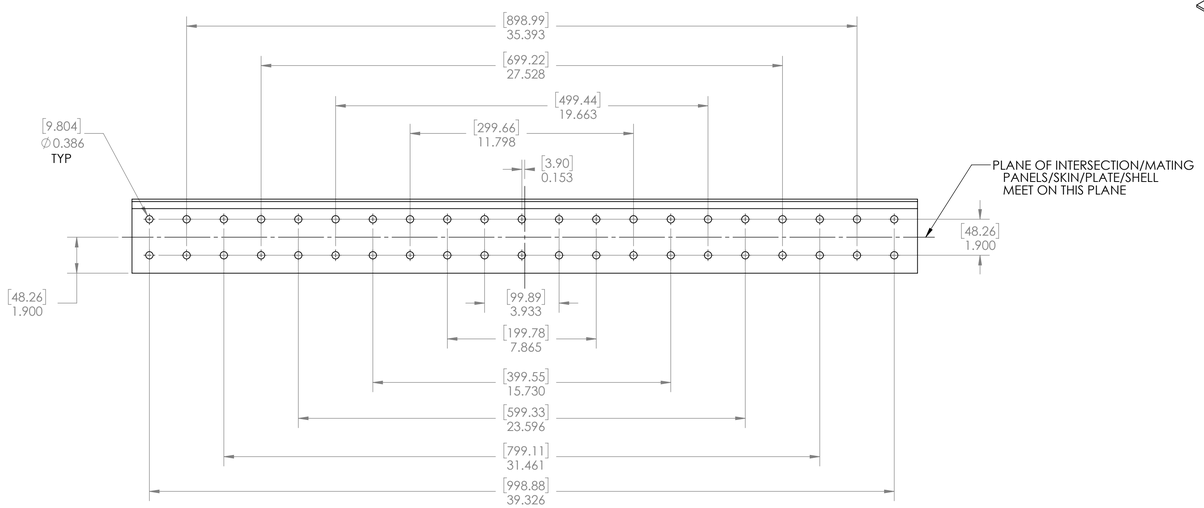
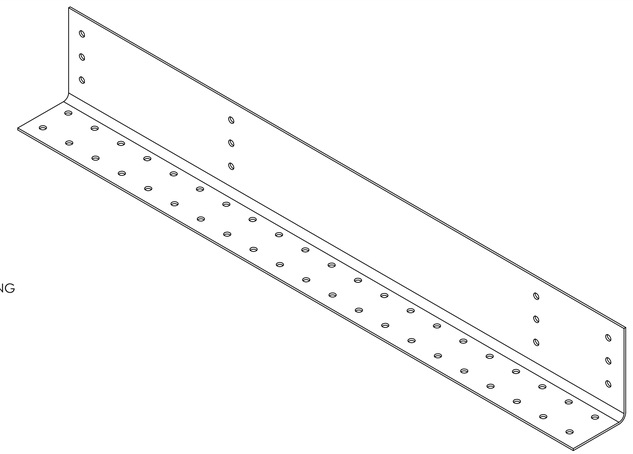
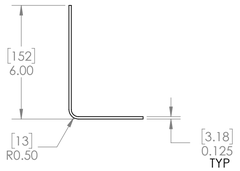
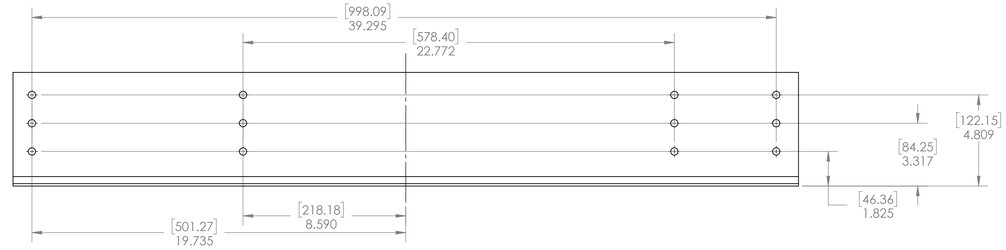
ITEM NO.	PART NUMBER	DESCRIPTION	WEIGHT	QTY.
1	Rib 33 20210421 S	SIDE RIB P41	4.78	1









NOTES:
MATERIAL:
T6061-T6, Sy 40[KSI]
RIVETS AL ALLOY
NO SHARP EDGES
MATING SURFACES
FLATNESS/WARP LESS THAN 0.03[IN]
ASSEMBLY WITHOUT REWORK
CLASS B SURFACE AS BUILT
USED ON PR-1, FIRST PANEL ROW, ONLY

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	-4.658
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[%]
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 COEFFICENT (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 - 3

SIZE	DWG. NO.	REV
D	C - 004	1

SCALE: 1:4 SHEET 1 OF 1