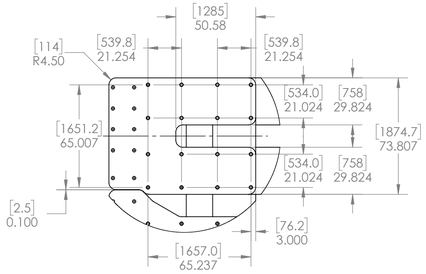
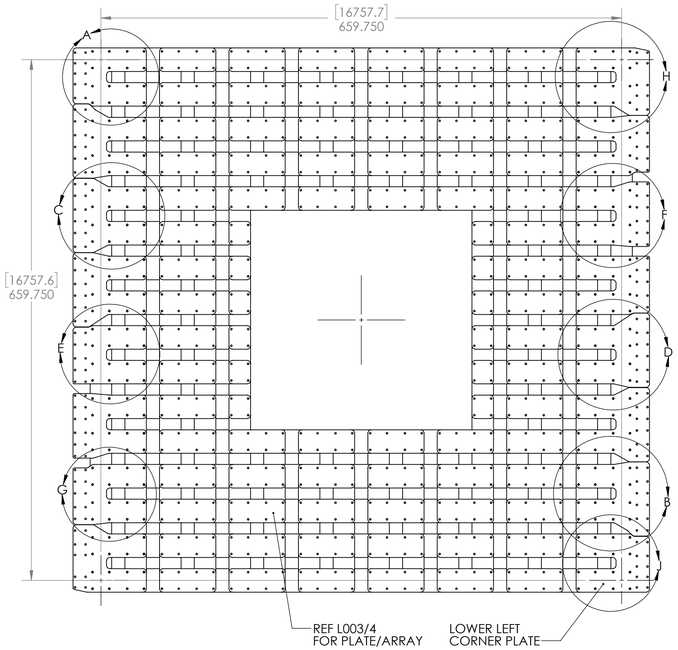
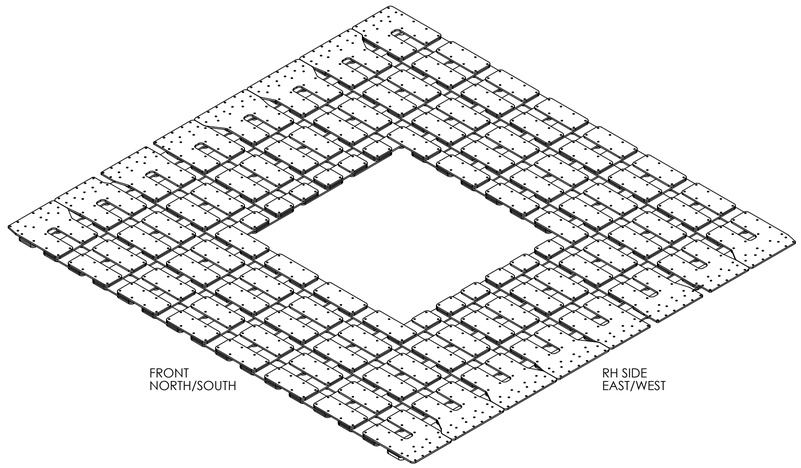
ITEM NO.	PART NUMBER	DESCRIPTION	WEIGHT	QTY.
1	Plate connect 1 20210527 w193 s1 2	2[IN] EAST/WEST CONNECTION PLATE		166
2	Plate connect 2 20210527 w193 s1 2	2[IN] NORTH/SOUTH CONNECTION PLATE		198
3	Shim Plate conct 1 20210527 w193 s1 2	4[IN] SHIM PLATE		2
4	Shim Plate conct 1 20210527 w193 s1 2	2[IN] SHIM PLATE		82
5	Connect plate beam to main 1 20210615			2
6	Connect plate beam to main 2 20210615			2
7	Connect plate beam to main 3 20210615			2
8	Connect plate beam to main 4 20210615			2
9	Connect plate beam to main 5 20210615			2
10	Connect plate beam to main 6 20210615			2
11	Connect plate beam to main 7 20210615			2
12	Connect plate beam to main 8 20210615			2

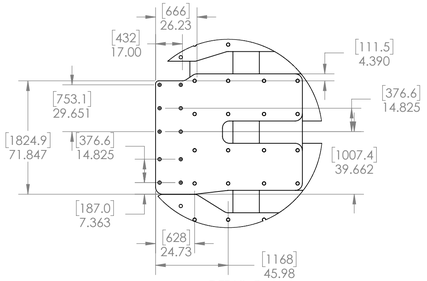


TYPICAL DIMENSIONS OVER
(x2) W14x193 BEAMS

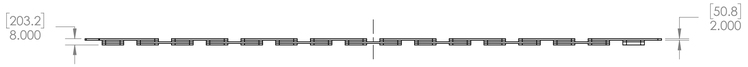
DETAIL A
SCALE 1 : 48

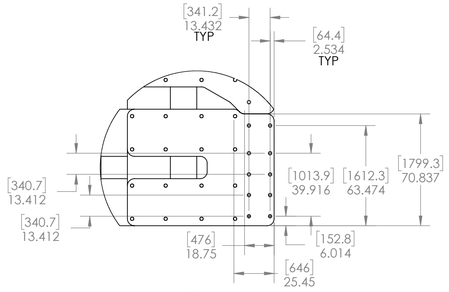




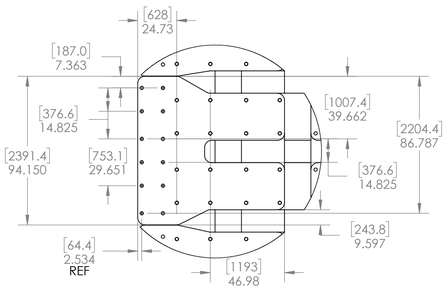


DETAIL G
SCALE 1 : 48

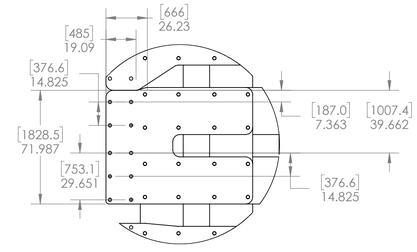




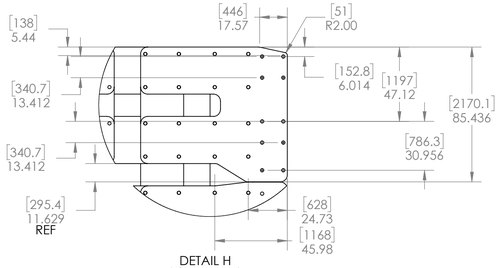
DETAIL J
SCALE 1 : 48



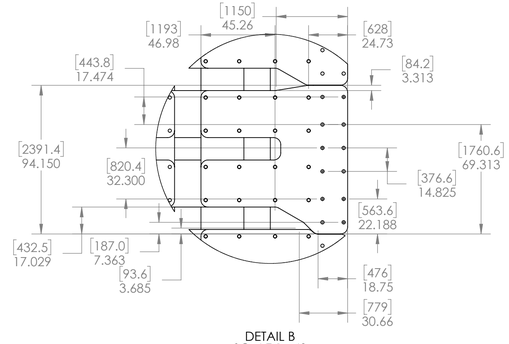
DETAIL C
SCALE 1 : 48



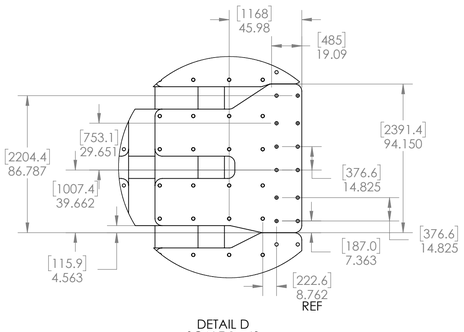
DETAIL E
SCALE 1 : 48



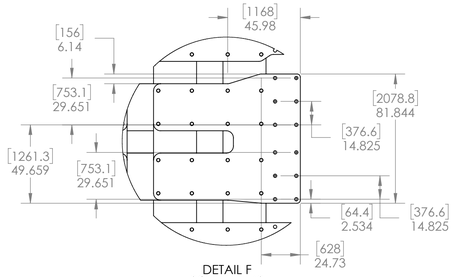
DETAIL H
SCALE 1 : 48



DETAIL B
SCALE 1 : 48



DETAIL D
SCALE 1 : 48



DETAIL F
SCALE 1 : 48

NOTE/S:
DEFINITION:
INT = INTERSECTION
TRANS = TRANSITION
NO SHARP EDGES/CORNERS
W14, ASTM A913 G65, Sy 65[KSI]
W6-BEAMS, Sy 42[KSI] (PERF A572 G42)
C6-BEAMS, Sy 36[KSI]
AL, T6061-T6, Sy 40[KSI] MIN
AL, ALLOY, Sy 40[KSI] MIN
PLATE/S AISI 1045, Sy 75[KSI] (MIN)
ALUMINIZATION TYPE II (PREF)
GALVINIZE ASTM A123 G100 ACCPTABLE
MASKING OF MATING SURFACES
OIL-SHEEN, SAE 50+, PRIOR TO ASM
NO AGGLOMERATION OF OIL
AL/ALLOY TO STEEL INTERFACE, POLYMER FILM OR OTHER
MINIMIZE/NEUTRALIZE IONIC EXHANGE
BOLT/S ASM G8
CLASS B, AS-BUILT
REFERENCE BOLT PATTERS ON MAIN SUB-ASSEMBLIES
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 = 0.000013139[IN - 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: 0.5[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/R])*(TEMP-15)
***TOLERANCES DO NOT CHANGE

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

CREO DESIGNS, ENG DPT

TITLE: GLORIOUS CROSS

INT - C126 PLATE-ARRAY W/TRANS-PLATE/S

SIZE	DWG. NO.	REV
D	M - 010	1

SCALE: 1:96 SHEET 1 OF 1