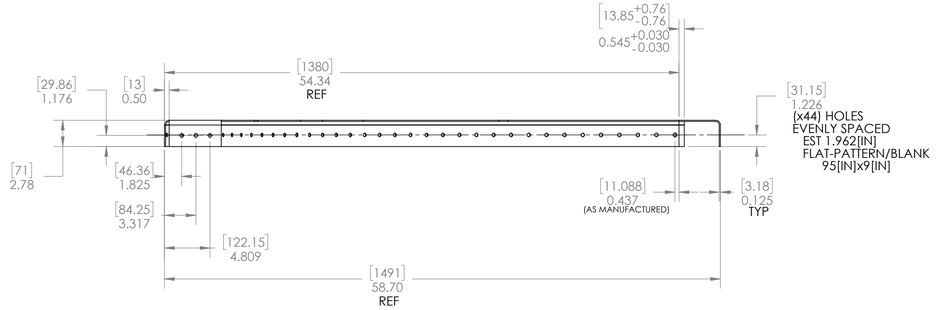
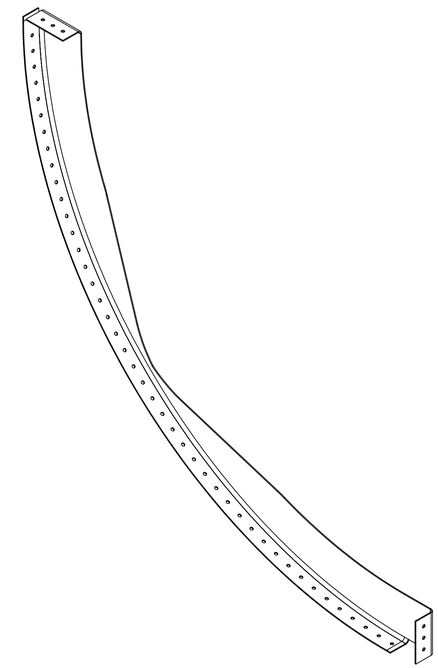
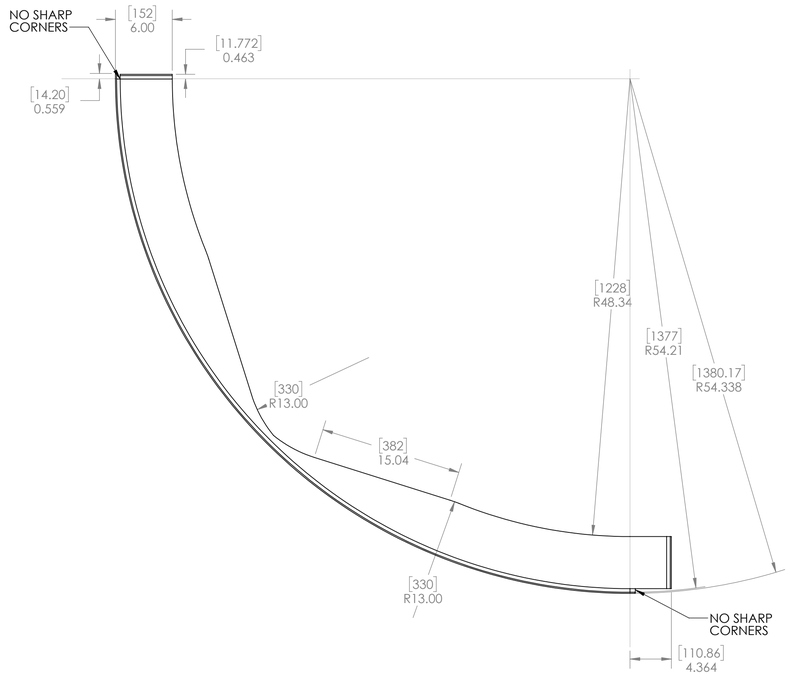
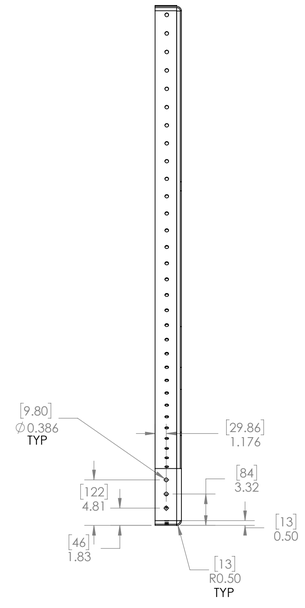
| ITEM NO. | PART NUMBER | DESCRIPTION | WEIGHT | QTY. |
|---|---|---|---|---|
| 1 | Rib Radius 32<br>20210421 S | T6061-T6 | 8.1 | 1 |






NOTES:
NO SHARP EDGES
FORMING 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 AMBIENT TEMP (T) | EXAMPLE AMBIENT 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 = 0.000013 [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[%]
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)*(CTE[1/R])*(TEMP-59)
dL(SI) = (DIM)*(CTE[1/K])*(TEMP-15)
***TOLERANCES DO NOT CHANGE

CREO DESIGNS, ENG DPT

TITLE: GLORIOUS CROSS
RADIAL RIB - 1
RIB - 4

| SIZE | DWG. NO. | REV |
|---|---|---|
| D | C - 010 | 1 |

SCALE: 1:8 | SHEET 1 OF 1