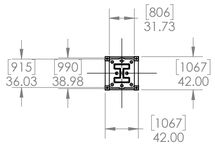
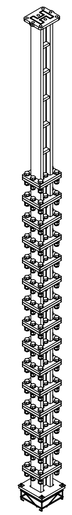
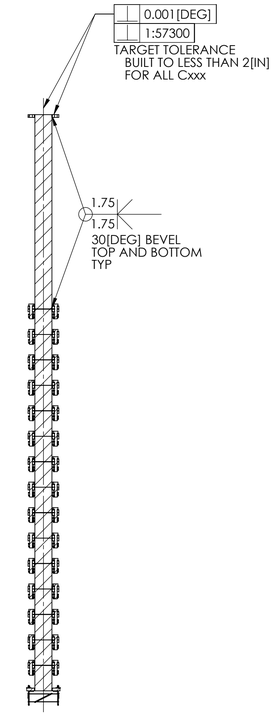
ITEM NO.	PART NUMBER	DESCRIPTION	WEIGHT	QTY.
1	Beam found array 1 asm 20210324		83804	1

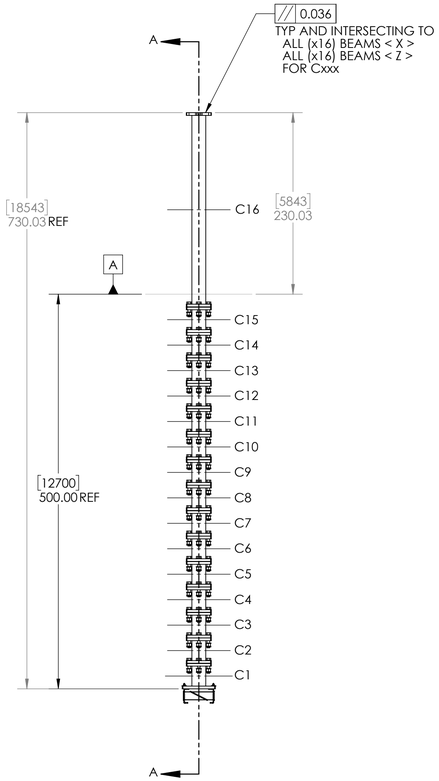


FOR REF





SECTION A-A



NOTES:
NO SHARP EDGES, DULLED TO MINIMUM (1/128)"
BEAM/S ASTM A913 G65, Sy 65[KSI]
PLATE/S AISI 1045, Sy GREATER THAN 75[KSI]
BEAM ASSEMBLY GALVINIZED ASTM A123 G100
  BEAM-PLATE TOP
  BEAM-PLATE BOTTOM
  BEAM-W14x665
ANCHOR-HOOK ASSEMBLY
  WELDED TOGETHER
  GALVINIZED OR OTHER RUST PROTECTIVE MEASURE/S
REBAR GALVINIZED ASTM A123 G100
BOLTS/NUTS/WASHERS GRADE 8, GALVINIZED
BEAM-PLATE MATING SURFACES TO BE MASKED
  TOP
  BOTTOM
  BOLT HOLES
JUST PRIOR TO ASSEMBLY
  REMOVE PROTECTIVE POLY-FILM
  ADD THIN FILM OF HIGH VISCOSITY OIL, SAE 50+
    NO AGGLOMERATION/POOLING TO AFFECT LEVELING

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 = 0.000013 [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[%]
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
ASM FOUNDATION
BEAM TO TRANSITION

SIZE	DWG. NO.	REV
D	B - 010	1

SCALE: 1:96 | SHEET 1 OF 1