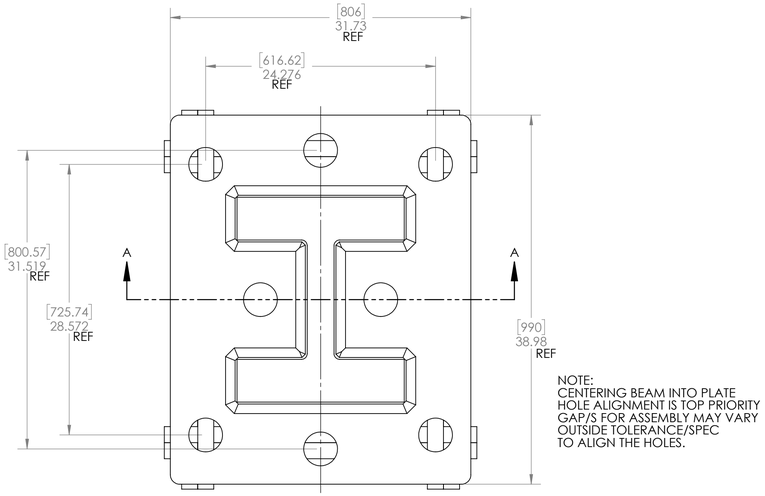
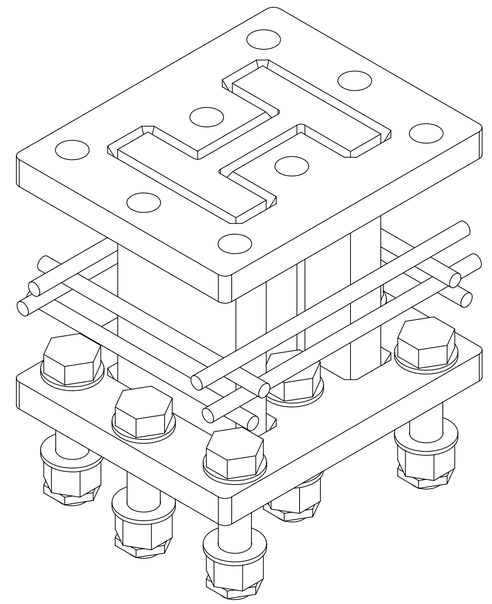
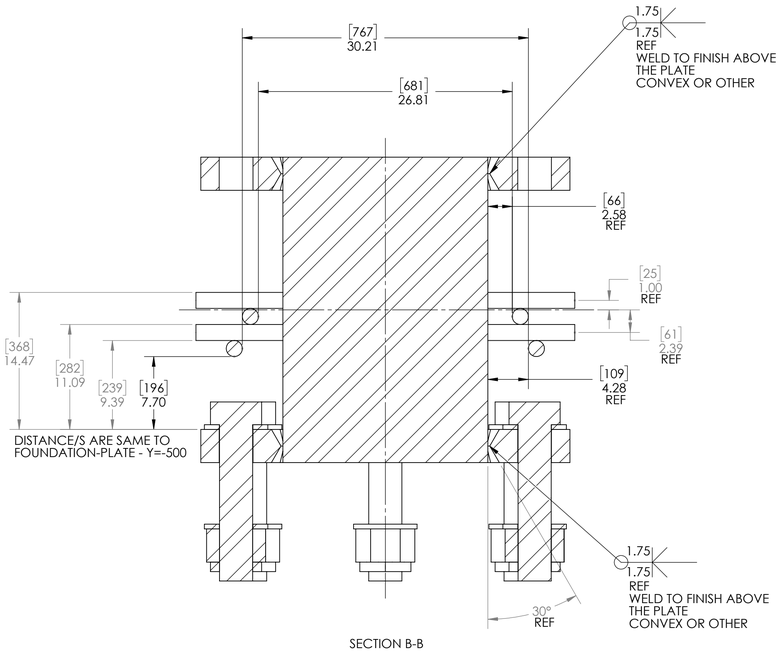
ITEM NO.	PART NUMBER	DESCRIPTION	WEIGHT	QTY.
1	W14X665 2 20210324 S3			1
2	Plate found W14x665 1 20210324 S3			1
3	Plate beam found bolt asm 1 20210405 S3			1
	Plate found W14x665 1 20210324 S3			1
	Bolt ASM 3.5in HD 14.5in 1 20210405 S3			8
	bolt 3.5in HD 1 20210310 S3	GRADE 8, 3.5[IN]-4TPI, L 16.5[IN]	65	1
	nut 3.5in HD 1 20210310 S3	NUT GRADE 8, 3.5[IN]-4TPI	16	1
	wash 3.5in HD 1 20210310 S3	LOCK-NUT GRADE 8, 3.5[IN]-4TPI HEIGHT 1[IN]		2
	nut 3.5in HD 1 half 20210310 S3		4.7	1
4	Rebar n14 1 20210405 S3	#14 REBAR, DIA 1.693[IN]		4
5	Rebar n14 1 20210405 S3	#14 REBAR, DIA 1.693[IN]		4

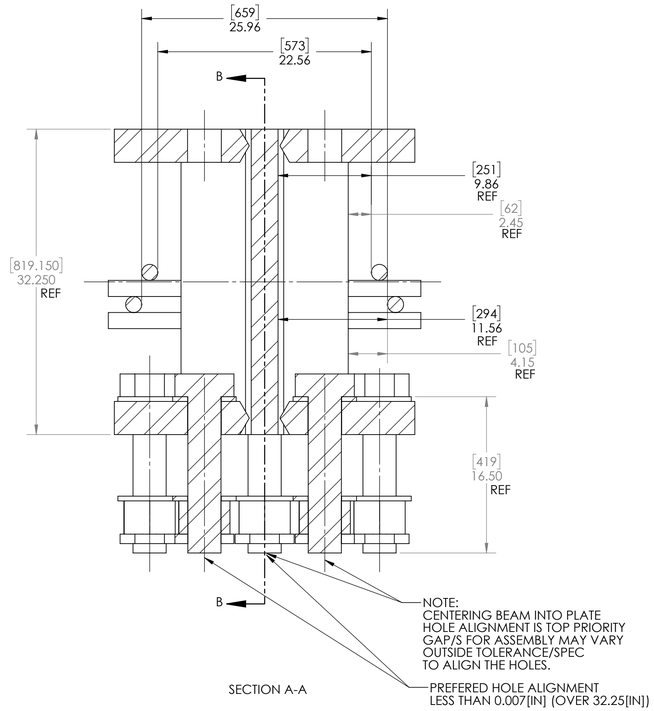


NOTE:
CENTERING BEAM INTO PLATE
HOLE ALIGNMENT IS TOP PRIORITY
GAP/S FOR ASSEMBLY MAY VARY
OUTSIDE TOLERANCE/SPEC
TO ALIGN THE HOLES.





SECTION B-B



SECTION A-A

NOTES:
NO SHARP EDGES, DULLED TO MINIMUM (1/128)"
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 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 = 0.000013128(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 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[%]
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

REBAR ORIENTATION 1

SIZE	DWG. NO.	REV
D	B - 008	1
SCALE: 1:8		SHEET 1 OF 1