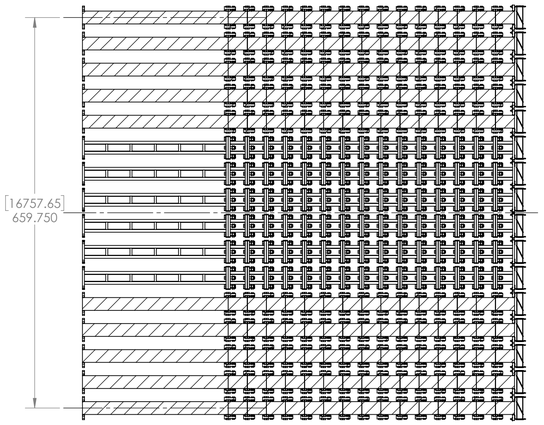
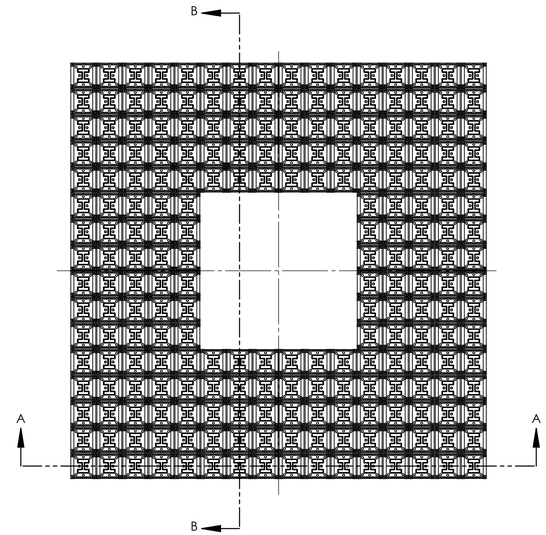
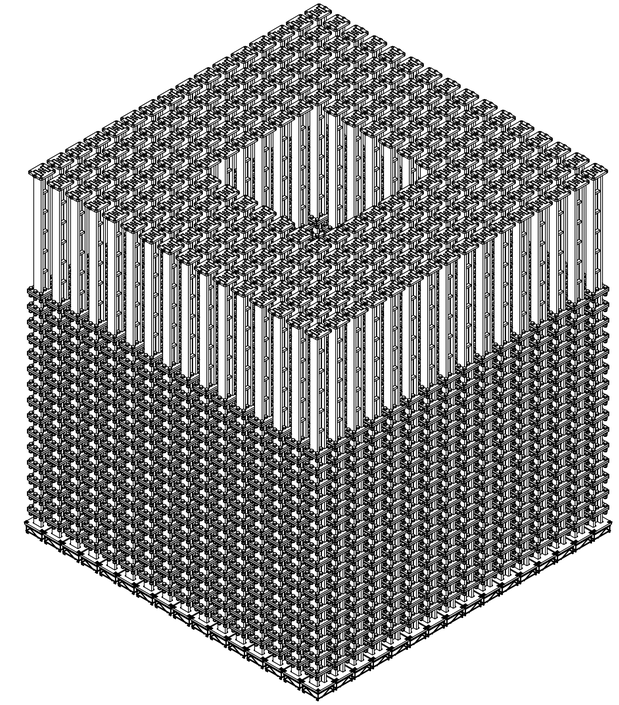
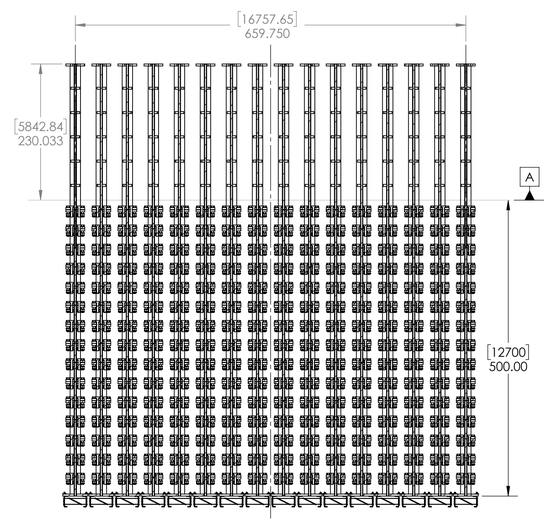


SECTION B-B







SECTION A-A

NOTES: FOR REFERENCE
REFERENCE A002, B002 AND B010
BEAM/S ASTM A913 G65
PLATE/S AISI 1045, Sy(MIN) 75[KSI]
ASSEMBIES GALVINIZED ASTM A123 G100
INTERFACE/S GROUND FLAT
INTERFACE/S RUST PROTECTED WITH OIL FILM, SAE 50+
REBAR, REFERENCE B011
BUILD PERFERENCE
ASSEMBLE AS SHOWN
PLACE AT LEAST (x3) LAYERS OF CONNECTION PLATES
FINAL INSPECTION PRIOR TO CONCRETE POUR
INSPECTION FOR FLATNESS
INSPECTION FOR LEVEL
INSPECTION OF REBAR
ANY FIELD ADJUSTMENTS MUST BE PROTECTED
OXIDATION IN SALTY AIR

EXAMPLE AMBIENT TEMP [F]	EXAMPLE AMBIENT TEMP [C]	T6061-T6 (6061-T6) (0.0[IN])	T6061-T6 (6061-T6) (0.00[mm])
45.00	7.22	-0.183	-4.648
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 = 0.000013130[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 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[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 0.0020[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

FOUNDATION BEAM ARRAY (x220)

SIZE	DWG. NO.	REV
D	B - 012	1

SCALE: 1:128 | SHEET 1 OF 1