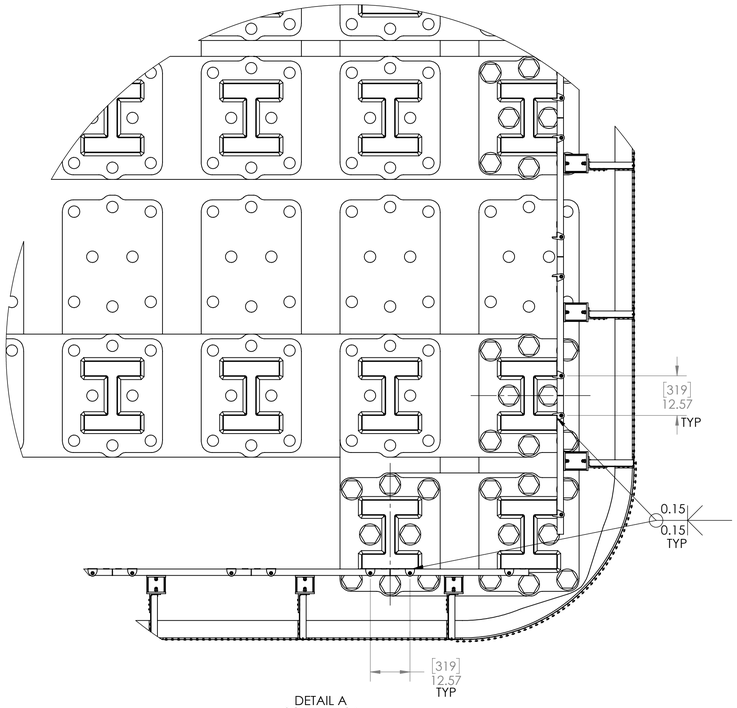
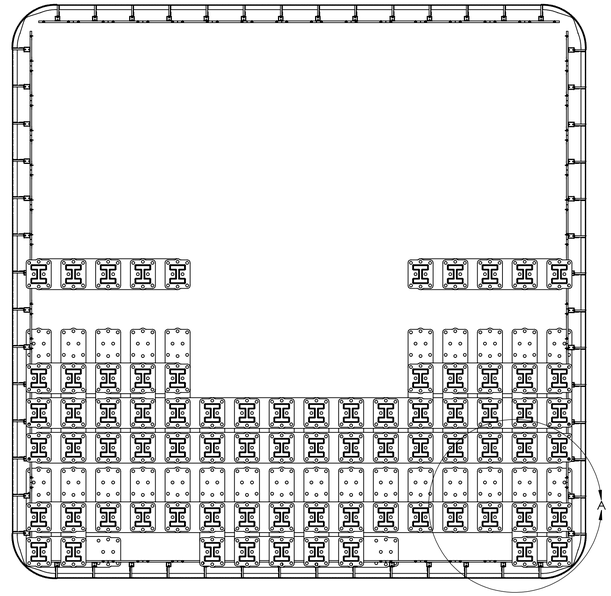
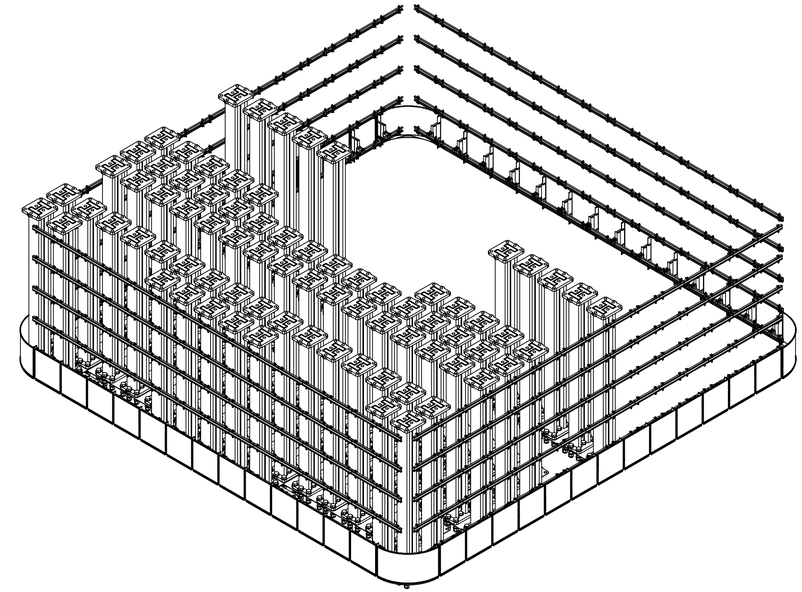
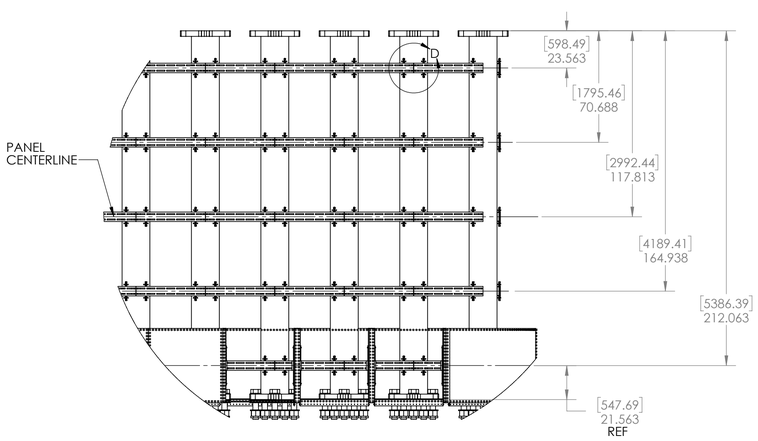


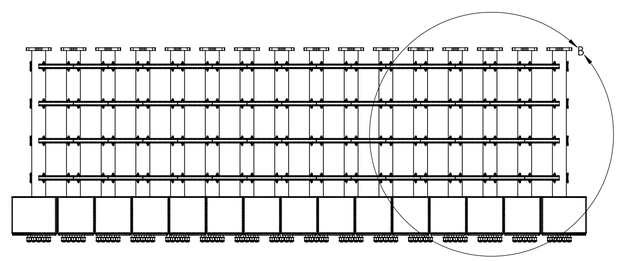
DETAIL A
SCALE 1 : 24

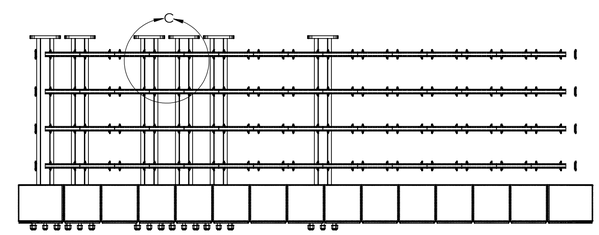


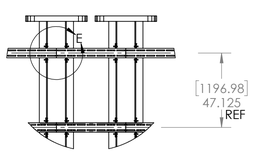




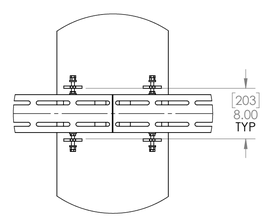
DETAIL B
SCALE 1 : 48



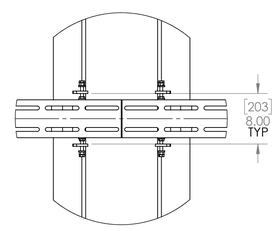




DETAIL C
SCALE 1 : 48



DETAIL D
SCALE 1 : 12



DETAIL E
SCALE 1 : 12

NOTE/S:
REFER TO DRAWINGS C013 AND C014
NO SHARP EDGES/CORNERS
PLATES AISI 1045, Sy 75[KSI]
OXIDATION PROTECTTION POST WELDING/ASSEMBLY
ALUMINIZATION TYPE II (PREF)
GALV. ASTM 123, G100
MASK-OFF MATING SURFACES

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 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[IN]
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

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

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

CREO DESIGNS, ENG DPT

TITLE: GLORIOUS CROSS

C6 CHNL ORIENTATION
W/R STD W14x665

SIZE	DWG. NO.	REV
D	E - 006	1

SCALE: 1:96 | SHEET 1 OF 1