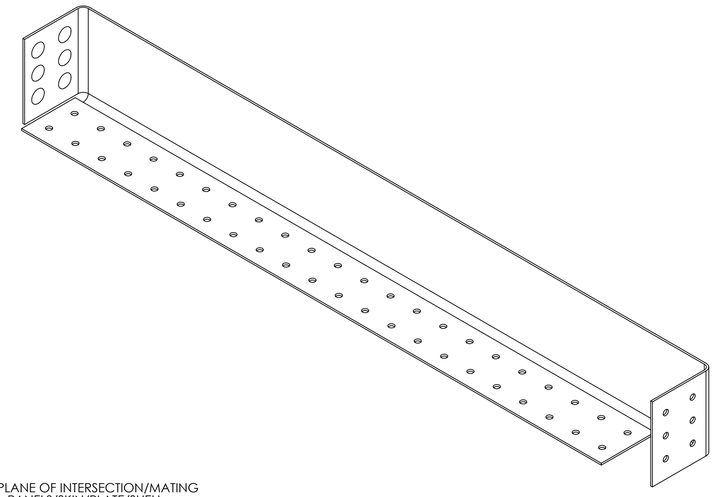
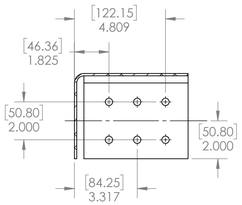
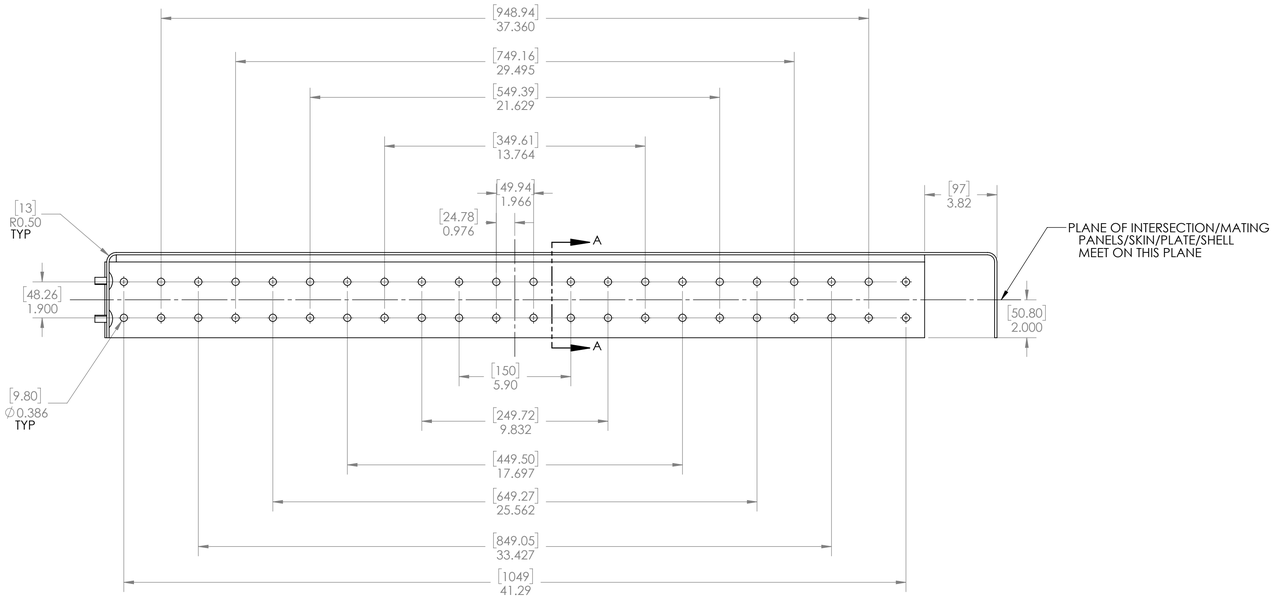
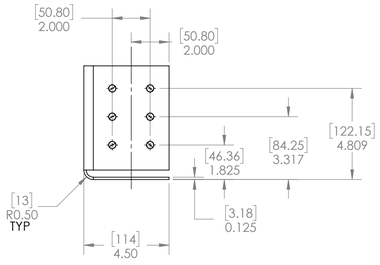
ITEM NO.	PART NUMBER	DESCRIPTION	WEIGHT [LBF]	QTY.
1	Rib 32 20210118 S	TOP/UPPER RIB FOR PR1 MATERIAL AL T6061-T6	6.15	1
2	Rivet Brazier 3t 20200514 S	WORKING THICKNESS (WT) 0.375[IN]	0.0146	6

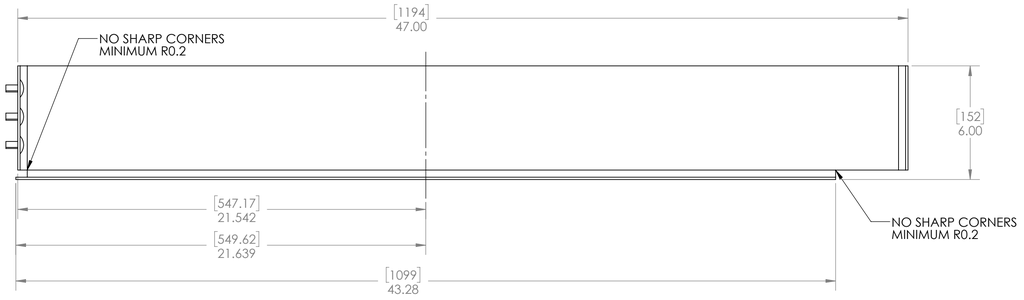




SECTION A-A







NOTES:
NO SHARP EDGES
MATERIAL:
T6061-T6, Sy 40[KSI]
RIVETS AL ALLOY
MATING SURFACES
FLATNESS/WARP LESS THAN 0.03[IN]
ASSEMBLY WITHOUT REWORK
CLASS B SURFACE AS BUILT

EXAMPLE: AMBIENT TEMP [F]	EXAMPLE: AMBIENT TEMP [C]	T6061-T6 dL PER 1000[IN]	T6061-T6 dL PER 1000[mm]
45.00	7.22	-0.183	-4.650
59.00	15.00	0.0	0.0
86.00	30.00	0.354	8.994

EXAMPLE:
LET DIM = 47.125[IN] (T6061-T6)
dL = 0.000013118(4 - 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[1/8]
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
RIB - PANEL/SKIN - 1
TOP/BOTTOM TYPICAL

SIZE	DWG. NO.	REV
D	C - 002	1
SCALE: 1:4		SHEET 1 OF 1