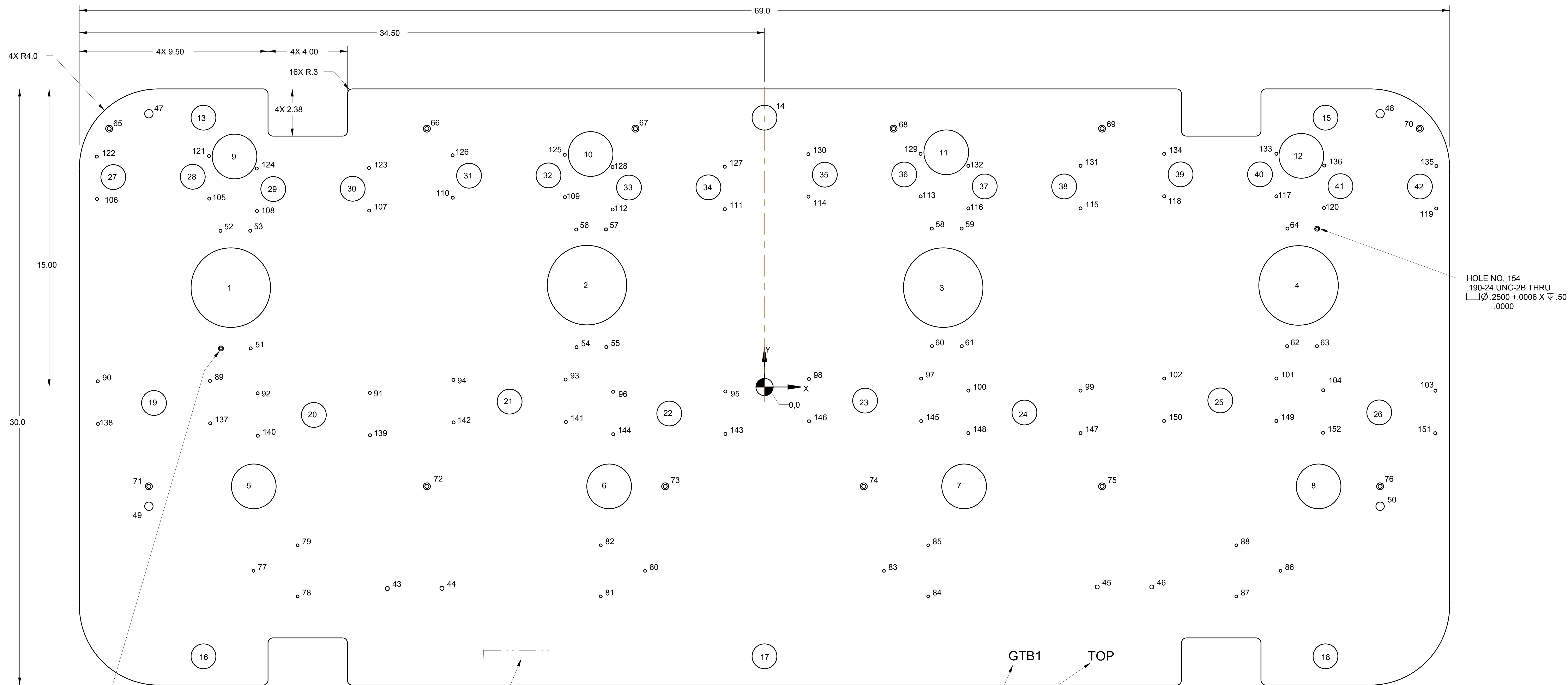


NOTES:

1. MATERIAL: PLATE ALUMINUM 1.0 THK TYPE 6061-T6 PER ASTM B209
2. MAKE FROM DXF FILE
3. VIBRO-ETCH PART WITH DRAWING NUMBER WITH MIN .25 HIGH CHARACTERS IN ACCORDANCE WITH MIL-STD-130, LOCATE APPROX AS SHOWN.
4. VIBRO-ETCH PLATE WITH PART NAME AND SIDE DESIGNATION WITH MIN .25 HIGH CHARACTERS. LOCATE APPROX AS SHOWN.

REVISION APPROVALS									
REV	ECN NO.	DESCRIPTION	DATE	BY	CHK	DES	ENG	SUPV	
A	-	INITIAL RELEASE	-	-	-	-	-	-	-



HOLE NO. 153  
 .190-24 UNC-2B THRU  
 $\varnothing .2500 +.0006 \times .50$   
 -.0000

SEE NOTE 3

SEE NOTE 4

HOLE NO. 154  
 .190-24 UNC-2B THRU  
 $\varnothing .2500 +.0006 \times .50$   
 -.0000

(1.0 STOCK)

GTB1 TOP

REV	DESCRIPTION	DATE
A	INITIAL RELEASE	

INTERPRET IN GENERAL ACCORDANCE WITH ASME Y14.5				COLLIDER-ACCELERATOR DEPARTMENT BROOKHAVEN NATIONAL LABORATORY UPTON, N.Y. 11973	
UNLESS OTHERWISE SPECIFIED DIMENSIONAL TOLERANCES ARE IN INCHES DECIMAL TOLERANCES .005 .010 .015 .020 .030 .040 .050 .060 .070 .080 .090 .100 .125 .150 .200 .250 .300 .400 .500 .600 .700 .800 .900 1.000 1.250 1.500 2.000 2.500 3.000 4.000 5.000 6.000 8.000 10.000 ANGULAR TOLERANCE ±1°		DRAWN BY: TRABOCCHI/GRU 3/31/18 CHECKED BY: S. RESTMEYER 5/21/18 DESIGNED BY: A. ARNO 5/8/18 ENGR/APP: S. TRABOCCHI 4/30/18 APPROVED BY: G. MAHLER 5/31/18 DATE: J. TUZZOLO 5/21/18		CBETA TOP PLATE ASSEMBLY, GTB1 PLATE, GTB1	
USED ON DRAWING NO. 2570M0038 APPLICATION:	QTY. PER ASSY. 1	FINISH: 125 BREAK SHARP EDGES: <input checked="" type="checkbox"/> MAX. OBPN: 015	SAFETY / RSC: <input type="checkbox"/> REWORK / ISSUE:	SIZE: E CATEGORY: A3 SCALE: 1/2 WEIGHT: 188.4 SHEET OF 1 2	REV. A DWG NO. 2570M0037 SHT 1 OF 1 CREO

HOLE TABLE			
HOLE NO.	X	Y	NOTE
1	-26.88	5.00	Ø 4.00 THRU
2	-8.94	5.13	Ø 4.00 THRU
3	9.00	5.00	Ø 4.00 THRU
4	26.89	5.11	Ø 4.00 THRU
5	-25.72	-5.00	Ø 2.25 THRU
6	-7.82	-5.00	Ø 2.25 THRU
7	10.05	-5.00	Ø 2.25 THRU
8	27.90	-5.00	Ø 2.25 THRU
9	-26.69	11.60	Ø 2.25 THRU
10	-8.76	11.72	Ø 2.25 THRU
11	9.15	11.81	Ø 2.25 THRU
12	27.03	11.63	Ø 2.25 THRU
13	-28.25	13.55	Ø 1.25 THRU
14	0.00	13.55	Ø 1.25 THRU
15	28.25	13.55	Ø 1.25 THRU
16	-28.25	-13.55	Ø 1.25 THRU
17	0.00	-13.55	Ø 1.25 THRU
18	28.25	-13.55	Ø 1.25 THRU
19	-30.74	-0.80	Ø 1.25 THRU
20	-22.69	-1.41	Ø 1.25 THRU
21	-12.83	-0.74	Ø 1.25 THRU
22	-4.79	-1.33	Ø 1.25 THRU
23	5.07	-0.69	Ø 1.25 THRU
24	13.09	-1.28	Ø 1.25 THRU
25	22.95	-0.68	Ø 1.25 THRU
26	30.96	-1.28	Ø 1.25 THRU
27	-32.79	10.56	Ø 1.25 THRU
28	-28.79	10.58	Ø 1.25 THRU
29	-24.74	9.96	Ø 1.25 THRU
30	-20.74	9.98	Ø 1.25 THRU
31	-14.88	10.63	Ø 1.25 THRU
32	-10.88	10.65	Ø 1.25 THRU
33	-6.82	10.04	Ø 1.25 THRU
34	-2.82	10.05	Ø 1.25 THRU
35	3.04	10.68	Ø 1.25 THRU
36	7.04	10.69	Ø 1.25 THRU
37	11.09	10.09	Ø 1.25 THRU
38	15.09	10.09	Ø 1.25 THRU
39	20.95	10.70	Ø 1.25 THRU
40	24.95	10.70	Ø 1.25 THRU
41	29.00	10.10	Ø 1.25 THRU
42	33.00	10.09	Ø 1.25 THRU
43	-18.99	-10.14	250-20 UNC-2B $\nabla$ .75
44	-16.24	-10.13	250-20 UNC-2B $\nabla$ .75
45	16.75	-10.06	250-20 UNC-2B $\nabla$ .75
46	19.50	-10.06	250-20 UNC-2B $\nabla$ .75
47	-31.00	13.75	500-13 UNC-2B THRU
48	31.00	13.75	500-13 UNC-2B THRU
49	-31.00	-6.00	500-13 UNC-2B THRU
50	31.00	-6.00	500-13 UNC-2B THRU
51	-25.87	1.94	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
52	-27.39	7.86	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
53	-25.89	7.86	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
54	-9.46	2.01	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
55	-7.96	2.01	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
56	-9.48	7.92	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
57	-7.98	7.93	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
58	8.43	7.97	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
59	9.93	7.97	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
60	8.43	2.05	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
61	9.93	2.05	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
62	26.32	2.05	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
63	27.82	2.05	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
64	26.33	7.97	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
65	-33.00	13.00	Ø .203 $\nabla$ .19 $\nabla$ Ø .350 X 120°
66	-17.00	13.00	Ø .203 $\nabla$ .19 $\nabla$ Ø .350 X 120°
67	-6.50	13.00	Ø .203 $\nabla$ .19 $\nabla$ Ø .350 X 120°
68	6.50	13.00	Ø .203 $\nabla$ .19 $\nabla$ Ø .350 X 120°
69	17.00	13.00	Ø .203 $\nabla$ .19 $\nabla$ Ø .350 X 120°
70	33.00	13.00	Ø .203 $\nabla$ .19 $\nabla$ Ø .350 X 120°

HOLE TABLE			
HOLE NO.	X	Y	NOTE
71	-31.00	-5.00	Ø .203 $\nabla$ .19 $\nabla$ Ø .350 X 120°
72	-17.00	-5.00	Ø .203 $\nabla$ .19 $\nabla$ Ø .350 X 120°
73	-5.00	-5.00	Ø .203 $\nabla$ .19 $\nabla$ Ø .350 X 120°
74	5.00	-5.00	Ø .203 $\nabla$ .19 $\nabla$ Ø .350 X 120°
75	17.00	-5.00	Ø .203 $\nabla$ .19 $\nabla$ Ø .350 X 120°
76	31.00	-5.00	Ø .203 $\nabla$ .19 $\nabla$ Ø .350 X 120°
77	-25.74	-9.25	.164-32 UNC-2B $\nabla$ .50
78	-23.51	-10.54	.164-32 UNC-2B $\nabla$ .50
79	-23.51	-7.96	.164-32 UNC-2B $\nabla$ .50
80	-6.02	-9.25	.164-32 UNC-2B $\nabla$ .50
81	-8.24	-10.54	.164-32 UNC-2B $\nabla$ .50
82	-8.24	-7.96	.164-32 UNC-2B $\nabla$ .50
83	6.02	-9.25	.164-32 UNC-2B $\nabla$ .50
84	8.24	-10.54	.164-32 UNC-2B $\nabla$ .50
85	8.24	-7.96	.164-32 UNC-2B $\nabla$ .50
86	25.99	-9.25	.164-32 UNC-2B $\nabla$ .50
87	23.76	-10.54	.164-32 UNC-2B $\nabla$ .50
88	23.76	-7.96	.164-32 UNC-2B $\nabla$ .50
89	-27.92	0.31	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
90	-33.57	0.29	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
91	-19.87	-0.29	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
92	-25.52	-0.31	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
93	-10.01	0.38	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
94	-15.66	0.36	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
95	-1.97	-0.22	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
96	-7.62	-0.24	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
97	7.89	0.42	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
98	2.24	0.41	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
99	15.92	-0.18	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
100	10.27	-0.18	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
101	25.78	0.43	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
102	20.13	0.43	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
103	33.79	-0.19	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
104	28.14	-0.16	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
105	-27.96	9.48	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
106	-33.61	9.46	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
107	-19.91	8.88	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
108	-25.56	8.86	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
109	-10.05	9.55	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
110	-15.70	9.53	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
111	-2.00	8.95	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
112	-7.65	8.93	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
113	7.87	9.59	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
114	2.22	9.58	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
115	15.92	8.99	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
116	10.27	8.99	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
117	25.78	9.60	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
118	20.13	9.60	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
119	33.82	8.98	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
120	28.17	9.01	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
121	-27.97	11.62	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
122	-33.62	11.59	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
123	-19.92	11.01	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
124	-25.57	10.99	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
125	-10.06	11.69	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
126	-15.71	11.66	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
127	-2.00	11.08	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
128	-7.65	11.07	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
129	7.86	11.73	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
130	2.21	11.72	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
131	15.92	11.13	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
132	10.27	11.13	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
133	25.78	11.73	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
134	20.13	11.73	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
135	33.83	11.12	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
136	28.18	11.14	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
137	-27.91	-1.83	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
138	-33.56	-1.85	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
139	-19.86	-2.43	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
140	-25.51	-2.45	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN

HOLE TABLE			
HOLE NO.	X	Y	NOTE
141	-10.00	-1.76	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
142	-15.65	-1.78	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
143	-1.97	-2.36	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
144	-7.62	-2.38	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
145	7.89	-1.71	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
146	2.24	-1.73	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
147	15.92	-2.32	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
148	10.27	-2.32	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
149	25.78	-1.71	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
150	20.13	-1.71	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
151	33.78	-2.33	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
152	28.13	-2.30	Ø .149 THRU .190-24 UNC-2B X .75 FULL THD MIN
153	-27.371±.002	1.938±.002	SEE F/D ZONE C8
154	27.833±.002	7.968±.002	SEE F/D ZONE E1