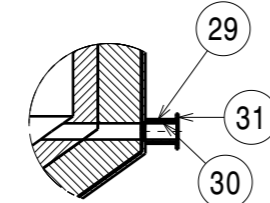
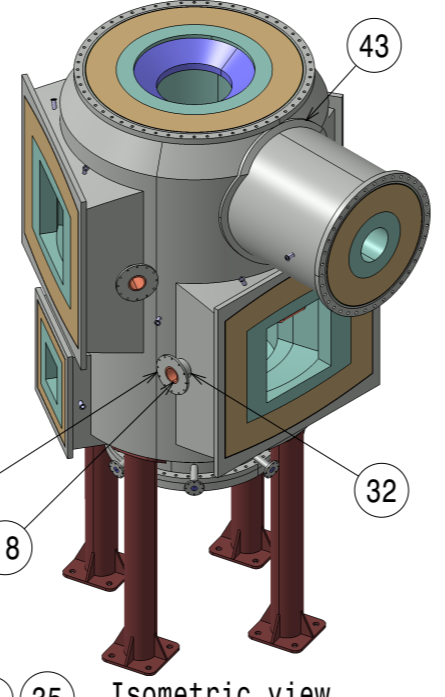


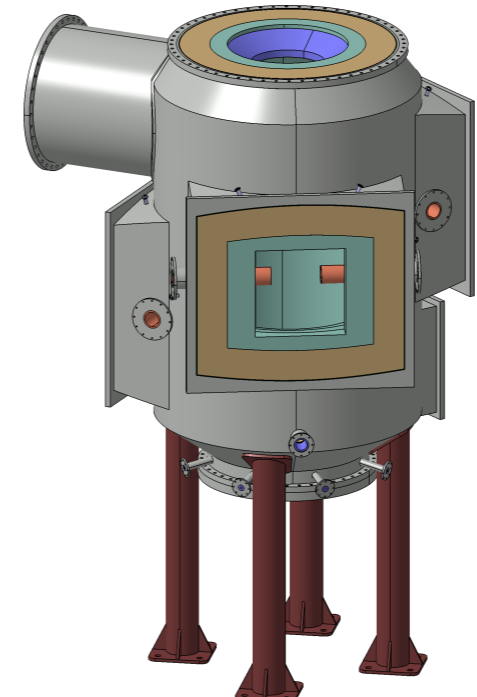
Detail Z



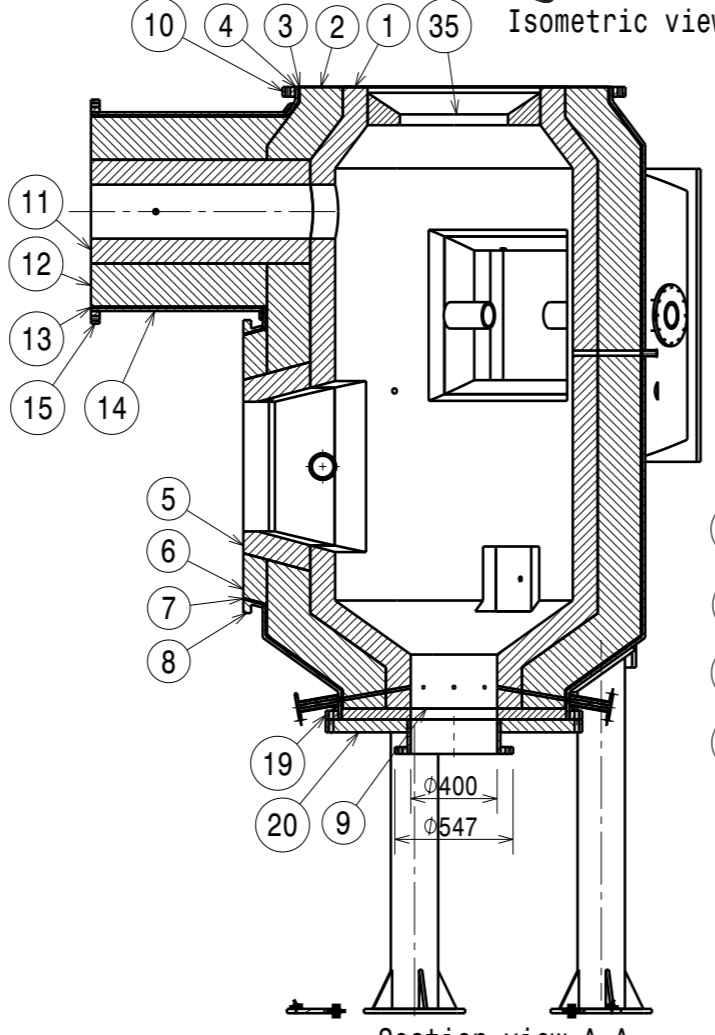
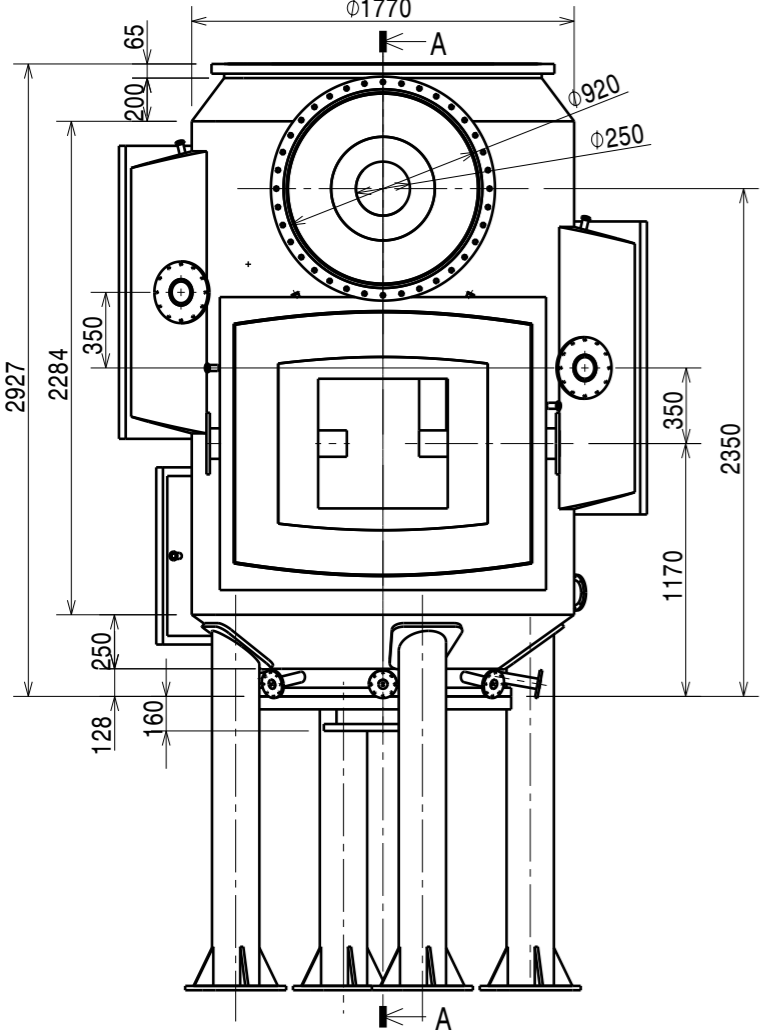
Section view C-C



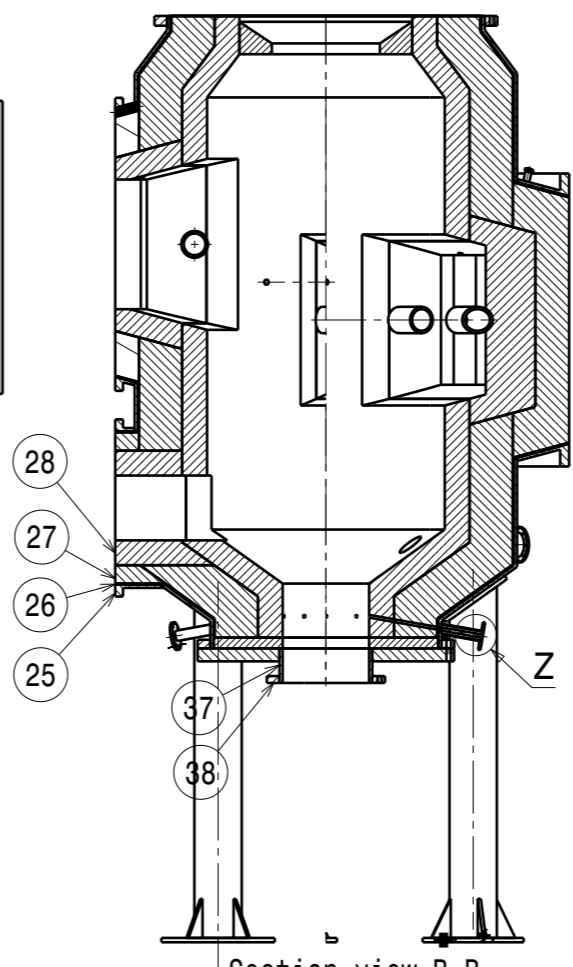
Isometric view



Isometric view



Section view A-A



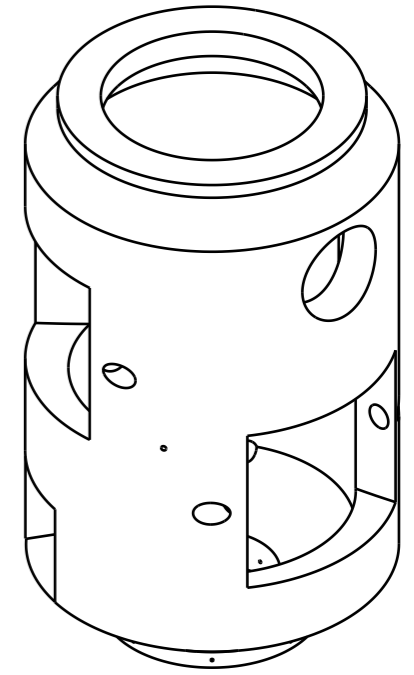
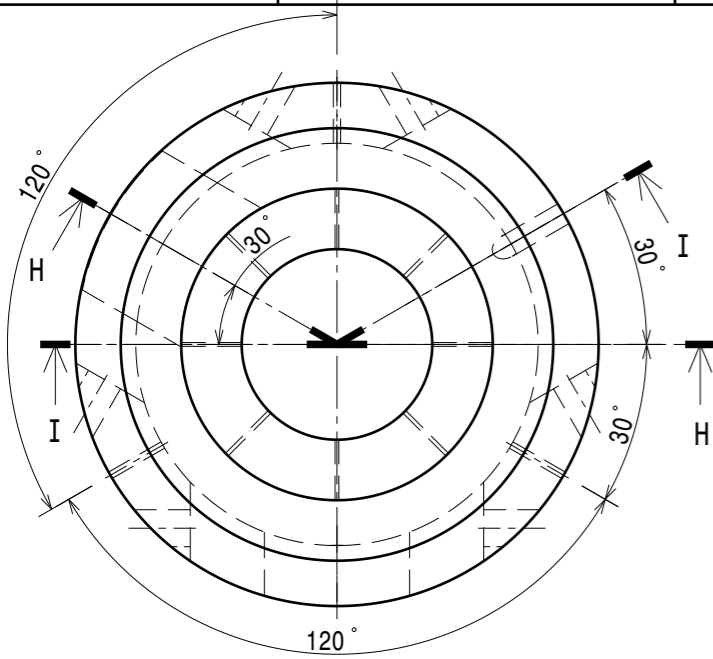
Section view B-B

NOTE FOR SUPPORT STRUCTURES:-
 1) SUPPORT STRUCTURES SHOWN HERE IS IMAGINARY ONLY.
 2) VENDOR SHALL PERFORM DESIGN OF SUUPPORT STRUCUTRE AS PER ACTUAL LOAD COMBINATION AND REFER TO CODE AND STANDARDS.
 3) THE DESIGN OF SUPPORT STRUCTURE SHOULD BE SUCH THAT IT DOES NOT OBSTRUCT MOVEMENT OF ANY COMPONENTS DURING OPERATION.
 4) MOC: MILD STEEL (M.S.) OF IS 2062 GRADE E300 QUALITY A OR BR.

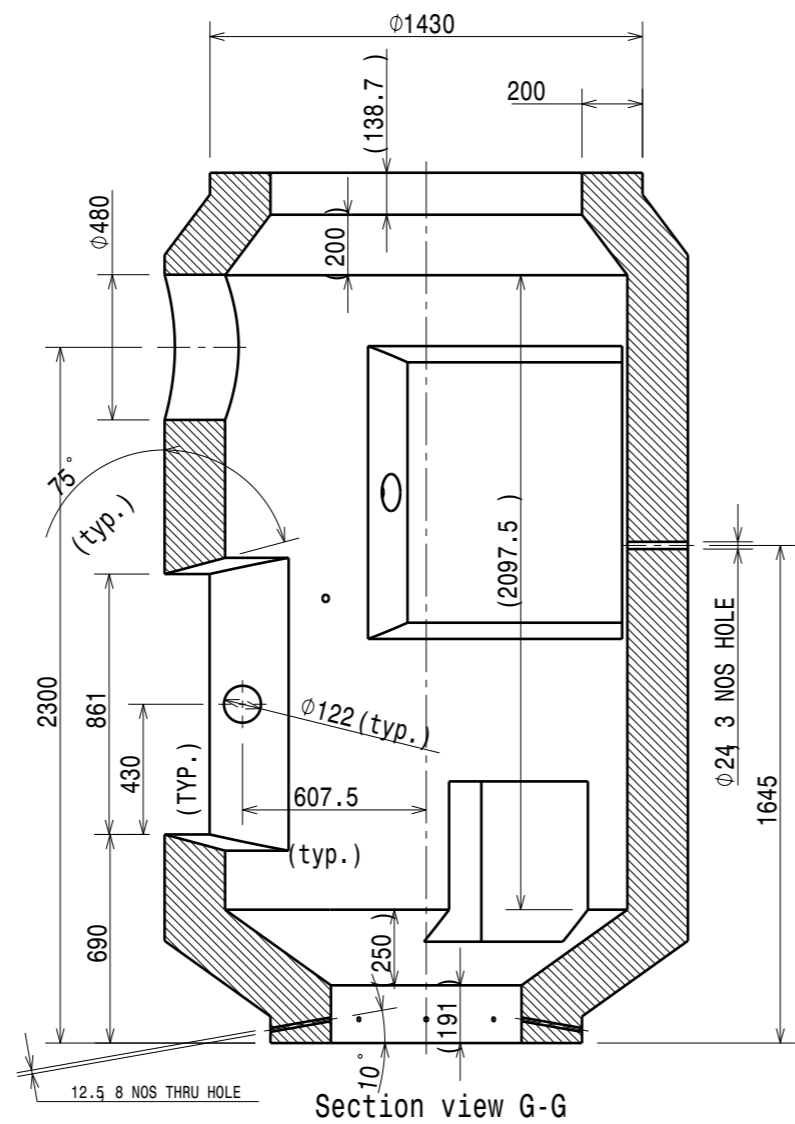
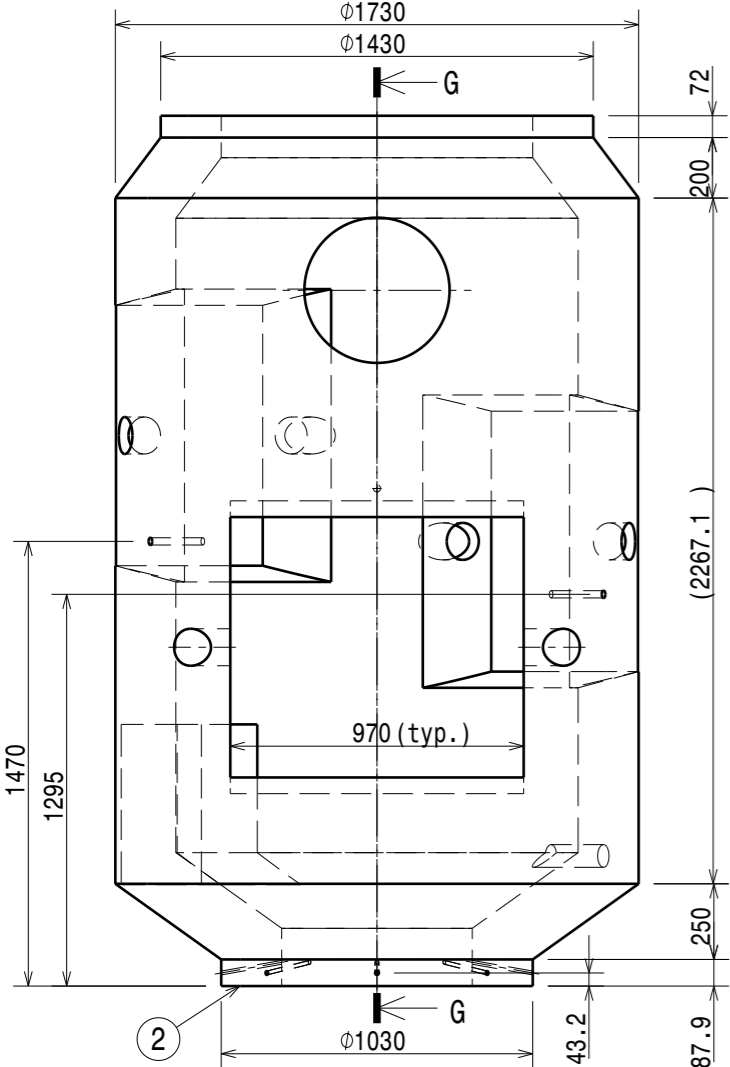
Item No.	Description	Quantity	Material	Remarks
43	PART 43	1	SA-516 GR. 70	-
38	PART 38	1	SA-105	-
37	PIPE-37	1	310/321/316Ti	-
36	PART 36	11	SA-106 GR. B	-
35	PART 35	1	-	-
34	PART 34	8	SA-105	-
33	PART 33	6	SA-105	-
32	PART 32	6	SA-106 GR. B	-
31	PART 31	1	SA-105	-
30	PART 30	1	-	-
29	PART 29	1	SA-106 GR. B	-
28	PART 28	1	-	-
27	PART 27	1	-	-
26	PART 26	1	-	-
25	PART 25	1	SA-516 GR. 70	FLANGE (SA-105)
24	PART 24	8	-	-
23	PART 23	8	SA-106 GR. B	-
20	PART 20	1	SA-105	-
19	PART 19	1	SA-105	-
18	PART 18	6	SA-516 GR. 70	-
15	PART 15	1	SA-105	-
14	PART 14	1	SA-516 GR. 70	-
13	PART 13	1	-	-
12	PART 12	1	-	-
11	PART 11	1	-	-
10	PART 10	1	SA-105	-
9	PART 9	1	-	-
8	PART 8	3	SA-516 GR. 70	FLANGE (SA-105)
7	PART 7	3	-	-
6	PART 6	3	-	-
5	PART 5	3	-	-
4	PART 4	1	SA-516 GR. 70	-
3	PART 3	1	-	-
2	PART 2	1	-	-
1	PART 1	1	-	-

DRG.NO	8-25	1.6-8	0.025-1.6	< 0.025	REVISION COLUMN					
CO-ORDINATED BY					REV	ZONE	DESCRIPTION	DATE	REMARKS	APPROVED BY
COMPONENT MANUFACTURING/FABRICATION AND ASSEMBLY AS PER ASME Y 14.5 AND ISO 2768										

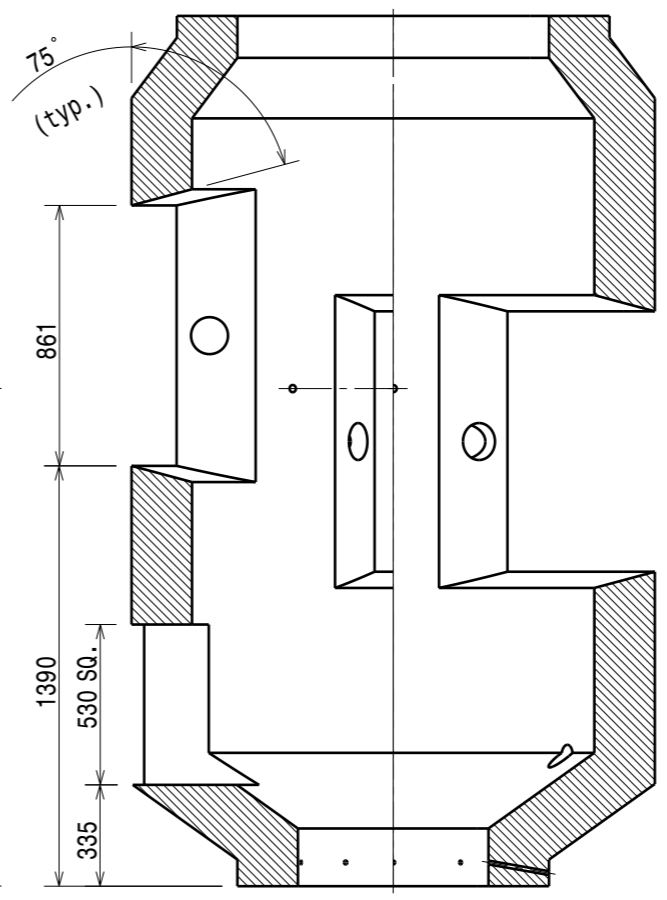
ASS'Y GROUP/ DIVISION: APD/IPR	SIZE A3	INSTITUTE FOR PLASMA RESEARCH BHAT, GANDHINAGAR-382 428. INDIA	
ALL DIMENSIONS ARE IN 'mm' UNLESS OTHERWISE STATED			
SCALE	NTS	DATE	TITLE CYLINDRICAL CHAMBER ASSEMBLY
DRAWN	SK PATNAIK		
CHECKED	ATIK MISTRY	REF DRG NO : IPR/APD/20/A3/CBUTF/B	REV 00
APPROVED		DRG.NO IPR/APD/20/A3/CBUTF/B/01	SHEET 01 OF 35



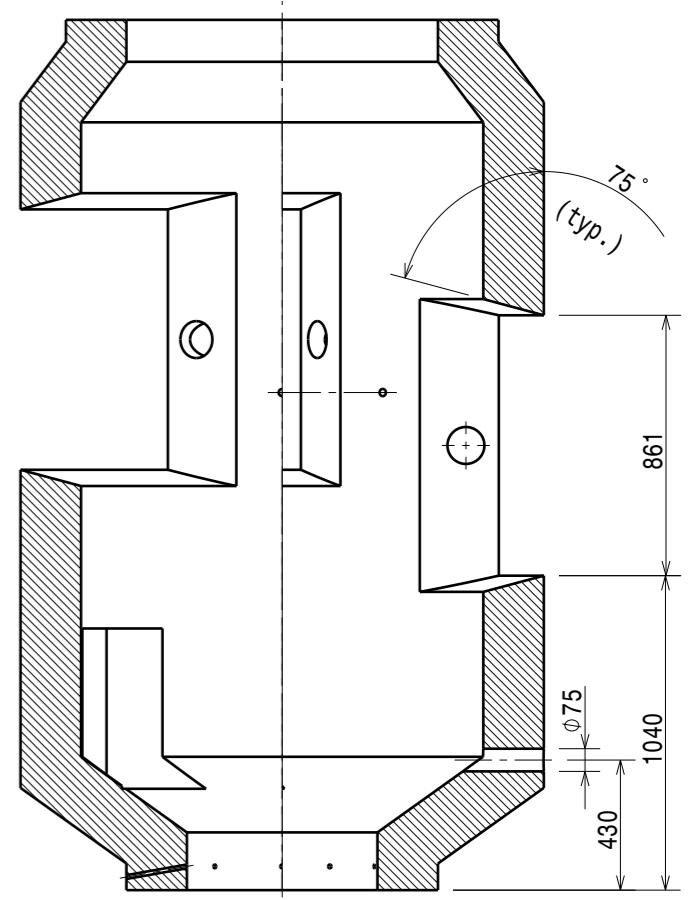
Isometric view



Section view G-G



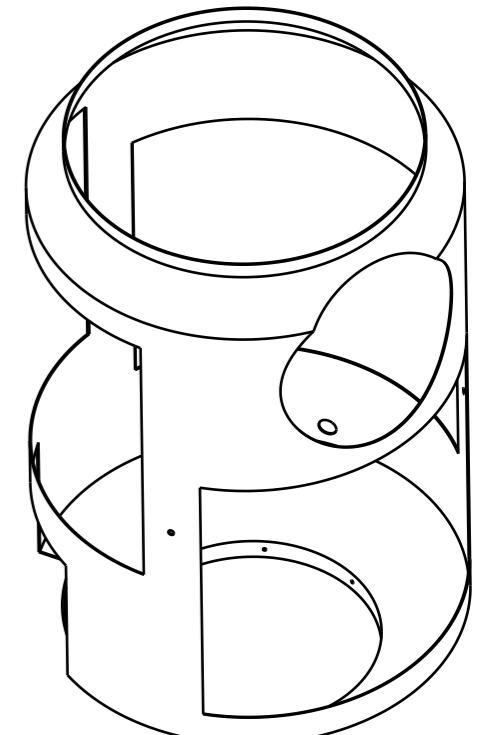
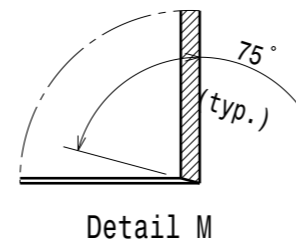
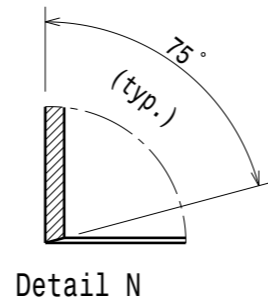
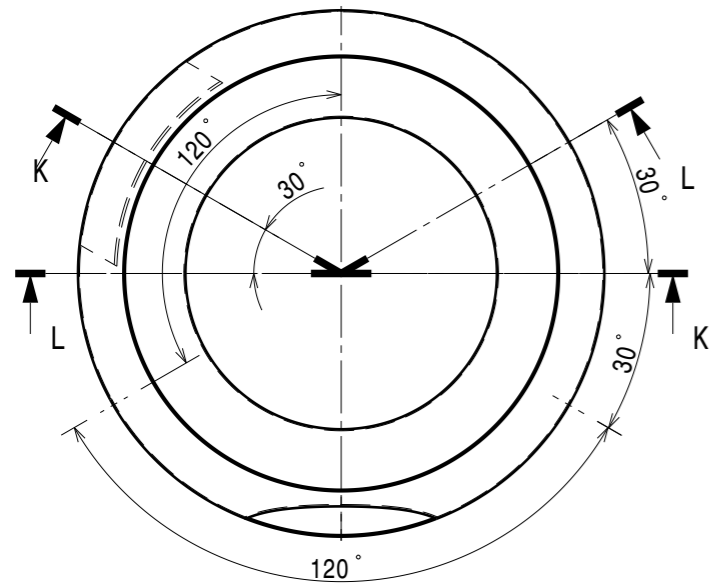
Section view H-H



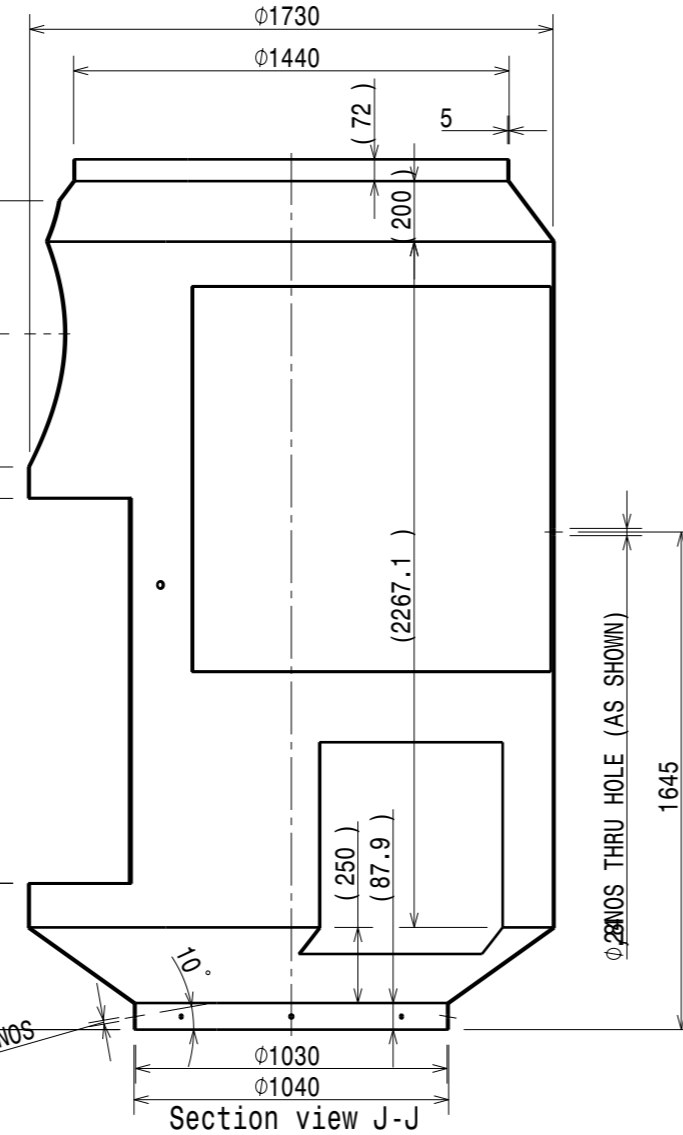
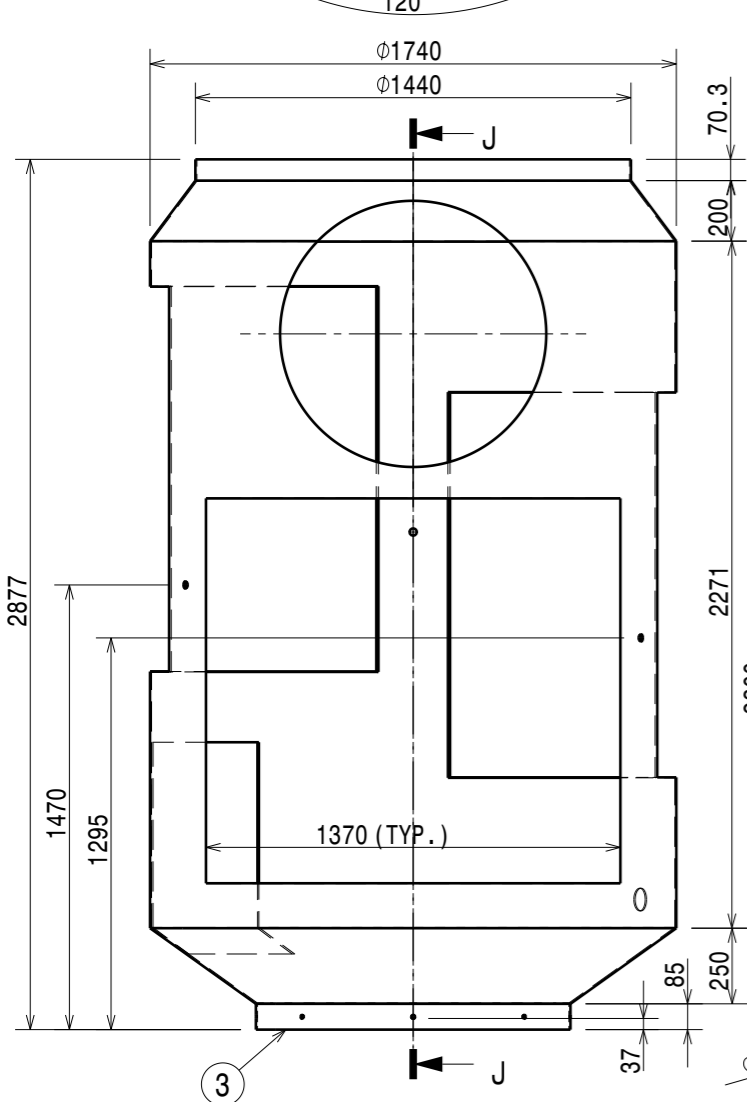
Section view I-I

DRG. NO	▽ 8-25	▽ 1.6-8	▽ 0.025-1.6	▽ 0.025	REVISION COLUMN					ASS'Y GROUP / DIVISION: APD/IPR	SIZE A3	INSTITUTE FOR PLASMA RESEARCH BHAT, GANDHINAGAR-382 428. INDIA				
CO-ORDINATED BY					REV	ZONE	DESCRIPTION	DATE	REMARKS	APPROVED BY	ALL DIMENSIONS ARE IN 'mm' UNLESS OTHERWISE STATED		TITLE			
COMPONENT MANUFACTURING/FABRICATION AND ASSEMBLY AS PER ASME Y 14.5 AND ISO 2768											SCALE	NTS	DATE	 THIRD ANGLE PROJECTION	PART 2	
											DRAWN	SK PATNAIK				
											CHECKED	ATIK MISTRY	REF DRG NO: IPR/APD/20/A3/CBUTF/B			REV 00
											APPROVED		DRG. NO IPR/APD/20/A3/CBUTF/B/01			SHEET 03 OF 35

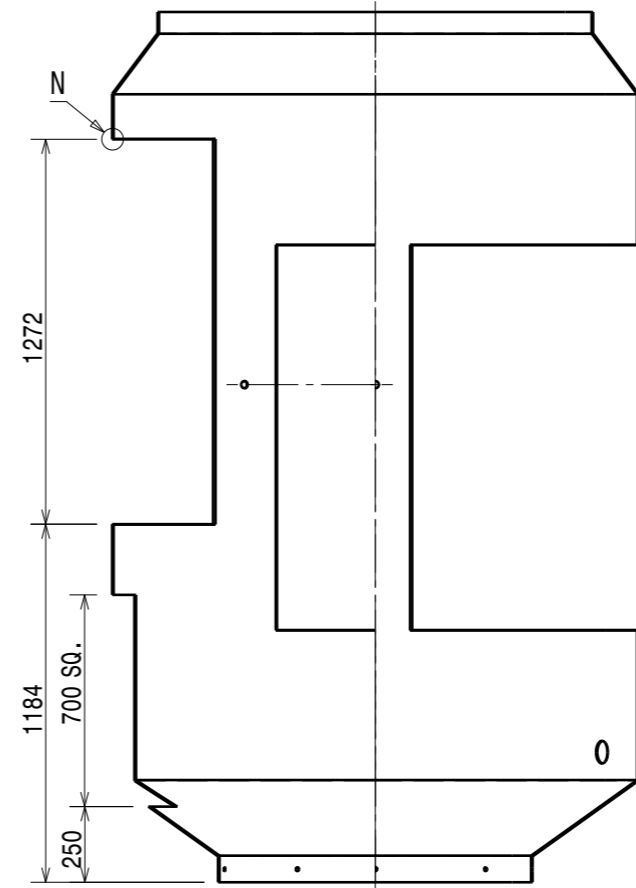
H G F E D C B A



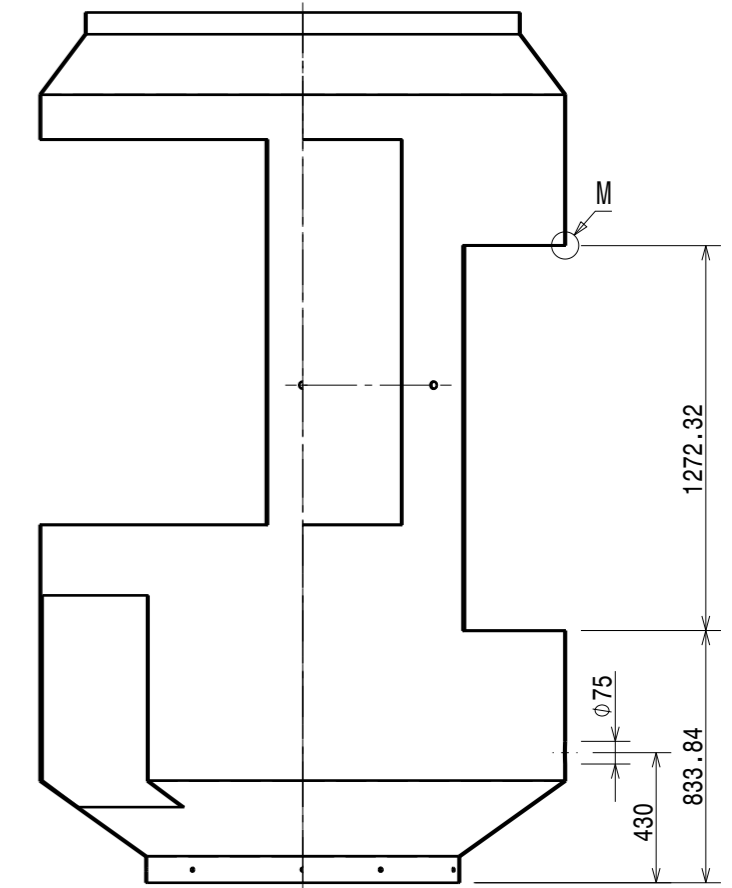
Isometric view




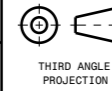
Section view J-J

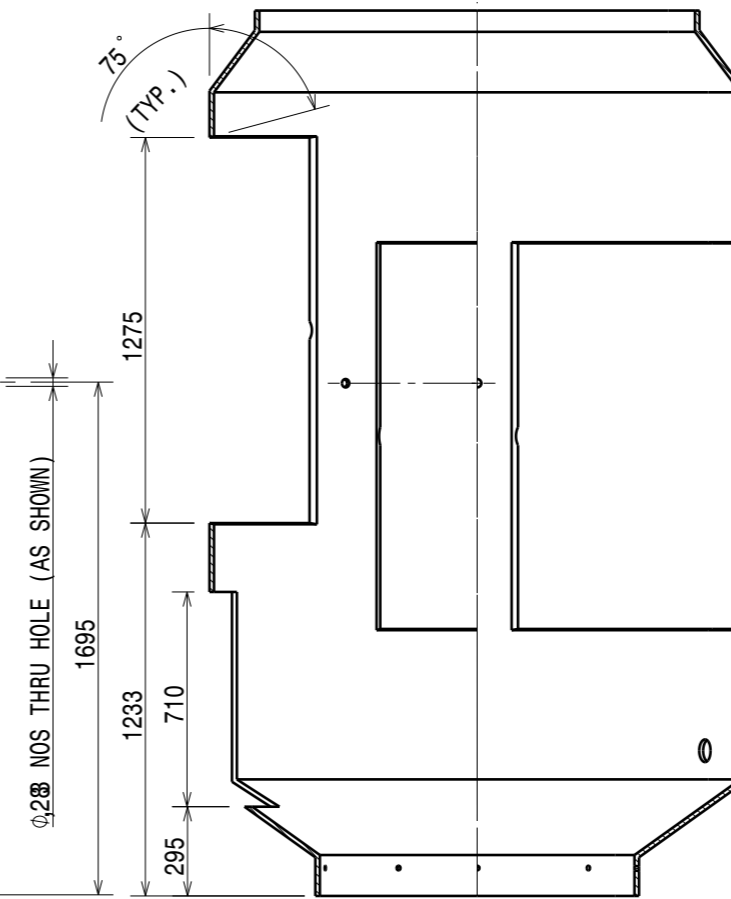
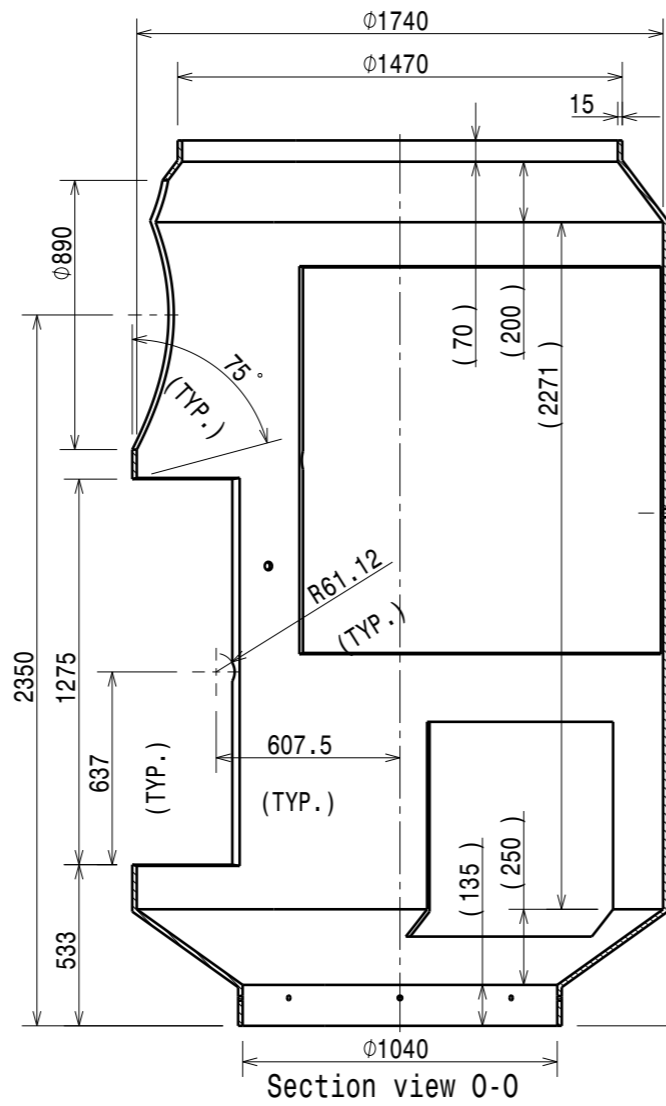
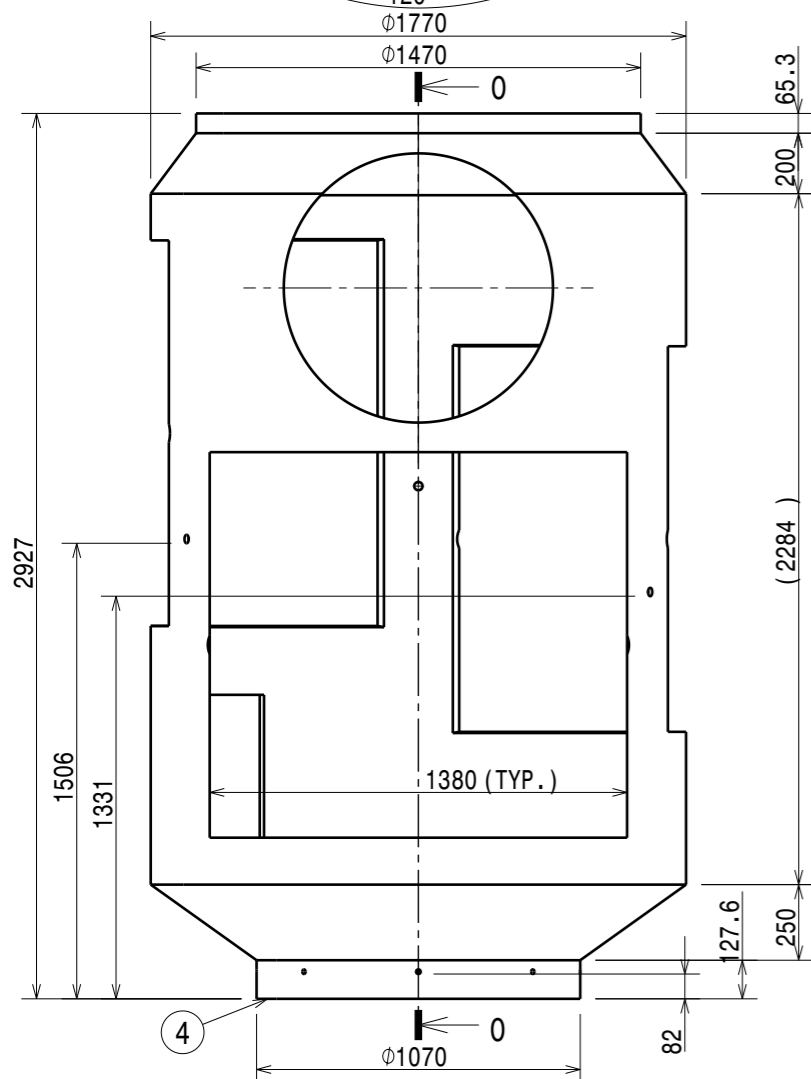
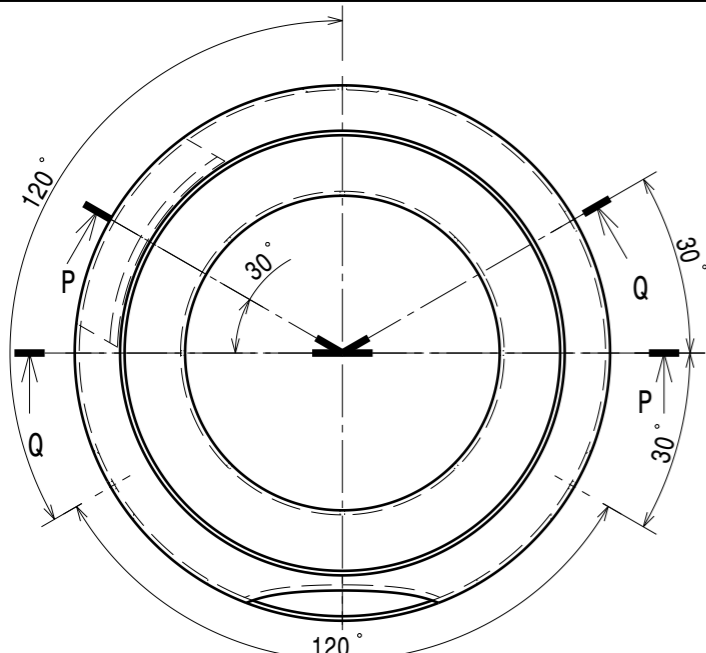


Section view K-K

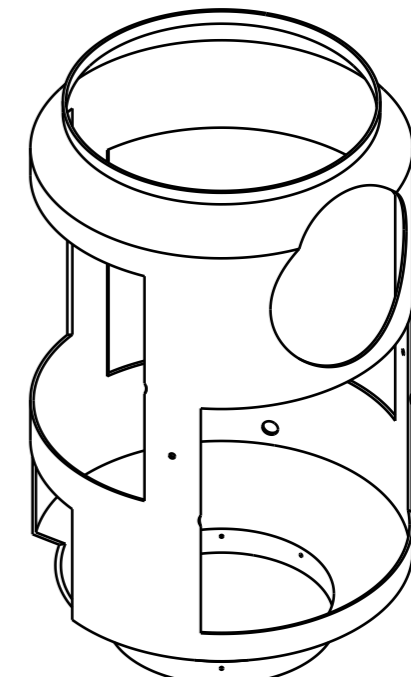


Section view L-L

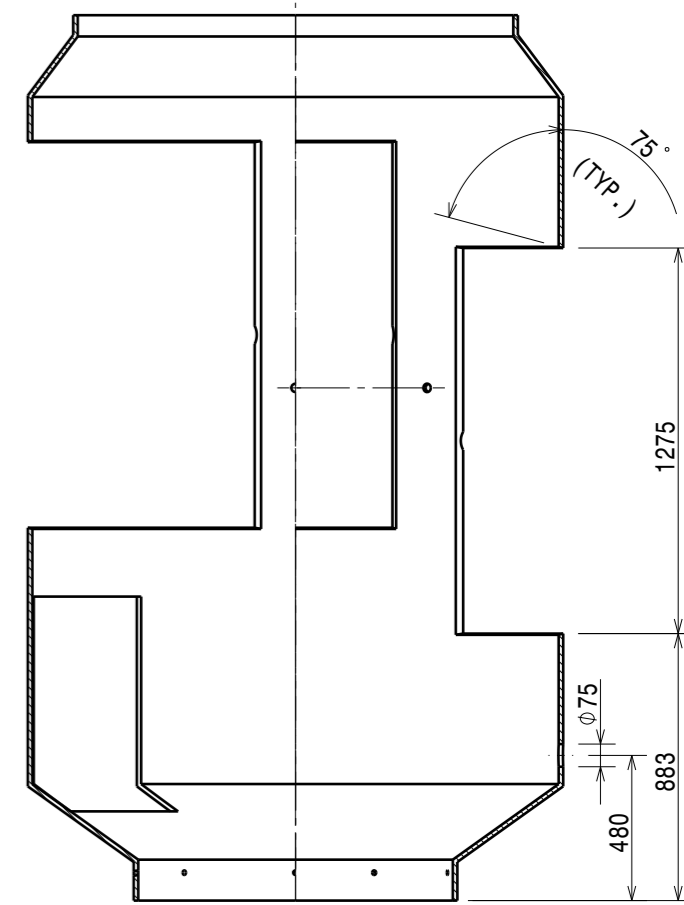
DRG.NO	▽ 8-25	▽ 1.6-8	▽ 0.025-1.6	▽ 0.025 < 0.025	REVISION COLUMN					ASS'Y GROUP/ DIVISION: APD/IPR	SIZE A3	 INSTITUTE FOR PLASMA RESEARCH BHAT, GANDHINAGAR-382 428. INDIA		
CO-ORDINATED BY					REV	ZONE	DESCRIPTION	DATE	REMARKS	APPROVED BY	SCALE		NTS	DATE
COMPONENT MANUFACTURING/FABRICATION AND ASSEMBLY AS PER ASME Y 14.5 AND ISO 2768											 PART 3			
											CHECKED	ATIK MISTRY	REF DRG NO: IPR/APD/20/A3/CBUTF/B	REV 00
											APPROVED		DRG.NO IPR/APD/20/A3/CBUTF/B/01	SHEET 04 OF 35




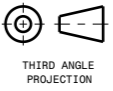
Section view P-P

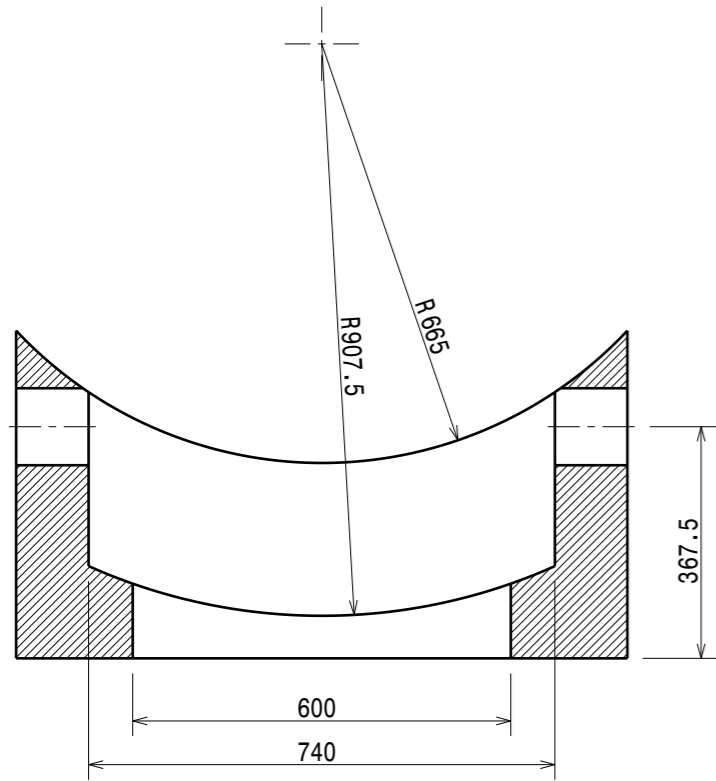


Isometric view

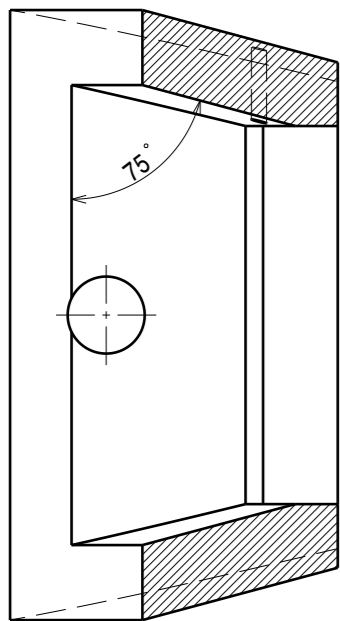
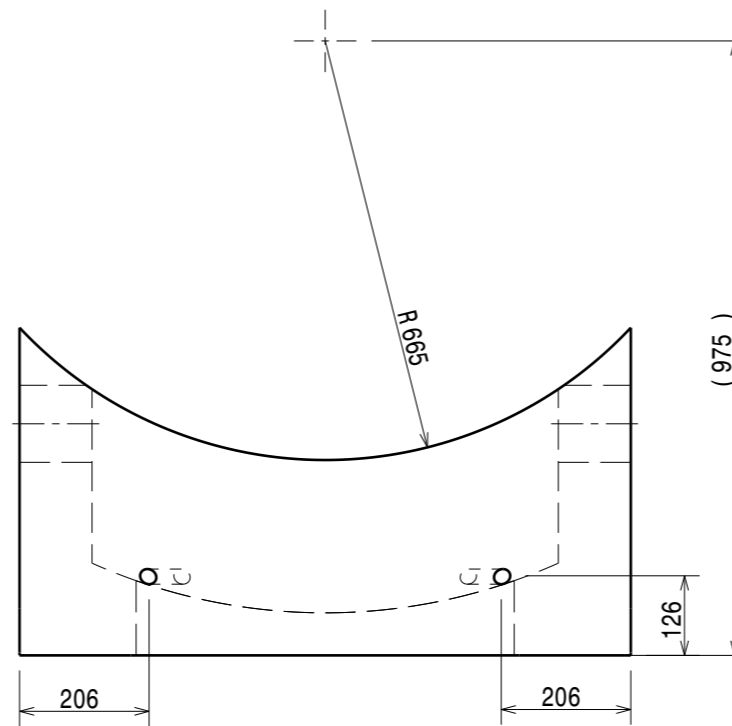


Section view Q-Q

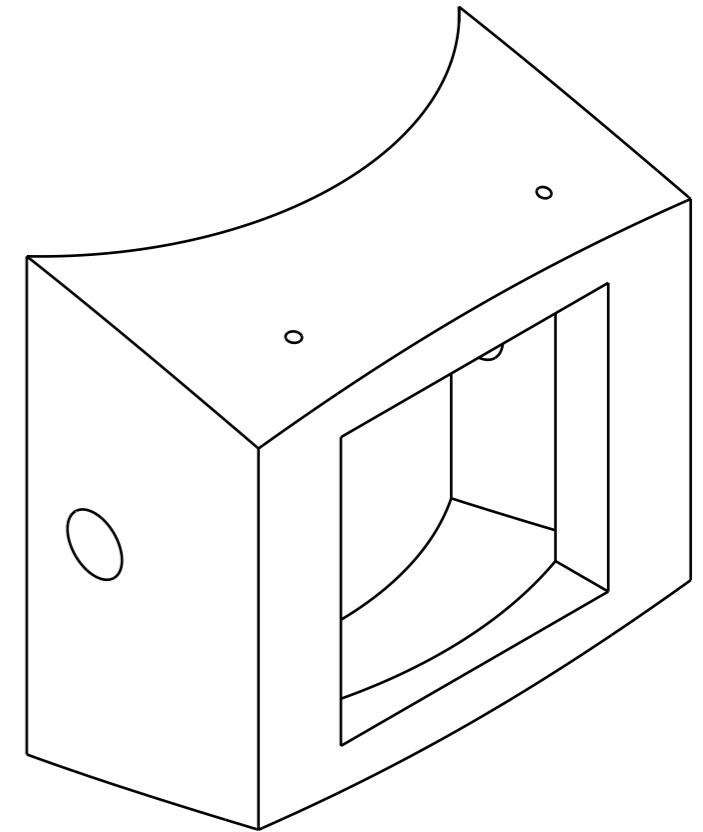
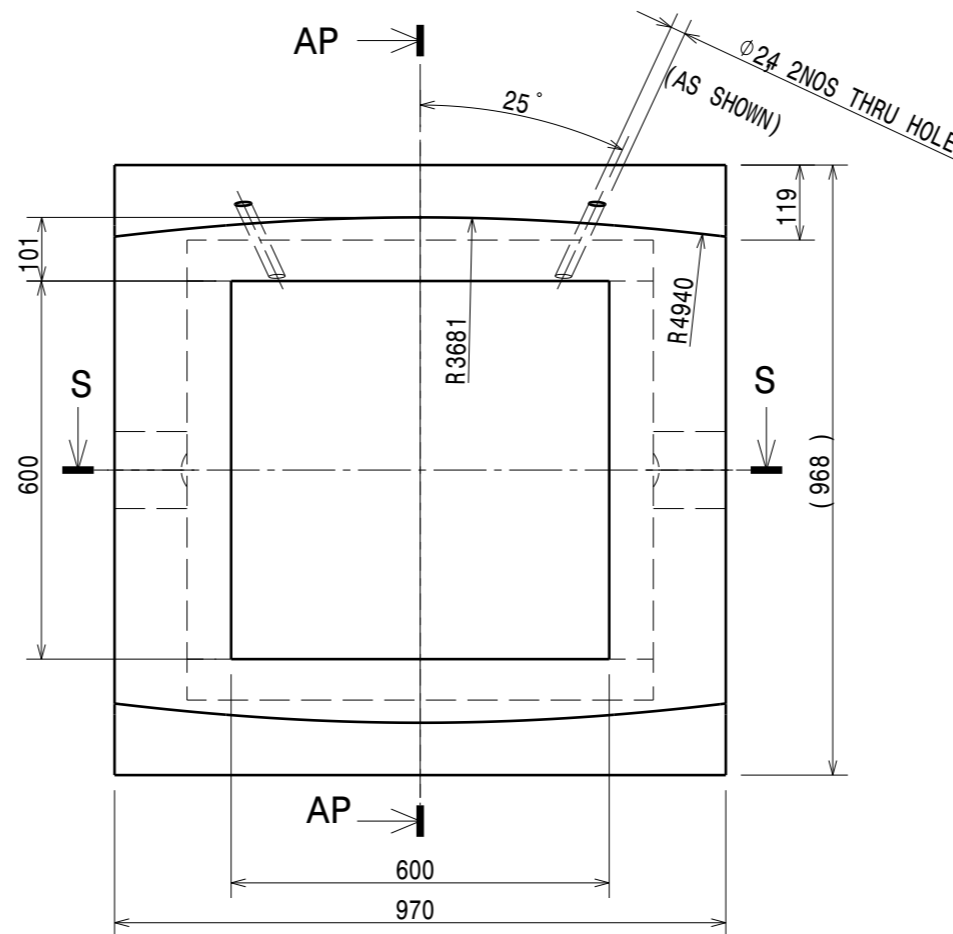
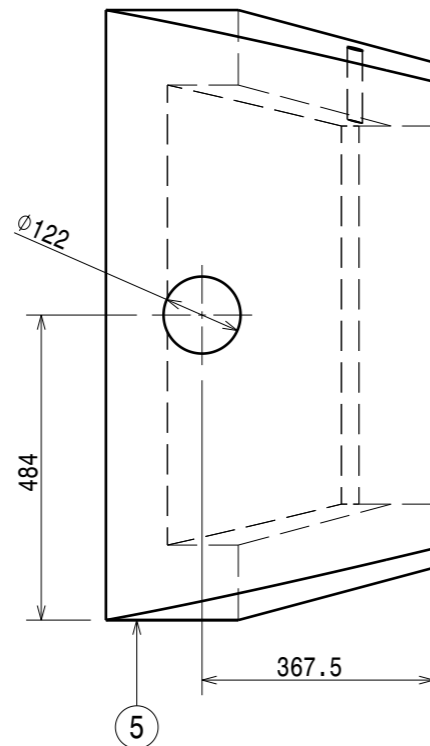
DRG.NO	▽ 8-25	▽ 1.6-8	▽ 0.025-1.6	▽ < 0.025	REVISION COLUMN					ASS'Y GROUP/ DIVISION: APD/IPR	SIZE A3	 INSTITUTE FOR PLASMA RESEARCH BHAT, GANDHINAGAR-382 428. INDIA		
CO-ORDINATED BY					REV	ZONE	DESCRIPTION	DATE	REMARKS	APPROVED BY	SCALE		NTS	DATE
COMPONENT MANUFACTURING/FABRICATION AND ASSEMBLY AS PER ASME Y 14.5 AND ISO 2768											 PART 4			
											CHECKED	ATIK MISTRY	REF DRG NO: IPR/APD/20/A3/CBUTF/B	REV 00
											APPROVED		DRG.NO IPR/APD/20/A3/CBUTF/B/01	SHEET 05 OF 35



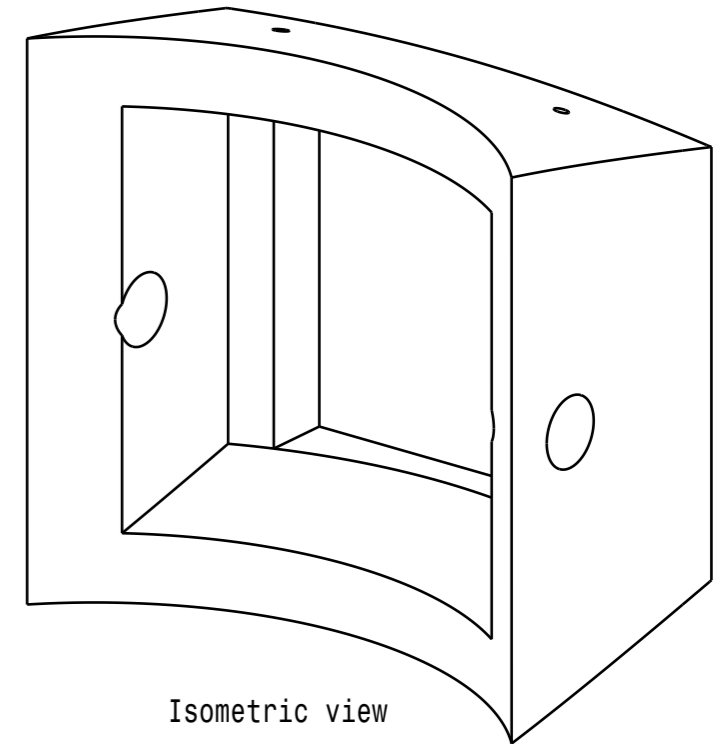
Section view S-S




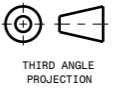
Section view AP-AP



Isometric view



Isometric view

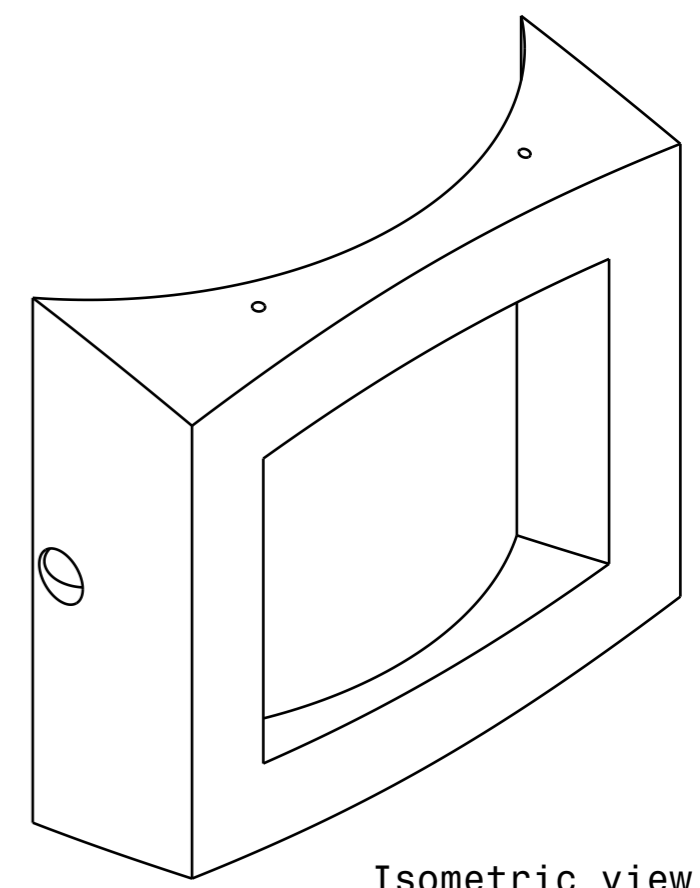
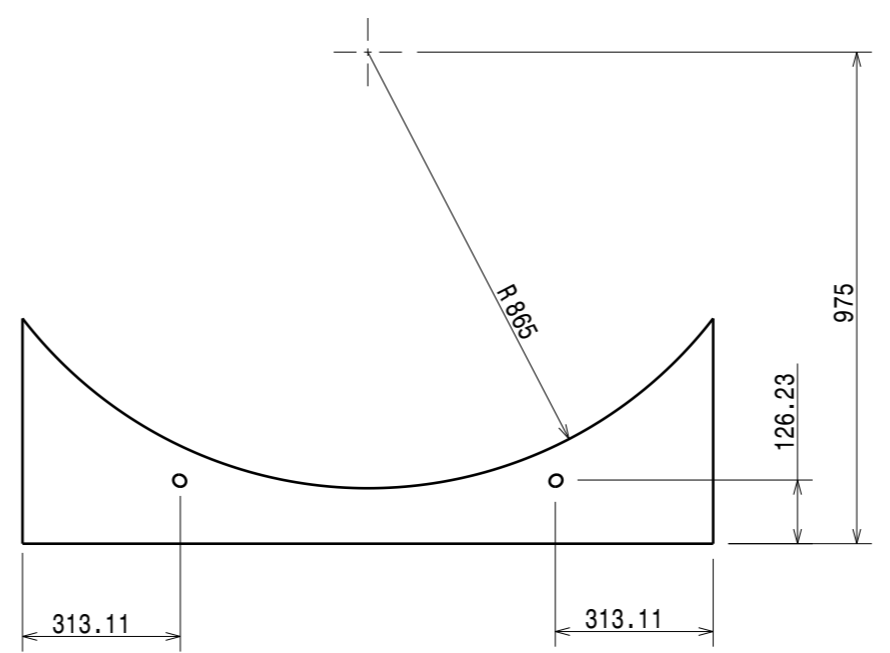
DRG. NO	▽ 8-25	▽ 1.6-8	▽ 0.025-1.6	▽ < 0.025	REVISION COLUMN					ASS'Y GROUP/ DIVISION: APD/IPR	SIZE A3	 INSTITUTE FOR PLASMA RESEARCH BHAT, GANDHINAGAR-382 428. INDIA			
CO-ORDINATED BY					REV	ZONE	DESCRIPTION	DATE	REMARKS	APPROVED BY	SCALE	NTS	DATE	 TITLE PART 5	
COMPONENT MANUFACTURING/FABRICATION AND ASSEMBLY AS PER ASME Y 14.5 AND ISO 2768											CHECKED	ATIK MISTRY	REF DRG NO: IPR/APD/20/A3/CBUTF/B	REV 00	
											APPROVED		DRG. NO	IPR/APD/20/A3/CBUTF/B/01	SHEET 06 OF 35

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H G F E D C B A

4

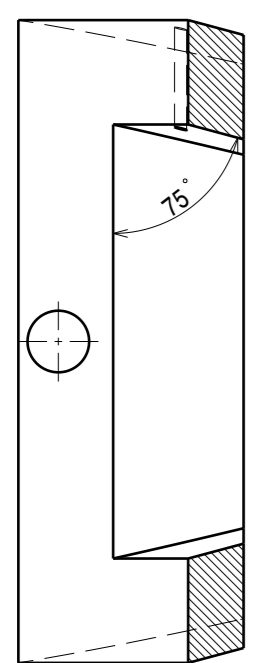
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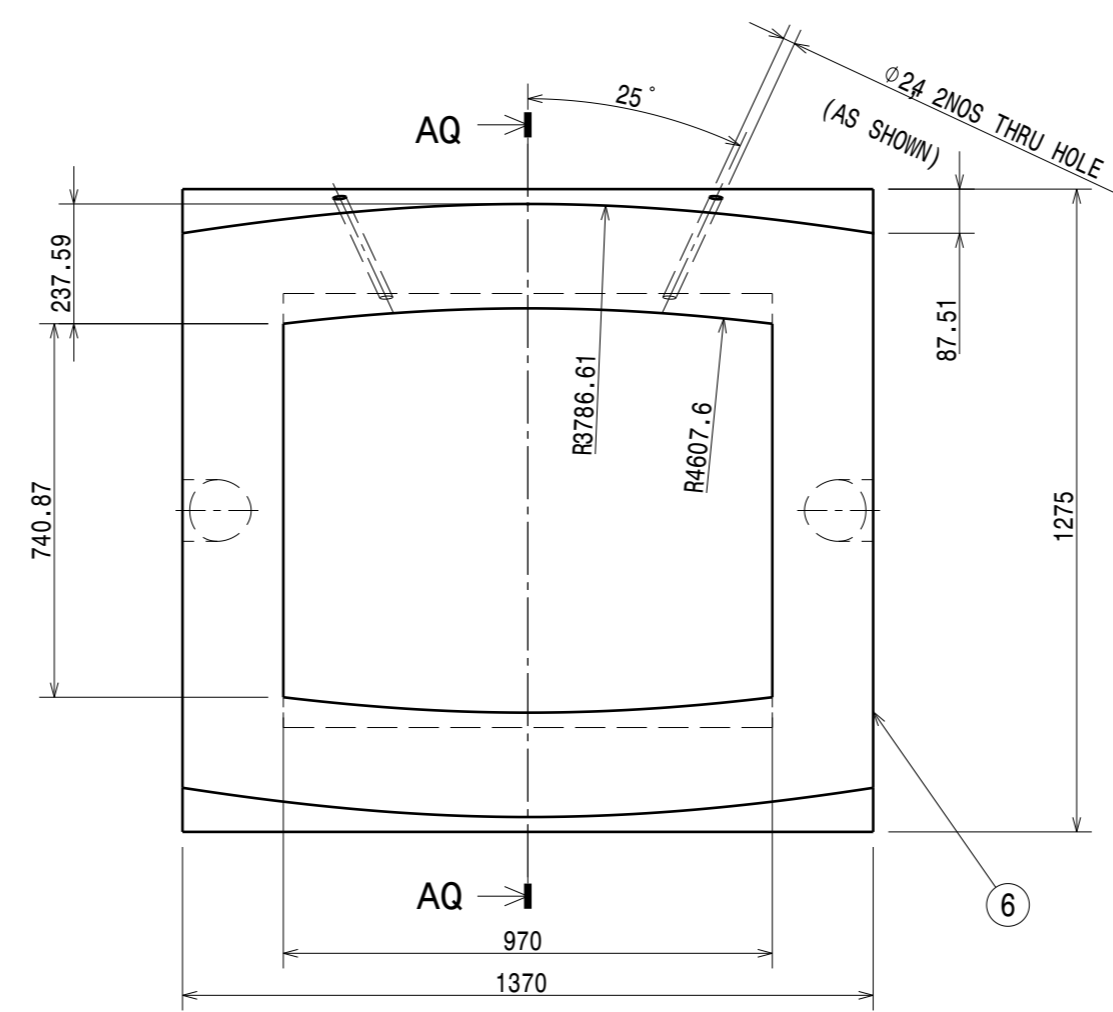
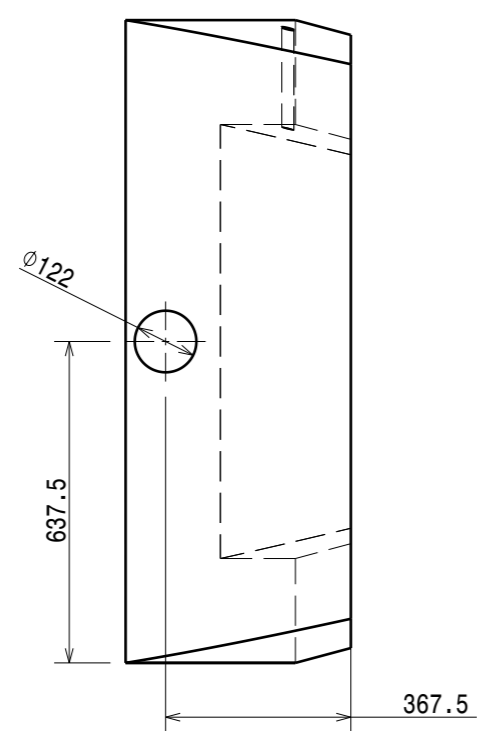
Isometric view

3

3



Section view AQ-AQ



2

2

DRG. NO	▽ 8-25	▽ 1.6-8	▽ 0.025-1.6	▽ < 0.025	REVISION COLUMN					ASS'Y GROUP/ DIVISION: APD/IPR	SIZE A3	INSTITUTE FOR PLASMA RESEARCH BHAT, GANDHINAGAR-382 428. INDIA				
CO-ORDINATED BY					REV	ZONE	DESCRIPTION	DATE	REMARKS	APPROVED BY	SCALE	NTS	DATE	TITLE		
COMPONENT MANUFACTURING/FABRICATION AND ASSEMBLY AS PER ASME Y 14.5 AND ISO 2768														 THIRD ANGLE PROJECTION	PART 6	
											DRAWN	SK PATNAIK				
											CHECKED	ATIK MISTRY				REF DRG NO: IPR/APD/20/A3/CBUTF/B
											APPROVED					REV 00
														DRG. NO	IPR/APD/20/A3/CBUTF/B/01	SHEET 7 OF 35

H G F E D C B A

1

1

H G F E D C B A

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3

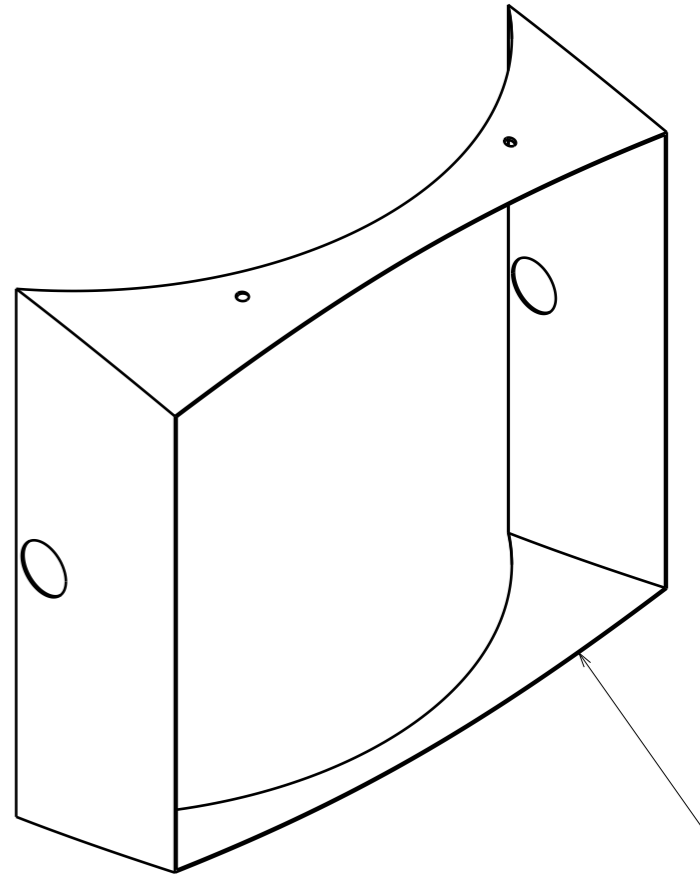
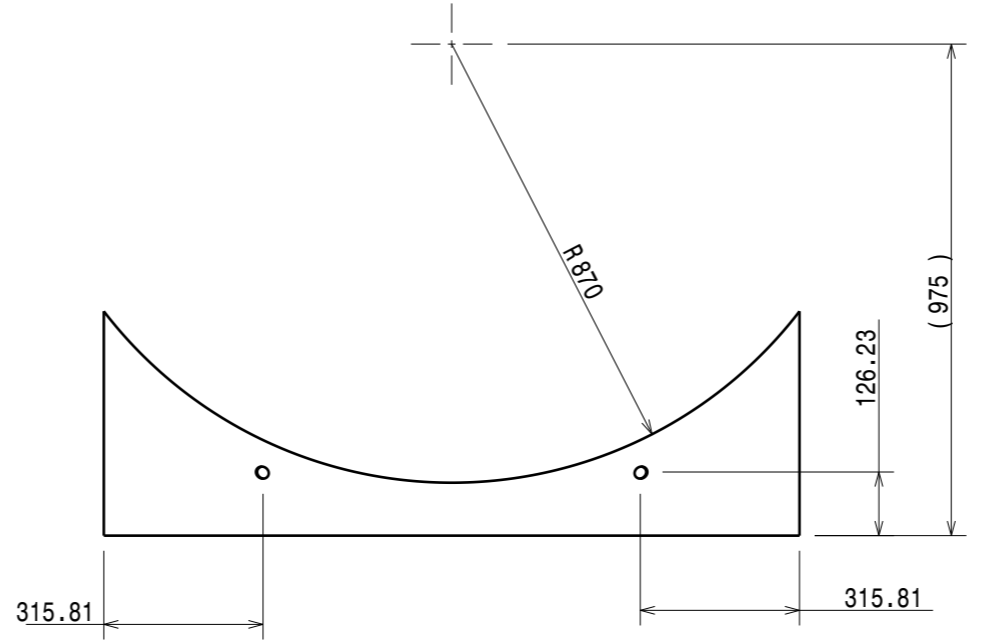
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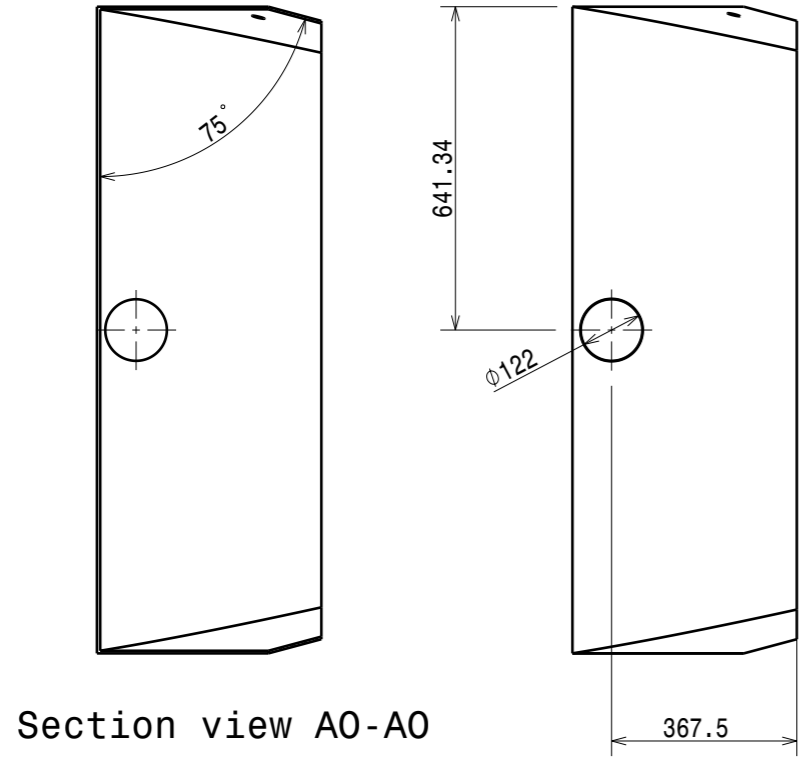
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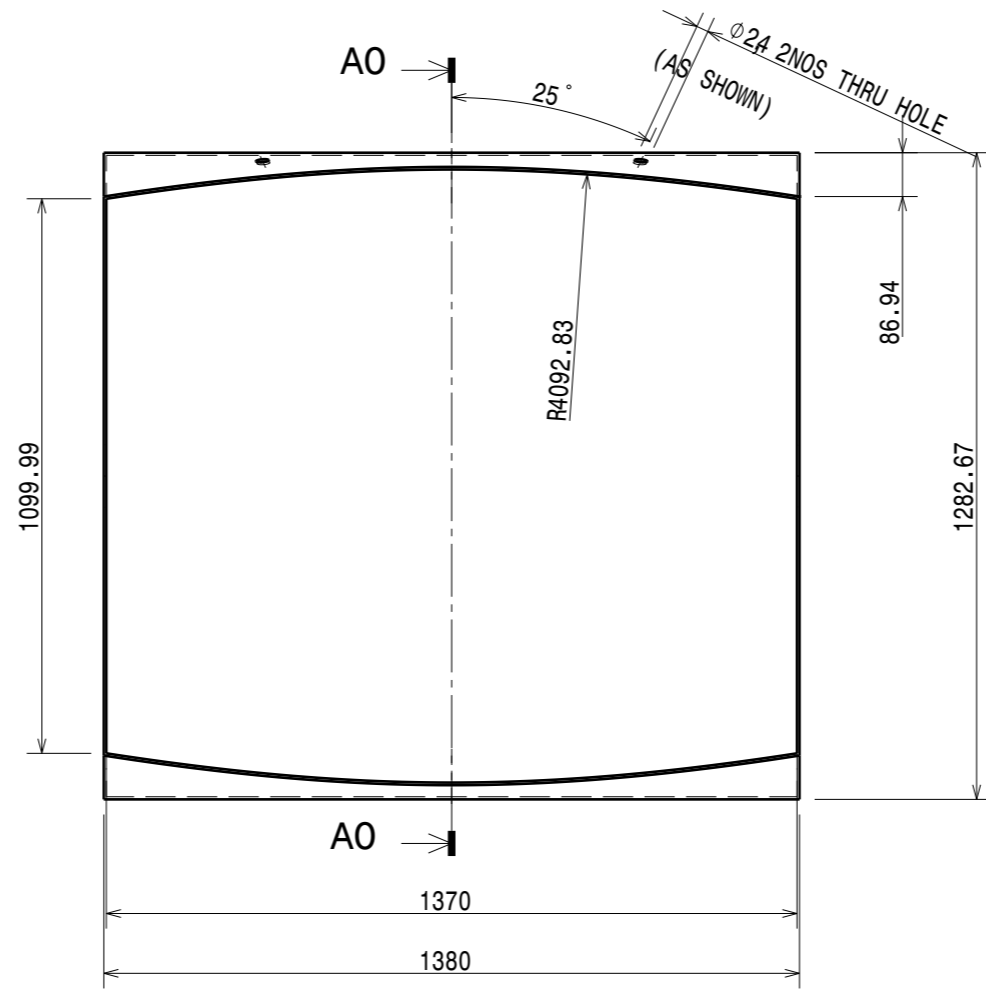
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Isometric view (7)



Section view A0-A0



DRG.NO	▽ 8-25	▽▽ 1.6-8	▽▽▽ 0.025-1.6	▽▽▽▽ < 0.025
CO-ORDINATED BY				
COMPONENT MANUFACTURING/FABRICATION AND ASSEMBLY AS PER ASME Y 14.5 AND ISO 2768				

REVISION COLUMN					
REV	ZONE	DESCRIPTION	DATE	REMARKS	APPROVED BY

ASS'Y GROUP/ DIVISION: APD/IPR	SIZE A3	
ALL DIMENSIONS ARE IN 'mm' UNLESS OTHERWISE STATED		
SCALE	NTS	DATE
DRAWN	SK PATNAIK	
CHECKED	ATIK MISTRY	
APPROVED		

INSTITUTE FOR PLASMA RESEARCH
BHAT, GANDHINAGAR-382 428.
INDIA

TITLE: **PART 7**

THIRD ANGLE PROJECTION

REF DRG NO: IPR/APD/20/A3/CBUTF/B

REV 00

DRG.NO IPR/APD/20/A3/CBUTF/B/01

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H G F E D C B A

4

3

2

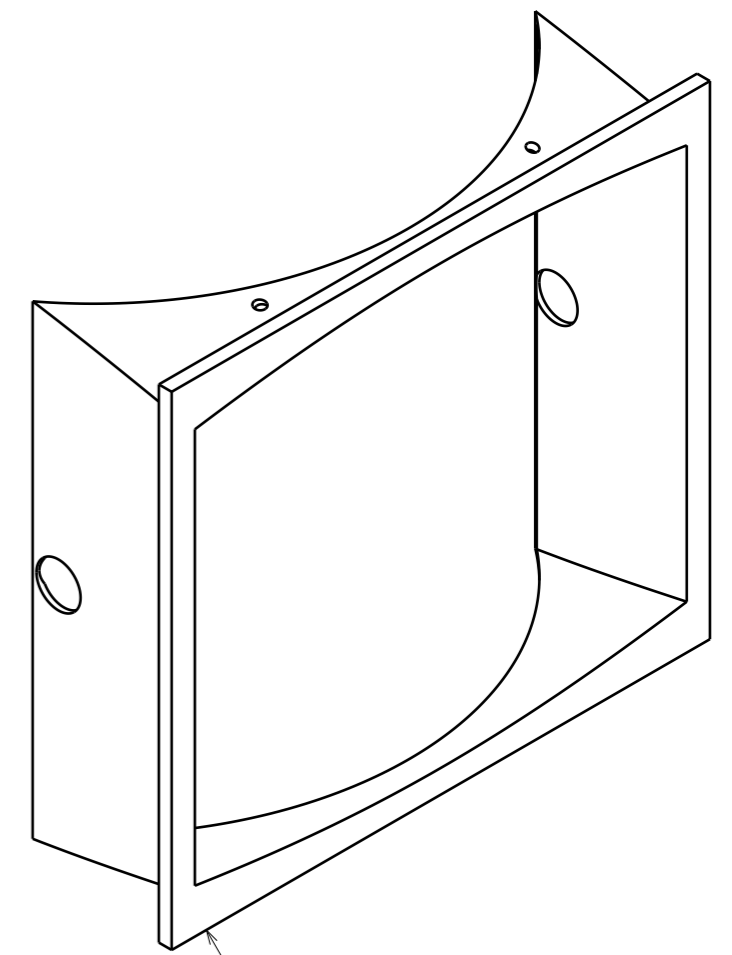
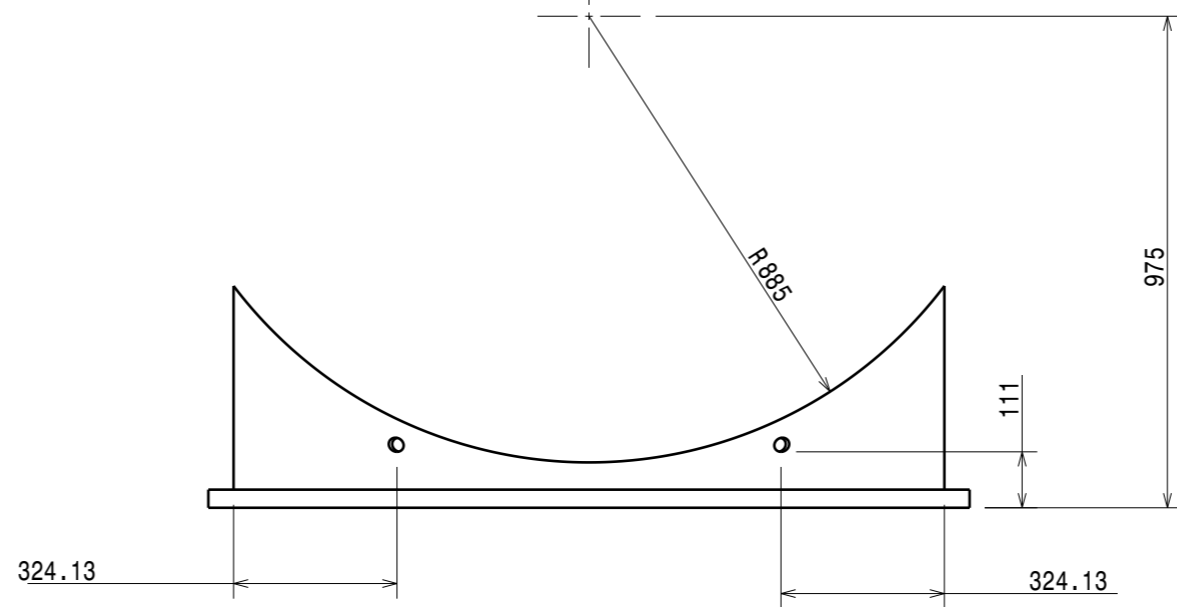
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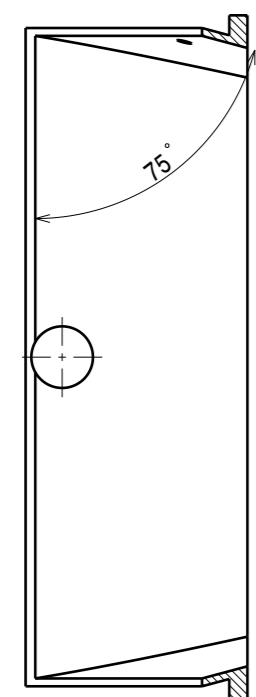
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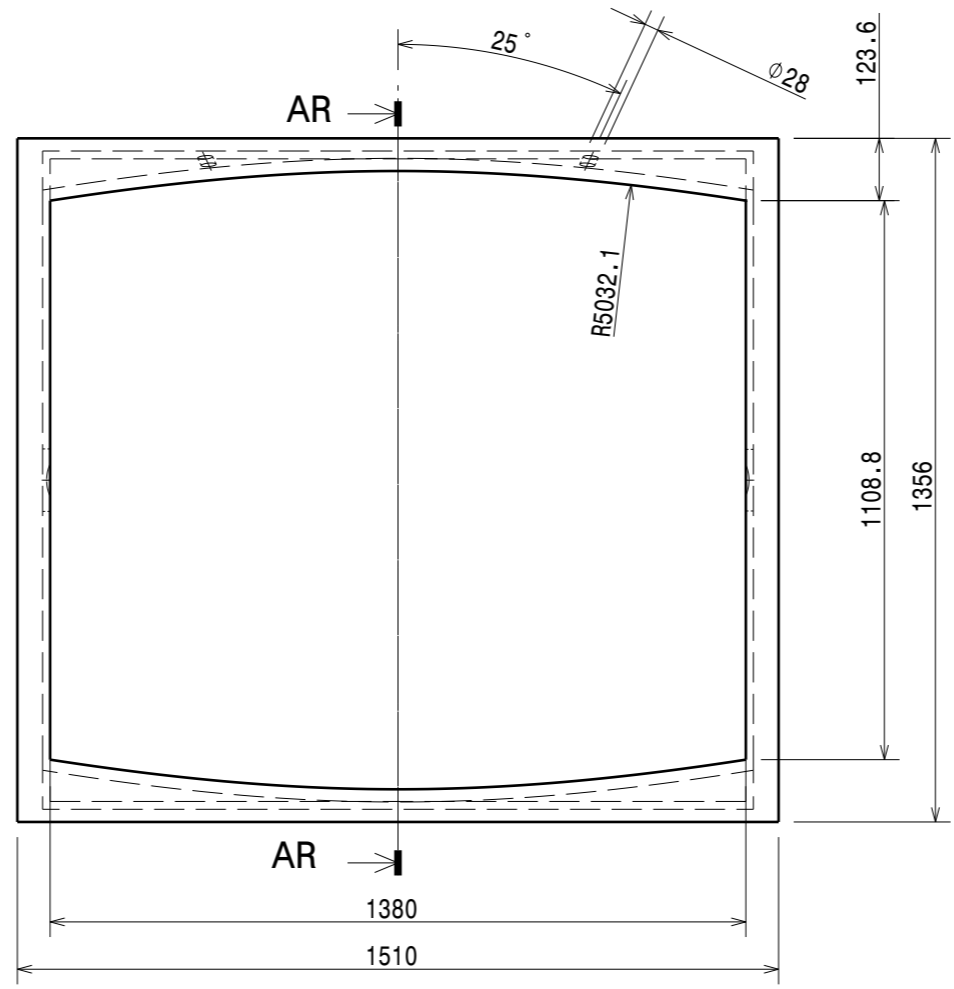
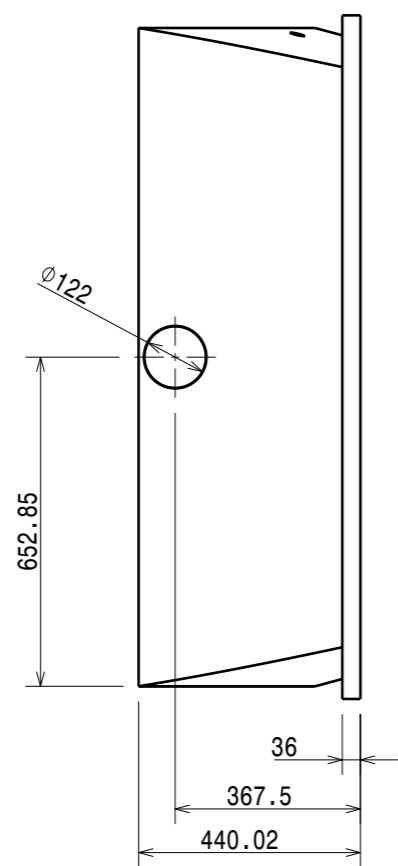
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Isometric view



Section view AR-AR



DRG.NO	▽ 8-25	▽▽ 1.6-8	▽▽▽ 0.025-1.6	▽▽▽▽ < 0.025
CO-ORDINATED BY				
COMPONENT MANUFACTURING/FABRICATION AND ASSEMBLY AS PER ASME Y 14.5 AND ISO 2768				

REVISION COLUMN				
REV	ZONE	DESCRIPTION	DATE	REMARKS

ASS'Y GROUP/ DIVISION: APD/IPR	SIZE A3
ALL DIMENSIONS ARE IN 'mm' UNLESS OTHERWISE STATED	
SCALE	NTS
DRAWN	SK PATNAIK
CHECKED	ATIK MISTRY
APPROVED	

INSTITUTE FOR PLASMA RESEARCH
BHAT, GANDHINAGAR-382 428.
INDIA

TITLE
PART 8

REF DRG NO: IPR/APD/20/A3/CBUTF/B

REV 00

DRG.NO IPR/APD/20/A3/CBUTF/B/01

SHEET 09 OF 35

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H G F E D C B A

4

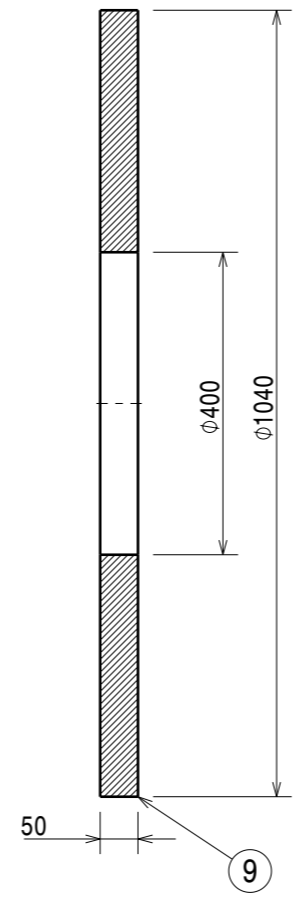
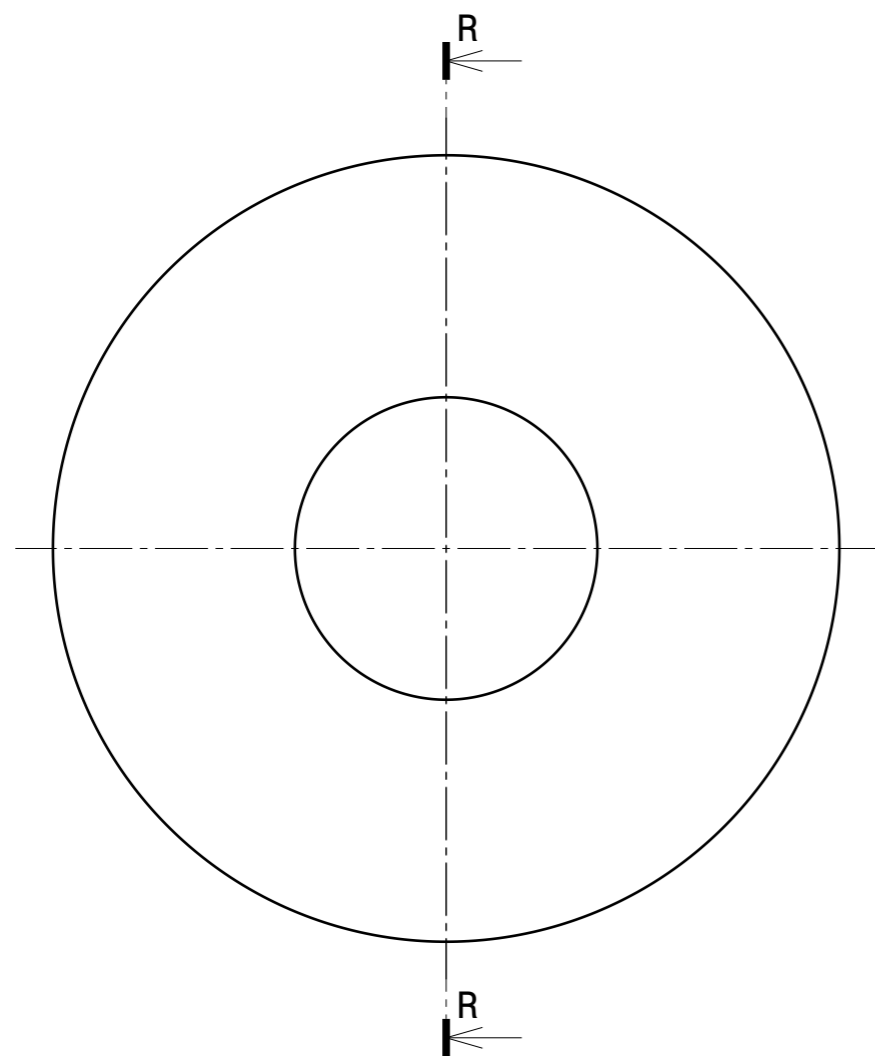
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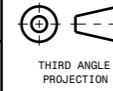
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2

2



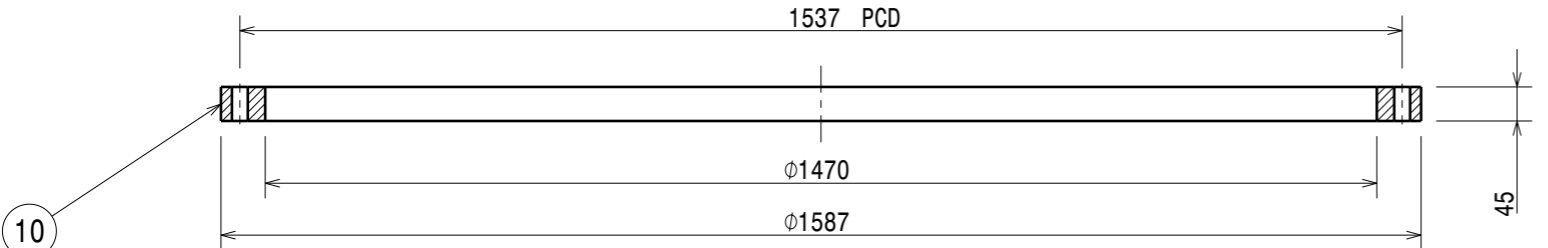
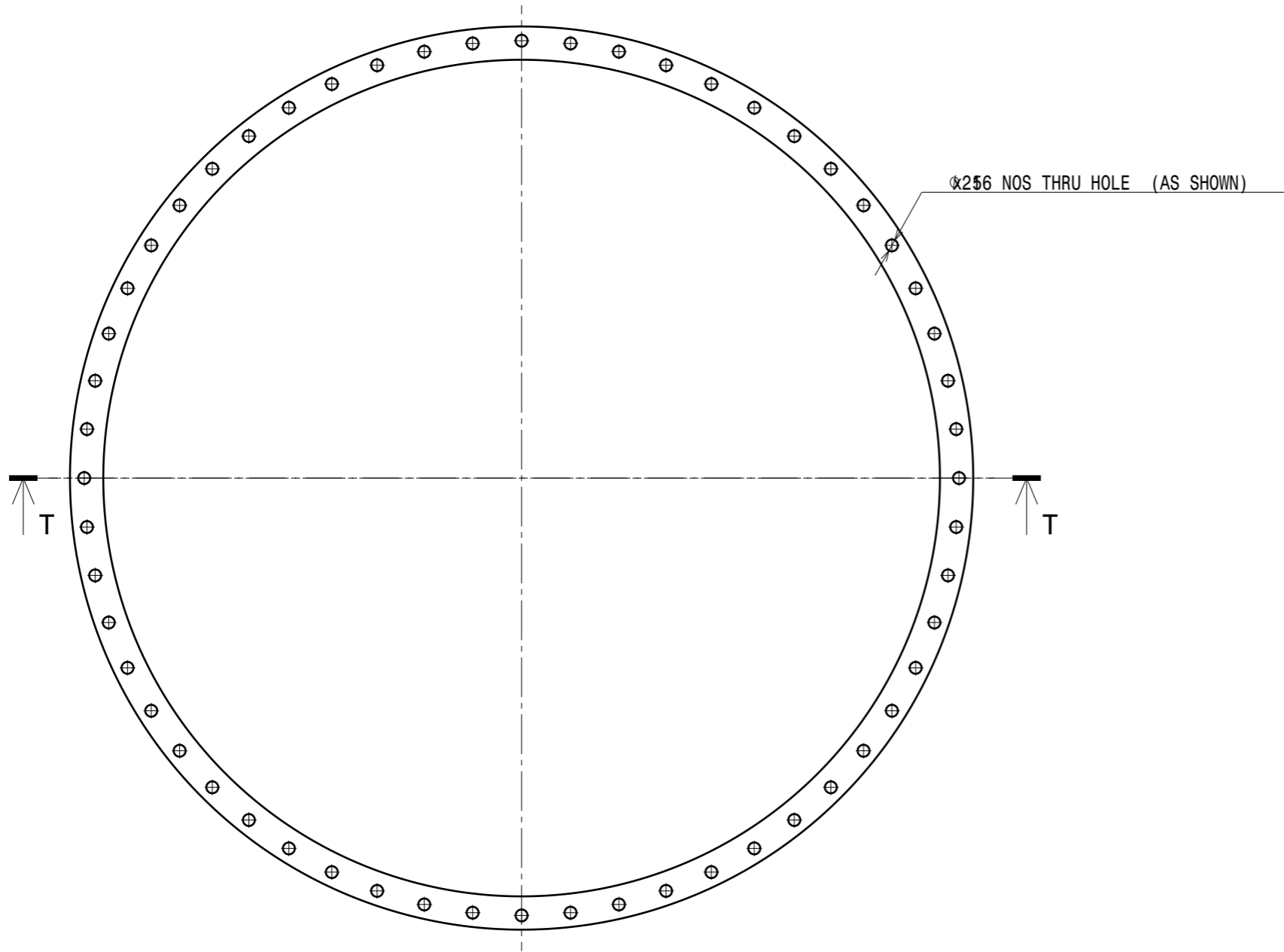
Section view R-R

DRG.NO	▽ 8-25	▽▽ 1.6-8	▽▽▽ 0.025-1.6	▽▽▽▽ < 0.025	REVISION COLUMN					ASS'Y GROUP/ DIVISION: APD/IPR	SIZE A3	 INSTITUTE FOR PLASMA RESEARCH BHAT, GANDHINAGAR-382 428. INDIA			
CO-ORDINATED BY					REV	ZONE	DESCRIPTION	DATE	REMARKS	APPROVED BY	ALL DIMENSIONS ARE IN 'mm' UNLESS OTHERWISE STATED		 THIRD ANGLE PROJECTION	TITLE	
COMPONENT MANUFACTURING/FABRICATION AND ASSEMBLY AS PER ASME Y 14.5 AND ISO 2768											SCALE	NTS	DATE	PART 9	
											DRAWN	SK PATNAIK			
											CHECKED	ATIK MISTRY		REF DRG NO: IPR/APD/20/A3/CBUTF/B	REV 00
											APPROVED			DRG.NO IPR/APD/20/A3/CBUTF/B/01	SHEET 10 OF 35

H G F E D C B A


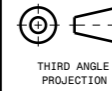
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Section view T-T

- NOTES :-
1. INTEGRAL TYPE FLANGE SHOULD BE FABRICATED.
 2. RAISED FACE THICKNESS OF 2 mm SHALL BE MACHINED IN EXCESS OF FLANGE THICKNESS.

DRG.NO	▽ 8-25	▽▽ 1.6-8	▽▽▽ 0.025-1.6	▽▽▽▽ < 0.025	REVISION COLUMN					ASS'Y GROUP/ DIVISION: APD/IPR	SIZE A3	 INSTITUTE FOR PLASMA RESEARCH BHAT, GANDHINAGAR-382 428. INDIA							
CO-ORDINATED BY					REV	ZONE	DESCRIPTION	DATE	REMARKS	APPROVED BY	ALL DIMENSIONS ARE IN 'mm' UNLESS OTHERWISE STATED		SCALE	NTS	DATE	 TITLE PART 10			
COMPONENT MANUFACTURING/FABRICATION AND ASSEMBLY AS PER ASME Y 14.5 AND ISO 2768											DRAWN	SK PATNAIK							
											CHECKED	ATIK MISTRY			REF DRG NO: IPR/APD/20/A3/CBUTF/B	REV 00			
											APPROVED			DRG.NO	IPR/APD/20/A3/CBUTF/B/01	SHEET 11 OF 35			

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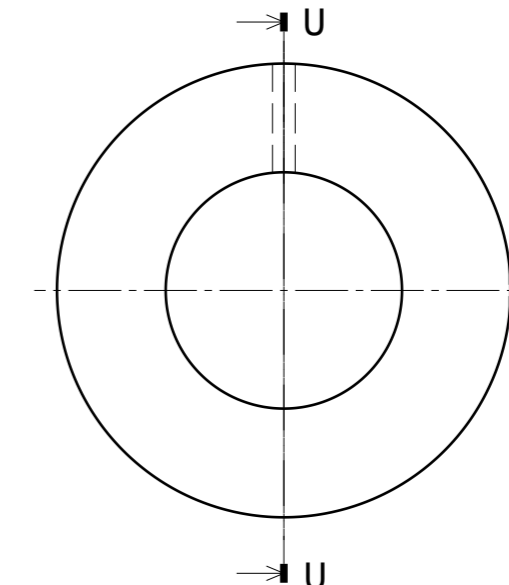
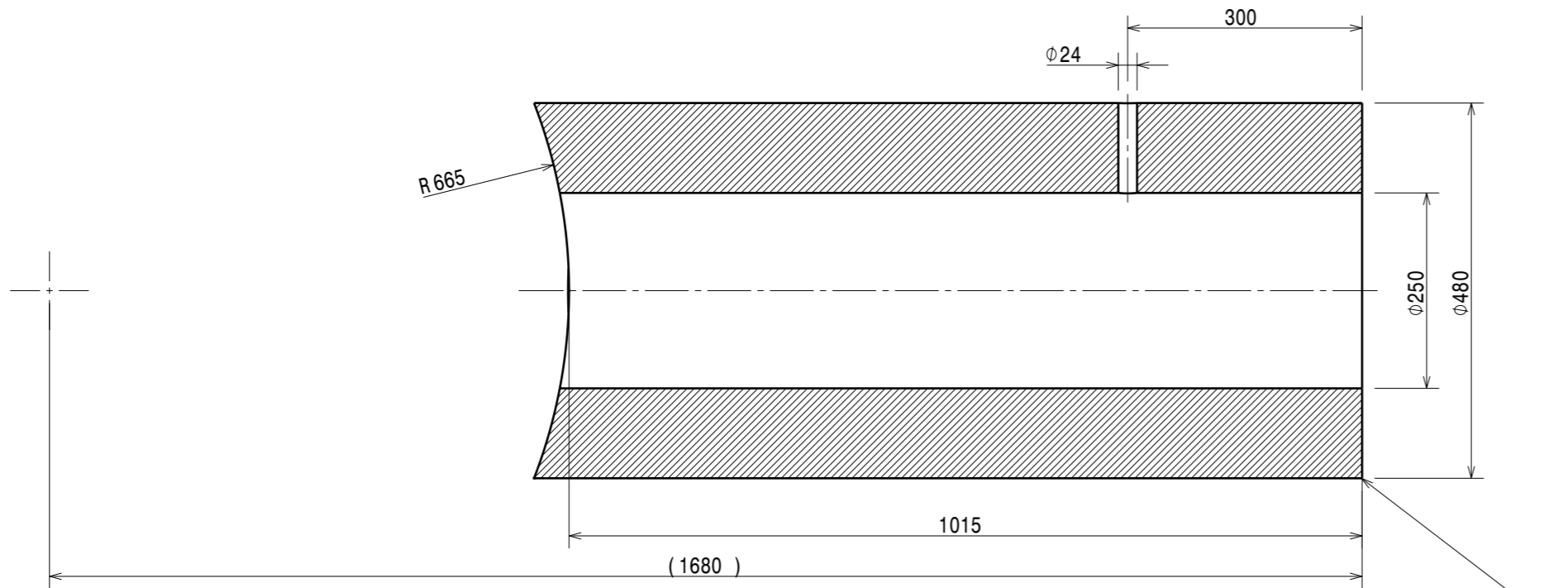
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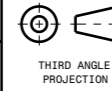
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Section view U-U

11

DRG.NO	▽ 8-25	▽▽ 1.6-8	▽▽▽ 0.025-1.6	▽▽▽▽ < 0.025	REVISION COLUMN					ASS'Y GROUP/ DIVISION: APD/IPR	SIZE A3	 INSTITUTE FOR PLASMA RESEARCH BHAT, GANDHINAGAR-382 428. INDIA			
CO-ORDINATED BY					REV	ZONE	DESCRIPTION	DATE	REMARKS	APPROVED BY	ALL DIMENSIONS ARE IN 'mm' UNLESS OTHERWISE STATED		 TITLE PART 11		
COMPONENT MANUFACTURING/FABRICATION AND ASSEMBLY AS PER ASME Y 14.5 AND ISO 2768											SCALE	NTS	DATE	REF DRG NO: IPR/APD/20/A3/CBUTF/B	REV 00
											DRAWN	SK PATNAIK			
											CHECKED	ATIK MISTRY			
											APPROVED				
											DRG.NO	IPR/APD/20/A3/CBUTF/B/01		SHEET 12 OF 35	

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H G F E D C B A

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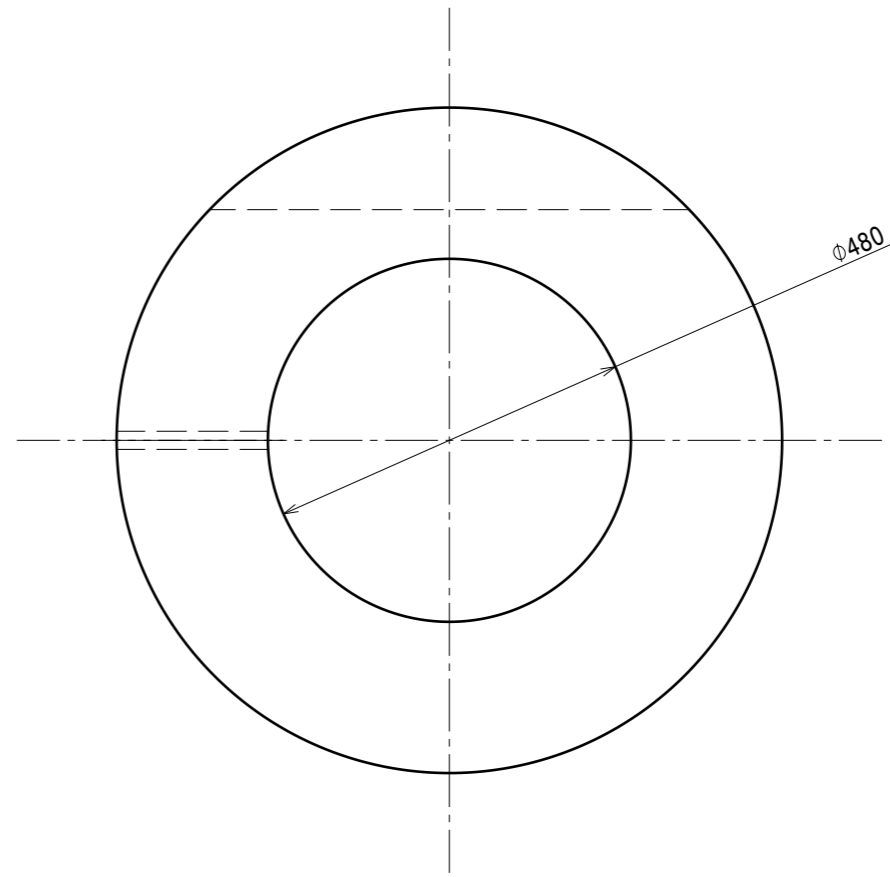
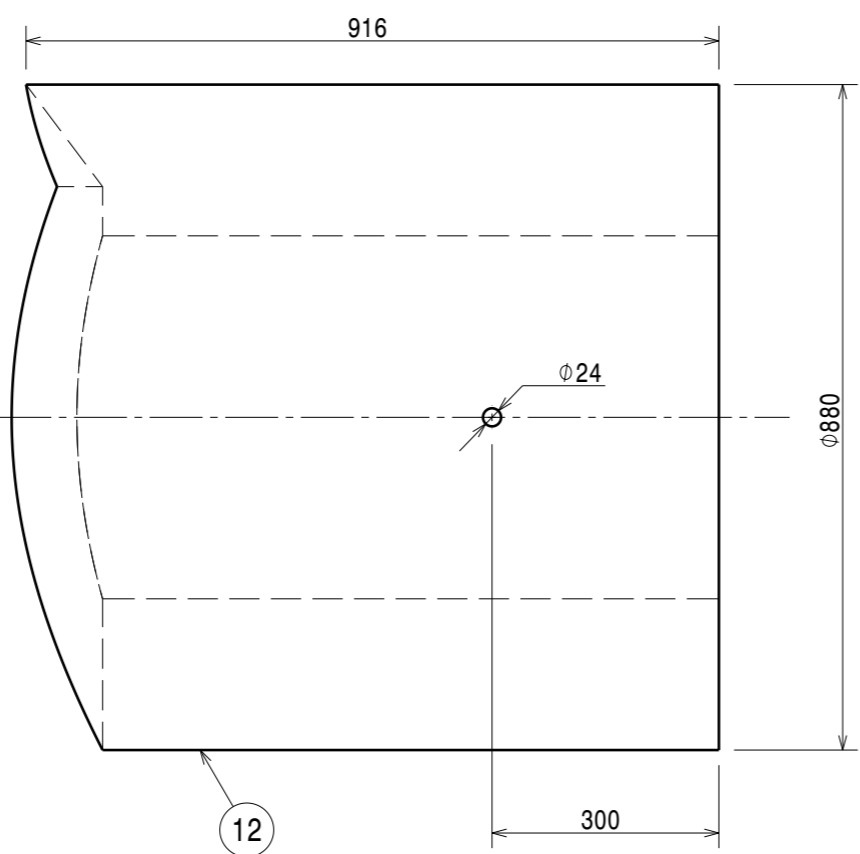
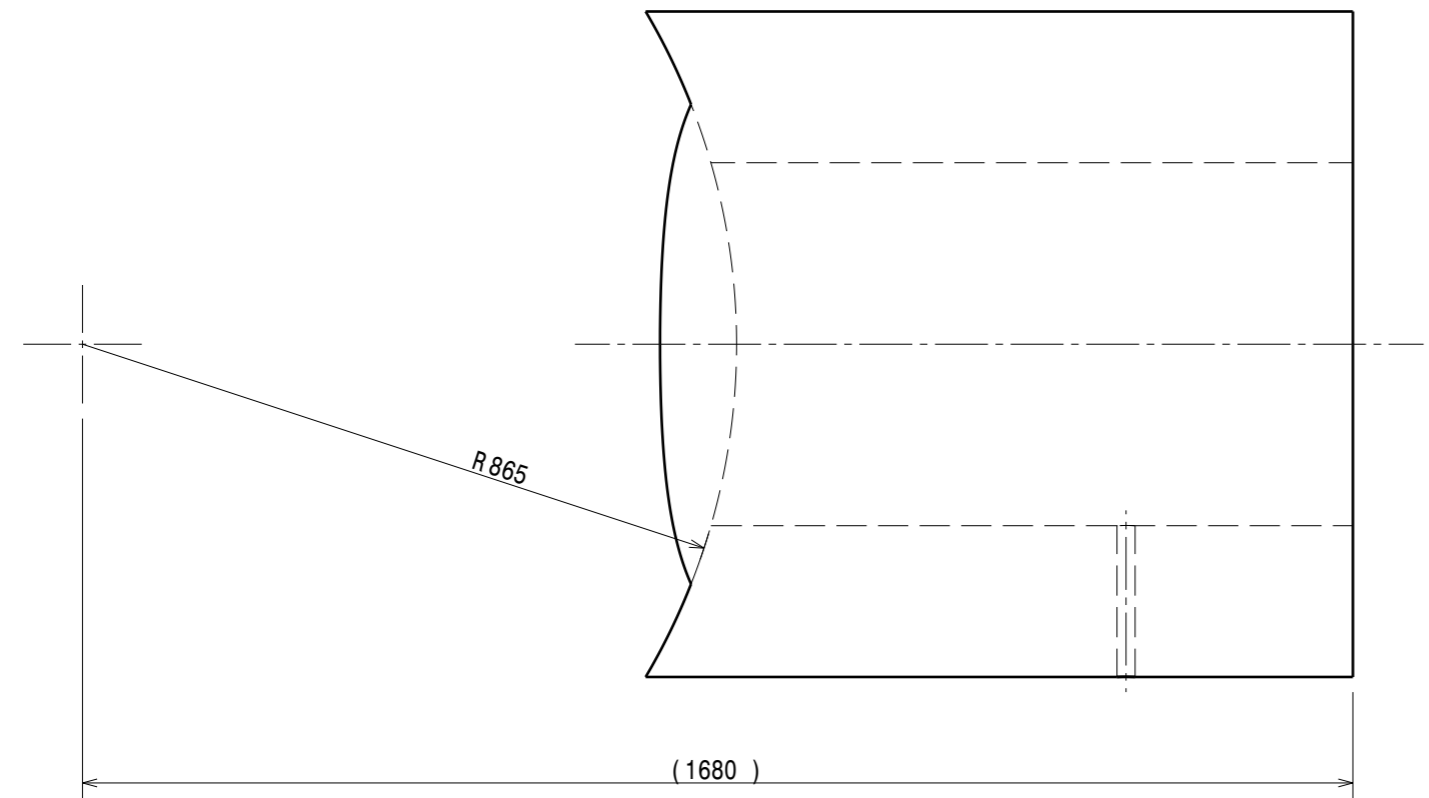
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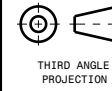
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DRG.NO	▽ 8-25	▽▽ 1.6-8	▽▽▽ 0.025-1.6	▽▽▽▽ < 0.025	REVISION COLUMN					ASS'Y GROUP/ DIVISION: APD/IPR	SIZE A3	 INSTITUTE FOR PLASMA RESEARCH BHAT, GANDHINAGAR-382 428. INDIA		
CO-ORDINATED BY					REV	ZONE	DESCRIPTION	DATE	REMARKS	APPROVED BY	SCALE		NTS	DATE
COMPONENT MANUFACTURING/FABRICATION AND ASSEMBLY AS PER ASME Y 14.5 AND ISO 2768											 THIRD ANGLE PROJECTION	PART 12		
											CHECKED	ATIK MISTRY	REF DRG NO: IPR/APD/20/A3/CBUTF/B	REV 00
											APPROVED		DRG.NO IPR/APD/20/A3/CBUTF/B/01	SHEET 13 OF 35

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H G F E D C B A

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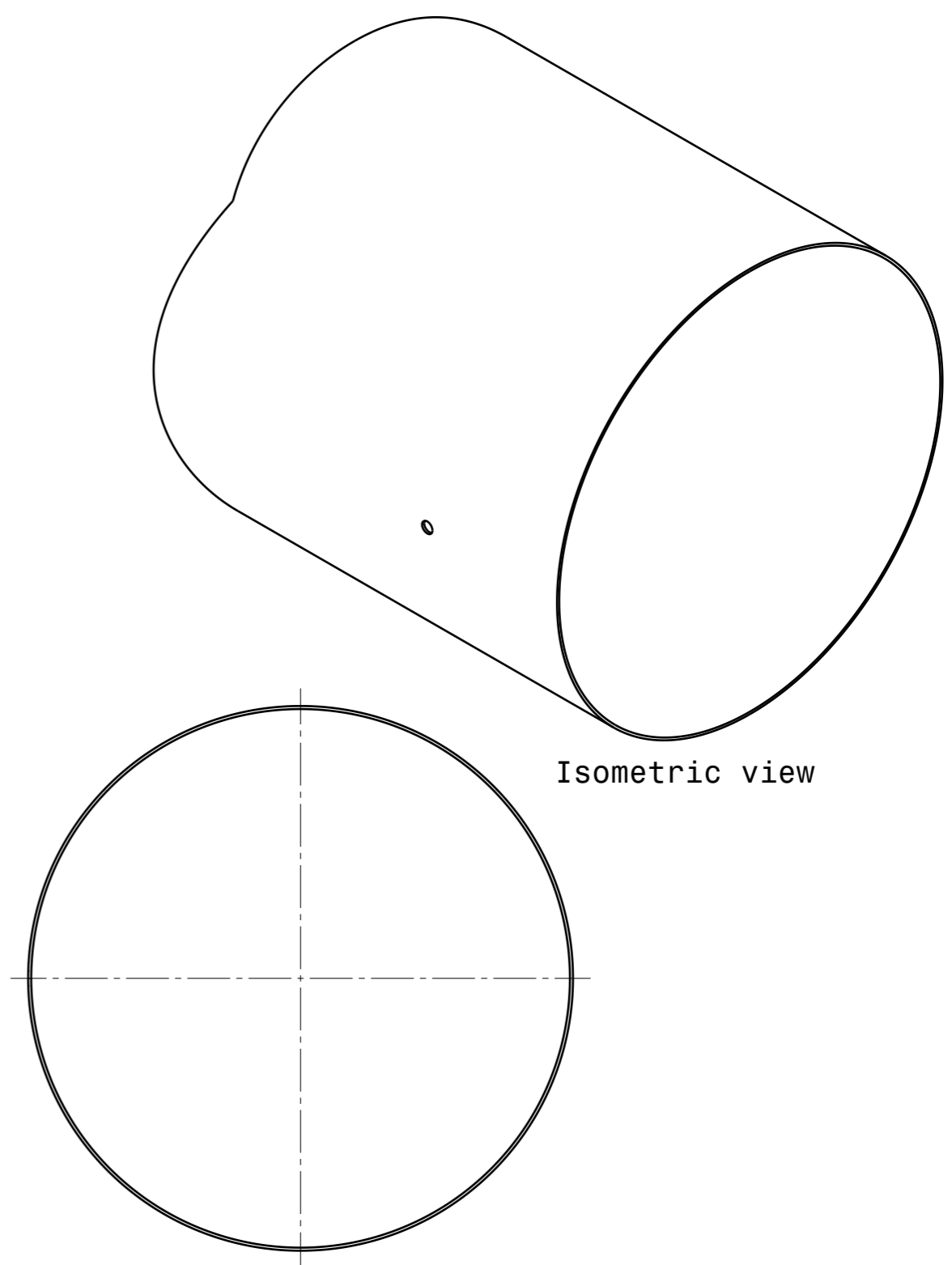
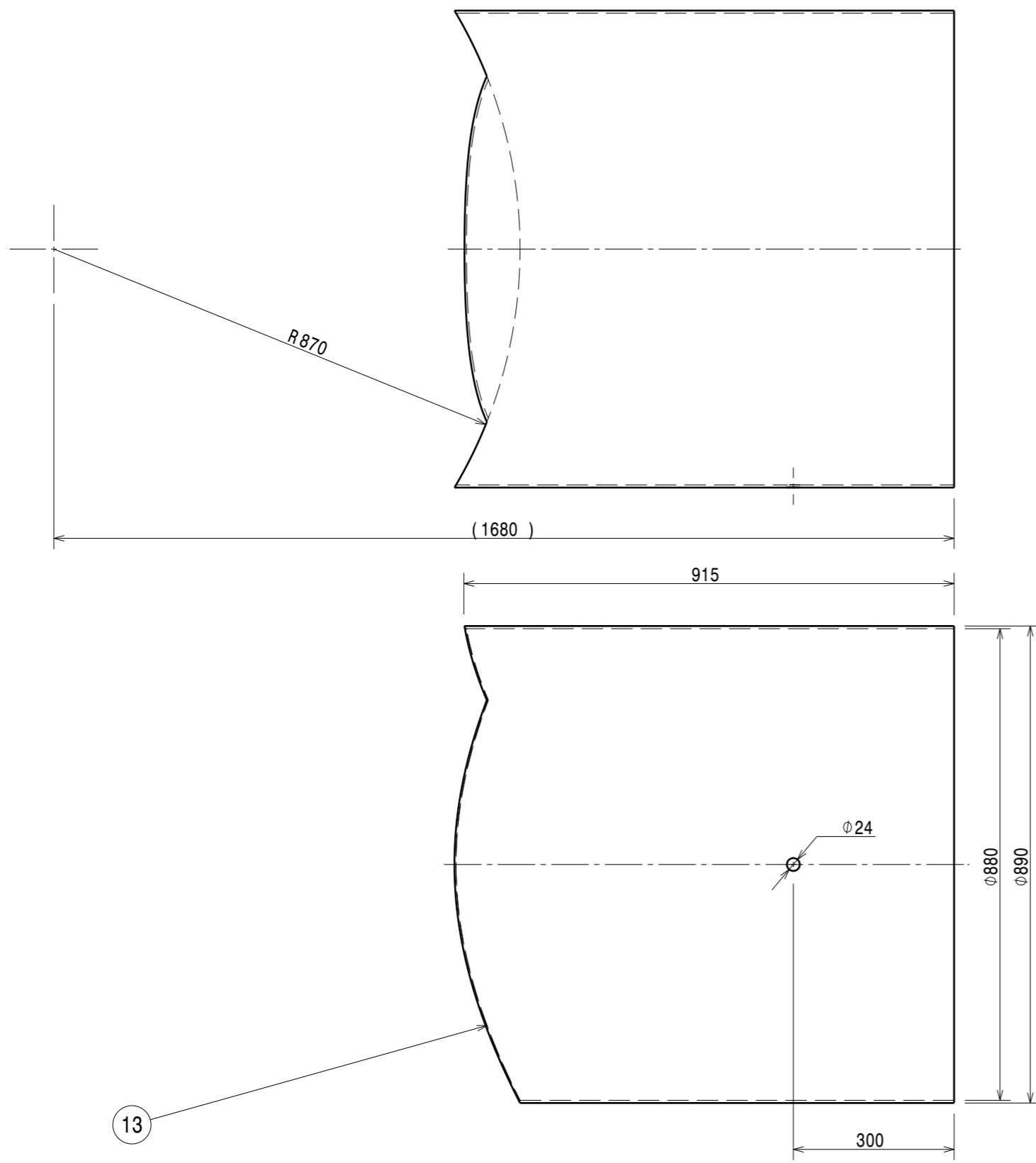
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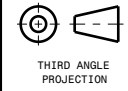
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DRG. NO	▽ 8-25	▽▽ 1.6-8	▽▽▽ 0.025-1.6	▽▽▽▽ < 0.025	REVISION COLUMN					ASS'Y GROUP/ DIVISION: APD/IPR	SIZE A3	 INSTITUTE FOR PLASMA RESEARCH BHAT, GANDHINAGAR-382 428. INDIA			
CO-ORDINATED BY					REV	ZONE	DESCRIPTION	DATE	REMARKS	APPROVED BY	ALL DIMENSIONS ARE IN 'mm' UNLESS OTHERWISE STATED		TITLE		
COMPONENT MANUFACTURING/FABRICATION AND ASSEMBLY AS PER ASME Y 14.5 AND ISO 2768											SCALE		NTS	DATE	 PART 13
											DRAWN		SK PATNAIK		
											CHECKED		ATIK MISTRY		
											APPROVED				
												REF DRG NO: IPR/APD/20/A3/CBUTF/B	REV 00		
												DRG. NO	IPR/APD/20/A3/CBUTF/B/01	SHEET 14 OF 35	

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H G F E D C B A

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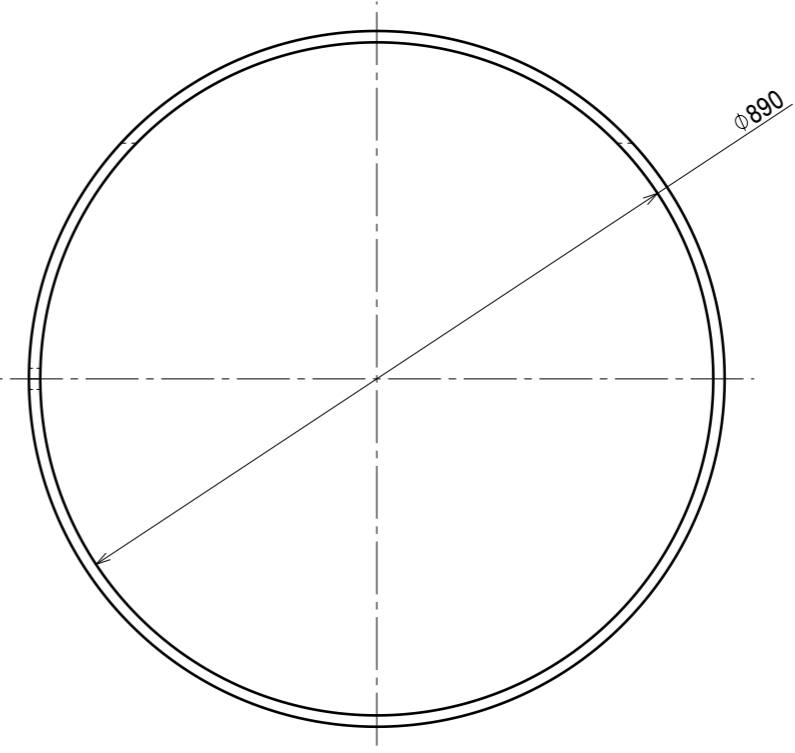
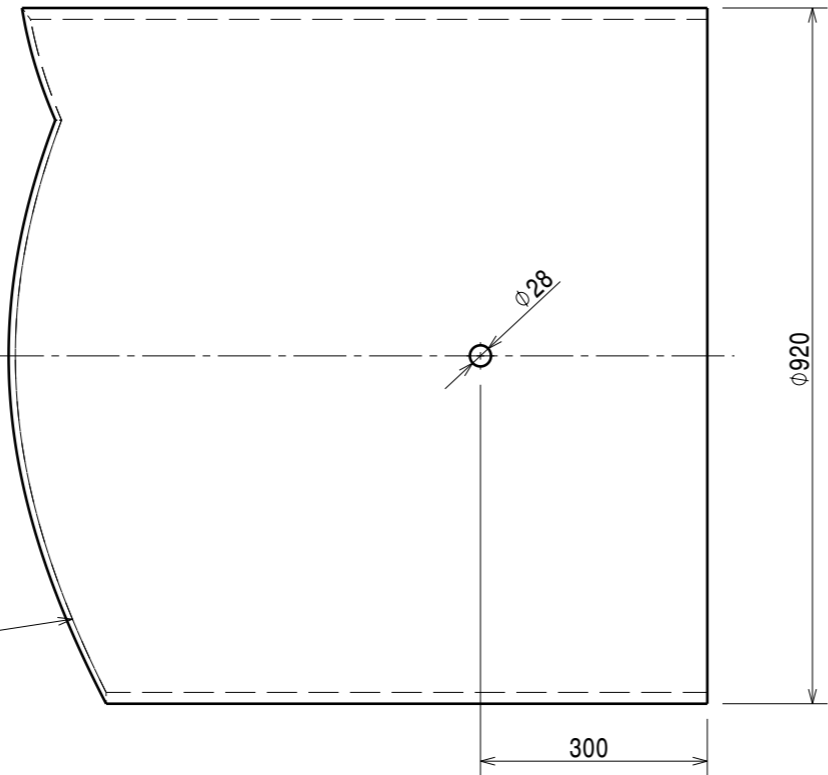
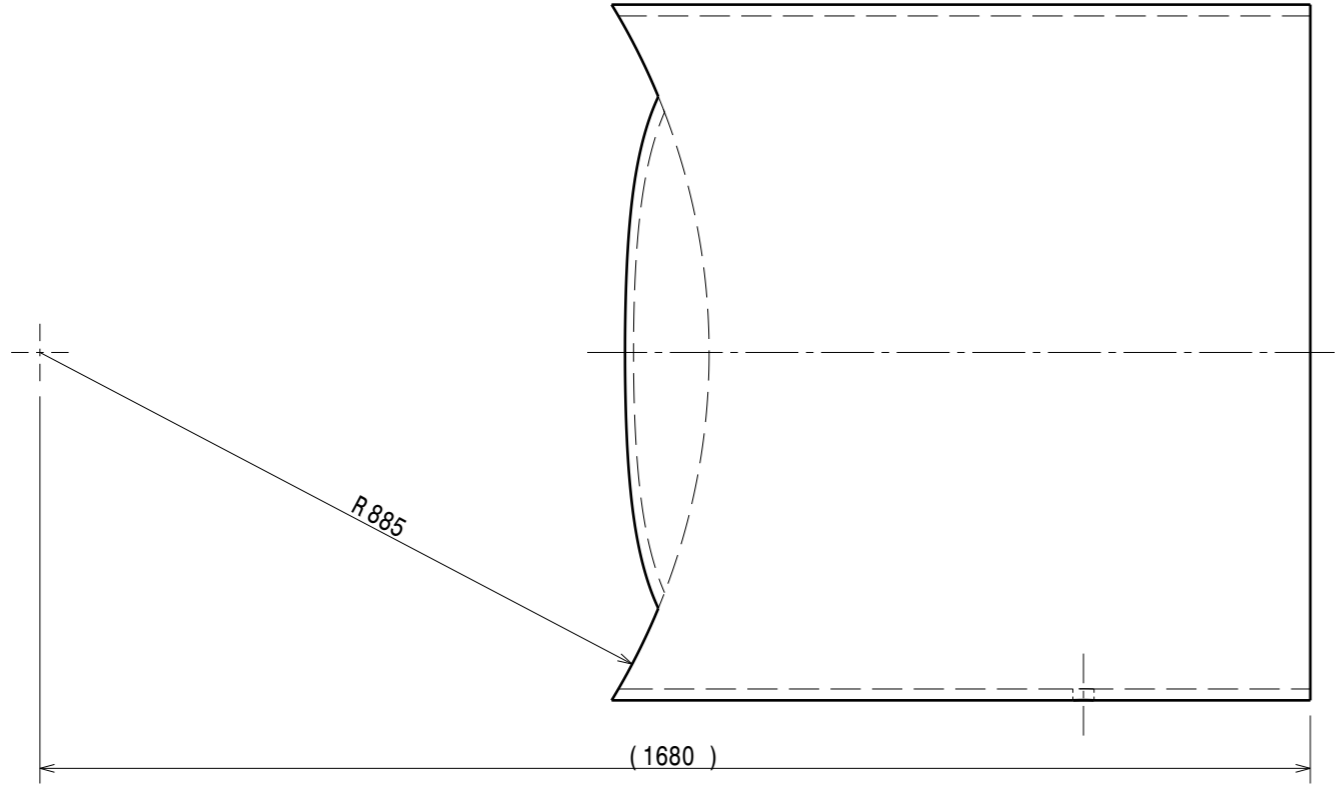
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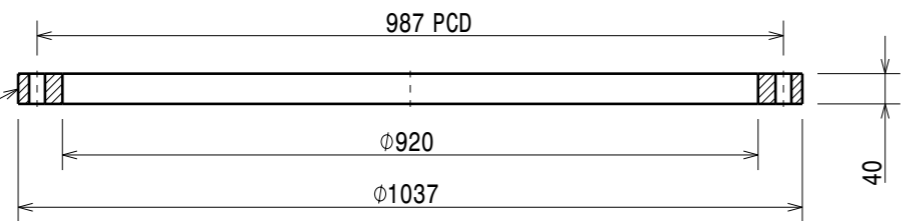
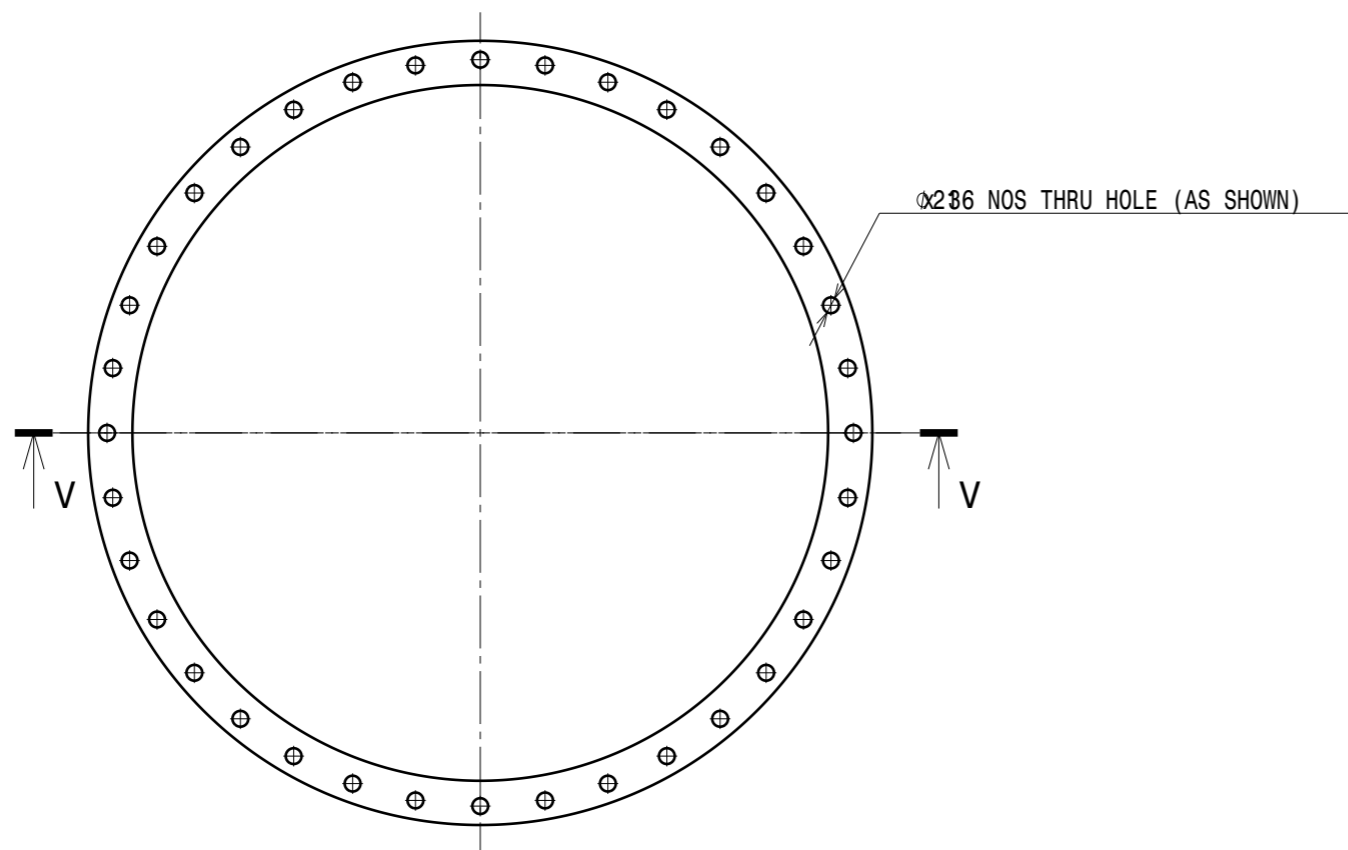
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DRG. NO	▽ 8-25	▽▽ 1.6-8	▽▽▽ 0.025-1.6	▽▽▽▽ < 0.025	REVISION COLUMN					ASS'Y GROUP/ DIVISION: APD/IPR	SIZE A3	INSTITUTE FOR PLASMA RESEARCH BHAT, GANDHINAGAR-382 428. INDIA			
CO-ORDINATED BY					REV	ZONE	DESCRIPTION	DATE	REMARKS	APPROVED BY	ALL DIMENSIONS ARE IN 'mm' UNLESS OTHERWISE STATED	SCALE	NTS	DATE	TITLE
COMPONENT MANUFACTURING/FABRICATION AND ASSEMBLY AS PER ASME Y 14.5 AND ISO 2768											THIRD ANGLE PROJECTION	PART 14			
											CHECKED	ATIK MISTRY		REF DRG NO: IPR/APD/20/A3/CBUTF/B	REV 00
											APPROVED			DRG. NO IPR/APD/20/A3/CBUTF/B/01	SHEET 15 OF 35


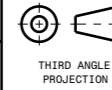
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Section view V-V

- NOTES :-
1. INTIGRAL TYPE FLANGE SHOULD BE FABRICATED.
 2. RAISED FACE THICKNESS OF 2 mm SHALL BE MACHINED IN EXCESS OF FLANGE THICKNESS.

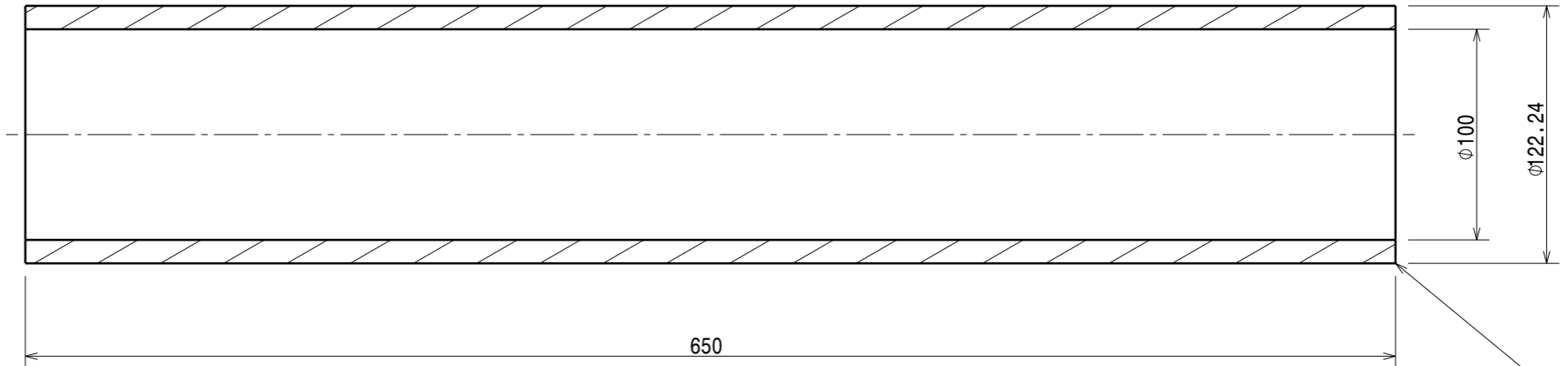
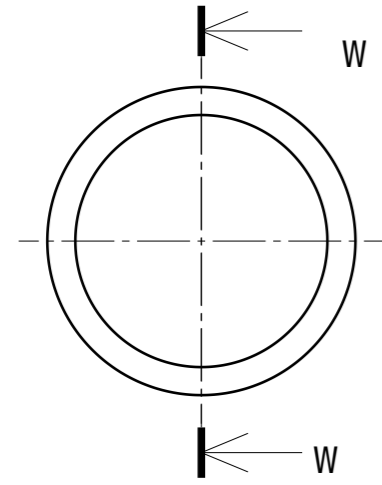
DRG.NO	▽ 8-25	▽▽ 1.6-8	▽▽▽ 0.025-1.6	▽▽▽▽ < 0.025	REVISION COLUMN					ASS'Y GROUP/ DIVISION: APD/IPR	SIZE A3	 INSTITUTE FOR PLASMA RESEARCH BHAT, GANDHINAGAR-382 428. INDIA			
CO-ORDINATED BY					REV	ZONE	DESCRIPTION	DATE	REMARKS	APPROVED BY	ALL DIMENSIONS ARE IN 'mm' UNLESS OTHERWISE STATED		 TITLE PART 15		
COMPONENT MANUFACTURING/FABRICATION AND ASSEMBLY AS PER ASME Y 14.5 AND ISO 2768											SCALE	NTS	DATE	REF DRG NO: IPR/APD/20/A3/CBUTF/B	REV 00
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											CHECKED	ATIK MISTRY			SHEET 16 OF 35
											APPROVED				

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Section view W-W

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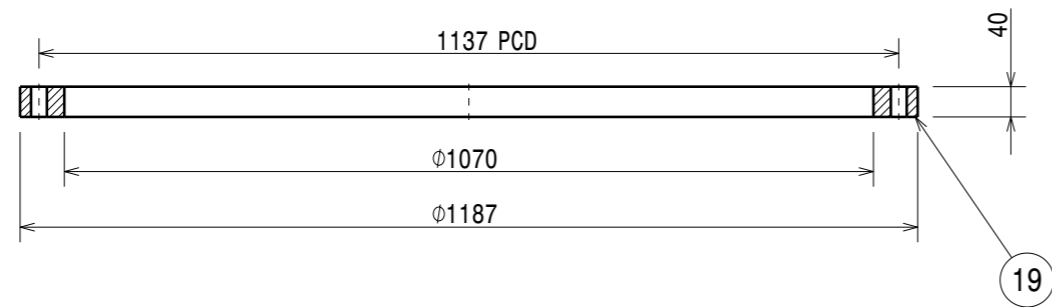
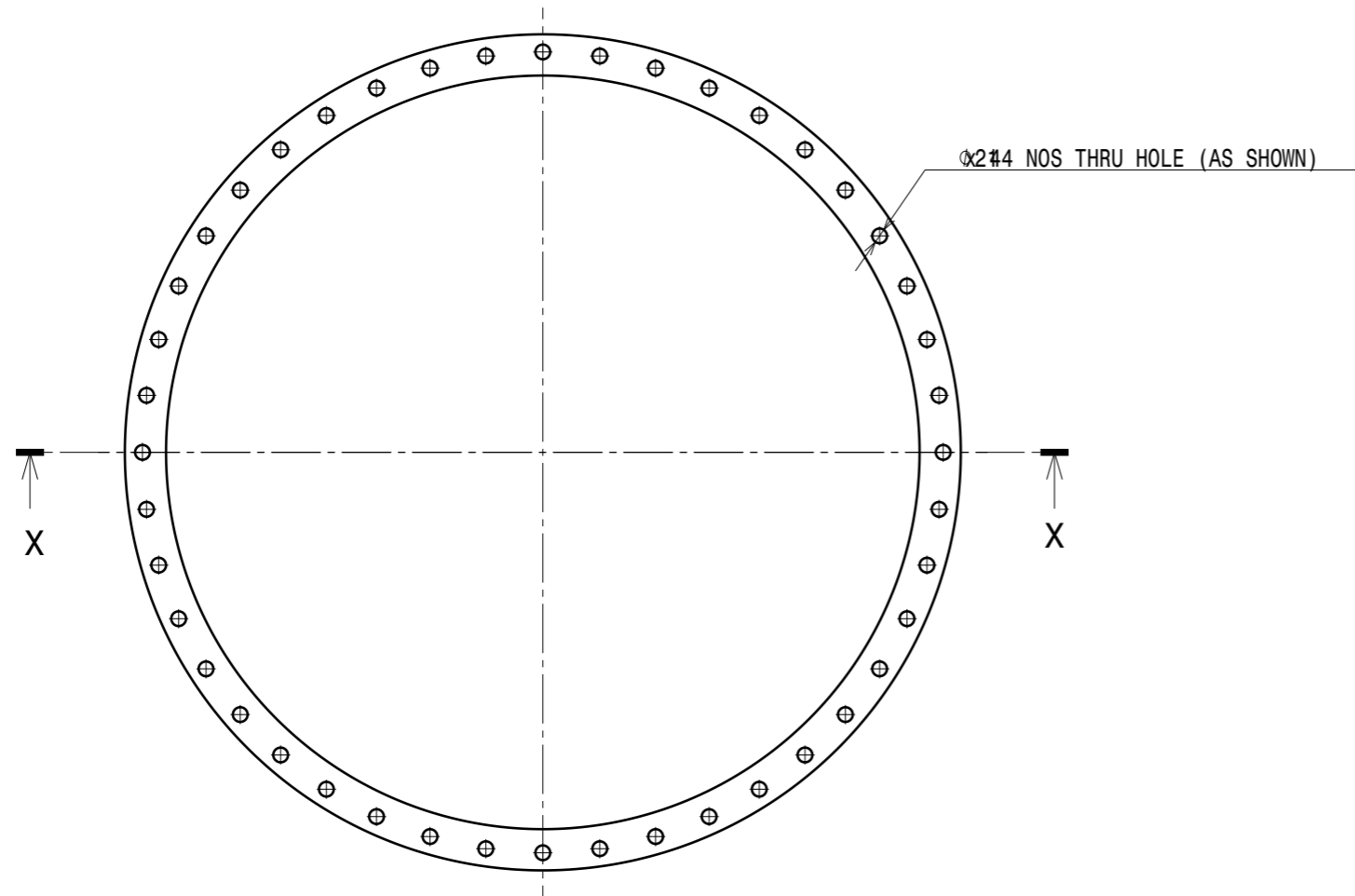
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CO-ORDINATED BY					REV	ZONE	DESCRIPTION	DATE	REMARKS	APPROVED BY	ALL DIMENSIONS ARE IN 'mm' UNLESS OTHERWISE STATED		TITLE		
COMPONENT MANUFACTURING/FABRICATION AND ASSEMBLY AS PER ASME Y 14.5 AND ISO 2768											SCALE	NTS	DATE	 THIRD ANGLE PROJECTION	PART 18
											DRAWN	SK PATNAIK			
											CHECKED	ATIK MISTRY		REF DRG NO: IPR/APD/20/A3/CBUTF/B	REV 00
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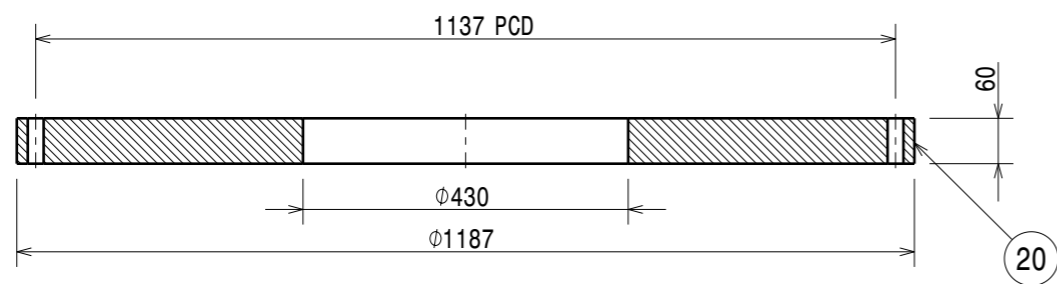
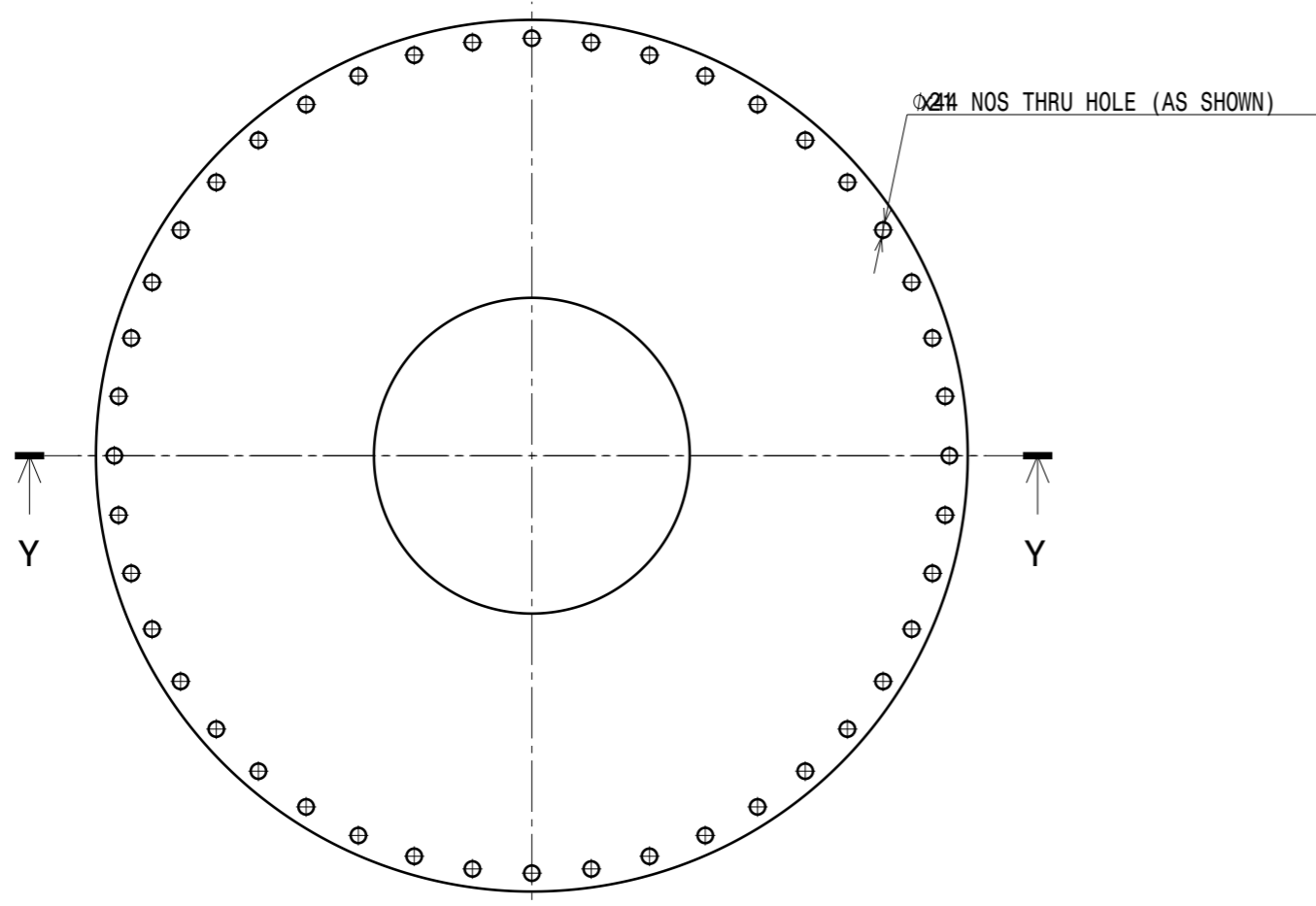


Section view X-X


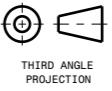
NOTES :-

1. INTIGRAL TYPE FLANGE SHOULD BE FABRICATED.
2. RAISED FACE THICKNESS OF 2 mm SHALL BE MACHINED IN EXCESS OF FLANGE THICKNESS.

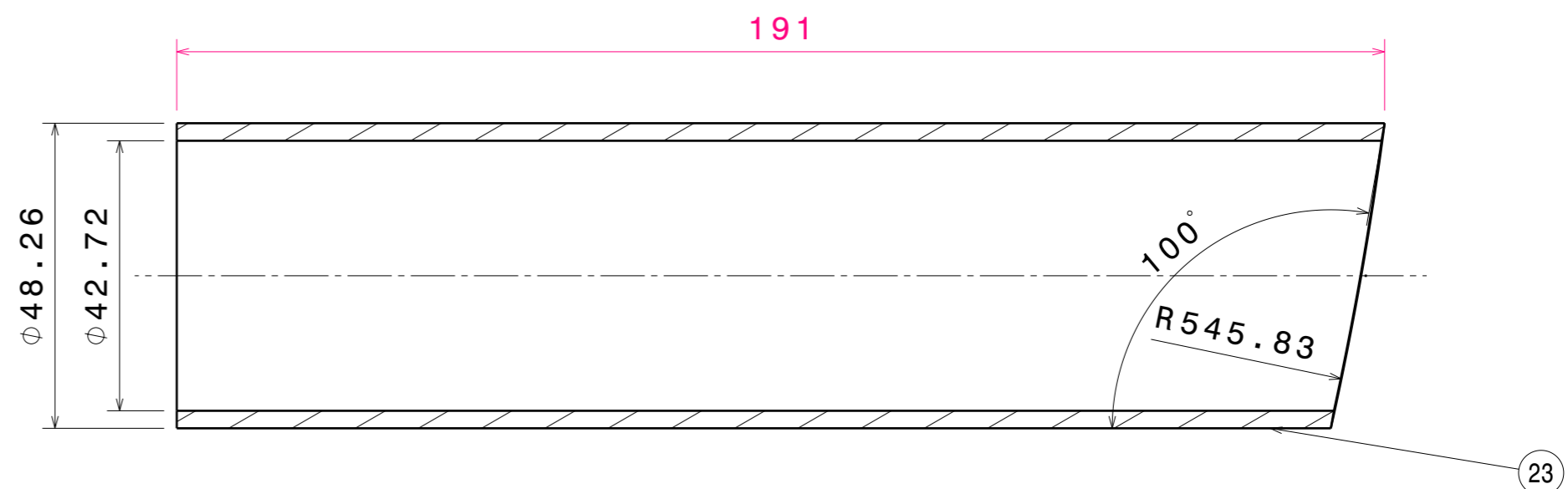
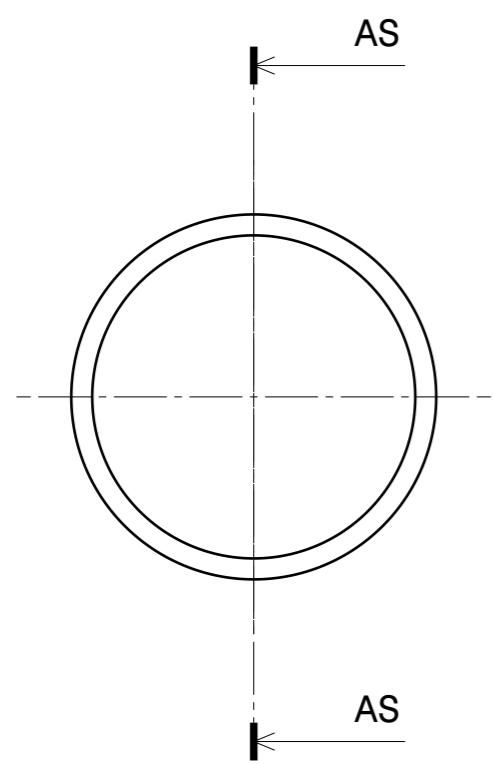
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CO-ORDINATED BY					REV	ZONE	DESCRIPTION	DATE	REMARKS	APPROVED BY	<small>ALL DIMENSIONS ARE IN 'mm' UNLESS OTHERWISE STATED</small>			TITLE	PART 19		
COMPONENT MANUFACTURING/FABRICATION AND ASSEMBLY AS PER ASME Y 14.5 AND ISO 2768											SCALE	NTS	DATE	REF DRG NO: IPR/APD/20/A3/CBUTF/B			REV 00
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											CHECKED	ATIK MISTRY					
											APPROVED						




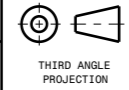
Section view Y-Y

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CO-ORDINATED BY					REV	ZONE	DESCRIPTION	DATE	REMARKS	APPROVED BY	ALL DIMENSIONS ARE IN 'mm' UNLESS OTHERWISE STATED		 TITLE PART 20		
COMPONENT MANUFACTURING/FABRICATION AND ASSEMBLY AS PER ASME Y 14.5 AND ISO 2768											SCALE	NTS	DATE	REF DRG NO: IPR/APD/20/A3/CBUTF/B	REV 00
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											CHECKED	ATIK MISTRY			
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													DRG.NO	IPR/APD/20/A3/CBUTF/B/01	
														SHEET 19 OF 35	

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Section view AS-AS

DRG.NO	▽ 8-25	▽▽ 1.6-8	▽▽▽ 0.025-1.6	▽▽▽▽ < 0.025	REVISION COLUMN					ASS'Y GROUP/ DIVISION: APD/IPR	SIZE A3	 INSTITUTE FOR PLASMA RESEARCH BHAT, GANDHINAGAR-382 428. INDIA	
CO-ORDINATED BY					REV	ZONE	DESCRIPTION	DATE	REMARKS	APPROVED BY	ALL DIMENSIONS ARE IN 'mm' UNLESS OTHERWISE STATED		TITLE PART 23
COMPONENT MANUFACTURING/FABRICATION AND ASSEMBLY AS PER ASME Y 14.5 AND ISO 2768											SCALE NTS DATE	 THIRD ANGLE PROJECTION	
											DRAWN SK PATNAIK		REF DRG NO: IPR/APD/20/A3/CBUTF/B REV 00
											CHECKED ATIK MISTRY	DRG.NO IPR/APD/20/A3/CBUTF/B/01	SHEET 20 OF 35
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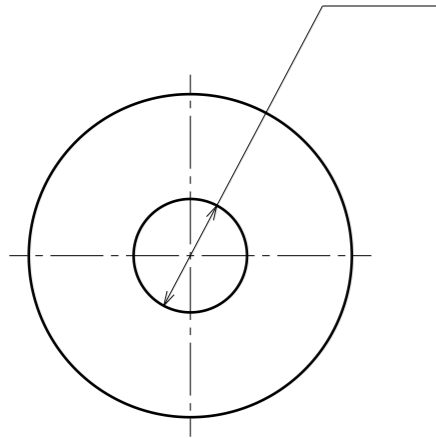
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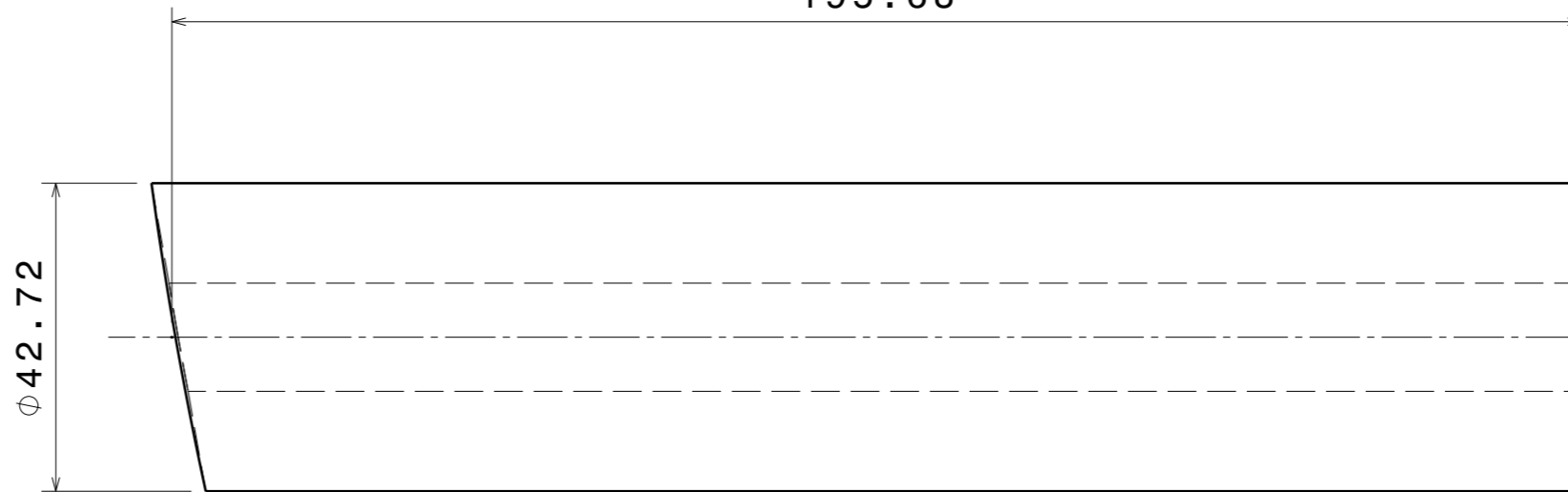
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DRG.NO	▽ 8-25	▽▽ 1.6-8	▽▽▽ 0.025-1.6	▽▽▽▽ < 0.025
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REVISION COLUMN

ASS'Y GROUP/ DIVISION: APD/IPR	SIZE A3
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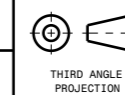
INSTITUTE FOR PLASMA RESEARCH
BHAT, GANDHINAGAR-382 428.
INDIA

CO-ORDINATED BY

REV	ZONE	DESCRIPTION	DATE	REMARKS	APPROVED BY

ALL DIMENSIONS ARE IN 'mm'
UNLESS OTHERWISE STATED

SCALE	NTS	DATE
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TITLE
PART 24

COMPONENT MANUFACTURING/FABRICATION AND ASSEMBLY AS PER ASME Y 14.5 AND ISO 2768

DRAWN	SK PATNAIK
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CHECKED	ATIK MISTRY
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REF DRG NO: IPR/APD/20/A3/CBUTF/B	REV 00
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DRG.NO	IPR/APD/20/A3/CBUTF/B/01	SHEET 21 OF 35
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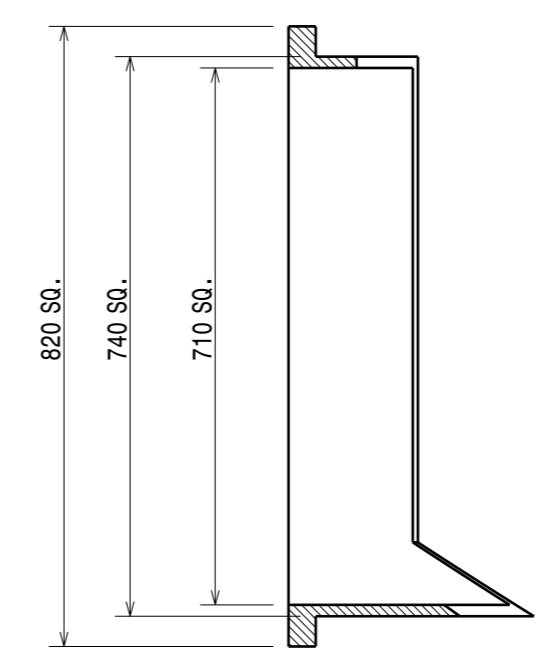
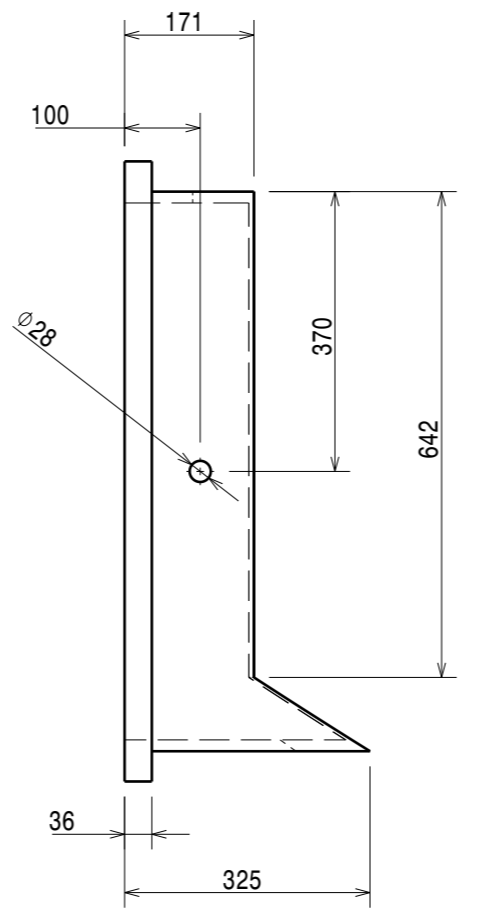
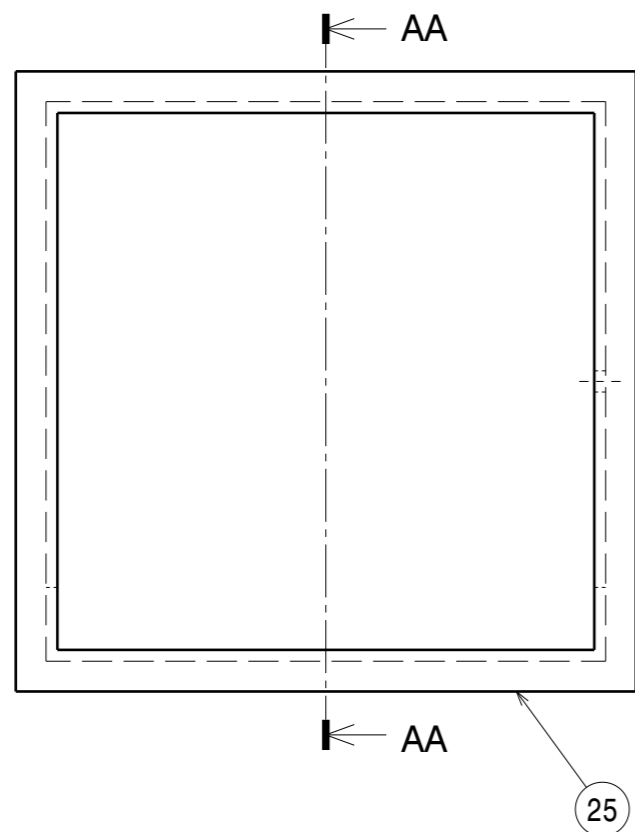
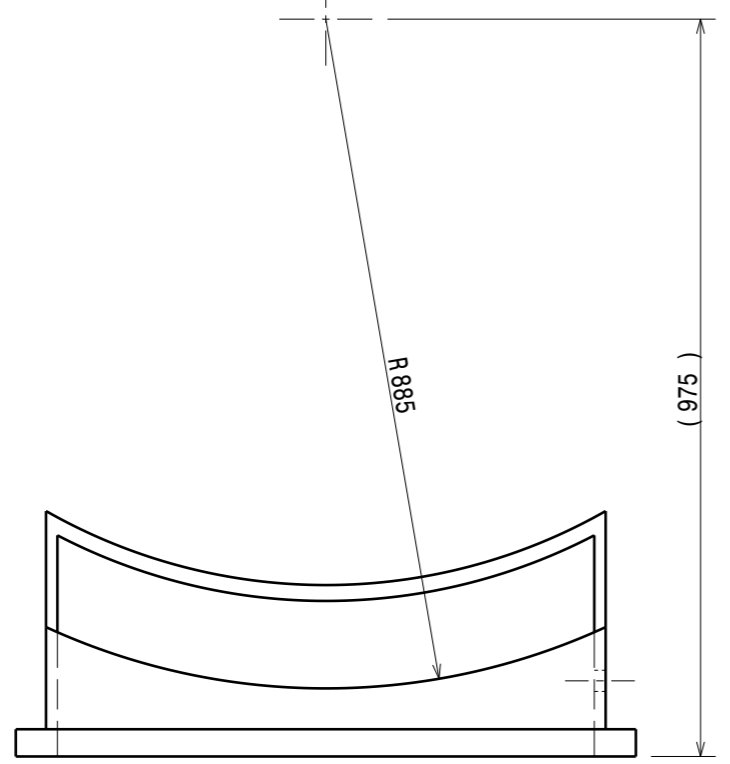
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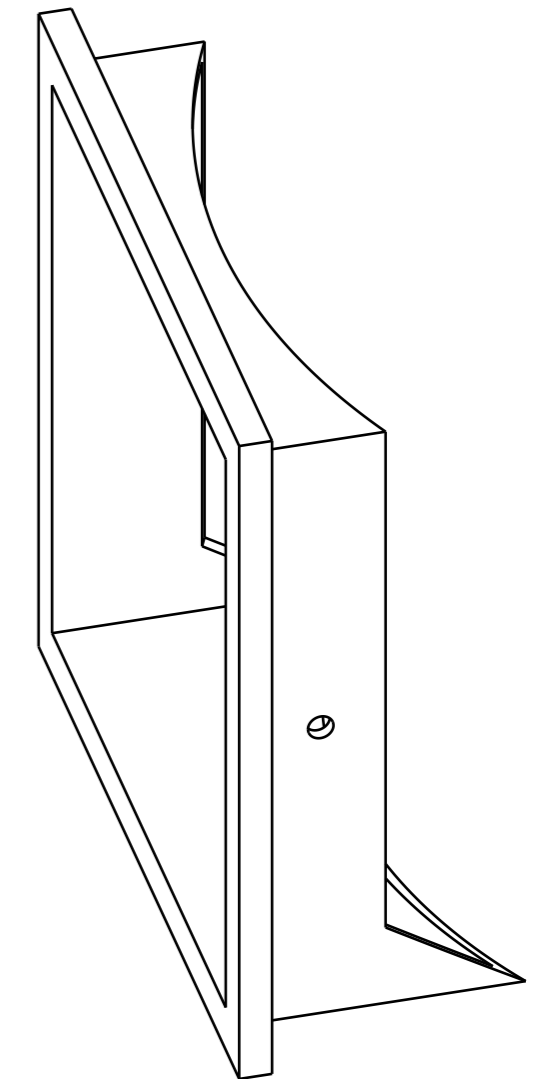
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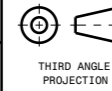
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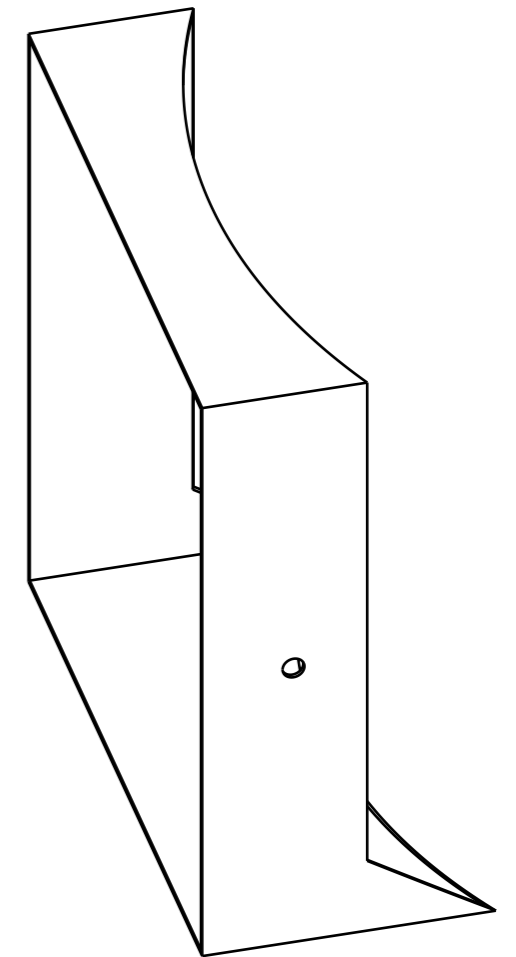
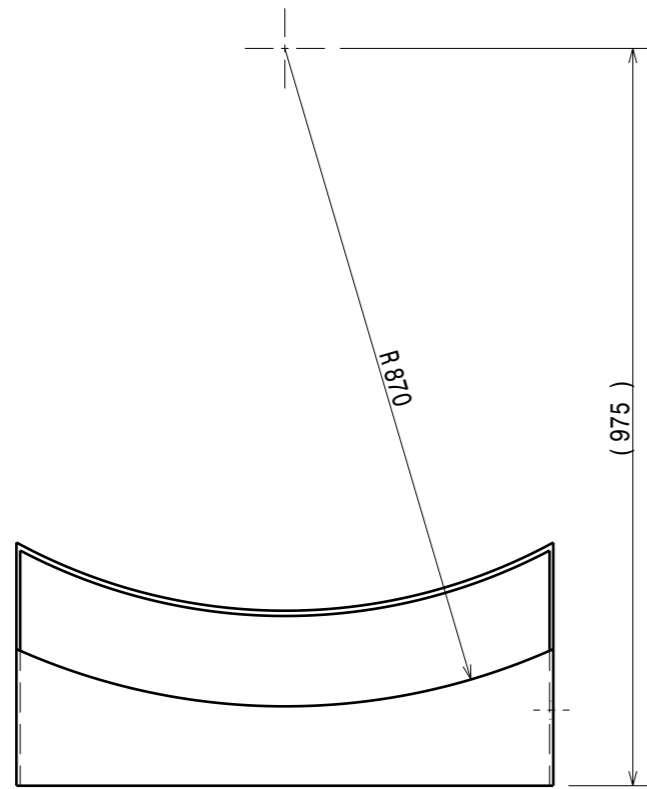


Section view AA-AA

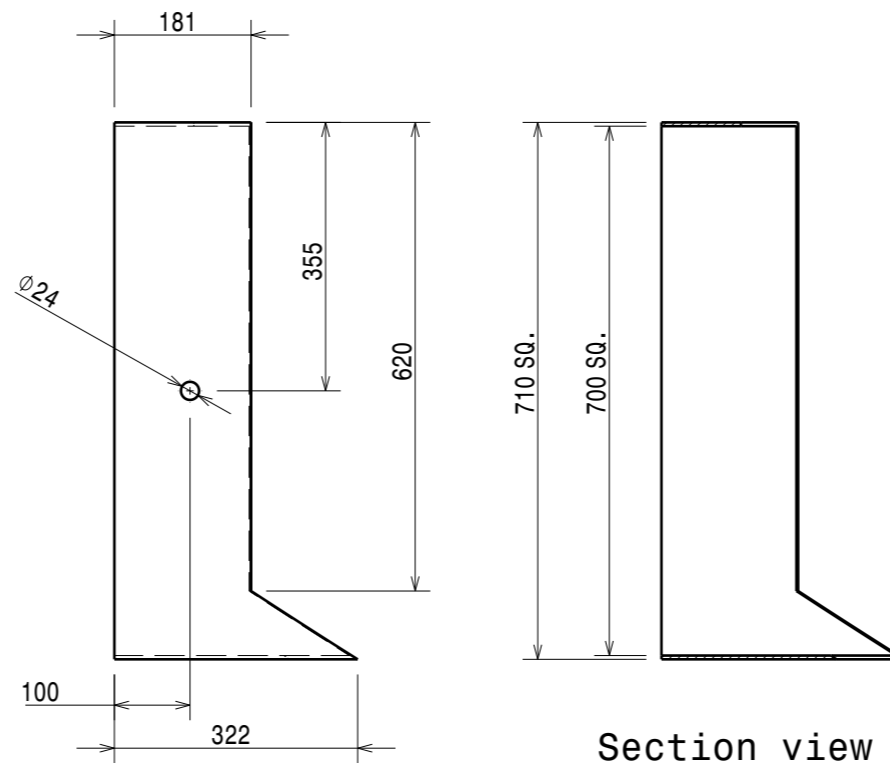
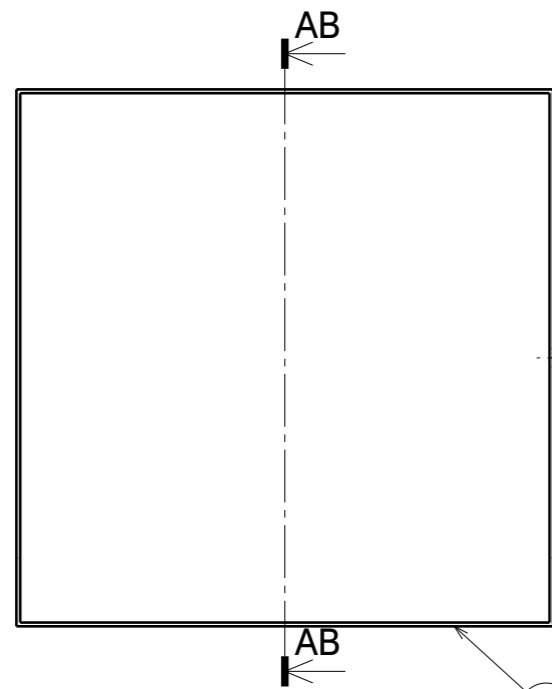


Isometric view

DRG.NO	▽ 8-25	▽▽ 1.6-8	▽▽▽ 0.025-1.6	▽▽▽▽ < 0.025	REVISION COLUMN					ASS'Y GROUP/ DIVISION: APD/IPR	SIZE A3	 INSTITUTE FOR PLASMA RESEARCH BHAT, GANDHINAGAR-382 428. INDIA			
CO-ORDINATED BY					REV	ZONE	DESCRIPTION	DATE	REMARKS	APPROVED BY	ALL DIMENSIONS ARE IN 'mm' UNLESS OTHERWISE STATED		 TITLE PART 25		
COMPONENT MANUFACTURING/FABRICATION AND ASSEMBLY AS PER ASME Y 14.5 AND ISO 2768											SCALE	NTS	DATE	REF DRG NO: IPR/APD/20/A3/CBUTF/B	REV 00
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											CHECKED	ATIK MISTRY			SHEET 22 OF 35
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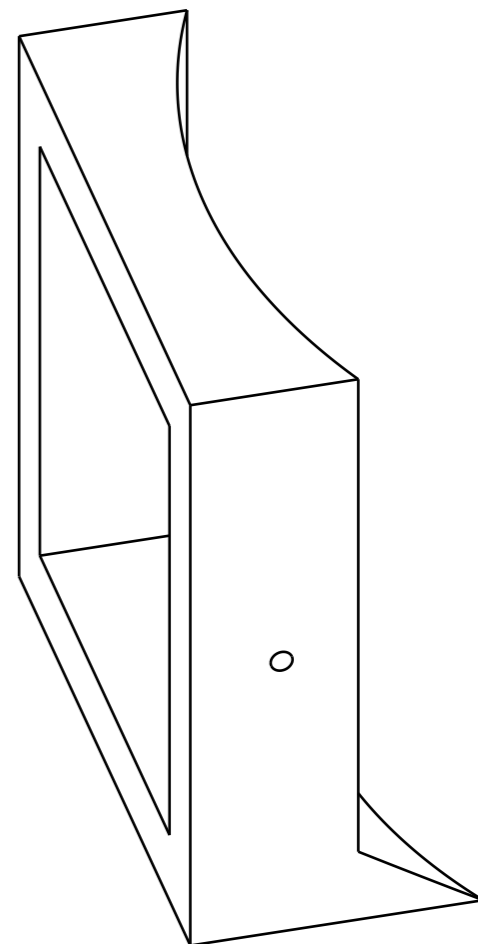
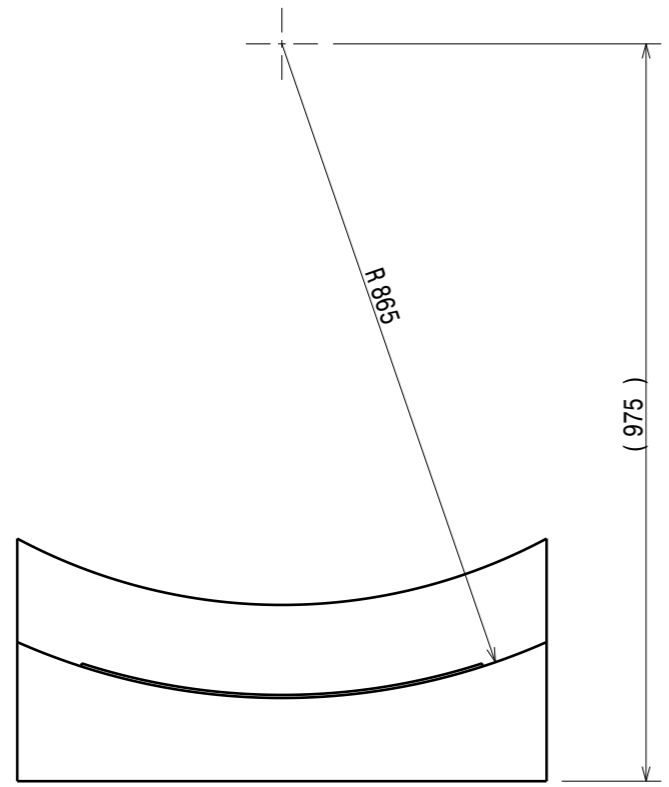


Isometric view

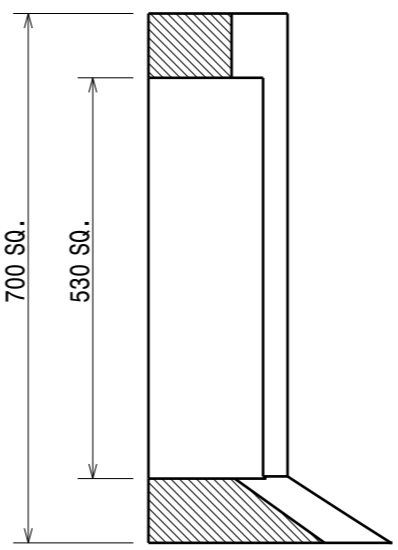
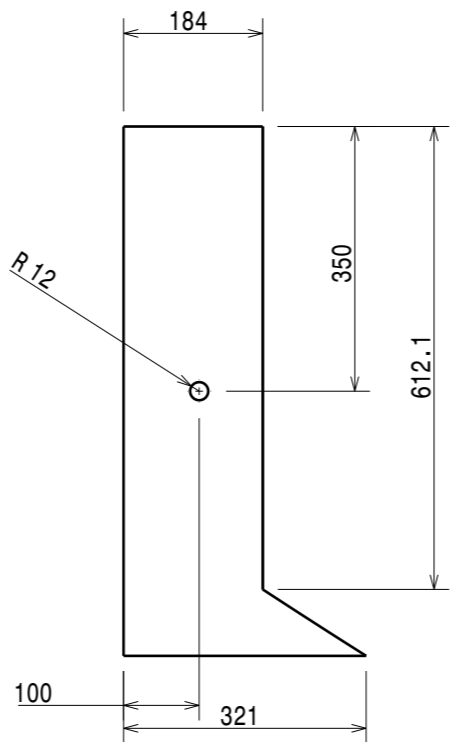
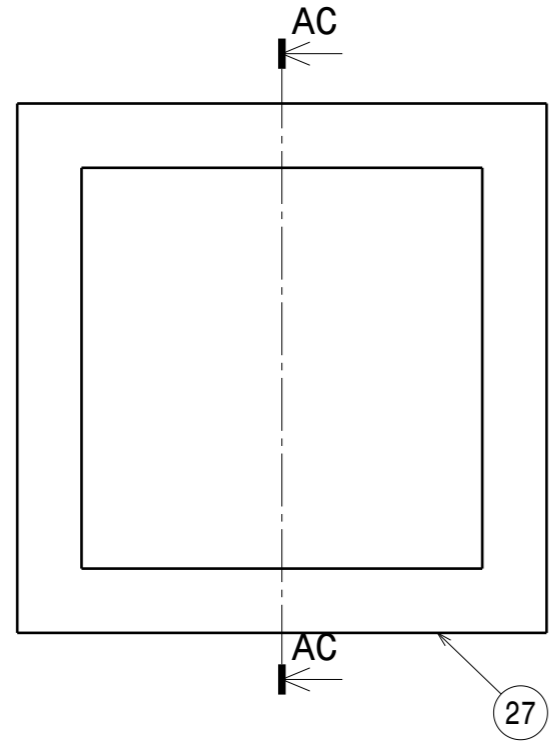


Section view AB-AB

DRG. NO	▽ 8-25	▽▽ 1.6-8	▽▽▽ 0.025-1.6	▽▽▽▽ < 0.025	REVISION COLUMN					ASS'Y GROUP/ DIVISION: APD/IPR	SIZE A3	INSTITUTE FOR PLASMA RESEARCH BHAT, GANDHINAGAR-382 428. INDIA				
CO-ORDINATED BY					REV	ZONE	DESCRIPTION	DATE	REMARKS	APPROVED BY	ALL DIMENSIONS ARE IN 'mm' UNLESS OTHERWISE STATED		TITLE			
COMPONENT MANUFACTURING/FABRICATION AND ASSEMBLY AS PER ASME Y 14.5 AND ISO 2768											SCALE	NTS	DATE	 THIRD ANGLE PROJECTION	PART 26	
											DRAWN	SK PATNAIK				
											CHECKED	ATIK MISTRY		REF DRG NO: IPR/APD/20/A3/CBUTF/B	REV 00	
											APPROVED			DRG. NO	IPR/APD/20/A3/CBUTF/B/01	SHEET 23 OF 35

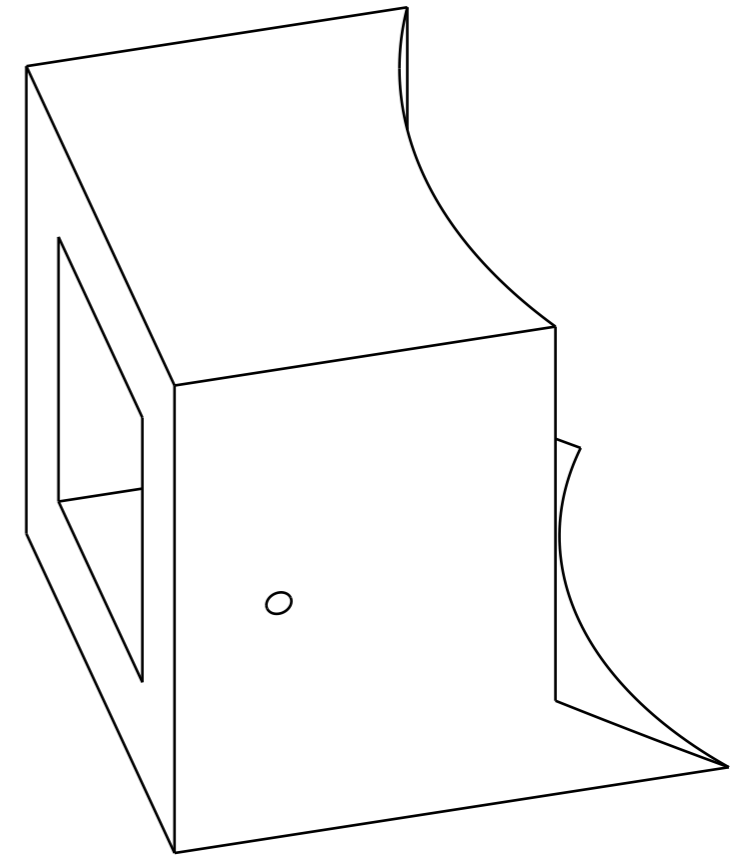
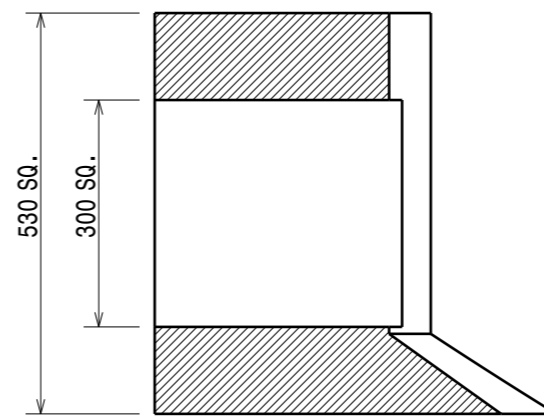
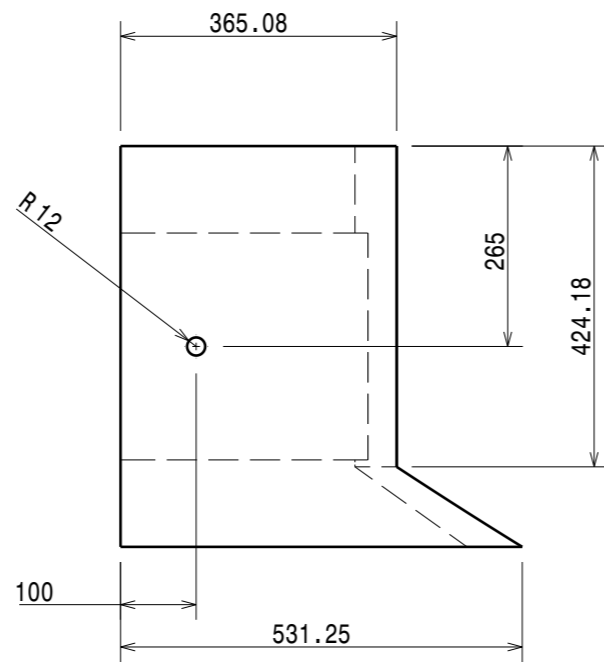
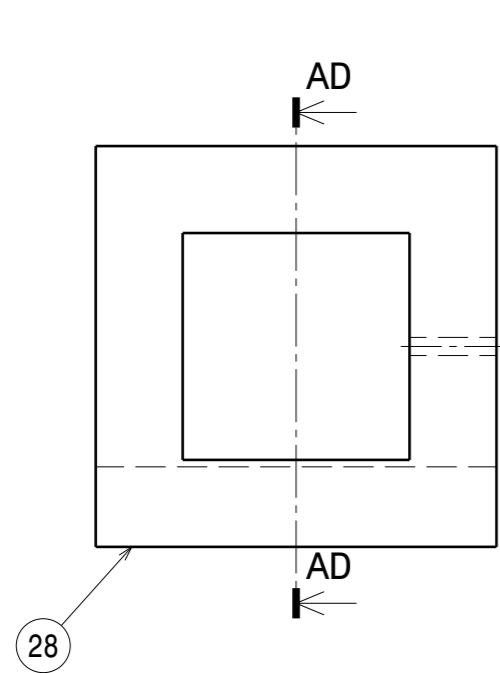
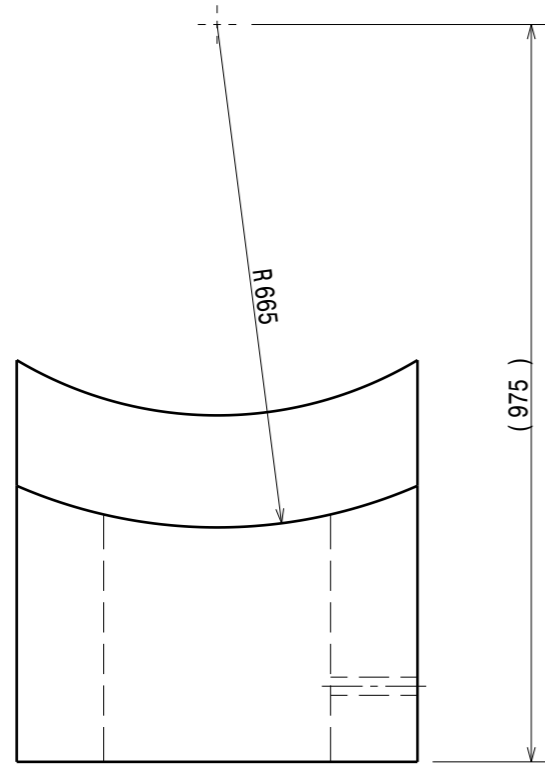


Isometric view




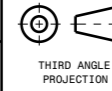
Section view AC-AC

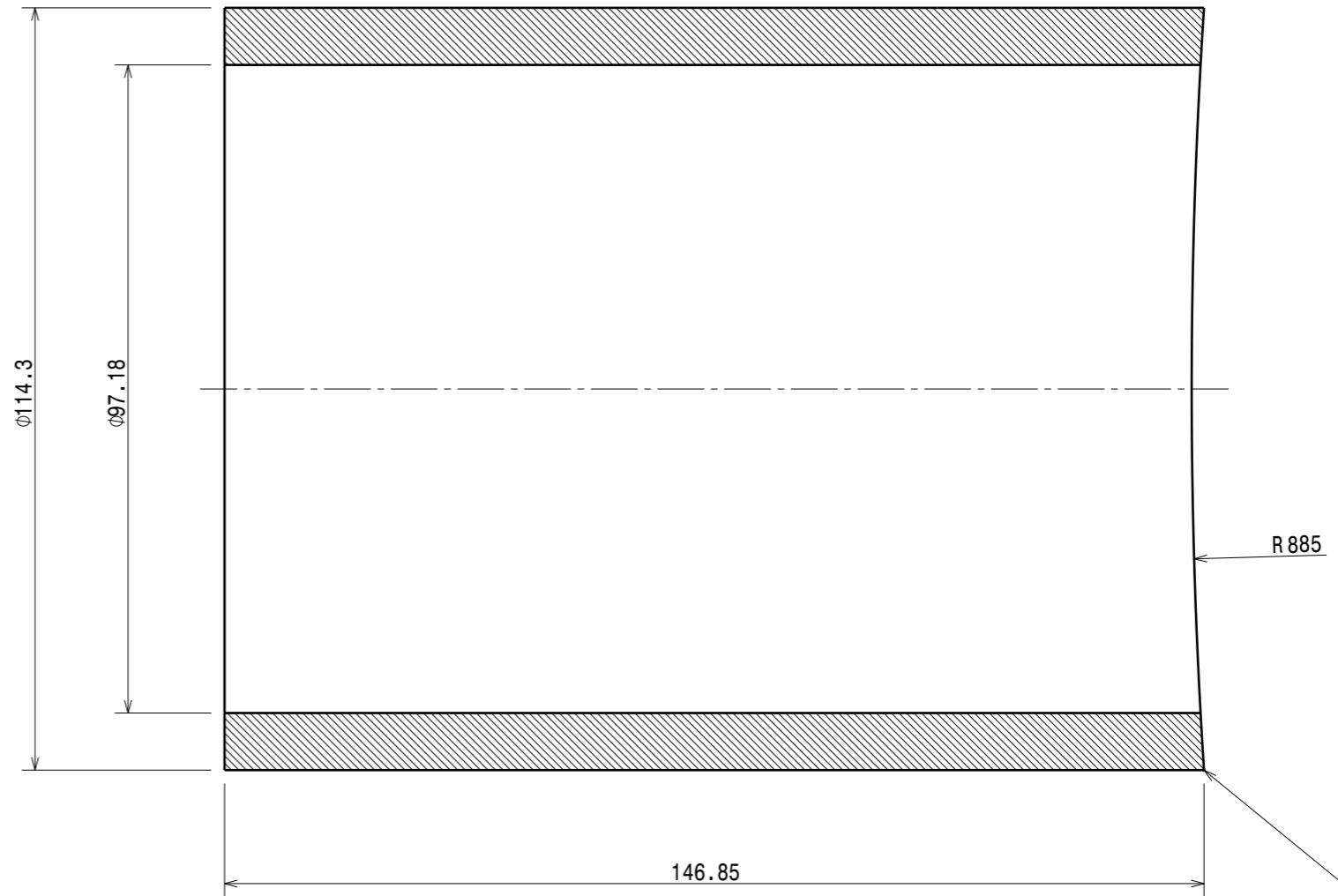
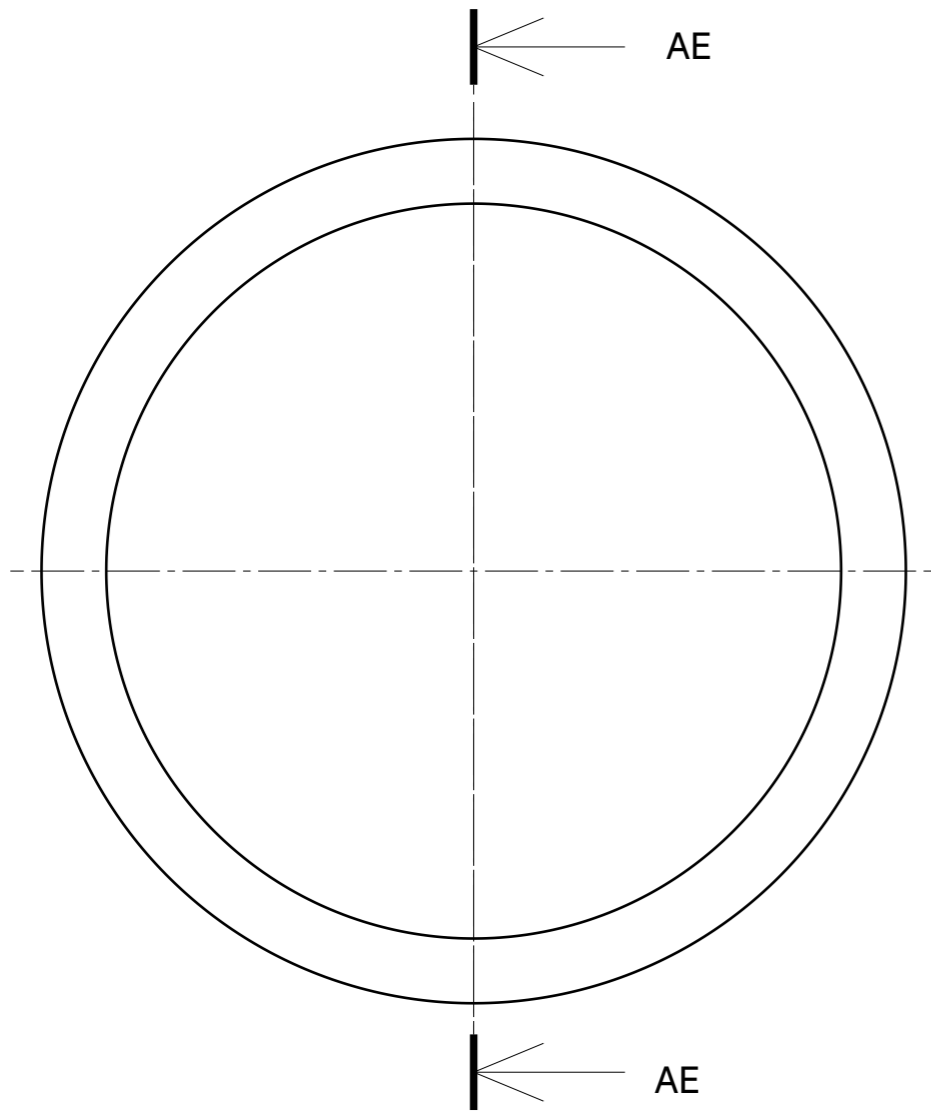
DRG.NO	▽ 8-25	▽▽ 1.6-8	▽▽▽ 0.025-1.6	▽▽▽▽ < 0.025	REVISION COLUMN					ASS'Y GROUP/ DIVISION: APD/IPR	SIZE A3	INSTITUTE FOR PLASMA RESEARCH BHAT, GANDHINAGAR-382 428. INDIA					
CO-ORDINATED BY					REV	ZONE	DESCRIPTION	DATE	REMARKS	APPROVED BY	ALL DIMENSIONS ARE IN 'mm' UNLESS OTHERWISE STATED		TITLE				
COMPONENT MANUFACTURING/FABRICATION AND ASSEMBLY AS PER ASME Y 14.5 AND ISO 2768											SCALE	NTS	DATE	 THIRD ANGLE PROJECTION	PART 27		
											DRAWN	SK PATNAIK					
											CHECKED	ATIK MISTRY				REF DRG NO: IPR/APD/20/A3/CBUTF/B	REV 00
											APPROVED					DRG.NO IPR/APD/20/A3/CBUTF/B/01	SHEET 24 OF 35



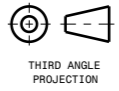
Isometric view

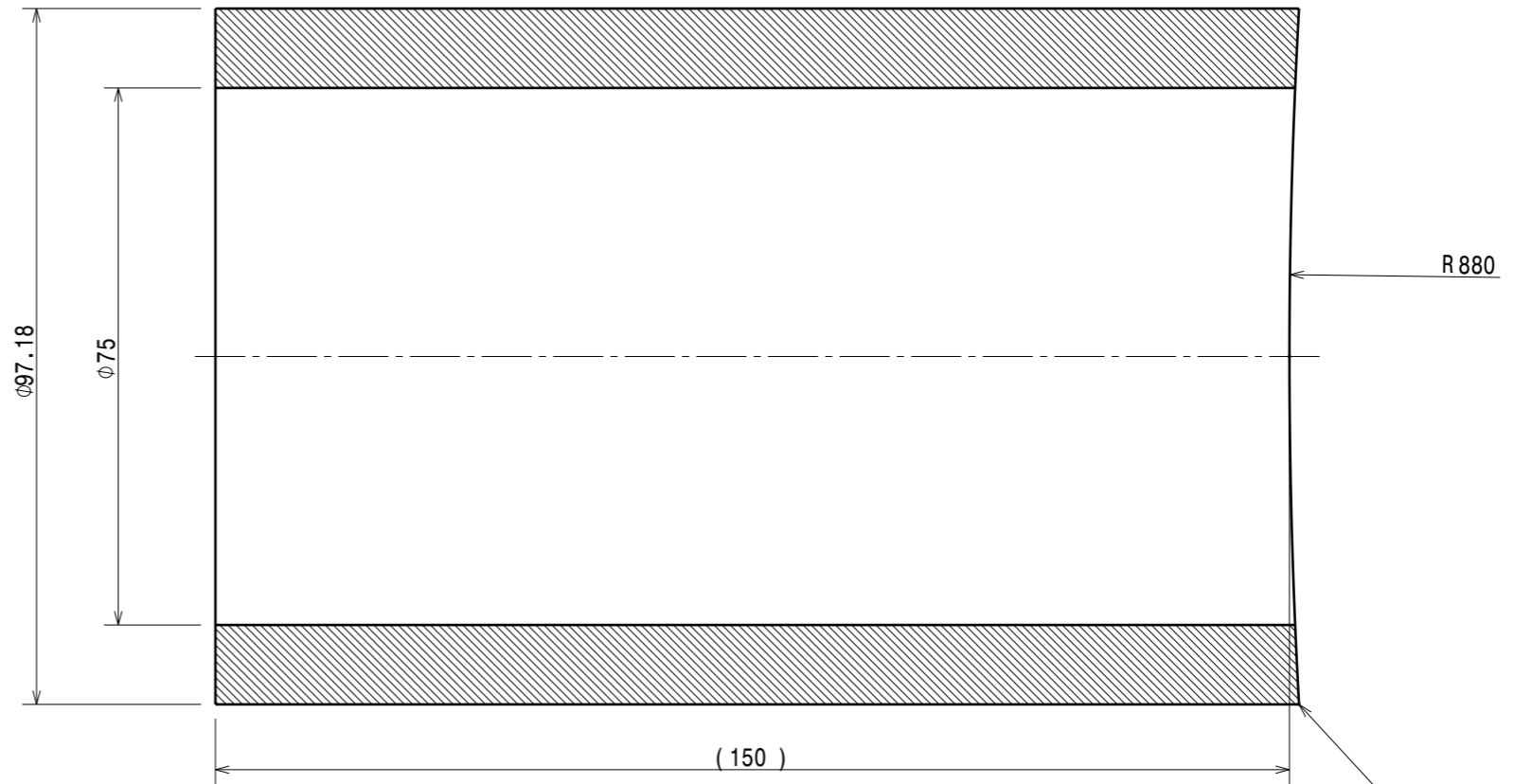
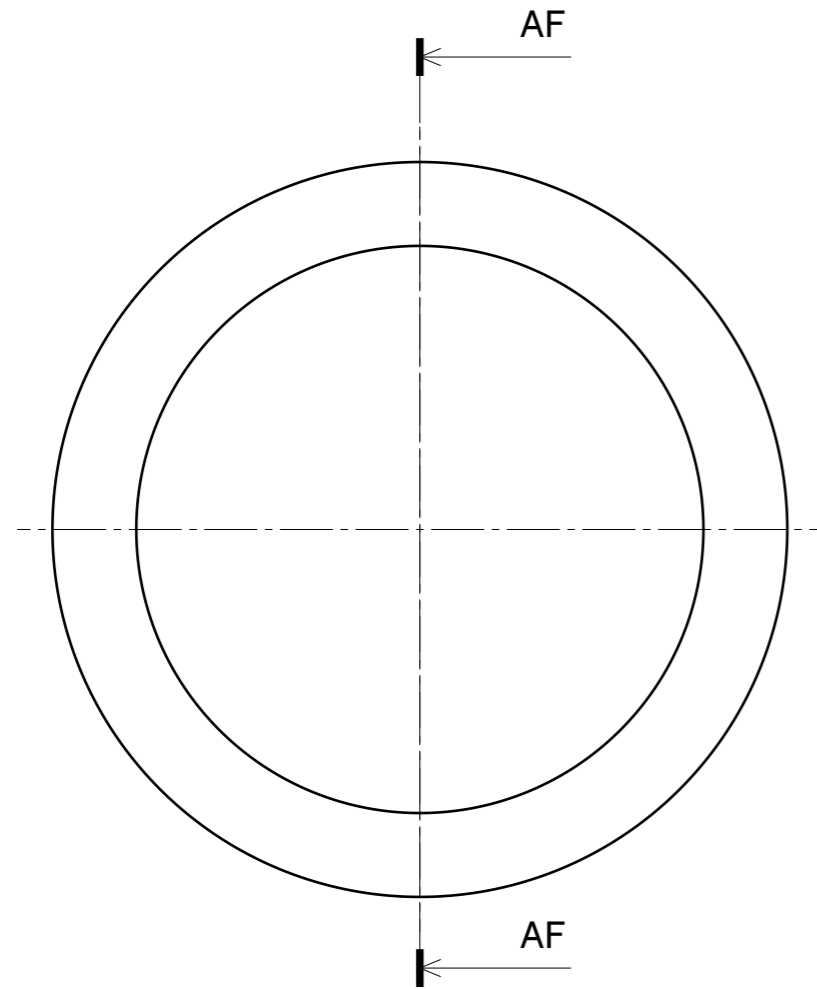
Section view AD-AD

DRG.NO	▽ 8-25	▽▽ 1.6-8	▽▽▽ 0.025-1.6	▽▽▽▽ < 0.025	REVISION COLUMN					ASS'Y GROUP/ DIVISION: APD/IPR	SIZE A3	 INSTITUTE FOR PLASMA RESEARCH BHAT, GANDHINAGAR-382 428. INDIA		
CO-ORDINATED BY					REV	ZONE	DESCRIPTION	DATE	REMARKS	APPROVED BY	ALL DIMENSIONS ARE IN 'mm' UNLESS OTHERWISE STATED		TITLE PART 28	
COMPONENT MANUFACTURING/FABRICATION AND ASSEMBLY AS PER ASME Y 14.5 AND ISO 2768										SCALE	NTS	DATE	 THIRD ANGLE PROJECTION	
											DRAWN	SK PATNAIK		
											CHECKED	ATIK MISTRY	REF DRG NO: IPR/APD/20/A3/CBUTF/B	REV 00
											APPROVED		DRG.NO IPR/APD/20/A3/CBUTF/B/01	SHEET 25 OF 35




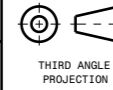
Section view AE-AE

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CO-ORDINATED BY					REV	ZONE	DESCRIPTION	DATE	REMARKS	APPROVED BY	ALL DIMENSIONS ARE IN 'mm' UNLESS OTHERWISE STATED		TITLE		
COMPONENT MANUFACTURING/FABRICATION AND ASSEMBLY AS PER ASME Y 14.5 AND ISO 2768											SCALE	NTS	DATE	 THIRD ANGLE PROJECTION	PART 29
											DRAWN	SK PATNAIK			
											CHECKED	ATIK MISTRY		REF DRG NO: IPR/APD/20/A3/CBUTF/B	REV 00
											APPROVED			DRG.NO IPR/APD/20/A3/CBUTF/B/01	SHEET 26 OF 35

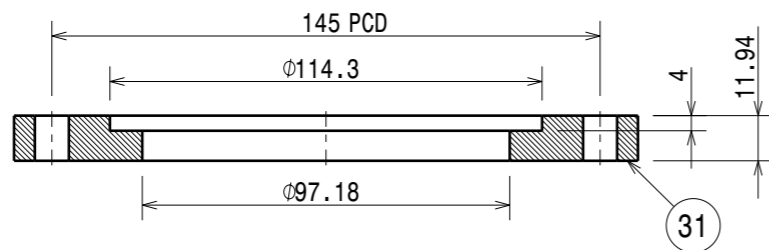
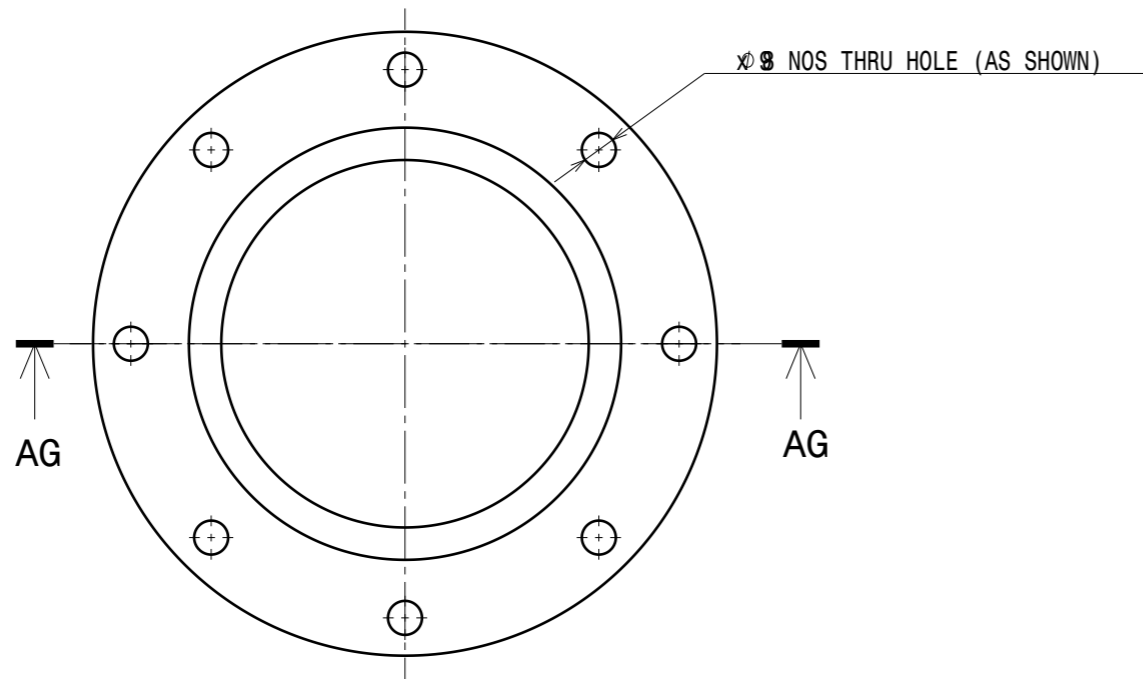


Section view AF-AF



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DRG.NO	▽ 8-25	▽▽ 1.6-8	▽▽▽ 0.025-1.6	▽▽▽▽ < 0.025	REVISION COLUMN					ASS'Y GROUP/ DIVISION: APD/IPR	SIZE A3	 INSTITUTE FOR PLASMA RESEARCH BHAT, GANDHINAGAR-382 428. INDIA				
CO-ORDINATED BY					REV	ZONE	DESCRIPTION	DATE	REMARKS	APPROVED BY	ALL DIMENSIONS ARE IN 'mm' UNLESS OTHERWISE STATED		 THIRD ANGLE PROJECTION	TITLE		
COMPONENT MANUFACTURING/FABRICATION AND ASSEMBLY AS PER ASME Y 14.5 AND ISO 2768											SCALE	NTS	DATE	PART 30		
											DRAWN	SK PATNAIK				
											CHECKED	ATIK MISTRY			REF DRG NO: IPR/APD/20/A3/CBUTF/B	
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														DRG.NO	IPR/APD/20/A3/CBUTF/B/01	SHEET 27 OF 35

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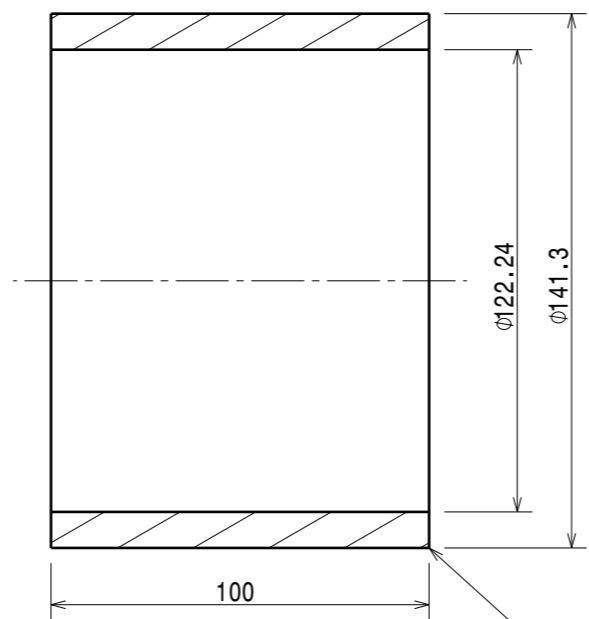
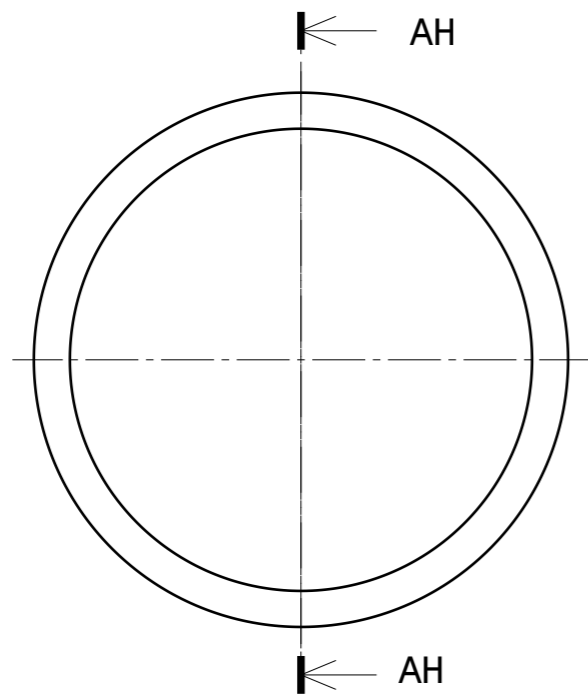
Section view AG-AG

DRG.NO	▽ 8-25	▽▽ 1.6-8	▽▽▽ 0.025-1.6	▽▽▽▽ < 0.025	REVISION COLUMN					ASS'Y GROUP/ DIVISION: APD/IPR	SIZE A3	 INSTITUTE FOR PLASMA RESEARCH BHAT, GANDHINAGAR-382 428. INDIA				
CO-ORDINATED BY					REV	ZONE	DESCRIPTION	DATE	REMARKS	APPROVED BY	ALL DIMENSIONS ARE IN 'mm' UNLESS OTHERWISE STATED		TITLE PART 31			
COMPONENT MANUFACTURING/FABRICATION AND ASSEMBLY AS PER ASME Y 14.5 AND ISO 2768											SCALE	NTS	DATE	 THIRD ANGLE PROJECTION	REF DRG NO: IPR/APD/20/A3/CBUTF/B	REV 00
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											APPROVED					

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Section view AH-AH


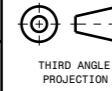
32

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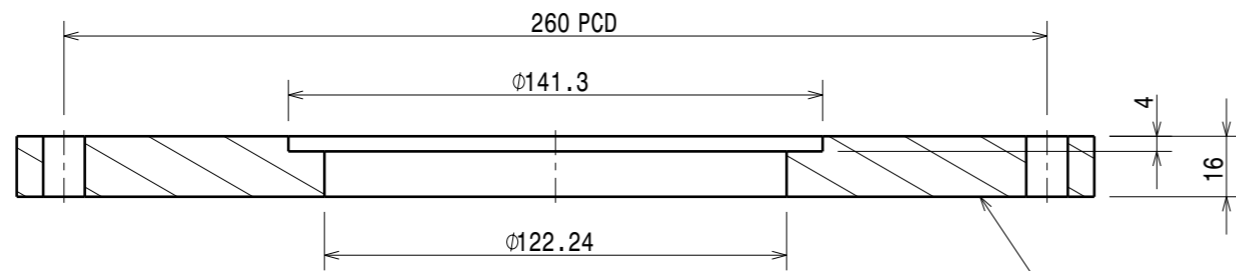
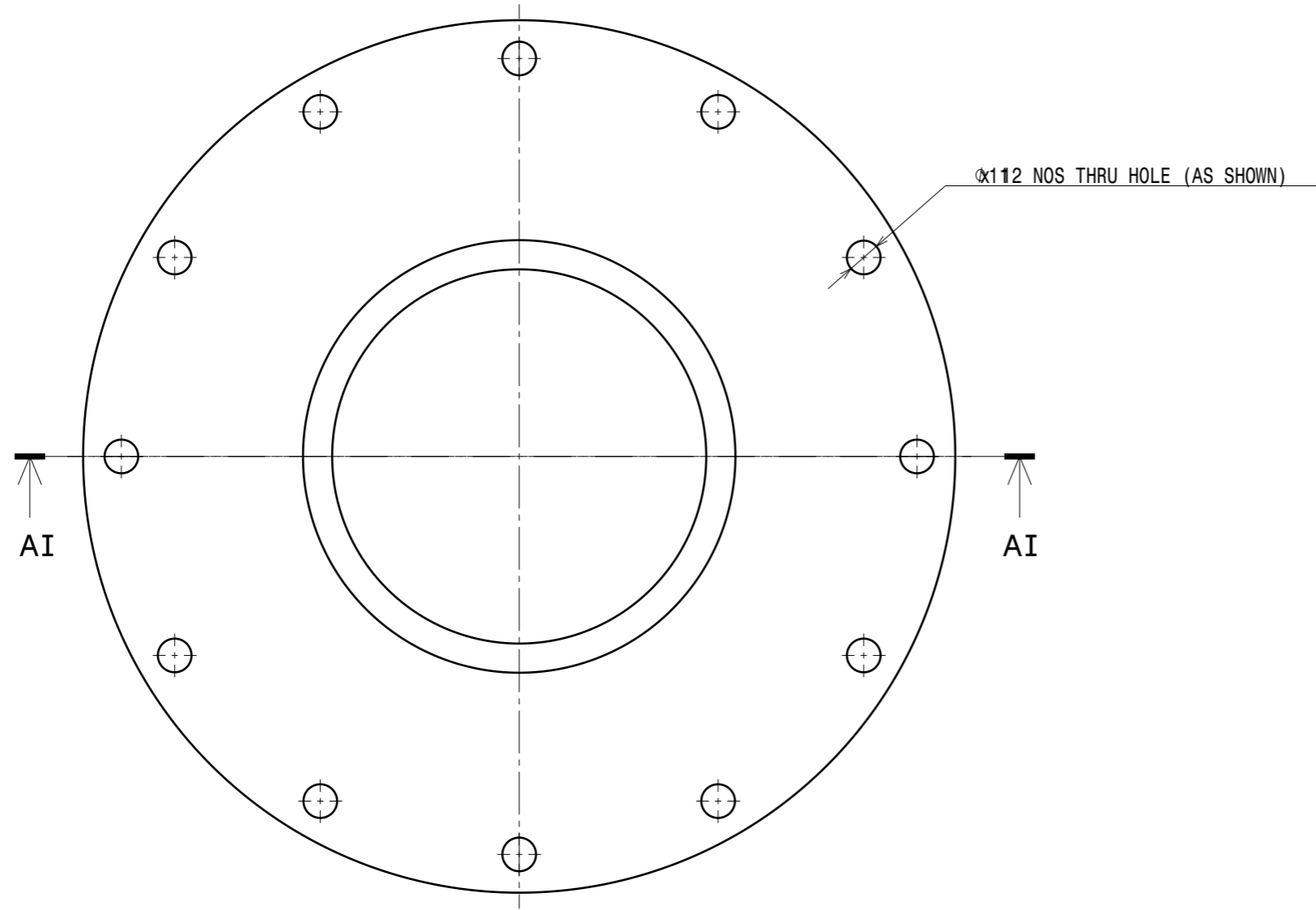
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DRG.NO	▽ 8-25	▽▽ 1.6-8	▽▽▽ 0.025-1.6	▽▽▽▽ < 0.025	REVISION COLUMN					ASS'Y GROUP/ DIVISION: APD/IPR	SIZE A3	 INSTITUTE FOR PLASMA RESEARCH BHAT, GANDHINAGAR-382 428. INDIA					
CO-ORDINATED BY					REV	ZONE	DESCRIPTION	DATE	REMARKS	APPROVED BY	ALL DIMENSIONS ARE IN 'mm' UNLESS OTHERWISE STATED		TITLE PART 32				
COMPONENT MANUFACTURING/FABRICATION AND ASSEMBLY AS PER ASME Y 14.5 AND ISO 2768											SCALE	NTS	DATE	 THIRD ANGLE PROJECTION	REF DRG NO: IPR/APD/20/A3/CBUTF/B	REV 00	
											DRAWN	SK PATNAIK			DRG.NO	IPR/APD/20/A3/CBUTF/B/01	SHEET 29 OF 35
											CHECKED	ATIK MISTRY					
											APPROVED						


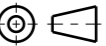
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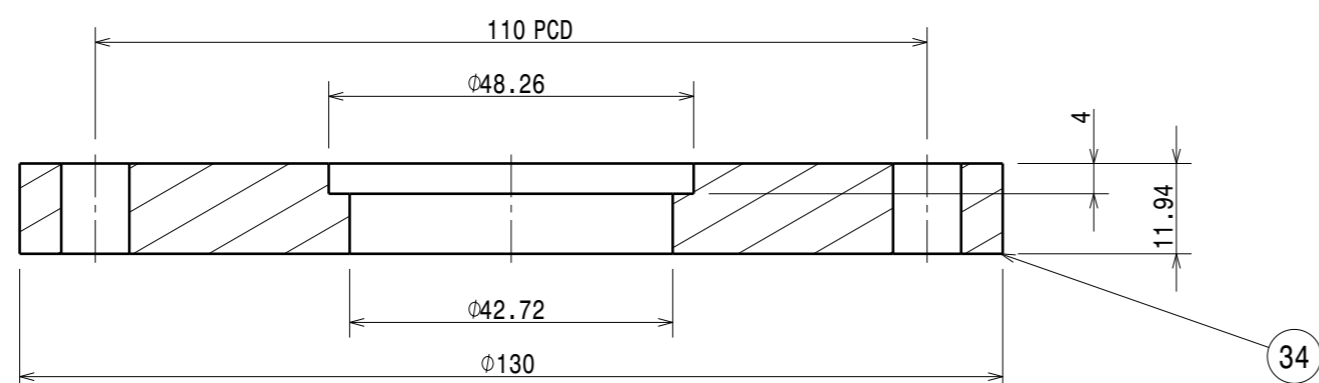
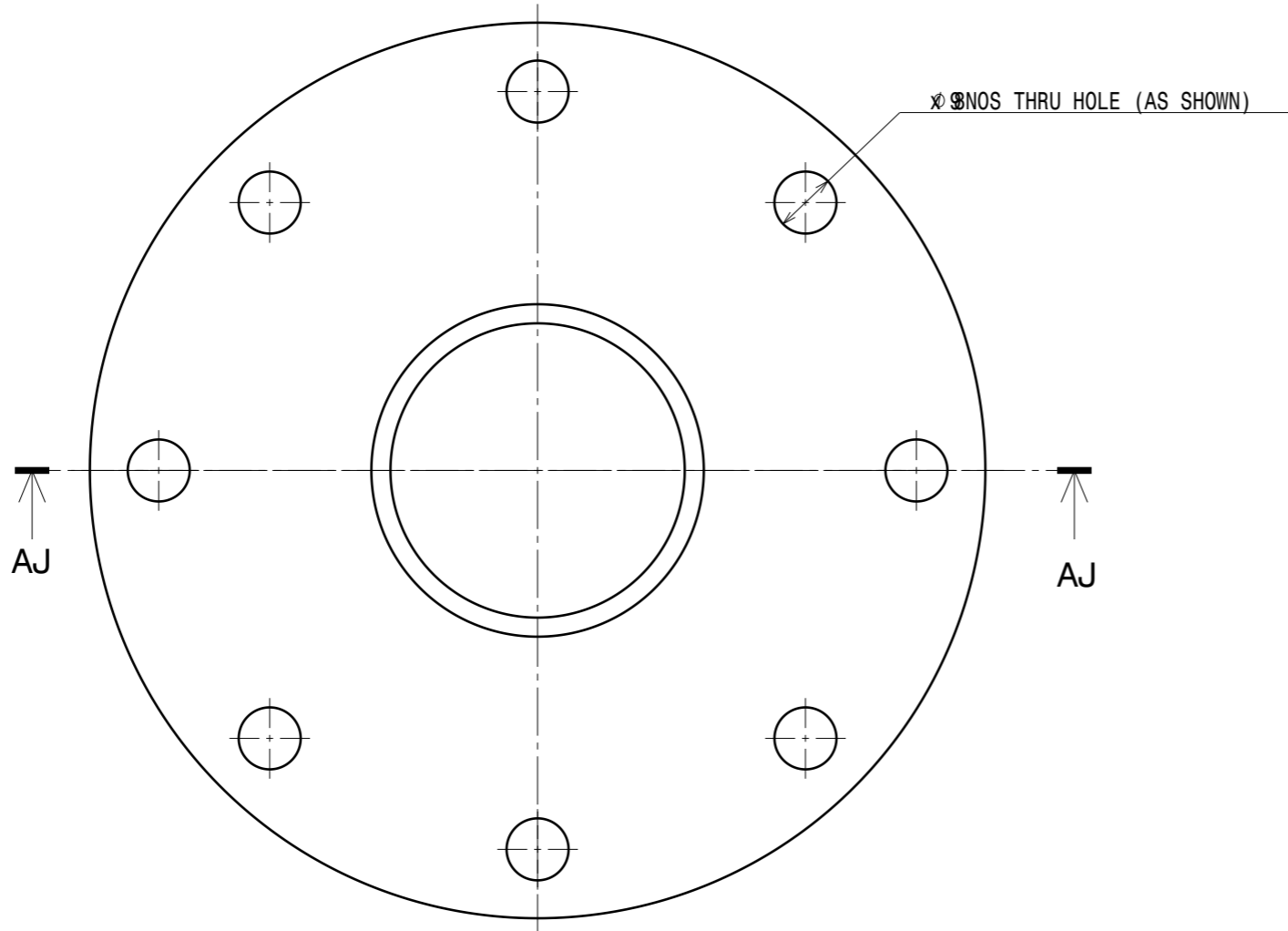


Section view AI-AI

33

DRG.NO	▽ 8-25	▽▽ 1.6-8	▽▽▽ 0.025-1.6	▽▽▽▽ < 0.025	REVISION COLUMN					ASS'Y GROUP/ DIVISION: APD/IPR	SIZE A3	 INSTITUTE FOR PLASMA RESEARCH BHAT, GANDHINAGAR-382 428. INDIA				
CO-ORDINATED BY					REV	ZONE	DESCRIPTION	DATE	REMARKS	APPROVED BY	ALL DIMENSIONS ARE IN 'mm' UNLESS OTHERWISE STATED		 TITLE PART 33			
COMPONENT MANUFACTURING/FABRICATION AND ASSEMBLY AS PER ASME Y 14.5 AND ISO 2768											SCALE	NTS	DATE	REF DRG NO: IPR/APD/20/A3/CBUTF/B	REV 00	
											DRAWN	SK PATNAIK		DRG.NO	IPR/APD/20/A3/CBUTF/B/01	SHEET 30 OF 35
											CHECKED	ATIK MISTRY				
											APPROVED					

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Section view AJ-AJ

DRG.NO	▽ 8-25	▽▽ 1.6-8	▽▽▽ 0.025-1.6	▽▽▽▽ < 0.025	REVISION COLUMN					ASS'Y GROUP/ DIVISION: APD/IPR	SIZE A3	INSTITUTE FOR PLASMA RESEARCH BHAT, GANDHINAGAR-382 428. INDIA			
CO-ORDINATED BY					REV	ZONE	DESCRIPTION	DATE	REMARKS	APPROVED BY	ALL DIMENSIONS ARE IN 'mm' UNLESS OTHERWISE STATED		TITLE PART 34		
COMPONENT MANUFACTURING/FABRICATION AND ASSEMBLY AS PER ASME Y 14.5 AND ISO 2768											SCALE NTS	DATE	THIRD ANGLE PROJECTION	REF DRG NO: IPR/APD/20/A3/CBUTF/B	REV 00
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											APPROVED				

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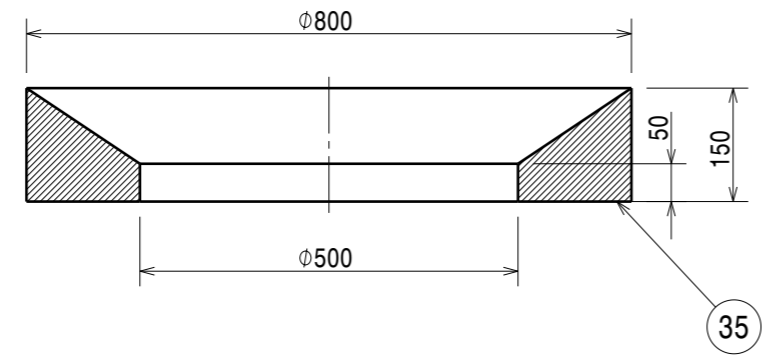
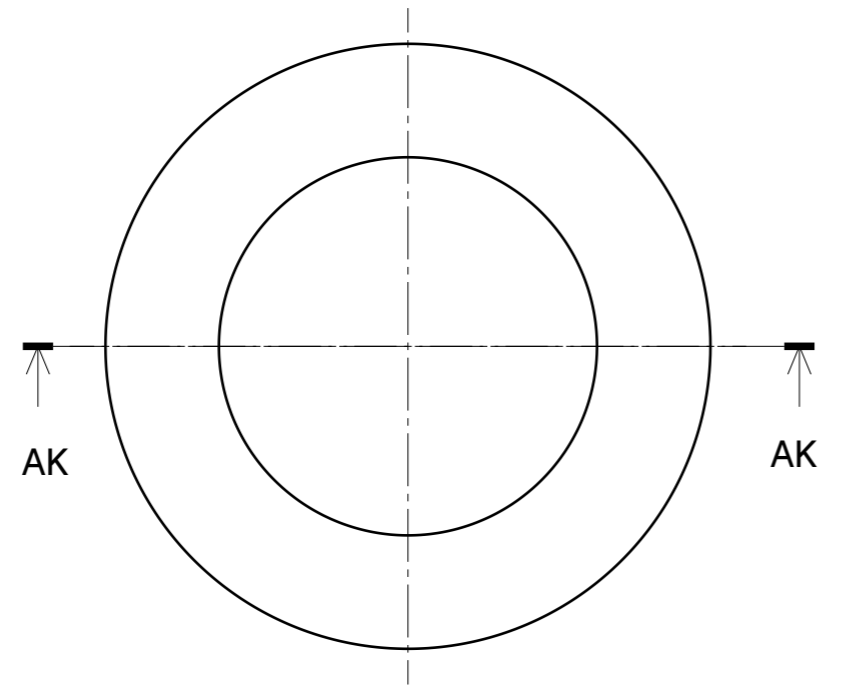
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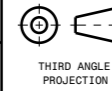
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Section view AK-AK

DRG.NO	▽ 8-25	▽▽ 1.6-8	▽▽▽ 0.025-1.6	▽▽▽▽ < 0.025	REVISION COLUMN					ASS'Y GROUP/ DIVISION: APD/IPR	SIZE A3	 INSTITUTE FOR PLASMA RESEARCH BHAT, GANDHINAGAR-382 428. INDIA					
CO-ORDINATED BY					REV	ZONE	DESCRIPTION	DATE	REMARKS	APPROVED BY	ALL DIMENSIONS ARE IN 'mm' UNLESS OTHERWISE STATED			 TITLE PART 35			
COMPONENT MANUFACTURING/FABRICATION AND ASSEMBLY AS PER ASME Y 14.5 AND ISO 2768											SCALE	NTS	DATE	REF DRG NO: IPR/APD/20/A3/CBUTF/B			REV 00
											DRAWN	SK PATNAIK		DRG.NO IPR/APD/20/A3/CBUTF/B/01			SHEET 32 OF 35
											CHECKED	ATIK MISTRY					
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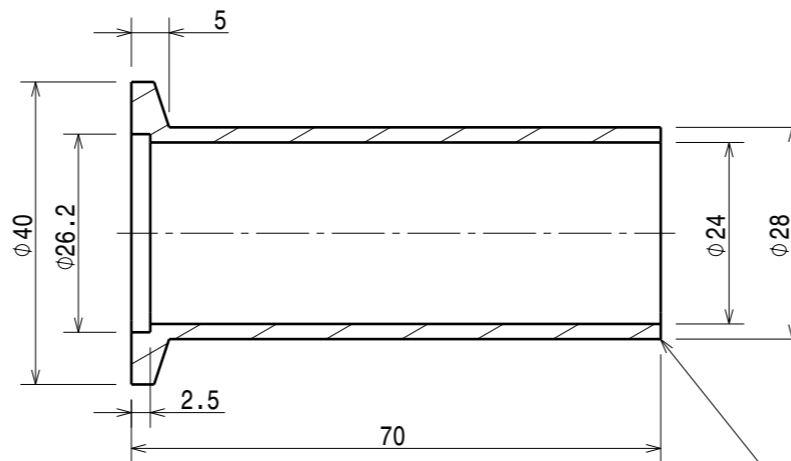
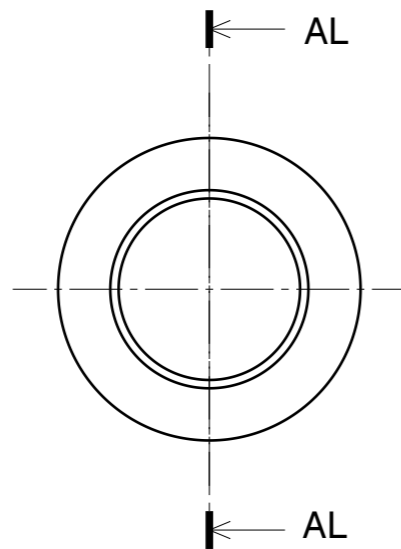
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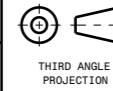
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Section view AL-AL

36

DRG.NO	▽ 8-25	▽▽ 1.6-8	▽▽▽ 0.025-1.6	▽▽▽▽ < 0.025	REVISION COLUMN					ASS'Y GROUP/ DIVISION: APD/IPR	SIZE A3	 INSTITUTE FOR PLASMA RESEARCH BHAT, GANDHINAGAR-382 428. INDIA			
CO-ORDINATED BY					REV	ZONE	DESCRIPTION	DATE	REMARKS	APPROVED BY	ALL DIMENSIONS ARE IN 'mm' UNLESS OTHERWISE STATED		 TITLE PART 36		
COMPONENT MANUFACTURING/FABRICATION AND ASSEMBLY AS PER ASME Y 14.5 AND ISO 2768										SCALE	NTS	DATE	REF DRG NO: IPR/APD/20/A3/CBUTF/B	REV 00	
											DRAWN	SK PATNAIK	DRG.NO	IPR/APD/20/A3/CBUTF/B/01	SHEET 33 OF 35
											CHECKED	ATIK MISTRY			
											APPROVED				

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H G F E D C B A

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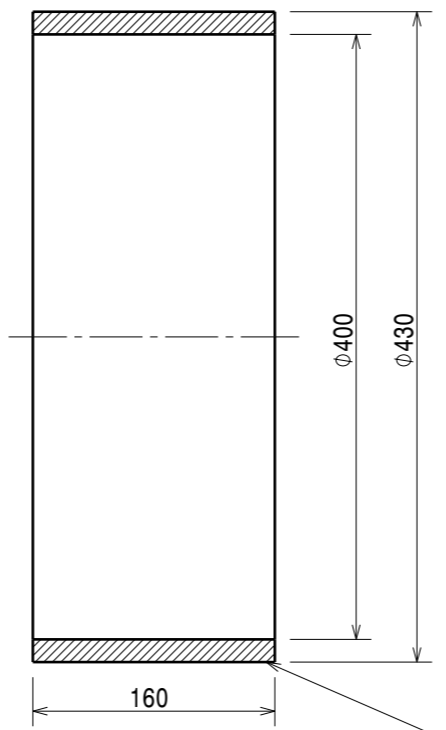
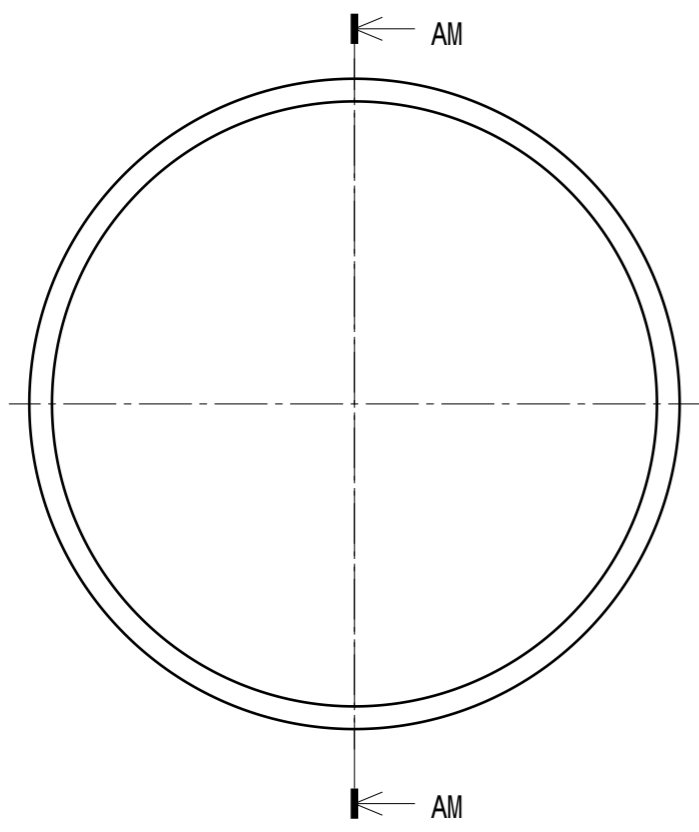
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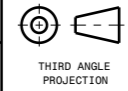
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Section view AM-AM

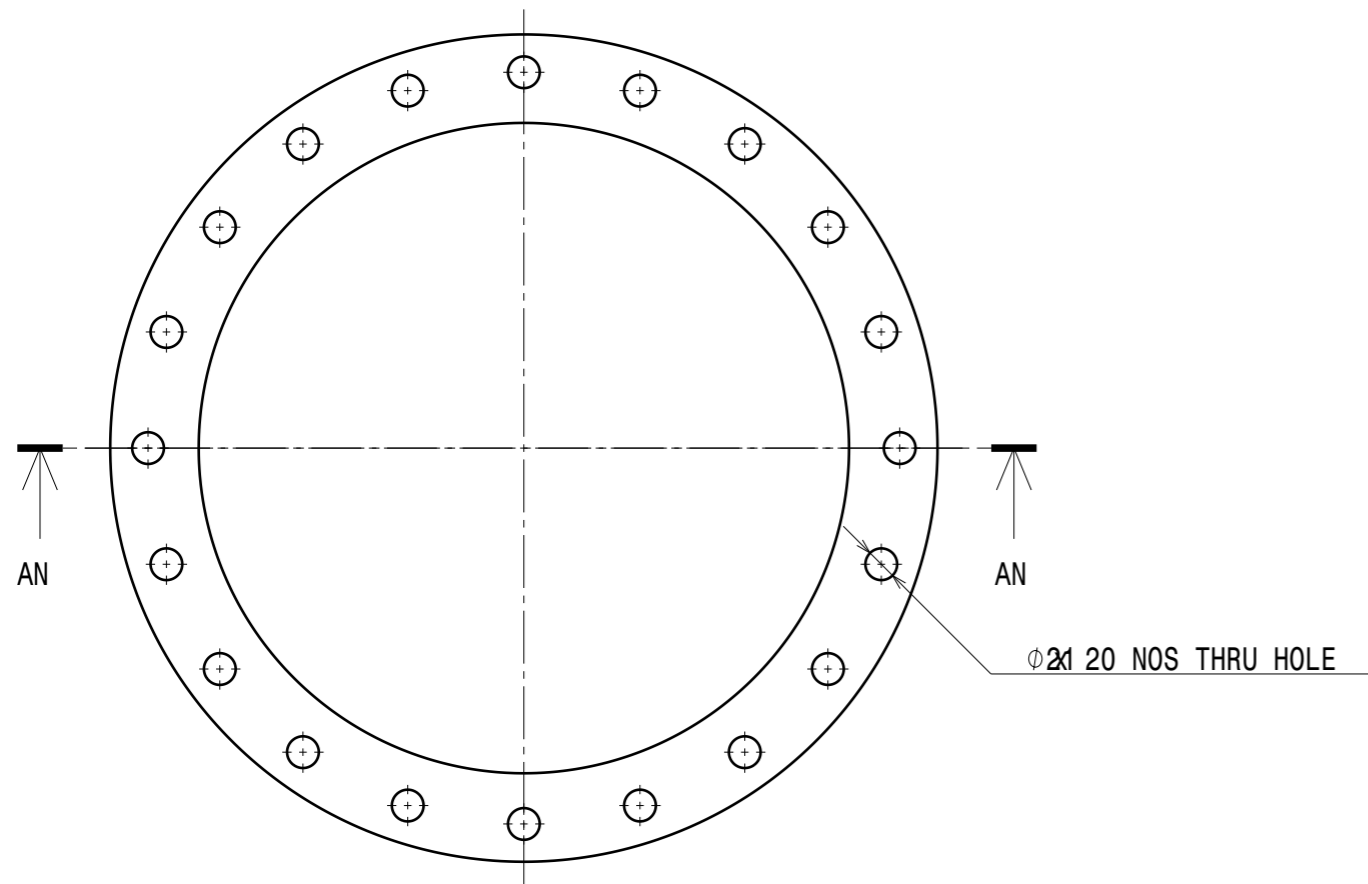
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DRG.NO	▽ 8-25	▽▽ 1.6-8	▽▽▽ 0.025-1.6	▽▽▽▽ < 0.025	REVISION COLUMN					ASS'Y GROUP/ DIVISION: APD/IPR	SIZE A3	 INSTITUTE FOR PLASMA RESEARCH BHAT, GANDHINAGAR-382 428. INDIA					
CO-ORDINATED BY					REV	ZONE	DESCRIPTION	DATE	REMARKS	APPROVED BY	ALL DIMENSIONS ARE IN 'mm' UNLESS OTHERWISE STATED		TITLE PART 37				
COMPONENT MANUFACTURING/FABRICATION AND ASSEMBLY AS PER ASME Y 14.5 AND ISO 2768											SCALE	NTS	DATE	 THIRD ANGLE PROJECTION	REF DRG NO: IPR/APD/20/A3/CBUTF/B	REV 00	
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											CHECKED	ATIK MISTRY					
											APPROVED						

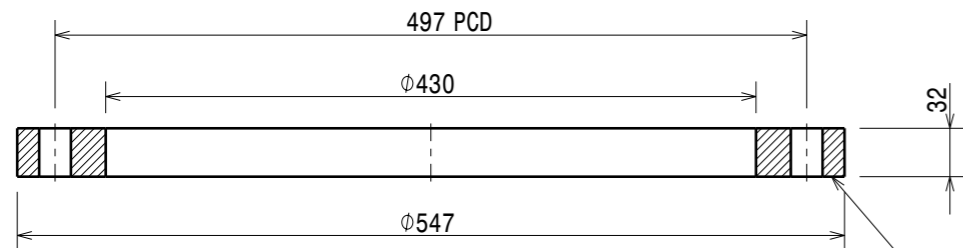
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Ø21 20 NOS THRU HOLE

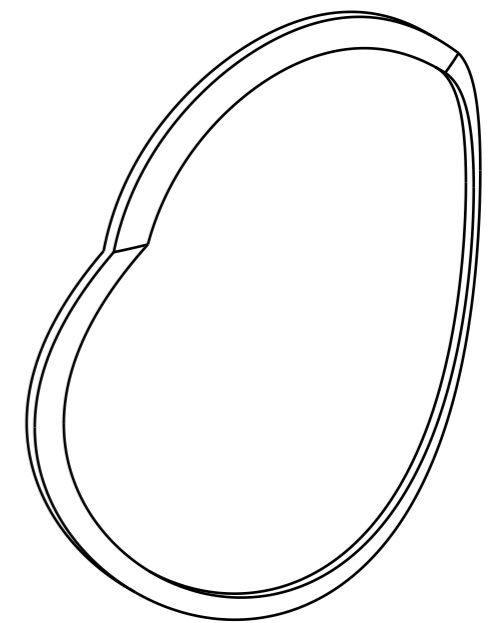
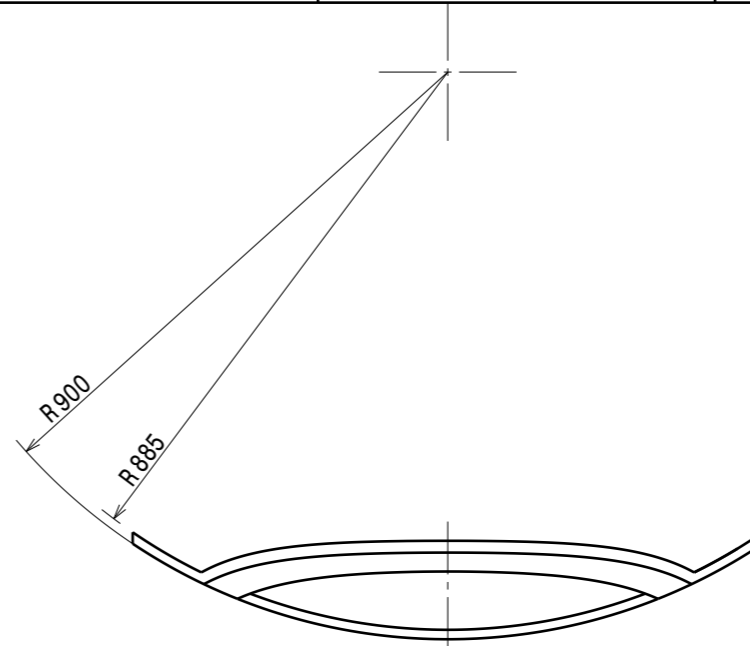


Section view AN-AN

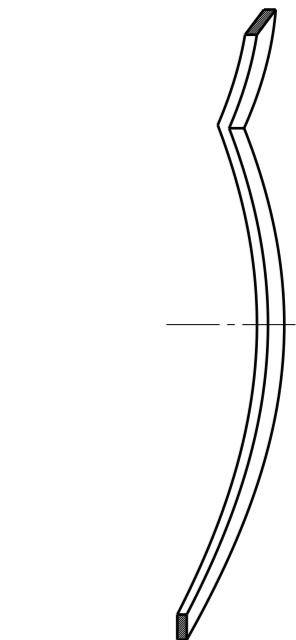
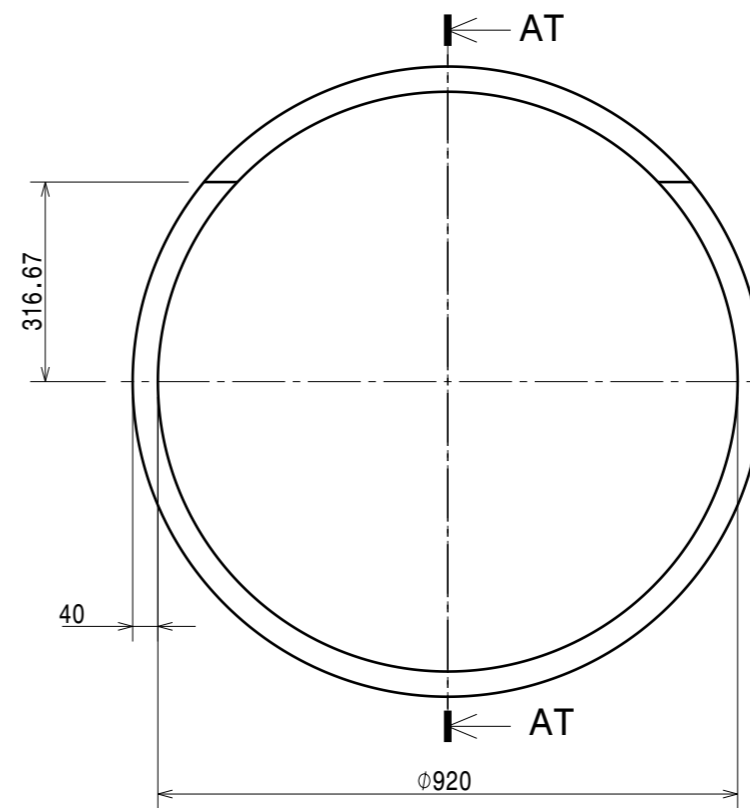
38

NOTES :-

1. INTIGRAL TYPE FLANGE SHOULD BE FABRICATED.
2. RAISED FACE THICKNESS OF 2 mm SHALL BE MACHINED IN EXCESS OF FLANGE THICKNESS.



Isometric view



Section view AT-AT

PLEASE REFER DRG. NO-
IPR/APD/20/A3/CBWF/B/01/4 FOR PROFILE CUT.

DRG.NO	▽ 8-25	▽▽ 1.6-8	▽▽▽ 0.025-1.6	▽▽▽▽ < 0.025	REVISION COLUMN					ASS'Y GROUP/ DIVISION: APD/IPR	SIZE A3	INSTITUTE FOR PLASMA RESEARCH BHAT, GANDHINAGAR-382 428. INDIA				
CO-ORDINATED BY					REV	ZONE	DESCRIPTION	DATE	REMARKS	APPROVED BY	ALL DIMENSIONS ARE IN 'mm' UNLESS OTHERWISE STATED		TITLE			
COMPONENT MANUFACTURING/FABRICATION AND ASSEMBLY AS PER ASME Y 14.5 AND ISO 2768											SCALE	NTS	DATE	 THIRD ANGLE PROJECTION	PART 38	
											DRAWN	SK PATNAIK				
											CHECKED	ATIK MISTRY	REF DRG NO: IPR/APD/20/A3/CBWF/B			REV 00
											APPROVED		DRG.NO IPR/APD/20/A3/CBWF/B/01			SHEET 35 OF 35