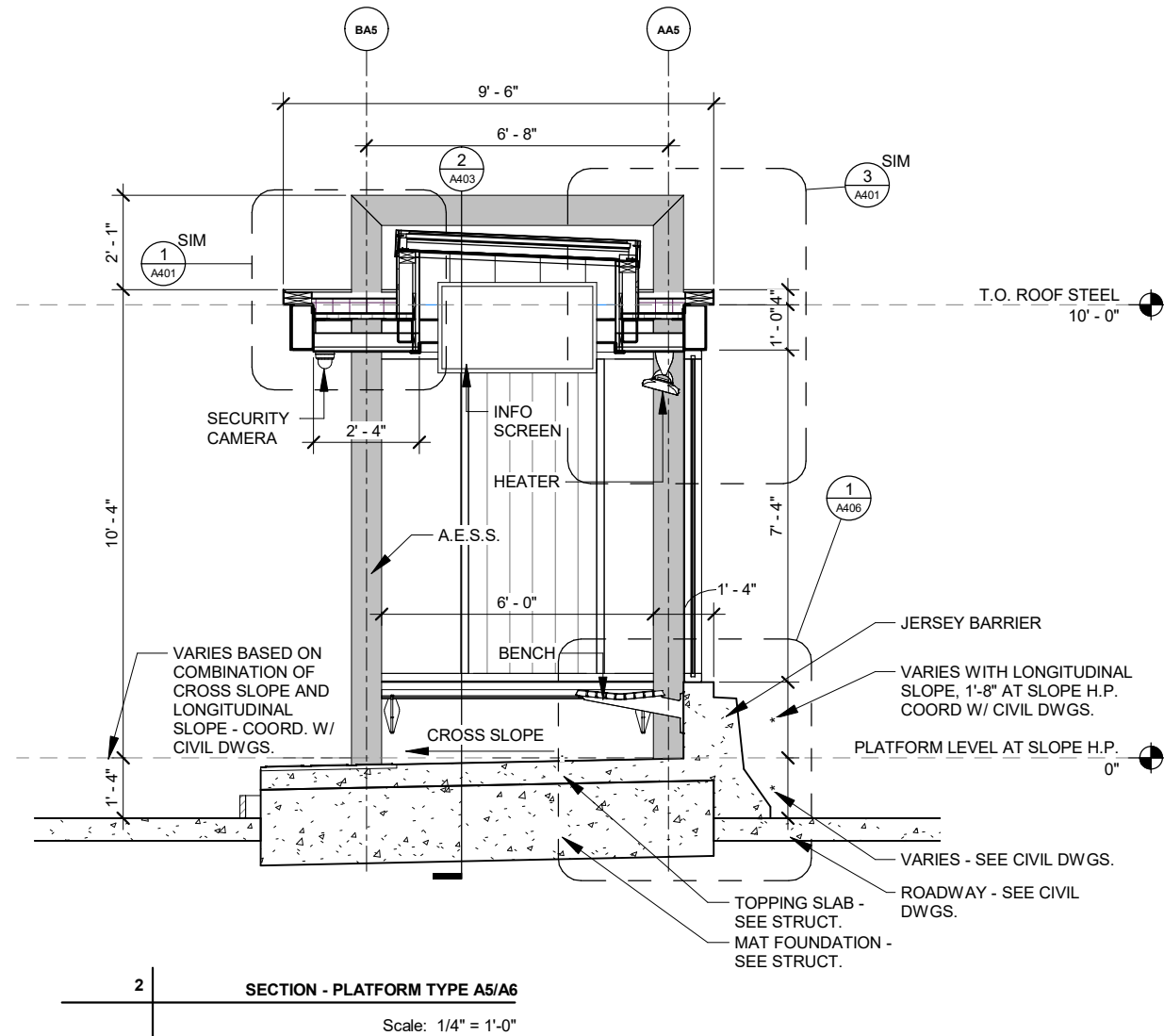
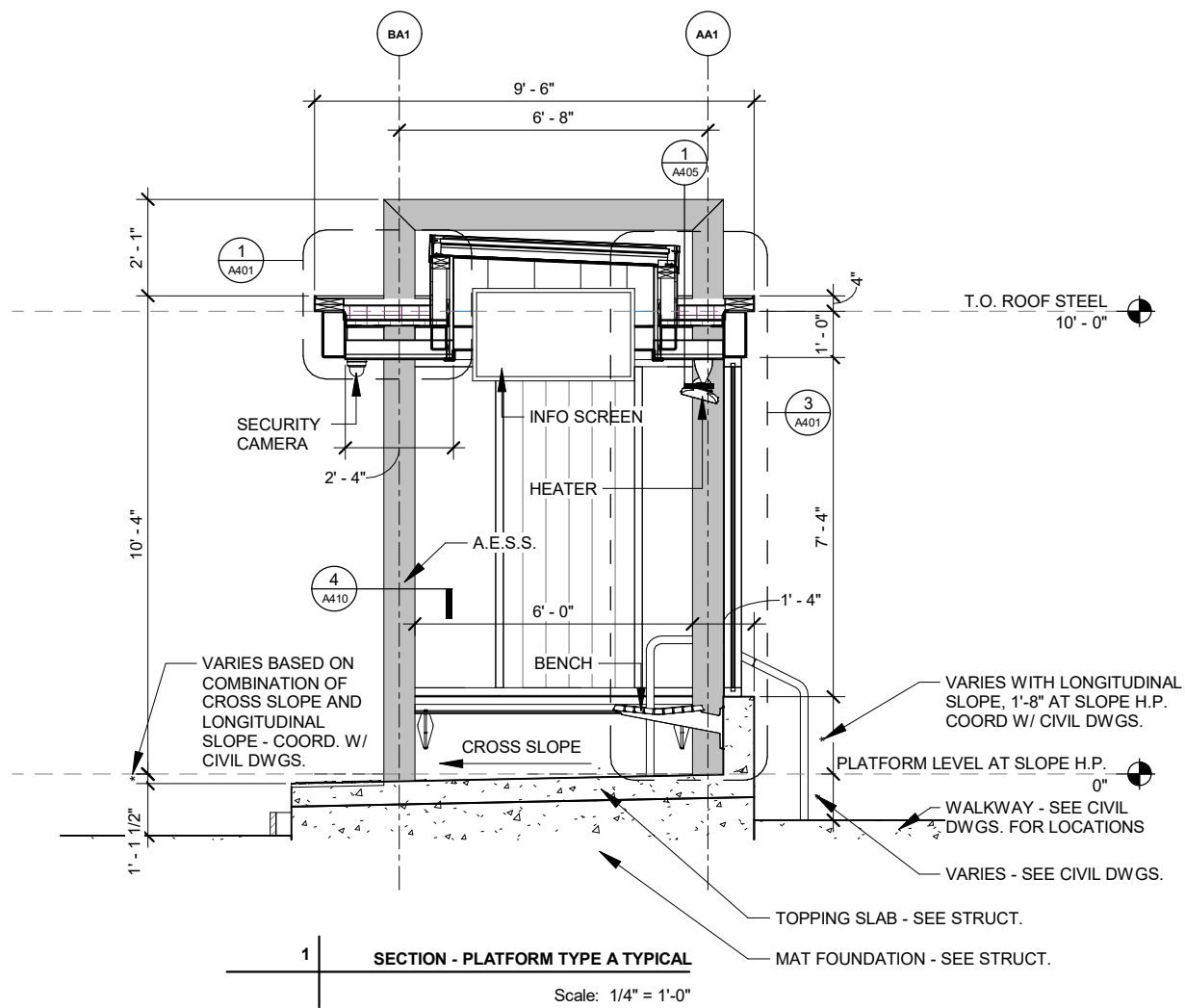
NOTE:
THESE ELEVATIONS ARE MEANT AS EXAMPLES
TO ILLUSTRATE HOW LONGITUDINAL SLOPE
AFFECTS A TYPICAL SHELTER DESIGN. REFER
TO CIVIL DRAWINGS FOR ACTUAL LONGITUDINAL
AND CROSS SLOPES AT EACH SHELTER
LOCATION AND ADJUST ACCORDINGLY.

MARK	REVISION	DATE	BY

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

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

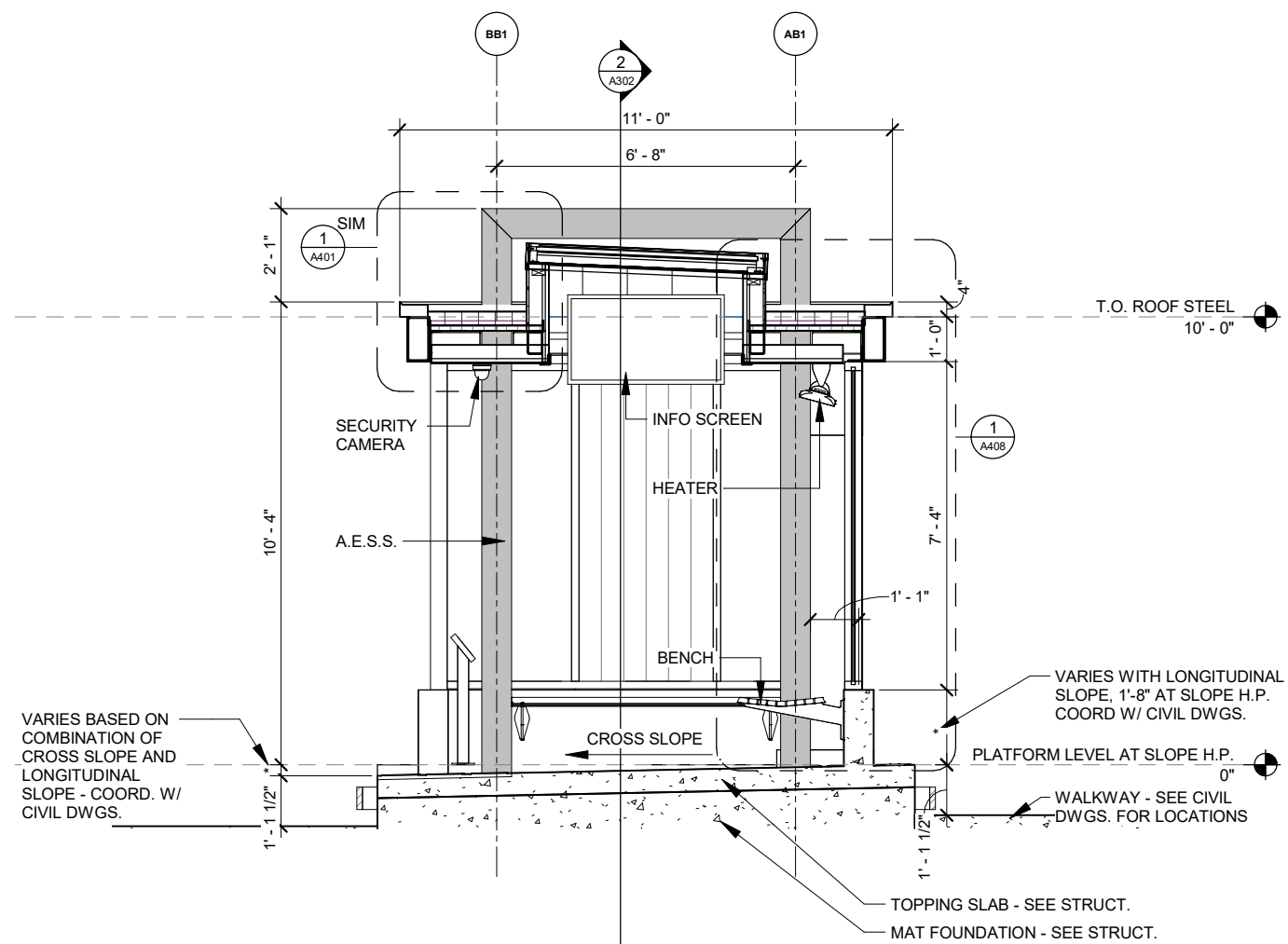




MARK	REVISION	DATE	BY

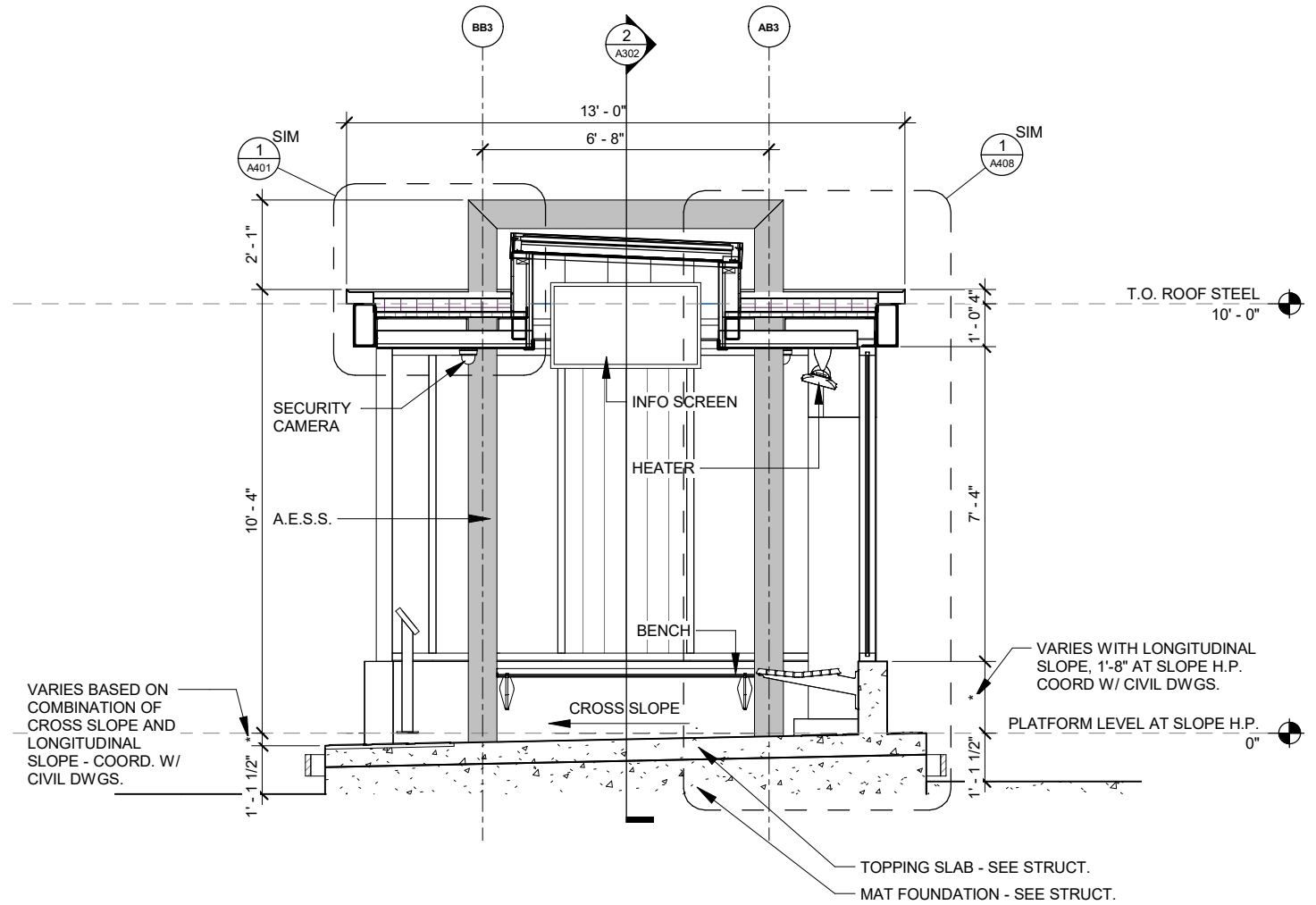
60631225P
CITY OF MADISON, DANE COUNTY, WI
CONTRACT NO: 60631225C





1 | SECTION - PLATFORM TYPE B1/B2/C

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



2 | SECTION - PLATFORM TYPE B3/B4

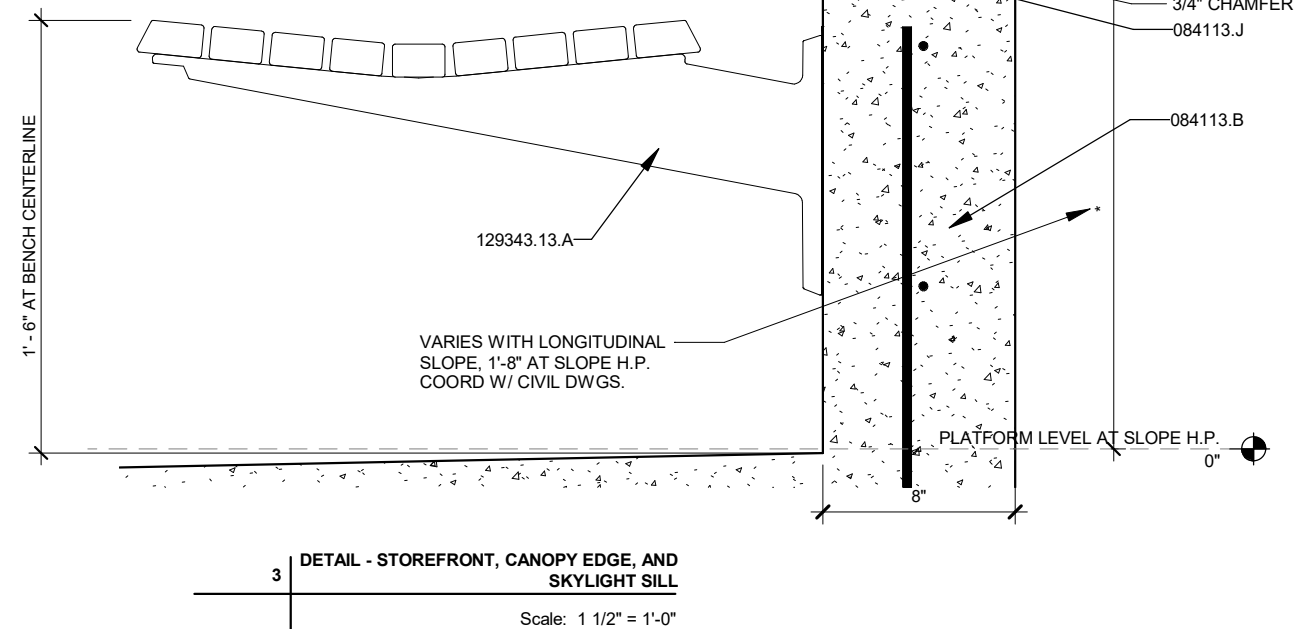
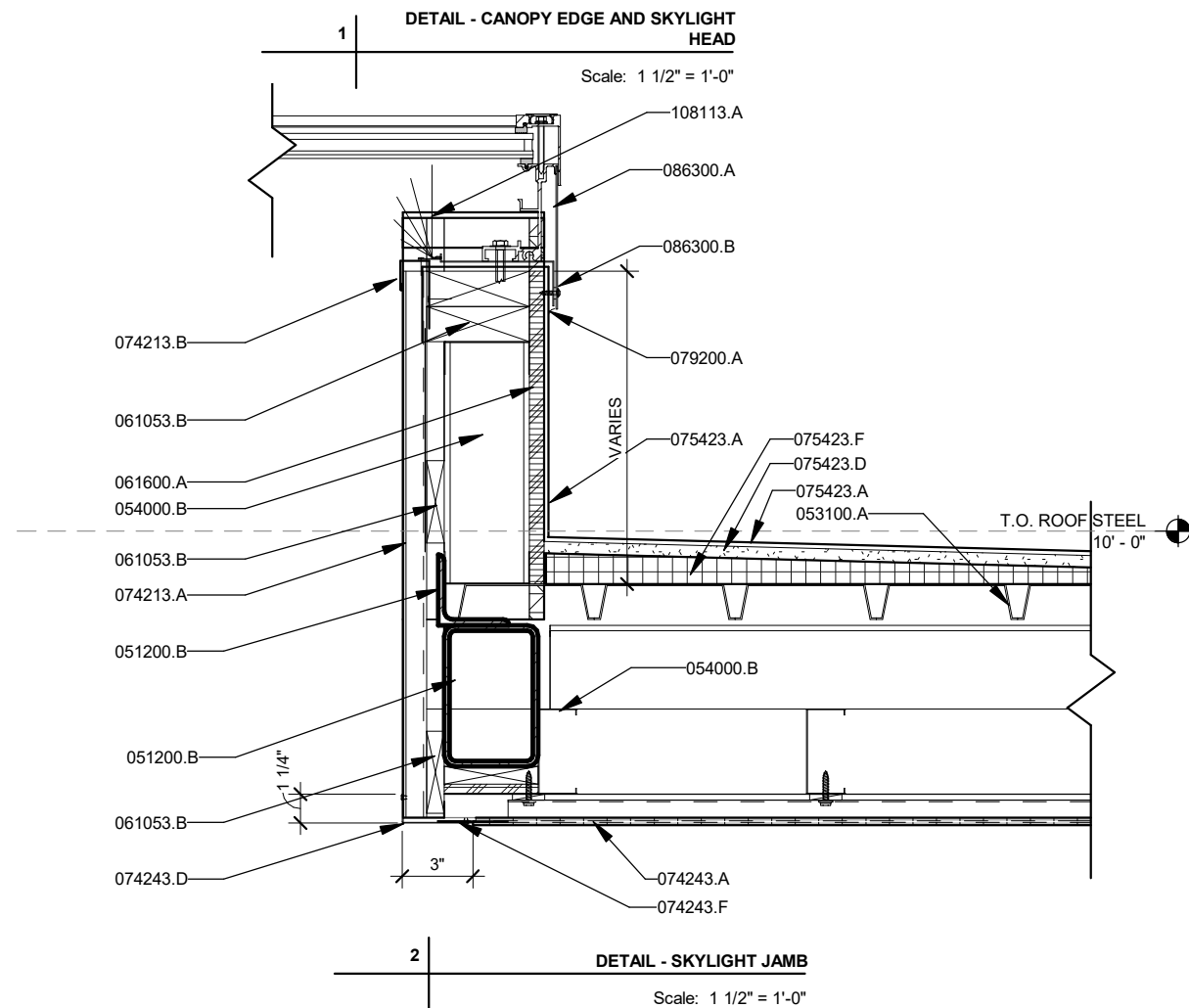
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MARK	REVISION	DATE	BY
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REV 002	2	10/10/2022	REV 002
REV 003	3	10/10/2022	REV 003

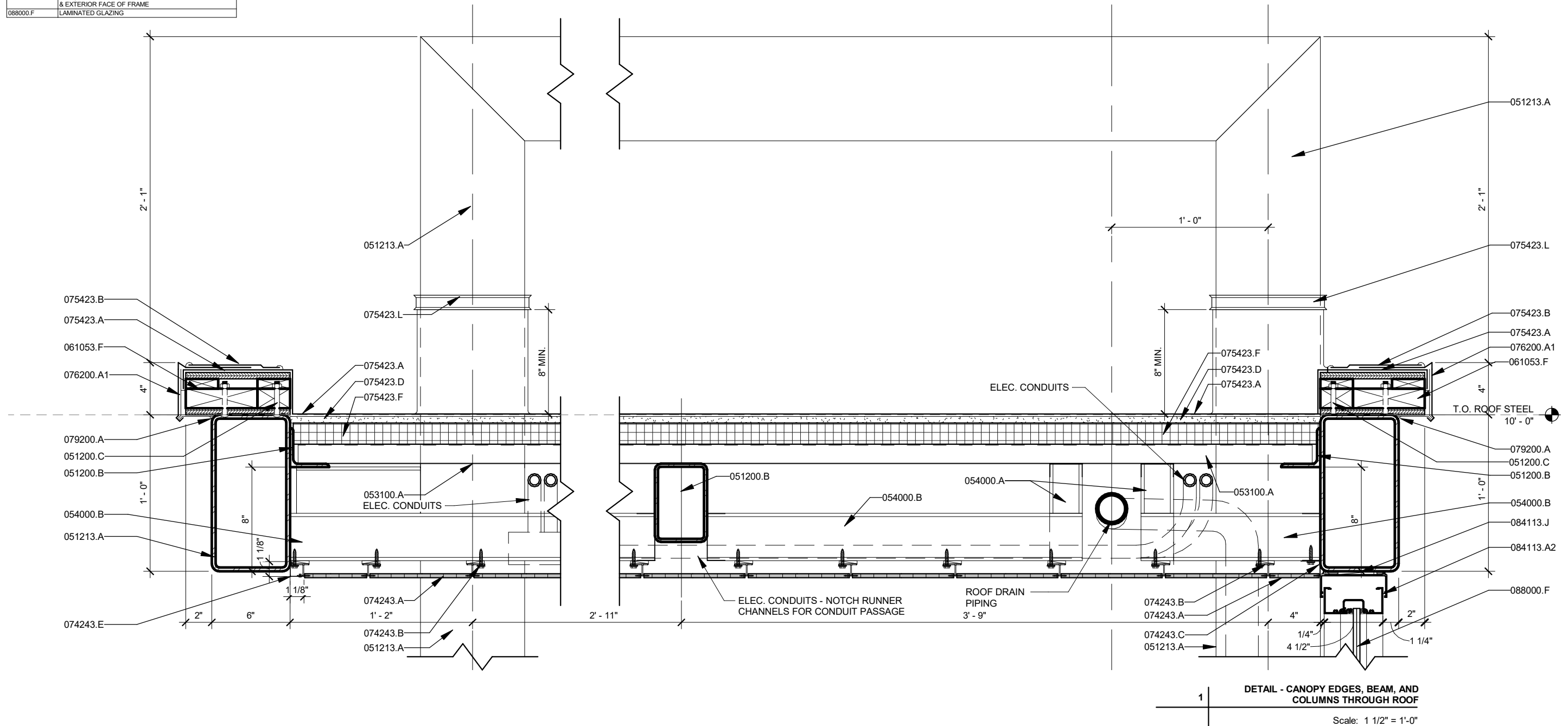
MARK	REVISION	DATE	BY
REV 001	1	10/10/2022	REV 001
REV 002	2	10/10/2022	REV 002
REV 003	3	10/10/2022	REV 003

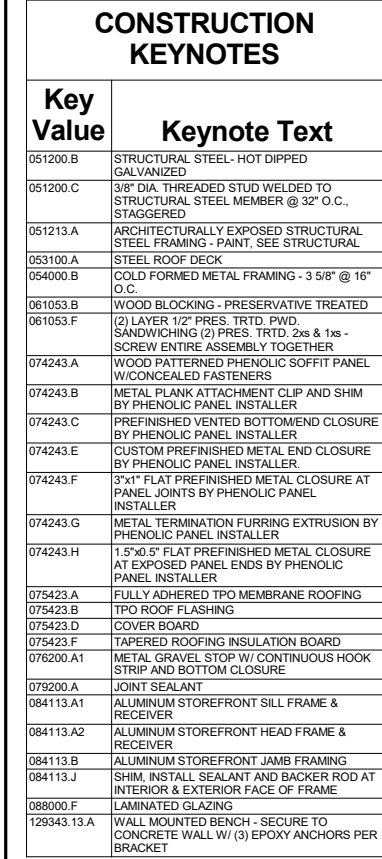


Key Value	Keynote Text
051200.B	STRUCTURAL STEEL- HOT DIPPED GALVANIZED
051200.C	3/8" DIA. THREADED STUD WELDED TO STRUCTURAL STEEL MEMBER @ 32" O.C., STAGGERED
051213.A	ARCHITECTUALLY EXPOSED STRUCTURAL STEEL FRAMING- PAINT, SEE STRUCTURAL
053100.A	STEEL ROOF DECK
054000.B	COLD FORMED METAL FRAMING- 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. SANDWICH (2) PRES. TRTD. 2x6 & 1x6- 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 BOOMEND 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 1/4" Lx16" PREFINISHED METAL CLOSURE AT PANEL JOINTS BY PHENOLIC PANEL INSTALLER
075423.A	FULLY ADHERED TOP MEMBRANE ROOFING
075423.B	TOP ROOF FLASHING
075423.D	COVER BOARD
075423.F	TAPERED ROOFING INSULATION BOARD
076200.A1	METAL GRAVEL STOP W/ CONTINUOUS HOE STRIP AND BOTTOM CLOSURE
079200.A	JOINT SEALANT
084113.A1	ALUMINUM STOREFRONT SILL FRAME & RECEIVER
084113.A2	ALUMINUM STOREFRONT HEAD FRAME & RECEIVER
084113.B	ALUMINUM STOREFRONT JAMB FRAMING
084113.J	SHIM, INSTALL SEALANT AND BACKER ROD AT INTERIOR & EXTERIOR FACE OF FRAME
086300.A	METAL FRAMED SKYLIGHT
086300.B	SKYLIGHT FLASHING & CLOSURES
086300.F	LAMINATED GLAZING
108113.A	BIRD CONTROL DEVICES
129343.13.A	WALL ANCHOR HANG- SECURE TO CONCRETE WALL W/ (3) EPOXY ANCHORS PER BRACKET



Key Value	Keynote Text
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	ARCHITECTUALLY 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. 2x8 & 1x6 - 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 TO ROOF MEMBRANE ROOFING
075423.B	TOO ROOF FLASHING
075423.D	COVER BOARD
075423.F	TAPERED ROOFING INSULATION BOARD
075423.L	TOO ROOF FLASHING BOOT AROUND STRUCTURE WITH EPOXY CON BRK 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

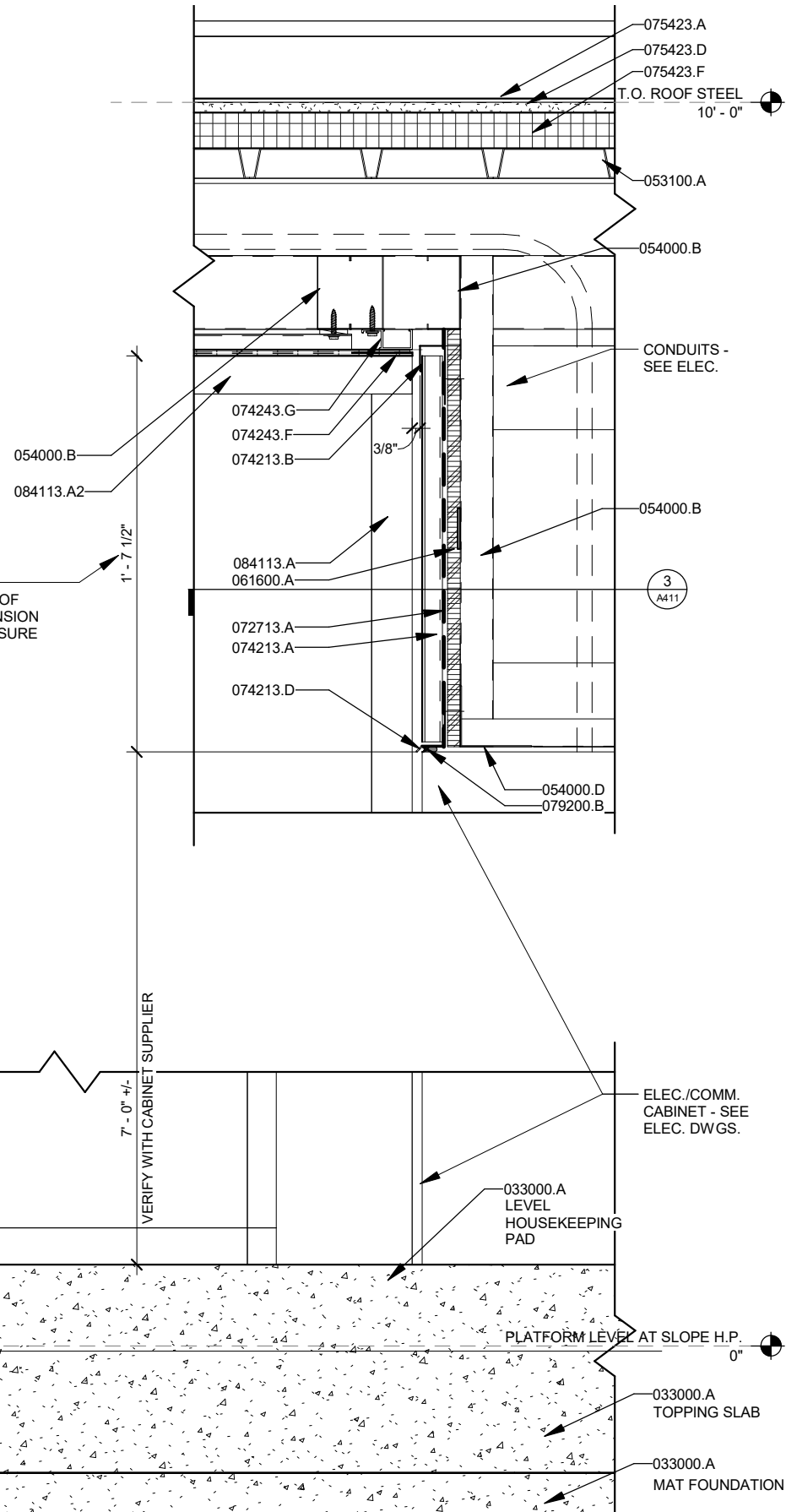




CONSTRUCTION KEYNOTES	
Key Value	Keynote Text
033000.A	CONCRETE - REFER TO STRUCTURAL DRAWINGS
051200.B	STRUCTURAL STEEL- HOT DIPPED GALVANIZED
051200.C	3/8" DIA. THREADED STUD WELDED TO STRUCTURAL STEEL MEMBER @ 32" O.C., STAGGERED
051213.A	ARCHITECTURALLY EXPOSED STRUCTURAL STEEL FRAMING - PAINT, SEE 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. 2x6 x 1x6 - 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 BOTTOMDOWN 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

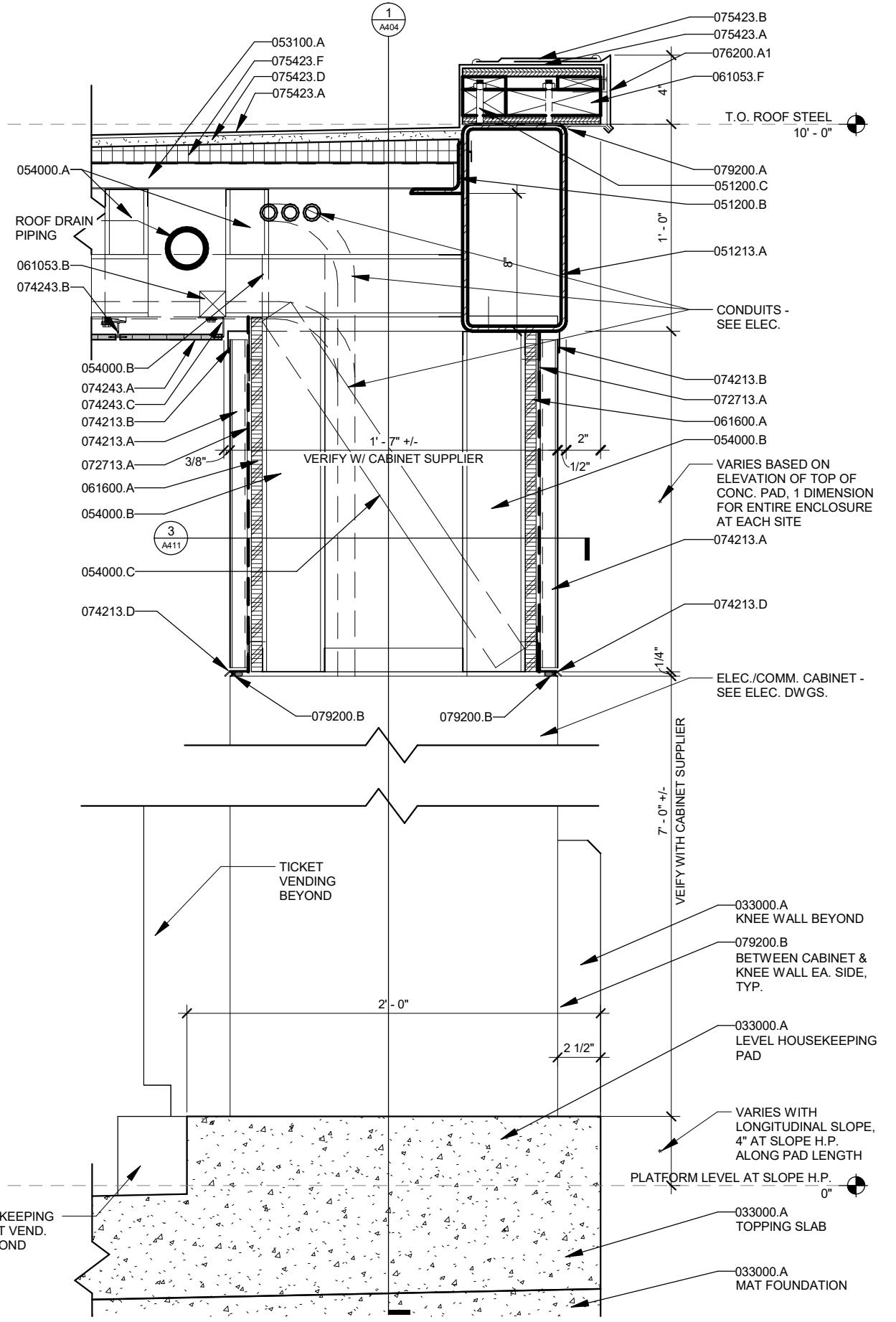
Key Value	Keynote Text
033000.A	CONCRETE - REFER TO STRUCTURAL DRAWINGS
051200.B	STRUCTURAL STEEL- HOT DIPPED GALVANIZED
051200.C	3/8" DIA. THREADED STUD WELDED TO STRUCTURAL STEEL MEMBER @ 32" O.C., STAGGERED
051213.A	ARCHITECTUREALLY EXPOSED STRUCTURAL STEEL FRAMING - PAINT, SEE STRUCTURAL
053100.A	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. TRT. PWD. SANDWICHING (2) PRES. TRT. 2x6 & 1x6 - 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 WITH REINFORCED FASTENERS
074243.B	METAL PLANK ATTACHMENT CLIP AND SHIM BY PHENOLIC PANEL INSTALLER
074243.C	REFINISHED VENTED BOTTOMDOWN 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
092000.A	JOINT SEALANT
092000.B	JOINT SEALANT WITH BACKER ROD
084113.A	ALUMINUM STOREFRONT FRAMING
084113.A2	ALUMINUM STOREFRONT HEAD FRAME & RECEIVER

VARIES BASED ON _____
ELEVATION OF TOP OF
CONC. PAD, 1 DIMENSION
FOR ENTIRE ENCLOSURE
AT EACH SITE



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"

MARK	REVISION	DATE	BY
DESIGNED BY:	Date: 2022-03-08	Scale: 1:100	

IM ALINO

CITY OF MADISON, DANE COUNTY, WI
 CONTRACT NO. 2023122EC

CONTRACT NO. 000312200

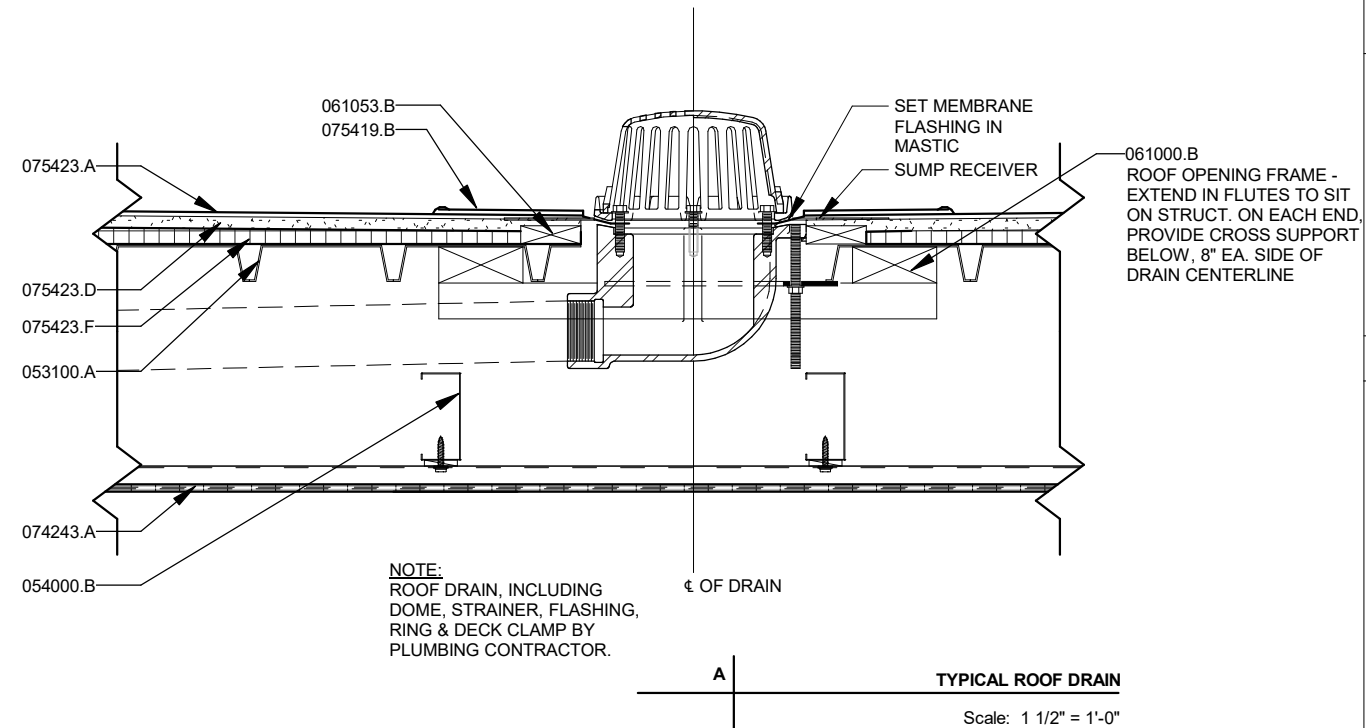
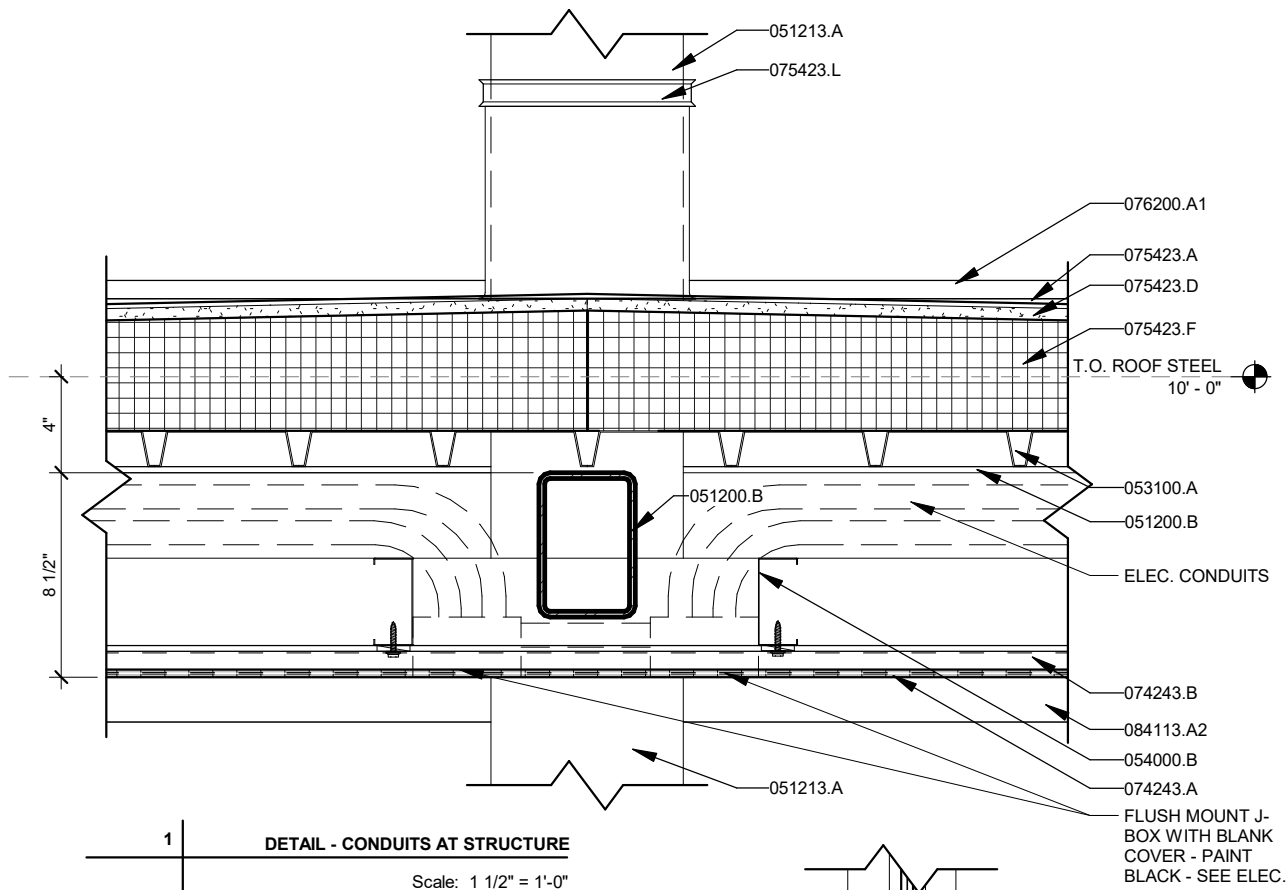
SECTION DETAILS

BUS RAPID TRANSIT

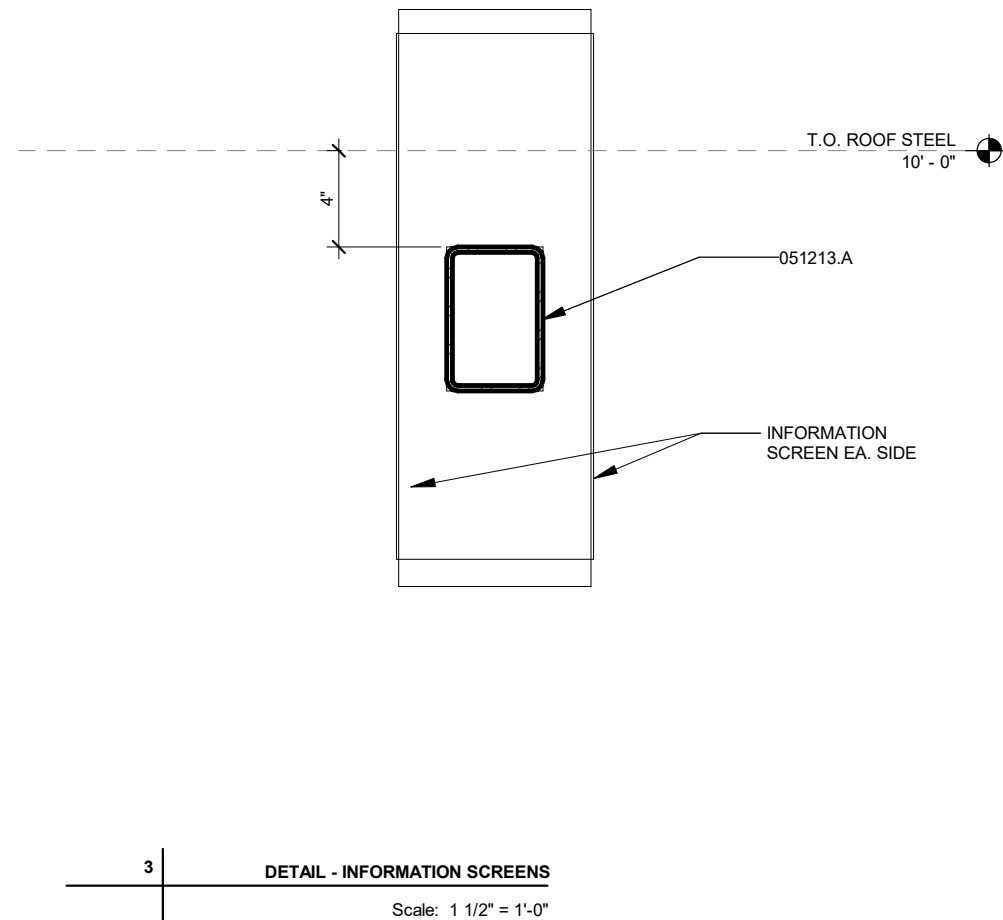
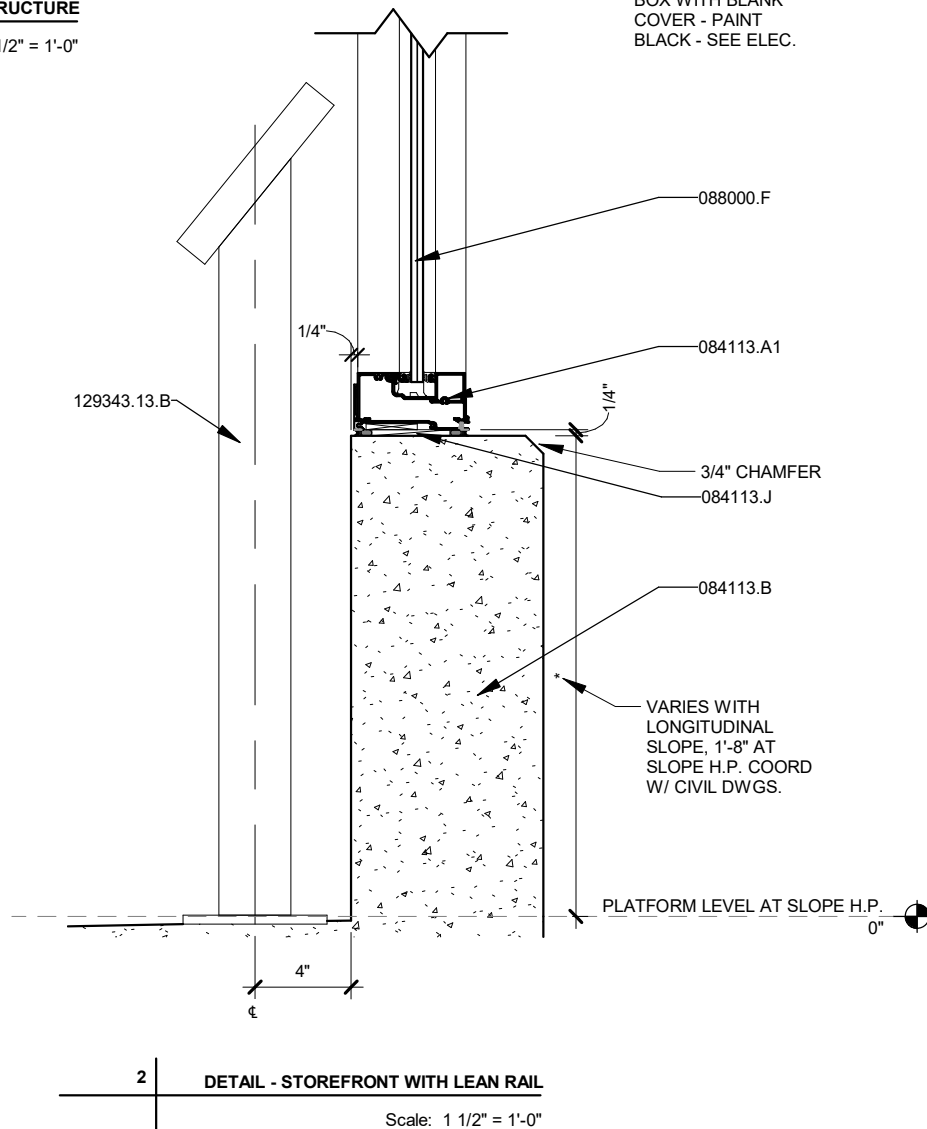
CITY OF MADISON

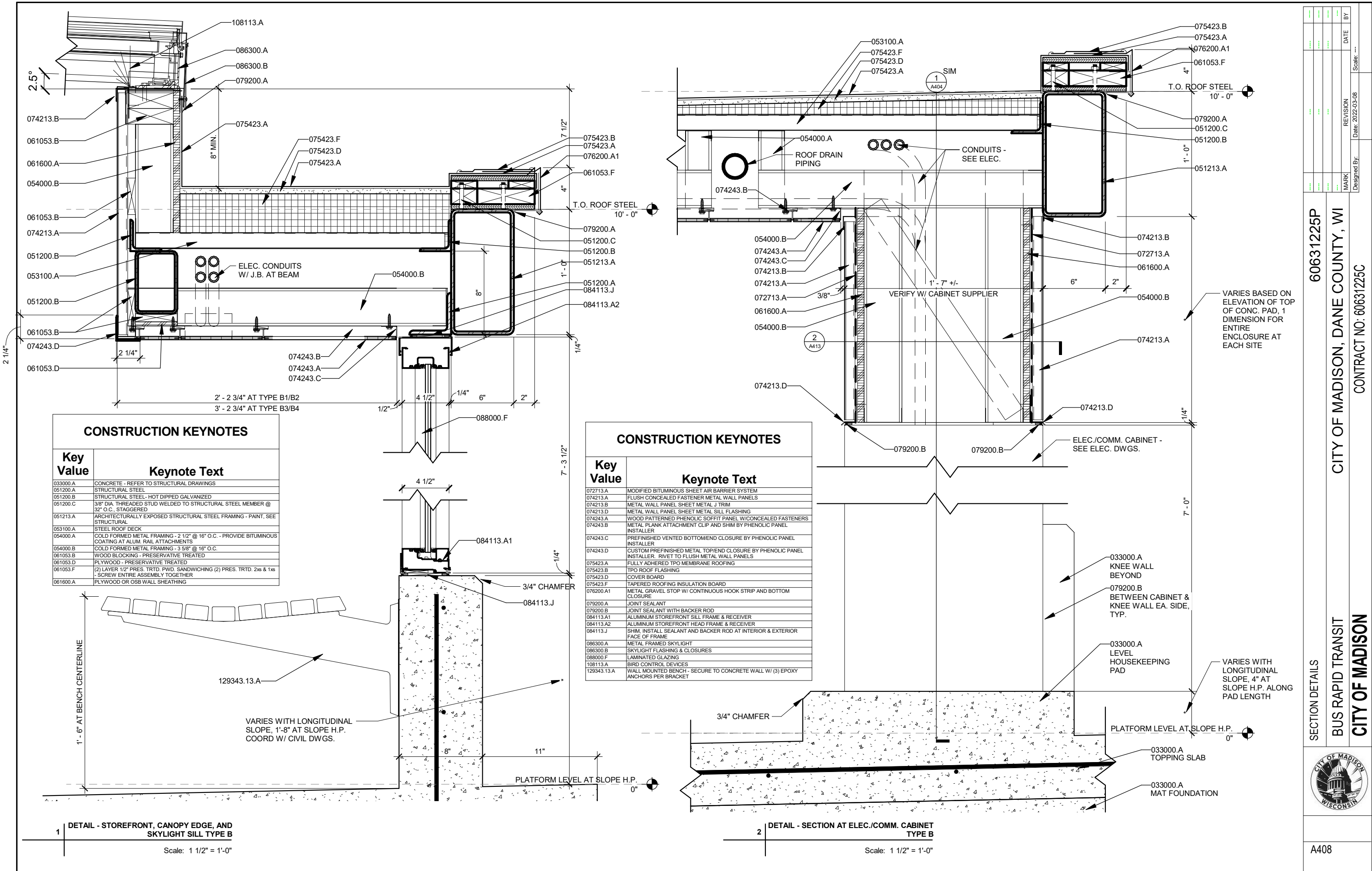


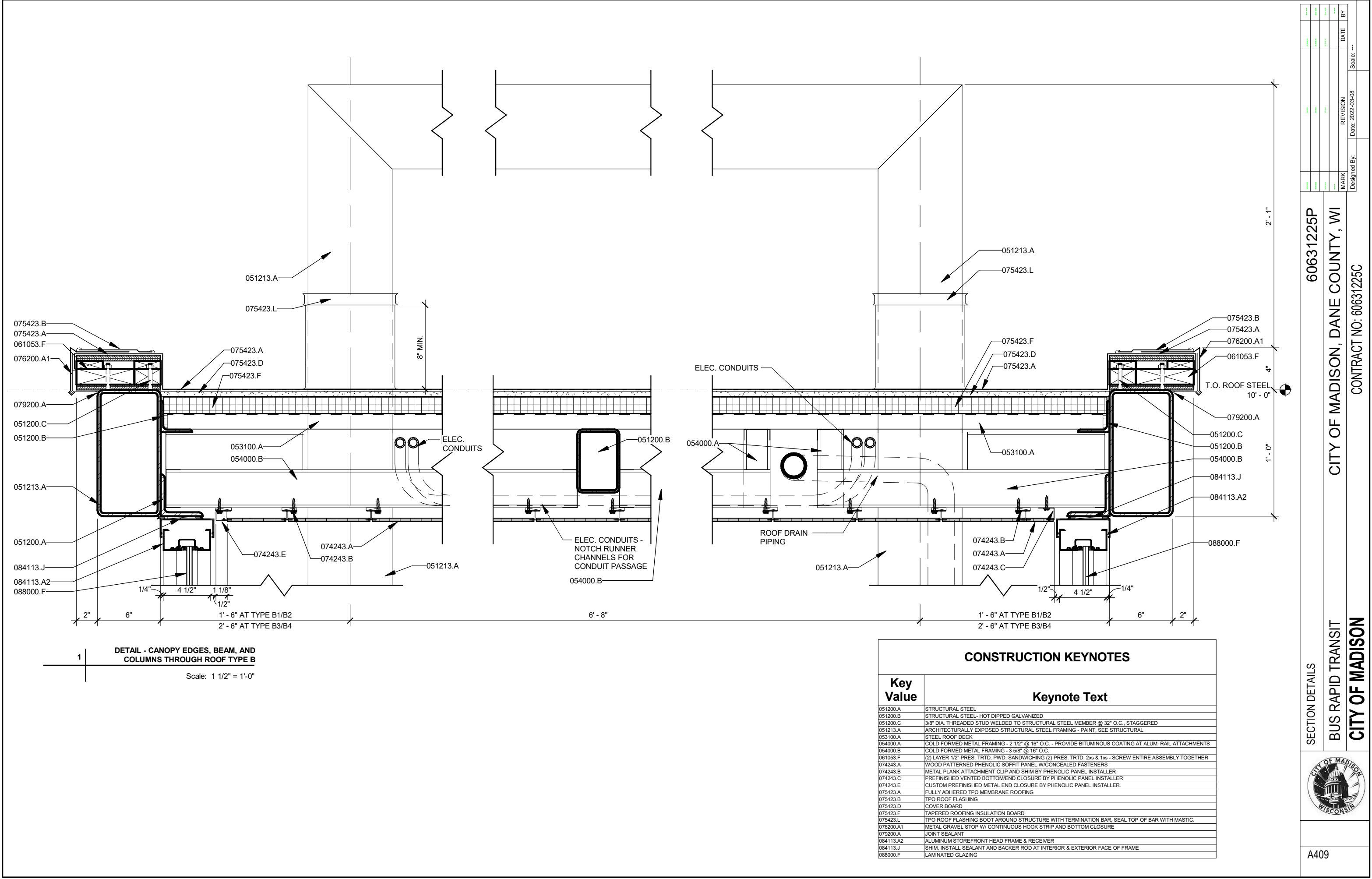
A404



CONSTRUCTION KEYNOTES	
Key Value	Keynote Text
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
075419.B	FULLY ADHERED TPO MEMBRANE ROOFING
075423.A	COVER BOARD
075423.D	TAPERED ROOFING INSULATION BOARD
075423.F	TPO ROOF FLASHING BOOT AROUND STRUCTURE WITH TERMINATION BAR. SEAL TOP OF BAR WITH MASTIC.
075423.L	
076200.A1	METAL GRAVEL STOP W/ CONTINUOUS HOOK STRIP AND BOTTOM CLOSURE
084113.A1	ALUMINUM STOREFRONT SILL FRAME & RECEIVER
084113.A2	ALUMINUM STOREFRONT HEAD FRAME & RECEIVER
084113.B	ALUMINUM STOREFRONT JAMB FRAMING
084113.J	SHIM, INSTALL SEALANT AND BACKER ROD AT INTERIOR & EXTERIOR FACE OF FRAME
088000.F	LAMINATED GLAZING
129343.13.B	FLOOR MOUNTED LEAN RAIL - SECURE TO CONCRETE SLAB W/ (2) EPOXY ANCHORS PER BRACKET





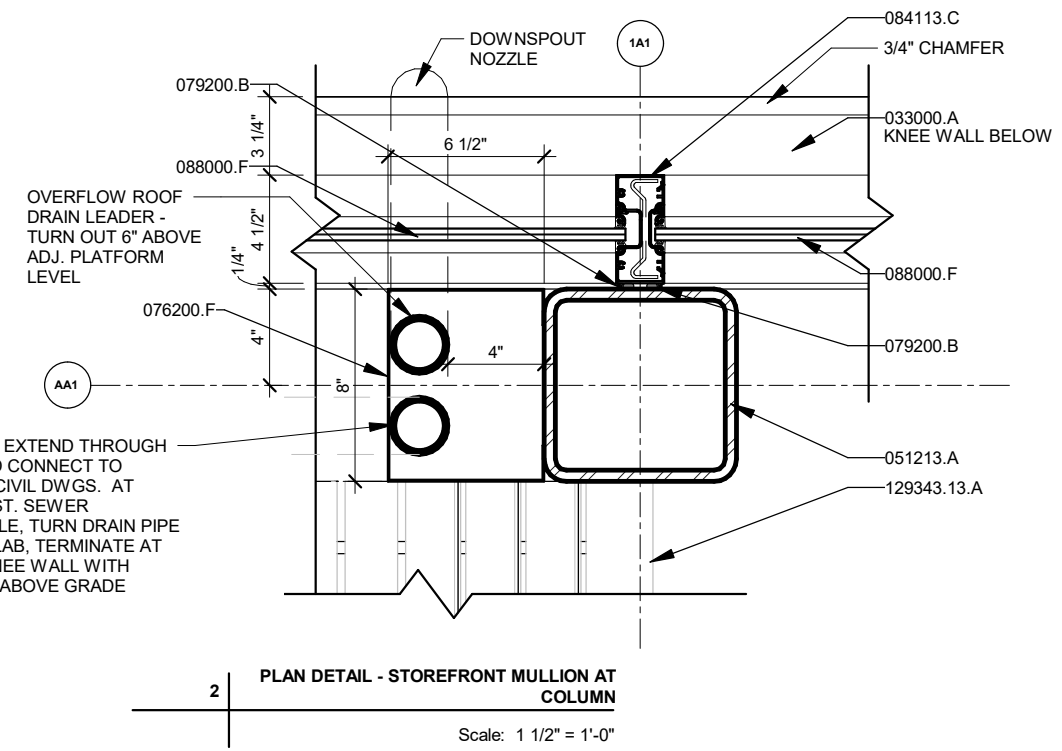
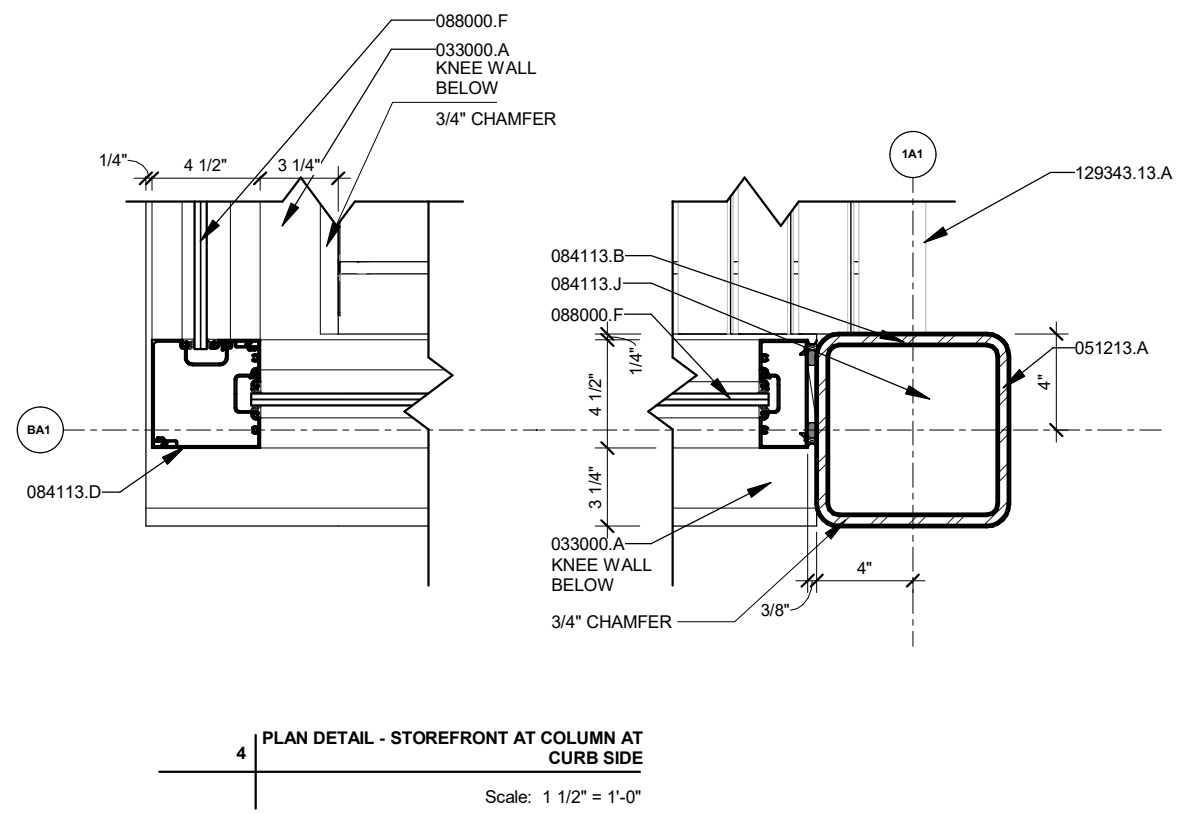
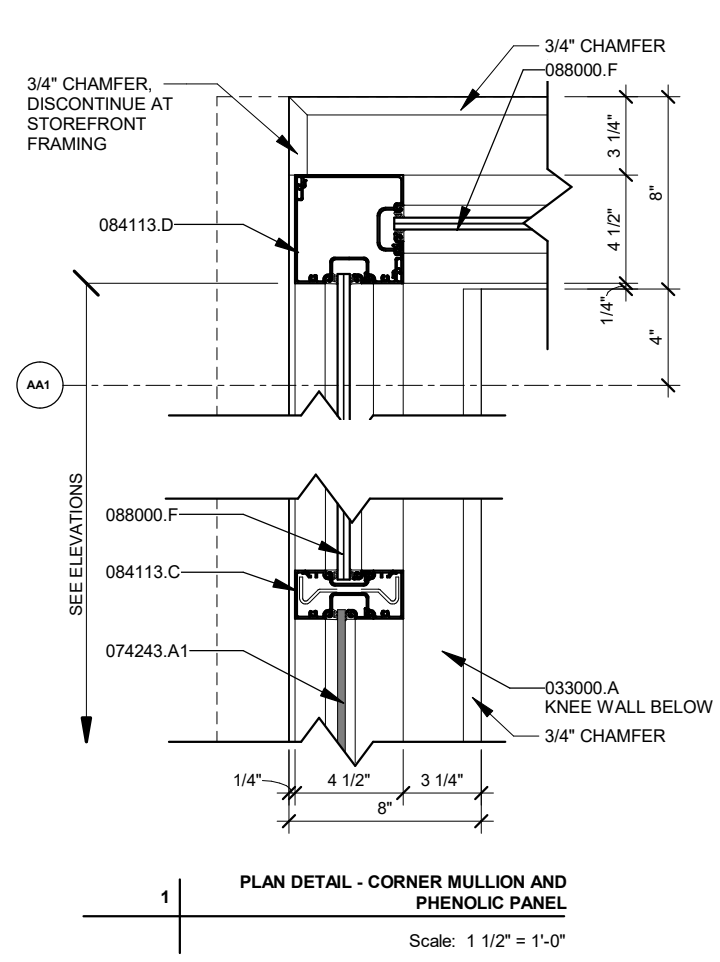


REVISION	DATE	BY

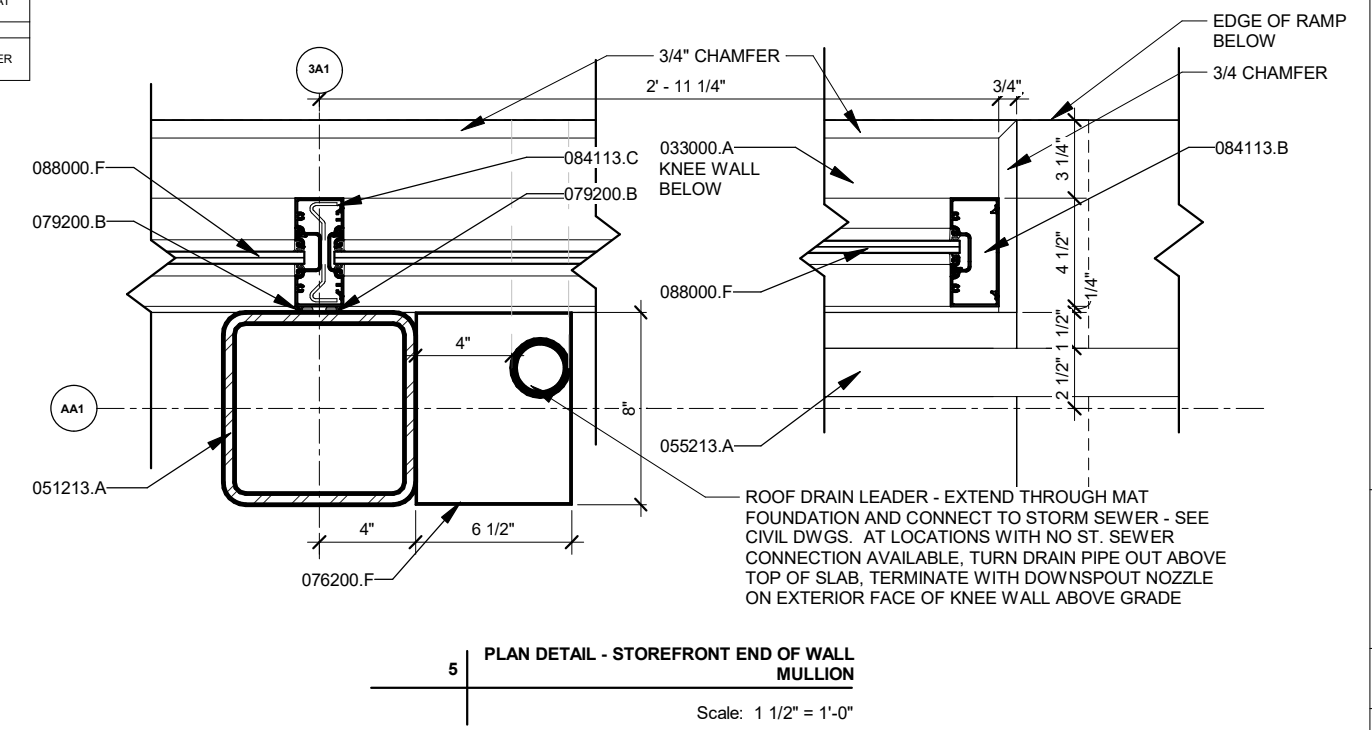
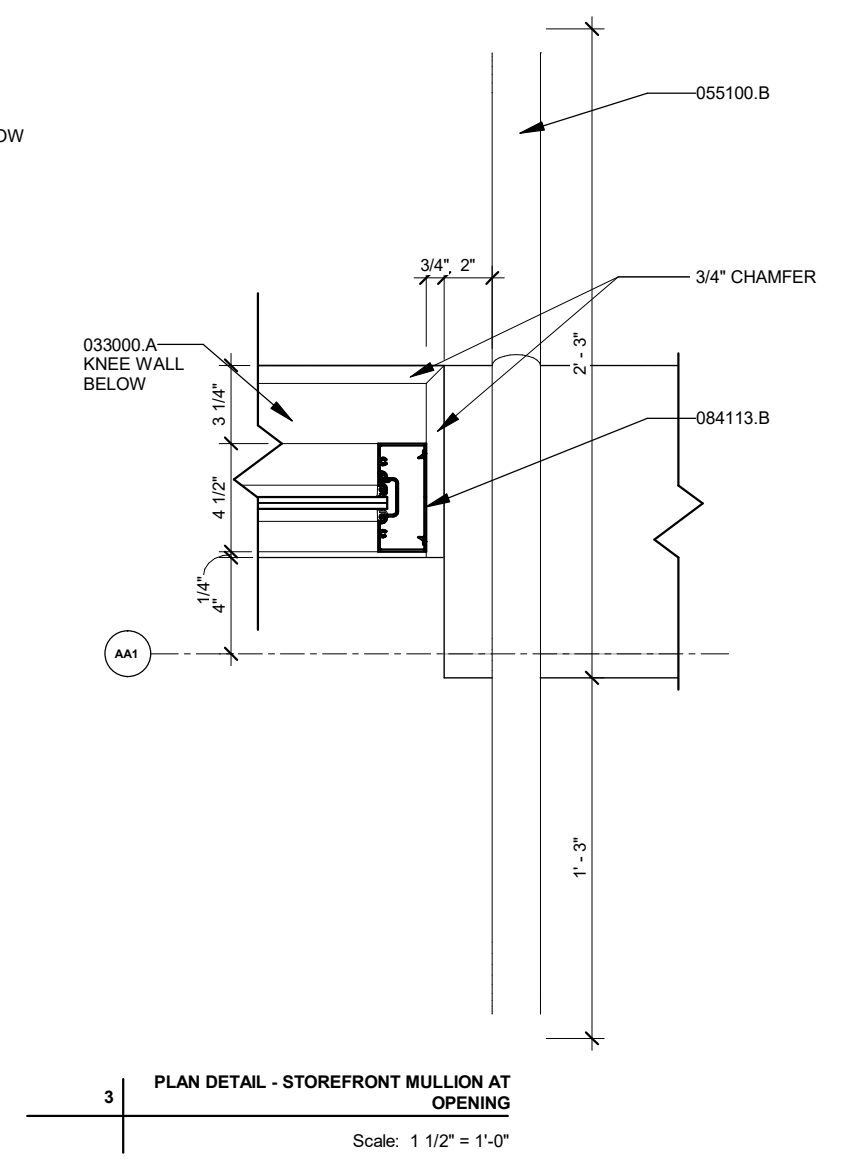
60631225P
CITY OF MADISON, DANE COUNTY, WI
CONTRACT NO: 60631225C

SECTION DETAILS
BUS RAPID TRANSIT
CITY OF MADISON





CONSTRUCTION KEYNOTES	
Key Value	Keynote Text
033000.A	CONCRETE - REFER TO STRUCTURAL DRAWINGS
051213.A	ARCHITECTURALLY EXPOSED STRUCTURAL STEEL FRAMING - PAINT, SEE STRUCTURAL
055100.B	
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
129343.13.A	WALL MOUNTED BENCH - SECURE TO CONCRETE WALL W/ (3) EPOXY ANCHORS PER BRACKET



60631225P	CITY OF MADISON, DANE COUNTY, WI	CONTRACT NO: 60631225C
PLAN DETAILS	BUS RAPID TRANSIT	CITY OF MADISON
A410		

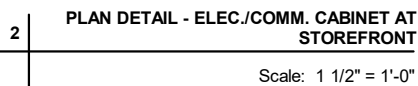
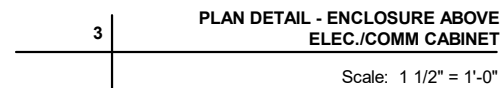
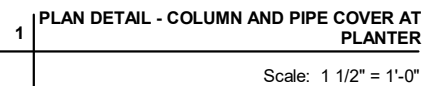
REVISION	DATE	BY

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

Designed By:

Date: 2022-03-08

Key Value	Keynote Text
033000.A	CONCRETE - REFER TO STRUCTURAL DRAWINGS
051212.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

[illegible]

CITY OF MADISON, DANE COUNTY, WI
60631ZZ5F
CONTRACT NO: 60631225C

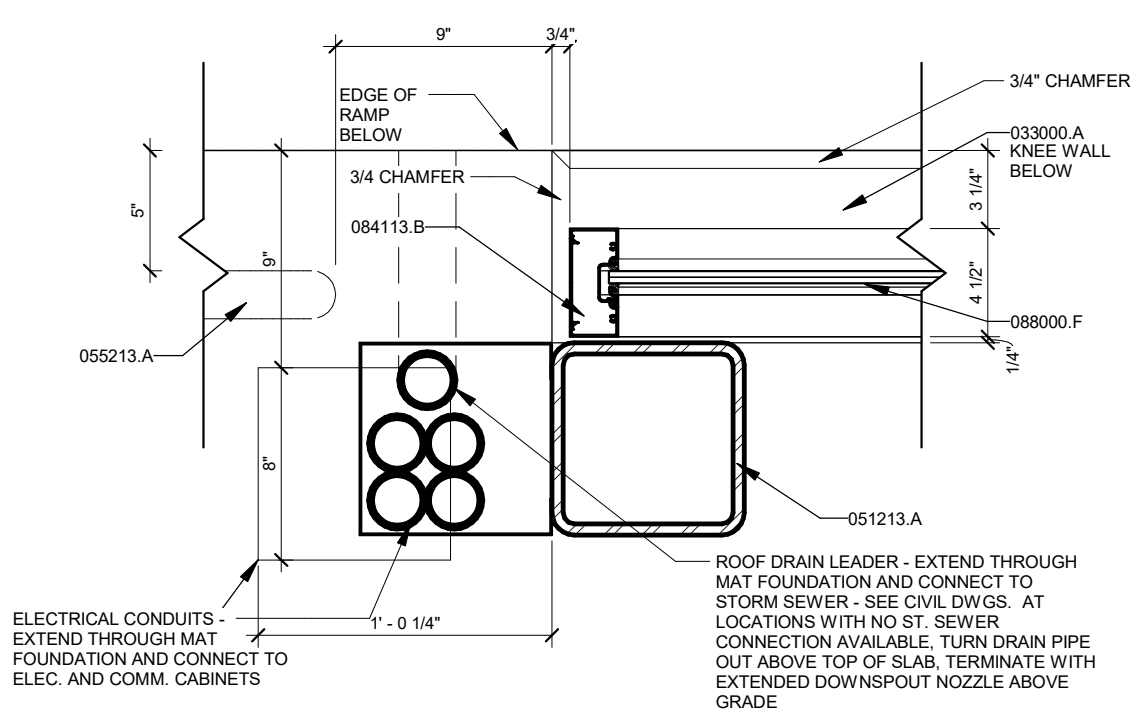
PLAN DETAILS

BUS RAPID TRANSIT

CITY OF MADISON

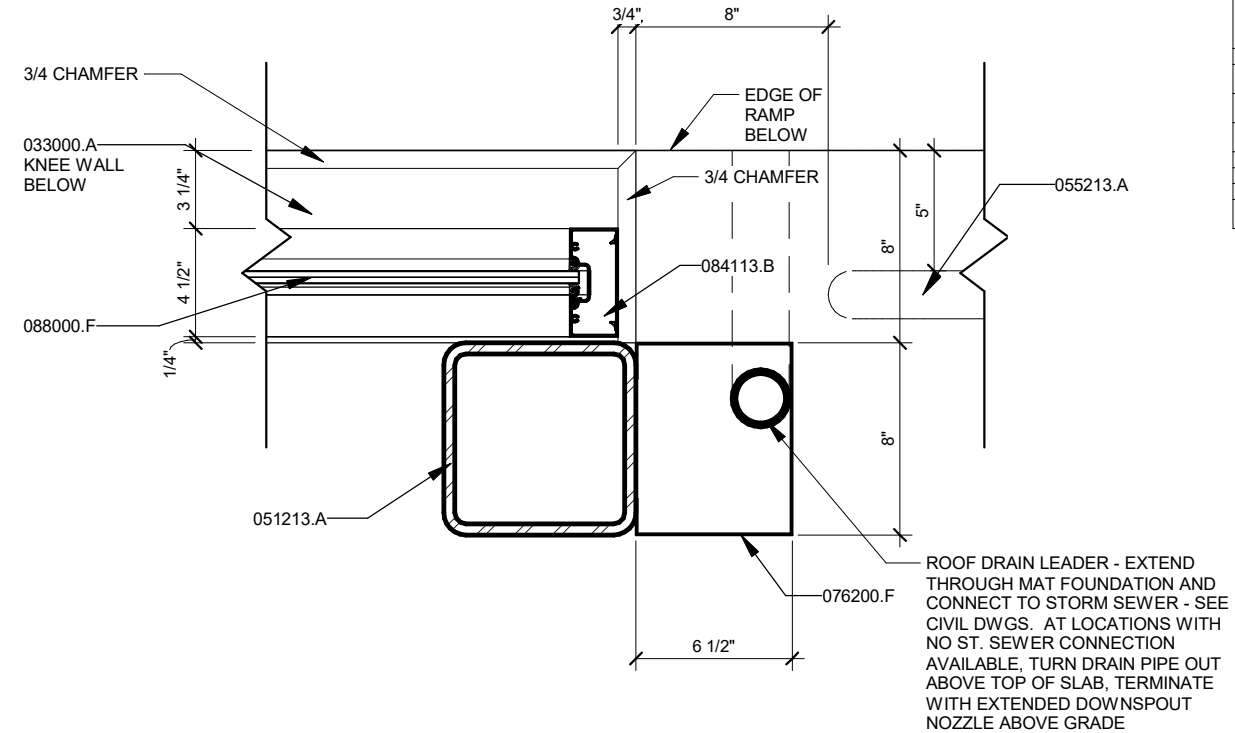


A411



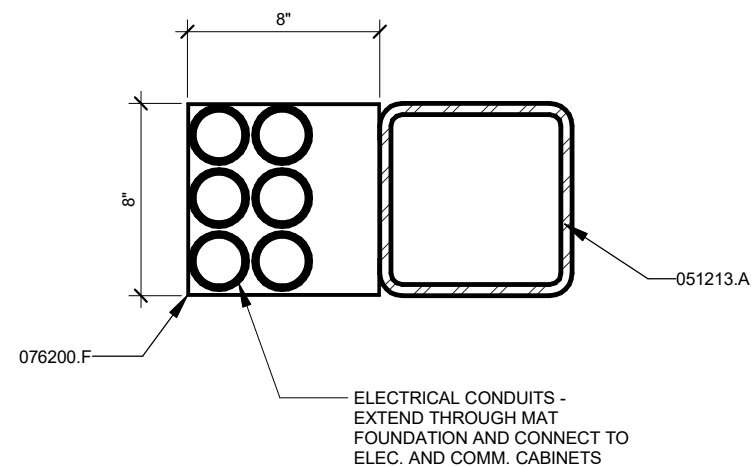
1 PLAN DETAIL - STOREFRONT END MULLION AT COLUMN WITH PIPE & CONDUIT COVER

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



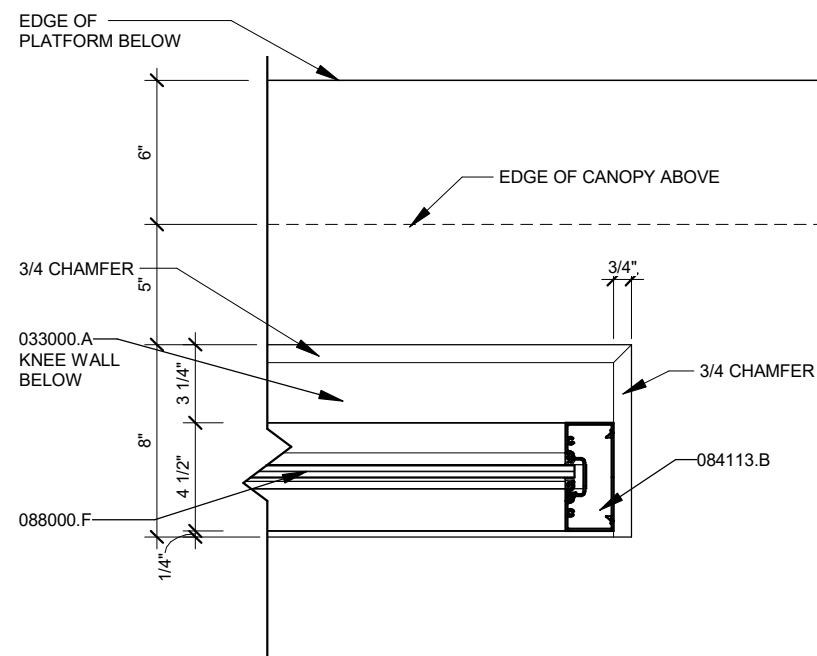
2 PLAN DETAIL - STOREFRONT END MULLION AT COLUMN WITH PIPE COVER

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



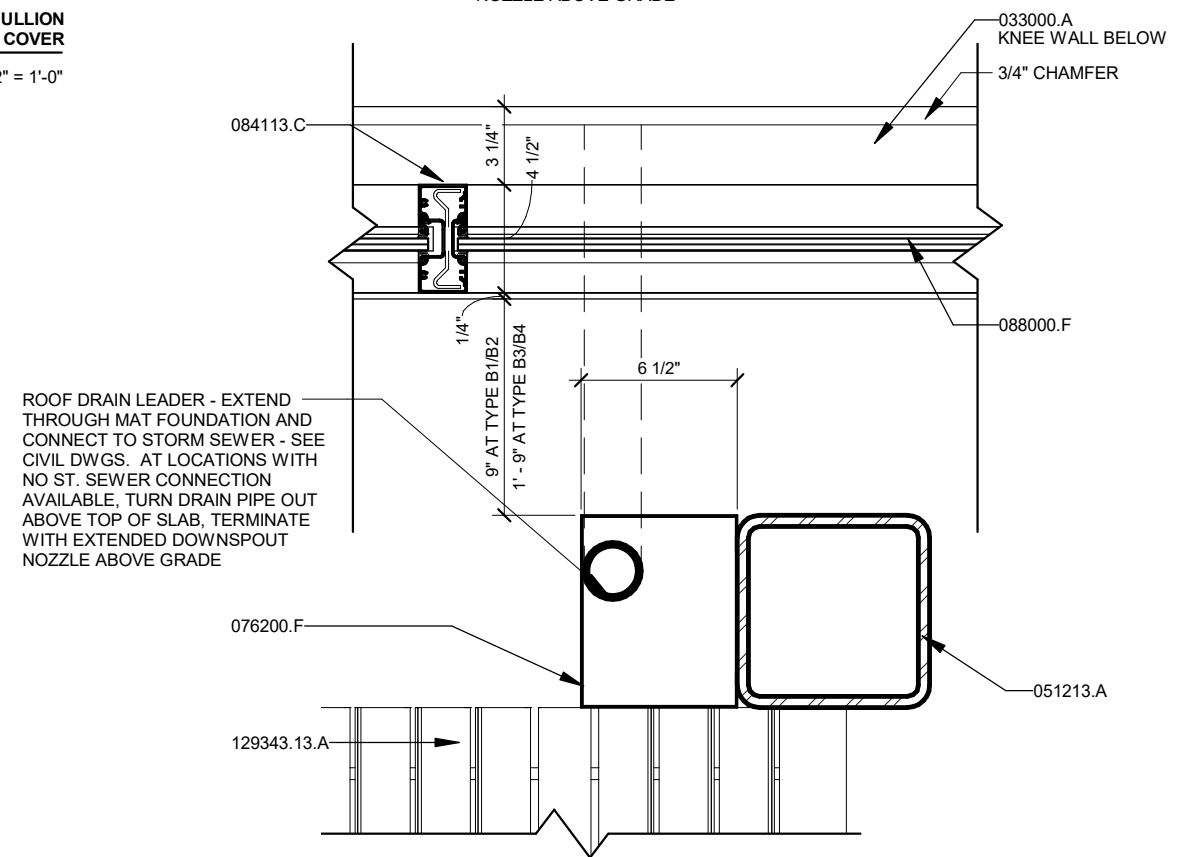
3 PLAN DETAIL - CONDUIT COVER AT COLUMN

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



4 PLAN DETAIL - STOREFRONT MULLION AT END OF KNEE WALL

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



5 PLAN DETAIL - PIPE COVER AT COLUMN AND BENCH

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

CONSTRUCTION KEYNOTES

Key Value	Keynote Text
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
129343.13.A	WALL MOUNTED BENCH - SECURE TO CONCRETE WALL W/ (3) EPOXY ANCHORS PER BRACKET

60631225P

CITY OF MADISON, DANE COUNTY, WI

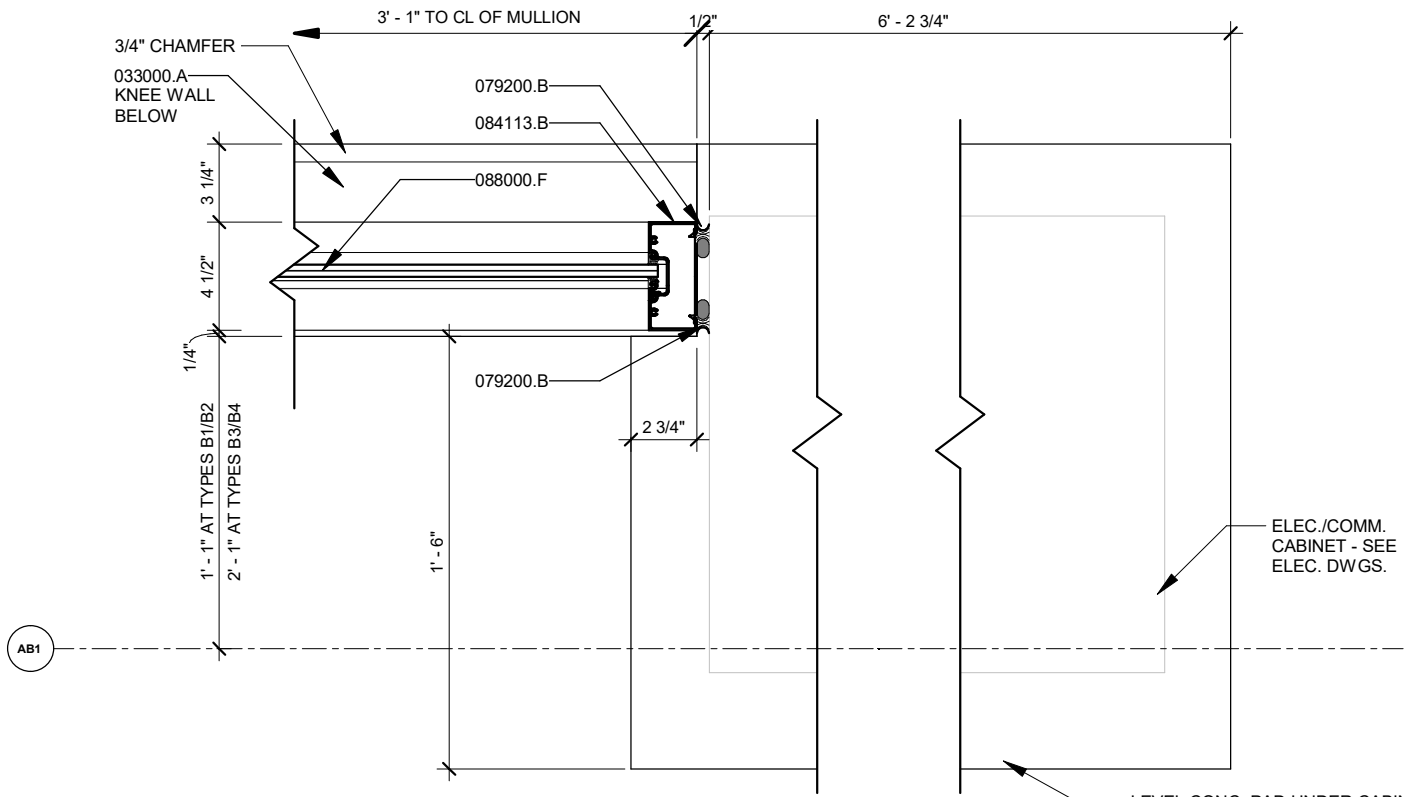
PLAN DETAILS

BUS RAPID TRANSIT

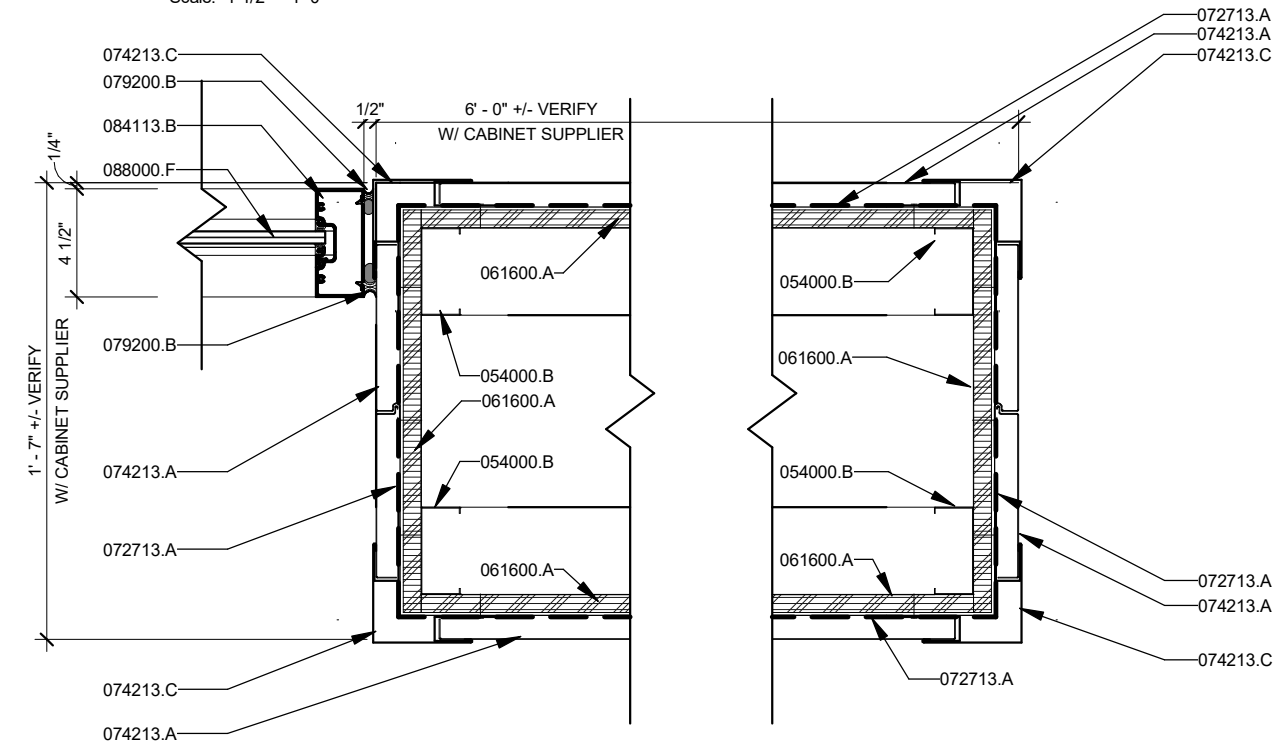
CITY OF MADISON

CONTRACT NO: 60631225C





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 Value	Keynote Text
033000.A	CONCRETE - REFER TO STRUCTURAL DRAWINGS
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

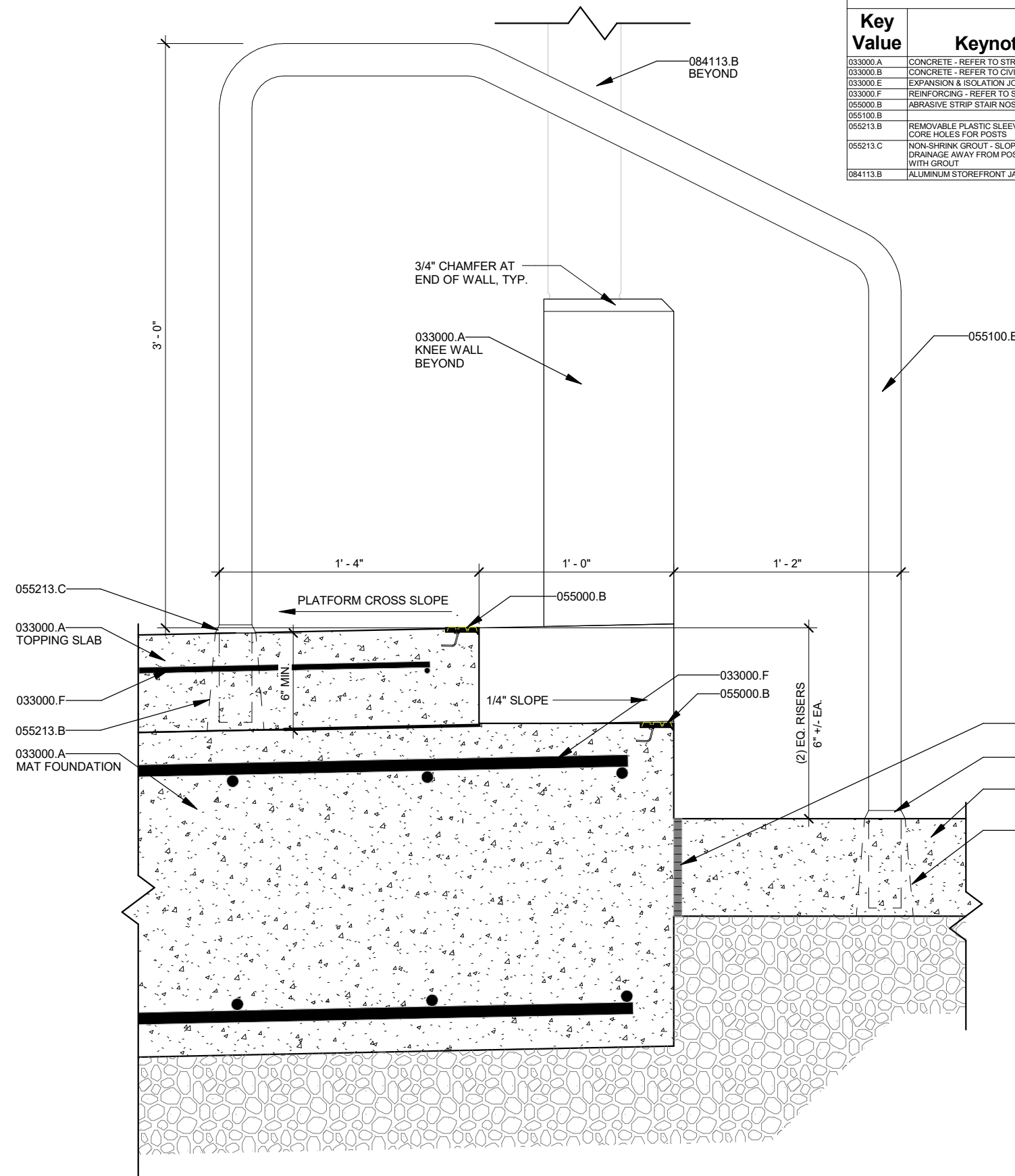
60631225P	60631225C
REVISION	DATE
MARK	BY
DESIGNED BY	DATE: 2022-03-08

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

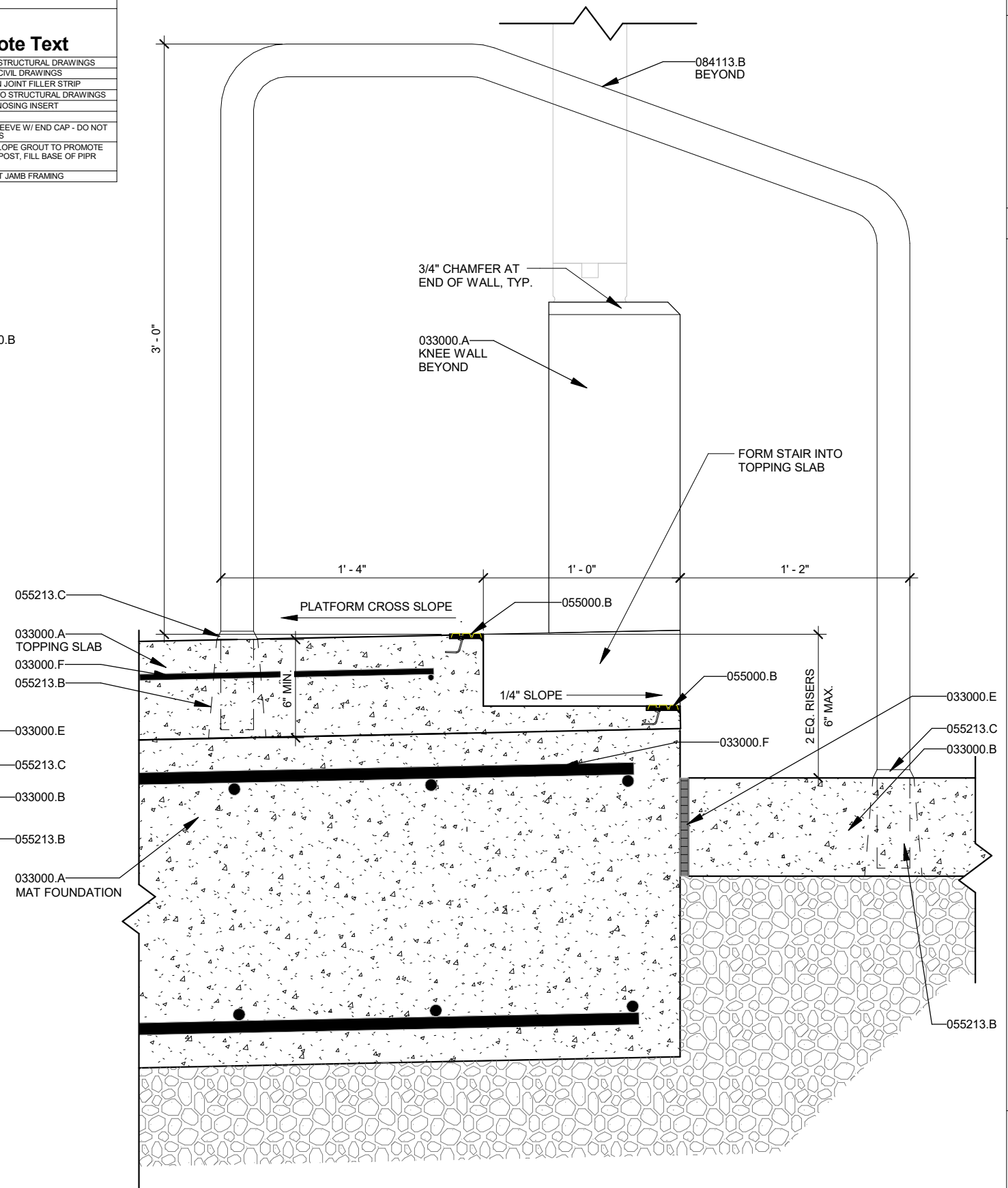
PLAN DETAILS
BUS RAPID TRANSIT
CITY OF MADISON



CONSTRUCTION KEYNOTES	
Key Value	Keynote Text
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
055100.B	
055213.B	REMOVE PLASTIC SLEEVE W/ END CAP - DO NOT CUT HOLES FOR POSTS
055213.C	NON-SHRINK GROUT - SLOPE GROUT TO PROMOTE DRAINAGE AWAY FROM POST, FILL BASE OF PIPE WITH GROUT
084113.B	ALUMINUM STOREFRONT JAMB FRAMING

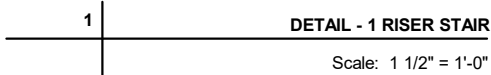


1	DETAIL - 2 RISER STAIR - 6" RISER
	Scale: 1 1/2" = 1'-0"



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

CONSTRUCTION KEYNOTES	
Key Value	Keynote Text
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



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CONTRACT NO: 60631225C

A421

CONSTRUCTION KEYNOTES

Key Value	Keynote Text
033000.A	CONCRETE - REFER TO STRUCTURAL DRAWINGS
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

60631225P

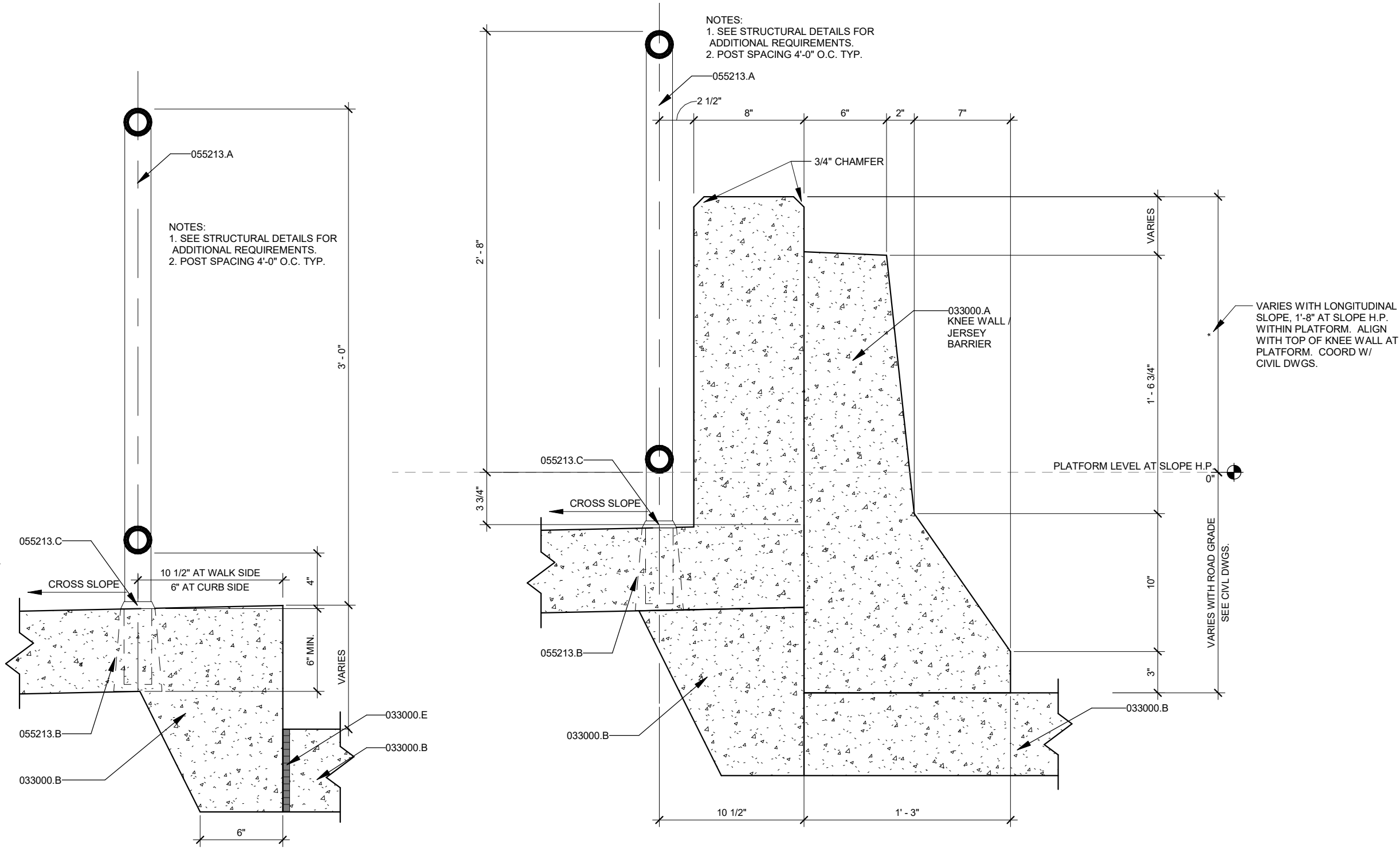
CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

RAMP AND HANDRAIL DETAILS

BUS RAPID TRANSIT

CITY OF MADISON



1

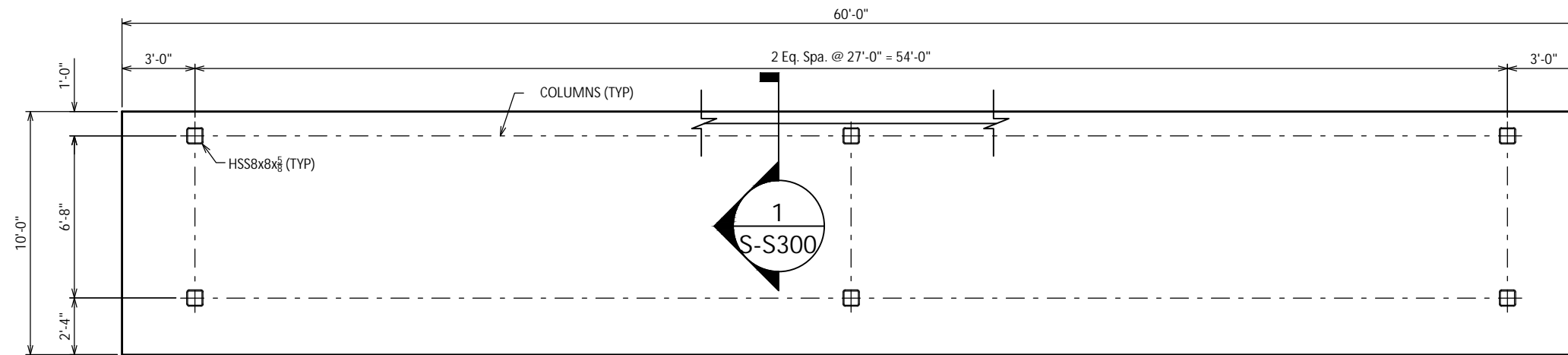
DETAIL - RAMP HANDRAIL

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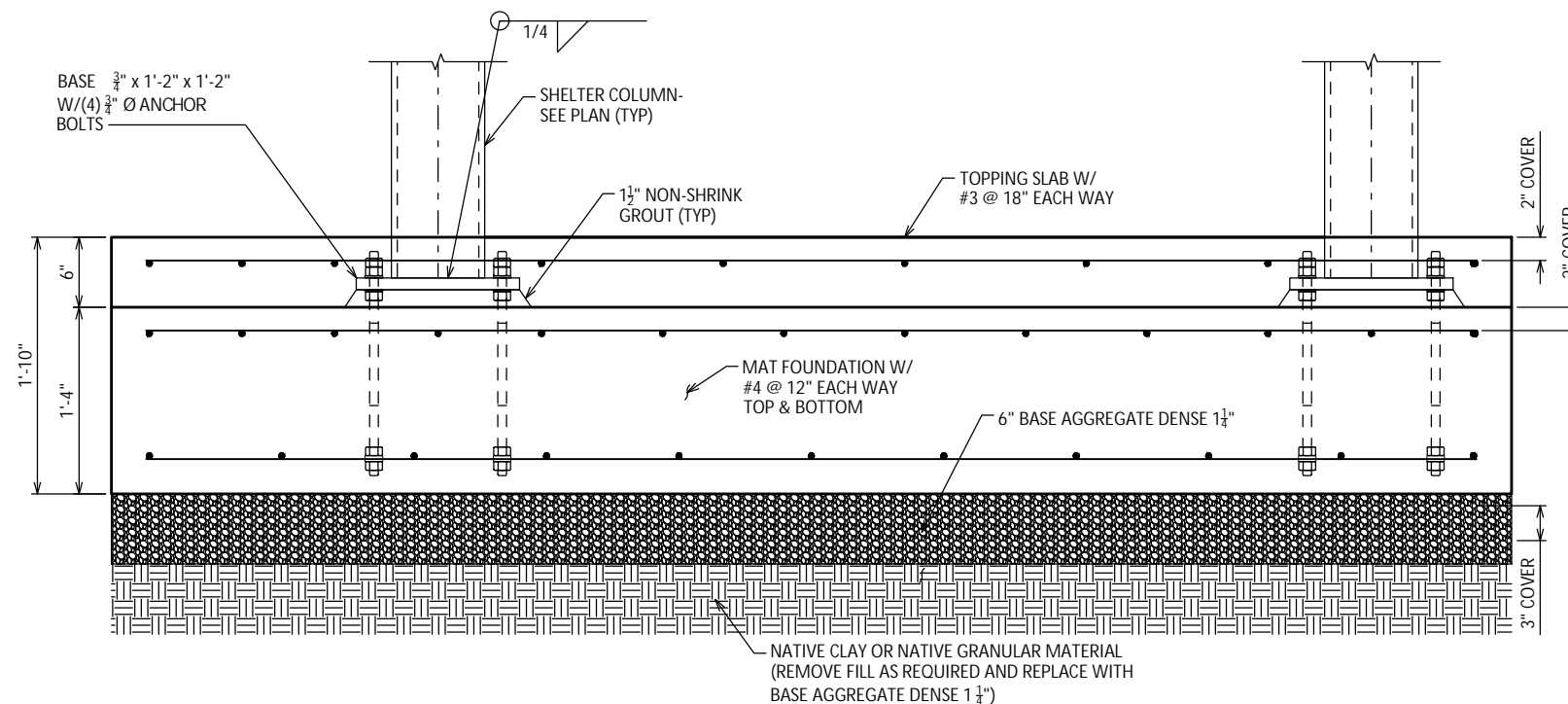
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DETAIL - RAMP HANDRAIL AT JERSEY BARRIER

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



1 SHELTER TYPES A1, A2, A5 & A6 FOUNDATION PLAN
1" = 6'-0"



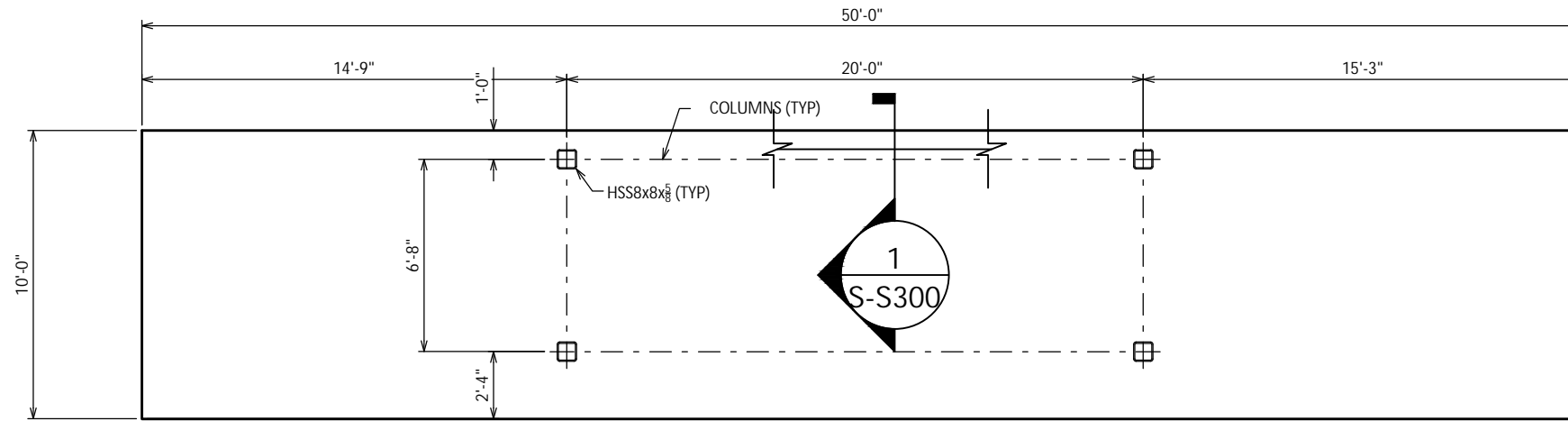
3/4 SHELTER TYPES A1, A2, A5 & A6 FOUNDATION SECTION
3/4" = 1'-0"

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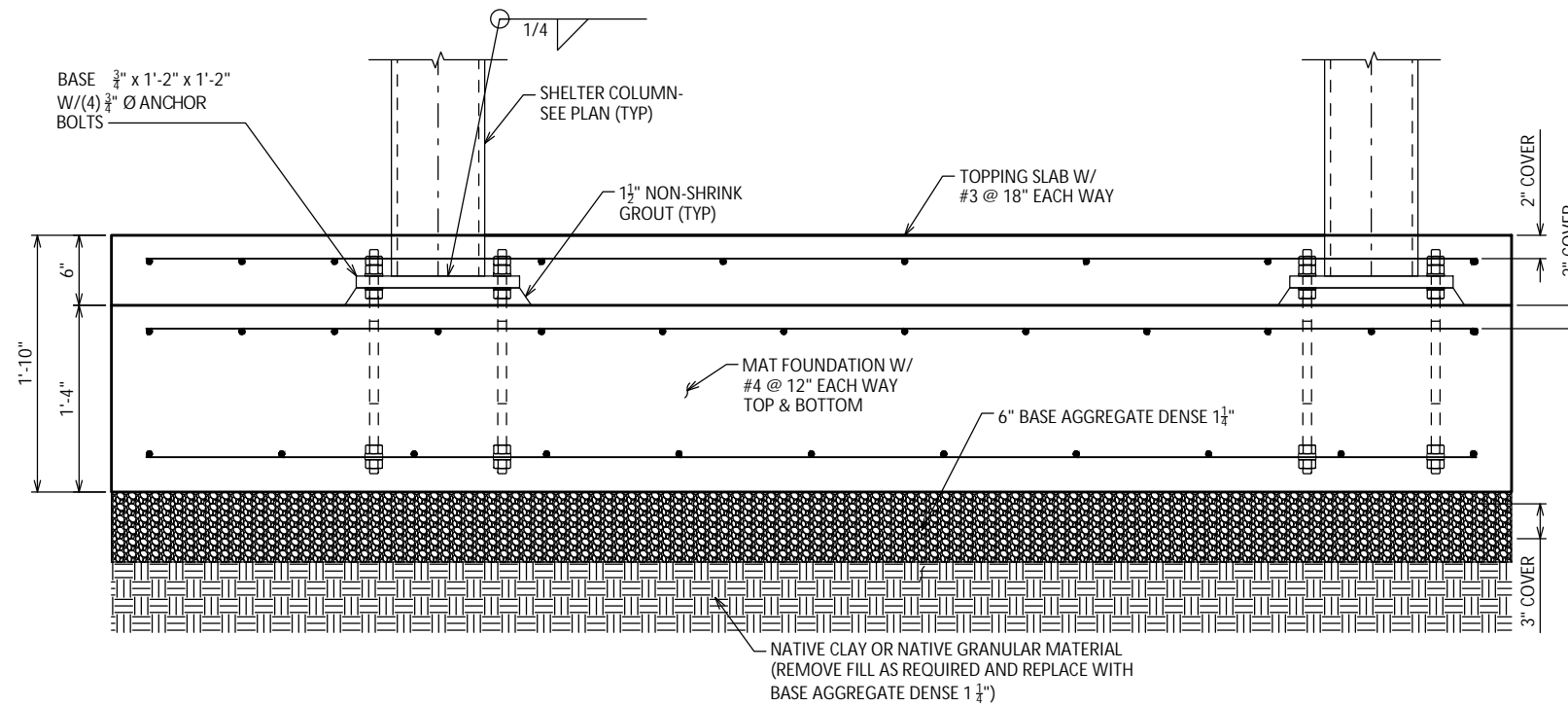
60631225P
CITY OF MADISON, DANE COUNTY, WI
CONTRACT NO: 60631225C



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1 SHELTER TYPES A3, A4 & A7 FOUNDATION PLAN
1" = 6'-0"



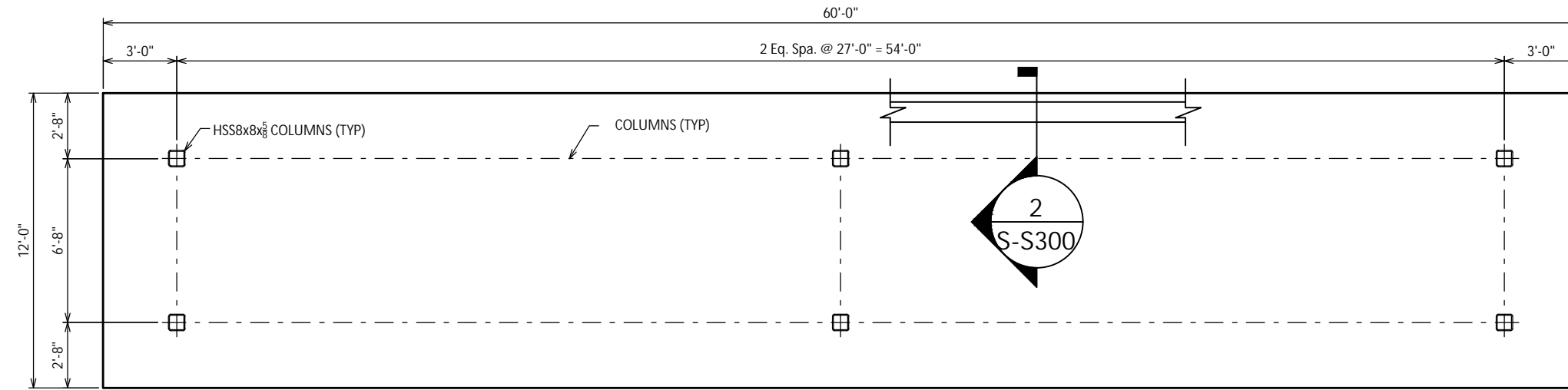
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3/4" = 1'-0"


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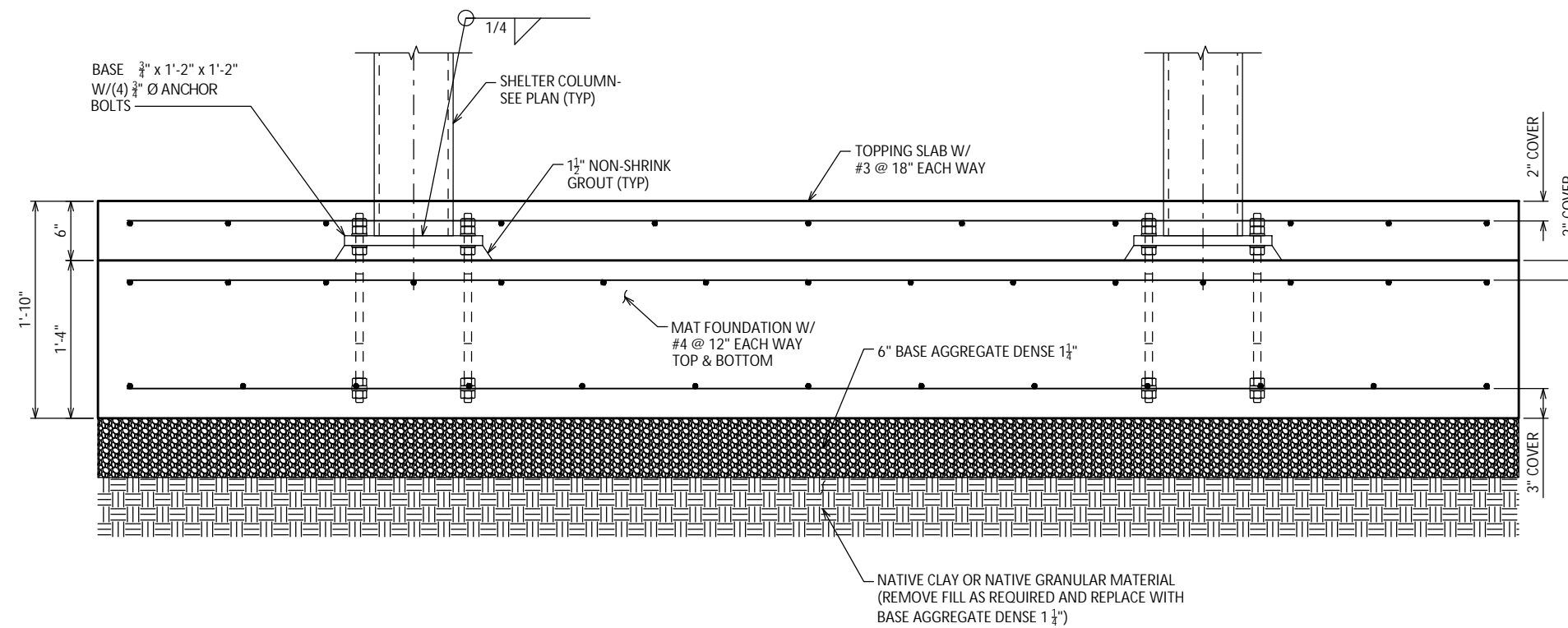
60631225P
CITY OF MADISON, DANE COUNTY, WI
CONTRACT NO: 60631225C




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SHELTER TYPES B1 & B2 FOUNDATION PLAN
 1" = 6'-0"



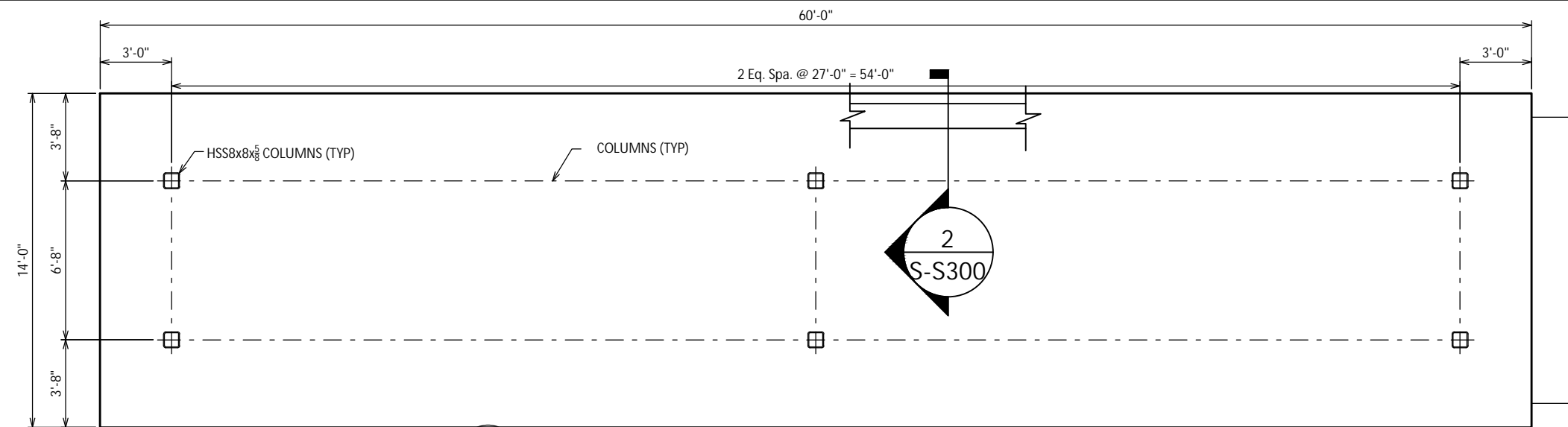

SHELTER TYPES B1 & B2 FOUNDATION SECTION
 3/4" = 1'-0"

MARK	REVISION	DATE	BY
60631225P			

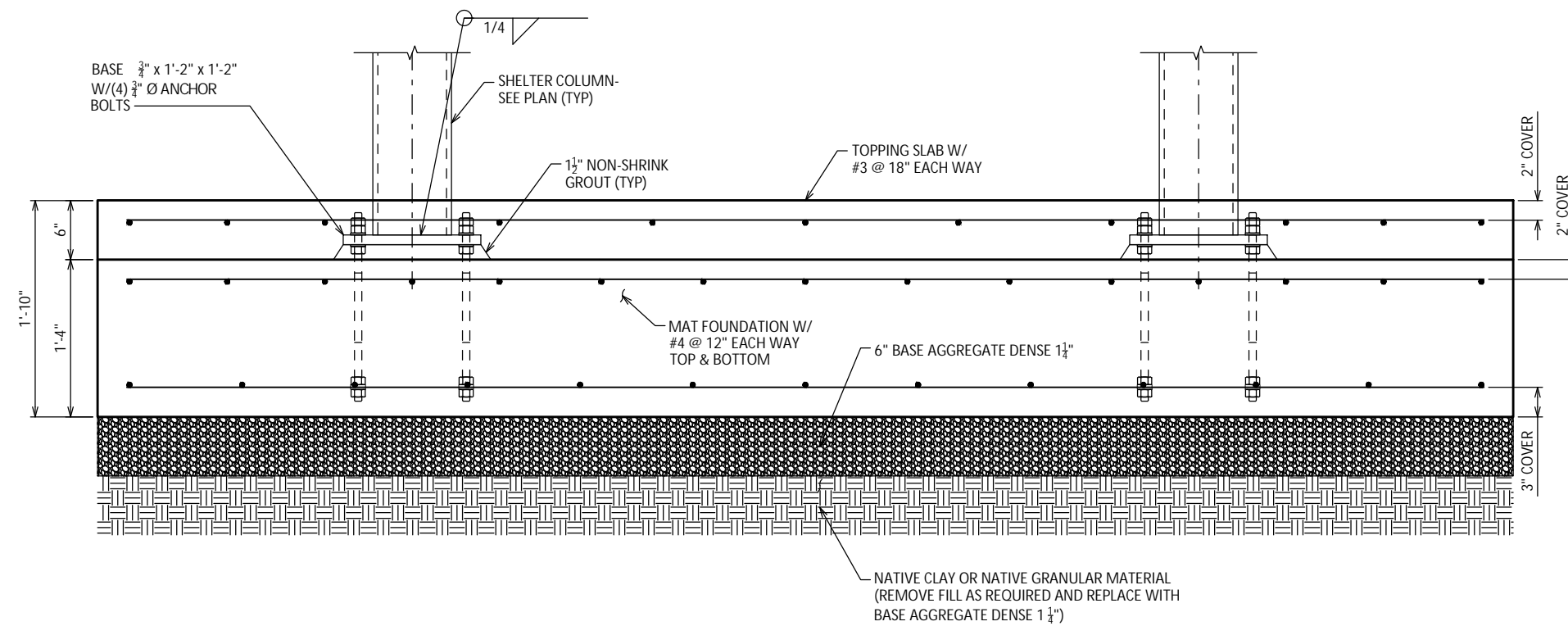
60631225P
 CITY OF MADISON, DANE COUNTY, WI
 CONTRACT NO: 60631225C



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SHELTER TYPES B3 & B4 FOUNDATION PLAN
1" = 6'-0"



SHELTER TYPES B3 & B4 FOUNDATION SECTION
3/4" = 1'-0"

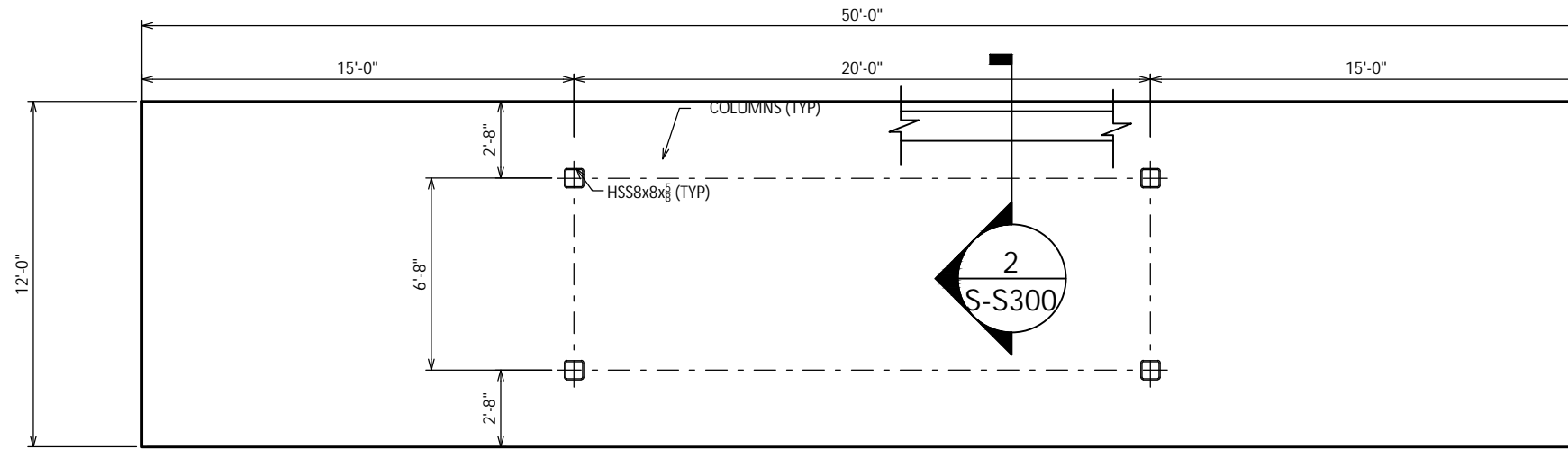
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60631225P			

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

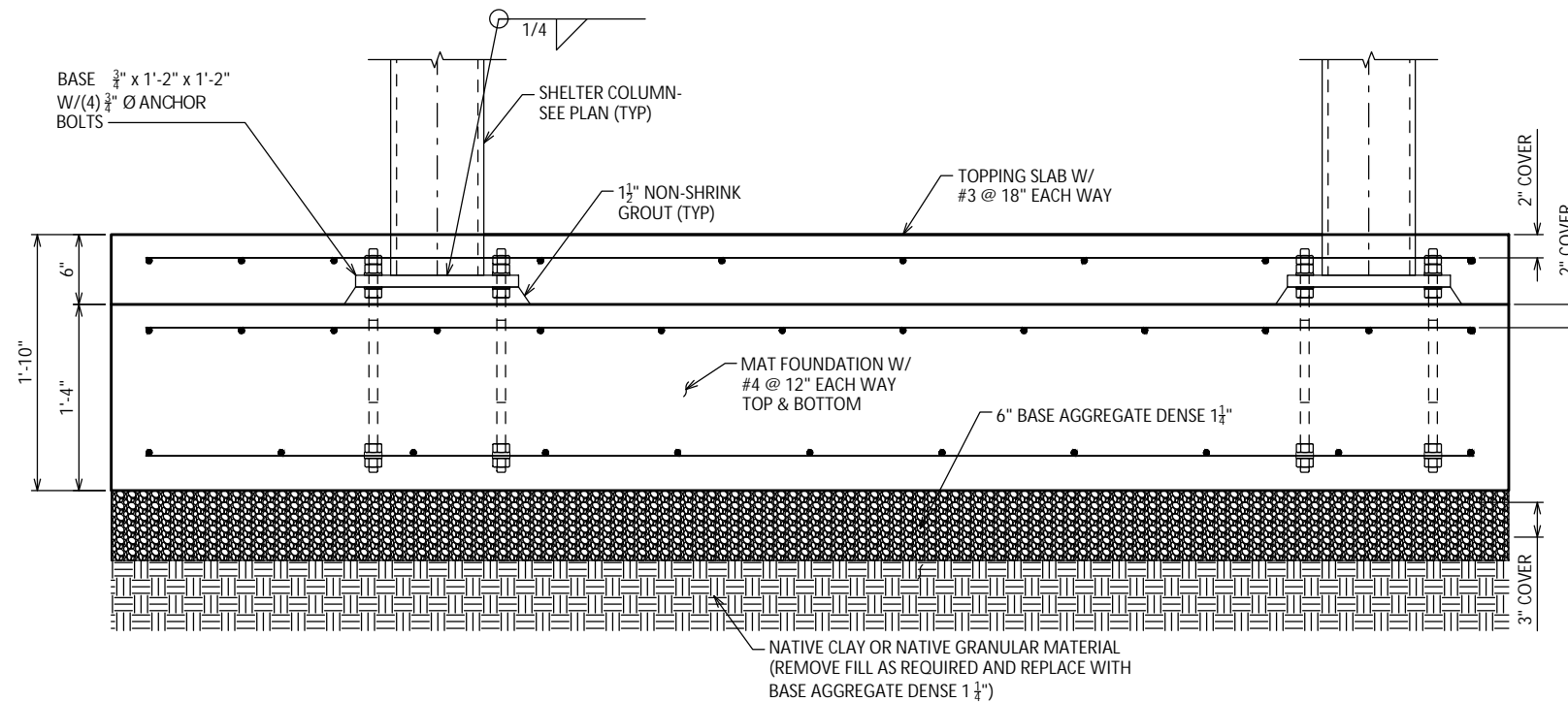
BUS RAPID TRANSIT
CITY OF MADISON



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



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

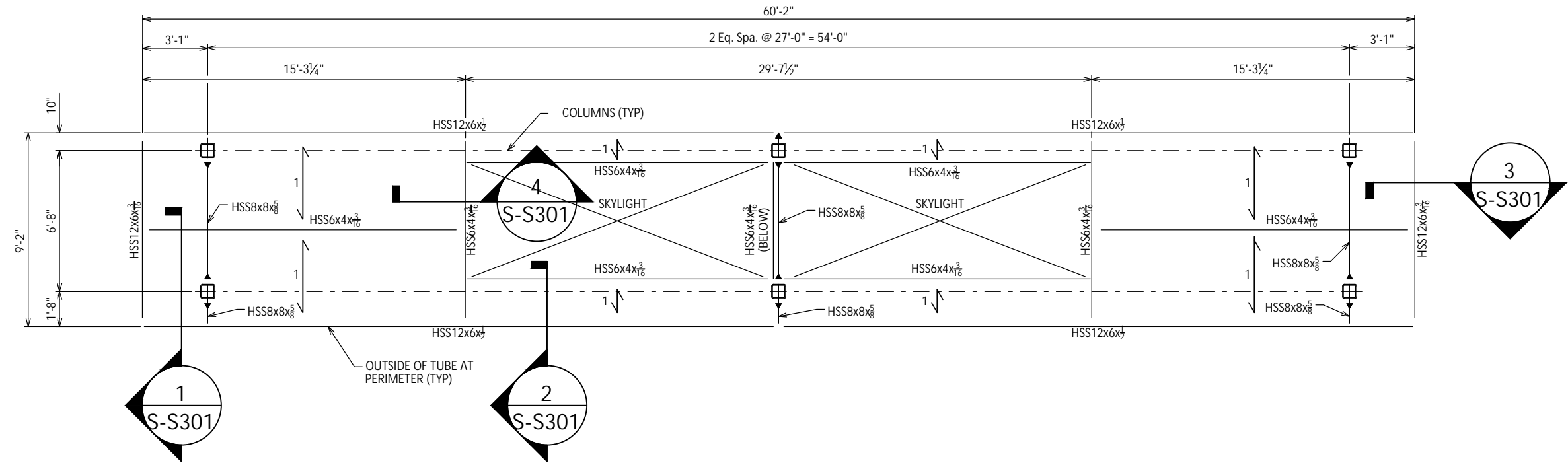


BUS RAPID TRANSIT
CITY OF MADISON

60631225P
CITY OF MADISON, DANE COUNTY, WI
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MARK	REVISION	DATE	BY
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SHELTER TYPES A1, A2, A5 & A6 ROOF FRAMING PLAN
1" = 6'-0"

PLAN NOTES

1. 1-1/2"x22 GA TYPE B ROOF DECK, FASTENED TO SUPPORT FRAMING WITH #12 TEK SCREWS IN A 36/4 PATTERN.
2.  INDICATES MOMENT CONNECTION.

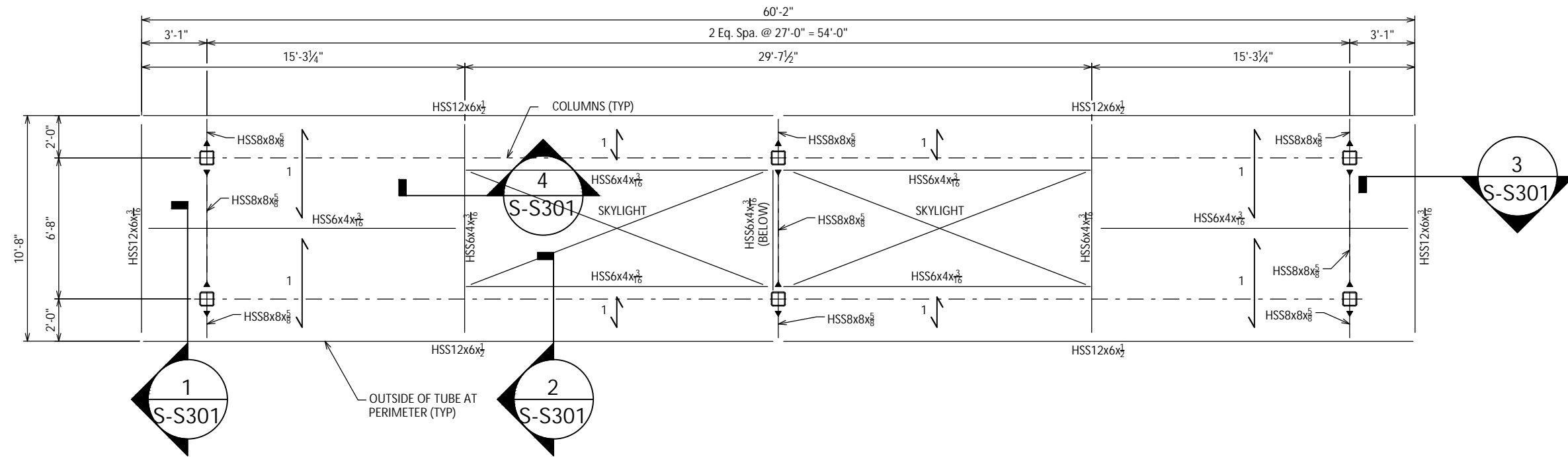


BUS RAPID TRANSIT
CITY OF MADISON

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CITY OF MADISON, DANE COUNTY, WI
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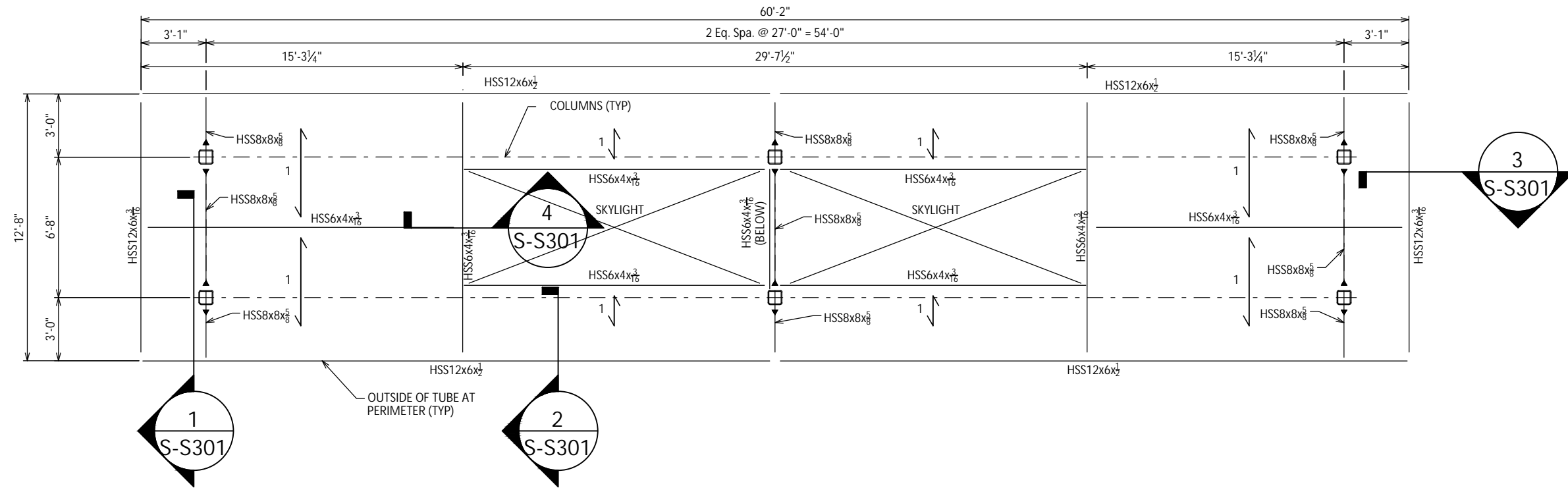


SHELTER TYPES B1 & B2 ROOF FRAMING PLAN
1" = 6'-0"

PLAN NOTES

1. 1-1/2"x22 GA TYPE B ROOF DECK, FASTENED TO SUPPORT FRAMING WITH #12 TEK SCREWS IN A 36/4 PATTERN.
2. — INDICATES MOMENT CONNECTION.





SHELTER TYPES B3 & B4 ROOF FRAMING PLAN
1" = 6'-0"

PLAN NOTES

- 1-1/2"x22 GA TYPE B ROOF DECK, FASTENED TO SUPPORT FRAMING WITH #12 TEK SCREWS IN A 36/4 PATTERN.
- INDICATES MOMENT CONNECTION.



BUS RAPID TRANSIT
CITY OF MADISON

60631225P
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SHELTER TYPES C ROOF FRAMING PLAN

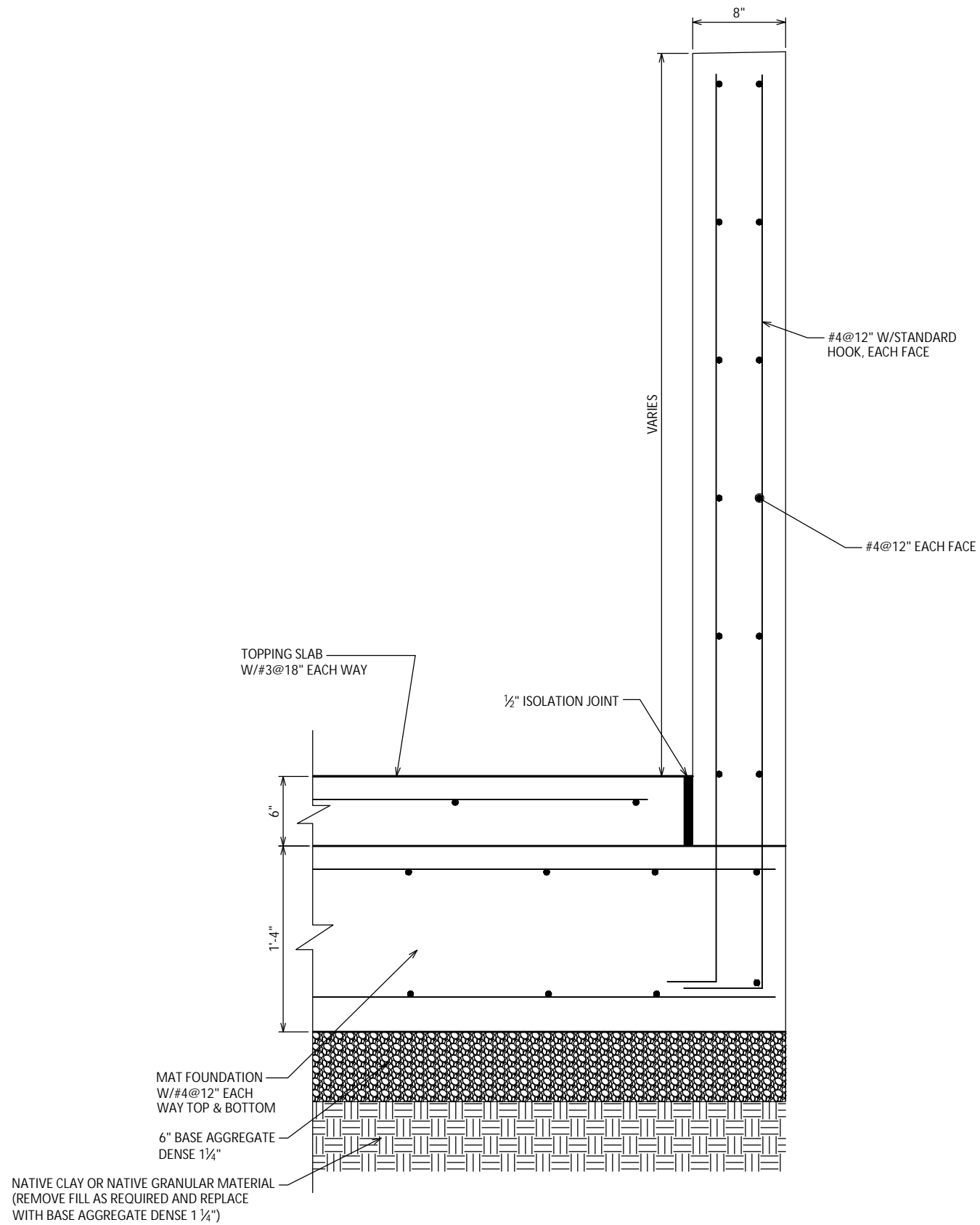
1" = 6'-0"

- 1-1/2"x22 GA TYPE B ROOF DECK, FASTENED TO SUPPORT FRAMING WITH #12 TEK SCREWS IN A 36/4 PATTERN.
- INDICATES MOMENT CONNECTION.

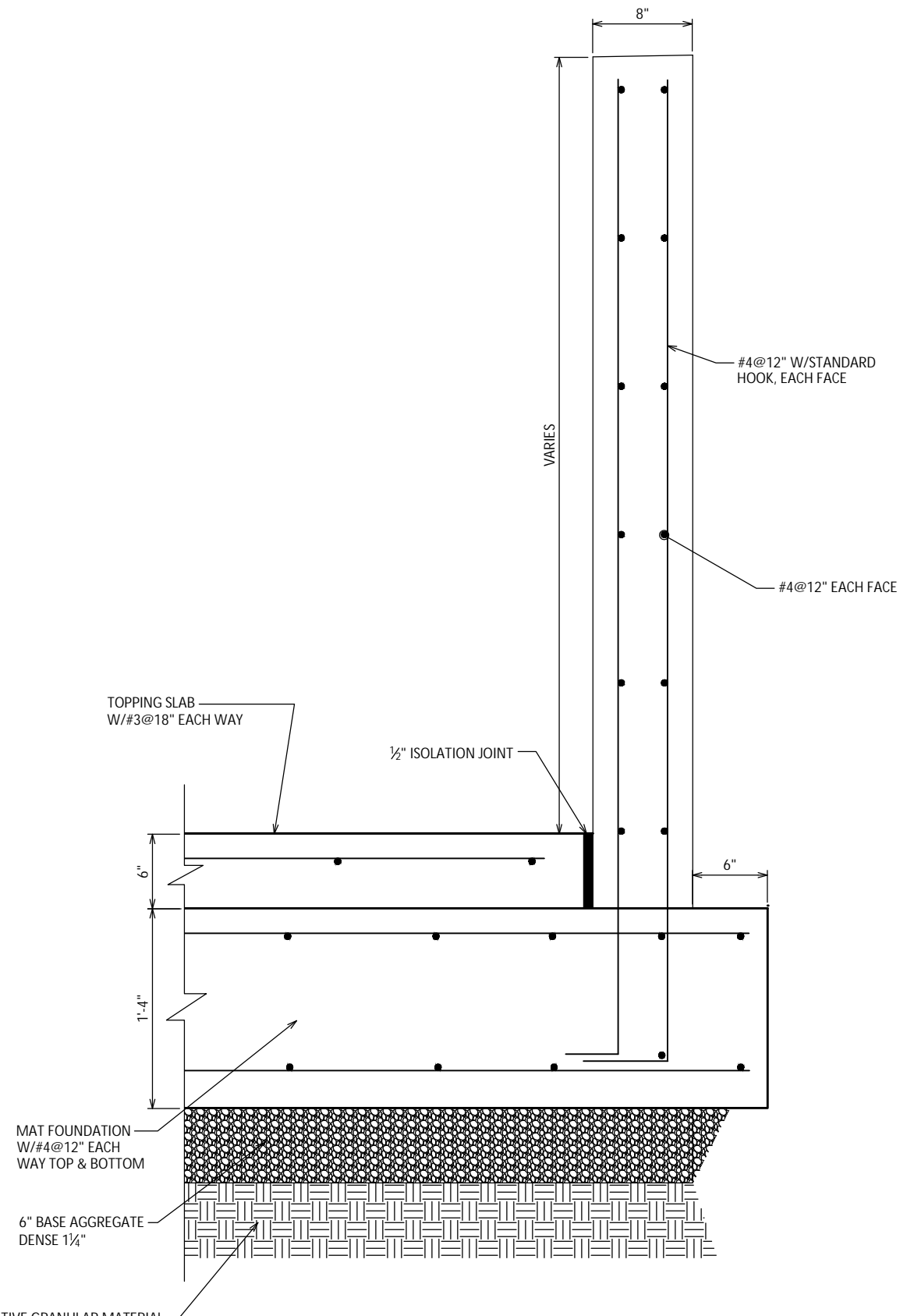
BUS RAPID TRANSIT	60631225P
CITY OF MADISON	CITY OF MADISON, DANE COUNTY, WI
CONTRACT NO.	60631225C



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



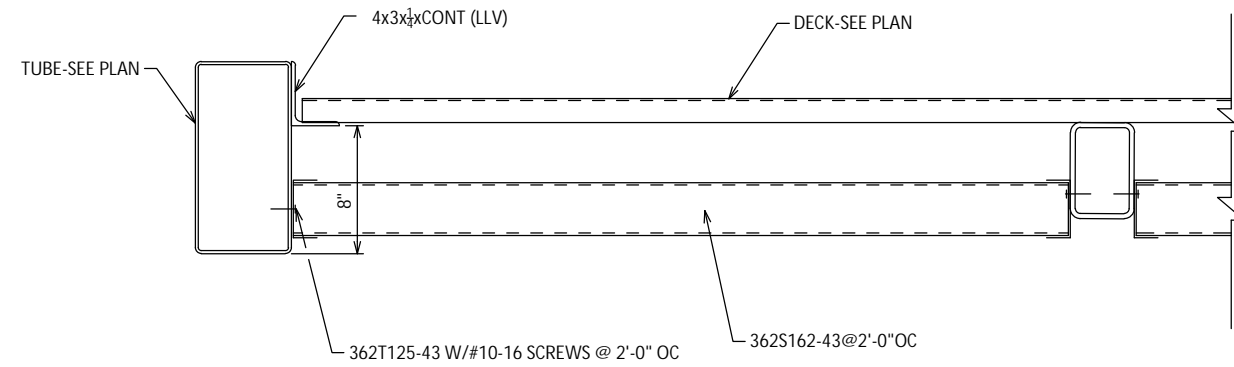
2 DETAIL AT KNEE WALL
1" = 1'-0"

MARK	REVISION	DATE	BY
60631225P			

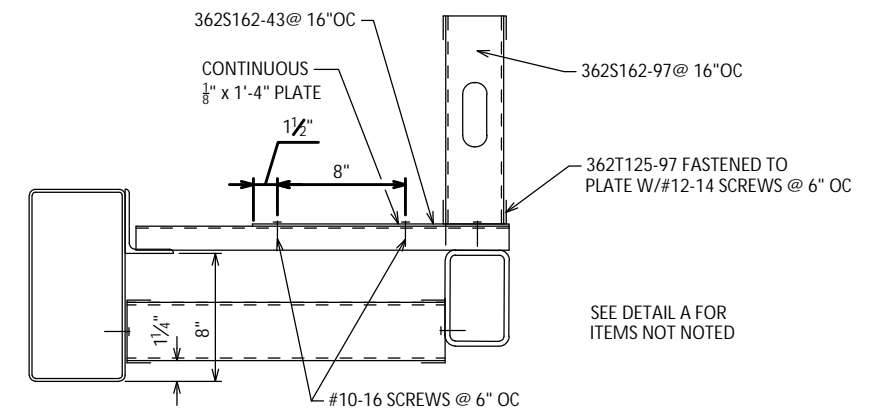
60631225P
CITY OF MADISON, DANE COUNTY, WI
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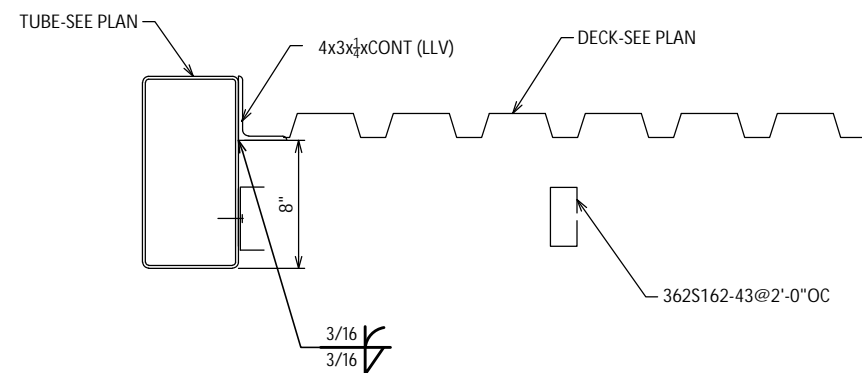
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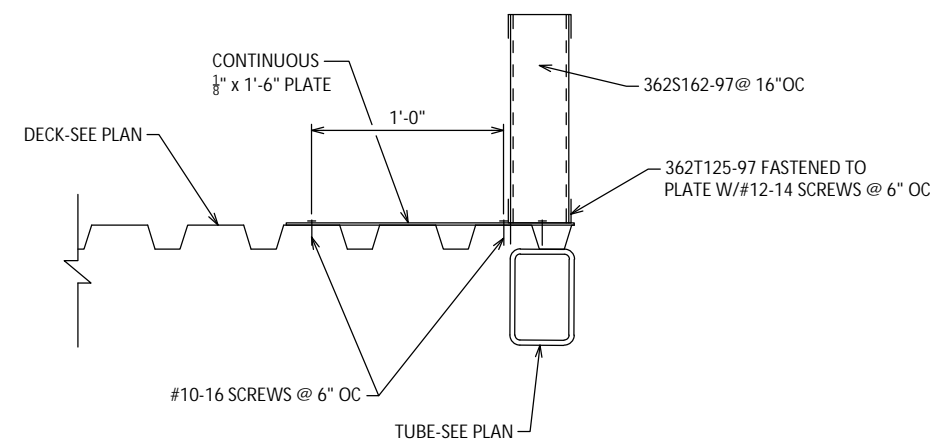
1 ROOF EDGE DETAIL




2 DETAIL AT SKYLIGHT KNEE WALL

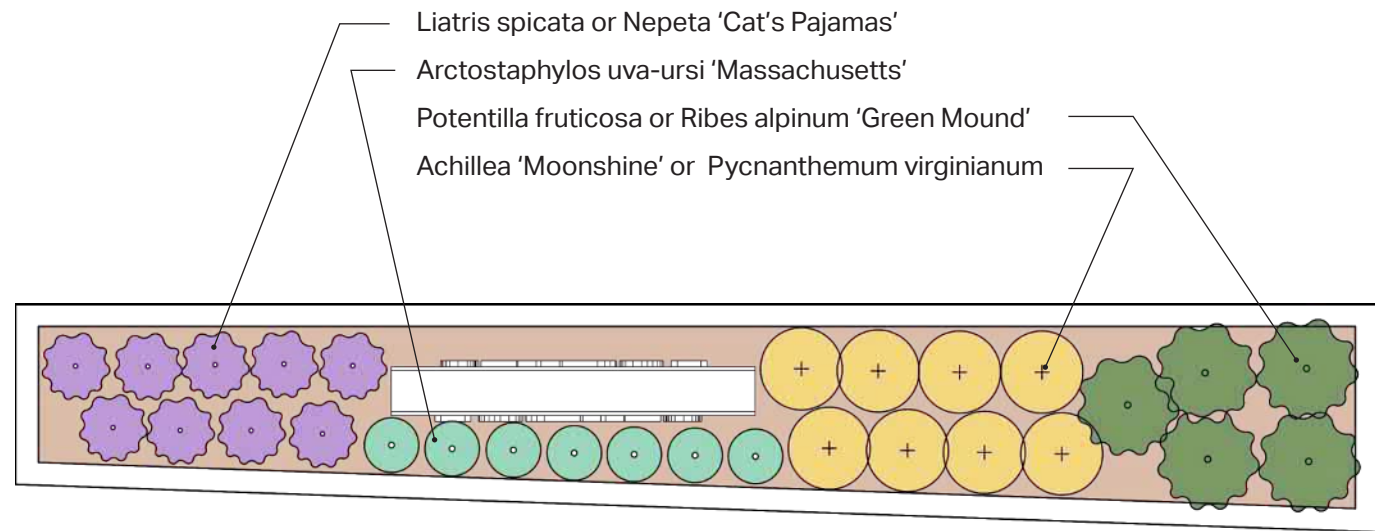


3 ROOF EDGE DETAIL



4 DETAIL AT SKYLIGHT KNEE WALL

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BUS RAPID TRANSIT		CITY OF MADISON, DANE COUNTY, WI																									
CITY OF MADISON		CONTRACT NO: 60631225C																									
		<table border="1"> <tr> <td>MARK</td> <td>REVISION</td> <td>DATE</td> <td>BY</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table>		MARK	REVISION	DATE	BY																				
MARK	REVISION	DATE	BY																								
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PLANT LIST

BOTANICAL NAME	COMMON NAME	SIZE	CONDITION	SPACING
<i>Achillea</i> 'Moonshine'	Moonshine Yarrow	2 gal	potted	1'-0" O.C.
<i>Arctostaphylos uva-ursi</i> 'Massachusetts'	Massachusetts Common bearberry	2 gal	potted	6" O.C.
<i>Liatris spicata</i>	Blazing Star	2 gal	potted	6" O.C.
<i>Nepeta</i> 'Cat's Pajamas'	Catmint	2 gal	potted	1'-0" O.C.
<i>Potentilla fruticosa</i>	Shrubby Cinquefoil	2 gal	potted	1'-0" O.C.
<i>Pycnanthemum virginianum</i>	American mountain mint	2 gal	potted	1'-0" O.C.
<i>Ribes alpinum</i> 'Green Mound'	Alpine Currant	2 gal	potted	1'-0" O.C.

PLANT DESCRIPTION

Arctostaphylos uva-ursi 'Massachusetts'



Common Name: common bearberry
Type: Herbaceous perennial
Family: Ericaceae
Zone: 2 to 6
Height: 0.50 to 1.00 feet
Spread: 3.00 to 6.00 feet
Bloom Time: April to May
Bloom Description: White with tinge of pink
Sun: Full sun to part shade
Water: Dry to medium
Maintenance: Low
Suggested Use: Ground Cover
Flower: Showy
Attracts: Birds
Fruit: Showy
Tolerate: Erosion

Liatris spicata



Common Name: blazing star 

Type: Herbaceous perennial

Family: Asteraceae

Zone: 3 to 8

Height: 0.75 to 1.50 feet

Spread: 0.50 to 1.00 feet

Bloom Time: July to August

Bloom Description: Deep purple

Sun: Full sun

Water: Medium

Maintenance: Low

Flower: Showy, Good Cut, Good Dried

Attracts: Birds, Butterflies

Tolerate: Clay Soil

Nepeta 'Cat's Pajamas

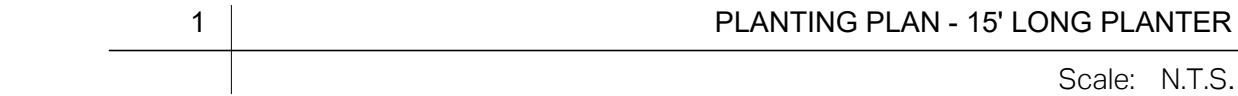


Common Name: catmint
Type: Herbaceous perennial
Family: Lamiaceae
Zone: 3 to 8
Height: 1.00 to 1.25 feet
Spread: 1.50 to 1.75 feet
Bloom Time: May to September
Bloom Description: Lavender-blue
Sun: Full sun
Water: Dry to medium
Maintenance: Low
Flower: Showy
Leaf: Fragrant
Attracts: Butterflies
Tolerate: Rabbit, Deer, Drought, Dry Soil, Shallow-Rocky Soil, Air Pollution

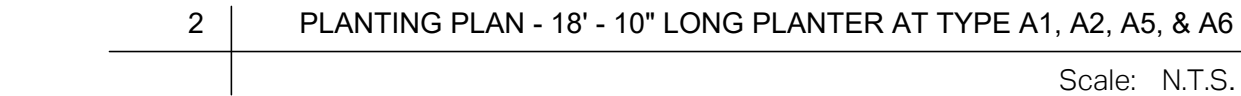
Achillea 'Moonshine'



Common Name: yarrow 
Type: Herbaceous perennial
Family: Asteraceae
Zone: 3 to 8
Height: 1.00 to 2.00 feet
Spread: 0.75 to 1.00 feet
Bloom Time: June to September
Bloom Description: Bright yellow
Sun: Full sun
Water: Dry to medium
Maintenance: Medium
Flower: Showy, Good Cut, Good Dried
Leaf: Fragrant
Tolerate: Deer, Drought, Dry Soil



SYMBOL	BOTANICAL NAME	COMMON NAME	MATURE HEIGHT	SIZE	CONDITION	SPACING
ANC	<i>Anemone canadensis</i>	Canada anemone	18"	1 gal	potted	6" O.C.
ARU	<i>Arctostaphylos uva-ursi</i> 'Massachusetts'	Common bearberry 'Massachusetts'	6"	1 gal	potted	1'-0" O.C.
AST	<i>Asclepias tuberosa</i>	Butterfly milkweed	24"	1 gal	potted	1'-0" O.C.
COL	<i>Coreopsis lanceolata</i>	Sand coreopsis	18"	1 gal	potted	1'-0" O.C.
GEM	<i>Geranium maculatum</i>	Wild geranium	12"	1 gal	potted	9" O.C.
GET	<i>Geum triflorum</i>	Prairie smoke	6"	1 gal	potted	6" O.C.
KOM	<i>Koeleria macrantha</i>	June grass	24"	3 gal	potted	1'-0" O.C.
LIS	<i>Liatris spicata</i>	Blazing Star	24"	1 gal	potted	6" O.C.
NEC	<i>Nepeta</i> 'Cat's Pajamas'	Catmint	12"	2 gal	potted	1'-0" O.C.
POF	<i>Potentilla fruticosa</i>	Shrubby Cinquefoil	30"	3 gal	potted	2'-0" O.C.
POR	<i>Polemonium reptans</i>	Jacob's ladder	15"	1 gal	potted	9" O.C.
SPH	<i>Sporobolus heterolepis</i>	Prairie dropseed	36"	3 gal	potted	1'-6" O.C.



MADISON BRT PH2

SHEET INDEX		
SHEET NUMBER	SHEET NAME	SCHEMATIC DESIGN
GENERAL		
G001	SHEET INDEX	
G002	GENERAL NOTES AND CODE ANALYSIS	
G003	ABBREVIATIONS	
G004	ABBREVIATIONS	
G005	ABBREVIATIONS	
G006	ADA - BF MOUNTING HEIGHTS	
G007	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	
17		

SHEET INDEX		
SHEET NUMBER	SHEET NAME	SCHEMATIC DESIGN
ARCHITECTURAL		
A001	FINISH FLOOR PLAN OVERALL COMBINED	•
A002	FINISH FLOOR PLAN OVERALL SEPARATED	
A101A	ENLARGED COMFORT AND JC/STO ROOM FLOOR PLAN	•
A101B	ENLARGED ELECTRICAL ROOM FLOOR PLAN	•
A102	ROOF PLAN	•
A201	EXTERIOR ELEVATIONS	•
A202	EXTERIOR ELEVATIONS	•
A210	TYPICAL INTERIOR ELEVATIONS	
A301	BUILDING SECTIONS	•
A310	WALL SECTIONS	
A311	WALL SECTIONS	
A401	PLAN DETAILS	•
A402	DOOR FRAME DETAILS	
A403	DOOR SILL DETAIL	
A405	ROOF DETAILS	
A601	EXTERIOR WALL SYSTEMS	
A602	INTERIOR PARTITION TYPES	
A610	SCHEDULES	
A701	REFLECTED CEILING PLAN	•
A901	ISOMETRIC VIEWS COMBINED	•
A902	ISOMETRIC VIEWS COMFORT ROOMS	
A903	ISOMETRIC VIEWS ELECTRICAL ROOM	
22		
PLUMBING		
P001	OVERALL SANITARY/VENT FLOOR PLAN	
P002	OVERALL WATER FLOOR PLAN	
2		
MECHANICAL		
M001	OVERALL HVAC FLOOR PLAN	
M002	OVERALL MECHANICAL ROOF PLAN	
M401	MECHANICAL DETAILS	
M601	MECHANICAL SCHEDULES	
4		
SHEET COUNT: 45		

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CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

SHEET INDEX

BUS RAPID TRANSIT

CITY OF MADISON



G001

REVISION

Date: 2022-03-08

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Desiged By:

DATE

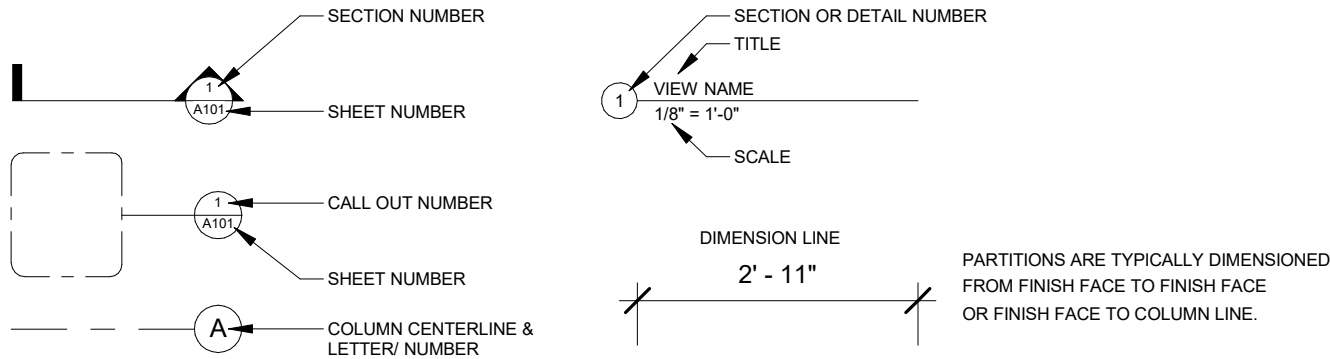
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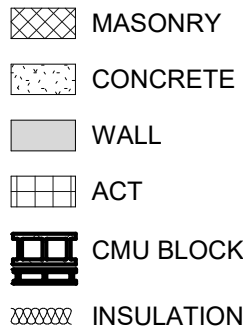
GENERAL NOTES:

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.
7. 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 CONFORM 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.

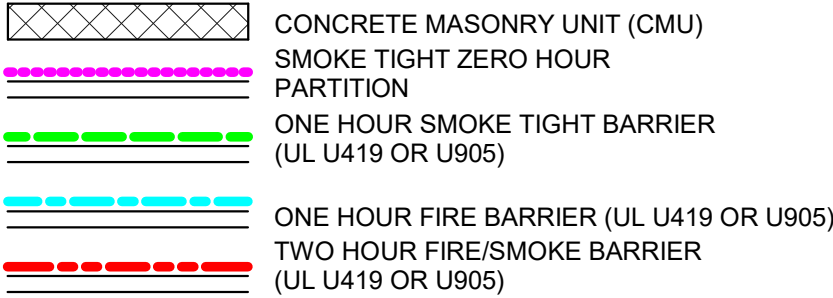
DRAWING SYMBOLS




MATERIALS LEGEND



PARTITION TYPE LEGEND




G002	 <p>GENERAL NOTES AND CODE ANALYSIS</p> <p>60631225P</p> <p>CITY OF MADISON, DANE COUNTY, WI</p> <p>BUS RAPID TRANSIT</p> <p>CITY OF MADISON</p>	<p>MARK</p> <p>REVISION</p> <p>DATE</p> <p>BY</p>
	<p>Designed By:</p> <p>Date: 2022-03-08</p> <p>Scale: ---</p> <p>CONTRACT NO: 60631225C</p>	

ABBREVIATIONS

A	Air
ABV	Above
A/C	Air Conditioning
ACIPC	Architectural Cast In Place Concrete
ACT	Accoustical Ceiling Tile
ADA	Americans with Disabilities Act
ADDNL	Additional
ADJ	Adjustable
ADO	Automatic door opener
AFF	Above Finished Floor
AGG	Aggregate
ALT	Alternate
ALUM	Aluminum
AP	Access Panel
APPROX	Approximately
ARCH	Architectural
AS	Adjustable Shelf
ASF	Actual Square Footage
AV	Audio Visual
A/V	Audio Visual
BAS	Building Automated System
BC	Bottom of Curb
BCO	Brick Course
BD	Board
BDD	Back Draft Damper
BIT	Bituminous
BLDG	Building
BLK	Block
BLKG	Blocking
BLW	Below Countertop at Knee Space
BM	Beam
BO	Bottom of
BOC	Bottom of Concrete
BOL	Bollard
BOT	Bottom
BOW	Bottom of Wall
BR	Bracket
BRKT	Bracket
BSC	Bio Safety Cabinet
BUR	Built Up Roofing

C	Cold
CAB	Cabinet(s)
CABO	Council of American Building Officials
CB	Catch Basin
CEM	Cement
CFCI	Contractor Furnished & Contractor Installed
CG	Corner Guard
CHB	Chalkboard
CHEM	Chemical
CI	Cast Iron
CIP	Cast-in-Place
CJ	Control Joint
CLG	Ceiling
CLM	Centerline of Mullion
CLR	Clear(ance)
CL	Closet
CMU	Concrete Masonry Unit
CO	Convenience Outlet Receptacle
COL	Column
COMM	Command
COMP	Compressible
COMPOUND	Compounding
CONC	Concrete
CONF	Conference
CONST	Construction
CONT	Continuous
CORR	Corridor
CR	Card Reader
CRP	Card Reader Prep
CS	Cupsink
CT	Ceramic Tile
CTR	Center
CUH	Cabinet Unit Heater
CW	Cold Water
D	Depth
DB	Drainboard (Interchangeable w/ DR)
DET	Detail
DTL	Detail
DF	Drinking Fountain

DIA	Diameter
DIF	Diffuser
DIM	Dimension
DN	Down
DP	Dirty Power
DS	Downspout
DR	Door
DW	Dishwasher
DWG	Drawing
E	Emergency
EJ	Expansion Joint
EL	Elevation (Topographical)
ELEC	Electric(al)
ELEV	Elevator
EMERG	Emergency
ENCL	Enclosure
EO	Edge of
EOS	Edge of Slab
EP	Electrical Panel
EQ	Equal
EQUIP	Equipment
ETR	Existing to Remain
ES	Emergency Shower (or) Equipment Space
ESV	Emergency Shower Valve
EW	Emergency Eye Wash
EW C	Electric Water Cooler
EXH	Exhaust
EXP	Expansion
EXP D	Exposed
EXT	Exterior
EX/EXIS	Existing
EXIST	Existing
FBP	Future Bid Pack
FCO	Floor Clean Out
FD	Floor Drain
FDN	Foundation
FE	Fire Extinguisher

G003		ABBREVIATIONS	60631225P							
BUS RAPID TRANSIT		CITY OF MADISON, DANE COUNTY, WI								
CITY OF MADISON		CONTRACT NO: 60631225C								
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		Designed By:	Date: 2022-03-08	Scale: ---						

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	Mosiac
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

60631225P


CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

ABBREVIATIONS

BUS RAPID TRANSIT

CITY OF MADISON



G004

REVISION

Date: 2022-03-08

MARK

DESIGNED BY:

DATE

BY


SCALE: ---

ABRV. CONT.

PCWS	Process Chilled Water Supply
PCWR	Process Chilled Water Return
PE	Point Exhaust
PGL	Plate Glass
PH	Penthouse
PHR	Penthouse Roof
(1)PH	Single Phase
(3)PH	Three Phase
PL	Plate
PLAM	Plastic Laminate
PLAS	Plaster
PLWD	Plywood
PNL	Panel
PP	Pumping Port
PRS	Pressure Reducing Station
PS	Projection Screen
PTD	Paint(ed)
PT	Point
PT	Pressure Treated
PTN	Partition
PTT	Pedestrian Traffic Topping
PVC	Poly Vinyl Chloride
QT	Quarry Tile
QTY	Quantity
R	Radius (or) Riser
RA	Return Air
RCP	RCP -
RD	Roof Drain
RECV	Receiving
REF	Refrigerator
REFRIG	Refrigerator
REG	Register
REINF	Reinforcing
REQD	Required
REV	Revision/Reverse
R/F	Ref. or Freezer (by owner)
RM	Room
RMS	Rooms
RO	
	Rough Opening (or) Reverse Osmosis
RWL	Rain Water Leader

S	Sink
SC	Solid Core
SD	Shading Device
SECT	Section
SEC	Security
SH	Shelf
SHT	Sheet
SIM	Similar
SMRF	Seamless Mechanical Room Floor
SPEC	Specifications
SQ	Square
STD	Standard (or) Stud
SS	Stainless Steel
SSM	Solid Surface Material
STL	Steel
STN	Stainless
STR	Structural
STRUCT	Structural
STOR	Storage
SURG	Surgical
SUSP	Suspended
SV	Special Vacuum
T	Tread
TB	Tackboard
TC	Top of Curb
TD	Trench Drain
TEL	Telephone
TEMP	Tempered (or) Temporary
TG	Tempered Glass
THK	Thick (or) Thickness
TMV	Thermostatic Mixing Valve
TO	Top of
TOC	Top of Concrete
TOF	Top of Footing
TOP	Top of Parapet
TOR	Top of Rail
TOS	Top of Steel
TOT	Top of Tunnel
TOW	Top of Wall
TRANS	Transformer
TS	Tube Steel
TYP	Typical

UC	Under Counter
UL	Underwriters Laboratory
U.O.N.	Unless Otherwise Noted
U.N.O.	Unless Noted Otherwise
V	Vacuum
VAC	Vacuum
VCT	Vinyl Composition Tile
VERT	Vertical
VIF	Verify in Field
VIN	Vinyl
W/	With
WC	Water Closet
WD	Wood
WF	Steel Beam (Wide Flange)
WG	Wall Guard
WMS	Wire Mesh Screen
WMN	Women
WP	Working Point
WPR	Waterproofing
W/O	Without
WWF	Welded Wire Fabric
WS(-#)	Window Shade (and type)- see "Shades and Blinds Designations/Notes" legend
WT	Weight
XPS	Exposed

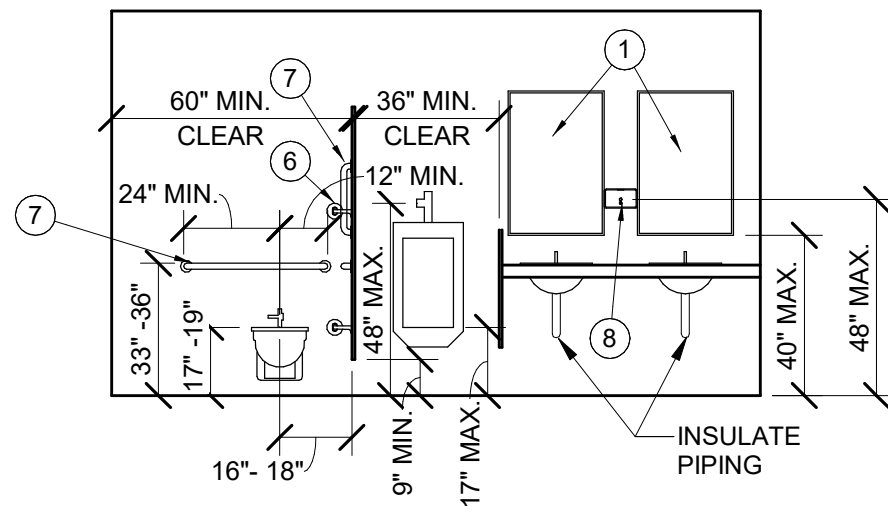
G005		ABBREVIATIONS	60631225P				MARK	REVISION	DATE	BY
		BUS RAPID TRANSIT	CITY OF MADISON, DANE COUNTY, WI							
		CITY OF MADISON	CONTRACT NO: 60631225C							

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

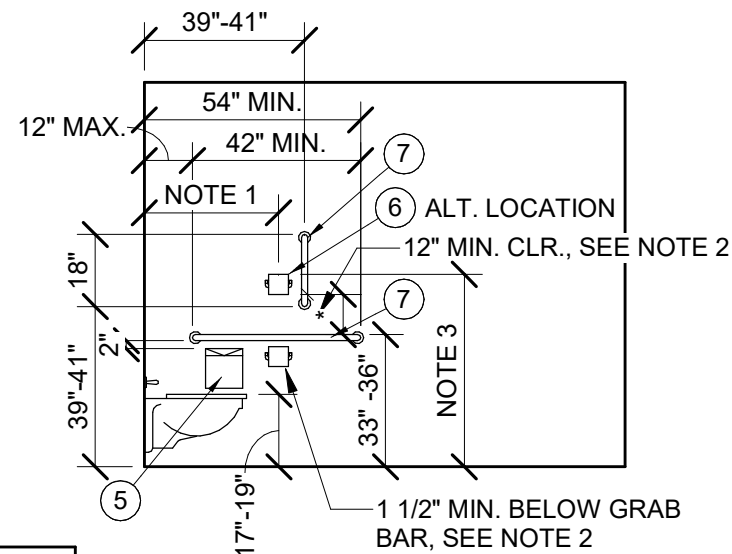
1. NOT ALL ITEMS IN LEGEND MAY BE USED.
2. ALL TOILET ACCESSORIES ARE TO BE CFCI, UNO.

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.

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.

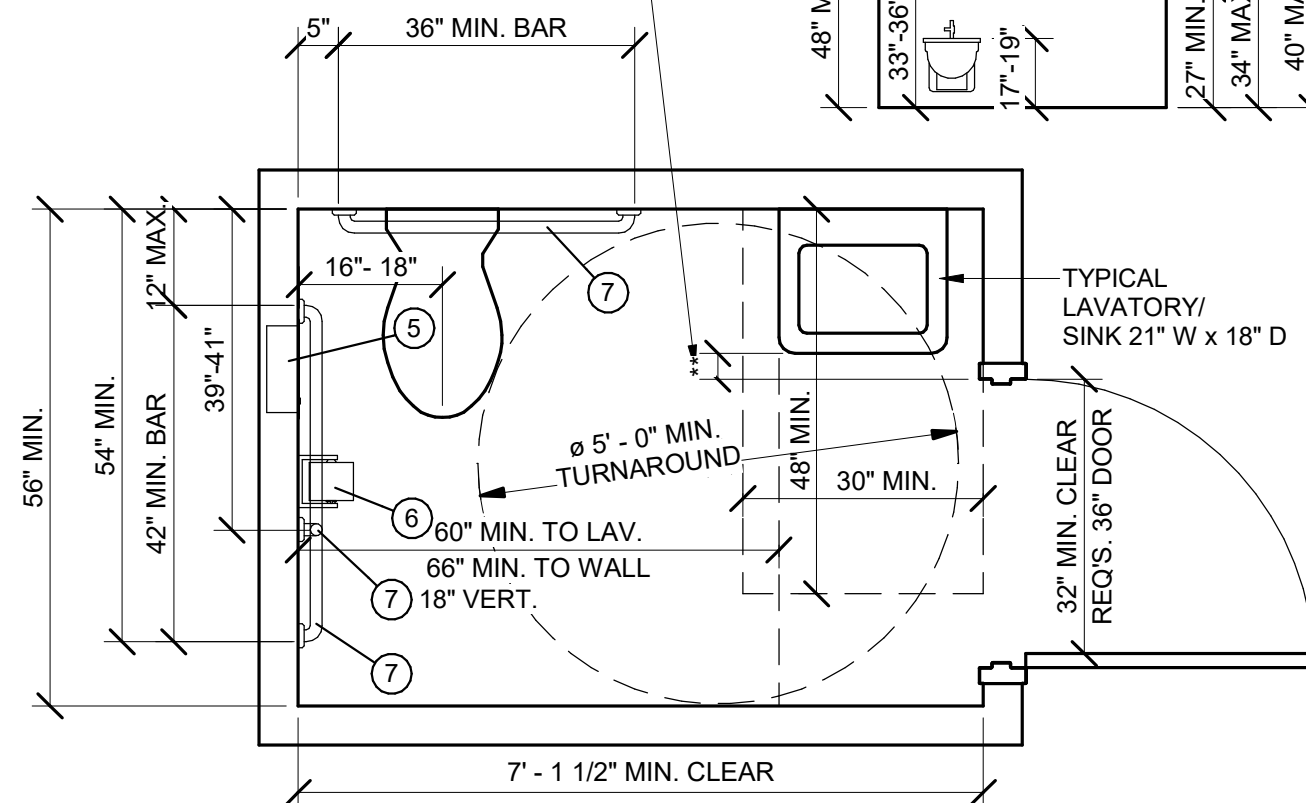


NOT TO SCALE



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



(REFER TO PLANS FOR ACTUAL ROOM LAYOUT)

NOT TO SCALE

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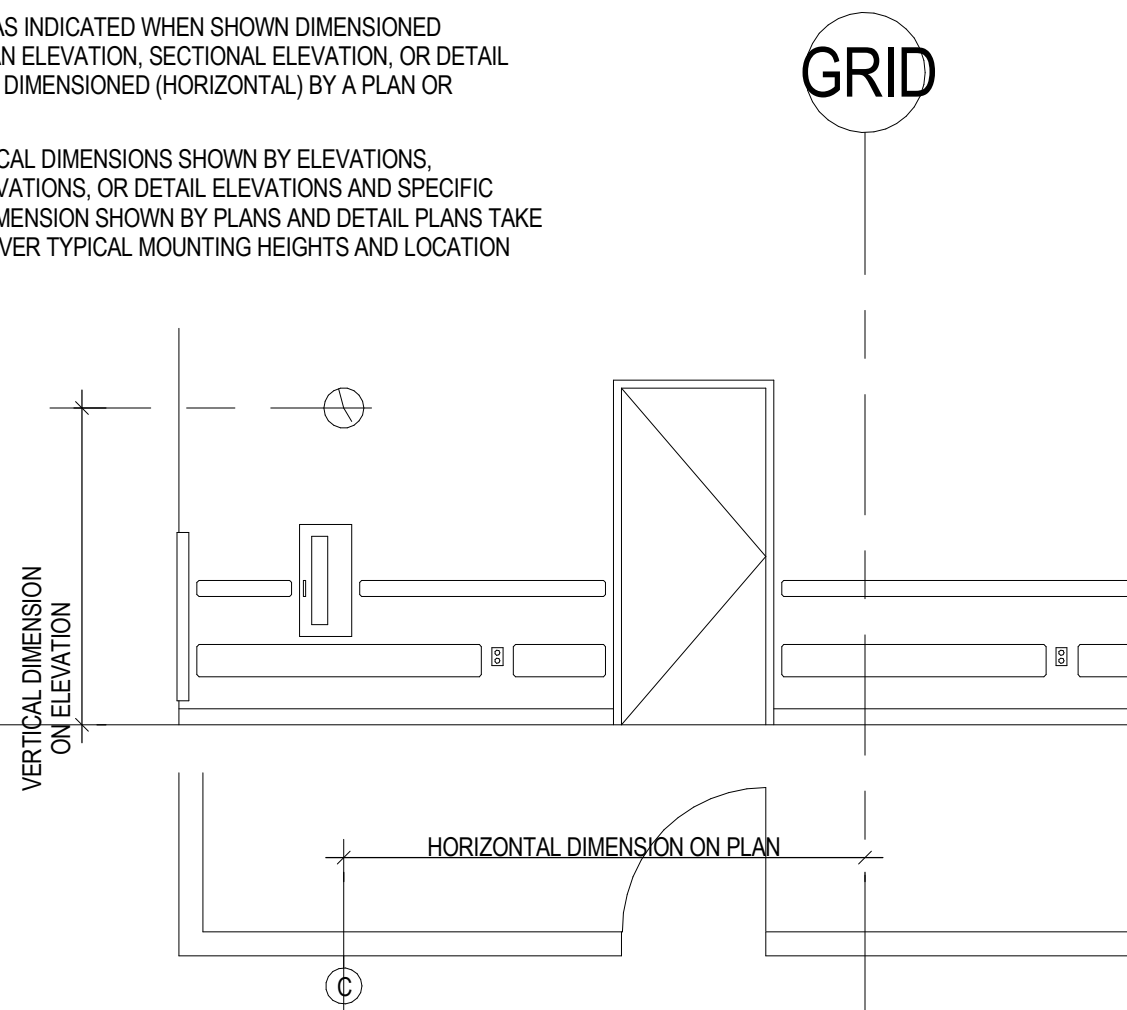
CITY OF MADISON, DANE COUNTY, WI

IDA - BF STANDARDS
BUS RAPID TRANSIT
CITY OF MADISON



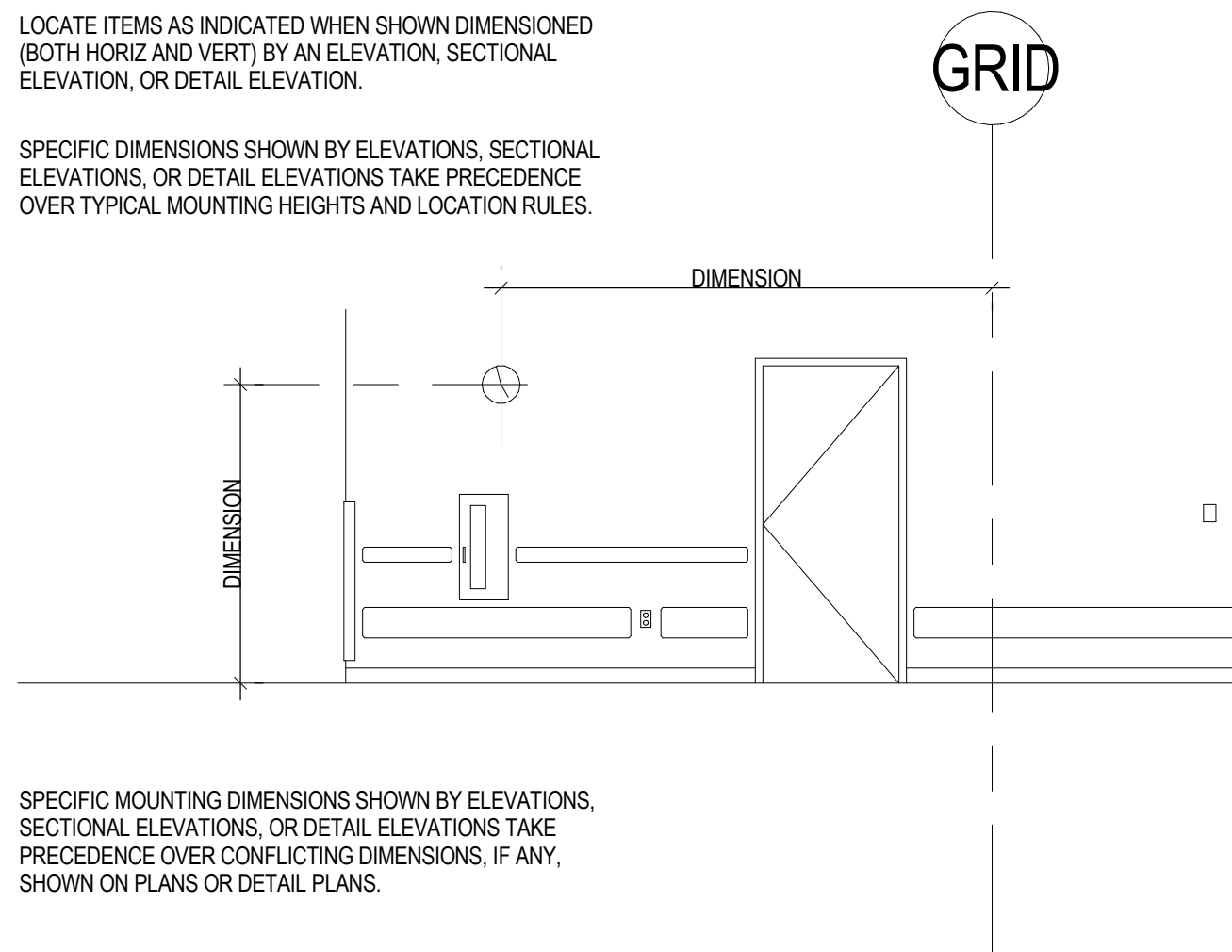
G007	
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SPECIFIC VERTICAL DIMENSIONS SHOWN BY ELEVATIONS, SECTIONAL ELEVATIONS, OR DETAIL ELEVATIONS AND SPECIFIC HORIZONTAL DIMENSION SHOWN BY PLANS AND DETAIL PLANS TAKE PRECEDENCE OVER TYPICAL MOUNTING HEIGHTS AND LOCATION RULES.



WHEN COMPLETELY DIMENSIONED BY COMBINATION OF PLAN AND ELEVATION

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



WHEN COMPLETELY DIMENSIONED IN ELEVATION



TYPICAL RULES FOR MOUNTING HEIGHTS & LOCATION RULES

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CITY OF MADISON

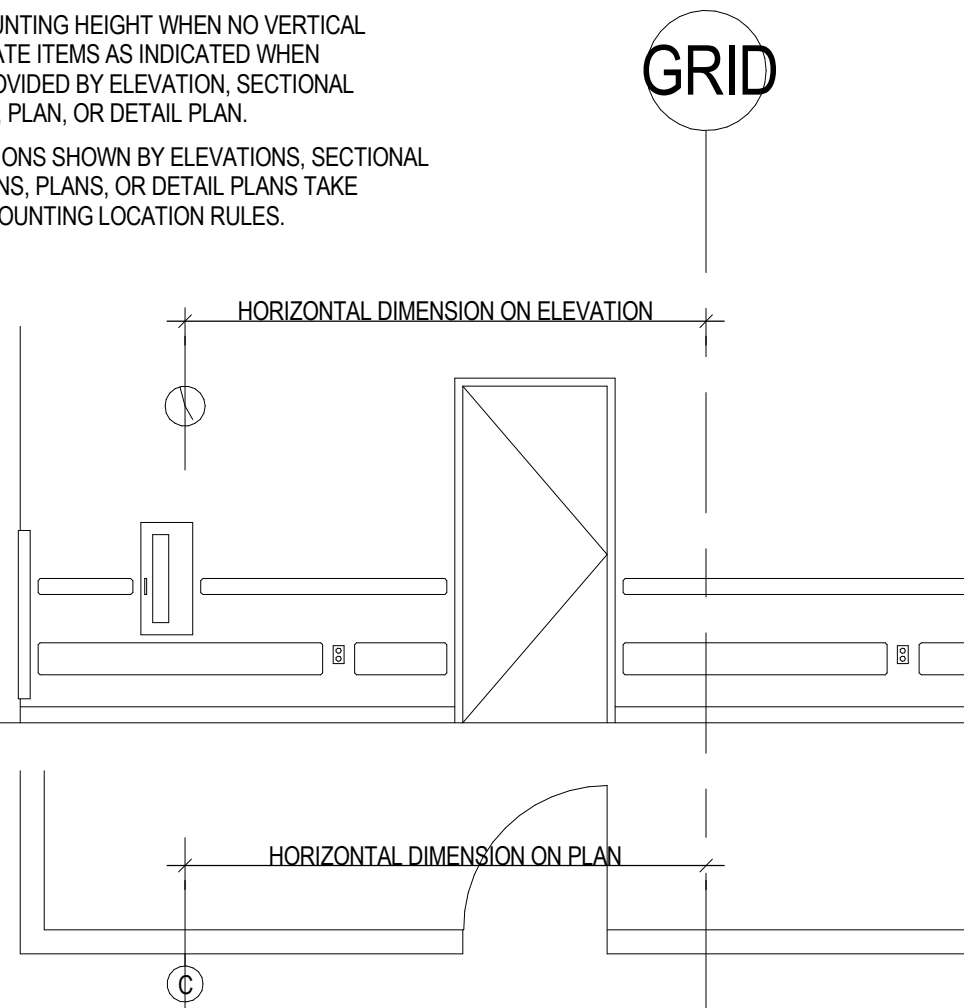
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CITY OF MADISON, DANE COUNTY, WI

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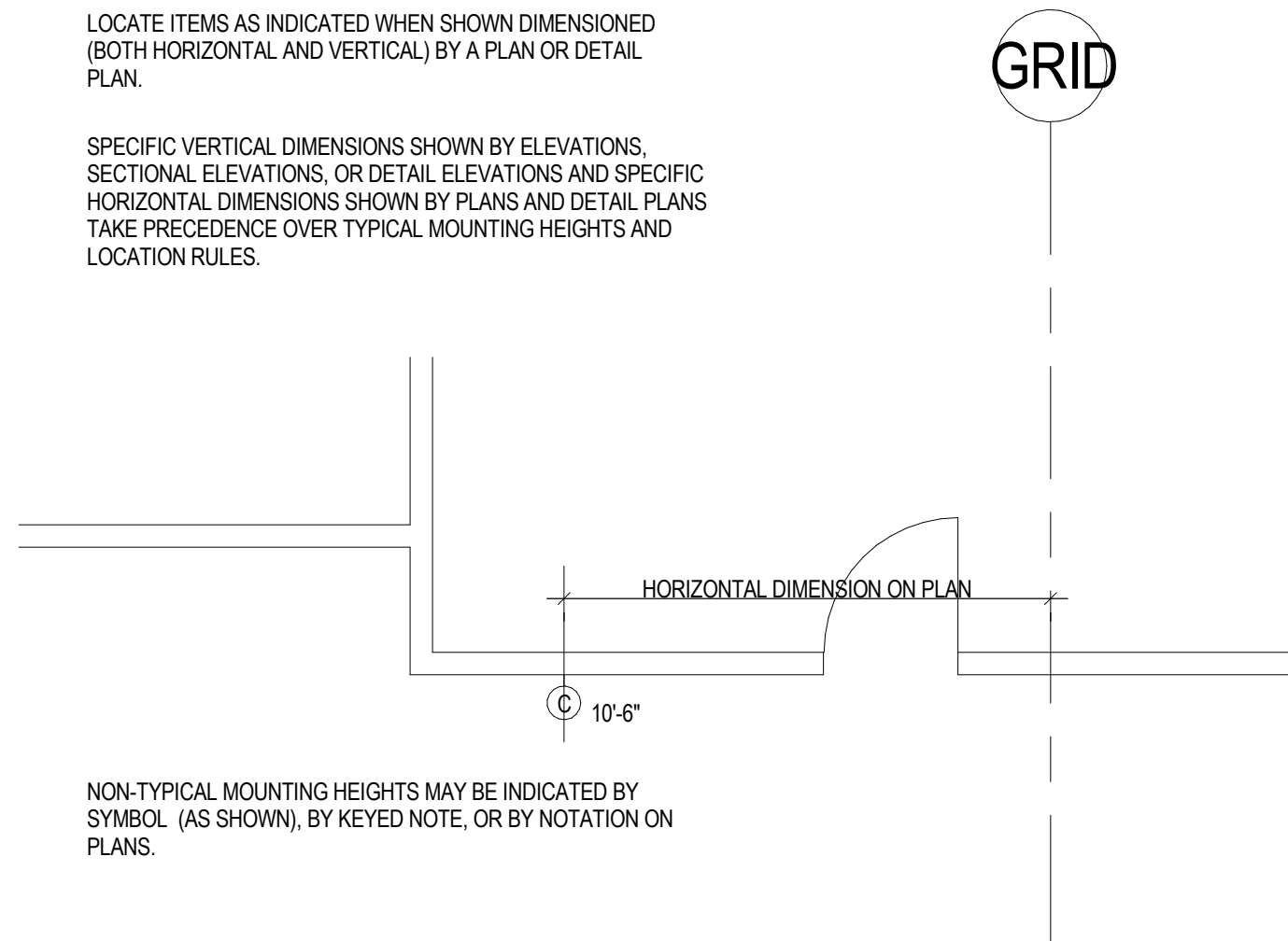
SPECIFIC HORIZONTAL DIMENSIONS SHOWN BY ELEVATIONS, SECTIONAL ELEVATIONS, DETAIL ELEVATIONS, PLANS, OR DETAIL PLANS TAKE PRECEDENCE OVER TYPICAL MOUNTING LOCATION RULES.



RULE 4

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

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



G009

TYPICAL RULES FOR MOUNTING HEIGHTS & LOCATION RULES

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CITY OF MADISON

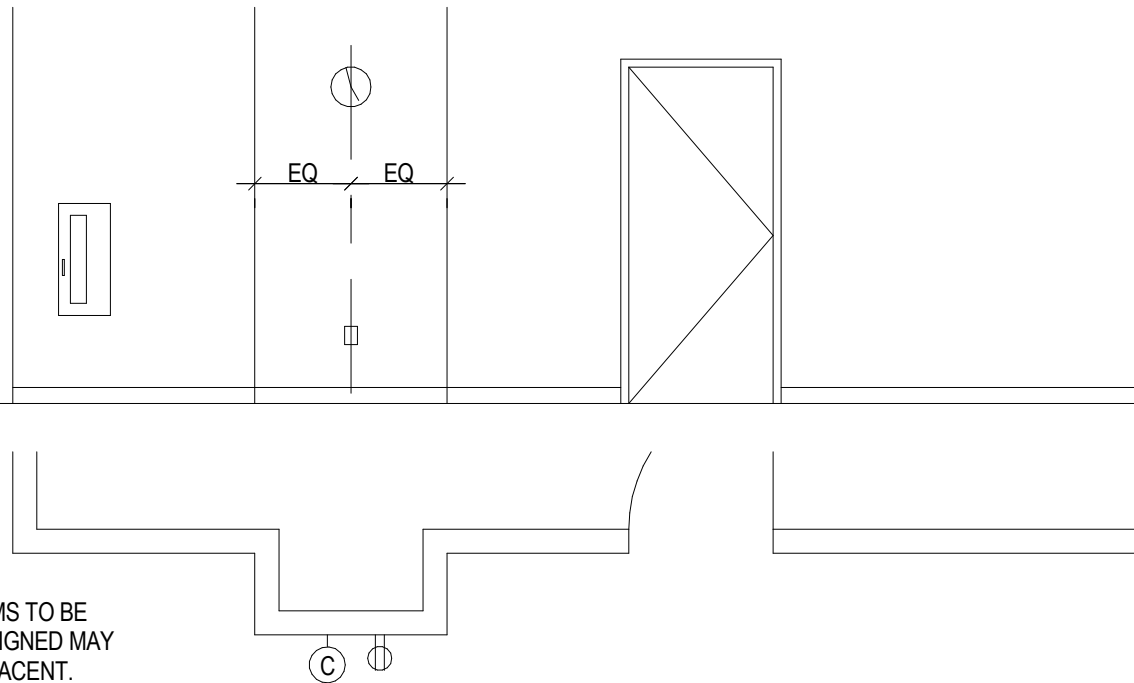
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CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

[illegible]

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).



NOT DIMENSIONED AND LOCATED ON COLUMN OR PILASTER

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

A floor plan of a room. On the left wall is a door with a handle. On the right wall is a window with a handle. In the center of the room is a small table with two chairs. A large circle is drawn around the door area, and a line points from the top of the page to it. A dashed line runs vertically through the room, and a solid line runs horizontally through the room.

WHEN NO DIMENSIONS ARE PROVIDED IN PLANS OR ELEVATIONS

GRID

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TYPICAL RULES FOR MOUNTING HEIGHTS & LOCATION RULES

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CITY OF MADISON

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

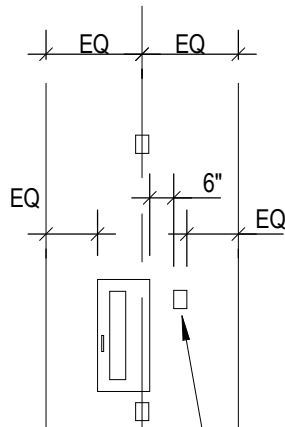
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G010

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

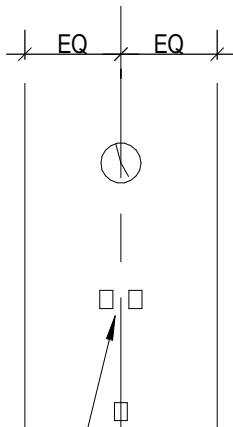
RULE 8

NOT DIMENSIONED AND LOCATED ON COLUMN OR PILASTER



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



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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

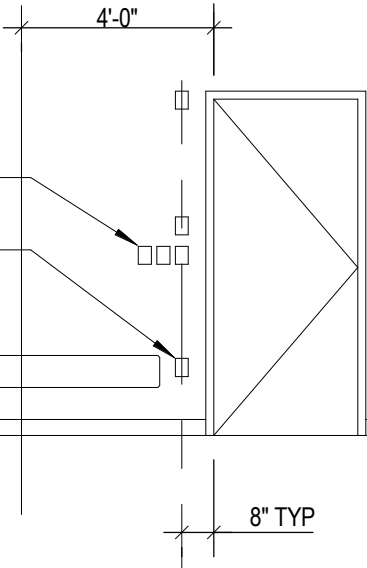
SIMILAR RULE APPLIES WHEN ADJACENT TO WINDOW.

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



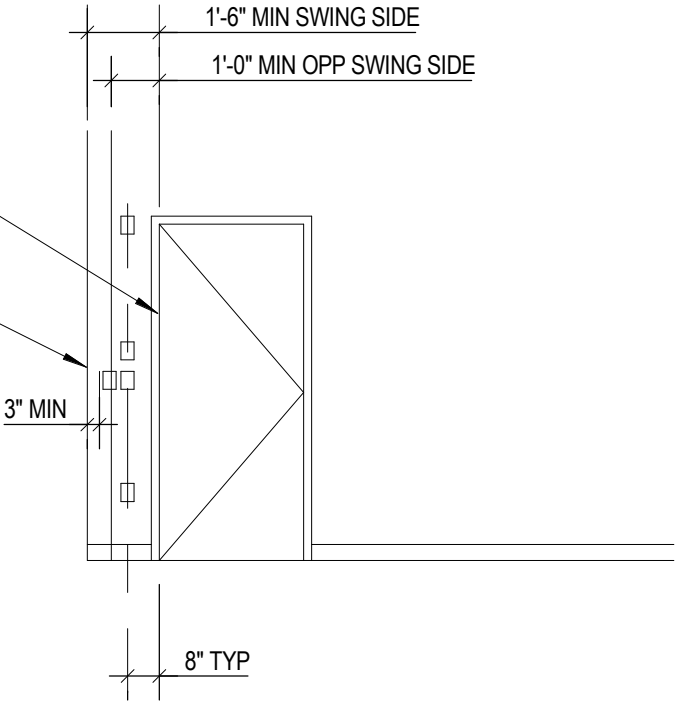
WHEN NOT DIMENSIONED AND SHOWN LOCATED ADJACENT TO STRIKE SIDE OF DOOR, AND WHEN STRIKE-SIDE CLEARANCE IS BETWEEN 12 INCHES AND 18 INCHES, AND WHEN NO OTHER TYPICAL CONFIGURATION DIAGRAM APPLIES: MOUNT ITEMS IN RELATION TO FRAME USING TYPICAL OFFSET DIMENSION. VERTICALLY ALIGN CENTERS OF ITEMS MOUNTED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

STRIKE SIDE OF DOOR
LINE OF WALL OR OTHER RESTRICTION ON STRIKE-SIDE OF DOOR

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.

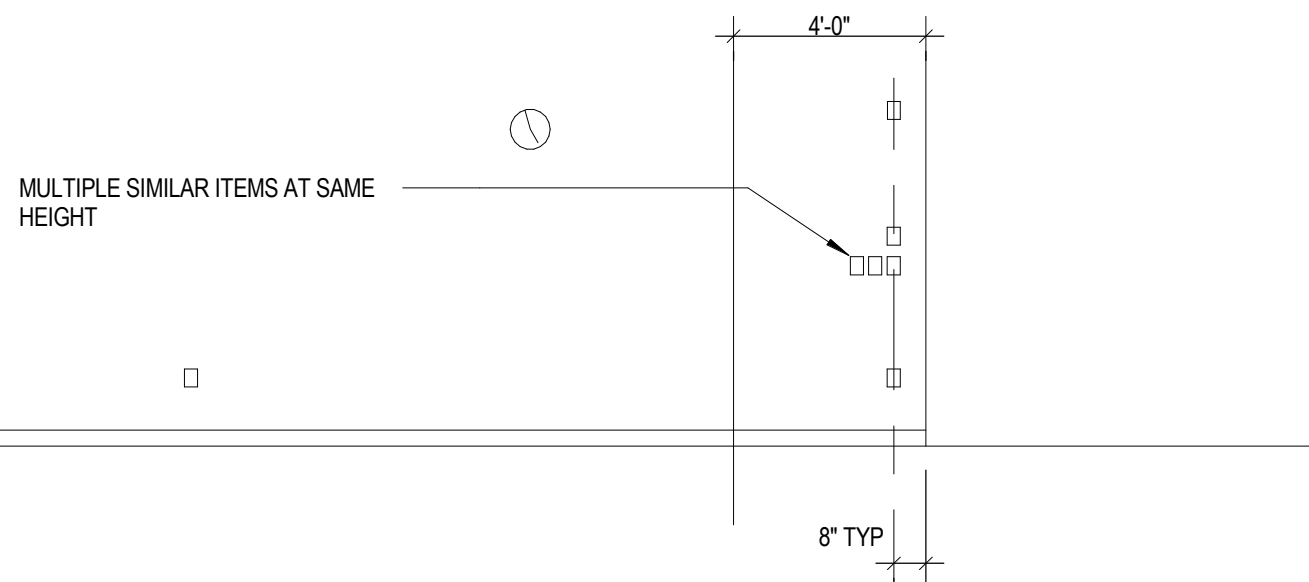
RULE 9

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



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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.

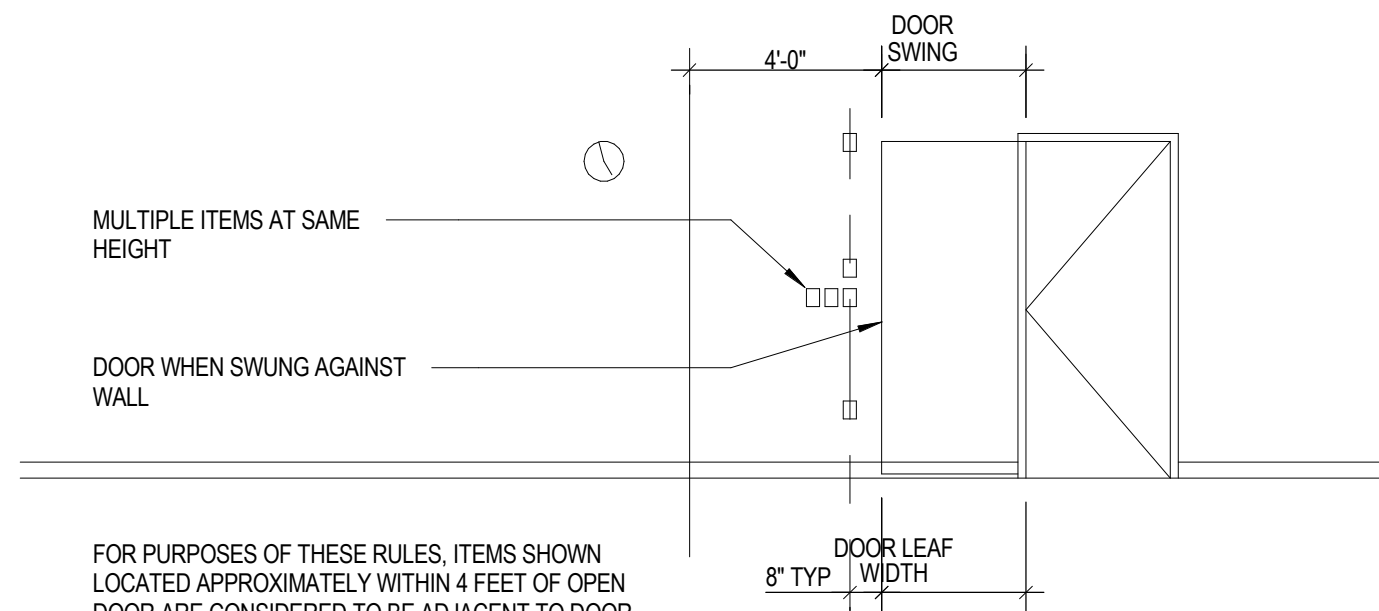


FOR PURPOSES OF THESE RULES, ITEMS SHOWN
LOCATED APPROXIMATELY WITHIN 4 FEET OF PLANE
CHANGE ARE CONSIDERED TO BE ADJACENT TO CHANGE
IN PLANE.

RULE 12

WHEN NOT DIMENSIONED AND LOCATED ADJACENT TO CHANGE IN WALL DIRECTION

WHEN 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.

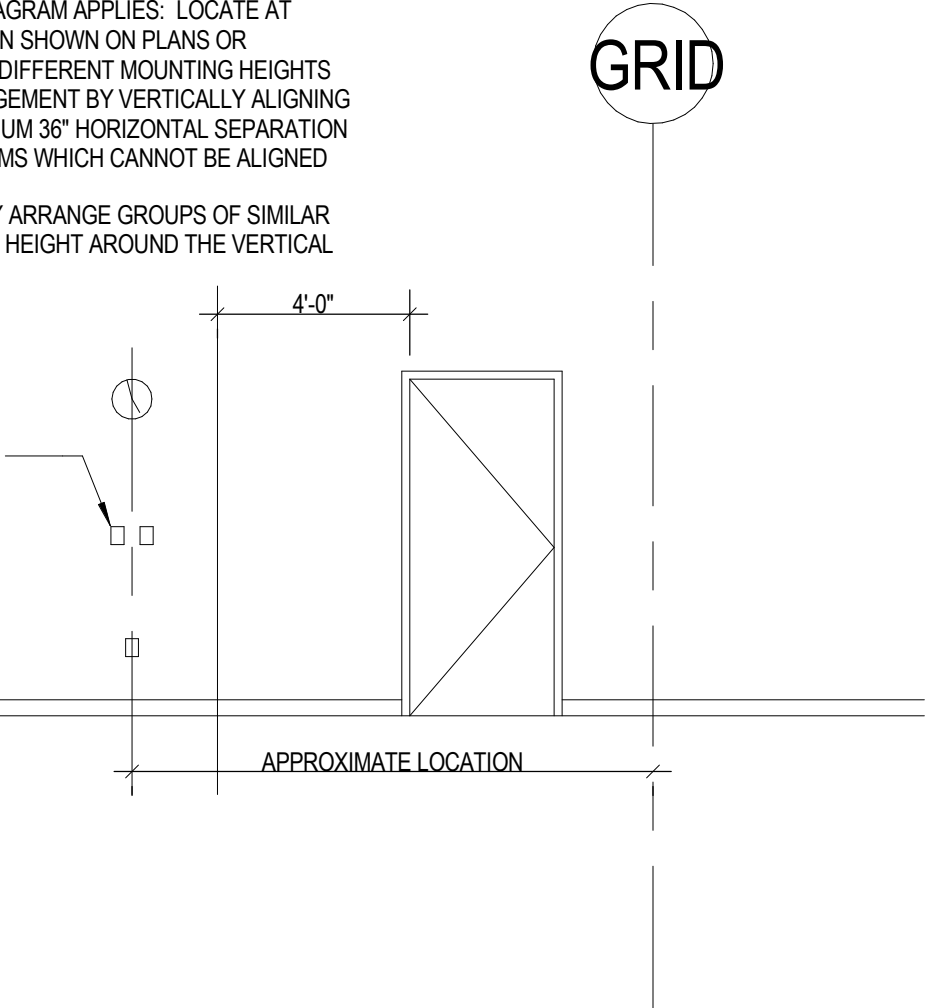
RULE 11

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

G013		TYPICAL RULES FOR MOUNTING HEIGHTS & LOCATION RULES		60631225P	-----	-----	-----	
BUS RAPID TRANSIT		CITY OF MADISON, DANE COUNTY, WI		-----	-----	-----		
CITY OF MADISON				MARK	REVISION	DATE	BY	
				Designed By:	Date: 2022-03-08	Scale: ----		
CONTRACT NO: 60631225C								

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.

ARRANGE SIMILAR ITEMS AT SAME HEIGHT SYMMETRICALLY ABOUT CENTERLINE



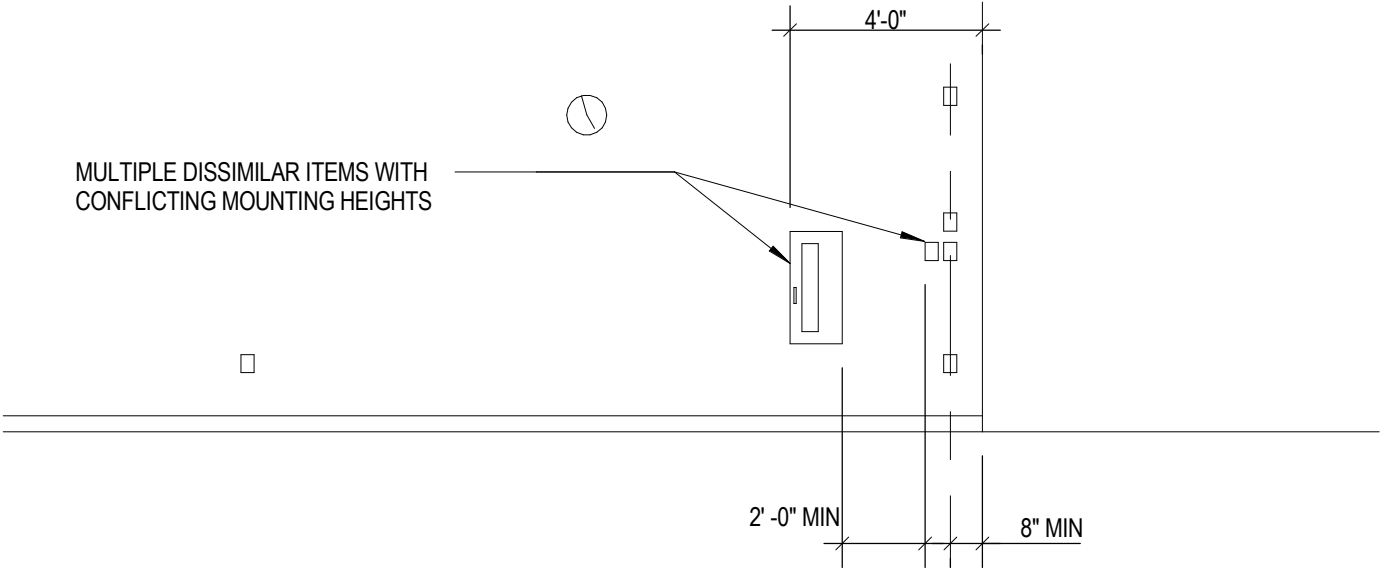
RULE 14

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



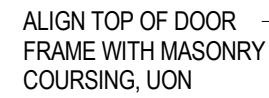
FOR PURPOSES OF THESE RULES, ITEMS SHOWN LOCATED APPROXIMATELY WITHIN 4 FEET OF PLANE CHANGE ARE CONSIDERED TO BE ADJACENT TO CHANGE IN PLANE.

RULE 13

WHEN NOT DIMENSIONED AND LOCATED ADJACENT TO CHANGE IN WALL DIRECTION

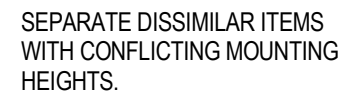


MARK	REVISION	DATE	BY
Designed By:	Date: 2022-03-08	Scale: ---	



RULE 16

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.



RULE 15

NOT DIMENSIONED AND LOCATED ON OPEN WALL

MARK	REVISION	DATE	BY
10-2020-01	10-2020-01	10-2020-01	10-2020-01
10-2020-02	10-2020-02	10-2020-02	10-2020-02
10-2020-03	10-2020-03	10-2020-03	10-2020-03

FINISH MATERIALS...

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 CONTRUCTION
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	GYPSTUM VENEER PLASTER
GYP	GYPSTUM 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

FINISH MATERIALS...

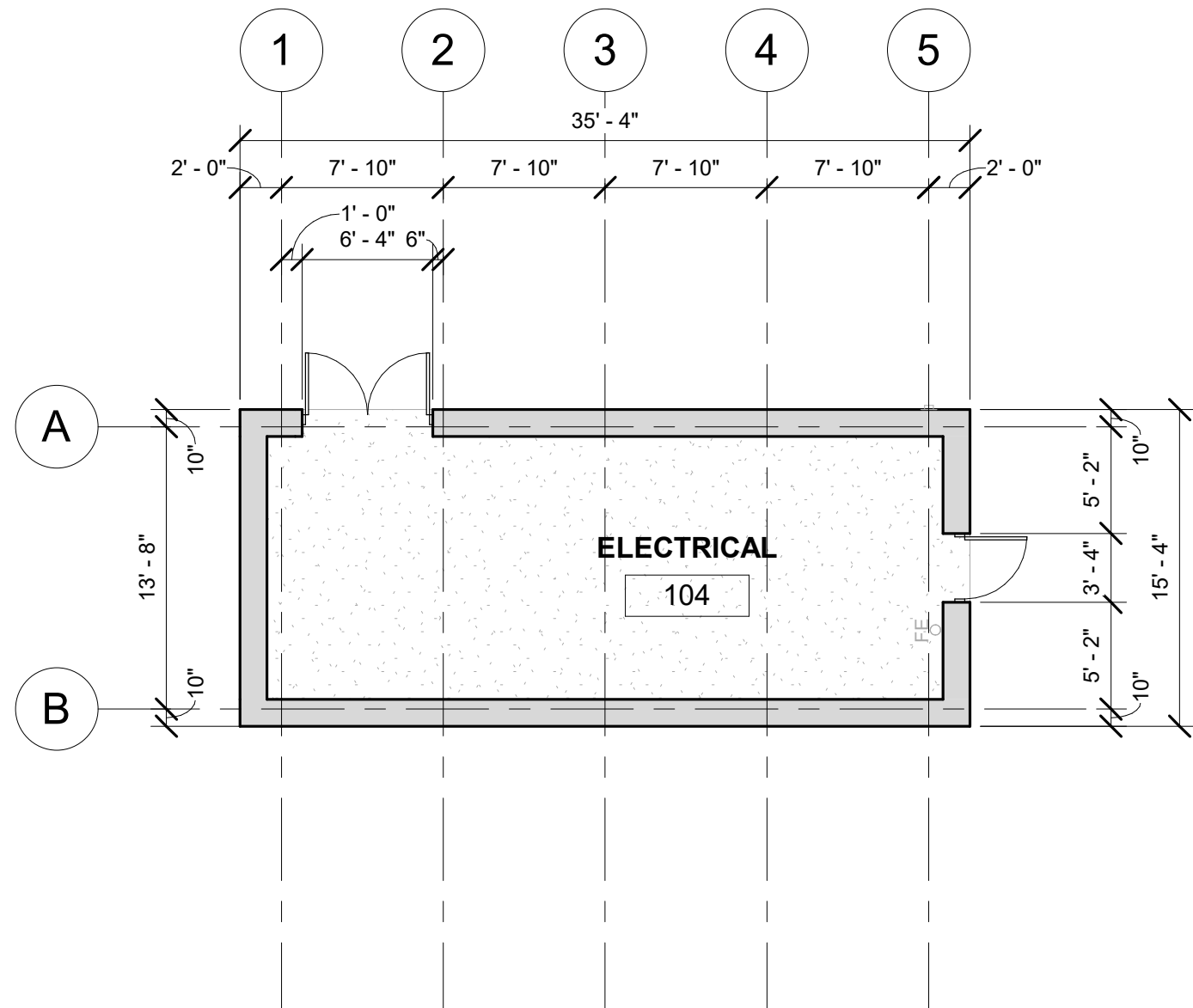
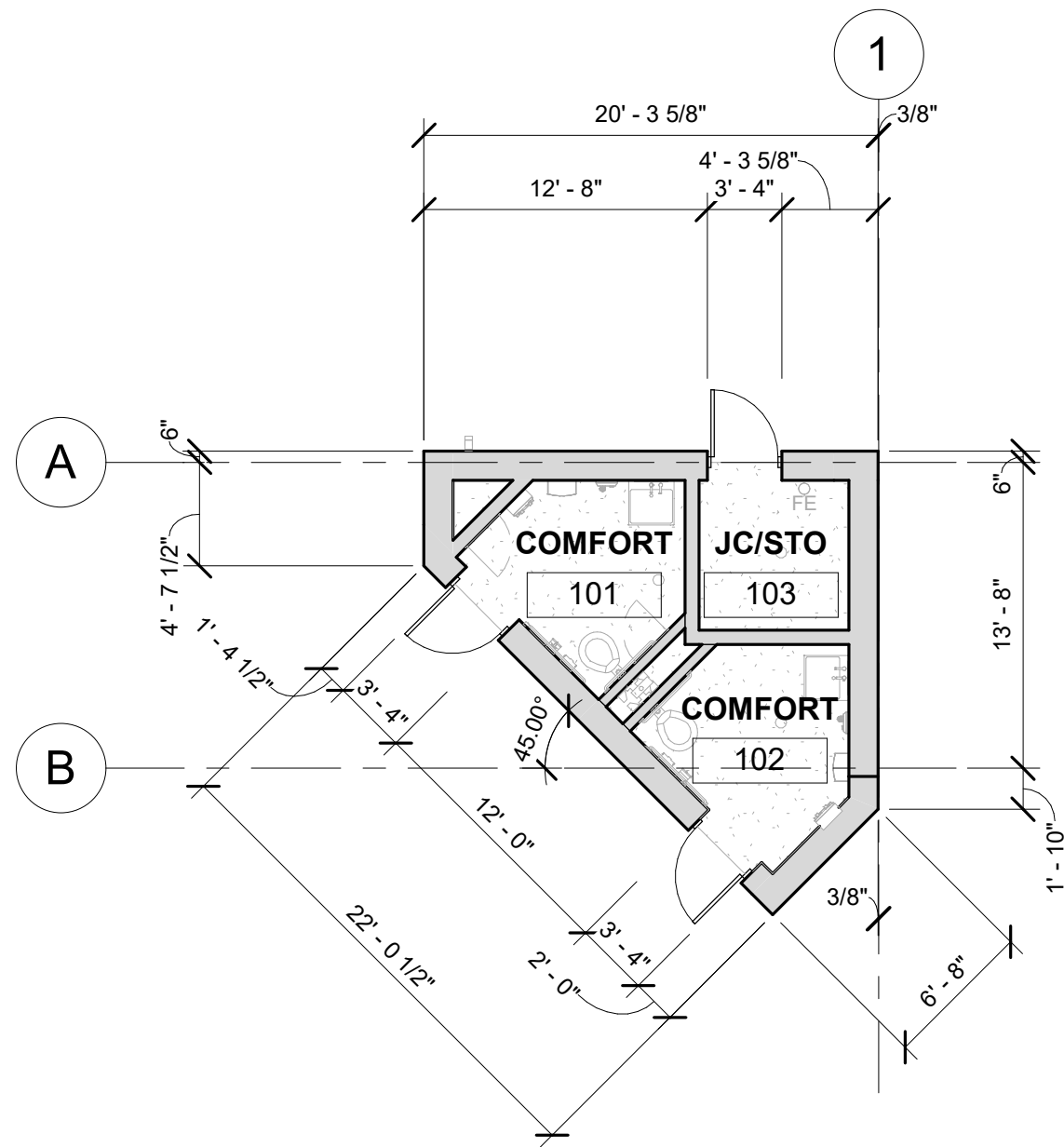
NA	NOT APPLICABLE
NFB	INTERIOR FACE BRICK
NPM	INTERIOR PAINTED METAL
NSF	STONE FLOORING
NSV	STONE VENEER
OPF	OPERABLE PANEL FINISH
PJS	PROJECTION SCREENS
PL	PLASTIC LAMINATE
PLD	PLASTIC LAMINATE DOOR
PT	INTERIOR PAINT
RB	RESILIENT BASE
RS	ROLLER SHADE
RSF	RESILIENT SHEET FLOORING
RTF	RESILIENT TILE FLOORING
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

MARK	REVISION	DATE	BY
10-10-2020	10-10-2020	10-10-2020	10-10-2020
10-10-2020	10-10-2020	10-10-2020	10-10-2020
10-10-2020	10-10-2020	10-10-2020	10-10-2020
10-10-2020	10-10-2020	10-10-2020	10-10-2020



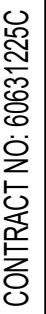
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MARK	REVISION	DATE	BY
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000000	000000	000000	000000
000000	000000	000000	000000



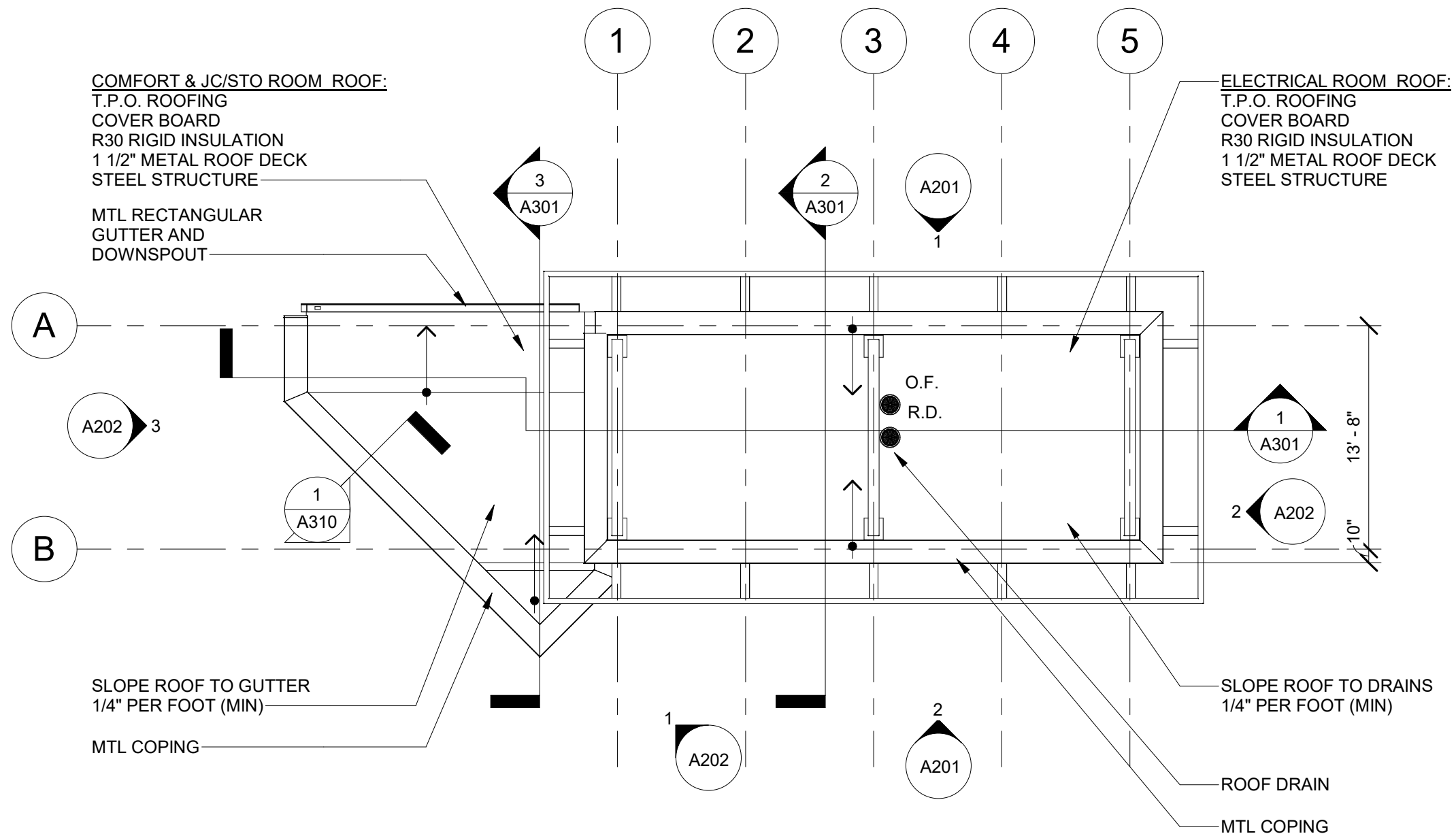


Scale: 1/4" = 1'-0"




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

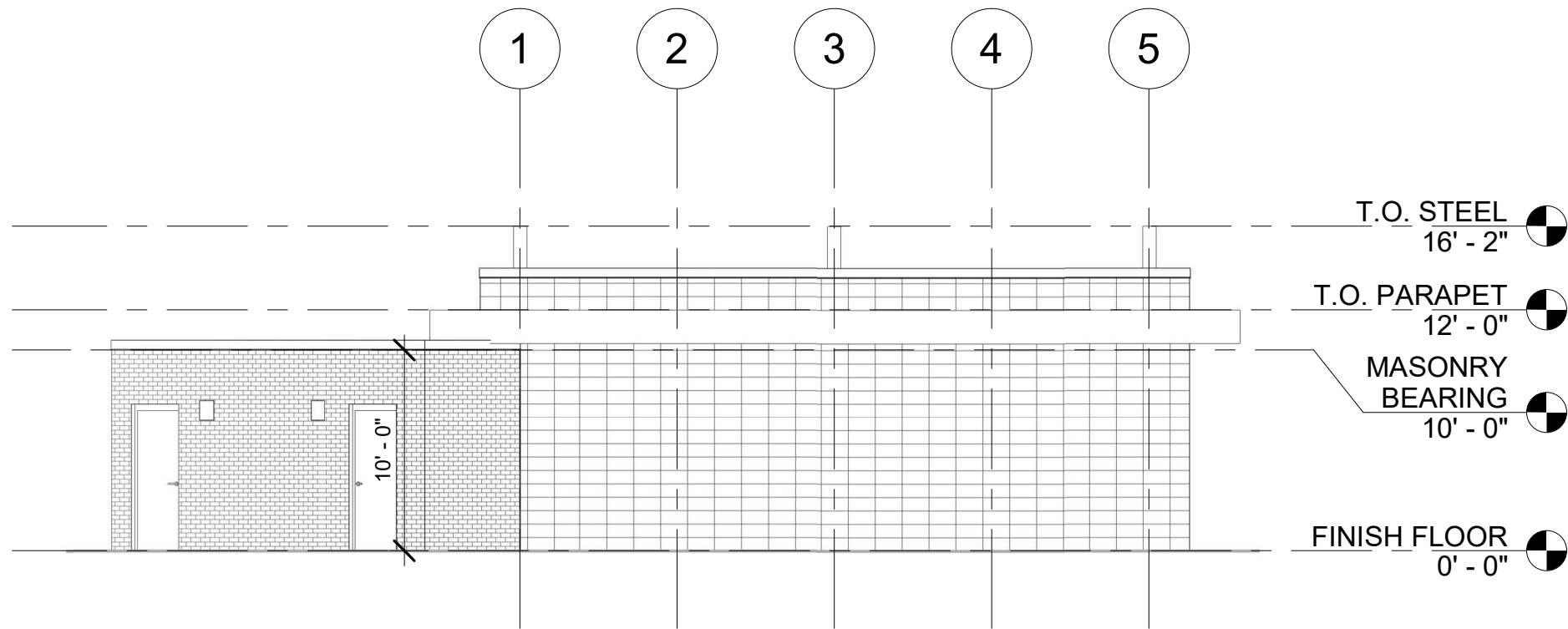
[illegible]



1
A201

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

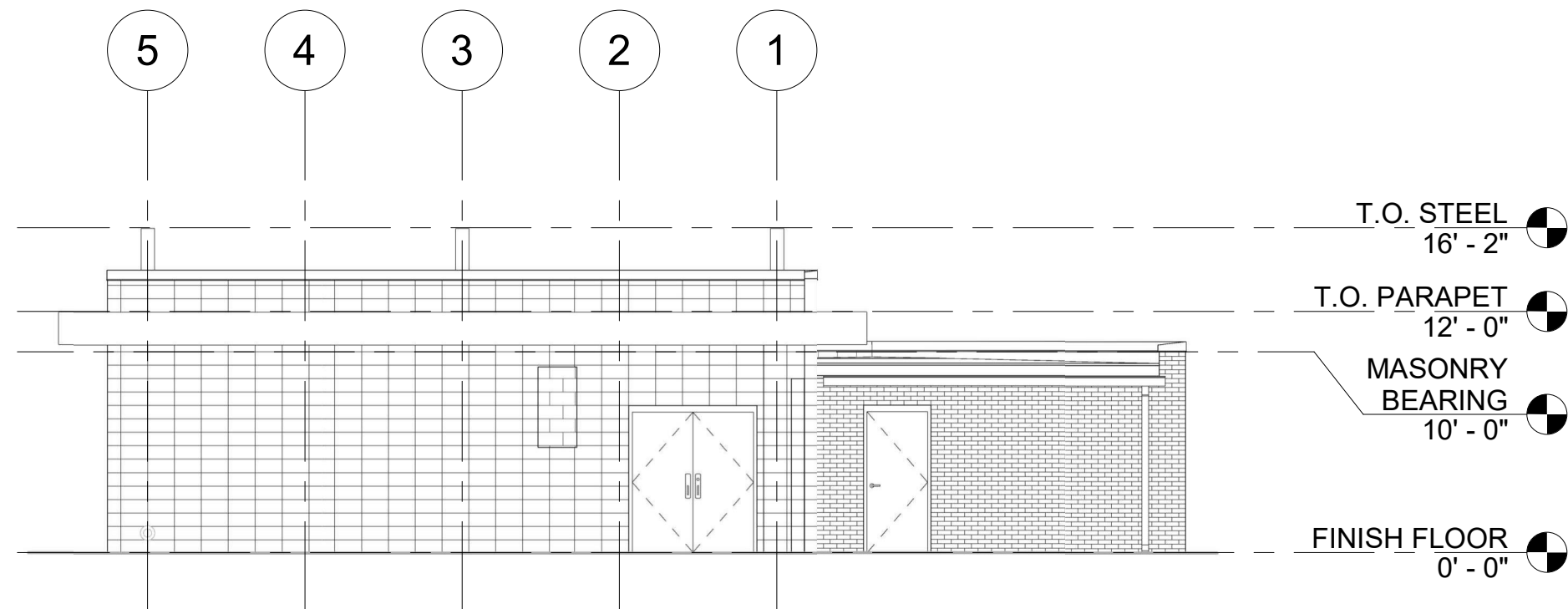
	A102	ROOF PLAN	60631225P			
		BUS RAPID TRANSIT	CITY OF MADISON, DANE COUNTY, WI			
		CITY OF MADISON	CONTRACT NO: 60631225C			
		MARK	REVISION	DATE	BY	
		Designed By:	Date: 2022-03-08	Scale: ---		



2
A001

SOUTH ELEVATION

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



1
A001

NORTH ELEVATION

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

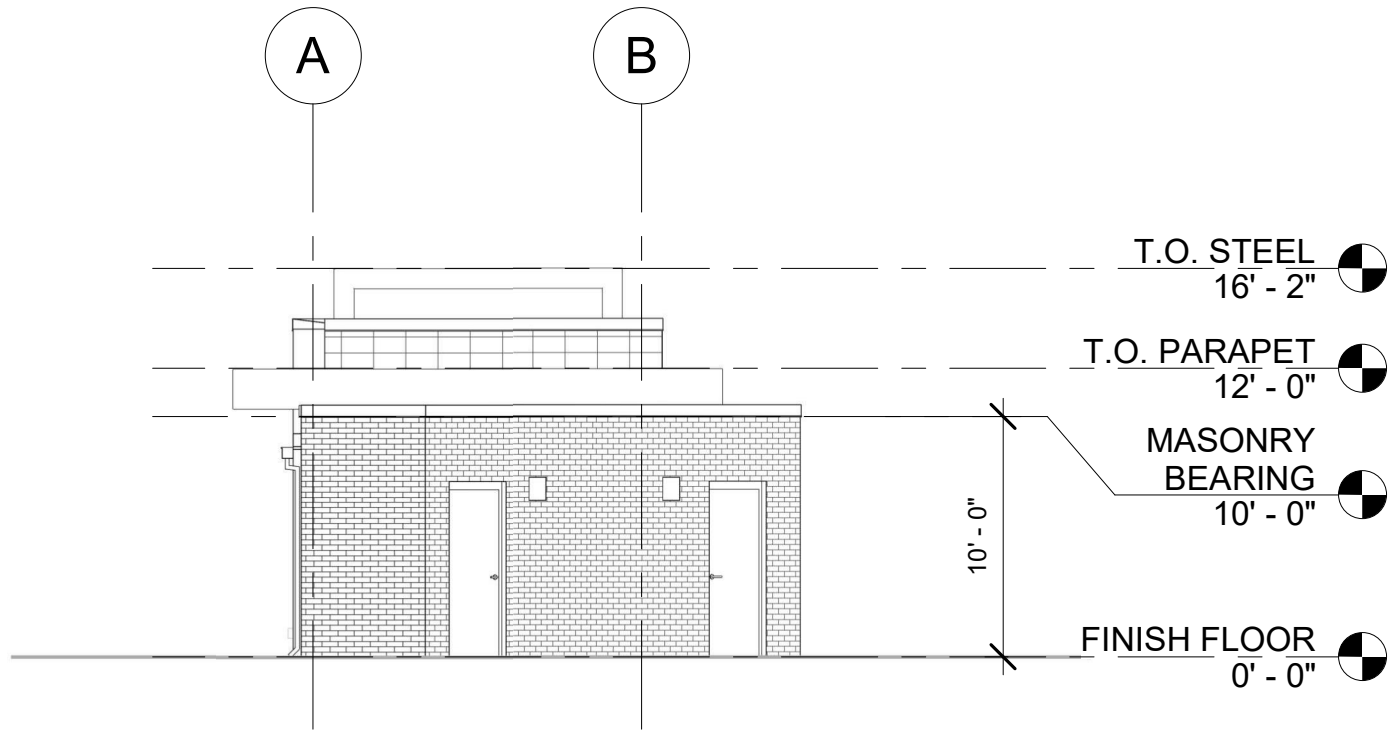


EXTERIOR ELEVATIONS
BUS RAPID TRANSIT
CITY OF MADISON

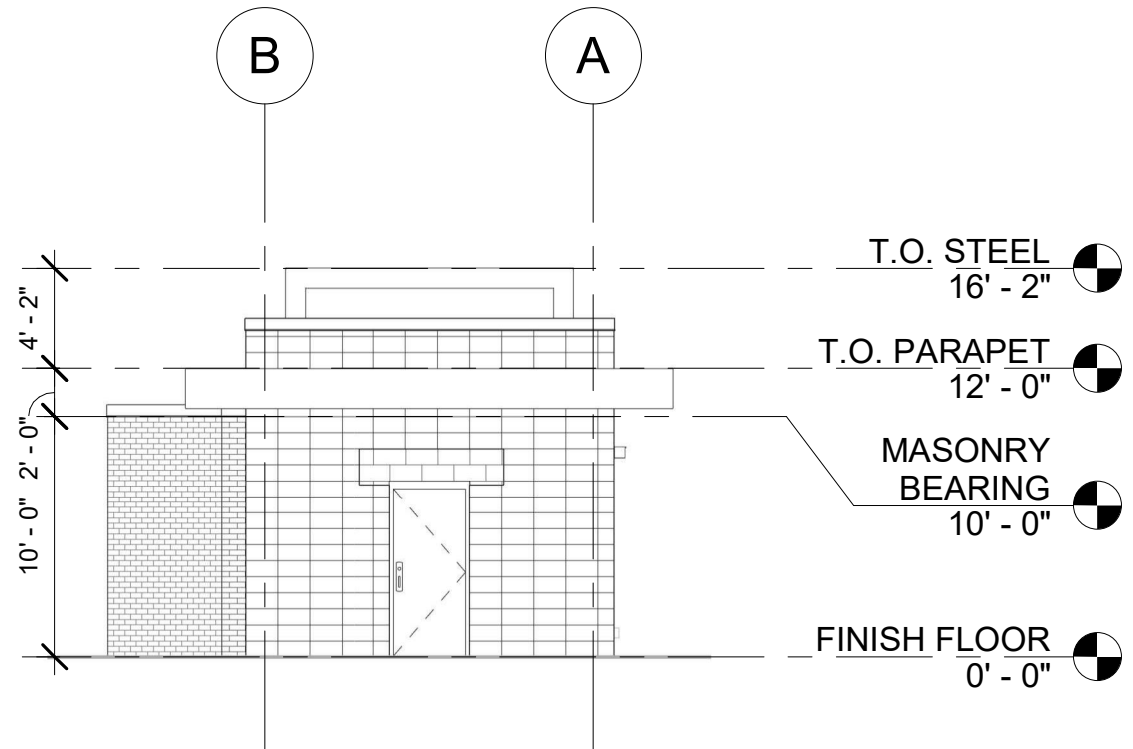
60631225P
CITY OF MADISON, DANE COUNTY, WI
CONTRACT NO: 60631225C

MARK	REVISION	DATE	BY

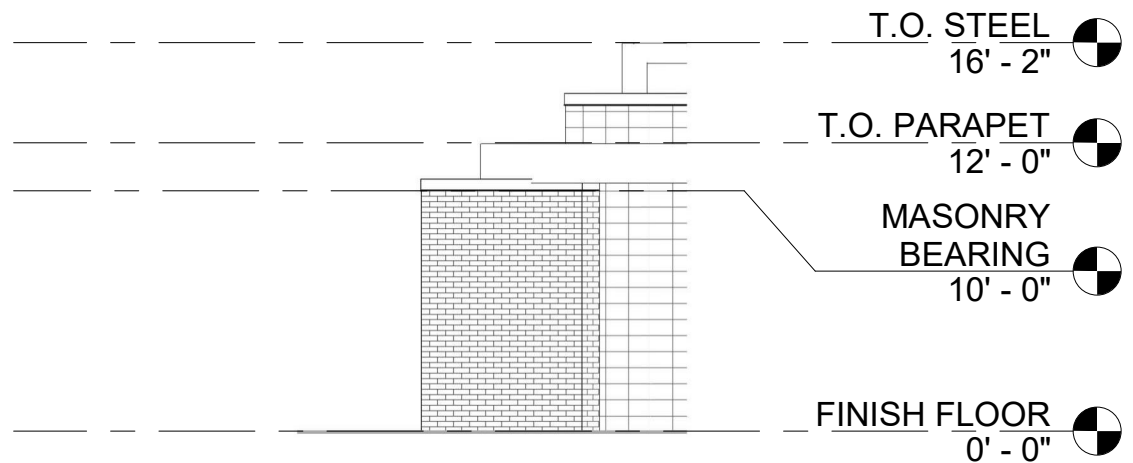
A201



3 | **WEST ELEVATION**
A001 | Scale: 1/8" = 1'-0"



2 | **EAST ELEVATION**
A001 | Scale: 1/8" = 1'-0"



1 | **SOUTHEAST ELEVATION**
A001 | Scale: 1/8" = 1'-0"

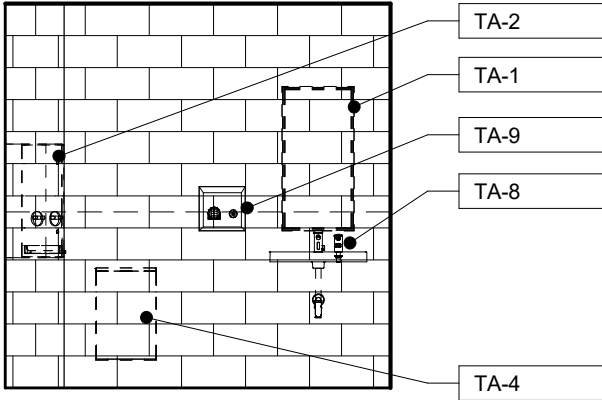
MARK	REVISION	DATE	BY

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

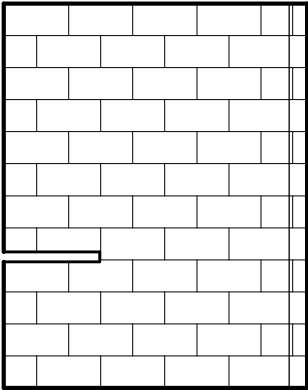
EXTERIOR ELEVATIONS
BUS RAPID TRANSIT
CITY OF MADISON



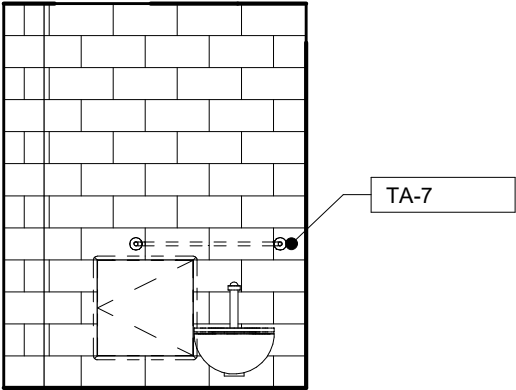
TOILET ACCESSORIES LEGEND		
SYMBOL	DESCRIPTION	COMMENTS
TA-1	Bobrick B-2908 1836 Tempered Glass Welded Frame Mirror	
TA-2	Bobrick B-47069C Contura Series Surface Mounted Free Napkin-Tampon Vendor	
TA-3	Bobrick B-221 Classic Series Surface Mounted Seat Cover Dispenser	
TA-4	Bobrick B-277 Contura Series Surface Mounted Waste Receptacle	
TA-5	TrimLineSeries™ Surface-Mounted Sanitary Napkin Disposal	
TA-6	Bobrick B-2888 Classic Series Surface Mounted Multi-roll Toilet Tissue Dispenser	
TA-7	Grab Bars	
TA-8	Sensor Activated Electronic Soap Dispenser	
TA-9	Hand Dryer	
TA-10	Bobrick B-6727 Surface Mounted Double Robe Hook	



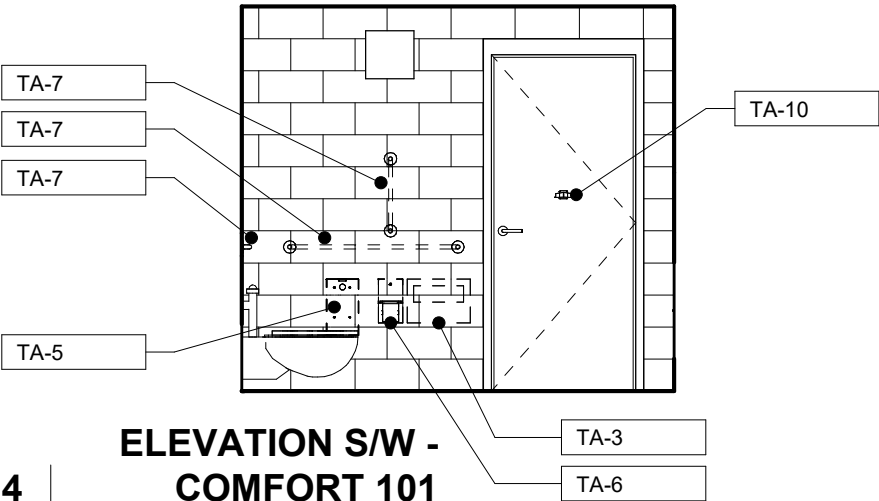
1
A101A | **ELEVATION NORTH - COMFORT 101**
Scale: 1/4" = 1'-0"



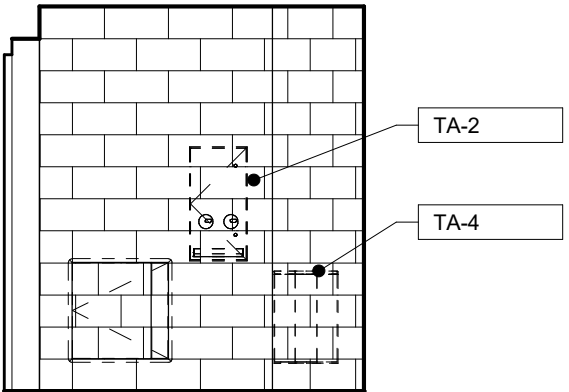
2
A101A | **ELEVATION EAST - COMFORT 101**
Scale: 1/4" = 1'-0"



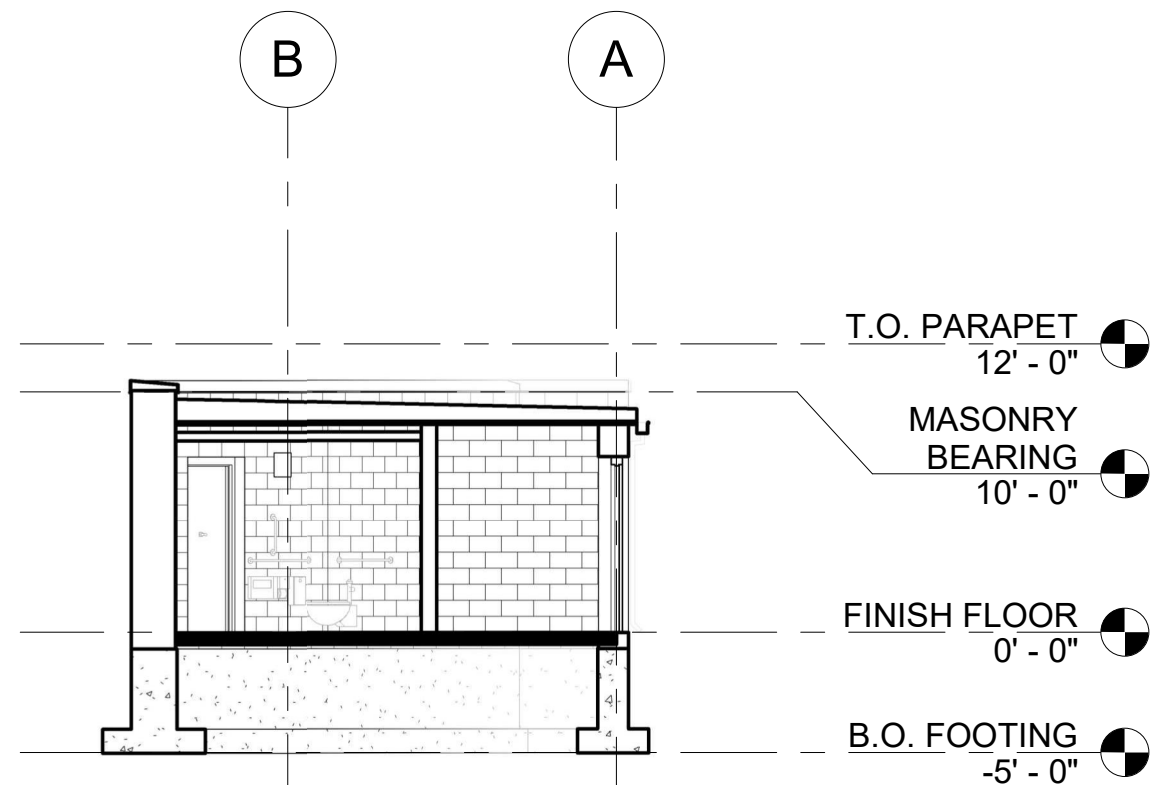
3
A101A | **ELEVATION S/E - COMFORT 101**
Scale: 1/4" = 1'-0"



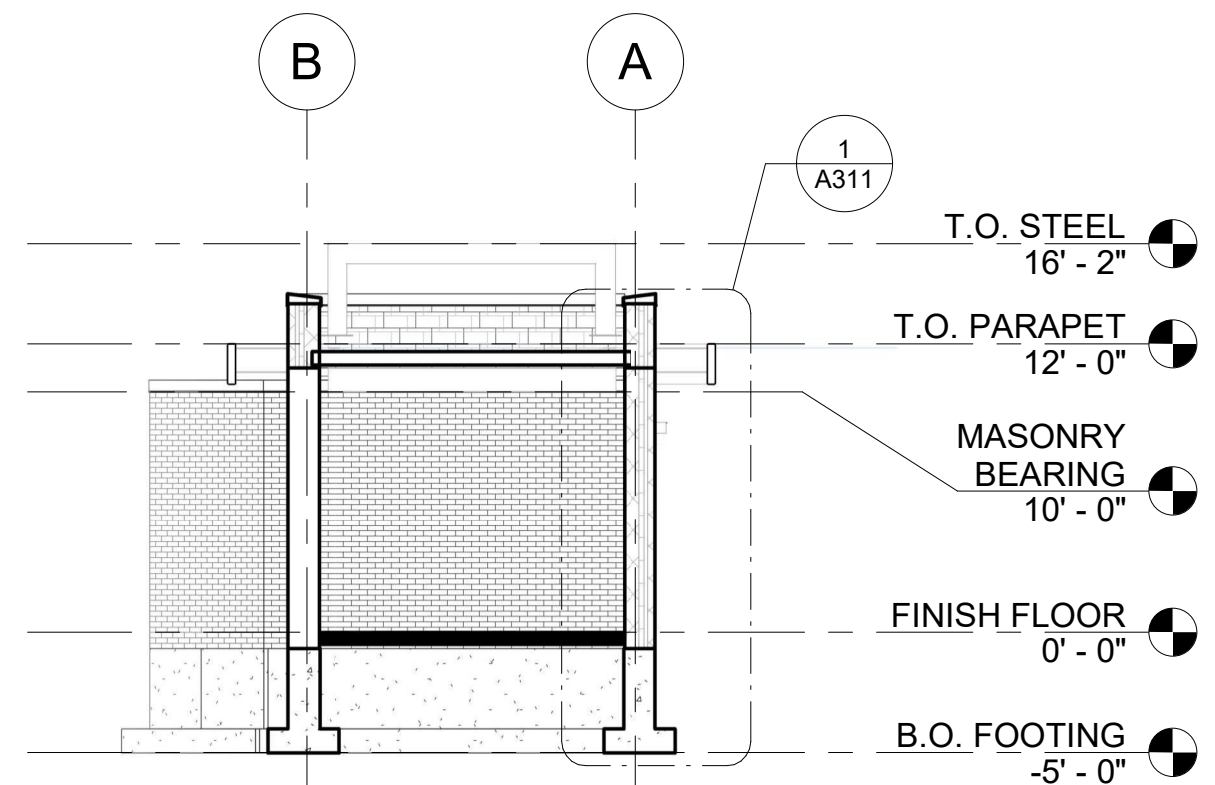
4
A101A | **ELEVATION S/W - COMFORT 101**
Scale: 1/4" = 1'-0"



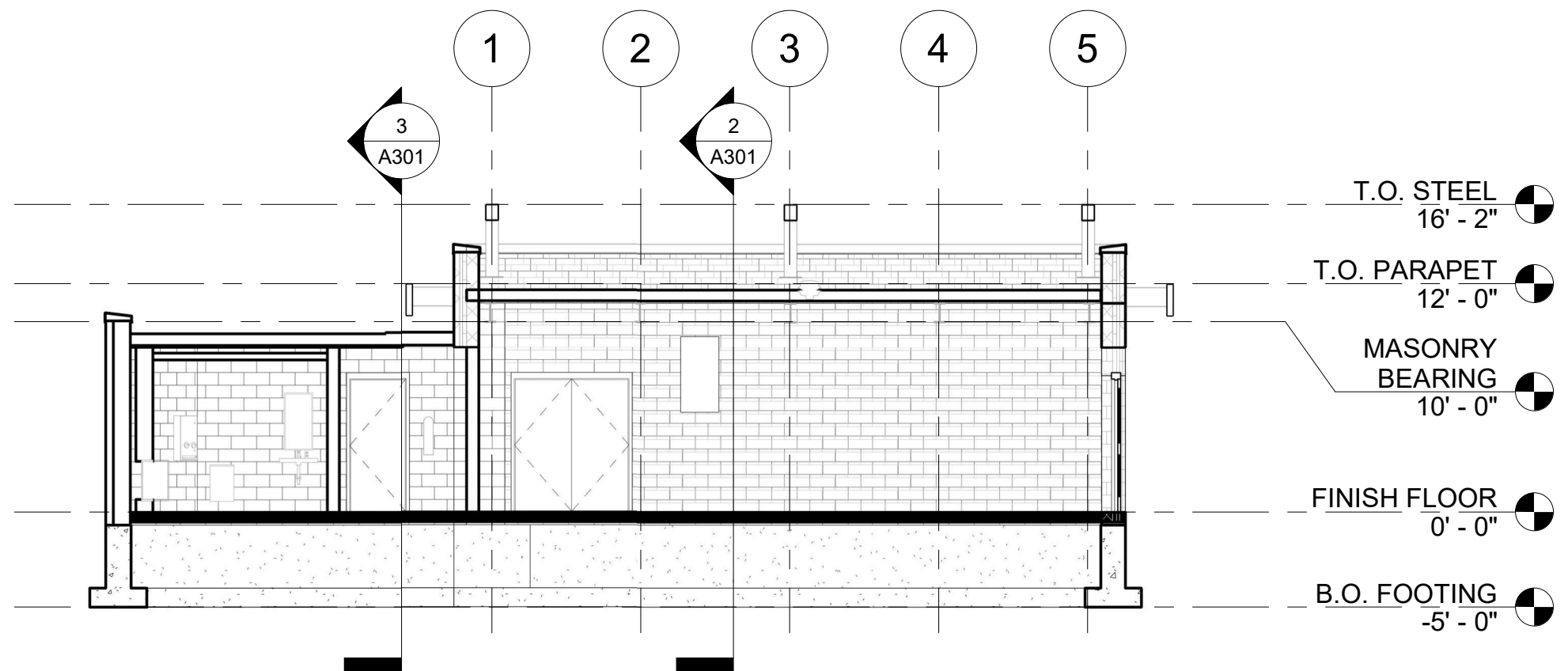
5
A101A | **ELEVATION N/W - COMFORT 101**
Scale: 1/4" = 1'-0"




3	TRANSVERSE SECTION - COMFORT ROOMS
A001	Scale: 1/8" = 1'-0"

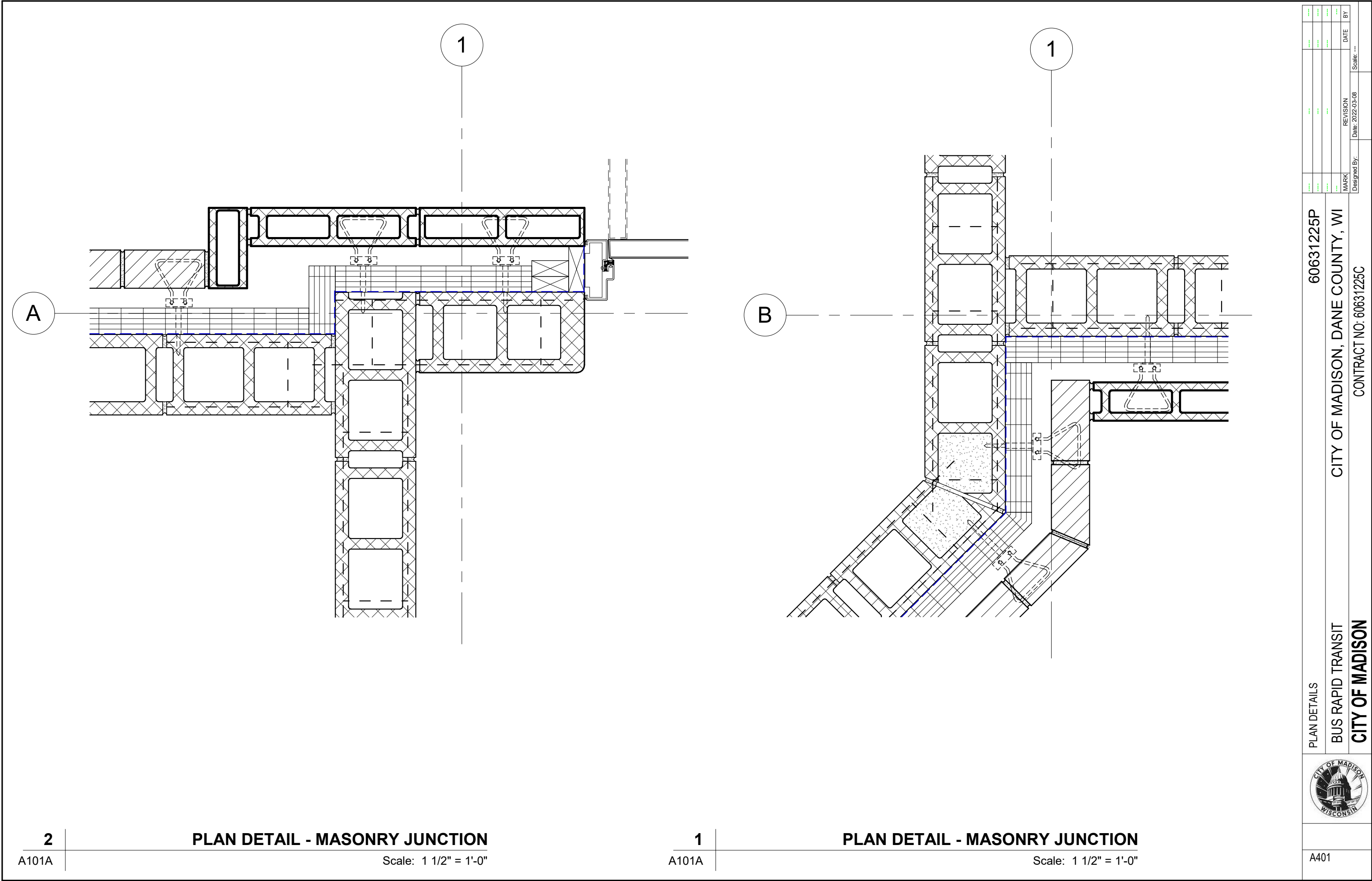


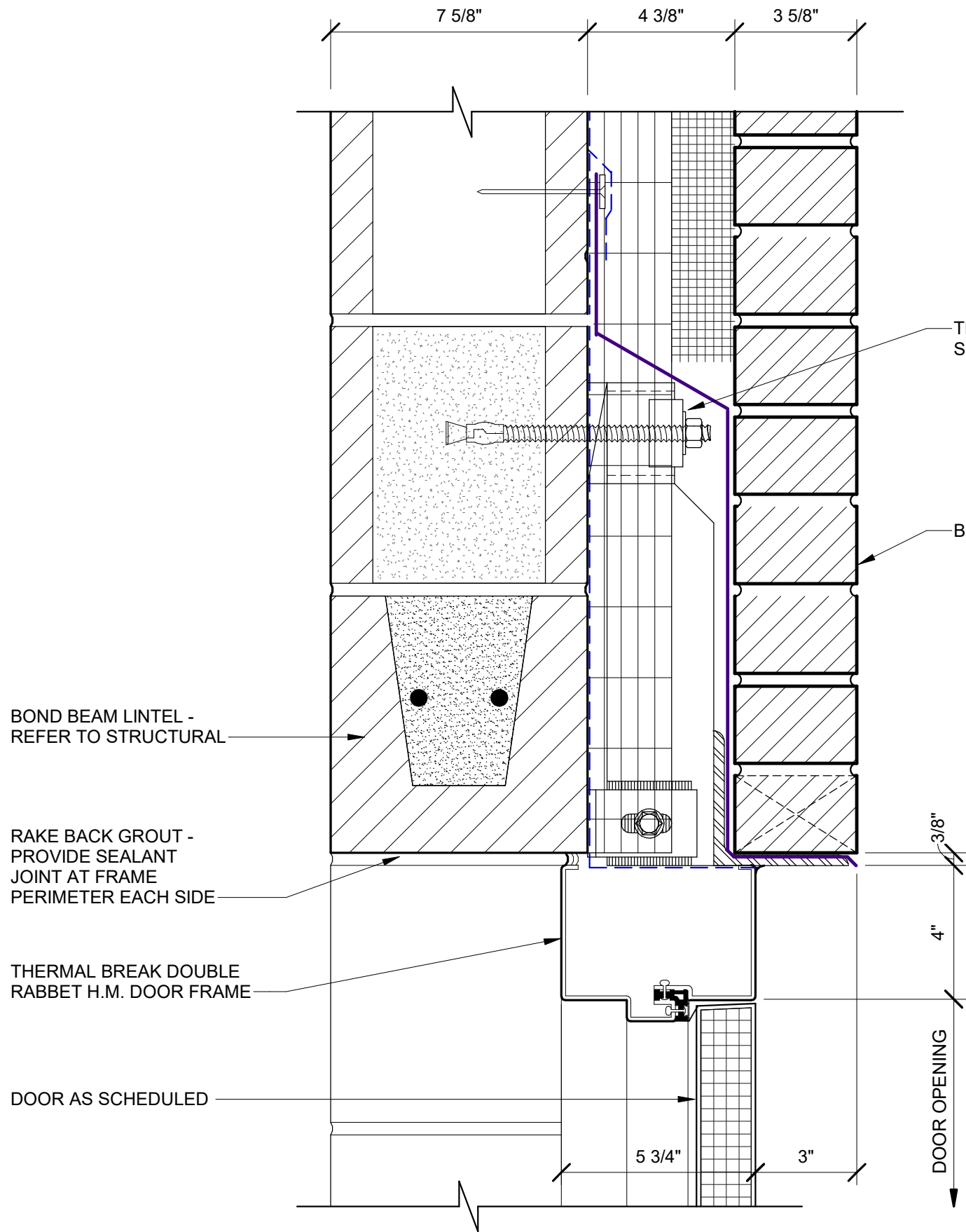
2	TRANSVERSE SECTION - ELECTRICAL ROOM
A001	Scale: 1/8" = 1'-0"



1	LONGITUDINAL SECTION
A001	Scale: 1/8" = 1'-0"

	BUILDING SECTIONS		60631225P	
	BUS RAPID TRANSIT		CITY OF MADISON, DANE COUNTY, WI	
	CITY OF MADISON		CONTRACT NO: 60631225C	
	MARK	REVISION	DATE	BY
	Designed By: _____ Date: 2022-03-08 Scale: ---			

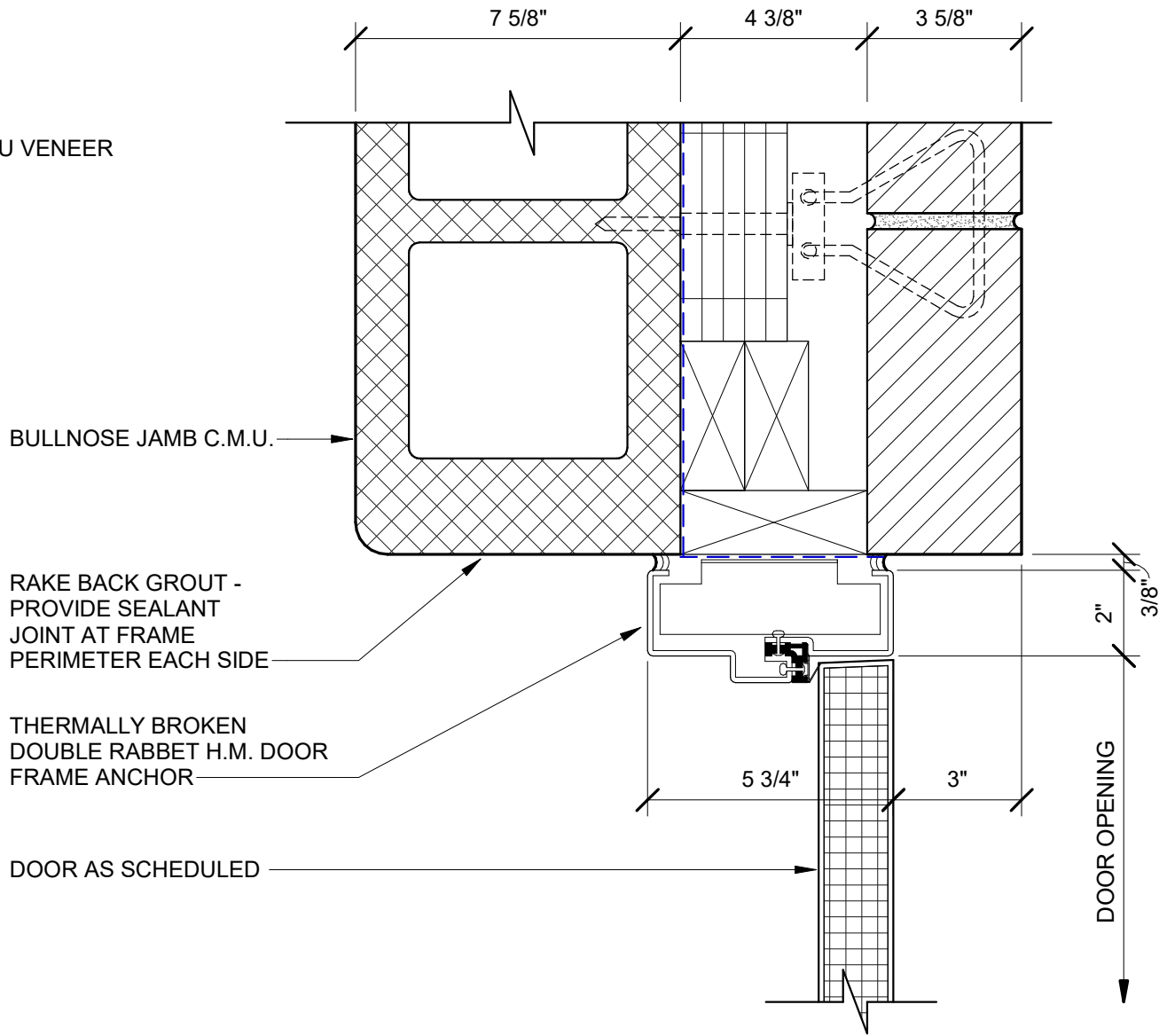




DOOR HEAD DETAIL

Scale: 3" = 1'-0"

2



DOOR JAMB DETAIL

Scale: 3" = 1'-0"

1

MARK	REVISION	DATE	BY

60631225P
CITY OF MADISON, DANE COUNTY, WI

DOOR FRAME DETAILS
BUS RAPID TRANSIT
CITY OF MADISON



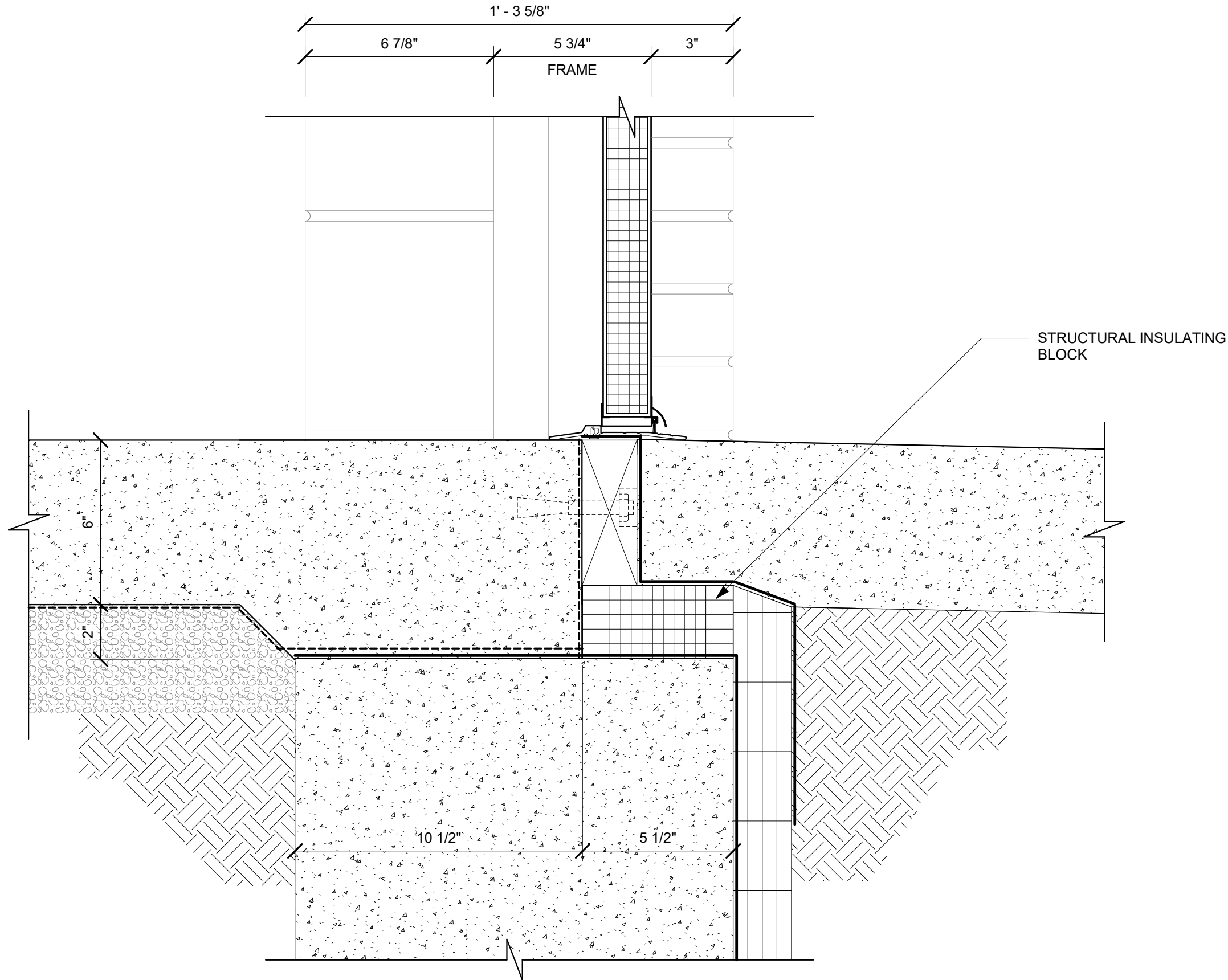
A402

CONTRACT NO: 60631225C

Designed By: _____

Date: 2022-03-08

Scale: ---



1

DOOR SILL DETAIL

Scale: 3" = 1'-0"



DOOR SILL DETAIL

BUS RAPID TRANSIT
CITY OF MADISON

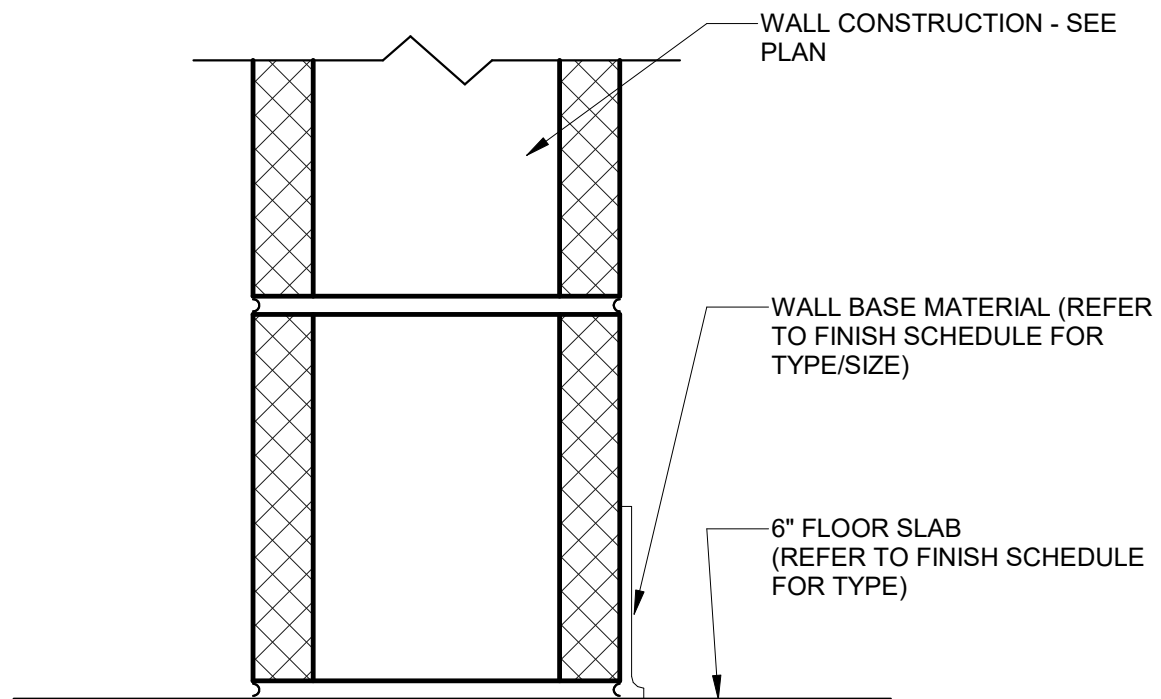
60631225P

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

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

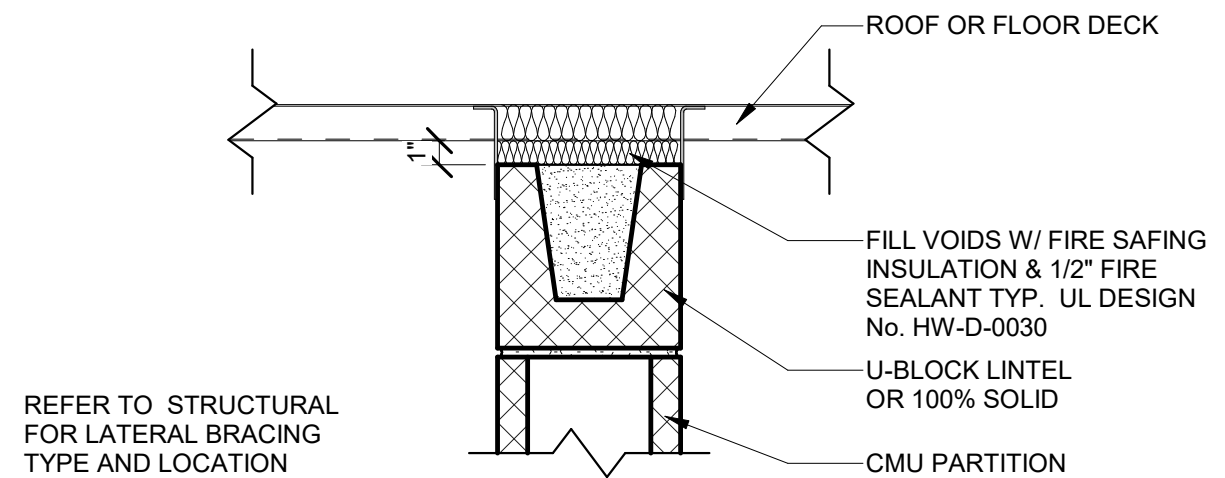
A403



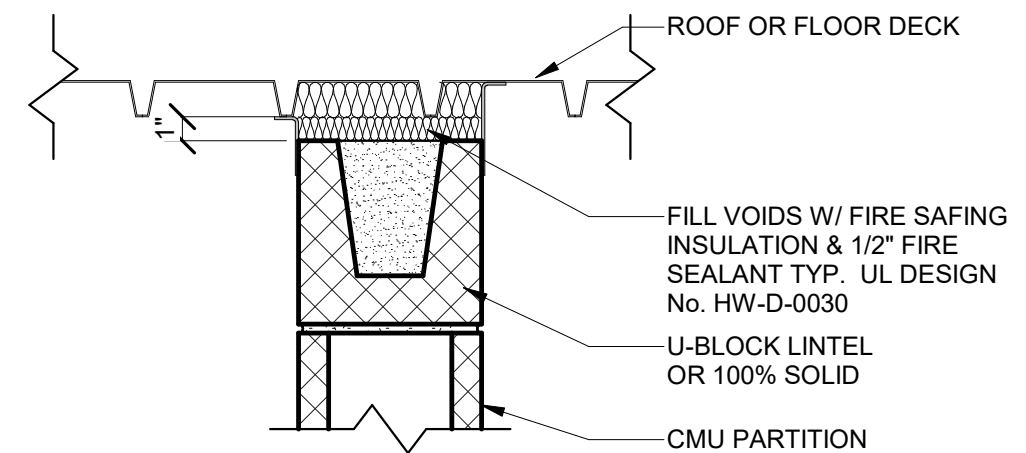
TYPICAL STUD PARTITION BASE

NOT TO SCALE

NOTE:
FOR NON-FIRE RATED WALLS, SOUND ATTENUATION
BATTS 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

60631225P

CITY OF MADISON, DANE COUNTY, WI

INTERIOR PARTITION TYPES

BUS RAPID TRANSIT

CITY OF MADISON



A602

CONTRACT NO: 60631225C

REVISION

Date: 2022-03-08

Scale: ---

MARK

Designed By:

DATE

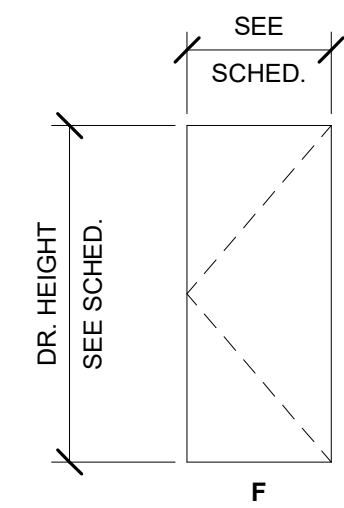
BY

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	-		2/A402	1/A402	1/A403	CARD READER
102	COMFORT	F	3' - 0"	7' - 0"	0' - 1 3/4"	HM	1	HM	PT-3	-		2/A402	1/A402	1/A403	CARD READER
103	JC/STO	F	3' - 0"	7' - 0"	0' - 1 3/4"	HM	1	HM	PT-3	-		2/A402	1/A402	1/A403	CARD READER
104A	ELECTRICAL	F	3' - 0"	7' - 0"	0' - 1 3/4"	HM	1	HM	PT-3	-		2/A402	1/A402	1/A403	CARD READER
104B	ELECTRICAL	F	6' - 0"	7' - 0"	0' - 1 3/4"	HM	2	HM	PT-3	-		2/A402	1/A402	1/A403	CARD READER
DOOR COUNT: 5															

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

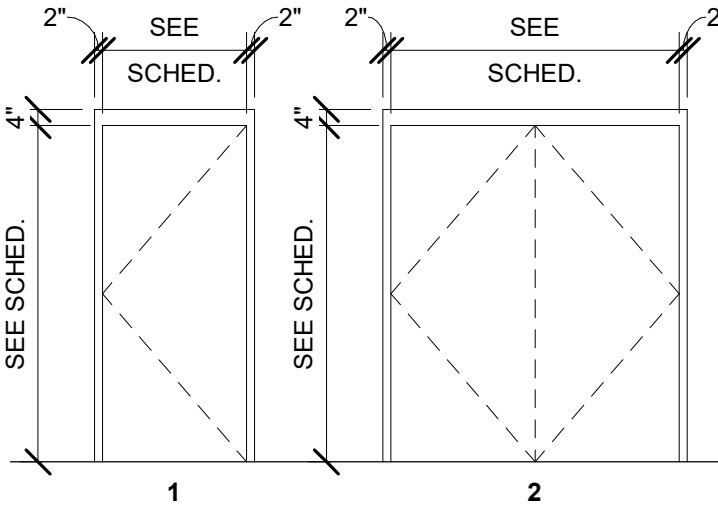
ROOM SCHEDULE		
NUMBER	NAME	AREA
FINISH FLOOR		
101	COMFORT	67 SF
102	COMFORT	67 SF
103	JC/STO	45 SF
104	ELECTRICAL	417 SF

FINISH SCHEDULE						
FINISH CODE	DESCRIPTION	MANUFACTURER	STYLE/PRODUCT NO.	COLOR	SIZE	REMARKS
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



DOOR TYPES
LEGEND

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



FRAME TYPES
LEGEND

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

60631225P

CITY OF MADISON, DANE COUNTY, WI

SCHEDULES

BUS RAPID TRANSIT

A610

60631225C

CONTRACT NO: 60631225C

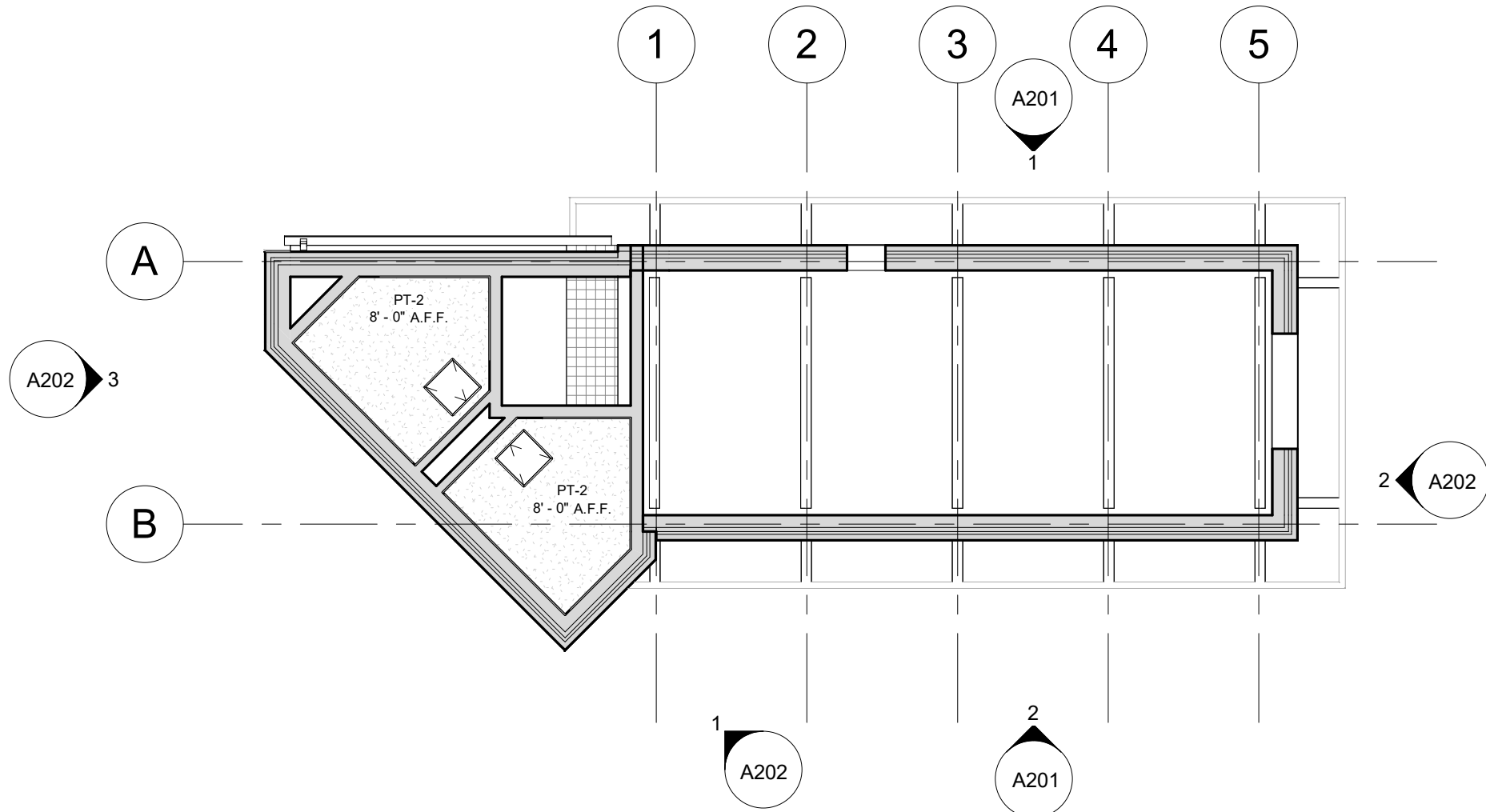
REVISION

MARK

DESIGNED BY:

DATE: 2022-03-08

Scale: ---



1
A201

REFLECTED CEILING PLAN

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

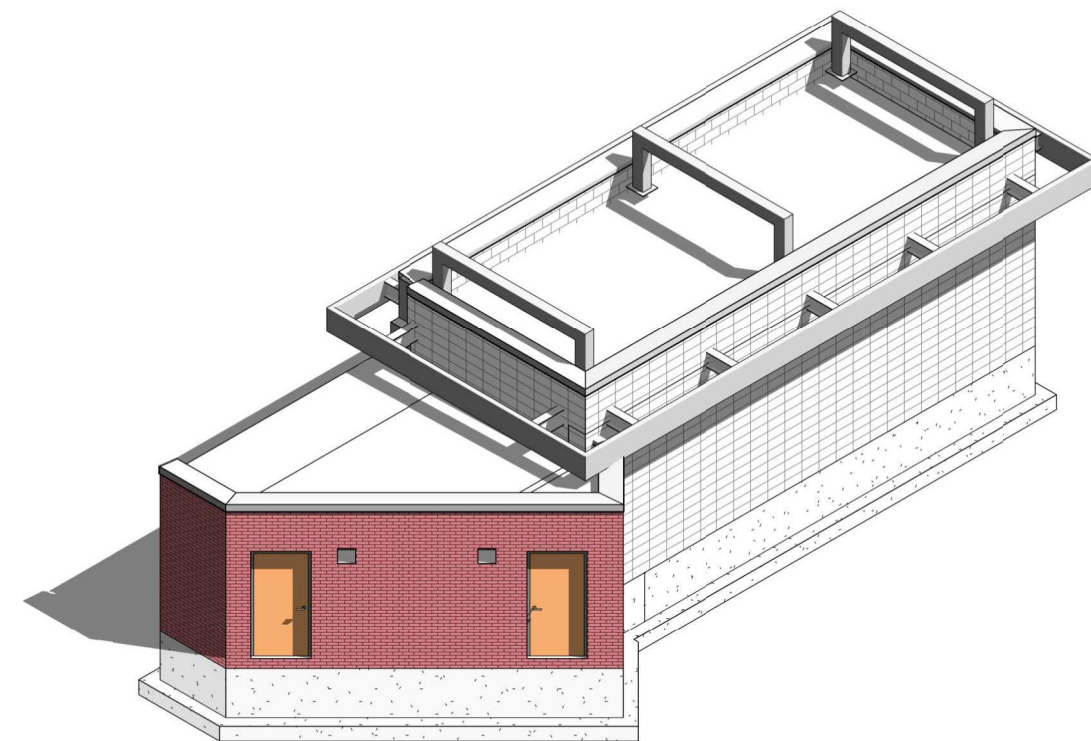
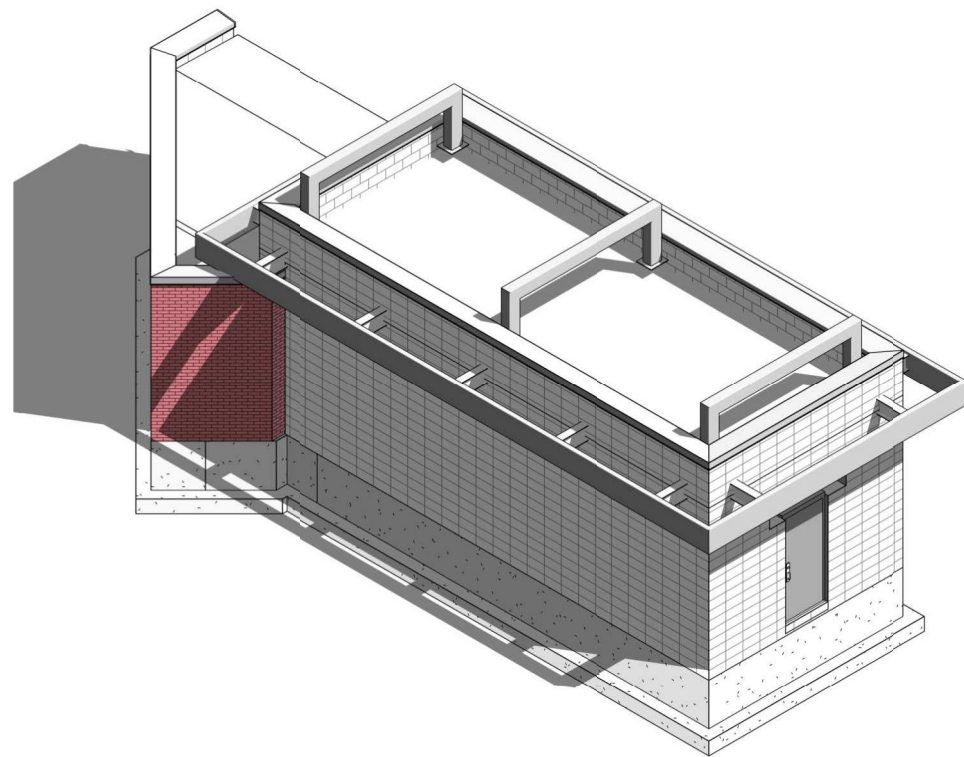
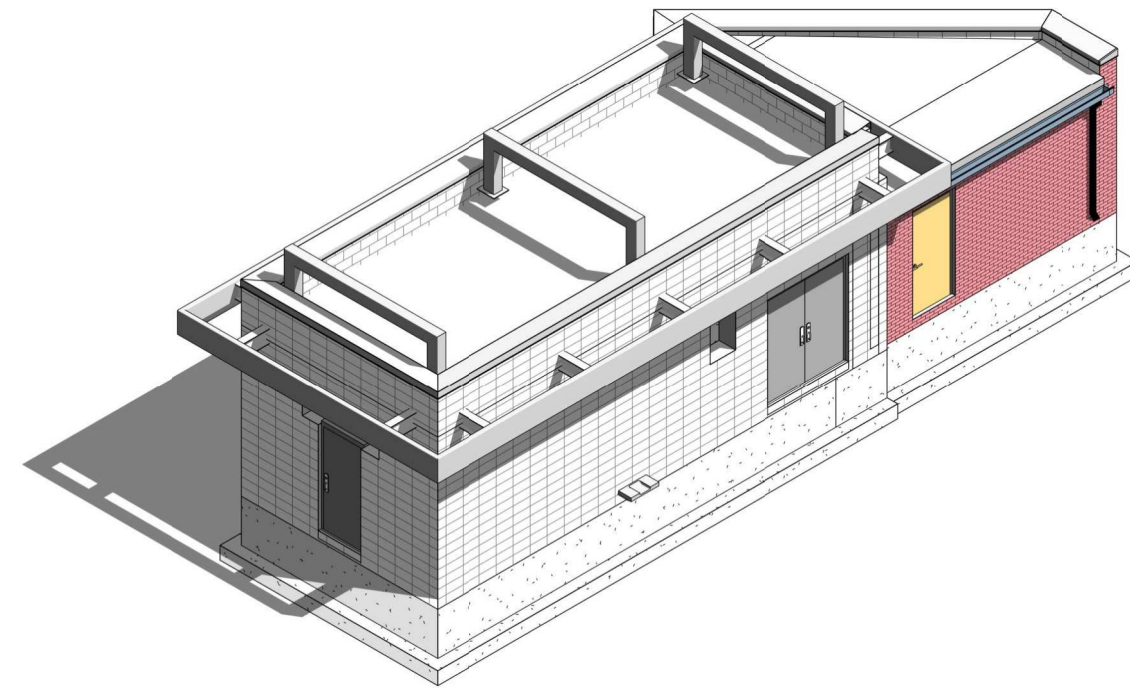
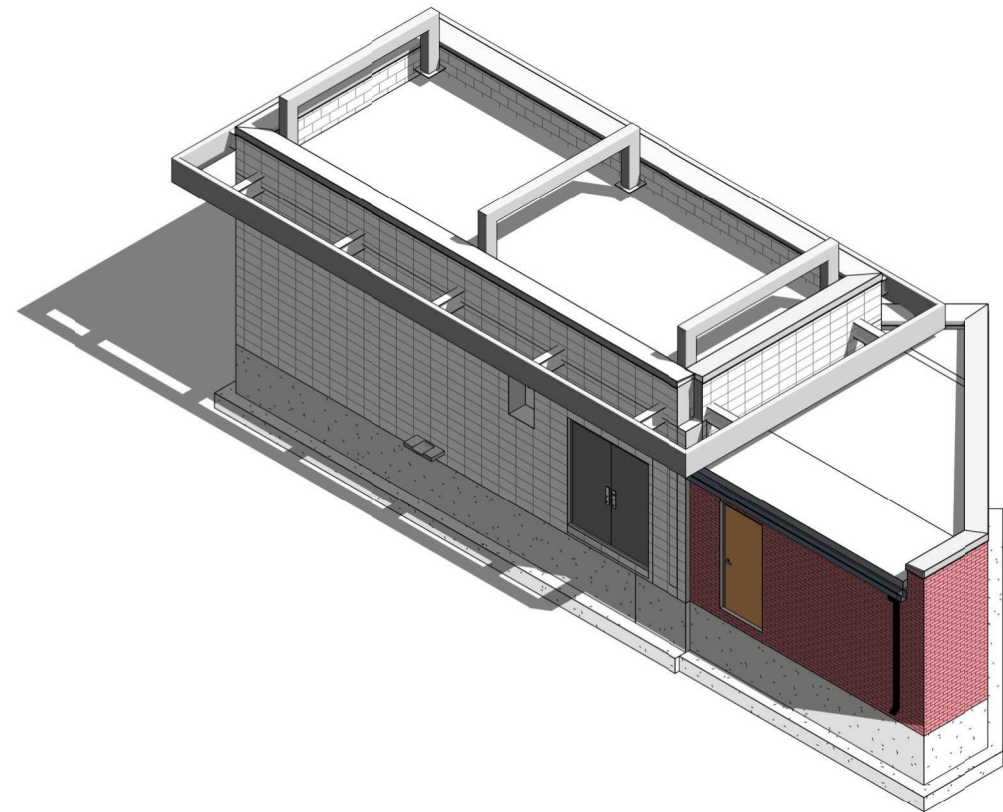


REFLECTED CEILING PLAN
BUS RAPID TRANSIT
CITY OF MADISON

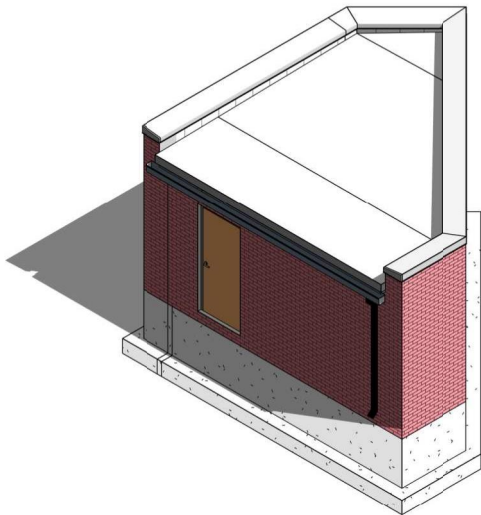
60631225P
CITY OF MADISON, DANE COUNTY, WI
CONTRACT NO: 60631225C

MARK	REVISION	DATE	BY
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A701



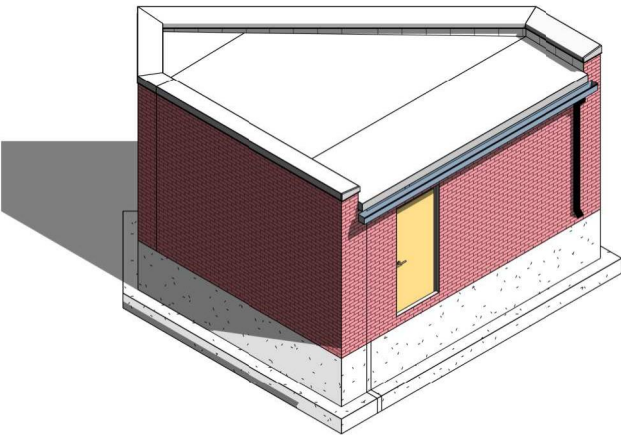
1



NW ISOMETRIC

NTS

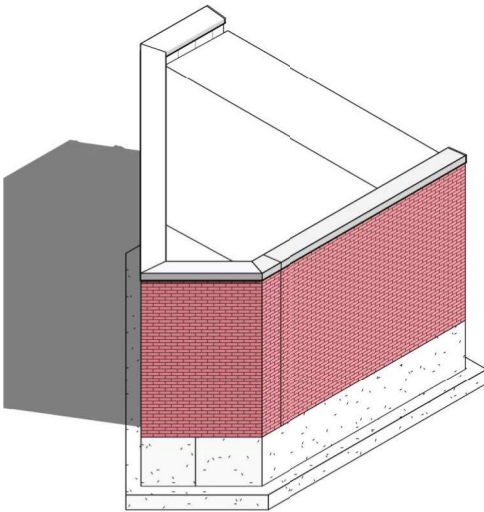
2



NE ISOMETRIC

NTS

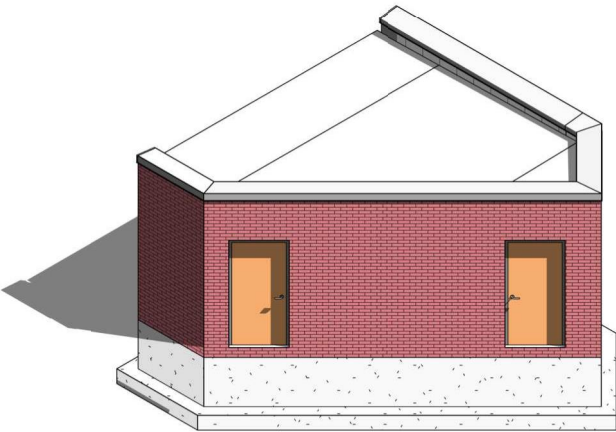
3



SE ISOMETRIC


NTS

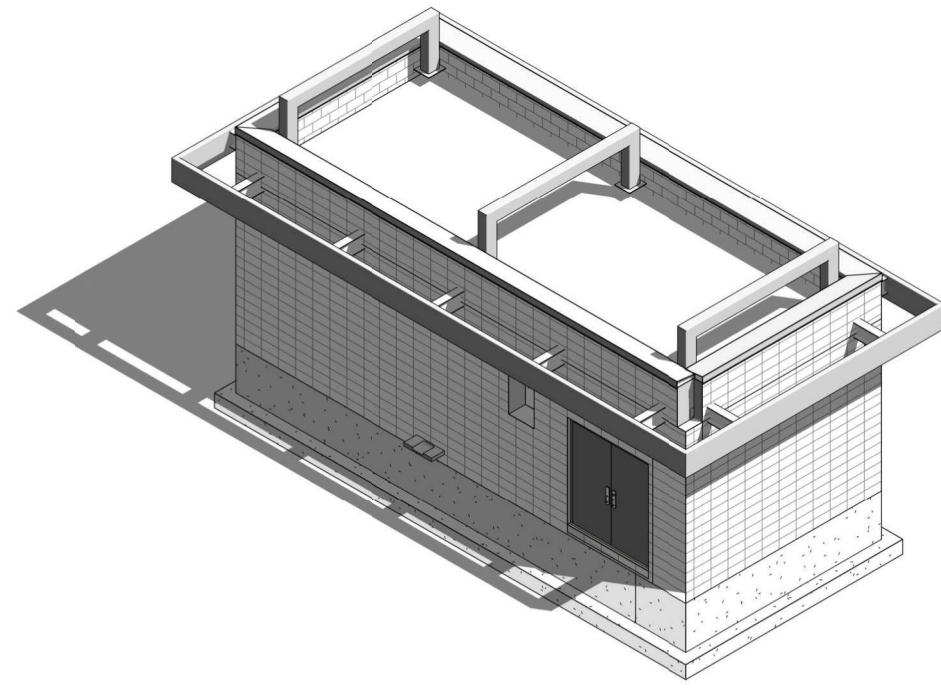
4



SW ISOMETRIC

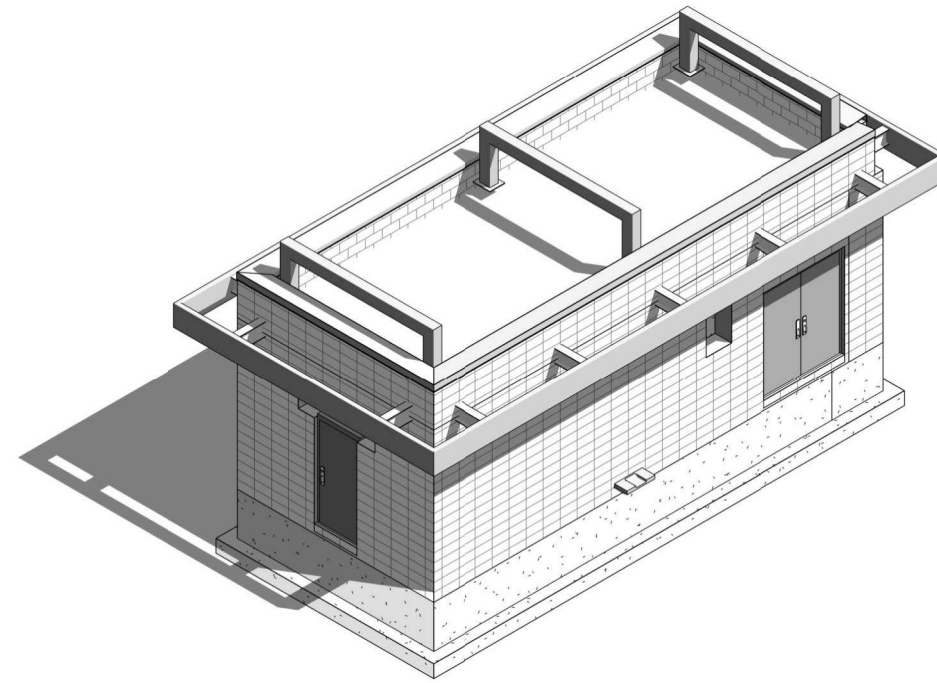
NTS

	ISOMETRIC VIEWS COMFORT ROOMS		60631225P	
	BUS RAPID TRANSIT		CITY OF MADISON, DANE COUNTY, WI	
	CITY OF MADISON		CONTRACT NO: 60631225C	
	A902			
		MARK	REVISION	DATE
		Designed By:	Date: 2022-03-08	BY
			Scale: ---	



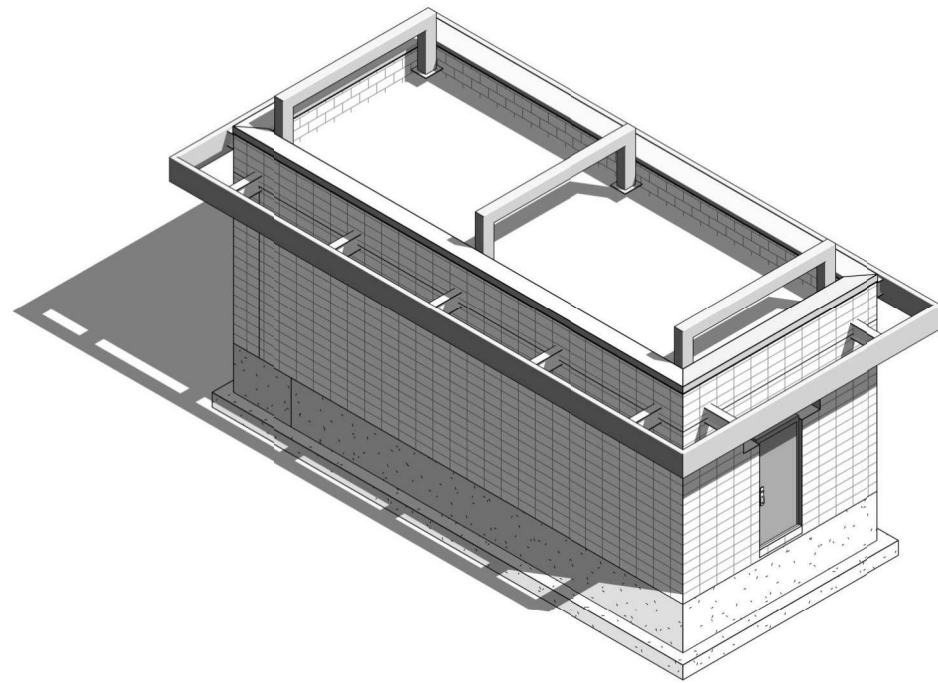
NW ISOMETRIC

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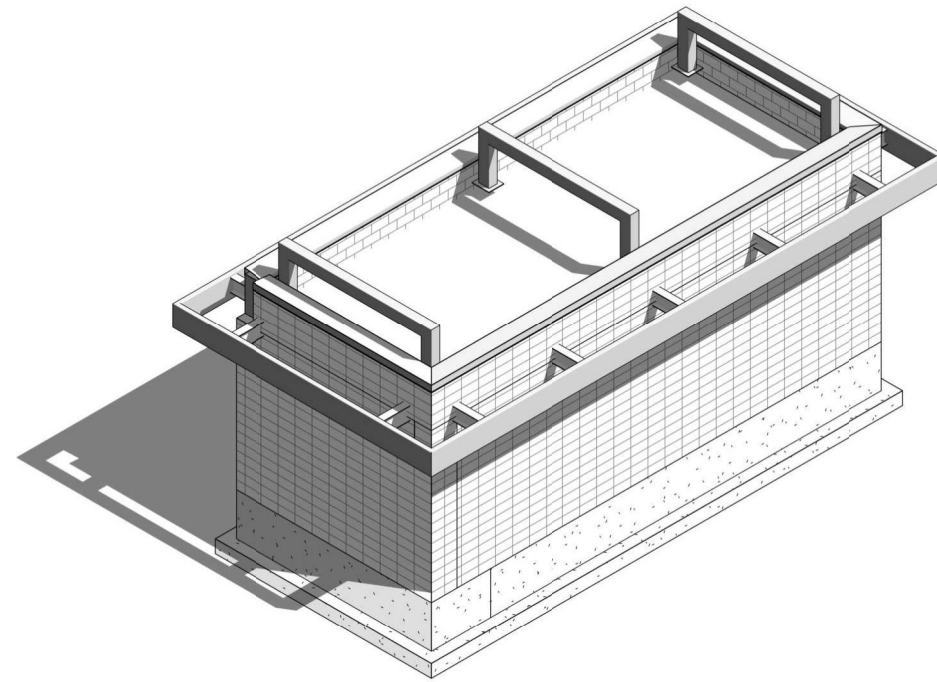
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Designed By:		Date:	2022-03-08	Scale:	----

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

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.
(SEE EQUIPMENT SCHEDULES)
 - E. OCCUPANCY CATEGORY OF BUILDINGS II
 - F. ROOF SNOW LOAD:
 1. GROUND SNOW LOAD, P_g 30 PSF
 2. FLAT ROOF SNOW LOAD 21 PSF+DRIFT
 3. SNOW EXPOSURE FACTOR, C_e 1.0
 4. IMPORTANCE FACTOR, I 1.0
 5. THERMAL FACTOR, C_t 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, GC_{pi} +/- 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. DIMENSIONS AND ELEVATIONS INDICATED ON EXISTING STRUCTURES HAVE BEEN OBTAINED FROM DRAWINGS OR FIELD SURVEYS. VERIFY ALL DIMENSIONS AND ELEVATIONS THAT ARE REQUIRED FOR FABRICATION AND INSTALLATION OF ADDITIONS TO EXISTING STRUCTURES WITH FIELD MEASUREMENTS.
4. 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.
5. 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/ACI 350 REQUIREMENTS.
6. 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.
7. 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.
8. PROTECT ALL FLOOR OPENINGS, EDGES AND EQUIPMENT PLATFORMS TO COMPLY WITH REQUIREMENTS OF OSHA AND THE GOVERNING BUILDING CODE WHETHER OR NOT SHOWN ON THE DRAWINGS. PROVIDE GRATING, PLATE COVERS OR GUARDRAILS AS DIRECTED BY THE ENGINEER.

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. PROVIDE FOUNDATION PREPARATION (3" THICK MUD MAT) AS INDICATED ON THE STANDARD DETAIL UNDER ALL FOUNDATION SLABS, MATS AND FOOTINGS.
6. DO NOT PLACE FOUNDATION CONCRETE IN WATER OR ON FROZEN OR DISTURBED GROUND.
7. DO NOT BACKFILL AGAINST CONCRETE WALLS UNTIL WALLS AND ALL SLABS AT AND BELOW THE FIRST FLOOR LEVEL HAVE REACHED THE SPECIFIED DESIGN STRENGTH. THE FIRST FLOOR LEVEL IS DEFINED AS THE LEVEL AT FINISHED GRADE OR THE FIRST LEVEL ABOVE FINISHED GRADE.
8. 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.
9. PROVIDE 2:1 HORIZONTAL TO VERTICAL SLOPE OF EXCAVATION FOR INSTALLATION OF BELOW GRADE STRUCTURES. OR, PROVIDE AN EARTH RETENTION SYSTEM ENGINEERED BY A STRUCTURAL ENGINEER LICENSED IN THE STATE OF WISCONSIN.

S001		STRUCTURAL NOTES	CITY OF MADISON BUS RAPID TRANSIT CITY OF MADISON	60631225P CITY OF MADISON, DANE COUNTY, WI CONTRACT NO: 60631225C	<div style="float: right;"> AS NOTED AS SHOWN BY _____ DATE _____ </div> <div style="clear: both;"></div>
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REINFORCING STEEL

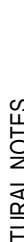
1. ALL REINFORCING STEEL INCLUDING STIRRUPS AND TIES, SHALL BE HIGH STRENGTH, NEW BILLET STEEL CONFORMING TO ASTM A615 GRADE 60 (FY=60,000 PSI). ALL REINFORCING TO BE WELDED SHALL CONFORM TO ASTM A706 GRADE 60.
2. ALL REINFORCING SHALL BE DETAILS, FABRICATED, AND PLACED IN ACCORDANCE WITH ACI-315 "MANUAL 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 (IN COMPRESSION) IS 45 DIAMETERS IN CONCRETE; AND IN TENSION (FOR CONCRETE) AS NOTED ON DETAILS. EMBEDMENT AND HOOK LENGTHS SHALL BE PER ACI 318-08.
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 (INCLUDING LID OF TUNNEL SLAB):	
#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"
SLABS SUBJECT TO VEHICULAR TRAFFIC:	
FRAMED SLABS TOP COVER	2"
BOTTOM COVER	3/4"

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. PROVIDE CONCRETE UNDER FOUNDATIONS HAVING A 28-DAY COMPRESSIVE STRENGTH OF 1,500 PSI WHEN INDICATED OR SPECIFIED.
5. AIR-ENTRAIN ALL CONCRETE (6-8%).
6. REINFORCING BARS SHALL CONFORM TO ASTM A 615, GRADE-60.
7. 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.
8. 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.
9. 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.
10. CAST FOUNDATION MATS, BASE SLABS, SLABS ON GRADE, WALLS AND ELEVATED SLABS IN ALTERNATE CONCRETE PLACEMENTS. WAIT A MINIMUM OF 72 HOURS BEFORE PLACING ADJACENT CONCRETE SECTIONS.
11. SET AND MAINTAIN REINFORCEMENT AT THE CLEAR DISTANCES FROM THE SURFACE OF CONCRETE AS SHOWN IN THE STANDARD DETAIL UNLESS OTHERWISE INDICATED.
12. PROVIDE EMBEDMENT AND SPLICES OF REINFORCEMENT AS SHOWN IN THE STANDARD DETAILS UNLESS OTHERWISE INDICATED.
13. PROVIDE CONSTRUCTION AND EXPANSION JOINTS WHERE INDICATED. DO NOT OMIT OR ADD JOINTS.
14. PROVIDE 3/4-INCH CHAMFER ON ALL EXPOSED CORNERS OF CONCRETE ELEMENTS.
15. 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.

S002			STRUCTURAL NOTES BUS RAPID TRANSIT CITY OF MADISON	60631225P CITY OF MADISON, DANE COUNTY, WI CONTRACT NO: 60631225C	DATE BY
				MARK	REVISION
				Date: 2022-03-08	Scale: ---

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 GAGE DEFORMED WIRE CONFORMING TO ASTM A 82. REINFORCING SHALL BE OF TRUSS DESIGN CONSISTING OF TWO DEFORMED 9 GAGE LONGITUDINAL WIRES WELDED AT NOT MORE THAN 16 " ON CENTER TO 9 GAGE 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".

S003		STRUCTURAL NOTES	60631225P		<table><tr><td>DATE</td><td>BY</td></tr><tr><td></td><td></td></tr></table>		DATE	BY		
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STRUCTURAL STEEL

1. W SHAPES SHALL CONFORM TO ASTM A 992 UNLESS OTHERWISE INDICATED OR SPECIFIED.
2. C, M, S AND W SHAPES SHALL CONFORM TO ASTM A 572, GRADE 50, UNLESS OTHERWISE INDICATED OR SPECIFIED.
3. ANGLES, PLATES AND BARS SHALL CONFORM TO ASTM A 36.
4. ROUND, SQUARE AND RECTANGULAR STRUCTURAL TUBE MEMBERS (HSS) SHALL CONFORM TO ASTM A 500, GRADE B.
5. STEEL PIPE SHALL CONFORM TO ASTM A 53, GRADE B.
6. DETAILING, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL COMPLY WITH ALL APPLICABLE OSHA REGULATIONS.
7. WELDING SHALL CONFORM TO THE STRUCTURAL WELDING CODE, AWS D1.1. USE E70XX WELDING ELECTRODES.
8. FIELD WELDING OF STRUCTURAL MEMBERS IS NOT PERMITTED UNLESS SPECIFICALLY INDICATED.
9. SHOP CONNECTIONS MAY BE BOLTED OR WELDED UNLESS THE CONNECTION METHOD IS INDICATED.
10. FIELD CONNECTIONS SHALL BE BOLTED UNLESS WELDING IS INDICATED.
11. PROVIDE 3/4" DIAMETER ASTM A 325X HIGH STRENGTH BOLTS FOR BOLTED CONNECTIONS. PROVIDE 13/16" DIAMETER HOLES UNLESS OTHERWISE INDICATED. PROVIDE ONE HARDENED WASHER UNDER THE ELEMENT TURNED IN TIGHTENING. PROVIDE PLATE WASHERS IN BOTH OUTER PLIES WHEN OVERSIZE OR SLOTTED HOLES ARE INDICATED.
12. TIGHTEN HIGH STRENGTH BOLTS TO THE SNUG-TIGHT CONDITION IN ACCORDANCE WITH AISC SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A 325 OR A 490 BOLTS, EXCEPT WHEN SLIP-CRITICAL JOINTS OR CONNECTIONS SUBJECTED TO DIRECT TENSION ARE INDICATED OR SPECIFIED.
13. TIGHTEN HIGH STRENGTH BOLTS FOR SLIP-CRITICAL JOINTS OR CONNECTIONS SUBJECTED TO DIRECT TENSION IN CONFORMANCE WITH THE AISC SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A 325 OR A 490 BOLTS. TENSION CONTROL BOLTING MAY NOT BE SUBSTITUTED FOR CALIBRATED WRENCH BOLTING WHEN USING HOT-DIP GALVANIZED BOLTS.
14. SIMPLY SUPPORTED BEAM-TO-COLUMN AND BEAM-TO-BEAM CONNECTIONS SHALL BE MADE WITH DOUBLE ANGLES IN CONFORMANCE WITH THE AISC MANUAL UNLESS OTHERWISE INDICATED.
15. PROVIDE MAXIMUM NUMBER OF BOLTS POSSIBLE FOR THE PARTICULAR MEMBER DEPTH IN ACCORDANCE WITH THE AISC MANUAL.
16. PROVIDE TEMPORARY BRACING AND STAYS DURING STEEL ERECTION TO RESIST VERTICAL AND LATERAL LOADS UNTIL MEMBERS ARE PERMANENTLY FASTENED AND FLOORS AND ROOFS COMPLETED.
17. PROVIDE 1/16" MINIMUM CONTINUOUS FILLET SEAL WELDS FOR ALL WELDED CONNECTIONS TO MEMBERS THAT ARE EXTERIOR OR ARE TO BE EXPOSED TO WET OR DAMP SERVICE CONDITIONS AND TO ALL WELDED CONNECTIONS THAT WILL BE GALVANIZED.
18. APPLY 1/8" THICK TROWEL GRADE BITUMINOUS MASTIC DAMPPROOFING TO STEEL MEMBERS TO BE ENCASED IN EXTERIOR MASONRY WALLS UNLESS DIRECT CONTACT SPRAY-ON OR TROWEL-ON FIREPROOFING IS INDICATED OR SPECIFIED.
19. PROVIDE 3/16" X 1" LONG FILLET WELD FOR ELECTRICAL CONTINUITY BETWEEN MEMBERS AT CONNECTIONS.

20. USE NON-SHRINKING, NON-METALLIC GROUT UNDER BASE AND BEARING PLATES, WITH 8,000 PSI COMPRESSIVE STRENGTH AT 28 DAYS.
21. SHEAR STUDS SHALL CONFORM TO ASTM A 108. INSTALL IN ACCORDANCE WITH AWS D1.1.
22. PROVIDE 13/16" DIAMETER DRAIN HOLES THROUGH MEMBERS AT LOW POINTS OR AS REQUIRED TO PREVENT ACCUMULATION OF WATER.
23. PROVIDE 1/8" LEVELING PLATES THE SAME SIZE AS THE BASE PLATES FOR STRUCTURAL STEEL COLUMNS.
24. PROVIDE F 1554 ANCHOR RODS FOR ANCHORAGE TO CONCRETE AND MASONRY AS INDICATED. FURNISH AND INSTALL ONE WASHER AND ONE HEAVY HEX NUT WITH ASTM F 1554 ANCHOR RODS UNLESS OTHERWISE INDICATED.
25. PROVIDE HOT-DIP GALVANIZING IN CONFORMANCE WITH ASTM A 123, GRADE 100 TO ALL STEEL INDICATED OR SPECIFIED TO BE GALVANIZED.
26. PROVIDE HOT-DIP GALVANIZING, IN CONFORMANCE WITH ASTM A 153, TO ALL BOLTS, NUTS AND WASHERS THAT WILL BE USED WITH GALVANIZED STEEL.

STRUCTURAL NOTES

STRUCTURAL NOTES

BUS RAPID TRANSIT

CITY OF MADISON



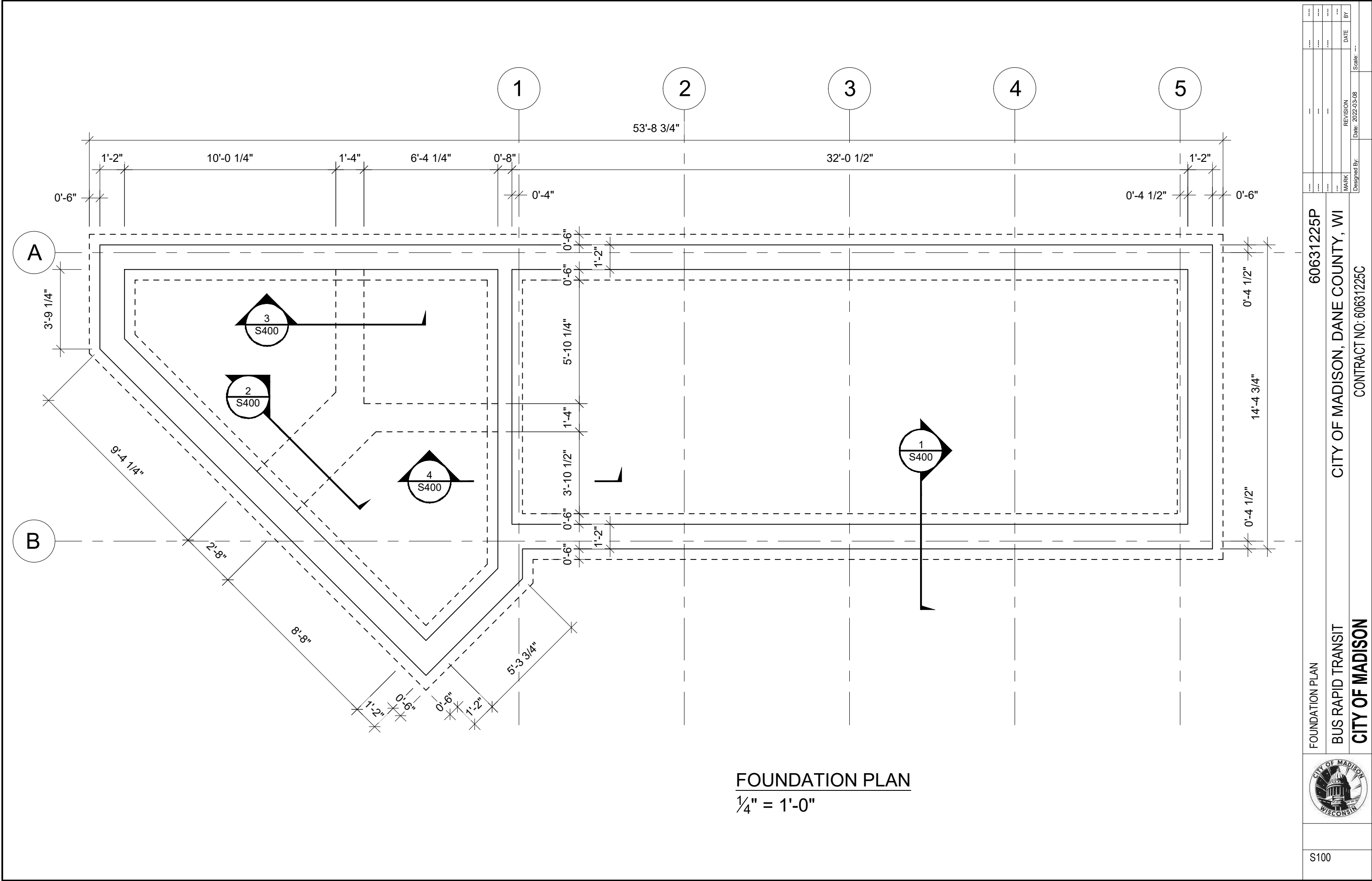
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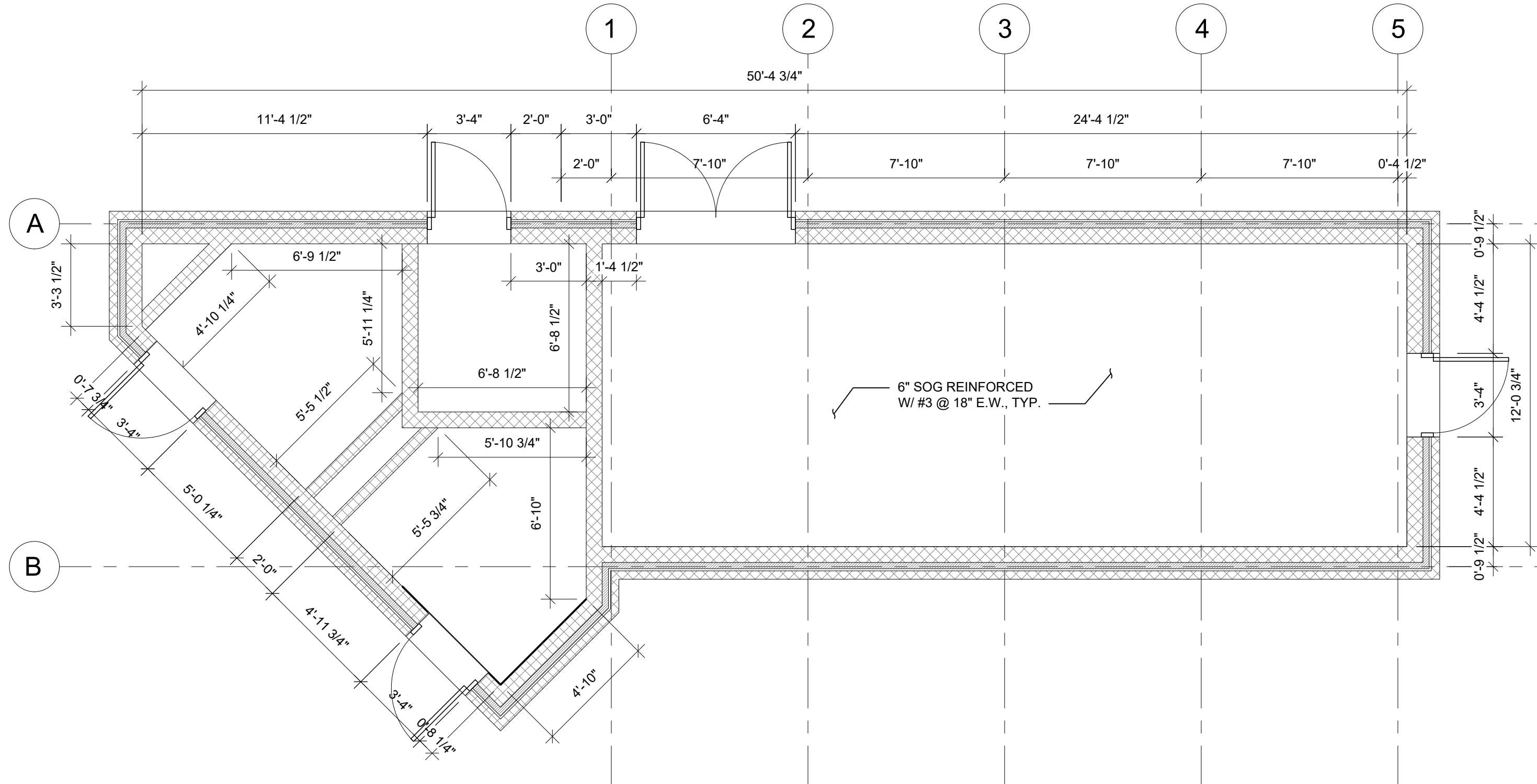
CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C


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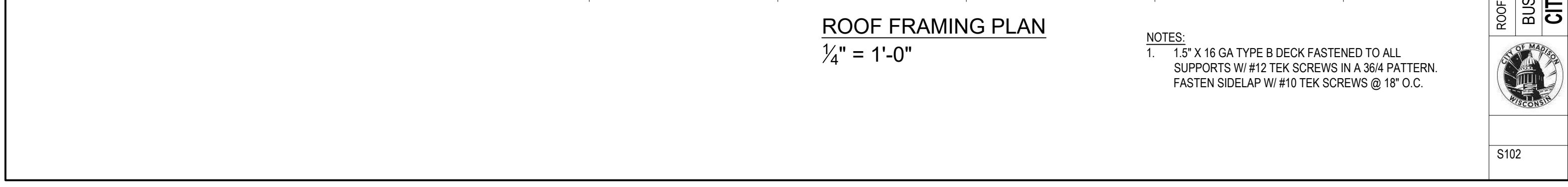
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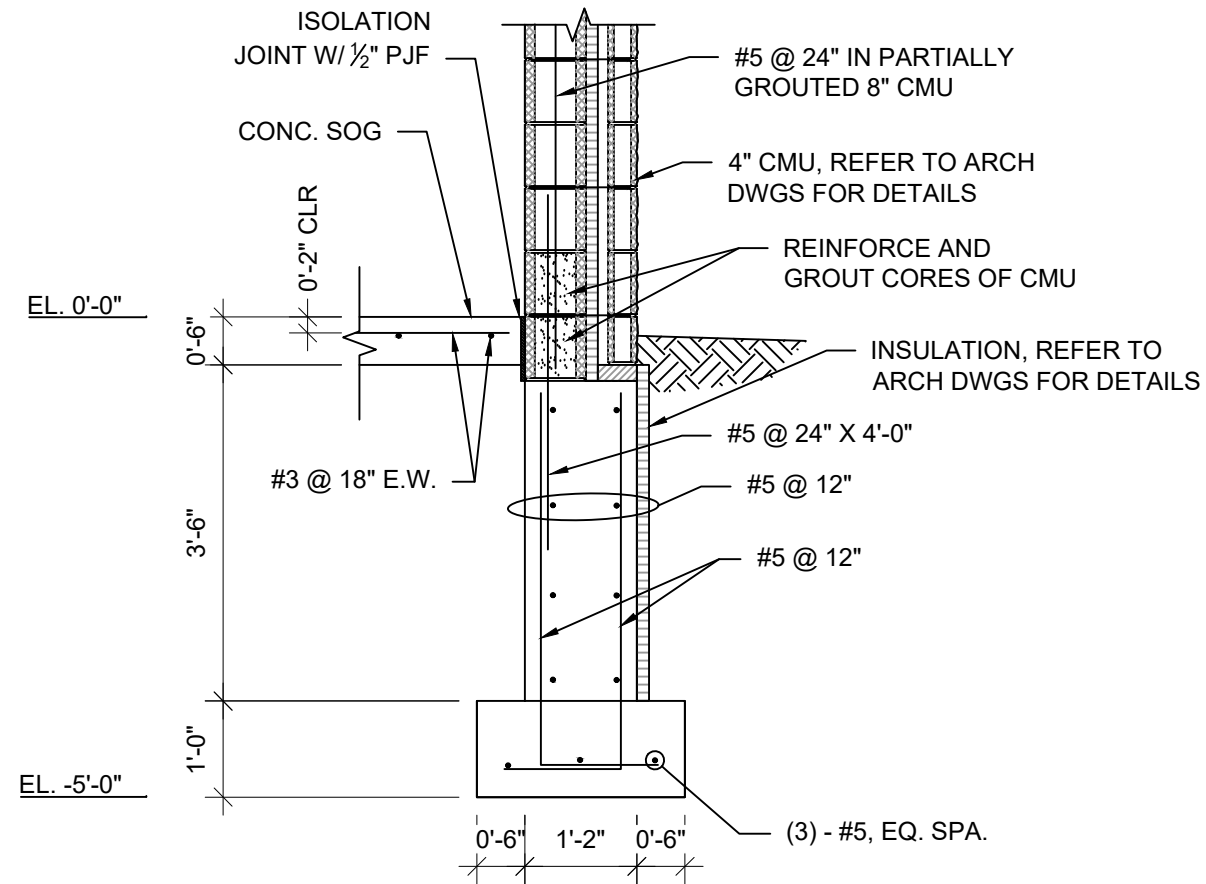




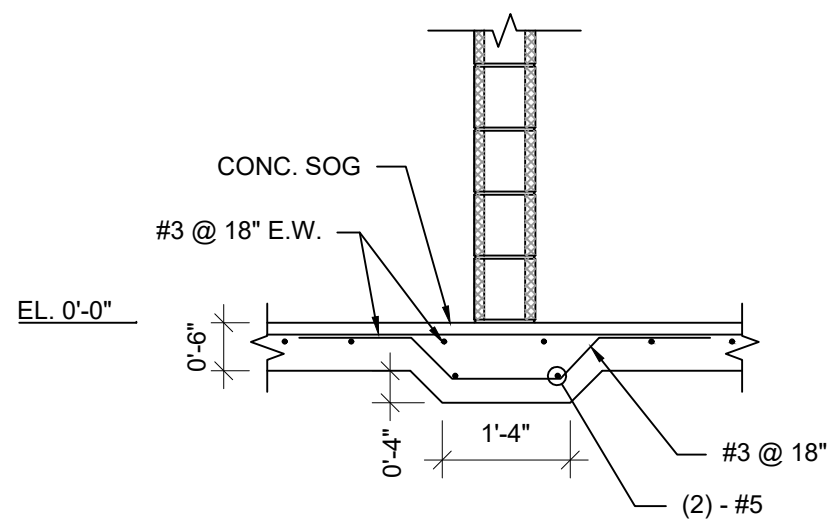
FLOOR PLAN
 $\frac{1}{4}" = 1'-0"$

S101		FLOOR PLAN	60631225P			
		BUS RAPID TRANSIT	CITY OF MADISON, DANE COUNTY, WI			
		CITY OF MADISON	CONTRACT NO: 60631225C			
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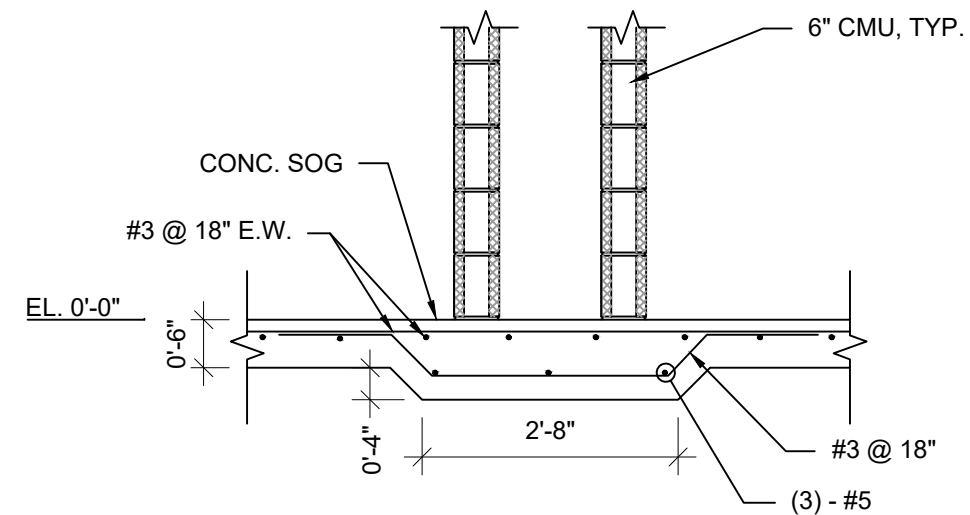




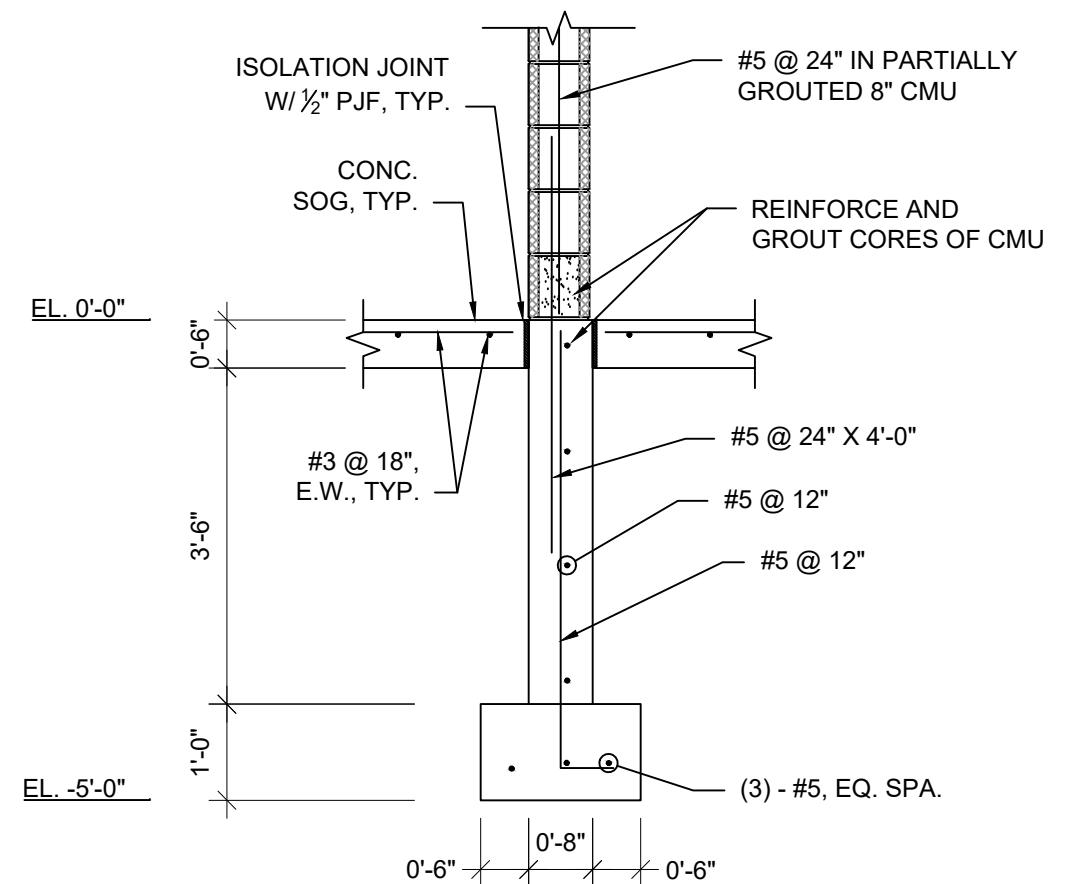
1 STRIP FOOTING AT EXTERIOR WALL DETAIL
 $\frac{1}{2}" = 1'-0"$



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

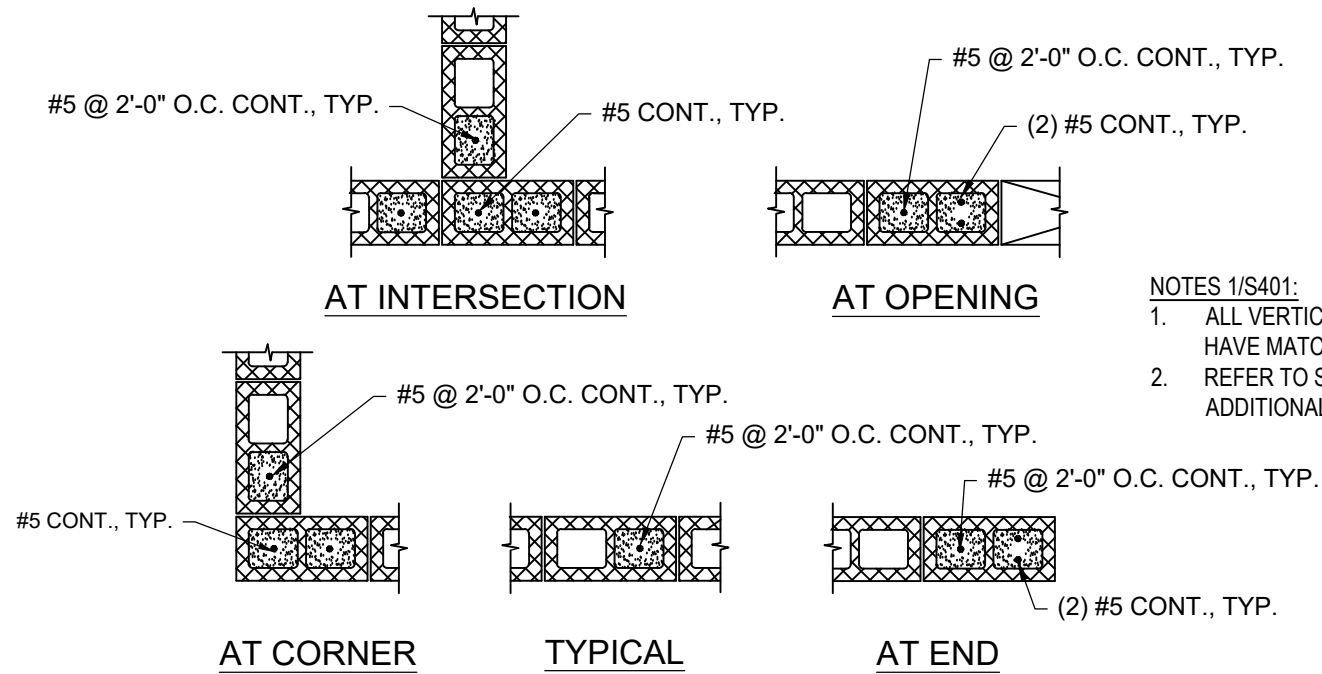


2 THICKENED SLAB AT 8" CMU WALL DETAIL
 $\frac{1}{2}" = 1'-0"$



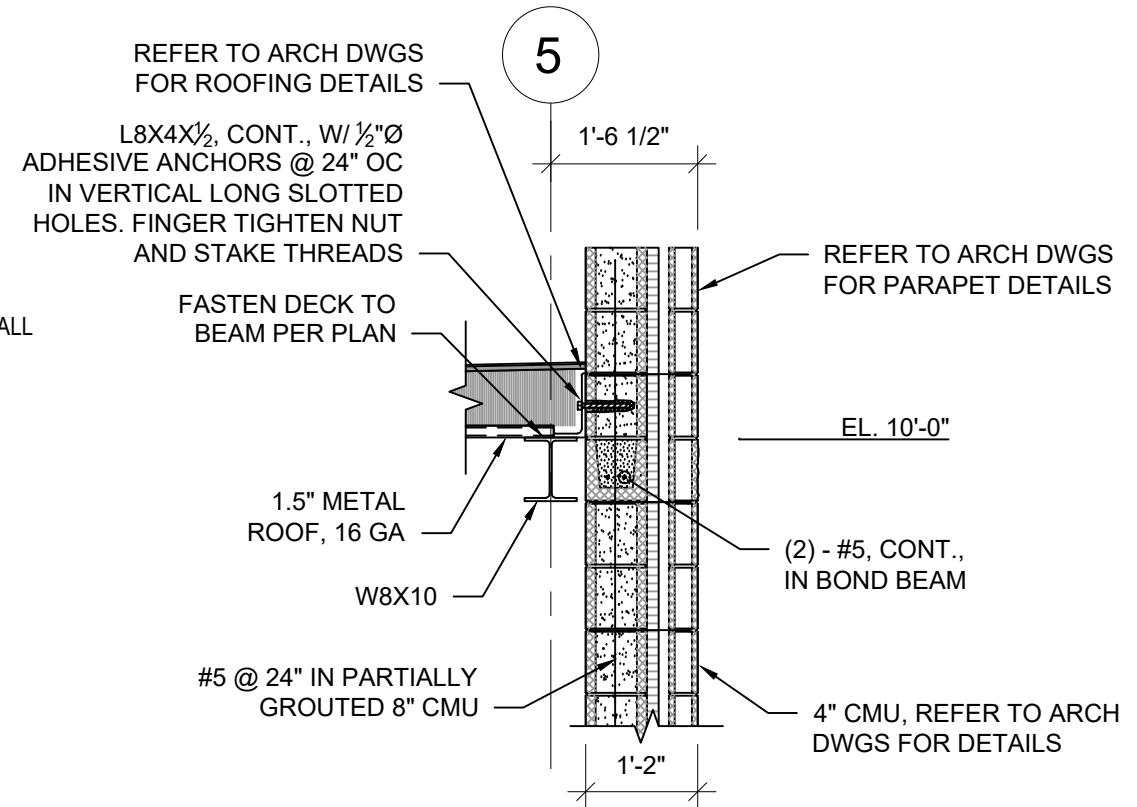
4 STRIP FOOTING AT INTERIOR WALL DETAIL
 $\frac{1}{2}" = 1'-0"$

60631225P	60631225C
CITY OF MADISON, DANE COUNTY, WI	CITY OF MADISON
STRUCTURAL DETAILS	BUS RAPID TRANSIT
DESIGNED BY: _____	DATE: 2022-03-08
REVISION: _____	SCALE: ---
MARK: _____	BY: _____
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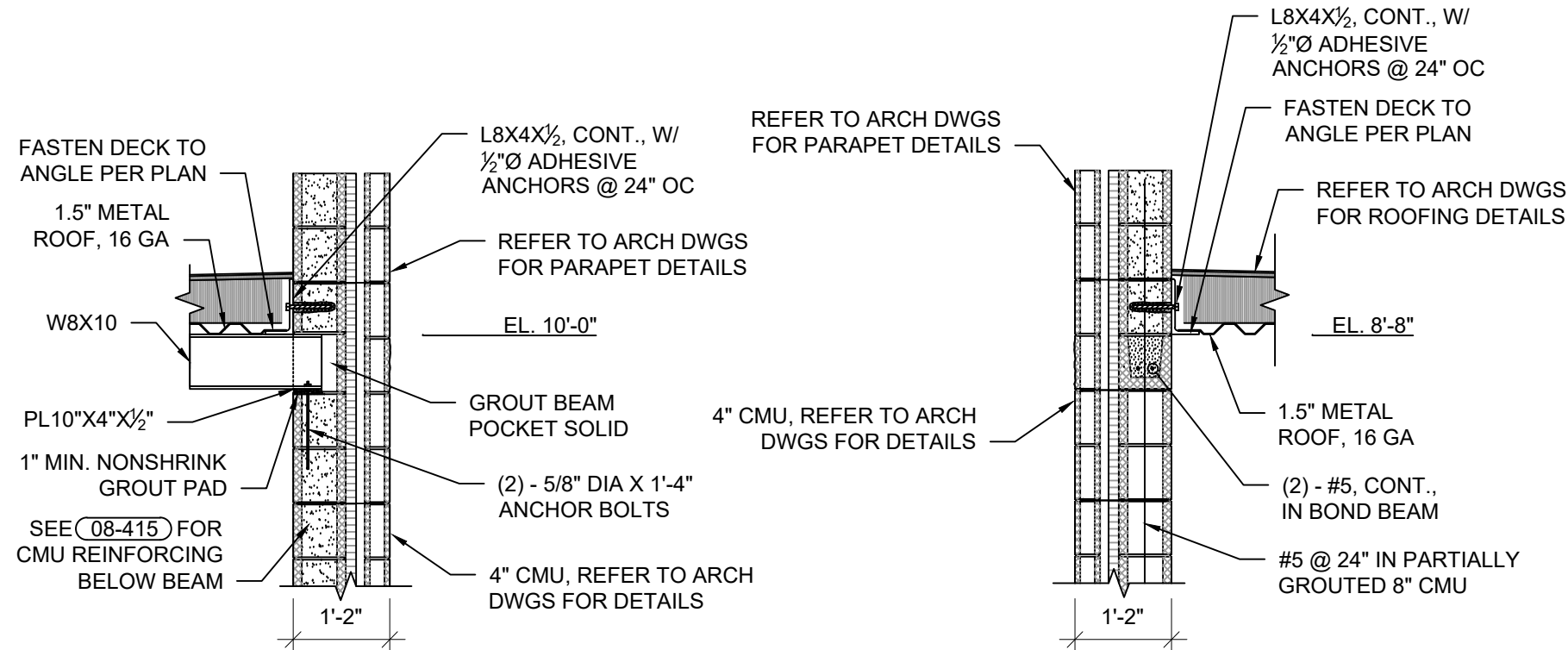


- NOTES 1/S401:
- ALL VERTICAL REINFORCING SHALL HAVE MATCHING DOWELS
 - REFER TO SHEET S001 FOR ADDITIONAL INFORMATION.

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

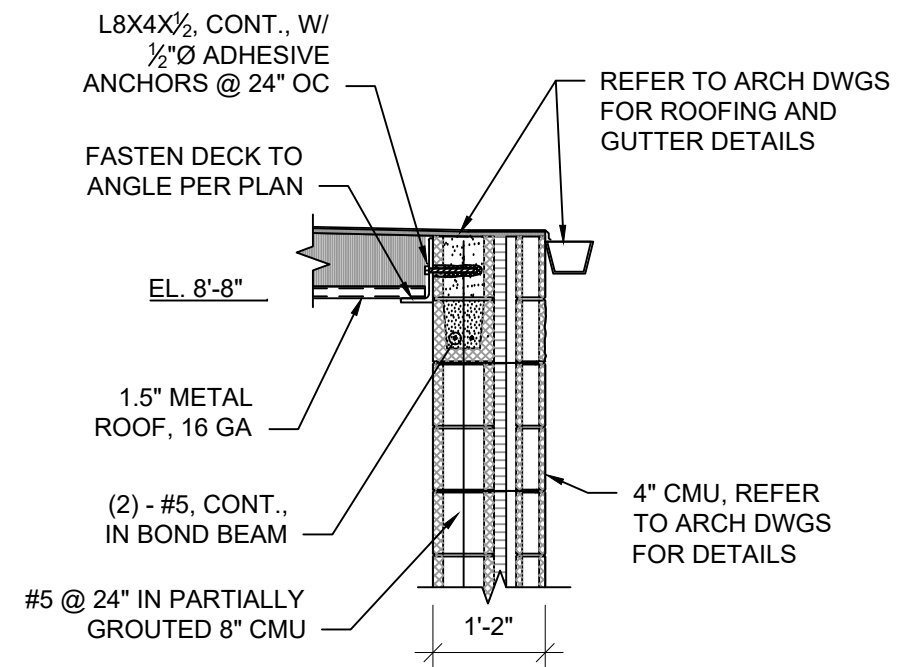


2 CMU WALL AT ROOF DETAIL
1/2" = 1'-0"



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

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

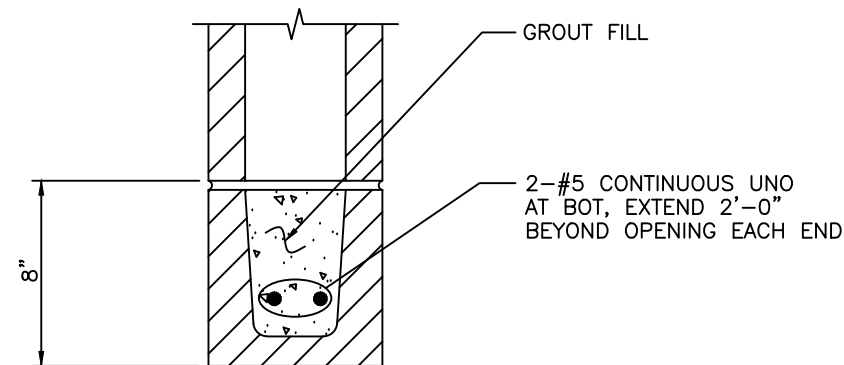


5 CMU WALL AT ROOF DETAIL
1/2" = 1'-0"

08-010

BAR SIZE IN—POUND	BAR SIZE METRIC mm	LAPPED SPLICE LENGTH		DEVELOPMENT LENGTH		STANDARD HOOK DEVELOPMENT LENGTH	COMPRESSION LAP LENGTH
		TOP BARS	OTHERS	TOP BARS	OTHERS		
3	10	25	19	19	15	6	12
4	13	33	25	25	19	7	15
5	16	41	31	31	24	9	19
6	19	49	37	37	29	11	23
7	22	71	54	54	42	12	27
8	25	81	62	62	48	14	30
9	29	91	70	70	54	15	34
10	32	101	78	78	60	17	38
11	36	111	85	85	66	19	42

1. TOP BARS ARE HORIZONTAL BARS SO PLACED THAT MORE THAN 12" OF CONCRETE IS CAST IN THE MEMBER BELOW THE BAR.
2. CTR TO CTR SPACING OF SPLICED BARS NOT TO EXCEED $1/5$ MIN LAP LENGTH OR 6 IN WHICHEVER IS LESS.
3. WHEN LAPPING TWO DIFFERENT SIZE BARS USE THE LAP LENGTH OF THE SMALLER BAR UNLESS NOTED OTHERWISE.
4. DEVELOPMENT LENGTH IS MINIMUM LENGTH OF EMBEDMENT FOR STRAIGHT DOWELS WHERE END HOOK IS NOT SHOWN, UNLESS OTHERWISE NOTED.
5. COMPRESSION LAP LENGTH FOR VERTICAL COLUMN BARS ONLY.
6. HOOKS SHALL BE ACI STANDARD UNLESS OTHERWISE NOTED.
7. $f'_c = 4,000$ PSI MIN
8. $f_y = 60,000$ PSI



8" HIGH LINTEL BEAM

TYPICAL LINTEL MASONRY BEAM DETAILS 08-442

The diagrams illustrate the reinforcement details for 90-degree corners and T-junctions. The top row shows 90-degree corners, and the bottom row shows T-junctions. Each diagram is labeled with the number of layers of corner reinforcement.

- 90° CORNER - 2 LAYERS:** This diagram shows a 90-degree corner with two layers of reinforcement. The corner reinforcement is shown as multiple layers of bars. A callout points to the corner reinforcement with the text: "SIZE AND SPACING OF CORNER REINF TO MATCH MAIN HORIZ REINF".
- 90° CORNER - 1 LAYER:** This diagram shows a 90-degree corner with one layer of reinforcement. The corner reinforcement is shown as a single layer of bars. A callout points to the corner reinforcement with the text: "SIZE AND SPACING OF CORNER REINF TO MATCH MAIN HORIZ REINF".
- T-INTERSECTION - 2 LAYERS:** This diagram shows a T-junction with two layers of reinforcement. The corner reinforcement is shown as multiple layers of bars. A callout points to the corner reinforcement with the text: "SIZE AND SPACING OF REINF TO MATCH MAIN HORIZ REINF".
- T-INTERSECTION - 1 LAYER:** This diagram shows a T-junction with one layer of reinforcement. The corner reinforcement is shown as a single layer of bars. A callout points to the corner reinforcement with the text: "SIZE AND SPACING OF REINF TO MATCH MAIN HORIZ REINF".

HORIZONTAL REINFORCEMENT DETAIL **08-030**

Technical drawing of a door threshold cross-section. The drawing shows the relationship between the interior floor, the exterior building face, and the exterior pavement. Key components and dimensions include:

- Interior Floor:** Labeled "T/ FLOOR". A vertical line indicates the "CENTERLINE OF DOOR".
- Exterior Building Face:** Labeled "EXTERIOR FACE OF BUILDING". A vertical line indicates the "1/2" SLOPE TO EXTERIOR".
- Threshold Assembly:**
 - A "1/2" PJF" (Preformed Joint Filler) is located between the interior floor and the threshold.
 - The threshold is reinforced with "#4@18" (Number 4 bars at 18 inches).
 - A "2" CLR" (2-inch clearance) is shown between the threshold and the exterior pavement.
 - The threshold is secured with "#4@12" (Number 4 bars at 12 inches).
 - A "1/2" PJF AT CONC PAVEMENT" is shown where the threshold meets the exterior pavement.
 - The exterior pavement is reinforced with "1-#5 T&B" (one Number 5 bar top and bottom).
- Drainage and Dimensions:**
 - A "4'-0" MIN FREE DRAINING FILL" is indicated below the threshold.
 - Horizontal dimensions of "4" and "8" are shown for the base of the threshold.
 - A vertical dimension of "1 1/4" /FT" (1 1/4 inches per foot) is shown for the slope of the exterior face.
 - A vertical dimension of "2" (2 inches) is shown for the height of the threshold above the exterior pavement.
 - A horizontal dimension of "8" (8 inches) is shown for the width of the threshold base.
- Notes:**
 - "NOTE: FREE DRAINING FILL MUST BE KEPT CLEAN UNTIL SLAB IS POURED."
 - "WIDTH AS NOTED AND MIN WIDTH OF FREE DRAINING FILL"

APPROACH SLAB DETAIL **08-365**

Diagram illustrating the application of sealant over the backer rod in a preformed control joint key. The diagram shows a cross-section of a concrete slab with a preformed control joint key. The key is filled with a backer rod, and sealant is applied over the backer rod on each face. The sealant is applied in a continuous bead, ensuring a watertight seal. The diagram also indicates the required joint keep clearance: 3/8" JOINT KEEP CLEAN OF MORTAR.

CMU CONTROL JOINT DETAIL 08-430

BEAM AS NOTED

FILL WITH SOLID MASONRY AFTER PLACING BEAM

3/16

2" TYP

BEARING PLATE IF NOTED

2-#4 X 4'-0" GROUT BLOCK SOLID

1" MIN NONSHRINK GROUT

2-5/8" DIA X 1'-4" ANCHOR BOLTS

REINF IF NOTED FULL HEIGHT

FILL CORES BENEATH BEARING WITH MASONRY GROUT FULL HEIGHT

PERPENDICULAR TO WALL

BEAM SEAT DETAIL **08-415**

S900	CITY OF MADISON WISCONSIN	BUS RAPID TRANSIT	CITY OF MADISON, DANE COUNTY, WI	60631225P
		STANDARD STRUCTURAL DETAILS		
		CITY OF MADISON		
		CONTRACT NO : 60631225C		
		Designed By:		
		Date :	2022-03-08	Scale: ---
		MARK		
		REV/VERSION		
		DATE		
		BY		

ABBREVIATIONS

A	AIR
AC	AIR COMPRESSOR
AFF	ABOVE FINISHED FLOOR
BDD	BACK DRAFT DAMPER
BOD	BOTTOM OF DUCT
BOF	BOTTOM OF FAN
BOH	BOTTOM OF HEATER
BOL	BOTTOM OF LOUVER
CAL	COMBUSTION AIR LOUVER
CD	CEILING DIFFUSER
CF	CEILING FAN
CUH	CABINET HEATER
CP	CIRCULATING PUMP (DOMESTIC HOT WATER)
DG	DOOR GRILLE
DFU	DRAINAGE FIXTURE UNITS
DV	DRAIN VALVE
EAL	EXHAUST AIR LOUVER
EG	EXHAUST GRILLE
EH	EXHAUST HOOD
ER	EXHAUST REGISTER
ESP	EXTERNAL STATIC PRESSURE
EW C	ELECTRIC WATER COOLER
FCU	FAN COIL UNIT
FVD	FRP VOLUME DAMPER
H&C	HOT AND COLD WATER
HRU	HEAT RECOVERY UNIT
HVU	HEATING & VENTILATING UNIT
HWA	HIGH WATER ALARM
HWL	HIGH WATER LEVEL
IH	INTAKE HOOD
LD	LINEAR DIFFUSER
LG	LINEAR GRILLE
LH	LOUVER HOUSING
MAU	MAKE-UP AIR UNIT
MB	MOP BASIN
MOD	MOTOR OPERATED DAMPER
OAL	OUTDOOR AIR LOUVER
P	PUMP
RA	RETURN AIR
RAL	RETURN AIR LOUVER
RG	RETURN GRILLE
RH	RELIEF HOOD
RTU	ROOF TOP UNIT
SD	SMOKE DAMPER
SG	SUPPLY GRILLE
SP	SUMP PUMP
SPD	SUMP PUMP DISCHARGE
SR	SUPPLY REGISTER
SS	SAMPLE SINK
TCP	TEMPERATURE CONTROL PANEL
TD	TRANSFER DUCT
TG	TRANSFER GRILLE
TOD	TOP OF DUCT
TSP	TOTAL STATIC PRESSURE
TW	TEPID WATER
U	URINAL
VD	VOLUME DAMPER (MANUAL)
VTR	VENT THROUGH ROOF
WSFU	WATER SUPPLY FIXTURE UNITS

PIPE SYMBOLS

	ABOVE GRADE
	COLD WATER (W1)
	BELOW GRADE
	COLD WATER (W1)
	ABOVE GRADE
	HOT WATER (W1)
	ABOVE GRADE
	HOT WATER RETURN (W1)
DI	DEIONIZED WATER
CSW	ABOVE GRADE
	COLD SOFT WATER (W1)
HSW	ABOVE GRADE
	HOT SOFT WATER (W1)
W2	ABOVE GRADE
	SERVICE WATER-COLD (W2)
W2	BELOW GRADE
	SERVICE WATER-COLD (W2)
W3	ABOVE GRADE
	FLUSHING WATER (W3)
W3	BELOW GRADE
	FLUSHING WATER (W3)
RD	ABOVE GRADE
	STORM WATER
RD	BELOW GRADE
	STORM WATER
	ABOVE GRADE
	DRAIN PIPE
	BELOW GRADE
	SANITARY SEWER
	ABOVE GRADE VENT
	BELOW GRADE VENT
AR	ABOVE GRADE SANITARY SEWER
	(ACID RESISTANT)
AR	BELOW GRADE SANITARY SEWER
	(ACID RESISTANT)
AR	ABOVE GRADE VENT
	(ACID RESISTANT)
AR	BELOW GRADE VENT
	(ACID RESISTANT)
SPD	SUMP PUMP DISCHARGE
V	VACUUM
G	NATURAL GAS
A	COMPRESSED AIR
HS	HOT WATER HEATING SUPPLY
HR	HOT WATER HEATING RETURN
CD	CONDENSATE DRAIN
E	EXPANSION TANK LINE
ACE	ACETYLENE GAS
ARG	ARGON GAS
NIT	NITROUS OXIDE
	CONNECTION POINT

PIPE SYMBOLS (CONT.)

BBD	BOILER BLOW DOWN
CP	CONDENSATE PUMP DISCHARGE
HPS	HIGH PRESSURE STEAM
MPS	MEDIUM PRESSURE STEAM
LPS	LOW PRESSURE STEAM
HPR	HIGH PRESSURE RETURN
MPR	MEDIUM PRESSURE RETURN
LPR	LOW PRESSURE RETURN

PIPE SPECIALTIES (GENERAL)

	ELBOW
	TEE
	ELBOW UP
	ELBOW DOWN
	CONNECTION TOP
	CONNECTION BOTTOM
	UNION
	PITCH ARROW-DOWN
	FLOW DIRECTION
	ECCENTRIC REDUCER
	CONCENTRIC REDUCER
	PIPE CAP
	BLIND FLANGE
	PLUG

PIPE SPECIALTIES (PLUMBING)

	FIRE HYDRANT
FD	FLOOR DRAIN
RD	ROOF DRAIN
CO	FLOOR CLEANOUT
	SANITARY VENT
AV	SANITARY VENT (ACID)

TEMPERATURE CONTROL SYMBOLS

TCP	TEMPERATURE CONTROL PANEL
T	THERMOSTAT - ELECTRIC
T	THERMOSTAT - PNUEMATIC
H	HUMIDISTAT
S	SMOKE DETECTOR
H-O-A	HAND-OFF-AUTO
F-O-H	FAN-OFF-HEAT

PIPE SPECIALTIES (HVAC)

	GUIDE
	ANCHOR
F	FLOW MEASURING DEVICE
	THERMOSTATIC TRAP
	FLOAT & THERMOSTATIC TRAP
	BUCKET TRAP
	EXPANSION COMPENSATOR
	FLEXIBLE CONNECTOR
	HOT WATER CIRCULATION PUMP
	FLOW SWITCH
	PRESSURE SWITCH
	AIR VENT
	THERMOMETER
	PRESSURE GAUGE

VALVE SYMBOLS

	WATER MAIN VALVE
WH	WALL HYDRANT (NON-FREEZE)
HB	HOSE BIBB
	GAS COCK
	GAUGE COCK
	PRESSURE REGULATING VALVE
	BALL VALVE
	GATE VALVE
	CHECK VALVE
	BUTTERFLY VALVE
	PLUG VALVE
	CALIBRATED BALANCE VALVE
	MODULATING 3-WAY VALVE
	SOLENOID VALVE
	MODULATING 2-WAY VALVE
	GLOBE VALVE
	STRAINER
PRS	PRESSURE REDUCING STATION (ASSEMBLY)
	RELIEF VALVE (PRESSURE OR VACUUM)

DUCTWORK SYMBOLS

	POSITIVE PRESSURE AIR DUCT RISE
	POSITIVE PRESSURE AIR DUCT DROP
	NEGATIVE PRESSURE AIR DUCT RISE
	NEGATIVE PRESSURE AIR DUCT DROP
	FLEXIBLE CONNECTION
MOD	MOTOR OPERATED DAMPER
VD	MANUAL VOLUME DAMPER
	SMOKE DAMPER
F1	FIRE DAMPER (HORI. POSITION) 1 1/2 HOUR (F1), 3 HOUR (F3)
F1	FIRE DAMPER (VERT. POSITION) 1 1/2 HOUR (F1), 3 HOUR (F3)
	INTERNAL ACOUSTICAL INSULATION
	EXTERNAL INSULATION
	TURNING VANES
	AIR EXTRACTOR
	SPLITTER DAMPER
24"X 6"DG-	DOOR GRILLE OF TYPE, SIZE, AND CAPACITY INDICATED
12"X 12"RR-	SIDEWALL REGISTER OF TYPE, SIZE, AND CAPACITY INDICATED
12"X 12"RG-	CEILING GRILLE OF TYPE, SIZE, AND CAPACITY INDICATED
12"X 12"SD-	RECTANGULAR CEILING DIFFUSER OF TYPE, SIZE, AND CAPACITY INDICATED
12" - SD-	ROUND CEILING DIFFUSER OF TYPE, SIZE, AND CAPACITY INDICATED
	FLEXIBLE DUCT
R	CHANGE OF ELEVATION RISE (R), DROP (D)

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

60631225P

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

MECHANICAL ABBREVIATIONS AND SYMBOLS

BUS RAPID TRANSIT

CITY OF MADISON



G020

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			HP	VOLT	PH	HZ	RPM			
EF-1	SQ-160-A	INLINE CENTRIFUGAL	4,000	1.00	1.54	1,650	DIRECT	2.00	460	3	60	1,725	74	160	SSS,XL
EF-2	FANTECH FG 6	INLINE CENTRIFUGAL	75	0.20	-	2,703	DIRECT	0.25	120	1	60	2,703	55	80	SSS,XL
SF-1	SQ-160-A	INLINE CENTRIFUGAL	3,957	1.31	1.80	1,725	DIRECT	2.00	460	3	60	1,725	75	177	SSS,XL

SSS = STAINLESS STEEL SHAFT, XL = EXTENDED LUBRICATION LINES

ELECTRIC UNIT HEATER SCHEDULE													
TAG NO.	MANUFACTURER MODEL NO. OR EQUAL	TYPE	HEAT OUTPUT (MBH)	MOUNTING HEIGHT (FT)	AIR DATA			ELECTRICAL DATA					REMARKS
					AIR FLOW (CFM)	THROW (FT)	TEMP. RISE (°F)	KW	VOLT	PHASE	HZ	AMPS	
EUH-1	QMARK CWH3508F	FORCED WALL HEATER	16	7.0	100	-	-	7.5	208	1	60	23.1	DS, SFS
EUH-2	QMARK CWH34083F	FORCED WALL HEATER	13	7.0	100	-	-	7.5	208	3	60	11.1	DS, SFS

DS = INTEGRAL DISCONNECT SWITCH, **SFS** = SUMMER FAN SWITCH

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
SG-1	TITUS 300R	SUPPLY	2,000	24x22	26x24	0.111	30	WHITE	ALUMINUM	SURFACE	DD
SG-2	TITUS 300R	SUPPLY	75	8x8	10x10	0.006	20	WHITE	ALUMINUM	SURFACE	DD
EG-1	TITUS 350R	RETURN	75	8x8	10x10	0.002	20	WHITE	ALUMINUM	SURFACE	DD

DD = DOUBLE DEFLECTION, SDFB = SINGLE DEFLECTION FIXED BLADE

WALL LOUVER SCHEDULE										
TAG NO.	MANUFACTURER MODEL NO. OR EQUIAL	SERVICE	AIR FLOW (CFM)	WIDTH (INCHES)	HEIGHT (INCHES)	BLADE DEPTH (INCHES)	MAX APD (IN VPD)	MAX FACE VELOCITY (FPM)	FRAME TYPE	REMARKS
L-1	RUSKIN ELF6350DMP	SUPPLY	4,000	24	48	6	0.10	839	CHANNEL	AL
L-2	RUSKIN ELF6375DXH	EX-HAUST	4,000	72	18	6	0.14	989	CHANNEL	AL
L-3	FANTECH COM6P	SUPPLY	75	10	10	4	-	216	CHANNEL	AL,BS

AL = ALUMINUM CONSTRUCTION, BS = ALUMINUM BIRD SCREEN

CONTROL DAMPER SCHEDULE										
TAG NO.	MANUFACTURER MODEL NO. OR EQUAL	WIDTH (IN)	HEIGHT (IN)	AIR TYPE	BLADE TYPE	CONTROL TYPE	FAIL POSITION	RELATED LOUVER	RELATED SYSTEM	REMARKS
CD-1	RUSKIN CD-50	24	24	OUTDOOR	OPPOSED	2 POSITION	OPEN	L-1	SF-1	AL
CD-2	RUSKIN CD-50	72	18	EXHAUST	OPPOSED	2 POSITION	OPEN	L-2	EF-1	AL
CD-3	RUSKIN CD-50	6	6	OUTDOOR	OPPOSED	2 POSITION	OPEN	L-3	-	AL
CD-4	RUSKIN CD-50	6	6	EXHAUST	OPPOSED	2 POSITION	OPEN	-	EF-2	AL

AL = ALUMINUM, EXA = EXPLOSION PROOF ACTUATOR, INS = INSULATED, TB = THERMAL BREAK

EXTERIOR DESIGN TEMPERATURE SCHEDULE						
DESCRIPTION	SEASON	TYPE	DRY BULB (°F)	WET BULB (°F)	FREQUENCY EXCEEDED (%)	REMARKS
OUTDOOR AIR	WINTER	MINIMUM	-6.3	---	99.6	2017 ASHRAE VALUE
OUTDOOR AIR	SUMMER	MAXIMUM	89.4	74.1	0.4	2017 ASHRAE VALUE

INTERIOR DESIGN CRITERIA SCHEDULE					
AREA	SYSTEM(S)	TEMPERATURES		SUPPLY AIR CIRCULATION RATE (GROSS) (ACH)	REMARKS
		HEATING MINIMUM	COOLING MAXIMUM		
		DRY BULB (°F)	DRY BULB (°F)		
COMFORT 101	EF, EUH, UC	55	85	-	
COMFORT 102	EF, EUH, UC	55	85	-	
ELECTRICAL ROOM	EF, EUH, SF, UC	60	95	60	

EF = EXHAUST FAN, EUH = ELECTRIC UNIT HEATER
SF = FILTERED SUPPLY FAN, UC = UNTEMPERED COOLING

MARK	REVISION	DATE	BY
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000000	000000	000000	000000
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60631225P

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

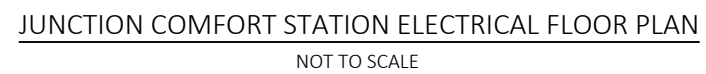
MECHANICAL SCHEDULES

BUS RAPID TRANSIT

CITY OF MADISON

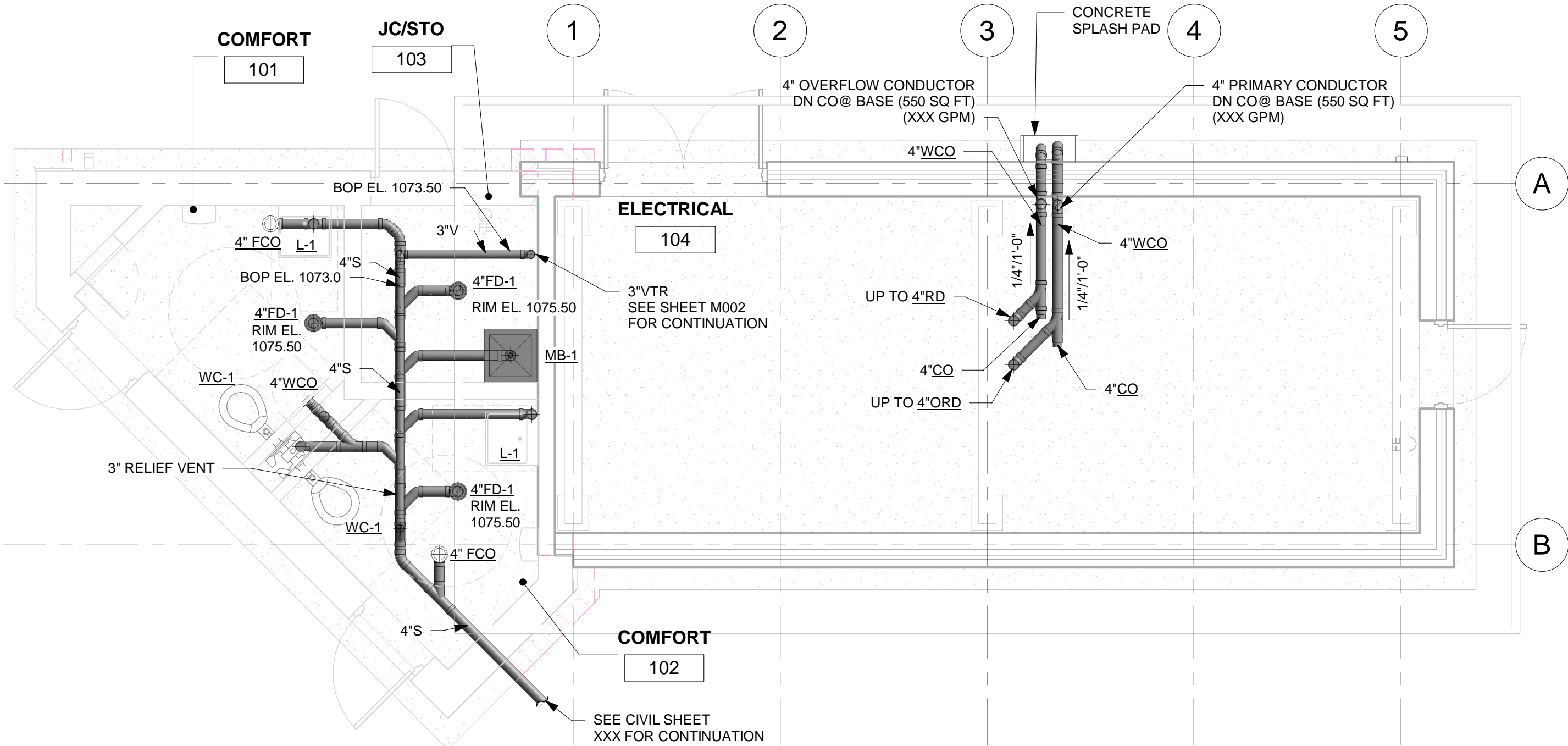


M601



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 OF FLOOR SHOWN IN COMFORT (101 & 102) ROOM AND JC/STORAGE (103) ROOM.
- 3. PIPING SHOWN IN ELECTRICAL 104 IS AT CEILING LEVEL OF FLOOR BELOW AND NOT ON ROOF.



1 OVERALL SANITARY FLOOR PLAN
1/4" = 1'-0"

MARK	REVISION	DATE	BY

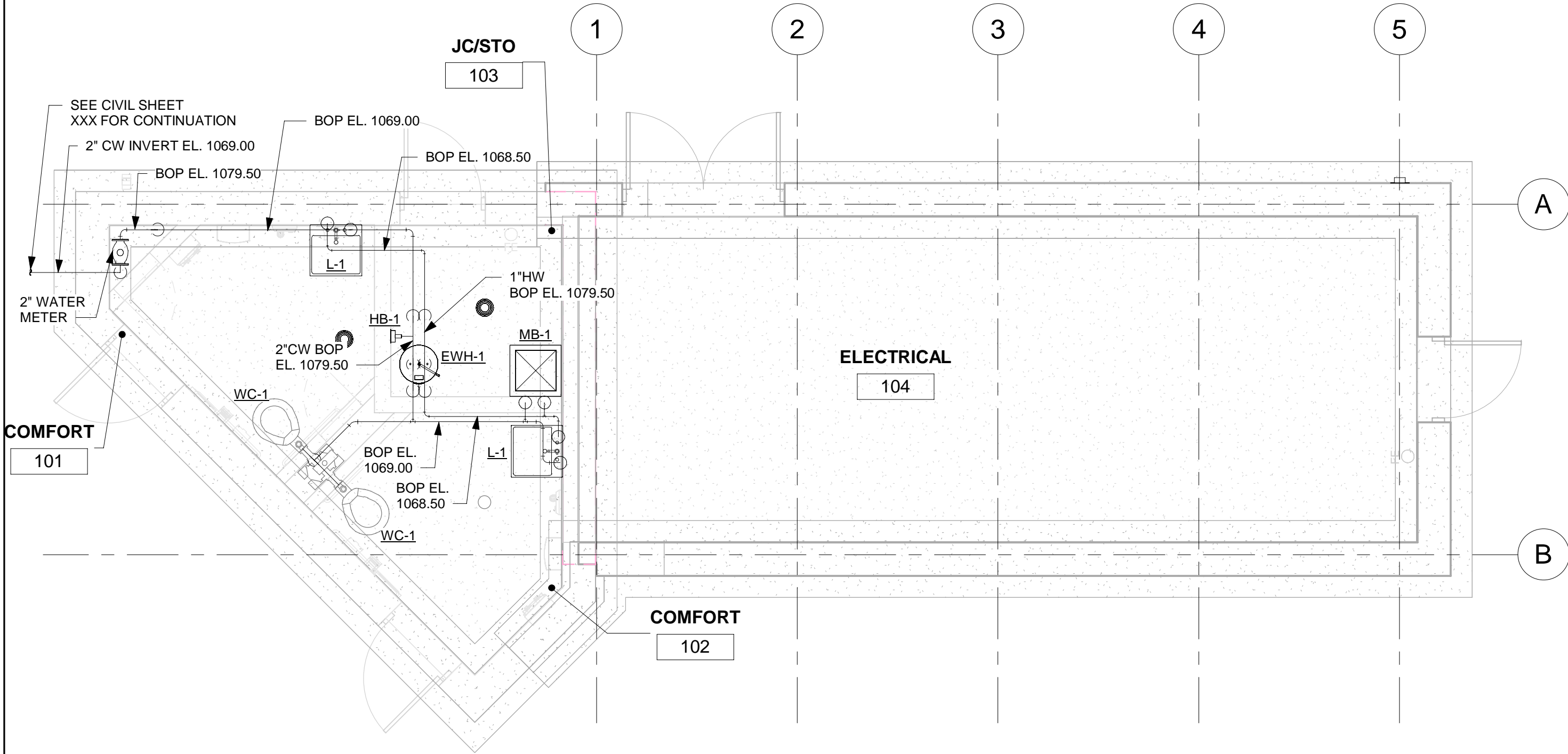
60631225P
CITY OF MADISON, DANE COUNTY, WI
CONTRACT NO: 60631225C

OVERALL SANITARY/VENT FLOOR PLAN
BUS RAPID TRANSIT
CITY OF MADISON



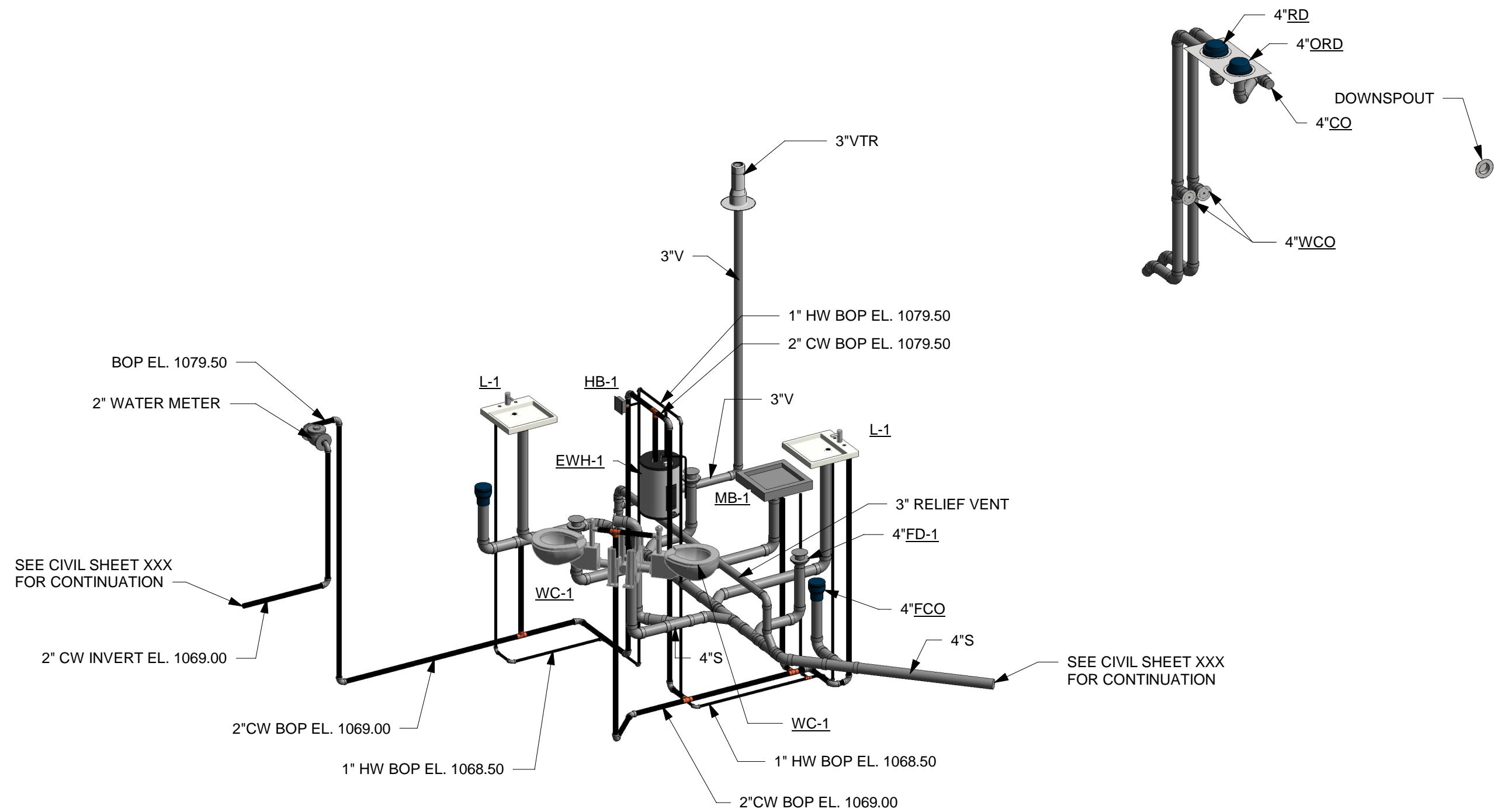
GENERAL NOTES

- 1. PLUMBING FIXTURES AND PIPING TO BE FURNISHED AND INSTALLED AS PART OF THE RESTROOM FACILIITY.



1 OVERALL WATER FLOOR PLAN
1/4" = 1'-0"

60631225P	60631225C
CITY OF MADISON, DANE COUNTY, WI	CITY OF MADISON
BUS RAPID TRANSIT	
OVERALL WATER FLOOR PLAN	
P002	
MARK	DESIGNED BY
REVISION	DATE
DATE	BY
Scale: --	



1 PLUMBING ISOMETRIC

MARK	REVISION	DATE	BY
REV 001		2022-03-08	
REV 002		2022-03-08	
REV 003		2022-03-08	
REV 004		2022-03-08	