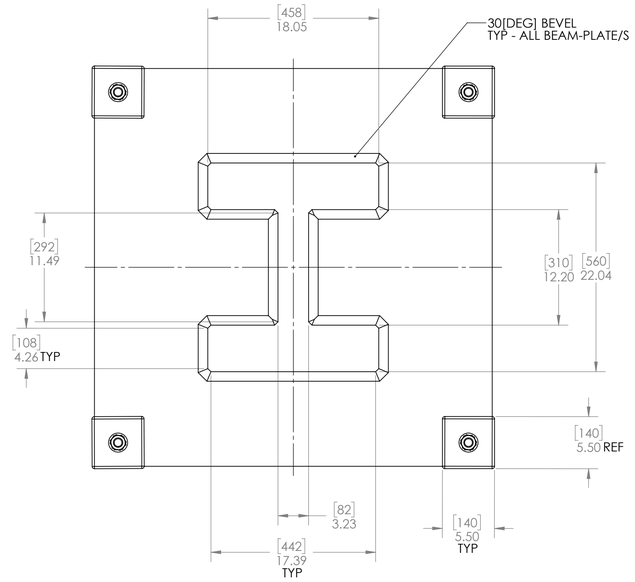
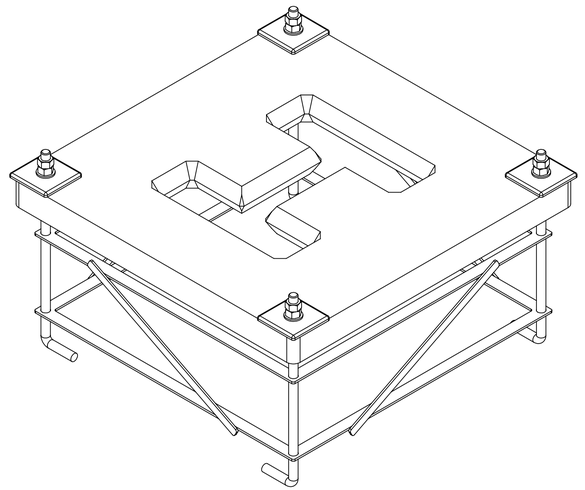
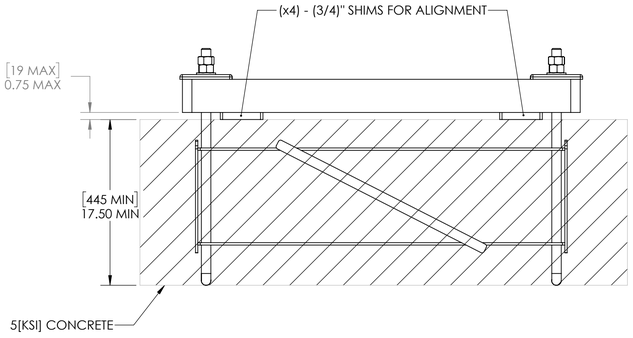
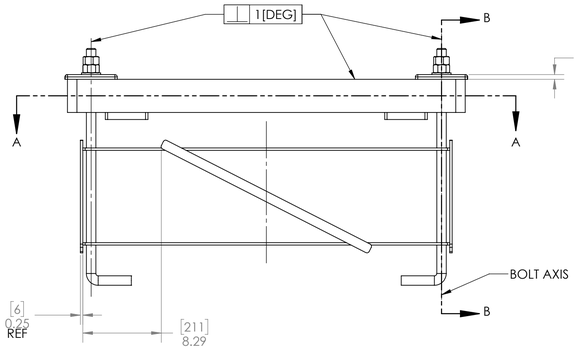
ITEM NO.	PART NUMBER	DESCRIPTION	WEIGHT [LBF]	QTY.
1	Plate found W14x665 2 20210413 S	BEAM-PLATE FOR W14X665 WITH 30[DEG] BEVEL	1452	1
2	Bolt Anchor found 1in 8tpi 1 20210413 S			4
	91603A440			1
	93827A277			2
	98180A240			1
	Washer plate 1in 1 20210413 S			1
	Mortar slug 1 20210413 S			1
3	Plate found anch bolt align 1 20210413 S			2
4	Plate found anch bolt align 2 20210415 S			4
5	Shim pack found 1 20210505 S			4

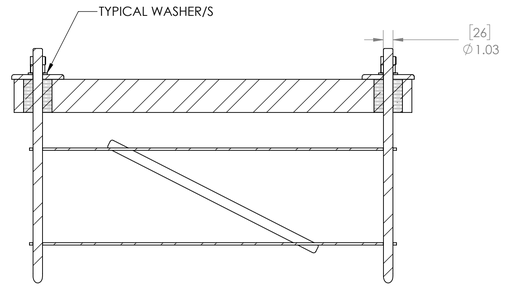
TOTAL WEIGHT (APPROX. W/WELD): 1685[LBF]



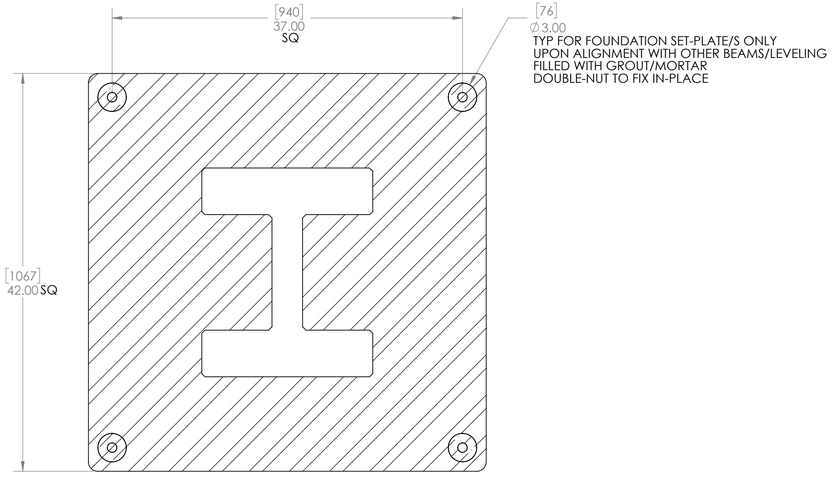








SECTION B-B



SECTION A-A

NOTES:
NO SHARP EDGES, DULLED TO MINIMUM (1/128)"
SHIM/S AS REQ, ALUMINUM ALLOY, T6061-T6 PREFERED
4.5[IN] x 4.5[IN], PLACED NEAR (ABOUT 4") FROM PLATE-EDGE
USE OF FOIL IS ACCPETABLE, 0.75[IN] MAXIMUM THICKNESS

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 = 0.000015*(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[5%]
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
FOUNDATION PLATE
VISUAL PLACEMENT

SIZE	DWG. NO.	REV
D	B - 005	1

SCALE: 1:8 | SHEET 1 OF 1