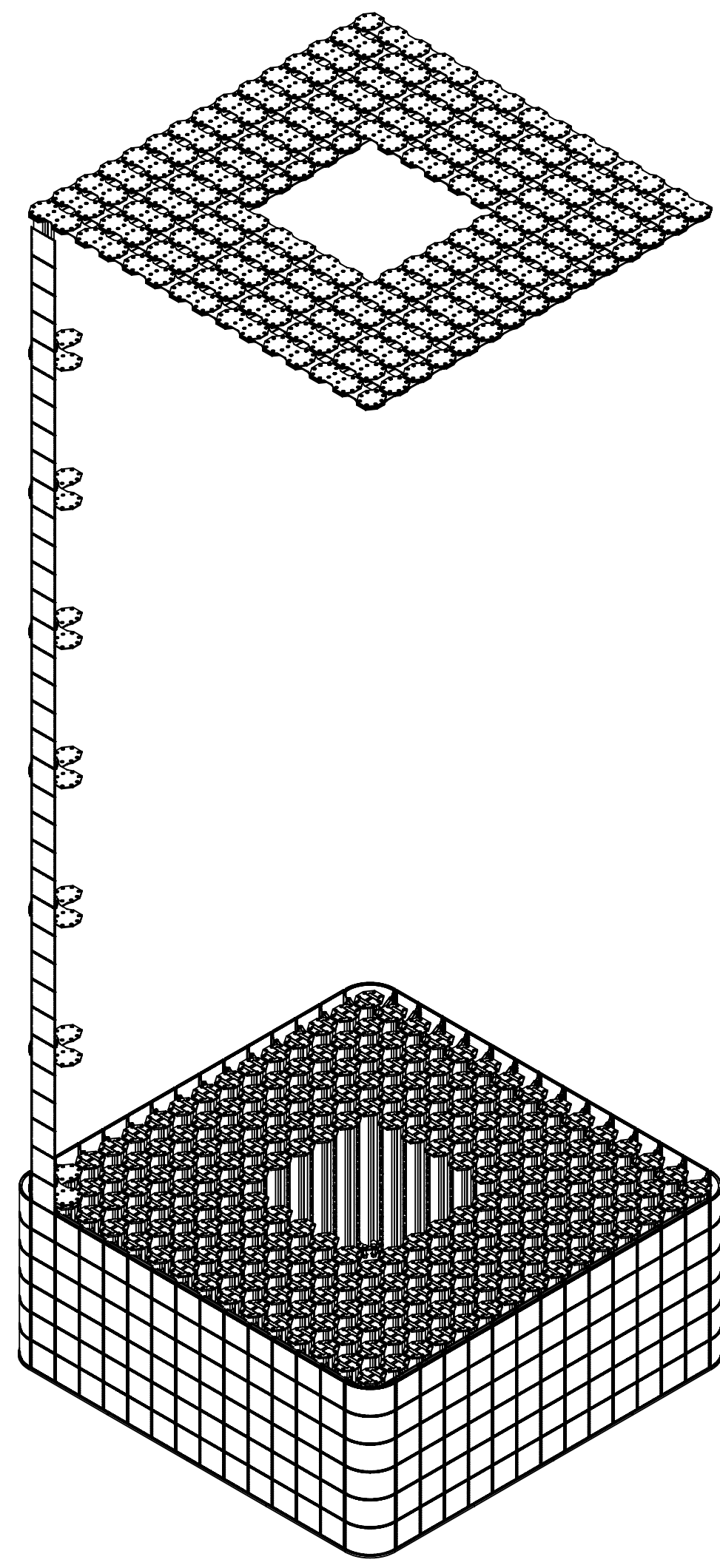
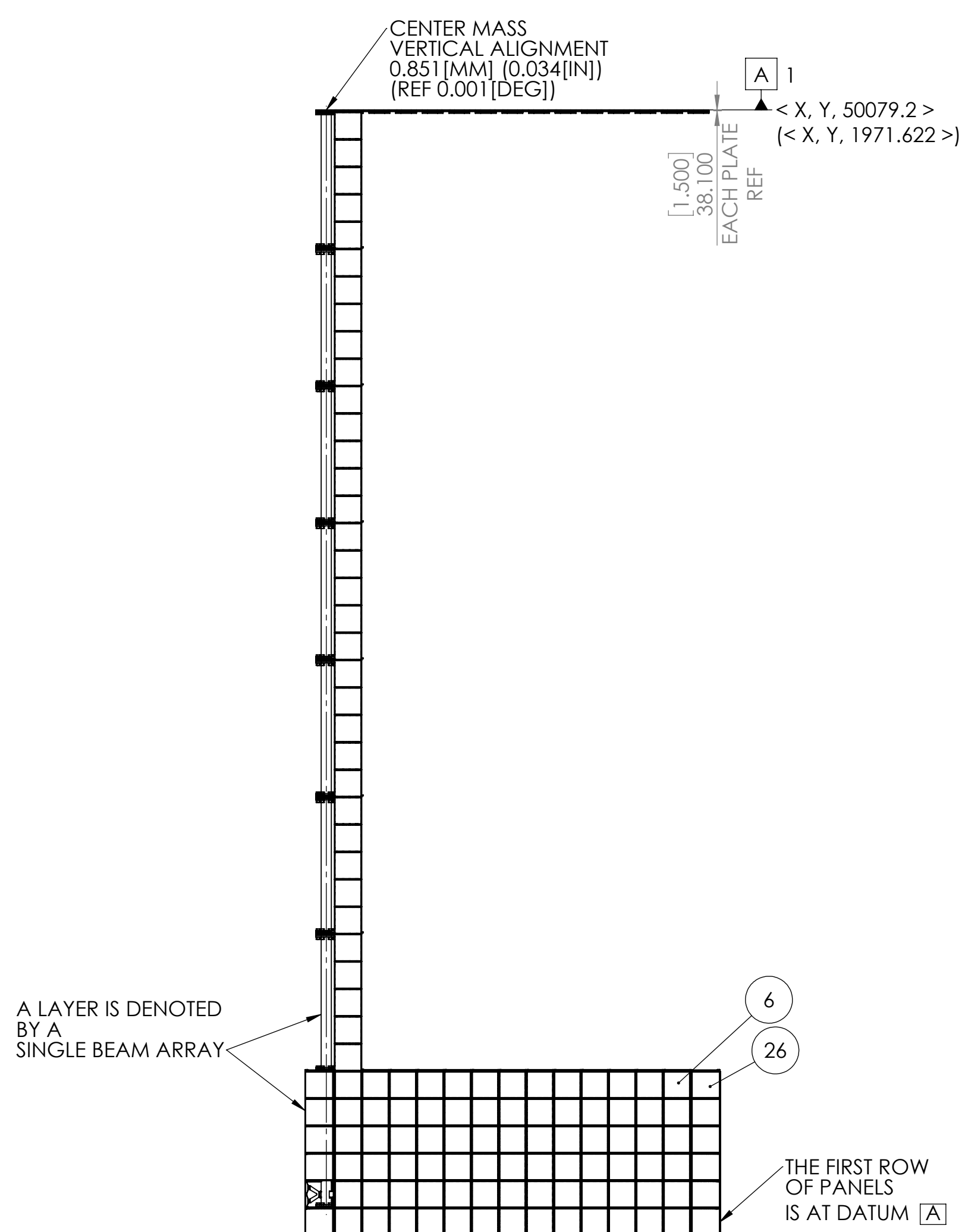
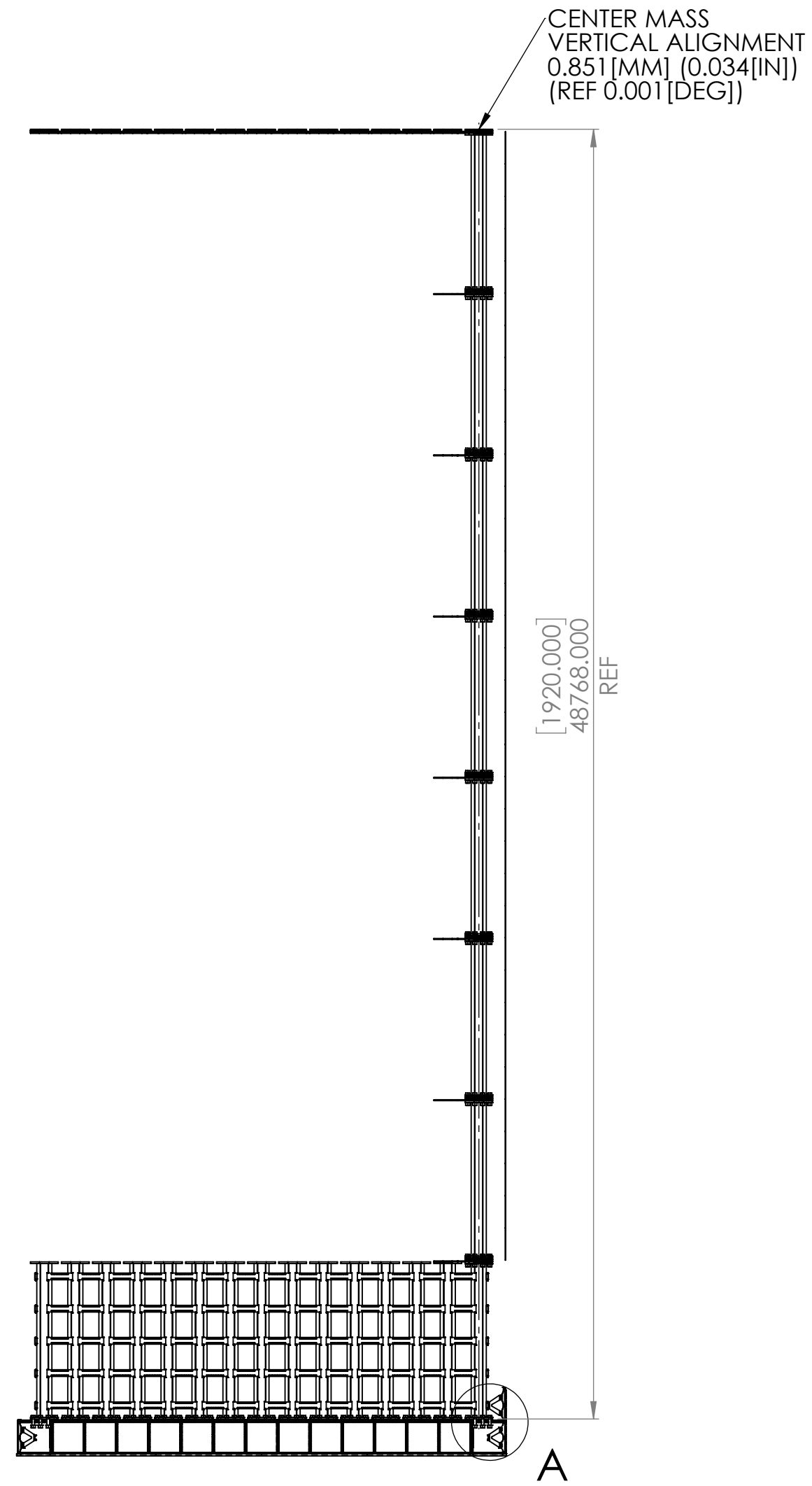
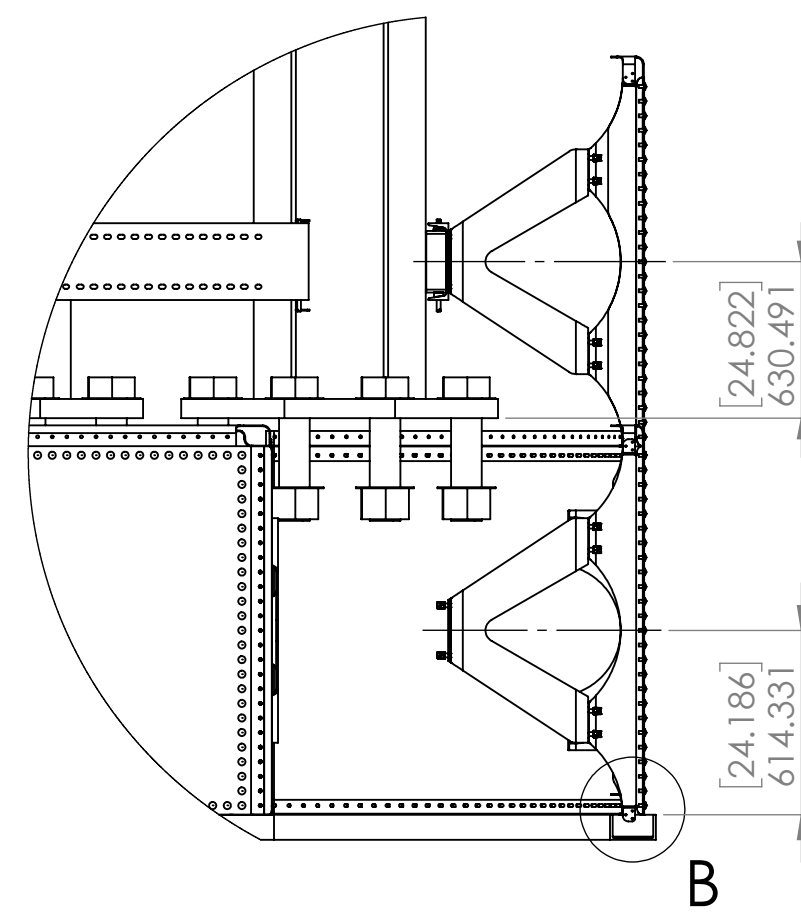


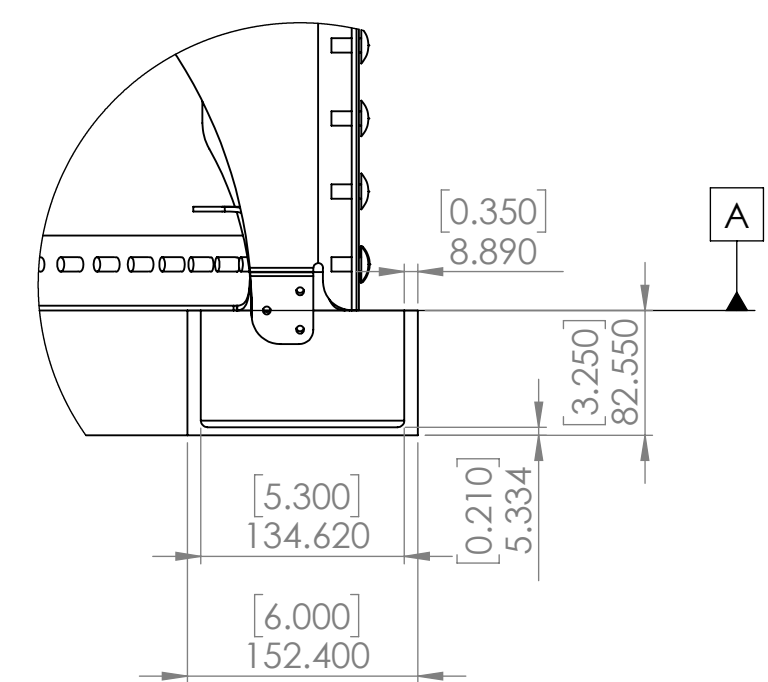
24	23	22	21
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
	1 Beam W14x70 Z1		207
	2 Plate Beam Z1 I	W14X70 BEAM, #Z1	414
	3 Bolt 4.0x13pi 16in		1656
	4 Nut 4.0x13pi		1656
	5 Washer 4in 0.125		3312
	6 PNL 48X48X0.0625IN AL R5		347
	7 RIB VERTICAL STD PNL R5		336
	8 RIB HORIZONTAL STD PNL R5		312
	9 PNL MOUNT BRACE TO C10 R5	0.25[IN] ONE PIECE BOX - BRACE	336
	10 9123x4720_2in 13pi Zinc 5		2016
	11 93286A049		4032
	12 95462A033		4032
	13 Shim Brace R1	A36 GALVINIZED	336
	14 BrozierRivet 0.375in L-0.78		33120
	15 RIB VERTICAL Arm PNL R1		48
	16 RIB VERTICAL SHORT Arm PNL R1		312
	17 C10 to Beam Sup 1	EAST/WEST PANEL ATTACHMENT (NORTH TO SOUTH)	140
	18 93673x4525	18-8 Stainless Steel Headless Clevis Pin	560
	19 T58x40.1875 Rec Tube 1	C10 SUPPORT	280
	20 91152A033	SPACER/WASHER ANGLED	560
	21 Washer Level 0.5in C10 R1	SPACER/WASHER/ANGLED	560
	22 Washer Spacer 0.5in R1	SPACER/WASHER	560
	23 T58x20x.1875 Rec Tube	C10 SUPPORT	280
	24 C10 to Beam Sup 1	NORTH/SOUTH PANEL ATTACHMENT (EAST TO WEST)	140
	25 RIB HORZ Rivet R48.2X0.125IN R2		4
	26 PNL STD R48.2X0.0625IN		24
	27 RIB HORZ RIB-F R48.2X0.125IN R2		28
	28 PLATE BEAM 1.5IN BS Z1 R1	SPACER PLATE, NO TRANSITION	94
	29 PLATE BEAM 1.5IN EW Z1 R1	EAST TO WEST TRANSITION PLATE	187
	30 PLATE BEAM 1.5IN NS Z1 R1	NORTH TO SOUTH TRANSITION PLATE	187
	31 RIB HORIZONTAL STD PNL R5	FIRST LAYER/ROW ONLY	52
	32 RIB HORZ Rivet R48.2X0.125IN R2		24
	33 1630T23		16
	34 1630T23		4



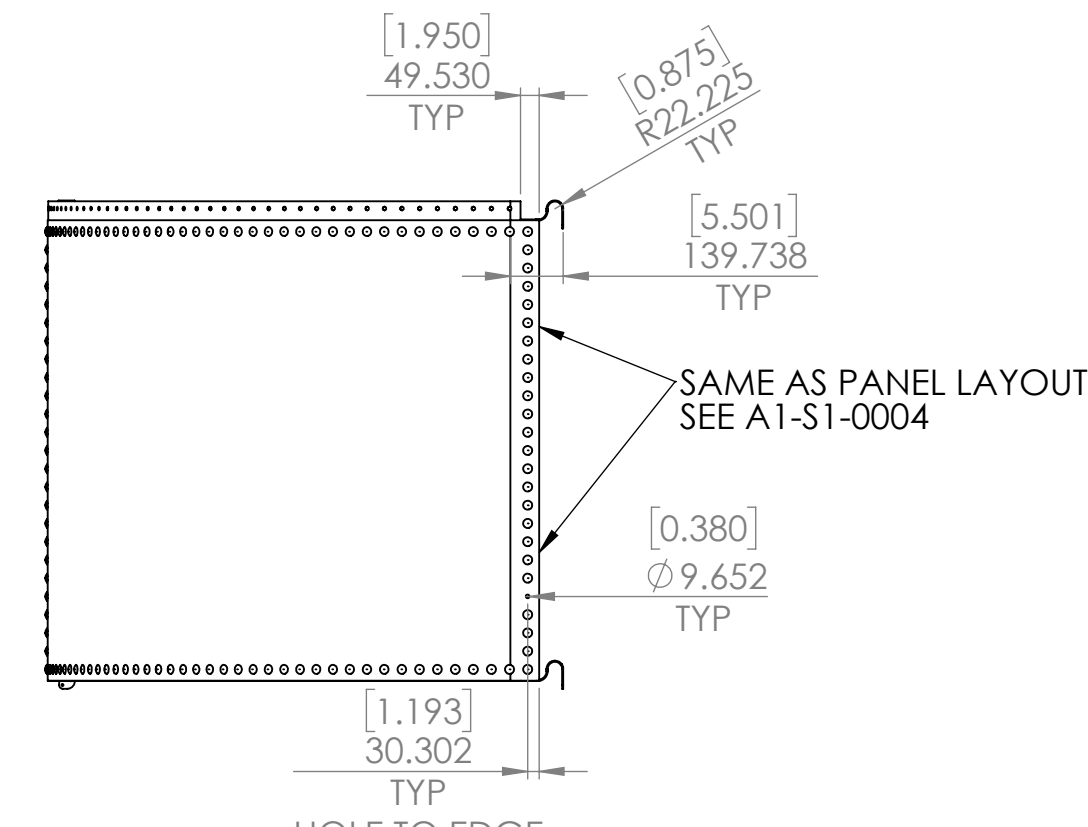
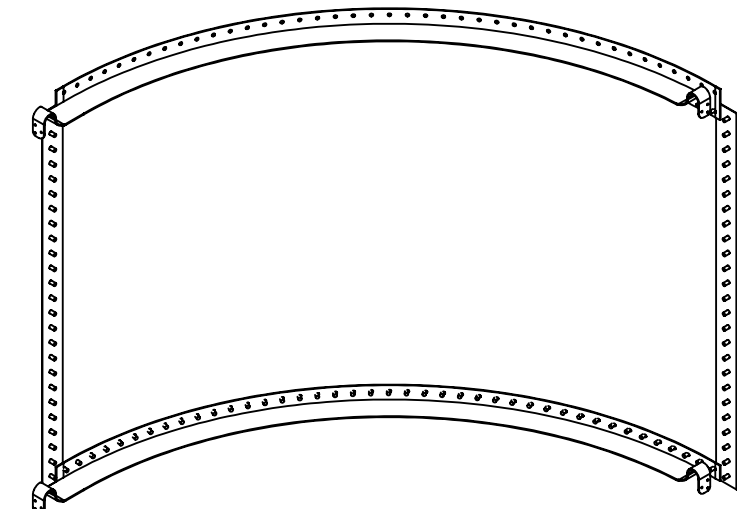
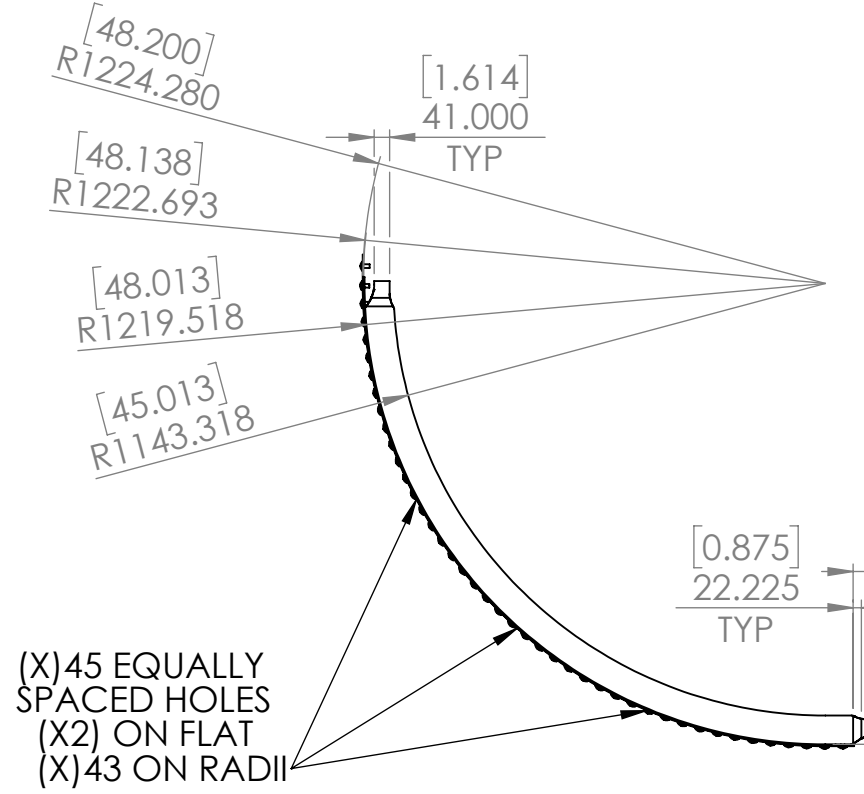
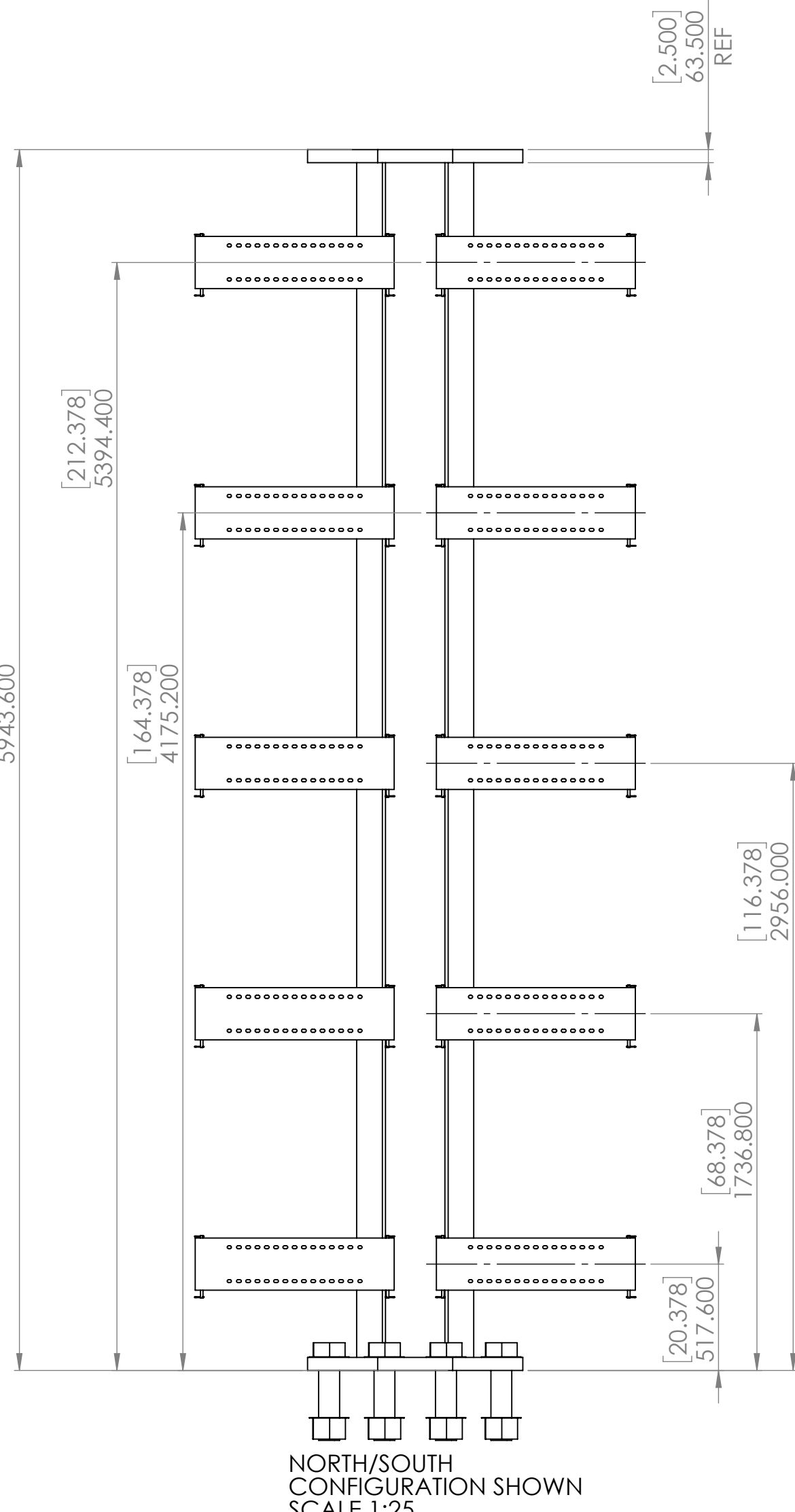
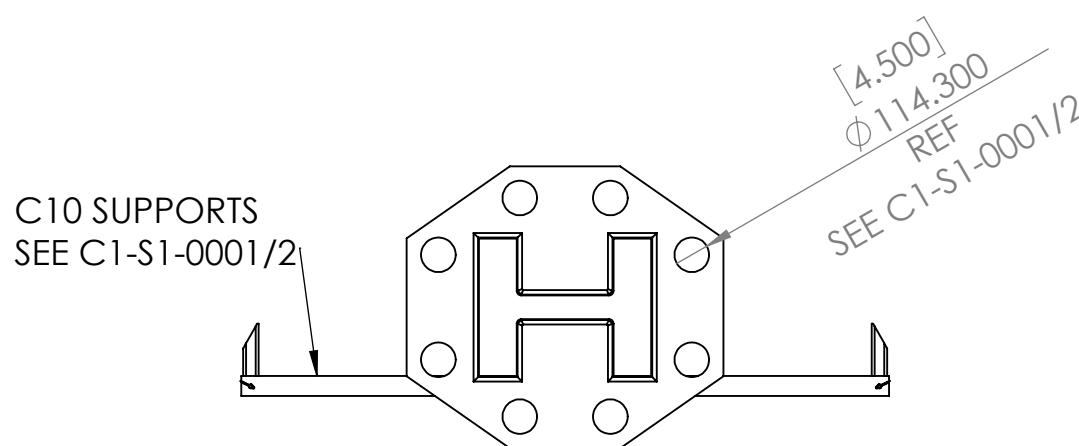
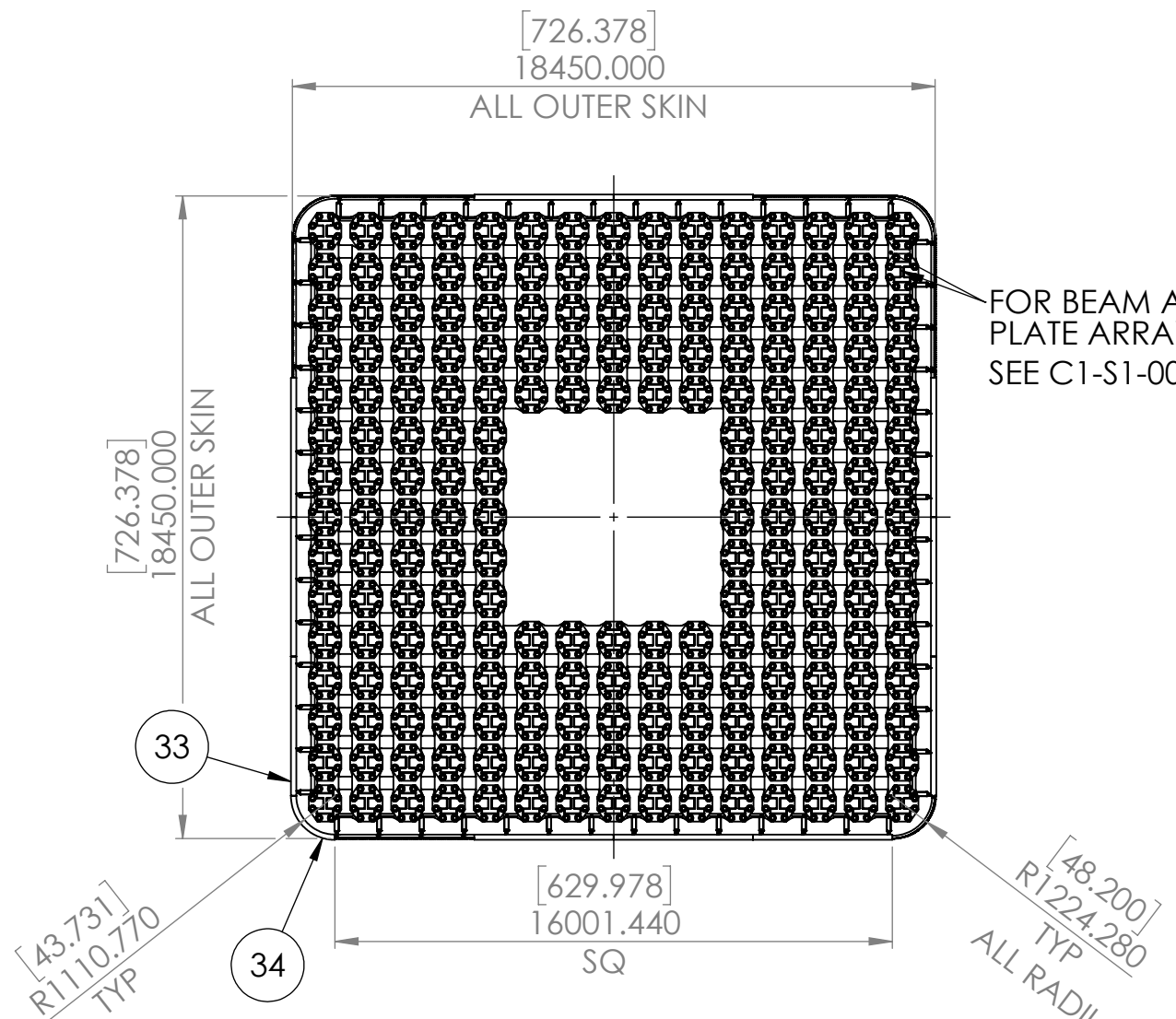
- | | |
|------|---|
| (1) | W14 BEAM ARRAY, REF C1-S1-400 |
| (1) | BEAM CENTERLINE MATCH |
| (1) | BOLT HOLES ARE IN CONJUNCTION WITH BOLTS |
| (1) | PLATE THICKNESS REDUCES WITH HEIGHT |
| (2) | CORROSION RESISTANCE IS REQUIRED |
| (1) | ELECTROPLATING (EP), PREFERRED OVERALL, MINIMUM THICKNESS 25µm [0.001(IN)] |
| (1) | THERMAL SPRAY: PREFERRED FOR TOUCH-UPS |
| (1) | ZINC PARTS: PARTS WITH PAINT NEED TO BE LOGGED FOR MAINTENANCE |
| (1) | HOT DIP GALVANIZING, AVERAGE THICKNESS 85µm [0.0033(IN)] (WHERE EP IS NOT POSSIBLE) |
| (3) | W14 BEAMS: ASSEMBLIES: ASTM A913 G65, GALVANIZED |
| (1) | C1 CHANNELS: ASTM A372-50, GALVANIZED |
| (1) | INTERCONNECTING PLATE: ASTM A36, GALVANIZED |
| (6) | BOLTS: ASTM F3125 (A490), TYPE 3, GALVANIZED |
| (7) | STEEL PARTS AND PINS: ASTM A572 G50, GALVANIZED |
| (8) | ALUMINUM PARTS AND PINS: ASTM B209 G60, 7050-T6 OR 7075-T6 |
| (9) | ALUMINUM PANELS AND ITS PARTS: ASTM B209 7075-T6 |
| (10) | BEAM HORIZONTAL ALIGNMENT 0.01 (DEG, 4.2MM) [0.01 (IN)] OVER 16.5M |
| (11) | BEAM VERTICAL ALIGNMENT 0.01 (DEG, 12.9MM) [0.07 (IN)] OVER 738M |
| (12) | SEAL JOINT FOR ARCHITECTURAL REQUIREMENT (OTHER VARIATIONS POSSIBLE) |
| (13) | W14 CONNECTION PLATES |
| (1) | CLEARANCE HOLES PREFERRED 4MM [0.25(IN)] LARGER THAN BOLT OR PIN |
| (1) | PAINTING FACIES MAY HAVE LAYERS OF OIL APPLIED |
| (14) | GALVS ARE TO BE CONSTRUCTED PER TEMPERATURE SPECIFICATION (51C) OR 59(F) |
| (1) | BIND RIVETS ARE NOT SHOWN, (X) REQUIRED PER MATING CORNER |
| (1) | ALUMINUM 6062-T6 (MIN. STRENGTH) |
| (1) | TENSILE STRENGTH 276.0N [60.0(LB/FI)] |
| (1) | SHEAR STRENGTH 200.0N [45.0(LB/FI)] |
| (16) | BEAM CENTER MASS CALCULATION METHOD (OTHER VARIATIONS POSSIBLE) |
| (1) | CHOOSE (X4) SIDES OF THE BASE PLATES IN QUESTION |
| (1) | CALCULATE THE OFFSET OF EACH SIDE |
| (1) | TAKE THE MEAN FOR THE VERTICAL ALIGNMENT |
| (1) | EACH CORNER BEAM AND THREE BEAMS BEHIND EACH CORNER MUST BE EVALUATED |
| (1) | A PANEL ROW CONTAINS |
| (1) | (X2) PLATE PANELS (X2)60 PLATE PANELS IN A "LAYER" |
| (1) | (X4) RADIUS PANELS (X4) 60 RADIUS PANELS IN A "LAYER" |
| (1) | NOTE: THE FIRST ROW OF PANELS IS THE TRANSITION FROM CONCRETE TO THE "LAYERS" |



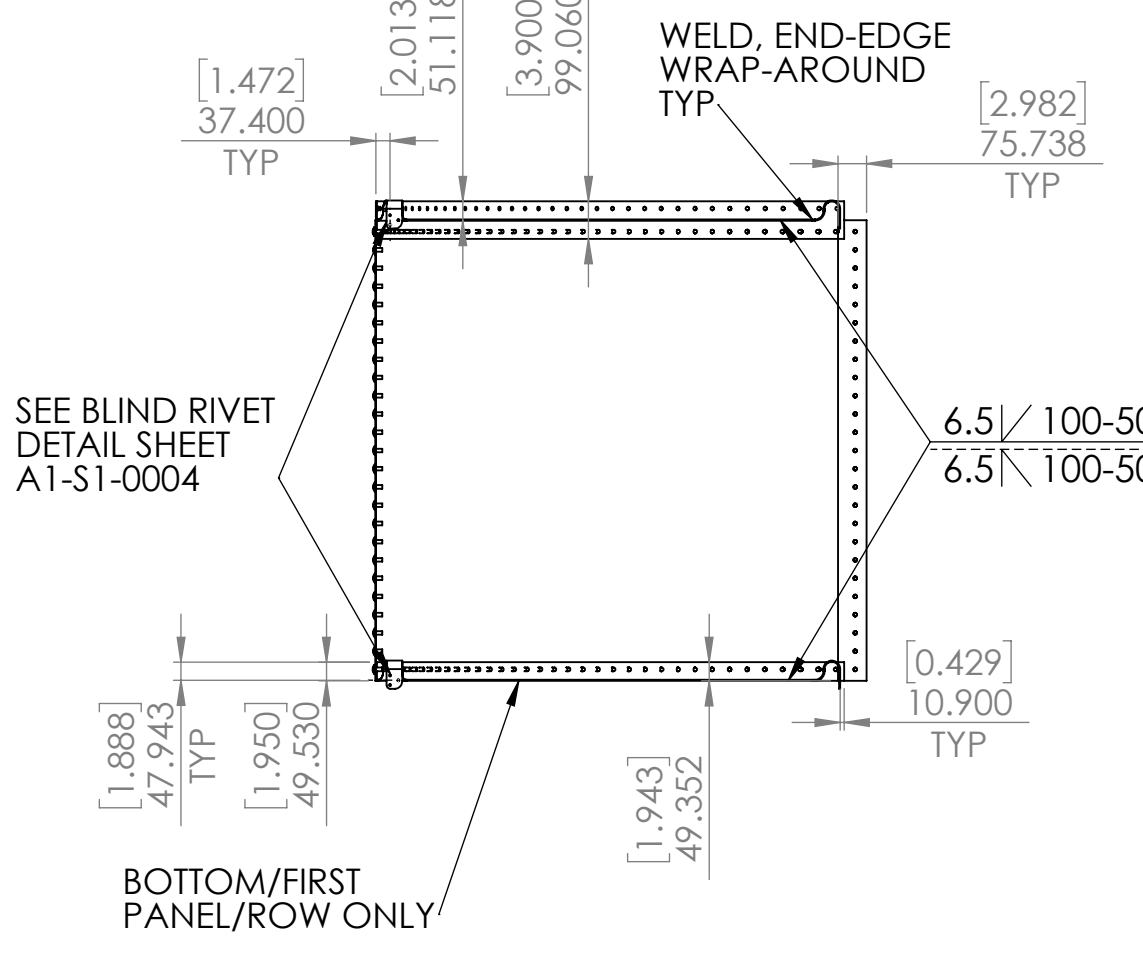
DETAIL A
SCALE 1:25



DETAIL B
SCALE 1:5



SCALE 1:20

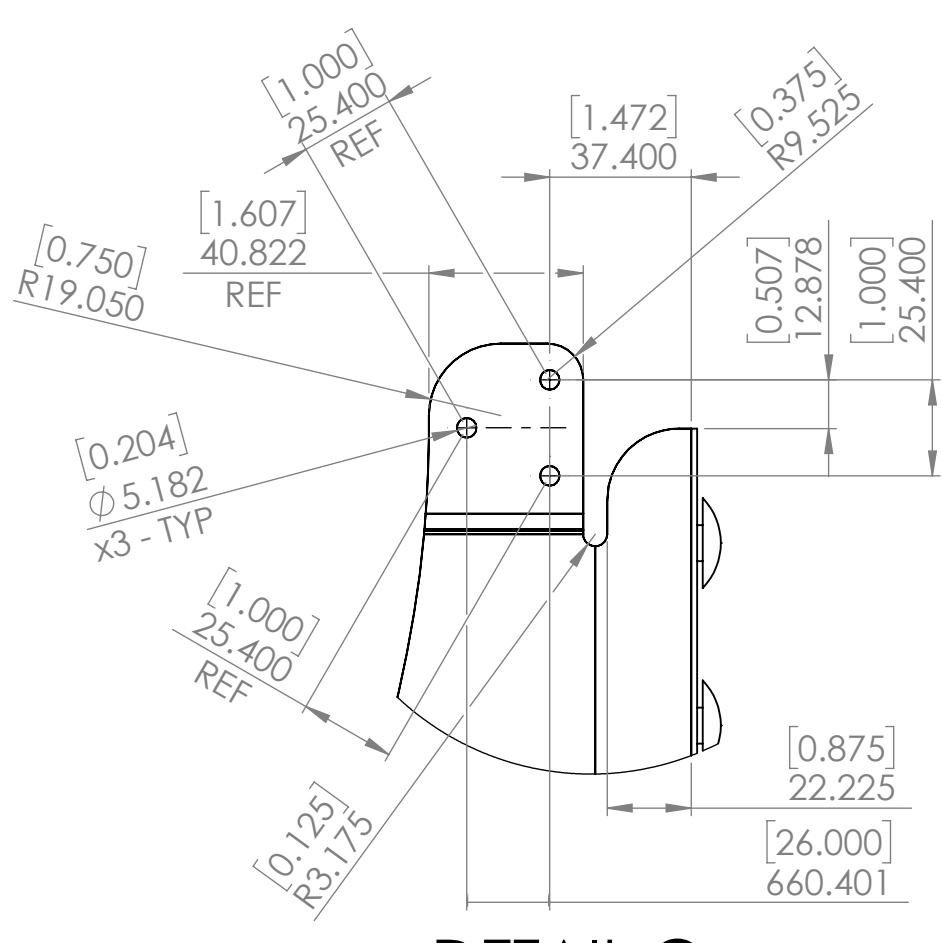


BOTTOM/FIRST
PANEL/ROW

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	PML STD R48.2X0.0625IN		1
2	RIB HORZ Rivel R48.2X0.125IN R2		1
3	RIB HORZ RIB-F R48.2X0.125IN R2		2
4	RIB HORZ Rivel R48.2X0.125IN R2		1
5	BrozierRivel L-0.78		132

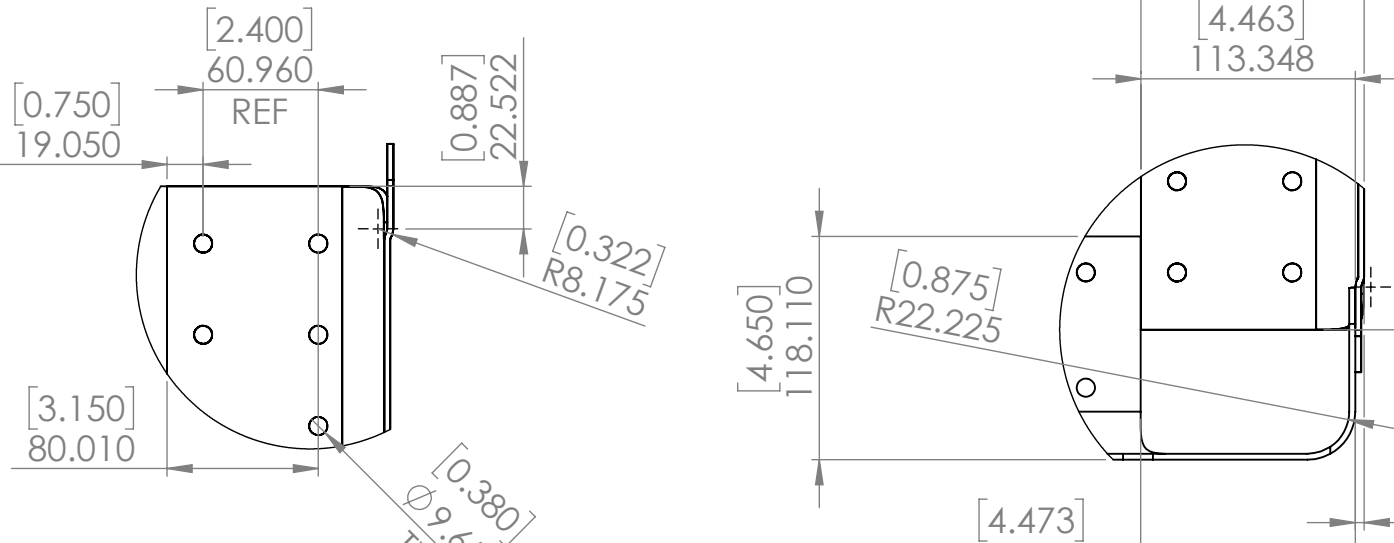
(PLEASE DRAWING SPECIFIED DIMENSIONS IN MM) (ENG) ALL DIMENSIONS ARE UNLESS OTHERWISE SPECIFIED UNLESS OTHERWISE SPECIFIED (1:50) (SPR) UNLESS OTHERWISE SPECIFIED (1:50) (SPR)		LOCATION: PRINCE GEORGE/NOVA SCOTIA THE HICK HILL, 12121 29TH AVENUE AN. ARCHITECTURE INC. 1000 MCNICOLL AVE. MCNICOLL AVE., CLASS 1 1000 MCNICOLL AVE., CLASS 1		(DESIGN AND BEAM SHAPE) (ENG) DO NOT SCALE DRAWING REVISION:	
NAME: _____ SIGNATURE: _____ DATE: _____		TITLE: W14X730 LAYERS DESIGN CRITERIA TRANSITION FROM BASE BEAMS, PLATES & PANELS			
DRAWN: _____ CHECKED: _____ APPROVED: _____ A/E: _____ M/S: _____		MATERIAL: SEE NOTES		DWG NO.: _____ A1-S1-0003	
WEIGHT: _____		SHEET 1 OF 3		A/E: _____	

ITEM NO.	23 PART NUMBER	22 DESCRIPTION	21 QTY.
1	PNL 48X48X0.0625IN AL R5		1
2	RIB VERTICAL STD PNL R5		1
3	RIB HORIZONTAL STD PNL R5		1
4	PNL MOUNT BRACE TO C10 R5	0.25[IN] ONE PIECE BOX - BRACE	1
5	91236A720_2in 13pi Zinc 5		6
6	93286A049		12
7	95462A033		12
8	Shim Broce R1	A36 GALVINIZED	1
9	BrazierRivet 0.375in L-0.78		96
10	RIB VERTICAL SHORT Arm PNL R1		1



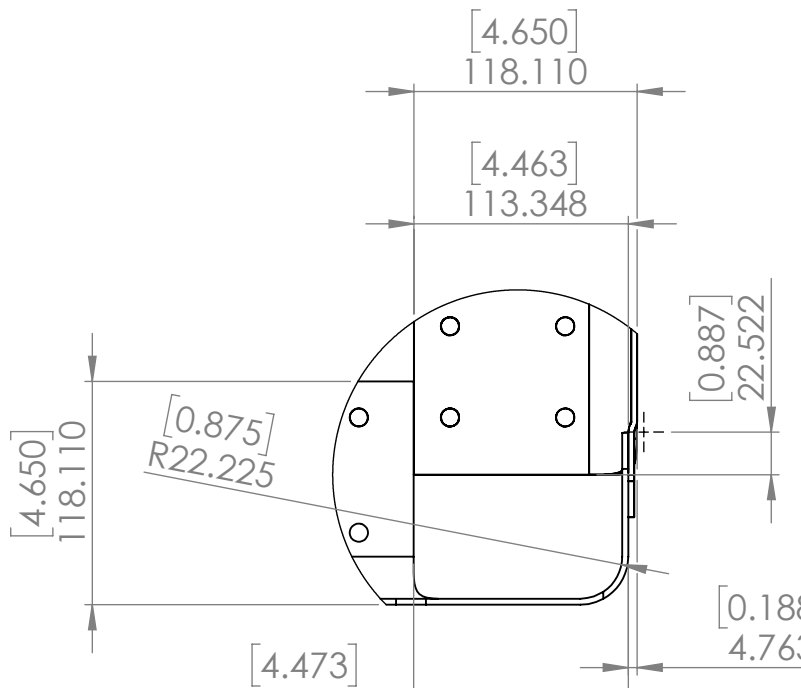
DETAIL C

SCALE 1 : 2



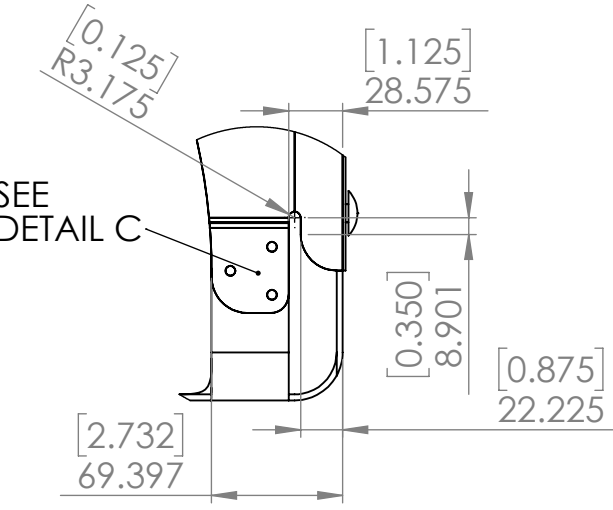
DETAIL D

SCALE 1 : 4



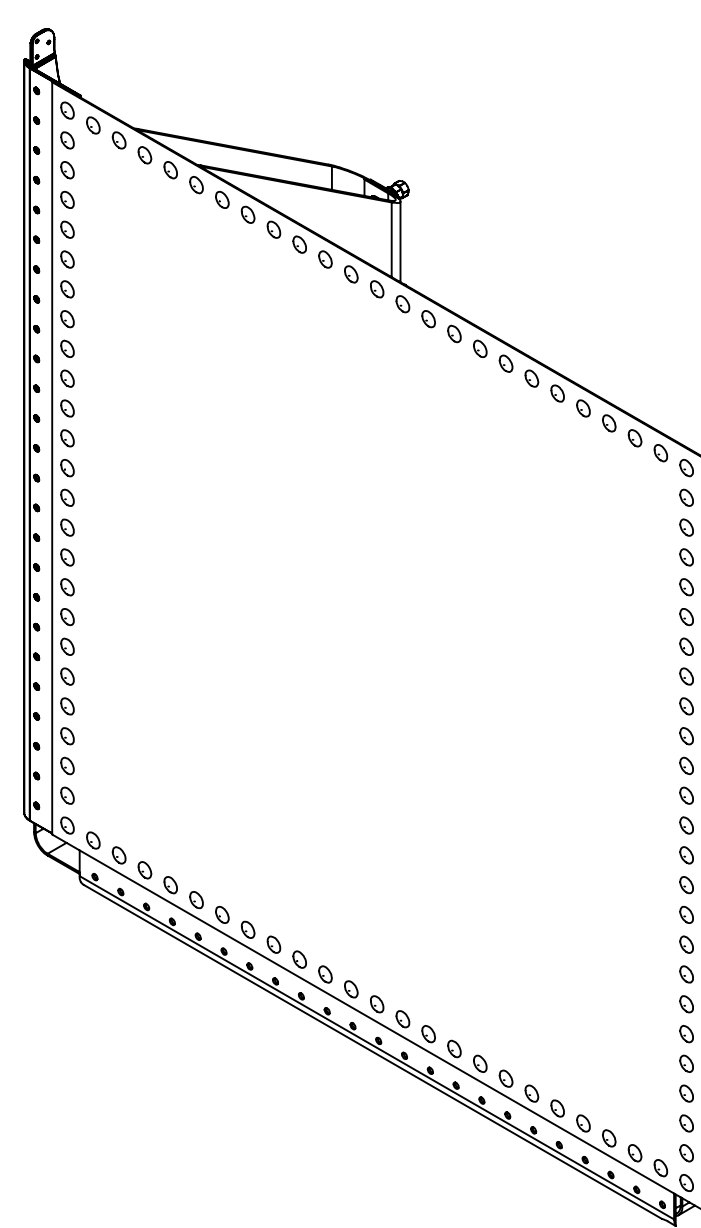
DETAIL E

SCALE 1 : 4

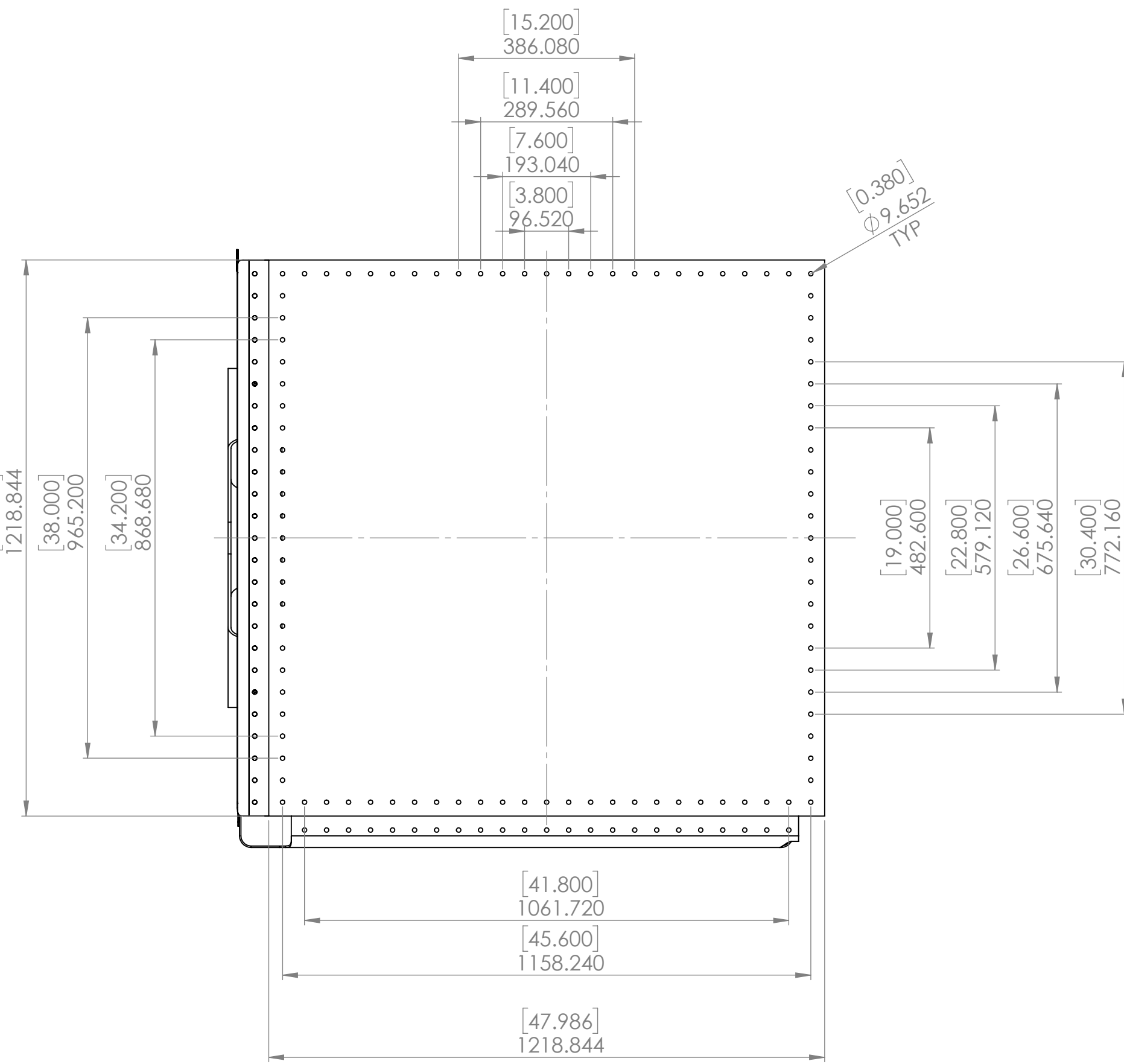
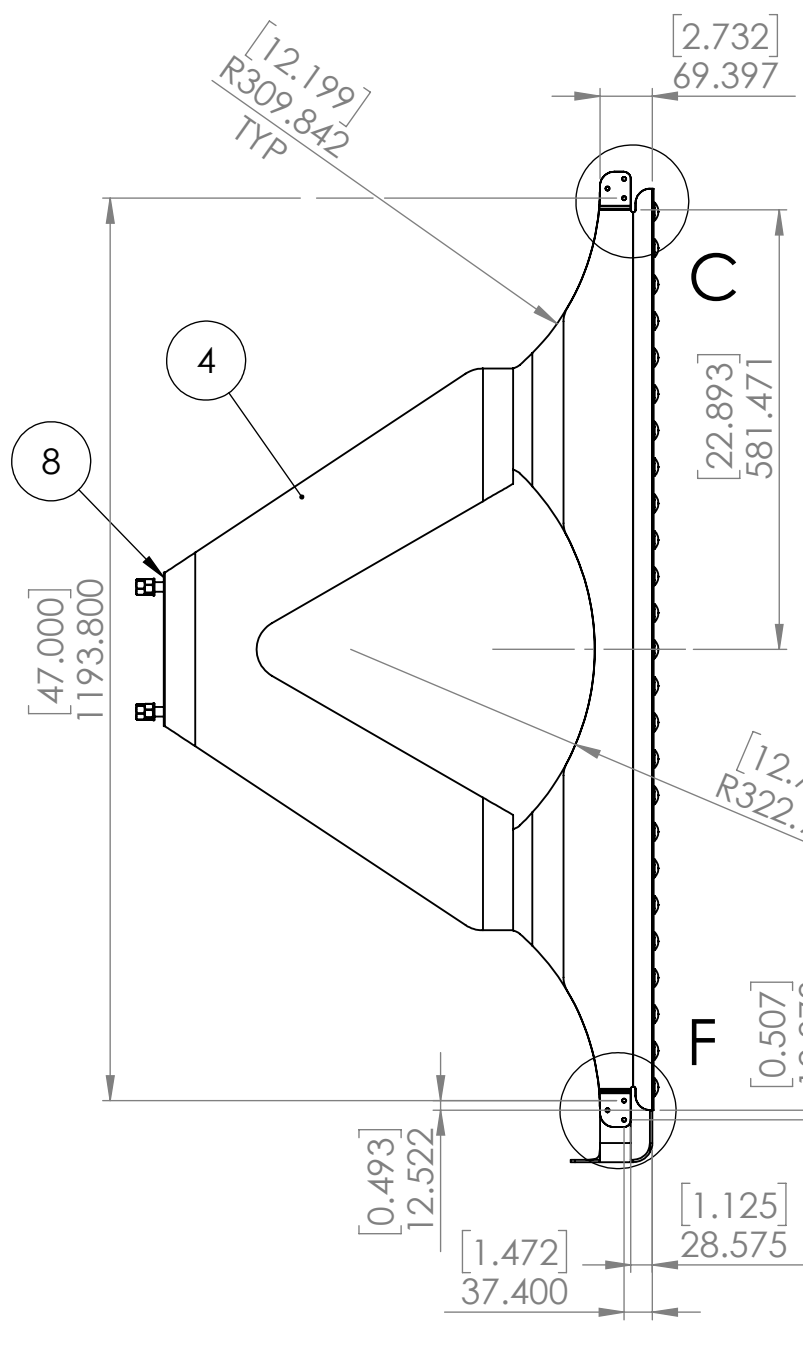
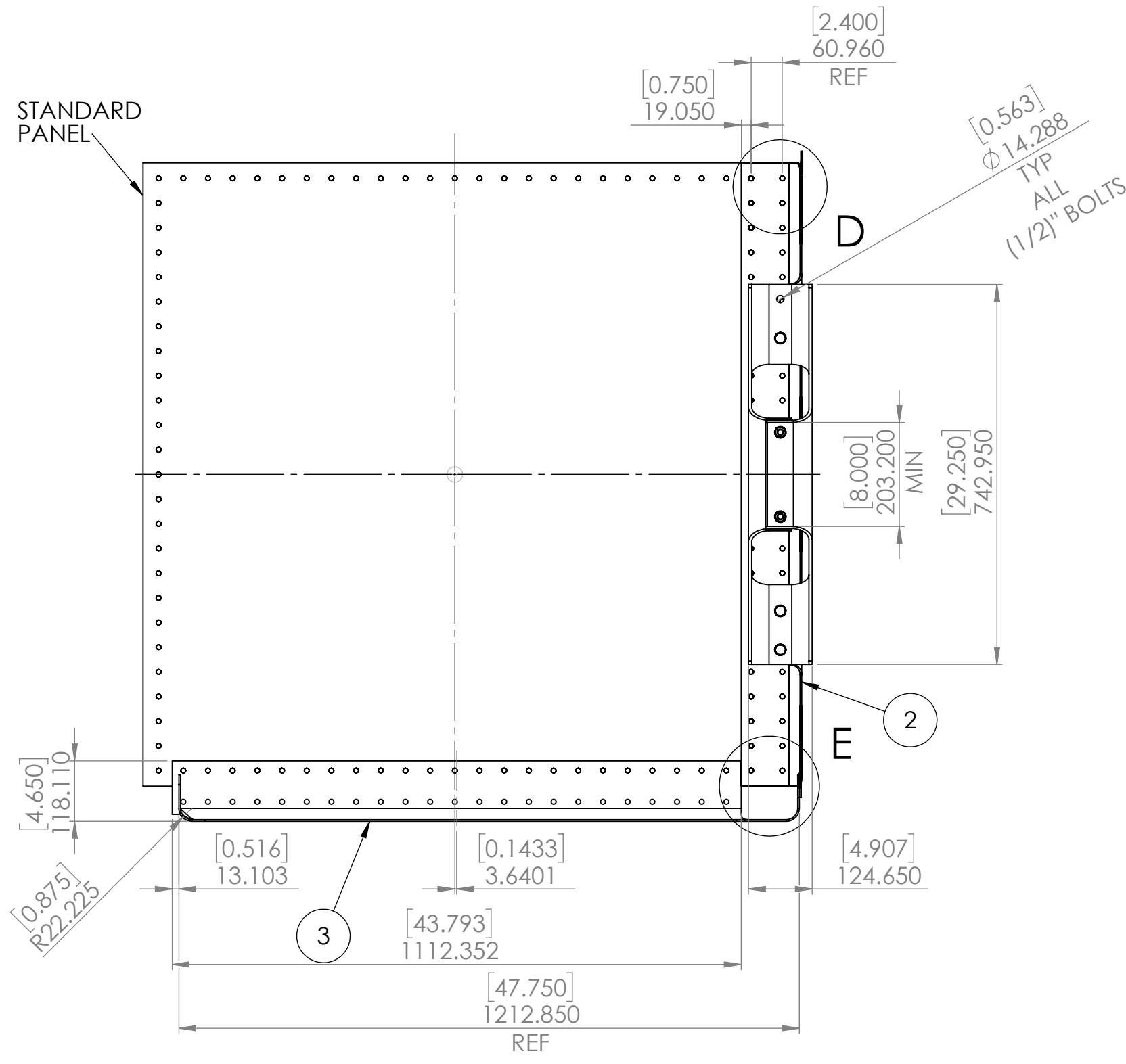
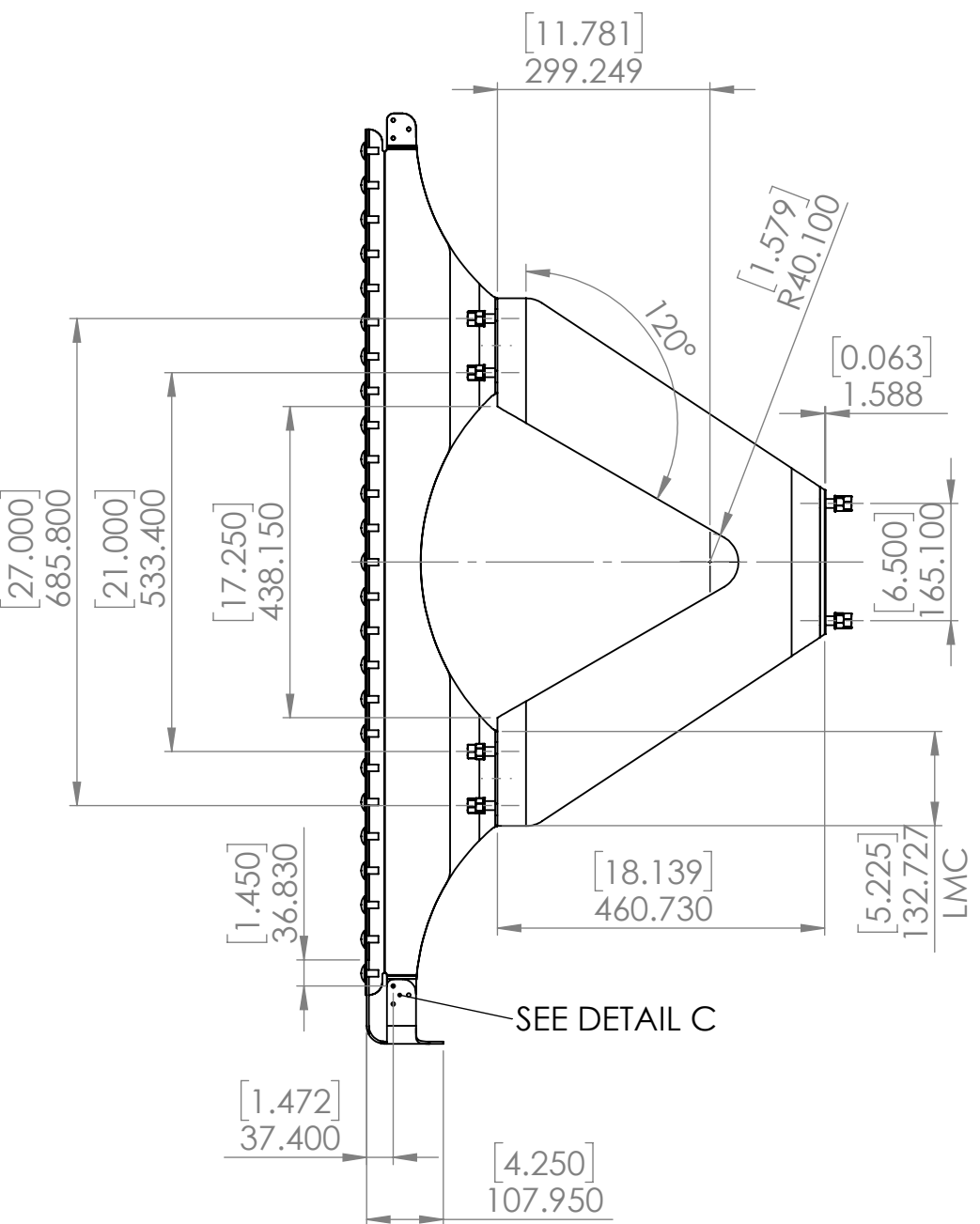


DETAIL F

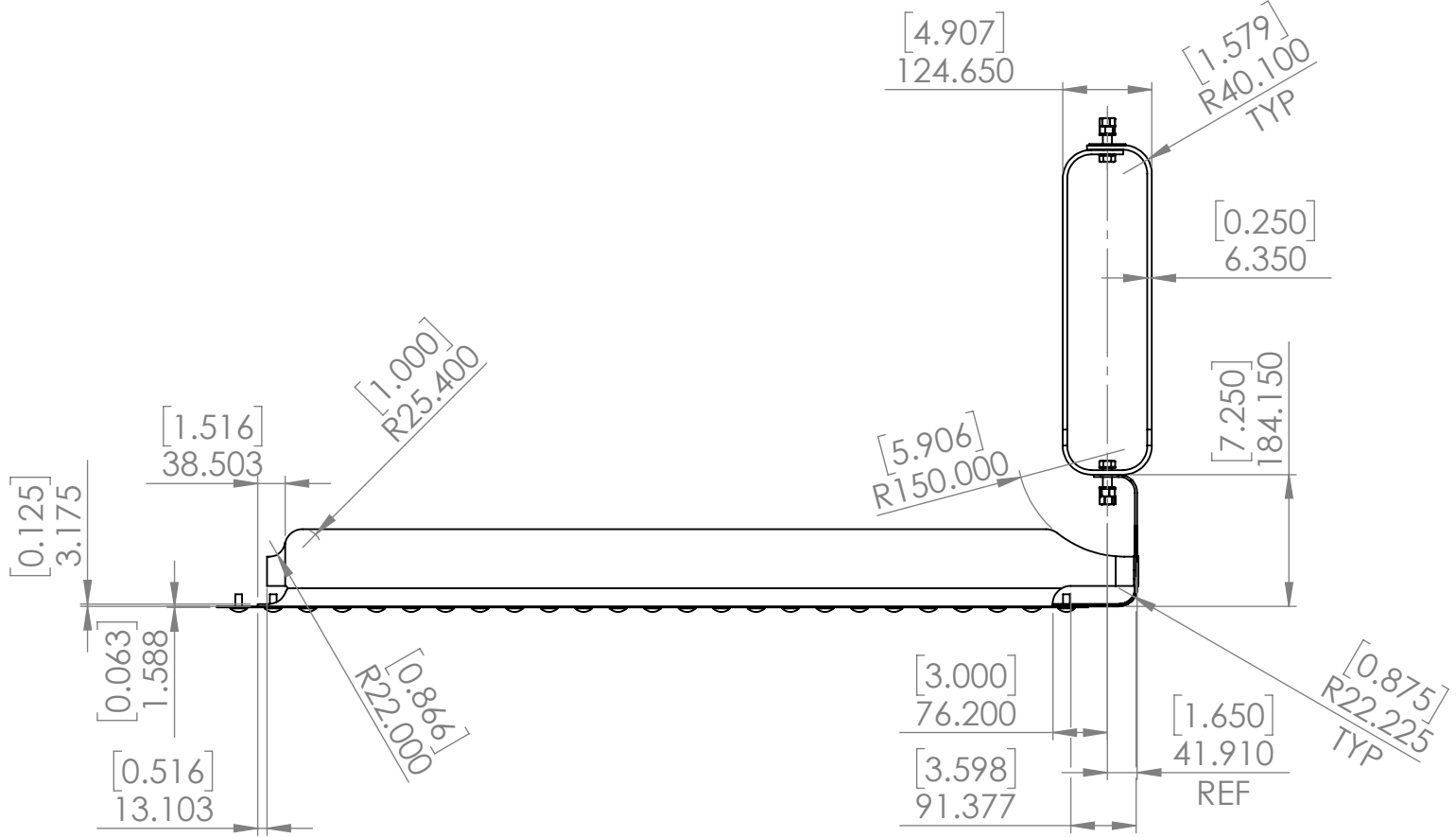
SCALE 1 : 4



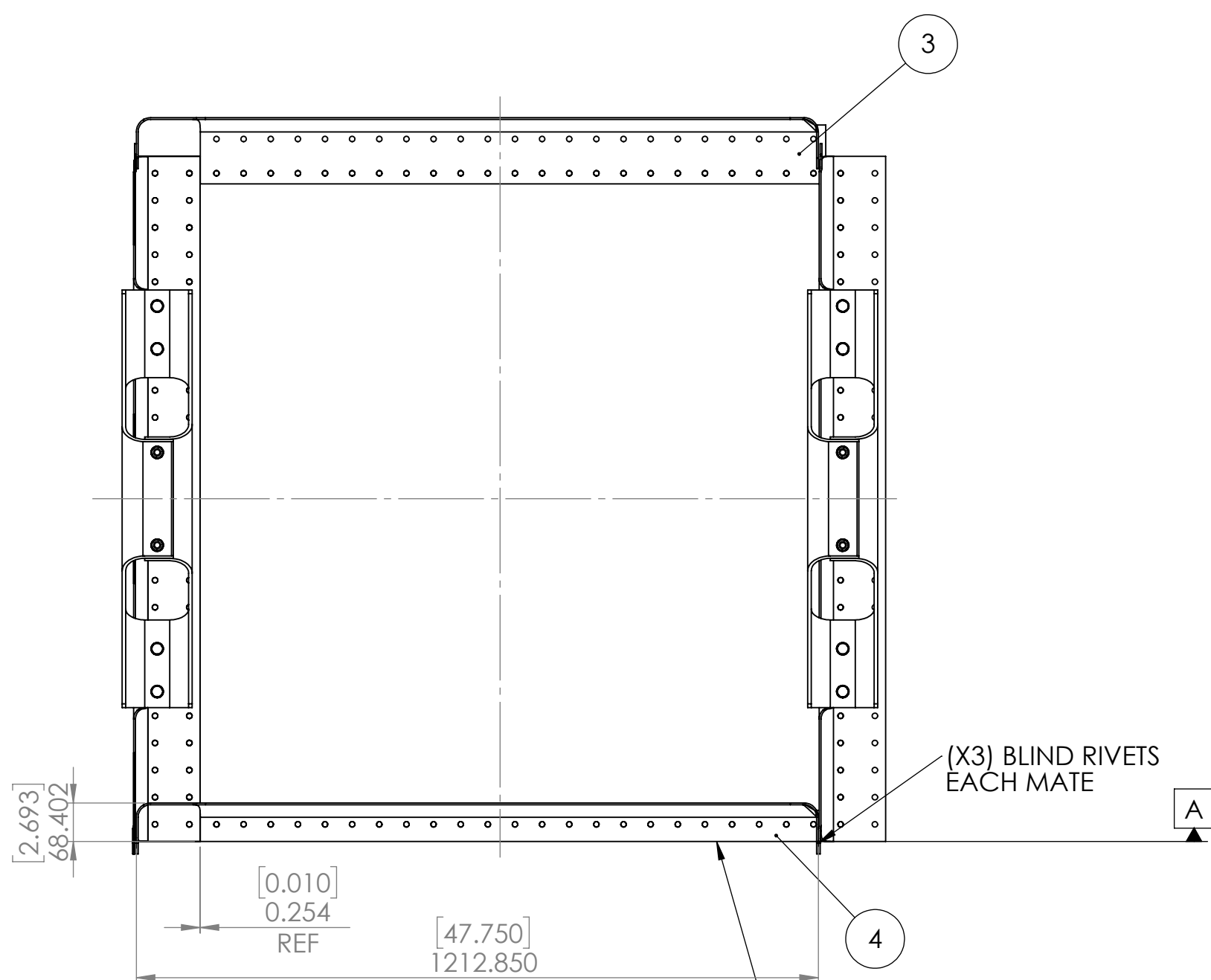
- (1) BOLTS: HIGH STRENGTH 6.8MM(A1-25X50), MIN. GALV. ZINC
 - (2) STEEL PARTS AND PINS: ASTM A375-50, GALV. ZINC
 - (3) ALUMINUM PARTS AND PINS: ASTM B209 6061-T6 OR 7075-T6
 - (4) ALUMINUM PANELS AND ITS PARTS: ASTM B209 7075-T6
 - (5) SEE A-1001 FOR ARCHITECTURAL REQUIREMENTS
 - (6) GAGES TO BE CONSTRUCTED TO MEET SPECIFICATION 1(SIC) OR 59(1)
 - (7) BLIND RIVETS ARE NOT SHOWN, (X) REQUIRED PER MATING CORNER
 - (1) ALUMINUM 5052-H32 (MIN STRENGTH)
 - (2) TENSILE STRENGTH 247N/25 (6000 LB)
 - (3) SHEAR STRENGTH 2.00X(N) (4500 LB)
 - (8) RIBBING RIVET PATTERN MATCH PANEL SURFACE
 - (9) RIBBING RIVET HOLE PATTERN IS AN ISOSCELES TRIANGLE
 - (1) AT LEAST (X) HOLE DIAMETER TO EDGE
 - (10) PANEL/RIB ORIENTATION IS MONO - DIRECTIONAL
- IT IS RECOMMENDED THAT ONE ORIENTATION IS MAINTAINED THROUGHOUT THE BUILDING



SCALE 1:10

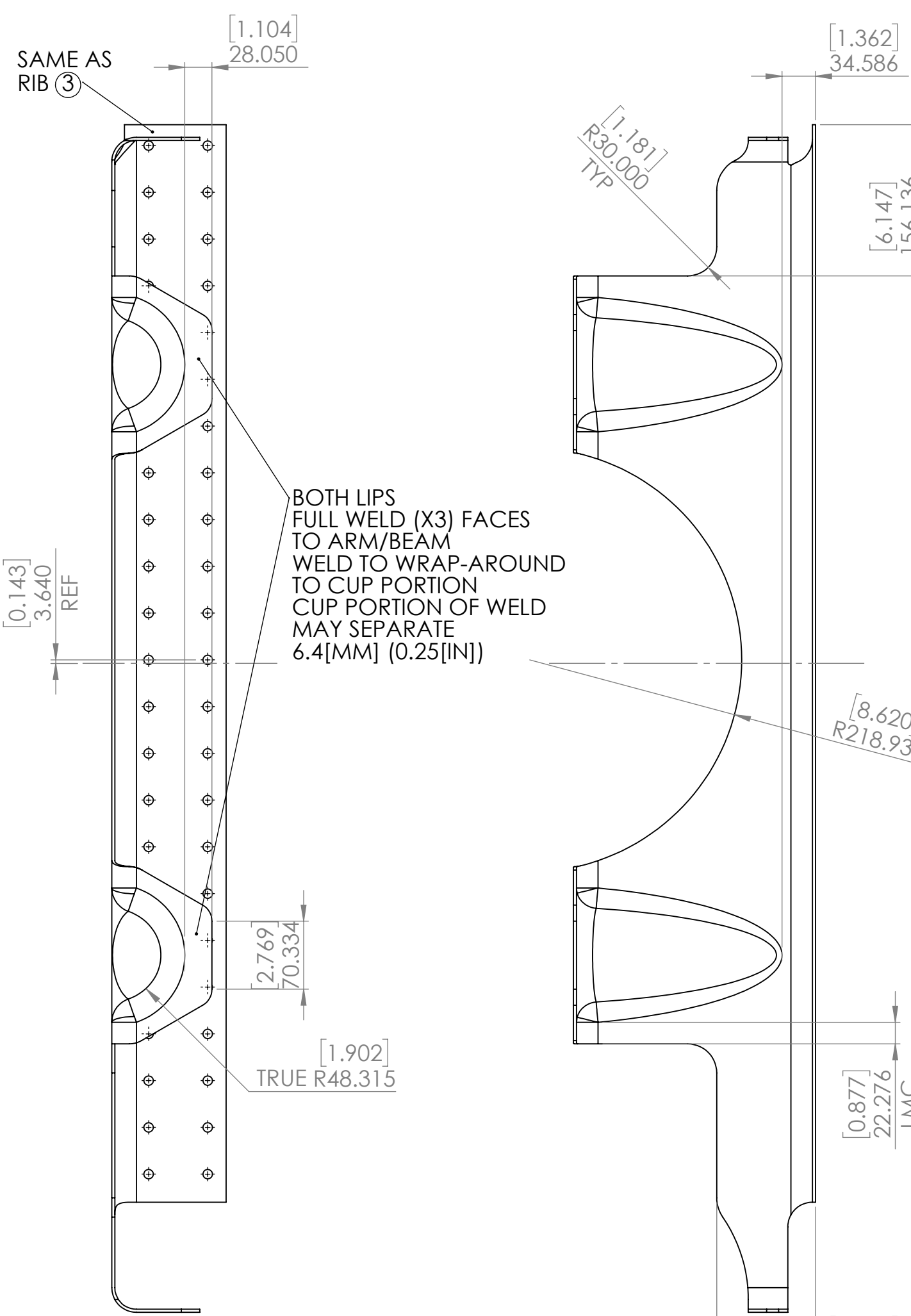
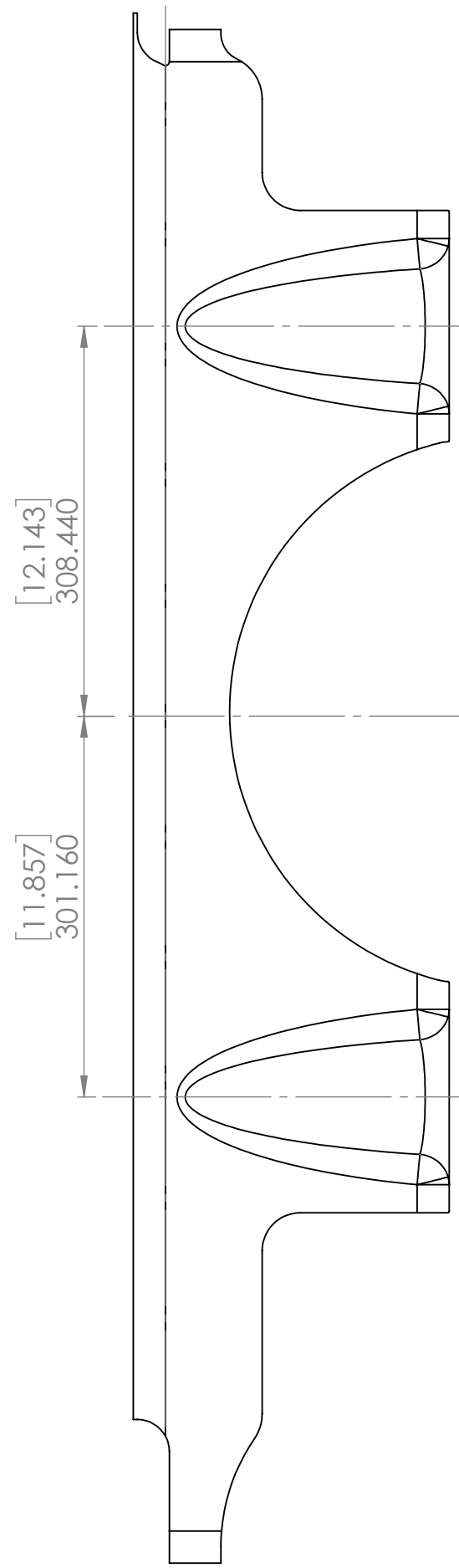


FIRST/BOTTOM PANEL

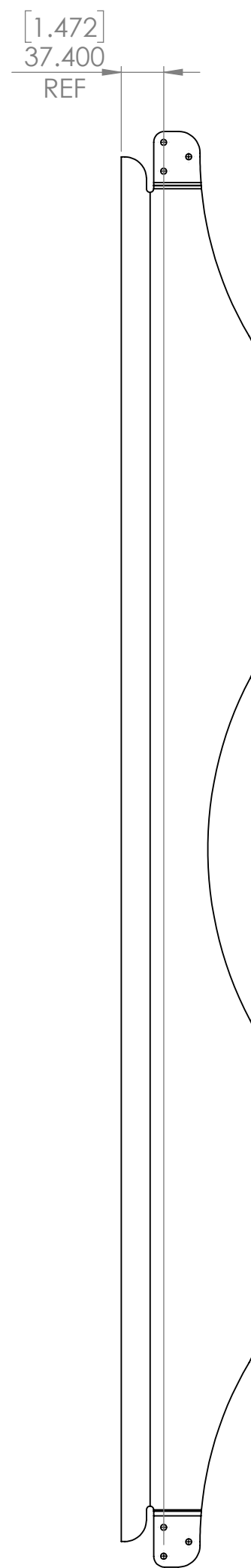


SCALE 1:10

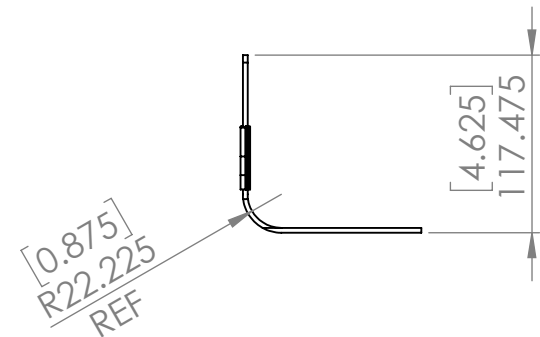
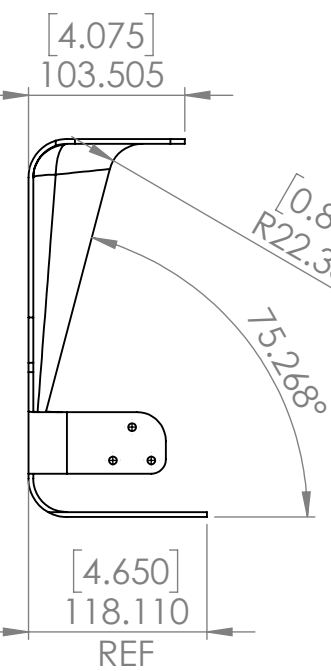
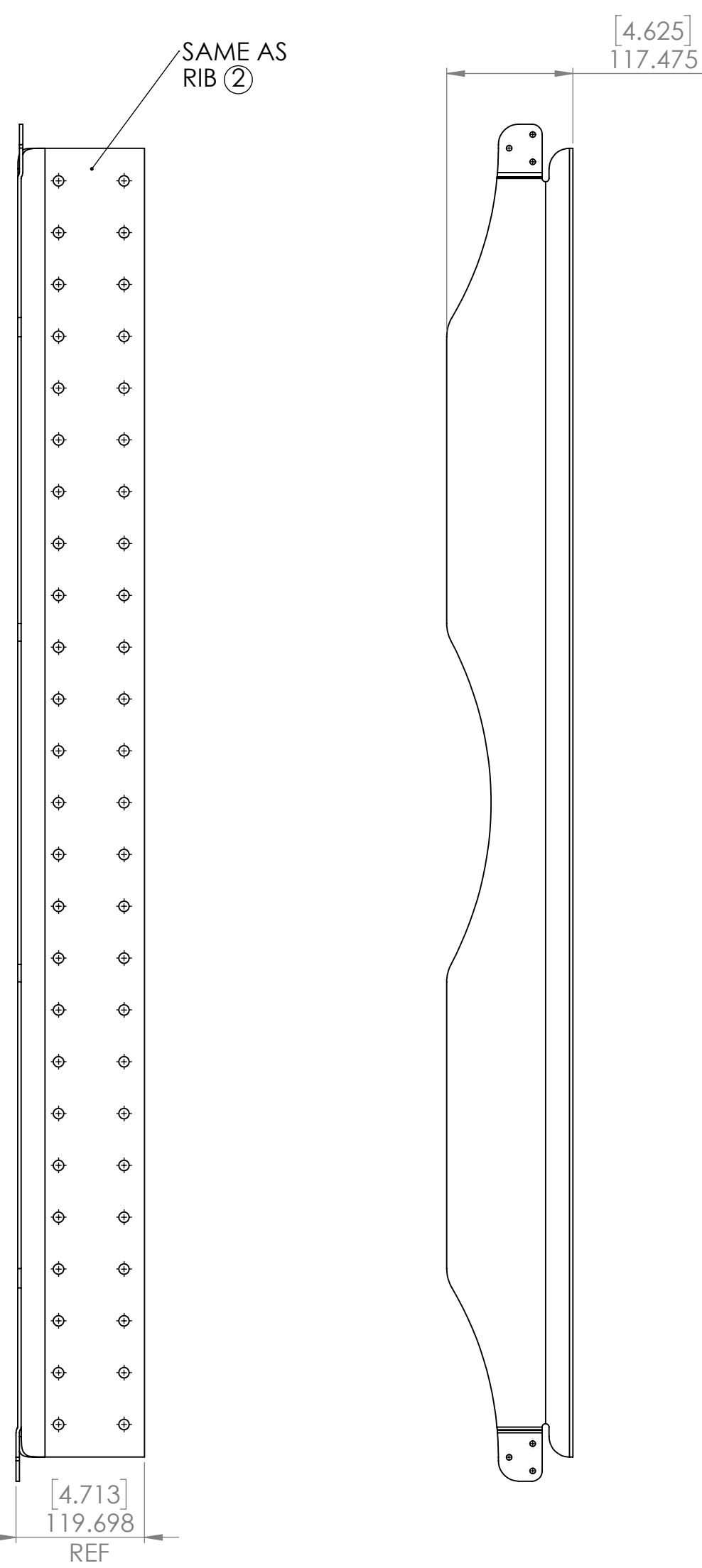
CUT RIB
SAME LAYOUT
AS PART ③
BOTTOM EDGE
MATES WITH DATUM A



BOTH LIPS
FULL WELD (X3) FACES
TO ARM/BREAM
WELD TO WRAP-AROUND
TO CUP PORTION
CUP PORTION OF WELD
MAY SEPARATE
6.4[MM] (0.25[IN])



SAME AS
RIR (2)



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	PNL 48X48X0.0625IN AL R5		1
2	RIB VERTICAL STD PNL R5		2
3	RIB HORIZONTAL STD PNL R5		1
4	RIB HORIZONTAL STD PNL R5	FIRST LAYER/ROW ONLY	1
5	PNL MOUNT BRACE TO 10 R5	0.25(IN) ONE PIECE BOX - BRACE	2
6	91326A720_2in 13tpi Zinc 5		12
7	93286A049		24
8	95462A033		24
9	Shim Brace R1	A36 GALVINIZED	2
10	Brozier/Rivet 0.375in L-07in		96
11	RIB VERTICAL SHORT Arm PNL R1		1

(SHEET CHANGE SPECIFIED) (SHEET NUMBER, NAME, AND NO. TO BE CHANGED) ALL TOLERANCES: MEASUREMENTS TO 4 DEC (100) TOLERANCES TO 0.010 IN		LOCATION: PLANT, NOMINALLY DOUBLE END OF LINE, APPLIED TO BOTH ENDS OF ARCHITECTURE, CLASS A MECHANICAL, CLASS A STRUCTURAL, CLASS C		DESIGN AND BIDDING EXORS		DO NOT SCALE DRAWING		REVISION:	
CREO DESIGN									
NAME: _____ SIGNATURE: _____ DATE: _____		TITLE: W14X70 LAYERS DESIGN CRITERIA TRANSITION FROM BASE PANELS AND CORNER/RADII							
DRAWN: _____ CHECKED: _____ APPROVED: _____ M.P.S. _____		MATERIAL: SEE NOTES		DWG NO.: A1-S1-0004					
REVISION:		SCALE: 1:1		SHEET OF 2					