SAN MATEO COUNTY TRANSIT DISTRICT
BUS SHELTER IMPROVEMENT PLAN
KIT OF PARTS BUS SHELTERS

C:\Users\RButiong\Documents\24105 - Sam Tram Bus Stop - New Design_rbutiong@designbythebay.com.rvt

1/12/2026 11:15:32 AM

REV.	DATE	BY	SUB	APP.	DESCRIPTION
	12/17/2025				FINAL SUBMITTAL

DESIGNED: R. BUTIONG
DRAWN: E. PETRIE
CHECKED: R. BUTIONG
APPROVED: R. CHIANG
DATE: 11/11/25

Fehr & Peers
Fehr and Peers
345 California Street
Suite 450
San Francisco, CA 94104
Main: 415-348-0300
Fax: 415-773-1790

Robin Chiang & Company
381 Tehama Street
San Francisco, CA 94103

STAMP: STATE OF CALIFORNIA C31182 exp. 8-30-27 ROBIN CHIANG REGISTERED ARCHITECT

SAN MATEO COUNTY TRANSIT DISTRICT
BUS STOP IMPROVEMENT PLAN

ARCHITECTURAL
BUS SHELTER KIT OF PARTS

COVER PAGE

SIZE: D
SCALE: AS NOTED
SHEET NUMBER: **A0**
PAGE NO.

C:\Users\RButiong\Documents\24105 - Sam Tram Bus Stop - New Design_rbutiong@designbythebay.com.rvt

1/12/2026 11:15:32 AM

REV.	DATE	BY	SUB	APP.	DESCRIPTION
	12/17/2025				FINAL SUBMITTAL

DESIGNED: R. BUTIONG
DRAWN: E. PETRIE
CHECKED: R. BUTIONG
APPROVED: R. CHIANG
DATE: 11/11/25

Fehr & Peers
Fehr and Peers
345 California Street
Suite 450
San Francisco, CA 94104
Main: 415-348-0300
Fax: 415-773-1790

Robin Chiang & Company
381 Tehama Street
San Francisco, CA 94103

STAMP: STATE OF CALIFORNIA C31162 exp. 8-30-27 ROBIN CHIANG REGISTERED ARCHITECT

SAN MATEO COUNTY TRANSIT DISTRICT
BUS STOP IMPROVEMENT PLAN

ARCHITECTURAL
BUS SHELTER KIT OF PARTS

MONO-POST BUS STOP POLE RENDERING

SIZE: D
SCALE: AS NOTED
SHEET NUMBER: **A000**
PAGE NO.

PROJECT DATA:

KIT OF PARTS BUS SHELTERS: CURVED ROOF SHELTERS

- 4 POSTS STANDARD WITH ADVERTISING PANEL ON THE LEFT SIDE AND NARROW END PANEL ON THE RIGHT SIDE
- 4 POST NARROW END PANELS AT LEFT AND RIGHT SIDE
- 2 POST CANTILEVERED ROOF WITHOUT SIDE PANELS
- 4 POST LASER CUT PATTERN WALL PANELS (FOLIAGE PATTERNS)
- MONO-POST BUS STOP WITH A VERTICAL SUN SCREEN

BUS SHELTER NOMINAL DIMENSIONS:
LENGTH: +/-11'-6" (STANDARD THREE BACK WALL PANELS) TO 15'-2" (EXTENDED FOUR BACK WALL PANELS) RANGE
DEPTH: +/-6'-4"
HEIGHT: +/-9'-0"

MONO-POST BUS STOP:
LENGTH: +/-2'4"
DEPTH: +/-2'-0"
HEIGHT: +/-11'-8"

NOTE: PROVIDE ACCOMMODATIONS FOR BUS SHELTERS AND MONO-POST BUS STOP POLE INSTALLED AT SLOPE CONDITIONS: SHELTER POST AND MONO-POST MODIFIED BASE.

ALTERNATE WALL PANEL ASSEMBLY: FOR WINDY CONDITIONS
- PERFORATED WALL PANEL / LEXAN POLYCARBONATE PANEL / PERFORATED WALL PANEL ASSEMBLY

ALTERNATE WALL PANEL UPGRADE: LASER CUT FOLIAGE PATTERN
- REQUIRES DESIGN VARIANCE PROCESS WITH SAMTRAMS FACILITIES FOR CITIES OPTING TO USE THE UPGRADE FOLIAGE PATTERN ON BUS SHELTERS.

CONCRETE FOUNDATION PER SHELTER MANUFACTURER'S STRUCTURAL REQUIREMENTS, BY OTHERS.
- FOR 4 POST SHELTERS- 6" MINIMUM THICKNESS
- FOR TWO POST SYSTEMS: REQUIRES STRUCTURAL ENGINEER'S CALCULATIONS FOR REQUIRED FOUNDATION DEPENDENT ON VARIOUS SITE CONDITIONS SUCH AS SLOPING SIDEWALKS.

GRAPHICS PER SAMTRANS DIRECTION. LOGO DESIGN IS PLACEHOLDER. CREATIVE SERVICES/COMMS TO PROPOSE MORE APPROPRIATE DESIGN/SIGN SIZE AND DIMENSIONS.

- ADD/OPTION OF DIGITAL ADVERTISING PANEL ON THE LEFT SIDE OF BUS SHELTER AND/OR WALL BACK PANEL.

Sheet Index

SamTrans Style Guide

Primary Colors

The brand's **primary colors** are blue (PMS 287), red (PMS 186), black, & silver, and should be used dominantly on all communications materials. Tints of blue (PMS 287), red (PMS 186), black, and silver colors can also be used.

All color specifications are the same for coated or uncoated paper stock, as well as fabric application.

In lieu of using the Pantone Matching System color, acceptable substitutes are noted below:

Blue (PMS 287) COATED: Pantone 287 C -
CMYK 100, 75, 2, 18
Blue (PMS 287) UNCOATED: Pantone 287 U -
CMYK 92, 62, 0,0

Red (PMS 186) COATED: Pantone 186 C -
CMYK 2, 100, 85, 6
Red (PMS 186) UNCOATED: Pantone 186 U -
CMYK 1, 91, 72, 3

Black COATED: PANTONE Black C:
CMYK 63, 62, 59, 94
Black UNCOATED: CMYK 0 0 0 100

White: PANTONE Bright White -
CMYK 0, 0, 0, 0

PROPER COLOR USAGE OF LOGO:

For multicolor printing, use the official black, white, sliver, blue (PMS 287) and red (PMS 186).

For single-color printing, use black or white only.

COLOR PALLETE LEGEND

(BLUE)	(RED)	(SILVER)	(BLACK)
PANTONE 287	**PANTONE 186**	**Silver**	**Black**
Hex: #003087	Hex: #C8102E	Hex: #C8D2D8	Hex: #000000
R: 0, G: 48, B: 135	R: 200, G: 16, B: 46	R: 200, G: 210, B: 216	R: 0, G: 0, B: 0
C: 100 %, M: 75 %, Y: 2 %, K: 18 %	C: 2 %, M: 100 %, Y: 85 %, K: 6 %	C: 7 %, M: 3 %, Y: 0 %, K: 15 %	C: 0 %, M: 0 %, Y: 0 %, K: 100 %

BUS SHELTER KIT OF PARTS MATERIAL COLOR LEGEND

SHELTER ELEMENT	MATERIAL	COLOR	FINISH	PAINT	NOTES
CELLULAR POLYCARBONATE ROOF PANEL	3/8" THICK CELLULAR POLYCARBONATE ROOF PANEL	BLUE	SEE NOTE	INTEGRAL COLOR	MATTE FINISH ON BOTH TOP AND BOTTOM SIDES
ROOF BEAMS ASSEMBLY	METAL STRUCTURE WITH ALUMINUM FINISH CLADDING	SILVER	SEMI-GLOSS	SUPER DURABLE BAKED POWDER COAT ENAMEL FINISH, 5 MIL FINAL THICKNESS.	-
POSTS ASSEMBLY	METAL STRUCTURE WITH ALUMINUM FINISH CLADDING	SILVER	SEMI-GLOSS	SUPER DURABLE BAKED POWDER COAT ENAMEL FINISH, 5 MIL FINAL THICKNESS.	-
FRAMED PERFORATED METAL PANEL ASSEMBLY AT BACK WALL AND SIDE WALL	ROUND, ALUMINUM, ALLOY 3003-H14, .1250" THICK (8 GAUGE), 1/4" ROUND ON 5/16" STAGGERED CENTERS, 58% OPEN AREA	SILVER	SEMI-GLOSS	SUPER DURABLE BAKED POWDER COAT ENAMEL FINISH, 5 MIL FINAL THICKNESS.	-
ACCESSORIES					
SOLAR PANELSROOF MOUNTED RMS RAD SOLAR PANEL SYSTEM OR SIMILAR	PER MANUFACTURER	SILVER	SEMI-GLOSS	SUPER DURABLE BAKED POWDER COAT ENAMEL FINISH, 5 MIL FINAL THICKNESS.	ALTERNATE: SOLAR PANELS ON CANTILEVERED FIN TYPE SUPPORT BRACKETS OR SAN DIEGO MTS PV ROOF MOUNTED
TWO-SIDED ADVERTISING PANEL HINGED FRAME	ALUMINUM	SILVER	SEMI-GLOSS	SUPER DURABLE BAKED POWDER COAT ENAMEL FINISH, 5 MIL FINAL THICKNESS.	OPTIONAL/ALTERNATE STATIC ADVERTISING DISPLAY AT SHELTER BACK PANELS. TBD PER SAMTRANS
LED DIGITAL DISPLAY ADVERTISING PANEL-TWO SIDED	ALUMINUM FRAME	SILVER	SEMI-GLOSS	SUPER DURABLE BAKED POWDER COAT ENAMEL FINISH, 5 MIL FINAL THICKNESS.	OPTIONAL/ALTERNATE TO STATIC ADVERTISING DISPLAY, TBD PER SAMTRANS. NEMA RATED WEATHER RESISTANT ENCLOSURE, TYP
SIGN PANEL WITH GRAPHICS AT BACK WALL	1/8" THICK ALUMINUM PANEL	SILVER	SEMI-GLOSS	SUPER DURABLE BAKED POWDER COAT ENAMEL FINISH, 5 MIL FINAL THICKNESS.	GRAPHICS AND SIZE TBD PER SAMTRANS
LED CEILING MOUNTED 24" STRIP DOWNLIGHT	PER MANUFACTURER	PER MANUFACTURER	PER MANUFACTURER	-	-
METAL BENCH- PERFORATED	ALUMINUM	BLUE	SEMI-GLOSS	SUPER DURABLE BAKED POWDER COAT ENAMEL FINISH, 5 MIL FINAL THICKNESS.	TOLAR CONTOUR 6'
PERCH METAL BENCH- THREE SLAT SEATING	ALUMINUM	BLUE	SEMI-GLOSS	SUPER DURABLE BAKED POWDER COAT ENAMEL FINISH, 5 MIL FINAL THICKNESS.	6' EURO LEANING RAIL WITH 1 CENTER V-BAR https://tolarmfg.com/products/street furniture/seating/sfben-35/
SIMME BENCH- PERFORATED WITH DIVIDER	ALUMINUM	BLUE	SEMI-GLOSS	SUPER DURABLE BAKED POWDER COAT ENAMEL FINISH, 5 MIL FINAL THICKNESS.	-https://simmeseat.com/products/
REAL TIME INFORMATION DISPLAY & QR CODE LABEL	PER MANUFACTURER	BLUE, SILVER, RED COLOR OPTIONS	PER MANUFACTURER	-	E-INK DISPLAY; 3"X3" QR CODE LABEL STICKER ON METAL PLATE MOUNTED ON POST, LOCATION PER SAMTRANS
GUIDE A RIDE FRAME AND TUBE KIT	PER MANUFACTURER	-	PER MANUFACTURER	-	ALTERNATE OPTION FOR REAL TIME INFORMATION DISPLAY-SEE SHEET A15.
TRASH RECEPTACLE- 32 GALLON	STEEL	BLUE	SEMI-GLOSS	SUPER DURABLE BAKED POWDER COAT ENAMEL FINISH, 5 MIL FINAL THICKNESS.	36 GALLON TRASH CAN WITH CONVEX LID
MAP CASE FOR BUS ROUTE	ALUMINUM	BLACK	MATTE	-	PER SAMTRANS APPROVED MANUFACTURER
ALTERNATE WALL PANEL ASSEMBLY					
LASER CUT PATTERN (FOLIAGE)	1/8" THICK ALUMINUM PANEL	SILVER	SEMI-GLOSS	SUPER DURABLE BAKED POWDER COAT ENAMEL FINISH, 5 MIL FINAL THICKNESS.	MOZ DESIGN: https://mozdesigns.com/products/sheet-metal-metal/laser-cut/; BOK Modern: https://mozdesigns.com/products/sheet-metal-metal/laser-cut/
SOLID POLYCARBONATE PANEL (LEXAN)	1/4" THICK LEXAN PANEL	CLEAR	CLEAR	-	-
MONO- POST BUS STOP ASSEMBLY					
POST	2" DIAMETER X 1/8" THICK STEEL POST	SILVER	GALVANIZE	SUPER DURABLE BAKED POWDER COAT ENAMEL FINISH, 5 MIL FINAL THICKNESS.	ALTERNATE: 2" SQUARE GALAVANIZE STEEL POST WITH 3/8 DIAMETER HOLES @ 1" O.C.
FRAMED PERFORATED METAL PANEL ASSEMBLY AT BACK WALL AND SIDEWALL	ROUND, ALUMINUM, ALLOY 3003-H14, .1250" THICK (8 GAUGE), 1/4" ROUND ON 5/16" STAGGERED CENTERS, 58% OPEN AREA	BLUE	SEMI-GLOSS	SUPER DURABLE BAKED POWDER COAT ENAMEL FINISH, 5 MIL FINAL THICKNESS.	-
TRANSIT POST SOLAR PANEL AND LIGHTING	PER MANUFACTURER	PER MANUFACTURER	PER MANUFACTURER	-	https://www.urbansolarcorp.com/transit-pole-lighting
ALUMINUM EXTRUSION SIGNAGE	ALUMINUM,, .1250" THICK (8 GAUGE), THREE SIDED	SILVER	SEMI-GLOSS	SUPER DURABLE BAKED POWDER COAT ENAMEL FINISH, 5 MIL FINAL THICKNESS.	WITH TEXT GRAPHICS
REAL TIME INFORMATION DISPLAY & QR CODE LABEL	PER MANUFACTURER	RED	PER MANUFACTURER	-	E-INK DISPLAY ; QR CODE ON METAL PLATE MOUNTED TO POST

REV.	DATE	BY	SUB	APP.	DESCRIPTION	REV.	DATE	BY	SUB	APP.
	12/17/2025				FINAL SUBMITTAL					

DESIGNED: R. BUTIONG
DRAWN: E. PETRIE
CHECKED: R. BUTIONG
APPROVED: R. CHIANG
DATE: 11/11/25

Fehr & Peers
Fehr and Peers
345 California Street
Suite 450
San Francisco, CA 94104
Main: 415-348-0300
Fax: 415-773-1790

Robin Chiang & Company
381 Tehama Street
San Francisco, CA 94103

STATE OF CALIFORNIA C10152 exp. 9-30-27 ROBIN CHIANG REGISTERED ARCHITECT
STAMP

SAN MATEO COUNTY TRANSIT DISTRICT
BUS STOP IMPROVEMENT PLAN

ARCHITECTURAL
BUS SHELTER KIT OF PARTS
PROJECT DATA, LEGENDS AND SCHEDULES

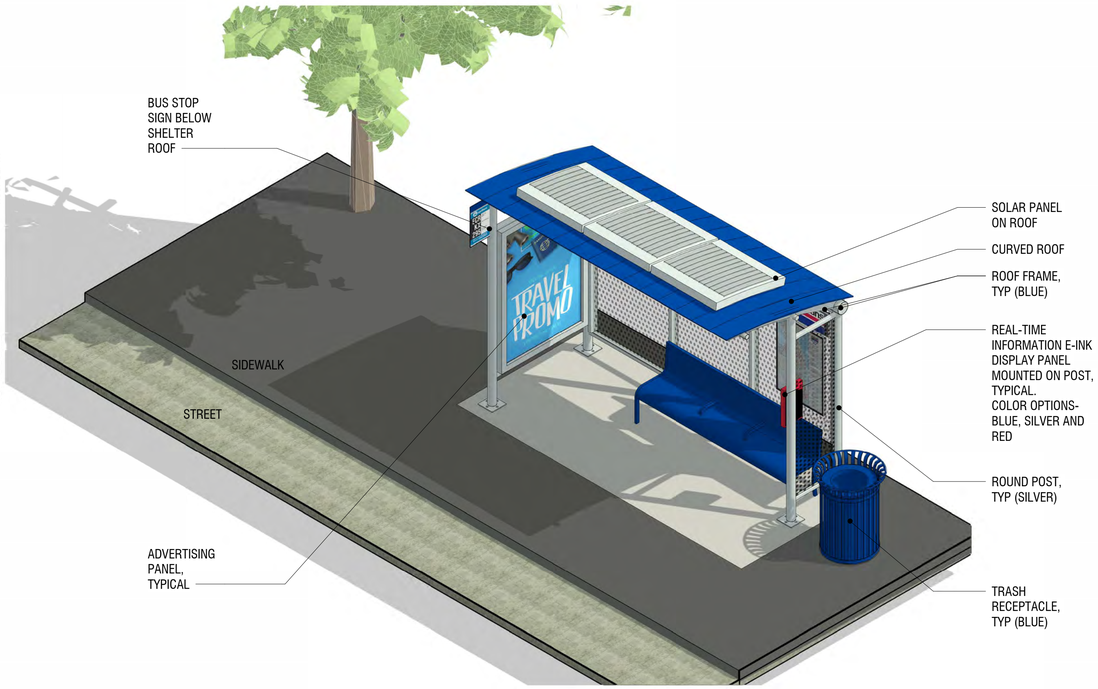
SIZE: D
SCALE: AS NOTED
SHEET NUMBER: A00
PAGE NO.

C:\Users\RButiong\Documents\24105 - Sam Tram Bus Stop - New Design_rbutiong@designbythebay.com.rvt
1/12/2026 11:15:32 AM

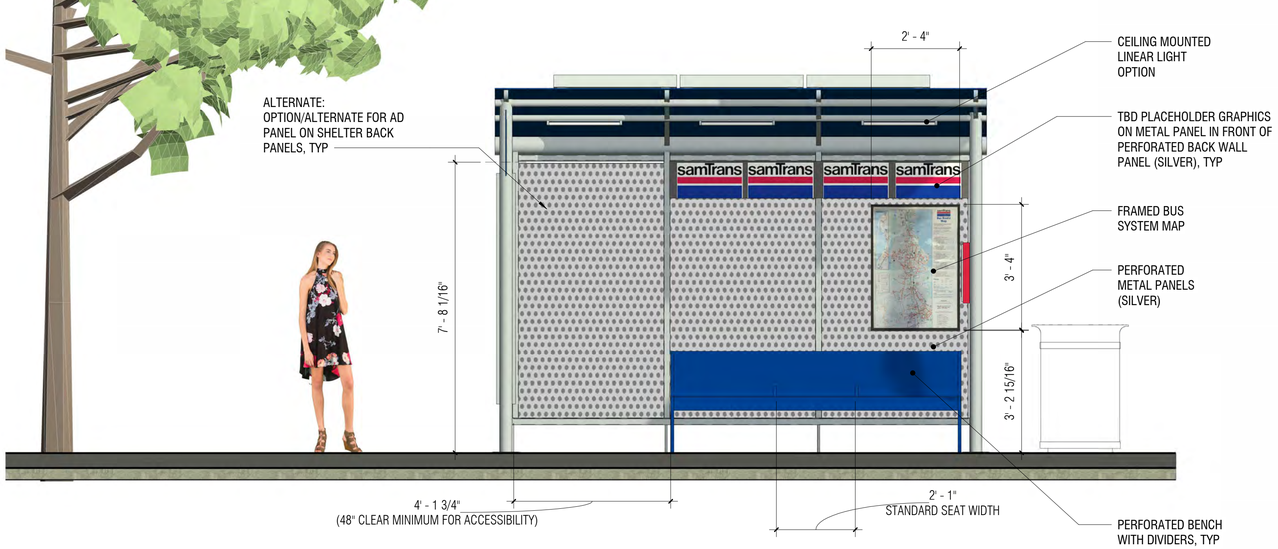
1. STANDARD FOUR POST BUS SHELTER CURVED ROOF

NOTE: FOR DETAIL INFORMATION REFER TO SHEET A06 FOR STANDARD LENGTH THREE PANEL AND A07 FOR EXTENDED LENGTH FOUR PANEL TYPES.

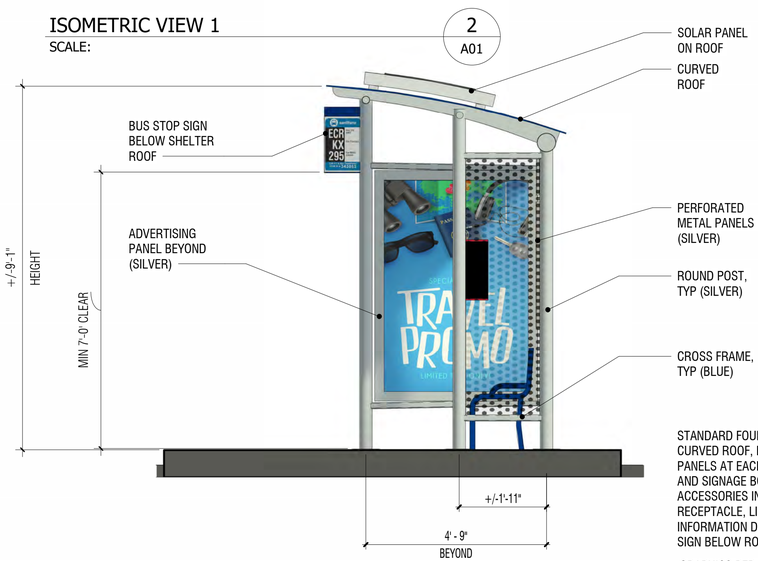
ROOF PLAN 1 — 1 / A01
SCALE: 1/2" = 1'-0"



ISOMETRIC VIEW 1 — 2 / A01
SCALE:



FRONT ELEVATION 1 — 3 / A01
SCALE: 1/2" = 1'-0"



RIGHT SIDE ELEVATION 1 — 4 / A01
SCALE: 1/2" = 1'-0"

STANDARD FOUR POST BUS SHELTER WITH CURVED ROOF, BACK WALL PANELS, SIDE PANELS AT EACH END FOR ADVERTISING AND SIGNAGE BOLTED TO THE SIDEWALK. ACCESSORIES INCLUDE SEATING, TRASH RECEPTACLE, LIGHTING, REAL TIME INFORMATION DISPLAYS AND BUS STOP SIGN BELOW ROOF FRAME.

GRAPHICS PER SAMTRANS DIRECTION. LOGO DESIGN IS PLACEHOLDER. CREATIVE SERVICES/COMMS TO PROPOSE MORE APPOPRIATE DESIGN/SIGN COPY, TYP.

REV.	DATE	BY	SUB	APP.	DESCRIPTION
	12/17/2025				FINAL SUBMITTAL

DESIGNED: R. BUTIONG
DRAWN: E. PETRIE
CHECKED: R. BUTIONG
APPROVED: R. CHIANG
DATE: 11/11/25

Fehr & Peers
Fehr and Peers
345 California Street
Suite 450
San Francisco, CA 94104
Main: 415-348-0300
Fax: 415-773-1790

Robin Chiang & Company
381 Tehama Street
San Francisco, CA 94103

STAMP: STATE OF CALIFORNIA C49162 exp. 9-30-27 ROBIN CHIANG REGISTERED ARCHITECT

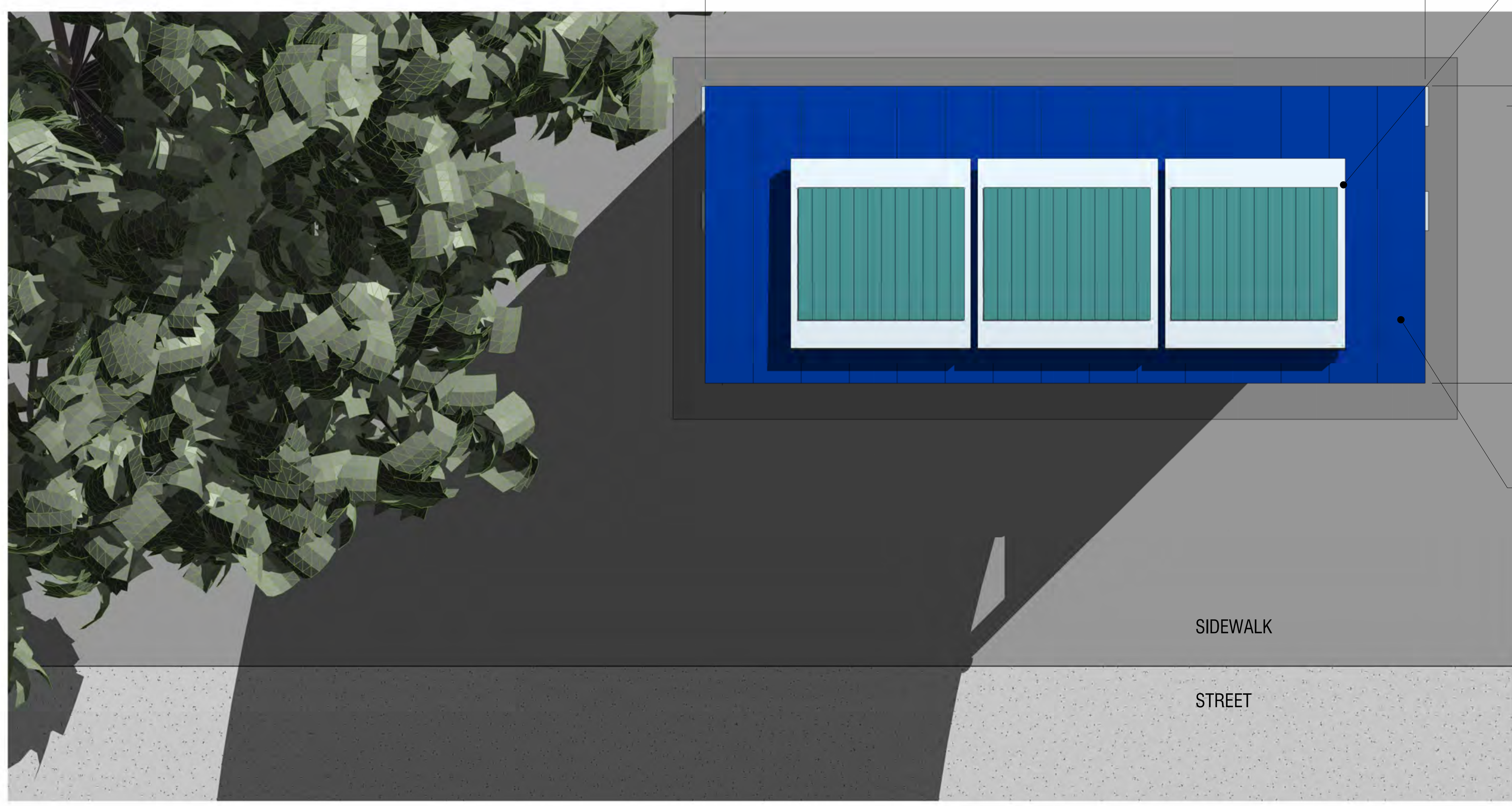
SAN MATEO COUNTY TRANSIT DISTRICT
BUS STOP IMPROVEMENT PLAN

ARCHITECTURAL
BUS SHELTER KIT OF PARTS
4 POST SYSTEM - CURVED ROOF

SIZE: D | SCALE: AS NOTED
SHEET NUMBER: **A01**
PAGE NO.

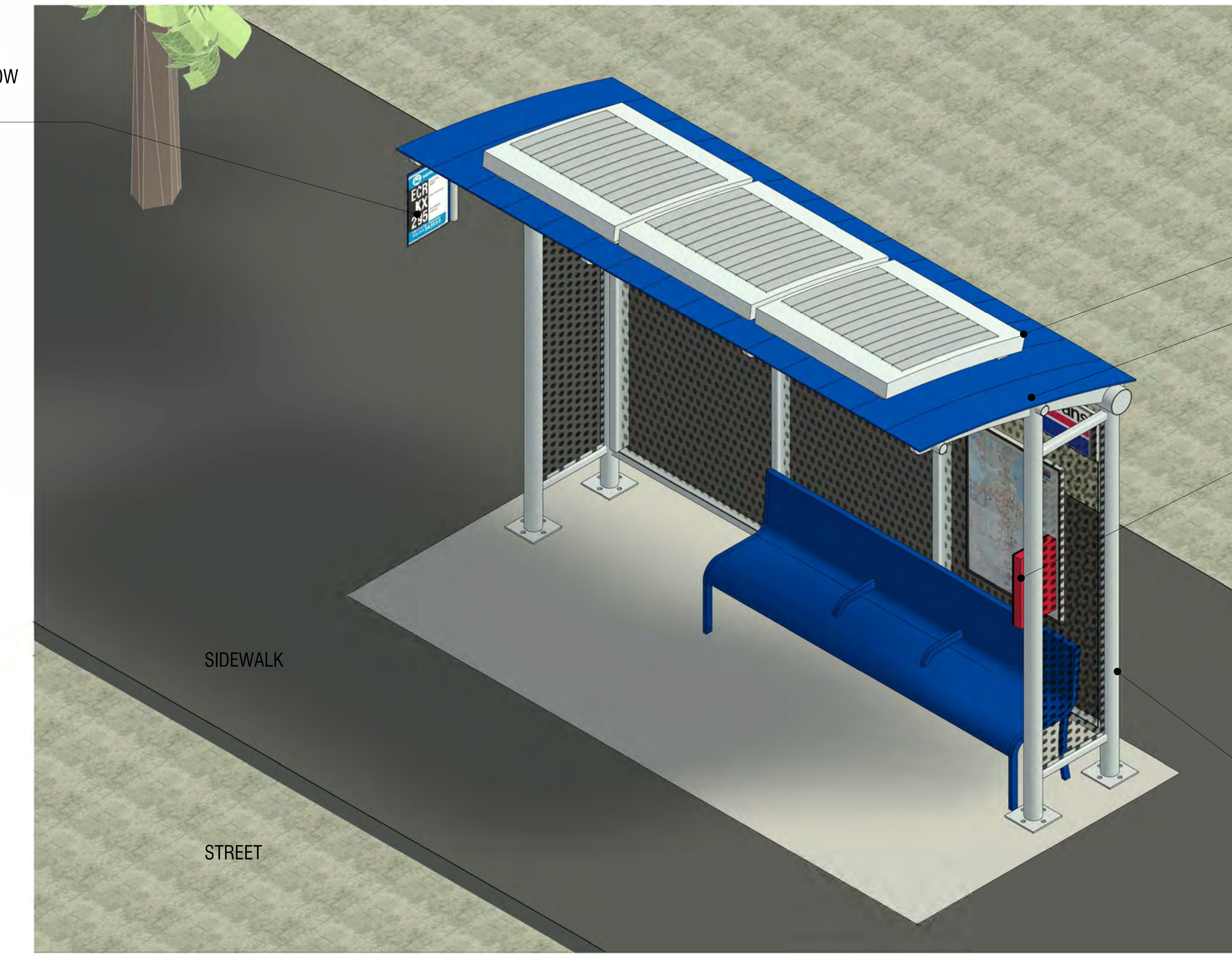
2. STANDARD FOUR POST BUS NARROW SHELTER CURVED ROOF

NOTE: FOR DETAIL INFORMATION REFER TO SHEET A08 FOR STANDARD LENGTH THREE PANEL AND A09 FOR EXTENDED LENGTH FOUR PANEL TYPES.



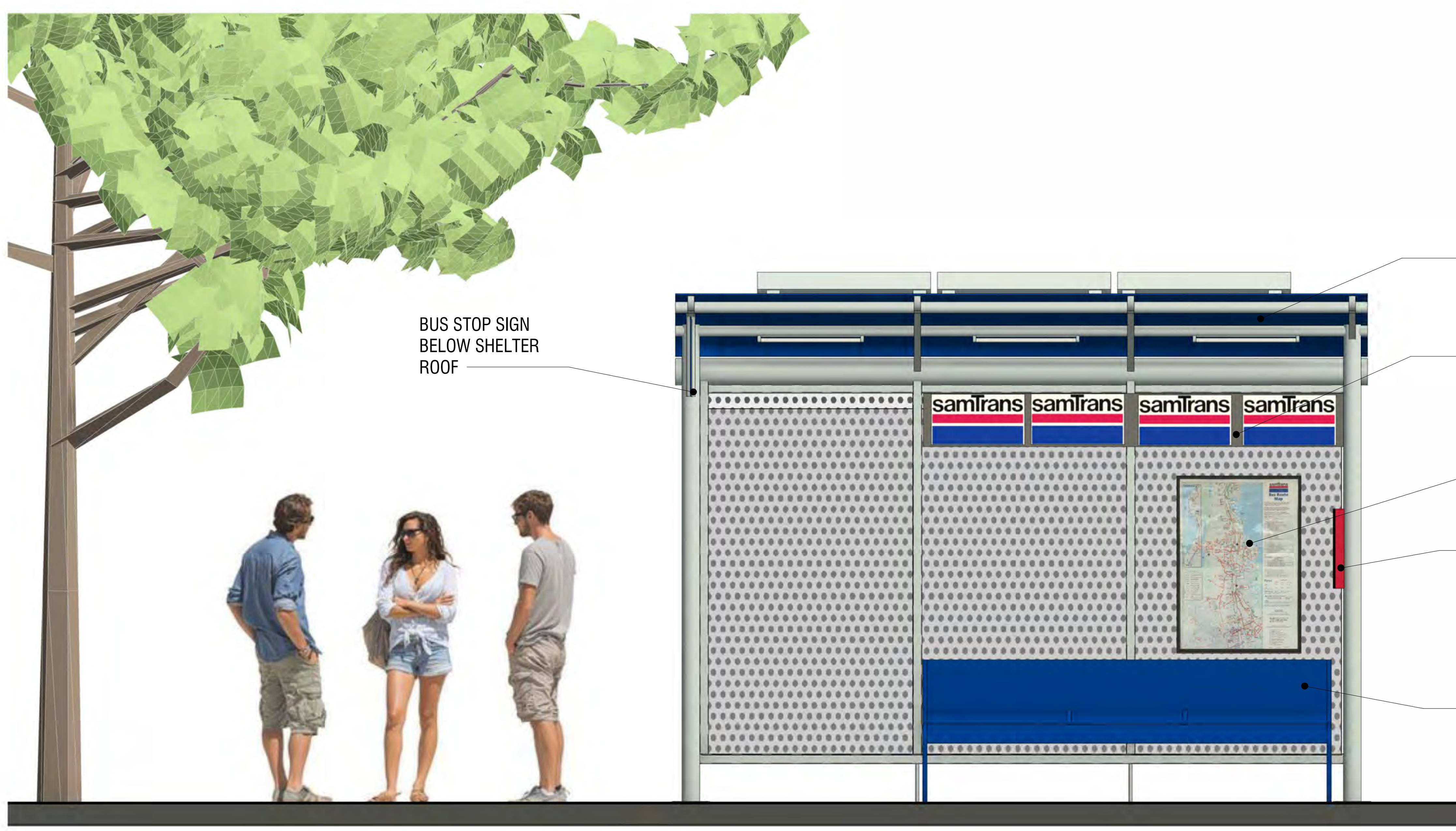
ROOF PLAN 2 (1 / A02)

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



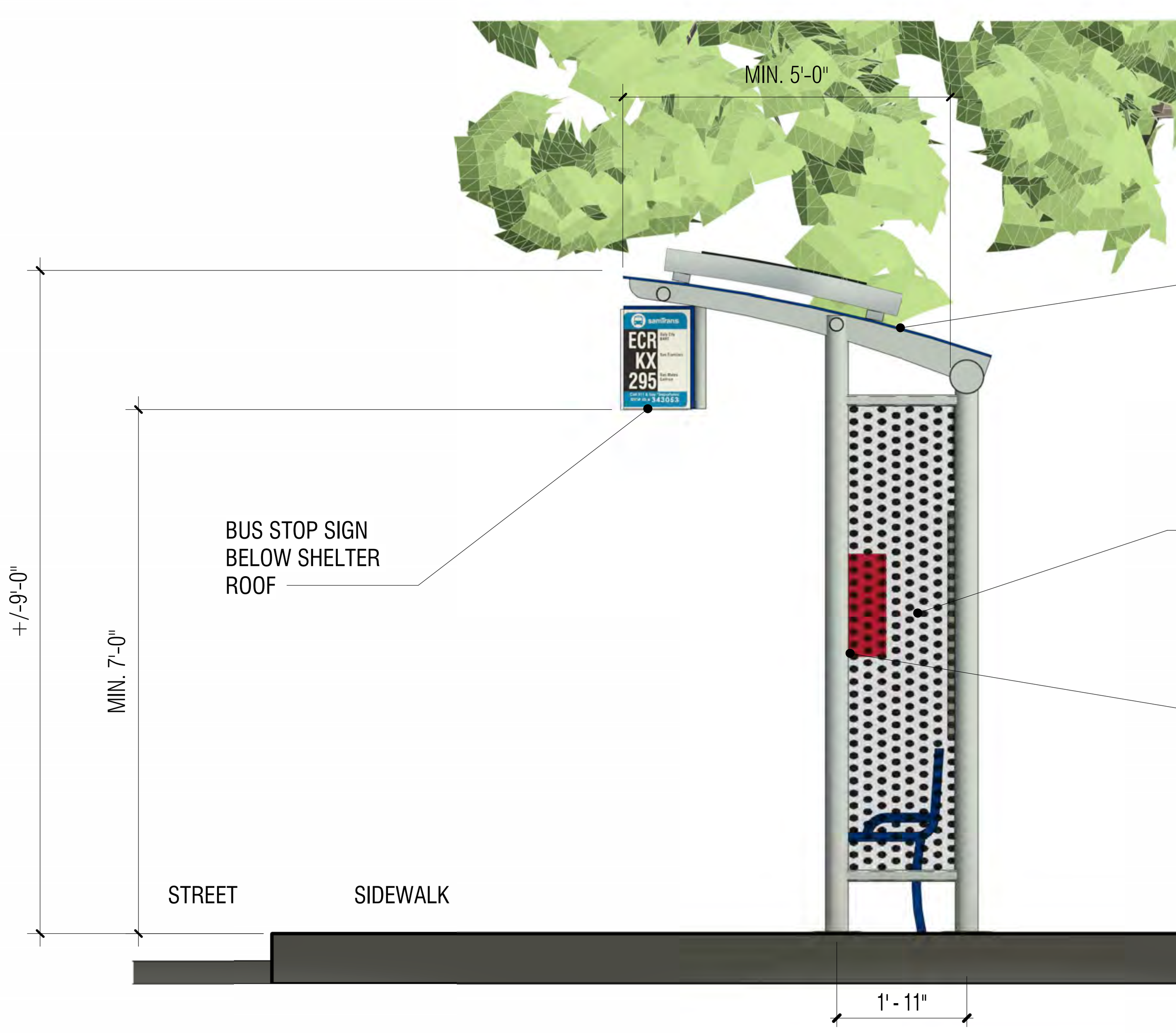
ISOMETRIC VIEW 2 (4 / A02)

SCALE:



FRONT ELEVATION 2 (2 / A02)

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



RIGHT SIDE ELEVATION 2A (3 / A02)

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

REV.	DATE	BY	SUB	APP.	DESCRIPTION
	12/17/2025				FINAL SUBMITTAL

REV.	DATE	BY	SUB	APP.

DESIGNED: R. BUTIONG
DRAWN: E. PETRIE
CHECKED: R. BUTIONG
APPROVED: R. CHIANG
DATE: 11/11/25

Fehr & Peers
Fehr and Peers
345 California Street
Suite 450
San Francisco, CA 94104
Main: 415-348-0300
Fax: 415-773-1790

Robin Chiang & Company
381 Tehama Street
San Francisco, CA 94103

STAMP: STATE OF CALIFORNIA — ROBIN CHIANG — REGISTERED ARCHITECT — exp. 9-30-27

SAN MATEO COUNTY TRANSIT DISTRICT
BUS STOP IMPROVEMENT PLAN

ARCHITECTURAL
BUS SHELTER KIT OF PARTS
4 POST SYSTEM- CURVE ROOF NARROW

SIZE: D — SCALE: AS NOTED

SHEET NUMBER: **A02**

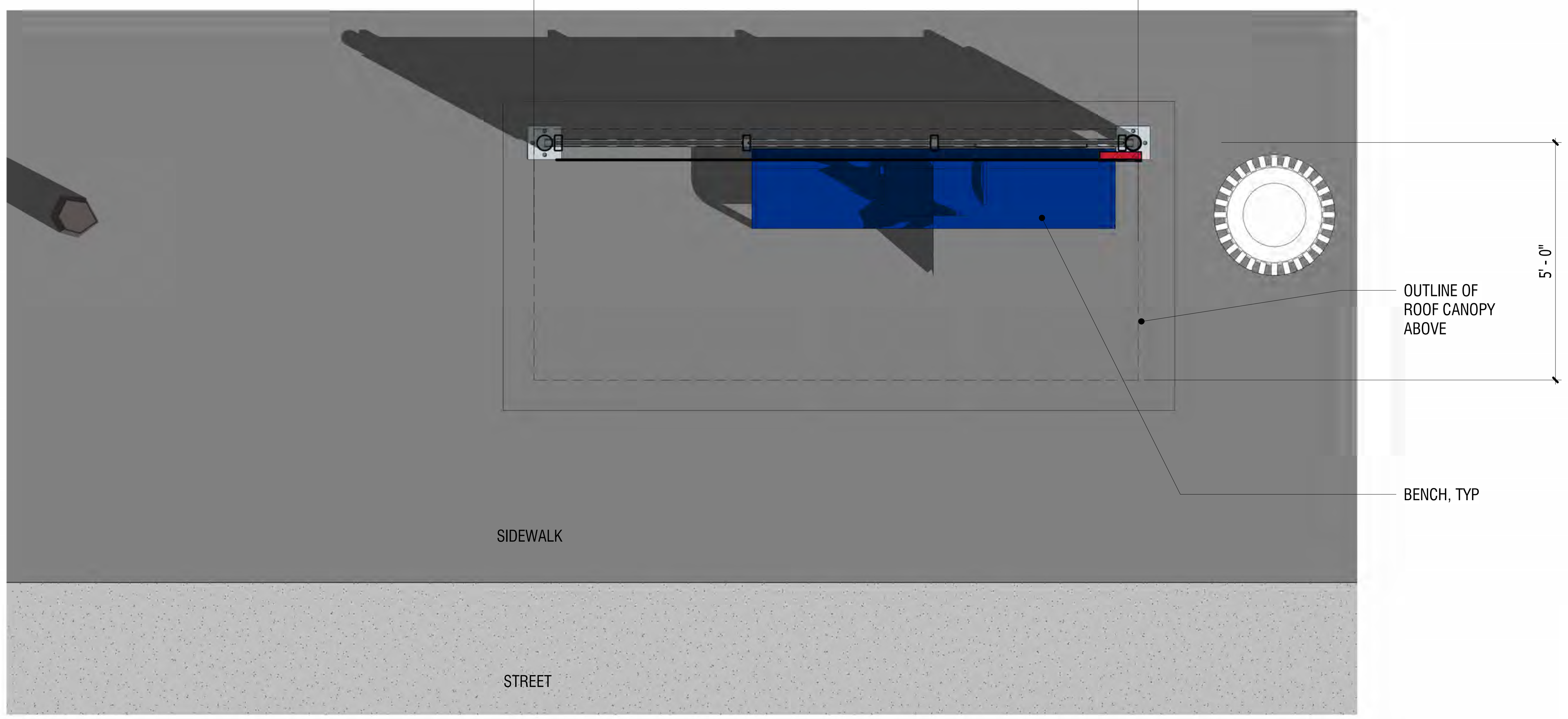
PAGE NO.

C:\Users\RButiong\Documents\24105 - Sam Tram Bus Stop - New Design_rbutiong@designbythebay.com.rvt

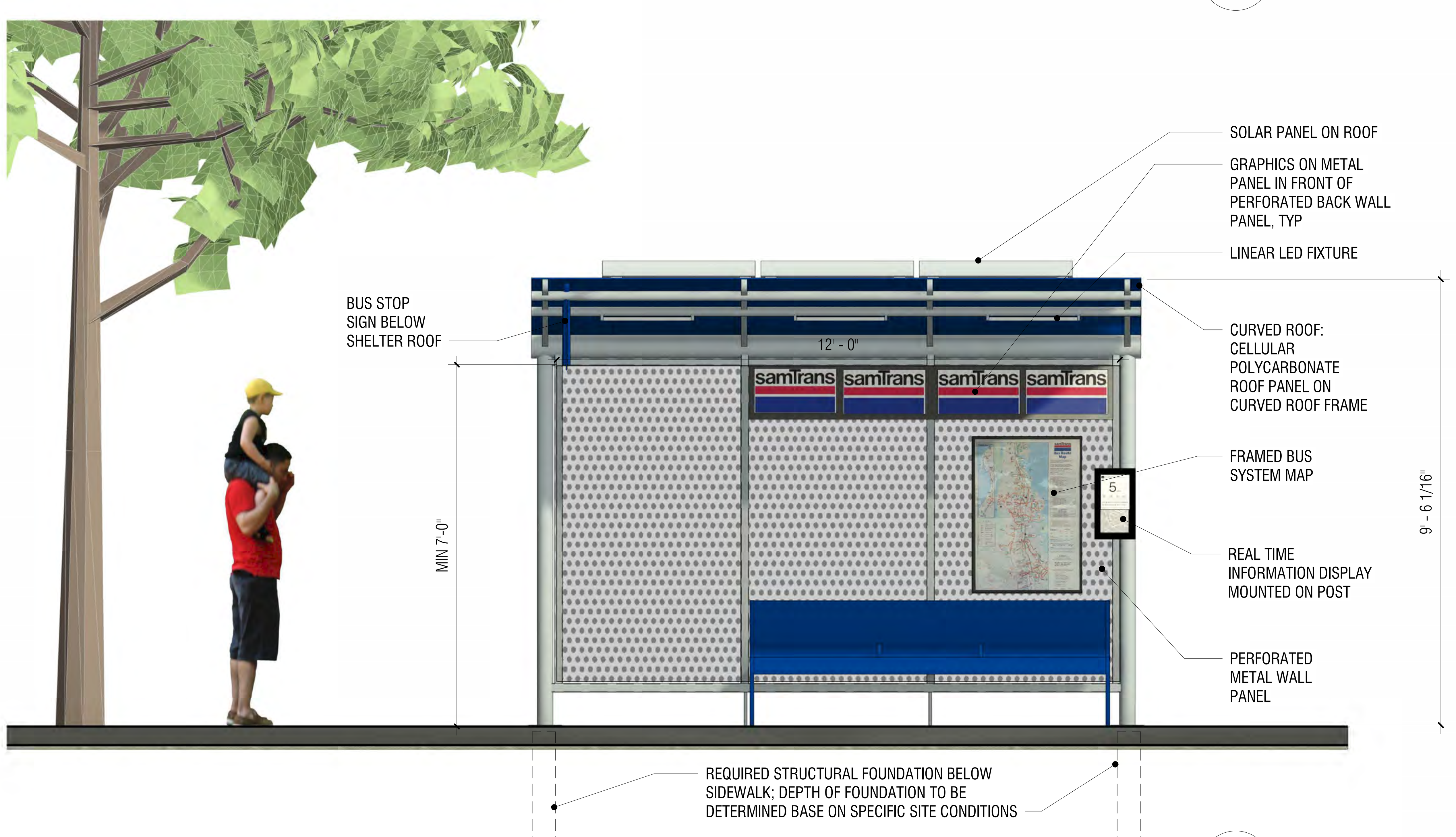
1/12/2026 11:18:48 AM

3. STANDARD TWO POST CANTILEVER BUS SHELTER CURVED ROOF - NO SIDE PANELS

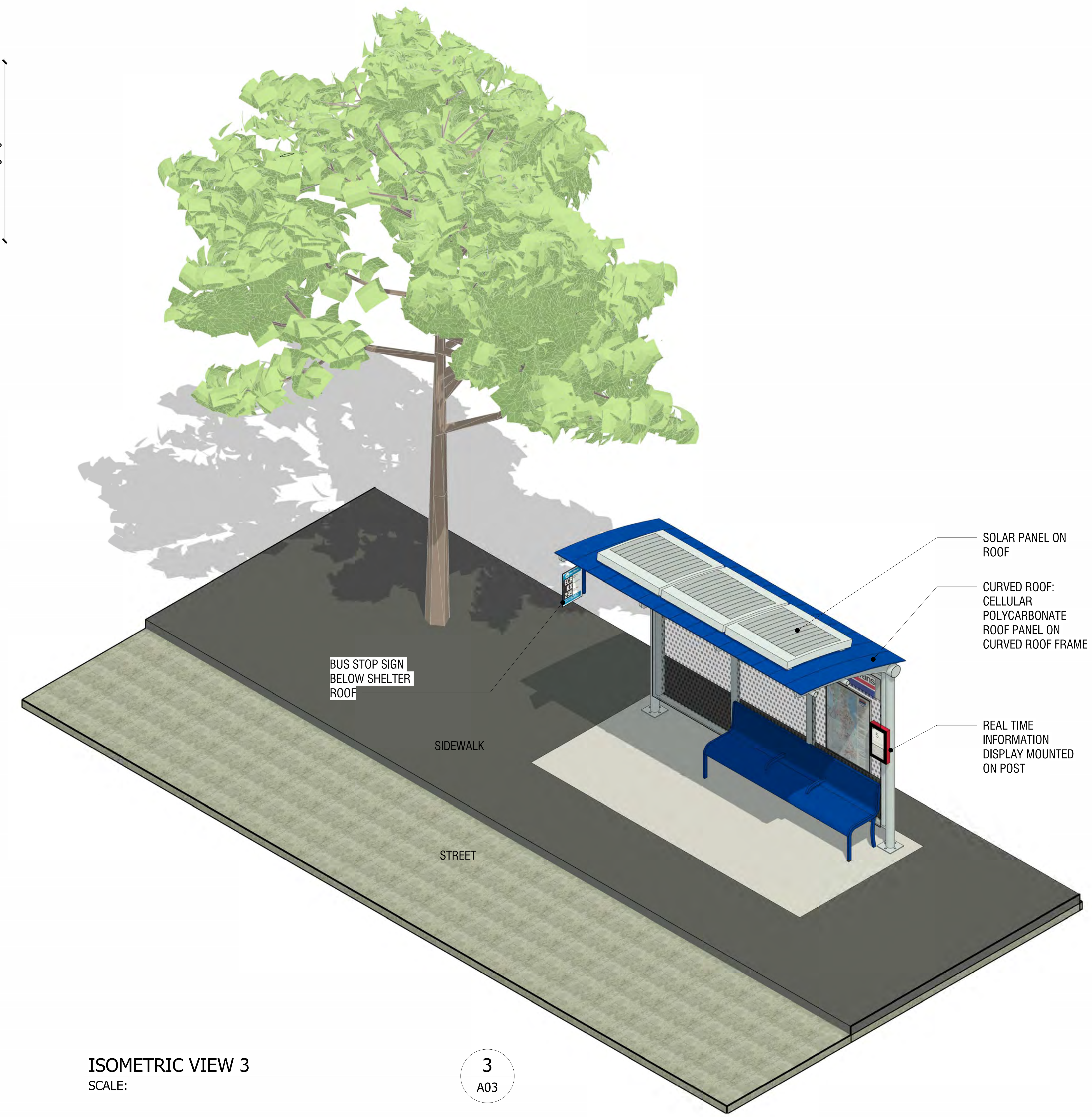
NOTE: FOR DETAIL INFORMATION REFER TO SHEET A10.



PLAN VIEW 3
SCALE: 1/2" = 1'-0"
1
A03



FRONT ELEVATION 3
SCALE: 1/2" = 1'-0"
2
A03



ISOMETRIC VIEW 3
SCALE:
3
A03

STANDARD TWO POST BUS SHELTER WITH CURVED ROOF AND BACK WALL PANELS WITH FOUNDATION BELOW SIDEWALK. ACCESSORIES INCLUDE SEATING, TRASH RECEPTACLE, LIGHTING, REAL TIME INFORMATION DISPLAYS AND BUS STOP SIGN ON ROOF STRUCTURE.

C:\Users\RButiong\Documents\24105 - Sam Tram Bus Stop - New Design_rbutiong@designbythebay.com.rvt

1/12/2026 11:19:35 AM

REV.	DATE	BY	SUB	APP.	DESCRIPTION
	12/17/2025				FINAL SUBMITTAL

REV.	DATE	BY	SUB	APP.

DESIGNED: R. BUTIONG
DRAWN: E. PETRIE
CHECKED: R. BUTIONG
APPROVED: R. CHIANG
DATE: 11/11/25

Fehr & Peers
Fehr and Peers
345 California Street
Suite 450
San Francisco, CA 94104
Main: 415-348-0300
Fax: 415-773-1790

Robin Chiang & Company
381 Tehama Street
San Francisco, CA 94103

STATE OF CALIFORNIA
C-10152 exp. 9-30-27
ROBIN CHIANG
REGISTERED ARCHITECT
STAMP

SAN MATEO COUNTY TRANSIT DISTRICT
BUS STOP IMPROVEMENT PLAN

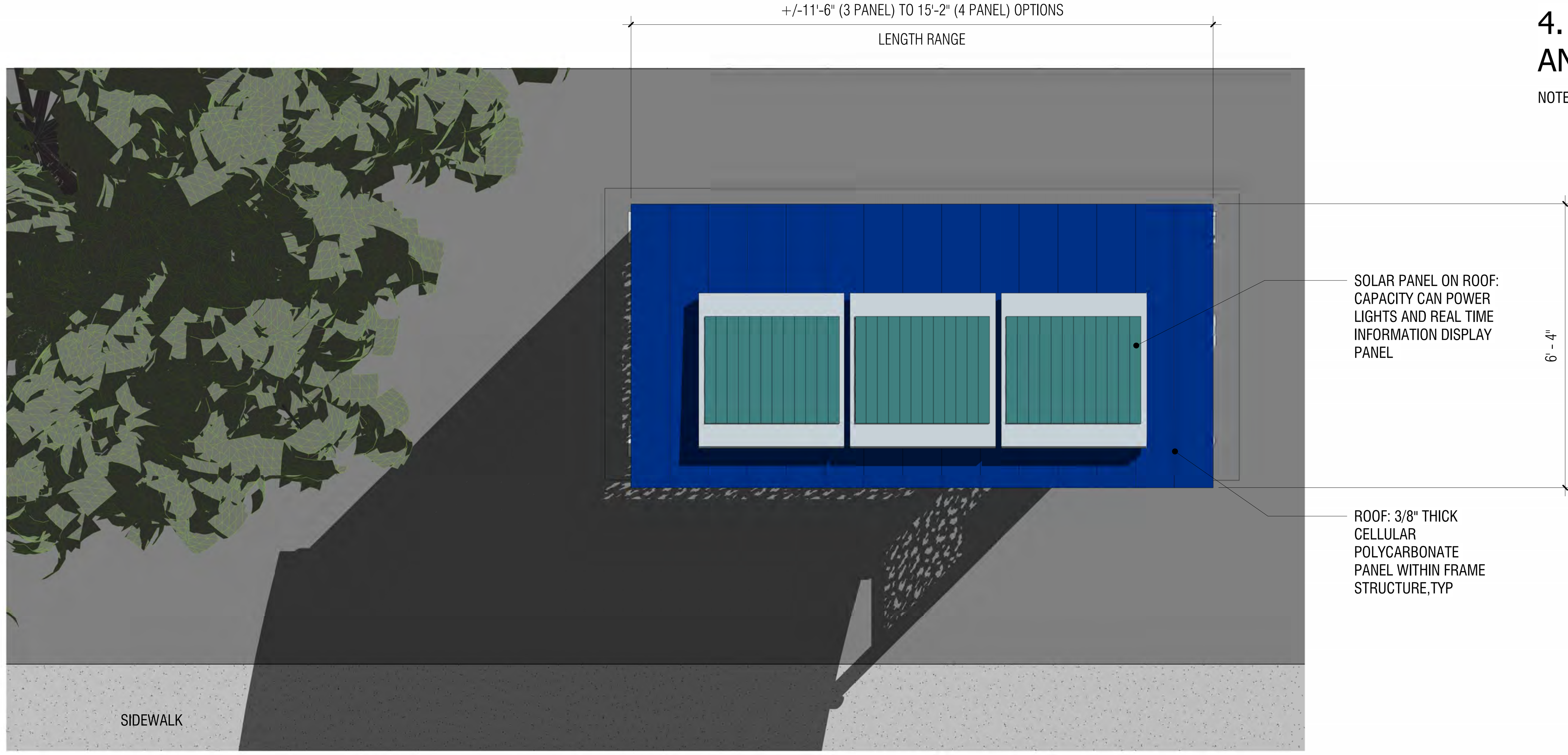
ARCHITECTURAL
BUS SHELTER KIT OF PARTS

2 POST SYSTEM CURVED ROOF NO SIDE PANELS

SIZE: D
SCALE: AS NOTED
SHEET NUMBER: **A03**
PAGE NO.

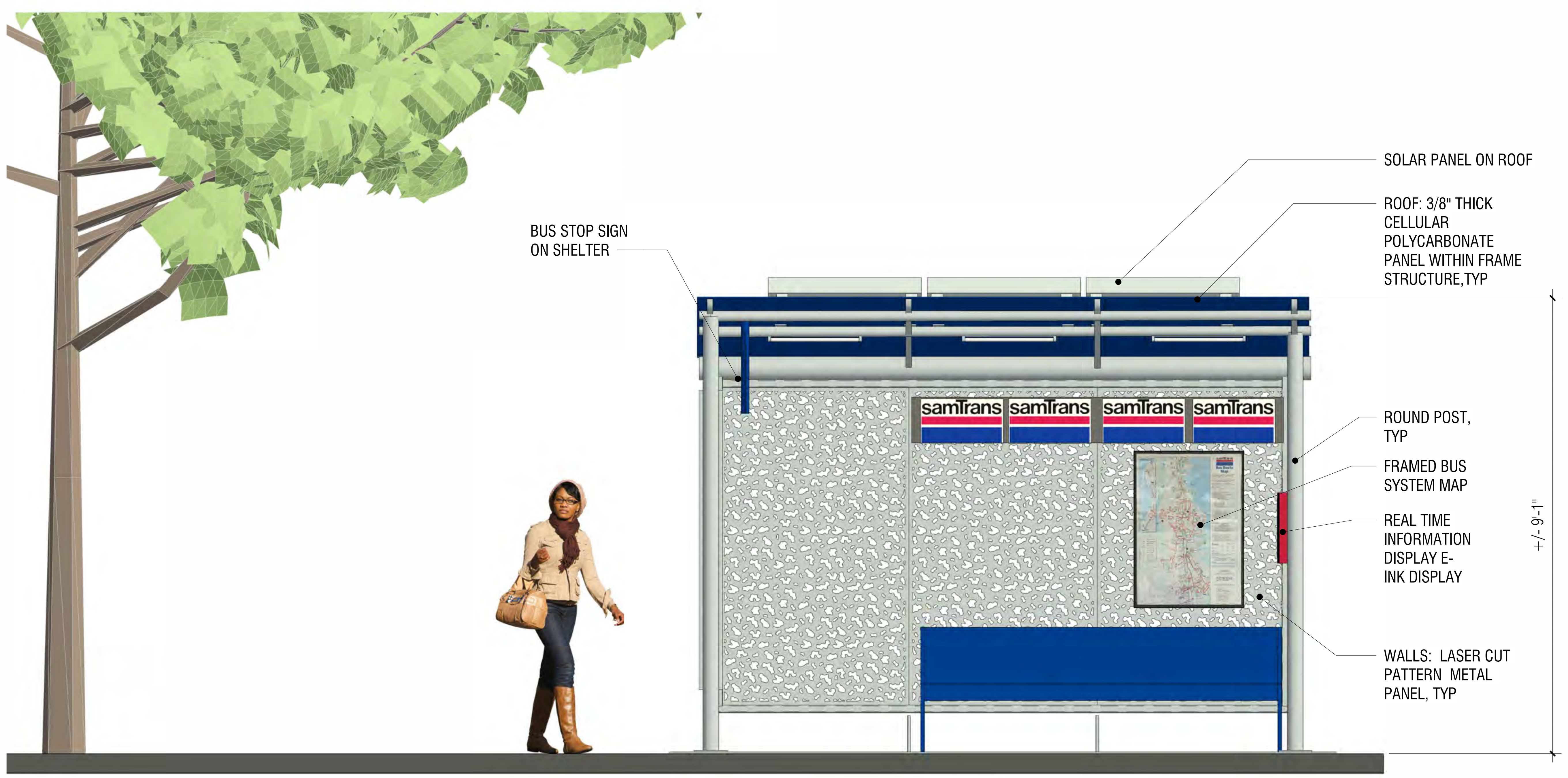
4. FOUR POST SHADE STRUCTURE WITH FOLIAGE PATTERNED LASER CUT WALL PANELS AND POLYCARBONATE WALL PANEL ASSEMBLY (FOR WINDY SITE CONDITIONS)

NOTE: FOR DETAIL INFORMATION REFER TO SHEET A11.



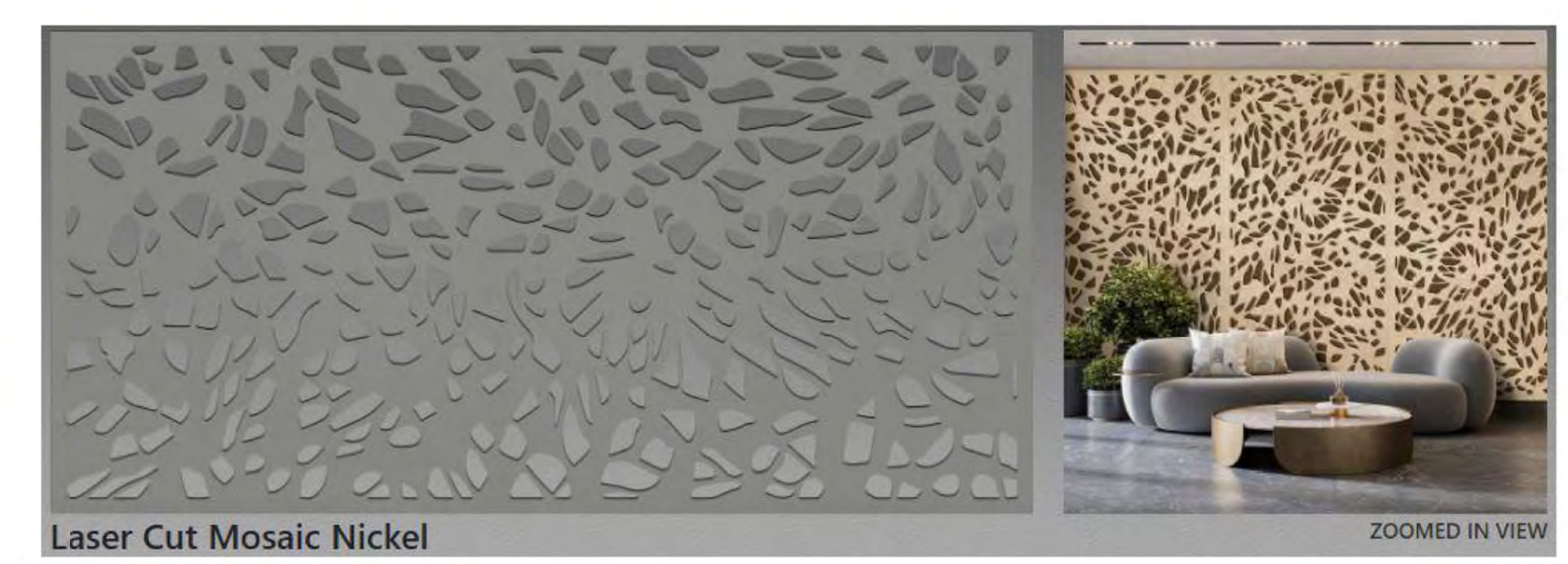
ROOF PLAN 4
SCALE: 1/2" = 1'-0"
1
A04

PERSPECTIVE VIEW OF SHELTER
SCALE:
3
A04

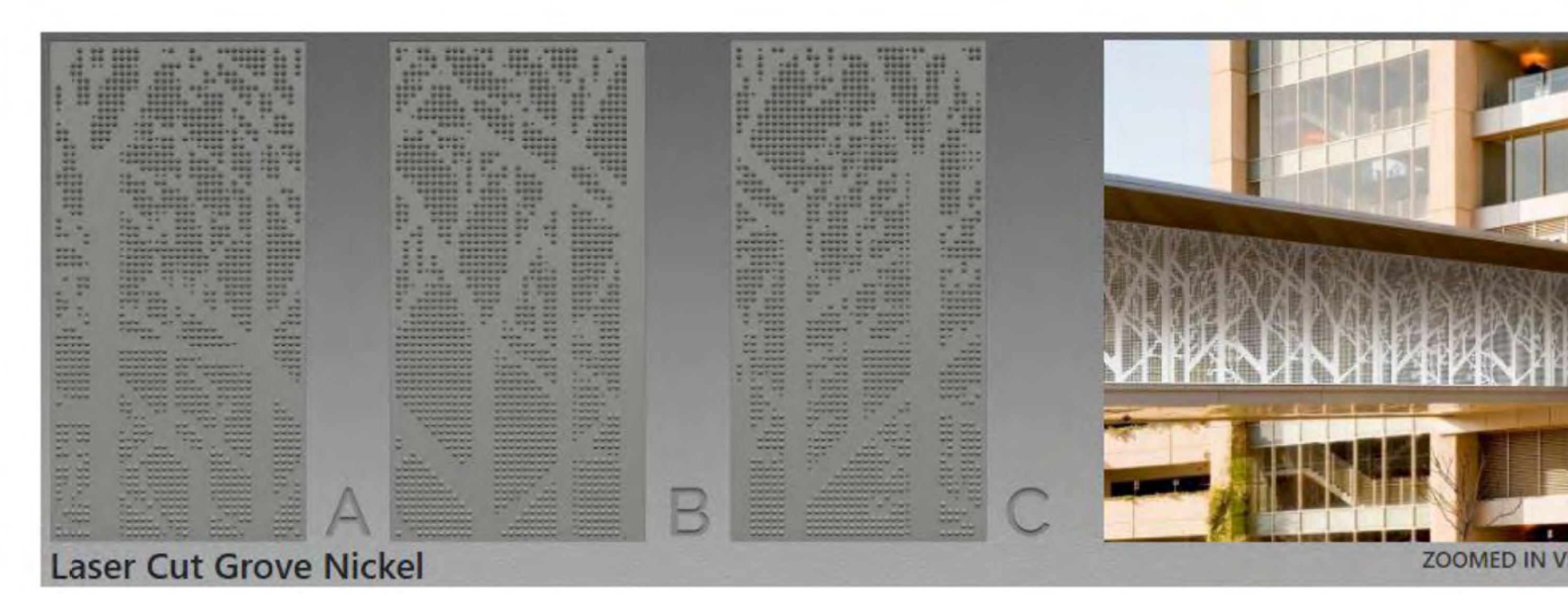


FRONT ELEVATION 4
SCALE: 1/2" = 1'-0"
2
A04

LEAF PATTERN
OPTION 1: LASER CUT ALUMINUM MOSAIC PATTERN BY MOZ DESIGNS
https://mozdesigns.com/metal-collections/mosaic/



FOREST TREES PATTERN
OPTION 2: LASER CUT ALUMINUM GROVE PATTERN BY MOZ DESIGNS
https://mozdesigns.com/metal-collections/grove/



C:\Users\RButiong\Documents\24105 - Sam Tram Bus Stop - New Design_rbutiong@designbythebay.com.rvt

1/12/2026 11:24:04 AM

REV.	DATE	BY	SUB	APP.	DESCRIPTION
	12/17/2025				FINAL SUBMITTAL

REV.	DATE	BY	SUB	APP.

DESIGNED: R. BUTIONG
DRAWN: E. PETRIE
CHECKED: R. BUTIONG
APPROVED: R. CHIANG
DATE: 11/11/25

Fehr & Peers
Fehr and Peers
345 California Street
Suite 450
San Francisco, CA 94104
Main: 415-348-0300
Fax: 415-773-1790

Robin Chiang & Company
381 Tehama Street
San Francisco, CA 94103

STATE OF CALIFORNIA
C-10152 exp. 9-30-27
ROBIN CHIANG
REGISTERED ARCHITECT
STAMP

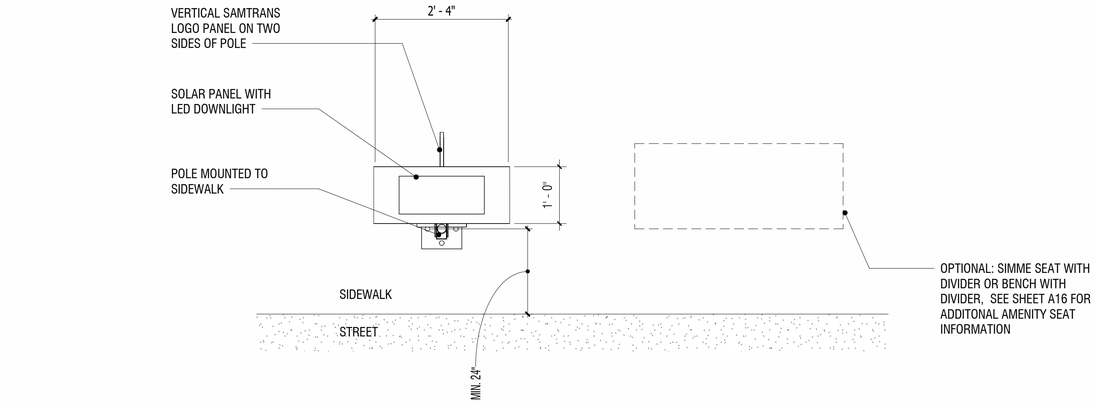
SAN MATEO COUNTY TRANSIT DISTRICT
BUS STOP IMPROVEMENT PLAN

ARCHITECTURAL
BUS SHELTER KIT OF PARTS
FOLIAGE PATTERN WALLS

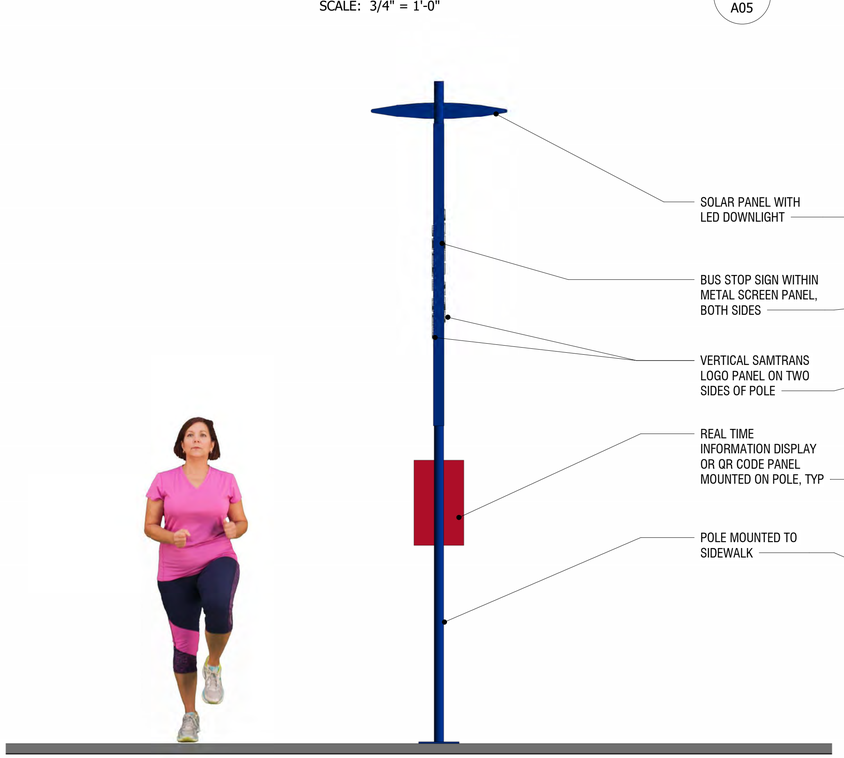
SIZE: D
SCALE: AS NOTED
SHEET NUMBER: A04
PAGE NO.

5. MONO-POST BUS STOP POLE

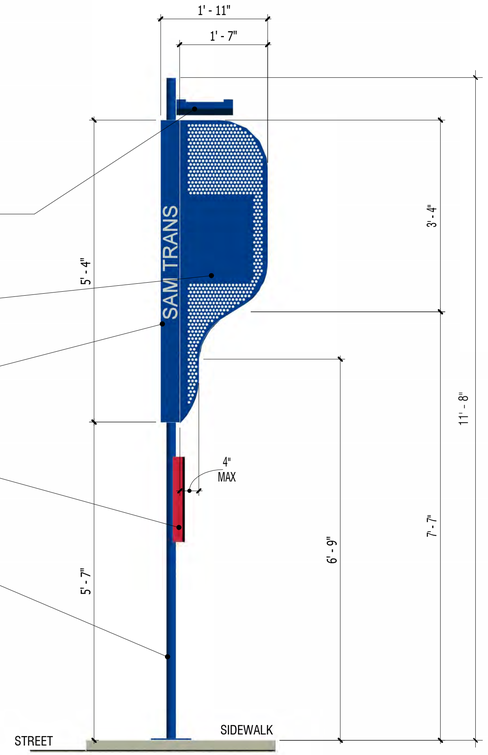
NOTE: FOR DETAIL INFORMATION REFER TO SHEET A12.



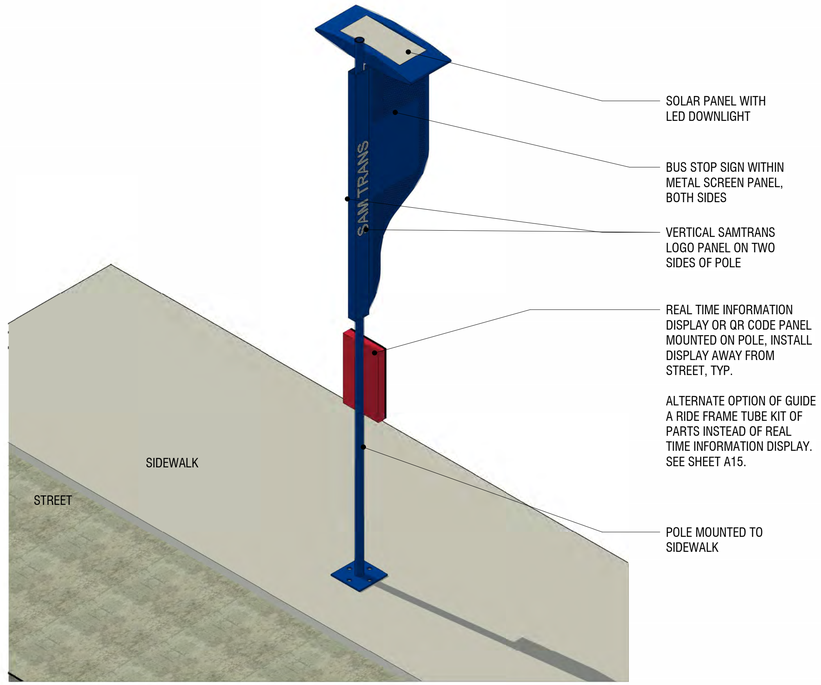
PLAN VIEW
SCALE: 3/4" = 1'-0"
1 A05



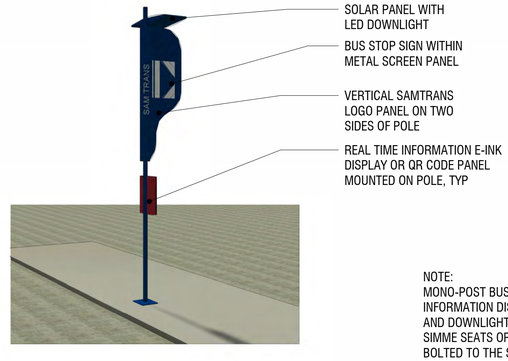
ELEVATION ALONG THE STREET
SCALE: 3/4" = 1'-0"
2 A05



RIGHT SIDE ELEVATION 2
SCALE: 3/4" = 1'-0"
3 A05



ISOMETRIC VIEW
SCALE:
5 A05



PERSPECTIVE VIEW
SCALE:
4 A05

NOTE:
MONO-POST BUS SHELTER WITH ROUTE SIGN, REAL TIME INFORMATION DISPLAY, VERTICAL SCREEN, SOLAR PANEL AND DOWNLIGHT WITH ADJACENT OPTIONAL SEATING-SIMME SEATS OR BENCH. BOTH ELEMENTS SHALL BE BOLTED TO THE SIDEWALK.

ALTERNATE OPTION OF GUIDE A RIDE FRAME TUBE KIT OF PARTS INSTEAD OF REAL TIME INFORMATION DISPLAY. SEE SHEET A15.

REV.	DATE	BY	SUB	APP.	DESCRIPTION
	12/17/2025				FINAL SUBMITTAL

DESIGNED: R. BUTIONG
DRAWN: E. PETRIE
CHECKED: R. BUTIONG
APPROVED: R. CHIANG
DATE: 11/11/25

Fehr & Peers
Fehr and Peers
345 California Street
Suite 450
San Francisco, CA 94104
Main: 415-348-0300
Fax: 415-773-1790

Robin Chiang & Company
381 Tehama Street
San Francisco, CA 94103

STATE OF CALIFORNIA — C-20 152 — exp. 8-30-27 — ROBIN CHIANG — REGISTERED ARCHITECT
STAMP

SAN MATEO COUNTY TRANSIT DISTRICT
BUS STOP IMPROVEMENT PLAN

ARCHITECTURAL
BUS SHELTER KIT OF PARTS

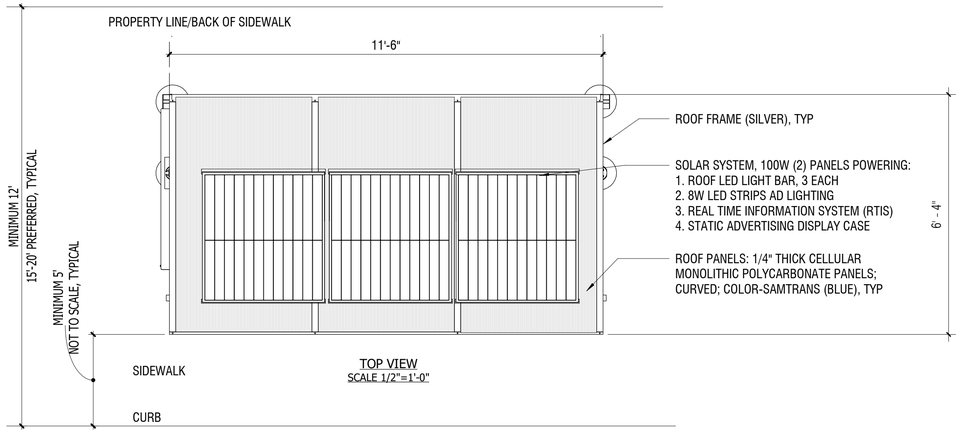
MONO POST BUS STOP POLE

SIZE: D | SCALE: AS NOTED
SHEET NUMBER: **A05**
PAGE NO.

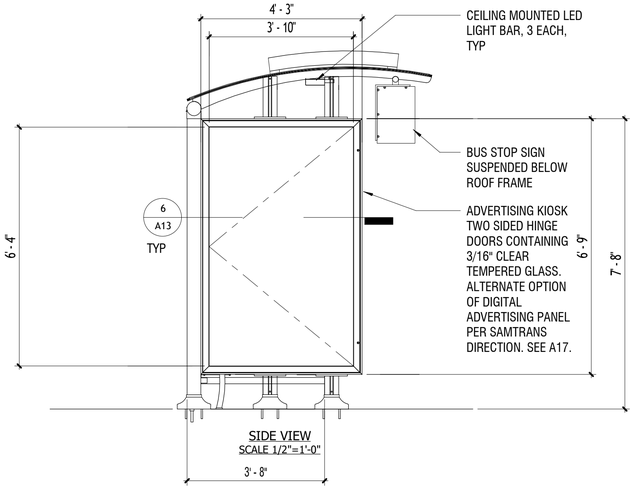
1. STANDARD FOUR POST BUS SHELTER CURVED ROOF-THREE WALL PANEL

GENERAL NOTES:

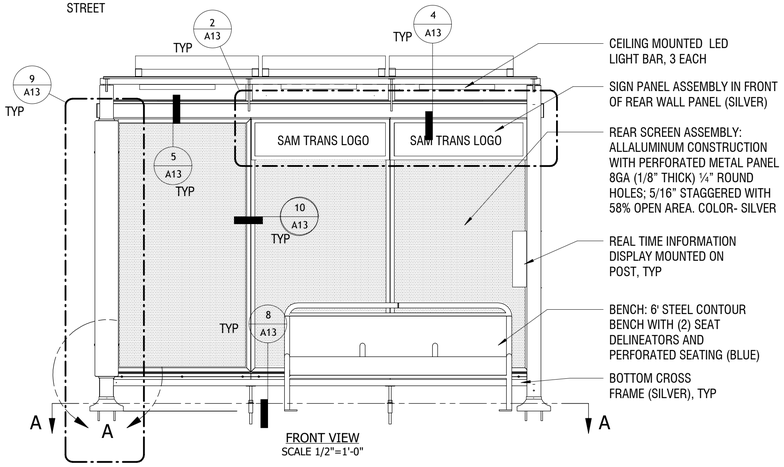
1. ALL STRUCTURAL STEEL, UNLESS OTHERWISE NOTED, SHALL BE ASTM A-36, MINIMUM YIELD STRENGTH 36,000 PSI.
2. ALL STRUCTURAL ALUMINUM MEMBERS, UNLESS OTHERWISE NOTED, SHALL BE OF ALLOY 6063-T5 OR GREATER.
3. ALL HOLES TO BE DRILLED OR PUNCHED.
4. STEEL WELDING SHALL CONFORM TO AMERICAN WELDING SOCIETY STANDARD D1. 1-10. ELECTRODES SHALL CONFORM TO AWS 5.1, CLASS E70S-5.
5. ALUMINUM WELDING SHALL CONFORM TO AMERICAN WELDING SOCIETY STANDARD D1. 2-08. ELECTRODES SHALL CONFORM TO AWS/SFA 5.10 CLASS ER4043.
6. ALL WELDING TO BE DONE AT MANUFACTURERS FACILITY.
7. ALL CORPORATE PROCEDURES, INCLUDING FABRICATION, MUST BE IN COMPLIANCE WITH MANUFACTURER'S QUALITY CONTROL MANUAL
8. THE CONCRETE PAD SIZES SHOWN ARE STANDARD MINIMUM REQUIREMENTS FOR THE STRUCTURE AND ARE FOR REFERENCE ONLY. THE PAD MAY NEED TO BE REINFORCED OR ENLARGED DEPENDING ON LOCAL CODES AND LOADING CONDITIONS AND DOES NOT INCLUDE ADA CLEAR PATH REQUIREMENTS.
9. SINGLE PANEL UPGRADE WALL PANEL (LASER CUT FOLIAGE PATTERN) DETAIL SIMILAR TO PERFORATED WALL PANEL DETAILS ON SHEET A013.
10. FOR WINDY CONDITIONS: SEE DETAILS ON SHEET A014 FOR DUAL WALL PANEL WITH LEXAN POLYCARBONATE PANEL IN BETWEEN ASSEMBLY.
11. FOR COLOR AND MATERIAL INFORMATION: REFER TO SHEET A0.
12. BATTERIES TO HAVE NEMA TYPE OF WEATHER PROTECTIVE ENCLOSURE.
13. PAINT SHELTERS: SUPER DURABLE BAKED POWDER COAT ENAMEL FINISH, 5 MIL FINAL THICKNESS. ALTERNATE: SHELTERS AT COASTAL AREAS- 70% FLUROPON 70% PVDF EXTERIOR COATING.
14. GRAPHICS PER SAMTRANS DIRECTION. LOGO DESIGN IS PLACEHOLDER. CREATIVE SERVICES/COMMS TO PROPOSE MORE APPOPRIATE DESIGN/SIGN COPY.
15. ALTERNATE: OPTION/ALTERNATE FOR AD PANEL ON SHELTER BACK PANELS, TYPICAL.
16. REFER TO SHEET A15 FOR AMENITY ACCESSORIES (BENCH, TRASH RECEPTACLE, REAL TIME INFORMATION PANEL, PERCH SEATING AND SIMME SEAT.
17. REFER TO SHEET A16 FOR AMENITY ACCESSORIES ALTERNATE SINGLE PANEL RCH INFORMATION HOLDER INSTEAD OF REAL TIME INFORMATION PANEL AT BUS SHELTER.
18. QR CODE 3"X3" LABEL ON METAL PLATE FRAME MOUNTED ON SHELTER POST; MAXIMUM 48" ABOVE FINISH SLAB, TYPICAL.
19. BUS STOP SIGN BELOW SHELTER ROOF: LARGER SIGNS WILL BE INSTALLED OUTSIDE ADJACENT TO SHELTER AS DETERMINED BY SAMTRANS.
20. ALTERNATE OPTION: DIGITAL DISPLAY PANELS IN PLACE OF STATIC ADVERTISING PANEL ON THE LEFT SIDE OF SHELTER. TBD BY SAMTRANS
21. BUS SHELTER AND MONO-POST BASE: PROVIDE ACCOMMODATIONS FOR SLOPE SITES WITH MODIFIED BASE AS NEEDED.



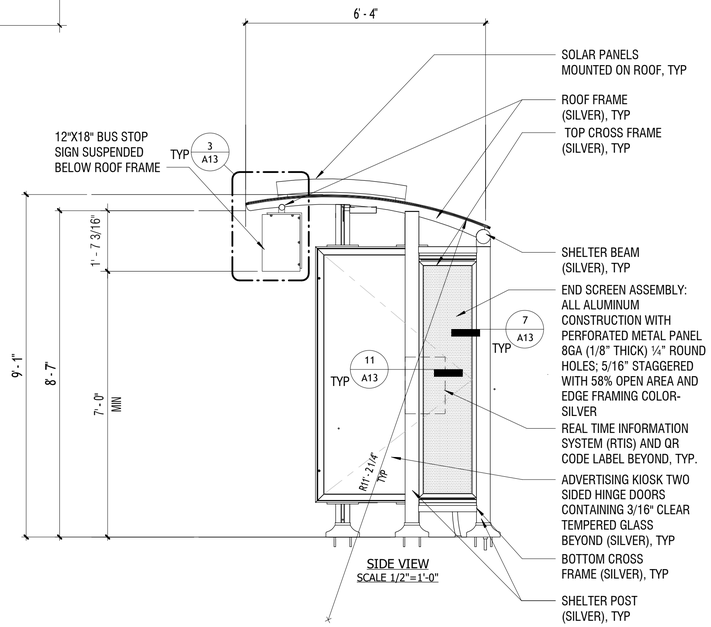
TOP VIEW
SCALE 1/2"=1'-0"



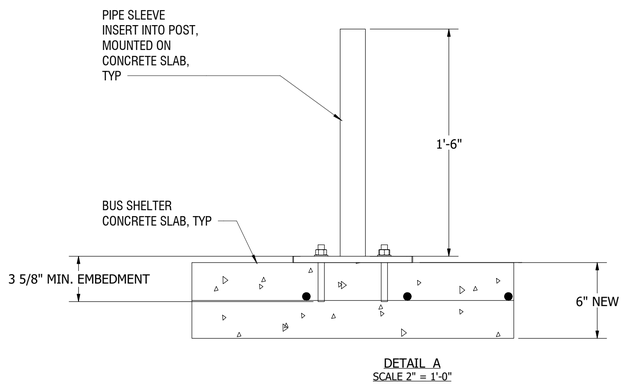
SIDE VIEW
SCALE 1/2"=1'-0"



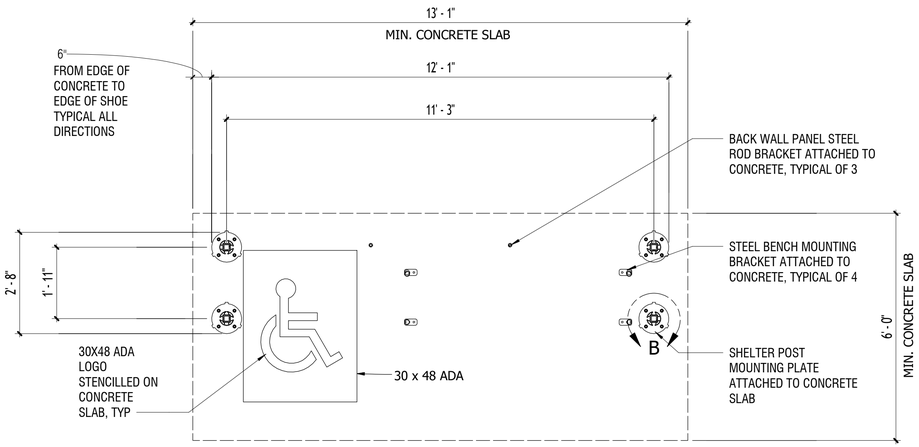
FRONT VIEW
SCALE 1/2"=1'-0"



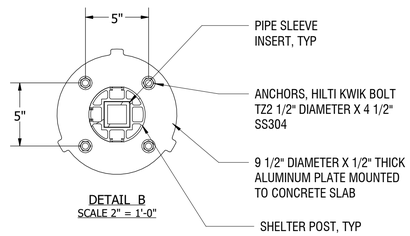
SIDE VIEW
SCALE 1/2"=1'-0"



DETAIL A
SCALE 2" = 1'-0"



SECTION A-A
SCALE 1/2"=1'-0"



DETAIL B
SCALE 2" = 1'-0"

54831-00

REV.	DATE	BY	SUB	APP.	DESCRIPTION
	12/17/2025				FINAL SUBMITTAL

DESIGNED: R. BUTIONG
DRAWN: E. PETRIE
CHECKED: R. BUTIONG
APPROVED: R. CHIANG
DATE: 11/11/25

Fehr & Peers
Fehr and Peers
345 California Street
Suite 450
San Francisco, CA 94104
Main: 415-348-0300
Fax: 415-773-1790

Robin Chiang & Company
381 Tehama Street
San Francisco, CA 94103

STATE OF CALIFORNIA C-10 652 exp. 9-30-27 ROBIN CHIANG REGISTERED ARCHITECT
STAMP

SAN MATEO COUNTY TRANSIT DISTRICT
BUS STOP IMPROVEMENT PLAN

ARCHITECTURAL
BUS SHELTER KIT OF PARTS
FOUR POST CURVED ROOF STANDARD
LENGTH 54831

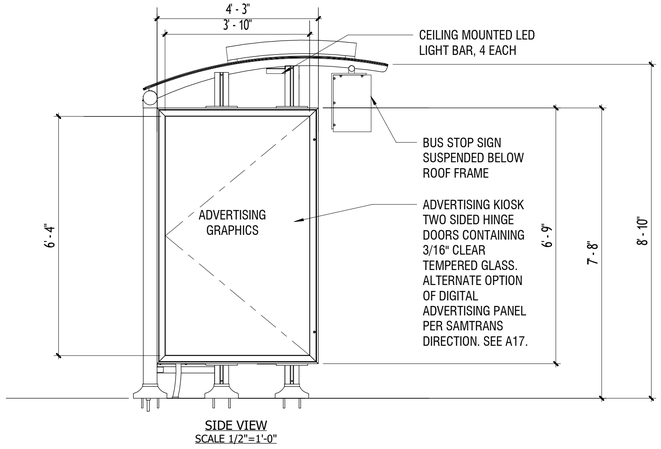
SIZE: D | SCALE: AS NOTED
SHEET NUMBER: **A06**
PAGE NO.

1/12/2026 11:26:20 AM C:\Users\RButiong\Documents\24105 - Sam Tram Bus Stop - New Design_rbutiong@designbythebay.com.rvt

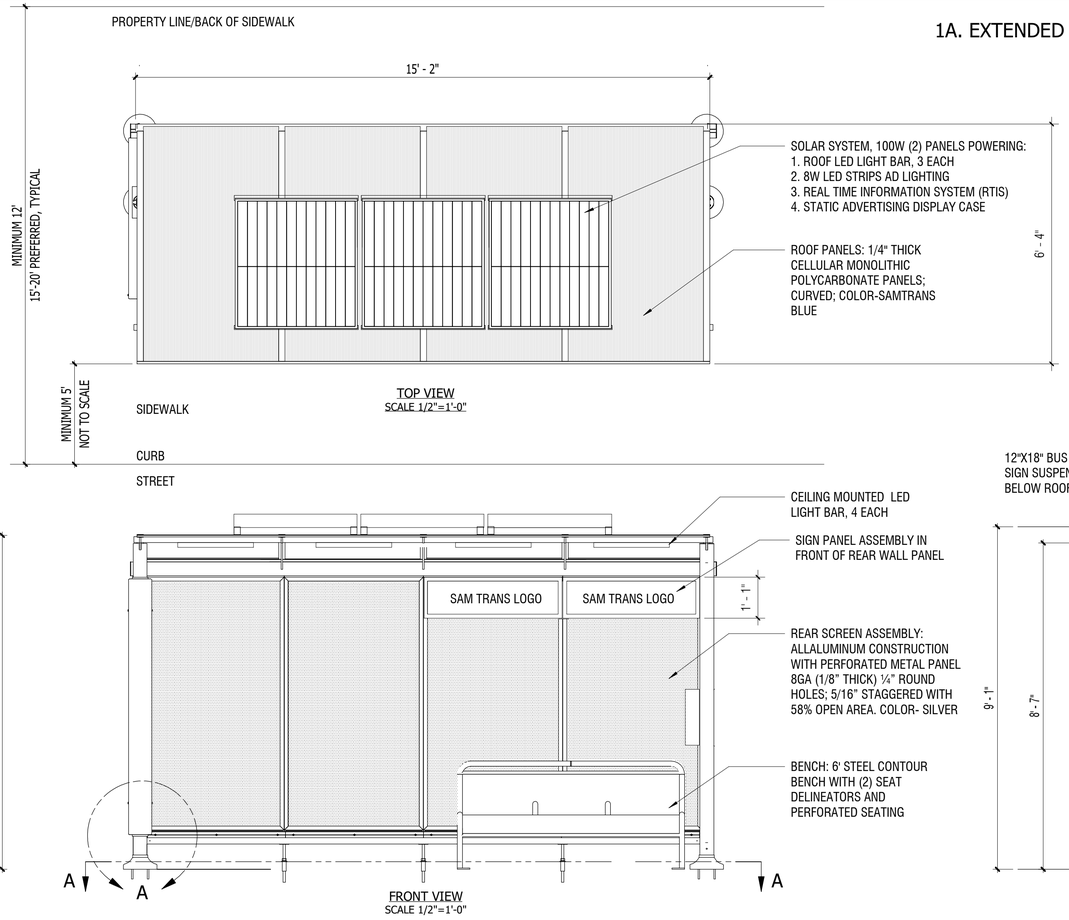
1A. EXTENDED FOUR POST BUS SHELTER CURVED ROOF-FOUR WALL PANEL

GENERAL NOTES:

1. ALL STRUCTURAL STEEL, UNLESS OTHERWISE NOTED, SHALL BE ASTM A-36, MINIMUM YIELD STRENGTH 36,000 PSI.
2. ALL STRUCTURAL ALUMINUM MEMBERS, UNLESS OTHERWISE NOTED, SHALL BE OF ALLOY 6063-T5 OR GREATER.
3. ALL HOLES TO BE DRILLED OR PUNCHED.
4. STEEL WELDING SHALL CONFORM TO AMERICAN WELDING SOCIETY STANDARD D1. 1-10. ELECTRODES SHALL CONFORM TO AWS 5.1, CLASS E70S-5.
5. ALUMINUM WELDING SHALL CONFORM TO AMERICAN WELDING SOCIETY STANDARD D1. 2-08. ELECTRODES SHALL CONFORM TO AWS/SFA 5.10 CLASS ER4043.
6. ALL WELDING TO BE DONE AT MANUFACTURERS FACILITY.
7. ALL CORPORATE PROCEDURES, INCLUDING FABRICATION, MUST BE IN COMPLIANCE WITH MANUFACTURER'S QUALITY CONTROL MANUAL
8. THE CONCRETE PAD SIZES SHOWN ARE STANDARD MINIMUM REQUIREMENTS FOR THE STRUCTURE AND ARE FOR REFERENCE ONLY. THE PAD MAY NEED TO BE REINFORCED OR ENLARGED DEPENDING ON LOCAL CODES AND LOADING CONDITIONS AND DOES NOT INCLUDE ADA CLEAR PATH REQUIREMENTS.
9. SINGLE PANEL UPGRADE WALL PANEL (LASER CUT FOLIAGE PATTERN) DETAIL SIMILAR TO PERFORATED WALL PANEL DETAILS ON SHEET A013.
10. FOR WINDY CONDITIONS: SEE DETAILS ON SHEET A014 FOR DUAL WALL PANEL WITH LEXAN POLYCARBONATE PANEL IN BETWEEN ASSEMBLY.
11. FOR COLOR AND MATERIAL INFORMATION: REFER TO SHEET A0.
12. BATTERIES TO HAVE NEMA TYPE OF WEATHER PROTECTIVE ENCLOSURE.
13. PAINT SHELTERS: SUPER DURABLE BAKED POWDER COAT ENAMEL FINISH, 5 MIL FINAL THICKNESS. ALTERNATE: SHELTERS AT COASTAL AREAS- 70% FLUROPON 70% PVDF EXTERIOR COATING.
14. GRAPHICS PER SAMTRANS DIRECTION. LOGO DESIGN IS PLACEHOLDER. CREATIVE SERVICES/COMMS TO PROPOSE MORE APPOPRIATE DESIGN/SIGN COPY.
15. ALTERNATE: OPTION/ALTERNATE FOR AD PANEL ON SHELTER BACK PANELS, TYPICAL.
16. REFER TO SHEET A15 FOR AMENITY ACCESSORIES (BENCH, TRASH RECEPTACLE, REAL TIME INFORMATION PANEL, PERCH SEATING AND SIMME SEAT.
17. REFER TO SHEET A16 FOR AMENITY ACCESSORIES ALTERNATE SINGLE PANEL RCH INFORMATION HOLDER INSTEAD OF REAL TIME INFORMATION PANEL AT BUS SHELTER.
18. QR CODE 3"X3" LABEL ON METAL PLATE FRAME MOUNTED ON SHELTER POST; MAXIMUM 48" ABOVE FINISH SLAB, TYPICAL.
19. BUS STOP SIGN BELOW SHELTER ROOF: LARGER SIGNS WILL BE INSTALLED OUTSIDE ADJACENT TO SHELTER AS DETERMINED BY SAMTRANS.
20. ALTERNATE OPTION: DIGITAL DISPLAY PANELS IN PLACE OF STATIC ADVERTISING PANEL ON THE LEFT SIDE OF SHELTER. TBD BY SAMTRANS
21. BUS SHELTER AND MONO-POST BASE: PROVIDE ACCOMMODATIONS FOR SLOPE SITES WITH MODIFIED BASE AS NEEDED.

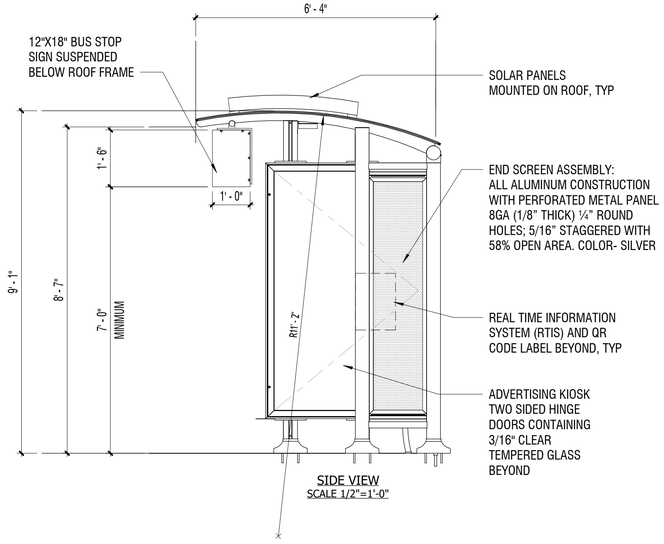


SIDE VIEW
SCALE 1/2"=1'-0"

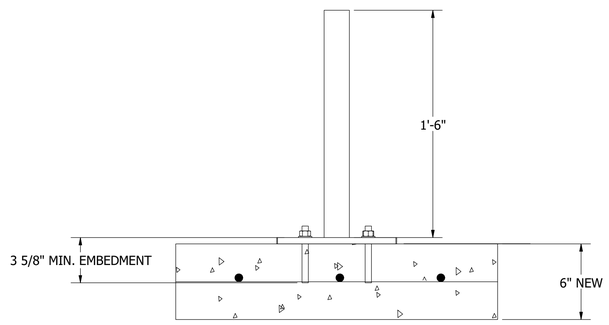


TOP VIEW
SCALE 1/2"=1'-0"

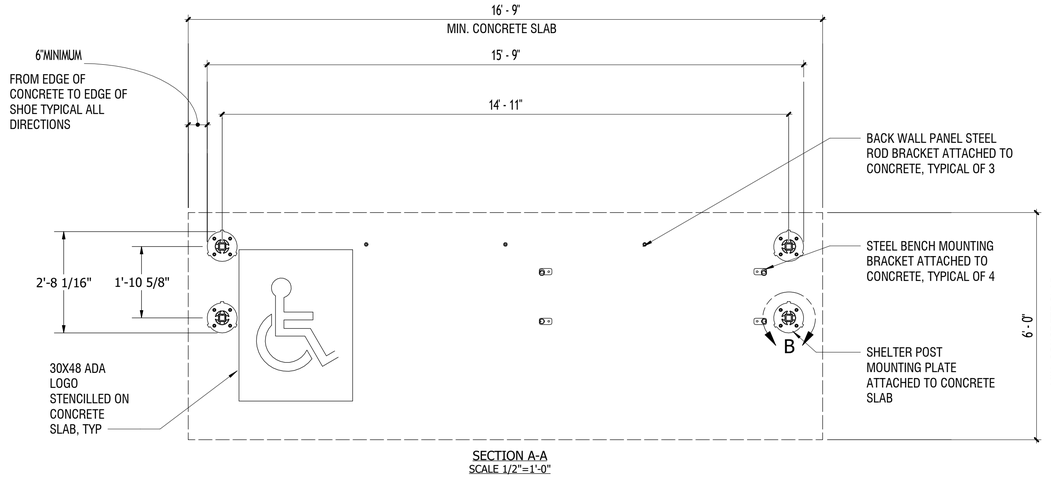
FRONT VIEW
SCALE 1/2"=1'-0"



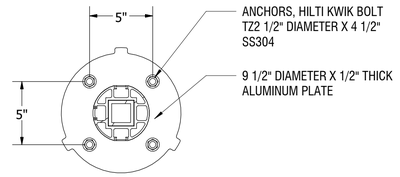
SIDE VIEW
SCALE 1/2"=1'-0"



DETAIL A
SCALE 2" = 1'-0"



SECTION A-A
SCALE 1/2"=1'-0"



DETAIL B
SCALE 2" = 1'-0"

54833-00

REV.	DATE	BY	SUB	APP.	DESCRIPTION
	12/17/2025				FINAL SUBMITTAL

DESIGNED: R. BUTIONG
DRAWN: E. PETRIE
CHECKED: R. BUTIONG
APPROVED: R. CHIANG
DATE: 11/11/25

Fehr & Peers
Fehr and Peers
345 California Street
Suite 450
San Francisco, CA 94104
Main: 415-348-0300
Fax: 415-773-1790

Robin Chiang & Company
381 Tehama Street
San Francisco, CA 94103

STAMP: STATE OF CALIFORNIA C 30182 exp. 6.30.27 ROBIN CHIANG REGISTERED ARCHITECT

SAN MATEO COUNTY TRANSIT DISTRICT
BUS STOP IMPROVEMENT PLAN

ARCHITECTURAL
BUS SHELTER KIT OF PARTS
FOUR POST CURVED ROOF EXTENDED
LENGTH 54833

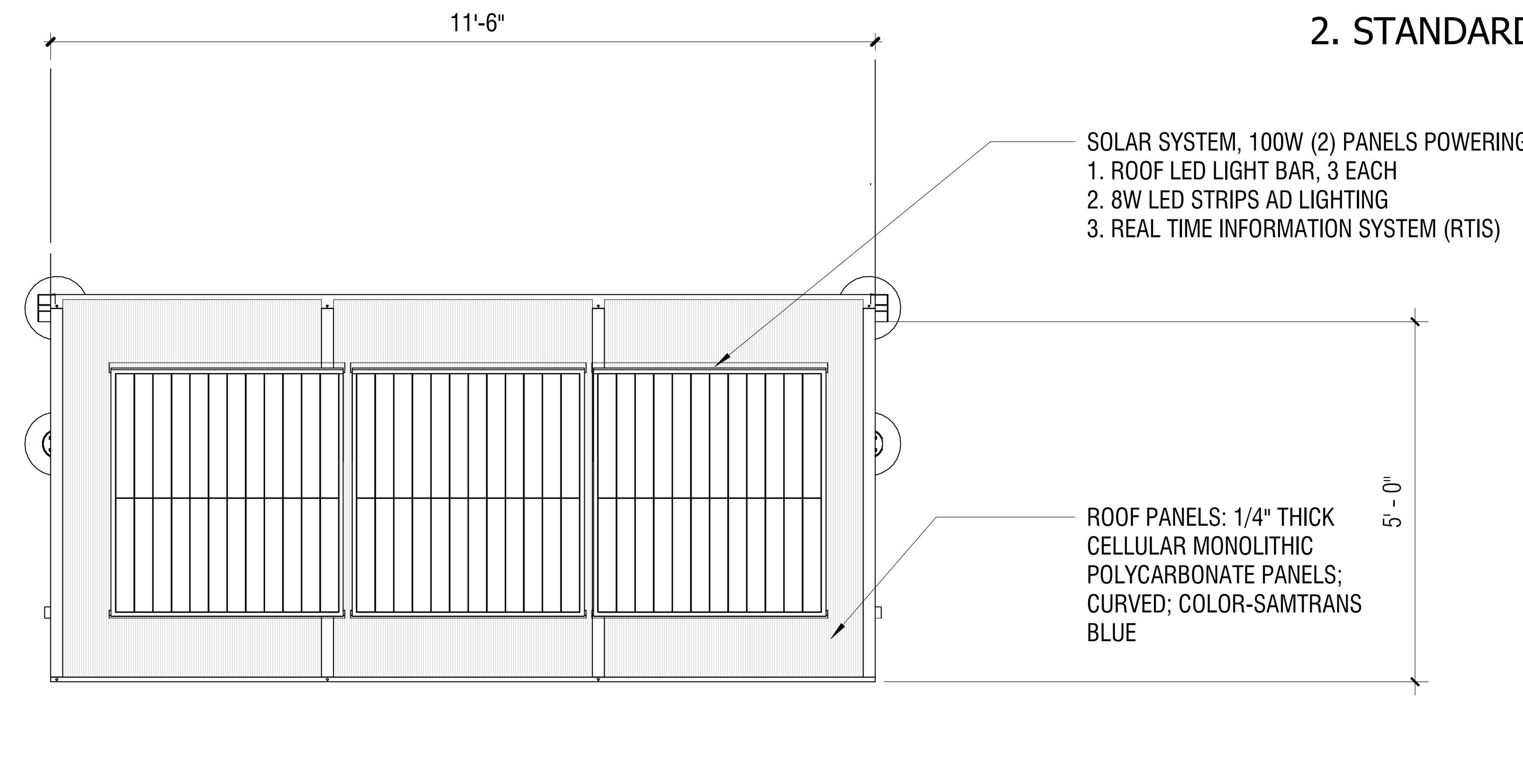
SIZE: D | SCALE: AS NOTED
SHEET NUMBER: **A07**
PAGE NO.

1/12/2026 11:26:21 AM C:\Users\RButiong\Documents\24105 - Sam Tram Bus Stop - New Design_rbutiong@designbythebay.com.rvt

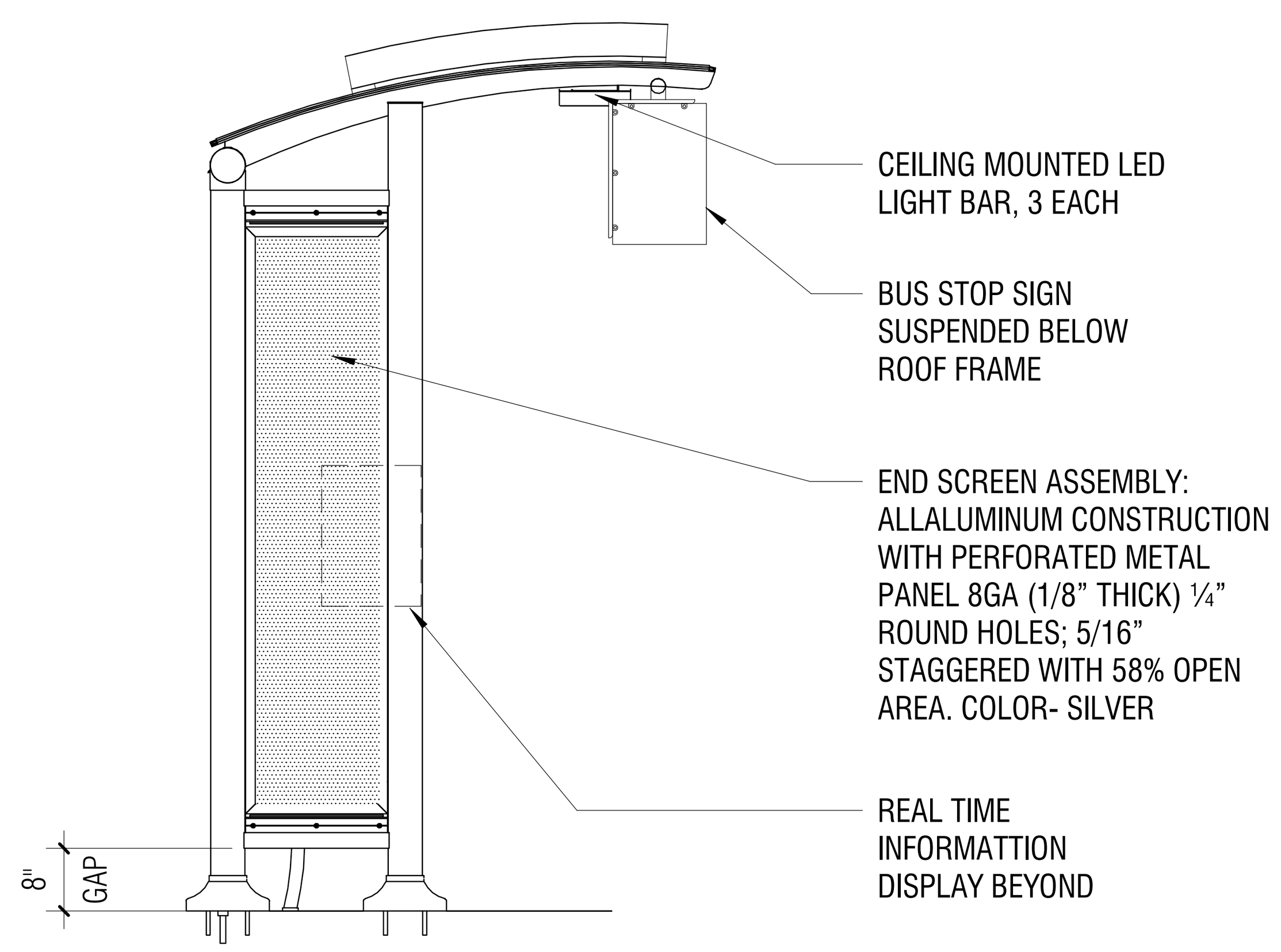
GENERAL NOTES:

1. ALL STRUCTURAL STEEL, UNLESS OTHERWISE NOTED, SHALL BE ASTM A-36, MINIMUM YIELD STRENGTH 36,000 PSI.
2. ALL STRUCTURAL ALUMINUM MEMBERS, UNLESS OTHERWISE NOTED, SHALL BE OF ALLOY 6063-T5 OR GREATER.
3. ALL HOLES TO BE DRILLED OR PUNCHED.
4. STEEL WELDING SHALL CONFORM TO AMERICAN WELDING SOCIETY STANDARD D1. 1-10. ELECTRODES SHALL CONFORM TO AWS 5.1, CLASS E70S-5.
5. ALUMINUM WELDING SHALL CONFORM TO AMERICAN WELDING SOCIETY STANDARD D1. 2-08. ELECTRODES SHALL CONFORM TO AWS/SFA 5.10 CLASS ER4043.
6. ALL WELDING TO BE DONE AT MANUFACTURERS FACILITY.
7. ALL CORPORATE PROCEDURES, INCLUDING FABRICATION, MUST BE IN COMPLIANCE WITH MANUFACTURER'S QUALITY CONTROL MANUAL
8. THE CONCRETE PAD SIZES SHOWN ARE STANDARD MINIMUM REQUIREMENTS FOR THE STRUCTURE AND ARE FOR REFERENCE ONLY. THE PAD MAY NEED TO BE REINFORCED OR ENLARGED DEPENDING ON LOCAL CODES AND LOADING CONDITIONS AND DOES NOT INCLUDE ADA CLEAR PATH REQUIREMENTS.
9. SINGLE PANEL UPGRADE WALL PANEL (LASER CUT FOLIAGE PATTERN) DETAIL SIMILAR TO PERFORATED WALL PANEL DETAILS ON SHEET A013.
10. FOR WINDY CONDITIONS: SEE DETAILS ON SHEET A014 FOR DUAL WALL PANEL WITH LEXAN POLYCARBONATE PANEL IN BETWEEN ASSEMBLY.
11. FOR COLOR AND MATERIAL INFORMATION: REFER TO SHEET A0.
12. BATTERIES TO HAVE NEMA TYPE OF WEATHER PROTECTIVE ENCLOSURE.
13. PAINT SHELTERS: SUPER DURABLE BAKED POWDER COAT ENAMEL FINISH, 5 MIL FINAL THICKNESS. ALTERNATE: SHELTERS AT COASTAL AREAS- 70% FLUROPON 70% PVDF EXTERIOR COATING.
14. GRAPHICS PER SAMTRANS DIRECTION. LOGO DESIGN IS PLACEHOLDER. CREATIVE SERVICES/COMMS TO PROPOSE MORE APPOPRIATE DESIGN/SIGN COPY.
15. ALTERNATE: OPTION/ALTERNATE FOR AD PANEL ON SHELTER BACK PANELS, TYPICAL.
16. REFER TO SHEET A15 FOR AMENITY ACCESSORIES (BENCH, TRASH RECEPTACLE, REAL TIME INFORMATION PANEL, PERCH SEATING AND SIMME SEAT.
17. REFER TO SHEET A16 FOR AMENITY ACCESSORIES ALTERNATE SINGLE PANEL RCH INFORMATION HOLDER INSTEAD OF REAL TIME INFORMATION PANEL AT BUS SHELTER.
18. QR CODE 3"X3" LABEL ON METAL PLATE FRAME MOUNTED ON SHELTER POST; MAXIMUM 48" ABOVE FINISH SLAB, TYPICAL.
19. BUS STOP SIGN BELOW SHELTER ROOF: LARGER SIGNS WILL BE INSTALLED OUTSIDE ADJACENT TO SHELTER AS DETERMINED BY SAMTRANS.
20. ALTERNATE OPTION: DIGITAL DISPLAY PANELS IN PLACE OF STATIC ADVERTISING PANEL ON THE LEFT SIDE OF SHELTER. TBD BY SAMTRANS
21. BUS SHELTER AND MONO-POST BASE: PROVIDE ACCOMMODATIONS FOR SLOPE SITES WITH MODIFIED BASE AS NEEDED.

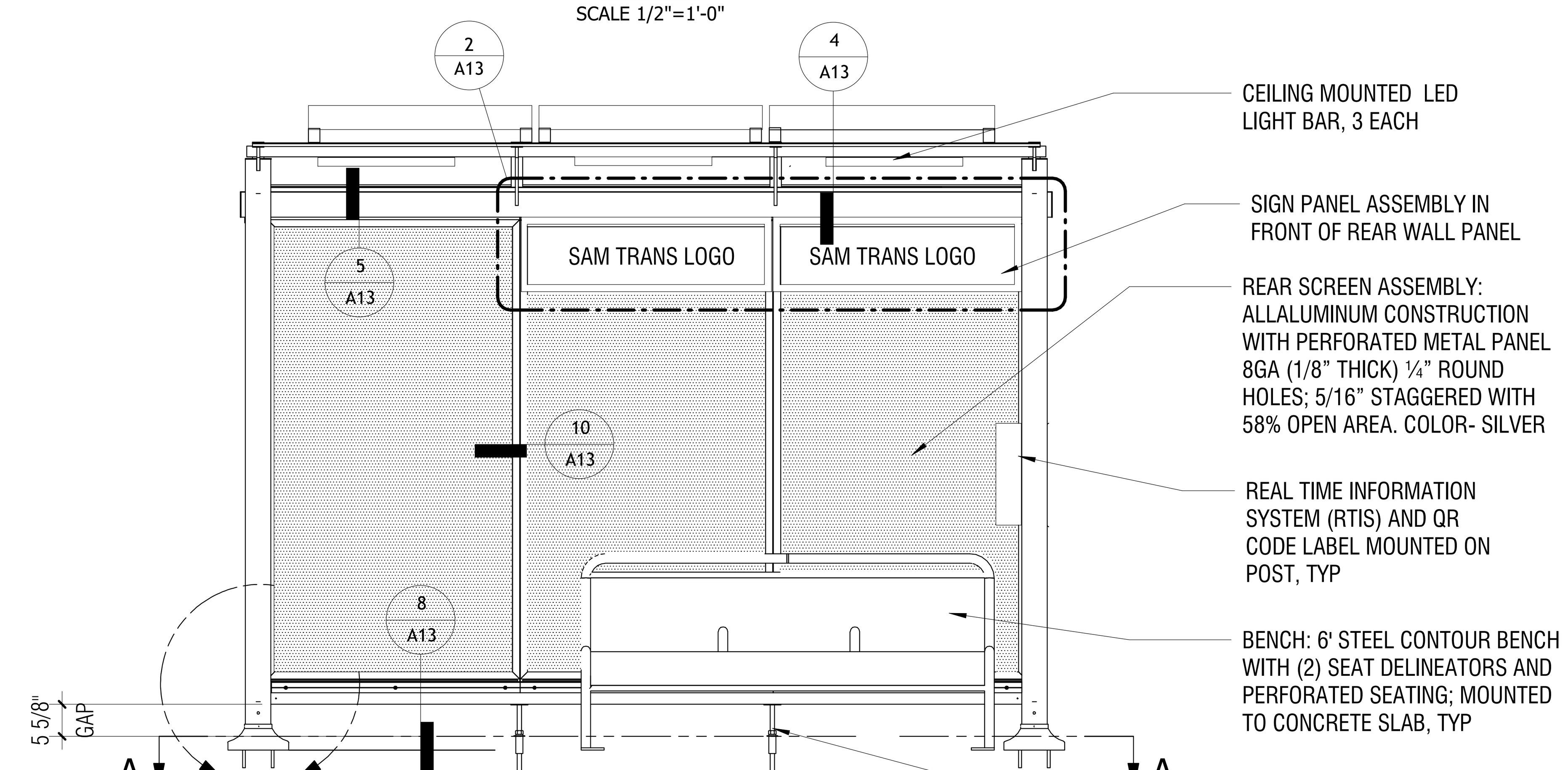
2. STANDARD FOUR POST BUS NARROW SHELTER CURVED ROOF-THREE WALL PANEL



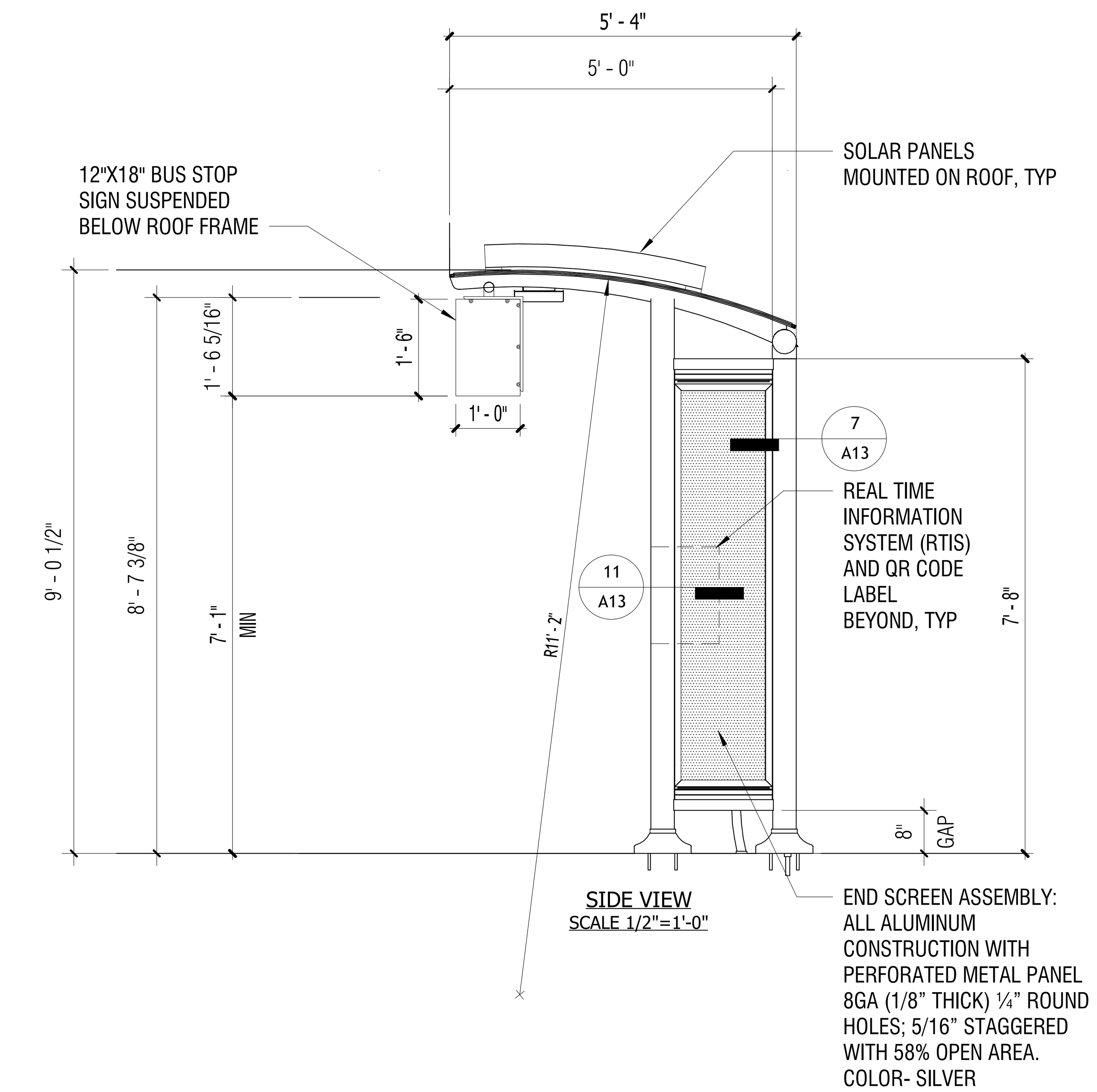
TOP VIEW
SCALE 1/2"=1'-0"



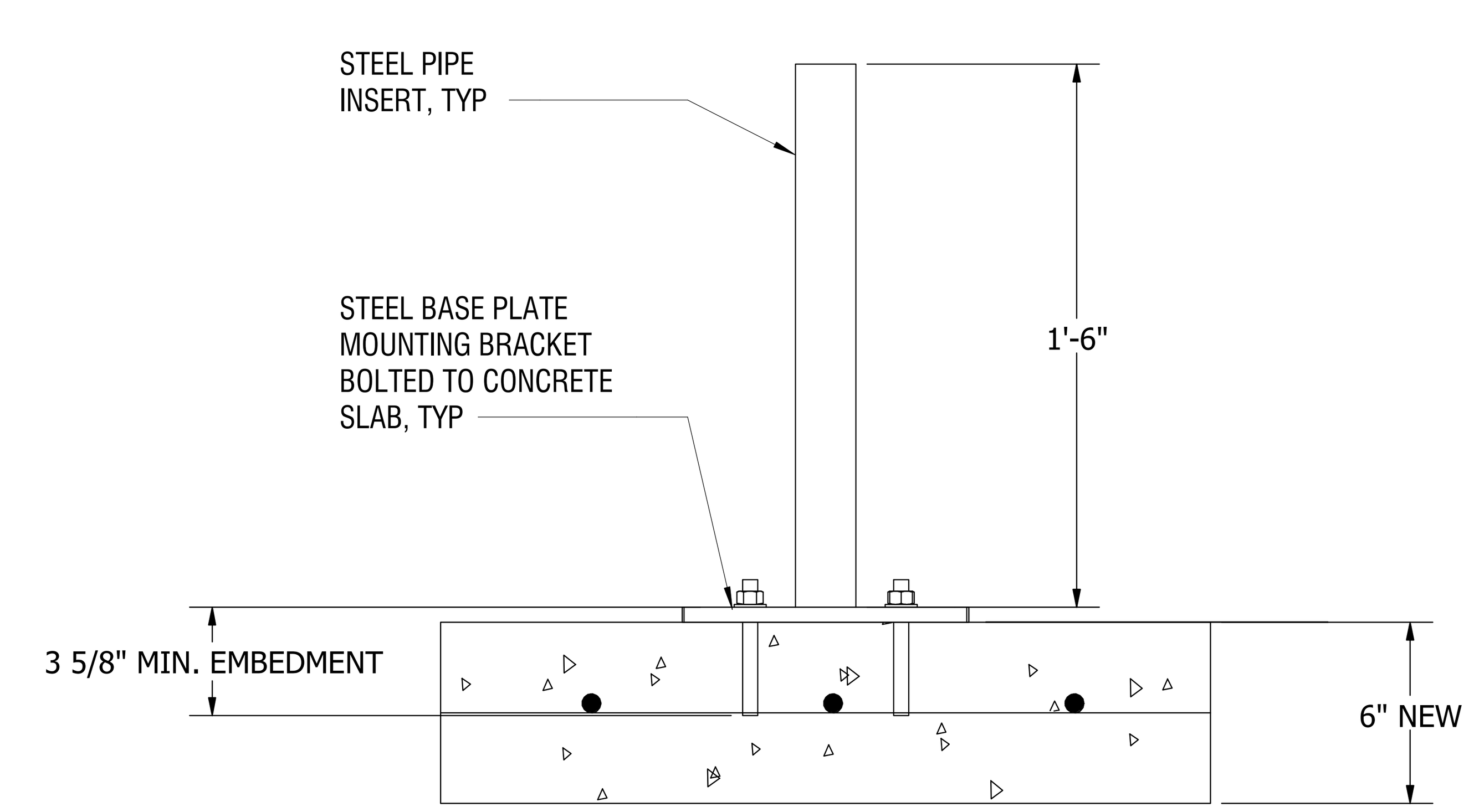
SIDE VIEW
SCALE 1/2"=1'-0"



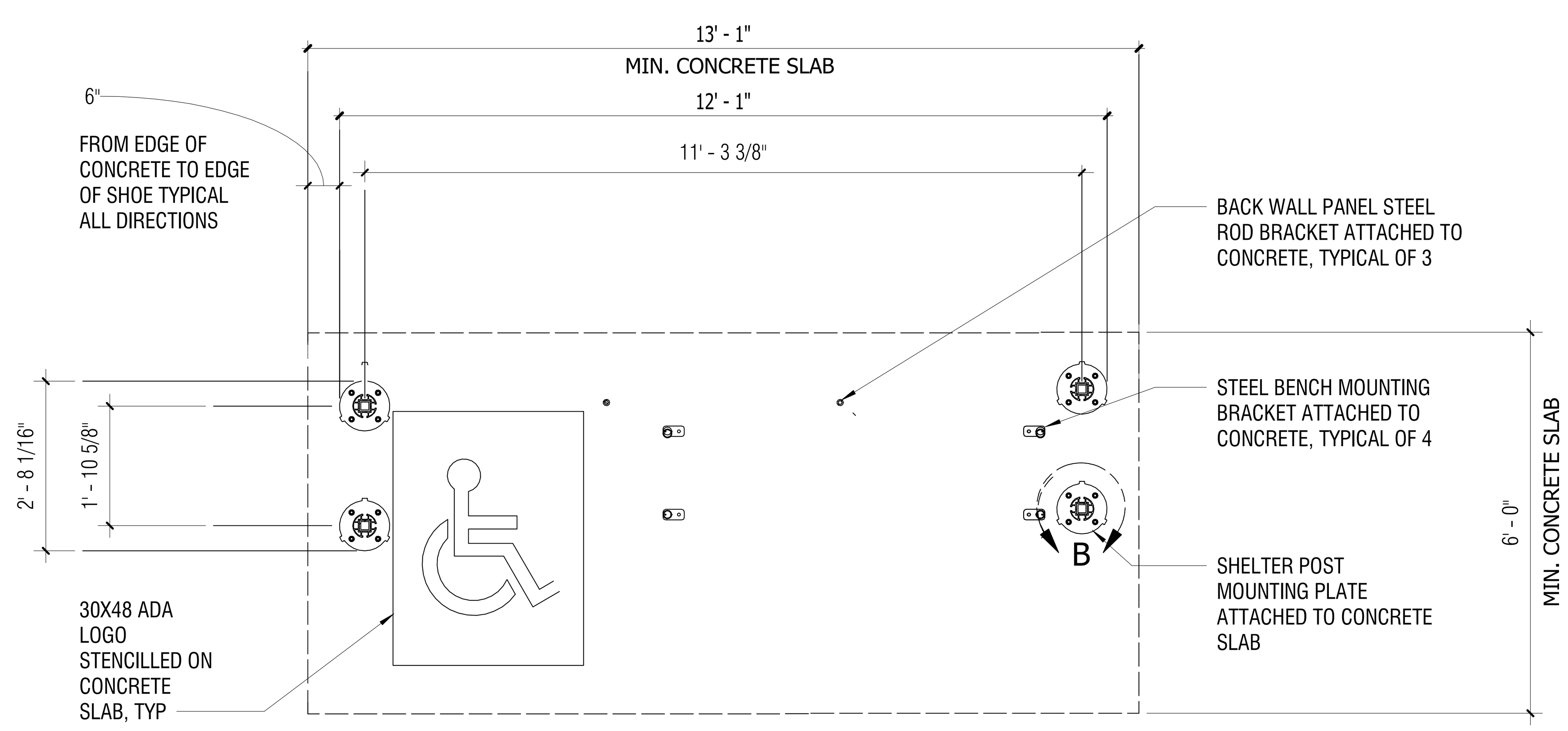
FRONT VIEW
SCALE 1/2"=1'-0"



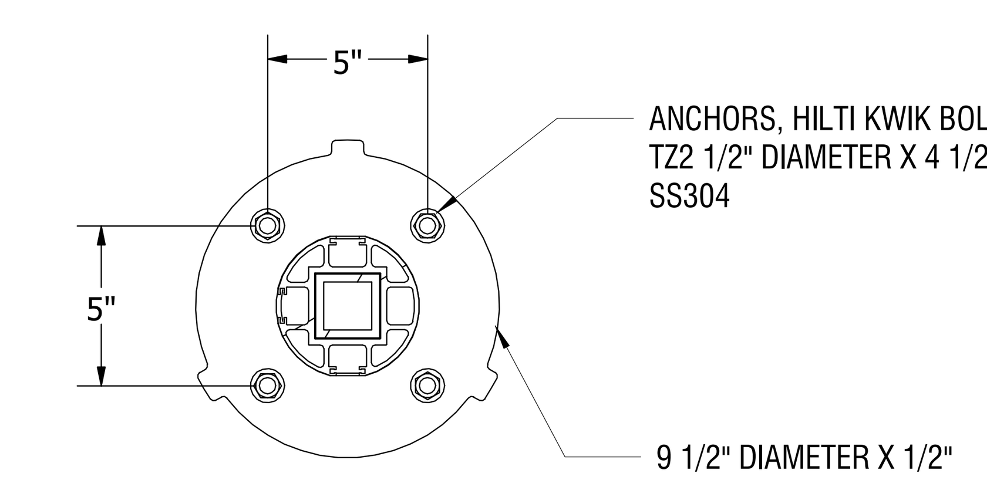
SIDE VIEW
SCALE 1/2"=1'-0"



DETAIL A
SCALE 2" = 1'-0"



SECTION A-A
SCALE 1/2"=1'-0"



DETAIL B
SCALE 2" = 1'-0"

54830-00

REV.	DATE	BY	SUB	APP.	DESCRIPTION	REV.	DATE	BY	SUB	APP.
	12/17/2025				FINAL SUBMITTAL					

DESIGNED: R. BUTIONG
DRAWN: E. PETRIE
CHECKED: R. BUTIONG
APPROVED: R. CHIANG
DATE: 11/11/25

Fehr & Peers
Fehr and Peers
345 California Street
Suite 450
San Francisco, CA 94104
Main: 415-348-0300
Fax: 415-773-1790

Robin Chiang & Company
381 Tehama Street
San Francisco, CA 94103

STATE OF CALIFORNIA C-10162 exp. 9-30-27 ROBIN CHIANG REGISTERED ARCHITECT
STAMP

SAN MATEO COUNTY TRANSIT DISTRICT
BUS STOP IMPROVEMENT PLAN

ARCHITECTURAL
BUS SHELTER KIT OF PARTS

FOUR POST CURVED ROOF STANDARD LENGTH NARROW 54830

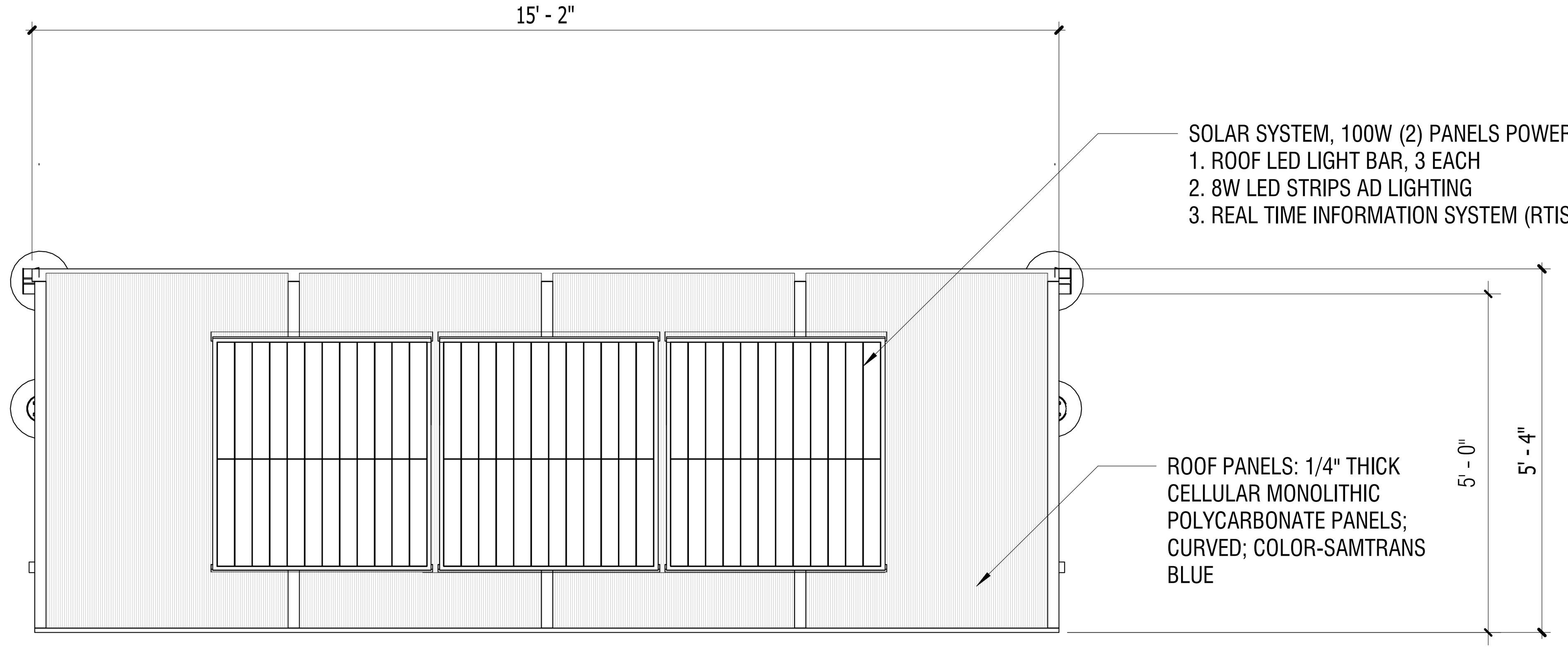
SIZE: D
SCALE: AS NOTED
SHEET NUMBER: **A08**
PAGE NO.

C:\Users\RButiong\Documents\24105 - Sam Tram Bus Stop - New Design_rbutiong@designbythebay.com.rvt
1/12/2026 11:26:22 AM

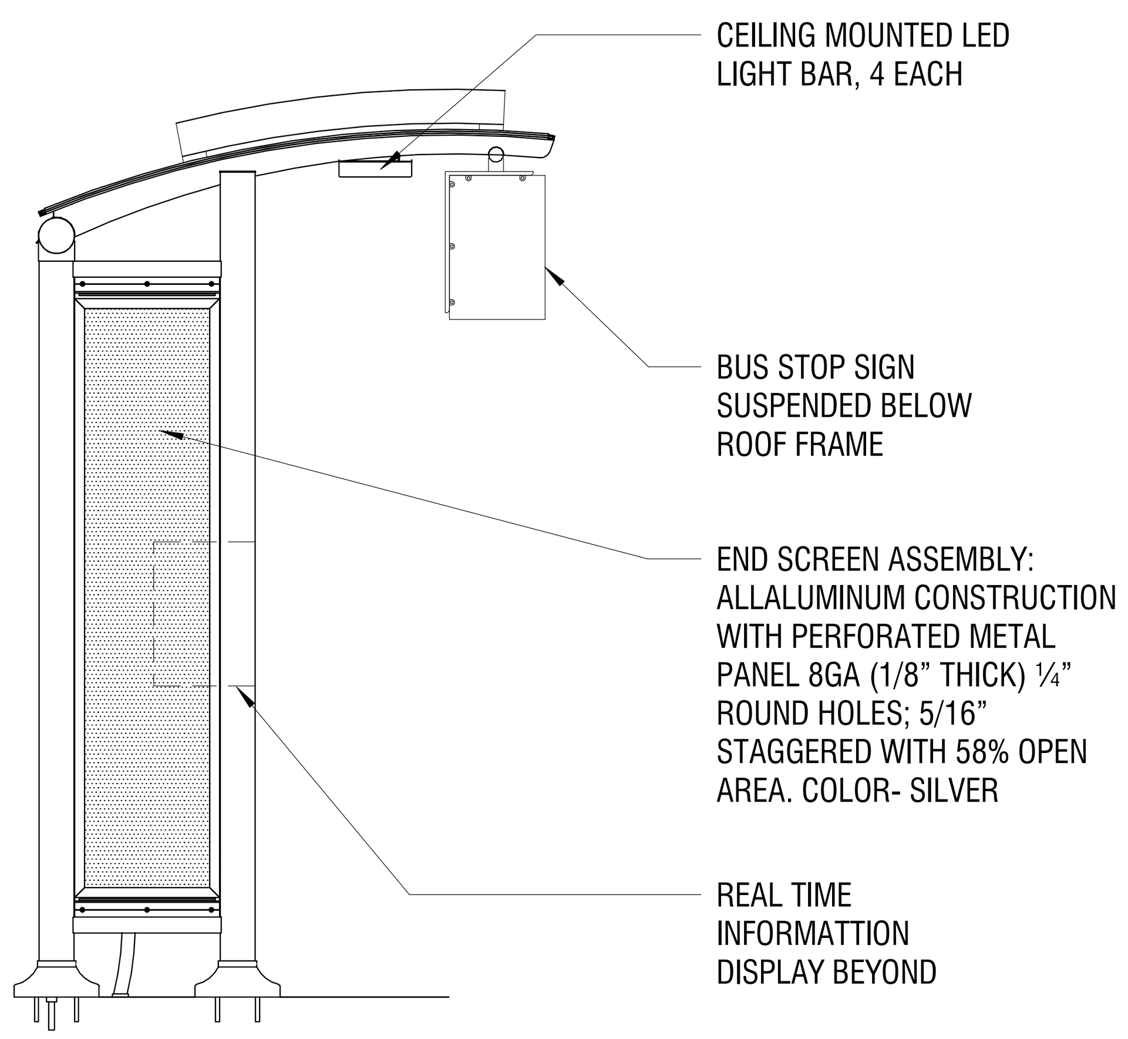
2A. EXTENDED FOUR POST BUS NARROW SHELTER CURVED ROOF-FOUR WALL PANEL

GENERAL NOTES:

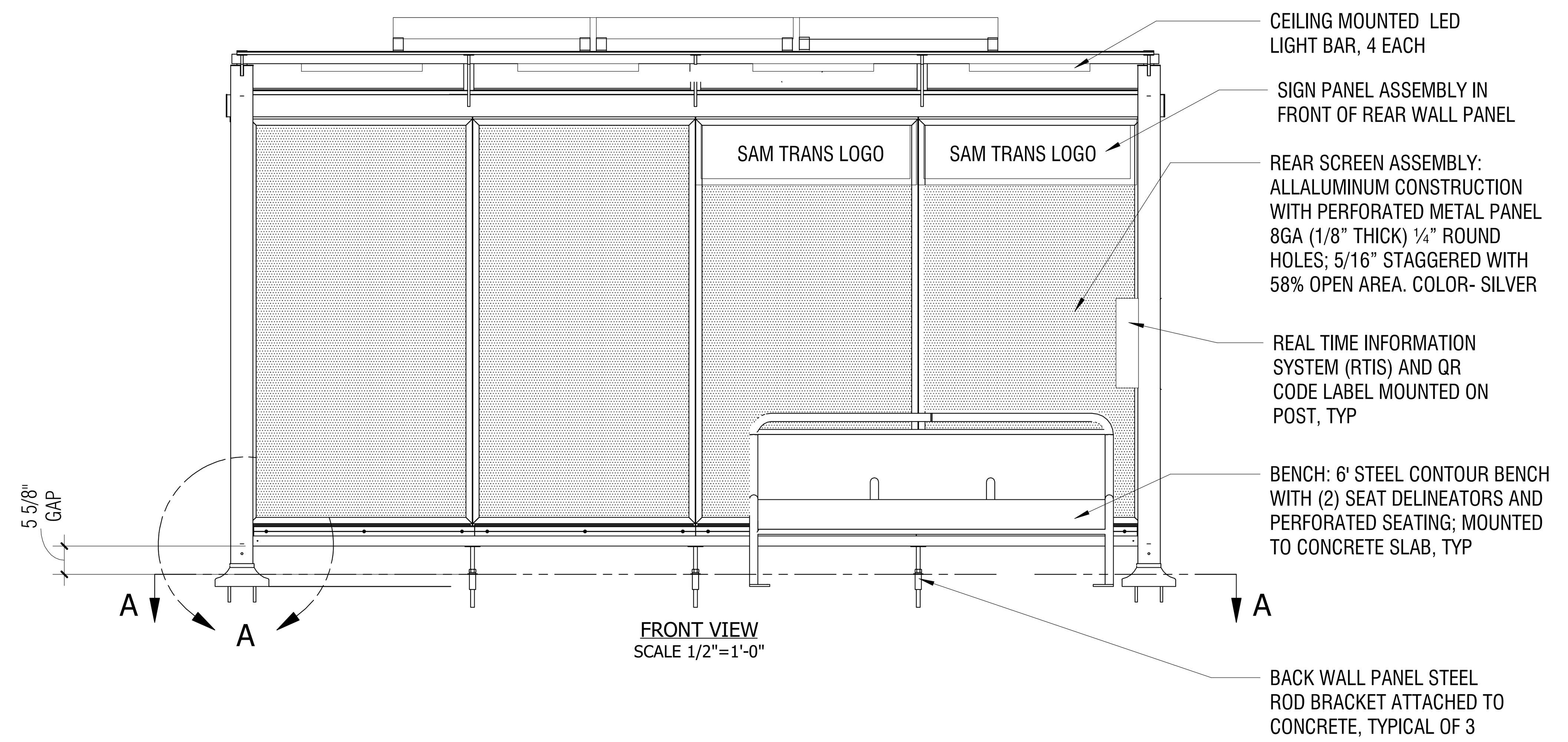
1. ALL STRUCTURAL STEEL, UNLESS OTHERWISE NOTED, SHALL BE ASTM A-36, MINIMUM YIELD STRENGTH 36,000 PSI.
2. ALL STRUCTURAL ALUMINUM MEMBERS, UNLESS OTHERWISE NOTED, SHALL BE OF ALLOY 6063-T5 OR GREATER.
3. ALL HOLES TO BE DRILLED OR PUNCHED.
4. STEEL WELDING SHALL CONFORM TO AMERICAN WELDING SOCIETY STANDARD D1. 1-10. ELECTRODES SHALL CONFORM TO AWS 5.1, CLASS E70S-5.
5. ALUMINUM WELDING SHALL CONFORM TO AMERICAN WELDING SOCIETY STANDARD D1. 2-08. ELECTRODES SHALL CONFORM TO AWS/SFA 5.10 CLASS ER4043.
6. ALL WELDING TO BE DONE AT MANUFACTURERS FACILITY.
7. ALL CORPORATE PROCEDURES, INCLUDING FABRICATION, MUST BE IN COMPLIANCE WITH MANUFACTURER'S QUALITY CONTROL MANUAL
8. THE CONCRETE PAD SIZES SHOWN ARE STANDARD MINIMUM REQUIREMENTS FOR THE STRUCTURE AND ARE FOR REFERENCE ONLY. THE PAD MAY NEED TO BE REINFORCED OR ENLARGED DEPENDING ON LOCAL CODES AND LOADING CONDITIONS AND DOES NOT INCLUDE ADA CLEAR PATH REQUIREMENTS.
9. SINGLE PANEL UPGRADE WALL PANEL (LASER CUT FOLIAGE PATTERN) DETAIL SIMILAR TO PERFORATED WALL PANEL DETAILS ON SHEET A013.
10. FOR WINDY CONDITIONS: SEE DETAILS ON SHEET A014 FOR DUAL WALL PANEL WITH LEXAN POLYCARBONATE PANEL IN BETWEEN ASSEMBLY.
11. FOR COLOR AND MATERIAL INFORMATION: REFER TO SHEET A0.
12. BATTERIES TO HAVE NEMA TYPE OF WEATHER PROTECTIVE ENCLOSURE.
13. PAINT SHELTERS: SUPER DURABLE BAKED POWDER COAT ENAMEL FINISH, 5 MIL FINAL THICKNESS. ALTERNATE: SHELTERS AT COASTAL AREAS- 70% FLUROPON 70% PVDF EXTERIOR COATING.
14. GRAPHICS PER SAMTRANS DIRECTION. LOGO DESIGN IS PLACEHOLDER. CREATIVE SERVICES/COMMS TO PROPOSE MORE APPROPIATE DESIGN/SIGN COPY.
15. ALTERNATE: OPTION/ALTERNATE FOR AD PANEL ON SHELTER BACK PANELS, TYPICAL.
16. REFER TO SHEET A15 FOR AMENITY ACCESSORIES (BENCH, TRASH RECEPTACLE, REAL TIME INFORMATION PANEL, PERCH SEATING AND SIMME SEAT.
17. REFER TO SHEET A16 FOR AMENITY ACCESSORIES ALTERNATE SINGLE PANEL RCH INFORMATION HOLDER INSTEAD OF REAL TIME INFORMATION PANEL AT BUS SHELTER.
18. QR CODE 3"X3" LABEL ON METAL PLATE FRAME MOUNTED ON SHELTER POST; MAXIMUM 48" ABOVE FINISH SLAB, TYPICAL.
19. BUS STOP SIGN BELOW SHELTER ROOF: LARGER SIGNS WILL BE INSTALLED OUTSIDE ADJACENT TO SHELTER AS DETERMINED BY SAMTRANS.
20. ALTERNATE OPTION: DIGITAL DISPLAY PANELS IN PLACE OF STATIC ADVERTISING PANEL ON THE LEFT SIDE OF SHELTER. TBD BY SAMTRANS
21. BUS SHELTER AND MONO-POST BASE: PROVIDE ACCOMMODATIONS FOR SLOPE SITES WITH MODIFIED BASE AS NEEDED.



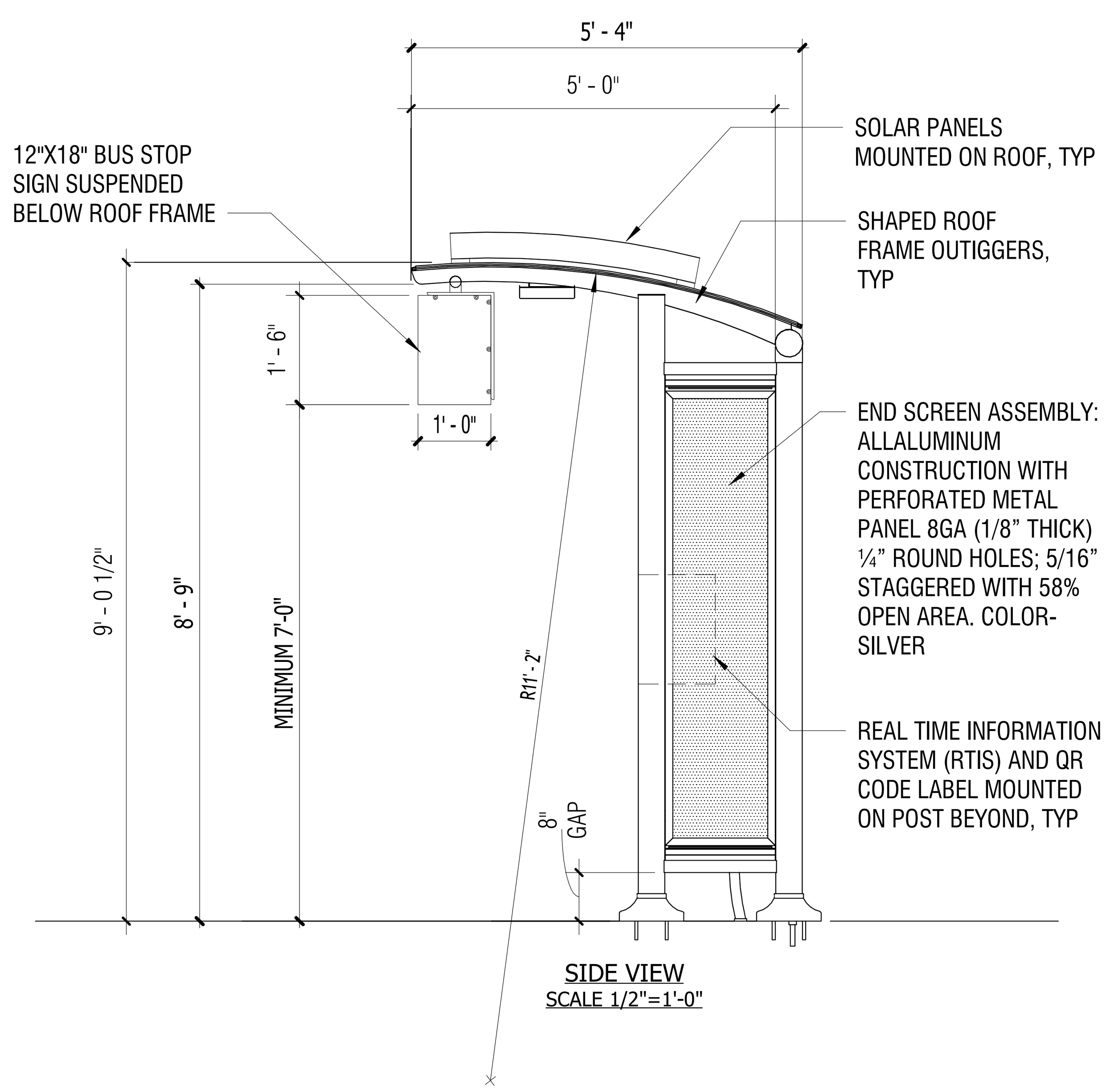
TOP VIEW
SCALE 1/2"=1'-0"



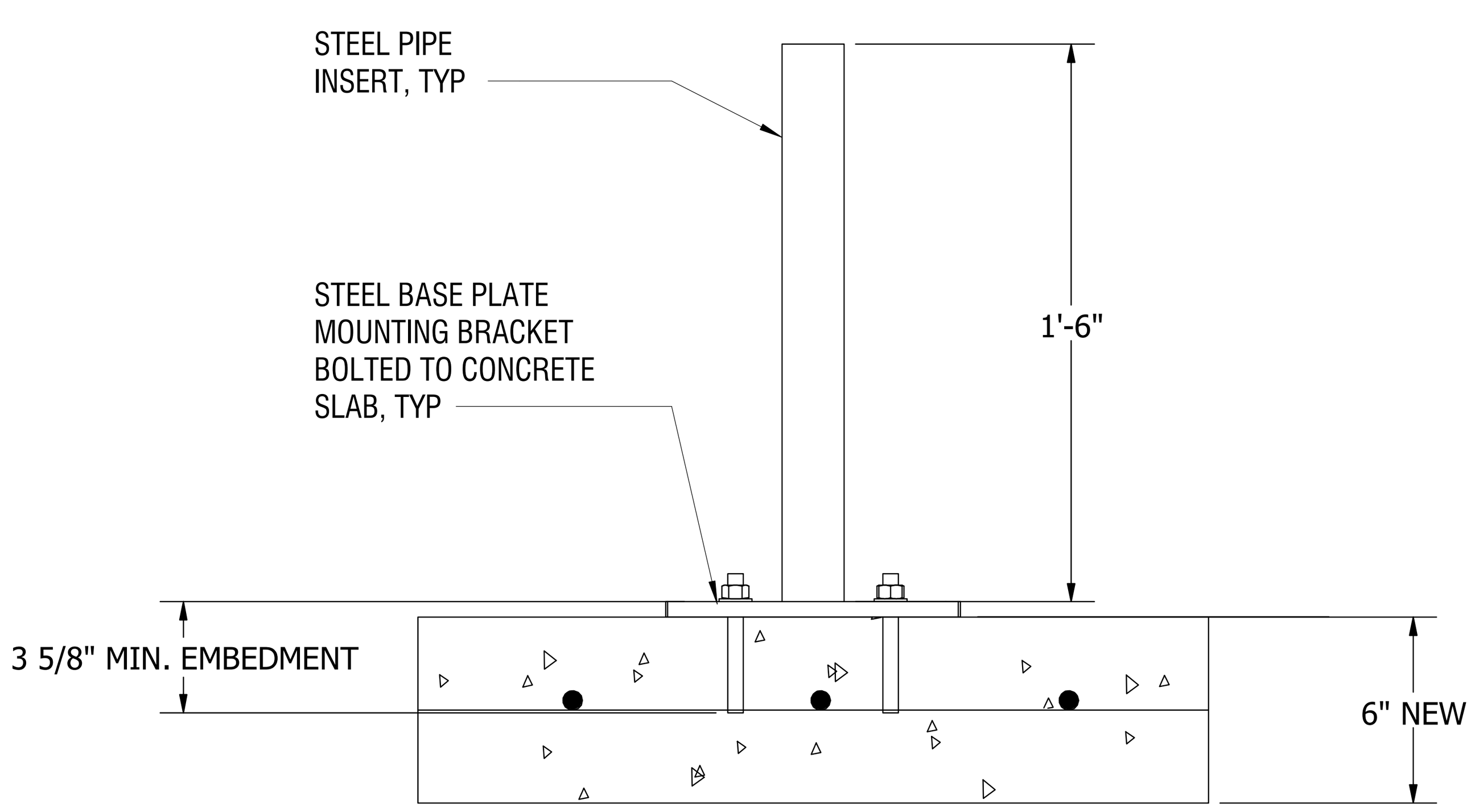
SIDE VIEW
SCALE 1/2"=1'-0"



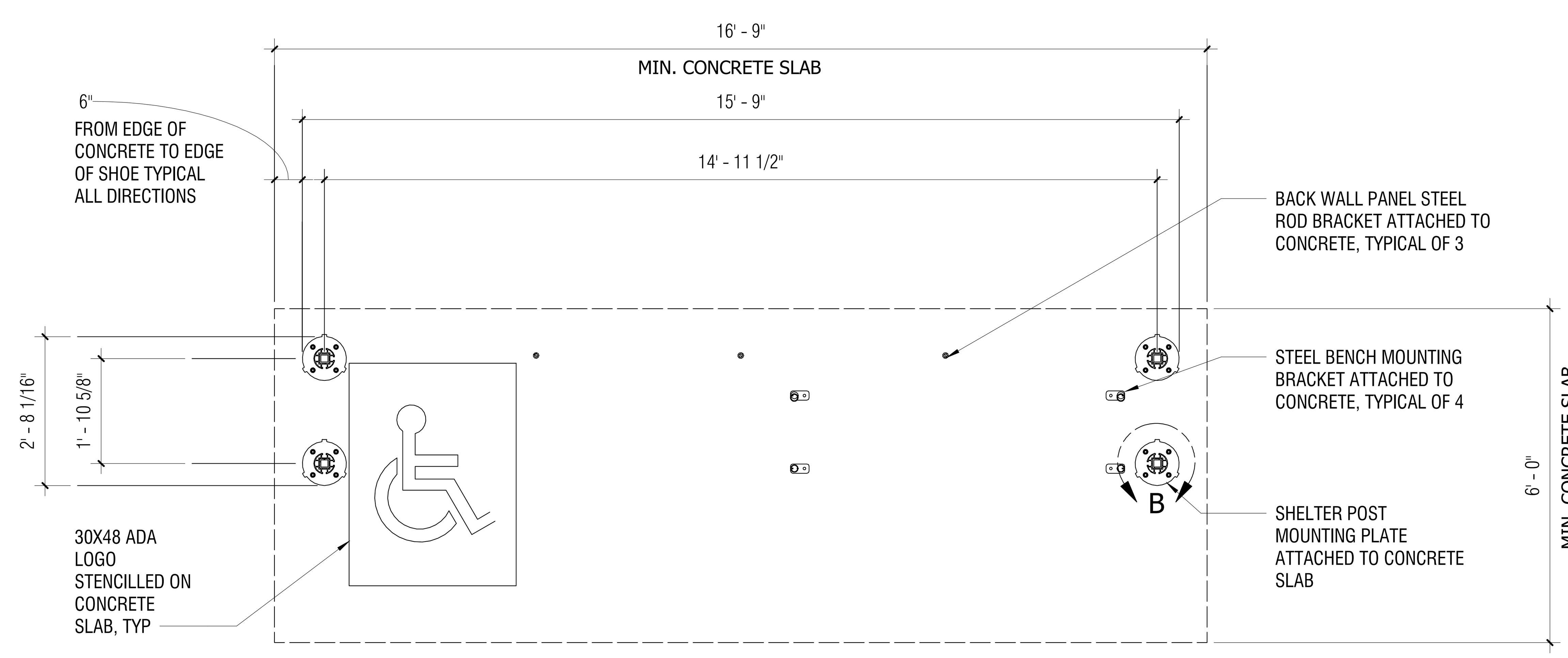
FRONT VIEW
SCALE 1/2"=1'-0"



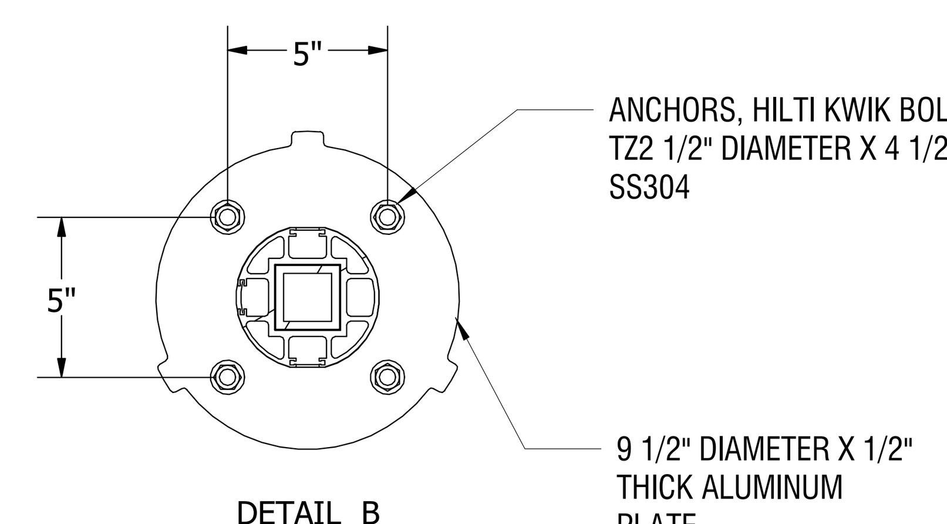
SIDE VIEW
SCALE 1/2"=1'-0"



DETAIL A
SCALE 2" = 1'-0"



SECTION A-A
SCALE 1/2"=1'-0"



DETAIL B
SCALE 2" = 1'-0"

54832-00

REV.	DATE	BY	SUB	APP.	DESCRIPTION
	12/17/2025				FINAL SUBMITTAL

REV.	DATE	BY	SUB	APP.

DESIGNED: R. BUTIONG
DRAWN: E. PETRIE
CHECKED: R. BUTIONG
APPROVED: R. CHIANG
DATE: 11/11/25

Fehr & Peers
Fehr and Peers
345 California Street
Suite 450
San Francisco, CA 94104
Main: 415-348-0300
Fax: 415-773-1790

Robin Chiang & Company
381 Tehama Street
San Francisco, CA 94103

STATE OF CALIFORNIA
C-9152 exp. 9-30-27
ROBIN CHIANG
REGISTERED ARCHITECT
STAMP

SAN MATEO COUNTY TRANSIT DISTRICT
BUS STOP IMPROVEMENT PLAN

ARCHITECTURAL BUS SHELTER KIT OF PARTS

FOUR POST CURVED ROOF EXTENDED LENGTH NARROW 54832

SIZE: D
SCALE: AS NOTED
SHEET NUMBER: **A09**
PAGE NO.

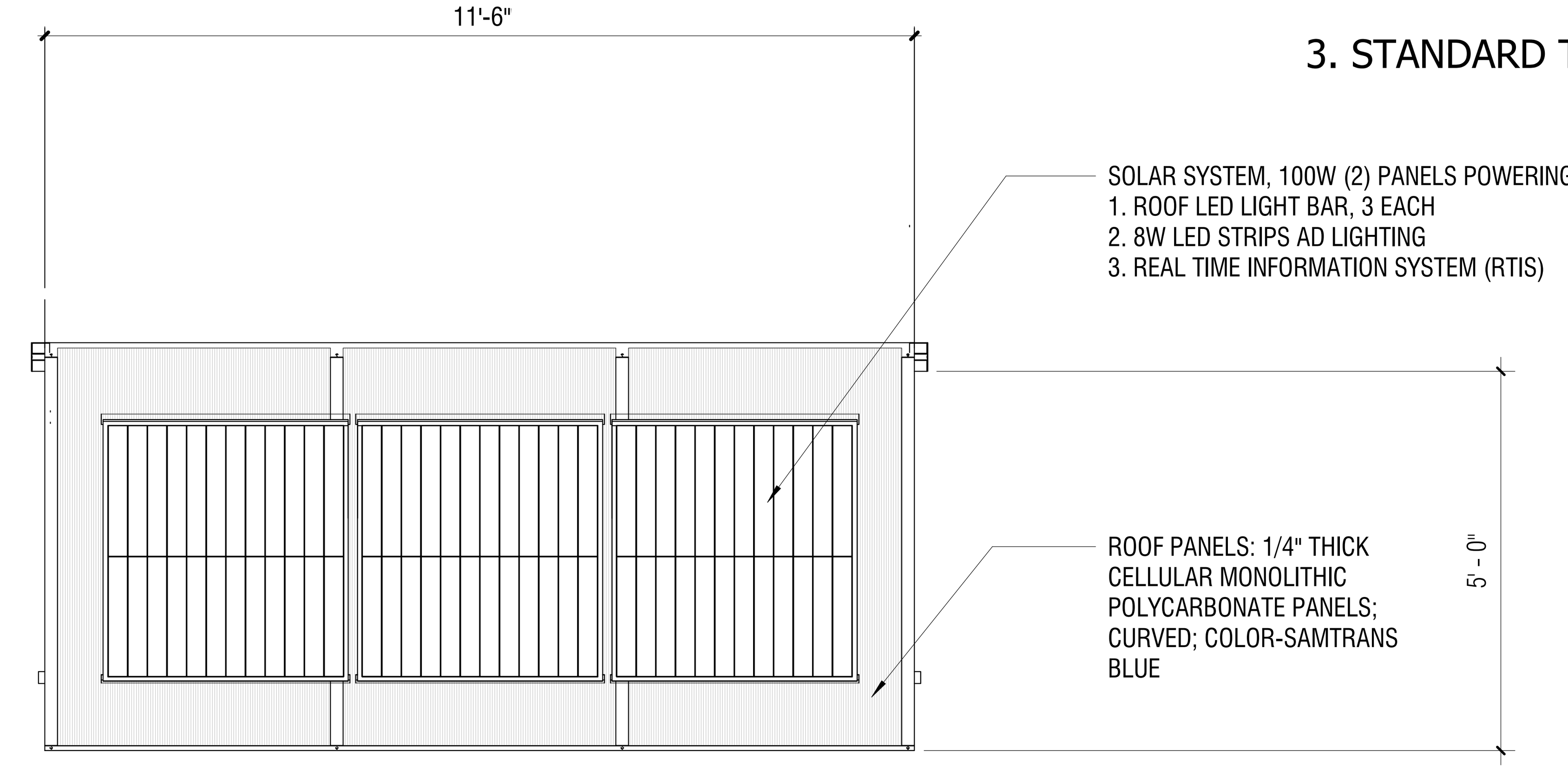
C:\Users\RButiong\Documents\24105 - Sam Tram Bus Stop - New Design_rbutiong@designbythebay.com.rvt

1/12/2026 11:26:23 AM

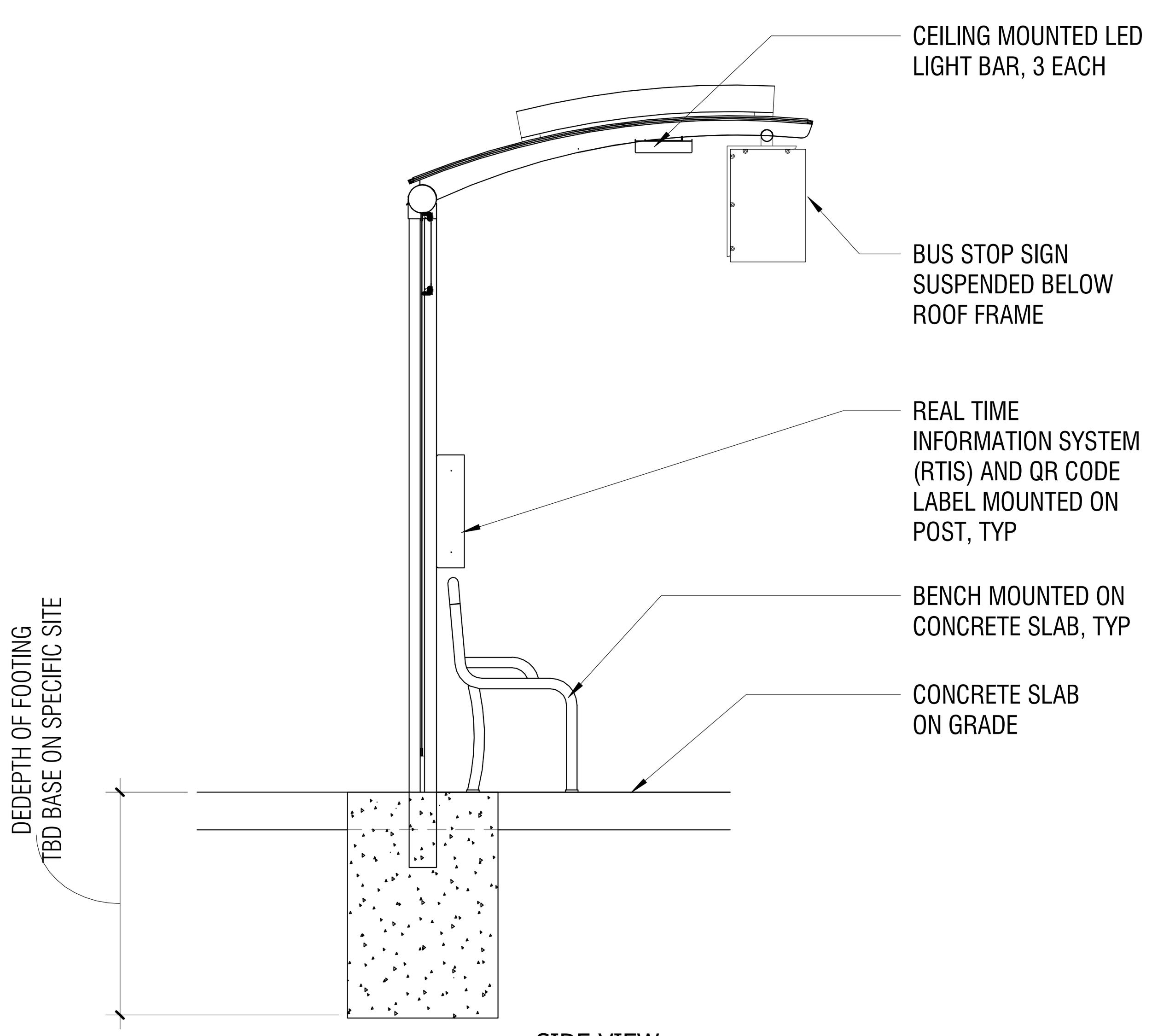
GENERAL NOTES:

1. ALL STRUCTURAL STEEL, UNLESS OTHERWISE NOTED, SHALL BE ASTM A-36, MINIMUM YIELD STRENGTH 36,000 PSI.
2. ALL STRUCTURAL ALUMINUM MEMBERS, UNLESS OTHERWISE NOTED, SHALL BE OF ALLOY 6063-T5 OR GREATER.
3. ALL HOLES TO BE DRILLED OR PUNCHED.
4. STEEL WELDING SHALL CONFORM TO AMERICAN WELDING SOCIETY STANDARD D1. 1-10. ELECTRODES SHALL CONFORM TO AWS 5.1, CLASS E70S-5.
5. ALUMINUM WELDING SHALL CONFORM TO AMERICAN WELDING SOCIETY STANDARD D1. 2-08. ELECTRODES SHALL CONFORM TO AWS/SFA 5.10 CLASS ER4043.
6. ALL WELDING TO BE DONE AT MANUFACTURERS FACILITY.
7. ALL CORPORATE PROCEDURES, INCLUDING FABRICATION, MUST BE IN COMPLIANCE WITH MANUFACTURER'S QUALITY CONTROL MANUAL
8. THE CONCRETE PAD SIZES SHOWN ARE STANDARD MINIMUM REQUIREMENTS FOR THE STRUCTURE AND ARE FOR REFERENCE ONLY. THE PAD MAY NEED TO BE REINFORCED OR ENLARGED DEPENDING ON LOCAL CODES AND LOADING CONDITIONS AND DOES NOT INCLUDE ADA CLEAR PATH REQUIREMENTS.
9. SINGLE PANEL UPGRADE WALL PANEL (LASER CUT FOLIAGE PATTERN) DETAIL SIMILAR TO PERFORATED WALL PANEL DETAILS ON SHEET A013.
10. FOR WINDY CONDITIONS: SEE DETAILS ON SHEET A014 FOR DUAL WALL PANEL WITH LEXAN POLYCARBONATE PANEL IN BETWEEN ASSEMBLY.
11. FOR COLOR AND MATERIAL INFORMATION: REFER TO SHEET A0.
12. BATTERIES TO HAVE NEMA TYPE OF WEATHER PROTECTIVE ENCLOSURE.
13. PAINT SHELTERS: SUPER DURABLE BAKED POWDER COAT ENAMEL FINISH, 5 MIL FINAL THICKNESS. ALTERNATE: SHELTERS AT COASTAL AREAS- 70% FLUROPON 70% PVDF EXTERIOR COATING.
14. GRAPHICS PER SAMTRANS DIRECTION. LOGO DESIGN IS PLACEHOLDER. CREATIVE SERVICES/COMMS TO PROPOSE MORE APPOPRIATE DESIGN/SIGN COPY.
15. ALTERNATE: OPTION/ALTERNATE FOR AD PANEL ON SHELTER BACK PANELS, TYPICAL.
16. REFER TO SHEET A15 FOR AMENITY ACCESSORIES (BENCH, TRASH RECEPTACLE, REAL TIME INFORMATION PANEL, PERCH SEATING AND SIMME SEAT.
17. REFER TO SHEET A16 FOR AMENITY ACCESSORIES ALTERNATE SINGLE PANEL RCH INFORMATION HOLDER INSTEAD OF REAL TIME INFORMATION PANEL AT BUS SHELTER.
18. QR CODE 3"X3" LABEL ON METAL PLATE FRAME MOUNTED ON SHELTER POST; MAXIMUM 48" ABOVE FINISH SLAB, TYPICAL.
19. BUS STOP SIGN BELOW SHELTER ROOF: LARGER SIGNS WILL BE INSTALLED OUTSIDE ADJACENT TO SHELTER AS DETERMINED BY SAMTRANS.
20. ALTERNATE OPTION: DIGITAL DISPLAY PANELS IN PLACE OF STATIC ADVERTISING PANEL ON THE LEFT SIDE OF SHELTER. TBD BY SAMTRANS
21. BUS SHELTER AND MONO-POST BASE: PROVIDE ACCOMMODATIONS FOR SLOPE SITES WITH MODIFIED BASE AS NEEDED.

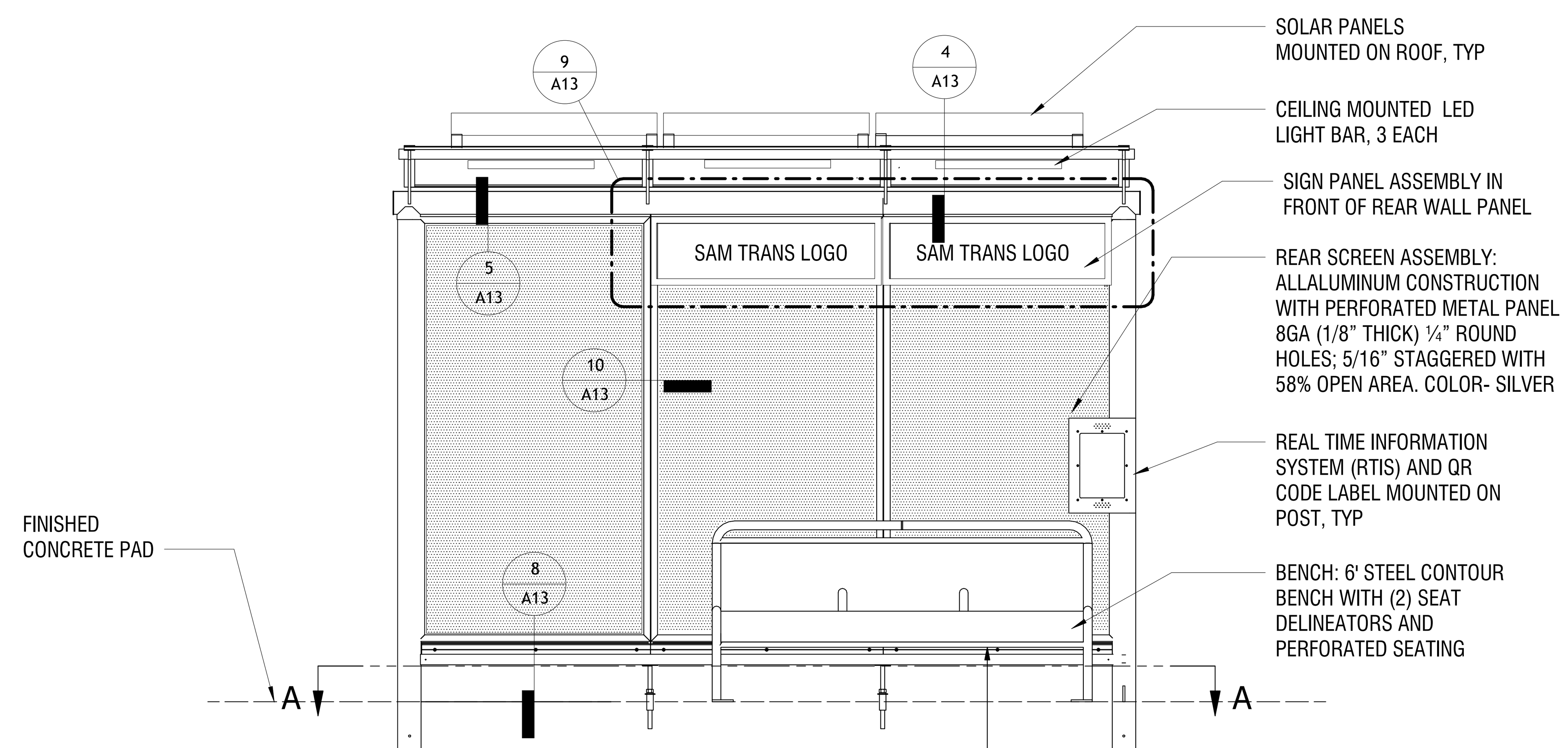
3. STANDARD TWO POST CANTILEVER BUS SHELTER CURVED ROOF - NO SIDE PANELS



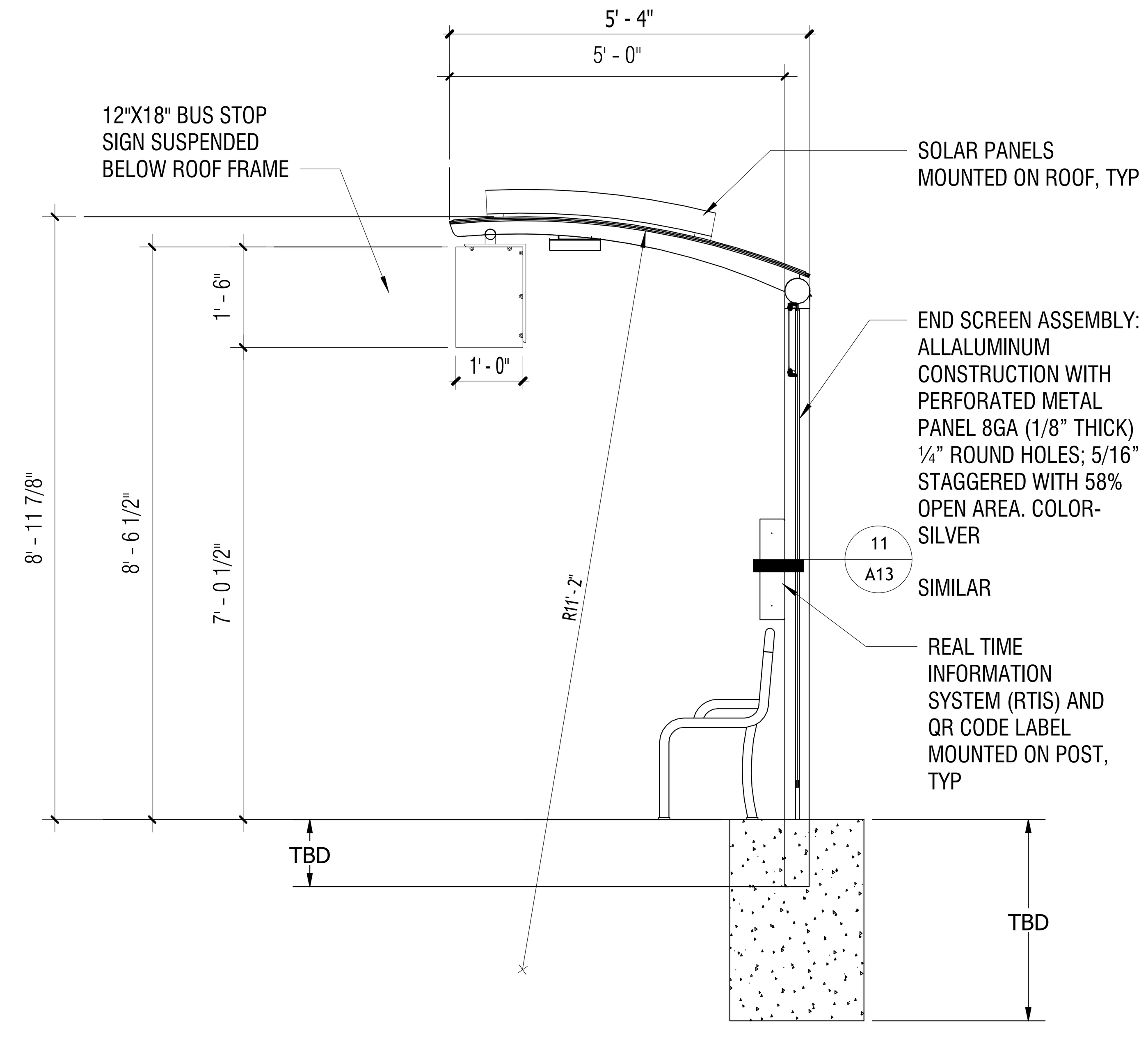
TOP VIEW
SCALE 1/2"=1'-0"



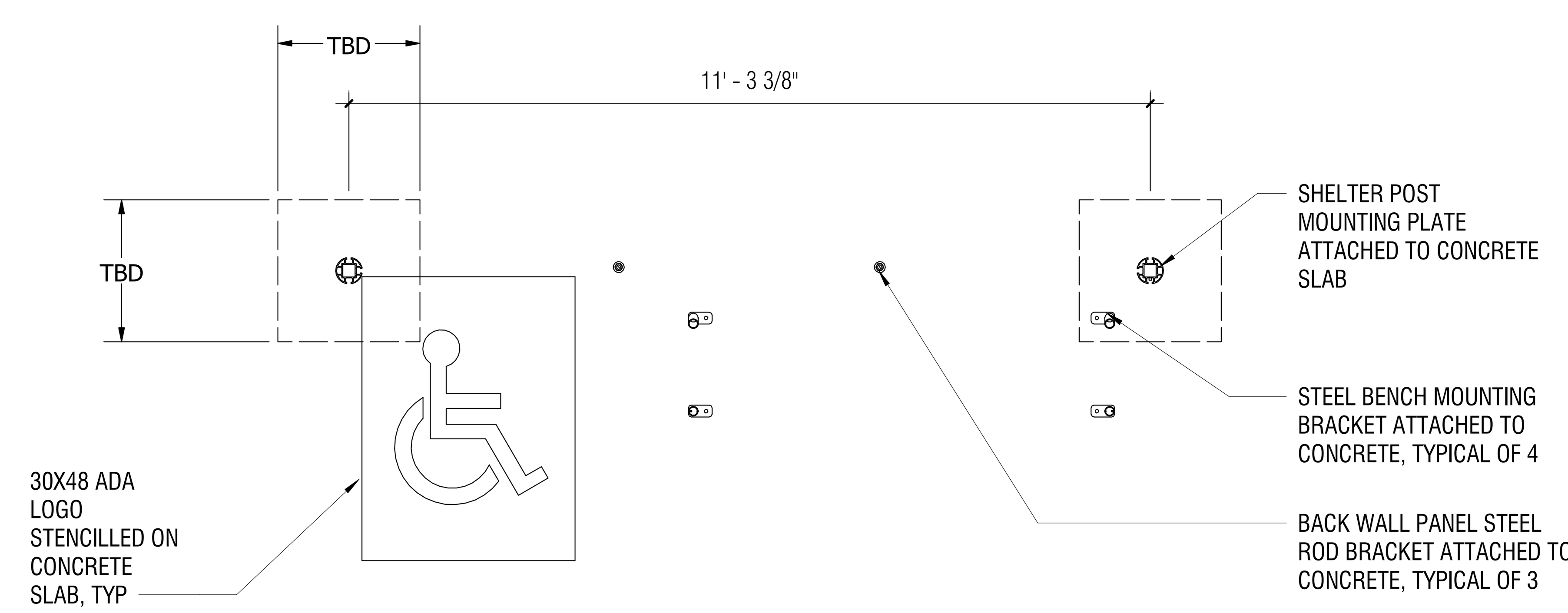
SIDE VIEW
SCALE 1/2"=1'-0"



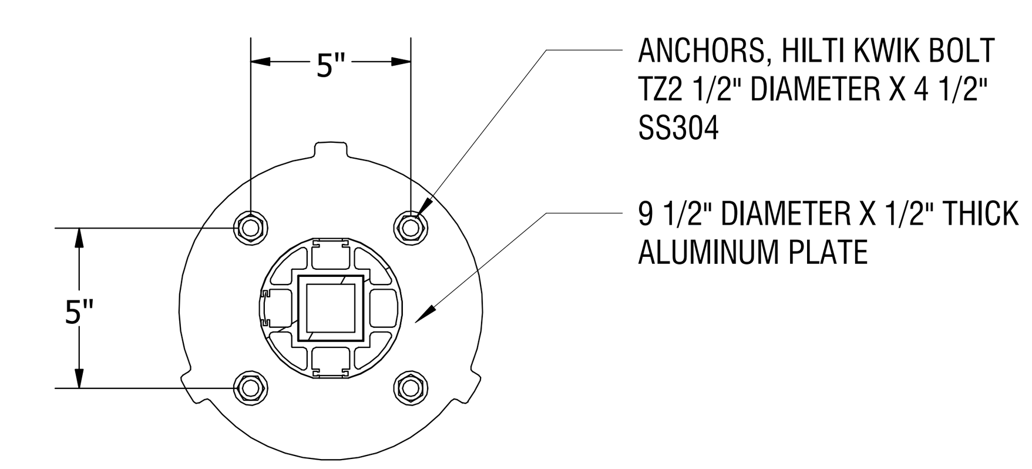
FRONT VIEW
SCALE 1/2"=1'-0"



SIDE VIEW
SCALE 1/2"=1'-0"



SECTION A-A
SCALE 1/2"=1'-0"



DETAIL B
SCALE 2" = 1'-0"

54868

REV.	DATE	BY	SUB	APP.	DESCRIPTION	REV.	DATE	BY	SUB	APP.
	12/17/2025				FINAL SUBMITTAL					

DESIGNED: R. BUTIONG
DRAWN: E. PETRIE
CHECKED: R. BUTIONG
APPROVED: R. CHIANG
DATE: 11/11/25

Fehr & Peers
Fehr and Peers
345 California Street
Suite 450
San Francisco, CA 94104
Main: 415-348-0300
Fax: 415-773-1790

Robin Chiang & Company
381 Tehama Street
San Francisco, CA 94103

STATE OF CALIFORNIA
C-10152 exp. 9-30-27
ROBIN CHIANG
REGISTERED ARCHITECT
STAMP

SAN MATEO COUNTY TRANSIT DISTRICT
BUS STOP IMPROVEMENT PLAN

ARCHITECTURAL
BUS SHELTER KIT OF PARTS

TWO-POST CANTILEVERED CURVED ROOF
54868

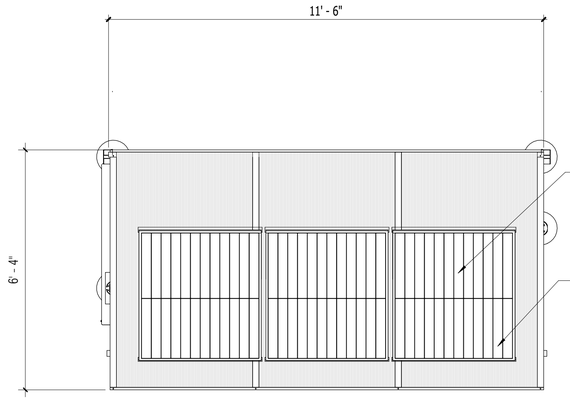
SIZE: D
SCALE: AS NOTED
SHEET NUMBER: **A10**
PAGE NO.

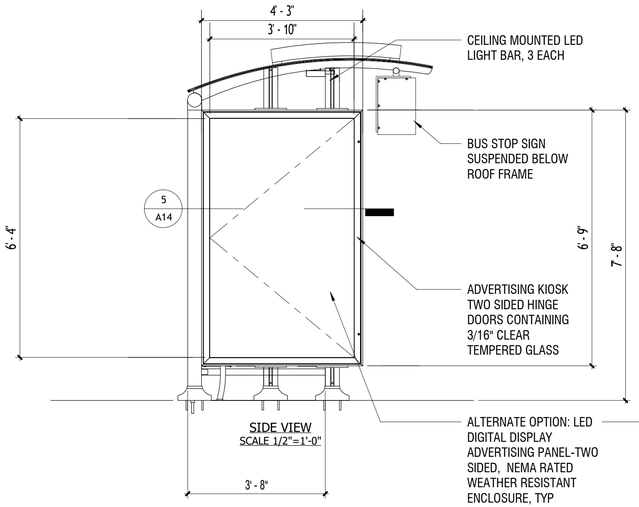
C:\Users\RButiong\Documents\24105 - Sam Tram Bus Stop - New Design_rbutiong@designbythebay.com.rvt
1/12/2026 11:26:24 AM

GENERAL NOTES:

1. ALL STRUCTURAL STEEL, UNLESS OTHERWISE NOTED, SHALL BE ASTM A-36, MINIMUM YIELD STRENGTH 36,000 PSI.
2. ALL STRUCTURAL ALUMINUM MEMBERS, UNLESS OTHERWISE NOTED, SHALL BE OF ALLOY 6063-T5 OR GREATER.
3. ALL HOLES TO BE DRILLED OR PUNCHED.
4. STEEL WELDING SHALL CONFORM TO AMERICAN WELDING SOCIETY STANDARD D1. 1-10. ELECTRODES SHALL CONFORM TO AWS 5.1, CLASS E70S-5.
5. ALUMINUM WELDING SHALL CONFORM TO AMERICAN WELDING SOCIETY STANDARD D1. 2-08. ELECTRODES SHALL CONFORM TO AWS/SFA 5.10 CLASS ER4043.
6. ALL WELDING TO BE DONE AT MANUFACTURERS FACILITY.
7. ALL CORPORATE PROCEDURES, INCLUDING FABRICATION, MUST BE IN COMPLIANCE WITH MANUFACTURER'S QUALITY CONTROL MANUAL
8. THE CONCRETE PAD SIZES SHOWN ARE STANDARD MINIMUM REQUIREMENTS FOR THE STRUCTURE AND ARE FOR REFERENCE ONLY. THE PAD MAY NEED TO BE REINFORCED OR ENLARGED DEPENDING ON LOCAL CODES AND LOADING CONDITIONS AND DOES NOT INCLUDE ADA CLEAR PATH REQUIREMENTS.
9. SINGLE PANEL UPGRADE WALL PANEL (LASER CUT FOLIAGE PATTERN) DETAIL SIMILAR TO PERFORATED WALL PANEL DETAILS ON SHEET A013.
10. FOR WINDY CONDITIONS: SEE DETAILS ON SHEET A014 FOR DUAL WALL PANEL WITH LEXAN POLYCARBONATE PANEL IN BETWEEN ASSEMBLY.
11. FOR COLOR AND MATERIAL INFORMATION: REFER TO SHEET A0.
12. BATTERIES TO HAVE NEMA TYPE OF WEATHER PROTECTIVE ENCLOSURE.
13. PAINT SHELTERS: SUPER DURABLE BAKED POWDER COAT ENAMEL FINISH, 5 MIL FINAL THICKNESS. ALTERNATE: SHELTERS AT COASTAL AREAS- 70% FLUROPON 70% PVDF EXTERIOR COATING.
14. GRAPHICS PER SAMTRANS DIRECTION. LOGO DESIGN IS PLACEHOLDER. CREATIVE SERVICES/COMMS TO PROPOSE MORE APPOPRIATE DESIGN/SIGN COPY.
15. ALTERNATE: OPTION/ALTERNATE FOR AD PANEL ON SHELTER BACK PANELS, TYPICAL.
16. REFER TO SHEET A15 FOR AMENITY ACCESSORIES (BENCH, TRASH RECEPTACLE, REAL TIME INFORMATION PANEL, PERCH SEATING AND SIMME SEAT.
17. REFER TO SHEET A16 FOR AMENITY ACCESSORIES ALTERNATE SINGLE PANEL RCH INFORMATION HOLDER INSTEAD OF REAL TIME INFORMATION PANEL AT BUS SHELTER.
18. QR CODE 3"X3" LABEL ON METAL PLATE FRAME MOUNTED ON SHELTER POST; MAXIMUM 48" ABOVE FINISH SLAB, TYPICAL.
19. BUS STOP SIGN BELOW SHELTER ROOF: LARGER SIGNS WILL BE INSTALLED OUTSIDE ADJACENT TO SHELTER AS DETERMINED BY SAMTRANS.
20. ALTERNATE OPTION: DIGITAL DISPLAY PANELS IN PLACE OF STATIC ADVERTISING PANEL ON THE LEFT SIDE OF SHELTER. TBD BY SAMTRANS
21. BUS SHELTER AND MONO-POST BASE: PROVIDE ACCOMMODATIONS FOR SLOPE SITES WITH MODIFIED BASE AS NEEDED.

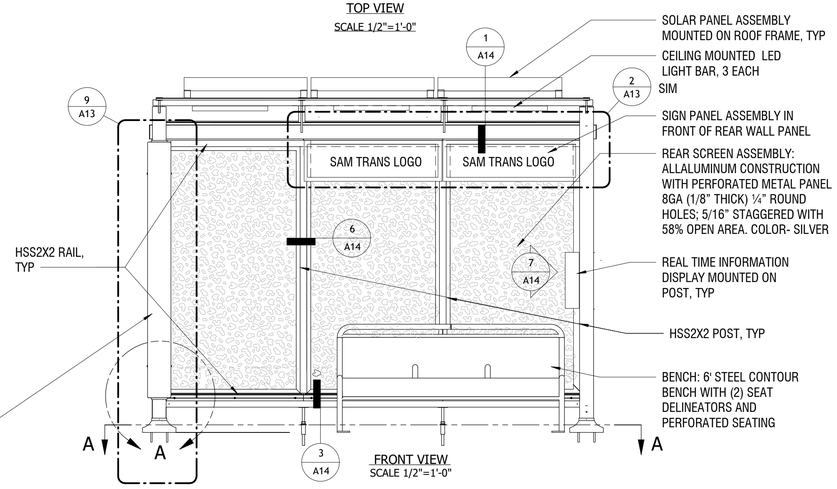
4. FOUR POST SHADE STRUCTURE WITH FOLIAGE PATTERNED STAMPED STEEL WALL PANELS AND CELLULAR POLYCARBONATE ROOF PANELS



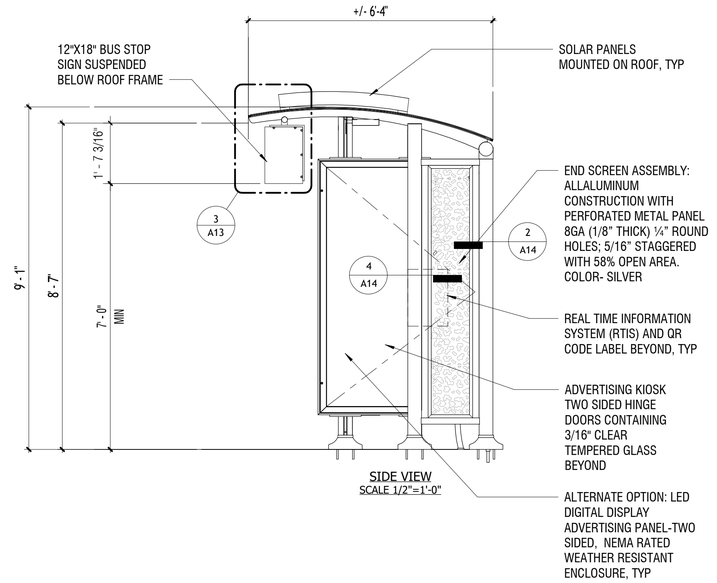


SIDE VIEW
SCALE 1/2"=1'-0"

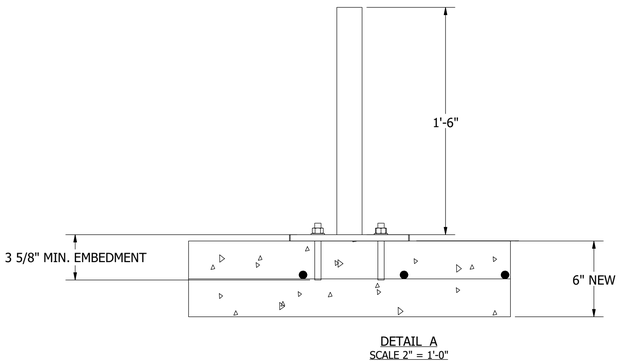
TOP VIEW
SCALE 1/2"=1'-0"



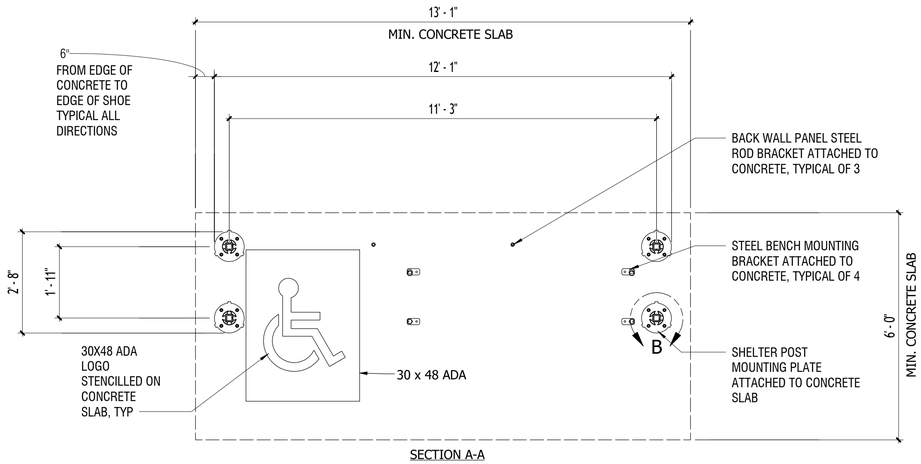
FRONT VIEW
SCALE 1/2"=1'-0"



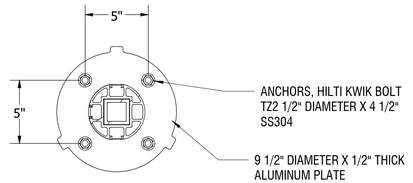
SIDE VIEW
SCALE 1/2"=1'-0"



DETAIL A
SCALE 2" = 1'-0"



SECTION A-A
SCALE 1/2"=1'-0"



DETAIL B
SCALE 2" = 1'-0"

54831-00

REV.	DATE	BY	SUB	APP.	DESCRIPTION
	12/17/2025				FINAL SUBMITTAL

DESIGNED: R. BUTIONG
DRAWN: E. PETRIE
CHECKED: R. BUTIONG
APPROVED: R. CHIANG
DATE: 11/11/25

Fehr & Peers
Fehr and Peers
345 California Street
Suite 450
San Francisco, CA 94104
Main: 415-348-0300
Fax: 415-773-1790

Robin Chiang & Company
381 Tehama Street
San Francisco, CA 94103

STATE OF CALIFORNIA C-20 82 exp. 8-30-27 ROBIN CHIANG REGISTERED ARCHITECT
STAMP

SAN MATEO COUNTY TRANSIT DISTRICT
BUS STOP IMPROVEMENT PLAN

ARCHITECTURAL
BUS SHELTER KIT OF PARTS
FOLIAGE PATTERN

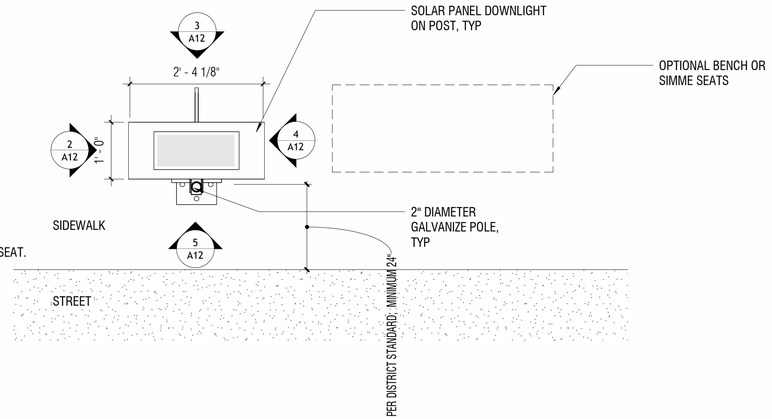
SIZE: D
SCALE: AS NOTED
SHEET NUMBER: **A11**
PAGE NO.

1/12/2026 11:26:26 AM C:\Users\RButiong\Documents\24105 - Sam Tram Bus Stop - New Design_rbutiong@designbythebay.com.rvt

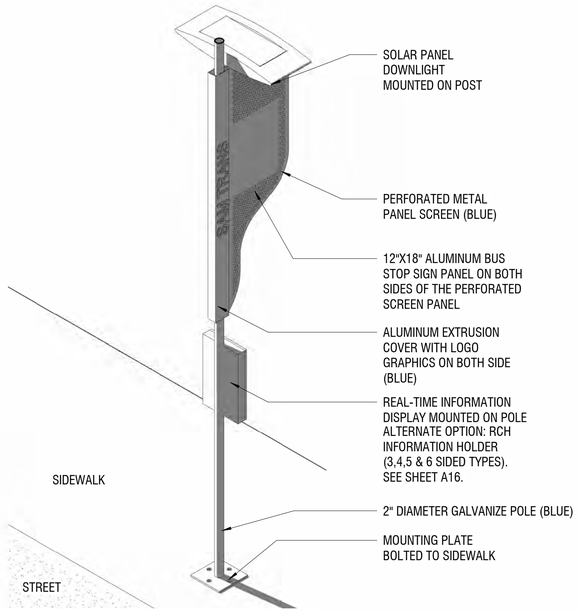
GENERAL NOTES:

1. ALL STRUCTURAL STEEL, UNLESS OTHERWISE NOTED, SHALL BE ASTM A-36, MINIMUM YIELD STRENGTH 36,000 PSI.
2. ALL STRUCTURAL ALUMINUM MEMBERS, UNLESS OTHERWISE NOTED, SHALL BE OF ALLOY 6063-T5 OR GREATER.
3. ALL HOLES TO BE DRILLED OR PUNCHED.
4. STEEL WELDING SHALL CONFORM TO AMERICAN WELDING SOCIETY STANDARD D1. 1-10. ELECTRODES SHALL CONFORM TO AWS 5.1, CLASS E70S-5.
5. ALUMINUM WELDING SHALL CONFORM TO AMERICAN WELDING SOCIETY STANDARD D1. 2-08. ELECTRODES SHALL CONFORM TO AWS/SFA 5.10 CLASS ER4043.
6. ALL WELDING TO BE DONE AT MANUFACTURERS FACILITY.
7. ALL CORPORATE PROCEDURES, INCLUDING FABRICATION, MUST BE IN COMPLIANCE WITH MANUFACTURER'S QUALITY CONTROL MANUAL
8. THE CONCRETE PAD SIZES SHOWN ARE STANDARD MINIMUM REQUIREMENTS FOR THE STRUCTURE AND ARE FOR REFERENCE ONLY. THE PAD MAY NEED TO BE REINFORCED OR ENLARGED DEPENDING ON LOCAL CODES AND LOADING CONDITIONS AND DOES NOT INCLUDE ADA CLEAR PATH REQUIREMENTS.
9. SINGLE PANEL UPGRADE WALL PANEL (LASER CUT FOLIAGE PATTERN) DETAIL SIMILAR TO PERFORATED WALL PANEL DETAILS ON SHEET A013.
10. FOR WINDY CONDITIONS: SEE DETAILS ON SHEET A014 FOR DUAL WALL PANEL WITH LEXAN POLYCARBONATE PANEL IN BETWEEN ASSEMBLY.
11. FOR COLOR AND MATERIAL INFORMATION: REFER TO SHEET A0.
12. BATTERIES TO HAVE NEMA TYPE OF WEATHER PROTECTIVE ENCLOSURE.
13. PAINT SHELTERS: SUPER DURABLE BAKED POWDER COAT ENAMEL FINISH, 5 MIL FINAL THICKNESS. ALTERNATE: SHELTERS AT COASTAL AREAS- 70% FLUROPON 70% PVDF EXTERIOR COATING.
14. GRAPHICS PER SAMTRANS DIRECTION. LOGO DESIGN IS PLACEHOLDER. CREATIVE SERVICES/COMMS TO PROPOSE MORE APPOPRIATE DESIGN/SIGN COPY.
15. ALTERNATE: OPTION/ALTERNATE FOR AD PANEL ON SHELTER BACK PANELS, TYPICAL.
16. REFER TO SHEET A15 FOR AMENITY ACCESSORIES (BENCH, TRASH RECEPTACLE, REAL TIME INFORMATION PANEL, PERCH SEATING AND SIMME SEAT.
17. REFER TO SHEET A16 FOR AMENITY ACCESSORIES ALTERNATE SINGLE PANEL RCH INFORMATION HOLDER INSTEAD OF REAL TIME INFORMATION PANEL AT BUS SHELTER.
18. QR CODE 3"X3" LABEL ON METAL PLATE FRAME MOUNTED ON SHELTER POST; MAXIMUM 48" ABOVE FINISH SLAB, TYPICAL.
19. BUS STOP SIGN BELOW SHELTER ROOF: LARGER SIGNS WILL BE INSTALLED OUTSIDE ADJACENT TO SHELTER AS DETERMINED BY SAMTRANS.
20. ALTERNATE OPTION: DIGITAL DISPLAY PANELS IN PLACE OF STATIC ADVERTISING PANEL ON THE LEFT SIDE OF SHELTER. TBD BY SAMTRANS
21. BUS SHELTER AND MONO-POST BASE: PROVIDE ACCOMMODATIONS FOR SLOPE SITES WITH MODIFIED BASE AS NEEDED.

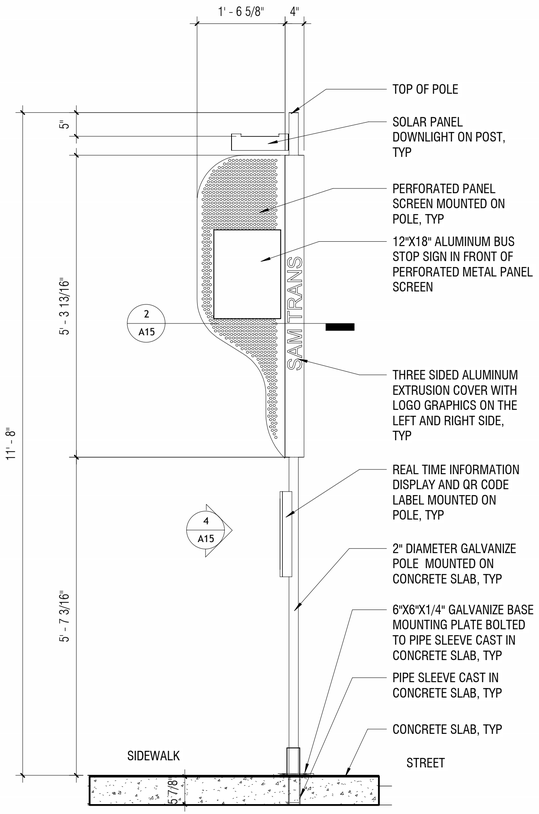
5. MONO-POST BUS STOP POLE



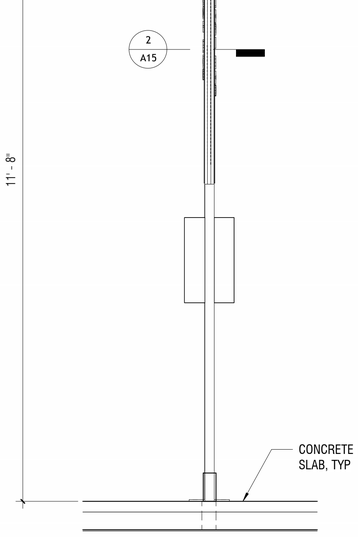
PLAN DETAIL OF MONO POST BUS POLE ASSEMBLY — 1 / A12
SCALE: 3/4" = 1'-0"



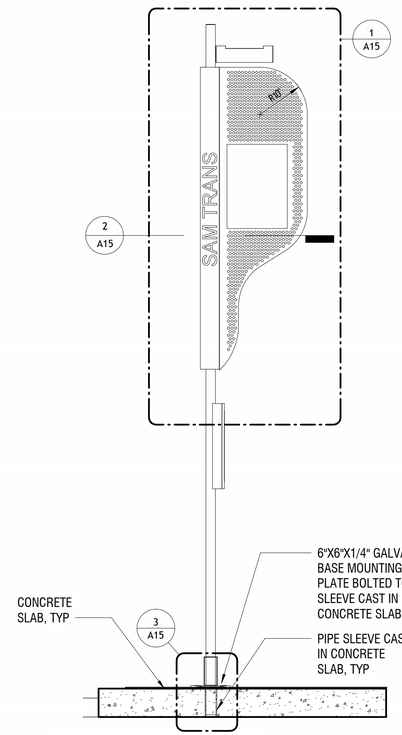
ISOMETRIC VIEW OF MONO-POST BUS POLE ASSEMBLY — 6 / A12
SCALE:



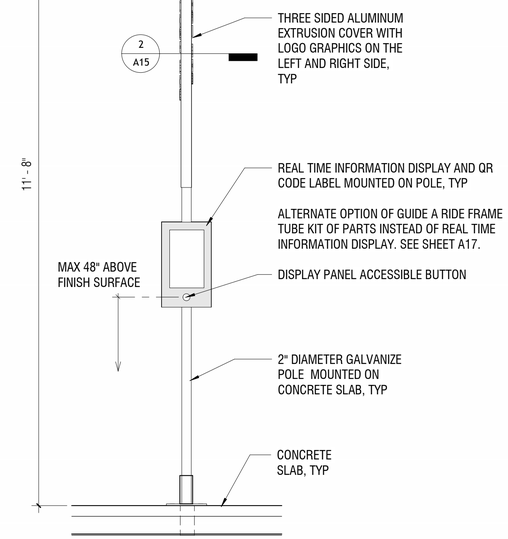
LEFT SIDE ELEVATION — 2 / A12
SCALE: 3/4" = 1'-0"



STREETSIDE ELEVATION — 3 / A12
SCALE: 3/4" = 1'-0"



RIGHT SIDE ELEVATION — 4 / A12
SCALE: 3/4" = 1'-0"



SIDEWALK SIDE ELEVATION — 5 / A12
SCALE: 3/4" = 1'-0"

REV.	DATE	BY	SUB	APP.	DESCRIPTION
	12/17/2025				FINAL SUBMITTAL

DESIGNED: R. BUTIONG
DRAWN: E. PETRIE
CHECKED: R. BUTIONG
APPROVED: R. CHIANG
DATE: 11/11/25

Fehr & Peers
Fehr and Peers
345 California Street
Suite 450
San Francisco, CA 94104
Main: 415-348-0300
Fax: 415-773-1790

Robin Chiang & Company
381 Tehama Street
San Francisco, CA 94103

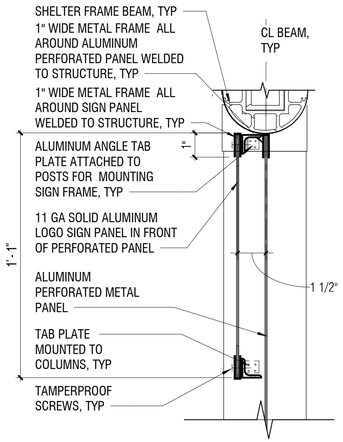
STAMP: STATE OF CALIFORNIA C30182 exp. 6-30-27 ROBIN CHIANG REGISTERED ARCHITECT

SAN MATEO COUNTY TRANSIT DISTRICT
BUS STOP IMPROVEMENT PLAN

ARCHITECTURAL
BUS SHELTER KIT OF PARTS

MONO-POST BUS STOP POLE

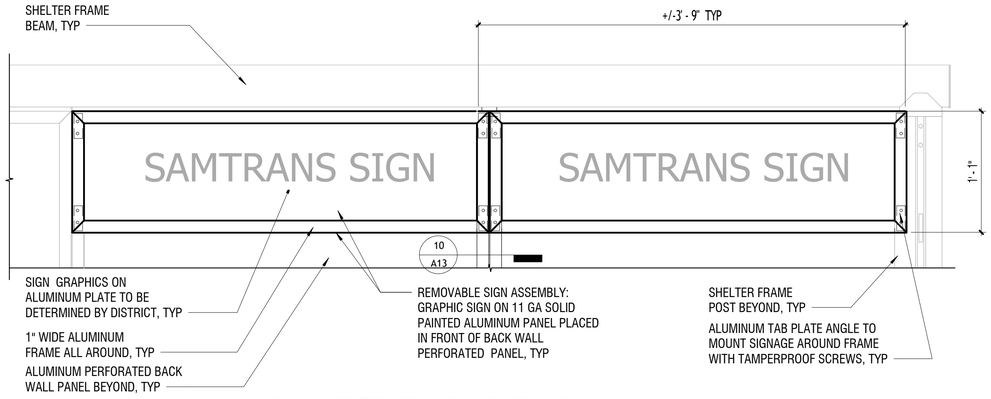
SIZE: D | SCALE: AS NOTED
SHEET NUMBER: **A12**
PAGE NO.



SIGN PANEL SECTION DETAIL 1

SCALE: 3" = 1'-0"

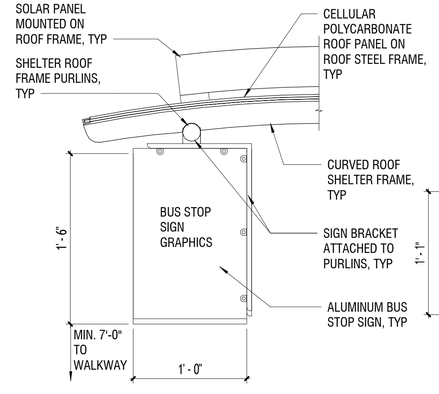
1 A13 A13



BUS SHELTER SIGN PANEL FRONT ELEVATION

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

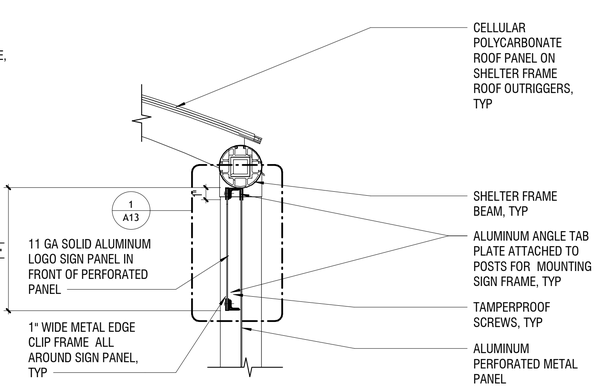
2 A13 A06



BUS STOP SIGN ELEVATION DETAIL

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

3 A13 A06

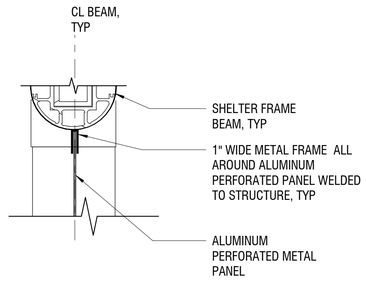


SECTION DETAIL: REMOVABLE SIGN IN FRONT OF PERFORATED PANEL

SIGN PANEL SECTION DETAIL

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

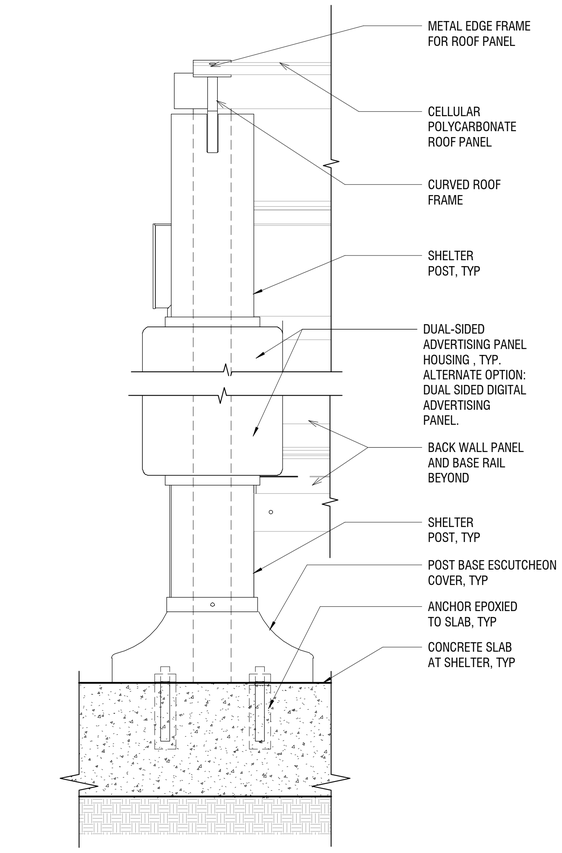
4 A13 A06



PERFORATED PANEL TOP SECTION DETAIL

SCALE: 3" = 1'-0"

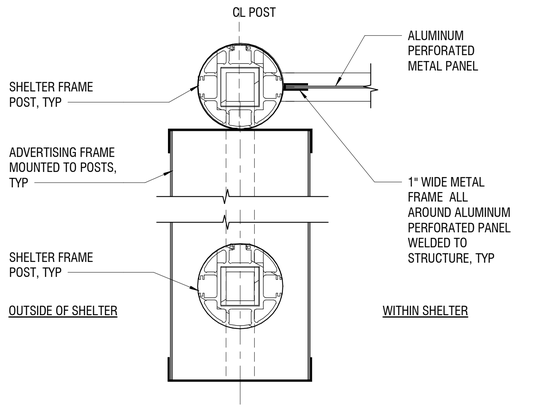
5 A13 A06



BUS SHELTER POST AT AD PANEL

SCALE: 3" = 1'-0"

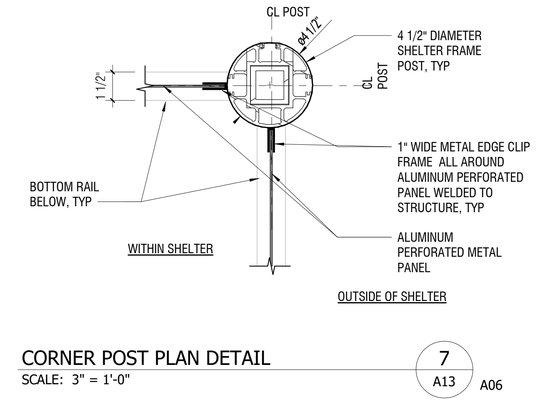
9 A13 A06



CORNER POST AT ADVERTISING PANEL PLAN DETIAL

SCALE: 3" = 1'-0"

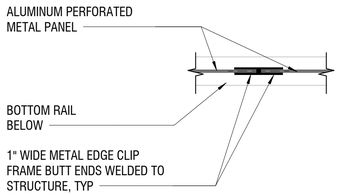
6 A13 A06



CORNER POST PLAN DETAIL

SCALE: 3" = 1'-0"

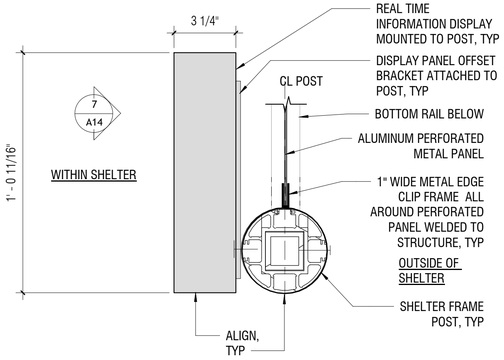
7 A13 A06



PANEL TO PANEL PLAN DETAIL

SCALE: 3" = 1'-0"

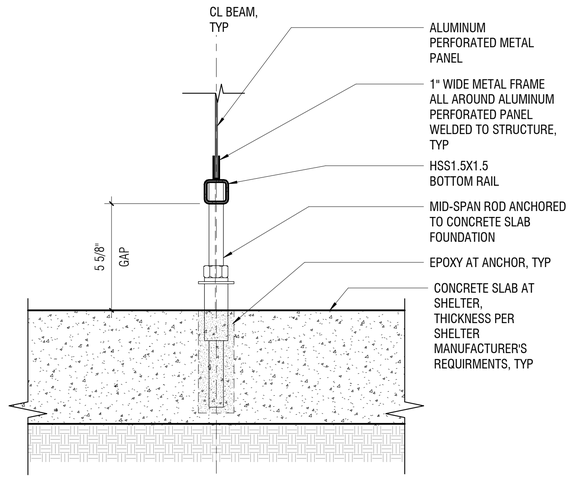
10 A13 A06



FRONT POST AT REAL TIME INFORMATION PANEL

SCALE: 3" = 1'-0"

11 A13 A06



PERFORATED PANEL BASE SECTION DETAIL

SCALE: 3" = 1'-0"

8 A13 A06

REV.	DATE	BY	SUB	APP.	DESCRIPTION
	12/17/2025				FINAL SUBMITTAL

DESIGNED: R. BUTIONG
DRAWN: E. PETRIE
CHECKED: R. BUTIONG
APPROVED: R. CHIANG
DATE: 11/11/25

Fehr & Peers
Fehr and Peers
345 California Street
Suite 450
San Francisco, CA 94104
Main: 415-348-0300
Fax: 415-773-1790

Robin Chiang & Company
381 Tehama Street
San Francisco, CA 94103

STATE OF CALIFORNIA C-30182 exp. 9-30-27 ROBIN CHIANG REGISTERED ARCHITECT
STAMP

SAN MATEO COUNTY TRANSIT DISTRICT
BUS STOP IMPROVEMENT PLAN

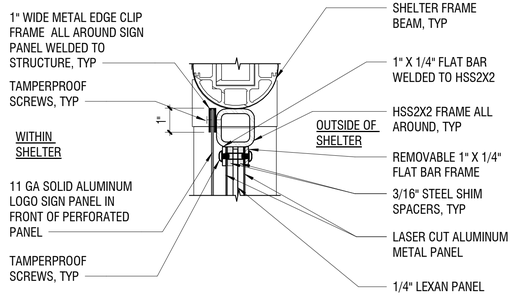
ARCHITECTURAL
BUS SHELTER KIT OF PARTS

BUS SHELTER DETAILS

SIZE: D | SCALE: AS NOTED

SHEET NUMBER: **A13**

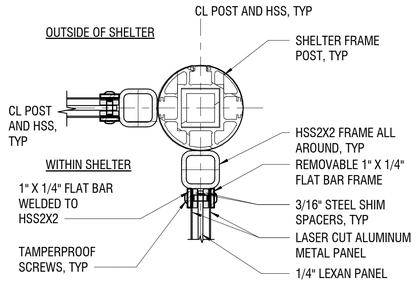
PAGE NO.



WIND COVER PANEL ASSEMBLY- TOP RAIL DETAIL

SCALE: 3" = 1'-0"

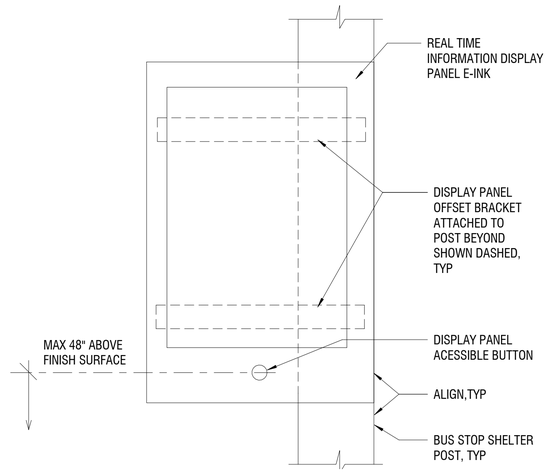
1 / A14 — A11



WIND COVER PANEL ASSEMBLY CORNER POST PLAN DETAIL

SCALE: 3" = 1'-0"

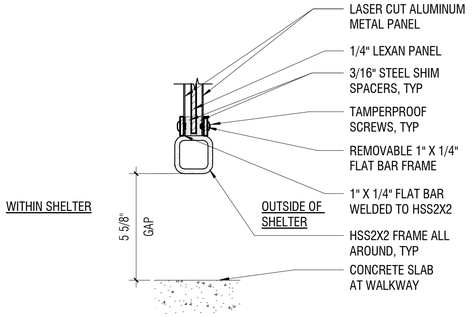
2 / A14 — A11



REAL TIME INFORMATION DISPLAY PANEL ELEVATION

SCALE: 3" = 1'-0"

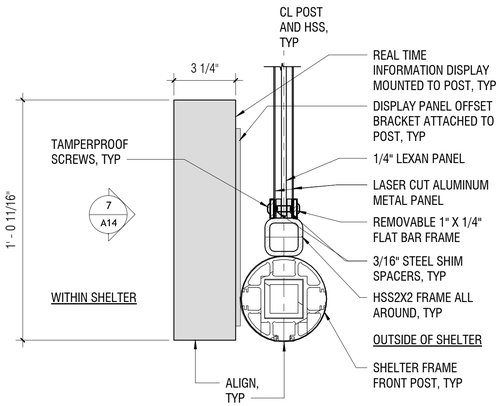
7 / A14 — A11



WIND COVER PANEL ASSEMBLY BASE DETAIL

SCALE: 3" = 1'-0"

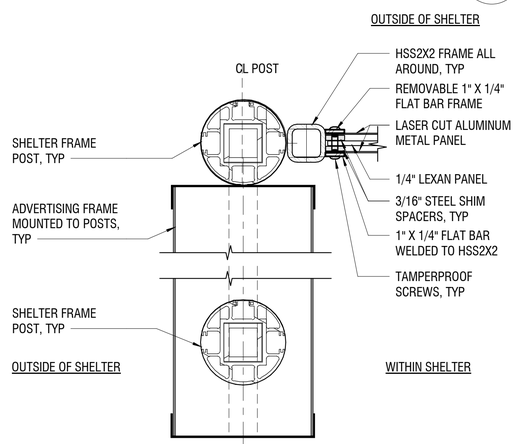
3 / A14 — A11



WIND COVER PANEL ASSEMBLY FRONT POST PLAN DETAIL

SCALE: 3" = 1'-0"

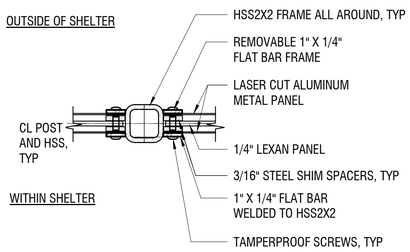
4 / A14 — A11



PLAN DETAIL AT SHELTER AD PANEL SIDE

SCALE: 3" = 1'-0"

5 / A14 — A11



PERFORATED WALL PANEL TO PANEL PLAN DETAIL

SCALE: 3" = 1'-0"

6 / A14 — A11

REV.	DATE	BY	SUB	APP.	DESCRIPTION
	12/17/2025				FINAL SUBMITTAL

DESIGNED: R. BUTIONG
DRAWN: E. PETRIE
CHECKED: R. BUTIONG
APPROVED: R. CHIANG
DATE: 11/11/25

Fehr & Peers
Fehr and Peers
345 California Street
Suite 450
San Francisco, CA 94104
Main: 415-348-0300
Fax: 415-773-1790

Robin Chiang & Company
381 Tehama Street
San Francisco, CA 94103

STAMP: STATE OF CALIFORNIA C31432 exp. 8-30-27 ROBIN CHIANG REGISTERED ARCHITECT

SAN MATEO COUNTY TRANSIT DISTRICT
BUS STOP IMPROVEMENT PLAN

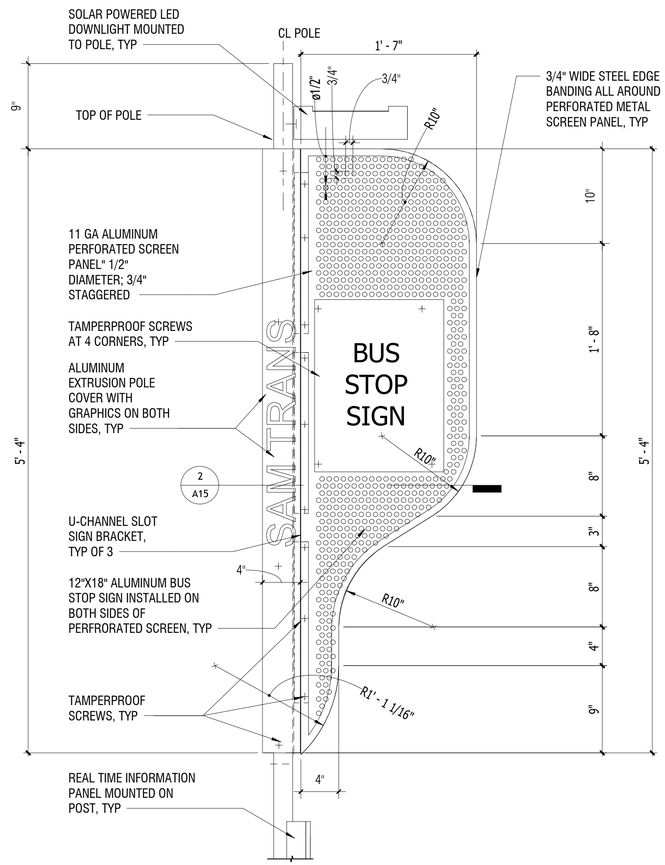
ARCHITECTURAL
BUS SHELTER KIT OF PARTS

BUS SHELTER DETAILS-WIND COVER ASSEMBLY

SIZE: D | SCALE: AS NOTED

SHEET NUMBER: **A14**

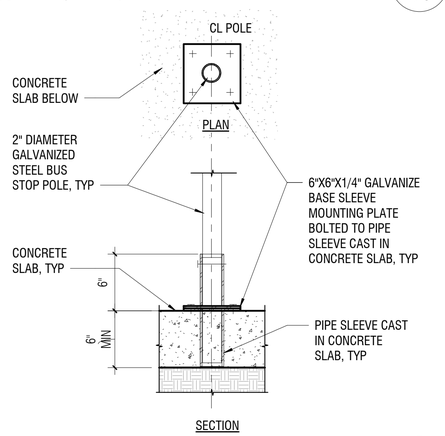
PAGE NO.



BUS STOP POLE SCREEN ELEVATION DETAIL

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

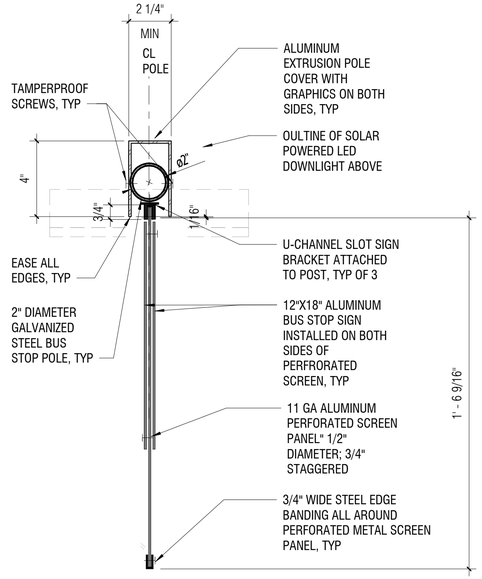
1 / A15 A12



BUS STOP POLE BASE DETAIL

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

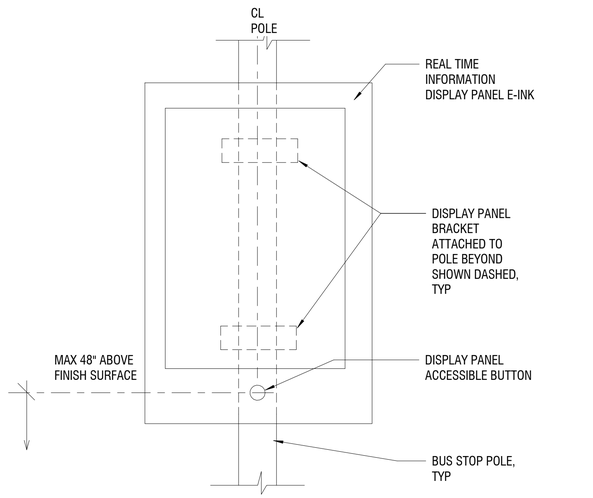
3 / A15 A12



BUS STOP POLE PLAN DETAIL

SCALE: 3" = 1'-0"

2 / A15 A12



REAL TIME INFORMATION DISPLAY PANEL ELEVATION AT BUS STOP POLE

SCALE: 3" = 1'-0"

4 / A15 A12

REV.	DATE	BY	SUB	APP.	DESCRIPTION
	12/17/2025				FINAL SUBMITTAL

DESIGNED: R. BUTIONG
DRAWN: E. PETRIE
CHECKED: R. BUTIONG
APPROVED: R. CHIANG
DATE: 11/11/25

Fehr & Peers
Fehr and Peers
345 California Street
Suite 450
San Francisco, CA 94104
Main: 415-348-0300
Fax: 415-773-1790

Robin Chiang & Company
381 Tehama Street
San Francisco, CA 94103

STAMP: STATE OF CALIFORNIA C-30152 exp. 9-30-27 ROBIN CHIANG REGISTERED ARCHITECT

SAN MATEO COUNTY TRANSIT DISTRICT
BUS STOP IMPROVEMENT PLAN

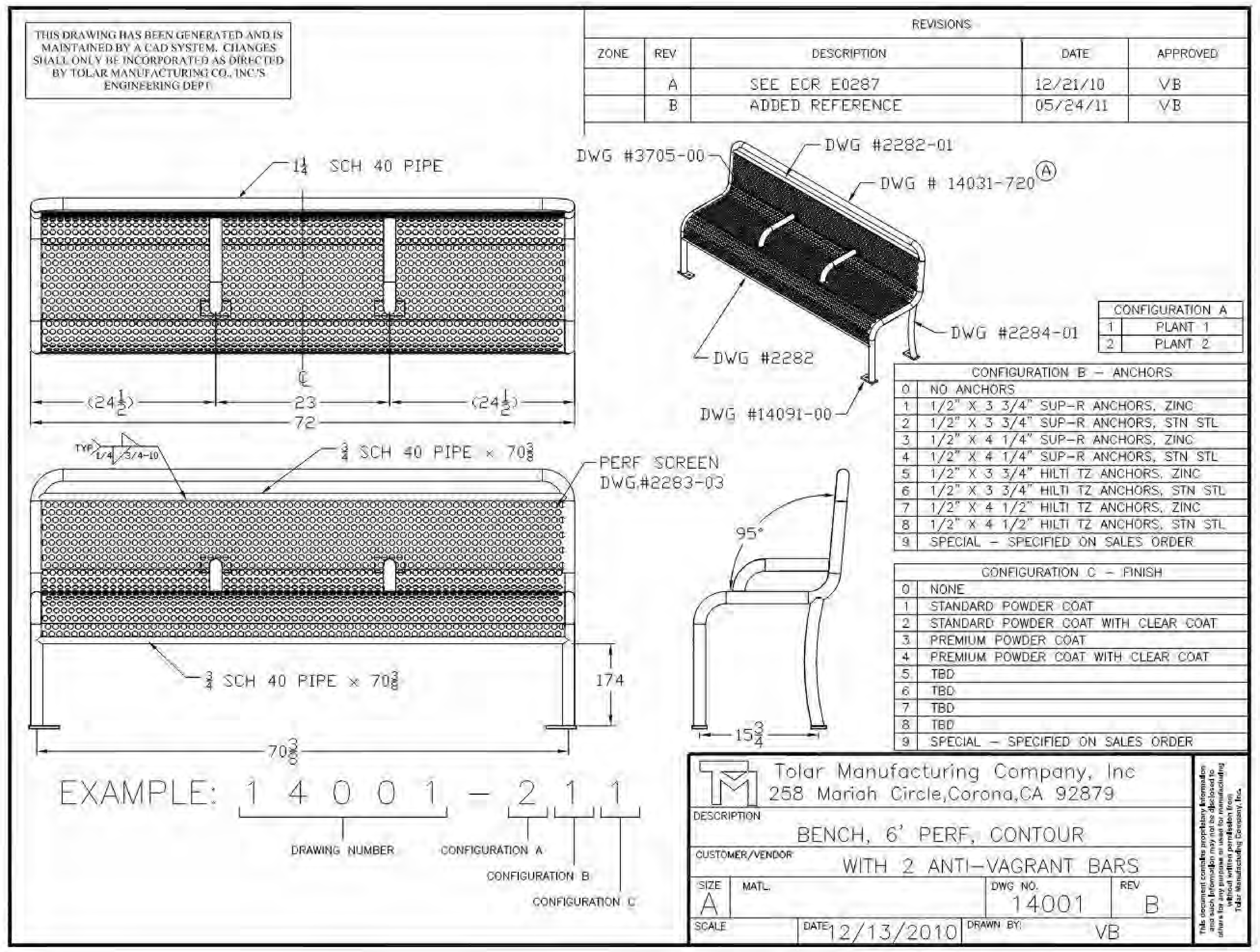
ARCHITECTURAL
BUS SHELTER KIT OF PARTS

MONO POST BUS STOP POLE DETAILS

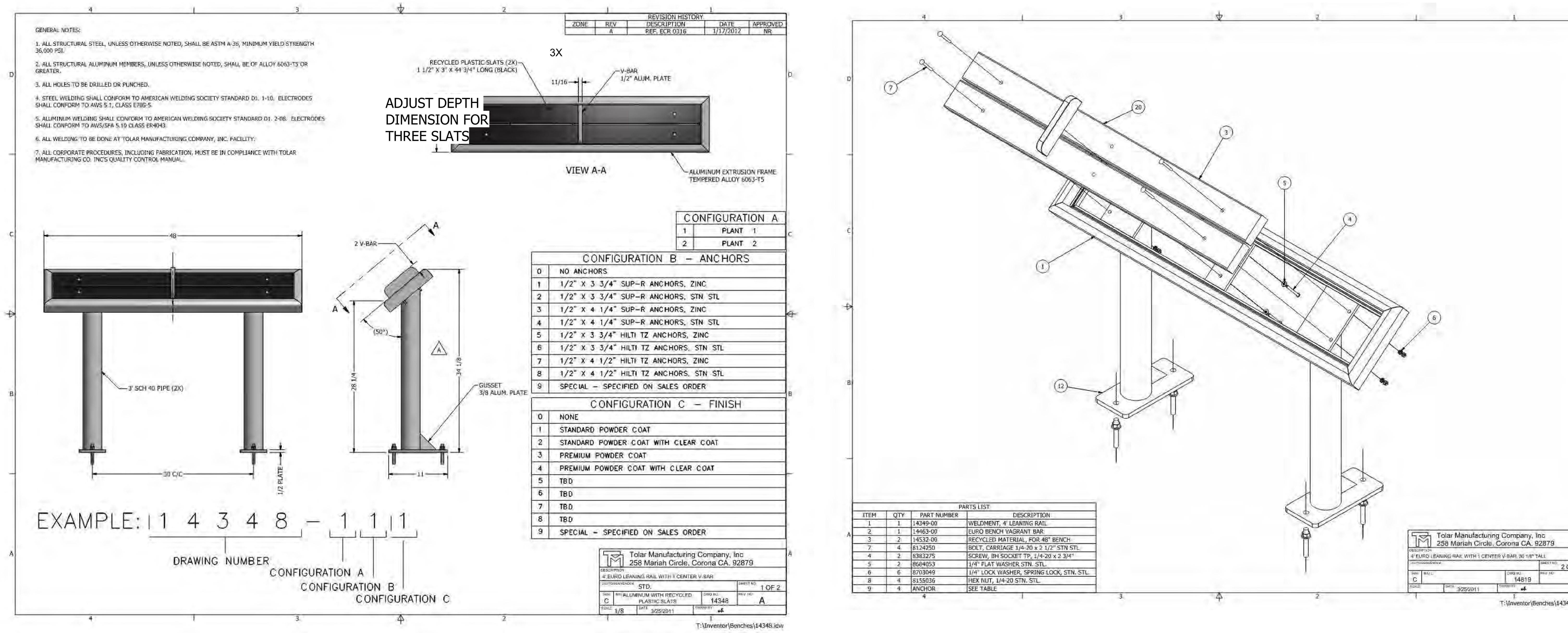
SIZE: D | SCALE: AS NOTED

SHEET NUMBER: **A15**

PAGE NO.

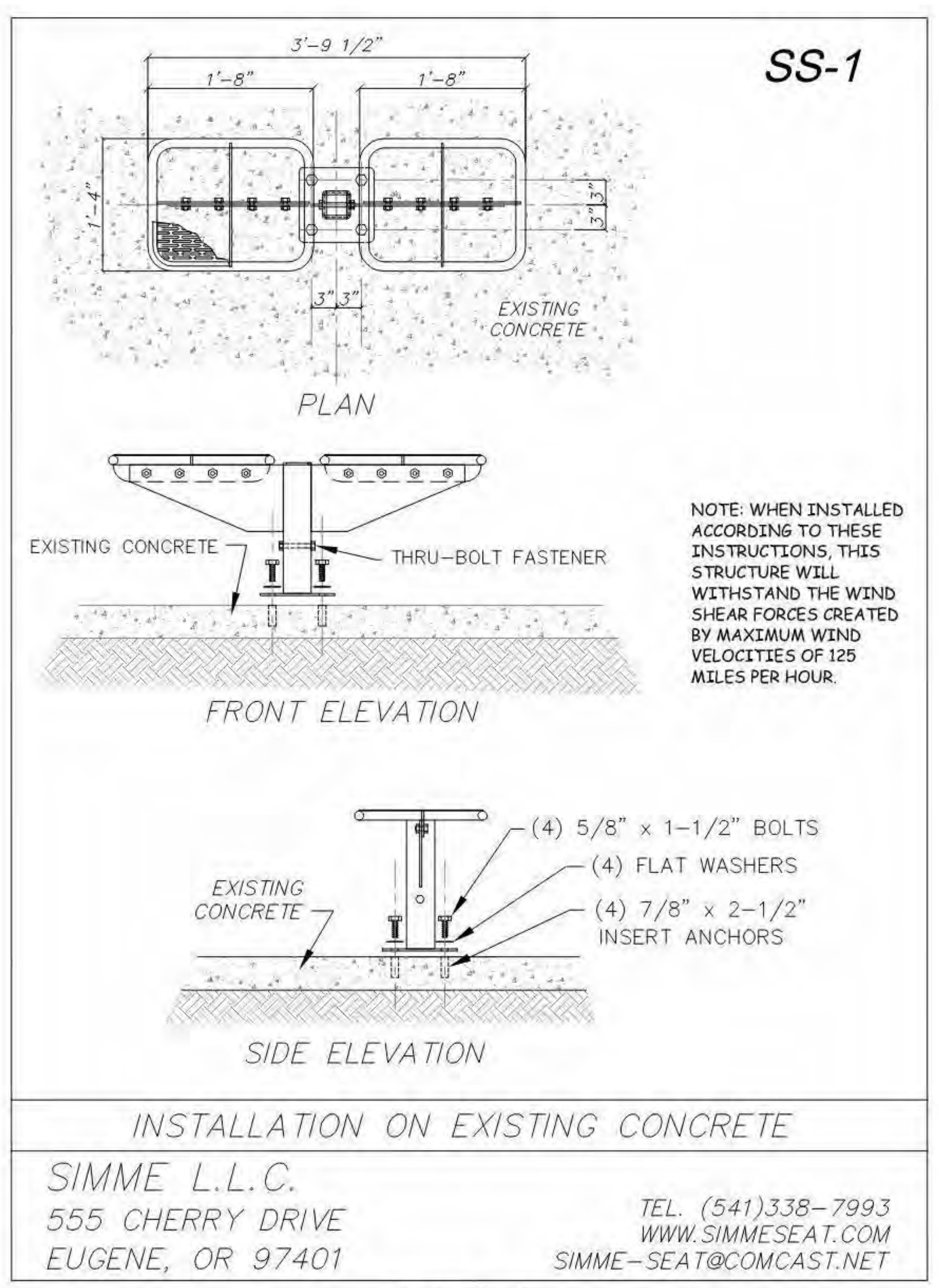

THIS DRAWING HAS BEEN GENERATED AND IS MAINTAINED BY A CAD SYSTEM. CHANGES SHALL ONLY BE INCORPORATED AS DIRECTED BY TOLAR MANUFACTURING CO., INC'S ENGINEERING DEPT.
REVISIONS
A SEE ECR E0287 12/21/10 VB
B ADDED REFERENCE 05/24/11 VB
1¼ SCH 40 PIPE
DWG #3705-00
DWG #2282-01
DWG # 14031-720
DWG #2284-01
DWG #2282
DWG #14091-00
PERF SCREEN DWG.#2283-03
CONFIGURATION A
1 PLANT 1
2 PLANT 2
CONFIGURATION B – ANCHORS
0 NO ANCHORS
1 1/2" X 3 3/4" SUP-R ANCHORS, ZINC
2 1/2" X 3 3/4" SUP-R ANCHORS, STN STL
3 1/2" X 4 1/4" SUP-R ANCHORS, ZINC
4 1/2" X 4 1/4" SUP-R ANCHORS, STN STL
5 1/2" X 3 3/4" HILTI TZ ANCHORS, ZINC
6 1/2" X 3 3/4" HILTI TZ ANCHORS, STN STL
7 1/2" X 4 1/2" HILTI TZ ANCHORS, ZINC
8 1/2" X 4 1/2" HILTI TZ ANCHORS, STN STL
9 SPECIAL – SPECIFIED ON SALES ORDER
CONFIGURATION C – FINISH
0 NONE
1 STANDARD POWDER COAT
2 STANDARD POWDER COAT WITH CLEAR COAT
3 PREMIUM POWDER COAT
4 PREMIUM POWDER COAT WITH CLEAR COAT
5 TBD
6 TBD
7 TBD
8 TBD
9 SPECIAL – SPECIFIED ON SALES ORDER
EXAMPLE: 1 4 0 0 1 – 2 1 1
DRAWING NUMBER
CONFIGURATION A
CONFIGURATION B
CONFIGURATION C
Tolar Manufacturing Company, Inc
258 Mariah Circle,Corona,CA 92879
BENCH, 6' PERF, CONTOUR WITH 2 ANTI-VAGRANT BARS
14001
12/13/2010
VB

A: BENCH

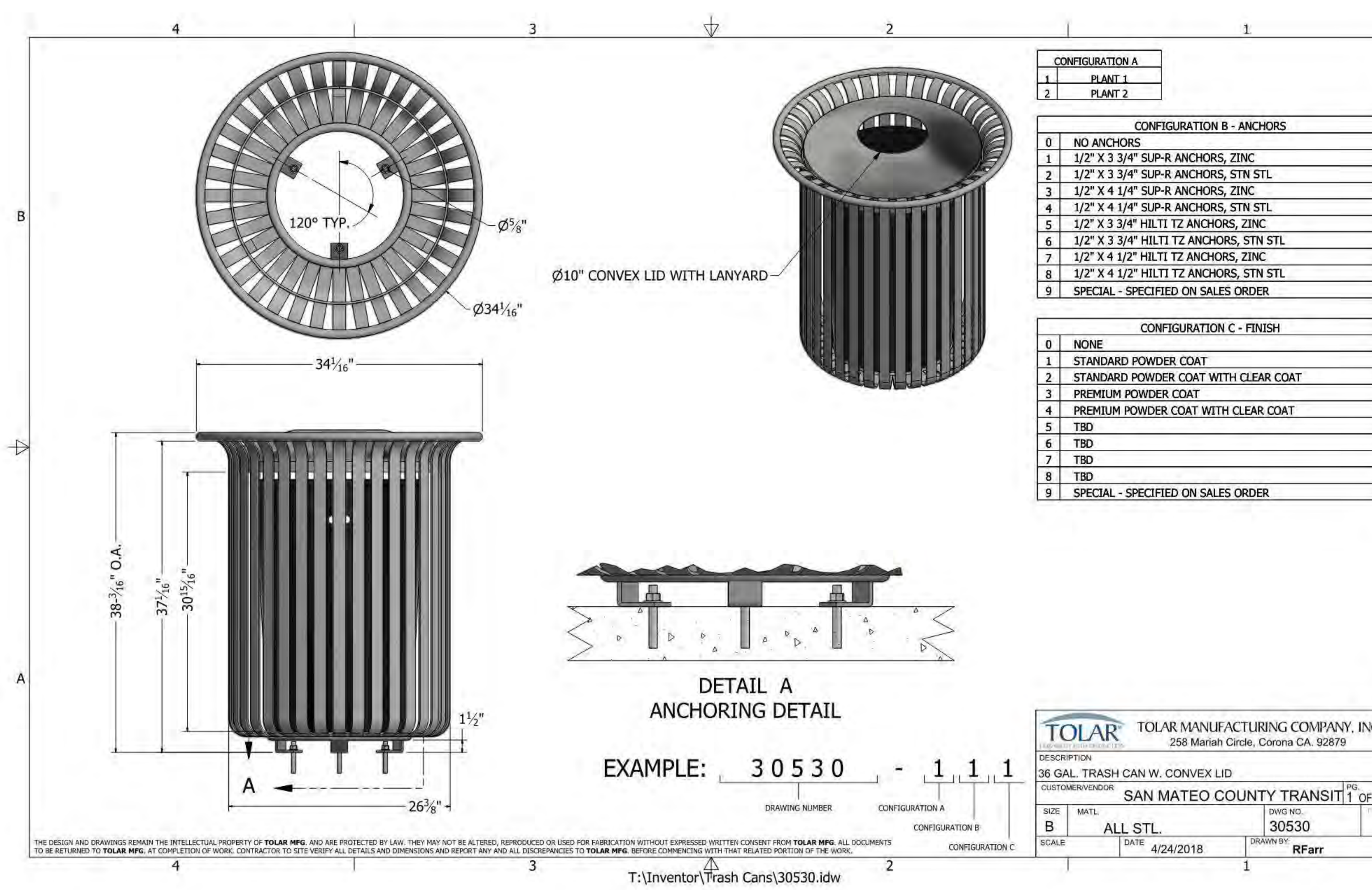

GENERAL NOTES:
ADJUST DEPTH DIMENSION FOR THREE SLATS
3X
VIEW A-A
CONFIGURATION A
1 PLANT 1
2 PLANT 2
CONFIGURATION B – ANCHORS
0 NO ANCHORS
1 1/2" X 3 3/4" SUP-R ANCHORS, ZINC
2 1/2" X 3 3/4" SUP-R ANCHORS, STN STL
3 1/2" X 4 1/4" SUP-R ANCHORS, ZINC
4 1/2" X 4 1/4" SUP-R ANCHORS, STN STL
5 1/2" X 3 3/4" HILTI TZ ANCHORS, ZINC
6 1/2" X 3 3/4" HILTI TZ ANCHORS, STN STL
7 1/2" X 4 1/2" HILTI TZ ANCHORS, ZINC
8 1/2" X 4 1/2" HILTI TZ ANCHORS, STN STL
9 SPECIAL – SPECIFIED ON SALES ORDER
CONFIGURATION C – FINISH
0 NONE
1 STANDARD POWDER COAT
2 STANDARD POWDER COAT WITH CLEAR COAT
3 PREMIUM POWDER COAT
4 PREMIUM POWDER COAT WITH CLEAR COAT
5 TBD
6 TBD
7 TBD
8 TBD
9 SPECIAL – SPECIFIED ON SALES ORDER
EXAMPLE: 1 4 3 4 8 – 1 1 1
DRAWING NUMBER
CONFIGURATION A
CONFIGURATION B
CONFIGURATION C
Tolar Manufacturing Company, Inc
258 Mariah Circle, Corona CA. 92879
PARTS LIST

B: PERCH SEATING

NOTE: MODIFIED PERCH SEATING WITH THREE SLATS


SS-1
3'-9 1/2"
1'-8"
1'-8"
EXISTING CONCRETE
PLAN
EXISTING CONCRETE
THRU-BOLT FASTENER
NOTE: WHEN INSTALLED ACCORDING TO THESE INSTRUCTIONS, THIS STRUCTURE WILL WITHSTAND THE WIND SHEAR FORCES CREATED BY MAXIMUM WIND VELOCITIES OF 125 MILES PER HOUR.
FRONT ELEVATION
(4) 5/8" x 1-1/2" BOLTS
(4) FLAT WASHERS
(4) 7/8" x 2-1/2" INSERT ANCHORS
EXISTING CONCRETE
SIDE ELEVATION
INSTALLATION ON EXISTING CONCRETE
SIMME L.L.C.
555 CHERRY DRIVE
EUGENE, OR 97401
TEL. (541)338-7993
WWW.SIMMESEAT.COM
SIMME-SEAT@COMCAST.NET
Appendix 1

C: SIMME SEAT


120° TYP.
Ø10" CONVEX LID WITH LANYARD
34 1/16"
DETAIL A
ANCHORING DETAIL
CONFIGURATION A
1 PLANT 1
2 PLANT 2
CONFIGURATION B - ANCHORS
0 NO ANCHORS
1 1/2" X 3 3/4" SUP-R ANCHORS, ZINC
2 1/2" X 3 3/4" SUP-R ANCHORS, STN STL
3 1/2" X 4 1/4" SUP-R ANCHORS, ZINC
4 1/2" X 4 1/4" SUP-R ANCHORS, STN STL
5 1/2" X 3 3/4" HILTI TZ ANCHORS, ZINC
6 1/2" X 3 3/4" HILTI TZ ANCHORS, STN STL
7 1/2" X 4 1/2" HILTI TZ ANCHORS, ZINC
8 1/2" X 4 1/2" HILTI TZ ANCHORS, STN STL
9 SPECIAL - SPECIFIED ON SALES ORDER
CONFIGURATION C - FINISH
0 NONE
1 STANDARD POWDER COAT
2 STANDARD POWDER COAT WITH CLEAR COAT
3 PREMIUM POWDER COAT
4 PREMIUM POWDER COAT WITH CLEAR COAT
5 TBD
6 TBD
7 TBD
8 TBD
9 SPECIAL - SPECIFIED ON SALES ORDER
EXAMPLE: 30530 - 1 1 1
TOLAR MANUFACTURING COMPANY, INC
258 Mariah Circle, Corona CA. 92879
36 GAL. TRASH CAN W. CONVEX LID
SAN MATEO COUNTY TRANSIT
30530
ALL STL.
4/24/2018
RFarr
T:\Inventor\Trash Cans\30530.idw

D: TRASH RECEPTACLE

REV.	DATE	BY	SUB	APP.	DESCRIPTION
	12/17/2025				FINAL SUBMITTAL

DESIGNED: R. BUTIONG
DRAWN: E. PETRIE
CHECKED: R. BUTIONG
APPROVED: R. CHIANG
DATE: 11/11/25

Fehr & Peers
Fehr and Peers
345 California Street
Suite 450
San Francisco, CA 94104
Main: 415-348-0300
Fax: 415-773-1790

Robin Chiang & Company
381 Tehama Street
San Francisco, CA 94103

STATE OF CALIFORNIA REGISTERED ARCHITECT ROBIN CHIANG C-10152 exp. 9-30-27
STAMP

SAN MATEO COUNTY TRANSIT DISTRICT
BUS STOP IMPROVEMENT PLAN

ARCHITECTURAL BUS SHELTER KIT OF PARTS
AMENITY ACCESSORIES

SIZE: D
SCALE: AS NOTED
SHEET NUMBER: A16
PAGE NO.

C:\Users\RButiong\Documents\24105 - Sam Tram Bus Stop - New Design_rbutiong@designbythebay.com.rvt
1/12/2026 11:26:36 AM

PAPERCAST®

PRODUCT INFORMATION

13" Outdoor E-paper Display

Ruggedized IK09 and IP67 rated outdoor e-paper displays are supplied in an aluminium enclosure with toughened front glass, optimised for pole mount or to any other fixed surface. With wireless, battery and solar capabilities as standard, all models come with optional illumination, interactive functions and text-to-speech modules

GENERAL	
Dimensions	469 x 269 x 65 mm
Weight	7 kg
Mounting type	Round Post / Square Post / Wall
Enclosure colour	Bezel: RAL 9005 (Jet Black); Interpon 610 – Bismuth (Textured) / Custom Colours

DISPLAY	
Greyscale:	
Active display area	267 x 200 mm
Display resolution (Pixels)	1600 x 1200
Grey levels	16
Colour:	
Active display area	267 x 200 mm
Display resolution (Pixels)	1600 x 1200
Displayed colour	4096
Illumination (optional)	Embedded LED front illumination, adjustable
Mean time before failure	>12 years (At 20°C and 65% Humidity)

ENVIRONMENT	
Operating temp (Greyscale)	-20°C – 70°C
Operating temp (Colour)	-15°C – 65°C

POWER OPTIONS	
Solar power	20W or 40W 24Ah or 48Ah
Integrated rechargeable battery	–
Long-life battery	LiSoCl2 14.4v 133Ah
Mains power	90-250Vac 50-60hz to 12vdc 5A
Street light power	90-250Vac 50-60hz to 12vdc 24Ah LiFePO
Power over Ethernet (PoE)	IEEE 802.3af standard

CONNECTIVITY OPTIONS	
Cellular network:	2G, 3G, 4G, LTE
WiFi (optional)	Dual band (2.4/5 GHz) 802.11 ac/b/g/n
Ethernet (optional)	10/100/1000 Mbps
Bluetooth (optional)	Bluetooth 4.1

ACCESSIBILITY	
Text-to-speech (optional)	✓
External push button (optional)	✓
Braille button ID (optional)	✓

CERTIFICATIONS	
Certificate of Conformity (CE)	✓
Certificate of Conformity (UL)	✓
IP67 Ingress Protection Rating	✓
IK09 Impact Protection Rating	✓

MANAGEMENT & CONTROL

Real-time data intergration: GTFS, SIRI, API open standards, bespoke

Content management: Fully configurable graphical area, award-winning design system, defined & custom layouts & templates, Paperstore app & widget library

Device control: Set-up, power, connectivity, activity periods, content mode, illumination, text-to-speech, interactive modes

Monitoring & diagnostics: Temperature, humidity, power status, data consumption, movement detection, analytics & reporting

Alarms & notifications: Via text, email or dashboard for various alert conditions

Papercast Limited
123 Buckingham Palace Road, London, SW1W 9SH, United Kingdom
t +44 (0) 20 7043 1355 e info@papercast.com w papercast.com

E: REAL TIME INFORMATION DISPLAY

TRANSIT INFORMATION PRODUCTS

RCH INFORMATION HOLDERS

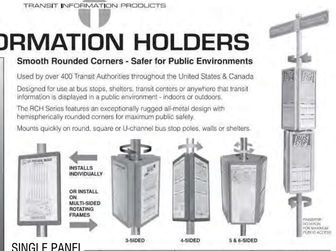
Smooth Rounded Corners - Safer for Public Environments

Used by over 400 Transit Authorities throughout the United States & Canada

Designed for use at bus stops, shelters, transit centers or anywhere that transit information is displayed in a public environment - indoors or outdoors.

The RCH Series features an exceptionally rugged all-metal design with hemispherically rounded corners for maximum public safety.

Mounts quickly on round, square or U-channel bus stop poles, walls or shelters.

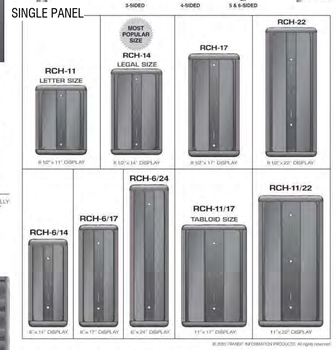


RCH Features

- Modular design allows you to post as little or as much info as needed at a bus stop.
- Available with 3, 4, 5 and 6-sided rotating kiosk frames
- 180 custom colors available
- Fully recessed stainless steel tamper-proof cap locking screws
- Rugged aluminum construction with durable powdercoat finish

LARGE FORMAT
RCH MAP CASE
24" x 36" Display
Smooth Rounded Corners
INSTALLS VERTICALLY OR HORIZONTALLY
CUSTOM SIZES AVAILABLE

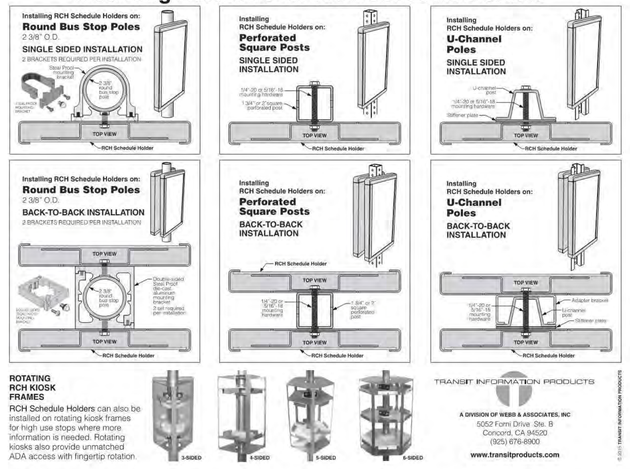
SINGLE PANEL



TRANSIT INFORMATION PRODUCTS
A DIVISION OF WEBB & ASSOCIATES, INC
5052 FORNI DR., STE. B • CONCORD, CA 94520
(925) 676-8900
Fax (925) 676-3030
www.transitproducts.com

F: GUIDE A RIDE SPECIFICATIONS

Mounting Hardware for RCH Schedule Holders



ROTATING RCH KIOSK FRAMES

RCH Schedule Holders can also be installed on rotating kiosk frames for high use stops where more information is needed. Rotating kiosks also provide unmatched ADA access with fingertip rotation.

TRANSIT INFORMATION PRODUCTS

A DIVISION OF WEBB & ASSOCIATES, INC
5052 Forni Drive, Ste. B
Concord, CA 94520
(925) 676-8900
www.transitproducts.com

NOTE:
1. SINGLE PANEL RCH INFORMATION HOLDER: ALTERNATE OPTION FOR REAL TIME INFORMATION PANEL MOUNTED ON BUS SHELTER POST. INSTALL AT LOCATIONSWHERE NO ELECTRICAL POWER IS AVAILABLE.
2. 3-SIDED, 4-SIDED, 5 & 6 SIDED RCH INFORMATION HOLDER: ALTERNATE OPTION FOR MONO-POST BUS STOP POLE.

RMS RAD PV Shelter

urbansolar TOLAR

Exploded View Example of a Typical System

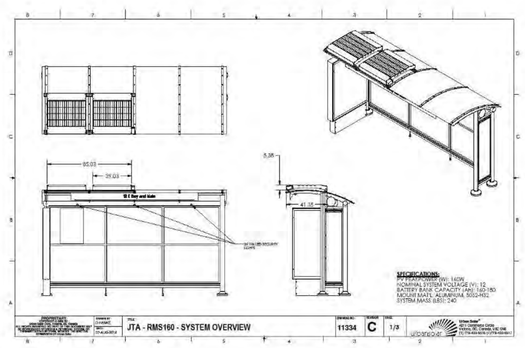


Figure 1.

G: ROOF MOUNTED SOLAR PANEL

RMS RAD PV Shelter

urbansolar TOLAR

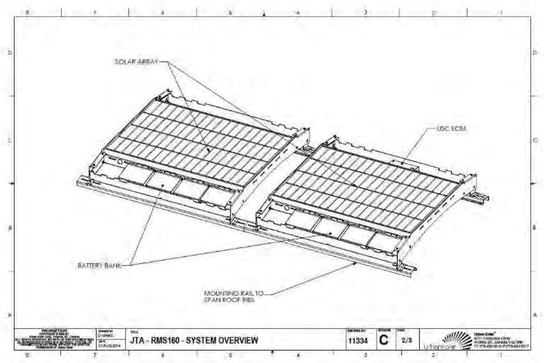
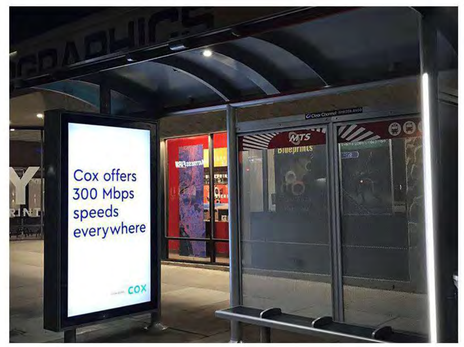


Figure 2.

DSTD-21

This 17-ft Sunset bus shelter provides 86 inches of digital advertising space via a display on its end wall. The bus shelter is supported by aluminum support posts protected by spun escutcheon shoe covers. Ther perforated aluminum rear and end wall showcase agency branded graphics and an end wall provides a map case lit with 110v LED. Roof lighting offers passenger security while Mesa-style seating provides passenger comfort. Waste and recycle receptacles round out the bus stop.



H: DIGITAL ADVERTISING PANEL

https://tolarmfg.com/products/digital-solutions/dstd-21/

REV.	DATE	BY	SUB	APP.	DESCRIPTION
	12/17/2025				FINAL SUBMITTAL

DESIGNED: R. BUTIONG
DRAWN: E. PETRIE
CHECKED: R. BUTIONG
APPROVED: R. CHIANG
DATE: 11/11/25

Fehr & Peers
Fehr and Peers
345 California Street
Suite 450
San Francisco, CA 94104
Main: 415-348-0300
Fax: 415-773-1790

Robin Chiang & Company
381 Tehama Street
San Francisco, CA 94103

STAMP: STATE OF CALIFORNIA C-61/62 exp. 9-30-27 ROBIN CHIANG REGISTERED ARCHITECT

SAN MATEO COUNTY TRANSIT DISTRICT
BUS STOP IMPROVEMENT PLAN

ARCHITECTURAL
BUS SHELTER KIT OF PARTS

AMENITY ACCESSORIES

SIZE: D
SCALE: AS NOTED
SHEET NUMBER: **A17**
PAGE NO.