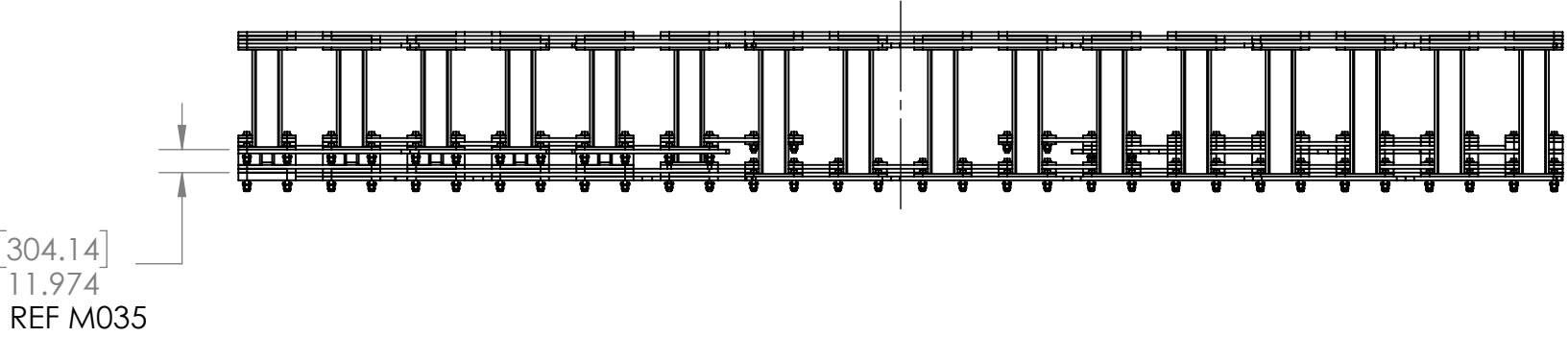
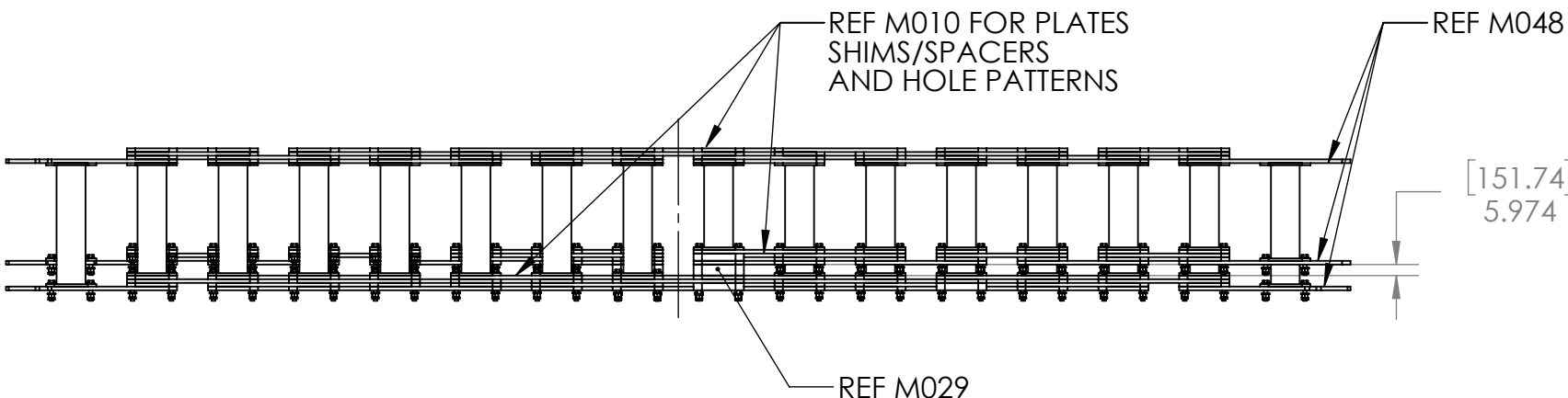
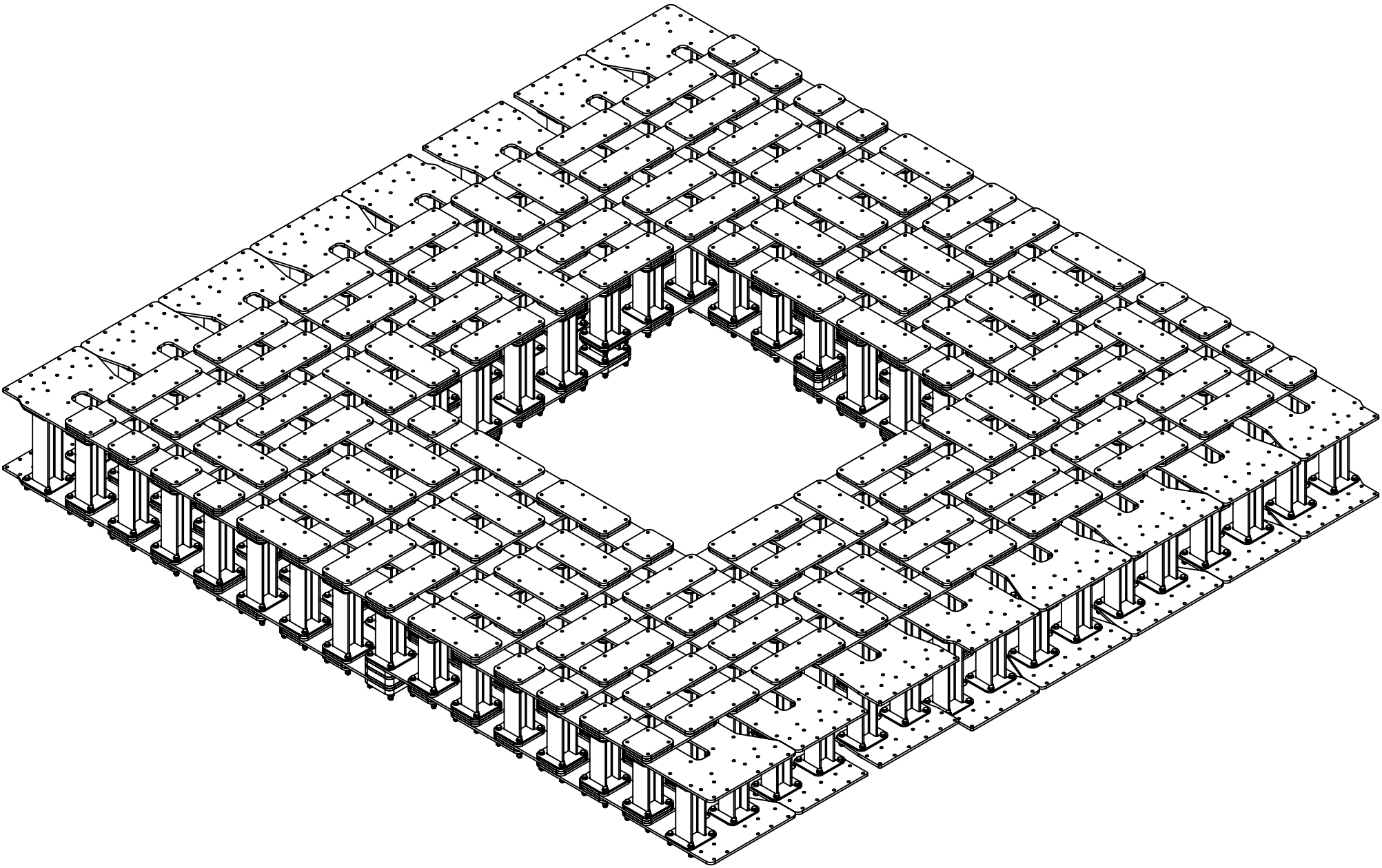
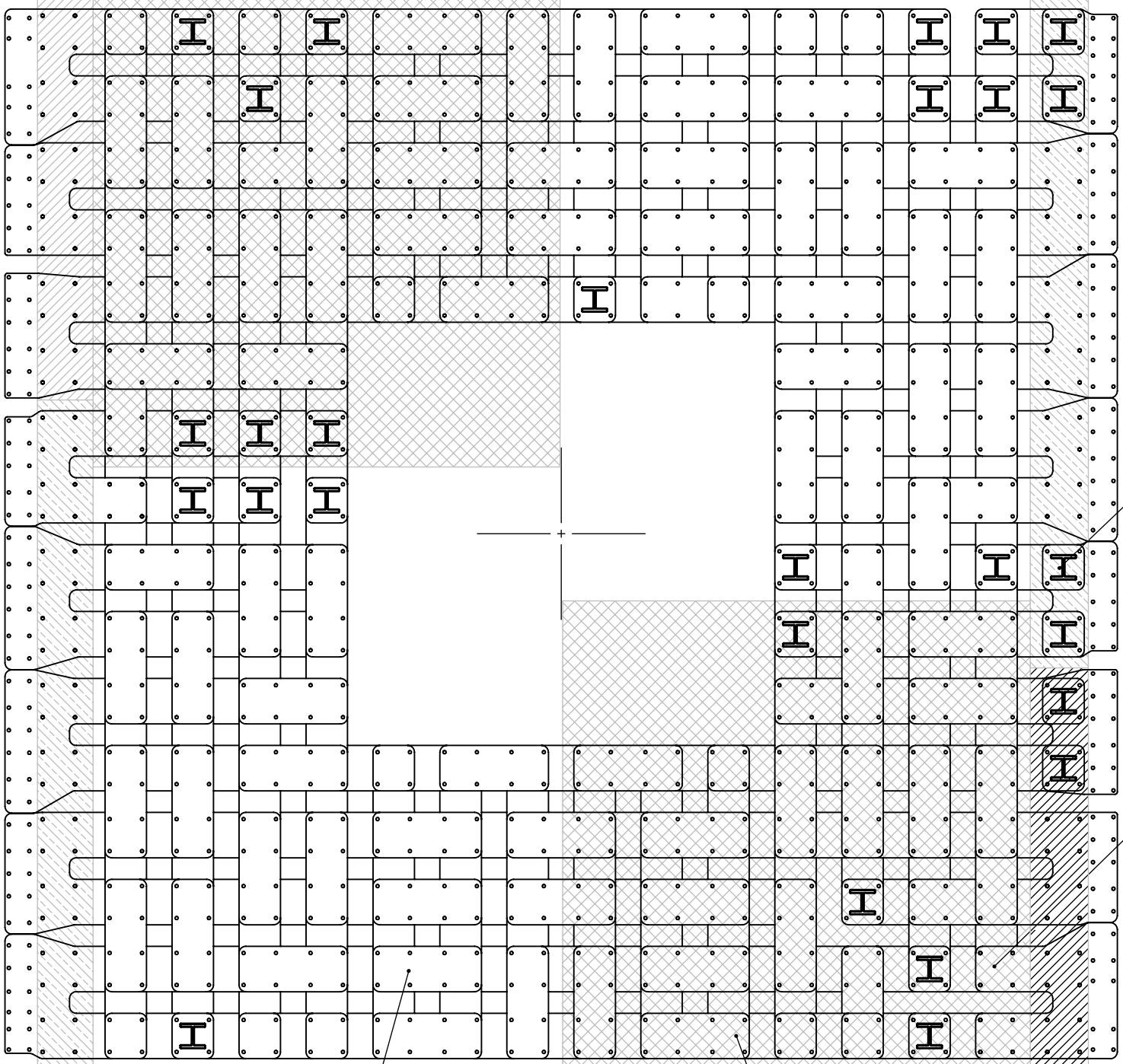


8		7		
ITEM NO.	PART NUMBER	DESCRIPTION	WEIGHT	QTY.
1	Conct plate beam top 1 20210624			4
2	Conct plate beam top 2 20210624			4
3	Conct plate beam top 3 20210624			4
4	Conct plate beam top 4 20210624			4
5	Conct plate beam top 5 20210624			4
6	Conct plate beam top 6 20210624			4
7	Conct plate beam top 7 20210624			4
8	Conct plate beam top 8 20210624			4
9	W14x193 1 20210623 s5			12
10	Plate w14x193 20210528 s1s5C			16
11	bolt 2in 4tpi 9.5in DH3 1 20210528 w193 s1s5			48
12	nut 2in 4tpi HD 1 20210527 w193 s1s5			48
13	wash 2in HD 1 20210528 w193 s1s5			96
14	nut 2in 4tpi HD 1 half 20210528 w193 s1s5			48
15	W14x193 1 20210623 s5A			20
16	Plate w14x193 20210528 s1s5A			40
17	bolt 2in 4tpi 9.5in DH3 1 20210528 w193 s1s5A			80
18	nut 2in 4tpi HD 1 20210527 w193 s1s5A			80
19	wash 2in HD 1 20210528 w193 s1s5A			160
20	nut 2in 4tpi HD 1 half 20210528 w193 s1s5A			80
21	Plate connect 1 20210527 dx basic			332
22	Plate connect 2 20210527 dz basic			344
23	Shim Plate conct 1 20210527 basic			118
24	W14x193 1 20210623 s5C	11.974[IN] SPACER		8
25	Plate w14x193 20210528 s1s5			24
26	bolt 2in 4tpi 15.5in DH3 1 20210528 w193 s1s5C			32
27	nut 2in 4tpi HD 1 20210527 w193 s1s5C			32
28	wash 2in HD 1 20210528 w193 s1s5C			64
29	nut 2in 4tpi HD 1 half 20210528 w193 s1s5C			32
30	Shim Plate conct 1 20210527 basic			6
31	Shim Plate spacer 2 20210622 s5	5.974[IN] SPACER		20
32	W14x193 1 20210623 s5B			76
33	Plate w14x193 20210528 s1s5B			152
34	bolt 2in 4tpi 15.5in DH3 1 20210528 w193 s1s5B			272
35	nut 2in 4tpi HD 1 20210527 w193 s1s5B			272
36	wash 2in HD 1 20210528 w193 s1s5B			544
37	nut 2in 4tpi HD 1 half 20210528 w193 s1s5B			272
38	bolt 2in 4tpi 15.5in DH3 1 20210528 w193 s1s5B s5C			32
39	nut 2in 4tpi HD 1 20210527 w193 s1s5B s5C			32
40	wash 2in HD 1 20210528 w193 s1s5B s5C			64
41	nut 2in 4tpi HD 1 half 20210528 w193 s1s5B s5C			32
42	W14x193 1 20210623 s5D			10
43	Plate w14x193 20210528 s1s5D			20
44	bolt 2in 4tpi 21.5in DH3 1 20210528 w193 s1s5D			40
45	nut 2in 4tpi HD 1 20210527 w193 s1s5D			40
46	wash 2in HD 1 20210528 w193 s1s5D			80
47	nut 2in 4tpi HD 1 half 20210528 w193 s1s5D			40
48	W14x193 1 20210623 s5E			102
49	Plate w14x193 20210528 s1s5E			204
50	bolt 2in 4tpi 15.5in DH3 1 20210528 w193 s1s5E			408
51	nut 2in 4tpi HD 1 20210527 w193 s1s5E			408
52	wash 2in HD 1 20210528 w193 s1s5E			816
53	nut 2in 4tpi HD 1 half 20210528 w193 s1s5E			408



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 G8
CLASS B, AS-BUILT
CAD/DATA IS MASTER

EXAMPLE: TEMP [F] 45.00 DIM [IN] 7.22 DIM [MM] 182.88	EXAMPLE: TEMP [C] 7.22 DIM [IN] 0.183 DIM [MM] 4.658	EXAMPLE: TEMP [F] 59.00 DIM [IN] 15.00 DIM [MM] 381.00	EXAMPLE: TEMP [C] 15.00 DIM [IN] 0.5 DIM [MM] 12.7	EXAMPLE: TEMP [F] 84.00 DIM [IN] 30.00 DIM [MM] 762.00	EXAMPLE: TEMP [C] 30.00 DIM [IN] 0.354 DIM [MM] 8.994	EXAMPLE: TEMP [F] 160.16 DIM [IN] 16.016 DIM [MM] 406.816	EXAMPLE: TEMP [C] 71.2 DIM [IN] 0.000313 DIM [MM] 7.947155	EXAMPLE: TEMP [F] 160.16 DIM [IN] 16.016 DIM [MM] 406.816	EXAMPLE: TEMP [C] 71.2 DIM [IN] 0.000313 DIM [MM] 7.947155	EXAMPLE: TEMP [F] 160.16 DIM [IN] 16.016 DIM [MM] 406.816	EXAMPLE: TEMP [C] 71.2 DIM [IN] 0.000313 DIM [MM] 7.947155
UNLESS OTHERWISE SPECIFIED: DIMENSIONS TAKEN AT 59[F] DIMENSIONS TAKEN AT 15[C] FRACTIONAL ±0.13[IN] ANGULAR: 0.31[DEG] TWO PLACE DECIMAL ±0.05[IN] THREE PLACE DECIMAL ±0.005[IN]	UNLESS OTHERWISE SPECIFIED: DIMENSIONS TAKEN AT 59[F] DIMENSIONS TAKEN AT 15[C] FRACTIONAL ±0.13[IN] ANGULAR: 0.31[DEG] TWO PLACE DECIMAL ±0.05[IN] THREE PLACE DECIMAL ±0.005[IN]	UNLESS OTHERWISE SPECIFIED: DIMENSIONS TAKEN AT 59[F] DIMENSIONS TAKEN AT 15[C] FRACTIONAL ±0.13[IN] ANGULAR: 0.31[DEG] TWO PLACE DECIMAL ±0.05[IN] THREE PLACE DECIMAL ±0.005[IN]	UNLESS OTHERWISE SPECIFIED: DIMENSIONS TAKEN AT 59[F] DIMENSIONS TAKEN AT 15[C] FRACTIONAL ±0.13[IN] ANGULAR: 0.31[DEG] TWO PLACE DECIMAL ±0.05[IN] THREE PLACE DECIMAL ±0.005[IN]	UNLESS OTHERWISE SPECIFIED: DIMENSIONS TAKEN AT 59[F] DIMENSIONS TAKEN AT 15[C] FRACTIONAL ±0.13[IN] ANGULAR: 0.31[DEG] TWO PLACE DECIMAL ±0.05[IN] THREE PLACE DECIMAL ±0.005[IN]	UNLESS OTHERWISE SPECIFIED: DIMENSIONS TAKEN AT 59[F] DIMENSIONS TAKEN AT 15[C] FRACTIONAL ±0.13[IN] ANGULAR: 0.31[DEG] TWO PLACE DECIMAL ±0.05[IN] THREE PLACE DECIMAL ±0.005[IN]	UNLESS OTHERWISE SPECIFIED: DIMENSIONS TAKEN AT 59[F] DIMENSIONS TAKEN AT 15[C] FRACTIONAL ±0.13[IN] ANGULAR: 0.31[DEG] TWO PLACE DECIMAL ±0.05[IN] THREE PLACE DECIMAL ±0.005[IN]	UNLESS OTHERWISE SPECIFIED: DIMENSIONS TAKEN AT 59[F] DIMENSIONS TAKEN AT 15[C] FRACTIONAL ±0.13[IN] ANGULAR: 0.31[DEG] TWO PLACE DECIMAL ±0.05[IN] THREE PLACE DECIMAL ±0.005[IN]	UNLESS OTHERWISE SPECIFIED: DIMENSIONS TAKEN AT 59[F] DIMENSIONS TAKEN AT 15[C] FRACTIONAL ±0.13[IN] ANGULAR: 0.31[DEG] TWO PLACE DECIMAL ±0.05[IN] THREE PLACE DECIMAL ±0.005[IN]	UNLESS OTHERWISE SPECIFIED: DIMENSIONS TAKEN AT 59[F] DIMENSIONS TAKEN AT 15[C] FRACTIONAL ±0.13[IN] ANGULAR: 0.31[DEG] TWO PLACE DECIMAL ±0.05[IN] THREE PLACE DECIMAL ±0.005[IN]	UNLESS OTHERWISE SPECIFIED: DIMENSIONS TAKEN AT 59[F] DIMENSIONS TAKEN AT 15[C] FRACTIONAL ±0.13[IN] ANGULAR: 0.31[DEG] TWO PLACE DECIMAL ±0.05[IN] THREE PLACE DECIMAL ±0.005[IN]	UNLESS OTHERWISE SPECIFIED: DIMENSIONS TAKEN AT 59[F] DIMENSIONS TAKEN AT 15[C] FRACTIONAL ±0.13[IN] ANGULAR: 0.31[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	VERIFICATION OF COMPONENTS MUST BE PERFORMED WITH TEMPERATURE COMPENSATION INTERPRET GEOMETRIC TOLERANCING PER: ASME Y14.5	VERIFICATION OF COMPONENTS MUST BE PERFORMED WITH TEMPERATURE COMPENSATION INTERPRET GEOMETRIC TOLERANCING PER: ASME Y14.5	VERIFICATION OF COMPONENTS MUST BE PERFORMED WITH TEMPERATURE COMPENSATION INTERPRET GEOMETRIC TOLERANCING PER: ASME Y14.5	VERIFICATION OF COMPONENTS MUST BE PERFORMED WITH TEMPERATURE COMPENSATION INTERPRET GEOMETRIC TOLERANCING PER: ASME Y14.5	VERIFICATION OF COMPONENTS MUST BE PERFORMED WITH TEMPERATURE COMPENSATION INTERPRET GEOMETRIC TOLERANCING PER: ASME Y14.5	VERIFICATION OF COMPONENTS MUST BE PERFORMED WITH TEMPERATURE COMPENSATION INTERPRET GEOMETRIC TOLERANCING PER: ASME Y14.5	VERIFICATION OF COMPONENTS MUST BE PERFORMED WITH TEMPERATURE COMPENSATION INTERPRET GEOMETRIC TOLERANCING PER: ASME Y14.5	VERIFICATION OF COMPONENTS MUST BE PERFORMED WITH TEMPERATURE COMPENSATION INTERPRET GEOMETRIC TOLERANCING PER: ASME Y14.5	VERIFICATION OF COMPONENTS MUST BE PERFORMED WITH TEMPERATURE COMPENSATION INTERPRET GEOMETRIC TOLERANCING PER: ASME Y14.5	VERIFICATION OF COMPONENTS MUST BE PERFORMED WITH TEMPERATURE COMPENSATION INTERPRET GEOMETRIC TOLERANCING PER: ASME Y14.5	VERIFICATION OF COMPONENTS MUST BE PERFORMED WITH TEMPERATURE COMPENSATION INTERPRET GEOMETRIC TOLERANCING PER: ASME Y14.5
GALVANIC PROTECTION REQUIRED: ALUMINIZE TYPE II PREFERRED GALVANIZE C100 ACCEPTABLE THERMAL SPRAY AS/FOR ASSEMBLED	GALVANIC PROTECTION REQUIRED: ALUMINIZE TYPE II PREFERRED GALVANIZE C100 ACCEPTABLE THERMAL SPRAY AS/FOR ASSEMBLED	GALVANIC PROTECTION REQUIRED: ALUMINIZE TYPE II PREFERRED GALVANIZE C100 ACCEPTABLE THERMAL SPRAY AS/FOR ASSEMBLED	GALVANIC PROTECTION REQUIRED: ALUMINIZE TYPE II PREFERRED GALVANIZE C100 ACCEPTABLE THERMAL SPRAY AS/FOR ASSEMBLED	GALVANIC PROTECTION REQUIRED: ALUMINIZE TYPE II PREFERRED GALVANIZE C100 ACCEPTABLE THERMAL SPRAY AS/FOR ASSEMBLED	GALVANIC PROTECTION REQUIRED: ALUMINIZE TYPE II PREFERRED GALVANIZE C100 ACCEPTABLE THERMAL SPRAY AS/FOR ASSEMBLED	GALVANIC PROTECTION REQUIRED: ALUMINIZE TYPE II PREFERRED GALVANIZE C100 ACCEPTABLE THERMAL SPRAY AS/FOR ASSEMBLED	GALVANIC PROTECTION REQUIRED: ALUMINIZE TYPE II PREFERRED GALVANIZE C100 ACCEPTABLE THERMAL SPRAY AS/FOR ASSEMBLED	GALVANIC PROTECTION REQUIRED: ALUMINIZE TYPE II PREFERRED GALVANIZE C100 ACCEPTABLE THERMAL SPRAY AS/FOR ASSEMBLED	GALVANIC PROTECTION REQUIRED: ALUMINIZE TYPE II PREFERRED GALVANIZE C100 ACCEPTABLE THERMAL SPRAY AS/FOR ASSEMBLED	GALVANIC PROTECTION REQUIRED: ALUMINIZE TYPE II PREFERRED GALVANIZE C100 ACCEPTABLE THERMAL SPRAY AS/FOR ASSEMBLED	GALVANIC PROTECTION REQUIRED: ALUMINIZE TYPE II PREFERRED GALVANIZE C100 ACCEPTABLE THERMAL SPRAY AS/FOR ASSEMBLED
GAUGES: DRAWINGS ARE AT 59[F] (15[C]): REFER TO MATERIAL SUPPLIER FOR THERMAL EXPANSION COEFFICIENT [CTE] [IN/IN] = [DIM]*[CTE]/[F]([TEMP-59]) [MM/MM] = [DIM]*[CTE]/[C]([TEMP-15]) ***TOLERANCES DO NOT CHANGE	GAUGES: DRAWINGS ARE AT 59[F] (15[C]): REFER TO MATERIAL SUPPLIER FOR THERMAL EXPANSION COEFFICIENT [CTE] [IN/IN] = [DIM]*[CTE]/[F]([TEMP-59]) [MM/MM] = [DIM]*[CTE]/[C]([TEMP-15]) ***TOLERANCES DO NOT CHANGE	GAUGES: DRAWINGS ARE AT 59[F] (15[C]): REFER TO MATERIAL SUPPLIER FOR THERMAL EXPANSION COEFFICIENT [CTE] [IN/IN] = [DIM]*[CTE]/[F]([TEMP-59]) [MM/MM] = [DIM]*[CTE]/[C]([TEMP-15]) ***TOLERANCES DO NOT CHANGE	GAUGES: DRAWINGS ARE AT 59[F] (15[C]): REFER TO MATERIAL SUPPLIER FOR THERMAL EXPANSION COEFFICIENT [CTE] [IN/IN] = [DIM]*[CTE]/[F]([TEMP-59]) [MM/MM] = [DIM]*[CTE]/[C]([TEMP-15]) ***TOLERANCES DO NOT CHANGE	GAUGES: DRAWINGS ARE AT 59[F] (15[C]): REFER TO MATERIAL SUPPLIER FOR THERMAL EXPANSION COEFFICIENT [CTE] [IN/IN] = [DIM]*[CTE]/[F]([TEMP-59]) [MM/MM] = [DIM]*[CTE]/[C]([TEMP-15]) ***TOLERANCES DO NOT CHANGE	GAUGES: DRAWINGS ARE AT 59[F] (15[C]): REFER TO MATERIAL SUPPLIER FOR THERMAL EXPANSION COEFFICIENT [CTE] [IN/IN] = [DIM]*[CTE]/[F]([TEMP-59]) [MM/MM] = [DIM]*[CTE]/[C]([TEMP-15]) ***TOLERANCES DO NOT CHANGE	GAUGES: DRAWINGS ARE AT 59[F] (15[C]): REFER TO MATERIAL SUPPLIER FOR THERMAL EXPANSION COEFFICIENT [CTE] [IN/IN] = [DIM]*[CTE]/[F]([TEMP-59]) [MM/MM] = [DIM]*[CTE]/[C]([TEMP-15]) ***TOLERANCES DO NOT CHANGE	GAUGES: DRAWINGS ARE AT 59[F] (15[C]): REFER TO MATERIAL SUPPLIER FOR THERMAL EXPANSION COEFFICIENT [CTE] [IN/IN] = [DIM]*[CTE]/[F]([TEMP-59]) [MM/MM] = [DIM]*[CTE]/[C]([TEMP-15]) ***TOLERANCES DO NOT CHANGE	GAUGES: DRAWINGS ARE AT 59[F] (15[C]): REFER TO MATERIAL SUPPLIER FOR THERMAL EXPANSION COEFFICIENT [CTE] [IN/IN] = [DIM]*[CTE]/[F]([TEMP-59]) [MM/MM] = [DIM]*[CTE]/[C]([TEMP-15]) ***TOLERANCES DO NOT CHANGE	GAUGES: DRAWINGS ARE AT 59[F] (15[C]): REFER TO MATERIAL SUPPLIER FOR THERMAL EXPANSION COEFFICIENT [CTE] [IN/IN] = [DIM]*[CTE]/[F]([TEMP-59]) [MM/MM] = [DIM]*[CTE]/[C]([TEMP-15]) ***TOLERANCES DO NOT CHANGE	GAUGES: DRAWINGS ARE AT 59[F] (15[C]): REFER TO MATERIAL SUPPLIER FOR THERMAL EXPANSION COEFFICIENT [CTE] [IN/IN] = [DIM]*[CTE]/[F]([TEMP-59]) [MM/MM] = [DIM]*[CTE]/[C]([TEMP-15]) ***TOLERANCES DO NOT CHANGE	GAUGES: DRAWINGS ARE AT 59[F] (15[C]): REFER TO MATERIAL SUPPLIER FOR THERMAL EXPANSION COEFFICIENT [CTE] [IN/IN] = [DIM]*[CTE]/[F]([TEMP-59]) [MM/MM] = [DIM]*[CTE]/[C]([TEMP-15]) ***TOLERANCES DO NOT CHANGE
SIZE D	DWG. NO. M - 041	REV 1	SCALE: 1:96	SHEET 1 OF 1							

CREO DESIGNS, ENG DPT

TITLE: GLORIOUS CROSS

INT - C139 BEAM/S

AND PLATE/S ARRAY/S

SCALE: 1:96

SHEET 1 OF 1