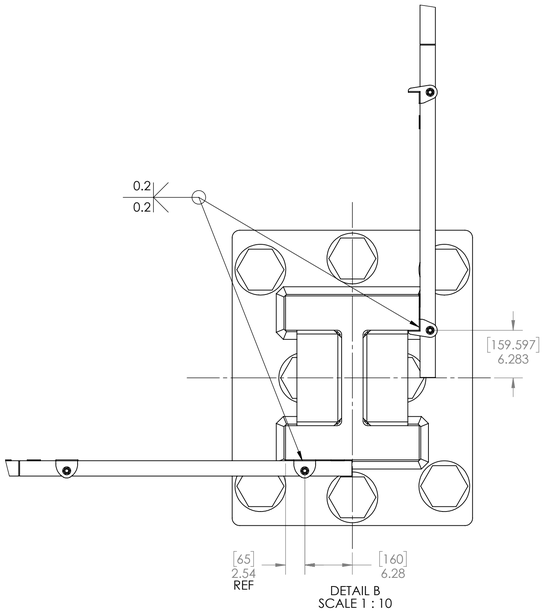
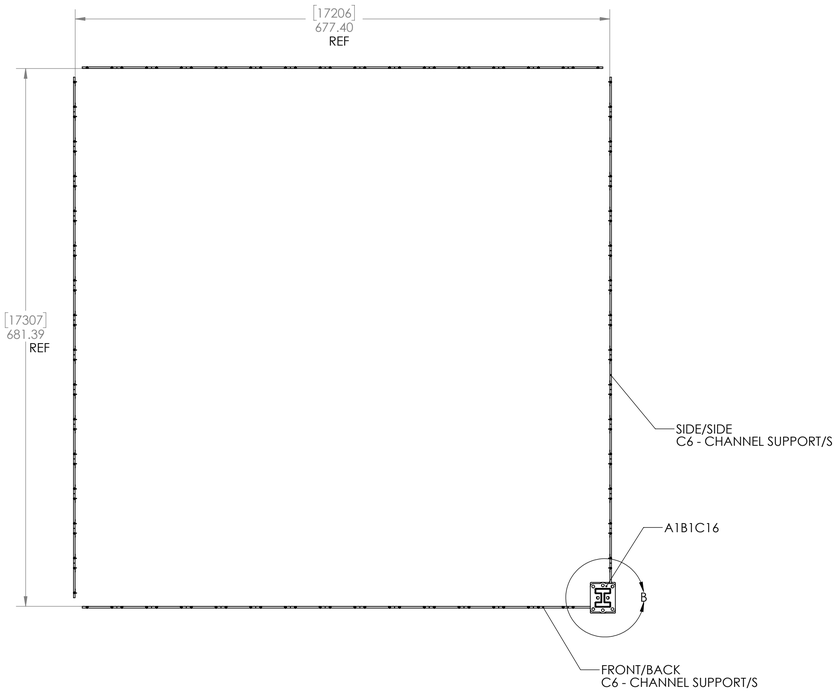
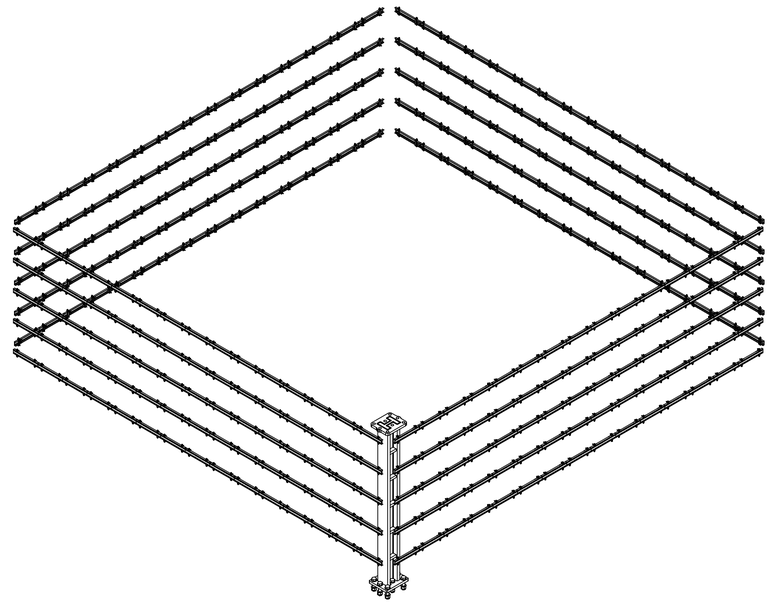
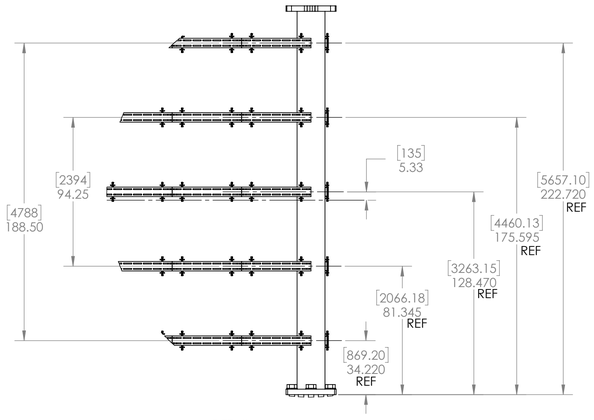


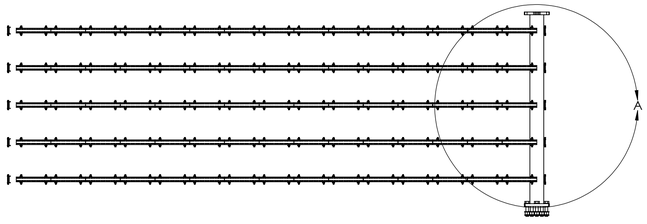
DETAIL B
SCALE 1 : 10







DETAIL A
SCALE 1 : 48



NOTES:
NO SHARP EDGES
  MINIMUM FORMING/STAMPING RADIUS 0.2[IN]
MATERIAL:
  AISI 1045
  A36 C6 BEAM OR BETTER
  BOLT ASM G8
  OXIDATION PROTECTION
    ALUMINIZED TYPE II (PREFERED)
    GALVINIZE G100
CLASS B SURFACE AS BUILT
NO REWORK FOR ASSEMBLY OF PANELS/ROW
TYPICAL C6 CHANNEL ASSEMBLIES FOR ALL COLUMNS
  FRONT/BACK
  SIDE/SIDE
WELD/ASSEMBLE W-BEAM (I-BEAM)
  DIMENSIONAL CHECK OF ASSEMBLY
  MASKING THEN ALUMINIZATION OR GALVINIZATION
CAD DATA IS MASTER
  DIMENSIONS ARE FOR REFERENCE
  PRINT TOLERANCES TO BE HELD
EST. TOTAL WEIGHT OF C6 ARRAY, (x5) ROWS
  W/O ALUMINIZATION/GALVINIZATION, 11,850[LBF]

EXAMPLE AMBIENT TEMP [F]	EXAMPLE AMBIENT TEMP [C]	T6061-T6 dL PER [1000IN]	T6061-T6 dL PER [1000mm]
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 = 0.000015[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[1/8]
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/R])*(TEMP-59)
dL(SI) = (DIM)*(CTE[1/K])*(TEMP-15)
***TOLERANCES DO NOT CHANGE

CREO DESIGNS, ENG DPT

TITLE: GLORIOUS CROSS
C6 - SUPPORT ASM
FOR PR-1, C16

SIZE	DWG. NO.	REV
D	C - 014	1

SCALE: 1:96 | SHEET 1 OF 1