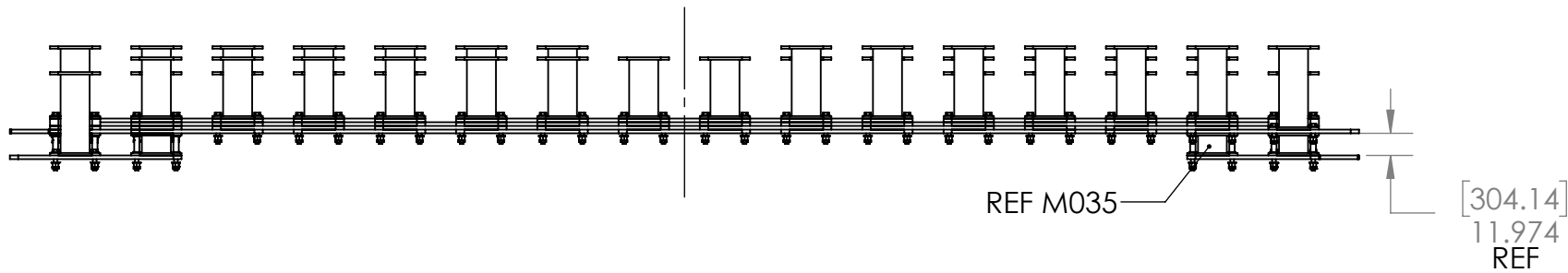
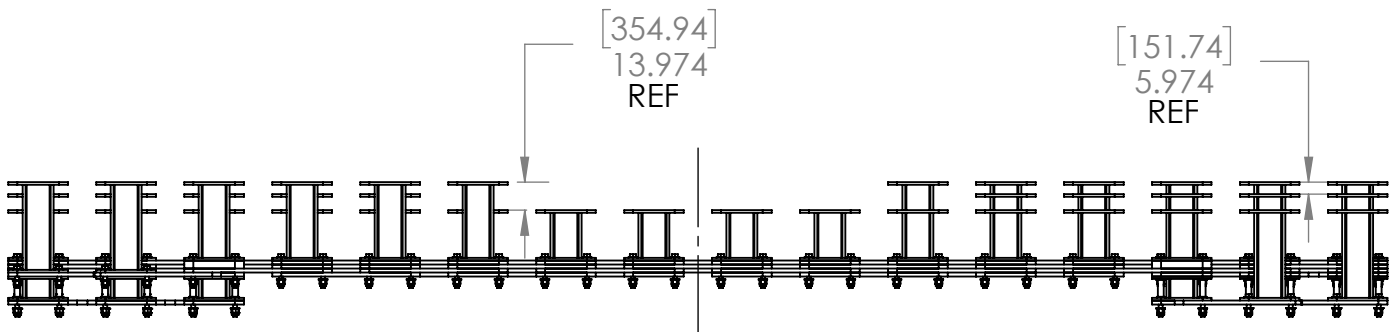
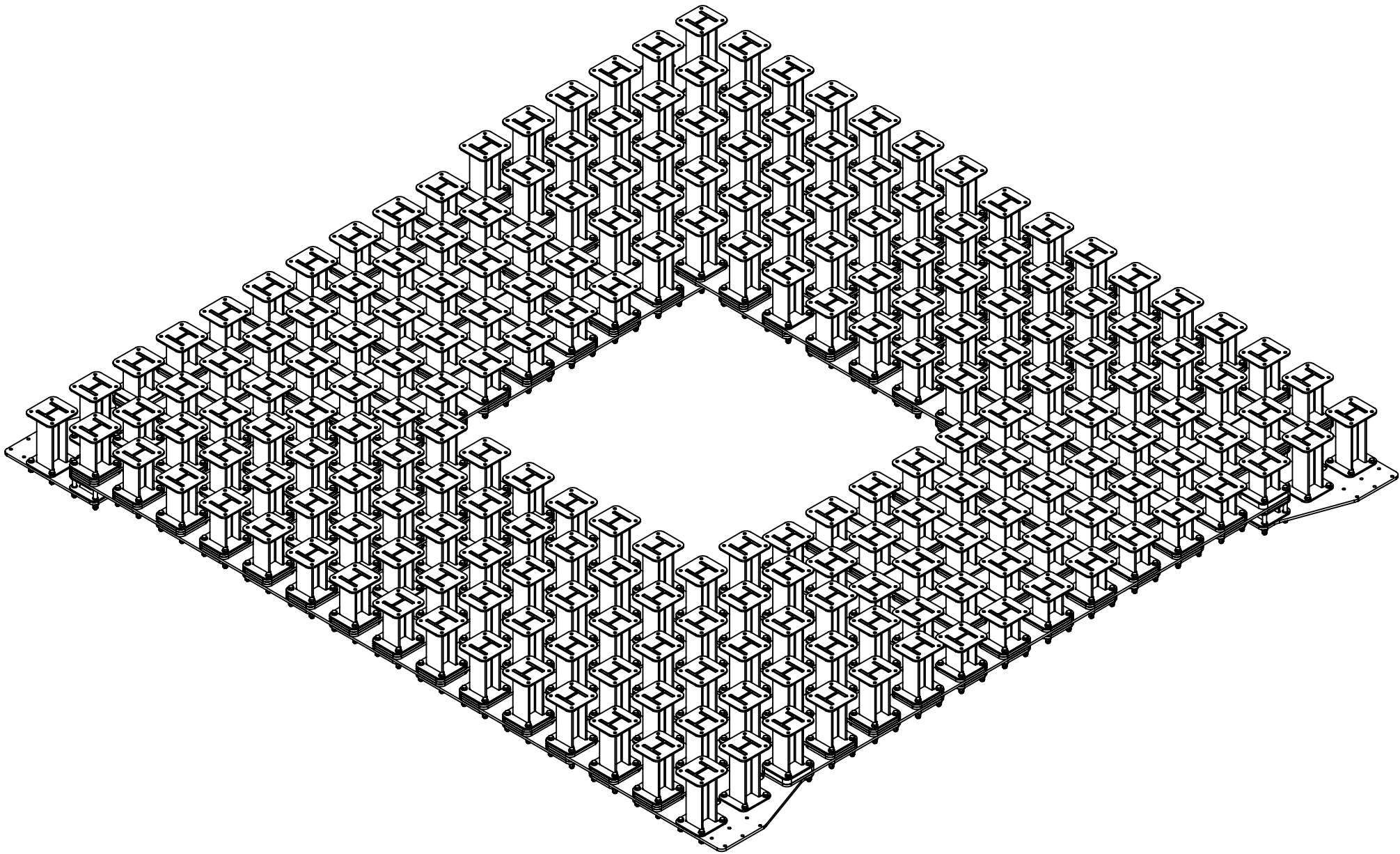
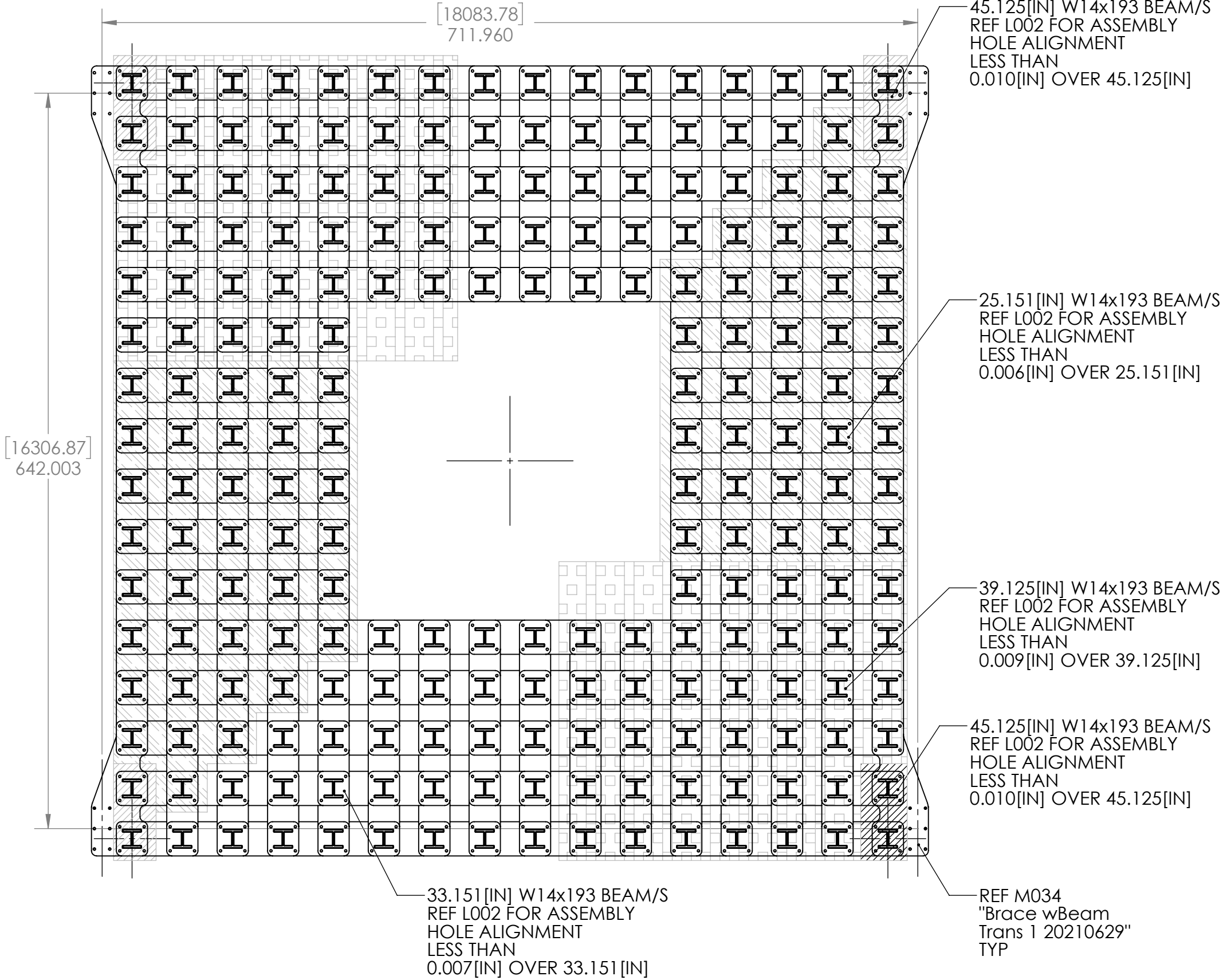


ITEM NO.	PART NUMBER	DESCRIPTION	WEIGHT	QTY.
1	W14x193 1 20210623 s6			8
2	Plate w14x193 20210528 s6			16
3	bolt 2in 4tpi 9.5in DH3 1 20210528 w193 s6			32
4	nut 2in 4tpi HD 1 20210527 w193 s6			32
5	wash 2in HD 1 20210528 w193 s6			64
6	nut 2in 4tpi HD 1 half 20210528 w193 s6			32
7	Brace wBeam Trans 1 20210629			4
8	Plate connect 1 20210527 dx basic			188
9	Plate connect 2 20210527 dz basic			190
10	Shim Plate conct 1 20210527 basic			76
11	Shim Plate conct 1 20210527 basic			4
12	W14x193 1 20210630 s6D			8
13	Plate w14x193 20210528 s1s5B s6ABCD			16
14	bolt 2in 4tpi 30in DH3 1 20210528 w193 s6ABCD			32
15	nut 2in 4tpi HD 1 20210527 w193 s1s5B s6ABCD			32
16	wash 2in HD 1 20210528 w193 s1s5B s6ABCD			64
17	nut 2in 4tpi HD 1 half 20210528 w193 s1s5B s6ABCD			32
18	Pipe sch80 2.5in pipe bolt sheath 20210630			32
19	Plate pipe end 1 20210630			64
20	W14x193 1 20210630 s6A			76
21	Plate w14x193 20210528 s1s5B s6A			152
22	bolt 2in 4tpi 15.5in DH3 1 20210528 w193 s1s5B s6A			304
23	nut 2in 4tpi HD 1 20210527 w193 s1s5B s6A			304
24	wash 2in HD 1 20210528 w193 s1s5B s6A			608
25	nut 2in 4tpi HD 1 half 20210528 w193 s1s5B s6A			304
26	W14x193 1 20210630 s6AB			76
27	Plate w14x193 20210528 s1s5B s6ABC			120
28	bolt 2in 4tpi 15.5in DH3 1 20210528 w193 s1s5B s6AB			280
29	nut 2in 4tpi HD 1 20210527 w193 s1s5B s6AB			280
30	wash 2in HD 1 20210528 w193 s1s5B s6AB			560
31	nut 2in 4tpi HD 1 half 20210528 w193 s1s5B s6AB			280
32	W14x193 1 20210630 s6ABC			60
33	Plate w14x193 20210528 s1s5B s6AB			152
34	bolt 2in 4tpi 15.5in DH3 1 20210528 w193 s1s5B s6ABC			232
35	nut 2in 4tpi HD 1 20210527 w193 s1s5B s6ABC			232
36	wash 2in HD 1 20210528 w193 s1s5B s6ABC			464
37	nut 2in 4tpi HD 1 half 20210528 w193 s1s5B s6ABC			232



NOTE/S:
DEFINITION:
INT = INTERSECTION
NO SHARP EDGES/CORNERS
W14/W10, ASTM A913 G65, Sy 65[KSII]
W6-BEAMS, Sy 42[KSII] (PERF A572 G42)
C6-BEAMS, Sy 36[KSII]
AL T6061-T6, Sy 40[KSII] MIN
AL ALLOY, Sy 40[KSII] MIN
PLATE/S AISI 1045, Sy 75[KSII] (MIN)
ALUMINIZATION TYPE II (PREF)
GALVINIZE ASTM A123 G100 ACCPTABLE
MASKING OF MATING SURFACES
OIL-SHEEN, SAE 50+, PRIOR TO ASM
NO AGGLOMERATION OF OIL
AL/ALLOY TO STEEL INTERFACE, POLYMER FILM OR OTHER
MINIMIZE/NEUTRALIZE IONIC EXCHANGE
BOLT/S ASM C8
CLASS B, AS-BUILT
CAD/DATA IS MASTER

EXAMPLE	EXAMPLE	16061-16	16061-16	UNLESS OTHERWISE SPECIFIED:		NAME	DATE
AMBIENT	AMBIENT	68 F (20 C)	68 F (20 C)	TOLERANCES:			
TEMP	TEMP	68 F (20 C)	68 F (20 C)	DIMENSIONS TAKEN AT 59[F]			
PT	PT	7.22	-0.183	DIMENSIONS TAKEN AT 15[C]			
59.00	15.00	0.0	0.0	FRACTIONAL ±0.13[IN]			
84.00	30.00	0.354	8.984	ANGULAR: 0.31[DEG]			
				TWO PLACE DECIMAL ±0.05[IN]			
				THREE PLACE DECIMAL ±0.005[IN]			
EXAMPLE:				VERIFICATION OF COMPONENTS			
LET DIM = 47.125[IN] (16061-T6)				MUST BE PERFORMED WITH			
dL = 0.000213[IN] (84-59) 0.015				TEMPERATURE COMPENSATION			
dL = 0.0167[IN] (0.4234[mm])				INTERPRET GEOMETRIC			
				TOLERANCING PER: ASME Y14.5			
AT 84[F] THE DIMENSION OF THE PART				PARALLEL PLANES MAX 0.002[IN]			
IS 47.125 ± 0.0167 ± 0.015				FLATNESS MAX 0.002[IN]			
				FINISH: AS REQUIRED			
GALVANIC PROTECTION REQUIRED:				EXPANSION COEFFICIENT [CTE]			
ALUMINIZE TYPE II (PREFERRED)				dL(ENG) = [DIM]*[CTE]*[RI]/[TEMP-59]			
GALVWIZ C100 ACCEPTABLE				dL(SI) = [DIM]*[CTE]*[RI]/[TEMP-15]			
THERMAL SPRAY AS/FOR ASSEMBLED				**TOLERANCES DO NOT CHANGE			

CREO DESIGNS, ENG DPT			
TITLE: GLORIOUS CROSS			
INT - C138 BEAM/S AND PLATE/S ARRAY/S			
SIZE DWG. NO.	REV		
D M - 038	1		
SCALE: 1:96	SHEET 1 OF 1		