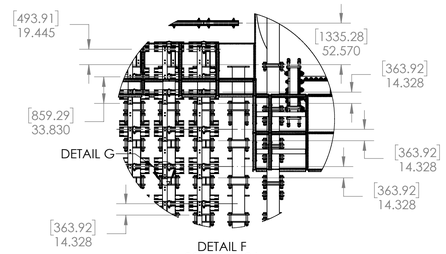
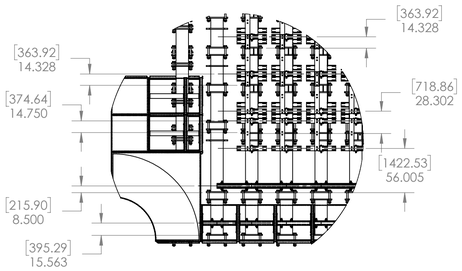
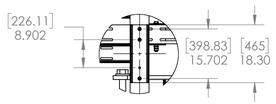


DETAIL F
SCALE 1 : 96

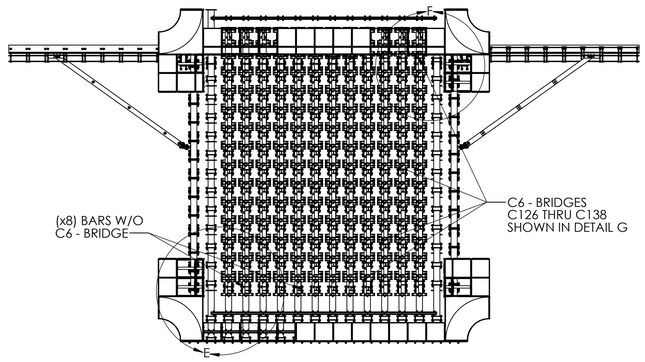


DETAIL E
SCALE 1 : 96

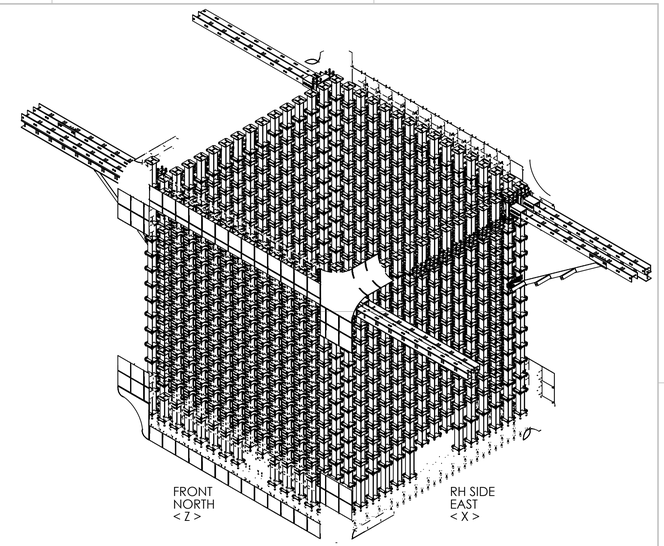


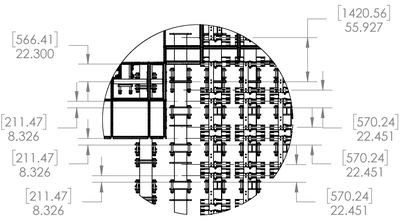
C6x10.5 BRIDGE
(X140) REQUIRED

DETAIL G
SCALE 1 : 24

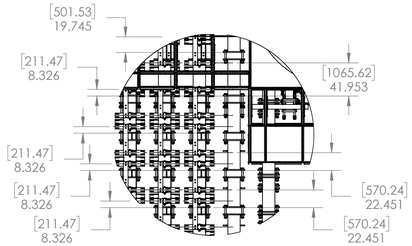


BACK/SOUTH FACE OF INTERSECTION
SHOWING W6 PANEL SUPPORTS
SHOWING C6 PANEL SUPPORTS
REF M001 & M056

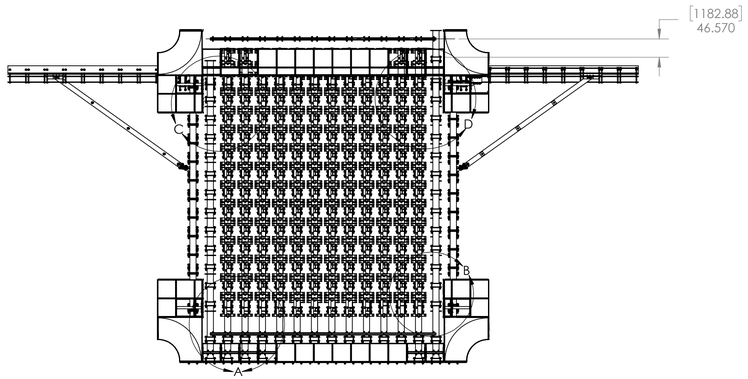




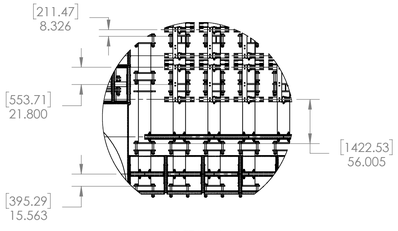
DETAIL C
SCALE 1 : 96



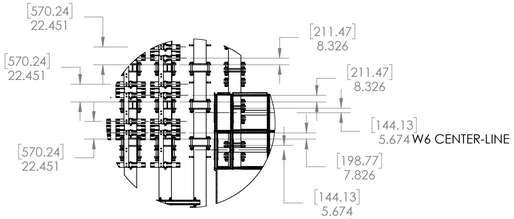
DETAIL D
SCALE 1 : 96



FRONT/NORTH FACE OF INTERSECTION
SHOWING W6 PANEL SUPPORTS
SHOWING C6 PANEL SUPPORTS
REF M001 & M056



DETAIL A
SCALE 1 : 96



W6 CENTER-LINE
FROM TOP OF BEAM
SPACED EVERY 47.125[IN]

DETAIL B
SCALE 1 : 96

NOTE/S:
REF M001
DEFINITION:
INT = INTERSECTION
NO SHARP EDGES/CORNERS
W14/W10, 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
CAD/DATA IS MASTER

EXAMPLE AMBIENT TEMP [F]	EXAMPLE AMBIENT TEMP [C]	T6061-T6 (80 FT) (1000)[IN]	T6061-T6 (80 FT) (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 = 0.000013 [(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 TO MATERIAL SUPPLIER FOR THERMAL EXPANSION COEFFICIENT (CTE)

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

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

INT - W6/C6 PANEL
WELDING/POSITIONS

SIZE	DWG. NO.	REV
D	M - 057	1

SCALE: 1:192 SHEET 1 OF 1