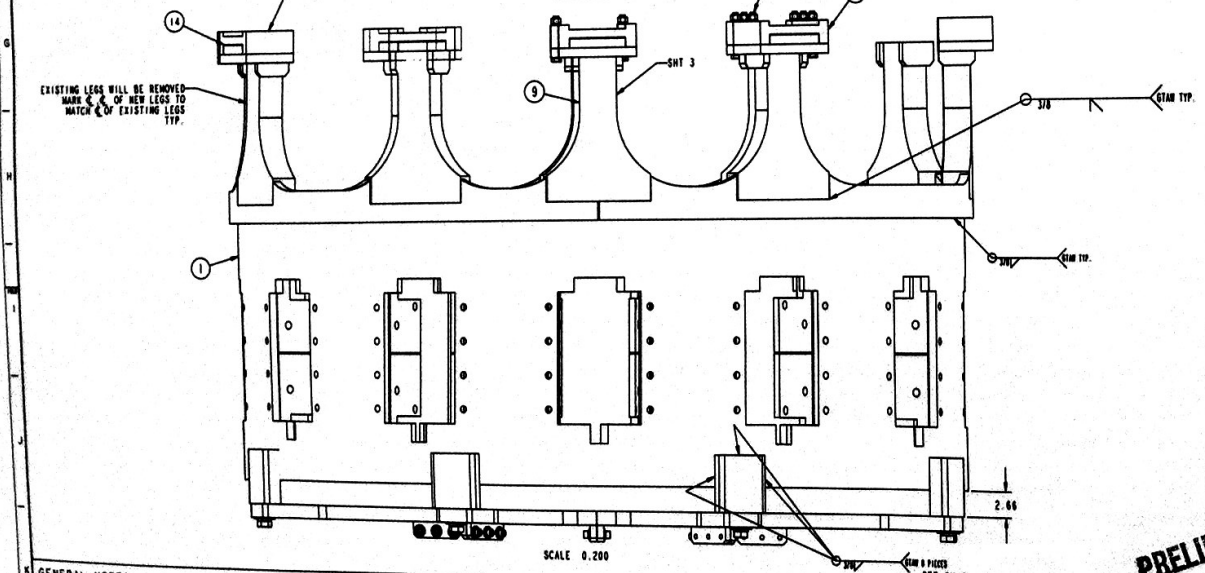
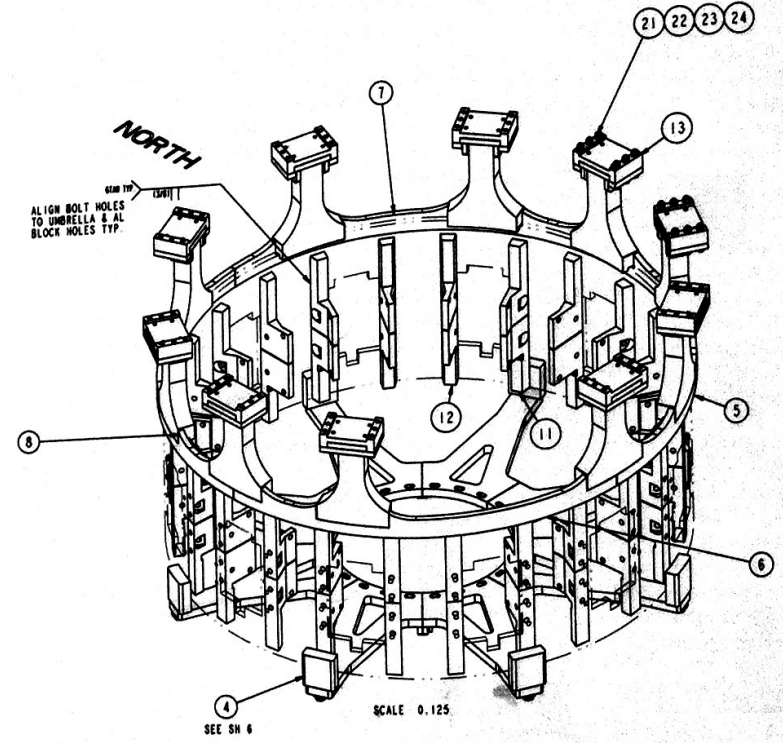
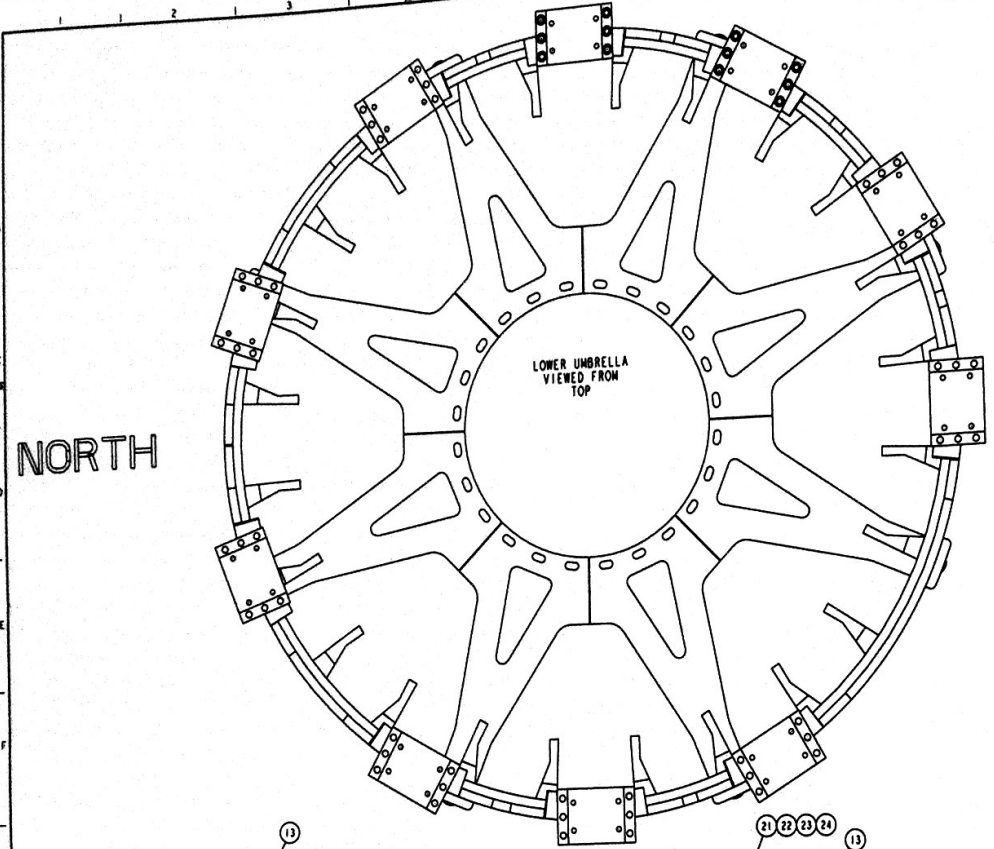


- NOTES:
1. REMOVE ALL SHARP EDGES AND BURRS.
 2. PART SHALL BE FREE OF DIRT AND OIL.
 3. WELDING SHALL BE CONFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF PPPL PROCEDURE ENG-037. VISUAL WELD INSPECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE ACCEPTANCE CRITERIA OF ASME B31.3 CATEGORY D.

09/30/11



24	CONN	5/8-11 HEX NUT	INCONEL	48
23	CONN	5/8" FLAT LOCK WASHER	INCONEL	48
22	CONN	5/8" SPLIT LOCK WASHER	INCONEL	48
21	CONN	5/8-11UNC-2A X 4 1/2 LG HEX HD BOLT	INCONEL	48
20	CONN	1-BUNC-2A X 3 1/2 LG HEX HD BOLT	304 SS	8
19	CONN	1" SPLIT LOCK WASHER	304 SS	8
18	CONN	1" FLAT WASHER	304 SS	8
17	CONN	1/2-13UNC X 1 3/4 LG HEX SOC HD CAP SCR	304 SS	24
16	CONN	1/2 SPLIT LOCK WASHER	304 SS	24
15	CONN	1/2 FLAT WASHER	304 SS	24
14	E-DC1149-3	UMBRELLA FOOT SPACER	INCONEL	24
13	E-DC1149	UMBRELLA FOOT REINFORCEMENT WELDMENT	INCONEL	10
12	E-DC1579-12	INTERNAL LOWER UMBRELLA STIFFENER	304 SS	12
11	E-DC1579-11	INTERNAL LOWER UMBRELLA STIFFENER	304 SS	12
10	.....	.....	.....	.....
9	E-DC1579-9	UMBRELLA LEG	304 SS	10
8	E-DC1579-8	SPACER RING, UMBRELLA LEG	304 SS	1
7	E-DC1579-7	SPACER RING, UMBRELLA LEG	304 SS	1
6	E-DC1579-6	SPACER RING, UMBRELLA LEG	304 SS	1
5	E-DC1579-5	SPACER RING, UMBRELLA LEG	304 SS	1
4	E-DC1579-4	LOWER LID MOUNTING BLOCK	304 SS	8
3	E-DC1579-3	INTERFACE REINFORCEMENT	INCONEL	20
2	.....	.....	.....	.....
1	E-DC1148	LOWER UMBRELLA	304 SS	1

GENERAL NOTES

1. PPPL APPROVED DRAWINGS TAKE PRECEDENCE OVER MODEL DIMENSIONS.
2. WHEN MODELS ARE PROVIDED, VENDOR MUST VERIFY THAT MODEL DIMENSIONS CONFORM WITH PPPL APPROVED DRAWINGS PRIOR TO FABRICATION.

PRELIMINARY

3. ALL DIMENSIONS AND FINISHES SHALL CONFORM WITH PPPL APPROVED DRAWINGS TYP.

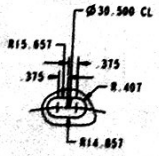
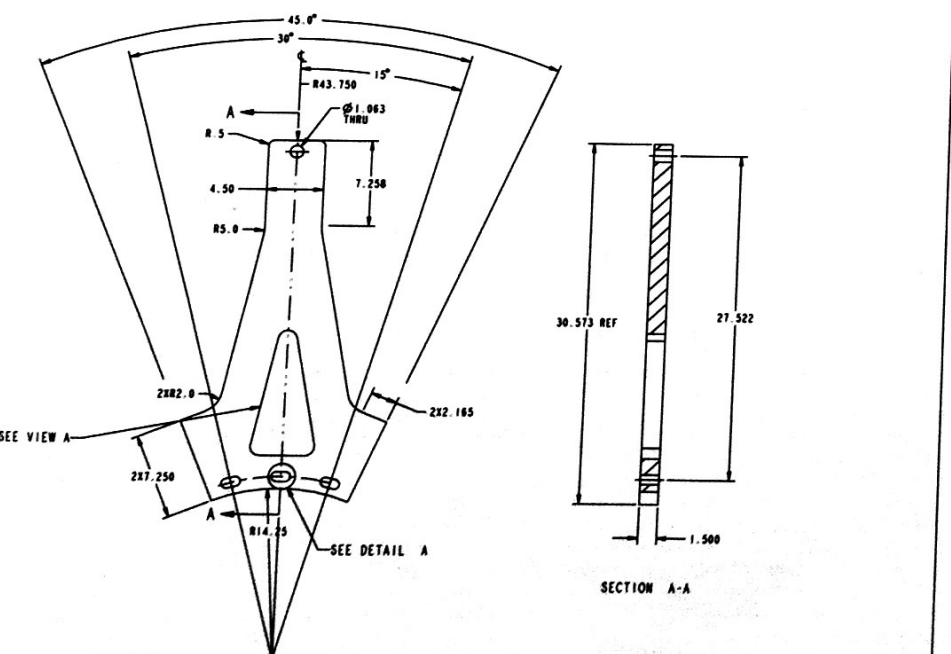
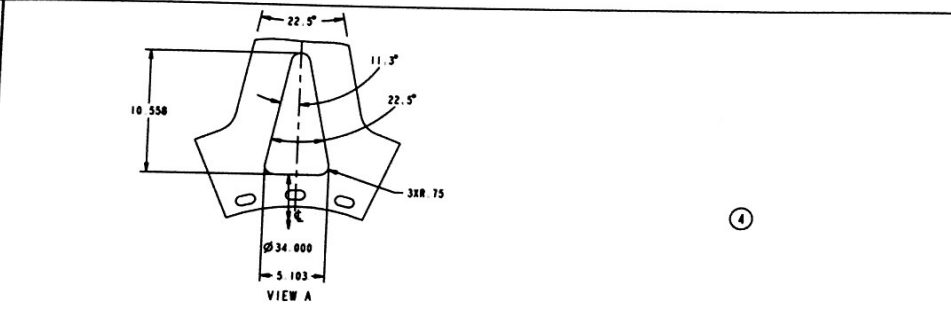
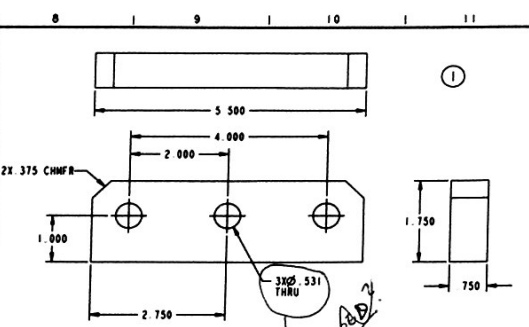
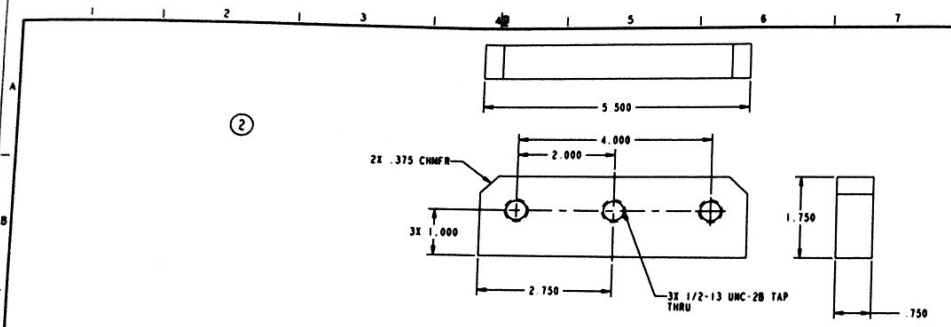
RELEASE LEVEL: DIVISION: APPROVAL DATE:	SCALE: NEXT ASS'Y: DATE:	CENTRAL FILES: PRINCETON PLASMA PHYSICS LABORATORY NATIONAL SUPERACCELERATOR FACILITY CENTERSTACK UPGRADE LOWER UMBRELLA WELDMENT ASSEMBLY UMBRELLA REINFORCEMENTS	DIV: MECH. ENGR. DATE: ENG: M SMITH DRN: G PALMERI CHG: B SMITH
---	--------------------------------	---	--

SHEET 1 OF 6

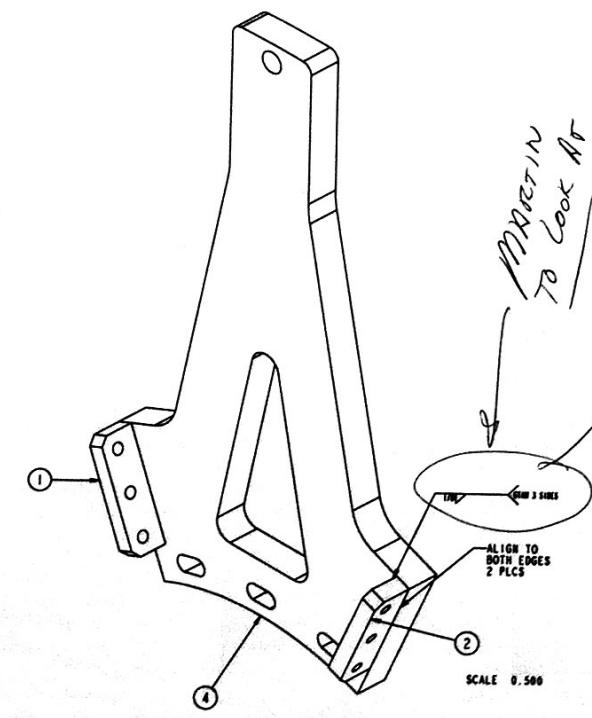
NO.	REVISION	BY	CHK	SUP	APPROVED	DATE

- NOTES:
1. REMOVE ALL SHARP EDGES AND BURRS.
 2. PART SHALL BE FREE OF DIRT AND OIL.
 3. WELDING SHALL BE CONFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF PPPL PROCEDURE ENG-037. VISUAL WELD INSPECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE ACCEPTANCE CRITERIA OF ASME B31.3 CATEGORY D.

05/31/11



DETAIL A
SCALE 0.500
THRU 3 PLACES



PRELIMINARY

4	E-DC1572-4	LOWER UMBRELLA LID SECTION	304 STN STL	B
3	E-DC1572-2	LOWER LID JOINER PLATE 2	304 STN STL	F
2	E-DC1572-1	LOWER LID JOINER PLATE 1	304 STN STL	F
1	E-DC1572-1	LOWER LID JOINER PLATE 1	304 STN STL	F
VIEW NO.	DRAWING NO.	NOMENCLATURE OR DESCRIPTION	MATERIAL	OFF. REQD.

COMPUTER GENERATED UNLESS OTHERWISE SPECIFIED PRO E SCALE: 0.500 ASSEMBLY:	PRINCETON PLASMA PHYSICS LABORATORY NATIONAL EXPERIMENTAL TORSION EQUIPMENT CENTERSTACK UPGRADE VESSEL ASSEMBLY LOWER LID SECTION WELD ASSEMBLY DIV: MECH. ENGR. DATE: 05/31/11 DESIGNED BY: G. PALAZZI CHECKED BY: G. PALAZZI DATE: 05/31/11	SHEET NO. 1 OF 1
--	---	---------------------

GENERAL NOTES
 PPPL APPROVED DRAWINGS TAKE PRECEDENCE OVER MODEL DIMENSIONS.
 WHEN MODELS ARE PROVIDED, VENDOR MUST VERIFY THAT MODEL DIMENSIONS CONFORM WITH PPPL APPROVED DRAWINGS PRIOR TO FABRICATION.

1. PPPL
 2. WHEN MODELS ARE PROVIDED...

NO	REVISION	BY	CHK	SUP	APPROVED	DATE
2	CHANGED PER ECR	DLP	MS	LM		

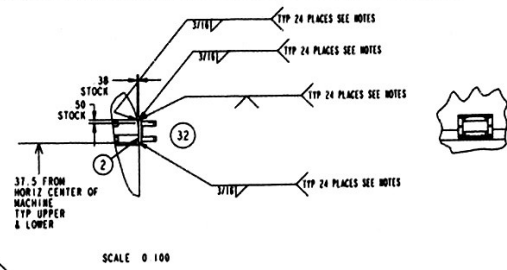
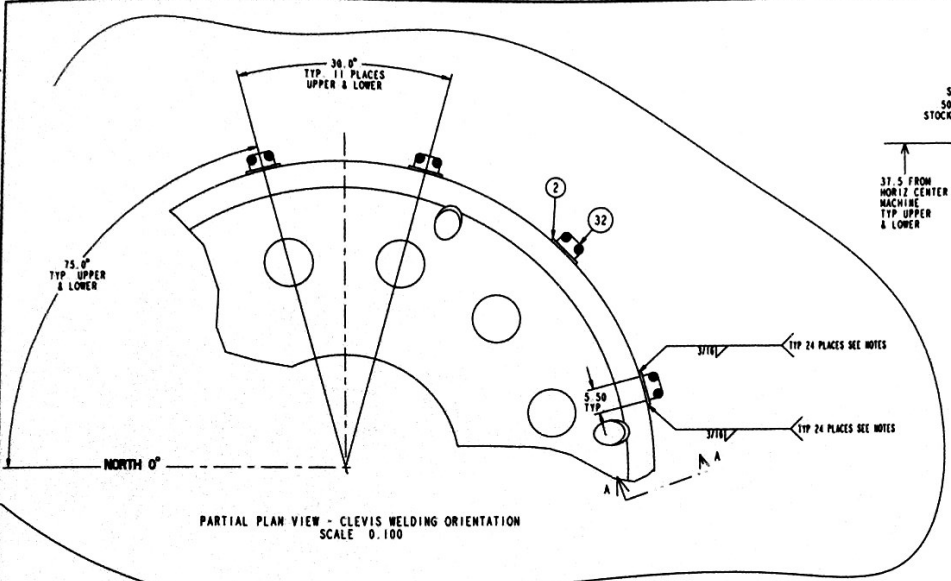
- NOTES:
1. WELDING SHALL BE PERFORMED IN ACCORDANCE WITH PPPL PROCEDURE EM-002
 2. VISUAL WELD INSPECTION SHALL BE PERFORMED IN ACCORDANCE WITH ACCEPTANCE CRITERIA OF ASME B31.3 CATEGORY "D"
 3. REFERENCE PERMEABILITY (USING SEVERN GAUGE):
 BASE MATERIAL 1.95
 FABRICATED PART 1.2
 WELD 2.0
 4. BOTTOM PLATE OF VERTICAL SUPPORT LEG WELDMENT PART TO BE WELDED TO BASE PLATE (1.50 THICK); PART AFTER VACUUM VESSEL ASSEMBLY IS LOCATED IN ITS FINAL POSITION
 5. BASE PLATES, PARTS AND TO BE USED AS REQUIRED TO OBTAIN 156" HORIZONTAL CENTERLINE HEIGHT OF VACUUM VESSEL ABOVE TEST CELL FLOOR

08/10/2011

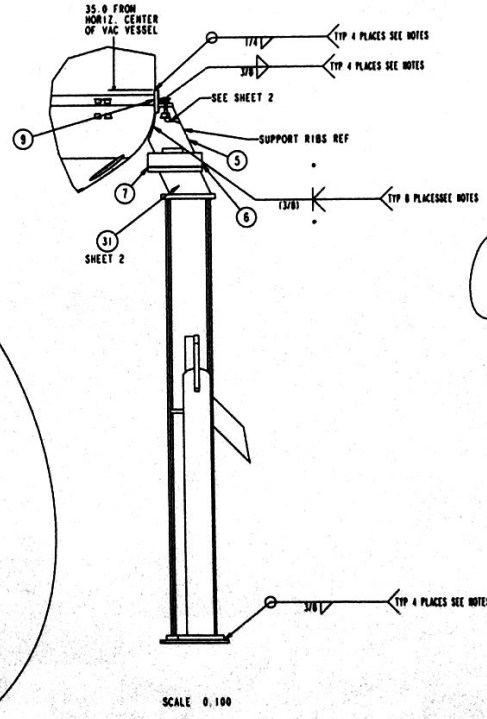
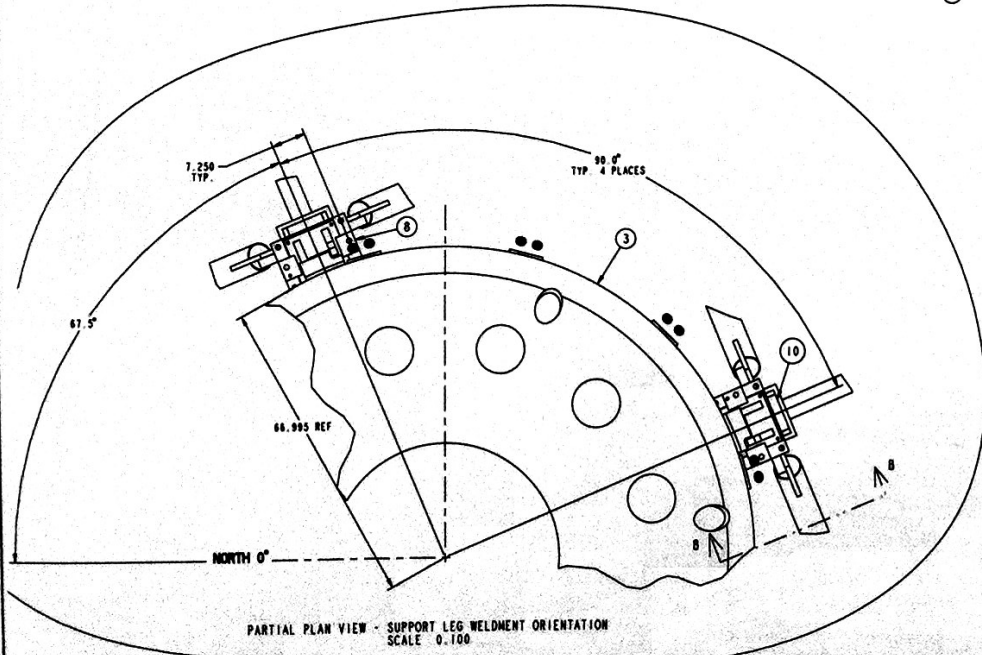
(REFERENCE PDF DRAWING E-DB1041 REV 0)
 (REFERENCE PDF DRAWING E-DB1037 REV 1)

34	E-DB1037-34	REINFORCEMENT	316 SS	4
33	E-DB1037-33	REINFORCEMENT	316 SS	4
32	E-DB1037-32	TF CLEVIS ROD MOUNT	316 SS	24
31	E-DB1037-31	VERTICAL SUPPORT SIDE PLATES	316 SS	8
30	CONN	3/4-10UNC-2A x 4" H.H.C.S.	316 SS	16
29	CONN	3/4-10UNC-2B x 4" LG MILITARY CONCRETE ANCHOR	316 SS	24
28	CONN	3/4-10UNC-2B HEX NUT	316 SS	24
27	CONN	3/4 SPLIT LOCK WASHER	316 SS	40
26	CONN	3/4 FLAT WASHER	316 SS	64
25	CONN	3/4-10UNC-2A x 7" LG H.H.C.S.	316 SS	8
24	CONN	3/4-10UNC-2A x 6" LG H.H.C.S.	316 SS	16
23	CONN	1/2 SPLIT LOCK WASHER	316 SS	24
22	CONN	1/2 FLAT WASHER	316 SS	24
21	CONN	1/2-13UNC-2A x 2" LG H.H.C.S.	316 SS	24
20	CONN	3/8 SPLIT LOCK WASHER	316 SS	144
19	CONN	3/8 FLAT WASHER	316 SS	144
18	CONN	13/8-10UNC-2A x 1" LG H.H.C.S.	316 SS	144
17	THIS DWG	SPICER BLOCK (3/8 x 1/2 x 5.0 LG)	304 SS	24
16	E-DB1042-11	BASE PLATE (1.12 THICK)	SEE DWG	A/R
15	E-DB1042-10	BASE PLATE (1.50 THICK)	SEE DWG	4
14	E-DB1042-9	BASE PLATE (1.50 THICK)	SEE DWG	4
13	E-DB1042-8	INSULATOR WASHER	SEE DWG	40
12	E-DB1042-7	INSULATOR BUSHING - 5.25 LONG	SEE DWG	8
11	E-DB1042-6	INSULATOR BUSHING - 4.25 LONG	SEE DWG	16
10	E-DB1042-5	SLIDER RING	SEE DWG	4
9	E-DB1042-4	VACUUM VESSEL MOUNTING PLATE	SEE DWG	4
8	E-DB1042-3	LOCKING BAR	SEE DWG	8
7	E-DB1042-2	DIELECTRIC BREAK	SEE DWG	4
6	E-DB1042-1	SUPPORT CHANNEL	SEE DWG	4
5	E-DB1041-2	ANGLED SUPPORT LEG WELDMENT	SEE DWG	4
4	E-DB1041-1	VERTICAL SUPPORT LEG WELDMENT	SEE DWG	4
3	E-DB1036	VACUUM VESSEL FINAL MACHINING	SEE DWG	1
2	C-DB1024	CLEVIS MOUNTING PLATE	SEE DWG	24
1	E-DB1023	CLEVIS WELDMENT	PRECEDENCE	24
1	THIS DRAWING	WELDMENT ASSEMBLY	PRECEDENCE	24

PRELIMINARY



SCALE 0.100

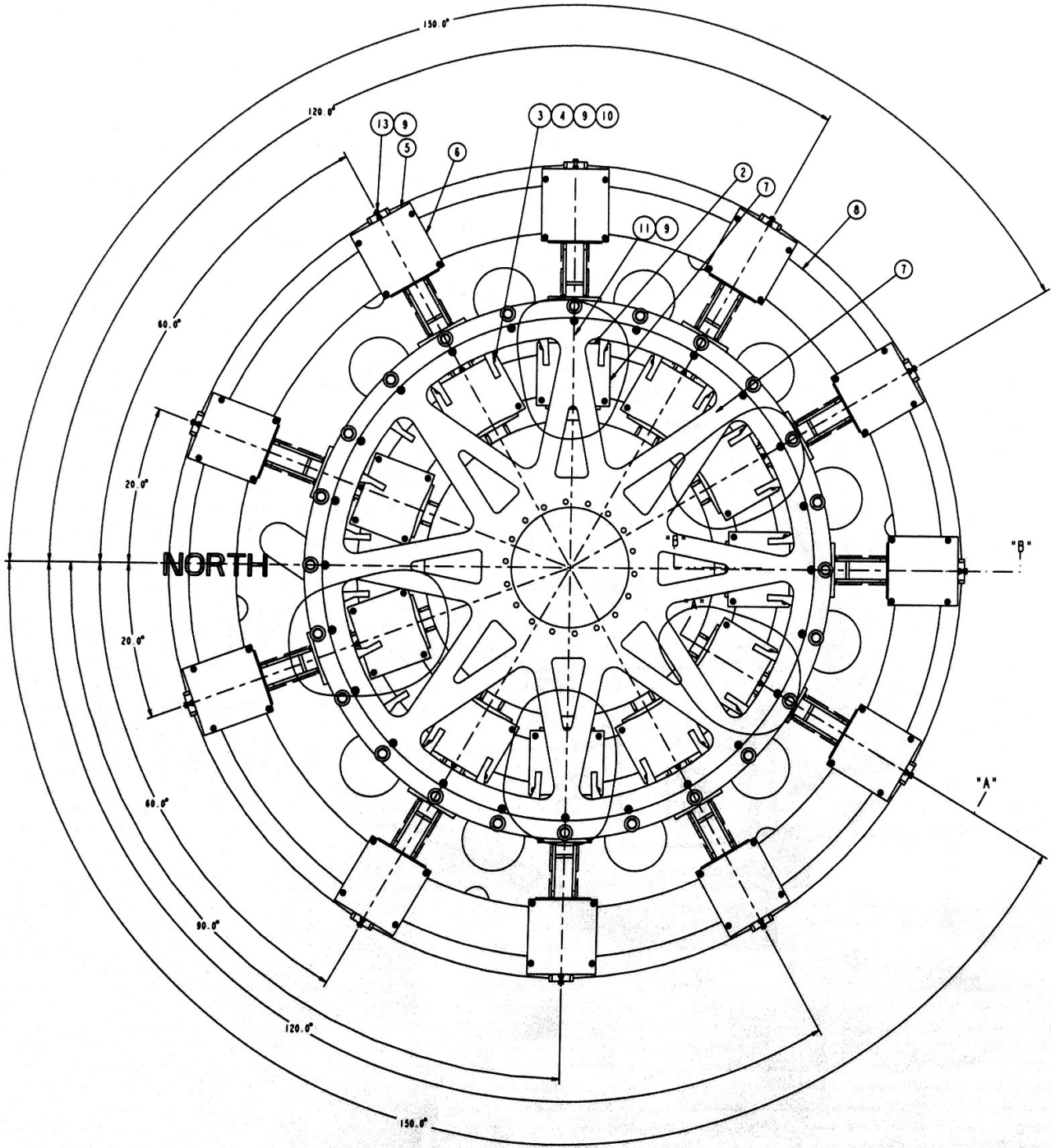


SCALE 0.100

- GENERAL NOTES**
1. PPPL APPROVED DRAWINGS TAKE PRECEDENCE OVER MODEL DIMENSIONS.
 2. WHEN MODELS ARE PROVIDED, VENDOR MUST VERIFY THAT MODEL DIMENSIONS CONFORM WITH PPPL APPROVED DRAWINGS PRIOR TO FABRICATION

DESIGNED BY:	WILLIAM LEVELL	DATE:	APPROVED BY:	EDWARD VANDERKAM
CHECKED BY:	EDWARD VANDERKAM	DATE:	DATE:	

PRINCETON PLASMA PHYSICS LABORATORY
 PRINCETON UNIVERSITY
 NATIONAL INSTRUMENTAL TOOLING EQUIPMENT
 NSTI UPGRADE
 VESSEL LEG ASSEMBLY
 E-DB1037
 SHEET 1 OF 2



- NOTES:
1. POSITION COILS IF REQUIRED BY PLACING SHIMS BETWEEN COIL FACE AND BOTTOM SLIDING PLATES. 1/8" SHIM ALLOWANCE PROVIDED FOR PF COIL #2 AT CLAMPING AREAS.
 2. UPPER AND LOWER COIL ASSEMBLIES TO BE CONCENTRIC TO VERTICAL CL OF VESSEL PER SPECIFICATIONS.
 3. MATERIAL SHALL BE ASTM A193 B8M CLASS 2.

05/31/2011

NORTH

GENERAL NOTES

1. PPPL APPROVED DRAWINGS TAKE PRECEDENCE OVER MODEL DIMENSIONS.
2. WHEN MODELS ARE PROVIDED, VENDOR MUST VERIFY THAT MODEL DIMENSIONS CONFORM WITH PPPL APPROVED DRAWINGS PRIOR TO FABRICATION.

(01) UPPER PF COILS SHOWN
LOWER COILS OPPOSITE (MIRROR)

(REF DRAWING EDB1032 REV 0)

QTY	ITEM NO.	DRAWING NO.	DESCRIPTION	MATERIAL
5	5	10	E-DC1166-6 SPACER PF2	
80	80	17	COMM 1/2 LOCKWASHER	NOTE 3
80	80	16	COMM 1/2-13 X 1 1/2 LG SOC HD CAP SCREW	NOTE 3
11	11	15	EDB1029-3 PF 3 COIL SUPPORT PLATE	316 STN STL
11	11	14	EDB1029-4 PF 2 COIL SUPPORT PLATE	316 STN STL
11	11	13	COMM 1/2-13 X 3 1/2 LG HEX HD BOLT	NOTE 3
17	17	12	COMM 6 X 6 3/8 THICK	316 STN STL
6	6	11	COMM 1/2-13 X 2 LG HEX HD BOLT	NOTE 3
104	104	10	COMM 1/2 LOCKWASHER	NOTE 3
1	1	8	XXXXXXXXXX 1/2-13 HEX NUT	NOTE 3
1	1	7	XXXXXXXXXX PF2 COIL ASSEMBLY	SEE DT
11	11	6	EDC1167-2 PF3 BOTTOM SLIDING PLATE	SEE DT
11	11	5	EDC1167-01 PF3 RADIAL CLAMP ASSEMBLY	SEE DT
60	60	4	EDC1166-5 TIE ROD SPACER	SEE DT
60	60	3	EDC1166-4 CLAMP TIE ROD	NOTE 3
6	6	2	EDC1166-01 PF2 RADIAL CLAMP ASSEMBLY	SEE DT
6	6	1	EDC1166-1 PF2 TOP CLAMP PLATE	SEE DT
X	---	---	THIS DWG LOWER PF2 & PF3 COIL ASSEMBLY	---
---	X	---	THIS DWG UPPER PF2 & PF3 COIL ASSEMBLY	---
03	02	01	ITEM NO. DRAWING NO. NOMENCLATURE OR DESCRIPTION	MATERIAL

SCALE 0.150

PRELIMINARY

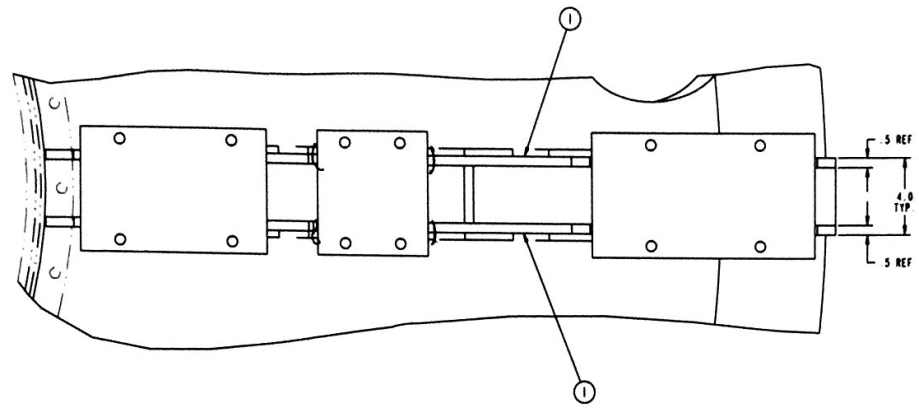
PRINCETON PLASMA PHYSICS LABORATORY
NATIONAL SUPPLEMENTAL TOPICS EXPERIMENT

VACUUM VESSEL
PF COILS 2 & 3
INSTALLATION/CLAMPING ASSEMBLY

DATE: 05/31/2011
DRAWN BY: J. BISHOP
CHECKED BY: J. BISHOP
APPROVED BY: J. BISHOP

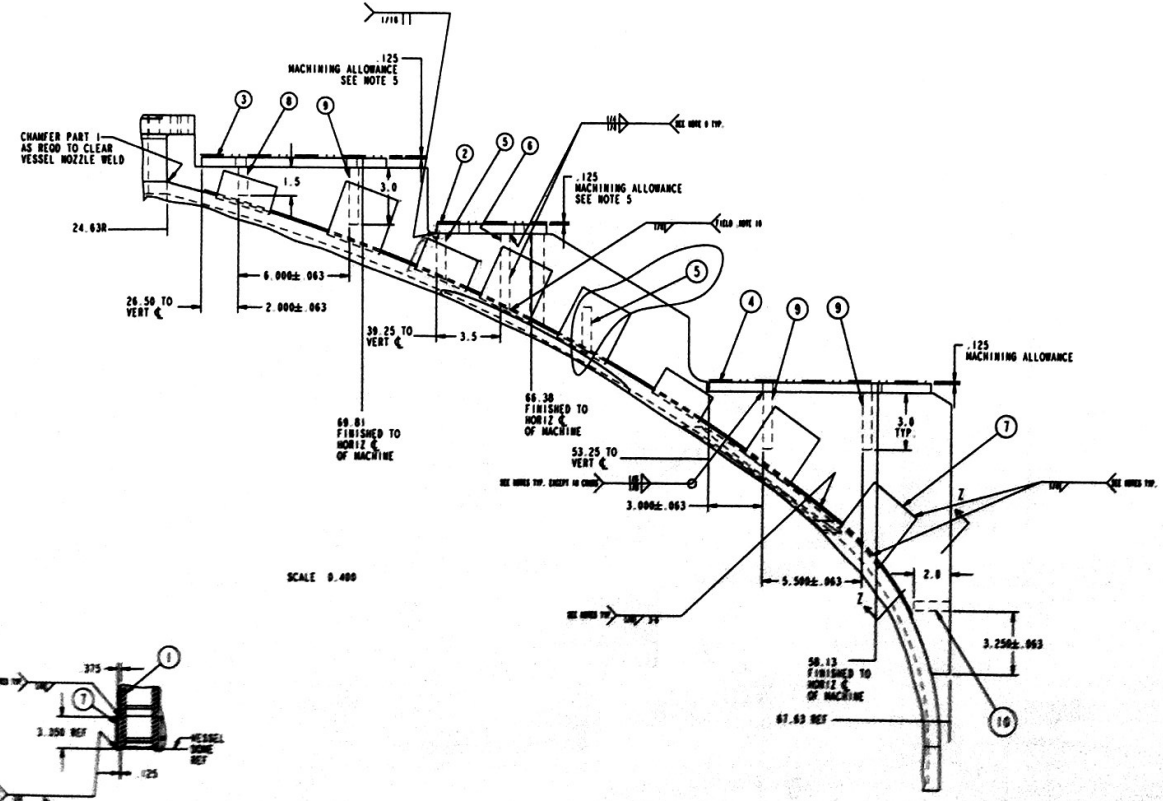
FIGURE NO. 1032
SHEET 1 OF 1

NO.	REVISION	BY	CH	SUP	APPROVED	DATE
1	REVISED PER CR 0 27	JDR	JHC	JS	P. H. FERRELL	7/8/98
2	REVISED PER CR 0 32	JDR	JHC	JS	P. H. FERRELL	8/4/98
3	REVISED PER CR-046	JDR	JHC	JS	Z. CHREIMANN	12/18/99
4	REDRAWN PER ECH	SLP				

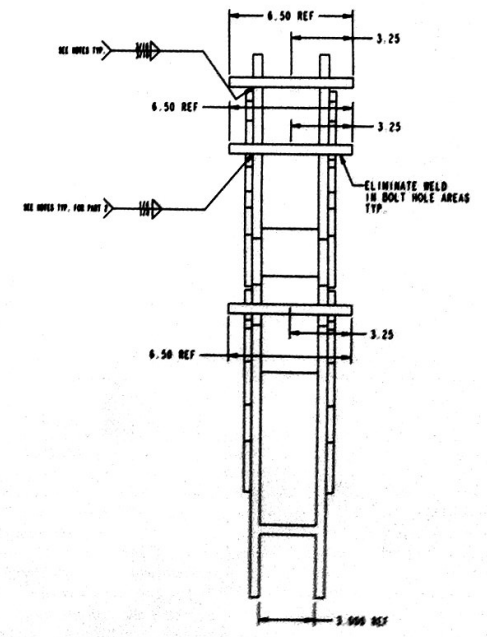
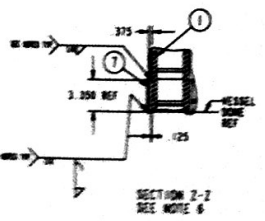


- NOTES:
- WELDERS MUST BE CERTIFIED TO SECTION IX OF ASME CODE.
 - WELDING SHALL BE PERFORMED IN ACCORDANCE WITH PPPL PROCEDURE EN-002.
 - REFERENCE PERMEABILITY:
 BASE MATERIAL 1.05 w
 FABRICATED PART 1.2 w
 WELD 3.0 w
 - VISUAL WELD INSPECTION SHALL BE PERFORMED IN ACCORDANCE WITH ACCEPTANCE CRITERIA OF ASME B31.3 CATEGORY "D".
 - FLATNESS BETWEEN PLATES TO BE WITHIN 1/32".
 - TABS (PART 7) TO BE INSTALLED WHERE GAPS EXIST BETWEEN VESSEL AND RIBS (PART 1), AS REQUIRED.
 - ALL WELDS TO BE 1/8 FILLET EXCEPT AS NOTED.
 - CONTINUOUS FILLET WELDS SHALL BE INTERRUPTED AT ALL OPPOSITE SIDES OF A COMMON PLANE OF CONTACT.
 - TYPICAL EXCEPT FOR OUTSIDE CORNER.
 - FIELD TO DETERMINE ACCESSIBILITY AND WELD WHERE POSSIBLE.

05/31/11



SCALE 0.400



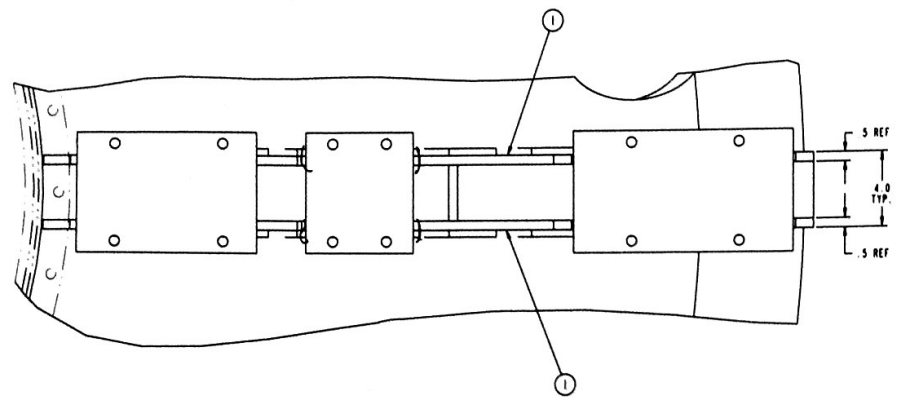
GENERAL NOTE:
 PPPL APPROVED DIMENSIONS TAKE PRECEDENCE OVER MODEL DIMENSIONS.

PRELIMINARY

FOR DIM SEE DRAWING FOR1030

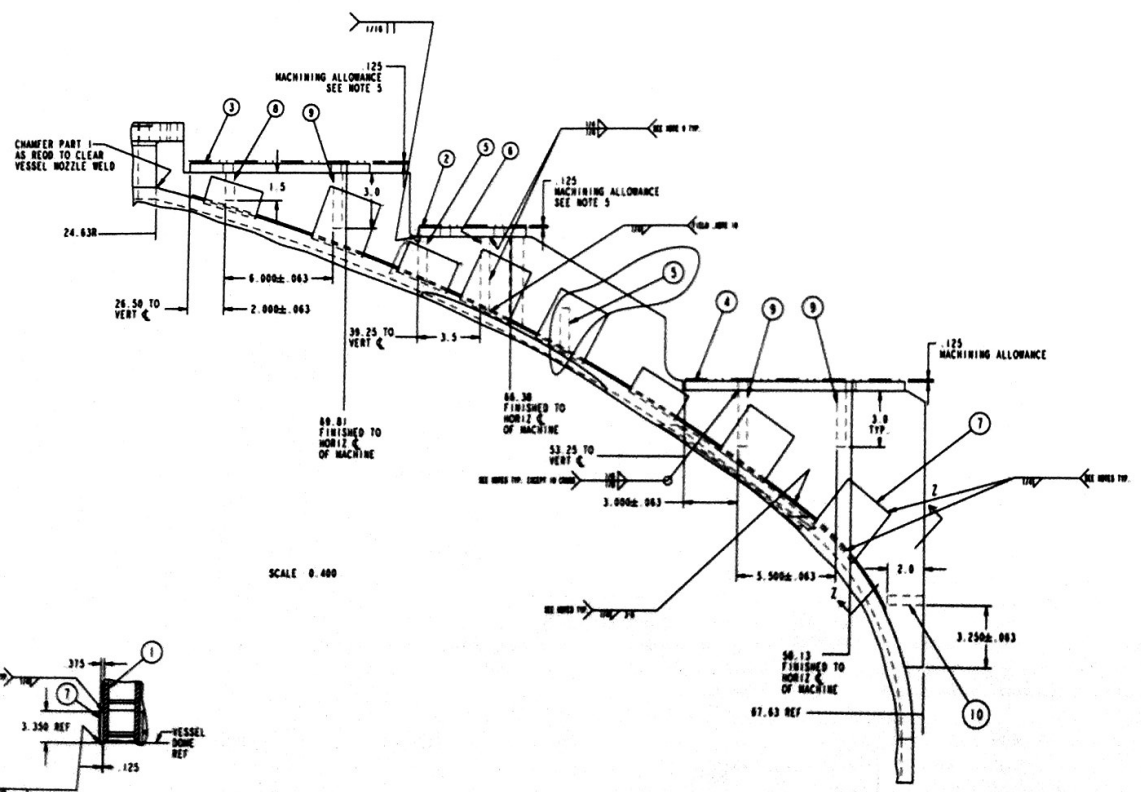
NO.	REVISION	BY	CH	SUP	APPROVED	DATE
1	REVISED PER CR 0 27	JDR	JHC	JS	P. H. FERRELL	7/8/98
2	REVISED PER CR 0 32	JDR	JHC	JS	P. H. FERRELL	8/4/98
3	REVISED PER CR-046	JDR	JHC	JS	Z. CHREIMANN	12/18/99
4	REDRAWN PER ECH	SLP				

1	REVISED PER CR 8-27	JDR	JHC	JS	P WETFOUR	12/18/90
2	REVISED PER CR 8-32	JDR	JHC	JS	P WETFOUR	8/4/90
3	REVISED PER CR-046	JDR	JHC	JS	P WETFOUR	12/18/90
4	REDRAWN PER ECH	BLP				

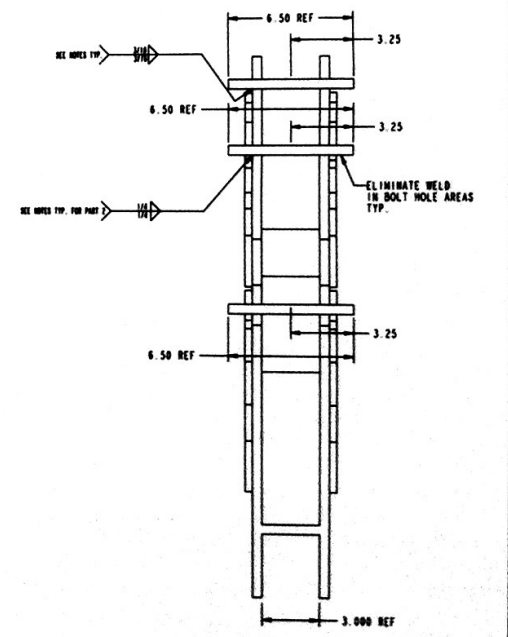
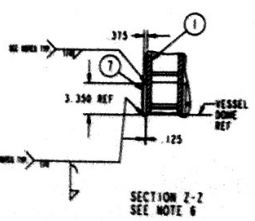


- NOTES:
1. WELDERS MUST BE CERTIFIED TO SECTION IX OF ASME CODE.
 2. WELDING SHALL BE PERFORMED IN ACCORDANCE WITH PPPL PROCEDURE EM-002.
 3. REFERENCE PERMEABILITY:
 BASE MATERIAL 1.05 u
 FABRICATED PART 1.2 u
 WELD 3.0 u
 4. VISUAL WELD INSPECTION SHALL BE PERFORMED IN ACCORDANCE WITH ACCEPTANCE CRITERIA OF ASME B31.3 CATEGORY "D".
 5. FLATNESS BETWEEN PLATES TO BE WITHIN 1/32"
 6. TABS (PART 7) TO BE INSTALLED WHERE GAPS EXIST BETWEEN VESSEL AND RIBS (PART 1). AS REQUIRED.
 7. ALL WELDS TO BE 1/8 FILLET EXCEPT AS NOTED.
 8. CONTINUOUS FILLET WELDS SHALL BE INTERRUPTED AT ALL OPPOSITE SIDES OF A COMMON PLANE OF CONTACT.
 9. TYPICAL EXCEPT FOR OUTSIDE CORNER.
 10. FIELD TO DETERMINE ACCESSIBILITY AND WELD WHERE POSSIBLE.

05/31/11



SCALE 0.400



GENERAL NOTES

1. PPPL APPROVED DRAWINGS TAKE PRECEDENCE OVER MODEL DIMENSIONS.
2. WHEN MODELS ARE PROVIDED, VENDOR MUST VERIFY THAT MODEL DIMENSIONS CONFORM WITH PPPL APPROVED DRAWINGS PRIOR TO FABRICATION.

FOR R/W SEE DRAWING FDR1030

PRELIMINARY

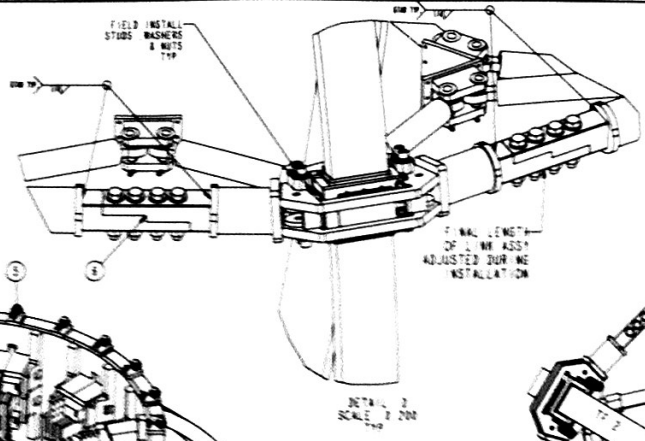
HOLDING LEVEL: END WORKING NO.		DATE: 11/11/11		SCALE: AS SHOWN		GENERAL FILED: NATIONAL ARCHIVES		PRINCETON PLASMA PHYSICS LABORATORY CENTERSTACK UPGRADE VACUUM VESSEL PPZ & J SUPPORT STRUCTURE DETAIL	
DESIGNED BY: JDR		CHECKED BY: JHC		DATE: 11/11/11		SCALE: AS SHOWN		APPROVED BY: JDR	

PRELIMINARY

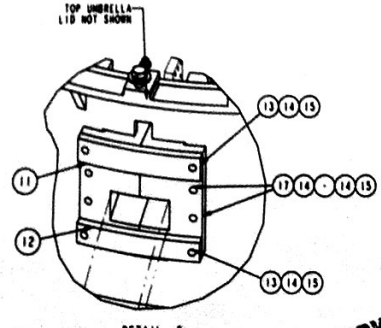
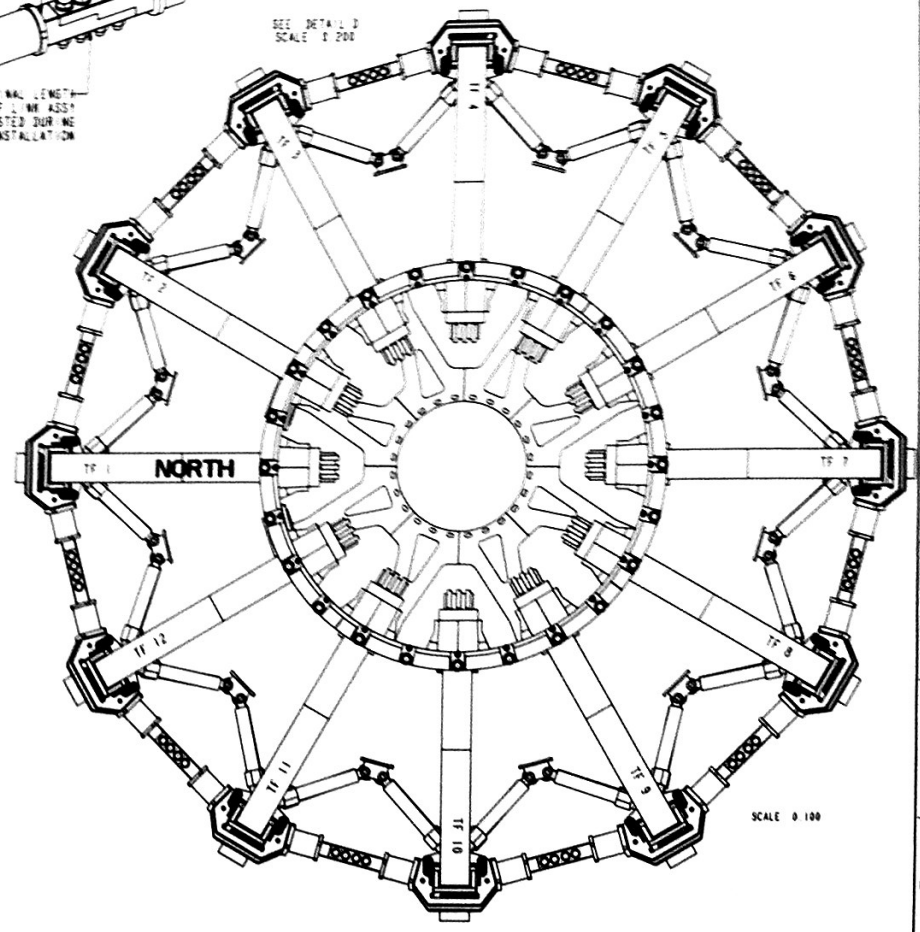
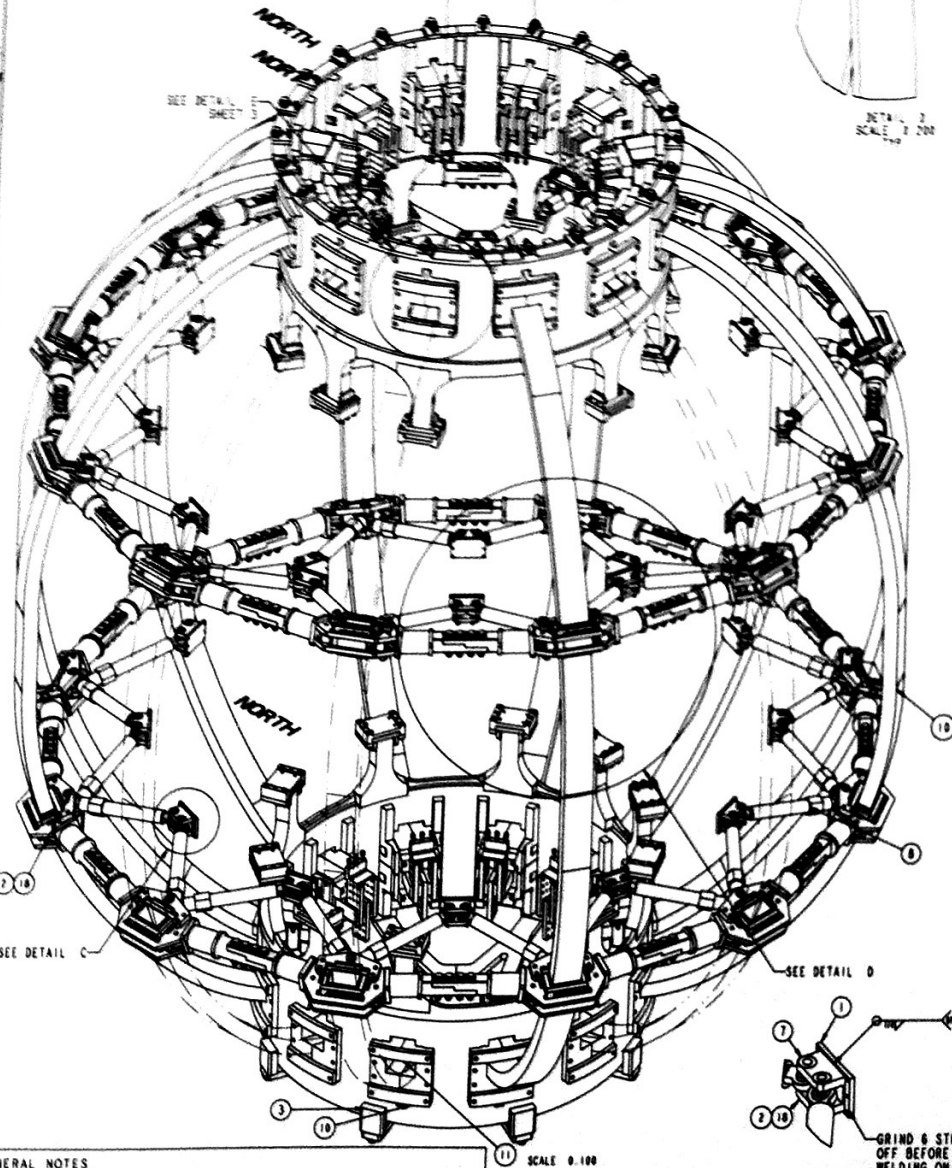
08/23/11

NOTES

- REMOVE ALL SHARP EDGES AND BURRS
- PART SHALL BE FREE OF DIRT AND OIL
- WELDING SHALL BE CONFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF PPPL PROCEDURE ENG-437
- FINAL WELD INSPECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE ACCEPTANCE CRITERIA OF SAME RDT-3 CATEGORY 2



SEE DETAIL D SCALE: 2:200



GRIND 6 STUDS OFF BEFORE WELDING ON NEW CLEVIS TYP.

DETAIL C SCALE 0:200 TYP.

GENERAL NOTES

- PPPL APPROVED DRAWINGS TAKE PRECEDENCE OVER MODEL DIMENSIONS.
- WHEN MODELS ARE PROVIDED, VENDOR MUST VERIFY THAT MODEL DIMENSIONS CONFORM WITH PPPL APPROVED DRAWINGS PRIOR TO FABRICATION.

18	CONN	COTTER PIN, @1/8 X 1.25 LG	SS	36
17	CONN	3/4-10UNC-2A X 4 LG H.H.N.C.S	316 SS	90
16	CONN	3/4-10 UNC-2B HEX NUT	316 SS	90
15	CONN	3/4 SPLIT LOCK WASHER	316 SS	360
14	CONN	3/4 NOMINAL FLAT WASHER	316 SS	480
13	CONN	3/4-10UNC-2A X 5 LG H.H.N.C.S	316 SS	90
12	E-DC1578-2	TF REINFORCEMENT STRAPS	304 SS	48
11	E-DC1578	TF REINFORCEMENT STRAPS	304 SS	48
10	E-DC1577	TF COIL (SIMILE) ASSY	304 SS	12
9				
8	E-DC1573	TF ROD ASSEMBLY	INCOEL T18	44
7	E-DC1578	TF ROD MOUNT WELDMENT	IN 625	24
6	E-DC1586	TF COIL LINK ASSEMBLY	304 SS	24
5	E-DC1455	UPPER UMBRELLA ASSEMBLY	304 SS	1
4	E-DC157	TF MOUNTING BLOCK	304 SS	24
3	E-DC1148	LOWER UMBRELLA ASSEMBLY	304 SS	1
2	E-DC1158-02	CLEVIS PIV LG ASSY	INCOEL T18	36
1	C-DB1824	CLEVIS MOUNTING PLATE WELDMENT	INCOEL 625	24
ITEM NO.	DRAWING NO.	NUMERICAL OR DESCRIPTION	MATERIAL	QTY REQD

PRELIMINARY

COMPUTE RECEIVED BY: PRINCETON PLASMA PHYSICS LABORATORY
 NATIONAL EXPERIMENTAL TUNING EQUIPMENT CENTER/STAKE UPGRADE TF MOUNTING OUTER LEG FINAL ASSEMBLY
 E-DC1577

DATE: 08/23/11

DESIGNER: [Name] CHECKER: [Name] DATE: [Date]

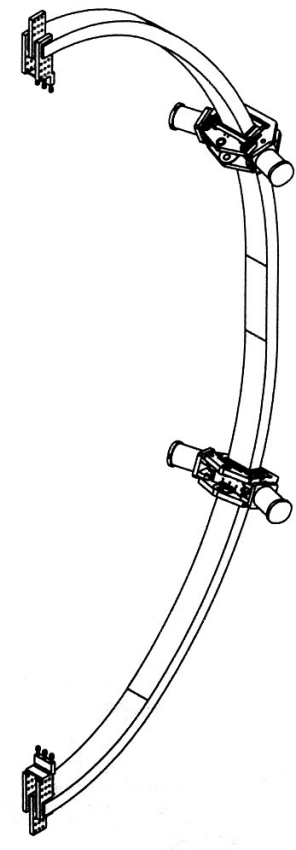
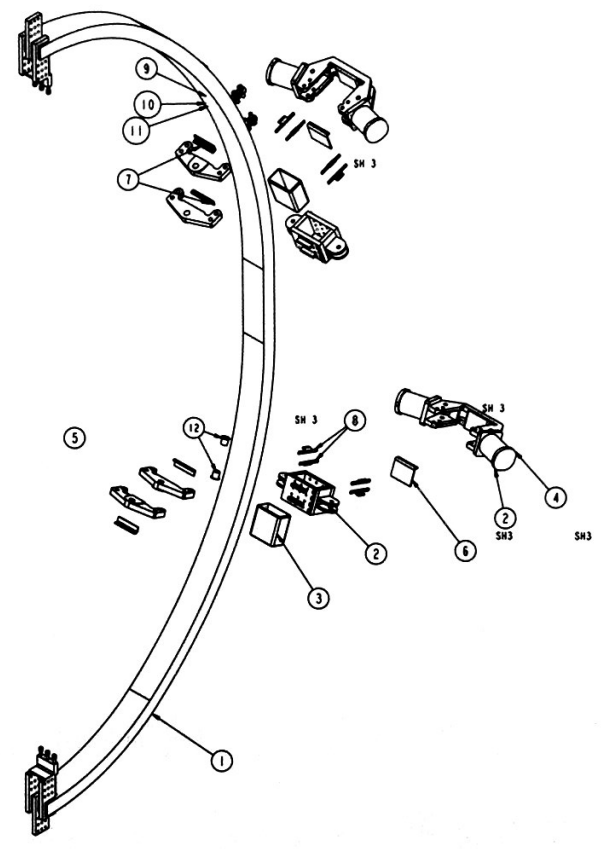
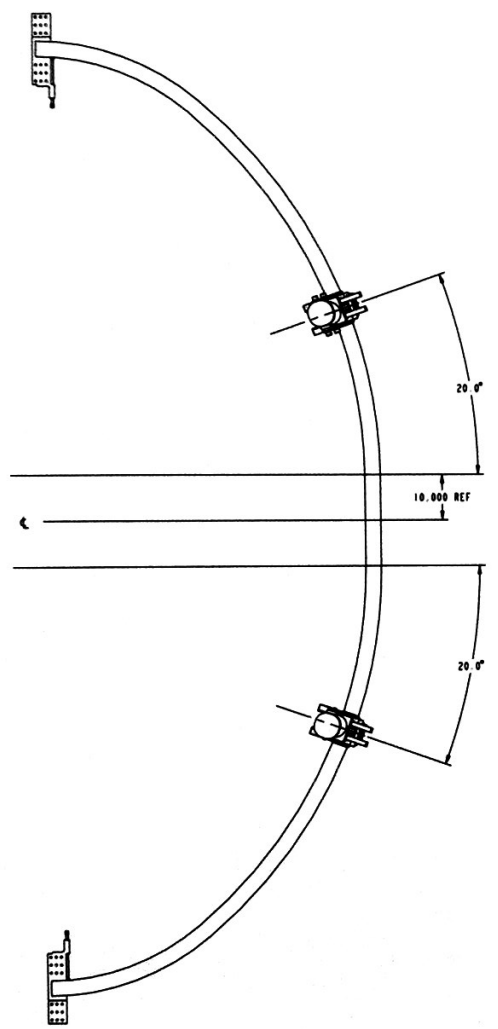
SCALE: 1:1

SHEET 2 OF 3

NO.	REVISION	BY	CHK	SUP	APPROVED	DATE

- NOTES:
 1 REMOVE ALL SHARP EDGES AND BURRS.
 2 ASSEMBLY AND ITEM 5 SHALL BE FREE OF DIRT AND OIL

08/23/11



GENERAL NOTES
 1. PPPL APPROVED DRAWINGS TAKE PRECEDENCE OVER MODEL DIMENSIONS.
 2. WHEN MODELS ARE PROVIDED, VENDOR MUST VERIFY THAT MODEL DIMENSIONS CONFORM WITH PPPL APPROVED DRAWINGS PRIOR TO FABRICATION.

PRELIMINARY

ITEM NO.	DRAWING NO.	NOMENCLATURE OR DESCRIPTION	MATERIAL	QTY	RECD
12	COMM	1" x 1/8" SLD BUSHING, AUB-167A-948, AUBORA	440 SS	4	
11	150777	3/4-10 UNC x 2 1/2 LG HEX SOC HD CAP SCR	316 SS	16	
10	151335	3/4 SPLIT LOCK WASHER	316 SS	16	
9	151323	3/4 FLAT WASHER	316 SS	16	
8	E-DC1577-6	TF CROSS MEMBER SUPPORT SHIM	316 SS	8	
7	E-DC1577-5	TF CROSS MEMBER SUPPORT SHIM	316 SS	4	
6	E-DC1577-4	TF CROSS MEMBER SUPPORT SHIM	316 SS	2	
5	E-DC1577	TF CROSS MEMBER SUPPORT CLAMP HOLD DOWN	316 SS	4	
4	E-DC1562	TF CROSS MEMBER CLAMP WELDMENT	316 SS	2	
3	E-DC1576	TF COIL EPOXY/FIBERGLASS WRAP	---	2	
2	E-DC1181	TF COIL OUTER LEG SUPPORT CLAMP ASSY	---	2	
1	E-DC1068-1	TF OUTER LEG	---	1	

COMPUTER GENERATED DRAWING: YES	CENTRAL FILES: PRINCETON PLASMA PHYSICS LABORATORY
NOT PLOTTED	PRINCETON UNIVERSITY
PRO E	NATIONAL OPTICAL TORMOS EQUIPMENT
	CENTER/STACK OPERATOR
	TF COIL ASSEMBLY
	TF COIL SUPPORT ASSEMBLY
SCALE: UNIFORMS NON-CORRELATIVE	DIV: MECH. ENG. DATE: 08/23/11
HEAT ASSEMBLY	DESIGNER: H SMITH
	DRY: B PALBERT
	CHK: B SMITH
	DATE: 08/23/11
	SHEET 1 OF 3

NETX-E-DC1577

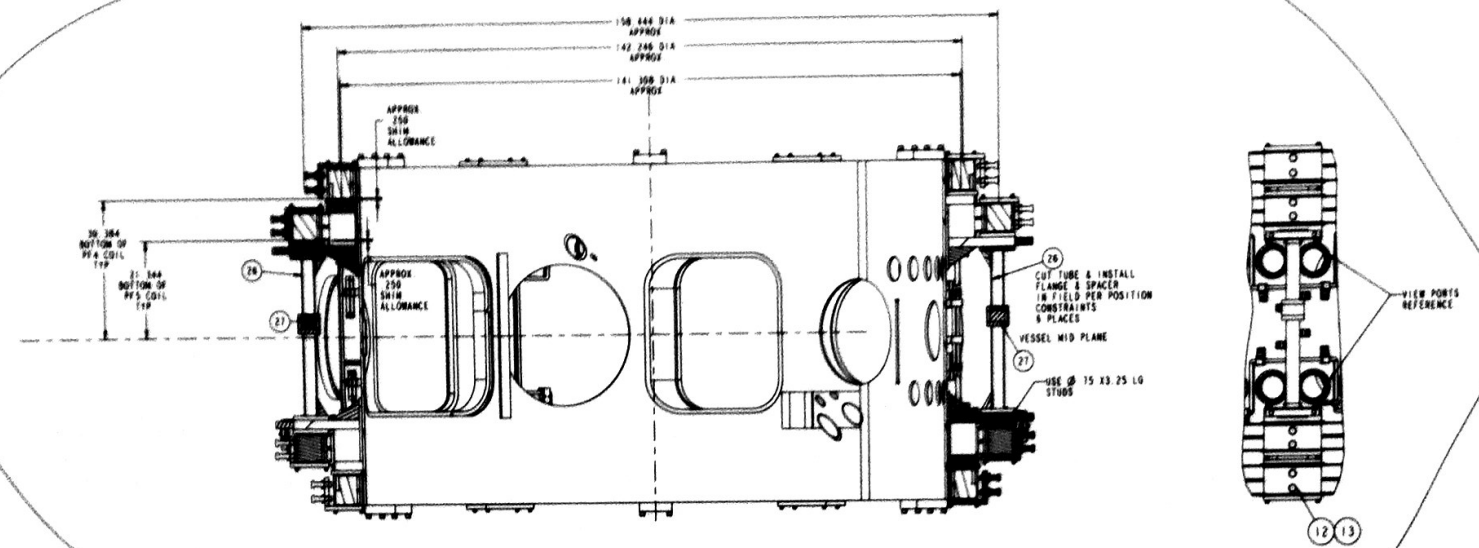
PRELIMINARY

FORGAGE LEVEL:	DATE:
ENDS VERIFIED NO.:	DATE:

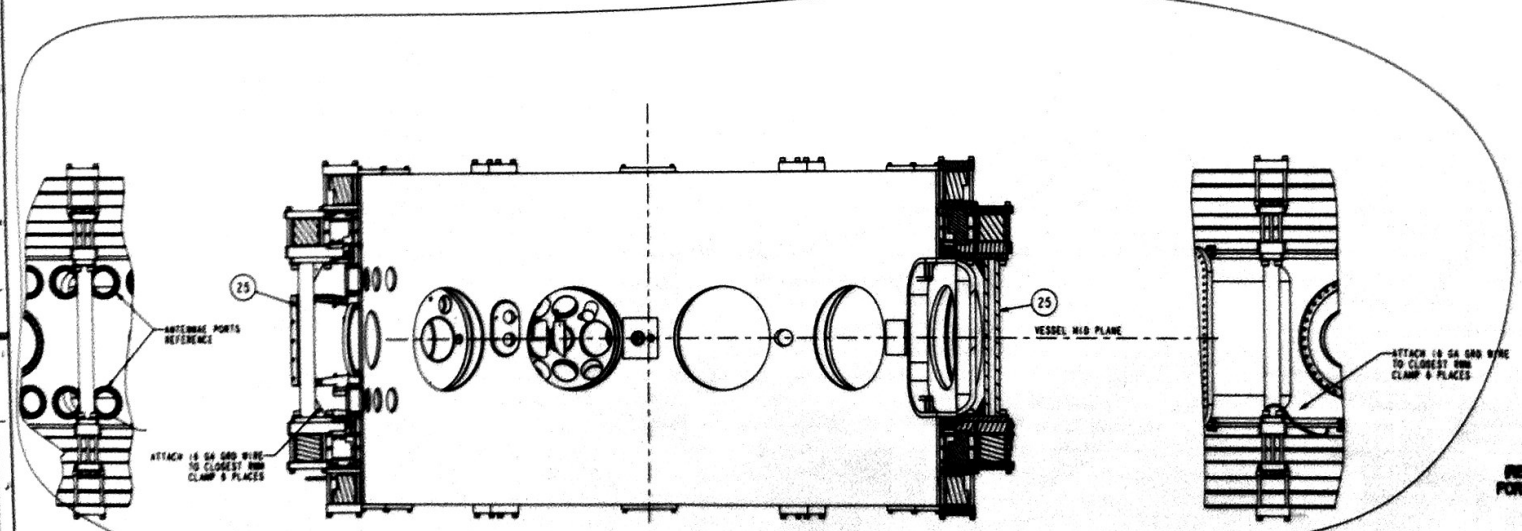
NO.	REVISION	BY	CHK	SUP	APPROVED	DATE
1	REVISED PER EEW 4281	JG	LW	JG	CHANDLER	8/14/00
2	REVISED PER EEW 4616	LW	JG	JG	CHANDLER	3/14/02
3	REVISION PER EEW	SLP				

NOTES
FOR NOTES SEE DRAWING E-08003A

05/31/2011



SECTION D-D
SCALE 0.100



SECTION ESEC0003-ESEC0003
SCALE 0.100

PPPL DRAWING E-08003 REV 2
FOR B/M SEE DRAWING E-08003A

GENERAL NOTES
1. PPPL APPROVED DRAWINGS TAKE PRECEDENCE OVER MODEL DIMENSIONS.
2. WHEN MODELS ARE PROVIDED, VENDOR MUST VERIFY THAT MODEL DIMENSIONS CONFORM WITH PPPL APPROVED DRAWINGS PRIOR TO FABRICATION.

PRELIMINARY

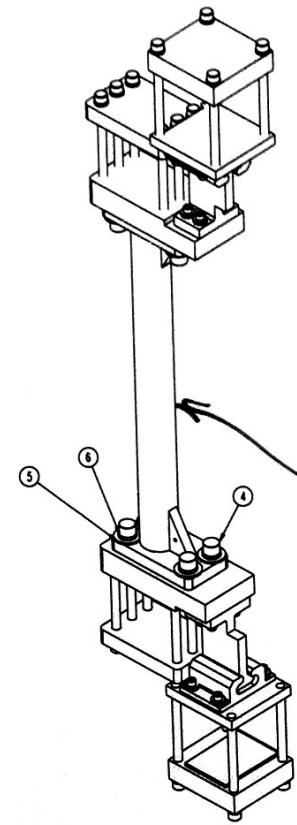
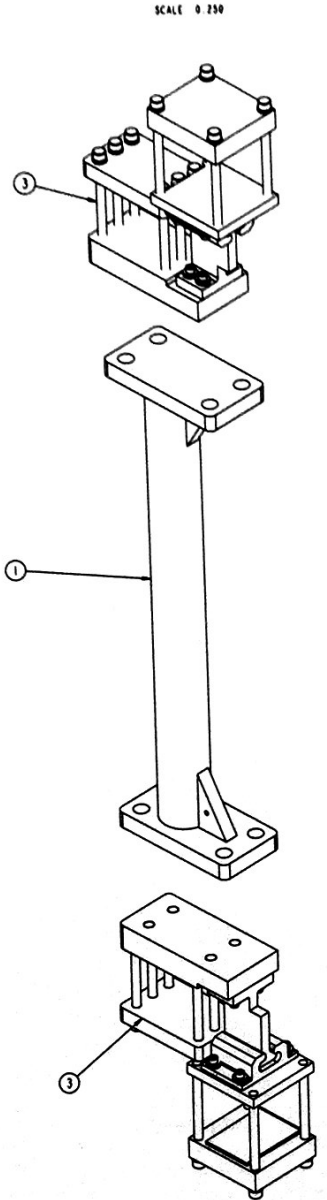
APPROVED FOR PROJECT MANAGER DATE: 05/31/2011 SCALE: AS SHOWN SHEET NUMBER: E-08003A SHEET 1 OF 1	GENERAL FILED DRAWING NUMBER: E-08003A PROJECT NUMBER: E-08003A SHEET NUMBER: E-08003A SHEET 1 OF 1	PRINCETON PLASMA PHYSICS LABORATORY PRINCETON UNIVERSITY PLASMA PHYSICS PPPL PFA & PFS COIL SUB-ASSEMBLY DATE: 05/31/2011 DRAWN BY: SLP CHECKED BY: JG APPROVED BY: JG SHEET NUMBER: E-08003A SHEET 1 OF 1
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NO	REVISION	BY	CHK	SUP	APPROVED	DATE

- NOTES:
1. REMOVE ALL SHARP EDGES AND BURRS
 2. PART SHALL BE FREE OF DIRT AND OIL
 3. MATERIAL SHALL BE ASTM A193 B8M CLASS 2

08/15/2011

ADJUSTABILITY?



6	COMM	1" SPLIT LOCK WASHER	NOTE 3	8
5	COMM	1" FLAT WASHER	NOTE 3	8
4	COMM	1"-8 UNC x 3 LB HEX SOC HD CAP SCREW	NOTE 3	8
3	E-DC1580	PF4 / PF5 CLAMP ASSEMBLY	.....	2
2	E-DC1580-B OR C	SHIM	316 SS	AN
1	E-DC1580	PF COIL COLUMN WELDMNT	.....	1
ITEM NO.	DRAWING NO.	NOMENCLATURE OR DESCRIPTION	MATERIAL	QTY
COMPUTER GENERATED DRAWING NOT VALIDATED	DATE: 08/15/2011	PRINCETON PLASMA PHYSICS LABORATORY PRINCETON UNIVERSITY NATIONAL SUPERCONDUCTING TORUS EQUIPMENT CENTERSTACK UPGRADE PF SUPPORT ASSEMBLY PF4 PF5 COLUMN SUPPORT ASSEMBLY		
SCALE: 0.250	DESIGNED BY: P. C. PALAZZI	DRAWN BY: P. C. PALAZZI	DATE: 08/15/2011	REV: 1
<p>PRELIMINARY</p>				<p>PRELIMINARY</p>
<p>REVISION LEVEL: _____</p>				<p>SHEET 1 OF 1</p>

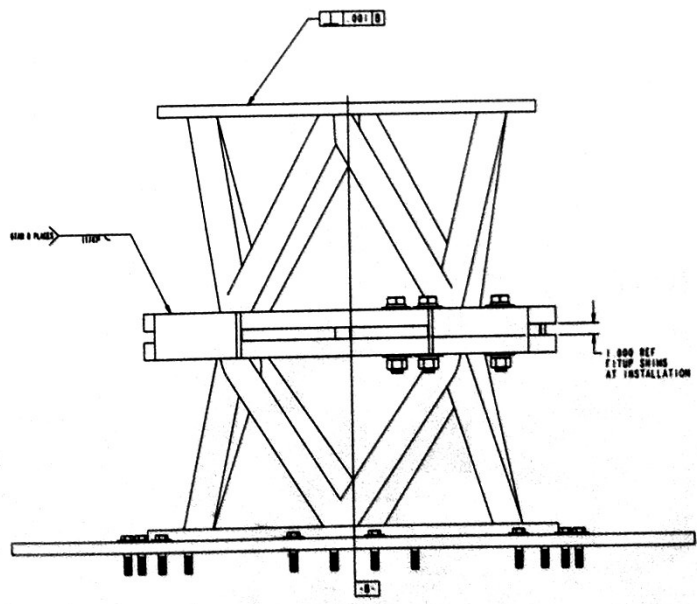
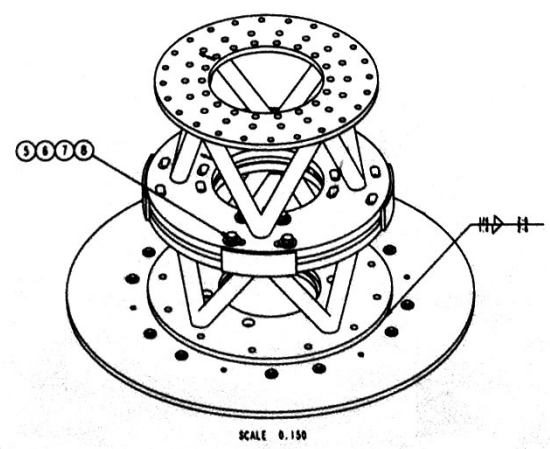
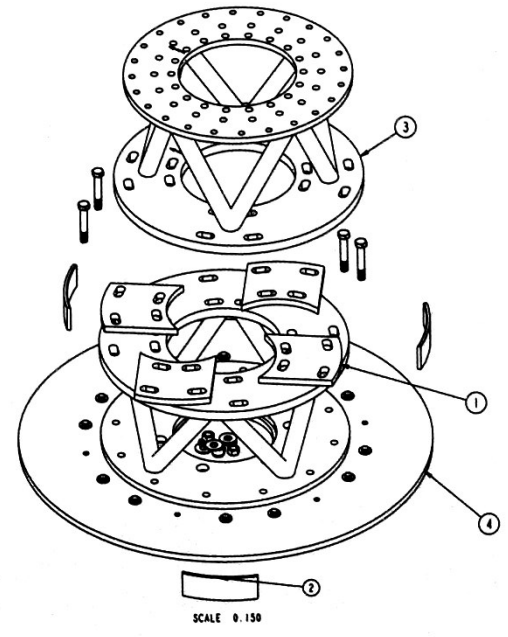
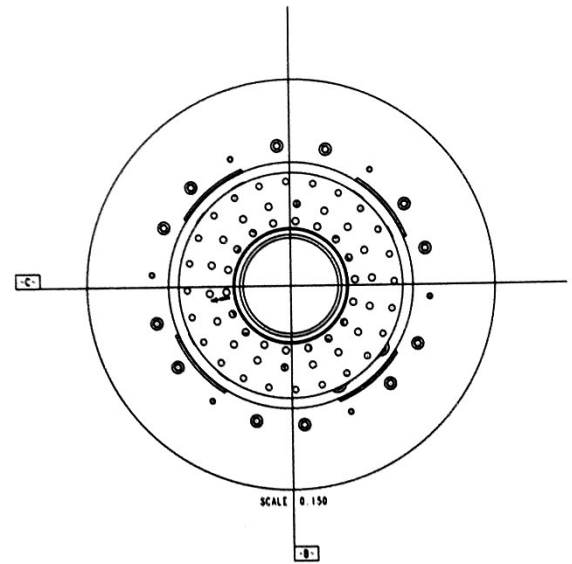
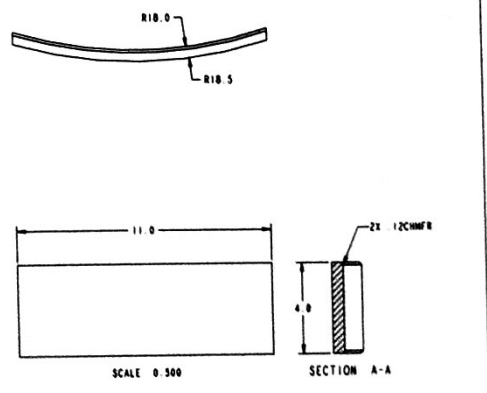
- GENERAL NOTES
1. PPPL APPROVED DRAWINGS TAKE PRECEDENCE OVER MODEL DIMENSIONS.
 2. WHEN MODELS ARE PROVIDED, VENDOR MUST VERIFY THAT MODEL DIMENSIONS CONFORM WITH PPPL APPROVED DRAWINGS PRIOR TO FABRICATION.

REVISION LEVEL: _____	DATE: _____
DWG NUMBER NO: _____	DATE: _____

NO	REVISION	BY	CHK	SUP	APPROVED	DATE

- NOTES:
1. REMOVE ALL SHARP EDGES AND BURRS.
 2. PART SHALL BE FREE OF DIRT AND OIL.
 3. WELDING SHALL BE CONFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF PPPL PROCEDURE ENG-037. VISUAL WELD INSPECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE ACCEPTANCE CRITERIA OF ASME B31.3 CATEGORY D.

09/22/11



GENERAL NOTES

1. PPPL APPROVED DRAWINGS TAKE PRECEDENCE OVER MODEL DIMENSIONS.
2. WHEN MODELS ARE PROVIDED, VENDOR MUST VERIFY THAT MODEL DIMENSIONS CONFORM WITH PPPL APPROVED DRAWINGS PRIOR TO FABRICATION.

PRELIMINARY

ITEM NO.	DESCRIPTION	MATERIAL	QTY	REQD
8	COMB	1"-8 UNC-2A x 6 LG HEX HEAD BOLT	18	18
7	COMB	1" SPLIT LOCK WASHER	32	32
6	COMB	1" FLAT WASHER	32	32
5	COMB	1"-8 UNC-2B HEX NUT	18	18
4	E-DC1585	LOWER PEDESTAL BASE ASSEMBLY	1	1
3	E-DC1584	UPPER PEDESTAL ASSEMBLY	1	1
2	E-DC1583-2	PEDESTAL SHW	316 SS	4
1	E-DC1583-1	PEDESTAL SHW	316 SS	4
ITEM NO.	DRAWING NO.	DESCRIPTION <td>MATERIAL</td> <td>QTY</td>	MATERIAL	QTY

CENTRAL FILE: PRINCETON PLASMA PHYSICS LABORATORY
 PROJECT: PRINCETON UNIVERSITY
 NATIONAL EXPERIMENTAL TORUS EXPERIMENT
 DIVISION: CENTRE FOR PLASMA PHYSICS
 TUBULAR CENTERFACE PEDESTAL ASSEMBLY
 SCALE: 1" = 1'-0" (AS SHOWN)
 DATE: 09/22/11
 DRAWN BY: J. PALOVITZ
 CHECKED BY: J. PALOVITZ
 APPROVED BY: J. PALOVITZ
 SHEET 1 OF 1