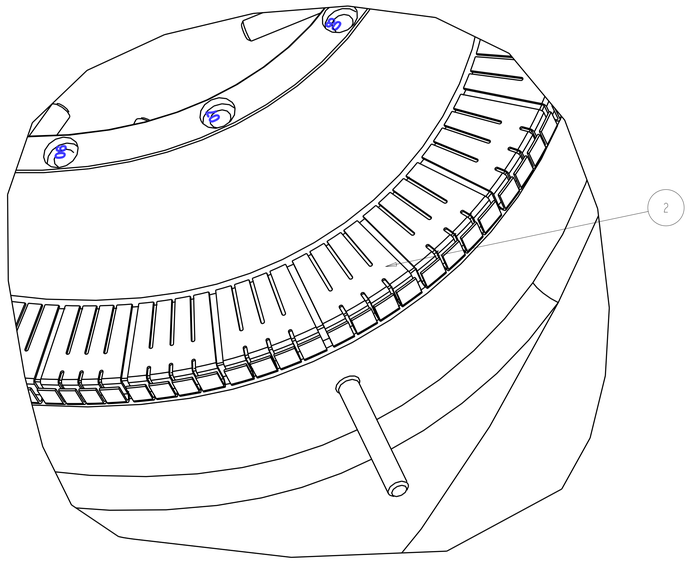
INSTANCE NAME	HOLE	S-DIM	PART NAME
SE142C-384_FLAT_270		0.885417	SE142C-384-270
SE142C-384_FLAT_271	1	0.890625	SE142C-384-271
SE142C-384_FLAT_272		0.895833	SE142C-384-272
SE142C-384_FLAT_273	2	0.901042	SE142C-384-273
SE142C-384_FLAT_274		0.906250	SE142C-384-274
SE142C-384_FLAT_275	3	0.911458	SE142C-384-275
SE142C-384_FLAT_276		0.916667	SE142C-384-276
SE142C-384_FLAT_277	4	0.921875	SE142C-384-277
SE142C-384_FLAT_278		0.927083	SE142C-384-278
SE142C-384_FLAT_279	5	0.932292	SE142C-384-279
SE142C-384_FLAT_280		0.937500	SE142C-384-280
SE142C-384_FLAT_281	6	0.942708	SE142C-384-281
SE142C-384_FLAT_282		0.947917	SE142C-384-282
SE142C-384_FLAT_283	7	0.953125	SE142C-384-283
SE142C-384_FLAT_284		0.958333	SE142C-384-284
SE142C-384_FLAT_285	8	0.963542	SE142C-384-285
SE142C-384_FLAT_286		0.968750	SE142C-384-286
SE142C-384_FLAT_287	9	0.973958	SE142C-384-287
SE142C-384_FLAT_288		0.979167	SE142C-384-288
SE142C-384_FLAT_289	10	0.984375	SE142C-384-289
SE142C-384_FLAT_290		0.989583	SE142C-384-290
SE142C-384_FLAT_291	11	0.994792	SE142C-384-291
SE142C-384_FLAT_290-NEW		0.000000	SE142C-384-290
SE142C-384_FLAT_101	12	0.005208	SE142C-384-101
SE142C-384_FLAT_102		0.010417	SE142C-384-102
SE142C-384_FLAT_103-NEW	13	0.015625	SE142C-384-103
SE142C-384_FLAT_NEW_104		0.019341	SE142C-384-104
SE142C-384_FLAT_105	14	0.024000	SE142C-384-105
SE142C-384_FLAT_NEW_106		0.024579	SE142C-384-106
SE142C-384_FLAT_NEW_107	15	0.036000	SE142C-384-107
SE142C-384_FLAT_107-108		0.041000	SE142C-384-108
SE142C-384_FLAT_109	16	0.046875	SE142C-384-109
SE142C-384_FLAT_110		0.052083	SE142C-384-110
SE142C-384_FLAT_111	17	0.057292	SE142C-384-111
SE142C-384_FLAT_112		0.062500	SE142C-384-112
SE142C-384_FLAT_113	18	0.067708	SE142C-384-113
SE142C-384_FLAT_114		0.072917	SE142C-384-114
SE142C-384_FLAT_115	19	0.078125	SE142C-384-115
SE142C-384_FLAT_116		0.083333	SE142C-384-116
SE142C-384_FLAT_117	20	0.088542	SE142C-384-117
SE142C-384_FLAT_118		0.093750	SE142C-384-118
SE142C-384_FLAT_119	21	0.098958	SE142C-384-119
SE142C-384_FLAT_120		0.104167	SE142C-384-120
SE142C-384_FLAT_121	22	0.109375	SE142C-384-121
SE142C-384_FLAT_122		0.114583	SE142C-384-122
SE142C-384_FLAT_123	23	0.119792	SE142C-384-123
SE142C-384_FLAT_124		0.125000	SE142C-384-124
SE142C-384_FLAT_125	24	0.130208	SE142C-384-125
SE142C-384_FLAT_126		0.135417	SE142C-384-126
SE142C-384_FLAT_127	25	0.140625	SE142C-384-127
SE142C-384_FLAT_128		0.145833	SE142C-384-128
SE142C-384_FLAT_129	26	0.151042	SE142C-384-129
SE142C-384_FLAT_130		0.156250	SE142C-384-130
SE142C-384_FLAT_131	27	0.161458	SE142C-384-131
SE142C-384_FLAT_132		0.166667	SE142C-384-132
SE142C-384_FLAT_133	28	0.171875	SE142C-384-133
SE142C-384_FLAT_134		0.177083	SE142C-384-134
SE142C-384_FLAT_135	29	0.182292	SE142C-384-135
SE142C-384_FLAT_136		0.187500	SE142C-384-136
SE142C-384_FLAT_137	30	0.192708	SE142C-384-137
SE142C-384_FLAT_138		0.197917	SE142C-384-138
SE142C-384_FLAT_139	31	0.203125	SE142C-384-139
SE142C-384_FLAT_140		0.208333	SE142C-384-140
SE142C-384_FLAT_141	32	0.213542	SE142C-384-141
SE142C-384_FLAT_142		0.218750	SE142C-384-142
SE142C-384_FLAT_143	33	0.223958	SE142C-384-143
SE142C-384_FLAT_144		0.229167	SE142C-384-144
SE142C-384_FLAT_145	34	0.234375	SE142C-384-145
SE142C-384_FLAT_146		0.239583	SE142C-384-146
SE142C-384_FLAT_147	35	0.244792	SE142C-384-147
SE142C-384_FLAT_148		0.250000	SE142C-384-148
SE142C-384_FLAT_149	36	0.255208	SE142C-384-149
SE142C-384_FLAT_150		0.260417	SE142C-384-150
SE142C-384_FLAT_151	37	0.265625	SE142C-384-151
SE142C-384_FLAT_152		0.270833	SE142C-384-152
SE142C-384_FLAT_153	38	0.276042	SE142C-384-153
SE142C-384_FLAT_154		0.281250	SE142C-384-154
SE142C-384_FLAT_155	39	0.286458	SE142C-384-155
SE142C-384_FLAT_156		0.291667	SE142C-384-156
SE142C-384_FLAT_157	40	0.296875	SE142C-384-157
SE142C-384_FLAT_158		0.302083	SE142C-384-158
SE142C-384_FLAT_159	41	0.307292	SE142C-384-159
SE142C-384_FLAT_160		0.312500	SE142C-384-160
SE142C-384_FLAT_161	42	0.317708	SE142C-384-161
SE142C-384_FLAT_162		0.322917	SE142C-384-162
SE142C-384_FLAT_163	43	0.328125	SE142C-384-163
SE142C-384_FLAT_164		0.333333	SE142C-384-164
SE142C-384_FLAT_165	44	0.338542	SE142C-384-165
SE142C-384_FLAT_166		0.343750	SE142C-384-166
SE142C-384_FLAT_167	45	0.348958	SE142C-384-167
SE142C-384_FLAT_168		0.354167	SE142C-384-168
SE142C-384_FLAT_169	46	0.359375	SE142C-384-169
SE142C-384_FLAT_170		0.364583	SE142C-384-170
SE142C-384_FLAT_171	47	0.369792	SE142C-384-171
SE142C-384_FLAT_172		0.375000	SE142C-384-172
SE142C-384_FLAT_173	48	0.380208	SE142C-384-173

INSTANCE NAME	HOLE	S-DIM	PART NAME
SE142C-384_FLAT_174		0.385417	SE142C-384-174
SE142C-384_FLAT_175	49	0.390625	SE142C-384-175
SE142C-384_FLAT_176		0.395833	SE142C-384-176
SE142C-384_FLAT_177	50	0.401042	SE142C-384-177
SE142C-384_FLAT_178		0.406250	SE142C-384-178
SE142C-384_FLAT_179	51	0.411458	SE142C-384-179
SE142C-384_FLAT_180		0.416667	SE142C-384-180
SE142C-384_FLAT_181	52	0.421875	SE142C-384-181
SE142C-384_FLAT_182		0.427083	SE142C-384-182
SE142C-384_FLAT_183	53	0.432292	SE142C-384-183
SE142C-384_FLAT_184		0.437500	SE142C-384-184
SE142C-384_FLAT_185	54	0.442708	SE142C-384-185
SE142C-384_FLAT_186		0.447917	SE142C-384-186
SE142C-384_FLAT_187	55	0.453125	SE142C-384-187
SE142C-384_FLAT_188		0.458333	SE142C-384-188
SE142C-384_FLAT_189	56	0.463542	SE142C-384-189
SE142C-384_FLAT_190		0.468750	SE142C-384-190
SE142C-384_FLAT_191	57	0.473958	SE142C-384-191
SE142C-384_FLAT_192		0.479167	SE142C-384-192
SE142C-384_FLAT_193	58	0.484375	SE142C-384-193
SE142C-384_FLAT_194		0.489583	SE142C-384-194
SE142C-384-FLAT_195_NEW	59	0.494792	SE142C-384-195
SE142C-384-FLAT-196		0.500000	SE142C-384-196
SE142C-384-FLAT-197	60	0.505208	SE142C-384-197
SE142C-384-FLAT-291		0.510417	SE142C-384-198
SE142C-384-FLAT-292	61	0.515625	SE142C-384-199
SE142C-384_FLAT_198		0.520833	SE142C-384-200
SE142C-384_FLAT_201	62	0.526042	SE142C-384-201
SE142C-384_FLAT_202		0.531250	SE142C-384-202
SE142C-384_FLAT_203	63	0.536458	SE142C-384-203
SE142C-384_FLAT_204		0.541667	SE142C-384-204
SE142C-384_FLAT_205	64	0.546875	SE142C-384-205
SE142C-384_FLAT_206		0.552083	SE142C-384-206
SE142C-384_FLAT_207	65	0.557292	SE142C-384-207
SE142C-384_FLAT_208		0.562500	SE142C-384-208
SE142C-384_FLAT_209	66	0.567708	SE142C-384-209
SE142C-384_FLAT_210		0.572917	SE142C-384-210
SE142C-384_FLAT_211	67	0.578125	SE142C-384-211
SE142C-384_FLAT_212		0.583334	SE142C-384-212
SE142C-384_FLAT_213	68	0.588542	SE142C-384-213
SE142C-384_FLAT_214		0.593750	SE142C-384-214
SE142C-384_FLAT_215	69	0.598959	SE142C-384-215
SE142C-384_FLAT_216		0.604167	SE142C-384-216
SE142C-384_FLAT_217	70	0.609375	SE142C-384-217
SE142C-384_FLAT_218		0.614584	SE142C-384-218
SE142C-384_FLAT_219	71	0.619792	SE142C-384-219
SE142C-384_FLAT_220		0.625000	SE142C-384-220
SE142C-384_FLAT_221	72	0.630209	SE142C-384-221
SE142C-384_FLAT_222		0.635417	SE142C-384-222
SE142C-384_FLAT_223	73	0.640625	SE142C-384-223
SE142C-384_FLAT_224		0.645834	SE142C-384-224
SE142C-384_FLAT_225	74	0.651042	SE142C-384-225
SE142C-384_FLAT_226		0.656250	SE142C-384-226
SE142C-384_FLAT_227	75	0.661458	SE142C-384-227
SE142C-384_FLAT_228		0.666667	SE142C-384-228
SE142C-384_FLAT_229	76	0.671875	SE142C-384-229
SE142C-384_FLAT_230		0.677083	SE142C-384-230
SE142C-384_FLAT_231	77	0.682292	SE142C-384-231
SE142C-384_FLAT_232		0.687500	SE142C-384-232
SE142C-384_FLAT_233	78	0.692708	SE142C-384-233
SE142C-384_FLAT_234		0.697917	SE142C-384-234
SE142C-384_FLAT_235	79	0.703125	SE142C-384-235
SE142C-384_FLAT_236		0.708333	SE142C-384-236
SE142C-384_FLAT_237	80	0.713542	SE142C-384-237
SE142C-384_FLAT_238		0.718750	SE142C-384-238
SE142C-384_FLAT_239	81	0.723958	SE142C-384-239
SE142C-384_FLAT_240		0.729167	SE142C-384-240
SE142C-384_FLAT_241	82	0.734375	SE142C-384-241
SE142C-384_FLAT_242		0.739583	SE142C-384-242
SE142C-384_FLAT_243	83	0.744792	SE142C-384-243
SE142C-384_FLAT_244		0.750000	SE142C-384-244
SE142C-384_FLAT_245	84	0.755208	SE142C-384-245
SE142C-384_FLAT_246		0.760417	SE142C-384-246
SE142C-384_FLAT_247	85	0.765625	SE142C-384-247
SE142C-384_FLAT_248-		0.770833	SE142C-384-248
SE142C-384_FLAT_249	86	0.776042	SE142C-384-249
SE142C-384_FLAT_250		0.781250	SE142C-384-250
SE142C-384_FLAT_NEW-251	87	0.786458	SE142C-384-251
SE142C-384_FLAT_NEW_252		0.791667	SE142C-384-252
SE142C-384_FLAT_NEW-253	88	0.796875	SE142C-384-253
SE142C-384_FLAT_NEW_254		0.802083	SE142C-384-254
SE142C-384_FLAT_NEW-255	89	0.807292	SE142C-384-255
SE142C-384_FLAT_NEW_256		0.812500	SE142C-384-256
SE142C-384_FLAT_NEW-257	90	0.817708	SE142C-384-257
SE142C-384_FLAT_NEW_258		0.822917	SE142C-384-258
SE142C-384_FLAT_NEW-259	91	0.828125	SE142C-384-259
SE142C-384_FLAT_260		0.833333	SE142C-384-260
SE142C-384_FLAT_261	92	0.838542	SE142C-384-261
SE142C-384_FLAT_262		0.843750	SE142C-384-262
SE142C-384_FLAT_263	93	0.848958	SE142C-384-263
SE142C-384_FLAT_264		0.854167	SE142C-384-264
SE142C-384_FLAT_265	94	0.859375	SE142C-384-265
SE142C-384_FLAT_266		0.864583	SE142C-384-266
SE142C-384_FLAT_267	95	0.869792	SE142C-384-267
SE142C-384_FLAT_268		0.875000	SE142C-384-268
SE142C-384_FLAT_269	96	0.880208	SE142C-384-269

NOTES

1. DRAWING PREPARED IN ACCORDANCE WITH ASME Y14.8M-1996.
2. INTERPRET DIMENSIONS AND TOLERANCES PER ANSI Y14.5M-1994.
3. DIMENSIONS ARE IN INCHES.
4. DRAWING DEPICTS FLAT PATTERN OF FORMED PARTS DEFINED BY PRO/ENGINNER FILES SE142C-384-XXX_FORM.PRT.
5. PROFILE TOLERANCE OF FLAT PATTERN IS +/- .010 IN.
6. REMOVE ALL BURRS AND SHARP EDGES.
7. IDENTIFY PARTS BY ETCHING OR PERMANENT MARKER.



ISOMETRIC VIEW
SCALE 1.00

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PPPL Drafting: Jerry Siegel 2005.10.14 14:13:46 -05'00'

	191		-2	CLADDING PARTS	COPPER, ANNEALED UNS C10100, C10200	2
AR			-1	TYPE-C SIDE-A LOWER CLADDING ASM		1
SE142C-251	-1	CAGE CODE	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION	MATERIAL / SPECIFICATION	FIND NO
			NEXT ASSEMBLY	PARTS LIST		

SE142C-384

NO REPRESENTATION OR WARRANTY,EXPRESSED OR IMPLIED,IS MADE AS TO THE ACCURACY, COMPLETENESS OR USEFULNESS OF THE INFORMATION OR STATEMENTS CONTAINED IN THESE DRAWINGS, OR THAT THE USE OR DISCLOSURE OF ANY INFORMATION, APPARATUS, METHOD OR PROCESS DISCLOSED IN THESE DRAWINGS MAY NOT INFRINGE PRIVATE RIGHTS OF OTHERS. NO LIABILITY IS ASSUMED WITH RESPECT TO THE USE OF, OR FOR DAMAGES RESULTING FROM THE USE OF, ANY INFORMATION, APPARATUS, METHOD OR PROCESS DISCLOSED IN THESE DRAWINGS. DRAWINGS MADE AVAILABLE FOR INFORMATION TO BIDDER ARE NOT TO BE USED FOR OTHER PURPOSES, AND ARE TO BE RETURNED UPON REQUEST OF THE FORWARDING CONTRACTOR.

P THIS DRAWING PRODUCED ON PRO-ENGINEER

REV	DESCRIPTION	BY	DATE	CHK	DEPT	DATE	PE	REQ	DATE	ORNL	DOE	DATE
	REVISION OR ISSUE PURPOSE	REVISION APPROVAL										

SCALE NOTED
TOLERANCES UNLESS OTHERWISE SPECIFIED
FRACTIONS :
XX DECIMALS ±.01
XXX DECIMALS ±.005
ANGLES ±0°15'
BREAK SHARP EDGES .06 MAX
FINISH .125 UNLESS OTHERWISE SPECIFIED

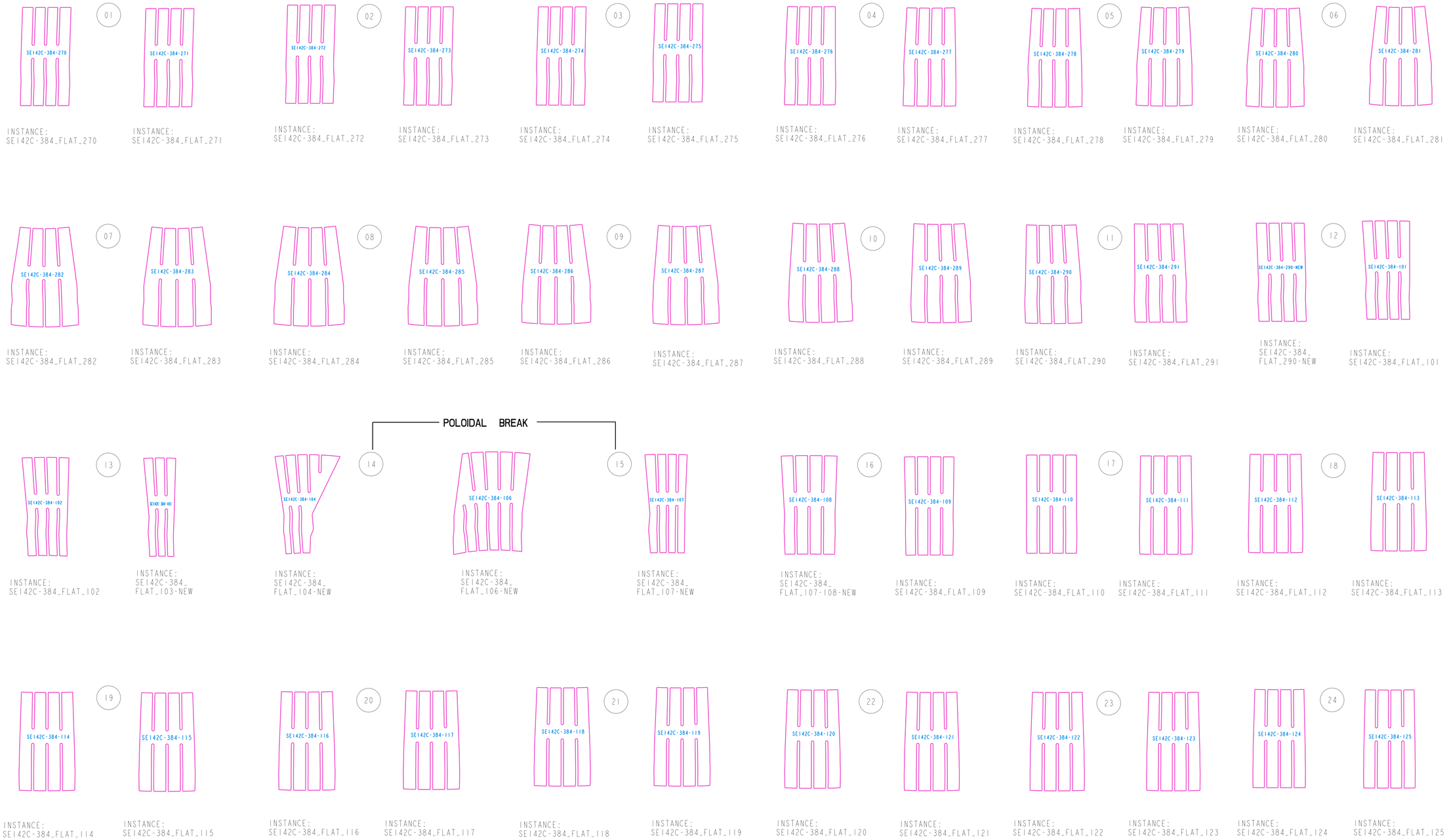
DRAWING APPROVALS		DATE
DES	T HARGROVE	08-2005
DRW	G MCGINNIS	08-2005
CHK	M COLE	10-05
SECT	:	:
DEPT	:	:
PE	D WILLIAMSON	10-05
CR	:	:
PJ	:	:
REO	:	:
PPPL DRFT	J SIEGEL	10-05

UT-BATTELLE
Oak Ridge National Laboratory
managed for the DEPARTMENT OF ENERGY under U.S. GOVERNMENT contract DE-AC05-000R22725
UT-BATTELLE, LLC. Oak Ridge, Tennessee

PROJECT NAME: NATIONAL COMPACT STELLARATOR EXPERIMENT

MODULAR COIL TYPE - C
SIDE -A LOWER CLADDING
FLAT PATTERN LAYOUT

VERSION NO.	PLANT	BLDG	FL	SHT	OF	TYPE	CLASS
6	X-10	5700	3	1	5	S	U
RELEASE LEVEL: Fabrication		SE142C-384					REV 0



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MODULAR COIL TYPE - C
SIDE -A LOWER CLADDING
FLAT PATTERN LAYOUT

VERSION NO.	PLANT	BLDG	FL	SHT	OF	TYPE	CLASS
6	X-10	5700	3	2	5	S	U

RELEASE LEVEL: Fabrication

SE142C-384

REV: 0

SCALE ALL VIEWS: 1.00

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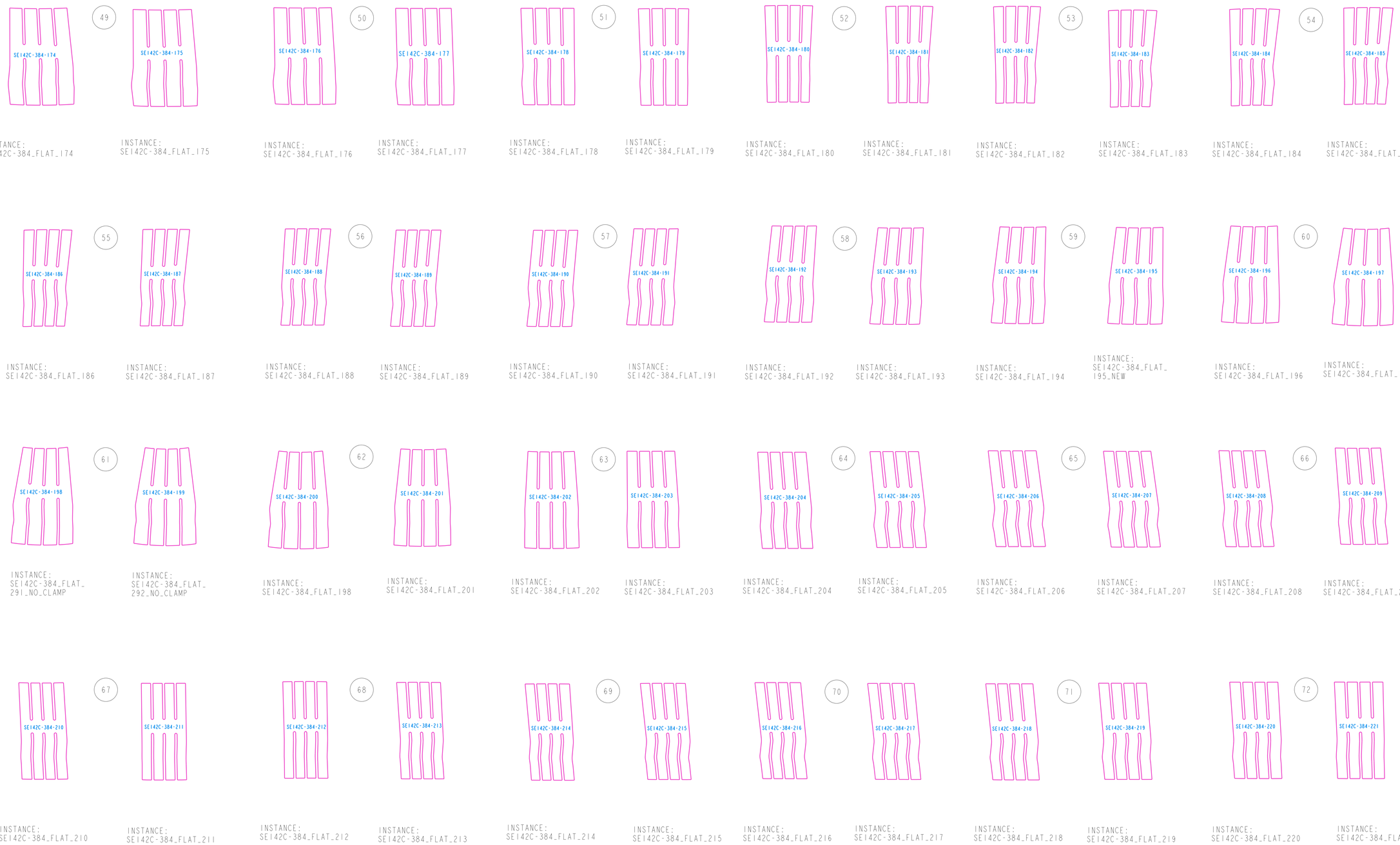
MODULAR COIL TYPE - C
SIDE -A LOWER CLADDING
FLAT PATTERN LAYOUT

VERSION NO.	PLANT	BLDG	FL	SHT	OF	TYPE	CLASS
6	X-10	5700	3	3	5	S	U

RELEASE LEVEL		REV
Fabrication	SE142C-384	0

SE142C-384



SCALE ALL VIEWS: 1.00

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PPPL Drafting: ? Jerry Siegel

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PROJECT NAME: NATIONAL COMPACT STELLARATOR EXPERIMENT

MODULAR COIL TYPE - C
SIDE -A LOWER CLADDING
FLAT PATTERN LAYOUT

VERSION NO.	PLANT	BLDG	FL	SHT	OF	TYPE	CLASS
6	X-10	5700	3	4	5	S	U

RELEASE LEVEL: Fabrication

SE142C-384

REV 0

SE142C-384

SCALE ALL VIEWS: 1.00

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PROJECT NAME: NATIONAL COMPACT STELLARATOR EXPERIMENT

MODULAR COIL TYPE - C
SIDE -A LOWER CLADDING
FLAT PATTERN LAYOUT

VERSION NO.	PLANT	BLDG	FL	SHT	OF	TYPE	CLASS
6	X-10	5700	3	5	5	S	U

RELEASE LEVEL		REV
Fabrication	SE142C-384	0

SE142C-384