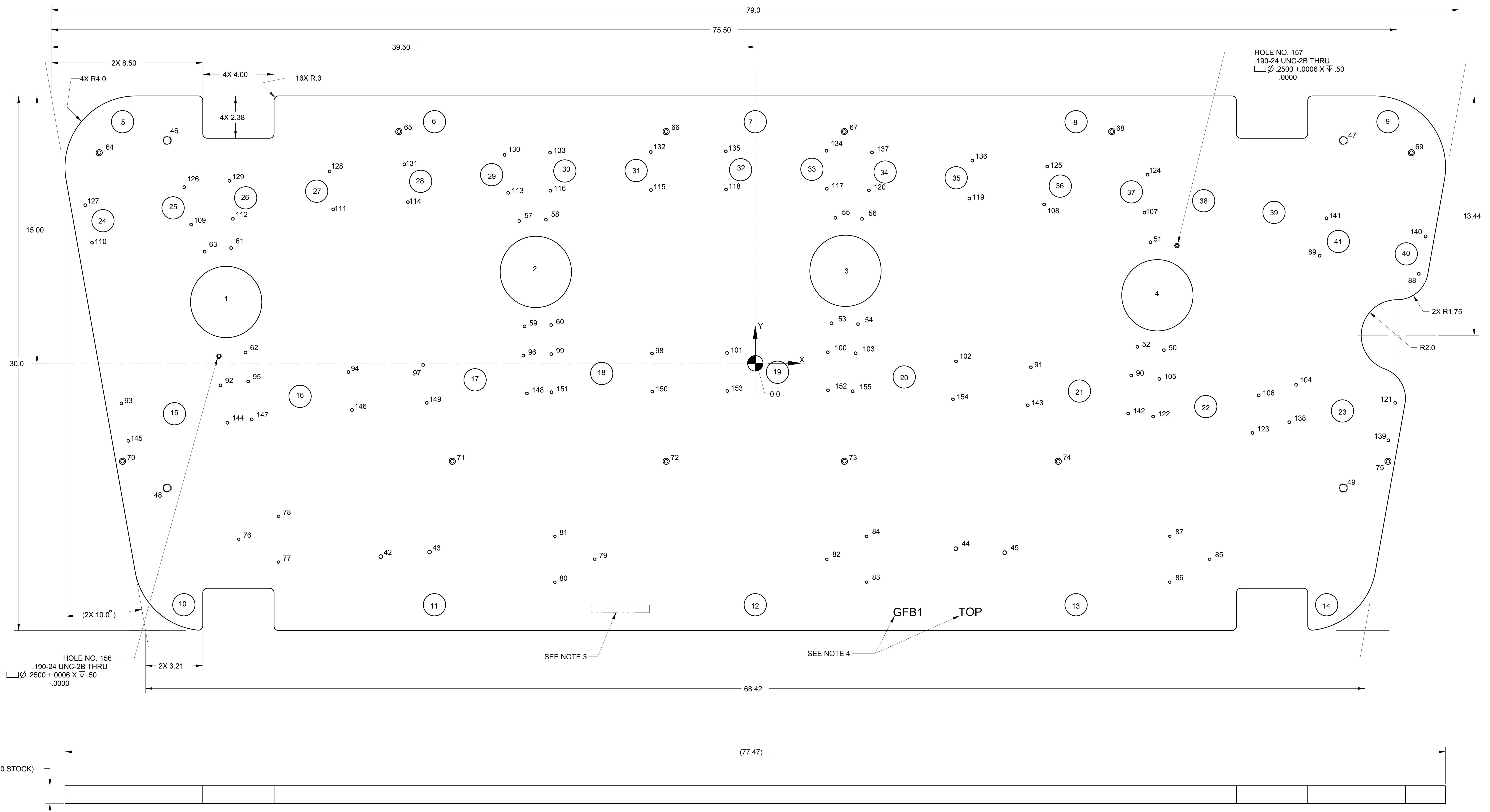


- NOTES:
1. MATERIAL: PLATE ALUMINUM 1.0 THK TYPE 6061-T6 PER ASTM B209
  2. MAKE FROM DXF FILE
  3. VIBRO-ETCH PART WITH DRAWING NUMBER WITH MIN .25 HIGH CHARACTERS
  4. VIBRO-ETCH PART WITH DRAWING NUMBER WITH MIN .25 HIGH CHARACTERS
  - IN ACCORDANCE WITH MIL-STD-130, LOCATE APPROX AS SHOWN.
  4.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



A	A	REV	REVISION STATUS OF SHEETS
2	1	SHEET	

INTERPRET IN GENERAL ACCORDANCE WITH ASME Y14.5				<b>COLLIDER-ACCELERATOR DEPARTMENT</b> BROOKHAVEN NATIONAL LABORATORY UPTON, N.Y. 11973	
UNLESS OTHERWISE SPECIFIED DIMENSIONAL TOLERANCES ARE IN INCHES DECIMAL FRACTIONS ANGULAR TOLERANCES SEE NOTE 4		DRAWN BY: TRABOCCHI/GRAU 3/20/18 CHECKED BY: S. RESTMEYER 4/20/18 DESIGN APPROVAL: A. ARNO 4/20/18 ENG. PRINT APPROVAL: S. TRABOCCHI 4/30/18 ELECTRICAL APPROVAL: G. MAHLER 5/31/18 SEE COMMENTS: J. TUOZZOLO 5/2/18		<b>CBETA</b> <b>TOP PLATE ASSEMBLY, GFB1</b> <b>TOP PLATE, GFB1</b>	
USED ON DRAWING NO. 2570M0056 APPLICATION:		QTY. PER ASSY. 1 FINISH: 125 BREAK SHARP EDGES: <input checked="" type="checkbox"/> MAX. GRIN: 015		SIZE: E DRAWING NUMBER: 2570M0055 REV: A CATEGORY: A3 SCALE: 1/2 WEIGHT: 200.6 SHEET OF 1 2	

DWG NO 2570M0055

SHT 1 of 2

CREO

HOLE TABLE			
HOLE NO.	X	Y	NOTE
1	-29.69	3.44	Ø 4.00 THRU
2	-12.31	5.13	Ø 4.00 THRU
3	5.06	5.19	Ø 4.00 THRU
4	22.56	3.81	Ø 4.00 THRU
5	-35.50	13.55	Ø 1.25 THRU
6	-18.00	13.55	Ø 1.25 THRU
7	0.00	13.55	Ø 1.25 THRU
8	18.00	13.55	Ø 1.25 THRU
9	35.50	13.55	Ø 1.25 THRU
10	-32.06	-13.55	Ø 1.25 THRU
11	-18.00	-13.55	Ø 1.25 THRU
12	0.00	-13.55	Ø 1.25 THRU
13	18.00	-13.55	Ø 1.25 THRU
14	32.06	-13.55	Ø 1.25 THRU
15	-32.59	-2.83	Ø 1.25 THRU
16	-25.54	-1.86	Ø 1.25 THRU
17	-15.72	-0.93	Ø 1.25 THRU
18	-8.61	-0.57	Ø 1.25 THRU
19	1.25	-0.51	Ø 1.25 THRU
20	8.36	-0.77	Ø 1.25 THRU
21	18.19	-1.56	Ø 1.25 THRU
22	25.28	-2.43	Ø 1.25 THRU
23	32.95	-2.68	Ø 1.25 THRU
24	-36.60	8.00	Ø 1.25 THRU
25	-32.67	8.72	Ø 1.25 THRU
26	-28.59	9.28	Ø 1.25 THRU
27	-24.61	9.65	Ø 1.25 THRU
28	-18.77	10.21	Ø 1.25 THRU
29	-14.79	10.58	Ø 1.25 THRU
30	-10.69	10.79	Ø 1.25 THRU
31	-6.69	10.81	Ø 1.25 THRU
32	-0.82	10.86	Ø 1.25 THRU
33	3.18	10.88	Ø 1.25 THRU
34	7.29	10.73	Ø 1.25 THRU
35	11.27	10.41	Ø 1.25 THRU
36	17.12	9.94	Ø 1.25 THRU
37	21.10	9.62	Ø 1.25 THRU
38	25.16	9.12	Ø 1.25 THRU
39	29.11	8.46	Ø 1.25 THRU
40	36.53	6.14	Ø 1.25 THRU
41	32.72	6.83	Ø 1.25 THRU
42	-21.02	-10.85	250-20 UNC-2B X .75 FULL THD MIN
43	-18.28	-10.59	250-20 UNC-2B X .75 FULL THD MIN
44	11.25	-10.41	250-20 UNC-2B X .75 FULL THD MIN
45	13.99	-10.63	250-20 UNC-2B X .75 FULL THD MIN
46	-33.00	12.50	500-13 UNC-2B THRU
47	33.00	12.50	500-13 UNC-2B THRU
48	-33.00	-7.00	500-13 UNC-2B THRU
49	33.00	-7.00	500-13 UNC-2B THRU
50	22.93	0.73	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
51	22.17	6.79	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
52	21.44	0.92	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
53	4.27	2.24	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
54	5.77	2.19	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
55	4.49	8.16	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
56	5.99	8.10	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
57	-13.25	7.98	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
58	-11.75	8.06	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
59	-12.95	2.07	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
60	-11.45	2.15	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
61	-29.41	6.46	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
62	-28.60	0.60	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
63	-30.90	6.26	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
64	-36.81	11.81	Ø .203 $\nabla$ .19, $\nabla$ Ø .350 X 120°
65	-20.00	13.00	Ø .203 $\nabla$ .19, $\nabla$ Ø .350 X 120°
66	-5.00	13.00	Ø .203 $\nabla$ .19, $\nabla$ Ø .350 X 120°
67	5.00	13.00	Ø .203 $\nabla$ .19, $\nabla$ Ø .350 X 120°
68	20.00	13.00	Ø .203 $\nabla$ .19, $\nabla$ Ø .350 X 120°
69	36.81	11.81	Ø .203 $\nabla$ .19, $\nabla$ Ø .350 X 120°
70	-35.50	-5.50	Ø .203 $\nabla$ .19, $\nabla$ Ø .350 X 120°

HOLE TABLE CONT'D			
HOLE NO.	X	Y	NOTE
71	-17.00	-5.50	Ø .203 $\nabla$ .19, $\nabla$ Ø .350 X 120°
72	-5.00	-5.50	Ø .203 $\nabla$ .19, $\nabla$ Ø .350 X 120°
73	5.00	-5.50	Ø .203 $\nabla$ .19, $\nabla$ Ø .350 X 120°
74	17.00	-5.50	Ø .203 $\nabla$ .19, $\nabla$ Ø .350 X 120°
75	35.50	-5.50	Ø .203 $\nabla$ .19, $\nabla$ Ø .350 X 120°
76	-28.99	-9.88	.164-32 UNC-2B $\nabla$ .50
77	-26.76	-11.16	.164-32 UNC-2B $\nabla$ .50
78	-26.76	-8.59	.164-32 UNC-2B $\nabla$ .50
79	-9.02	-11.00	.164-32 UNC-2B $\nabla$ .50
80	-11.24	-12.29	.164-32 UNC-2B $\nabla$ .50
81	-11.24	-9.71	.164-32 UNC-2B $\nabla$ .50
82	4.02	-11.00	.164-32 UNC-2B $\nabla$ .50
83	6.24	-12.29	.164-32 UNC-2B $\nabla$ .50
84	6.24	-9.71	.164-32 UNC-2B $\nabla$ .50
85	25.49	-11.00	.164-32 UNC-2B $\nabla$ .50
86	23.26	-12.29	.164-32 UNC-2B $\nabla$ .50
87	23.26	-9.71	.164-32 UNC-2B $\nabla$ .50
88	37.23	5.01	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
89	31.67	6.03	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
90	21.09	-0.69	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
91	15.46	-0.23	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
92	-30.01	-1.24	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
93	-35.57	-2.26	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
94	-22.83	-0.50	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
95	-28.46	-1.02	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
96	-13.01	0.43	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
97	-18.64	-0.10	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
98	-5.80	0.55	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
99	-11.45	0.51	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
100	4.07	0.61	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
101	-1.58	0.58	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
102	11.26	0.10	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
103	5.63	0.56	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
104	30.34	-1.21	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
105	22.67	-0.88	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
106	28.24	-1.80	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
107	21.84	8.45	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
108	16.20	8.91	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
109	-31.66	7.78	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
110	-37.21	6.76	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
111	-23.69	8.63	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
112	-29.31	8.11	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
113	-13.87	9.56	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
114	-19.49	9.03	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
115	-5.85	9.72	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
116	-11.50	9.68	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
117	4.01	9.78	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
118	-1.64	9.75	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
119	12.01	9.24	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
120	6.37	9.70	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
121	35.90	-2.22	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
122	22.32	-2.99	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
123	27.90	-3.91	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
124	22.01	10.58	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
125	16.38	11.04	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
126	-32.04	9.88	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
127	-37.60	8.87	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
128	-23.89	10.76	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
129	-29.51	10.23	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
130	-14.07	11.69	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
131	-19.69	11.16	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
132	-5.87	11.85	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
133	-11.52	11.82	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
134	4.00	11.92	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
135	-1.65	11.89	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
136	12.18	11.37	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
137	6.55	11.83	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
138	29.96	-3.31	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
139	35.52	-4.33	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
140	37.61	7.12	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN

HOLE TABLE CONT'D			
HOLE NO.	X	Y	NOTE
141	32.05	8.13	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
142	20.92	-2.82	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
143	15.29	-2.36	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
144	-29.62	-3.34	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
145	-35.18	-4.36	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
146	-22.63	-2.63	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
147	-28.26	-3.15	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
148	-12.81	-1.70	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
149	-18.44	-2.22	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
150	-5.78	-1.59	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
151	-11.43	-1.63	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
152	4.08	-1.52	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
153	-1.57	-1.56	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
154	11.09	-2.03	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
155	5.46	-1.57	Ø .149 THRU, .190-24 UNC-2B X .75 FULL THD MIN
156	-30.090 ± .002	0.397 ± .002	SEE F/D ZONE C8
157	23.662 ± .002	6.602 ± .002	SEE F/D ZONE G2