



Department of Public Works  
**Engineering Division**  
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 Fax: (608) 264-9275  
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**Principal Architect 2**  
 Bryan Cooper, AIA  
**Principal Engineer 2**  
 John S. Fahrney, P.E.  
 Chris Petykowski, P.E.  
 Janet Schmidt, P.E.  
**Principal Engineer 1**  
 Christina M. Bachmann, P.E.  
 Mark D. Moder, P.E.  
 James M. Wolfe, P.E.  
**Financial Manager**  
 Steven B. Danner-Rivers

February 9, 2024

NOTICE OF PLAN REVISION  
 PLAN REVISION NO. 10  
 CONTRACT NO. 8716

EAST-WEST BUS RAPID TRANSIT IMPROVEMENT

Revise and amend the contract document(s) for the above project as stated in this plan revision, otherwise, the original document shall remain in effect.

**SPECIFICATIONS:**

**REVISE: ARTICLE 11-6 PLATFORM SHELTER TYPE A1, ITEM SPV.0060.417; PLATFORM SHELTER TYPE A2, ITEM SPV.0060.418; PLATFORM SHELTER TYPE A3, ITEM SPV.0060.419; PLATFORM SHELTER TYPE A4, ITEM SPV.0060.420; PLATFORM SHELTER TYPE A5, ITEM SPV.0060.421; PLATFORM SHELTER TYPE A6, ITEM SPV.0060.422; PLATFORM SHELTER TYPE A7, ITEM SPV.0060.423; PLATFORM SHELTER TYPE B1, ITEM SPV.0060.425; PLATFORM SHELTER TYPE B2, ITEM SPV.0060.426; PLATFORM SHELTER TYPE C, ITEM SPV.0060.429, SECTION E AS FOLLOWS:**

**E Payment**

The City of Madison will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.417	Platform Shelter Type A1	EACH
SPV.0060.418	Platform Shelter Type A2	EACH
SPV.0060.419	Platform Shelter Type A3	EACH
SPV.0060.420	Platform Shelter Type A4	EACH
SPV.0060.421	Platform Shelter Type A5	EACH
SPV.0060.422	Platform Shelter Type A6	EACH
SPV.0060.423	Platform Shelter Type A7	EACH
SPV.0060.425	Platform Shelter Type B1	EACH
SPV.0060.426	Platform Shelter Type B2	EACH
SPV.0060.429	Platform Shelter Type C	EACH

Payment is full compensation for all materials, labor and incidentals for constructing the shelter, including canopy, heaters, lean rails, benches, crescent wall, planter, platform signage, trash cans, light fixtures, PA system, audio speaker pushbutton, braille signage, low-voltage communication/data cables, and bird control devices in accordance with the drawings and as set forth in these specifications. Security cameras, real time signs, antenna, modem/router, network switch and DVR provided by others and installed as part of this Platform

Shelter bid item. Final connection (electrical termination) of low-voltage communication/data cables and power conductors/cables, except for the TVM (by others), included in payment of the Platform Shelter bid items. Electrical and communications cabinet, pedestrian handrail, and fare vending machine (by others) not included in payment of the Platform Shelter bid items. Include braille signage and mounting details for PA, real time signage, braille signage and security camera systems auxiliary components with shop drawing submittals.

**PLANS:**

**REMOVE AND INSERT REVISED PLAN SHEETS AS NOTED BELOW.**

**Plan Set 4**

SHEET E-1A (REV 02/08/2024): Removed one camera. Revised cameras and push button locations. Added data cabling.

SHEET E-1B (REV 02/08/2024): Added data cabling.

SHEET E-1C (REV 02/08/2024): Revised push button location. Added data cabling. Updated plans to show cabinet behind shelter.

SHEET E-1D (REV 02/08/2024): Removed two cameras. Revised cameras and push button location. Added data cabling. Moved heater.

SHEET E-1E (REV 02/08/2024): Revised push button location. Added data cabling.

SHEET E-1F (REV 02/08/2024): Removed one camera. Revised camera locations. Added callout for heater push button and added data cabling.

SHEET E-1K (REV 02/08/2024): Revised cabinet heater breaker size.

**Plan Set 10**

SHEET A110 (REV 02/08/2024): Removed one camera. Revised camera locations.

SHEET A111 (REV 02/08/2024): Removed one camera. Revised camera locations.

SHEET A115 (REV 02/08/2024): Removed one camera. Revised camera locations.

SHEET A116 (REV 02/08/2024): Revised push button location.

SHEET A117 (REV 02/08/2024): Removed one camera. Revised camera locations.

SHEET A119 (REV 02/08/2024): Removed two cameras. Revised camera and heater locations.

SHEET A121 (REV 02/08/2024): Removed two cameras. Revised camera and heater locations.

SHEET A122 (REV 02/08/2024): Revised push button location.

SHEET A201 (REV 02/08/2024): Revised heater locations. Added callout for heater mounting height as previously coordinated. Revised blade sign locations.

SHEET A202 (REV 02/08/2024): Revised heater locations. Added callout for heater mounting height as previously coordinated. Added blade sign locations.

SHEET A203 (REV 02/08/2024): Added callout for heater mounting height as previously coordinated. Added blade sign location.

SHEET A204 (REV 02/08/2024): Added callout for heater mounting height as previously coordinated. Added blade sign location.

SHEET A206 (REV 02/08/2024): Revised heater locations. Added callout for heater mounting height as previously coordinated. Added blade sign locations.

SHEET A207 (REV 02/08/2024): Added callout for heater mounting height as previously coordinated. Added blade sign location.

SHEET A208 (REV 02/08/2024): Revised heater locations. Added callout for heater mounting height as previously coordinated. Added blade sign locations.

SHEET A210 (REV 02/08/2024): Revised heater locations. Added callout for heater mounting height as previously coordinated. Added blade sign locations.

SHEET A212 (REV 02/08/2024): Revised heater locations. Added callout for heater mounting height as previously coordinated. Added blade sign locations.

SHEET A213 (REV 02/08/2024): Added callout for heater mounting height as previously coordinated. Added blade sign location.

SHEET A300 (REV 02/08/2024): Removed one camera. Removed push button callout.

SHEET A301 (REV 02/08/2024): Removed cameras.

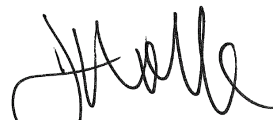
SHEET A302 (REV 02/08/2024): Added callout for heater mounting height as previously coordinated. Added blade sign locations. Added callout for heater push button.

SHEET A416 (REV 02/08/2024): Added conduit and cover for push buttons.

**PROPOSAL:**

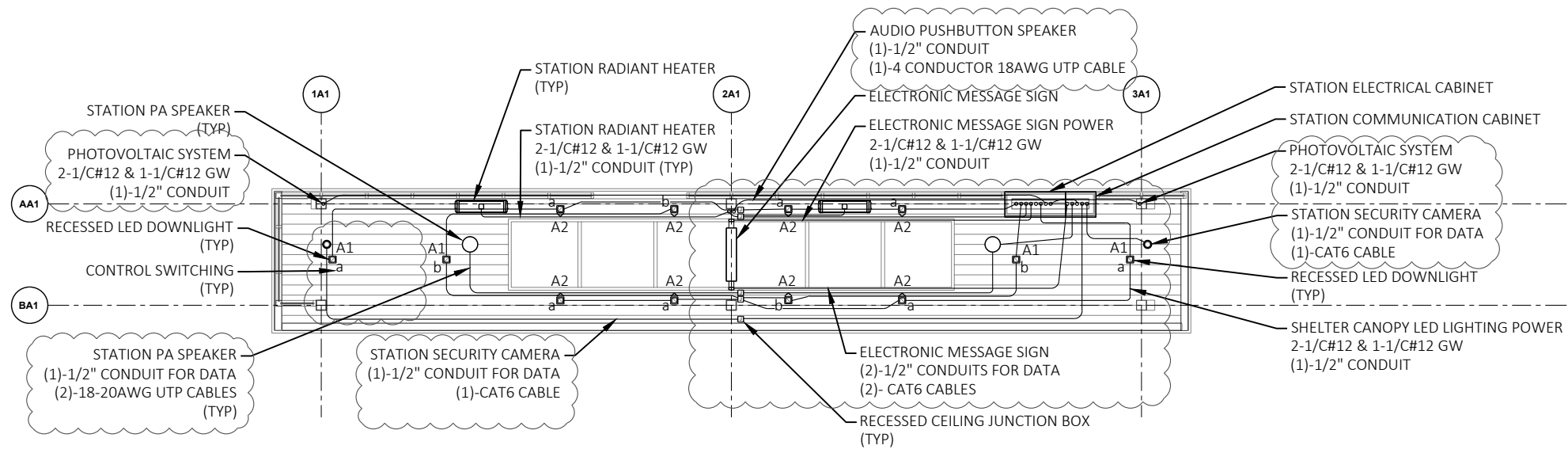
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Sincerely,

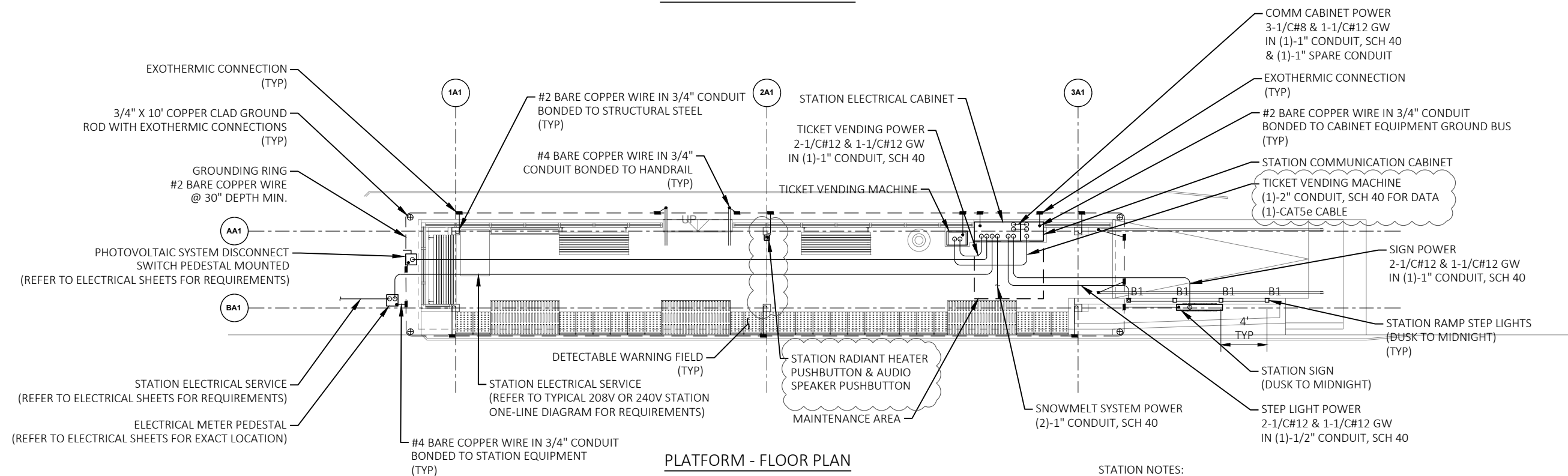


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Jim Wolfe  
City Engineer



PLATFORM - CEILING PLAN



PLATFORM - FLOOR PLAN

TYPICAL CURBSIDE STATION PLATFORM ELECTRICAL DETAILS

(TYPE "A1,A2,A5, & A7" PLATFORMS)

- STATION NOTES:
- COORDINATE CONDUIT INSTALLATION FOR STATION EQUIPMENT WITH EQUIPMENT MANUFACTURER AND MASON CONTRACTOR.
  - ELECTRICAL DETAILS AND CONDUIT ROUTING SHOWN ARE DIAGRAMMATIC FOR CLARITY AND INTENDED TO SHOW DESIGN INTENT. COORDINATE EXACT LOCATIONS AND ROUTING OF EQUIPMENT WITH THE ARCHITECTURAL PLANS.
  - CONDUIT INSTALLED WITHIN SHELTER CEILING SPACE TO BE EMT OR FMC.
  - J-BOXES INSTALLED IN SHELTER CEILING TO BE FLUSH MOUNTED, 2-GANG, WEATHERPROOF DEEP BOX WITH BLANK COVER. PAINT COVER A MATTE BLACK FINISH.
  - FLUSH MOUNT RADIANT HEATER & AUDIO SPEAKER PUSHBUTTON CONTROLS IN METAL COLUMN CONDUIT COVER. MOUNT HEATER CONTROL BELOW AUDIO SPEAKER CONTROL. LOCATE BETWEEN 34"-48" A.F.F.
  - REFER TO ARCHITECTURAL DRAWINGS FOR SHELTER CEILING LIGHTING PLACEMENT DIMENSIONS.
  - PROVIDE A MINIMUM OF 2' SPARE OF THE GROUND BONDING CONDUCTOR FOR CONNECTION TO STATION EQUIPMENT, STRUCTURAL STEEL, HANDRAILS, ETC.
  - PROVIDE 20A, 120V GFI CIRCUIT FOR HARDWIRED CONNECTION TO OVERFLOW DRAIN HEAT TRACE.

ABBREVIATIONS

- AFF ABOVE FINISHED FLOOR
- FMC FLEXIBLE METAL CONDUIT
- GW EQUIPMENT GROUNDING CONDUCTOR
- MC METAL CLAD
- MIN MINIMUM
- SCH SCHEDULE
- TYP TYPICAL
- UNO UNLESS NOTED OTHERWISE

REVISED 02/08/24 RJS

60631225P	PLAN REVISION 10	02/08/24	RJS
	PLAN REVISION 3	04/24/23	AE
	REVISION	DATE	BY
	Designed By: AECOM	Date: 2024-02-08	Scale: 1 IN=10 FT
	60631225P		

ELECTRICAL DETAILS

BUS RAPID TRANSIT

CITY OF MADISON

CITY OF MADISON, DANE COUNTY, WI

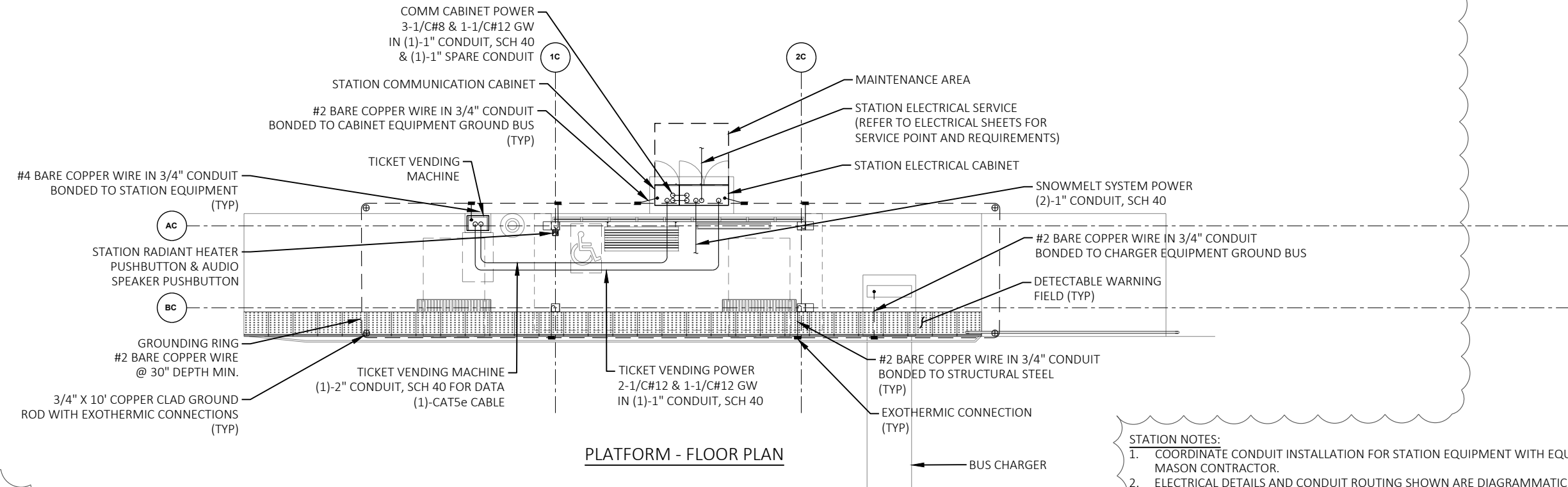
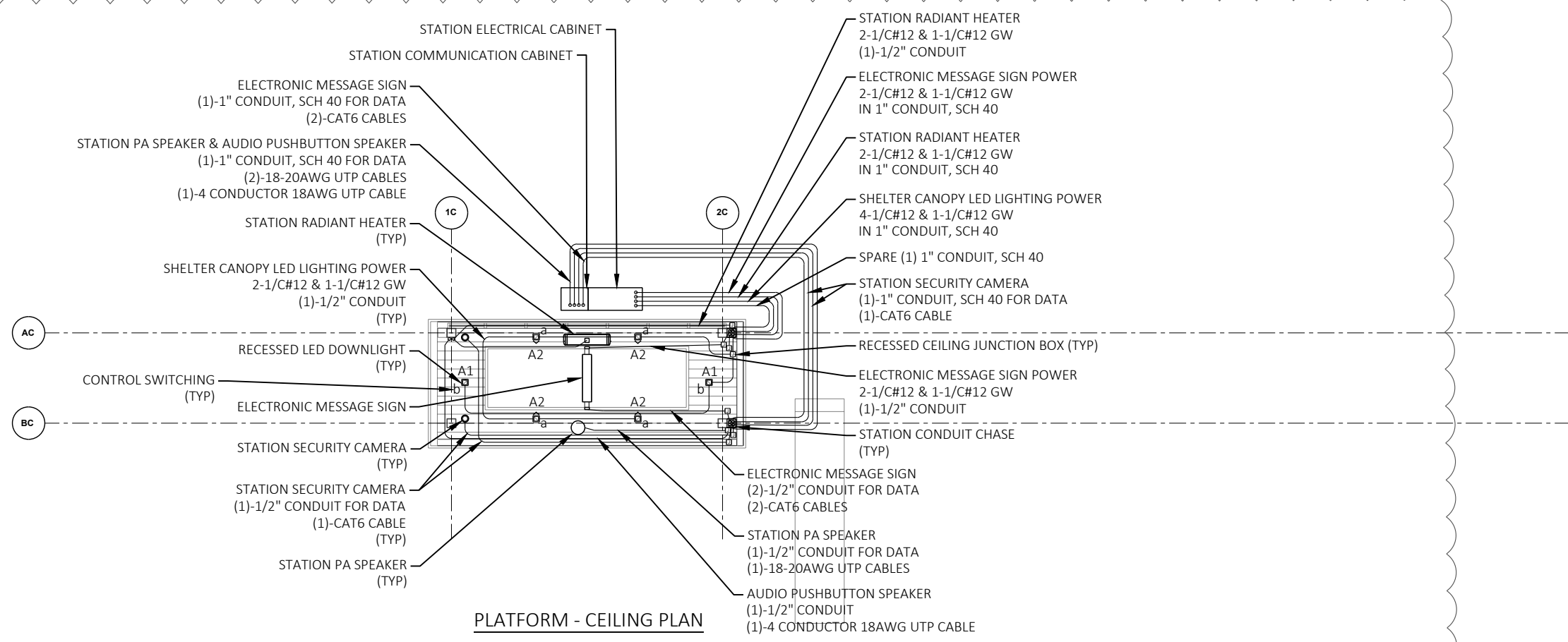
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LAYOUT NAME: - 01  
LAST PLOT DATE: - 2024-02-08

60631225P

E-1A





**TYPICAL CURBSIDE STATION PLATFORM ELECTRICAL DETAILS**  
(TYPE "A6" PLATFORM)

- STATION NOTES:**
- COORDINATE CONDUIT INSTALLATION FOR STATION EQUIPMENT WITH EQUIPMENT MANUFACTURER AND MASON CONTRACTOR.
  - ELECTRICAL DETAILS AND CONDUIT ROUTING SHOWN ARE DIAGRAMMATIC FOR CLARITY AND INTENDED TO SHOW DESIGN INTENT. COORDINATE EXACT LOCATIONS AND ROUTING OF EQUIPMENT WITH THE ARCHITECTURAL PLANS.
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REVISED 02/08/24 RJS

SHEET 3 OF 18

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

ELECTRICAL DETAILS  
BUS RAPID TRANSIT  
CITY OF MADISON

60631225P  
E-1C

PLAN REVISION 10	02/08/24	RJS
PLAN REVISION 3	04/24/23	AE
REVISION	2024-02-08	BY

Scale: 1 IN=10 FT  
Designed By: AECOM/Date: 2024-02-08  
60631225P

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LAST PLOT DATE: - 2024-02-08



PLAN REVISION 10	RJS	02/08/24
PLAN REVISION 4	AE	05/10/23
PLAN REVISION 3	AE	04/24/23
REVISION	AE	DATE
MARK	BY	DATE

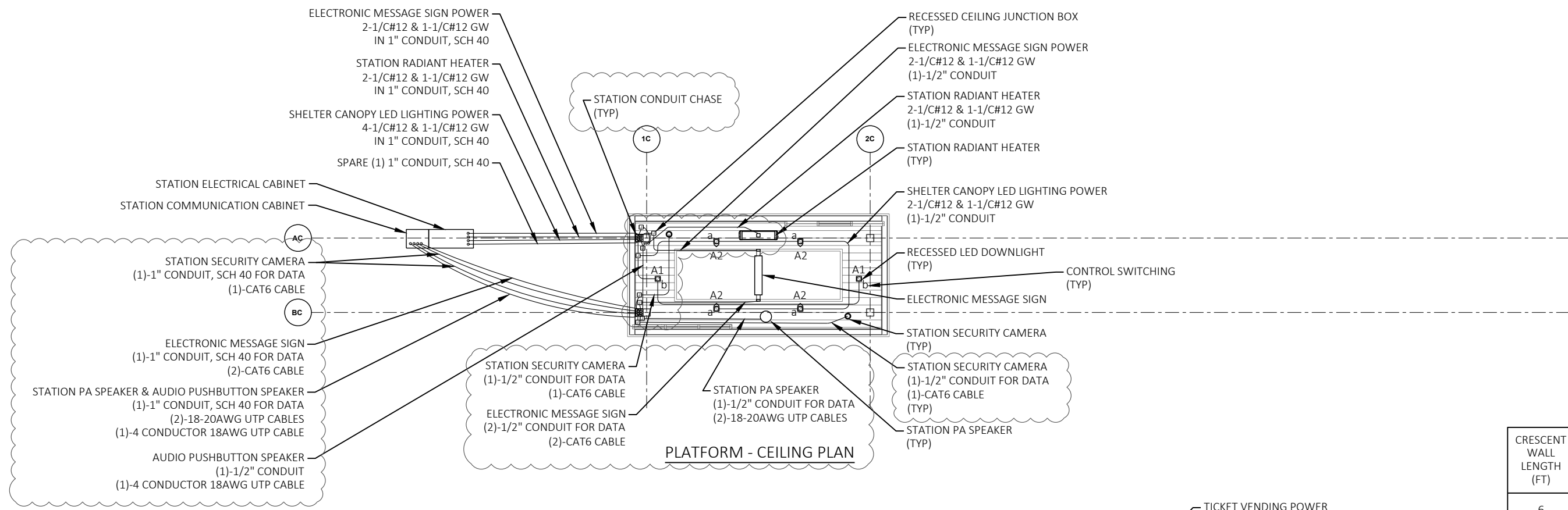
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 CITY OF MADISON, DANE COUNTY, WI  
 CONTRACT NO: 60631225C

ELECTRICAL DETAILS  
 BUS RAPID TRANSIT  
 CITY OF MADISON

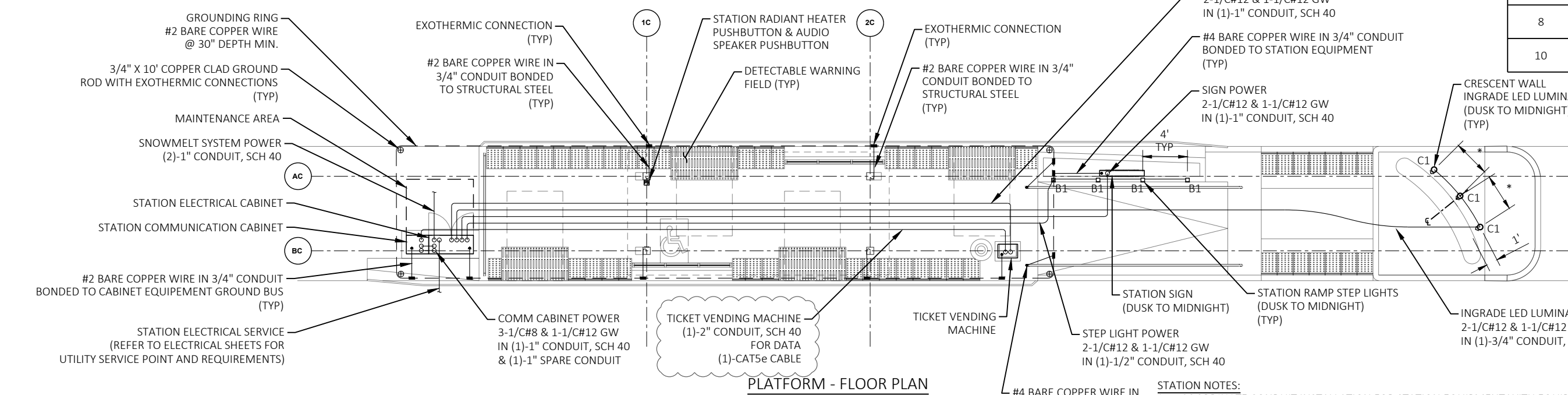


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 LAST PLOT DATE: 2024-02-08  
 LAYOUT NAME: 05



CRESCENT WALL LENGTH (FT)	C1 LUMINAIRE SPACING (FT) *
6	2.5
8	3.0
10	3.5



**REDUCED CENTER STATION PLATFORM ELECTRICAL DETAILS**  
 (TYPE "C" PLATFORM)

- STATION NOTES:**
- COORDINATE CONDUIT INSTALLATION FOR STATION EQUIPMENT WITH EQUIPMENT MANUFACTURER AND MASON CONTRACTOR.
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REVISED 02/08/24 RJS



MARK	DESIGNED BY: AECOM	DATE: 2024-02-08	Scale:
REVISION	REVISION	REVISION	
PLAN REVISION 3	PLAN REVISION 3	PLAN REVISION 3	
04/24/23	04/24/23	04/24/23	
AE	AE	AE	
RJS	RJS	RJS	
02/08/24	02/08/24	02/08/24	
PLAN REVISION 10	PLAN REVISION 10	PLAN REVISION 10	

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

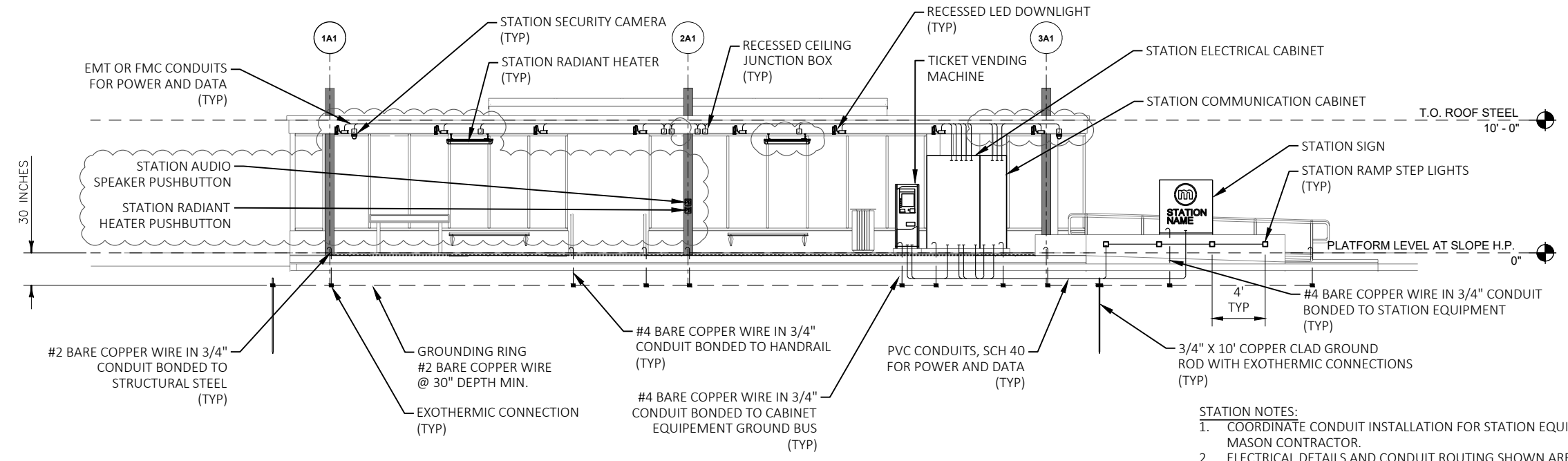
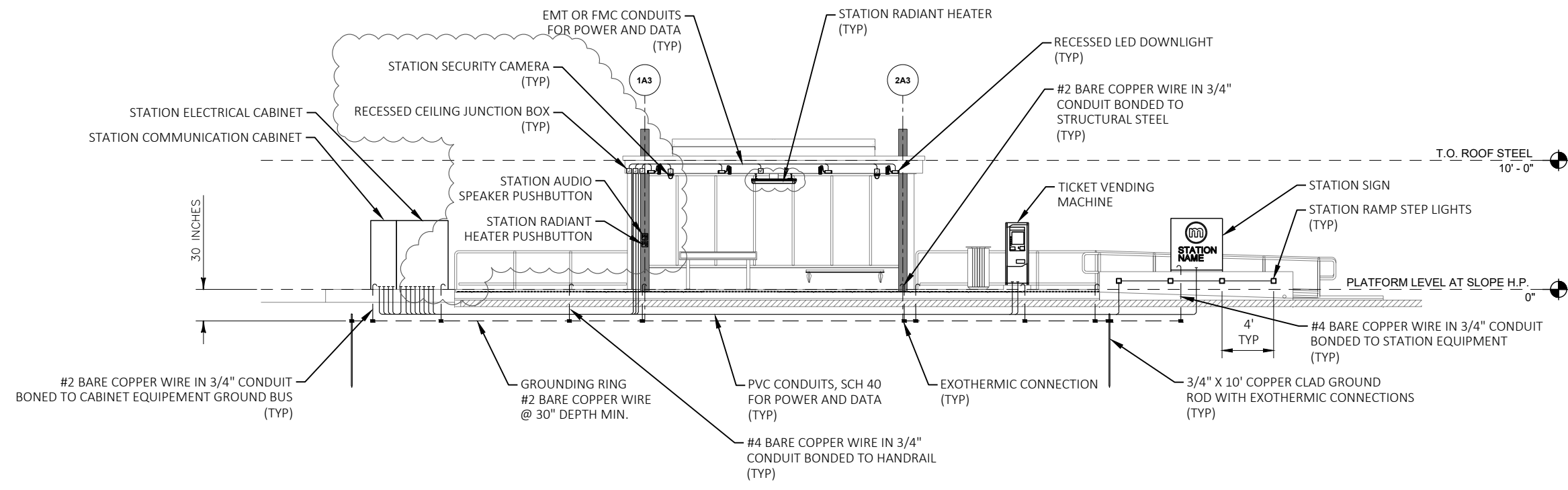
ELECTRICAL DETAILS  
 BUS RAPID TRANSIT  
 CITY OF MADISON



60631225P

E-1F

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 LAYOUT NAME: - 06  
 LAST PLOT DATE: - 2024-02-08



- STATION NOTES:**
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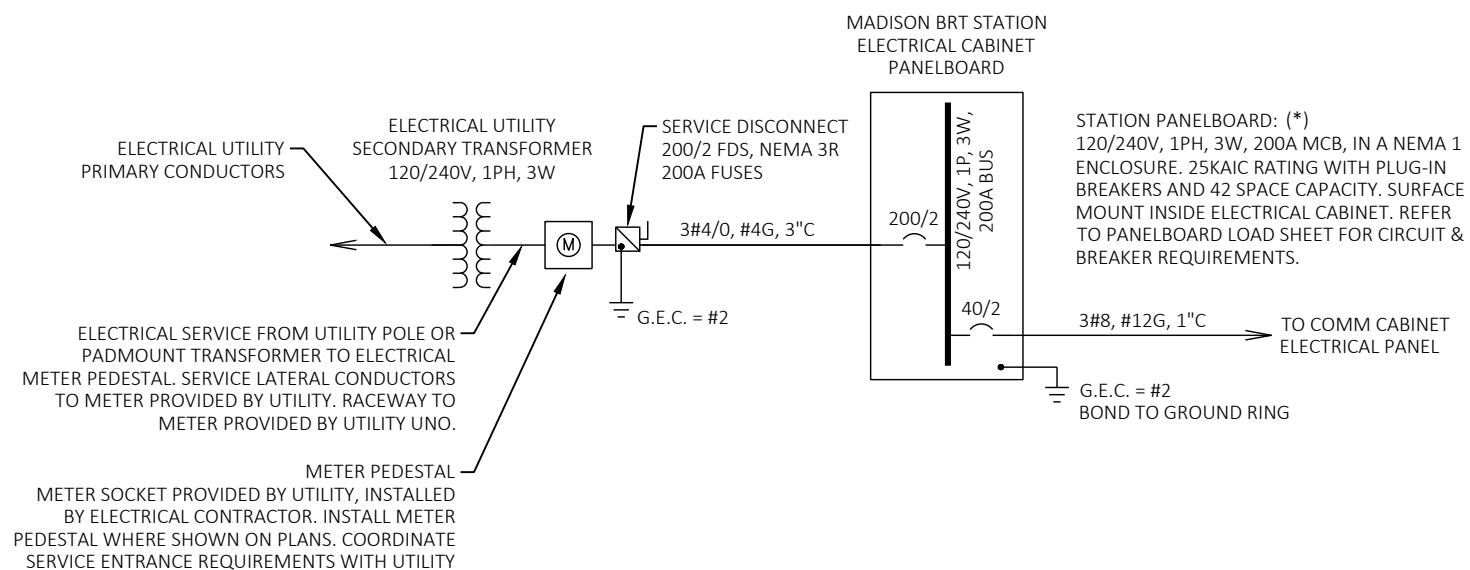
TYPICAL STATION ELECTRICAL DETAILS - PLATFORM ELEVATION PLANS  
 (NOT TO SCALE)

- ABBREVIATIONS**
- AFF ABOVE FINISHED FLOOR
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REVISED 02/08/24 RJS

PANELBOARD LOAD SHEET																
PANEL NUMBER				MAINS: 200 AMP MCB				FILE NO: 60631225								
TYPICAL 240V STATION				VOLTAGE: 120/240 1P 3W 60HZ				PROJECT: MADISON BRT								
				NEUTRAL: 100% OF MAIN BUS RATING				PNL LOCATION: ELECTRICAL CABINET								
				GRD BUS: NON-ISOLATED				MOUNTING: SURFACE								
				INTERRUPTING: 25 KAIC				PANEL TYPE: SQUARE D QO								
CKT NO	LOAD DESCRIPTION	LOADS (VA)				BKR		P	H	BKR	LOADS (VA)				LOAD DESCRIPTION	CKT NO
		LTG	REC	MTR	MISC	AMP	P				P	AMP	LTG	REC		
1	CABINET RECEPTACLE		500			20	1	A	1	15	600			STATION LIGHTNG & SIGN	2	
3	CABINET HEATER				650	15	1	B	1	20			800	TICKET VENDING MACHINE	4	
5	VARIABLE MESSAGE SIGN				200	10	1	A	2	20			1500	STATION RADIANT HEATERS	6	
7	CABINET LIGHTS & CONTROLS	100				10	1	B	2	20			1500	-	8	
9	SPARE					20	1	A	1	20			1500	OVERFLOW DRAIN HEAT TRACE	10	
11	SPACE					-	-	B	-	-			-	SPACE	12	
13	SPACE					-	-	A	-	-			-	SPACE	14	
15	SPACE					-	-	B	-	-			-	SPACE	16	
17	SPACE					-	-	A	-	-			-	SPACE	18	
19	SPACE					-	-	B	-	-			-	SPACE	20	
21	SPACE					-	-	A	-	-			-	SPACE	22	
23	SPACE					-	-	B	-	-			-	SPACE	24	
25	SPACE					-	-	A	-	-			-	SPACE	26	
27	SNOW MELT SYSTEM				2160	30	2	B	2	30			2160	SNOW MELT SYSTEM	28	
29	#1				2160	30	2	A	2	30			2160	#4	30	
31	SNOW MELT SYSTEM				2160	30	2	B	2	30			2160	SNOW MELT SYSTEM	32	
33	#2				2160	30	2	A	2	30			2160	#5	34	
35	SNOW MELT SYSTEM				2160	30	2	B	2	15			-	SOLAR PANELS (2kW)	36	
37	#3				2160	30	2	A	2	40			1500	50	38	
39	SURGE PROTECTION DEVICE				50	30	2	B	2	40			1500	50	40	
41	-				50	30	2	A	2	40			1500	50	42	
SUBTOTALS (VA)		100	500	-	9950						700	1500	-	18850		
CONNECTED LOADS (VA)		800	2000	-	28400	REMARKS: SNOW MELT SYSTEM LOAD VARIES PER STATION PLATFORM										
DESIGN FACTORS		1.25	NEC	1.0	1.0	SIZE AND LOCATION. 60FT STATION PLATFORM SHOWN HERE.										
DESIGN LOADS (VA)		1000	2000	-	28400	540 SF @ 40 WATTS/SF ~ 21.6kW (LARGEST PROPOSED)										
TOTAL CONNECTED LOAD		31.2 kVA		130.0 AMPS		NOTE: NEC = 1ST 10kVA OF REC'S @ 100%, REST @ 50%										
TOTAL DESIGN LOAD		31.4 kVA		130.8 AMPS		STATIONS: TYPICAL 240V SINGLE PHASE PANEL										

- GENERAL PANELBOARD LOAD SHEET:
- CONTRACTOR TO VERIFY SNOW MELT CIRCUIT SIZE REQUIREMENTS AND QUANTITIES PER EACH STATION PRIOR TO ORDERING EQUIPMENT.
  - SNOW MELTING SYSTEM CIRCUIT BREAKERS SHALL HAVE GROUND FAULT PROTECTION OF 30mA.
  - PROVIDE SNOW MELTING SYSTEM CIRCUIT BREAKERS WITH HANDLE LOCKS TO SECURE IN THE OFF POSITION.



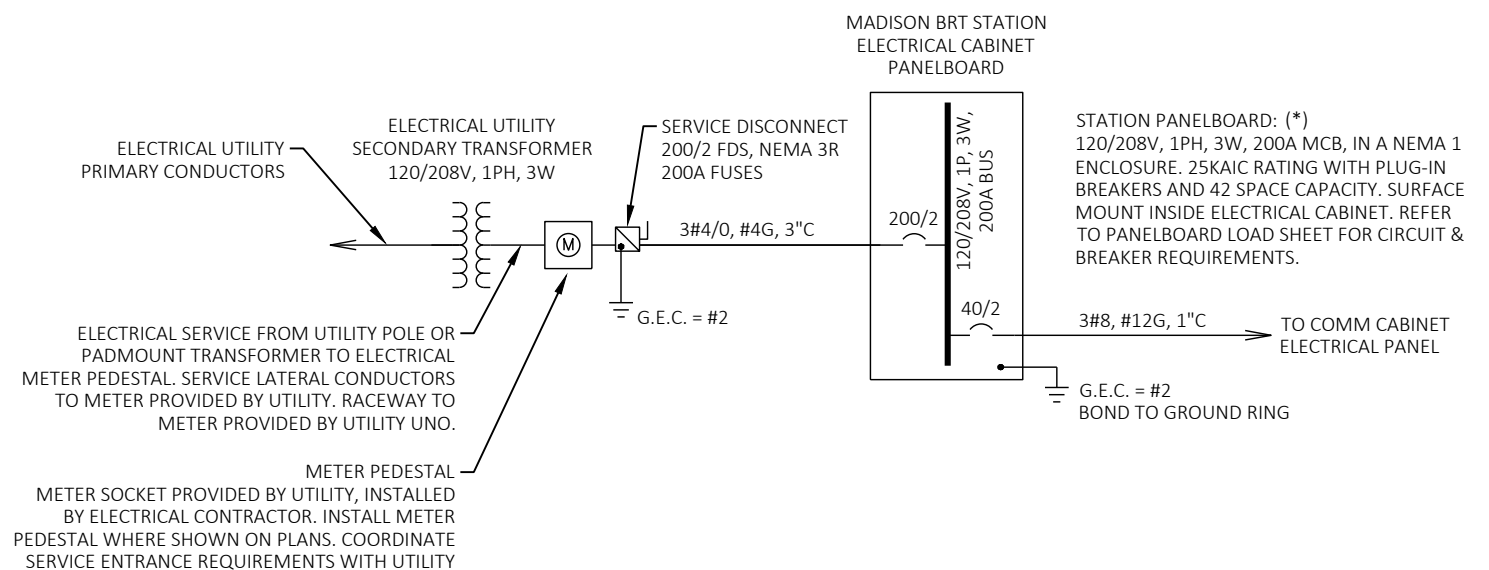
TYPICAL 240V STATION ONE LINE DIAGRAM

120/240V, 1P, 3W

- \* SERVICE ENTRANCE RATED PANELBOARDS REQUIRED FOR THE STATIONS ON THE FOLLOWING ELECTRICAL PLAN SHEETS. NO SEPARATE SERVICE DISCONNECT SWITCH BEING INSTALLED AT THE METER FOR THESE LOCATIONS. REFER TO THE PLANS FOR SERVICE CONDUCTOR REQUIREMENTS.
- E-16, E-17, E-18, E-19, E-20, E-21, E-22, E-34B, E-36A, & E-36B.

PANELBOARD LOAD SHEET																
PANEL NUMBER				MAINS: 200 AMP MCB				FILE NO: 60631225								
TYPICAL 208V STATION				VOLTAGE: 120/208 1P 3W 60HZ				PROJECT: MADISON BRT								
				NEUTRAL: 100% OF MAIN BUS RATING				PNL LOCATION: ELECTRICAL CABINET								
				GRD BUS: NON-ISOLATED				MOUNTING: SURFACE								
				INTERRUPTING: 25 KAIC				PANEL TYPE: SQUARE D QO								
CKT NO	LOAD DESCRIPTION	LOADS (VA)				BKR		P	H	BKR	LOADS (VA)				LOAD DESCRIPTION	CKT NO
		LTG	REC	MTR	MISC	AMP	P				P	AMP	LTG	REC		
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3	CABINET HEATER				650	15	1	B	1	20			800	TICKET VENDING MACHINE	4	
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11	SPACE					-	-	B	-	-			-	SPACE	12	
13	SPACE					-	-	A	-	-			-	SPACE	14	
15	SPACE					-	-	B	-	-			-	SPACE	16	
17	SPACE					-	-	A	-	-			-	SPACE	18	
19	SPACE					-	-	B	-	-			-	SPACE	20	
21	SPACE					-	-	A	-	-			-	SPACE	22	
23	SPACE					-	-	B	-	-			-	SPACE	24	
25	SPACE					-	-	A	-	-			-	SPACE	26	
27	SNOW MELT SYSTEM				1840	30	2	B	2	30			1840	SNOW MELT SYSTEM	28	
29	#1				1840	30	2	A	2	30			1840	#4	30	
31	SNOW MELT SYSTEM				1840	30	2	B	2	30			1840	SNOW MELT SYSTEM	32	
33	#2				1840	30	2	A	2	30			1840	#5	34	
35	SNOW MELT SYSTEM				1840	30	2	B	2	15			-	SOLAR PANELS (2kW)	36	
37	#3				1840	30	2	A	2	40			1500	50	38	
39	SURGE PROTECTION DEVICE				50	30	2	B	2	40			1500	50	40	
41	-				50	30	2	A	2	40			1500	50	42	
SUBTOTALS (VA)		100	500	-	8310						700	1500	-	16490		
CONNECTED LOADS (VA)		800	2000	-	24800	REMARKS: SNOW MELT SYSTEM LOAD VARIES PER STATION PLATFORM										
DESIGN FACTORS		1.25	NEC	1.0	1.0	SIZE AND LOCATION. 60FT STATION PLATFORM SHOWN HERE.										
DESIGN LOADS (VA)		1000	2000	-	24800	460 SF @ 40 WATTS/SF ~ 18.4kW (LARGEST PROPOSED)										
TOTAL CONNECTED LOAD		27.6 kVA		132.7 AMPS		NOTE: NEC = 1ST 10kVA OF REC'S @ 100%, REST @ 50%										
TOTAL DESIGN LOAD		27.8 kVA		133.7 AMPS		STATIONS: TYPICAL 208V SINGLE PHASE PANEL										

- GENERAL PANELBOARD LOAD SHEET:
- CONTRACTOR TO VERIFY SNOW MELT CIRCUIT SIZE REQUIREMENTS AND QUANTITIES PER EACH STATION PRIOR TO ORDERING EQUIPMENT.
  - SNOW MELTING SYSTEM CIRCUIT BREAKERS SHALL HAVE GROUND FAULT PROTECTION OF 30mA.
  - PROVIDE SNOW MELTING SYSTEM CIRCUIT BREAKERS WITH HANDLE LOCKS TO SECURE IN THE OFF POSITION.



TYPICAL 208V STATION ONE LINE DIAGRAM

120/208V, 1P, 3W

NOTES

- REFER TO JUNCTION PARK-N-RIDE ONE-LINE DIAGRAM FOR JUNCTION BRT STATIONS.

REVISED 02/08/24 RJS

02/08/24	RJS	DATE	BY
04/24/23	AE	DATE	BY
PLAN REVISION 10	REVISION	DATE	BY
PLAN REVISION 3	REVISION	DATE	BY

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

ELECTRICAL DETAILS  
BUS RAPID TRANSIT  
CITY OF MADISON



60631225P

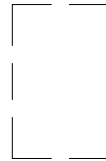
E-1K



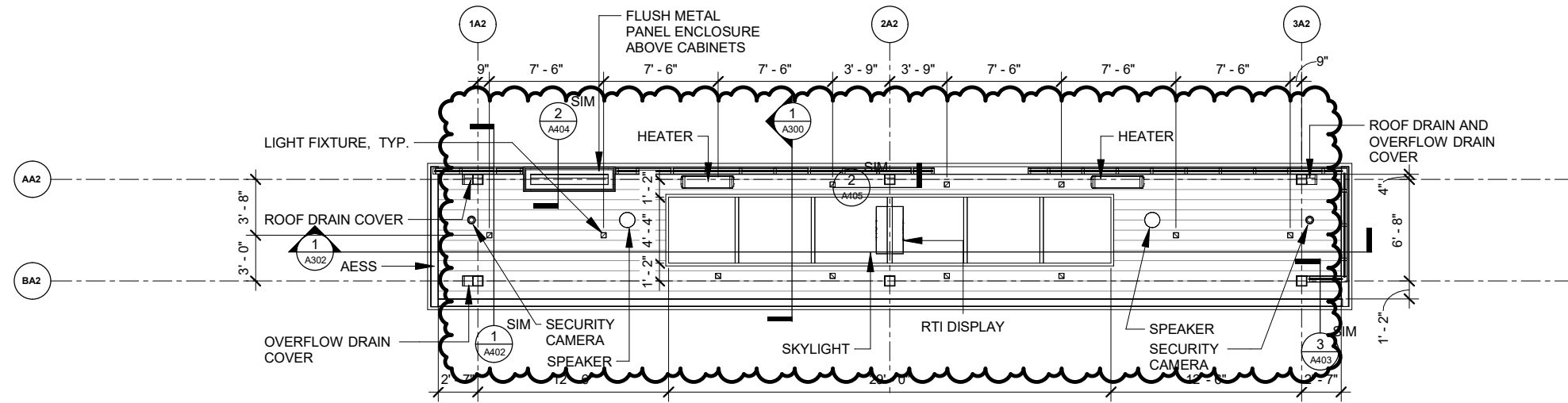
**PLAN GRAPHIC SYMBOL LEGEND**



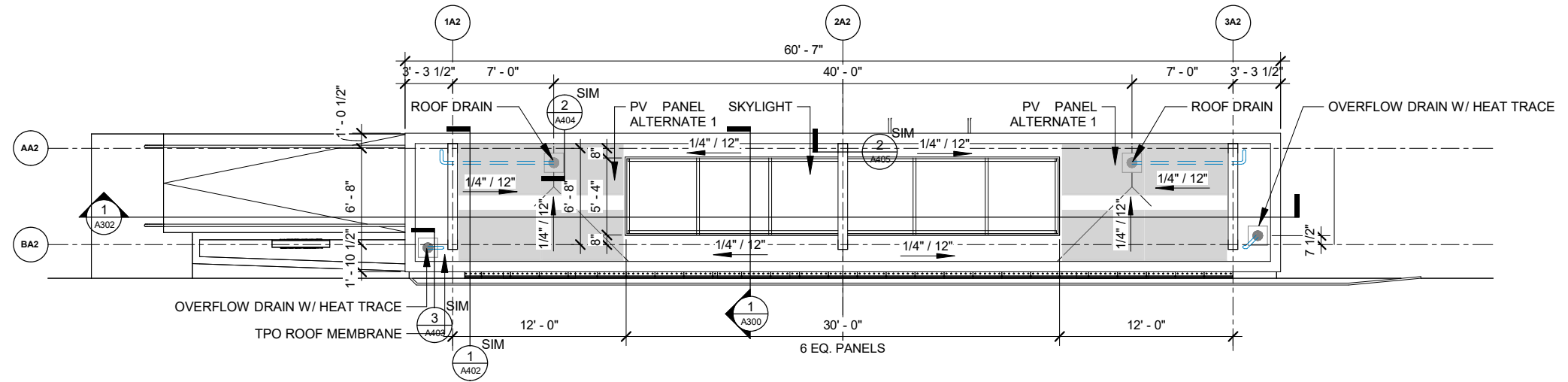
ACCESSIBLE WAITING AREA -  
30" X 48"



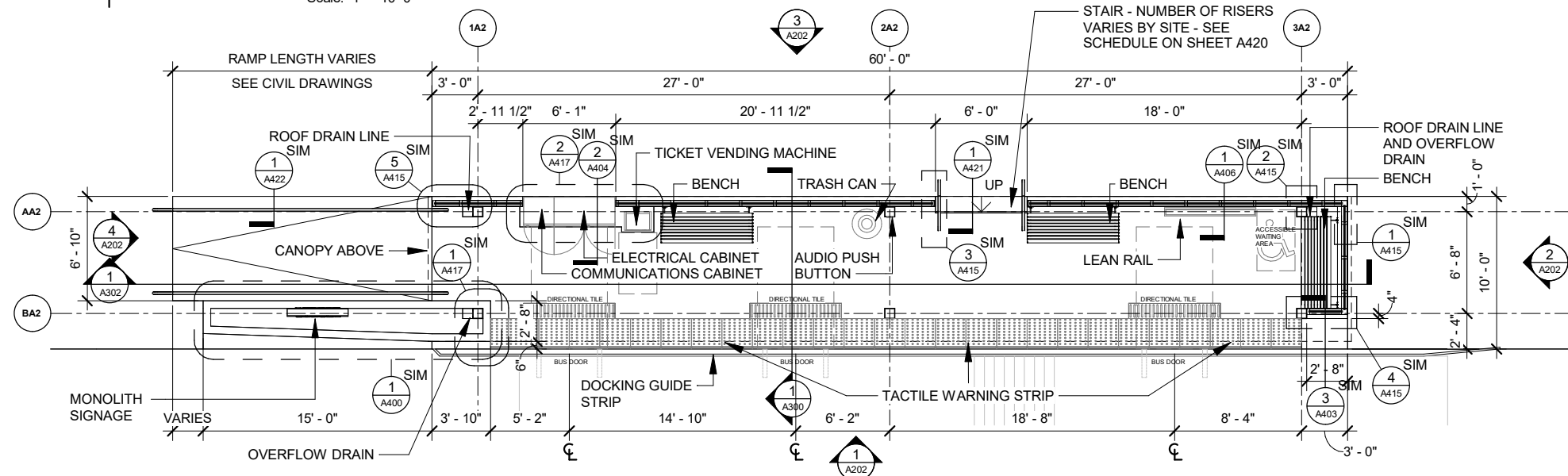
BOARDING/ALIGHTING  
ZONE - 60" X 96"



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



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



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

DATE	02/08/2024
BY	DSG
REVISION	2/8/2024 6:23:32 PM
MARK	REVISION 4
DATE	09/13/2023
REVISION	4
MARK	REVISION 10
DATE	02/08/2024
BY	DSG

60631225P

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

PLATFORM TYPE A2

BUS RAPID TRANSIT

CITY OF MADISON



60631225P

A111

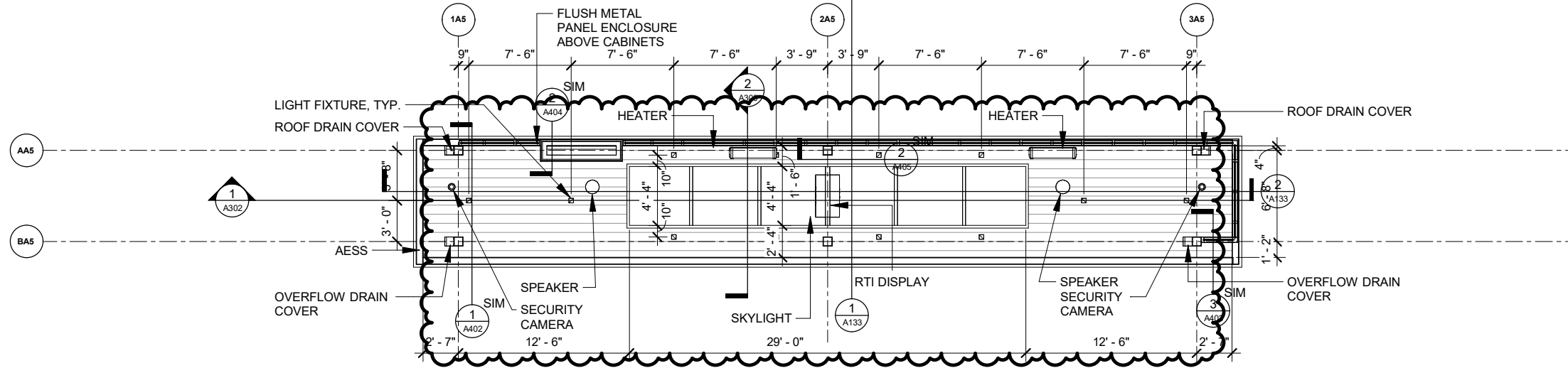
**PLAN GRAPHIC SYMBOL LEGEND**



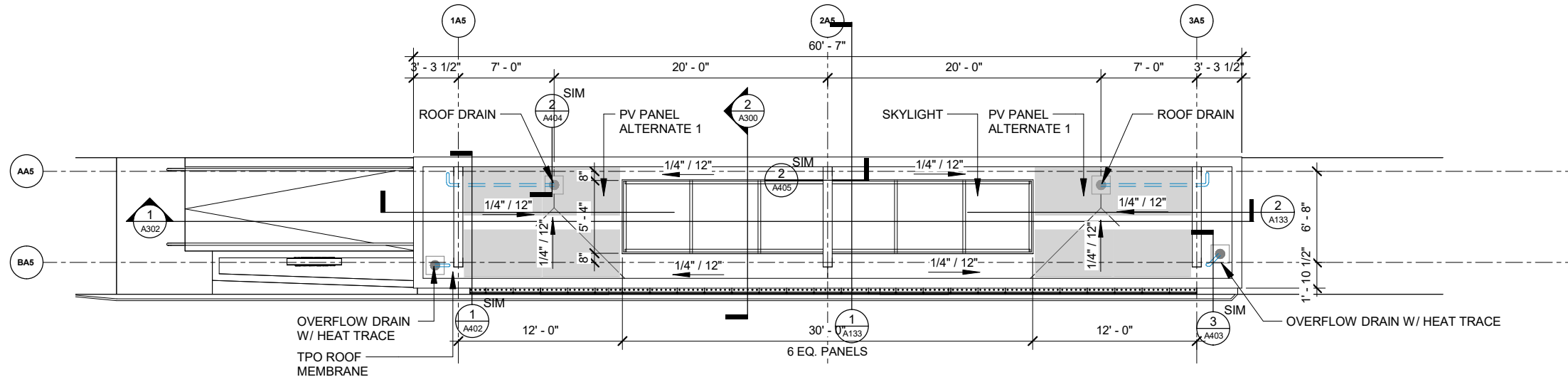
ACCESSIBLE WAITING AREA -  
30" X 48"



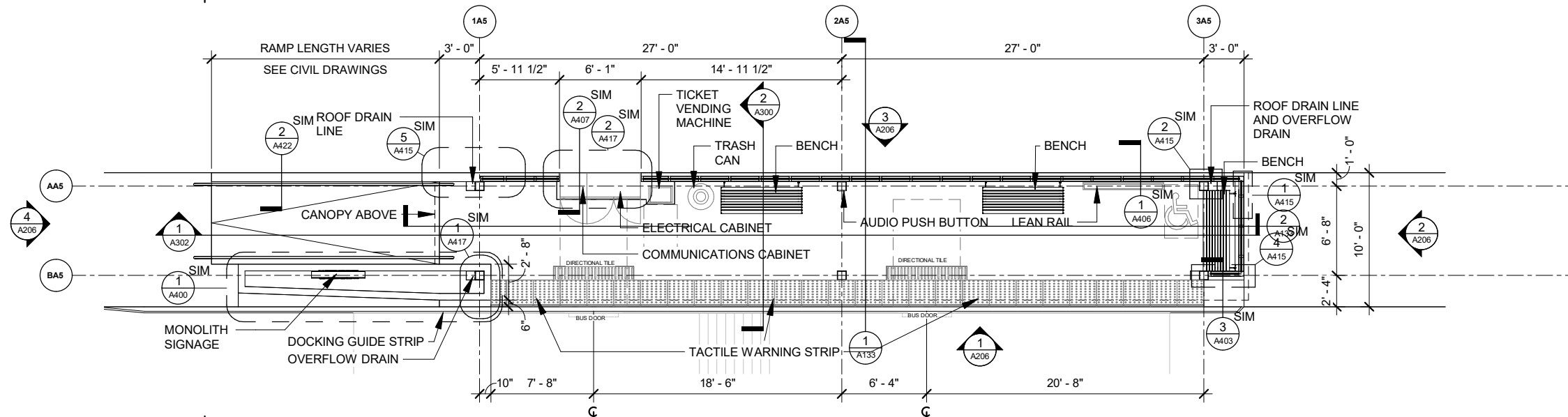
BOARDING/ALIGHTING  
ZONE - 60" X 96"



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



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



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

60631225P

CITY OF MADISON, DANE COUNTY, WI

PLATFORM TYPE A5  
BUS RAPID TRANSIT  
CITY OF MADISON

60631225P

A115

REVISION 10	02/08/2024	BY
REVISION 4	09/13/2023	DATE
MARK	DESIGNED BY: DSG	DATE: 2/8/2024 6:22:33 PM
REVISION	SCALE	1" = 10'-0"

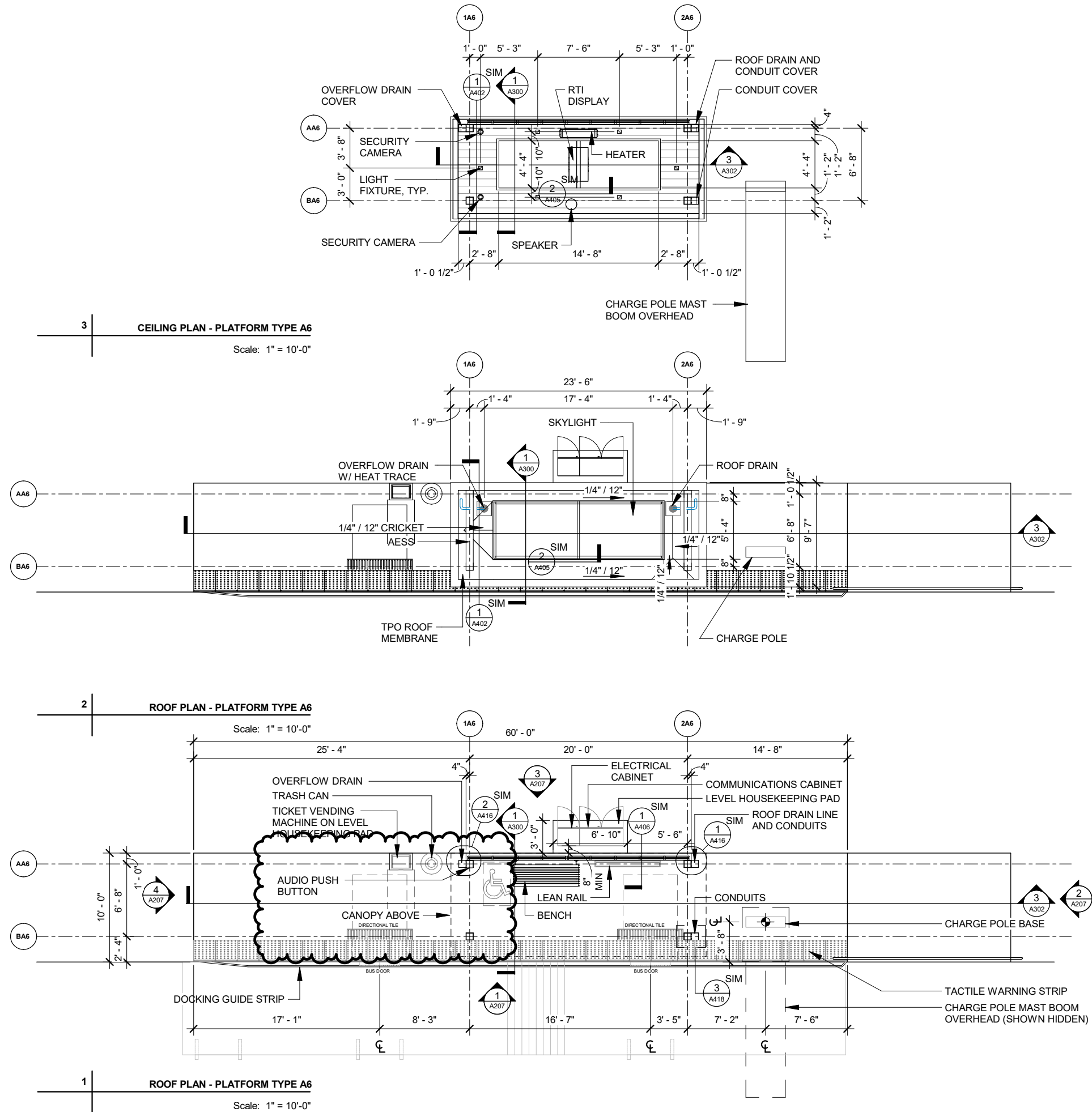
**PLAN GRAPHIC SYMBOL LEGEND**



ACCESSIBLE WAITING AREA -  
30" X 48"



BOARDING/ALIGHTING  
ZONE - 60" X 96"



6	REVISION 10	02/08/2024	BY
4	REVISION 4	09/13/2023	DATE
MARK	REVISION	DESIGNED BY: DSG	DATE: 2/6/2024 6:23:34 PM
			Scale: ---

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

PLATFORM TYPE A6  
BUS RAPID TRANSIT  
CITY OF MADISON



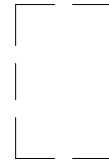
60631225P

A116

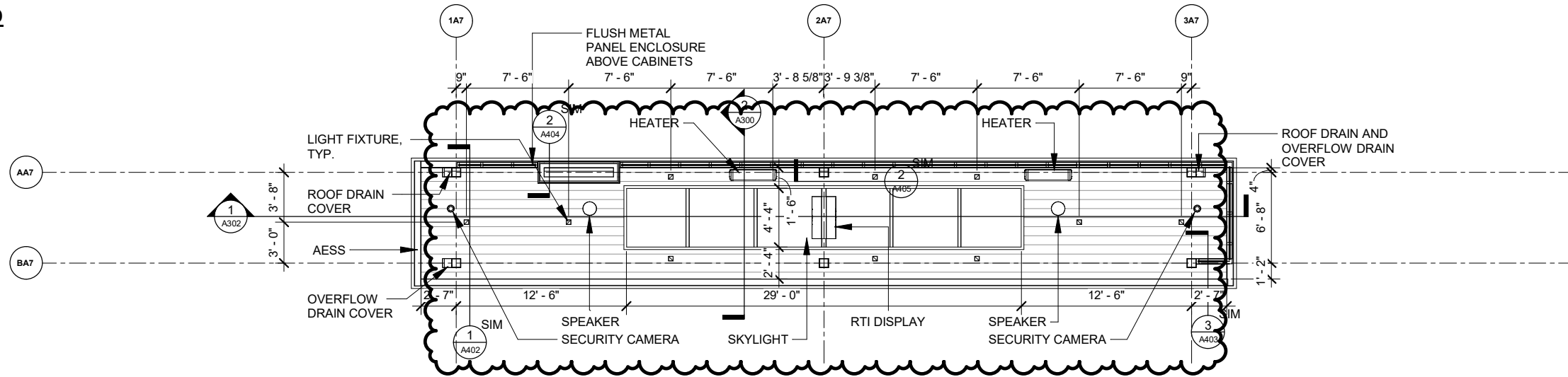
**PLAN GRAPHIC SYMBOL LEGEND**



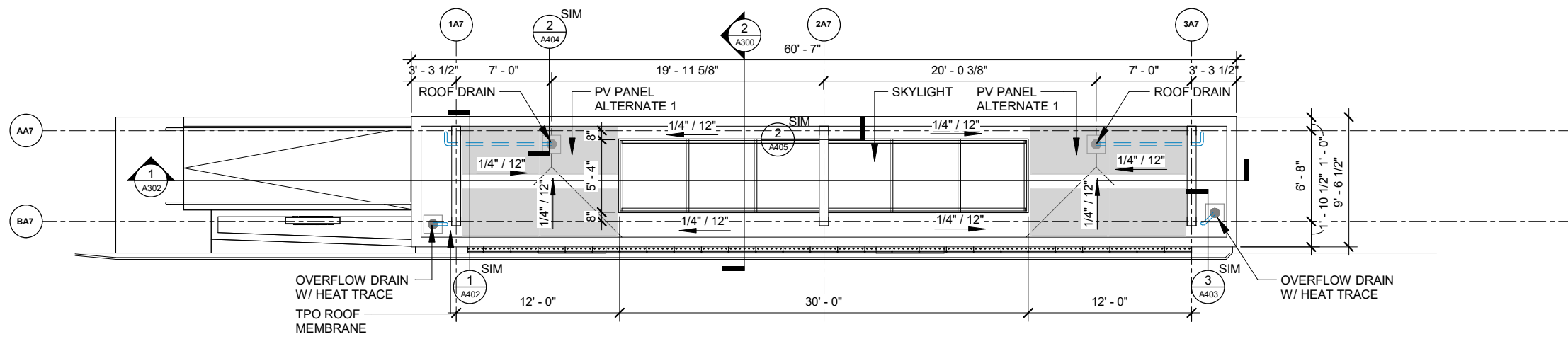
ACCESSIBLE WAITING AREA -  
30" X 48"



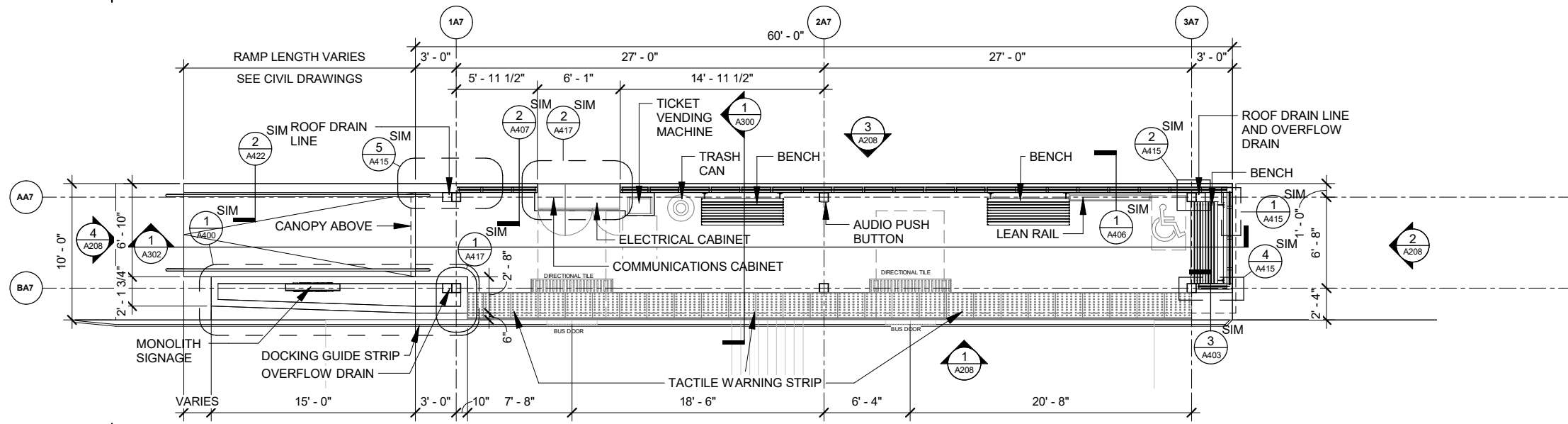
BOARDING/ALIGHTING  
ZONE - 60" X 96"



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



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



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

REVISION 10	02/08/2024	BY
REVISION 4	09/13/2023	DATE
MARK	DESIGNED BY: DSG	DATE: 2/8/2024 6:23:36 PM
REVISION	DATE	SCALE

60631225P

CITY OF MADISON, DANE COUNTY, WI

CONTRACT NO: 60631225C

PLATFORM TYPE A7

BUS RAPID TRANSIT

CITY OF MADISON



60631225P

A117





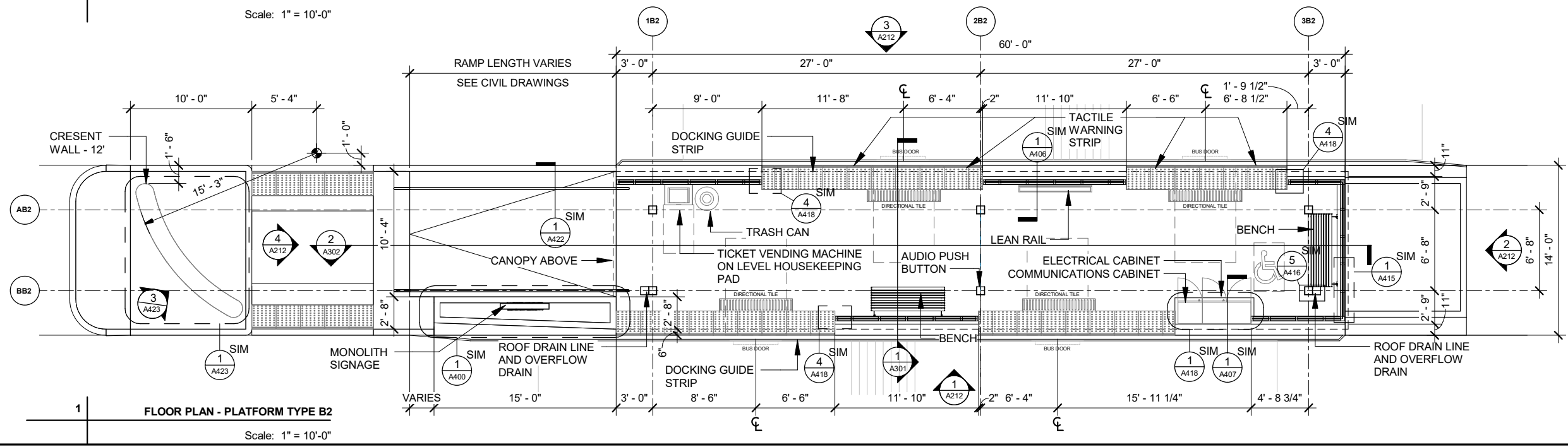
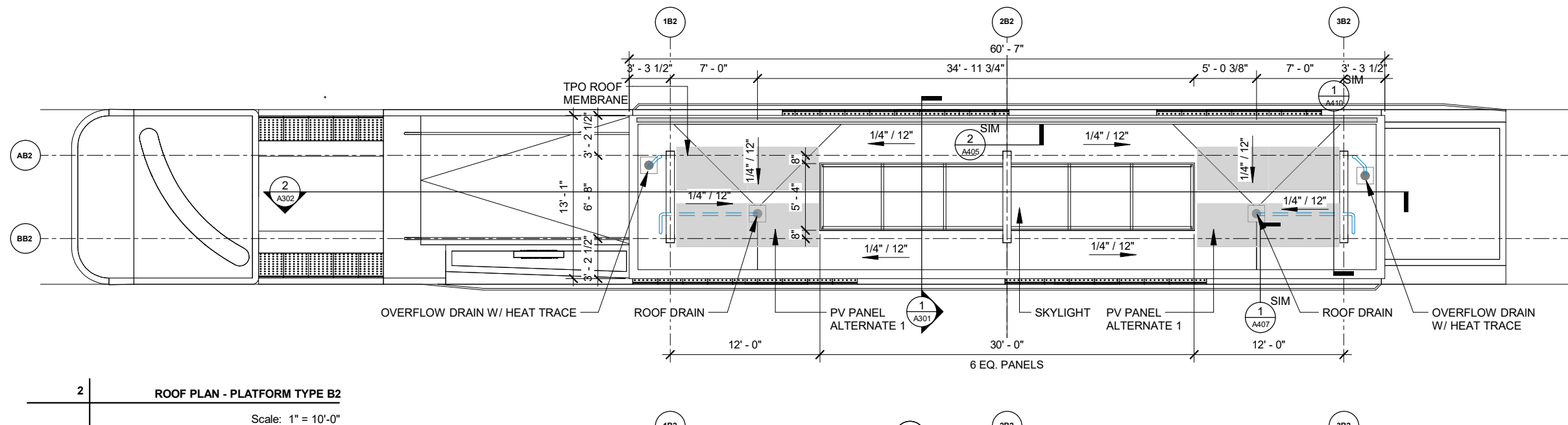
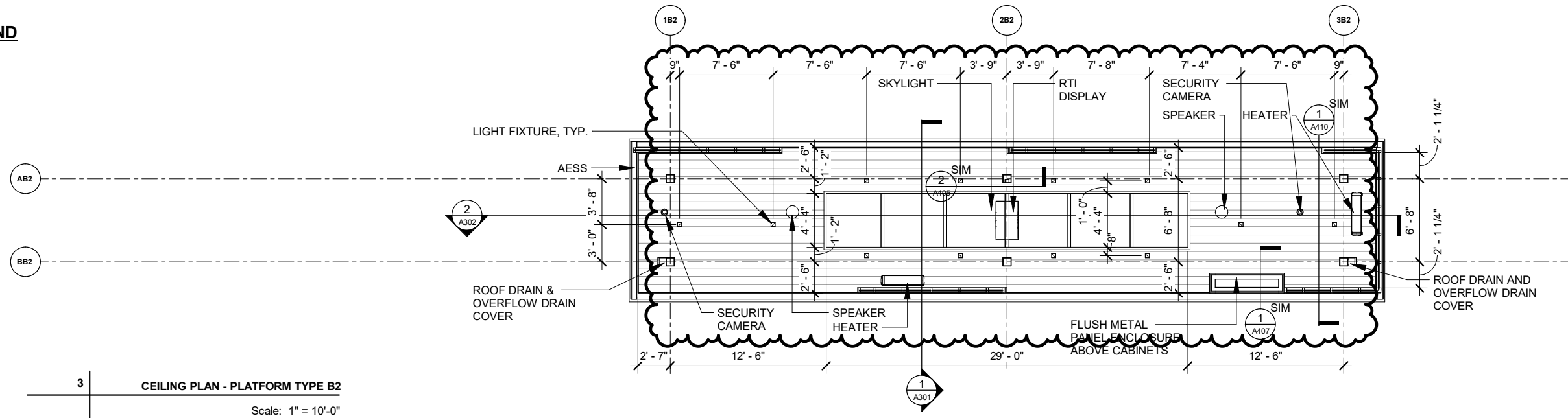
**PLAN GRAPHIC SYMBOL LEGEND**



ACCESSIBLE WAITING AREA - 30" X 48"



BOARDING/ALIGHTING ZONE - 60" X 96"



DATE	02/06/2024
BY	09/13/2023
REVISION	MARK
DESIGNED BY	DSG
DATE	2/6/2024 6:23:39 PM
SCALE	1" = 10'-0"

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

PLATFORM TYPE B2  
BUS RAPID TRANSIT  
CITY OF MADISON

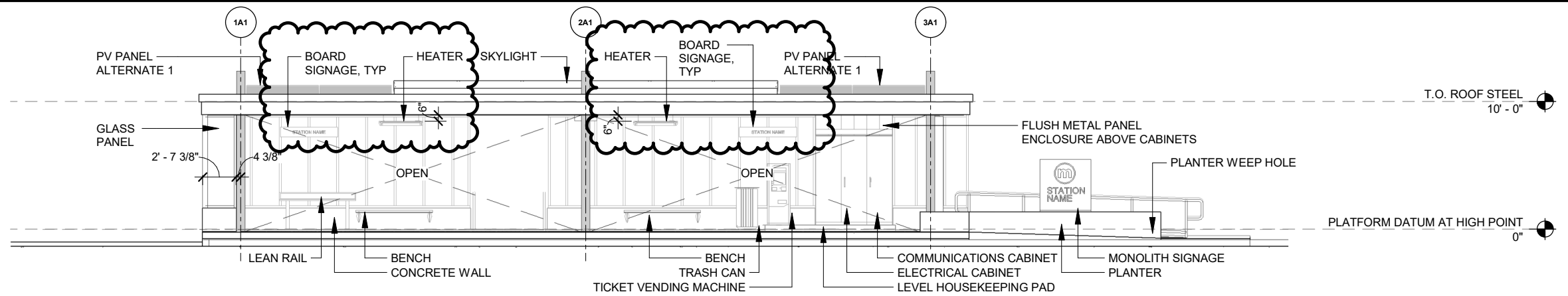


60631225P

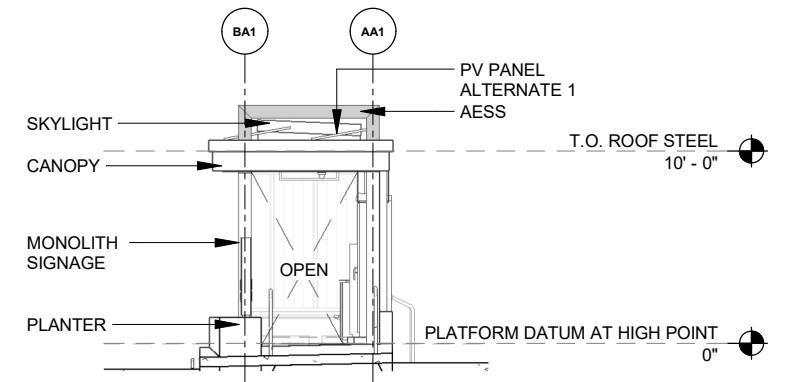
A121



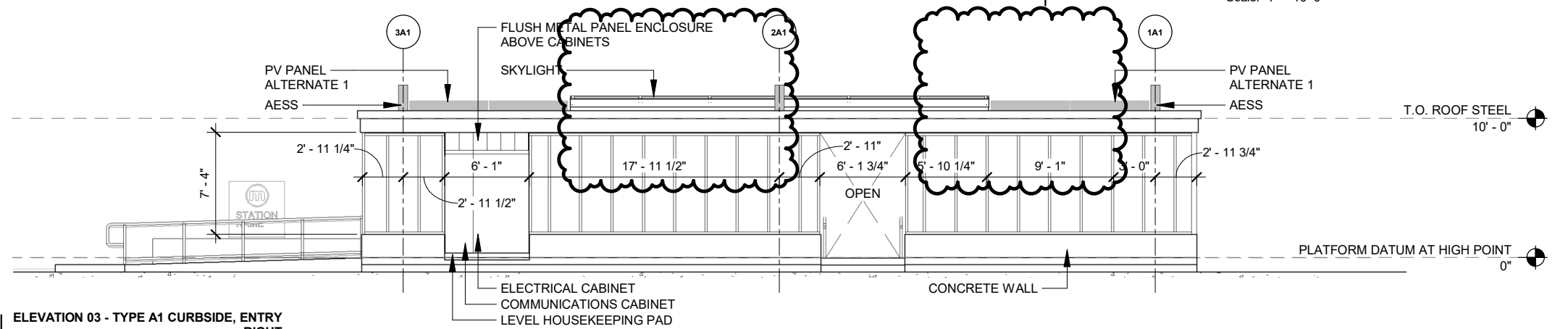
GLASS SIZES - TYPE A1		
MEASURED FROM F/ MULLION TO F/MULLION		
QUANTITY	HEIGHT	WIDTH
2	6'-11 1/4"	1'-0 1/4"
2	6'-11 1/4"	1'-1 1/4"
2	6'-11 1/4"	1'-2 1/4"
2	6'-11 1/4"	1'-6 7/8"
20	6'-11 1/4"	2'-1"
28	TOTAL	



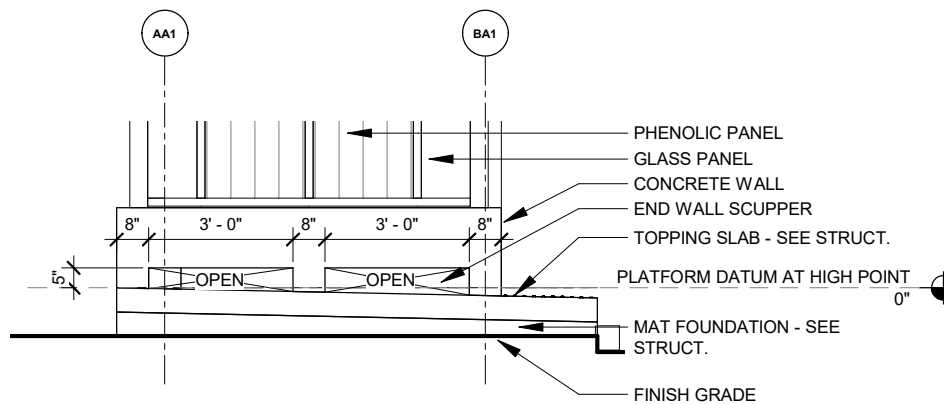
1 ELEVATION 01 - TYPE A1 CURBSIDE, ENTRY RIGHT  
Scale: 1" = 10'-0"



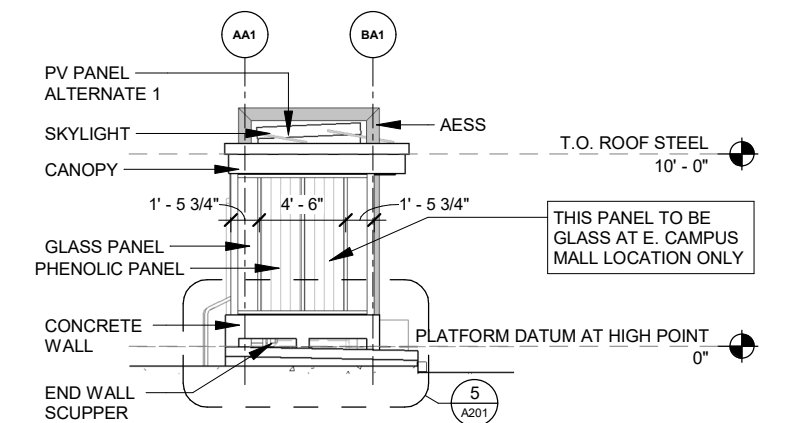
2 ELEVATION 02 - TYPE A1 CURBSIDE, ENTRY RIGHT  
Scale: 1" = 10'-0"



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



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



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

NO.	REVISION	DATE	BY
6	REVISION 10	02/08/2024	MARK
5	REVISION 5	09/15/2023	MARK
3	Revision 1	3/3/2023	MARK

Designed By: DSG | Date: 2/6/2024 6:27:44 PM | Scale: ...

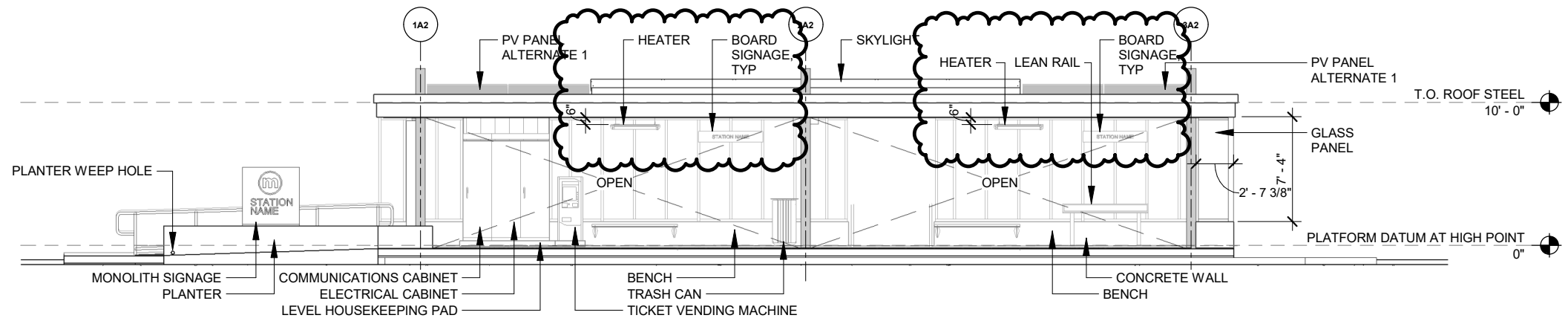
60631225P  
CITY OF MADISON, DANE COUNTY, WI  
CONTRACT NO: 60631225C  
ELEVATION PLATFORM TYPE A1  
BUS RAPID TRANSIT  
CITY OF MADISON



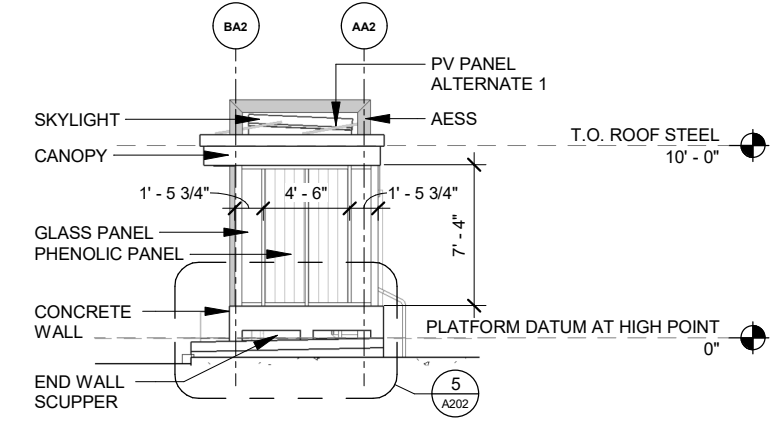
60631225P

A201

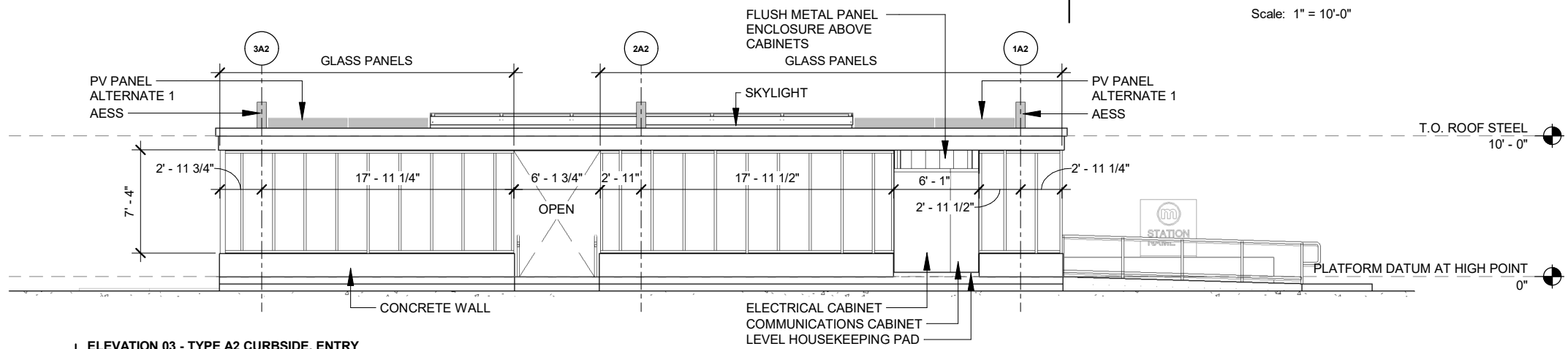
GLASS SIZES - TYPE A2		
MEASURED FROM F/ MULLION TO F/MULLION		
QUANTITY	HEIGHT	WIDTH
2	6'-11 1/4"	1'-0 1/4"
2	6'-11 1/4"	1'-1 1/4"
2	6'-11 1/4"	1'-2 1/4"
2	6'-11 1/4"	1'-6 7/8"
20	6'-11 1/4"	2'-1"
28	TOTAL	



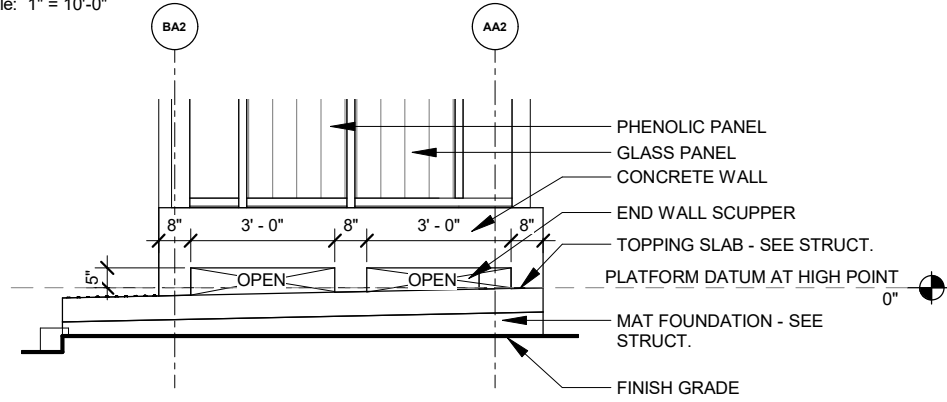
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Scale: 1" = 10'-0"



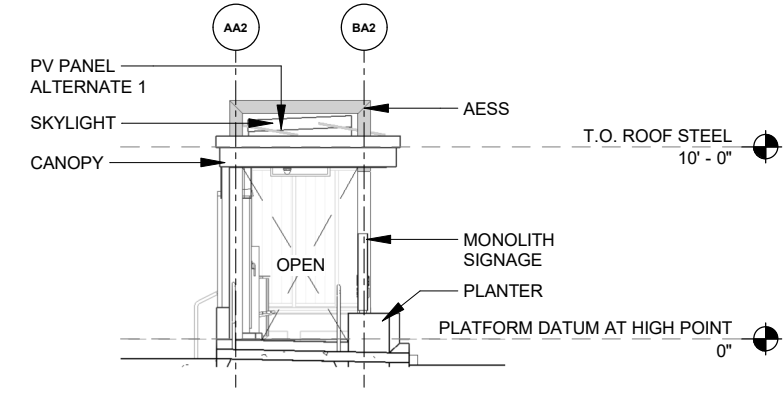
2 ELEVATION 02 - TYPE A2 CURBSIDE, ENTRY LEFT  
Scale: 1" = 10'-0"



3 ELEVATION 03 - TYPE A2 CURBSIDE, ENTRY LEFT  
Scale: 1" = 10'-0"



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



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

REVISION 10	02/08/2024	DATE	BY
REVISION 5	09/15/2023	DATE	BY
REVISION 3	3/3/2023	DATE	BY
MARK			
Designed By: DSG   Date: 2/6/2024   2:16 PM   Scale: 1" = 10'-0"			

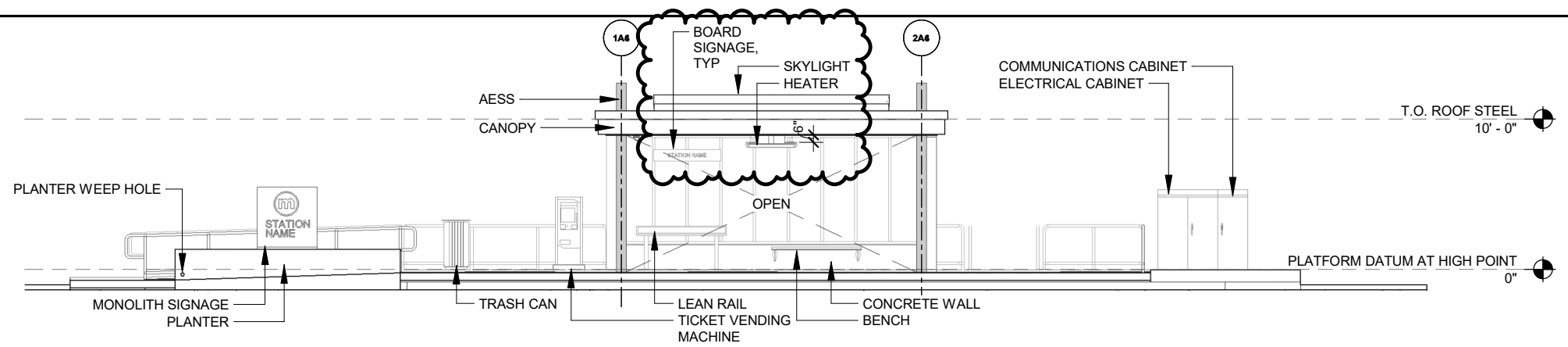
60631225P  
CITY OF MADISON, DANE COUNTY, WI  
CONTRACT NO: 60631225C  
ELEVATION PLATFORM TYPE A2  
BUS RAPID TRANSIT  
CITY OF MADISON



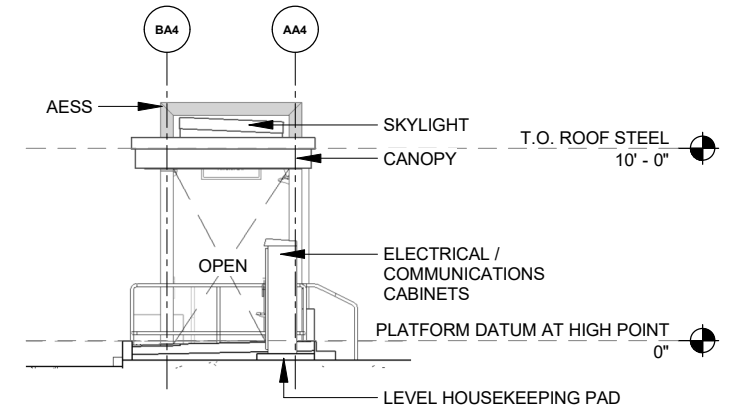
60631225P  
A202



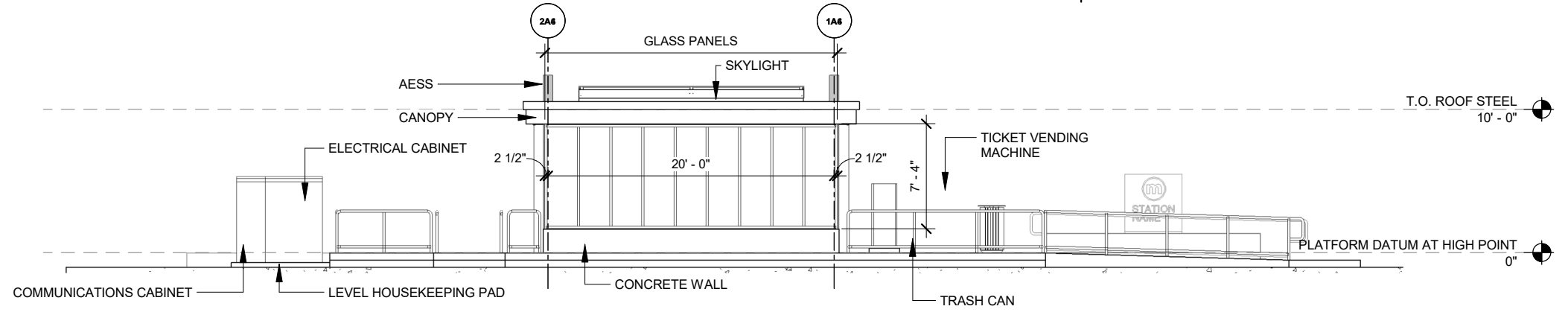
GLASS SIZES - TYPE A4		
MEASURED FROM F/ MULLION TO F/MULLION		
QUANTITY	HEIGHT	WIDTH
9	6'-11 1/4"	2'-1"
9	TOTAL	



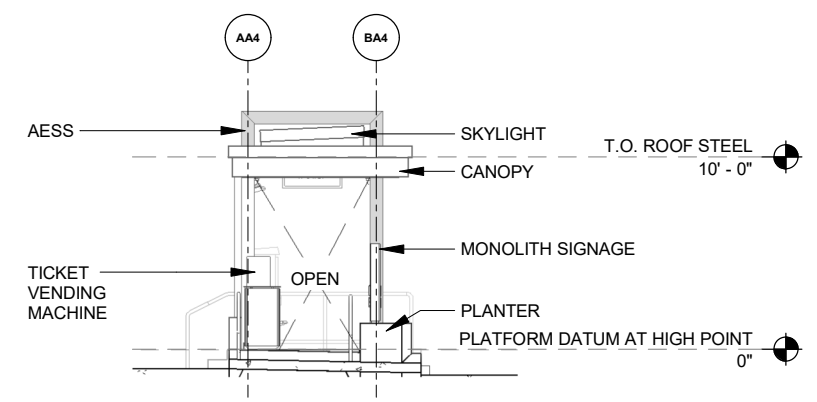
**ELEVATION 01 - TYPE A4 REDUCED CURBSIDE, ENTRY LEFT**  
Scale: 1" = 10'-0"



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



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



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

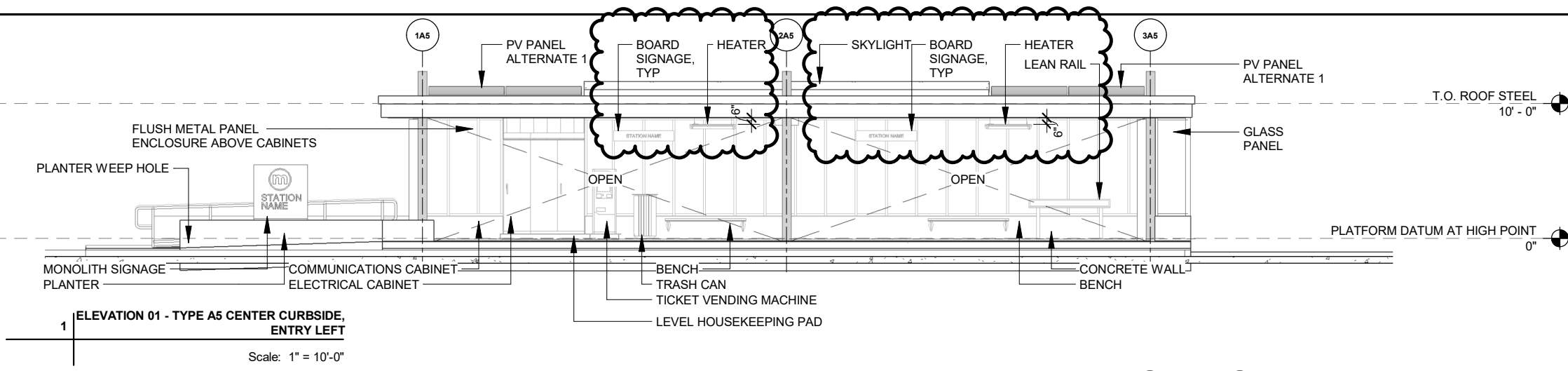
02/08/2024	BY	...
09/15/2023	DATE	...
REVISION 10	REVISION	Scale: ...
REVISION 5	MARK	Designed By: DSG   Date: 2/6/2024 6:27:48 PM

60631225P  
CITY OF MADISON, DANE COUNTY, WI  
CONTRACT NO: 60631225C  
ELEVATION PLATFORM TYPE A4  
BUS RAPID TRANSIT  
CITY OF MADISON

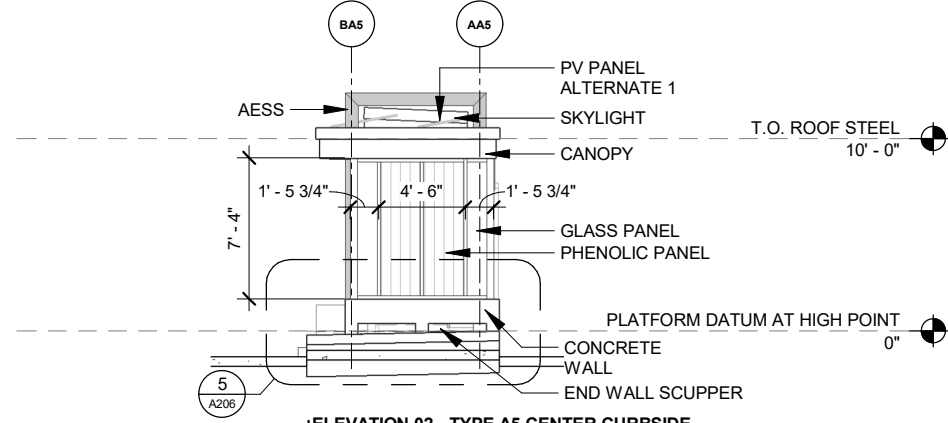


60631225P  
A204

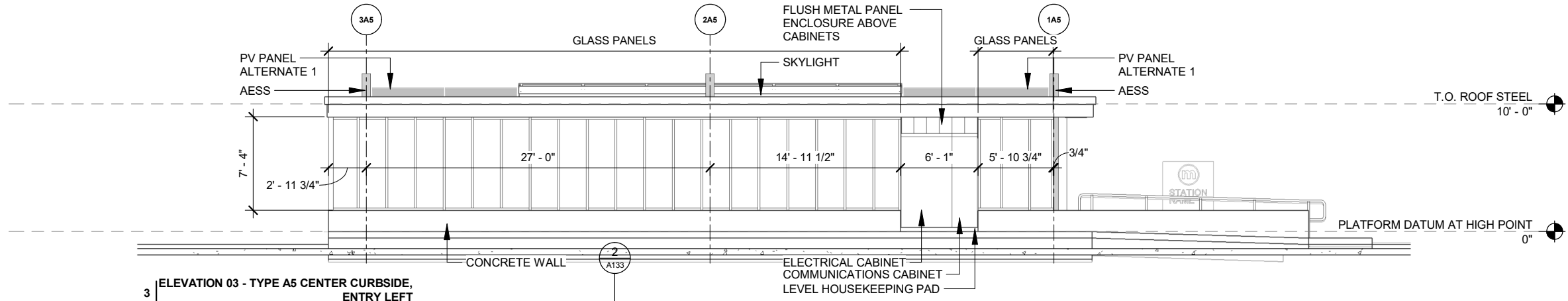
GLASS SIZES - TYPE A5		
MEASURED FROM F/ MULLION TO F/MULLION		
QUANTITY	HEIGHT	WIDTH
2	6'-11 1/4"	1'-0 1/4"
2	6'-11 1/4"	1'-6 7/8"
2	6'-11 1/4"	1'-10 3/8"
22	6'-11 1/4"	2'-1"
28	TOTAL	



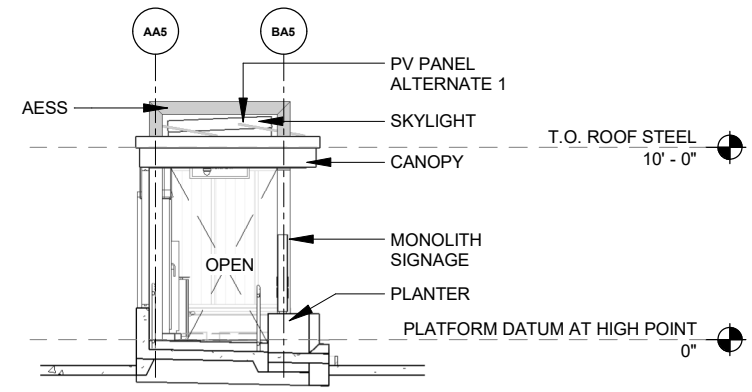
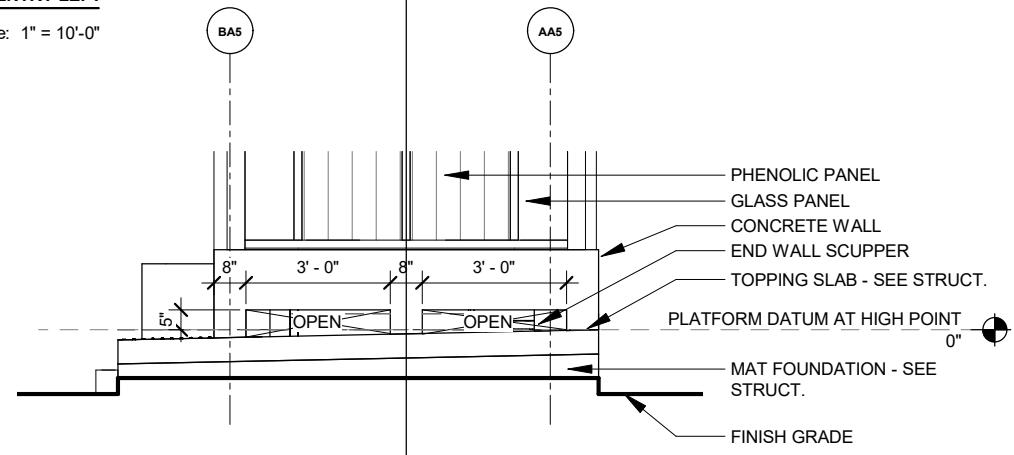
1 ELEVATION 01 - TYPE A5 CENTER CURBSIDE, ENTRY LEFT  
Scale: 1" = 10'-0"



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



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



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

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

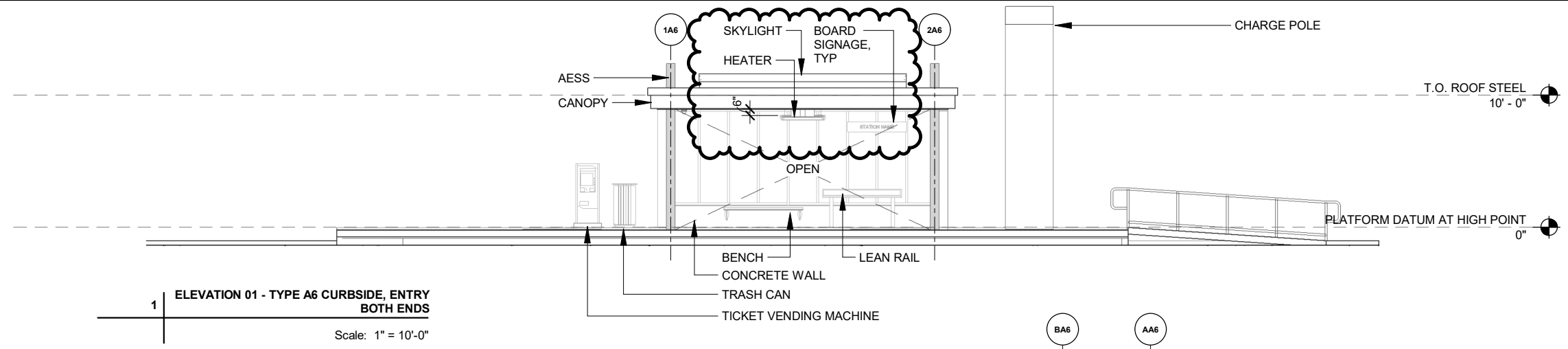
02/08/2024	DATE
09/15/2023	BY
REVISION 10	REVISION
REVISION 5	REVISION
MARK	MARK
Designed By: DSG	Date: 2/6/2024 6:27:50 PM
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60631225P  
CITY OF MADISON, DANE COUNTY, WI  
CONTRACT NO: 60631225C  
ELEVATION PLATFORM TYPE A5  
BUS RAPID TRANSIT  
CITY OF MADISON

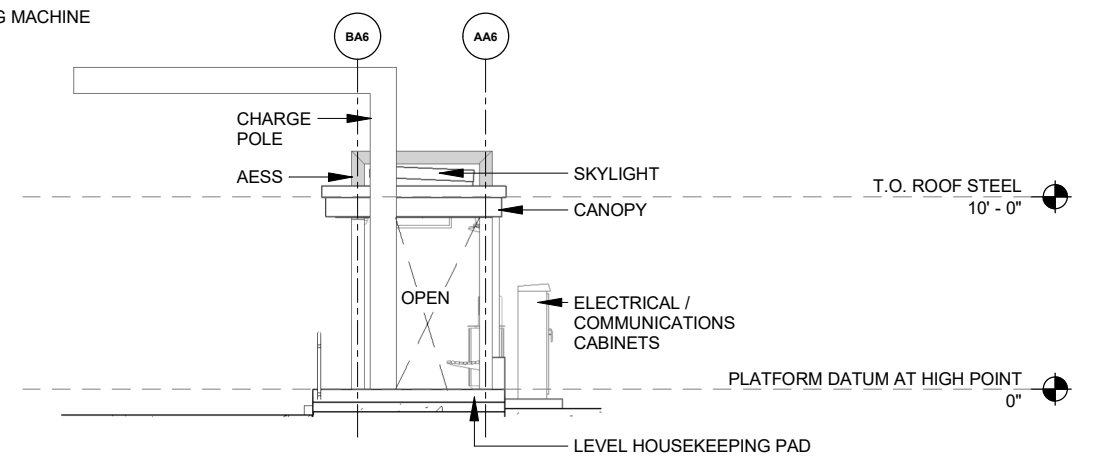


60631225P  
A206

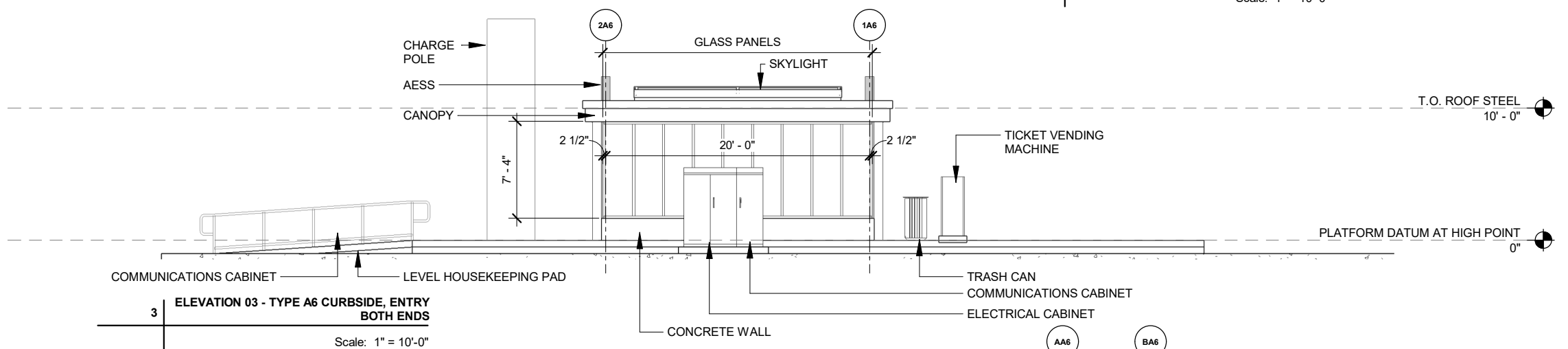
GLASS SIZES - TYPE A6		
MEASURED FROM F/ MULLION TO F/MULLION		
QUANTITY	HEIGHT	WIDTH
9	6'-11 1/4"	2'-1"
9	TOTAL	



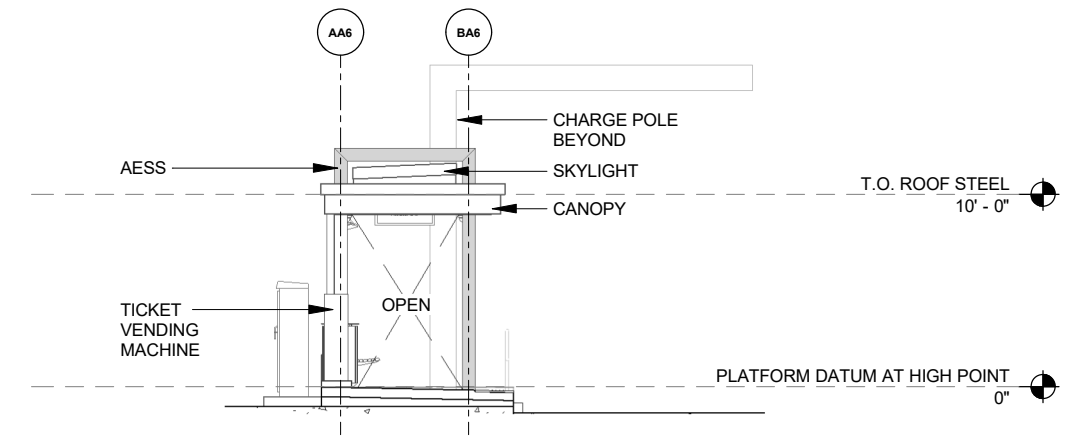
1 | ELEVATION 01 - TYPE A6 CURBSIDE, ENTRY BOTH ENDS  
Scale: 1" = 10'-0"



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



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



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

NO.	REVISION	DATE	BY
6	REVISION 10	02/08/2024	
5	REVISION 5	09/15/2023	
4	REVISION 4	09/13/2023	
MARK			

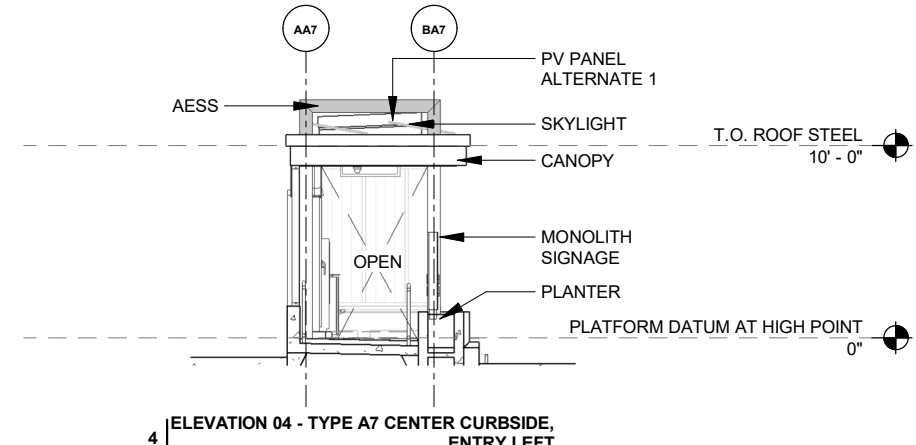
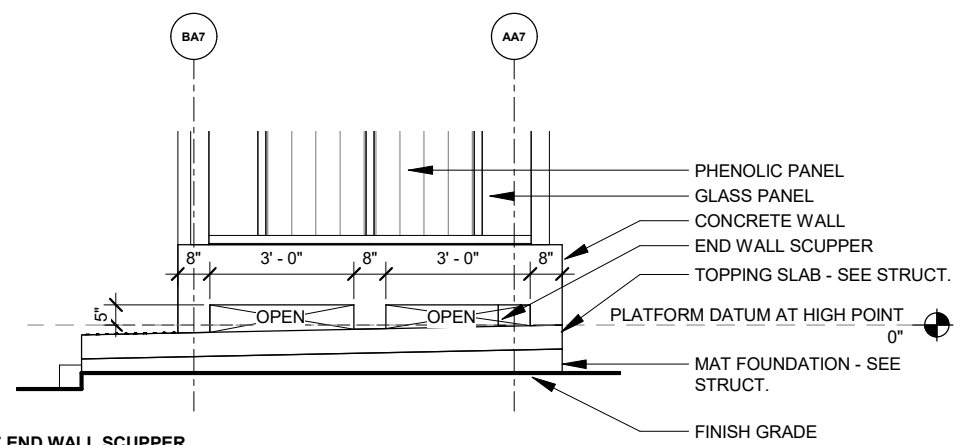
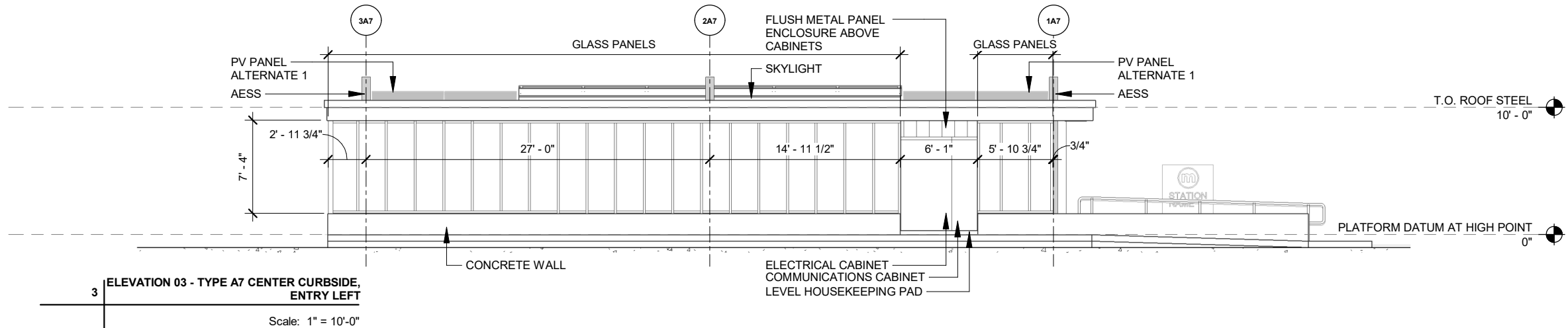
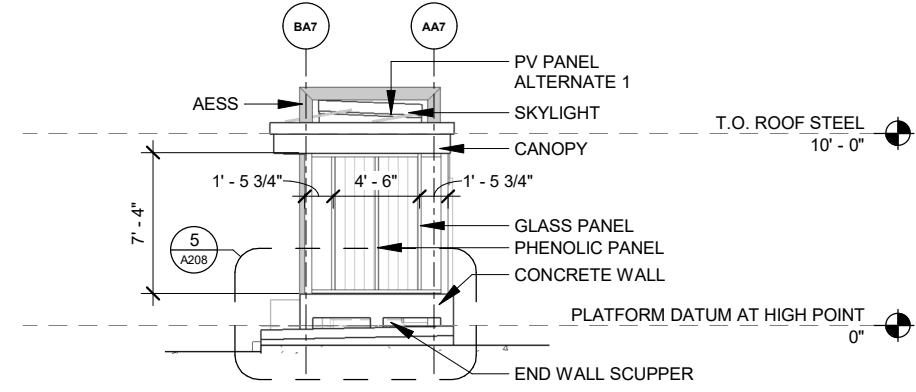
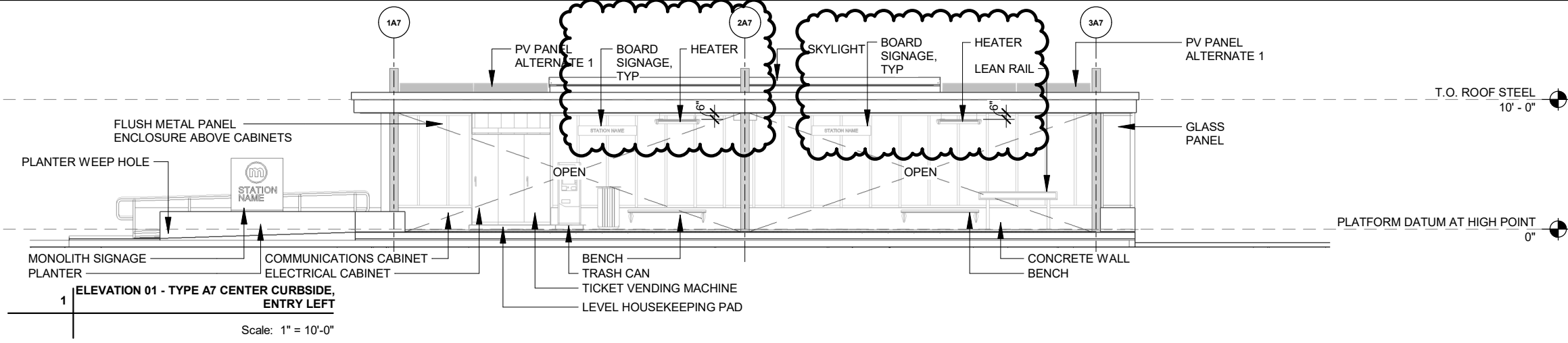
60631225P  
CITY OF MADISON, DANE COUNTY, WI  
CONTRACT NO: 60631225C  
ELEVATION PLATFORM TYPE A6  
BUS RAPID TRANSIT  
CITY OF MADISON



60631225P  
A207



GLASS SIZES - TYPE A7		
MEASURED FROM F/ MULLION TO F/MULLION		
QUANTITY	HEIGHT	WIDTH
2	6'-11 1/4"	1'-0 1/4"
2	6'-11 1/4"	1'-6 7/8"
2	6'-11 1/4"	1'-10 3/8"
22	6'-11 1/4"	2'-1"
28	TOTAL	

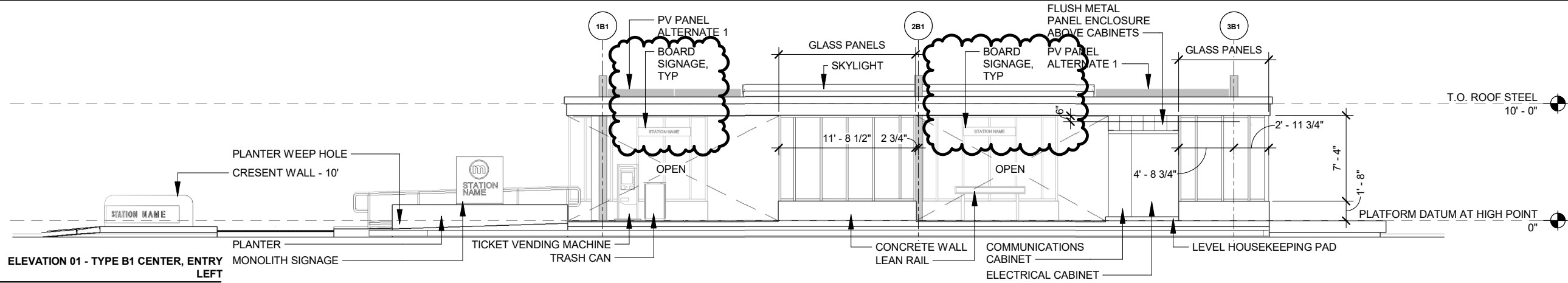


02/08/2024	DATE
09/15/2023	DATE
REVISION 10	REVISION
REVISION 5	REVISION
MARK	MARK
DESIGNED BY: DSG	DATE: 2/6/2024 6:27:53 PM
SCALE: 1"	SCALE: 1"

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



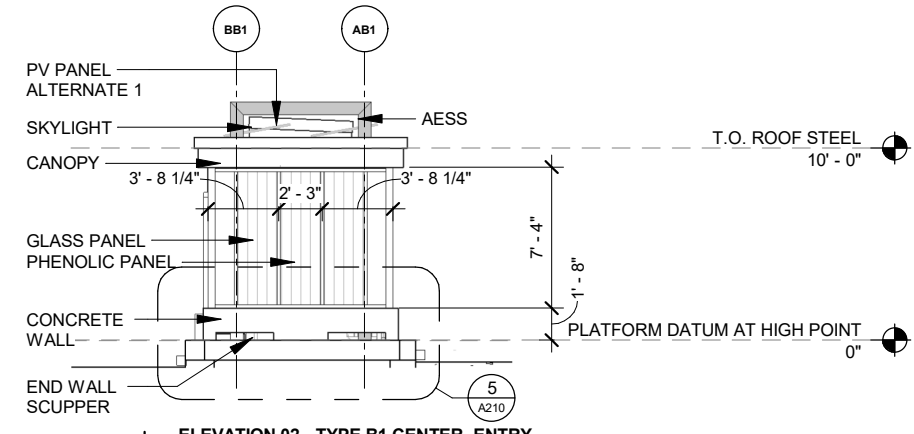
60631225P  
 A208



1 ELEVATION 01 - TYPE B1 CENTER, ENTRY LEFT

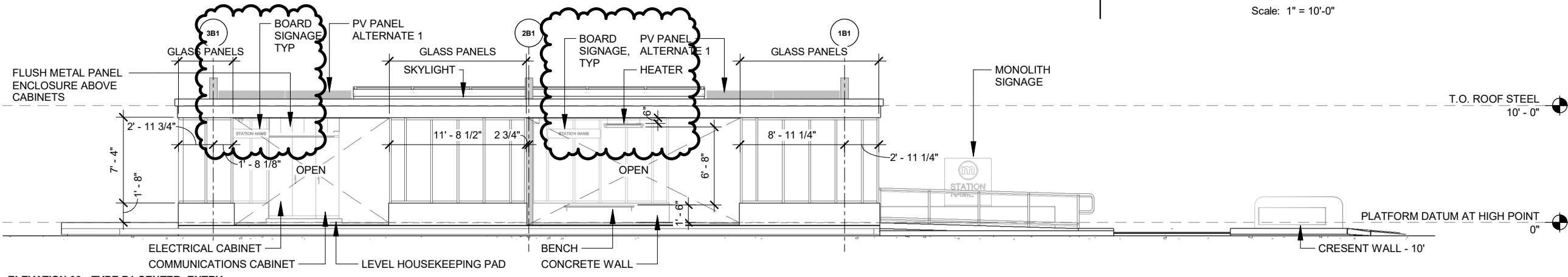
Scale: 1" = 10'-0"

GLASS SIZES - TYPE B1		
MEASURED FROM F/ MULLION TO F/MULLION		
QUANTITY	HEIGHT	WIDTH
2	6'-11 1/4"	11 3/4"
4	6'-11 1/4"	1'-1 1/4"
2	6'-11 1/4"	1'-2 1/4"
2	6'-11 1/4"	1'-3"
1	6'-11 1/4"	1'-10 3/8"
18	6'-11 1/4"	2'-1"
29	TOTAL	



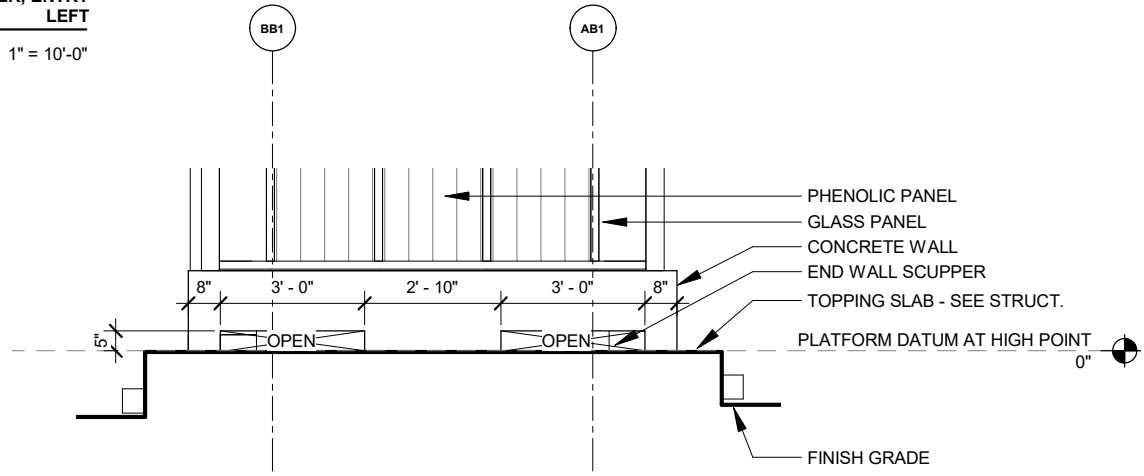
2 ELEVATION 02 - TYPE B1 CENTER, ENTRY LEFT

Scale: 1" = 10'-0"



3 ELEVATION 03 - TYPE B1 CENTER, ENTRY LEFT

Scale: 1" = 10'-0"



4 ELEVATION 04 - TYPE B1 CENTER, ENTRY LEFT

Scale: 1" = 10'-0"

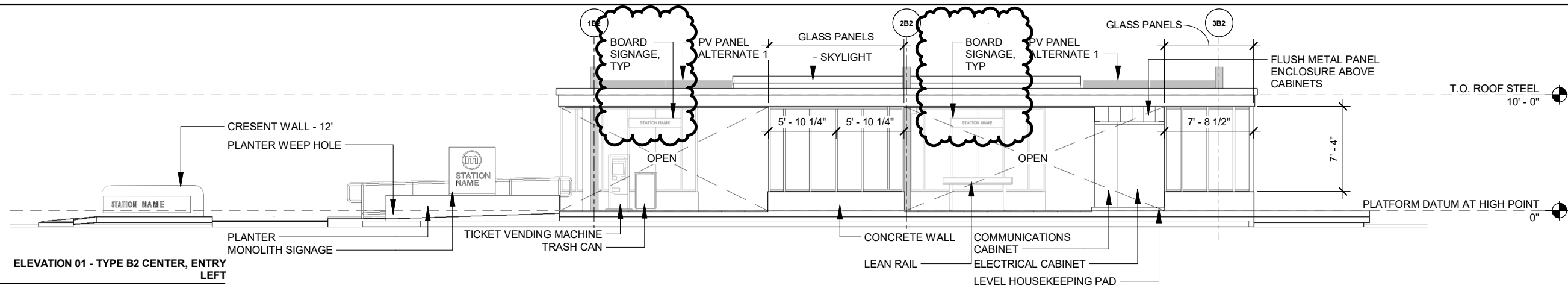
5 ELEV DETAIL - TYPE B1 END WALL SCUPPER

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

60631225P  
 CITY OF MADISON, DANE COUNTY, WI  
 CONTRACT NO: 60631225C  
 ELEVATION PLATFORM TYPE B1  
 BUS RAPID TRANSIT  
 CITY OF MADISON

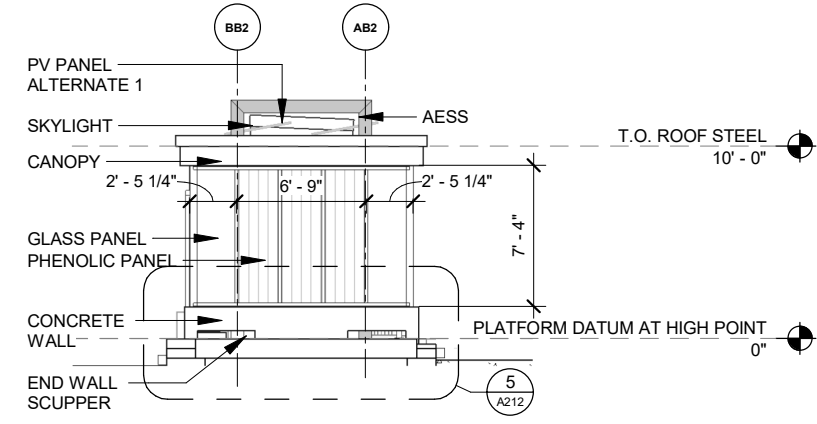
NO.	REVISION	DATE	BY
6	REVISION 10	02/08/2024	MARK
5	REVISION 5	09/15/2023	MARK
MARK			
Designed By: DSG   Date: 2/8/2024 6:27:54 PM   Scale: ...			



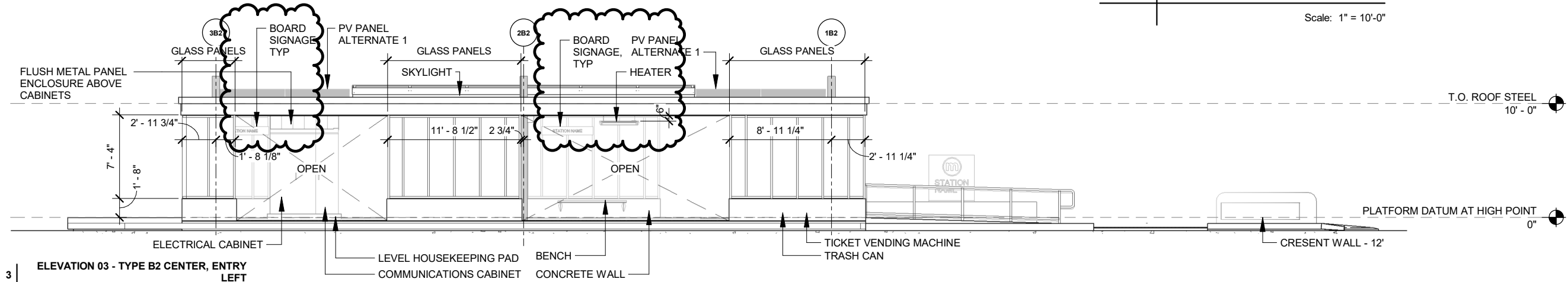


1 ELEVATION 01 - TYPE B2 CENTER, ENTRY LEFT  
Scale: 1" = 10'-0"

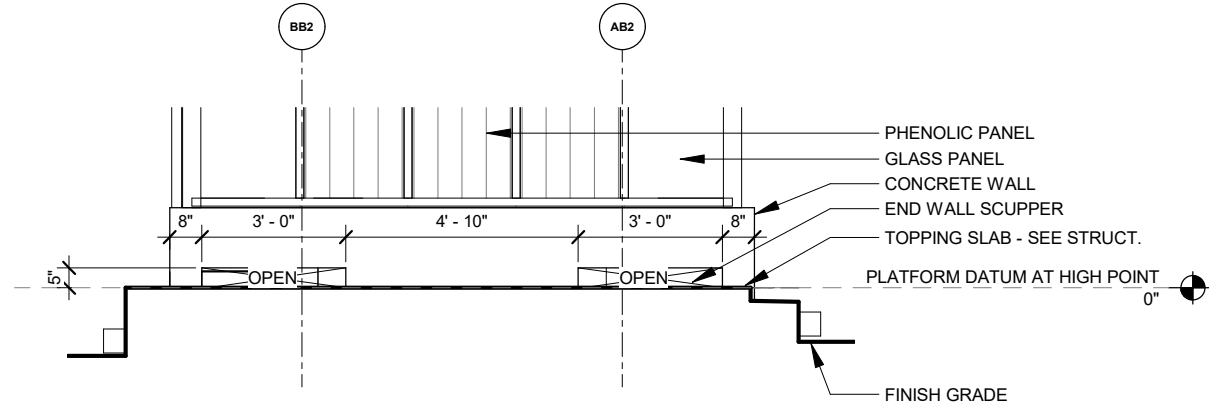
GLASS SIZES - TYPE B2		
MEASURED FROM F/ MULLION TO F/MULLION		
QUANTITY	HEIGHT	WIDTH
4	6'-11 1/4"	1'-1 1/4"
2	6'-11 1/4"	1'-2 1/4"
2	6'-11 1/4"	1'-3"
1	6'-11 1/4"	1'-10 3/8"
2	6'-11 1/4"	1'-11 3/4"
18	6'-11 1/4"	2'-1"
29	TOTAL	



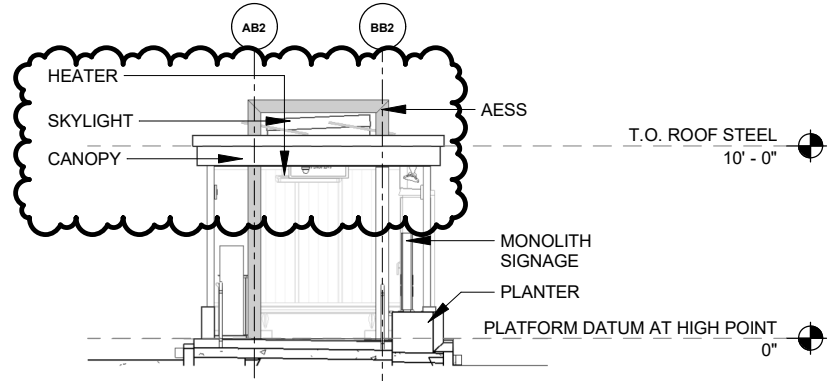
2 ELEVATION 02 - TYPE B2 CENTER, ENTRY LEFT  
Scale: 1" = 10'-0"



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



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



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

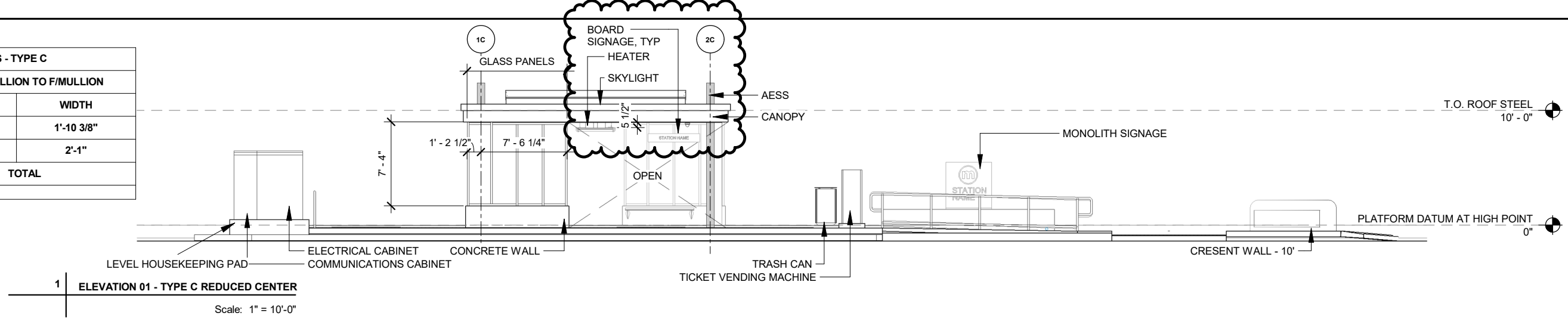
DATE	02/08/2024
BY	BY
REVISION	REVISION
MARK	MARK
DESIGNED BY	DSG
DATE	2/6/2024 6:27:56 PM
SCALE	Scale: ...

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

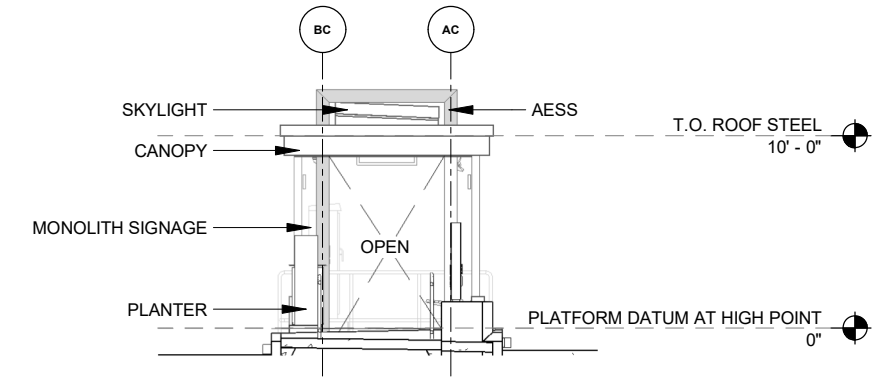


60631225P  
A212

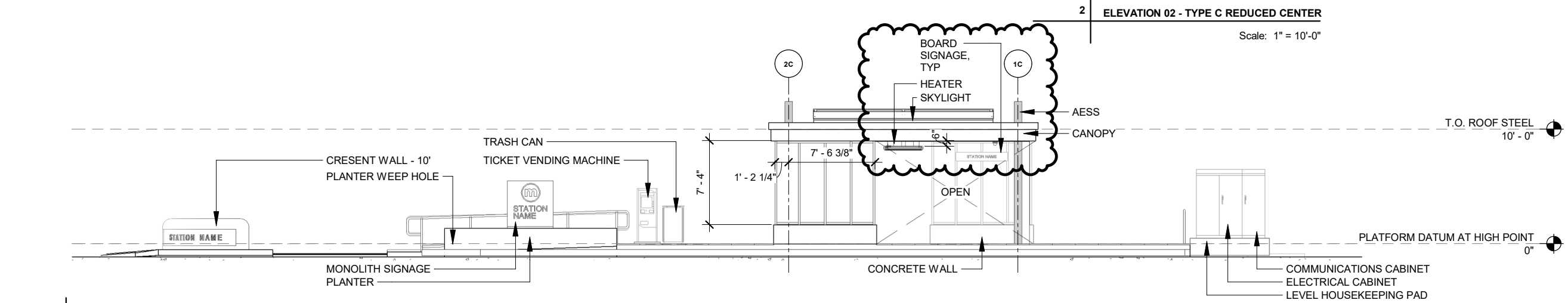
GLASS SIZES - TYPE C		
MEASURED FROM F/ MULLION TO F/MULLION		
QUANTITY	HEIGHT	WIDTH
4	6'-11 1/4"	1'-10 3/8"
4	6'-11 1/4"	2'-1"
8	TOTAL	



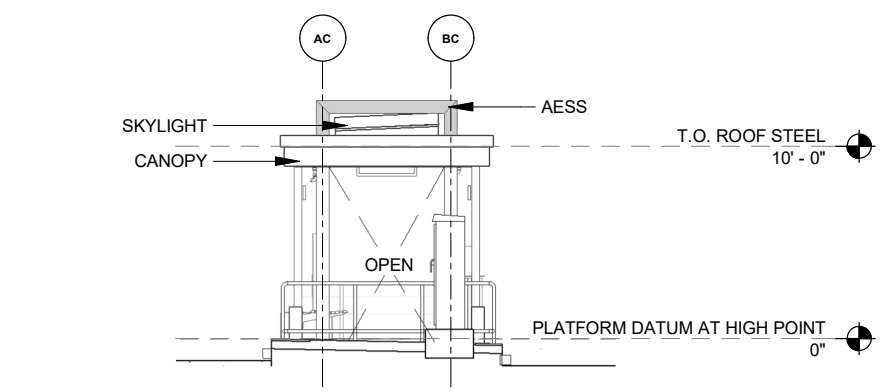
1 | **ELEVATION 01 - TYPE C REDUCED CENTER**  
Scale: 1" = 10'-0"



2 | **ELEVATION 02 - TYPE C REDUCED CENTER**  
Scale: 1" = 10'-0"



3 | **ELEVATION 03 - TYPE C REDUCED CENTER**  
Scale: 1" = 10'-0"



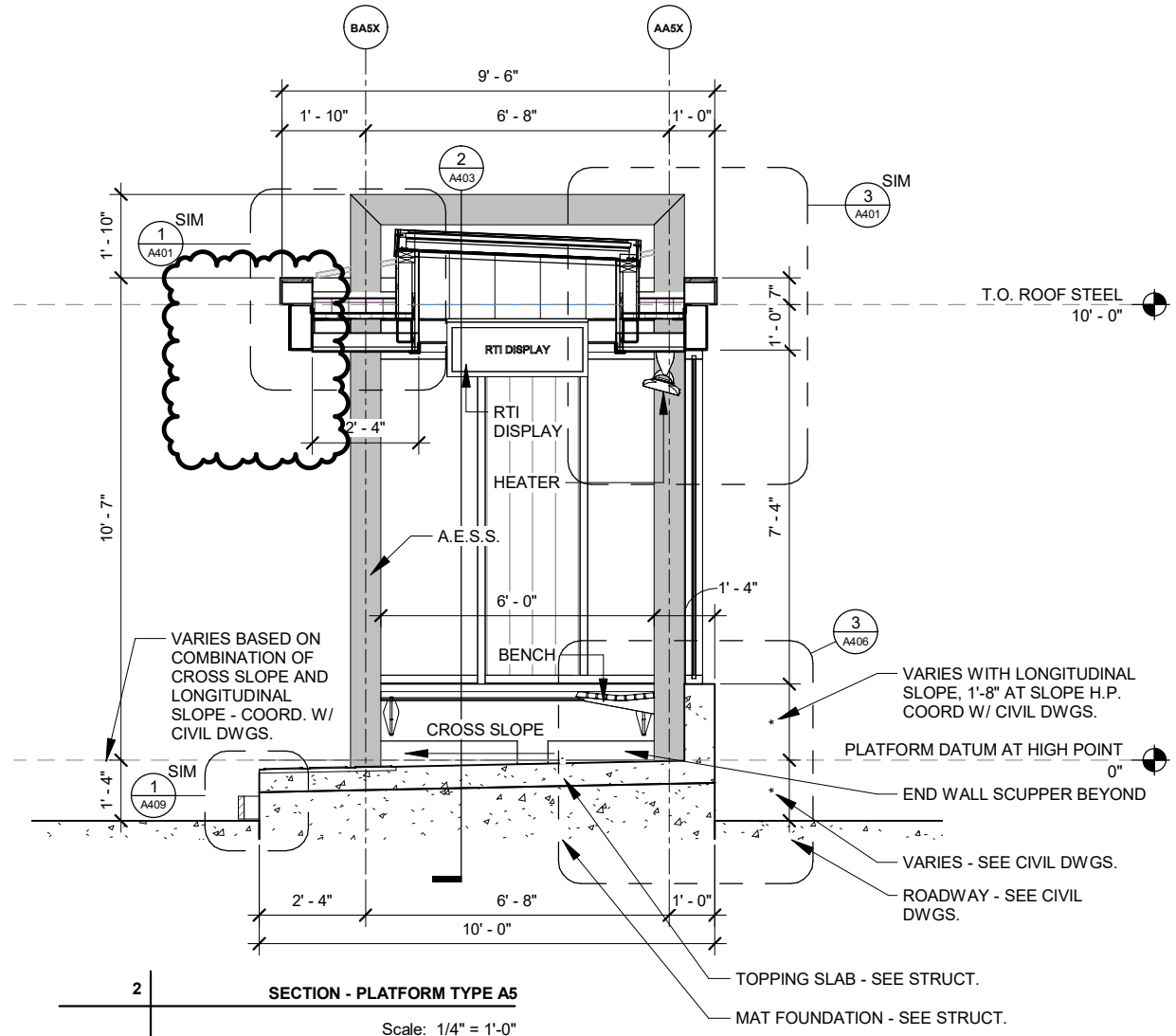
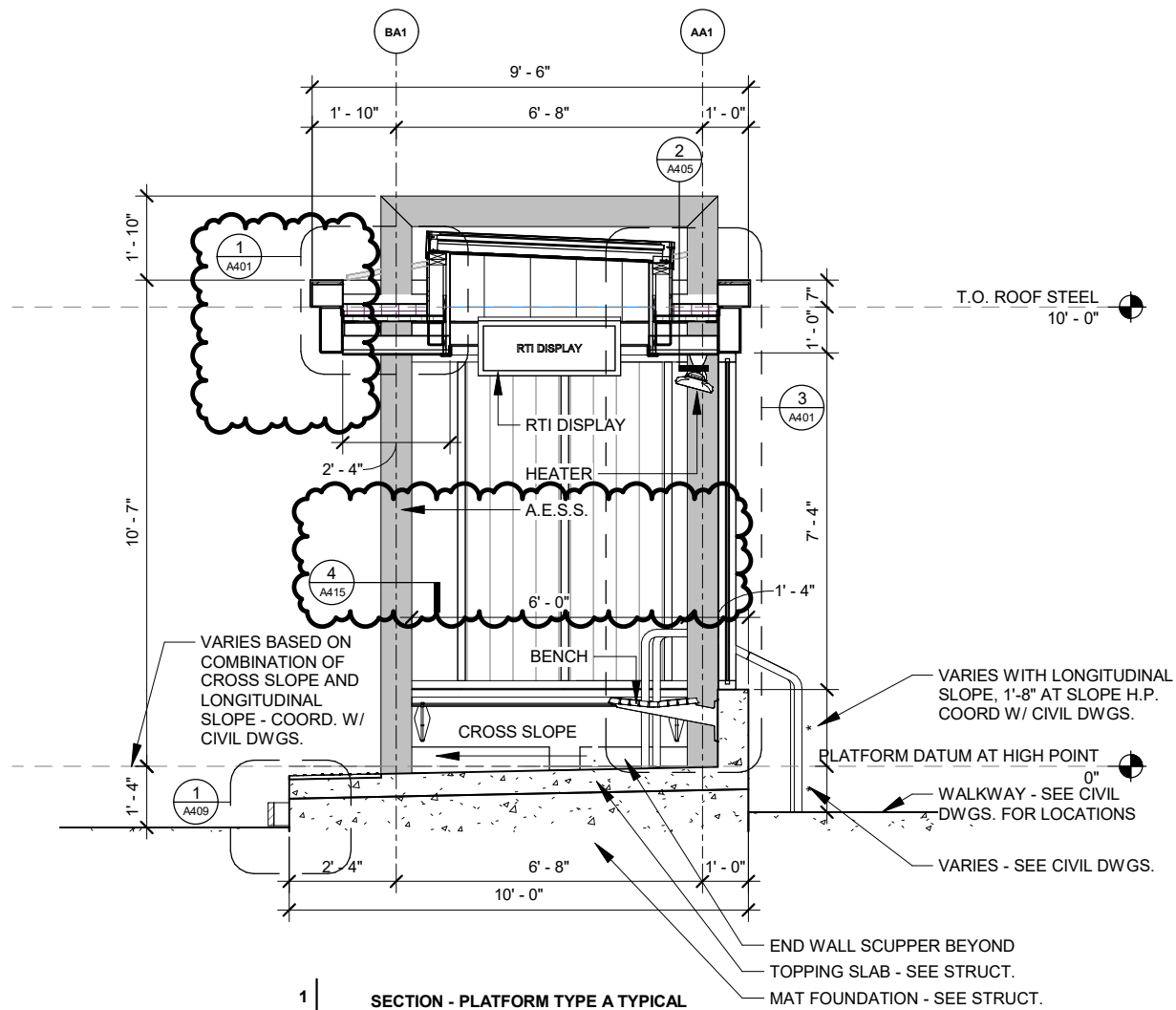
4 | **ELEVATION 04 - TYPE C REDUCED CENTER**  
Scale: 1" = 10'-0"

02/08/2024	DATE
09/15/2023	BY
REVISION 10	REVISION
REVISION 5	REVISION
MARK	MARK
DESIGNED BY: DSG	DATE: 2/8/2024 6:27:58 PM
SCALE: 1" = 10'-0"	SCALE: 1" = 10'-0"

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



60631225P  
A213



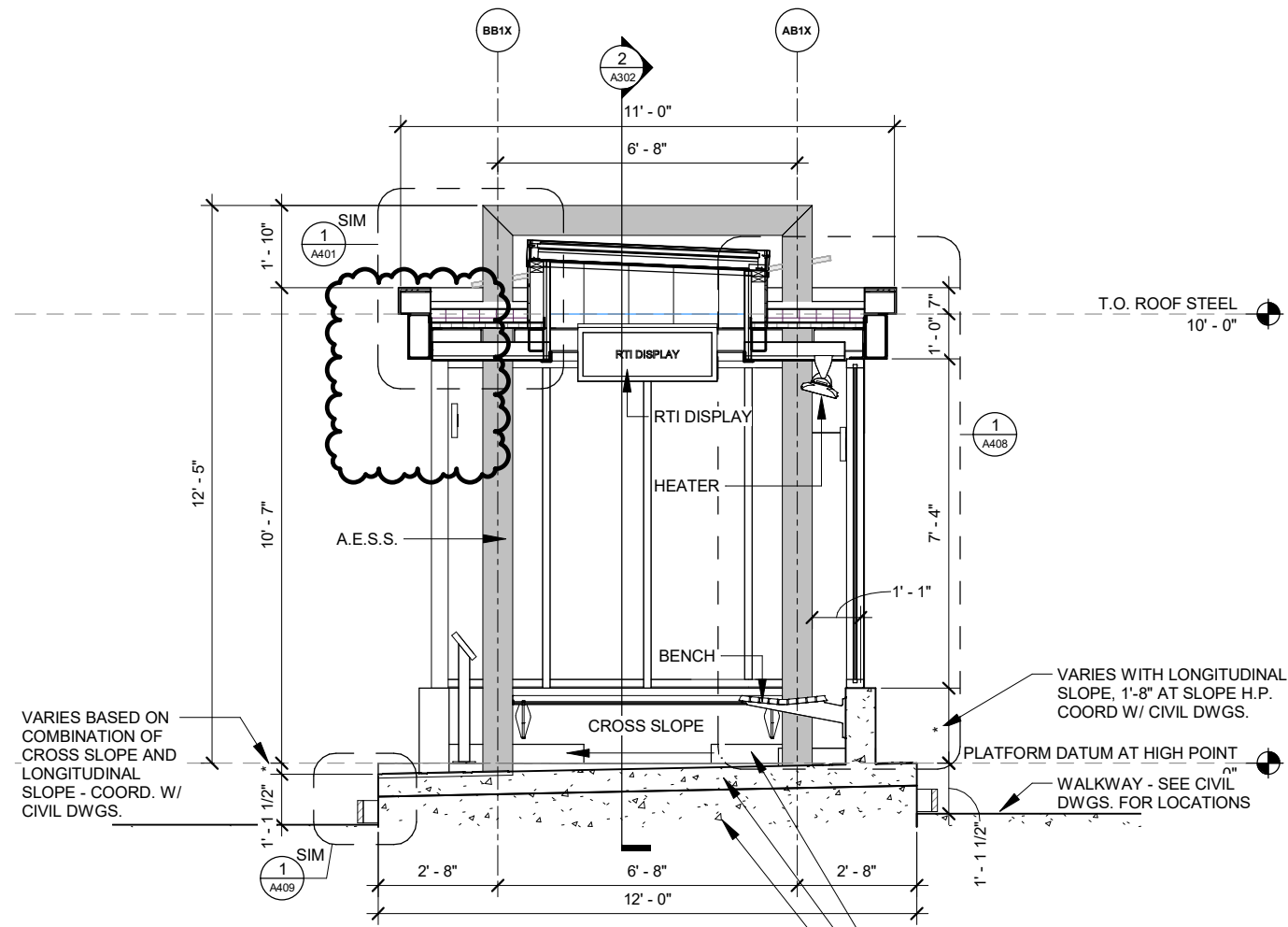
6	REVISION 10	02/08/2024	BY
5	REVISION 5	09/15/2023	DATE
MARK	REVISION	2/8/2024 6:27:59 PM	Scale: ---
Designed By: DSG			

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

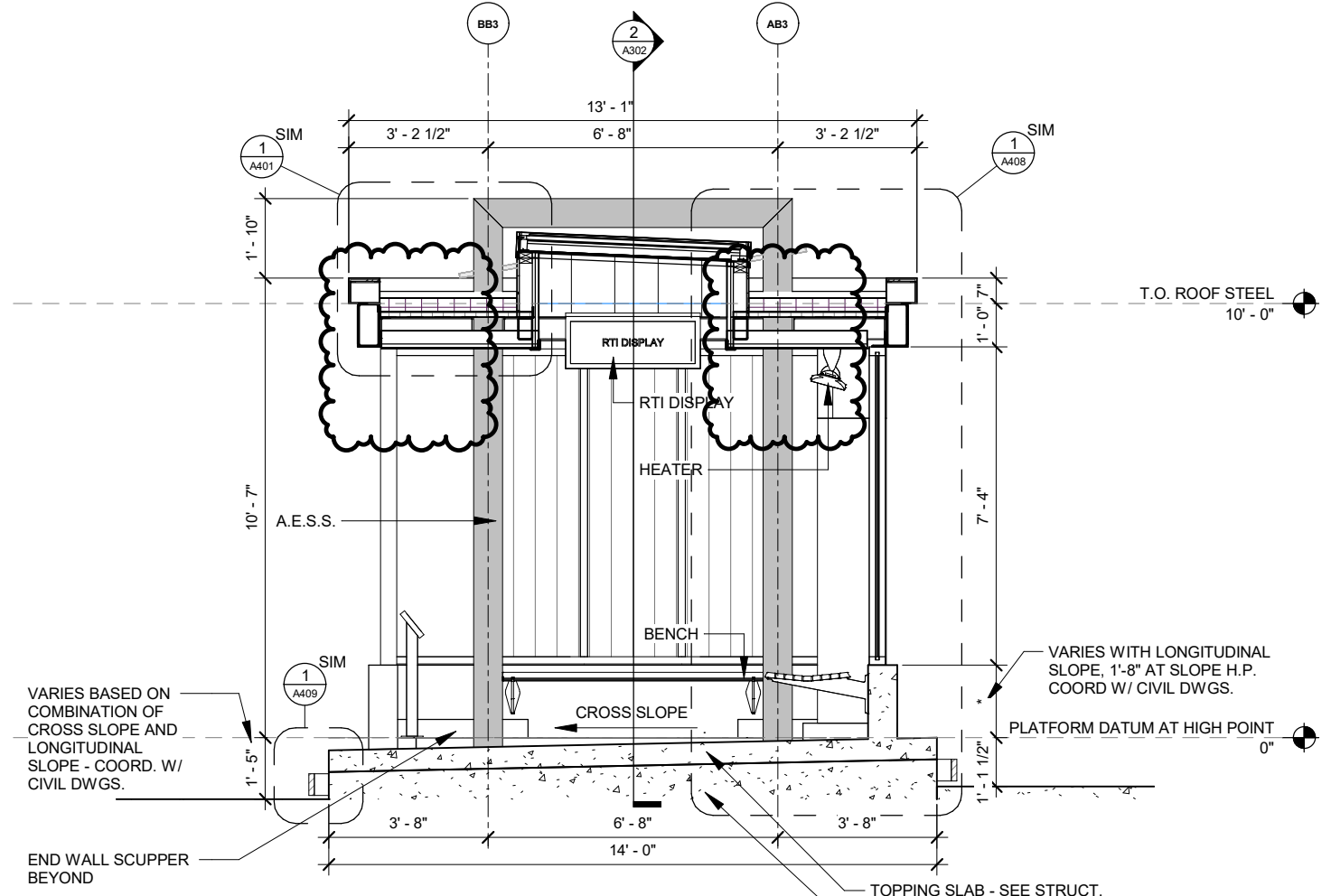
PLATFORM SECTIONS TYPE A  
BUS RAPID TRANSIT  
CITY OF MADISON



60631225P  
A300



**1** SECTION - PLATFORM TYPE B1 & C  
Scale: 1/4" = 1'-0"



**2** SECTION - PLATFORM TYPE B2  
Scale: 1/4" = 1'-0"

6	REVISION 10	02/08/2024	BY
5	REVISION 5	09/15/2023	DATE
MARK	REVISION	2/8/2024 6:27:59 PM	Scale: ---
DESIGNED BY: DSG	DATE:		

60631225P  
CITY OF MADISON, DANE COUNTY, WI  
CONTRACT NO: 60631225C  
PLATFORM SECTIONS TYPE B & C  
BUS RAPID TRANSIT  
CITY OF MADISON



60631225P

A301

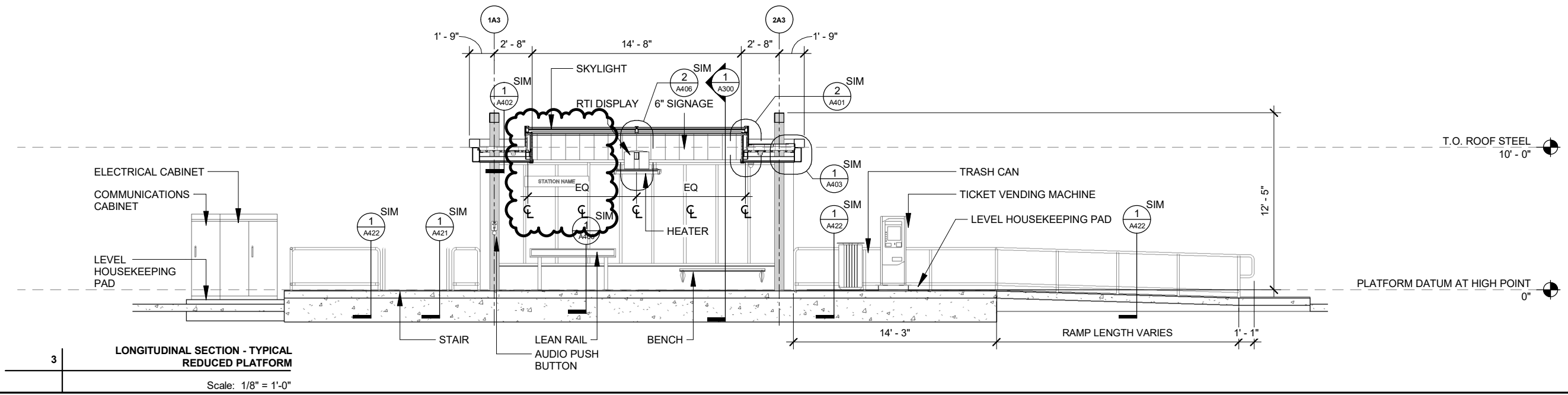
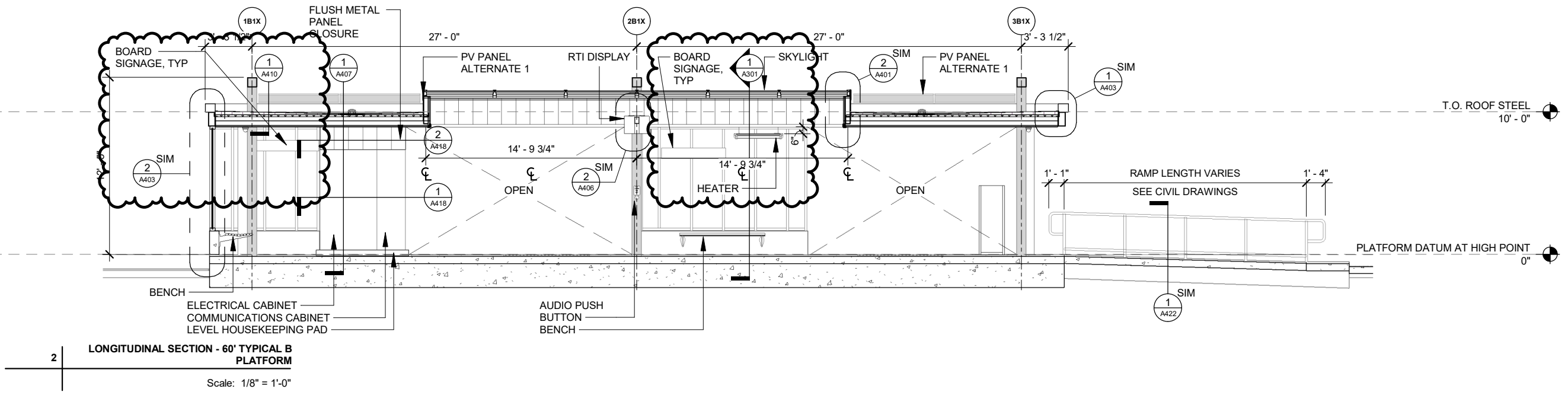
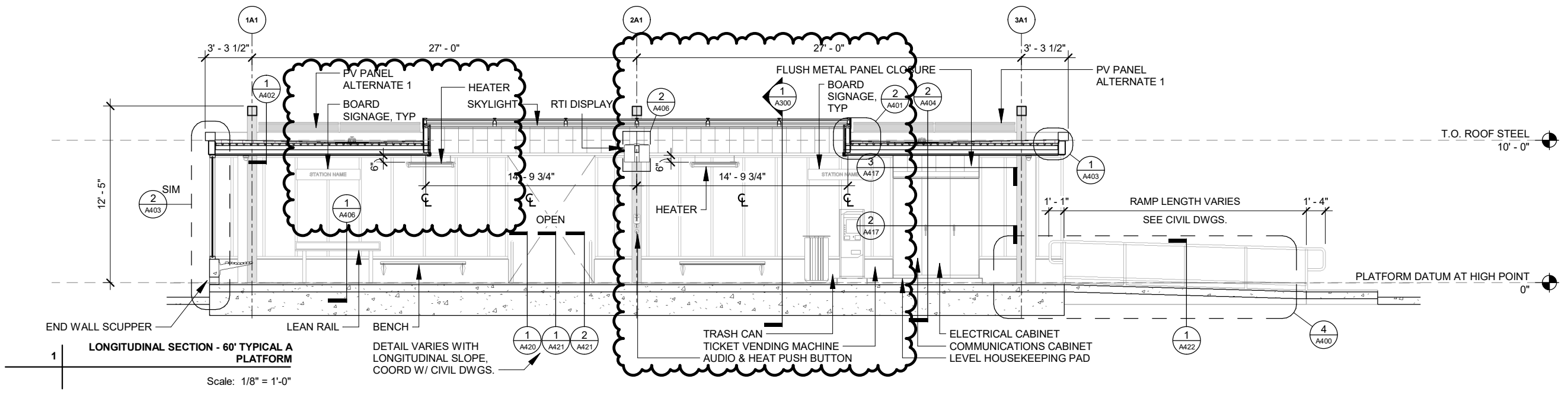
6	REVISION 10	02/08/2024	BY
5	REVISION 5	09/15/2023	DATE
4	REVISION 4	09/13/2023	DATE
MARK	DESIGNED BY: DSG	DATE: 2/6/2024 6:23:00 PM	SCALE: --

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

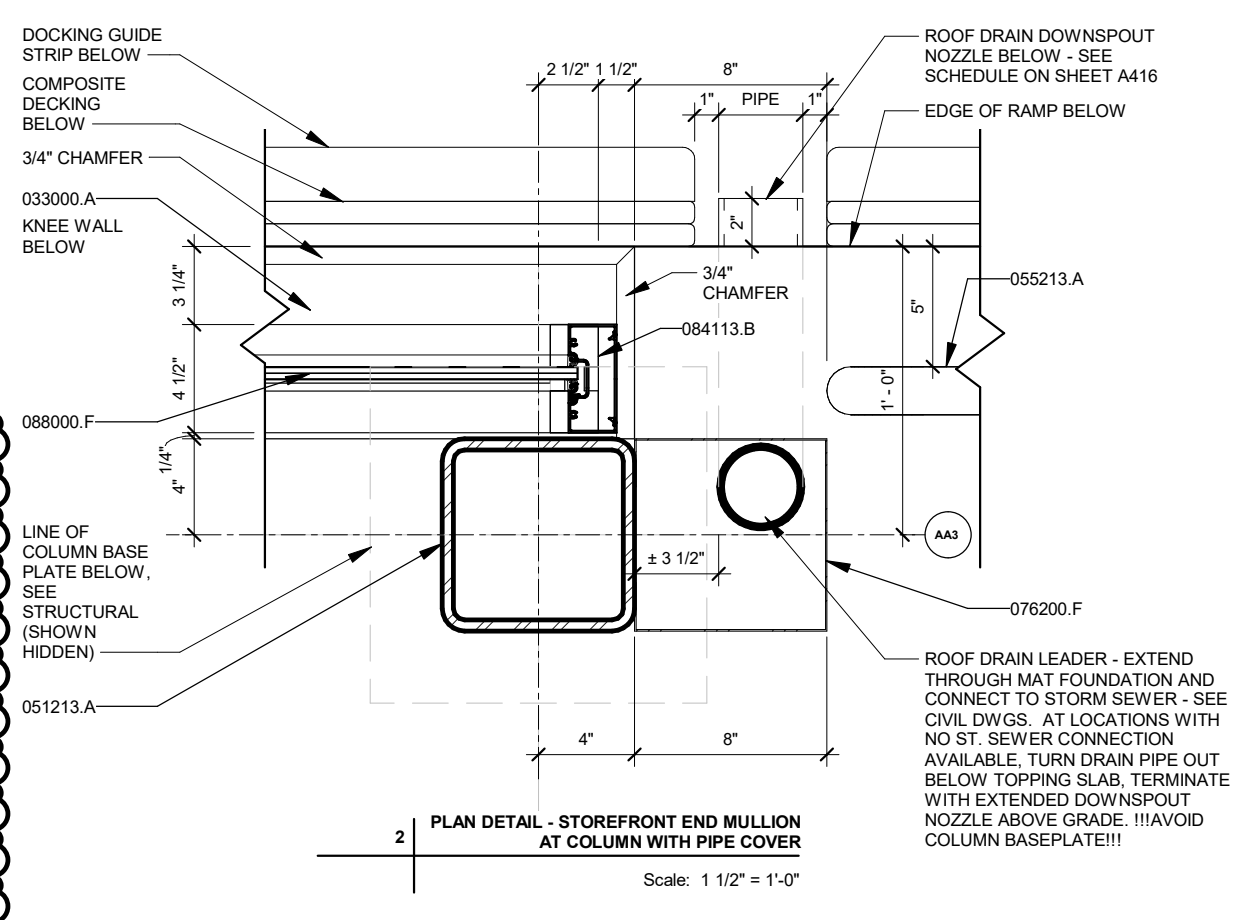
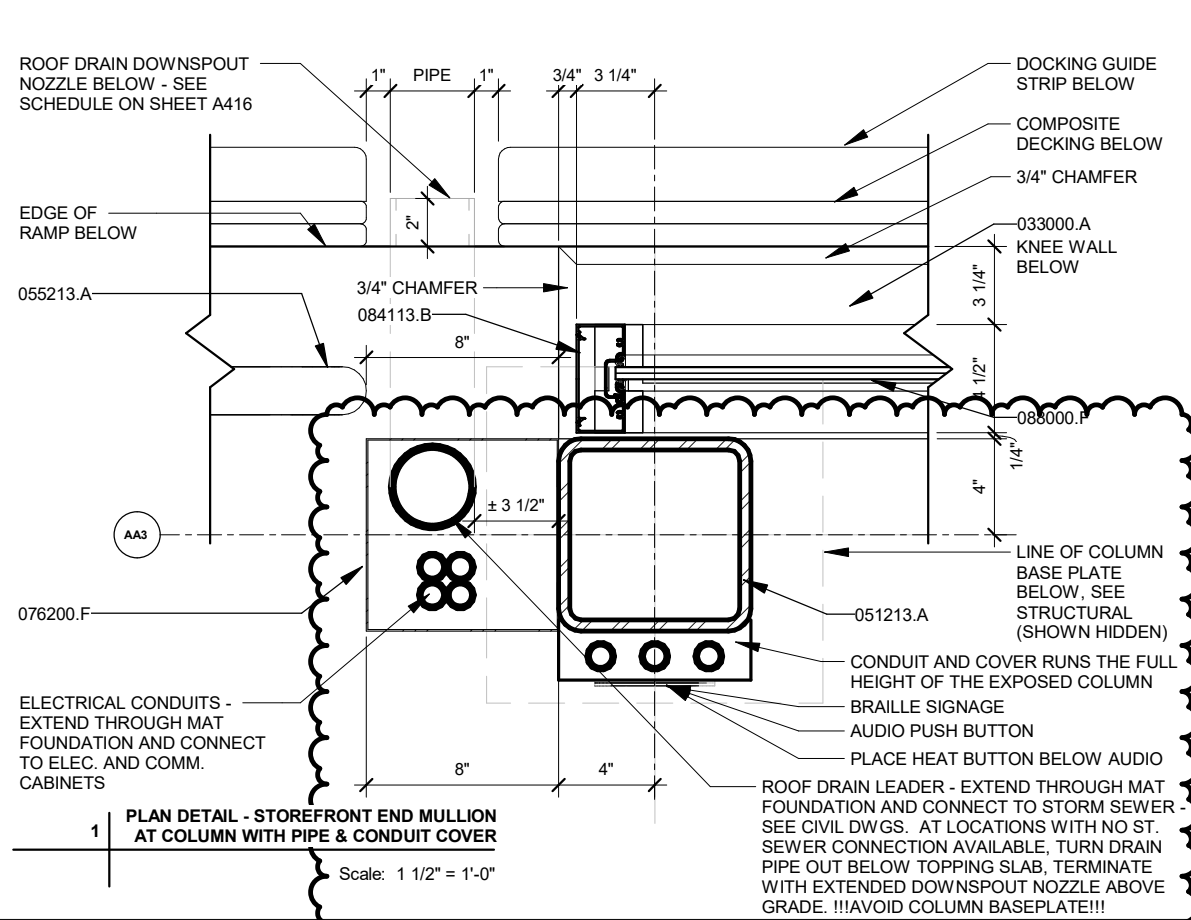
PLATFORM LONGITUDINAL SECTIONS  
 BUS RAPID TRANSIT  
 CITY OF MADISON



60631225P  
 A302

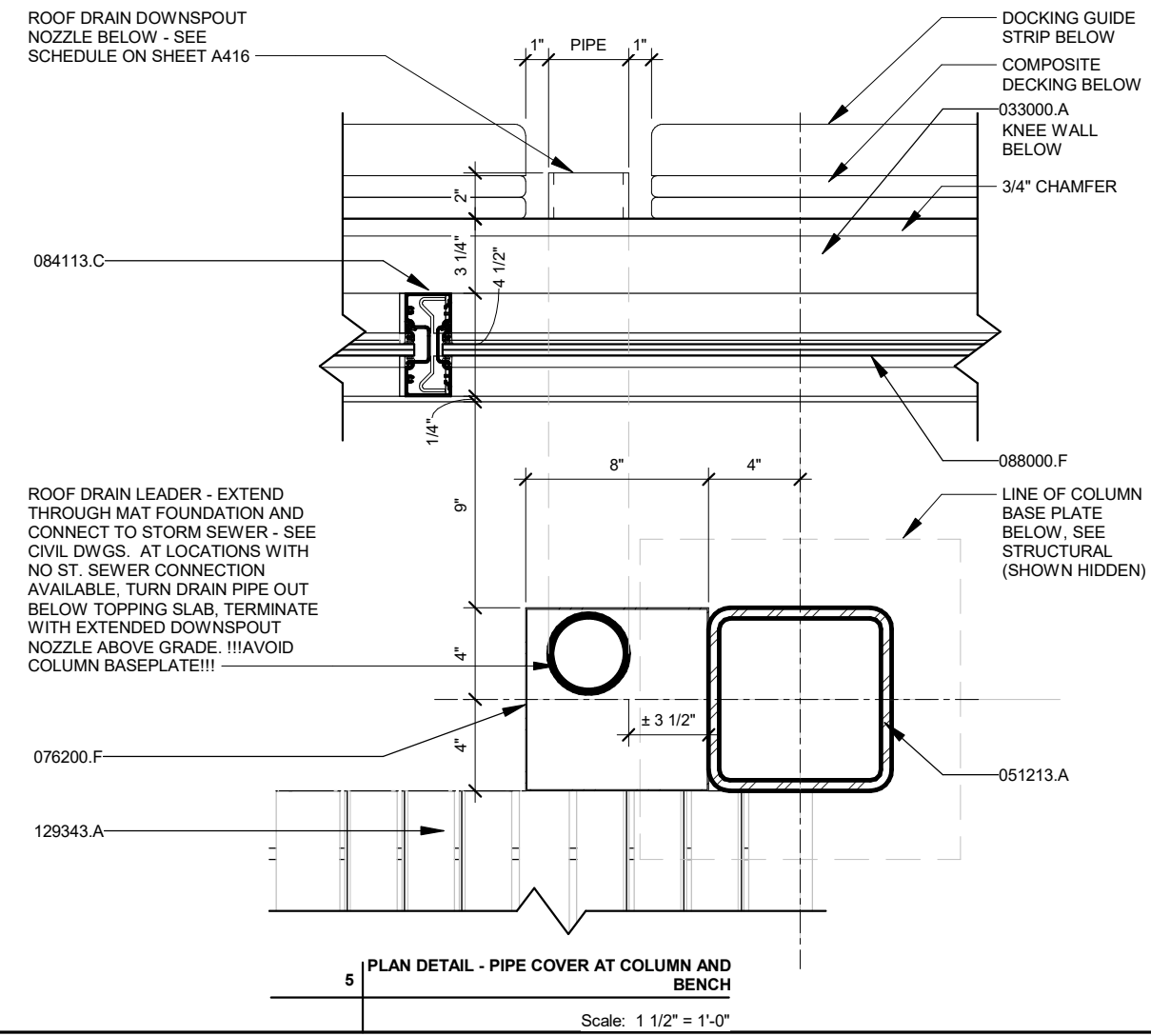


CONSTRUCTION KEYNOTES	
KEY	DESCRIPTION
033000.A	CONCRETE - REFER TO STRUCTURAL DRAWINGS
051213.A	ARCHITECTURALLY EXPOSED STRUCTURAL STEEL FRAMING - PAINT, SEE STRUCTURAL
055213.A	PIPE AND TUBE RAILINGS - 2" DIA. NPS 316L STAINLESS STEEL ARCHITECTURAL RAILING
076200.F	16 GA. PREFINISHED BRAKE METAL COVER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



**STORM DISCHARGE TYPES AND LOCATIONS**

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



REVISION	DATE	BY
6	02/08/2024	REVISION
4	09/13/2023	REVISION
1	11/09/2022	REVISION
MARK		MARK

Designed By: DSG Date: 2/8/2024 6:23:00 PM Scale: ---

60631225P  
CITY OF MADISON, DANE COUNTY, WI  
CONTRACT NO: 60631225C  
PLAN DETAILS  
BUS RAPID TRANSIT  
CITY OF MADISON  
60631225P  
A416