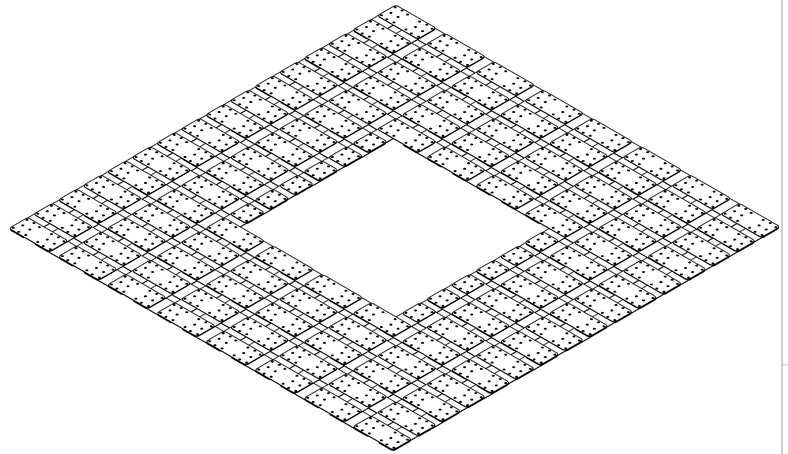
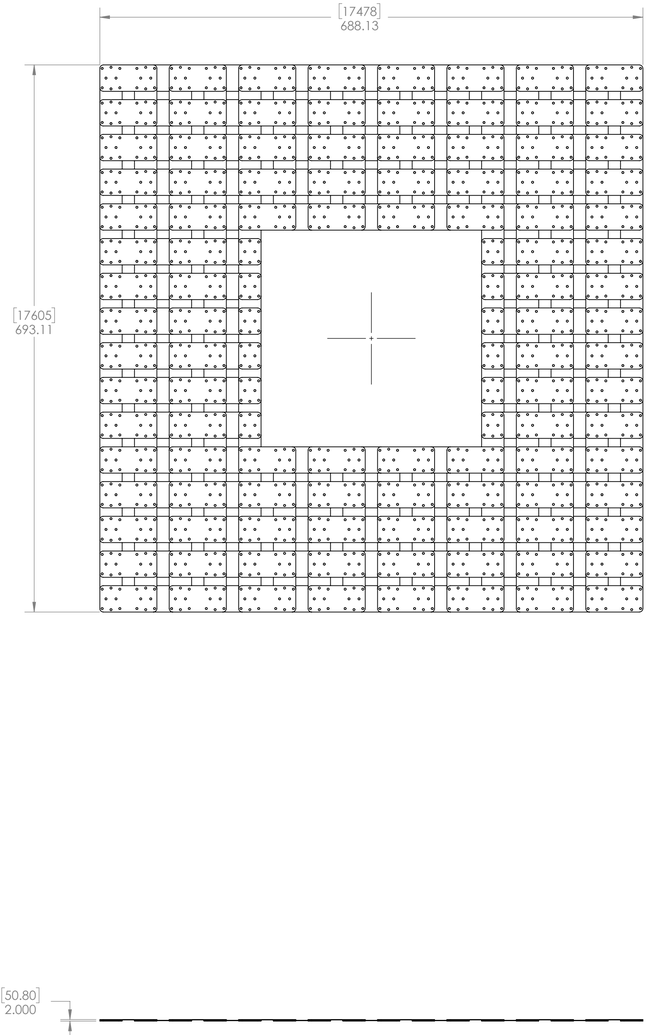
ITEM NO.	PART NUMBER	DESCRIPTION	WEIGHT	QTY.
1	Plate connect 1 20210524 w455	EAST/WEST PLATES		198
2	Plate connect 2 20210524 w455	NORTH/SOUTH PLATES		198
3	Shim Plate conct 1 20210524 w455	1[IN] THICK		4
4	Shim Plate conct 1 20210524 w455	(1/2)[IN] THICK		80

TOTAL WEIGHT W/O OXIDATION PROTECTION = 134,885[LBF]





NOTE/S:
FOR PART DIMENSIONS REF G004
CAD 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 = 0.0000131(86 - 59)47.125
dL = 0.0167[IN] (0.424[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[75]
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)*(CTE)(1/K)*(TEMP-59)
dL(S) = (DIM)*(CTE)(1/K)*(TEMP-15)
***TOLERANCES DO NOT CHANGE

CREO DESIGNS, ENG DPT

TITLE: GLORIOUS CROSS
W14x455 CONNECTION PLATE ARRAY

SIZE	DWG. NO.	REV
D	G - 005	1

SCALE: 1:96 | SHEET 1 OF 1