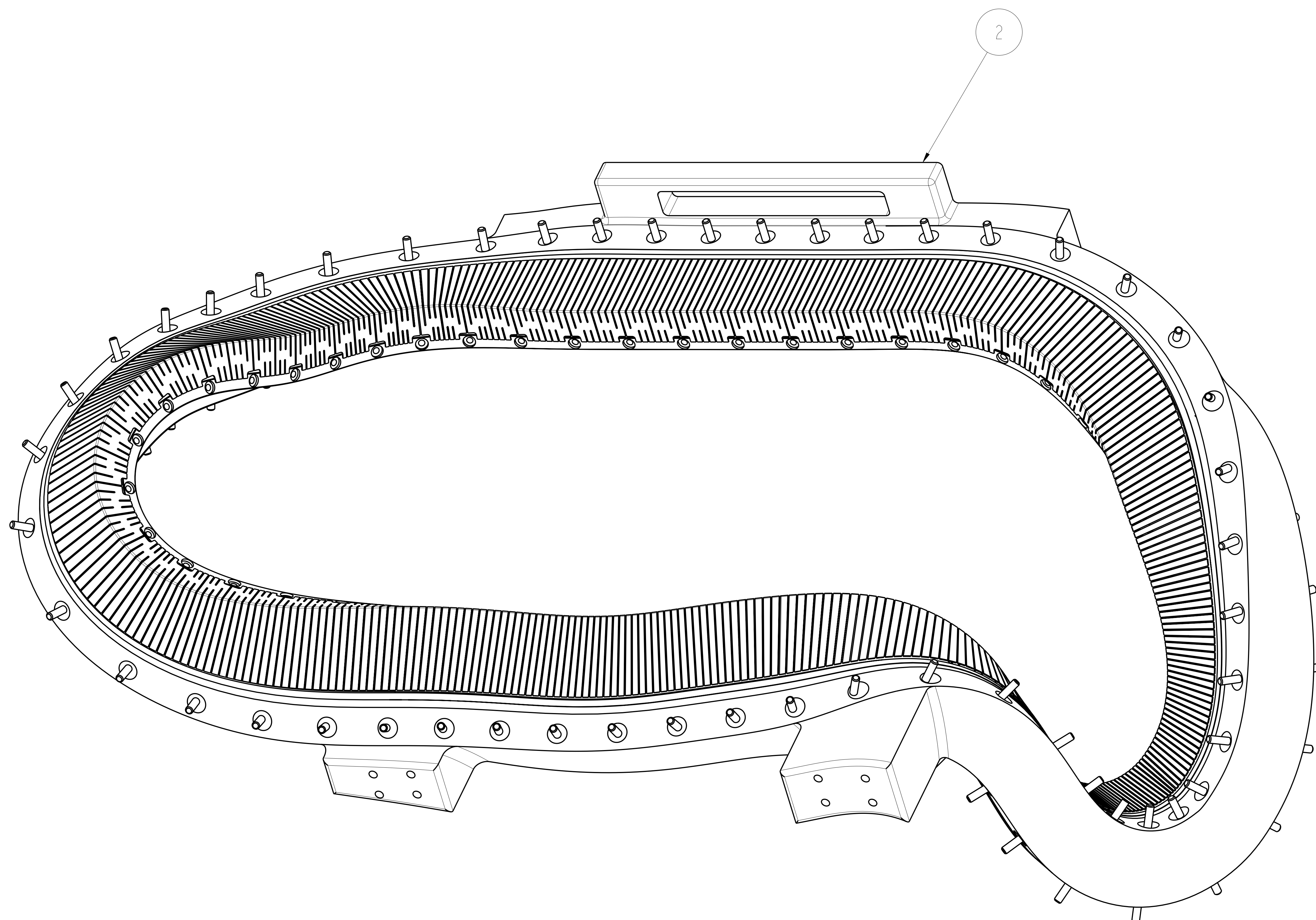


NOTES:

1. INTERPRET DIMENSIONS AND TOLERANCES PER ANSI Y14.5M
2. DIMENSIONS ARE IN INCHES
3. FIND NUMBERS 3 THRU 100 SKIPPED FOR CLARITY



SIDE "B" COPPER CHILL PLATE  
FABRICATED INSTALLATION  
REVERSE TRIMETRIC VIEW  
SCALE 0.375

**RELEASED FOR  
FABRICATION / INSTALLATION**  
PPPL Drafting:

CAGE CODE	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION	MATERIAL	WEIGHT	FIND NO
I	SEI406-064-200	SIDE "B" FORMED CHILL PLATE # 200	COPPER	0.0919	200
I	SEI406-064-199	SIDE "B" FORMED CHILL PLATE # 199	COPPER	0.0919	199
I	SEI406-064-198	SIDE "B" FORMED CHILL PLATE # 198	COPPER	0.0925	198
I	SEI406-064-197	SIDE "B" FORMED CHILL PLATE # 197	COPPER	0.0933	197
I	SEI406-064-196	SIDE "B" FORMED CHILL PLATE # 196	COPPER	0.0932	196
I	SEI406-064-195	SIDE "B" FORMED CHILL PLATE # 195	COPPER	0.0913	195
I	SEI406-064-194	SIDE "B" FORMED CHILL PLATE # 194	COPPER	0.0881	194
I	SEI406-064-193	SIDE "B" FORMED CHILL PLATE # 193	COPPER	0.0837	193
I	SEI406-064-192	SIDE "B" FORMED CHILL PLATE # 192	COPPER	0.0810	192
I	SEI406-064-191	SIDE "B" FORMED CHILL PLATE # 191	COPPER	0.0806	191
I	SEI406-064-190	SIDE "B" FORMED CHILL PLATE # 190	COPPER	0.0822	190

CAGE CODE	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION	MATERIAL	WEIGHT	FIND NO
I	SEI406-064-109	SIDE "B" FORMED CHILL PLATE # 109	COPPER	0.0942	109
I	SEI406-064-108	SIDE "B" FORMED CHILL PLATE # 108	COPPER	0.0928	108
I	SEI406-064-107	SIDE "B" FORMED CHILL PLATE # 107	COPPER	0.0913	107
I	SEI406-064-106	SIDE "B" FORMED CHILL PLATE # 106	COPPER	0.0918	106
I	SEI406-064-105	SIDE "B" FORMED CHILL PLATE # 105	COPPER	0.0914	105
I	SEI406-064-104	SIDE "B" FORMED CHILL PLATE # 104	COPPER	0.0922	104
I	SEI406-064-103	SIDE "B" FORMED CHILL PLATE # 103	COPPER	0.0916	103
I	SEI406-064-102	SIDE "B" FORMED CHILL PLATE # 102	COPPER	0.0923	102
I	SEI406-064-101	SIDE "B" FORMED CHILL PLATE # 101	COPPER	0.0915	101
I	SEI406-011	TWISTED RACETRACK WINDING FORM WLDMT	STEEL	730.0000	2
I	-1	SIDE "B" COPPER CHILL PLATE FAB INSTALL	--	6.8201	1

PARTS LIST

PARTS LIST

SCALE NOTED

DES	BRAD NELSON	12/22/04
DRW	TOM HARGROVE	12/22/04
CHK	MIKE CODE	12/22/04
SECT	:	:
DEPT	:	:
PE	DAVE WILLIAMSON	12/22/04
CR	:	:
PJ	:	:
RD	:	:
FINISH	125 UNLESS OTHERWISE SPECIFIED	:

**UT-BATTELLE**  
Oak Ridge National Laboratory  
managed for the DEPARTMENT OF ENERGY under  
U.S. GOVERNMENT contract DE-AC05-00OR22725  
BY BATTELLE, LLC, Oak Ridge, Tennessee

**NATIONAL COMPACT STELLARATOR EXPERIMENT**

**TWISTED RACETRACK  
SIDE "B" COPPER CHILL PLATE  
FABRICATED INSTALLATION**

VERSION NO.	1+
PLANT	5700
BLDG	FL
FL	SHT
SHT	1
TYPE	2
CLASS	U

RELEASE LEVEL: Fabrication  
SEI406-063  
REV 0

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**P** THIS DRAWING PRODUCED ON PRO-ENGINEER

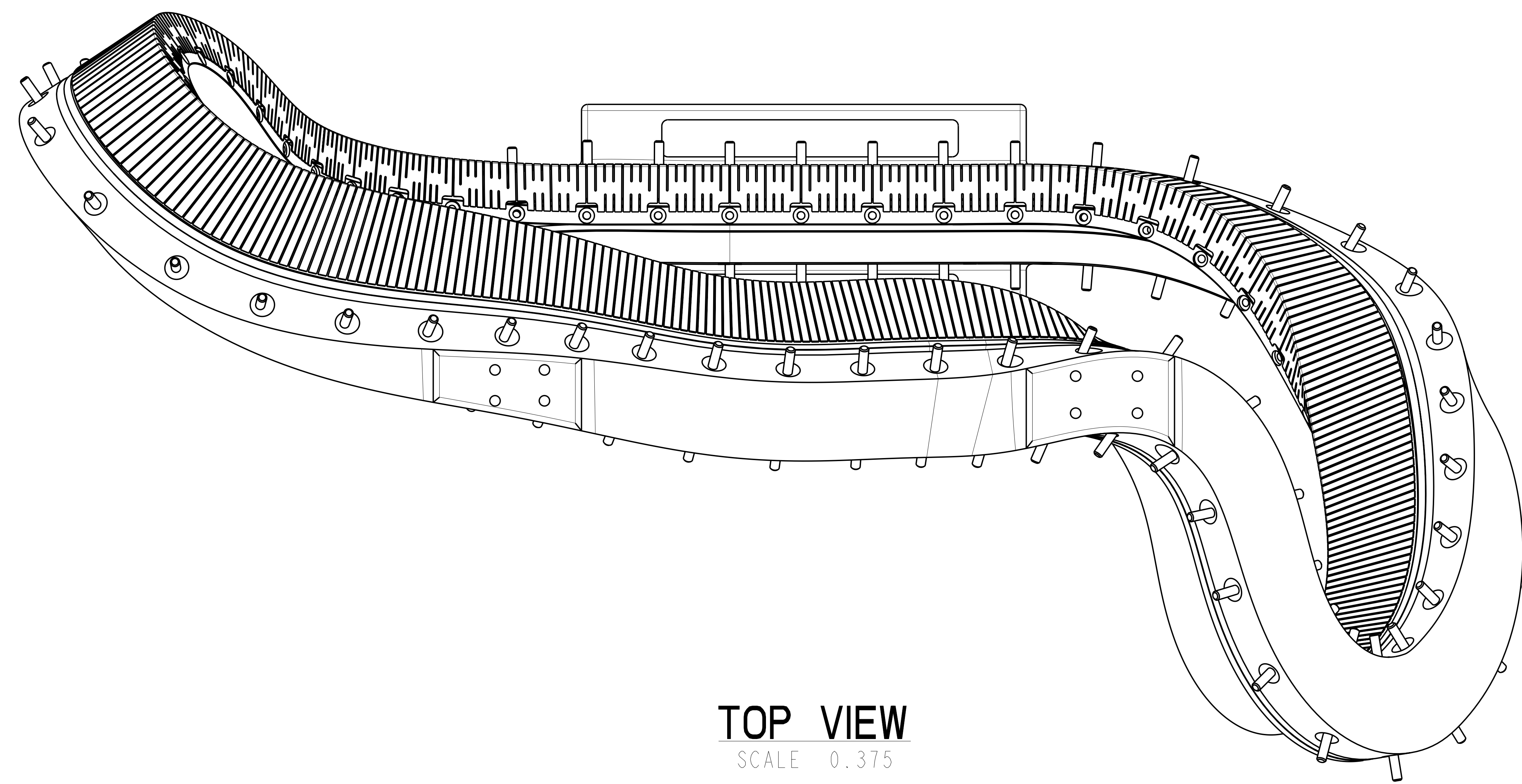
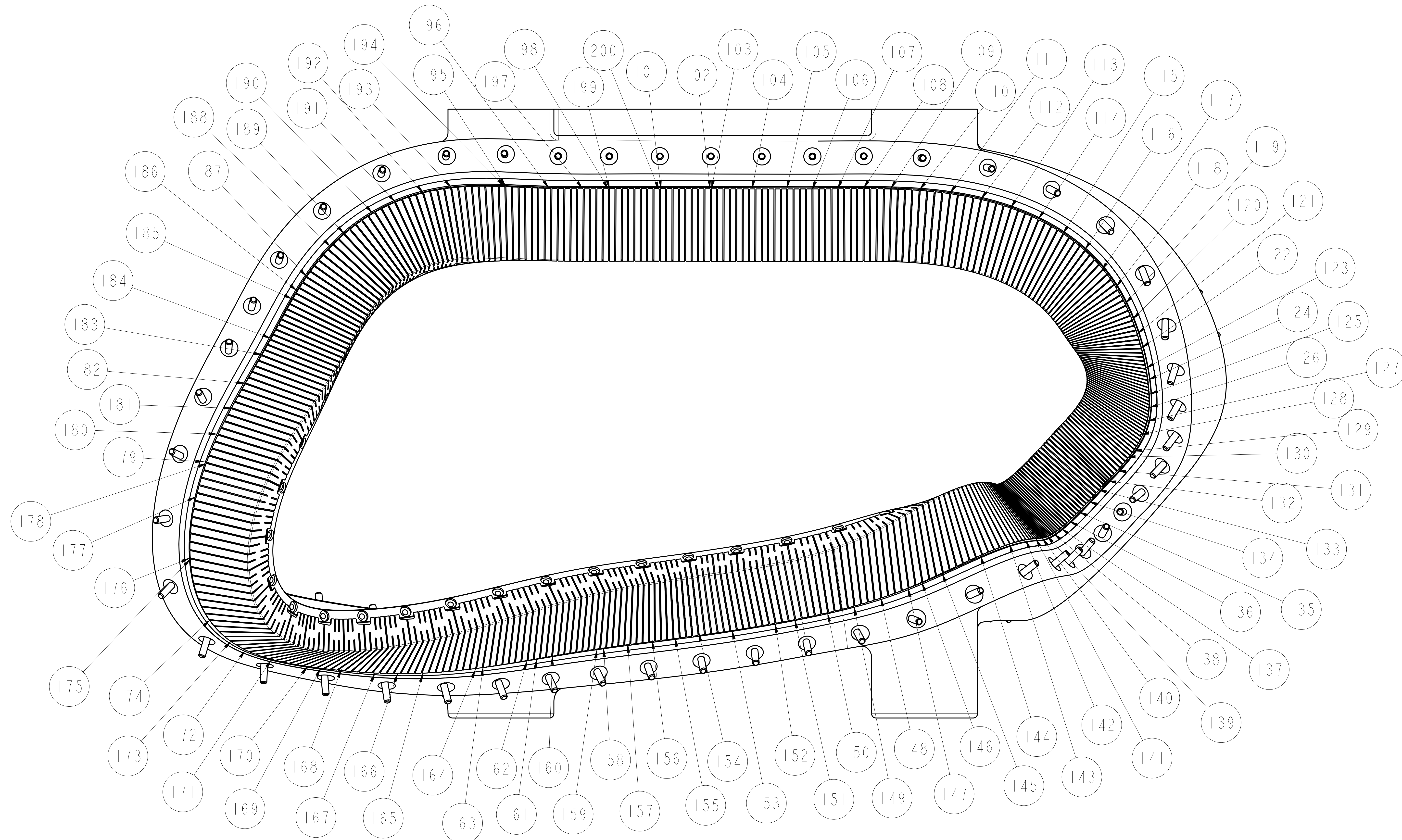
REV	DESCRIPTION	BY	DATE	CHK	DEPT	DATE	PE	REQ	DATE	ORNL	DOE	DATE

REVISION OR ISSUE PURPOSE

CAGE CODE	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION	MATERIAL	WEIGHT	FIND NO
I	SEI406-064-189	SIDE "B" FORMED CHILL PLATE # 189	COPPER	0.0834	189
I	SEI406-064-188	SIDE "B" FORMED CHILL PLATE # 188	COPPER	0.0836	188
I	SEI406-064-187	SIDE "B" FORMED CHILL PLATE # 187	COPPER	0.0826	187
I	SEI406-064-186	SIDE "B" FORMED CHILL PLATE # 186	COPPER	0.0815	186
I	SEI406-064-185	SIDE "B" FORMED CHILL PLATE # 185	COPPER	0.0817	185
I	SEI406-064-184	SIDE "B" FORMED CHILL PLATE # 184	COPPER	0.0858	184
I	SEI406-064-183	SIDE "B" FORMED CHILL PLATE # 183	COPPER	0.0930	183
I	SEI406-064-182	SIDE "B" FORMED CHILL PLATE # 182	COPPER	0.1010	182
I	SEI406-064-181	SIDE "B" FORMED CHILL PLATE # 181	COPPER	0.1056	181
I	SEI406-064-180	SIDE "B" FORMED CHILL PLATE # 180	COPPER	0.1076	180
I	SEI406-064-179	SIDE "B" FORMED CHILL PLATE # 179	COPPER	0.1081	179
I	SEI406-064-178	SIDE "B" FORMED CHILL PLATE # 178	COPPER	0.1107	178
I	SEI406-064-177	SIDE "B" FORMED CHILL PLATE # 177	COPPER	0.1157	177
I	SEI406-064-176	SIDE "B" FORMED CHILL PLATE # 176	COPPER	0.1228	176
I	SEI406-064-175	SIDE "B" FORMED CHILL PLATE # 175	COPPER	0.1279	175
I	SEI406-064-174	SIDE "B" FORMED CHILL PLATE # 174	COPPER	0.1268	174
I	SEI406-064-173	SIDE "B" FORMED CHILL PLATE # 173	COPPER	0.1191	173
I	SEI406-064-172	SIDE "B" FORMED CHILL PLATE # 172	COPPER	0.1085	172
I	SEI406-064-171	SIDE "B" FORMED CHILL PLATE # 171	COPPER	0.0994	171
I	SEI406-064-170	SIDE "B" FORMED CHILL PLATE # 170	COPPER	0.0930	170
I	SEI406-064-169	SIDE "B" FORMED CHILL PLATE # 169	COPPER	0.0905	169
I	SEI406-064-168	SIDE "B" FORMED CHILL PLATE # 168	COPPER	0.0902	168
I	SEI406-064-167	SIDE "B" FORMED CHILL PLATE # 167	COPPER	0.0917	167
I	SEI406-064-166	SIDE "B" FORMED CHILL PLATE # 166	COPPER	0.0928	166
I	SEI406-064-165	SIDE "B" FORMED CHILL PLATE # 165	COPPER	0.0941	165
I	SEI406-064-164	SIDE "B" FORMED CHILL PLATE # 164	COPPER	0.0945	164
I	SEI406-064-163	SIDE "B" FORMED CHILL PLATE # 163	COPPER	0.0952	163
I	SEI406-064-162	SIDE "B" FORMED CHILL PLATE # 162	COPPER	0.0947	162
I	SEI406-064-161	SIDE "B" FORMED CHILL PLATE # 161	COPPER	0.0939	161
I	SEI406-064-160	SIDE "B" FORMED CHILL PLATE # 160	COPPER	0.0918	160
I	SEI406-064-159	SIDE "B" FORMED CHILL PLATE # 159	COPPER	0.0895	159
I	SEI406-064-158	SIDE "B" FORMED CHILL PLATE # 158	COPPER	0.0866	158
I	SEI406-064-157	SIDE "B" FORMED CHILL PLATE # 157	COPPER	0.0844	157
I	SEI406-064-156	SIDE "B" FORMED CHILL PLATE # 156	COPPER	0.0831	156
I	SEI406-064-155	SIDE "B" FORMED CHILL PLATE # 155	COPPER	0.0833	155
I	SEI406-064-154	SIDE "B" FORMED CHILL PLATE # 154	COPPER	0.0851	154
I	SEI406-064-153	SIDE "B" FORMED CHILL PLATE # 153	COPPER	0.0888	153
I	SEI406-064-152	SIDE "B" FORMED CHILL PLATE # 152	COPPER	0.0940	152
I	SEI406-064-151	SIDE "B" FORMED CHILL PLATE # 151	COPPER	0.0989	151
I	SEI406-064-150	SIDE "B" FORMED CHILL PLATE # 150	COPPER	0.1023	150
I	SEI406-064-149	SIDE "B" FORMED CHILL PLATE # 149	COPPER	0.1045	149
I	SEI406-064-148	SIDE "B" FORMED CHILL PLATE # 148	COPPER	0.1058	148
I	SEI406-064-147	SIDE "B" FORMED CHILL PLATE # 147	COPPER	0.1074	147
I	SEI406-064-146	SIDE "B" FORMED CHILL PLATE # 146	COPPER	0.1096	146
I	SEI406-064-145	SIDE "B" FORMED CHILL PLATE # 145	COPPER	0.1122	145
I	SEI406-064-144	SIDE "B" FORMED CHILL PLATE # 144	COPPER	0.1151	144
I	SEI406-064-143	SIDE "B" FORMED CHILL PLATE # 143	COPPER	0.1165	143
I	SEI406-064-142	SIDE "B" FORMED CHILL PLATE # 142	COPPER	0.1138	142
I	SEI406-064-141	SIDE "B" FORMED CHILL PLATE # 141	COPPER	0.1044	141
I	SEI406-064-140	SIDE "B" FORMED CHILL PLATE # 140	COPPER	0.0923	140
I	SEI406-064-139	SIDE "B" FORMED CHILL PLATE # 139	COPPER	0.0797	139
I	SEI406-064-138	SIDE "B" FORMED CHILL PLATE # 138	COPPER	0.0703	138
I	SEI406-064-137	SIDE "B" FORMED CHILL PLATE # 137	COPPER	0.0622	137
I	SEI406-064-136	SIDE "B" FORMED CHILL PLATE # 136	COPPER	0.0577	136
I	SEI406-064-135	SIDE "B" FORMED CHILL PLATE # 135	COPPER	0.0543	135
I	SEI406-064-134	SIDE "B" FORMED CHILL PLATE # 134	COPPER	0.0535	134
I	SEI406-064-133	SIDE "B" FORMED CHILL PLATE # 133	COPPER	0.0536	133
I	SEI406-064-132	SIDE "B" FORMED CHILL PLATE # 132	COPPER	0.0530	132
I	SEI406-064-131	SIDE "B" FORMED CHILL PLATE # 131	COPPER	0.0589	131
I	SEI406-064-130	SIDE "B" FORMED CHILL PLATE # 130	COPPER	0.0686	130
I	SEI406-064-129	SIDE "B" FORMED CHILL PLATE # 129	COPPER	0.0696	129
I	SEI406-064-128	SIDE "B" FORMED CHILL PLATE # 128	COPPER	0.0741	128
I	SEI406-064-127	SIDE "B" FORMED CHILL PLATE # 127	COPPER	0.0765	127
I	SEI406-064-126	SIDE "B" FORMED CHILL PLATE # 126	COPPER	0.0804	126
I	SEI406-064-125	SIDE "B" FORMED CHILL PLATE # 125	COPPER	0.0820	125
I	SEI406-064-124	SIDE "B" FORMED CHILL PLATE # 124	COPPER	0.0848	124
I	SEI406-064-123	SIDE "B" FORMED CHILL PLATE # 123	COPPER	0.0853	123
I	SEI406-064-122	SIDE "B" FORMED CHILL PLATE # 122	COPPER	0.0876	122
I	SEI406-064-121	SIDE "B" FORMED CHILL PLATE # 121	COPPER	0.0877	121
I	SEI406-064-120	SIDE "B" FORMED CHILL PLATE # 120	COPPER	0.0906	120
I	SEI406-064-119	SIDE "B" FORMED CHILL PLATE # 119	COPPER	0.0911	119
I	SEI406-064-118	SIDE "B" FORMED CHILL PLATE # 118	COPPER	0.0943	118
I	SEI406-064-117	SIDE "B" FORMED CHILL PLATE # 117	COPPER	0.0951	117
I	SEI406-064-116	SIDE "B" FORMED CHILL PLATE # 116	COPPER	0.0985	116
I	SEI406-064-115	SIDE "B" FORMED CHILL PLATE # 115	COPPER	0.0995	115
I	SEI406-064-114	SIDE "B" FORMED CHILL PLATE # 114	COPPER	0.1021	114
I	SEI406-064-113	SIDE "B" FORMED CHILL PLATE # 113	COPPER	0.1024	113
I	SEI406-064-112	SIDE "B" FORMED CHILL PLATE # 112	COPPER	0.1029	112
I	SEI406-064-111	SIDE "B" FORMED CHILL PLATE # 111	COPPER	0.1002	111
I	SEI406-064-110	SIDE "B" FORMED CHILL PLATE # 110	COPPER	0.0978	110
I	SEI406-064-109	SIDE "B" FORMED CHILL PLATE # 109	COPPER	0.0942	109
I	SEI406-064-108	SIDE "B" FORMED CHILL PLATE # 108	COPPER	0.0928	108
I	SEI406-064-107	SIDE "B" FORMED CHILL PLATE # 107	COPPER	0.0913	107
I	SEI406-064-106	SIDE "B" FORMED CHILL PLATE # 106	COPPER	0.0918	106
I	SEI406-064-105	SIDE "B" FORMED CHILL PLATE # 105	COPPER	0.0914	105
I	SEI406-064-104	SIDE "B" FORMED CHILL PLATE # 104	COPPER	0.0922	104
I	SEI406-064-103	SIDE "B" FORMED CHILL PLATE # 103	COPPER	0.0916	103
I	SEI406-064-102	SIDE "B" FORMED CHILL PLATE # 102	COPPER	0.0923	102
I	SEI406-064-101	SIDE "B" FORMED CHILL PLATE # 101	COPPER	0.0915	101
I	SEI406-011	TWISTED RACETRACK WINDING FORM WLDMT	STEEL	730.0000	2
I	-1	SIDE "B" COPPER CHILL PLATE FAB INSTALL	--	6.8201	1

B SEI406-063

A



**TOP VIEW**  
SCALE 0.375

**RELEASED FOR  
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PPPL Drafting:

Oak Ridge National Laboratory managed for the DEPARTMENT OF ENERGY under U.S. GOVERNMENT contract DE-AC05-00OR22725 UT-BATTELLE, LLC, Oak Ridge, Tennessee <small>PROJECT CODE</small>						
<b>UT-BATTELLE</b>						
<b>NATIONAL COMPACT STELLARATOR EXPERIMENT</b>						
<b>TWISTED RACETRACK SIDE "B" COPPER CHILL PLATE FABRICATED INSTALLATION</b>						
VERSION NO:	PLANT	BLDG	FL	SHT	OF	TYPE CLASS
1+		5700	3	2	2	U
RELEASE LEVEL		SE1406-063			REV	
Fabrication					0	