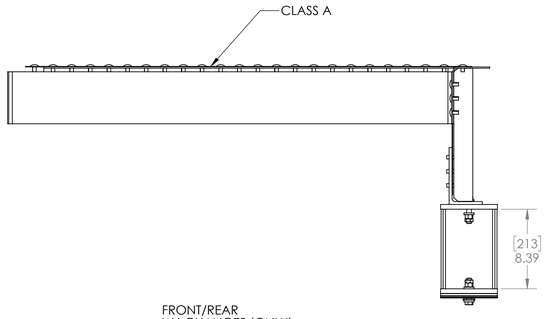
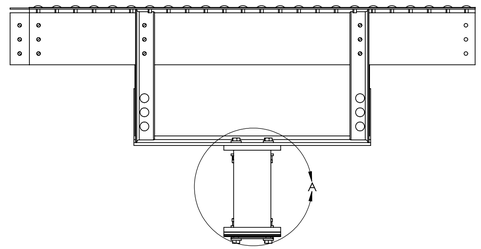
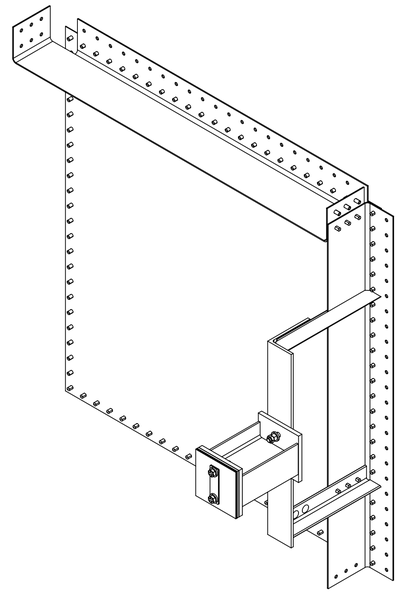
ITEM NO.	PART NUMBER	DESCRIPTION	WEIGHT	QTY.
1	Panel sq 47.125in 20200513 w550 w455 w370 w283 H2			1
2	Rivet Brazier head for Panel 20200510 w550 w455 w370 w283 H2			92
3	Rib 31 20210118 w550 w455 w370 w283 H2			1
4	L2x2x0.125 3 20210118 w550 w455 w370 w283 H2			1
5	L2x2x0.125 3 20210118 w550 w455 w370 w283 H2			1
6	Plate Pnl sup 2 20210118 w550 w455 w370 w283 H2			1
7	Rivet Brazier 2t +0.0625 20210107 w550 w455 w370 w283 H2			6
8	Rivet Brazier t+0.313+0.0625 20210104 w550 w455 w370 w283 H2			6
9	LS6x3.5x0.312 2 20210118 w550 w455 w370 w283 H2			1
10	W6x9 1 20210118 w90 H2			1
11	Plate pnl sup 3 20210118 w550 w455 w370 w283 H2			2
12	Shim Plate 30 1 pnl 20210120 w550 w455 w370 w283 H2			1
13	Shim Plate 30 2 pnl 20210120 w550 w455 w370 w283 H2			1
14	Shim Plate 30 3 pnl 20210120 w550 w455 w370 w283 H2			1
15	Shim Plate 30 4 pnl 20210120 w550 w455 w370 w283 H2			1
16	Plate pnl was 1 20210120 w550 w455 w370 w283 H2			1
17	91286A377			4
18	98180A150			8
19	93827A249			4
20	93839A825			4
21	Rib 32 20210118 w550 w455 w370 w283 H2			1
22	Rivet Brazier 3t 20200514 w550 w455 w370 w283 H2			6

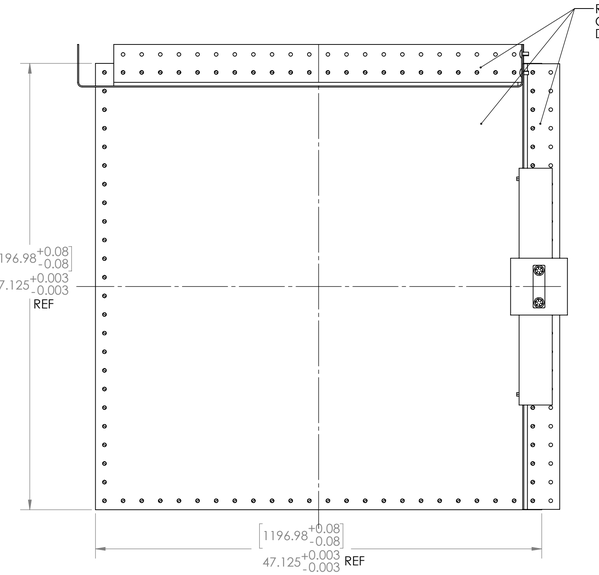


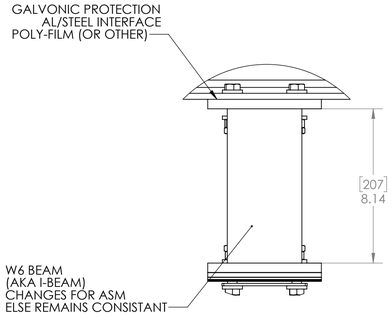
FRONT/REAR
W6 CHANGES (ONLY)



SIDE/SIDE
W6 CHANGES (ONLY)







DETAIL A
SCALE 1 : 4

NOTE/S:
RADIAL PANEL/S AND RIBBING REMAIN SAME
REF D004/5
NO SHARP EDGES/CORNERS
ALL AL, EXCEPT FOR W6 BEAM ASM (BEAM, SHIM/S AND BOLTS)
T6061-T6 FOR CLASS A PLATE
AL ALLOY FOR OTHER
W6 BEAM, Sy 42[KSI]
PLATE/S, SHIM/S AISI 1045 OR Sy 42[KSI]
BOLT/S ASM G8
OXIDIATION PROTECTION
ALUMINIZATION TYPE II (PREF)
GALV, G100 (OPTION)
CLASS A, REF J001
CAD IS MASTER

EXAMPLE TEMP [F]	EXAMPLE TEMP [C]	T6061-T6 dL PER 1000[IN]	T6061-T6 dL PER 1000[mm]
45.00	7.22	-0.183	-4.658
59.00	15.00	0.0	0.0
86.00	30.00	0.354	8.984

EXAMPLE:
LET DIM = 47.125[IN] (T6061-T6)
dL = 0.00001318(86 - 59)47.125
dL = 0.0167[IN] (0.4234[mm])

AT 86[F] THE DIMENSION OF THE PART IS 47.125 + 0.0167 =47.142[IN]

GALVONIC PROTECTION REQUIRED:
ALUMINIZE TYPE II PREFERRED
GALVINIZE G100 ACCEPTABLE
THERMAL SPRAY AS/FOR ASSEMBLED

UNLESS OTHERWISE SPECIFIED:
TOLERANCES:
DIMENSIONS TAKEN AT 59[F]
DIMENSIONS TAKEN AT 15[C]
FRACTIONAL ±0.13[N]
ANGULAR: 0.3[DEG]
TWO PLACE DECIMAL ±0.05[IN]
THREE PLACE DECIMAL ±0.005[IN]
VERIFICATION OF COMPONENTS MUST BE PERFORMED WITH TEMPERATURE COMPENSATION
INTERPRET GEOMETRIC TOLERANCING PER: ASME Y14.5
PARALLEL PLANES MAX 0.002[IN]
FLATNESS MAX 0.002[IN]
FINISH: AS REQUIRED

	NAME	DATE
DRAWN		
CHECKED		
ENG APPR.		
MFG APPR.		
Q.A.		

GAUGE/S:
DRAWINGS ARE AT 59[F] (15[C]): REFER TO MATERIAL SUPPLIER FOR THERMAL EXPANSION COEFFICIENT (CTE)
dL[ENG] = (DIM)*(CTE1/K)*(TEMP-59)
dL[SI] = (DIM)*(CTE1/K)*(TEMP-15)
***TOLERANCES DO NOT CHANGE

CREO DESIGNS, ENG DPT

TITLE: GLORIOUS CROSS

PANEL ASM FOR W14x90
W6 BEAM

SIZE	DWG. NO.	REV
D	P - 005	1
SCALE: 1:8		SHEET 1 OF 1