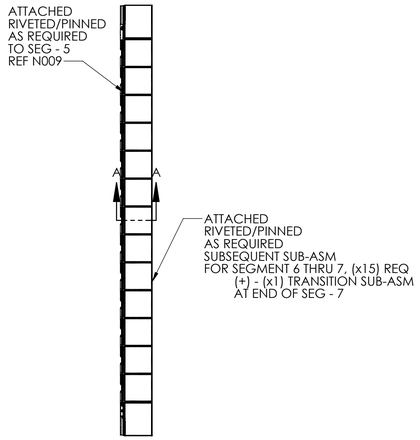
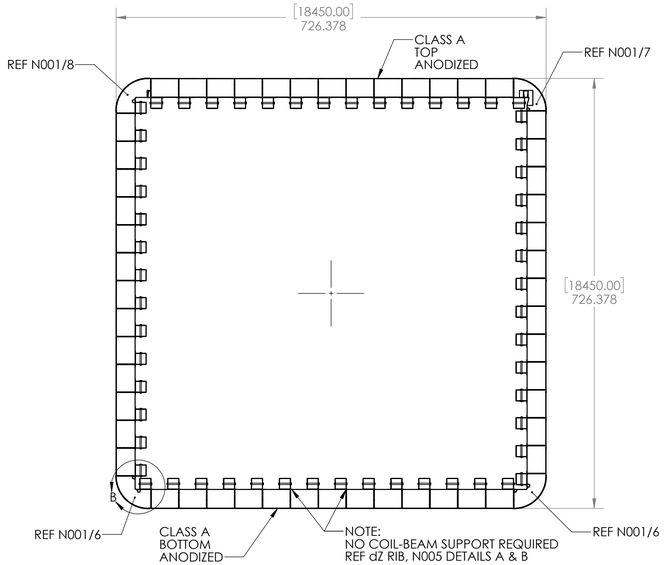
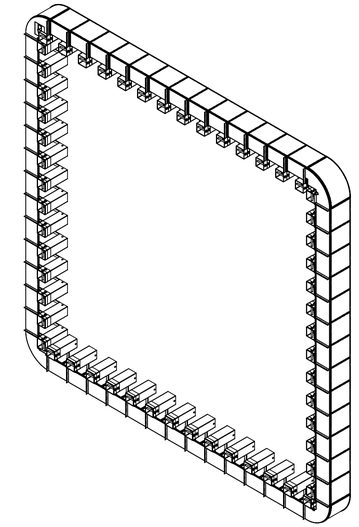
ITEM NO.	PART NUMBER	DESCRIPTION	WEIGHT	QTY.
1	Panel sq 47.125in 20200513			52
2	Rivet Brazier 2t 20200514			4784
3	Rib 8 20200530			56
4	Coilbeam ii 20200531			56
5	Coil Conct Base i 20200531			56
6	Coil Connect ii 20200531			56
7	Coil Connect brace 20200601			56
8	Rivet Brazier 2t 0.125in 20200604			1568
9	Rod connect 10 20200904			112
10	Clevis key 1a 20200904			224
11	Bent pin 2 20200904			224
12	98450A774			224
13	Clevis wash 1a 20200904			336
14	Clevis block 1 20200907			224
15	Rib 9 20200530			39
16	Rivet Brazier 4t 20200514			2240
17	Rib Radius 3 20200515			4
18	Rivet Brazier head for Panel 20200510			544
19	Rib Radius 11 Copy 20210108			2
20	Rib Radius 14 Copy 20210108			1
21	Coilbeam attach Ledge i Copy 20210108			1
22	Rib 11 20200607			13
23	Rib Radius 15 Copy 20210108			1
24	Coilbeam attach Ledge ii Copy 202010108			1

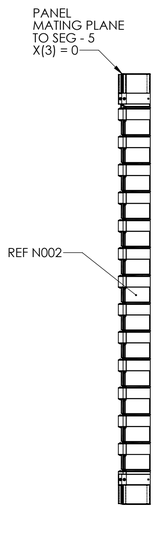
TOTAL WEIGHT OF (x8) SUB-ASM = 68,883[LBF]
TOTAL WEIGHT OF (x15) SUB-ASM = 129,155[LBF]



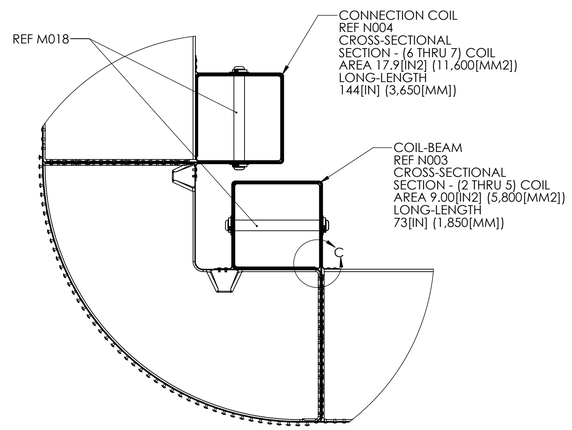




DETAIL C
SCALE 1 : 8



SECTION A-A



DETAIL B
SCALE 1 : 16

NOTE/S:
NO SHARP EDGES/CORNERS
(x15) SUB-ASM COMPLETE 6TH & (7/8) - 7TH SEGMENT/S
(x1) - TRANSITION SUB-ASM IS REQ TO COMPLETE 7TH SEG REF N011
EACH SEGMENT CONSISTS OF (x8) SUB-ASM
TOTAL LENGTH = 706.875[IN]
Xcg = 341[IN]
Ycg = 0[IN]
Zcg = -1[IN]
FORM/SHAPE OF CLASS B PARTS ARE IDEALIZED
ACTUAL TOOLING DRAFT MAY VARY OUTSIDE OF PRINT/TOLERANCE
RIVET/MATING SEGMENTS/ZONES SEPARATION/S TO BE LESS THAN 0.045[IN]
WHERE THE AXIS OF THE RIVET/SARE COLINEAR, THE RIVET-HOLE/S ARE IN-LINE
NO GAP/S ALLOWED AFTER RIVETING
AL, T6061-T6, Sy 40[KSI] MIN
AL, ALLOY, Sy 40[KSI] MIN
CLASS B, AS-BUILT
CLASS A, REF A001, D001
CAD/DATA IS MASTER

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 = 0.000013186 - 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[15]
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/R]*(TEMP-59)
dL[SI] = (DIM)*[CTE1/R]*(TEMP-15)
***TOLERANCES DO NOT CHANGE

CREO DESIGNS, ENG DPT

TITLE: GLORIOUS CROSS
ARM - 6TH SEGMENT
PANEL ARRAY

SIZE	DWG. NO.	REV
D	N - 010	1
SCALE: 1:128		SHEET 1 OF 1