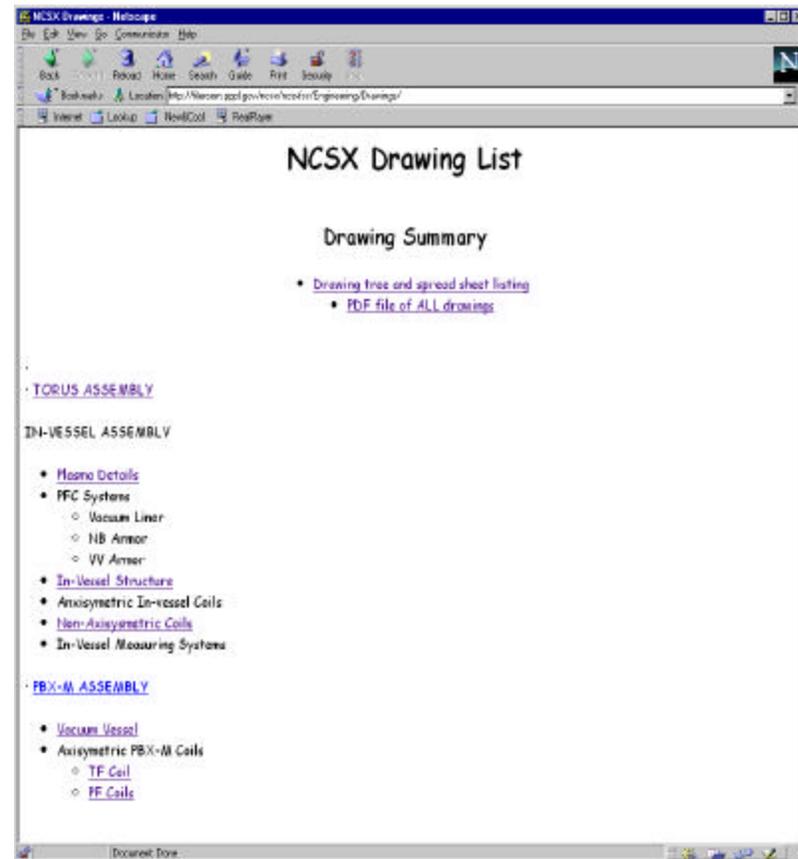




# NCSX - TWO-PERIOD BASELINE

---

- NCSX drawing web page created.
- Acrobat drawing method developed.
- Acrobat drawings of the two-period Baseline have been released to the NCSX web page.
- URL:  
<http://fileroom.pppl.gov/ncsx>



**Netscape** File Edit View Go Communicator Help

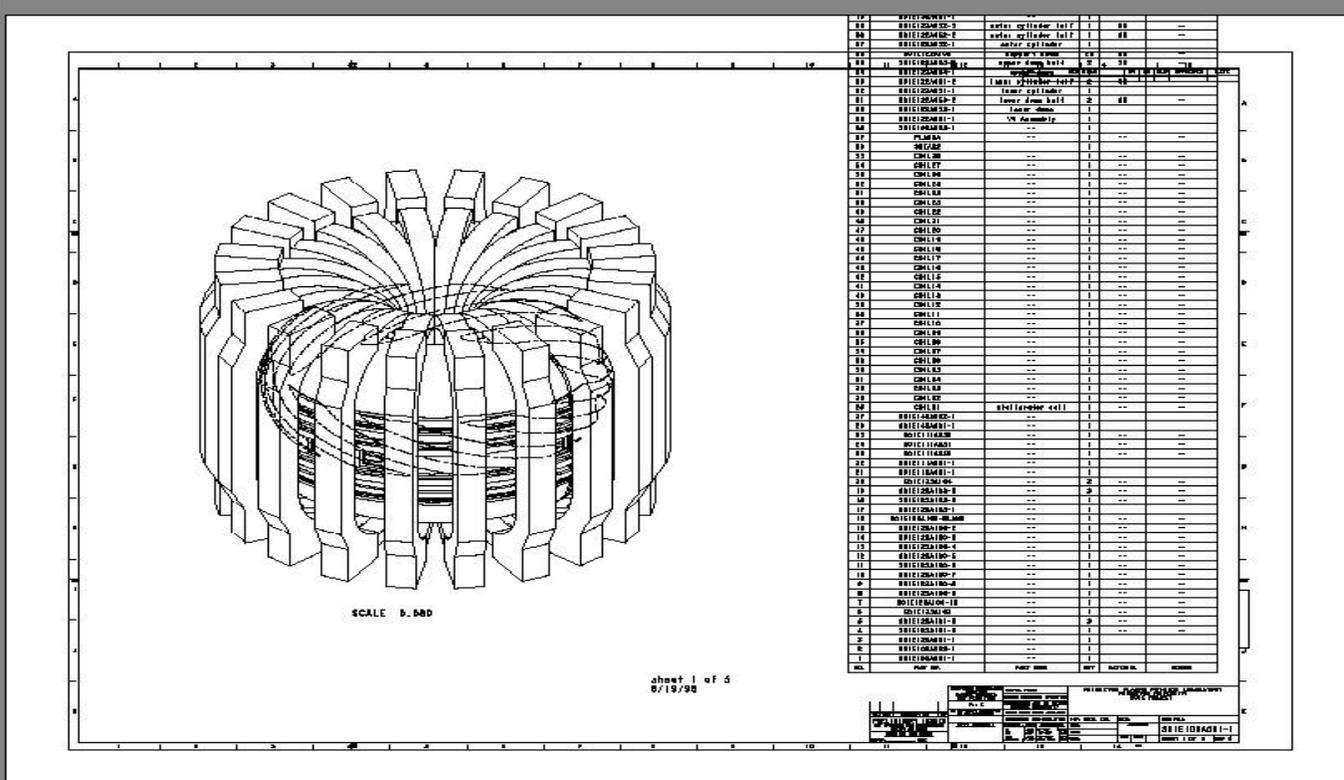
Back Forward Reload Home Search Guide Print Security Stop

Bookmarks Location: [http://fileroom.ppl.gov/ncsx/ncsx/Engineering/Drawings/Torus\\_As.pdf](http://fileroom.ppl.gov/ncsx/ncsx/Engineering/Drawings/Torus_As.pdf)

Internet Lookup New&Cool RealPlayer





17	BR1E120A001-1	...	1	...	...
18	BR1E120A002-1	upper cylinder part	1	...	...
19	BR1E120A003-1	lower cylinder part	1	...	...
20	BR1E120A004-1	outer cylinder	1	...	...
21	BR1E120A005-1	inner cylinder	1	...	...
22	BR1E120A006-1	upper ring part	2	...	...
23	BR1E120A007-1	lower ring part	2	...	...
24	BR1E120A008-1	inner ring part	2	...	...
25	BR1E120A009-1	outer ring part	2	...	...
26	BR1E120A010-1	inner assembly	1	...	...
27	BR1E120A011-1	...	1	...	...
28	BR1E120A012-1	...	1	...	...
29	BR1E120A013-1	...	1	...	...
30	BR1E120A014-1	...	1	...	...
31	BR1E120A015-1	...	1	...	...
32	BR1E120A016-1	...	1	...	...
33	BR1E120A017-1	...	1	...	...
34	BR1E120A018-1	...	1	...	...
35	BR1E120A019-1	...	1	...	...
36	BR1E120A020-1	...	1	...	...
37	BR1E120A021-1	...	1	...	...
38	BR1E120A022-1	...	1	...	...
39	BR1E120A023-1	...	1	...	...
40	BR1E120A024-1	...	1	...	...
41	BR1E120A025-1	...	1	...	...
42	BR1E120A026-1	...	1	...	...
43	BR1E120A027-1	...	1	...	...
44	BR1E120A028-1	...	1	...	...
45	BR1E120A029-1	...	1	...	...
46	BR1E120A030-1	...	1	...	...
47	BR1E120A031-1	...	1	...	...
48	BR1E120A032-1	...	1	...	...
49	BR1E120A033-1	...	1	...	...
50	BR1E120A034-1	...	1	...	...
51	BR1E120A035-1	...	1	...	...
52	BR1E120A036-1	...	1	...	...
53	BR1E120A037-1	...	1	...	...
54	BR1E120A038-1	...	1	...	...
55	BR1E120A039-1	...	1	...	...
56	BR1E120A040-1	...	1	...	...
57	BR1E120A041-1	...	1	...	...
58	BR1E120A042-1	...	1	...	...
59	BR1E120A043-1	...	1	...	...
60	BR1E120A044-1	...	1	...	...
61	BR1E120A045-1	...	1	...	...
62	BR1E120A046-1	...	1	...	...
63	BR1E120A047-1	...	1	...	...
64	BR1E120A048-1	...	1	...	...
65	BR1E120A049-1	...	1	...	...
66	BR1E120A050-1	...	1	...	...
67	BR1E120A051-1	...	1	...	...
68	BR1E120A052-1	...	1	...	...
69	BR1E120A053-1	...	1	...	...
70	BR1E120A054-1	...	1	...	...
71	BR1E120A055-1	...	1	...	...
72	BR1E120A056-1	...	1	...	...
73	BR1E120A057-1	...	1	...	...
74	BR1E120A058-1	...	1	...	...
75	BR1E120A059-1	...	1	...	...
76	BR1E120A060-1	...	1	...	...
77	BR1E120A061-1	...	1	...	...
78	BR1E120A062-1	...	1	...	...
79	BR1E120A063-1	...	1	...	...
80	BR1E120A064-1	...	1	...	...
81	BR1E120A065-1	...	1	...	...
82	BR1E120A066-1	...	1	...	...
83	BR1E120A067-1	...	1	...	...
84	BR1E120A068-1	...	1	...	...
85	BR1E120A069-1	...	1	...	...
86	BR1E120A070-1	...	1	...	...
87	BR1E120A071-1	...	1	...	...
88	BR1E120A072-1	...	1	...	...
89	BR1E120A073-1	...	1	...	...
90	BR1E120A074-1	...	1	...	...
91	BR1E120A075-1	...	1	...	...
92	BR1E120A076-1	...	1	...	...
93	BR1E120A077-1	...	1	...	...
94	BR1E120A078-1	...	1	...	...
95	BR1E120A079-1	...	1	...	...
96	BR1E120A080-1	...	1	...	...
97	BR1E120A081-1	...	1	...	...
98	BR1E120A082-1	...	1	...	...
99	BR1E120A083-1	...	1	...	...
100	BR1E120A084-1	...	1	...	...
101	BR1E120A085-1	...	1	...	...
102	BR1E120A086-1	...	1	...	...
103	BR1E120A087-1	...	1	...	...
104	BR1E120A088-1	...	1	...	...
105	BR1E120A089-1	...	1	...	...
106	BR1E120A090-1	...	1	...	...
107	BR1E120A091-1	...	1	...	...
108	BR1E120A092-1	...	1	...	...
109	BR1E120A093-1	...	1	...	...
110	BR1E120A094-1	...	1	...	...
111	BR1E120A095-1	...	1	...	...
112	BR1E120A096-1	...	1	...	...
113	BR1E120A097-1	...	1	...	...
114	BR1E120A098-1	...	1	...	...
115	BR1E120A099-1	...	1	...	...
116	BR1E120A100-1	...	1	...	...

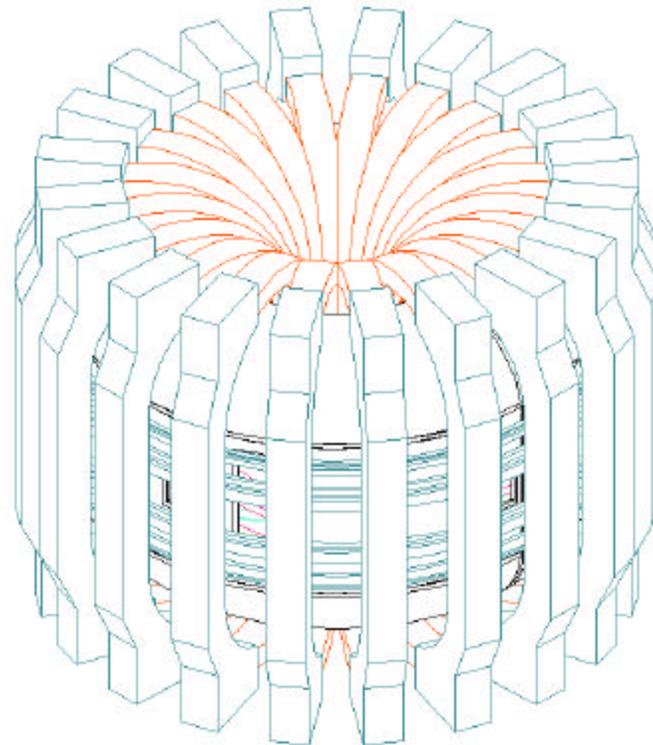
SCALE 5.000

sheet 1 of 5  
8/18/98

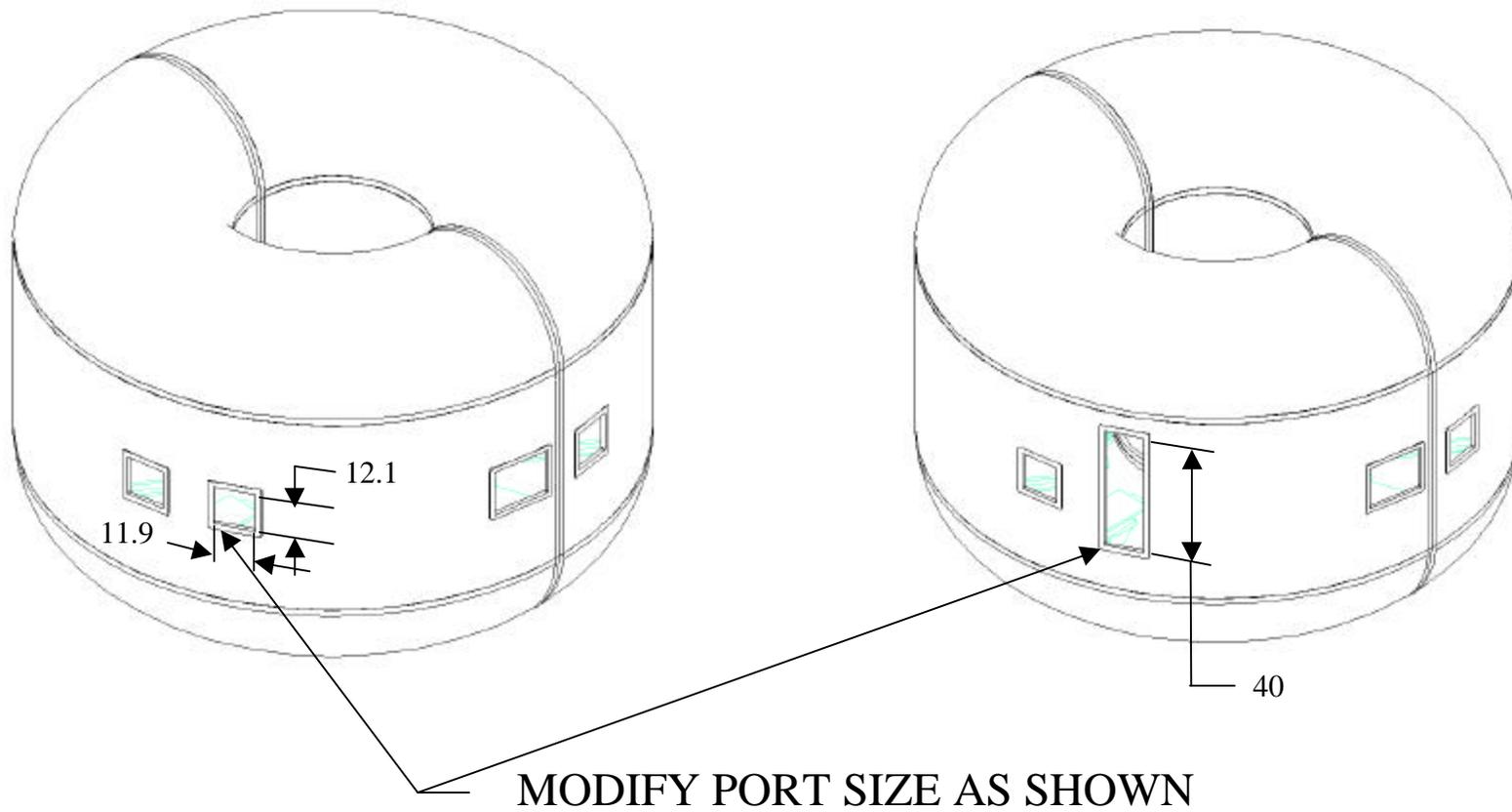
Document: Done

# NCSX - DESIGN INTEGRATION

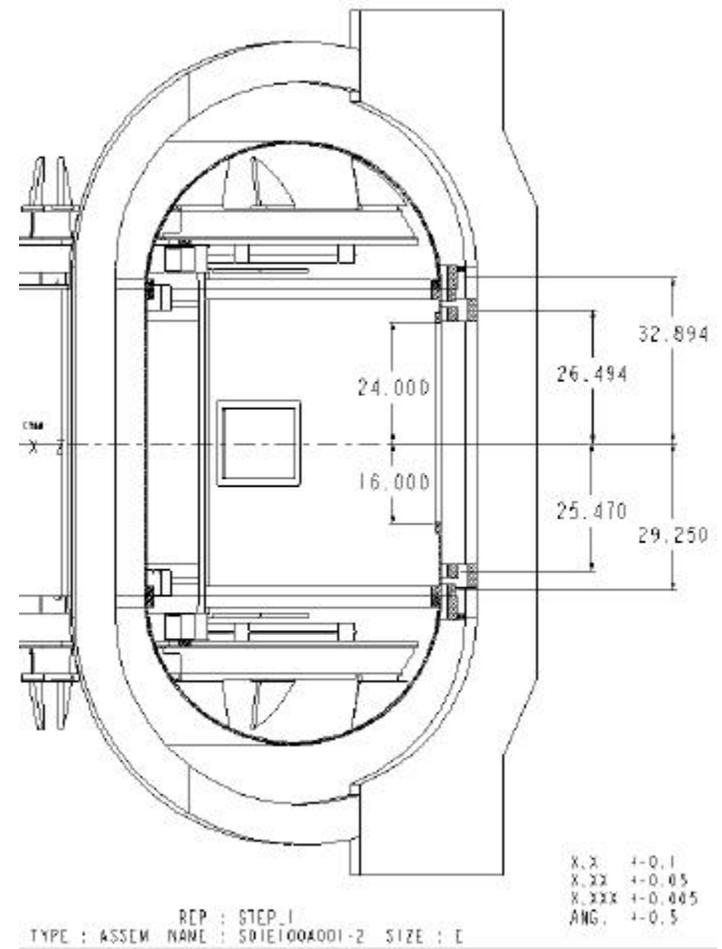
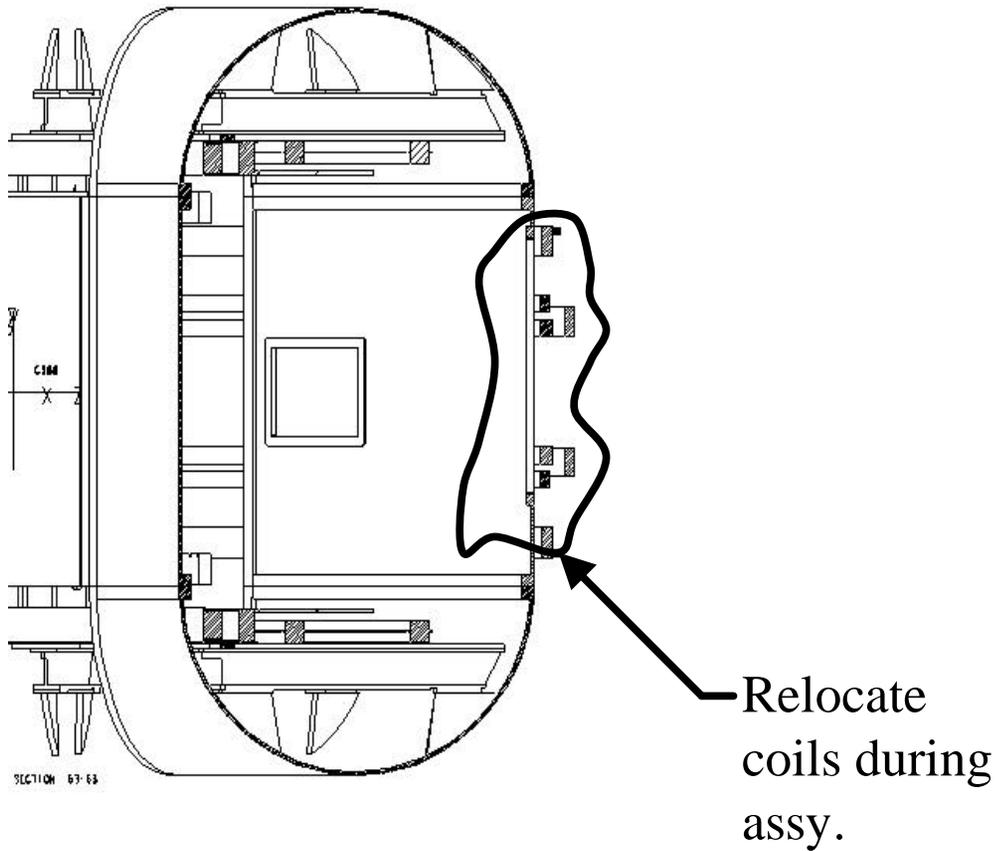
- Develop model sequence drawings that depict in-vessel component assembly approach.
- Confirm that all components can pass through VV port.
- Confirm an acceptable assembly method can be developed.



# NCSX - VACUUM VESSEL PORT MODIFICATION



# NCSX - PF COIL TEMPORARY RELOCATION



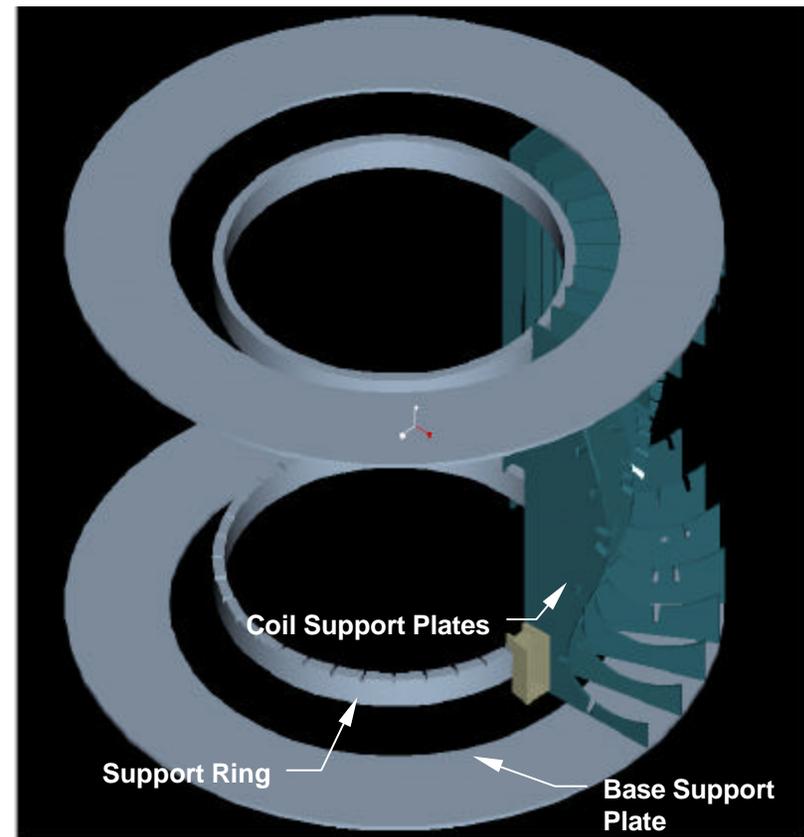
# NCSX - INTERNAL SUPPORT ASSY

- Internal Support Concept
- Consist of 3 basic components

Support Ring

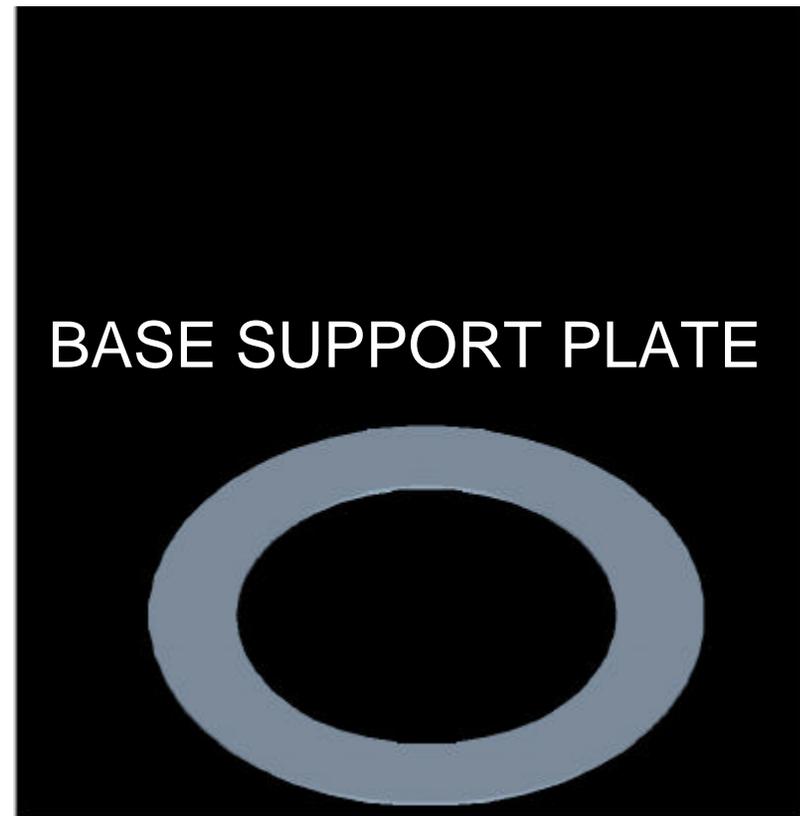
Coil Support Plates

Base Support Plates



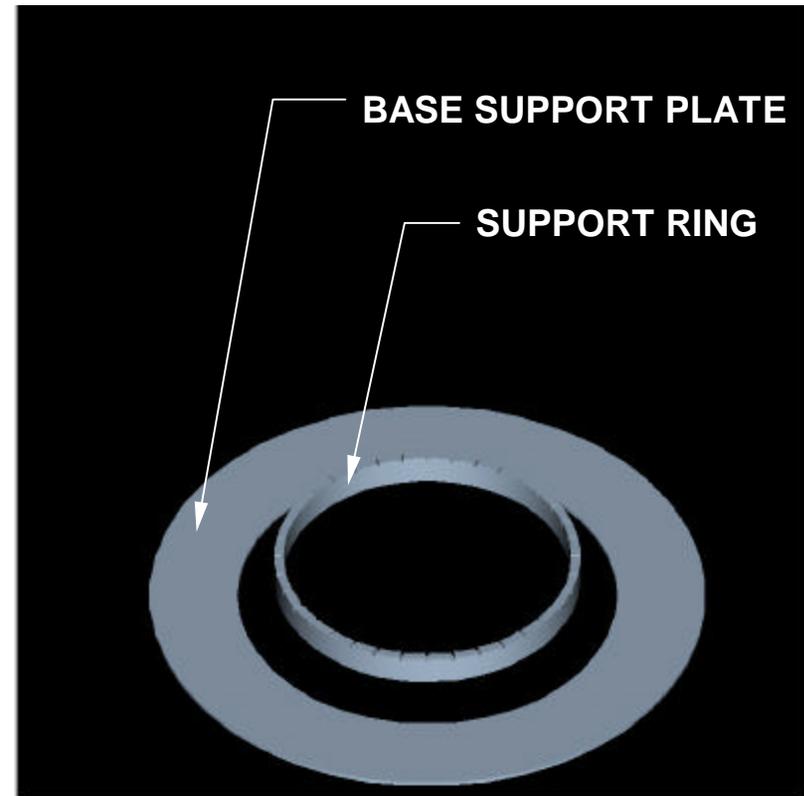
# NCSX - INTERNAL SUPPORT ASSY

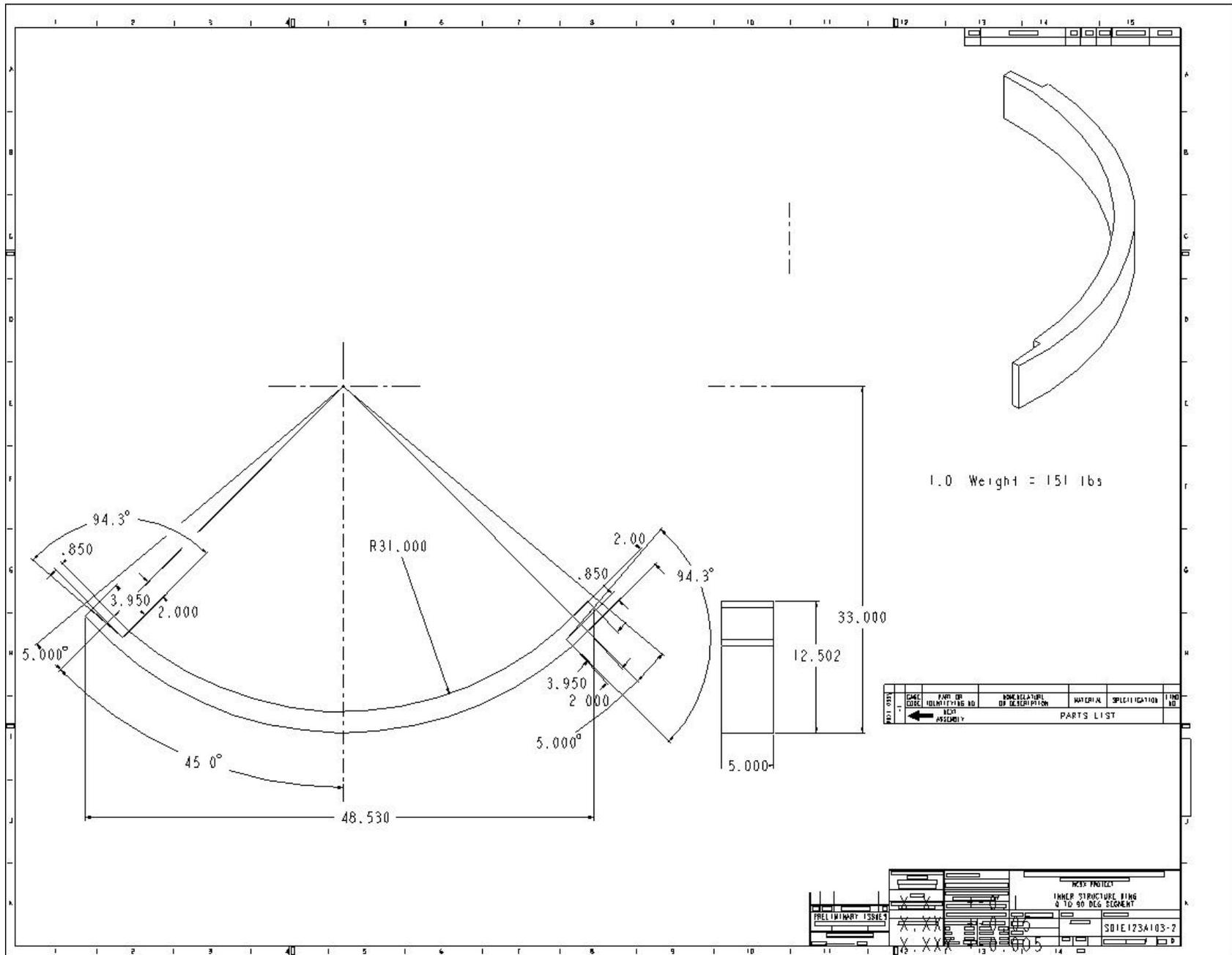
- Assembly to start with lower Base Support Plate.
- Base Plate can be installed thru port opening if segmented.



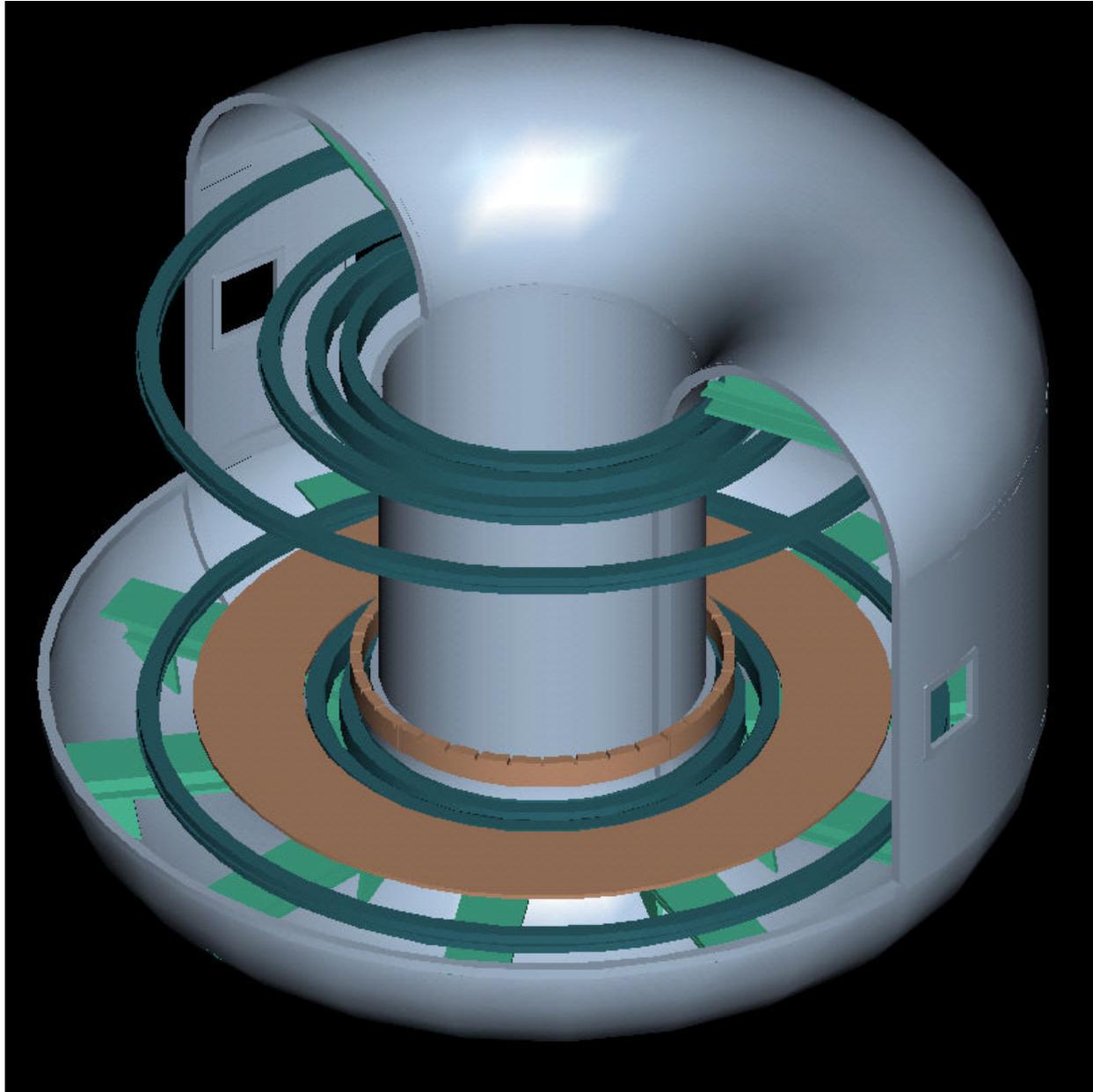
# NCSX - INTERNAL SUPPORT ASSY

- Support ring is installed next.
- Ring is installed in 90° segments.
- Size of segments should not present any problems in fitting thru vessel opening.





SCALE : 0.375 TYPE : PART NAME : S01E123A103-2 SIZE : E



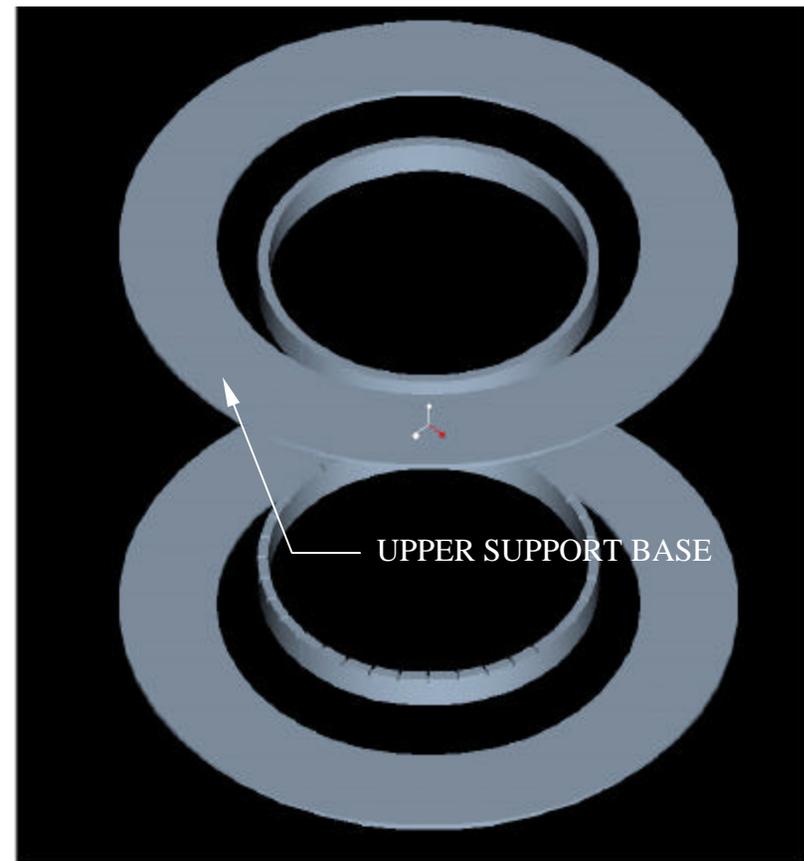
# NCSX - INTERNAL SUPPORT ASSY

- THE NEXT STEP IS TO ADD THE UPPER RING ASSEMBLY.
- NO PROBLEMS EXPECTED DURING THIS ASSY.



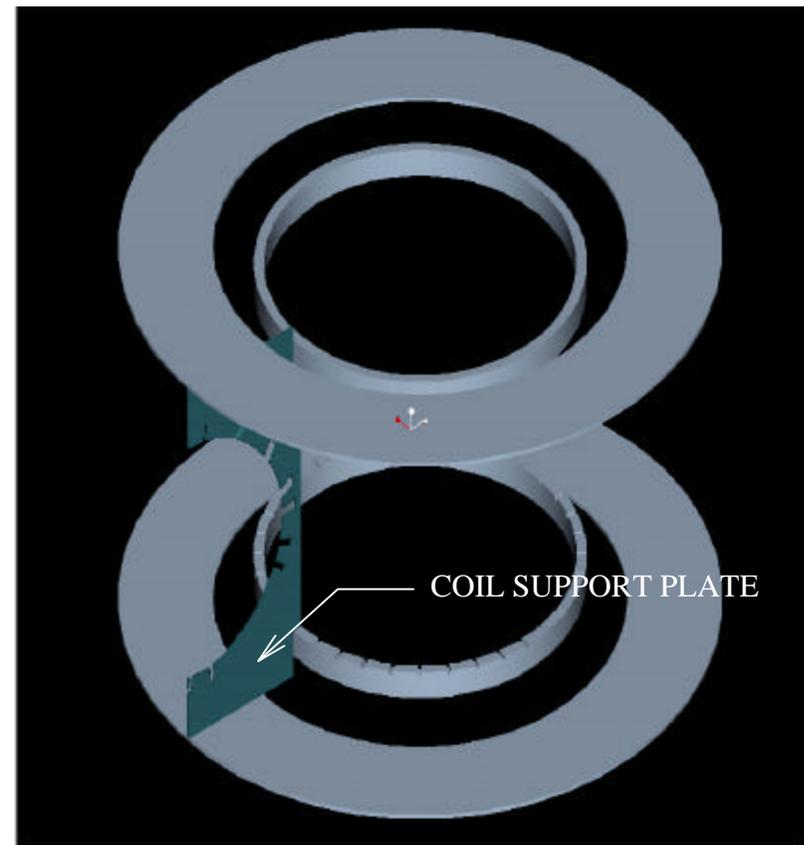
# NCSX - INTERNAL SUPPORT ASSY

- ADD THE UPPER SUPPORT BASE.
- THIS PART WILL NEED TO BE SEGMENTED.
- A 36<sup>0</sup> SEGMENT CAN FIT THROUGH THE PORT.



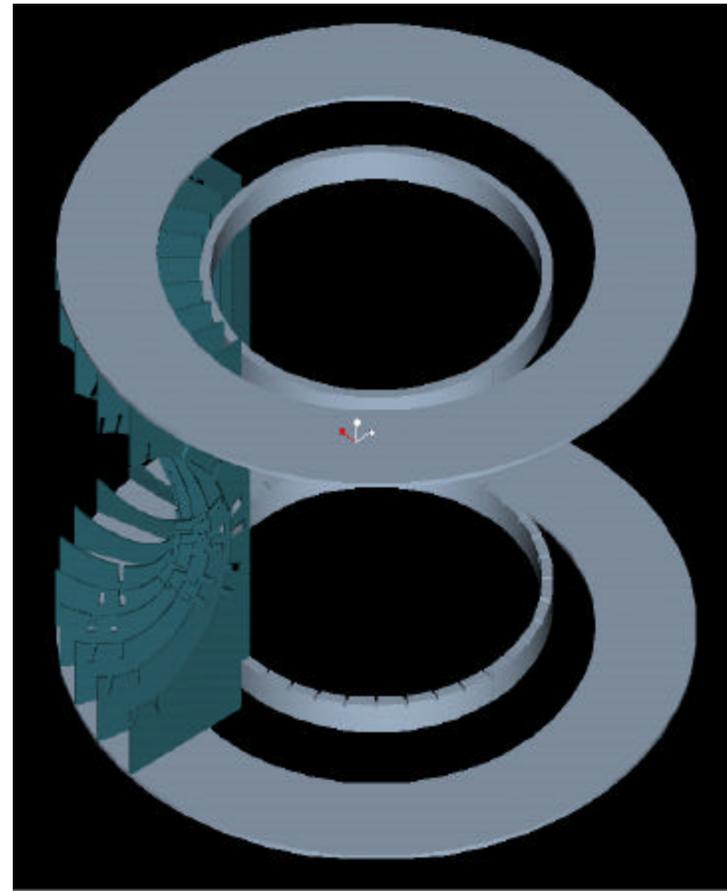
# NCSX - INTERNAL SUPPORT ASSY

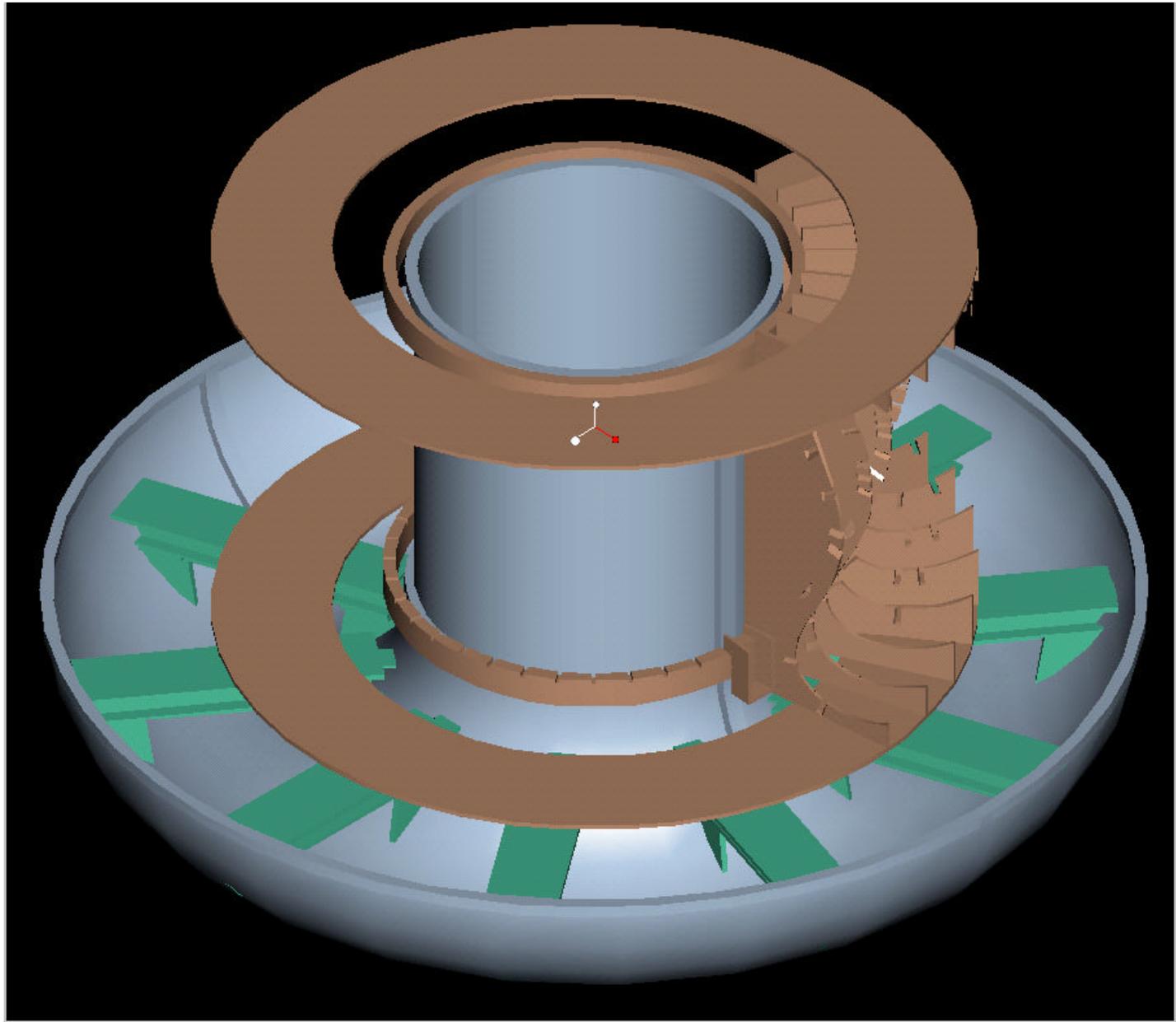
- COIL SUPPORT PLATES WILL BE ADDED STARTING ON ONE SIDE OF THE VV PORT AND CONTINUE AROUND THE VESSEL.

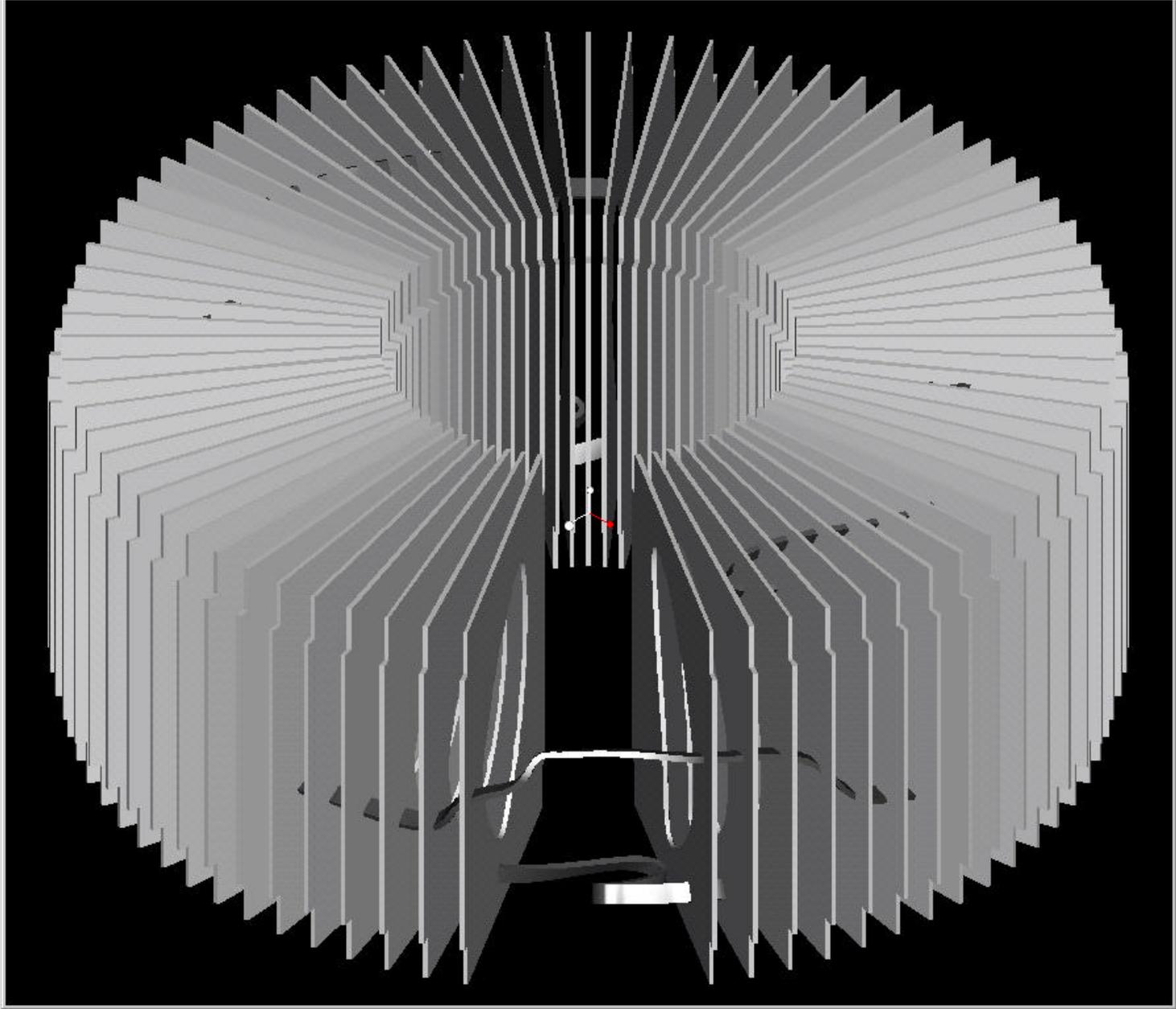


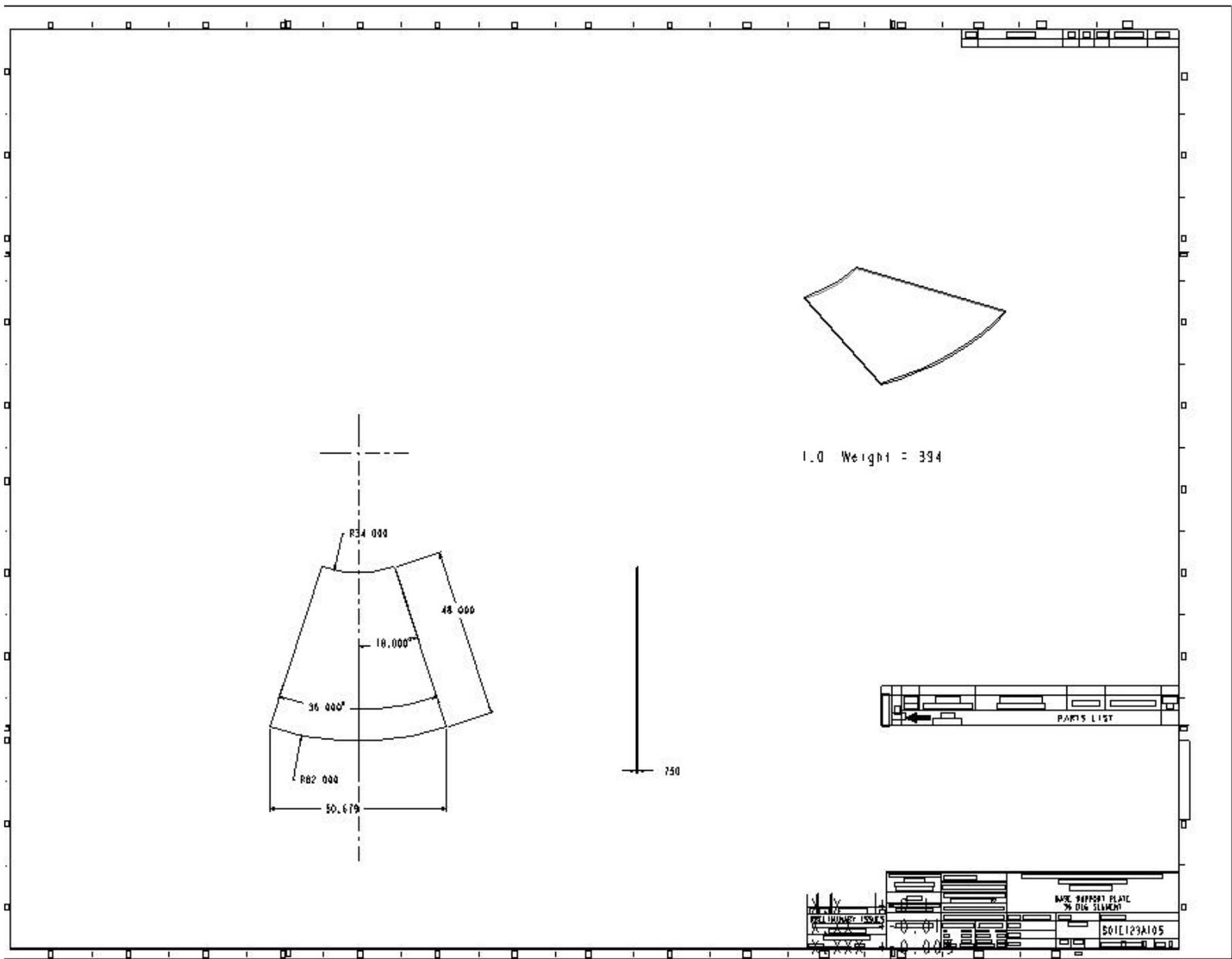
# NCSX - INTERNAL SUPPORT ASSY

- 80 COIL SUPPORT PLATES WILL BE ASSEMBLED AROUND THE VESSEL.
- BEFORE THE COIL SUPPORT PLATES ARE INSTALLED OTHER COMPONENTS SUCH AS LEADS WILL PROBABLY NEED TO BE PLACED.





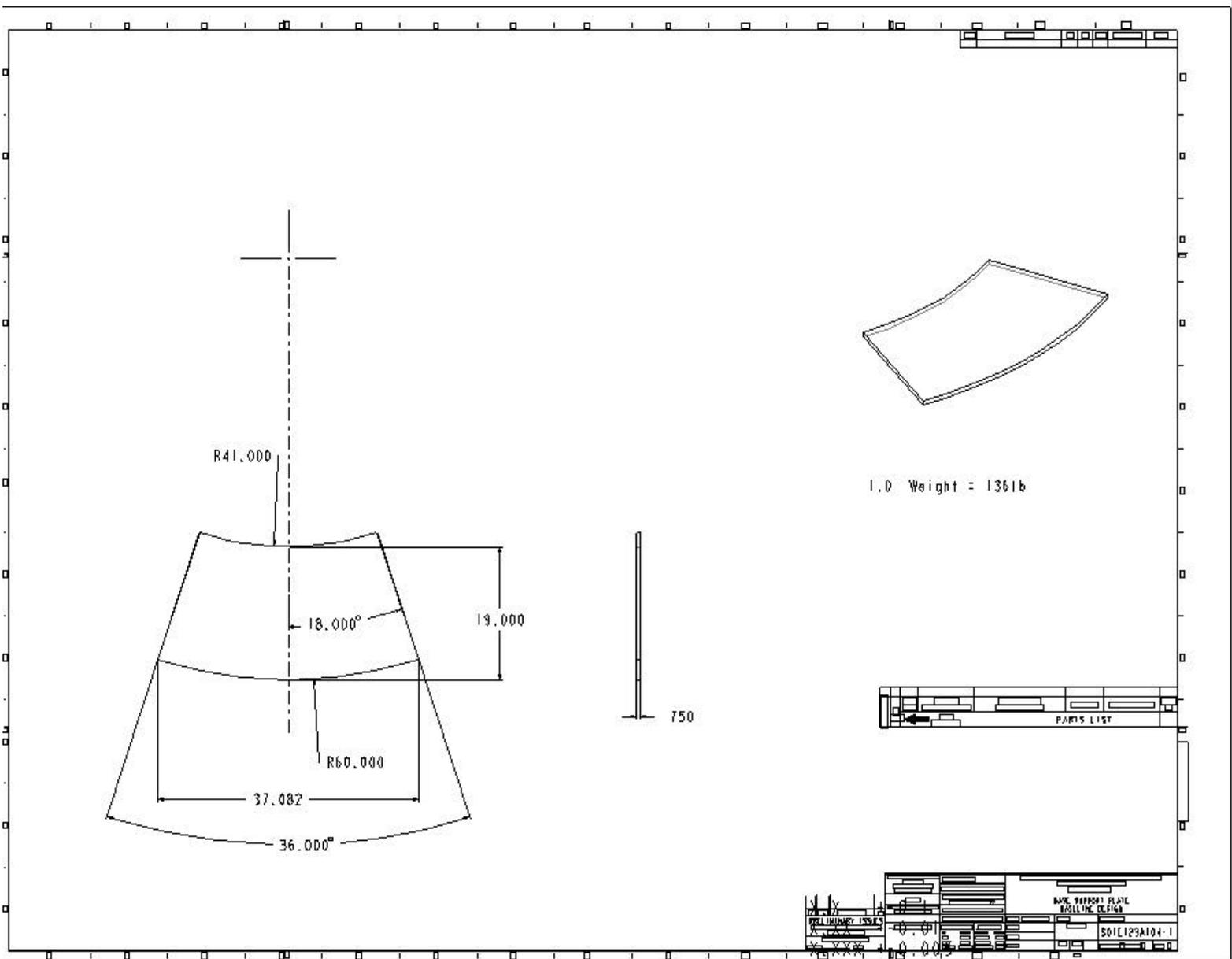




I.O Weight = 334

ANG.	+0.5
REL. DIM. UNITS	0.01
SCALE	0.00
BASE SUPPORT PLATE 7% DIA. SLANT S01E123A105	

SCALE : 0.125 TYPE : PART NAME : S01E123A105-1 SIZE : E



SCALE : 0.250 TYPE : PART NAME : S01E123A104-1 SIZE : E

ANG. +0.5





