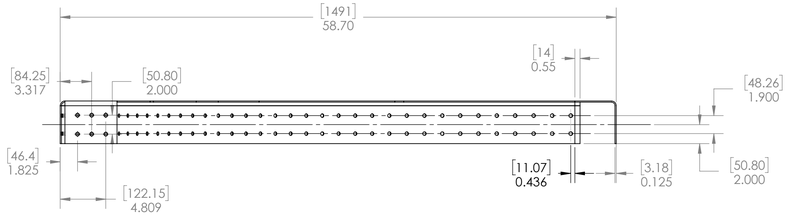
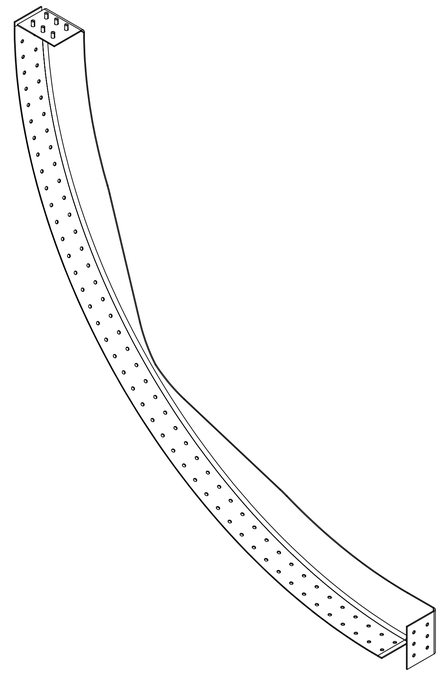
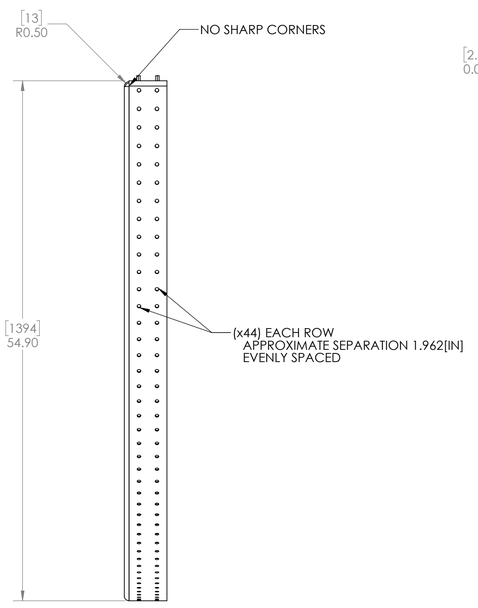
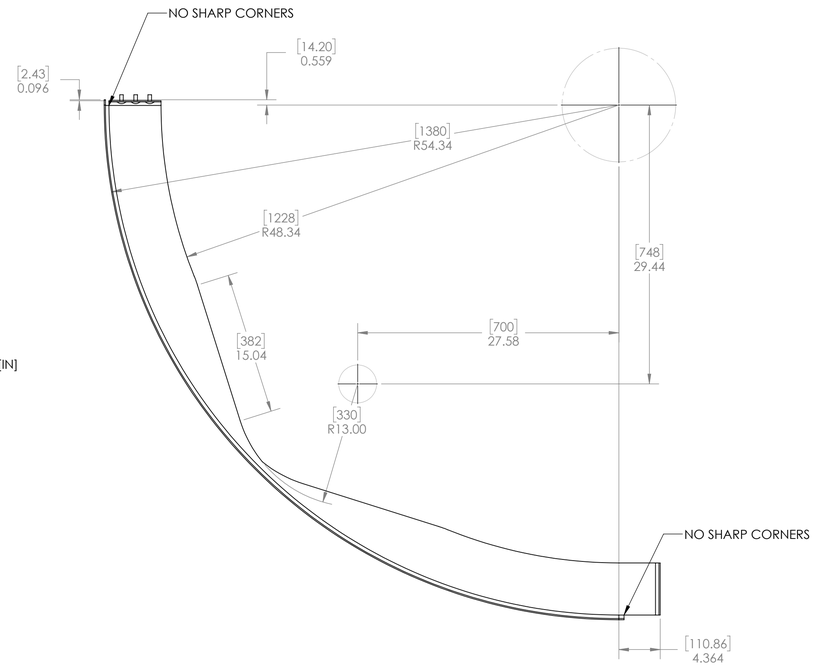
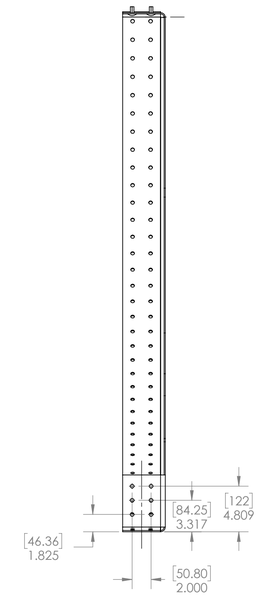
ITEM NO.	PART NUMBER	DESCRIPTION	WEIGHT [LBF]	QTY.
1	Rib Radius 30 20210120 S	STANDARD RADIAL RIB FOR MAIN STRUCTURE	10.1	1
2	Rivet Brazier 3t 20200514 S	(3/8)" BRAZIER HEAD RIVENTS WT = 0.375[IN]		6











NOTES:
NO SHARP EDGES/CORNERS
MINIMUM RADIUS 0.2[IN]
MATERIAL:
T6061-T6, Sy 40[KSI]
RIVETS AL ALLOY
FLATNESS/WARP LESS THAN 0.001[IN]
CLASS B SURFACE AS BUILT
ASSEMBLY WITHOUT REWORK

EXAMPLE ASSEMBLY TEMP [F]	EXAMPLE ASSEMBLY 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 = 0.0000131(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 PREFERED
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

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

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

CREO DESIGNS, ENG DPT

TITLE: GLORIOUS CROSS

RADIAL RIB - 2
6TH RIB OVERALL

SIZE	DWG. NO.	REV
D	D - 004	1

SCALE: 1:8 | SHEET 1 OF 1