



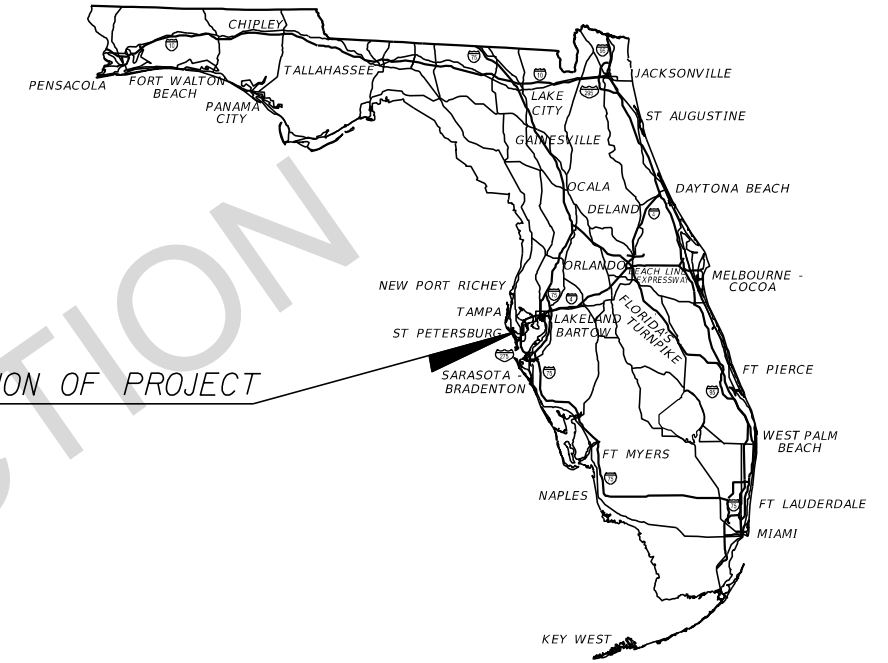
PINELLAS SUNCOAST TRANSIT AUTHORITY

CONTRACT PLANS

FDOT FINANCIAL PROJECT ID 437245-1-21-01
CENTRAL AVENUE BUS RAPID TRANSIT
PINELLAS COUNTY

CONTRACT PLANS COMPONENTS

ARCHITECTURAL PLANS



LOCATION OF PROJECT

INDEX OF ARCHITECTURAL PLANS

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90% PRELIMINARY PLANS
NOVEMBER 15, 2019

PLANS PREPARED BY:
CDM SMITH
101 SOUTHHALL LANE
SUITE 200
MAITLAND, FL, 32751
PHONE: (407) 660-6413
CERTIFICATE OF AUTHORIZATION 406

ARCHITECTURAL PLANS
ARCHITECT:
MICHAEL T. ALFORD, No. AR92055

NOTE: THE SCALE OF THESE PLANS MAY HAVE
CHANGED DUE TO REPRODUCTION.

PSTA PROJECT MANAGER:
ABHISHEK DAYAL, AICP

SHEET
NO.

1

NOT FOR CONSTRUCTION

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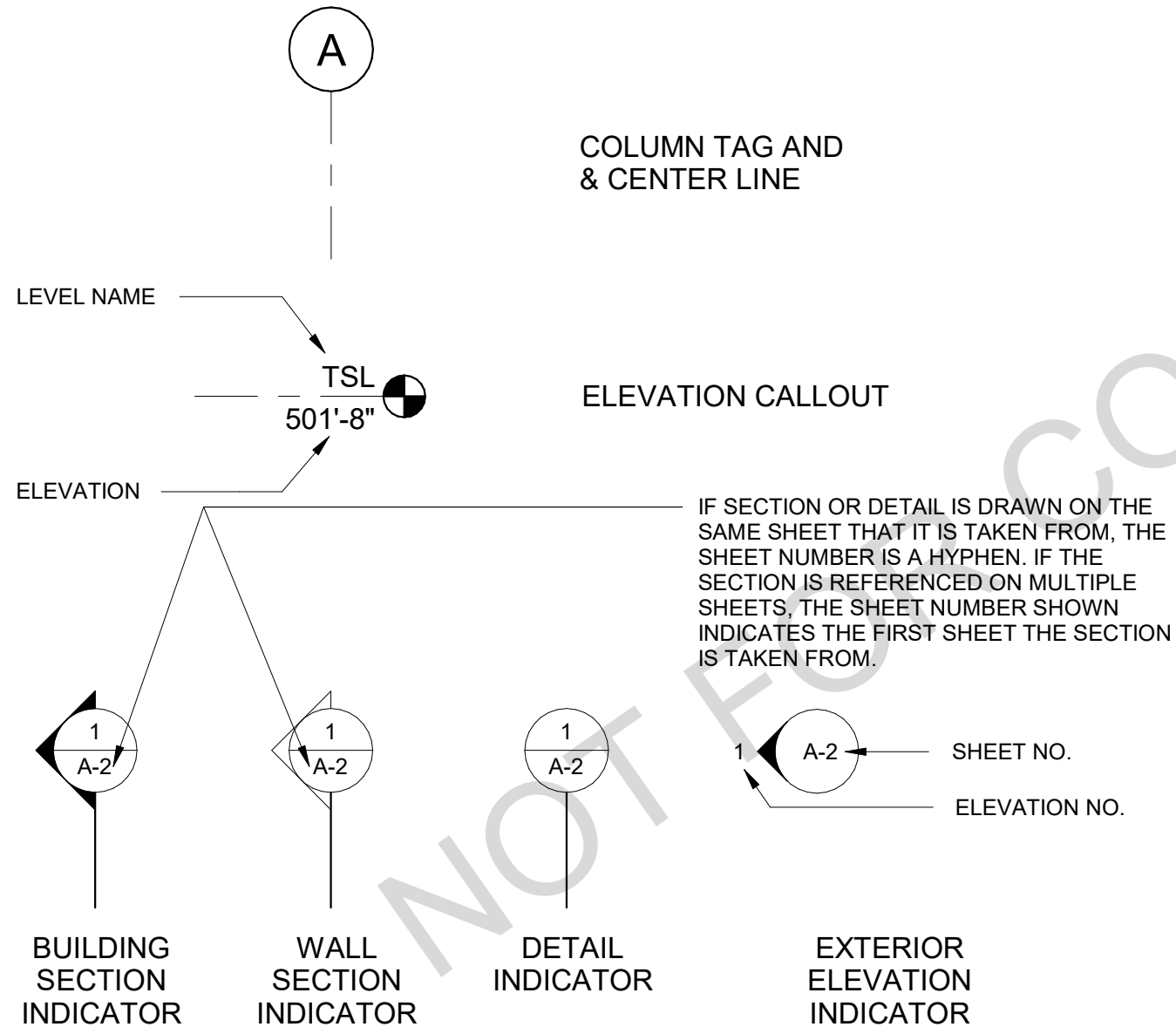
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LINE TYPES

(UNLESS OTHERWISE NOTED)

- CONTINUOUS - NEW CONSTRUCTION
- - - - - DASHED ON CONSTRUCTION PLAN/SHEETS - HIDDEN ELEMENTS BEYOND, ABOVE OR BELOW

SYMBOLS



MATERIAL SYMBOLS

- | | | | |
|--|-----------------------------|--|--------------------|
| | EARTH | | PLYWOOD |
| | GRAVEL | | RIGID INSULATION |
| | BRICK | | BLANKET INSULATION |
| | CONCRETE MASONRY UNIT (CMU) | | STEEL |
| | PRECAST CONCRETE | | ALUMINUM |
| | CAST-IN-PLACE CONCRETE | | STUCCO / GROUT |
| | WOOD BLOCKING | | CAULK |
| | WOOD FINISH | | |

GENERAL NOTES

- NOT ALL EQUIPMENT IS SHOWN FOR CLARITY. REFER TO THE APPROPRIATE DISCIPLINE SHEETS FOR SPECIFIC EQUIPMENT LAYOUT AND OTHER REQUIREMENTS
- SEE CIVIL SHEETS FOR SIDEWALK, ROAD PAVING AND FINISH GRADE ELEVATIONS.
- SEE STRUCTURAL SHEETS FOR CONCRETE AND MASONRY REINFORCEMENT
- ALL ITEMS TO BE NEW UNLESS SPECIFICALLY NOTED OTHERWISE.
- DO NOT SCALE FROM THE DRAWINGS
- NOTIFY ARCHITECT IF CONSTRUCTION DOCUMENTS DIFFER FROM ACTUAL FIELD CONDITIONS PRIOR TO FABRICATION OR NEW CONSTRUCTION
- THIS DRAWING CONTAINS A GENERAL LIST OF SYMBOLS AND ABBREVIATIONS. NOT ALL ITEMS SHOWN HERE APPEAR ON THE CONTRACT DRAWINGS.

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GENERAL NOTES AND SYMBOLS

SHEET NO.
A-00

ABBREVIATIONS

&	AND	EXIST, (E)	EXISTING	MTL	METAL	SLNT	SEALANT
@	AT	FD	FLOOR DRAIN	NIC	NOT IN CONTRACT	SPEC	SPECIFICATION, SPECIFIED
AB	ANCHOR BOLT	FE	FIRE EXTINGUISHER	NOM	MONINAL	SST	STAINLESS STEEL
ABV	ABOVE	FF	FACTORY FINISH	NTS	NOT TO SCALE	STD	STANDARD
ACMU	ACOUSTICAL CONCRETE MASONRY UNIT	FGL	FIBERGLASS	OC	ON CENTER	STL	STEEL
AFF	ABOVE FINISHED FLOOR	FIN	FINISH(ED)	OH	OVERHANG	STOR	STORAGE
AFG	ABOVE FINISHED GRADE	FLG	FLASHING	OPNG	OPENING	STRU	STRUCTURE(S, URAL)
AL, ALUM	ALUMINUM	FL	FLOOR(ING)	OPP HD	OPPOSITE HAND	SUSP	SUSPENDED
AMP	ACOUSTICAL METAL PANELS	FLR	FILLER	ORD	OVERFLOW ROOF DRAIN	T	TREAD(S)
ANOD	ANODIZE(D)	FR	FRAME	OSB	ORIENTED STRAND BOARD	TEMP	TEMPERATURE
ASSY	ASSEMBLY	FRP	FIBERGLASS REINFORCED PLASTIC	OV	OVER	TEMP	TEMPERED
BBT	BIOBASED TILE	FO	FRAME OPENING	OVHD	OVERHEAD	TEMP	TEMPORARY
BD	BOARD	FV	FIELD VERIFY	PERIM	PERIMETER	TER	TERRAZZO
BEV	BEVEL(ED)	FXD	FIXED	PL	PLATE	TERB	TERRAZZO BASE
BLDG	BUILDING	GA	GAGE, GAUGE	PL	PROPERTY LINE	THK	THICK(NESS)
BLK	BLOCK	GALV	GALVANIZED	PLAS	PLASTER	THR	THRESHOLD
BLKG	BLOCKING	GL	GLASS	PLK	PLANK	TOB	TOP OF BRICK
BRG	BEARING	GB	GLASS BLOCK	PLYWD	PLYWOOD	TOC	TOP OF CONCRETE
BRK	BRICK	GRT	GRATING	PM	PRESSED METAL	TOM	TOP OF MASONRY
BRS	BRASS	GYP	GYP SUM	PR	PAIR	TOPG	TOPPING
BRZ	BRONZE	GWB	GYP SUM WALL BOARD	PRD	PROMENADE ROOF DRAIN	TOS	TOP OF STEEL
BTM	BOTTOM	HARD	HARDENER	PRCST	PRECAST	TS	STRUCTURAL TUBING (STEEL UNO)
C TO C	CENTER TO CENTER	HD	HEAVY DUTY	PREFAB	PRE-FABRICATED	TSL	TOP OF SLAB
CAB	CABINET	HDWD	HARDWOOD	PT	PREASSURE TREATED	TYP	TYPICAL
CEM	CEMENT	HDWR	HARDWARE	PRMLD	PREMOLDED	UC	UNDERCUT
CF	COMPRESSIBLE FILLER	HGR	HANGER	PSF	POUNDS PER SQUARE FOOT	UON	UNLESS OTHERWISE NOTED
CGFB	CEMENTITIOUS GLASS FIBER BOARD	HGT	HEIGHT	PTD	PAINTED	VB	VAPOR BARRIER
CH	CONCRETE HARDENER	HM	HOLLOW METAL	QT	QUARRY TILE	VCT	VINYL COMPOSITE TILE
CHAM	CHAMFER	HOR	HORIZONTAL	QTB	QUARRY TILE BASE	VERT	VERTICAL
CHAN	CHANNEL	HP	HIGH POINT	R	RISER(S)	VEST	VESTIBULE
CIP	CAST IN PLACE	HR	HANDRAIL	R+S	BACKER ROD & SEALANT	VTR	VENT THRU ROOF
CJ	CONTROL JOINT	IN	INCH	RB	RUBBER BASE	W or W/	WITH
CL OR	CENTERLINE	INST	INSTRUMENTATION	RD	ROOF DRAIN	W/A	WHERE APPLICABLE
CLG	CEILING	INSUL	INSULATION	RECT	RECEPTACLE	W/O	WITHOUT
CLKG	CAULKING	JC	JANITOR'S CLOSET	REF	ROOF EXHAUST FAN	WC	WATER CLOSET
CMU	CONCRETE MASONRY UNIT	JT	JOINT	REINF	REINFORCE (D, ING)	WD	WOOD
COL	COLUMN	JT FLR	JOINT FILLER	REQ'D	REQUIRED	WDW	WINDOW
COMP	COMPRESSIBLE	LAB	LABORATORY	REV	REVISED	WF	WIDE FLANGE
CONC	CONCRETE	LAD	LADDER	RF	ROOF FAN	WPG	WATERPROOFING
CONT	CONTINUOUS	LAM	LAMINATED	RFG	ROOFING	WT	STEEL TEE-SHAPE DESIGNATION
CRPT	CARPET, CARPET TILE	LAV	LAVATORY	RGH	ROUGH	WWF	WELDED WIRE FABRIC
CRS	COURSE(S)	LG	LAMINATED GLASS	RJ	REVEAL/RUSTICATION JOINT		
CT	CERAMIC TILE	LINO	LINOLEUM	RL	RAIN LEADER		
CET	DETAIL	LKR	LOCKER	RLG	RAILING		
DF	DRINKING FOUNTAIN	LNTL	LINTEL	RM	ROOM		
DIA	DIAMETER	LP	LOW POINT	RO	ROUGH OPENING		
DIAG	DIAGONAL	LT	LIGHT(S)	RT	RUBBER TILE		
DIM	DIMENSION	MAS	MASONRY	RWL	RAIN WATER LEADER		
DISP	DISPENSER	MATL	MATERIAL	S	STEEL S-SHAPED DESIGNATION		
DN	DOWN	MAX	MAXIMUM	SAT	SUSPENDED ACOUSTICAL TILE		
DP	DAMP PROOFING	MEMB	MEMBRANE	SB	SEAMLESS BASE		
DR	DRAIN	MFR	MANUFACTURER	SCHD	SCHEDULE		
ELEC	ELECTRICAL	MIN	MINIMUM	SCRN	SCREEN(ED, ING)		
ELEV	ELEVATION	MISC	MISCELLANEOUS	SECT	SECTION		
EQ	EQUAL(LY)	MO	MASONRY OPENING	SF	SEAMLESS FLOORING		
EQPT	EQUIPMENT	MR	MOISTURE RESISTANT	SGFT	STRUCTURAL GLAZED FACING TILE		
EWC	ELECTRICAL WATER COOLER	MRAT	MOISTURE RESISTANT ACOUSTICAL TILE	SHT	SHEET		
EXP	EXPOSED	MTD	MOUNTED	SIM	SIMILAR		
EJ	EXPANSION JOINT	MTG	MOUNTING	SK	SINK		
				SL	SLOPE		

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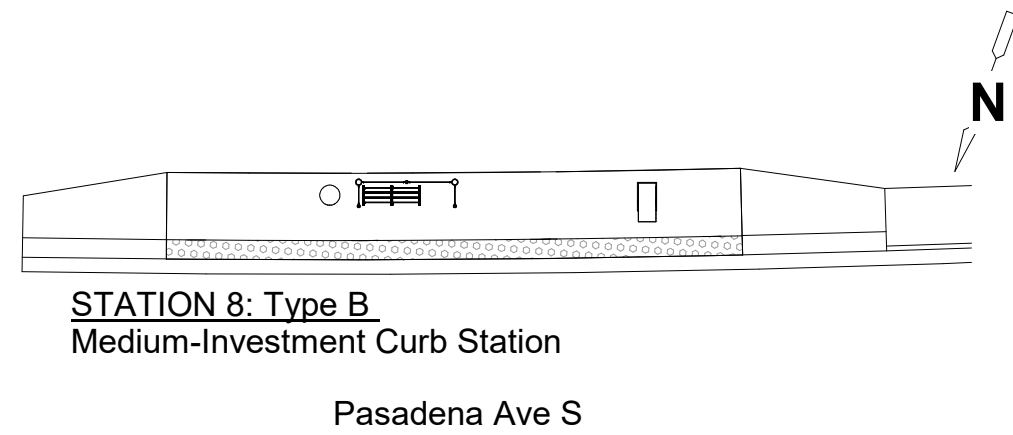
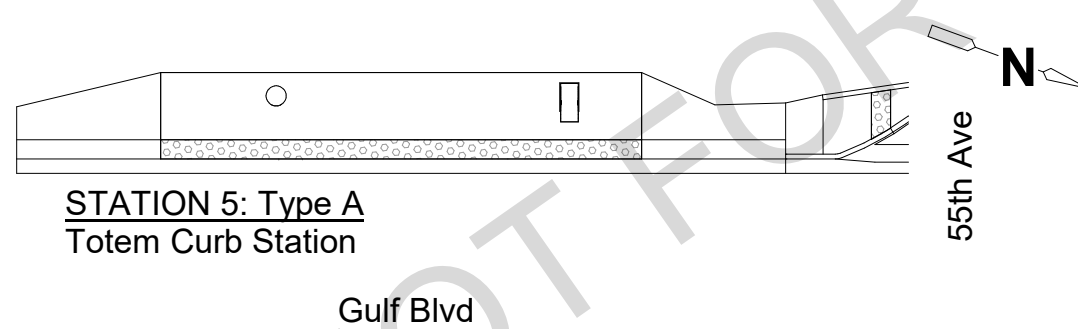
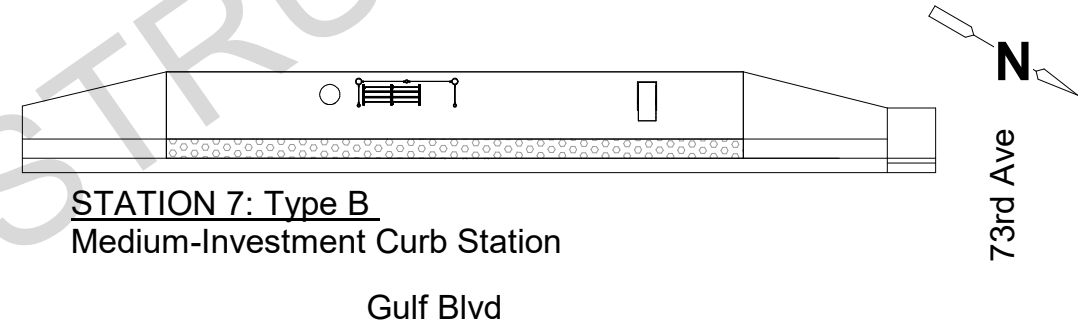
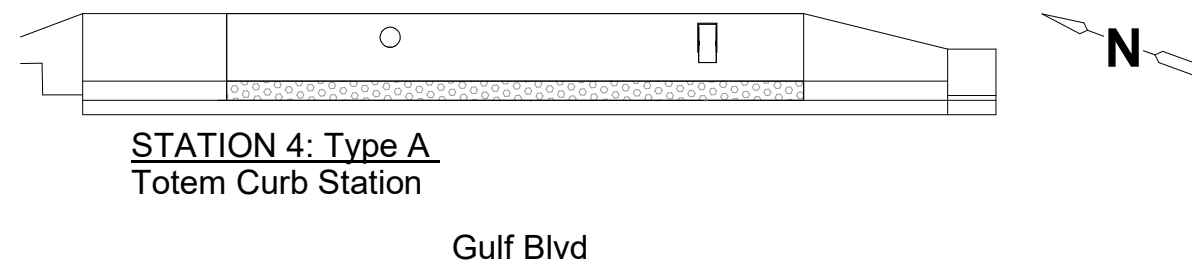
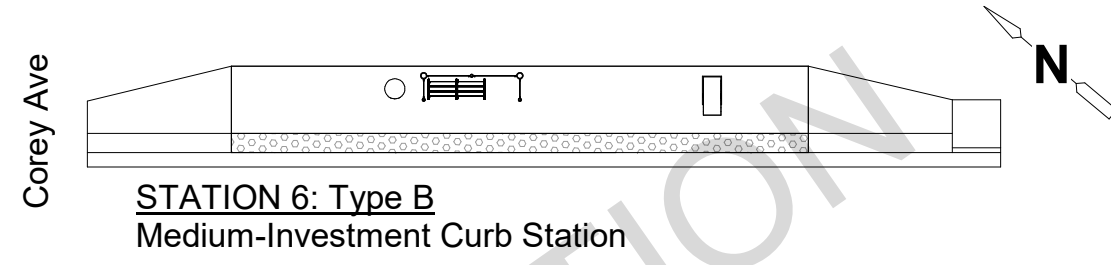
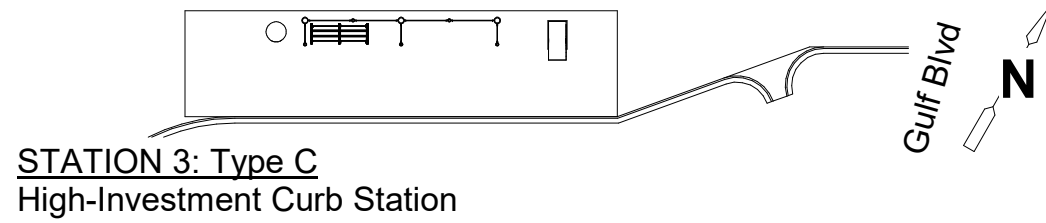


ABBREVIATIONS

SHEET NO.

A-01

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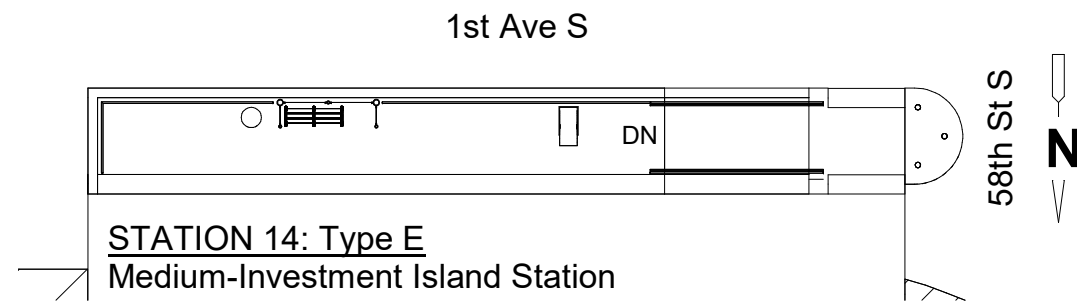
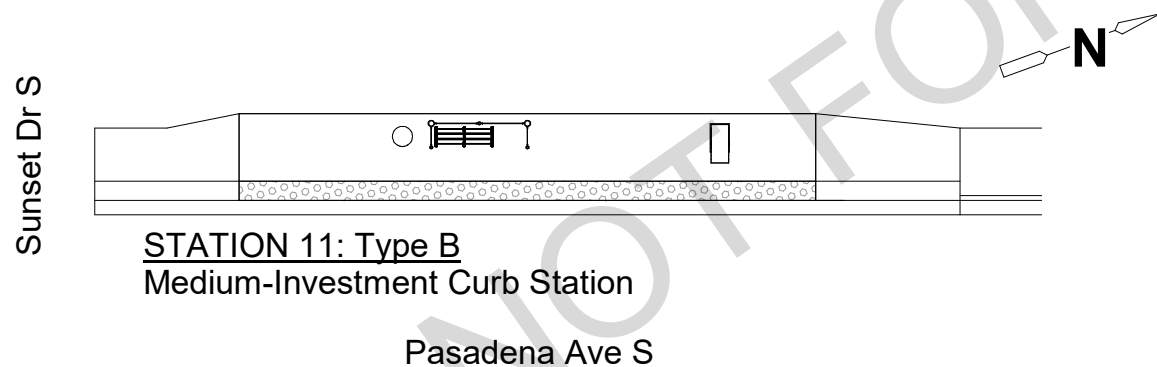
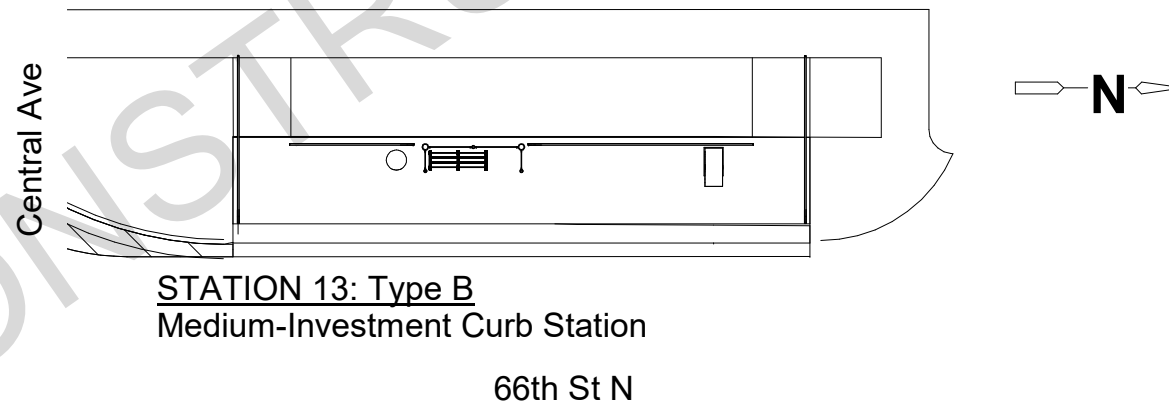
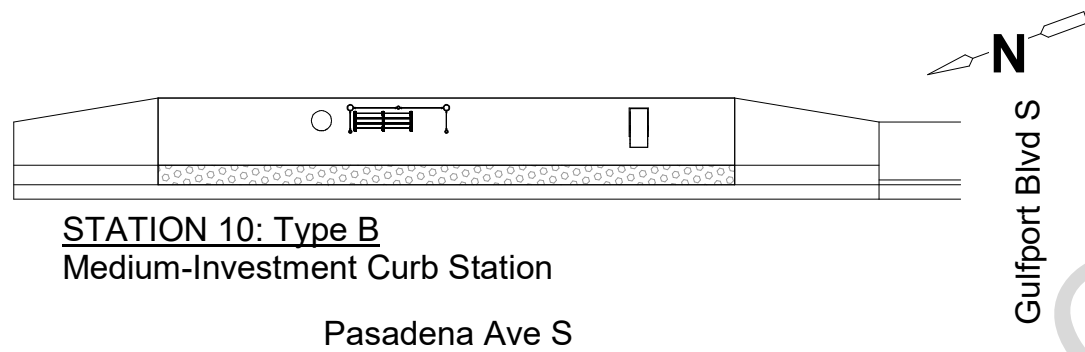
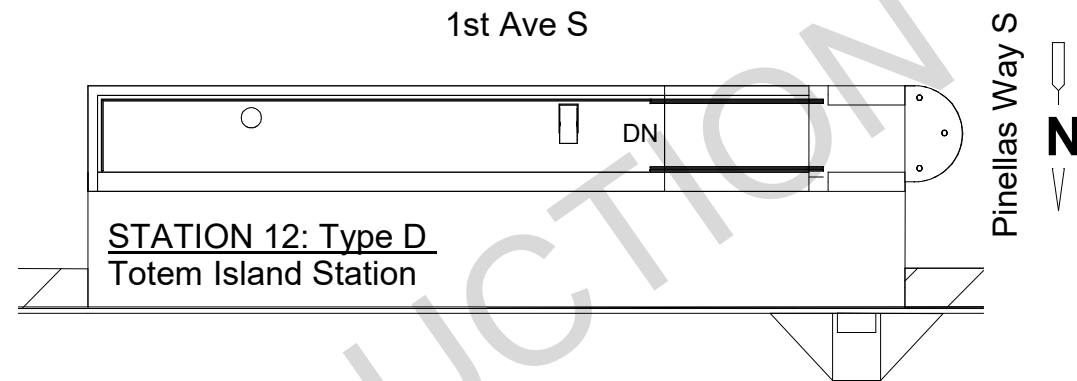
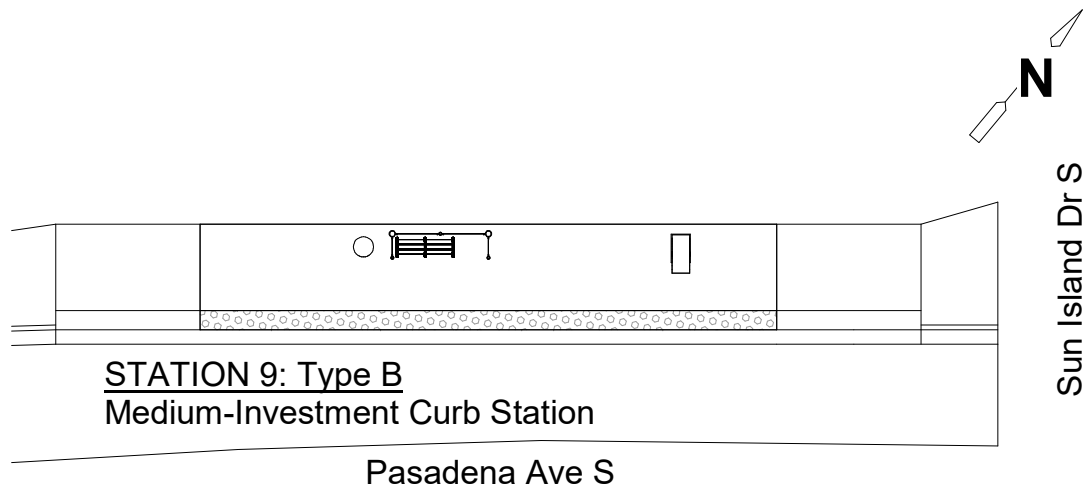
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KEY PLANS
STATIONS 3-8

SHEET NO.
A-02

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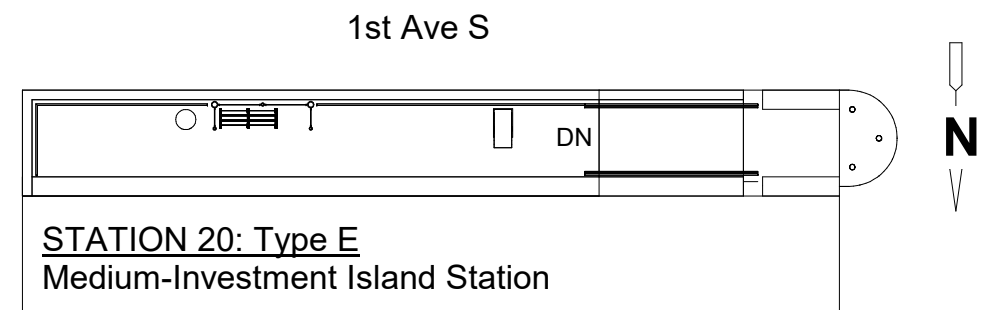
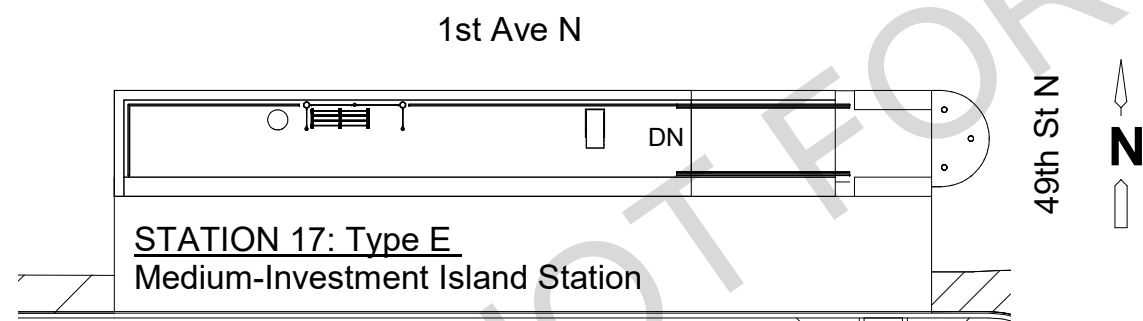
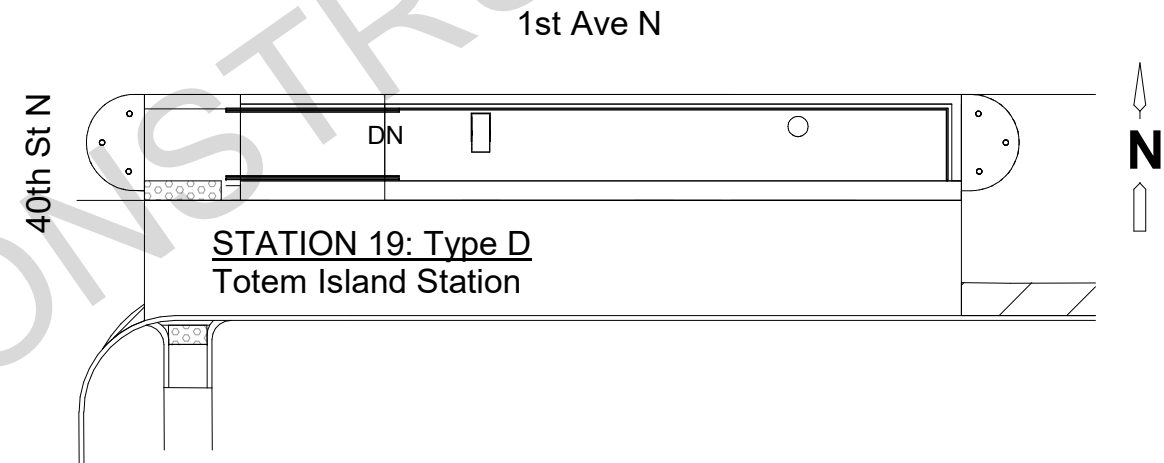
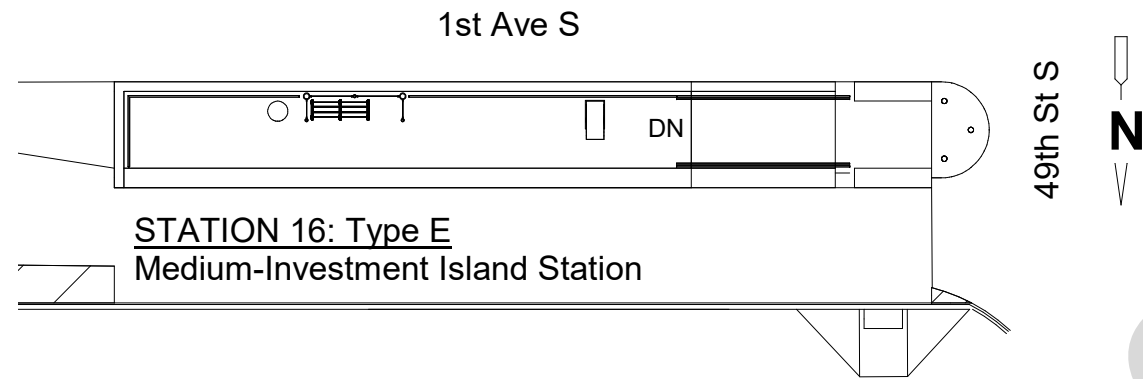
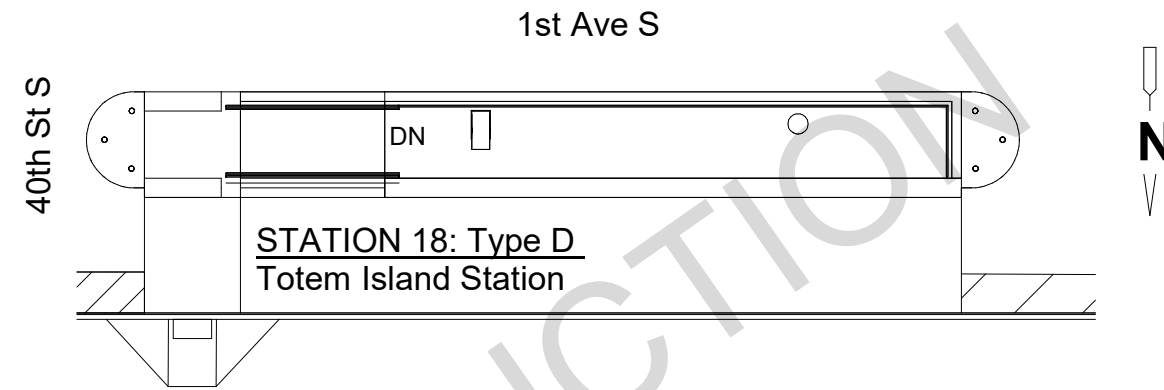
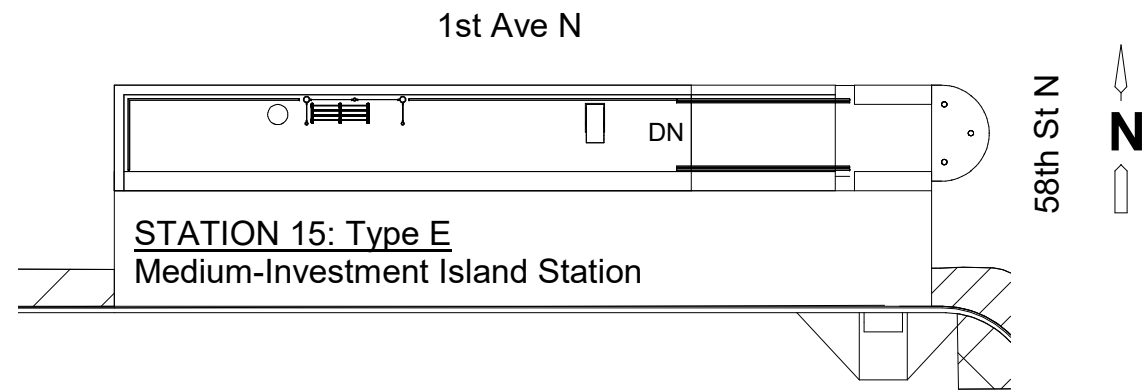
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KEY PLANS
STATIONS 9-14

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A-03

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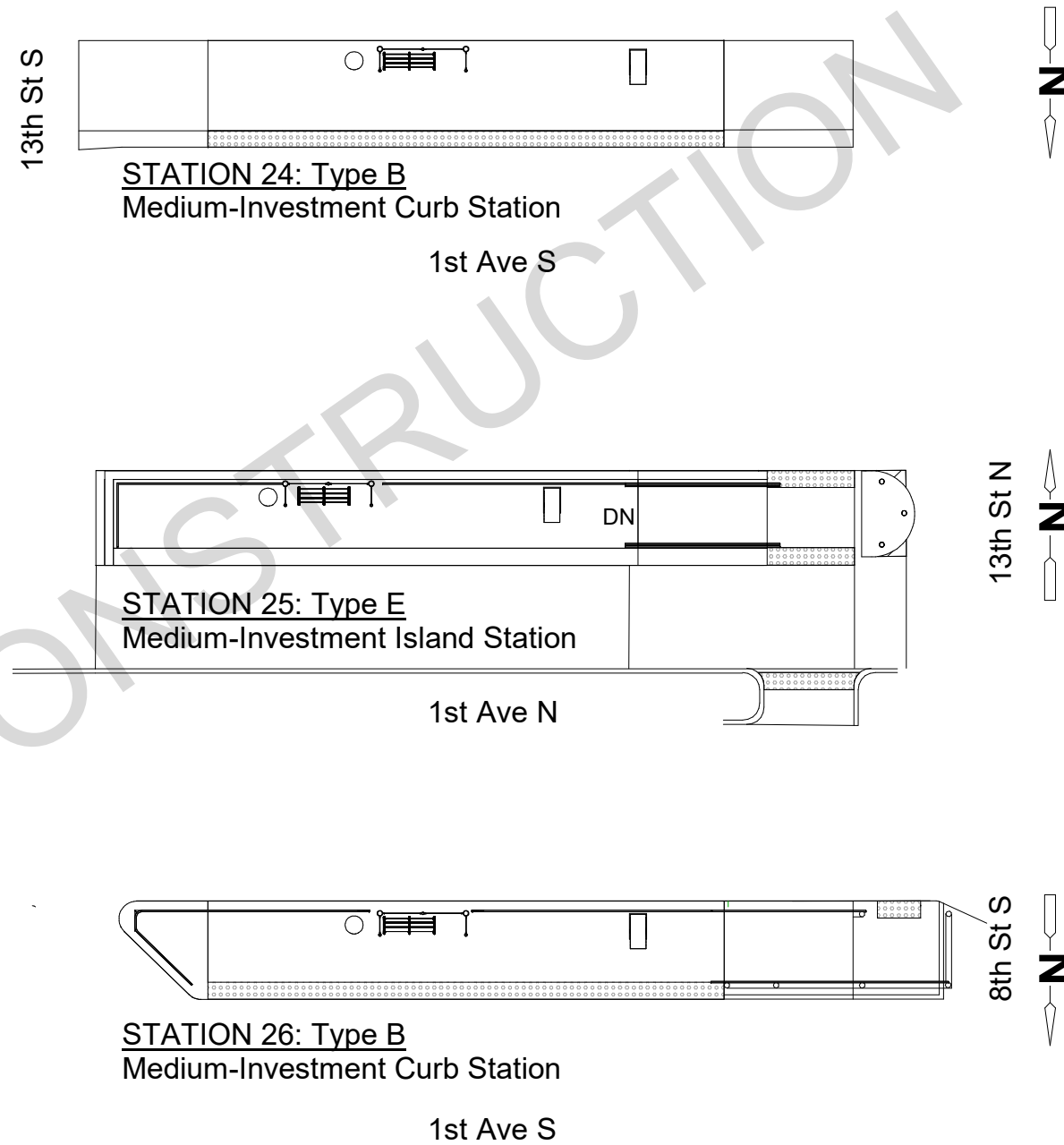
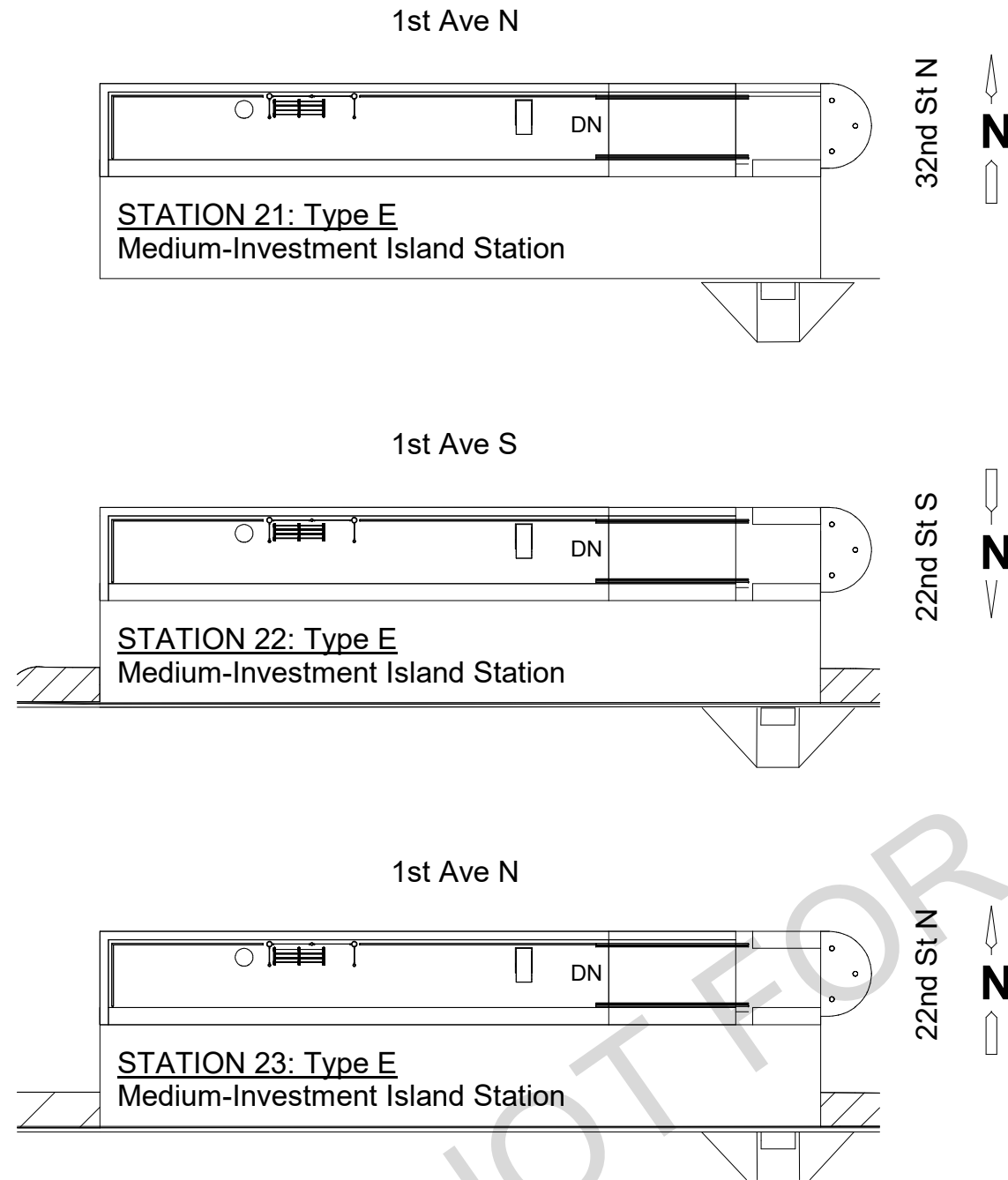
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KEY PLANS
 STATIONS 15-20

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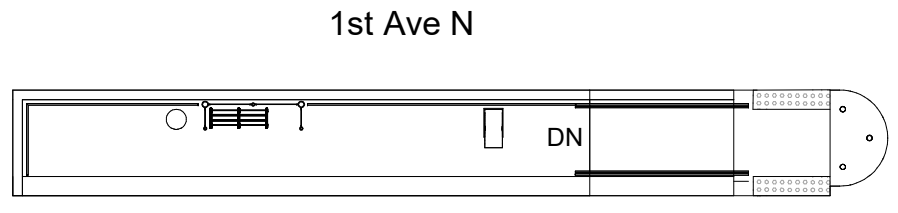
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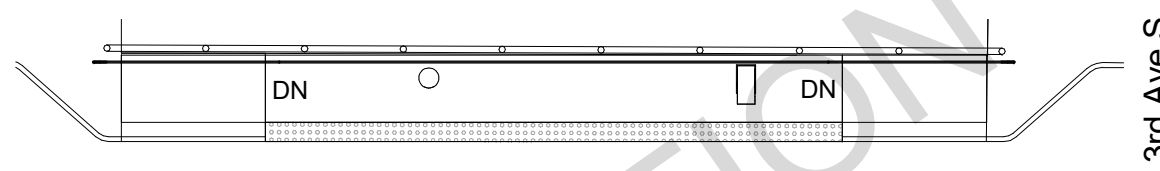
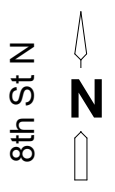
KEY PLANS
 STATION 21-26

SHEET NO.
 A-05

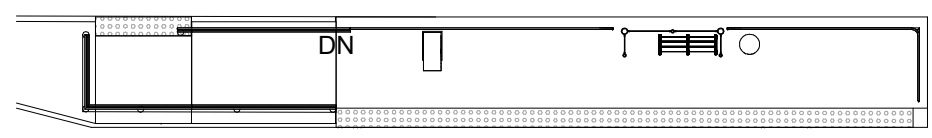
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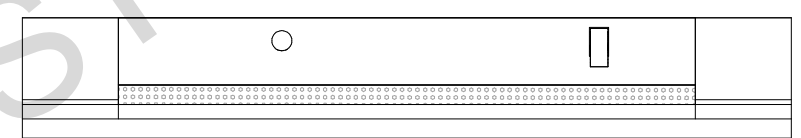
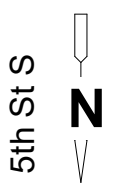
STATION 27: Type E
Medium-Investment Island Station



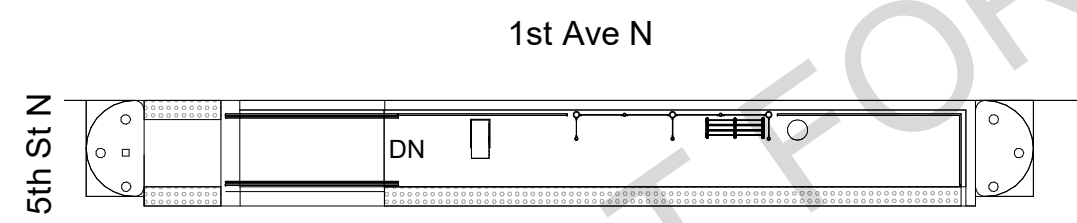
STATION 30: Type A
Totem Curb Station



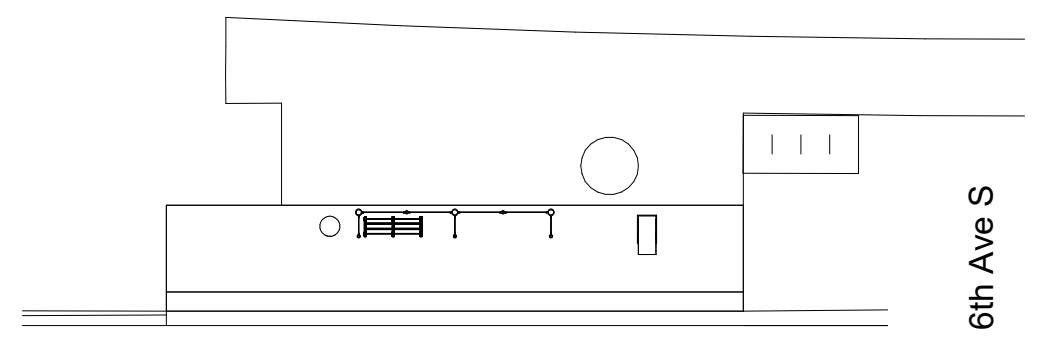
STATION 28: Type B
Medium-Investment Curb Station



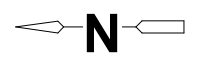
STATION 31: Type A
Totem Curb Station



STATION 29: Type F
High-Investment Island Station



STATION 32: Type C:
High-Investment Curb Station



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KEY PLANS
STATIONS 27-32

SHEET NO.
A-06

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Station #	Street Name	Side	Major Cross Street	Investment Level	Station Type	TECHNOLOGY COMPONENTS					STATION COMPONENTS			
						Security Cameras	Outdoor rated Monitor	Ticket Vending Machine	Nearby Retail Outlet	Real-time Arrival Indicator Light	Shelter	Bench	Trash	Bike Rack
						CWA	Lochner	Iteris	PSTA	Lochner	CDMS	CDMS	CDMS	CDMS
Designer Lead on Station Amenity														
3	Gulf Blvd	W	-	High	Curb side	2	Yes	Future	Yes	Yes	Large	Yes	1	Yes
4	Gulf Blvd	E	55th Ave	Totem	Curb side	0	Yes	Future	No	Yes	No	No	1	No
5	Gulf Blvd	W	55th Ave	Totem	Curb side	0	Yes	Future	No	Yes	No	No	1	No
6	Gulf Blvd	E	Corey Ave	Medium	Curb side	1	Yes	Future	Yes	Yes	Small	Yes	1	No
7	Gulf Blvd	W	73rd Ave	Medium	Curb side	1	Yes	Future	Yes	Yes	Small	Yes	1	Yes
8	Pasadena Ave S	E	Huffman Way	Medium	Curb side	1	Yes	Future	No	Yes	Small	Yes	1	No
9	Pasadena Ave S	W	Huffman Way	Medium	Curb side	1	Yes	Future	No	Yes	Small	Yes	1	No
10	Pasadena Ave S	E	Gulfport Blvd S	Medium	Curb side	1	Yes	Future	Yes	Yes	Small	yes	1	No
11	Pasadena Ave S	W	Gulfport Blvd S	Medium	Curb side	1	Yes	Future	Yes	Yes	Small	Yes	1	No
12	1st Ave S	N	Pinellas Way S.	Totem	Island	0	Yes	Future	Yes	Yes	No	No	1	Yes
13	66th St N.	N	Central	Medium	Curb side	1	Yes	Future	Yes	Yes	Small	Yes	1	Yes
14	1st Ave S	N	58th St S	Medium	Island	1	Yes	Future	Yes	Yes	Small	Yes	1	Yes
15	1st Ave N	S	58th St N	Medium	Island	1	Yes	Future	Yes	Yes	Small	Yes	1	Yes
16	1st Ave S	N	49th St S	Medium	Island	1	Yes	Future	Yes	Yes	Small	Yes	1	Yes
17	1st Ave N	S	49th St N	Medium	Island	1	Yes	Future	No	Yes	Small	Yes	1	Yes
18	1st Ave S	N	40th St S	Totem	Island	0	Yes	Future	Yes	Yes	No	No	1	Yes
19	1st Ave N	S	40th St N	Totem	Island	0	Yes	Future	Yes	Yes	No	No	1	Yes
20	1st Ave S	N	PSTA	Medium	Island	1	Yes	Future	Yes	Yes	Small	Yes	1	No
21	1st Ave N	S	32nd St N	Medium	Island	1	Yes	Future	Yes	Yes	Small	Yes	1	Yes
22	1st Ave S	N	22nd St S	Medium	Island	1	Yes	Future	No	Yes	Small	Yes	1	Yes
23	1st Ave N	S	22nd St N	Medium	Island	1	Yes	Future	No	Yes	Small	Yes	1	Yes
24	1st Ave S	S	13th St S	Medium	Curb side	2	Yes	Future	No	Yes	Small	Yes	1	No
25	1st Ave N	S	13th St N	Medium	Island	2	Yes	Future	No	Yes	Small	Yes	1	No
26	1st Ave S	S	8th St S	Medium	Curb side	1	Yes	Future	Yes	Yes	Small	Yes	1	Yes
27	1st Ave N	S	8th St N	Medium	Island	1	Yes	Future	Yes	Yes	Small	Yes	1	Yes
28	1st Ave S	S	4th St S	Medium	Curb side	1	Yes	Future	Yes	Yes	Small	Yes	1	Yes
29	1st Ave N	S	4th St N	High	Island	2	Yes	Future	Yes	Yes	Large	Yes	1	Yes
30	4th St S	W	3rd Ave S	Totem	Curb side	0	Yes	Future	Yes	Yes	No	No	1	No
31	3rd St S	E	3rd Ave S	Totem	Curb side	0	Yes	Future	Yes	Yes	No	No	1	No
32	3rd St S	E	6th Ave S	High	Curb side	2	Yes	Future	Yes	Yes	Large	Yes	1	Yes

- NOTES:
 1) REFER TO CIVIL PLANS FOR BIKE RACK LOCATIONS
 2) REFER TO TECHNOLOGY DRAWINGS FOR SECURITY CAMERAS, MONITOR, AND REAL-TIME ARRIVAL INDICATOR LIGHT SPECIFICATIONS

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 MAITLAND, FLORIDA 32751

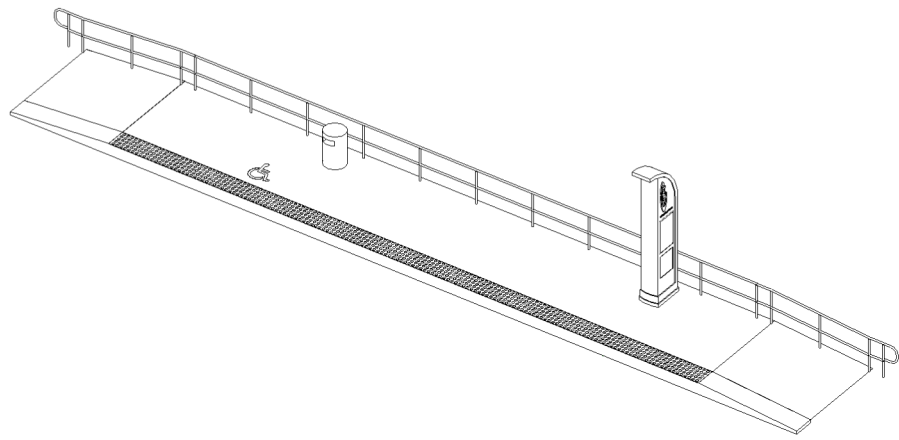
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
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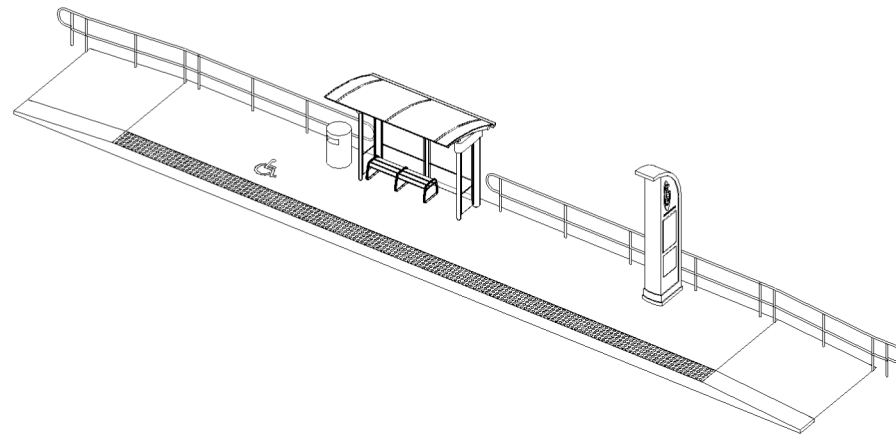
STATION AMENITIES

SHEET NO.
A-07

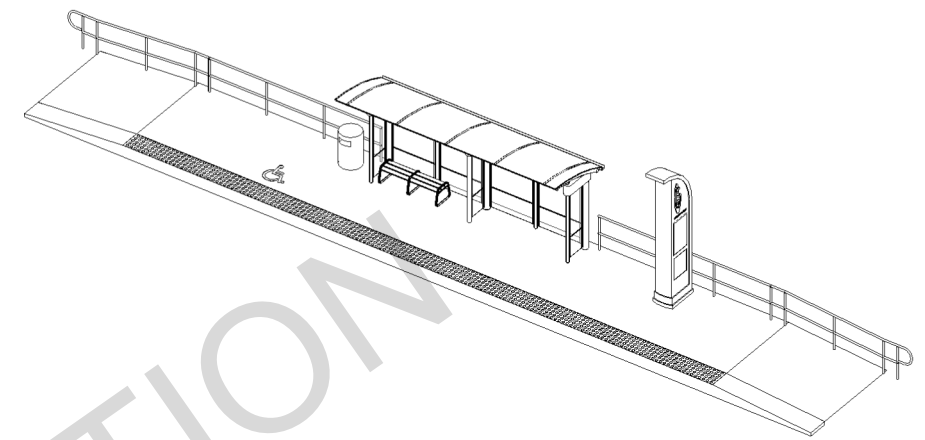
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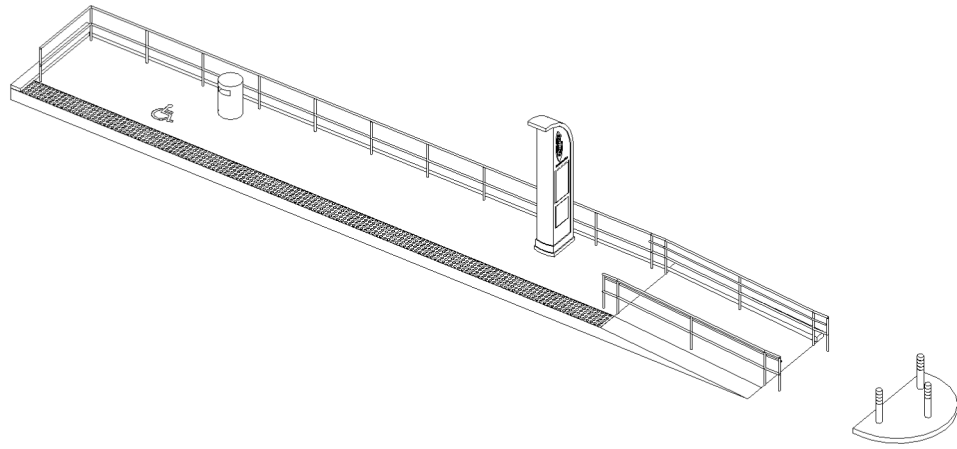
STATION TYPE A



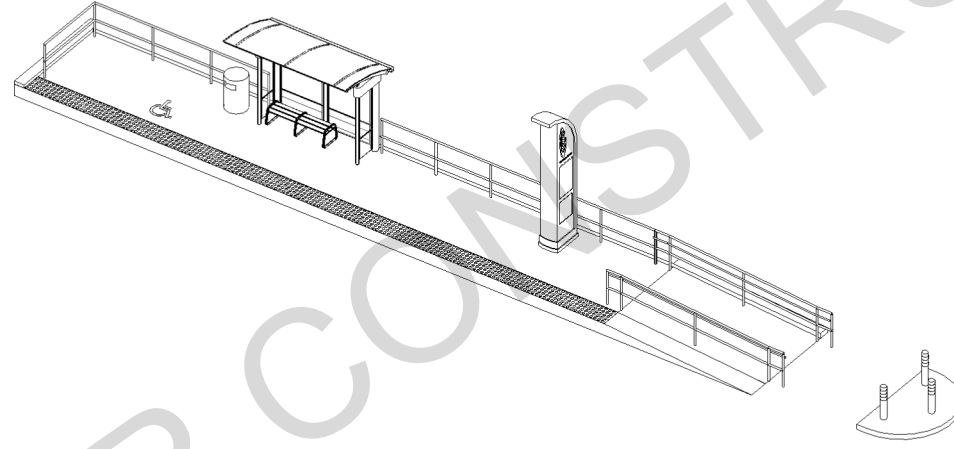
STATION TYPE B



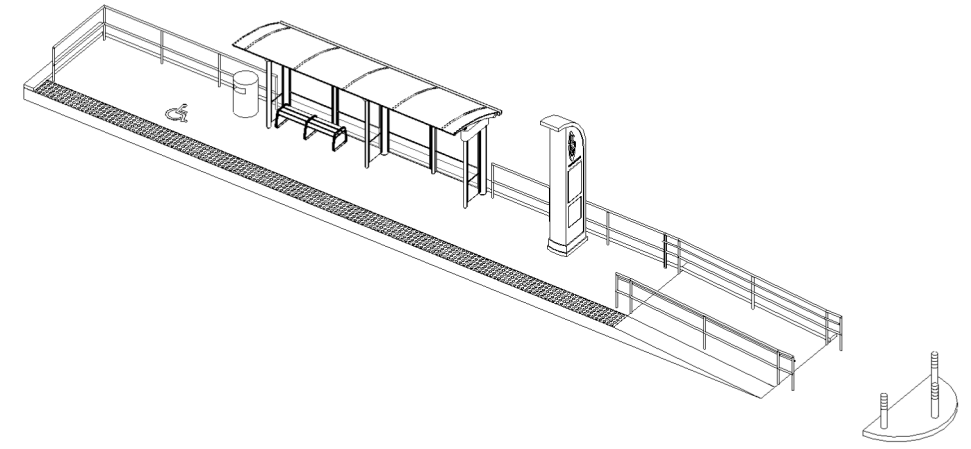
STATION TYPE C



STATION TYPE D



STATION TYPE E



STATION TYPE F

NOT FOR CONSTRUCTION

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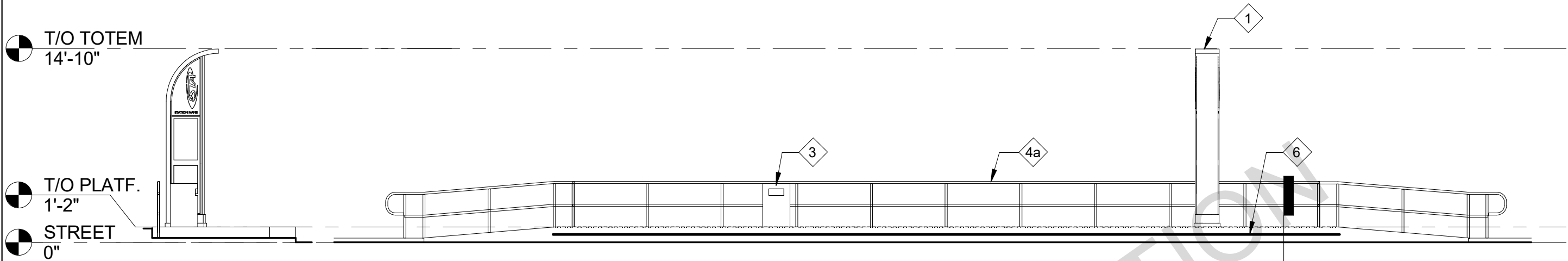
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STATION TYPES (ISOMETRICS)

SHEET NO.
A-10

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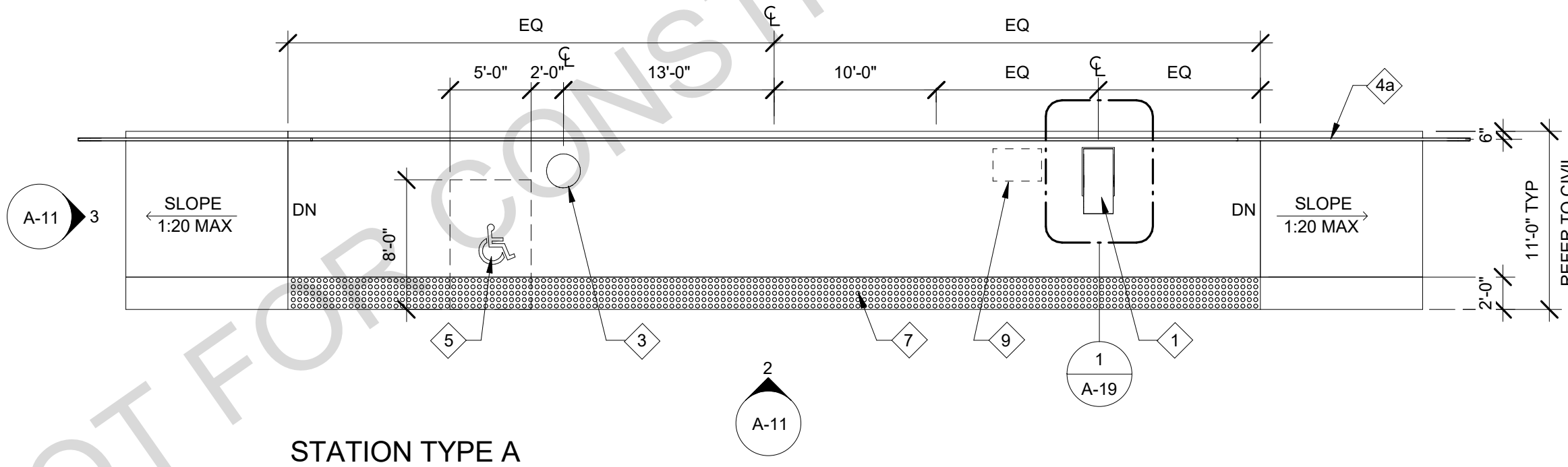


3 A - SIDE ELEVATION
A-11 1/8" = 1'-0"

2 A - FRONT ELEVATION
A-11 1/8" = 1'-0"

KEYNOTES

- 1 CUSTOM PREFABRICATED TOTEM
- 2 CUSTOM PREFABRICATED SHELTER
- 3 TRASH RECEPTACLE
- 4a ALUMINUM PIPE GUIDERAIL, FDOT STANDARD 515-070
- 4b ALUMINUM PIPE GUIDERAIL, SIM. TO FDOT STANDARD 515-070
- 5 CLEAR ADA BOARDING AREA W/ PAINTED SURFACE
- 6 PLATFORM GUIDE STRIP AND GAP FILLER
- 7 DETECTABLE WARNING STRIP
- 8 BENCH MOUNTED TO CONCRETE
- 9 TICKET VENDING MACHINE (FUTURE)
- 10 BOLLARD, REFER TO CIVIL DRAWINGS



STATION TYPE A
1/8" = 1'-0"

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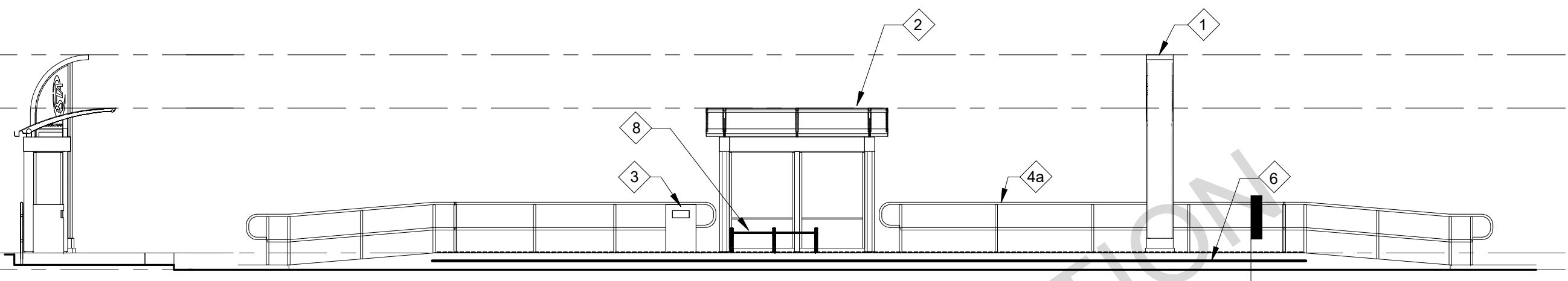


**STATION TYPE A
PLANS AND
ELEVATIONS**

SHEET NO.
A-11

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-  T/O TOTEM
14'-10"
-  T/O CANOPY
11'-2"
-  T/O PLATF.
1'-2"
-  STREET
0"








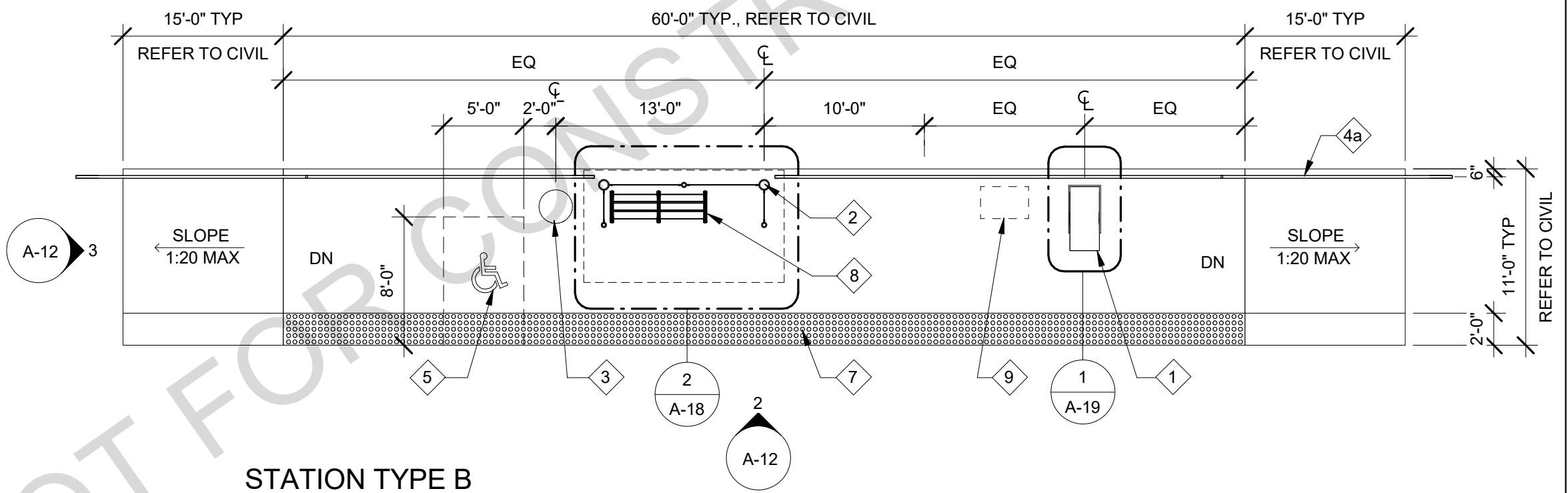
3 B - SIDE ELEVATION
A-12 1/8" = 1'-0"

2 B - FRONT ELEVATION
A-12 1/8" = 1'-0"

2
A-27

KEYNOTES

-  1 CUSTOM PREFABRICATED TOTEM
-  2 CUSTOM PREFABRICATED SHELTER
-  3 TRASH RECEPTACLE
-  4a ALUMINUM PIPE GUIDERAIL, FDOT STANDARD 515-070
-  4b ALUMINUM PIPE GUIDERAIL, SIM. TO FDOT STANDARD 515-070
-  5 CLEAR ADA BOARDING AREA W/ PAINTED SURFACE
-  6 PLATFORM GUIDE STRIP AND GAP FILLER
-  7 DETECTABLE WARNING STRIP
-  8 BENCH MOUNTED TO CONCRETE
-  9 TICKET VENDING MACHINE (FUTURE)
-  10 BOLLARD, REFER TO CIVIL DRAWINGS



STATION TYPE B
1/8" = 1'-0"

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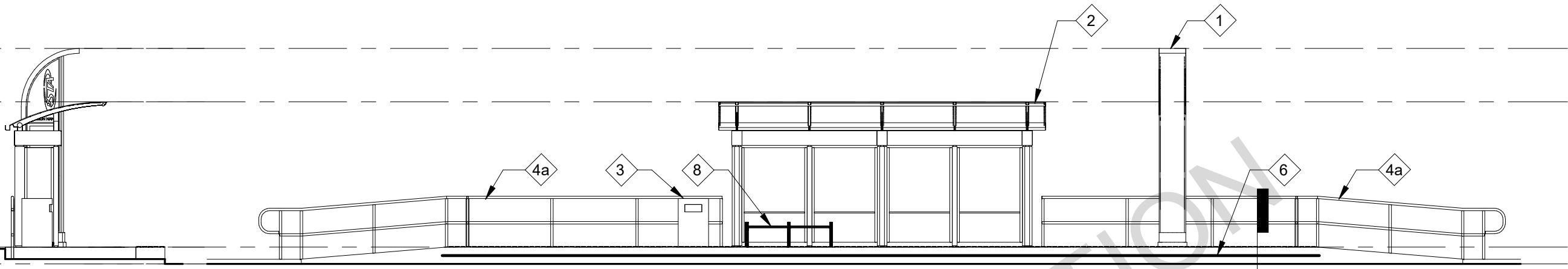


**STATION TYPE B
PLANS AND
ELEVATIONS**

SHEET NO.
A-12

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









-  T/O TOTEM
14'-10"
-  T/O CANOPY
11'-2"
-  T/O PLATF.
1'-2"
-  STREET
0"

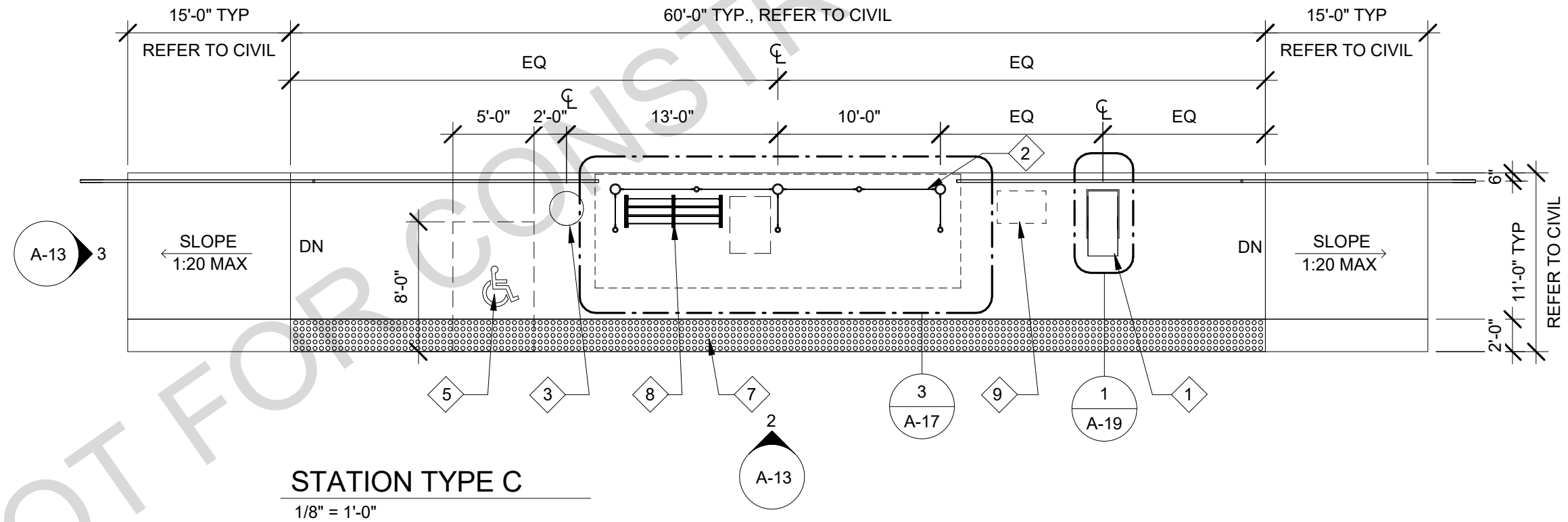


3 C - SIDE ELEVATION
A-13 1/8" = 1'-0"

2 C - FRONT ELEVATION
A-13 1/8" = 1'-0"

KEYNOTES

-  CUSTOM PREFABRICATED TOTEM
-  CUSTOM PREFABRICATED SHELTER
-  TRASH RECEPTACLE
-  ALUMINUM PIPE GUIDERAIL, FDOT STANDARD 515-070
-  ALUMINUM PIPE GUIDERAIL, SIM. TO FDOT STANDARD 515-070
-  CLEAR ADA BOARDING AREA W/ PAINTED SURFACE
-  PLATFORM GUIDE STRIP AND GAP FILLER
-  DETECTABLE WARNING STRIP
-  BENCH MOUNTED TO CONCRETE
-  TICKET VENDING MACHINE (FUTURE)
-  BOLLARD, REFER TO CIVIL DRAWINGS



STATION TYPE C
1/8" = 1'-0"

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**STATION TYPE C
PLANS AND
ELEVATIONS**

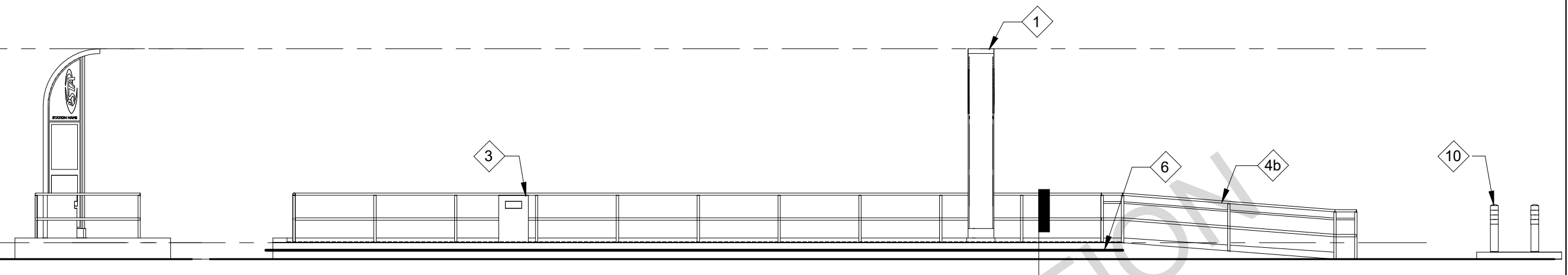
SHEET NO.
A-13

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T/O TOTEM
14'-10"

T/O PLATF.
1'-2"

STREET
0"

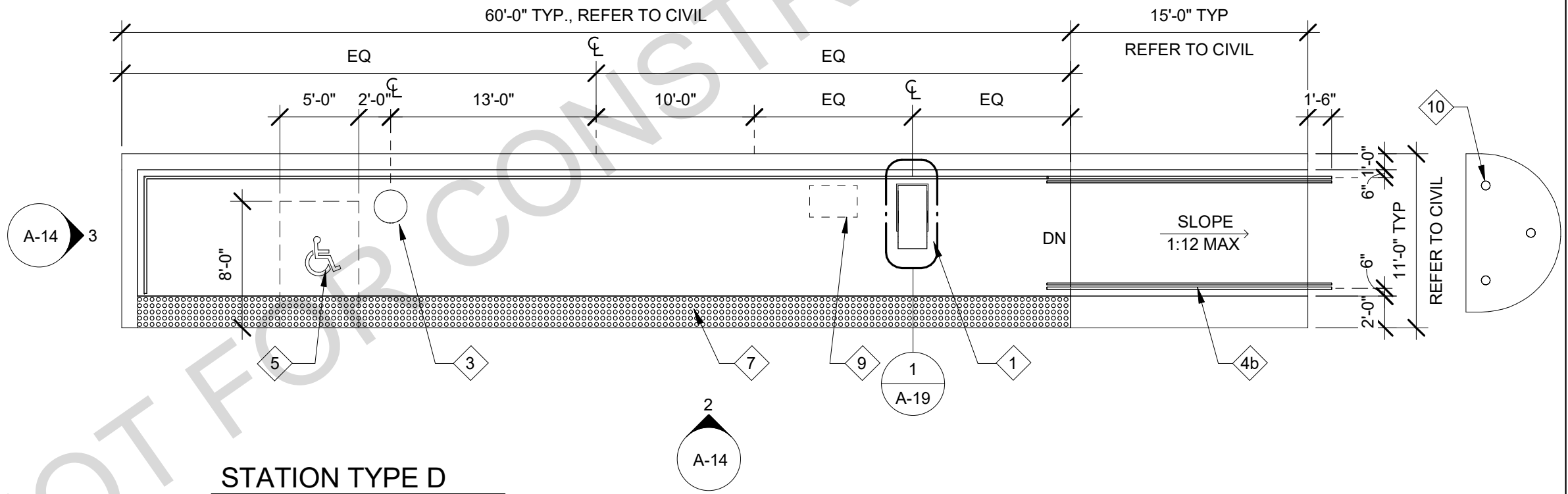


3 D - SIDE ELEVATION
A-14 1/8" = 1'-0"

2 D - FRONT ELEVATION
A-14 1/8" = 1'-0"

KEYNOTES

- 1 CUSTOM PREFABRICATED TOTEM
- 2 CUSTOM PREFABRICATED SHELTER
- 3 TRASH RECEPTACLE
- 4a ALUMINUM PIPE GUIDERAIL, FDOT STANDARD 515-070
- 4b ALUMINUM PIPE GUIDERAIL, SIM. TO FDOT STANDARD 515-070
- 5 CLEAR ADA BOARDING AREA W/ PAINTED SURFACE
- 6 PLATFORM GUIDE STRIP AND GAP FILLER
- 7 DETECTABLE WARNING STRIP
- 8 BENCH MOUNTED TO CONCRETE
- 9 TICKET VENDING MACHINE (FUTURE)
- 10 BOLLARD, REFER TO CIVIL DRAWINGS



STATION TYPE D
1/8" = 1'-0"

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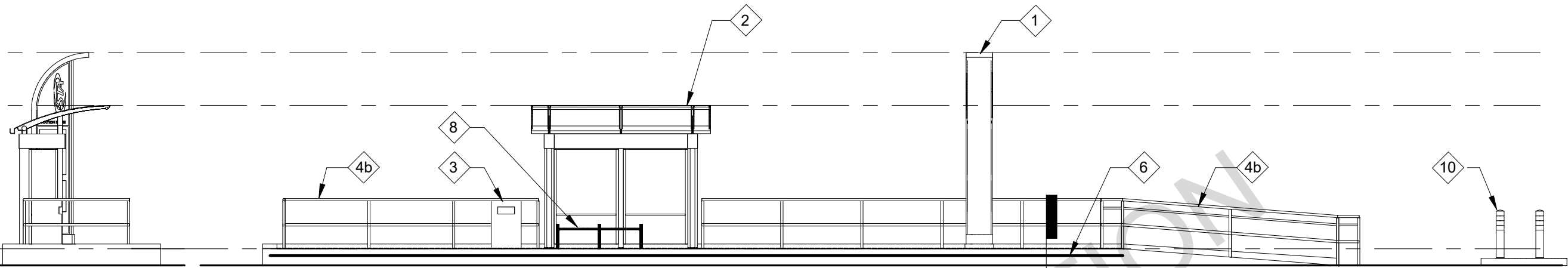


**STATION TYPE D
PLANS AND
ELEVATIONS**

SHEET NO.
A-14

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-  T/O TOTEM
14'-10"
-  T/O CANOPY
11'-2"
-  T/O PLATF.
1'-2"
-  STREET
0"

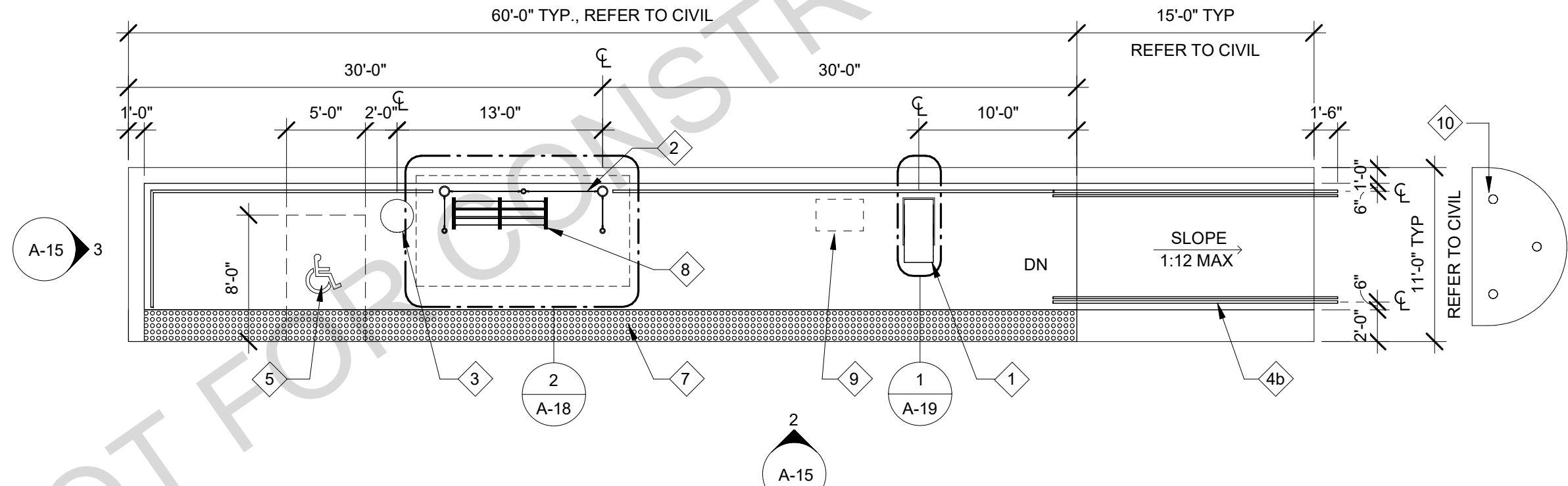


3 E - SIDE ELEVATION
A-15 1/8" = 1'-0"

2 E - FRONT ELEVATION
A-15 1/8" = 1'-0"

KEYNOTES

-  CUSTOM PREFABRICATED TOTEM
-  CUSTOM PREFABRICATED SHELTER
-  TRASH RECEPTACLE
-  ALUMINUM PIPE GUIDERAIL, FDOT STANDARD 515-070
-  ALUMINUM PIPE GUIDERAIL, SIM. TO FDOT STANDARD 515-070
-  CLEAR ADA BOARDING AREA W/ PAINTED SURFACE
-  PLATFORM GUIDE STRIP AND GAP FILLER
-  DETECTABLE WARNING STRIP
-  BENCH MOUNTED TO CONCRETE
-  TICKET VENDING MACHINE (FUTURE)
-  BOLLARD, REFER TO CIVIL DRAWINGS



STATION TYPE E
1/8" = 1'-0"

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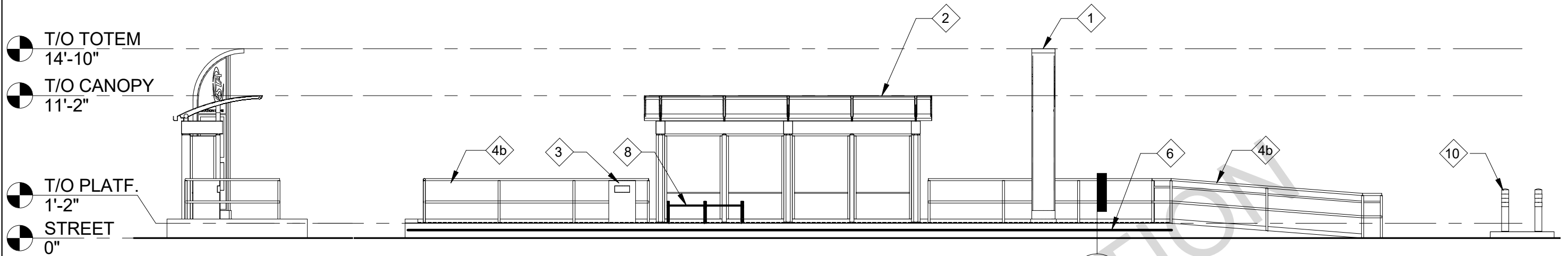
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**STATION TYPE E
PLANS AND
ELEVATIONS**

SHEET NO.
A-15

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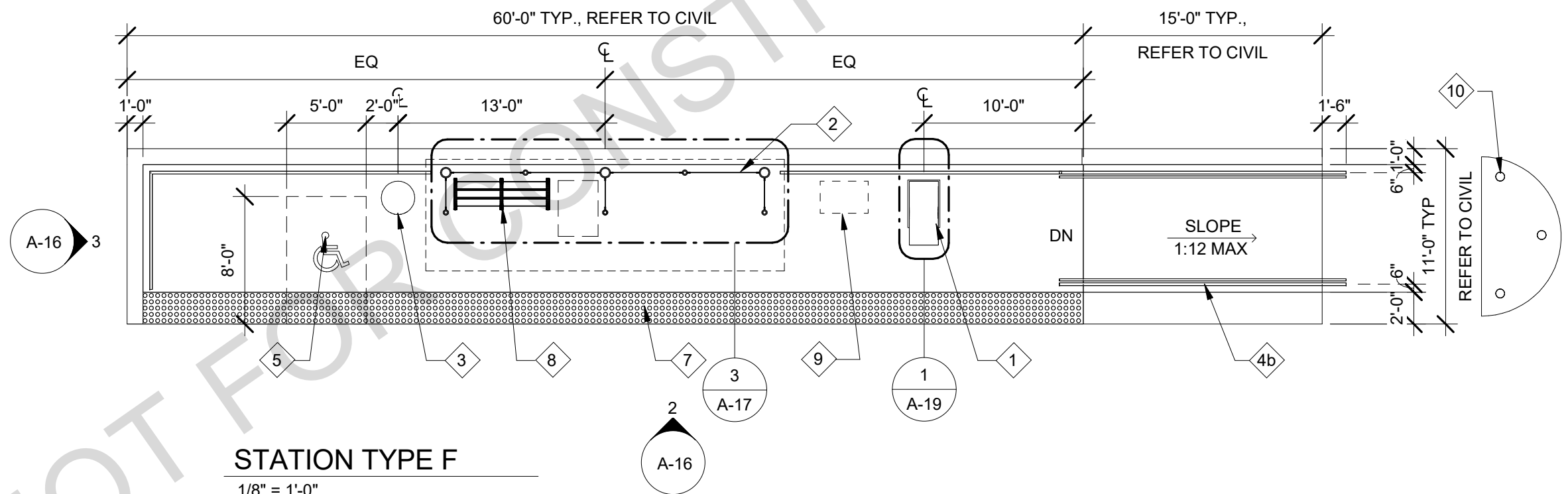


3 F - SIDE ELEVATION
A-16 1/8" = 1'-0"

2 F - FRONT ELEVATION
A-16 1/8" = 1'-0"

KEYNOTES

- 1 CUSTOM PREFABRICATED TOTEM
- 2 CUSTOM PREFABRICATED SHELTER
- 3 TRASH RECEPTACLE
- 4a ALUMINUM PIPE GUIDERAIL, FDOT STANDARD 515-070
- 4b ALUMINUM PIPE GUIDERAIL, SIM. TO FDOT STANDARD 515-070
- 5 CLEAR ADA BOARDING AREA W/ PAINTED SURFACE
- 6 PLATFORM GUIDE STRIP AND GAP FILLER
- 7 DETECTABLE WARNING STRIP
- 8 BENCH MOUNTED TO CONCRETE
- 9 TICKET VENDING MACHINE (FUTURE)
- 10 BOLLARD, REFER TO CIVIL DRAWINGS



STATION TYPE F
1/8" = 1'-0"

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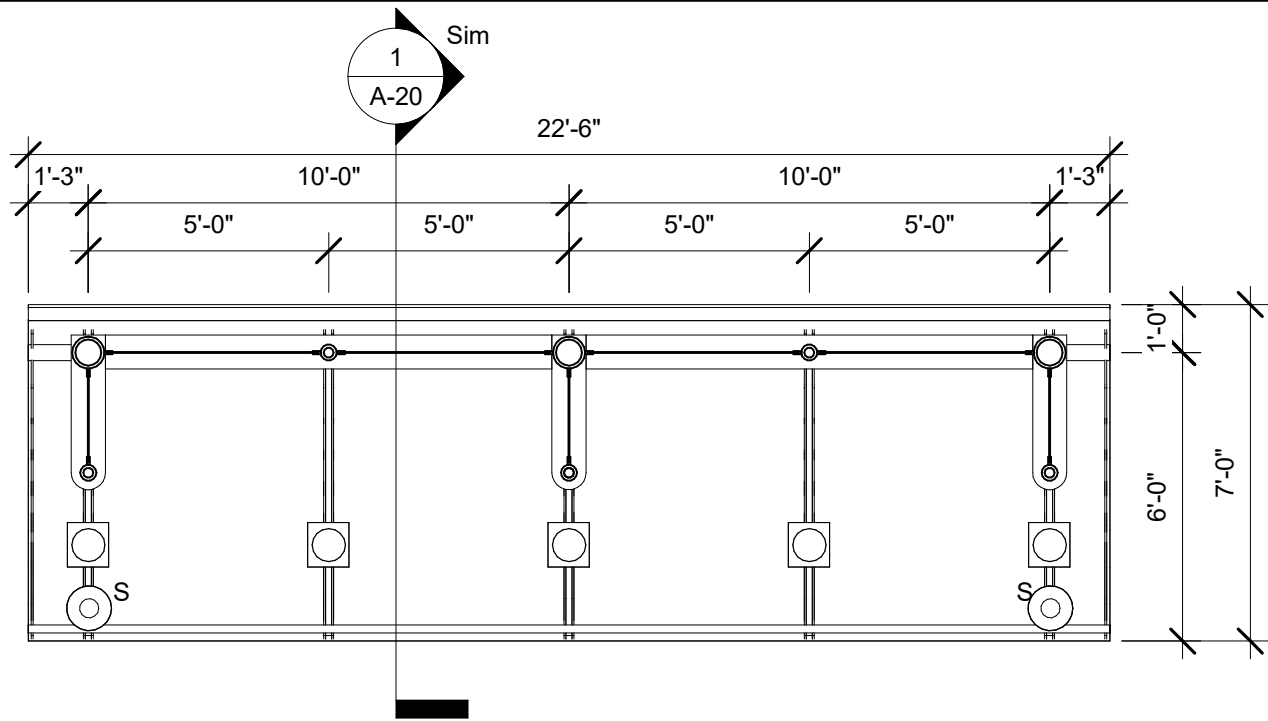
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**STATION TYPE F
PLANS AND
ELEVATIONS**

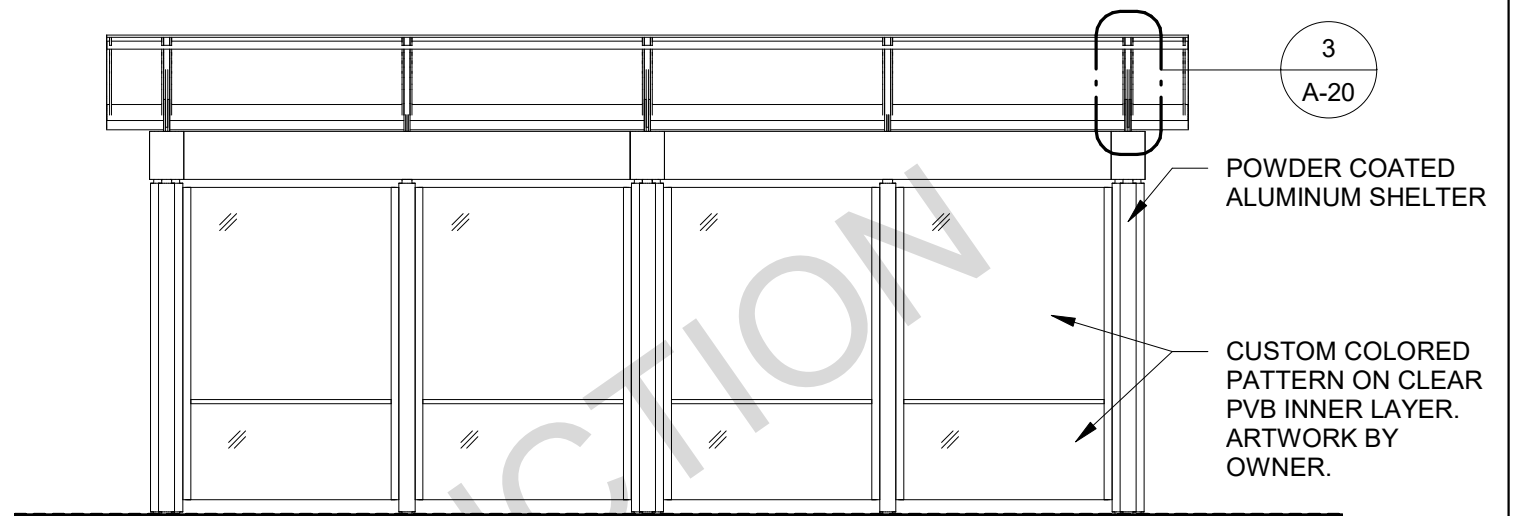
SHEET NO.
A-16

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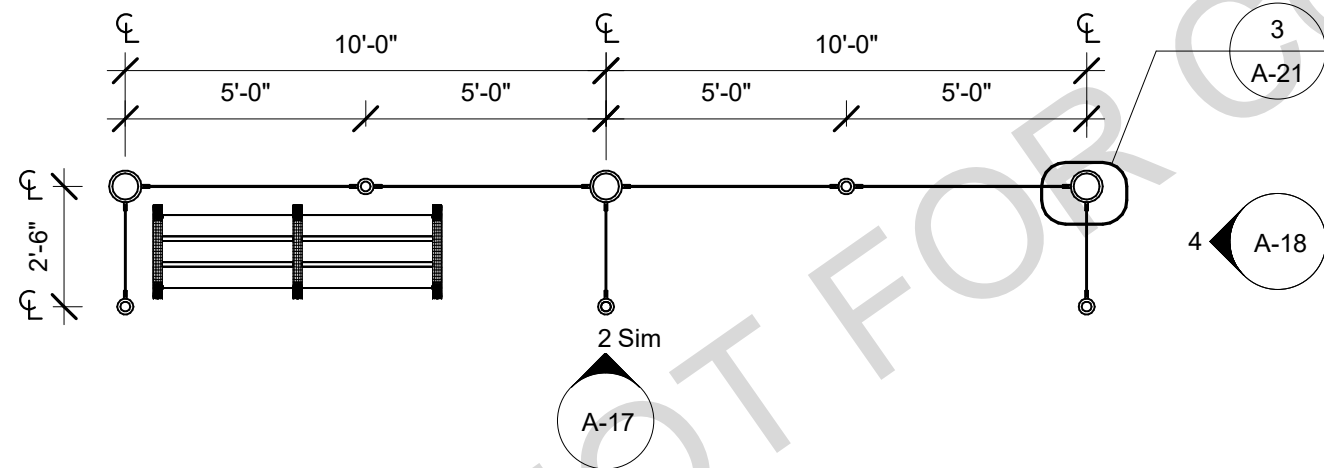
LARGE SHELTER CEILING PLAN

1/4" = 1'-0"



2 LARGE SHELTER FRONT ELEVATION

1/4" = 1'-0"



LARGE SHELTER PLAN

1/4" = 1'-0"

LEGEND

SYMBOLS:

- ☐ RECESSED MOUNTED LED LIGHT FIXTURE. PROVIDE RECESSED J-BOX AND CONCEALED CONDUIT
- S ○ RECESSED MOUNTED SECURITY CAMERAS, REFER TO TECHNOLOGY DRAWINGS. PROVIDE RECESSED J-BOX AND CONCEALED CONDUIT

GENERAL NOTES:

- 1) SHELTER FABRICATOR IS RESPONSIBLE TO DESIGN, ENGINEER AND FABRICATE FULL PRODUCT. INCLUDING ALL INTEGRATION OF LIGHTING, ELECTRICAL, CAMERAS AND COMMUNICATION EQUIPMENT WHICH IS TO ALL BE CONCEALED IN THE STRUCTURE. NO EXPOSED CONDUITS WILL BE ACCEPTED.
- 2) VERIFY ALL COLOR SELECTIONS PATTERNS AND FINISHES WITH OWNER PRIOR TO FABRICATION.

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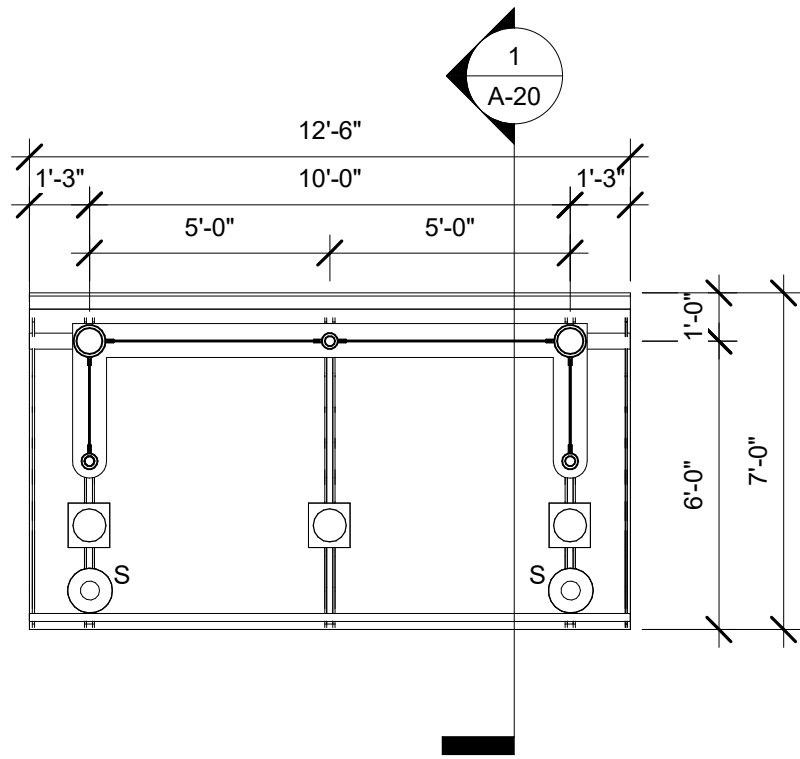
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**LARGE SHELTER
PLANS & ELEVATIONS**

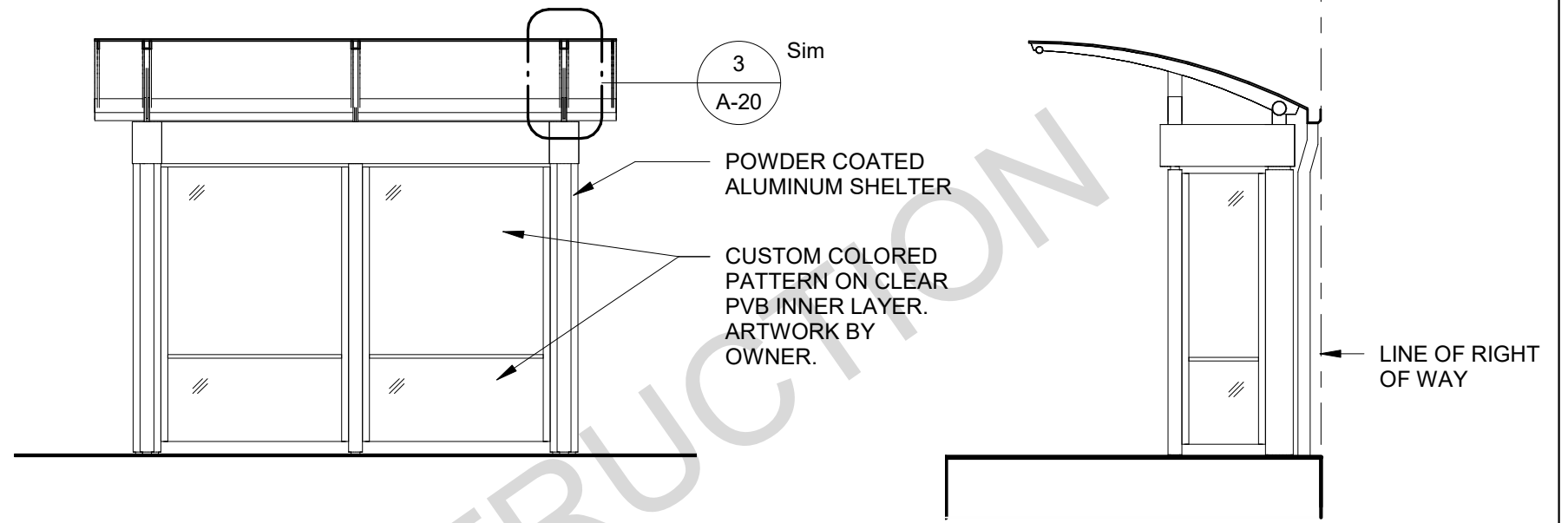
SHEET NO.
A-17

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SMALL SHELTER CEILING PLAN

1/4" = 1'-0"

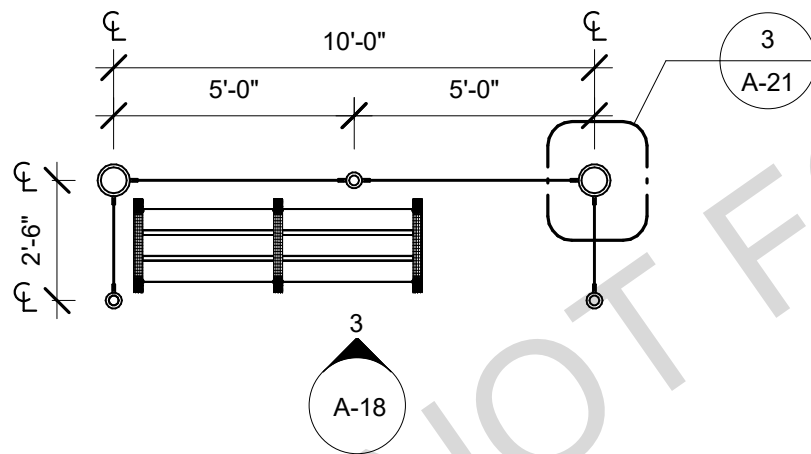


3 SMALL SHELTER FRONT ELEVATION

A-18 1/4" = 1'-0"

4 SIDE ELEVATION

A-17 1/4" = 1'-0"



SMALL SHELTER PLAN

1/4" = 1'-0"

LEGEND

SYMBOLS:

- ☐ RECESSED MOUNTED LED LIGHT FIXTURE. PROVIDE RECESSED J-BOX AND CONCEALED CONDUIT
- S ⊙ RECESSED MOUNTED SECURITY CAMERAS, REFER TO TECHNOLOGY DRAWINGS. PROVIDE RECESSED J-BOX AND CONCEALED CONDUIT

GENERAL NOTES:

- 1) SHELTER FABRICATOR IS RESPONSIBLE TO DESIGN, ENGINEER AND FABRICATE FULL PRODUCT. INCLUDING ALL INTEGRATION OF LIGHTING, ELECTRICAL, CAMERAS AND COMMUNICATION EQUIPMENT WHICH IS TO ALL BE CONCEALED IN THE STRUCTURE. NO EXPOSED CONDUITS WILL BE ACCEPTED.
- 2) VERIFY ALL COLOR SELECTIONS PATTERNS AND FINISHES WITH OWNER PRIOR TO FABRICATION.

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**SMALL SHELTER
 PLANS & ELEVATIONS**

SHEET NO.
A-18

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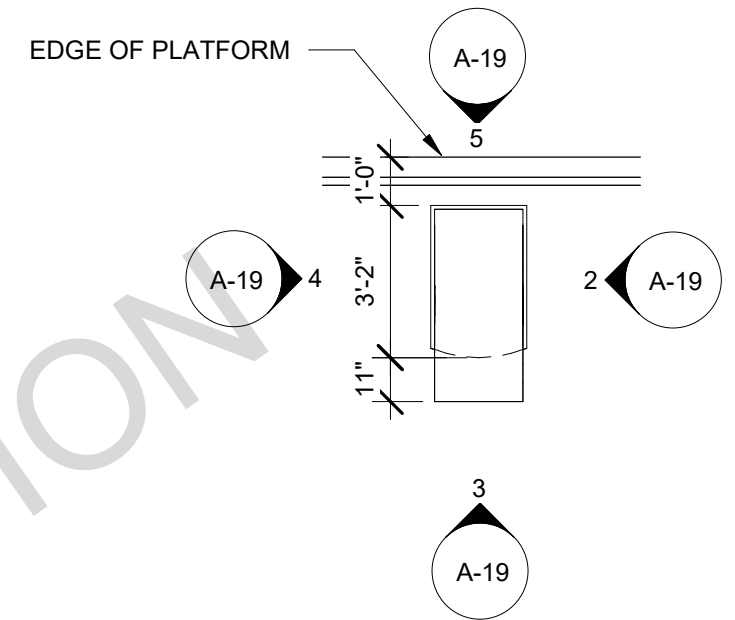
LEGEND

KEYNOTES:

- 1 OUTDOOR RATED MONITOR, REFER TO TECHNOLOGY SPECIFICATIONS
- 2 BACKLIT STATION MAP, ARTWORK BY OWNER
- 3 BACKLIT ACRYLIC LOGO, ARTWORK BY OWNER
- 4 ALUMINUM STATION NAME, ARTWORK BY OWNER
- 5 POWDER COATED ALUMINUM PANELS
- 6 REAL-TIME ARRIVAL INDICATOR LIGHT, REFER TO TECHNOLOGY SPECIFICATIONS FOR SYSTEM INTEGRATION
- 7 RECESSED PUSH BUTTON SPEAKER ASSEMBLY, REFER TO TECHNOLOGY SPECIFICATIONS

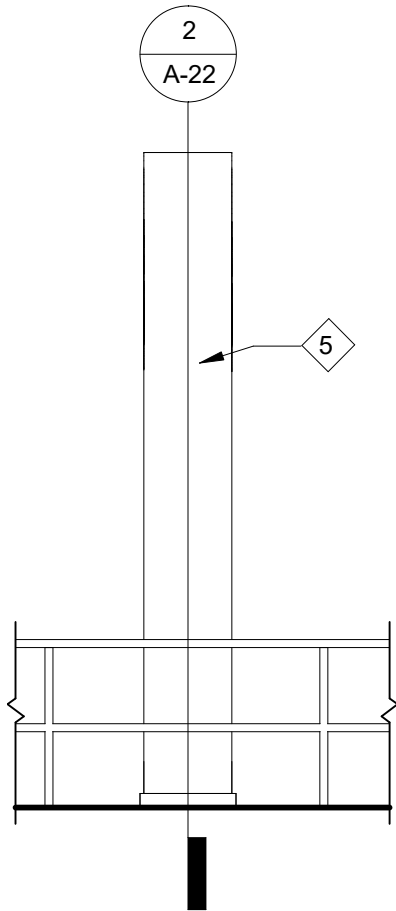
GENERAL NOTES:

- 1) TOTEM FABRICATOR IS RESPONSIBLE TO DESIGN, ENGINEER AND FABRICATE FULL PRODUCT. INCLUDING ALL INTEGRATION OF LIGHTING, ELECTRICAL, CAMERAS AND COMMUNICATION EQUIPMENT WHICH IS TO ALL BE CONCEALED IN THE STRUCTURE. NO EXPOSED CONDUITS WILL BE ACCEPTED.
- 2) VERIFY EQUIPMENT SPECIFICATION AND SIZES WITH TECHNOLOGY VENDORS AND INTEGRATOR PRIOR TO FABRICATION.
- 3) CONFIRM ALL COLOR SELECTIONS, FINISHES, LOGOS, AND PLACEMENT WITH OWNER PRIOR TO FABRICATION. ARTWORK BY OWNER.



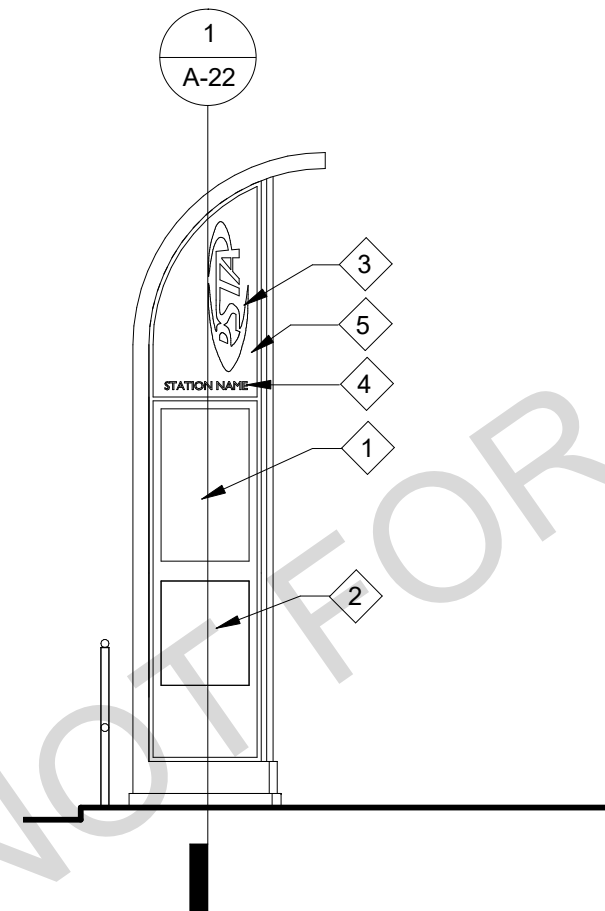
TOTEM PLAN

1/4" = 1'-0"



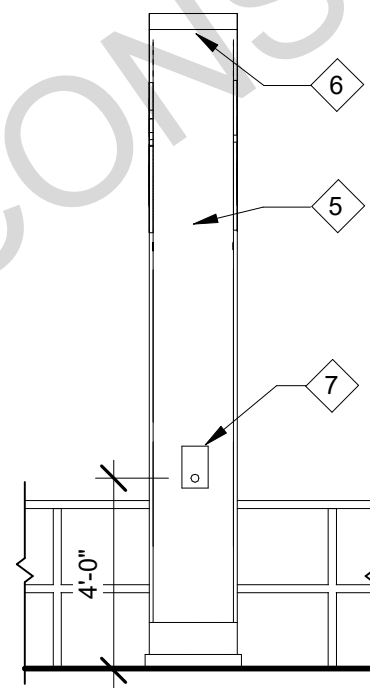
5 BACK ELEVATION

1/4" = 1'-0"



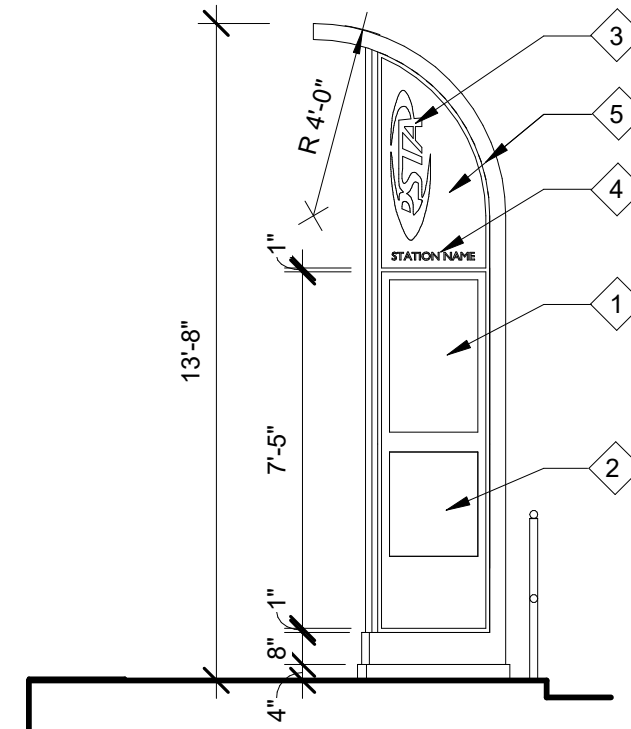
4 SIDE ELEVATION 2

1/4" = 1'-0"



3 FRONT ELEVATION

1/4" = 1'-0"



2 SIDE ELEVATION

1/4" = 1'-0"

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11/11/19	90% DESIGN				



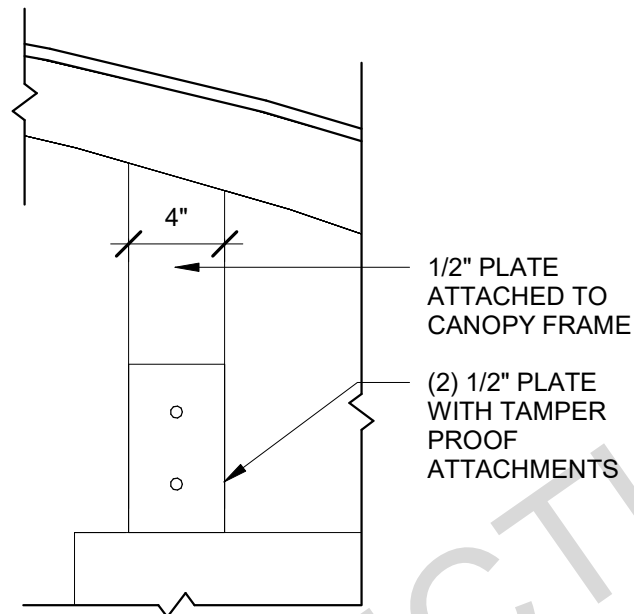
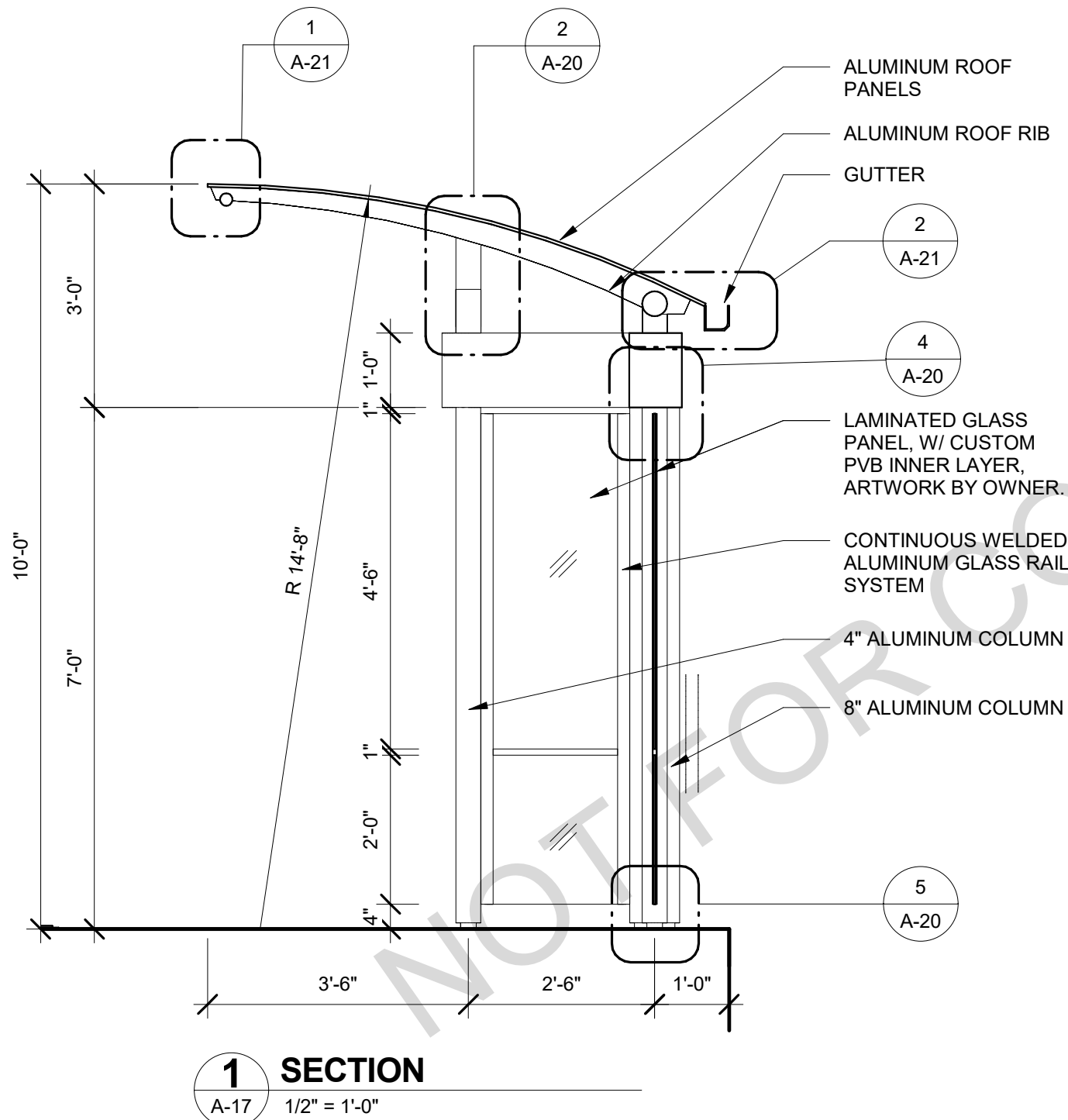
TOTEM PLANS & ELEVATIONS

SHEET NO.

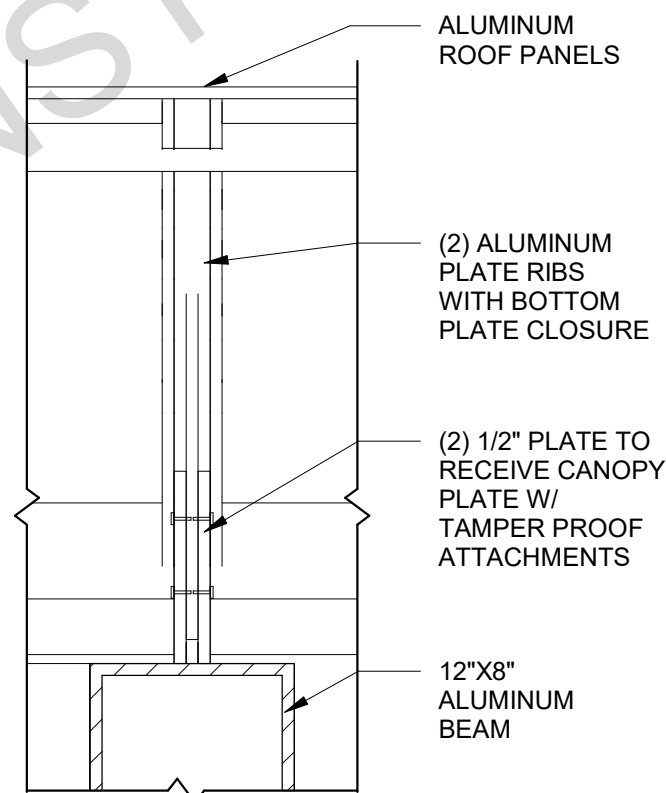
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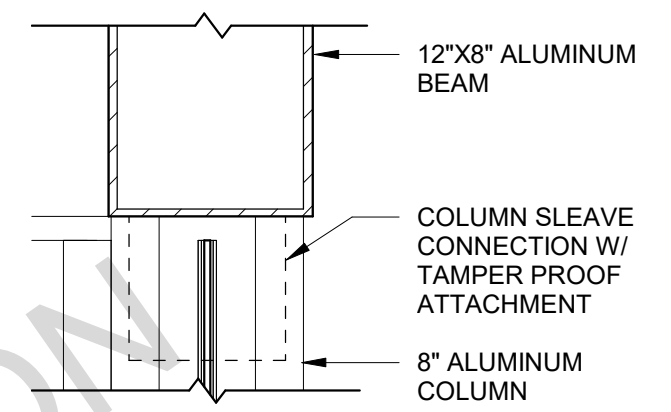
NOTE: DETAILS ARE FOR CONCEPT ONLY. CANOPY FABRICATOR IS RESPONSIBLE TO DESIGN, ENGINEER AND FABRICATE FULL PRODUCT. INCLUDING ALL INTEGRATION OF LIGHTING, ELECTRICAL, CAMERAS AND COMMUNICATION EQUIPMENT WHICH IS TO ALL BE CONCEALED IN THE STRUCTURE. NO EXPOSED CONDUITS WILL BE ACCEPTED.



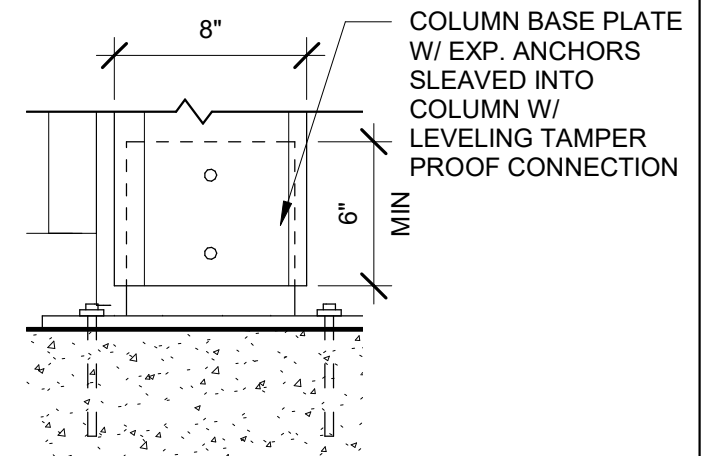
2 DETAIL
- 1 1/2" = 1'-0"



3 DETAIL
A-17 1 1/2" = 1'-0"



4 DETAIL
- 1 1/2" = 1'-0"



5 DETAIL
- 1 1/2" = 1'-0"

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NO. AR92055
FL. CORP ARCHITECTURE AA-0002781
101 SOUTHHALL LANE, SUITE 200
MAITLAND, FLORIDA 32751

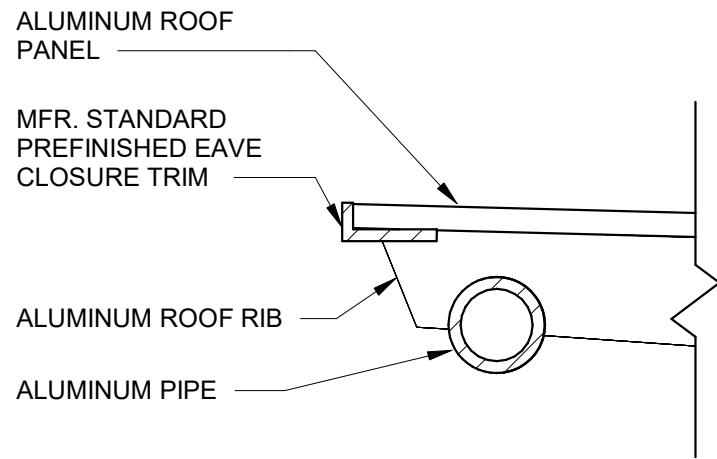
REVISIONS	
DATE	DESCRIPTION
11/11/19	90% DESIGN



SHELTER SECTION
AND DETAILS

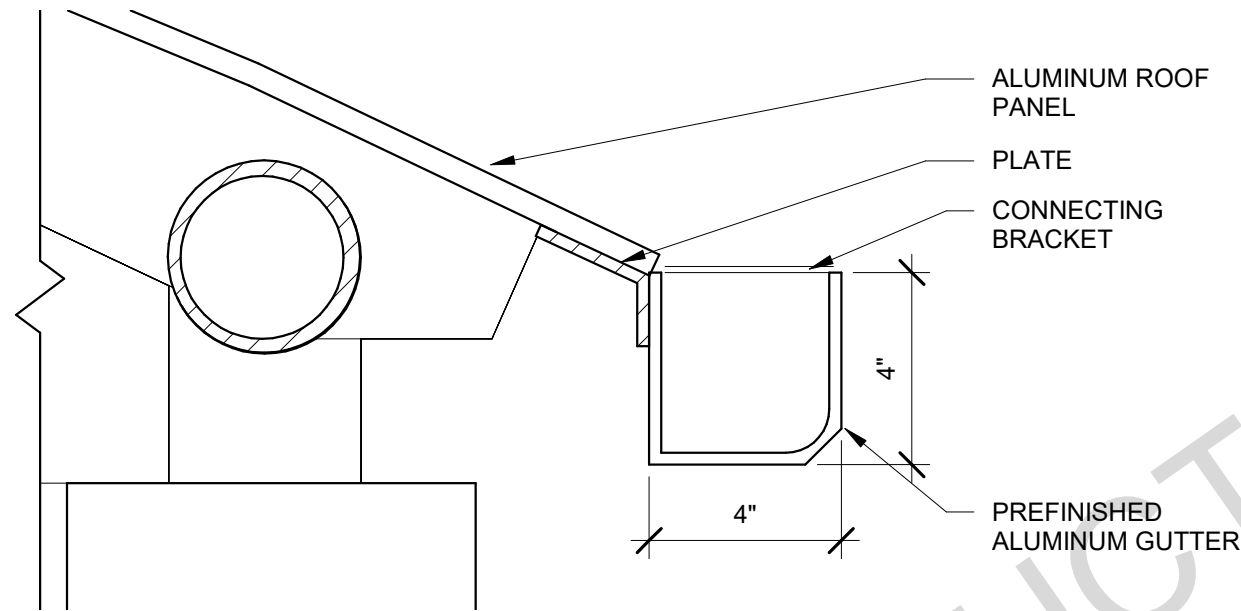
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A-20

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TOP EDGE OF CANOPY

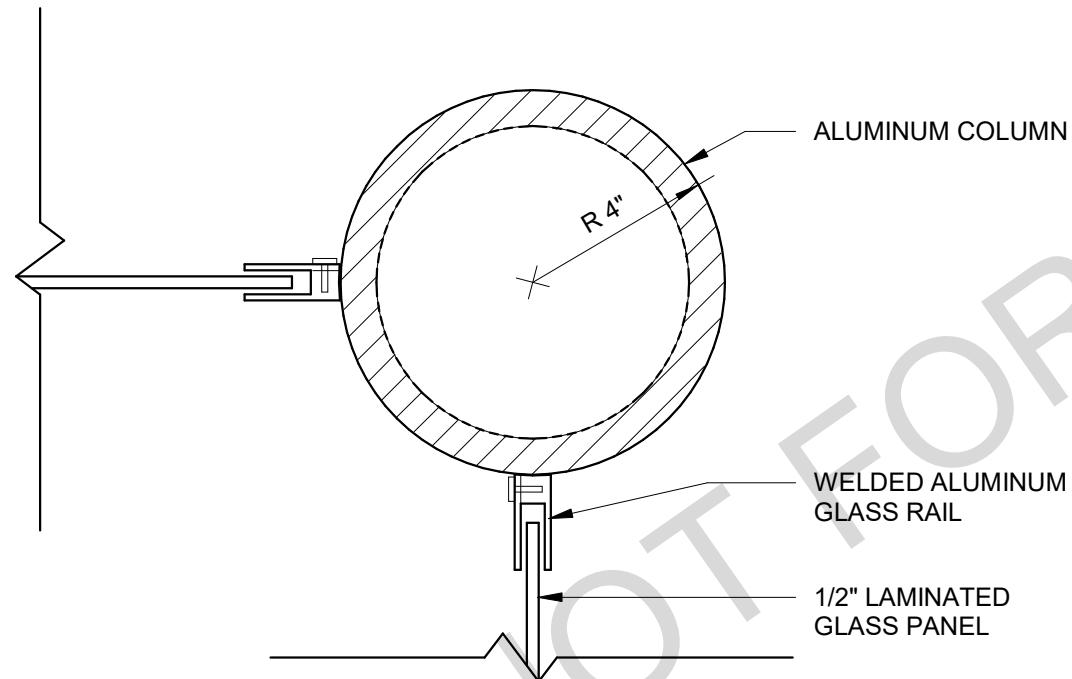
1 **DETAIL**
A-20 3" = 1'-0"



GUTTER

2 **DETAIL**
A-20 3" = 1'-0"

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PANEL CONNECTION

3 **DETAIL**
A-17 3" = 1'-0"

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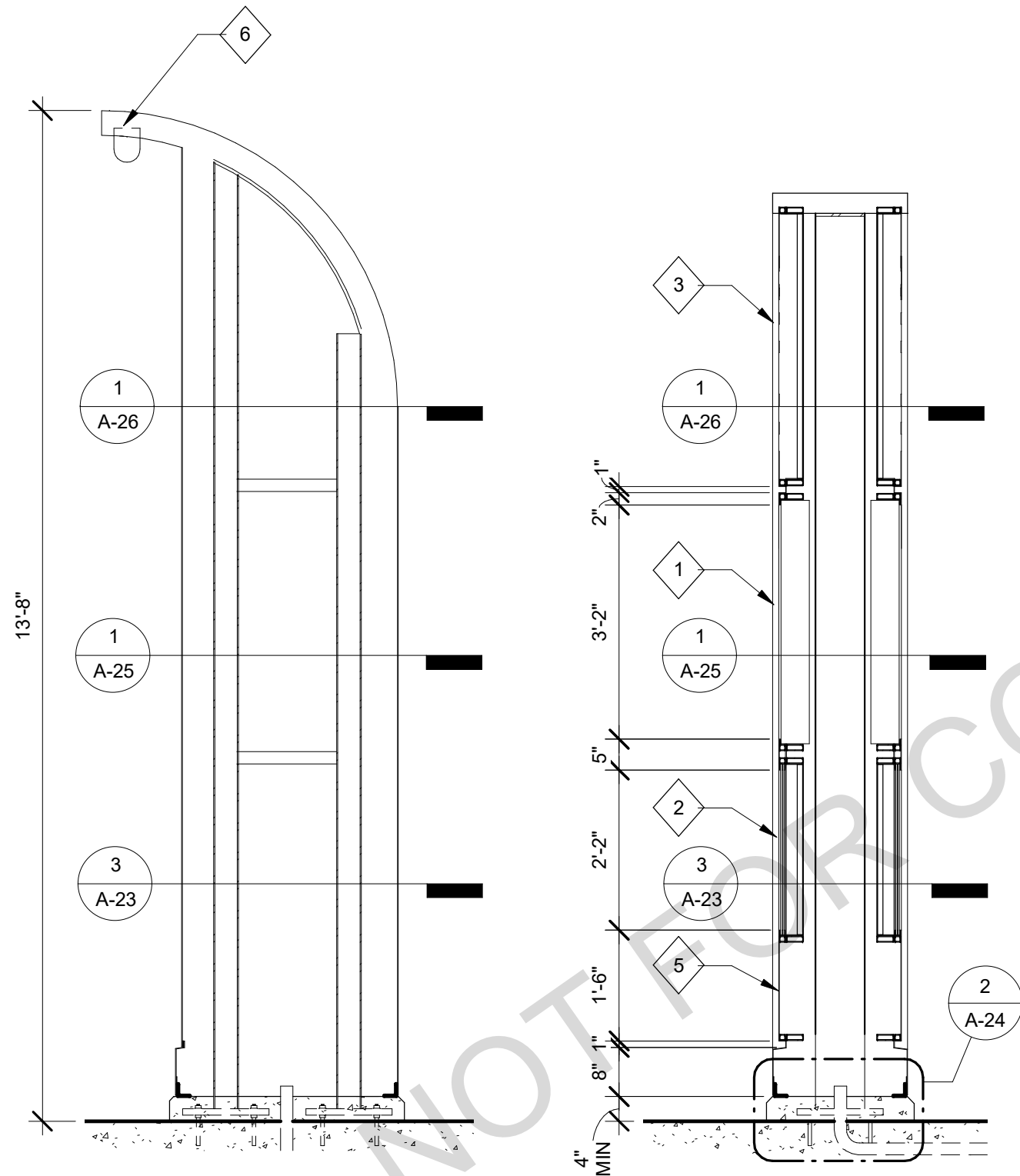
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DATE	DESCRIPTION
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SHELTER DETAILS

SHEET NO.
A-21

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2 SIDE SECTION
A-19 1/2" = 1'-0"

1 FRONT SECTION
A-19 1/2" = 1'-0"

KEYNOTES

- 1 OUTDOOR RATED MONITOR, REFER TO TECHNOLOGY SPECIFICATIONS
- 2 BACKLIT STATION MAP, ARTWORK FILE BY OWNER
- 3 BACKLIT ACRYLIC LOGO, ARTWORK FILE BY OWNER
- 4 ALUMINUM STATION NAME, ARTWORK FILE BY OWNER
- 5 POWDER COATED ALUMINUM PANELS
- 6 REAL-TIME ARRIVAL INDICATOR LIGHT, REFER TO TECHNOLOGY SPECIFICATIONS FOR SYSTEM INTEGRATION
- 7 STEEL TUBE, REFER TO STRUCTURAL DRAWINGS
- 8 1" X 1" STEEL TUBE FRAMING
- 9 FRONT SWINGING MAINTENANCE ACCESS DOOR W/ TAMPER-PROOF LATCHING MECHANISM
- 10 CONDUIT STUB-UP, REFER TO ELECTRICAL DRAWINGS
- 11 LED
- 12 1/8" PIANO HINGE
- 13 ALUMINUM LED HOUSING
- 14 1/4" CAULK JOINT
- 15 STEEL ANGLE
- 16 METAL CLEAT
- 17 ALUMINUM TUBE DOOR FRAME
- 18 COMPRESSION GASKET
- 19 CAST-IN-PLACE CONCRETE BASE W/ 1" CHAMFER
- 20 RECESSED PUSH BUTTON SPEAKER ASSEMBLY, REFER TO TECHNOLOGY SPECIFICATIONS

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NO. AR92055
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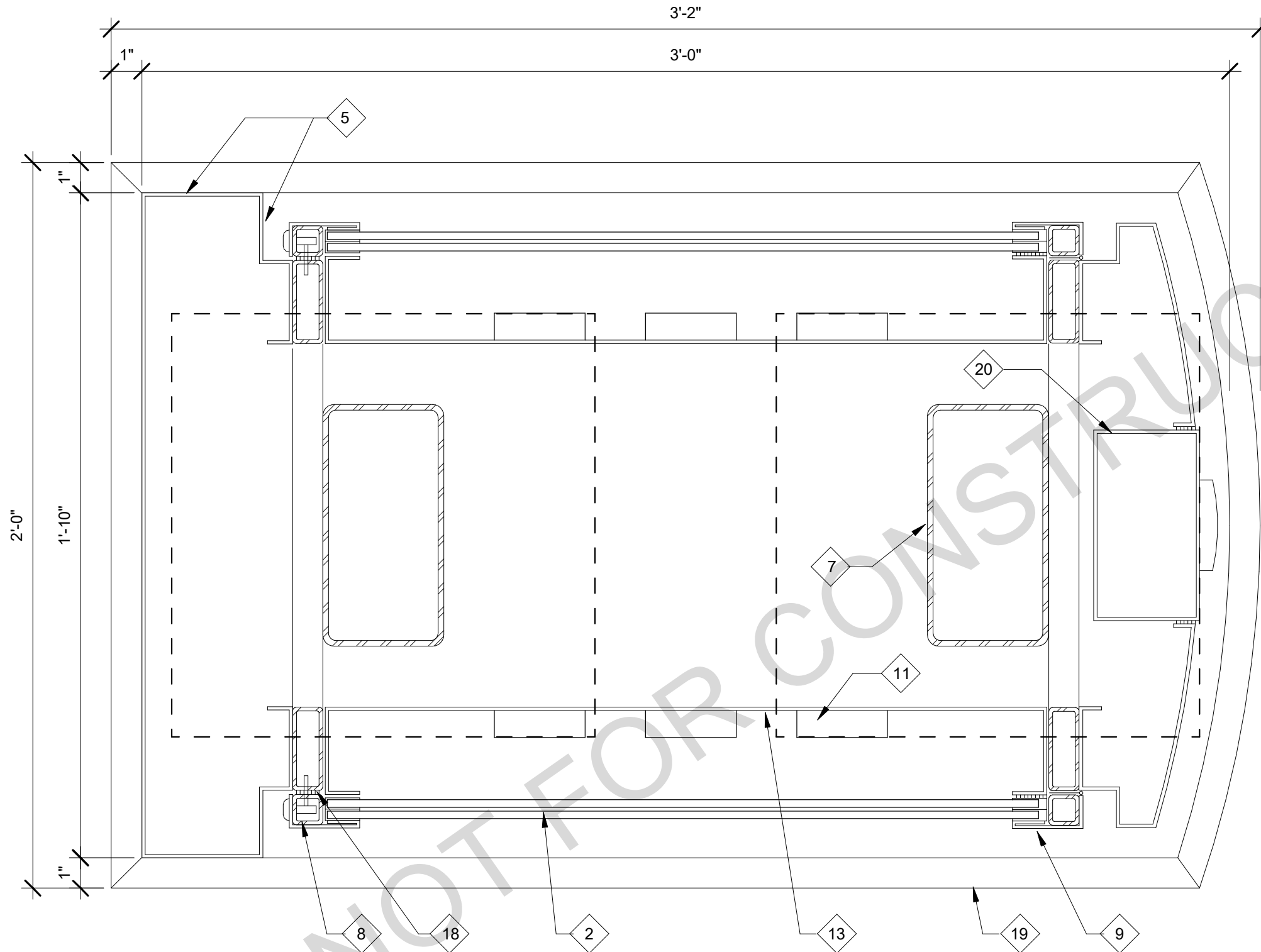
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DATE	DESCRIPTION
11/11/19	90% DESIGN



TOTEM SECTIONS

SHEET NO.
A-22

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3 TOTEM MAP DETAIL

A-22 3" = 1'-0"

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REVISIONS	
DATE	DESCRIPTION
11/11/19	90% DESIGN

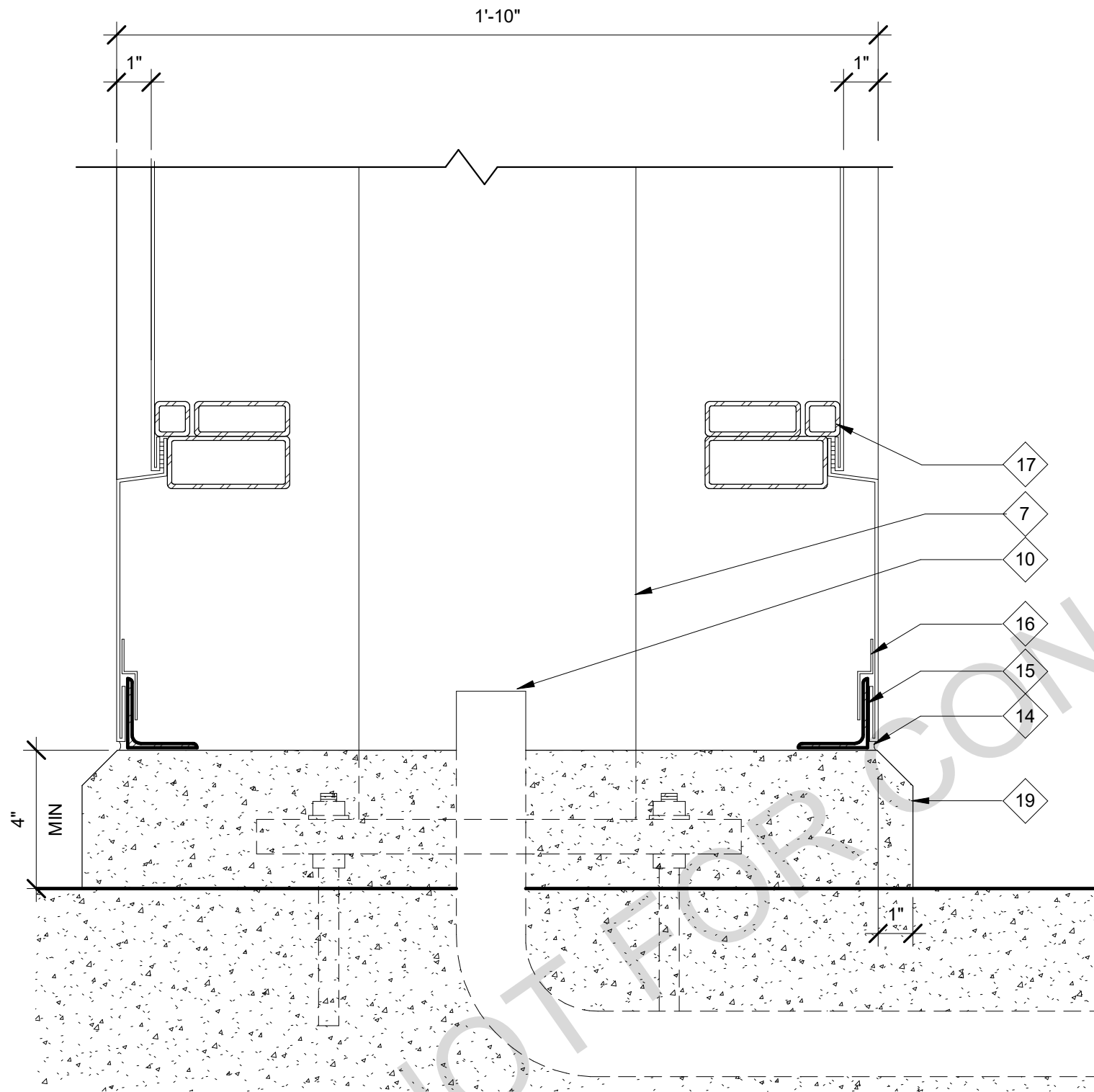


TOTEM MAP DETAIL

SHEET NO.

A-23

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2 TOTEM BASE DETAIL
A-22 3" = 1'-0"

KEYNOTES

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REVISIONS	
DATE	DESCRIPTION
11/11/19	90% DESIGN

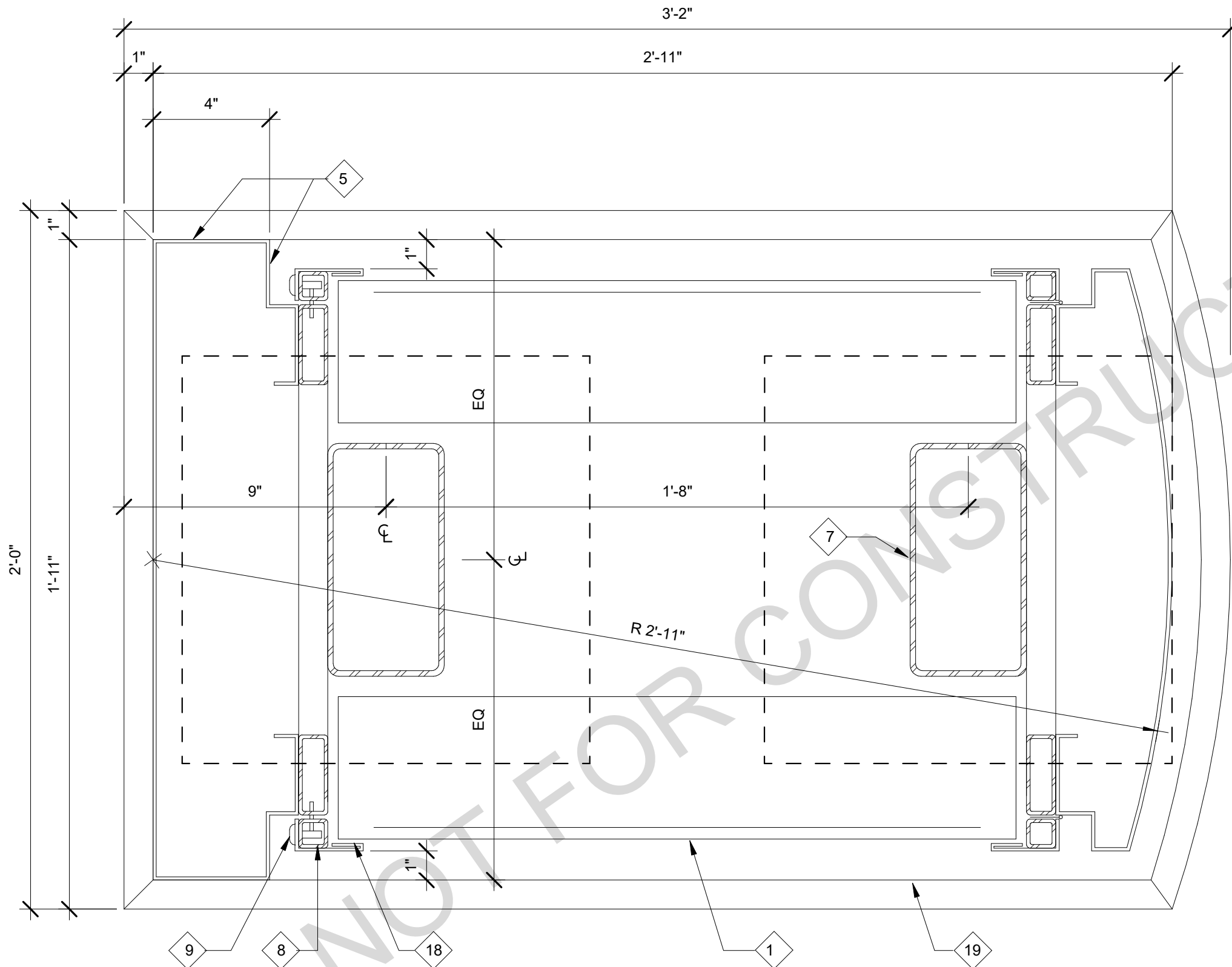


TOTEM SECTION DETAIL

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A-24

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1 TOTEM MONITOR DETAIL
A-22 3" = 1'-0"

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101 SOUTHWALL LANE, SUITE 200
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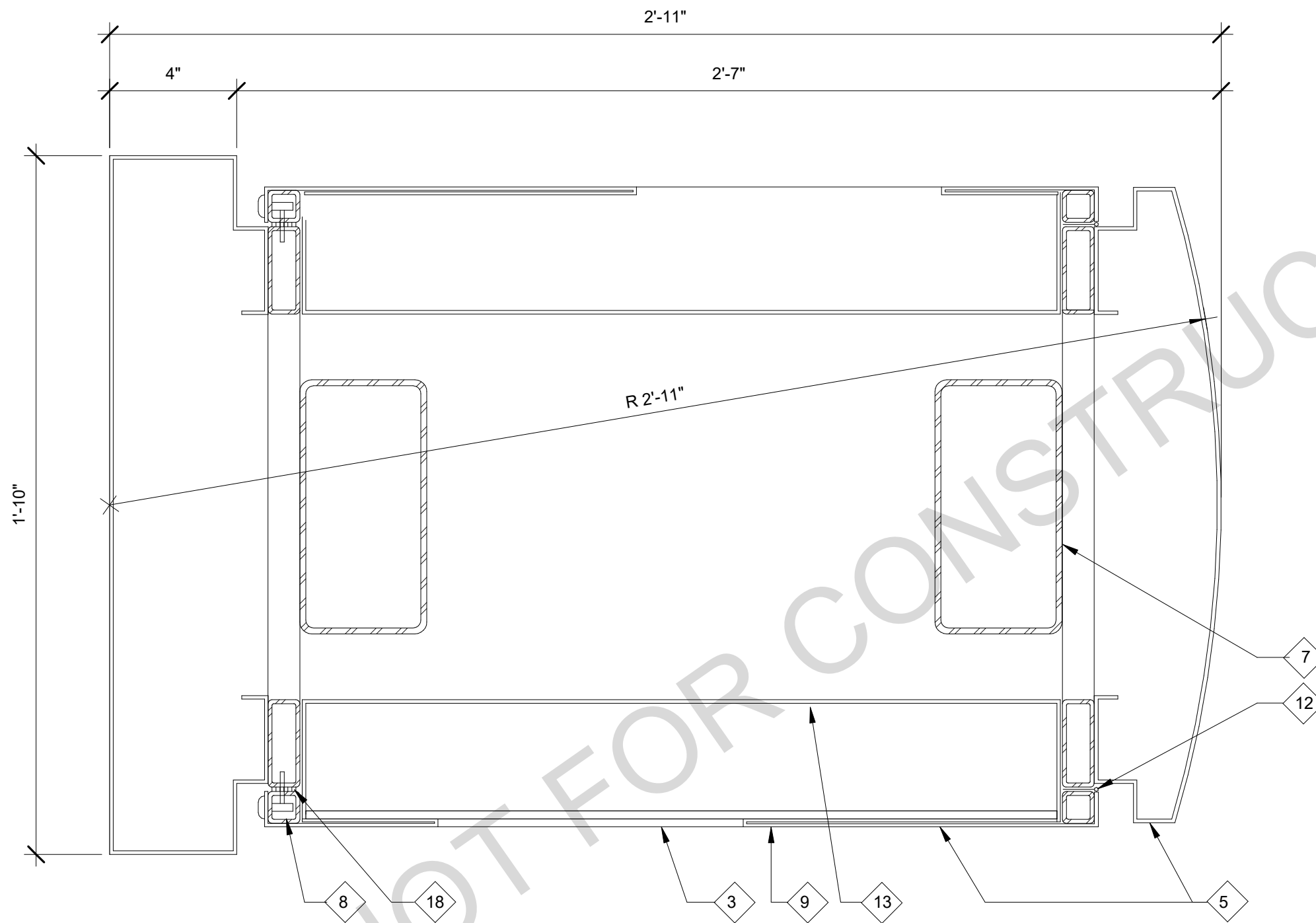
TOTEM MONITOR DETAIL

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A-25

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1 TOTEM LOGO DETAIL
A-22 3" = 1'-0"

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MAITLAND, FLORIDA 32751

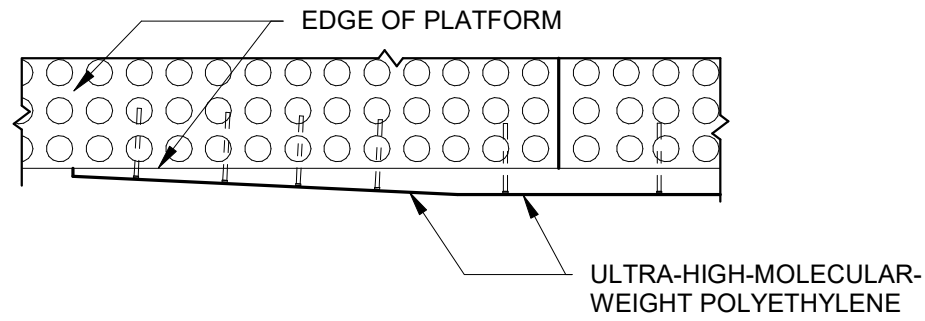
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DATE	DESCRIPTION
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TOTEM LOGO DETAIL

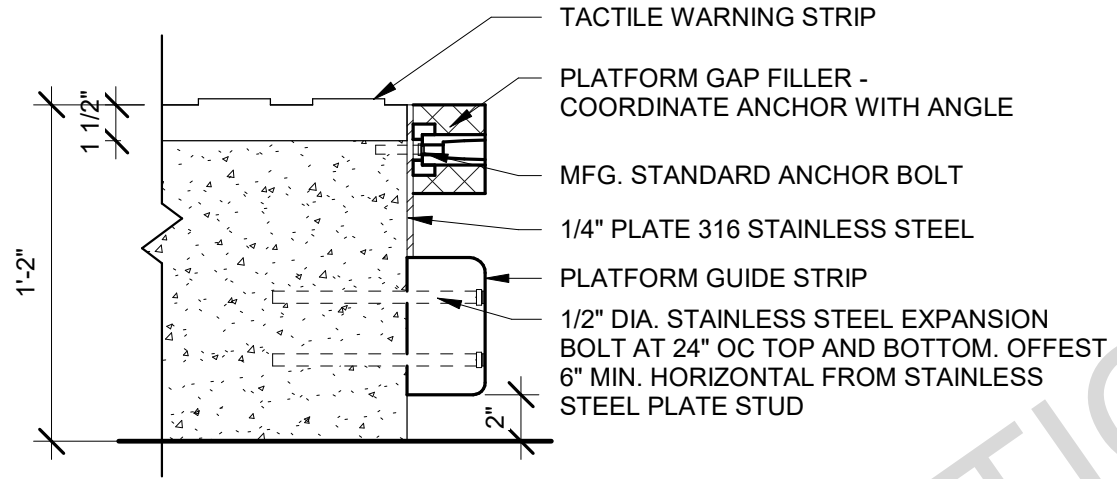
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WHEEL GUIDE DETAIL

1 **DETAIL**
1/2" = 1'-0"



PLATFORM EDGE DETAIL

2 **DETAIL**
A-11 1 1/2" = 1'-0"

NOT FOR CONSTRUCTION

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NO. AR92055
FL. CORP ARCHITECTURE AA-0002781
101 SOUTHBALL LANE, SUITE 200
MAITLAND, FLORIDA 32751

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DATE	DESCRIPTION
11/11/19	90% DESIGN



PLATFORM DETAILS

SHEET NO.
A-27

GENERAL NOTES

DESIGN CRITERIA:

CODES:

- FLORIDA BUILDING CODE, SIXTH EDITION (2017)
- AISC 360-10 SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS
- FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION
- FDOT STRUCTURES DESIGN GUIDELINES

DESIGN LOADS:

LIVE LOADS:

- WALKWAYS 100 PSF

WIND DESIGN DATA: ASCE 7-10

- ULTIMATE DESIGN WIND SPEED, V_{ult} (3 SECOND GUST) 146 MPH
- NOMINAL DESIGN WIND SPEED, V_{asd} 128 MPH
- RISK CATEGORY II
- WIND EXPOSURE CATEGORY C
- ENCLOSURE CLASSIFICATION OPEN

CONCRETE 28-DAY STRENGTH:

- SLABS CLASS IV 5500 PSI

FOUNDATIONS:

- ASSUMED ALLOWABLE BEARING PRESSURE FOR MAT FOUNDATIONS OVER SUBSURFACE: 2000 PSF

GENERAL CONDITIONS:

ALL STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE ARCHITECTURAL, CIVIL, AND SHOP DRAWINGS AND SPECIFICATIONS.

THE CONTRACTOR SHALL REVIEW AND VERIFY DIMENSIONS SHOWN IN ALL PLANS AND REVIEW ALL FIELD CONDITIONS THAT MAY AFFECT THE INSTALLATION OF THE FACILITY, SHOULD DISCREPANCIES APPEAR, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING TO OBTAIN ENGINEER'S CLARIFICATION BEFORE COMMENCING WITH THE WORK.

FOR ALL ITEMS EMBEDDED IN OR PASSED THROUGH CONCRETE, THE CONTRACTOR SHALL INITIALLY REFER TO ARCHITECTURAL DRAWINGS AND APPROVED SHOP DRAWINGS FOR TYPE, SIZE, LOCATION AND SPECIAL INSTALLATION REQUIREMENTS FOR THESE ITEMS.

CONCRETE:

ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL BE IN ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS, CLASS IV CONCRETE FOR EXTREMELY AGGRESSIVE ENVIRONMENT.

ALL EXPOSED CORNERS OF CONCRETE SHALL HAVE A MINIMUM CHAMFER OF 3/4" UNLESS OTHERWISE NOTED.

THE CONTRACTOR SHALL OBTAIN ENGINEER'S APPROVAL FOR THE LOCATION OF CONSTRUCTION JOINTS THAT ARE NOT SHOWN ON THE DRAWING.

FINISH CONCRETE PLATFORM WITH BROOM FINISH PER FDOT SPECIFICATION SECTION 522.

REINFORCING STEEL:

REINFORCEMENT SHALL CONFORM TO FDOT STANDARD SPECIFICATIONS.

ALL ACCESSORIES SHALL BE IN CONFORMANCE WITH FDOT STANDARD SPECIFICATIONS.

REINFORCING STEEL SHALL HAVE THE FOLLOWING CLEAR COVER UNLESS OTHERWISE NOTED:

- CONCRETE CAST AGAINST EARTH 4 1/2"
- FORMED SURFACES IN CONTACT WITH SOIL, SEWAGE, WATER OR EXPOSED TO WEATHER 3"
- FORMED SURFACES NOT EXPOSED TO WEATHER OR IN CONTACT WITH SOIL:
 - SLABS, WALLS AND JOISTS 2"
 - BEAMS AND COLUMNS 1-1/2"
 - TOP SURFACE OF SLABS 2"

LAP SPLICES SHALL BE AS REQUIRED BY ACI 318.

ABBREVIATIONS:

- | | |
|------|----------------|
| CONT | CONTINUOUS |
| EW | EACH WAY |
| JT | JOINT |
| T&B | TOP AND BOTTOM |
| TYP | TYPICAL |

DATE:
WILLIAM R. MAPLES
PE NO. 49311

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Maitland, FL 32751
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FL COA No. EB-0000020



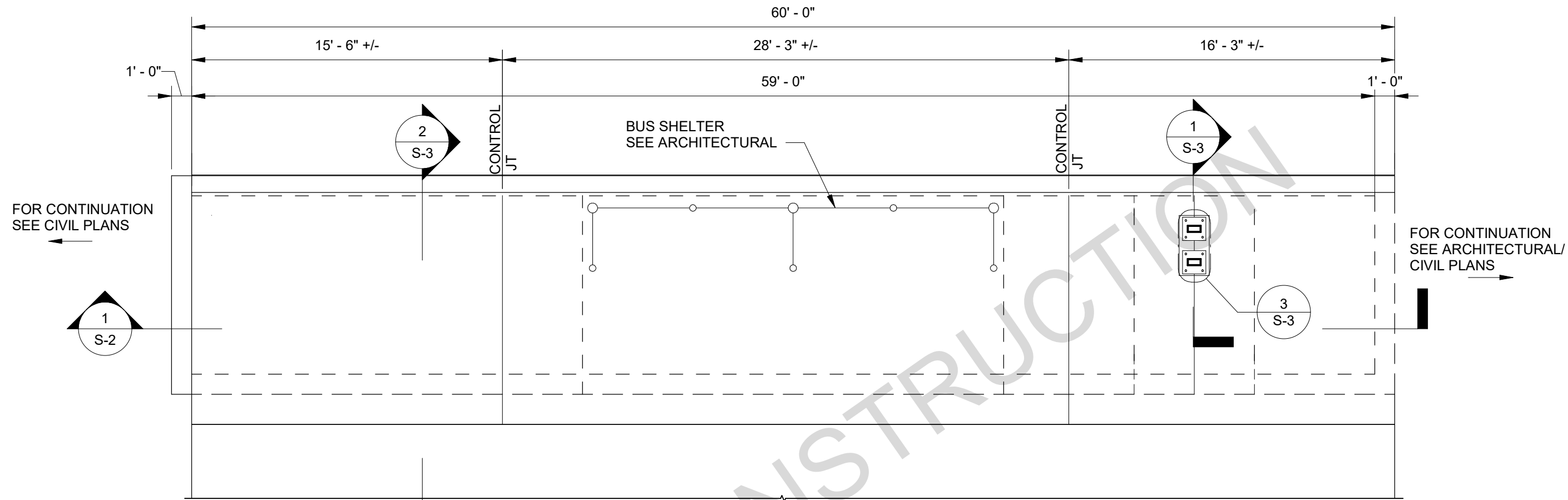
CENTRAL AVE. BRT

STRUCTURAL NOTES

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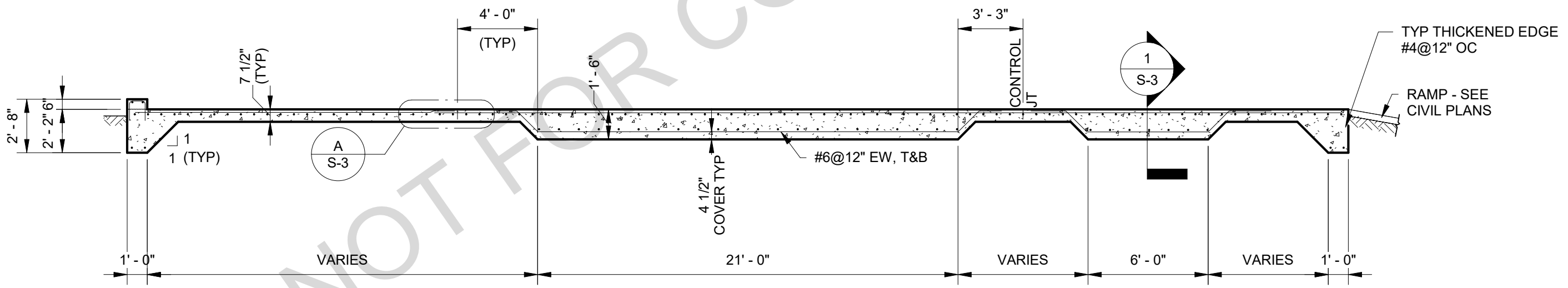
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TYPICAL IN-LINE FOUNDATION
PLAN
 3/16" = 1'-0"

* SEE CIVIL FOR PLAN VIEWS OF INDIVIDUAL STATIONS. LAYOUT SHOWN IS TYPICAL FOR SHELTER, TOTEM AND EDGE DETAILS.



TYPICAL IN-LINE ELEVATED PLATFORM
1 SECTION
 3/16" = 1'-0"

DATE:
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 PE NO. 49311

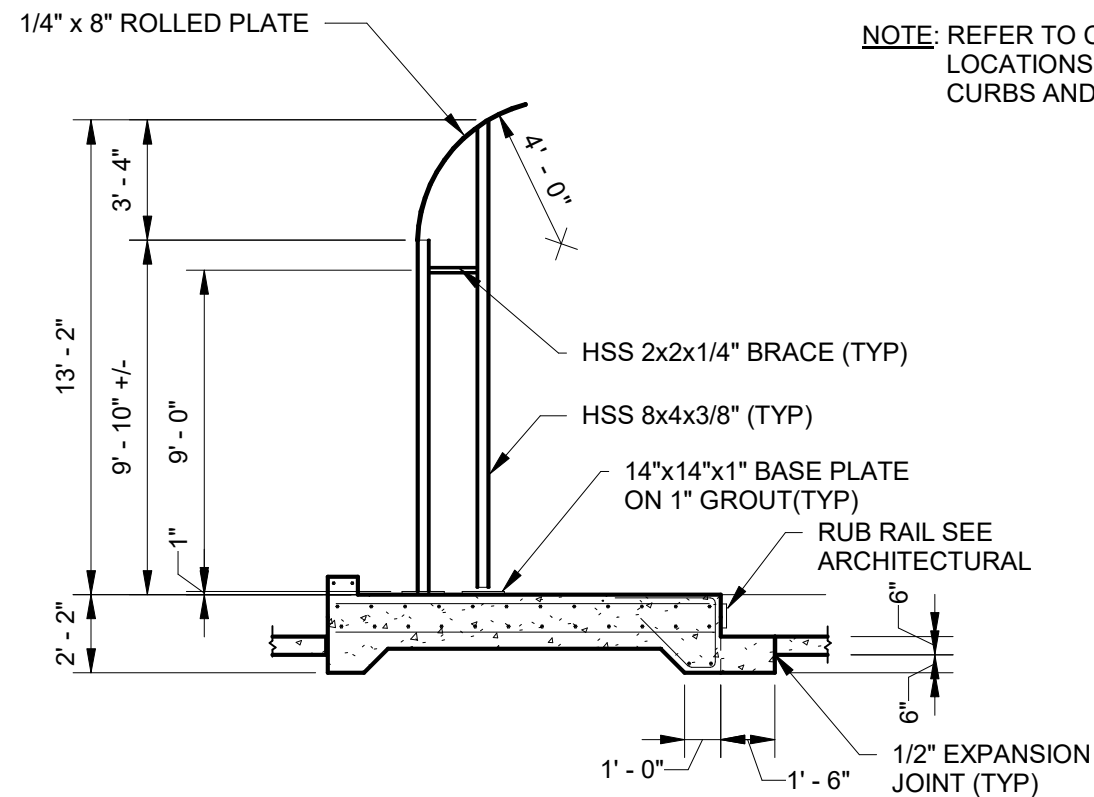
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DATE	DESCRIPTION	DATE	DESCRIPTION
8/29/19	60% DESIGN		



**BUS SHELTER
 IN-LINE
 PLAN AND SECTION**

SHEET NO.
S-2

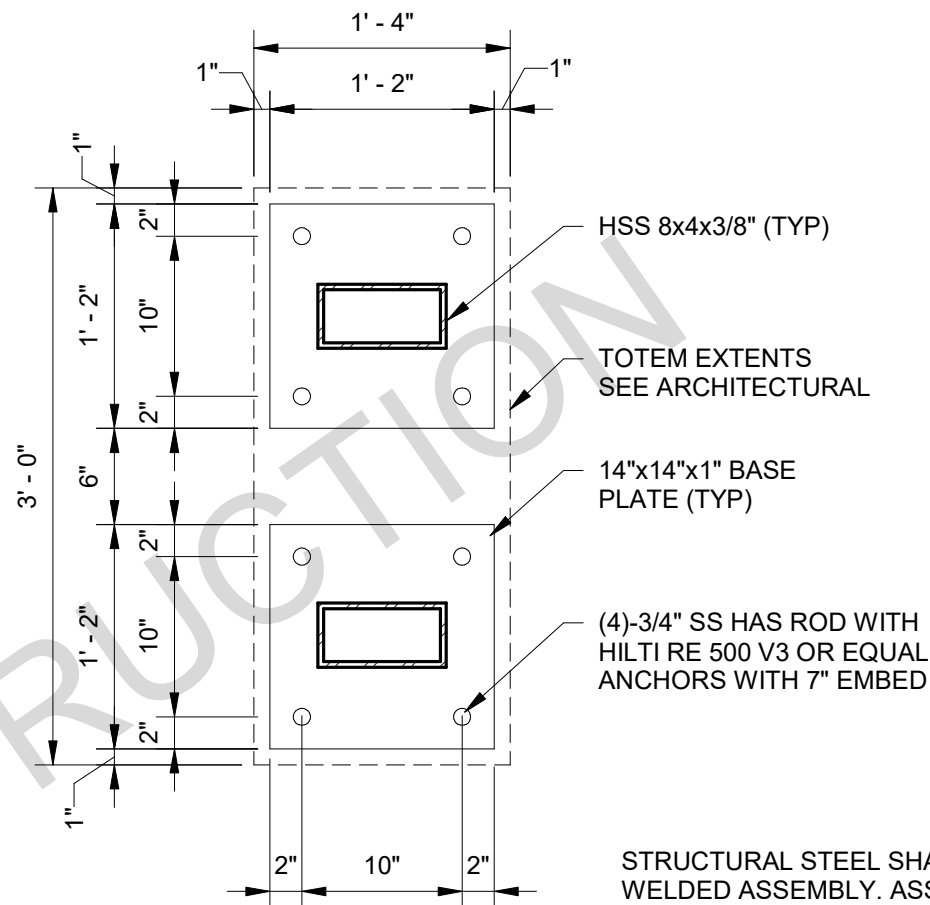
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IN-LINE TOTEM SUPERSTRUCTURE

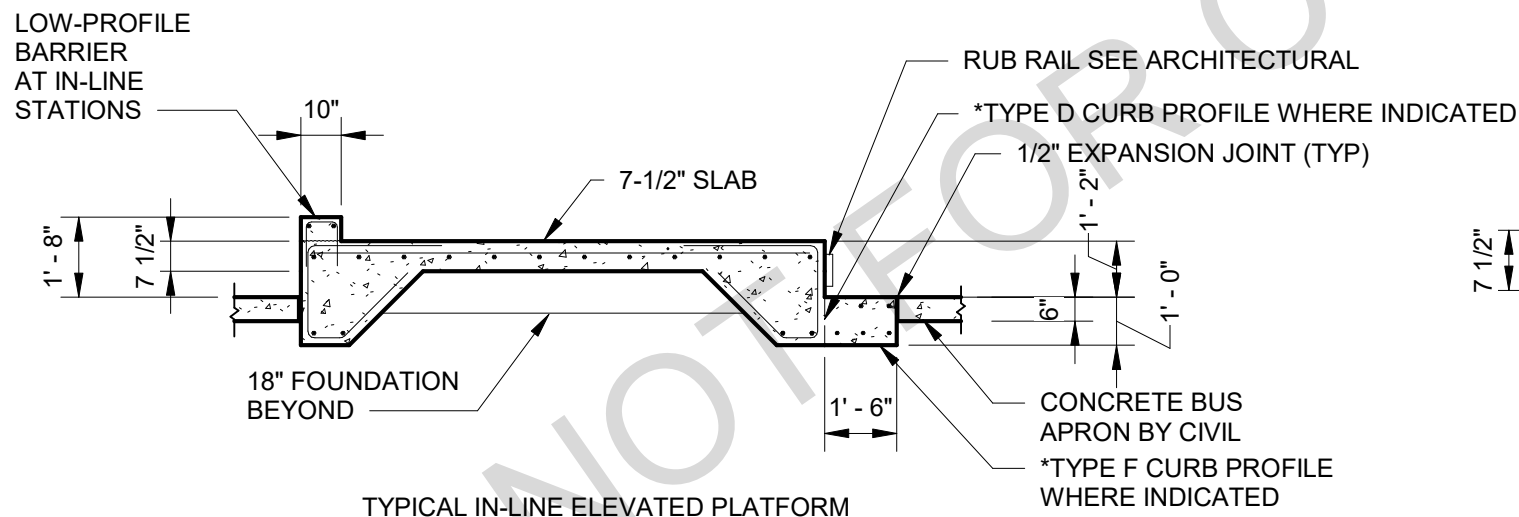
1 SECTION
S-2 3/16" = 1'-0"

NOTE: REFER TO CIVIL DRAWINGS FOR LOCATIONS OF TYPE F AND TYPE D CURBS AND LOW-IMPACT DIVIDER WALL.



TOTEM FOUNDATION
PLAN
1" = 1'-0"

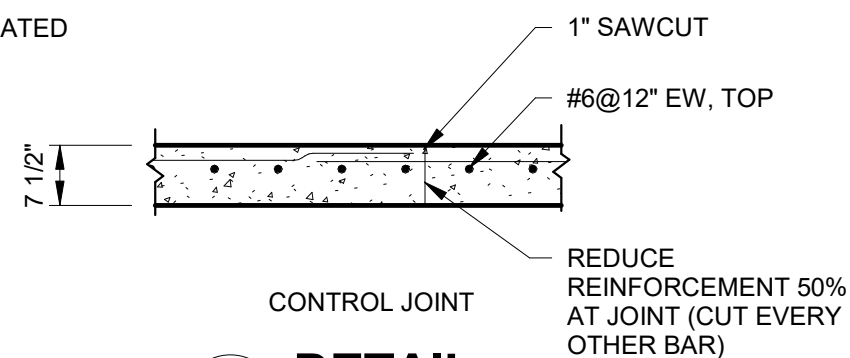
STRUCTURAL STEEL SHALL BE FULLY WELDED ASSEMBLY. ASSEMBLY SHALL BE HOT DIP GALVANIZED. TUBES SHALL BE VENTED FOR GALVANIZING.



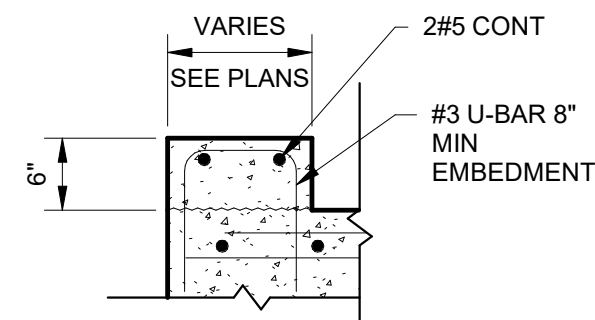
TYPICAL IN-LINE ELEVATED PLATFORM

2 SECTION
S-2 1/4" = 1'-0"

* REFER TO CIVIL SHEETS FOR CURB TYPES



A DETAIL
S-2 1/2" = 1'-0"



B DETAIL
- 3/4" = 1'-0"



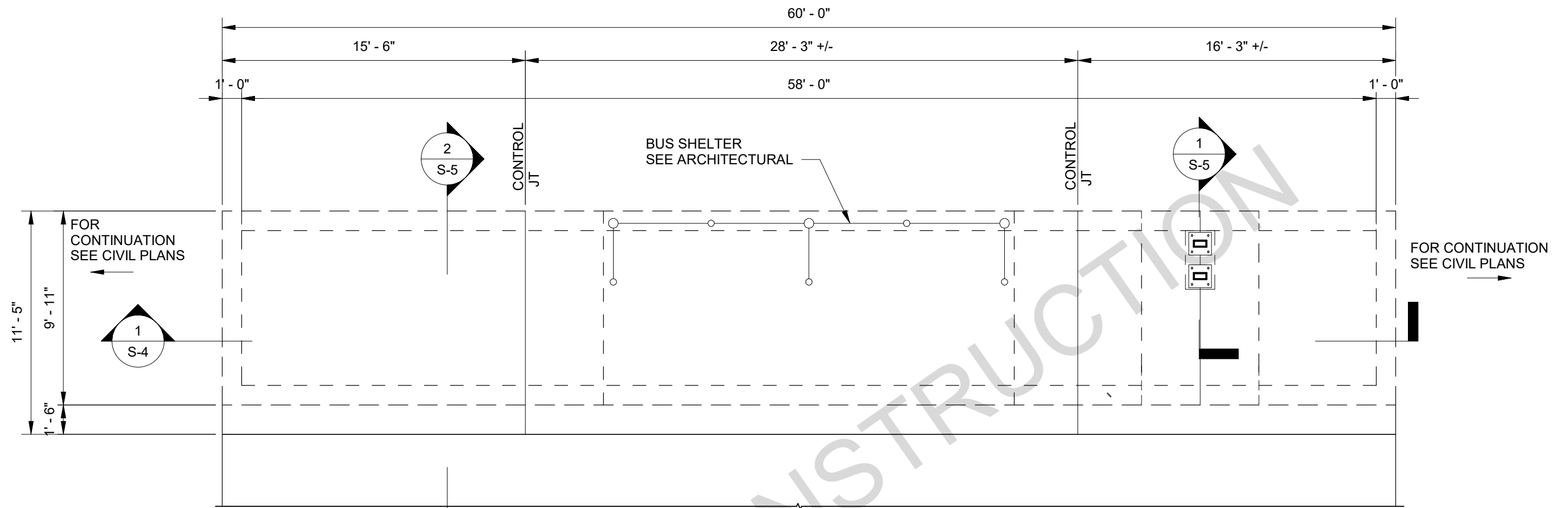
**BUS SHELTER
IN-LINE
SECTIONS AND DETAILS**

SHEET NO.
S-3

DATE:
WILLIAM R. MAPLES
PE NO. 49311

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DATE	DESCRIPTION	DATE	DESCRIPTION
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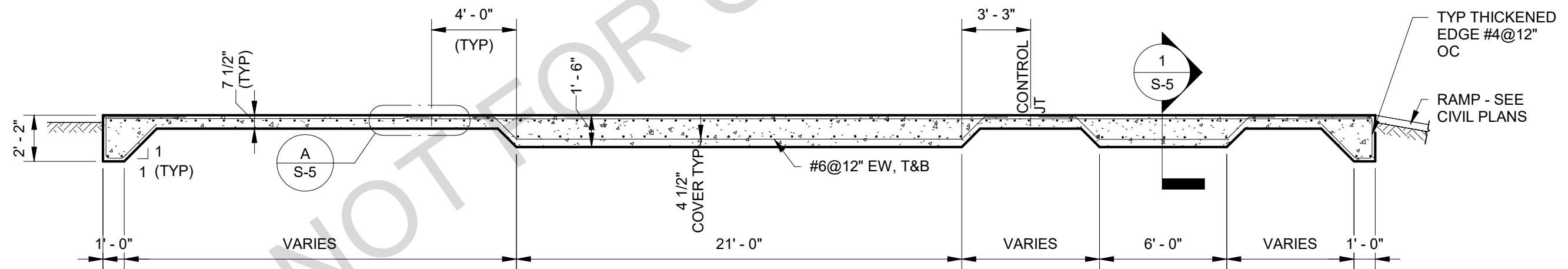


TYPICAL CURBSIDE FOUNDATION

PLAN

3/16" = 1'-0"

* SEE CIVIL FOR PLAN VIEWS OF INDIVIDUAL STATIONS. LAYOUT SHOWN IS TYPICAL FOR SHELTER, TOTEM AND EDGE DETAILS.



TYPICAL CURBSIDE ELEVATED PLATFORM

1 SECTION
3/16" = 1'-0"

DATE:
WILLIAM R. MAPLES
PE NO. 49311

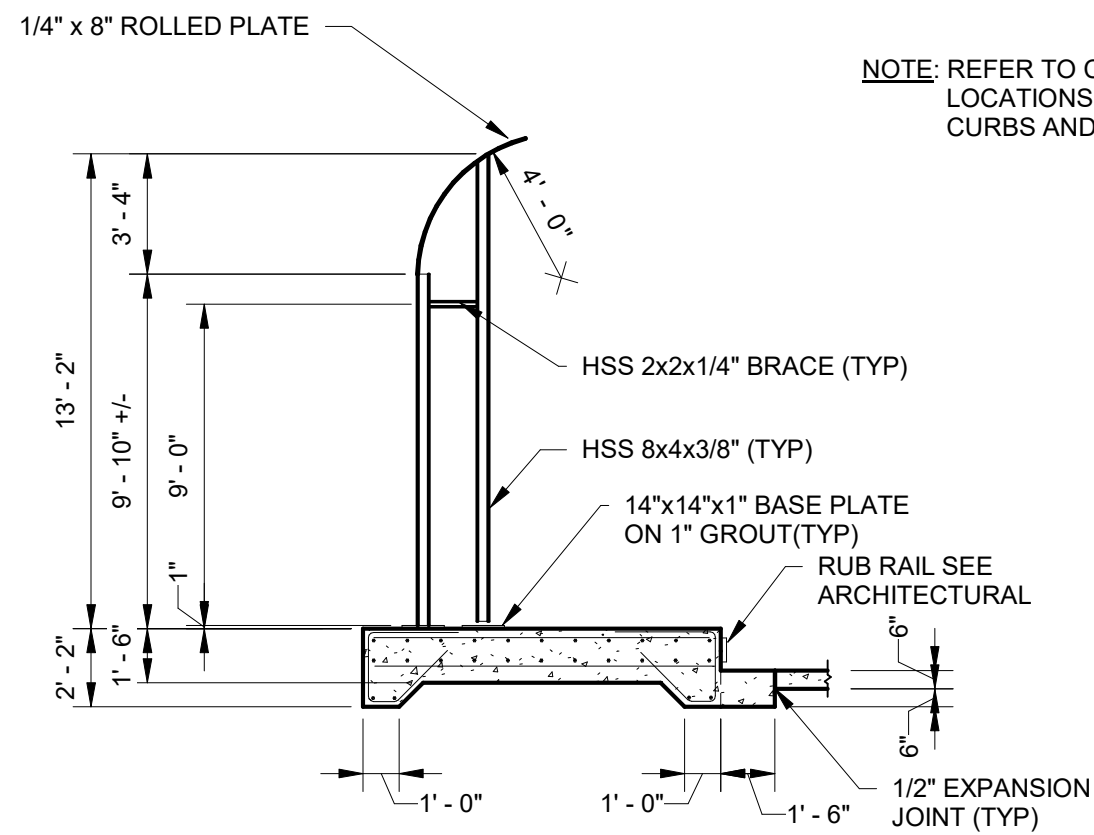
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DATE	DESCRIPTION	DATE	DESCRIPTION
8/29/19	60% DESIGN		



**BUS SHELTER
CURB SIDE
PLAN AND SECTION**

SHEET NO.
S-4

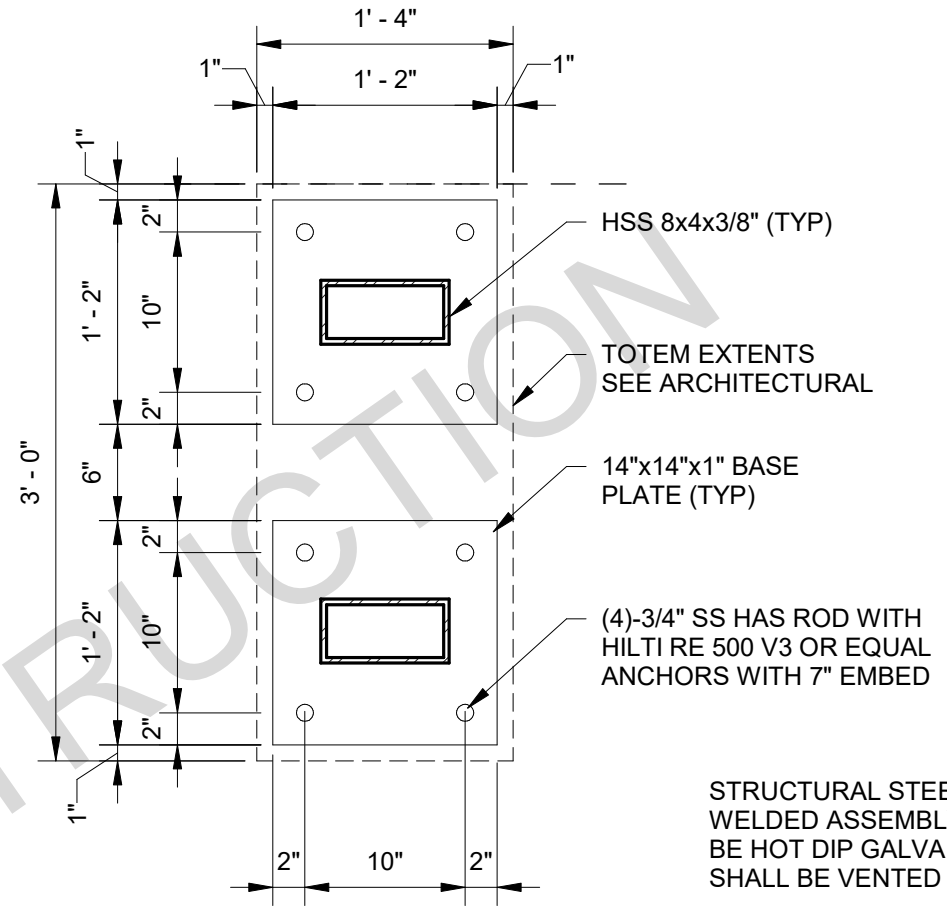
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TYPICAL CURBSIDE TOTEM SUPERSTRUCTURE

1 SECTION
S-4 3/16" = 1'-0"

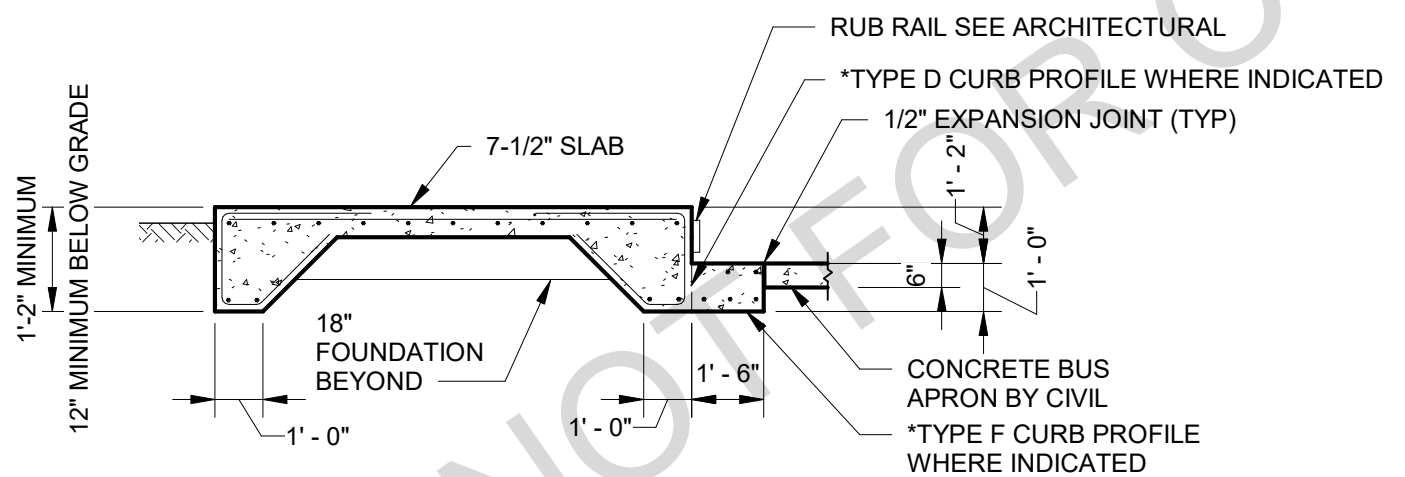
NOTE: REFER TO CIVIL DRAWINGS FOR LOCATIONS OF TYPE F AND TYPE D CURBS AND LOW-IMPACT DIVIDER WALL.



TOTEM FOUNDATION

PLAN
1" = 1'-0"

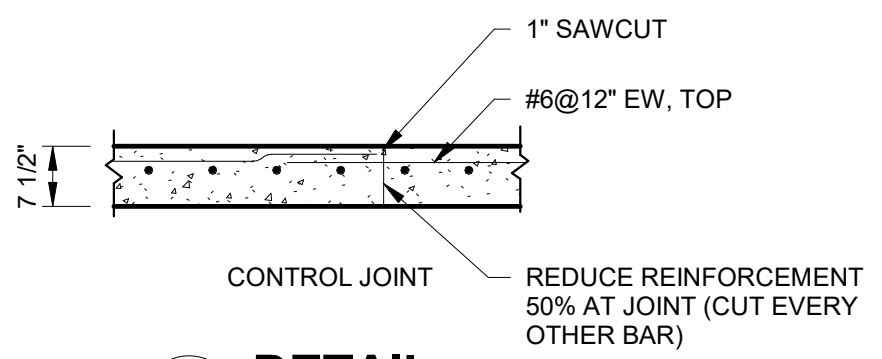
STRUCTURAL STEEL SHALL BE FULLY WELDED ASSEMBLY. ASSEMBLY SHALL BE HOT DIP GALVANIZED. TUBES SHALL BE VENTED FOR GALVANIZING.



TYPICAL CURBSIDE ELEVATED PLATFORM

2 SECTION
S-4 1/4" = 1'-0"

* REFER TO CIVIL SHEETS FOR CURB TYPES



A DETAIL
S-4 1/2" = 1'-0"

DATE:
WILLIAM R. MAPLES
PE NO. 49311

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
8/29/19	60% DESIGN		



**BUS SHELTER
CURB SIDE
SECTIONS AND DETAILS**

SHEET NO.
S-5