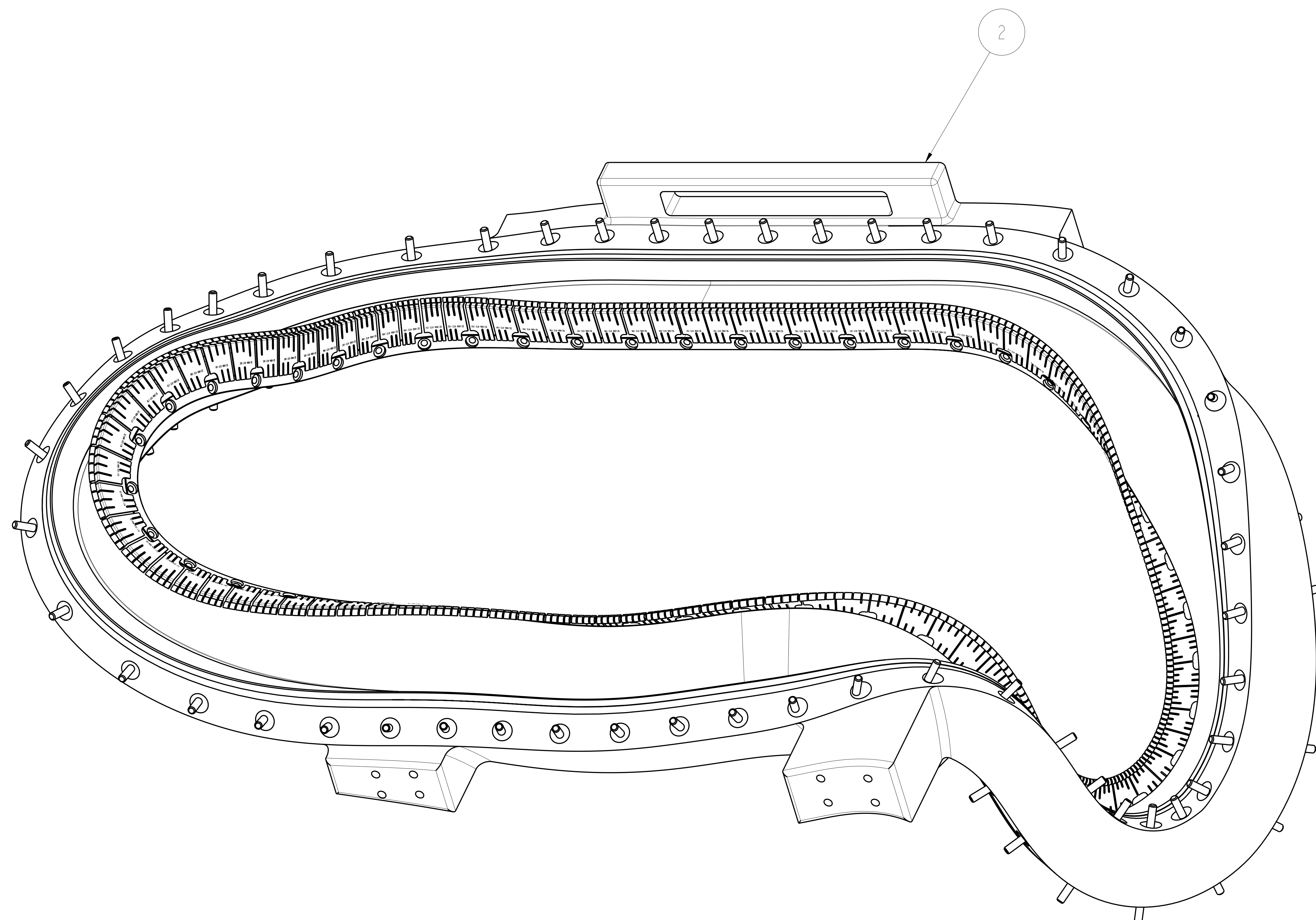


NOTES:

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" UPPER CHILL PLATE
FABRICATED INSTALLATION
REVERSE TRIMETRIC VIEW
SCALE 0.38

**RELEASED FOR
FABRICATION / INSTALLATION**

PPPL Drafting:

next ass'y	CAGE CODE	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION	MATERIAL	WEIGHT	FIND NO
1	SEI406-472-200	SIDE "B" FORMED UPPER CHILL PLATE # 200	COPPER	0.0414	200	
1	SEI406-472-199	SIDE "B" FORMED UPPER CHILL PLATE # 199	COPPER	0.0417	199	
1	SEI406-472-198	SIDE "B" FORMED UPPER CHILL PLATE # 198	COPPER	0.0418	198	
1	SEI406-472-197	SIDE "B" FORMED UPPER CHILL PLATE # 197	COPPER	0.0422	197	
1	SEI406-472-196	SIDE "B" FORMED UPPER CHILL PLATE # 196	COPPER	0.0415	196	
1	SEI406-472-195	SIDE "B" FORMED UPPER CHILL PLATE # 195	COPPER	0.0400	195	
1	SEI406-472-194	SIDE "B" FORMED UPPER CHILL PLATE # 194	COPPER	0.0373	194	
1	SEI406-472-193	SIDE "B" FORMED UPPER CHILL PLATE # 193	COPPER	0.0337	193	
1	SEI406-472-192	SIDE "B" FORMED UPPER CHILL PLATE # 192	COPPER	0.0304	192	
1	SEI406-472-191	SIDE "B" FORMED UPPER CHILL PLATE # 191	COPPER	0.0290	191	
1	SEI406-472-190	SIDE "B" FORMED UPPER CHILL PLATE # 190	COPPER	0.0290	190	

next ass'y	CAGE CODE	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION	MATERIAL	WEIGHT	FIND NO
1	SEI406-472-189	SIDE "B" FORMED UPPER CHILL PLATE # 189	COPPER	0.0298	189	
1	SEI406-472-188	SIDE "B" FORMED UPPER CHILL PLATE # 188	COPPER	0.0304	188	
1	SEI406-472-187	SIDE "B" FORMED UPPER CHILL PLATE # 187	COPPER	0.0314	187	
1	SEI406-472-186	SIDE "B" FORMED UPPER CHILL PLATE # 186	COPPER	0.0327	186	
1	SEI406-472-185	SIDE "B" FORMED UPPER CHILL PLATE # 185	COPPER	0.0349	185	
1	SEI406-472-184	SIDE "B" FORMED UPPER CHILL PLATE # 184	COPPER	0.0381	184	
1	SEI406-472-183	SIDE "B" FORMED UPPER CHILL PLATE # 183	COPPER	0.0421	183	
1	SEI406-472-182	SIDE "B" FORMED UPPER CHILL PLATE # 182	COPPER	0.0458	182	
1	SEI406-472-181	SIDE "B" FORMED UPPER CHILL PLATE # 181	COPPER	0.0477	181	
1	SEI406-472-180	SIDE "B" FORMED UPPER CHILL PLATE # 180	COPPER	0.0480	180	
1	SEI406-472-179	SIDE "B" FORMED UPPER CHILL PLATE # 179	COPPER	0.0475	179	
1	SEI406-472-178	SIDE "B" FORMED UPPER CHILL PLATE # 178	COPPER	0.0478	178	
1	SEI406-472-177	SIDE "B" FORMED UPPER CHILL PLATE # 177	COPPER	0.0497	177	
1	SEI406-472-176	SIDE "B" FORMED UPPER CHILL PLATE # 176	COPPER	0.0523	176	
1	SEI406-472-175	SIDE "B" FORMED UPPER CHILL PLATE # 175	COPPER	0.0537	175	
1	SEI406-472-174	SIDE "B" FORMED UPPER CHILL PLATE # 174	COPPER	0.0512	174	
1	SEI406-472-173	SIDE "B" FORMED UPPER CHILL PLATE # 173	COPPER	0.0464	173	
1	SEI406-472-172	SIDE "B" FORMED UPPER CHILL PLATE # 172	COPPER	0.0409	172	
1	SEI406-472-171	SIDE "B" FORMED UPPER CHILL PLATE # 171	COPPER	0.0378	171	
1	SEI406-472-170	SIDE "B" FORMED UPPER CHILL PLATE # 170	COPPER	0.0359	170	
1	SEI406-472-169	SIDE "B" FORMED UPPER CHILL PLATE # 169	COPPER	0.0363	169	
1	SEI406-472-168	SIDE "B" FORMED UPPER CHILL PLATE # 168	COPPER	0.0366	168	
1	SEI406-472-167	SIDE "B" FORMED UPPER CHILL PLATE # 167	COPPER	0.0382	167	
1	SEI406-472-166	SIDE "B" FORMED UPPER CHILL PLATE # 166	COPPER	0.0389	166	
1	SEI406-472-165	SIDE "B" FORMED UPPER CHILL PLATE # 165	COPPER	0.0406	165	
1	SEI406-472-164	SIDE "B" FORMED UPPER CHILL PLATE # 164	COPPER	0.0414	164	
1	SEI406-472-163	SIDE "B" FORMED UPPER CHILL PLATE # 163	COPPER	0.0429	163	
1	SEI406-472-162	SIDE "B" FORMED UPPER CHILL PLATE # 162	COPPER	0.0431	162	
1	SEI406-472-161	SIDE "B" FORMED UPPER CHILL PLATE # 161	COPPER	0.0434	161	
1	SEI406-472-160	SIDE "B" FORMED UPPER CHILL PLATE # 160	COPPER	0.0421	160	
1	SEI406-472-159	SIDE "B" FORMED UPPER CHILL PLATE # 159	COPPER	0.0408	159	
1	SEI406-472-158	SIDE "B" FORMED UPPER CHILL PLATE # 158	COPPER	0.0385	158	
1	SEI406-472-157	SIDE "B" FORMED UPPER CHILL PLATE # 157	COPPER	0.0369	157	
1	SEI406-472-156	SIDE "B" FORMED UPPER CHILL PLATE # 156	COPPER	0.0355	156	
1	SEI406-472-155	SIDE "B" FORMED UPPER CHILL PLATE # 155	COPPER	0.0356	155	
1	SEI406-472-154	SIDE "B" FORMED UPPER CHILL PLATE # 154	COPPER	0.0364	154	
1	SEI406-472-153	SIDE "B" FORMED UPPER CHILL PLATE # 153	COPPER	0.0389	153	
1	SEI406-472-152	SIDE "B" FORMED UPPER CHILL PLATE # 152	COPPER	0.0419	152	
1	SEI406-472-151	SIDE "B" FORMED UPPER CHILL PLATE # 151	COPPER	0.0451	151	
1	SEI406-472-150	SIDE "B" FORMED UPPER CHILL PLATE # 150	COPPER	0.0470	150	
1	SEI406-472-149	SIDE "B" FORMED UPPER CHILL PLATE # 149	COPPER	0.0487	149	
1	SEI406-472-148	SIDE "B" FORMED UPPER CHILL PLATE # 148	COPPER	0.0508	148	
1	SEI406-472-147	SIDE "B" FORMED UPPER CHILL PLATE # 147	COPPER	0.0517	147	
1	SEI406-472-146	SIDE "B" FORMED UPPER CHILL PLATE # 146	COPPER	0.0516	146	
1	SEI406-472-145	SIDE "B" FORMED UPPER CHILL PLATE # 145	COPPER	0.0523	145	
1	SEI406-472-144	SIDE "B" FORMED UPPER CHILL PLATE # 144	COPPER	0.0517	144	
1	SEI406-472-143	SIDE "B" FORMED UPPER CHILL PLATE # 143	COPPER	0.0514	143	
1	SEI406-472-142	SIDE "B" FORMED UPPER CHILL PLATE # 142	COPPER	0.0489	142	
1	SEI406-472-141	SIDE "B" FORMED UPPER CHILL PLATE # 141	COPPER	0.0455	141	
1	SEI406-472-140	SIDE "B" FORMED UPPER CHILL PLATE # 140	COPPER	0.0413	140	
1	SEI406-472-139	SIDE "B" FORMED UPPER CHILL PLATE # 139	COPPER	0.0373	139	
1	SEI406-472-138	SIDE "B" FORMED UPPER CHILL PLATE # 138	COPPER	0.0340	138	
1	SEI406-472-137	SIDE "B" FORMED UPPER CHILL PLATE # 137	COPPER	0.0309	137	
1	SEI406-472-136	SIDE "B" FORMED UPPER CHILL PLATE # 136	COPPER	0.0291	136	
1	SEI406-472-135	SIDE "B" FORMED UPPER CHILL PLATE # 135	COPPER	0.0279	135	
1	SEI406-472-134	SIDE "B" FORMED UPPER CHILL PLATE # 134	COPPER	0.0284	134	
1	SEI406-472-133	SIDE "B" FORMED UPPER CHILL PLATE # 133	COPPER	0.0285	133	
1	SEI406-472-132	SIDE "B" FORMED UPPER CHILL PLATE # 132	COPPER	0.0303	132	
1	SEI406-472-131	SIDE "B" FORMED UPPER CHILL PLATE # 131	COPPER	0.0310	131	
1	SEI406-472-130	SIDE "B" FORMED UPPER CHILL PLATE # 130	COPPER	0.0315	130	
1	SEI406-472-129	SIDE "B" FORMED UPPER CHILL PLATE # 129	COPPER	0.0315	129	
1	SEI406-472-128	SIDE "B" FORMED UPPER CHILL PLATE # 128	COPPER	0.0325	128	
1	SEI406-472-127	SIDE "B" FORMED UPPER CHILL PLATE # 127	COPPER	0.0331	127	
1	SEI406-472-126	SIDE "B" FORMED UPPER CHILL PLATE # 126	COPPER	0.0346	126	
1	SEI406-472-125	SIDE "B" FORMED UPPER CHILL PLATE # 125	COPPER	0.0354	125	
1	SEI406-472-124	SIDE "B" FORMED UPPER CHILL PLATE # 124	COPPER	0.0369	124	
1	SEI406-472-123	SIDE "B" FORMED UPPER CHILL PLATE # 123	COPPER	0.0371	123	
1	SEI406-472-122	SIDE "B" FORMED UPPER CHILL PLATE # 122	COPPER	0.0381	122	
1	SEI406-472-121	SIDE "B" FORMED UPPER CHILL PLATE # 121	COPPER	0.0378	121	
1	SEI406-472-120	SIDE "B" FORMED UPPER CHILL PLATE # 120	COPPER	0.0393	120	
1	SEI406-472-119	SIDE "B" FORMED UPPER CHILL PLATE # 119	COPPER	0.0392	119	
1	SEI406-472-118	SIDE "B" FORMED UPPER CHILL PLATE # 118	COPPER	0.0409	118	
1	SEI406-472-117	SIDE "B" FORMED UPPER CHILL PLATE # 117	COPPER	0.0408	117	
1	SEI406-472-116	SIDE "B" FORMED UPPER CHILL PLATE # 116	COPPER	0.0421	116	
1	SEI406-472-115	SIDE "B" FORMED UPPER CHILL PLATE # 115	COPPER	0.0423	115	
1	SEI406-472-114	SIDE "B" FORMED UPPER CHILL PLATE # 114	COPPER	0.0432	114	
1	SEI406-472-113	SIDE "B" FORMED UPPER CHILL PLATE # 113	COPPER	0.0432	113	
1	SEI406-472-112	SIDE "B" FORMED UPPER CHILL PLATE # 112	COPPER	0.0436	112	
1	SEI406-472-111	SIDE "B" FORMED UPPER CHILL PLATE # 111	COPPER	0.0435	111	
1	SEI406-472-110	SIDE "B" FORMED UPPER CHILL PLATE # 110	COPPER	0.0436	110	
1	SEI406-472-109	SIDE "B" FORMED UPPER CHILL PLATE # 109	COPPER	0.0433	109	
1	SEI406-472-108	SIDE "B" FORMED UPPER CHILL PLATE # 108	COPPER	0.0435	108	
1	SEI406-472-107	SIDE "B" FORMED UPPER CHILL PLATE # 107	COPPER	0.0433	107	
1	SEI406-472-106	SIDE "B" FORMED UPPER CHILL PLATE # 106	COPPER	0.0435	106	
1	SEI406-472-105	SIDE "B" FORMED UPPER CHILL PLATE # 105	COPPER	0.0433	105	
1	SEI406-472-104	SIDE "B" FORMED UPPER CHILL PLATE # 104	COPPER	0.0435	104	
1	SEI406-472-103	SIDE "B" FORMED UPPER CHILL PLATE # 103	COPPER	0.0434	103	
1	SEI406-472-102	SIDE "B" FORMED UPPER CHILL PLATE # 102	COPPER	0.0435	102	
1	SEI406-472-101	SIDE "B" FORMED UPPER CHILL PLATE # 101	COPPER	0.0433	101	
1	SEI406-011	TWISTED RACETRACK WINDING FORM WLDMT	STEEL	730.0000	2	
1	-	SIDE "B" COPPER CHILL PLATE FAB INSTALL	-	4.0022	1	

next ass'y	CAGE CODE	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION	MATERIAL	WEIGHT	FIND NO
1	SEI406-472-200	SIDE "B" FORMED UPPER CHILL PLATE # 200	COPPER	0.0414	200	
1	SEI406-472-199	SIDE "B" FORMED UPPER CHILL PLATE # 199	COPPER	0.0417	199	
1	SEI406-472-198	SIDE "B" FORMED UPPER CHILL PLATE # 198	COPPER	0.0418	198	
1	SEI406-472-197	SIDE "B" FORMED UPPER CHILL PLATE # 197	COPPER	0.0422	197	
1	SEI406-472-196	SIDE "B" FORMED UPPER CHILL PLATE # 196	COPPER	0.0415	196	
1	SEI406-472-195	SIDE "B" FORMED UPPER CHILL PLATE # 195	COPPER	0.0400	195	
1	SEI406-472-194	SIDE "B" FORMED UPPER CHILL PLATE # 194	COPPER	0.0373	194	
1	SEI406-472-193	SIDE "B" FORMED UPPER CHILL PLATE # 193	COPPER	0.0337	193	
1	SEI406-472-192	SIDE "B" FORMED UPPER CHILL PLATE # 192	COPPER	0.0304	192	
1	SEI406-472-191	SIDE "B" FORMED UPPER CHILL PLATE # 191	COPPER	0.0290	191	
1	SEI406-472-190	SIDE "B" FORMED UPPER CHILL PLATE # 190	COPPER	0.0290	190	

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

SCALE NOTED

TOLERANCES UNLESS OTHERWISE SPECIFIED

DES	DATE
BRAD NELSON	02/04/05
TOM HARGROVE	02/04/05
MIKE CODE	02/04/05
DAVE WILLIAMSON	02/04/05

FRACOINS ±.01
XX DECIMALS ±.005
XXX DECIMALS ±.0015
ANGLES ±0'15"
BREAK SHARP EDGES OR MAX
FINISH UNLESS OTHERWISE SPECIFIED

PPPL DRFT J STEGEL 02/04/05

UT-BATTELLE

NATIONAL COMPACT STELLARATOR EXPERIMENT

TWISTED RACETRACK
SIDE "B" UPPER CHILL PLATE
FABRICATED INSTALLATION

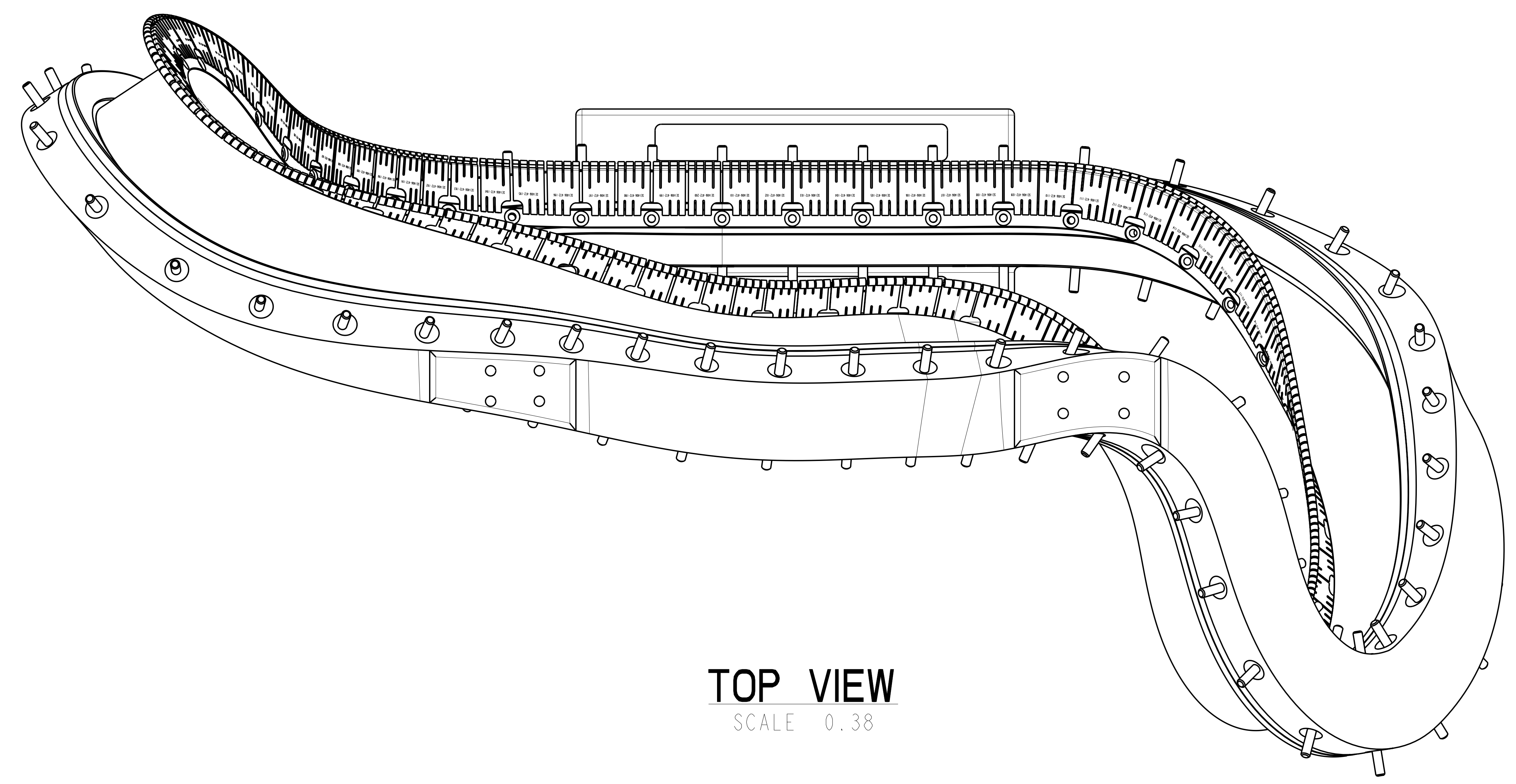
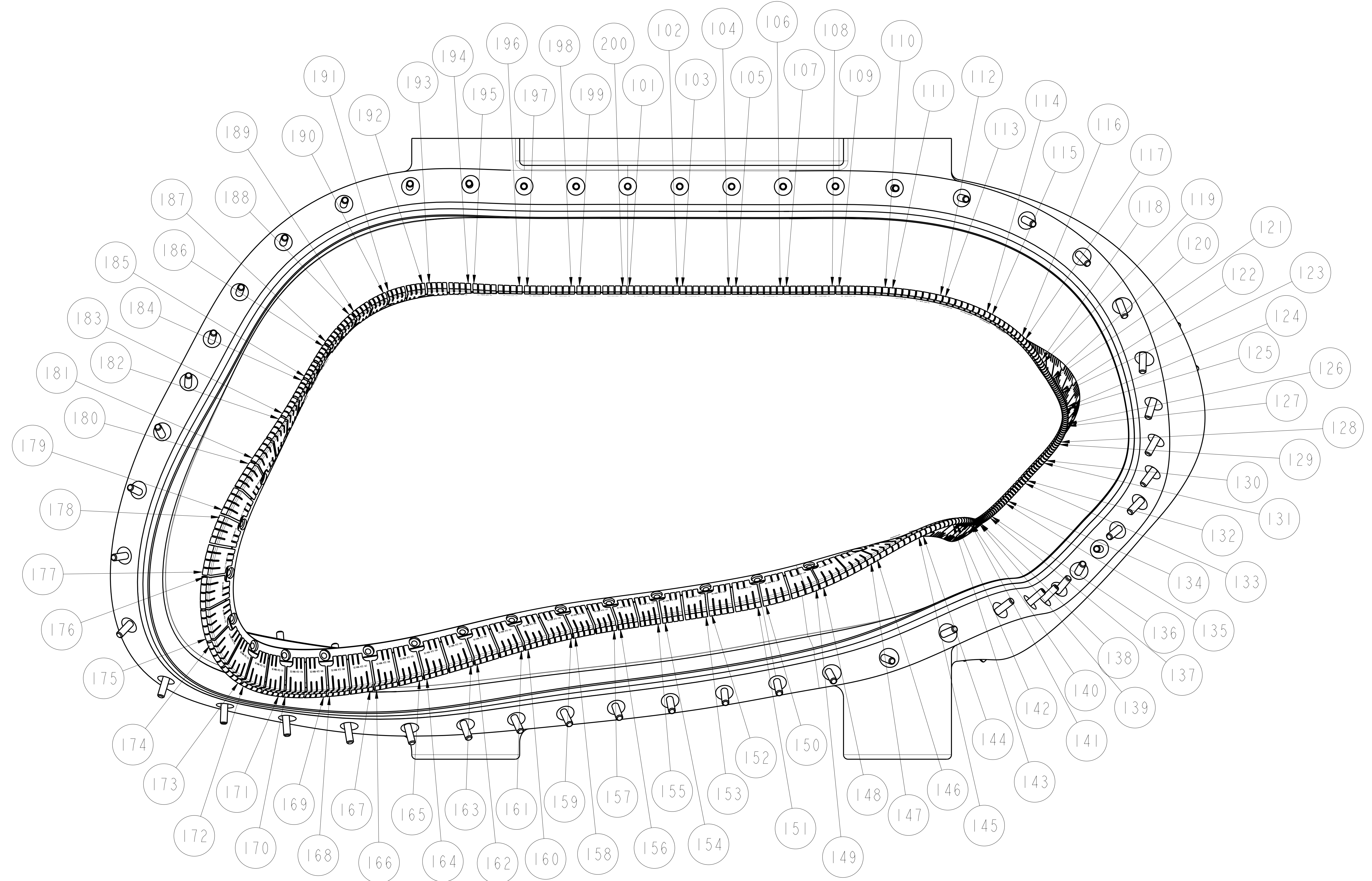
VERSION NO.	PLANT	BLDG	FL	SHT	TYPE	CLASS
1+	X-10	5700	3	1	2	U

RELEASE LEVEL: Fabrication

DRAWING APPROVALS: SEI406-471

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P THIS DRAWING PRODUCED ON PRO-ENGINEER



TOP VIEW
SCALE 0.38

**RELEASED FOR
FABRICATION / INSTALLATION**

PPPL Drafting:

<small>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>						
UT-BATTELLE						
PROJECT NAME						
NATIONAL COMPACT STELLARATOR EXPERIMENT						
TWISTED RACETRACK SIDE "B" UPPER CHILL PLATE FABRICATED INSTALLATION						
VERSION NO:	PLANT	BLDG	FL	SHT	OF	TYPE CLASS
1+	X-10	5700	3	2	2	U
RELEASE LEVEL		SE1406-471			REV	
Fabrication					0	