

TABLE 1

POINT	X	Y
1	-912.9	-570.5
2	-526.8	-624.2
3	-542.2	-677.5
4	-559.2	-730.3
5	-577.9	-782.6
6	-598.4	-834.1
7	-620.8	-884.9
8	-645.2	-934.7
9	-670.8	-983.7
10	-702.8	-1030.7
11	-732.4	-1076.3
12	-766.8	-1119.8
13	-804.2	-1160.7
14	-845.0	-1198.4
15	-889.2	-1231.8
16	-937.0	-1260.0
17	-988.0	-1281.6
18	-1041.7	-1295.3
19	-1098.9	-1300.0
20	-1112.9	-1300.0

TABLE 2

POINT	X	Y	Z
1M	-2236.3	900	-936.2
2M	-2020	1117.3	-458.4
3M	-1827.4	900	-936.2
4M	-2020	703.4	-458.4
5M	-1644.2	-476.5	-1161.8
6M	-1532	-355.7	-1062.9
7M	-1411.3	-476.5	-1062.9
8M	-1532	-598.7	-1136.2

*** CAUTION**
 DIMENSIONS INDICATED ARE WITHOUT CONSIDERING FINISH MACHINING ALLOWANCE AT THE PARTING PLANE. FINISH MACHINING ALLOWANCE OF 0.10 TO 0.15mm AT ALL PARTING PLANES SHALL BE ENSURED DURING FINISH, ASSEMBLY & WELDING STAGES.

NOTES AND DOCUMENTS MENTIONED:

- MACHINING AND CHECKING RULES ACCORDING TO IS 7029/9
- DEVIATIONS FOR DIMENSIONS WITHOUT INDICATION OF TOLERANCE ACCORDING TO IS 7029/9
- VALUES OF GEOMETRIC TOLERANCES ARE THE MAX. READING ON THE GAUGE (F.R.)
- WELDS BETWEEN FLANGE (ITEM 11-12-15-16-17) AND ENVELOPE MUST BE A FULL PENETRATED
- FOR DIMENSIONS NOT TOLERANCED $D \ge 3150$, DEVIATIONS JS15/JS15 FOR BORE DIMENSIONS OF ≥ 3150 , JS9
- THE NOZZLES DIMENSIONS ARE RELEVANT TO FINAL MACHINED PROFILE
- CART OUT WELDING AS PER APPROVED WPS FOR SPECIFIED MATERIALS IN TECHNOLOGICAL PROCESSES
- USE ONLY QUALIFIED WELDERS
- WEIGHT LOWER PART CASING: 18472kg
- WEIGHT UPPER PART CASING: 12410kg
- ROUNDED BOTTOM (DISHED END) PROFILE TO BE EXTENDED UP TO PARTING PLANE. HAS BEEN SHOWN IN TABLE 1 WITH CO-ORDINATES FROM 1 TO 20. THESE POINTS ARE TO BE MARKED ON THE PARTING PLANE. THE INTERFACE PROFILE OF THE SHELL, ALONG WITH THE ROUNDED BOTTOM, WITH PARTING PLANE FLANGE CAN BE IDENTIFIED WHEN THE HALF SHELL, ALONG WITH ROUNDED BOTTOM, IS KEPT ON THE PARTING PLANE FLANGE AND ALIGNED IN ALL THREE DIRECTIONS. ONCE THE ALIGNMENT IS DONE, THE NOZZLE PROFILE IS TO BE MARKED ON THE PARTING PLANE FLANGES. PARTING PLANE SHALL BE TAKEN AS THE REFERENCE FOR GENERATING THE PROFILE ON THE PARTING PLANE FLANGE BY SUITABLE METHOD OF REMOVING THE EXTRA MATERIAL. THIS IS APPLICABLE FOR ALL THE FOUR CORNERS OF EACH HALF CASING.

GENERAL DIMENSIONAL LIMITS, FITS & TOLERANCES AS PER HY0230261

VIEW FROM M1

VIEW FROM N1

DETAIL M

DETAIL N

TABLE 1

TABLE 2

*** CAUTION**

NOTES AND DOCUMENTS MENTIONED:

TYPE OF PRODUCT
 ZMCL 1007

NAME OF CUSTOMER/PROJECT
 BHARATI HEAVY ELECTRICALS LTD. HYDRABAD

DEVELOPER
 SUDHAKAR SINGH

SCALE
 1:1

TITLE
 FABRICATED CASING ASSEMBLY

DRAWING NO.
 0-331-07-000321

REV.

REV.	DATE	ALTERED	ZONE
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			

REVISION HISTORY

REV.	DATE	ALTERED	ZONE
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			

GENERAL DIMENSIONAL LIMITS, FITS & TOLERANCES AS PER HY0230261

DETAIL-B

DETAIL-D

DETAIL-E

SECTION C-C

SECTION H-H

SECTION F-F

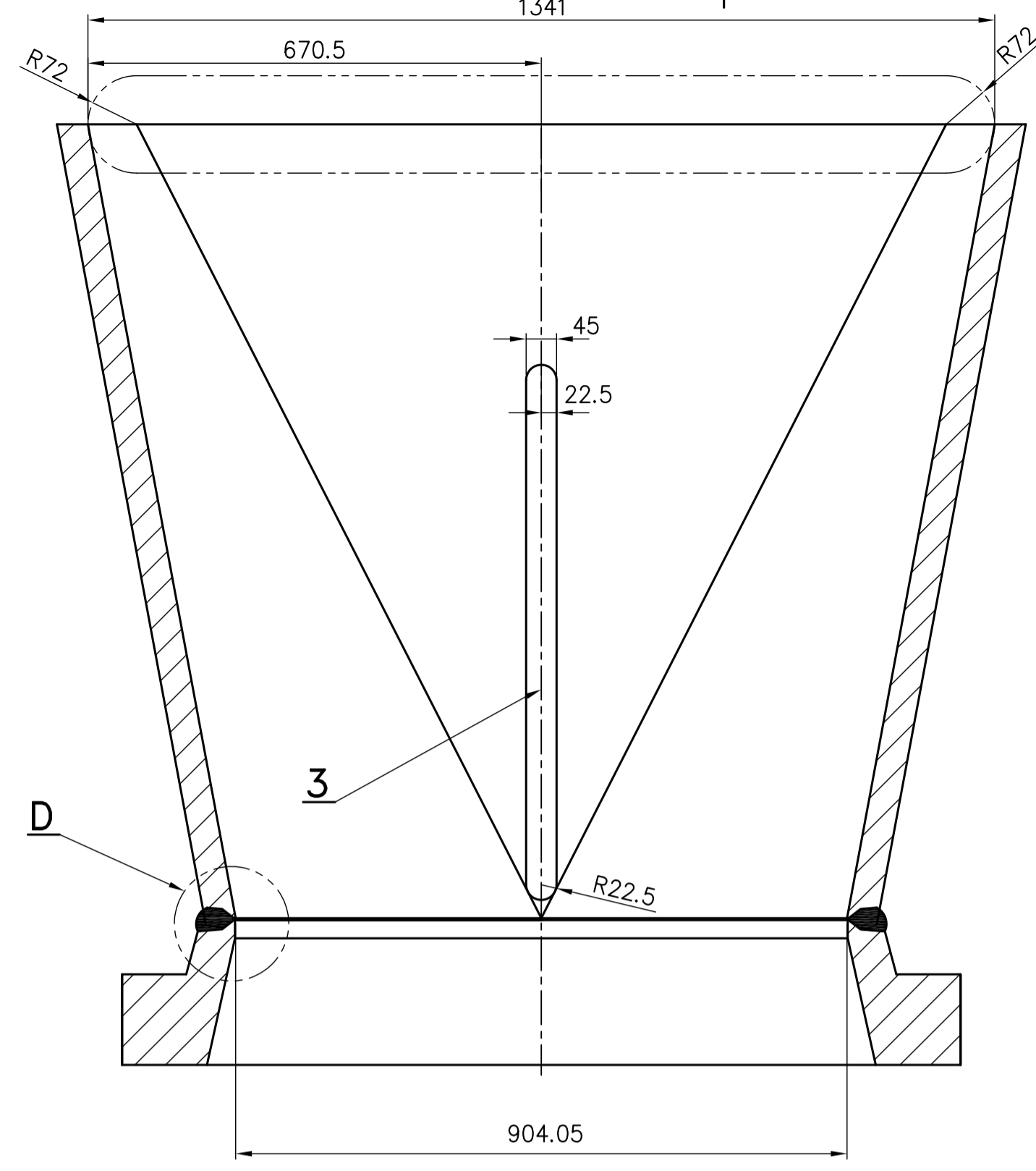
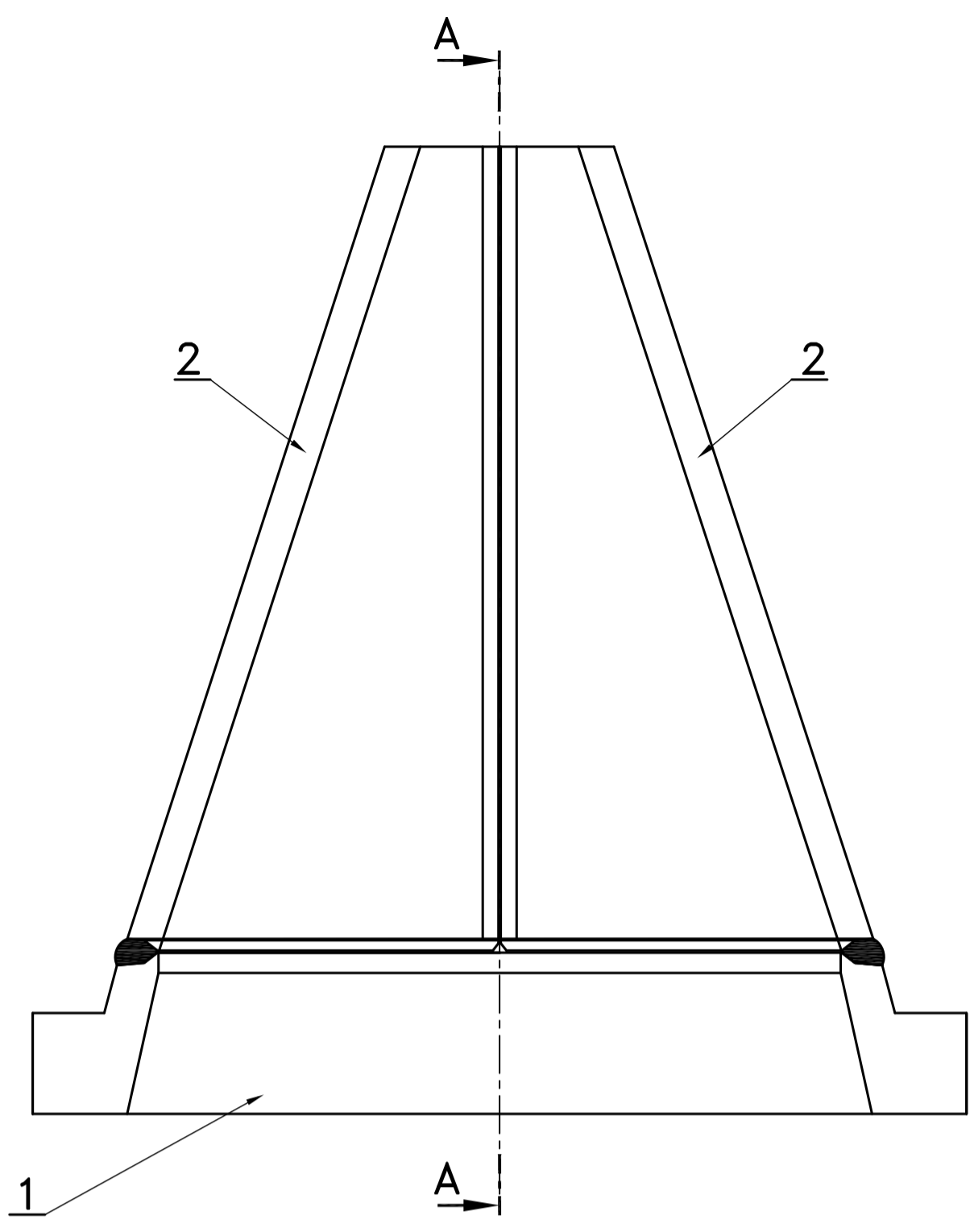
SECTION G-G

SECTION J-J

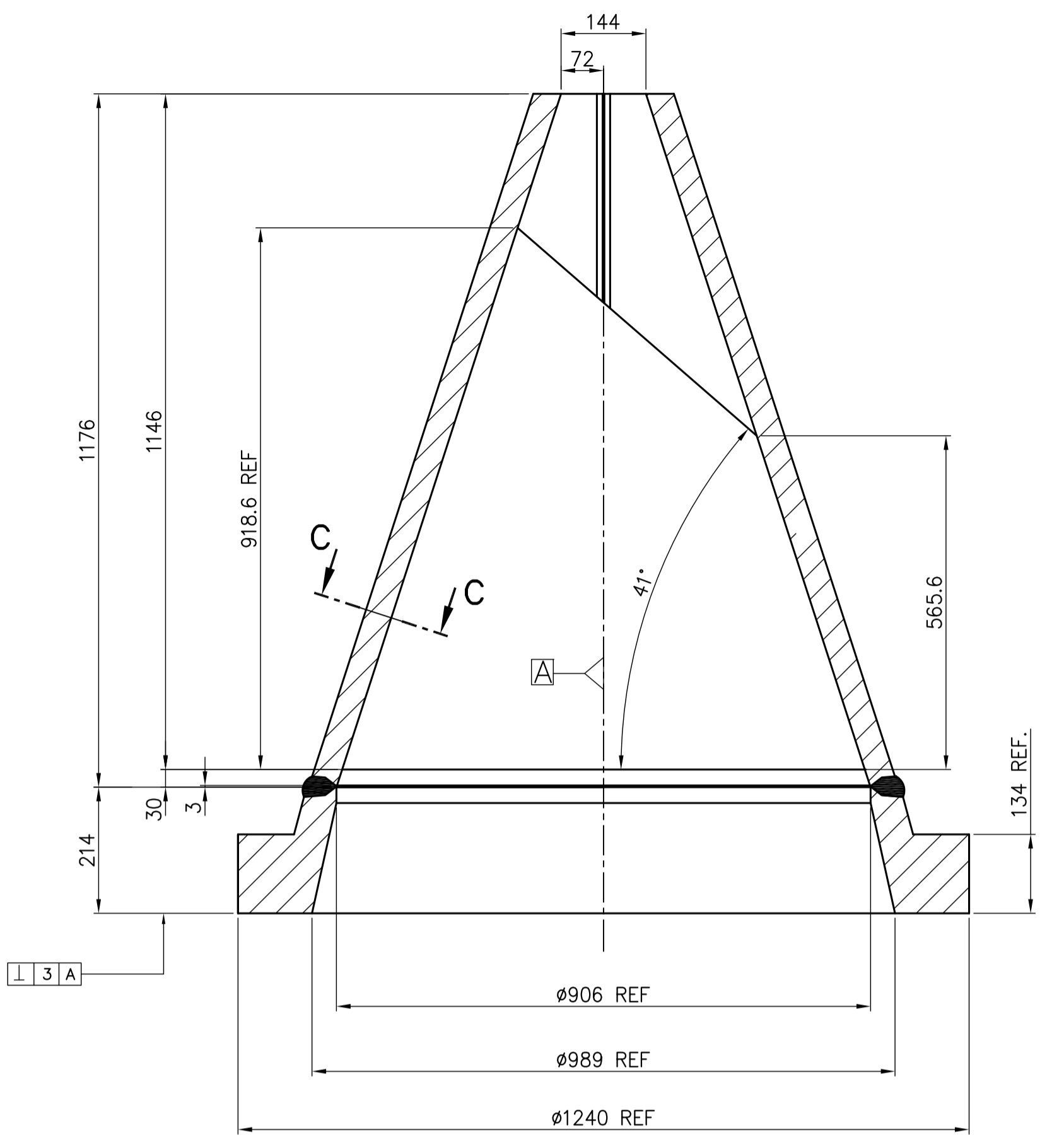
SECTION K-K

DETAIL-L

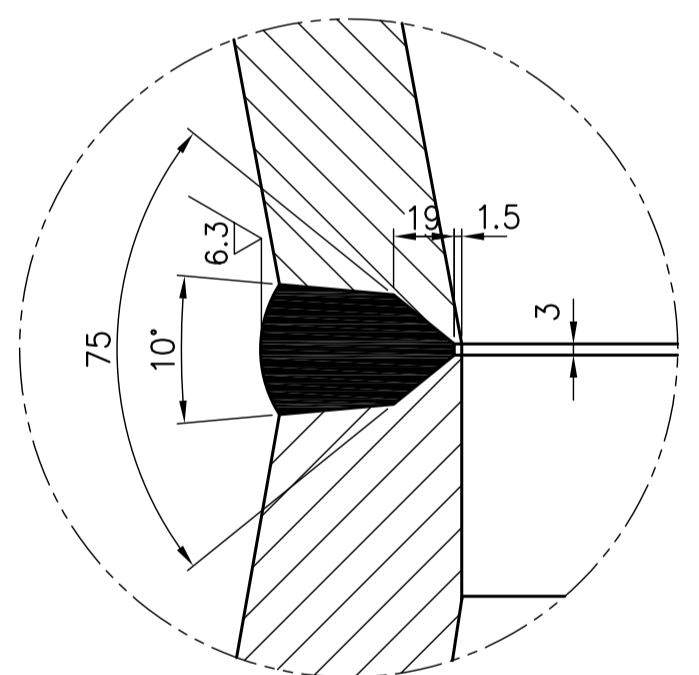
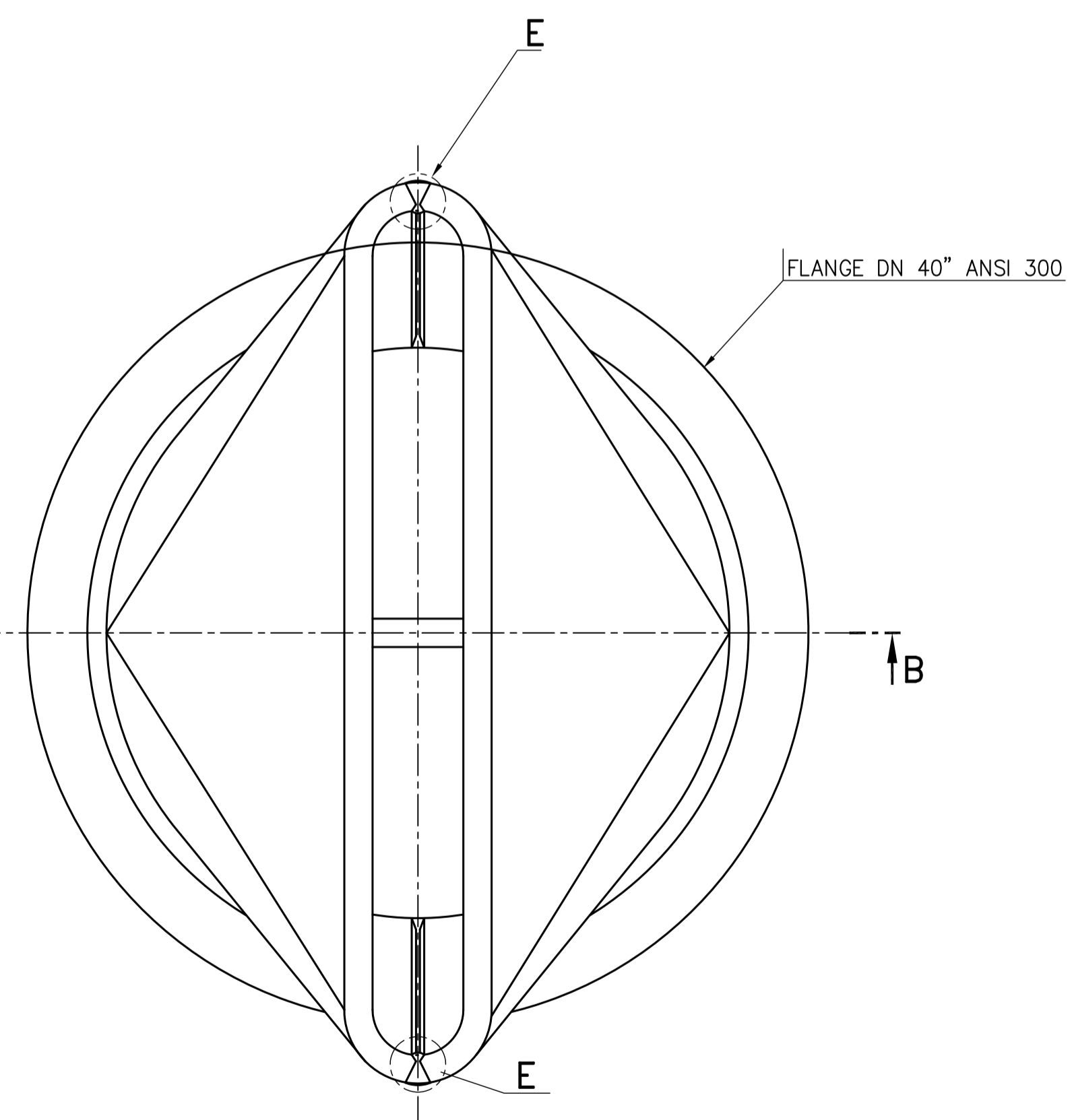
THE INFORMATION ON THIS DOCUMENT IS THE PROPERTY OF BHARAT HEAVY ELECTRICALS LIMITED. IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO THE INTEREST OF THE COMPANY.
 GENERAL DIMENSIONAL LIMITS, FITS & TOLERANCES AS PER HY0230261
 INVENTORY NO. _____
 SIGN. AND DATE _____
 REF. DRG. NO. _____
 COMPUTER FILE NAME _____



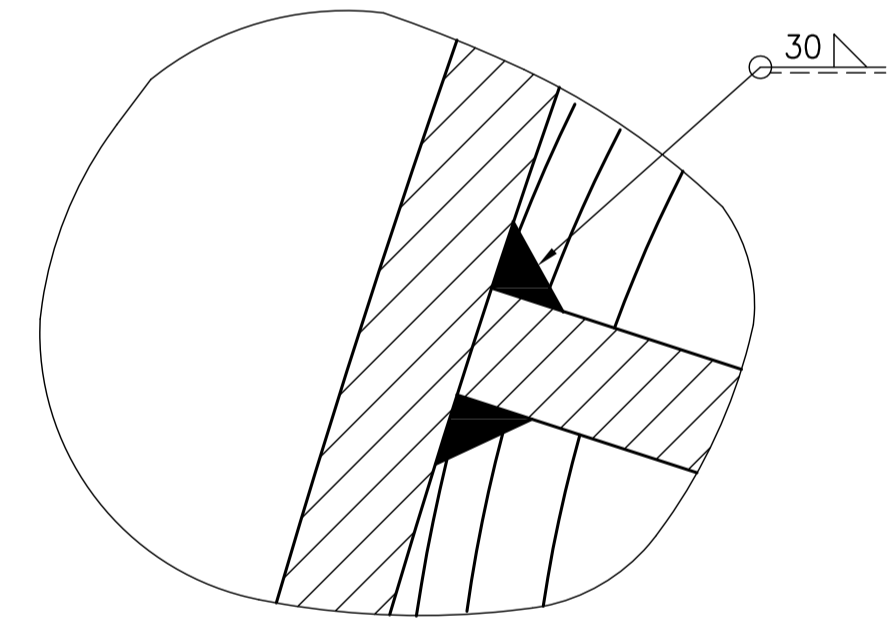
SECTION A-A



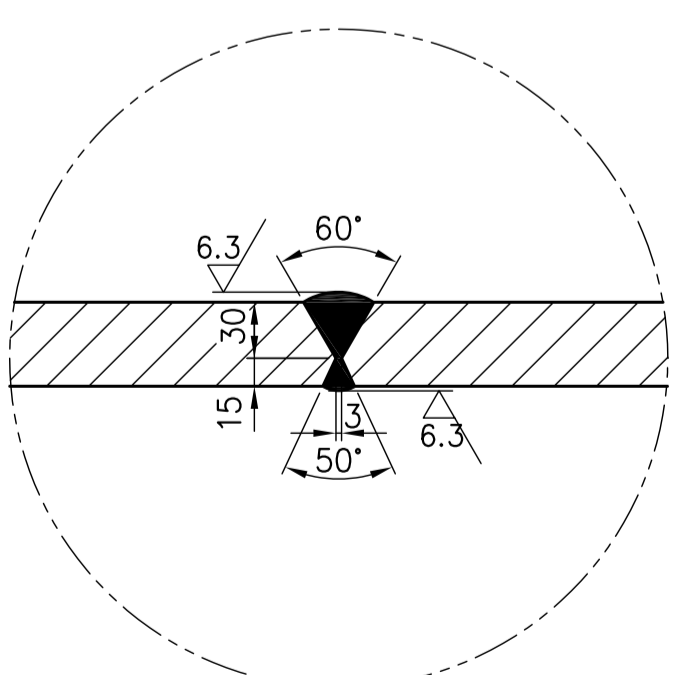
SECTION B-B



DETAIL-D



SECTION C-C



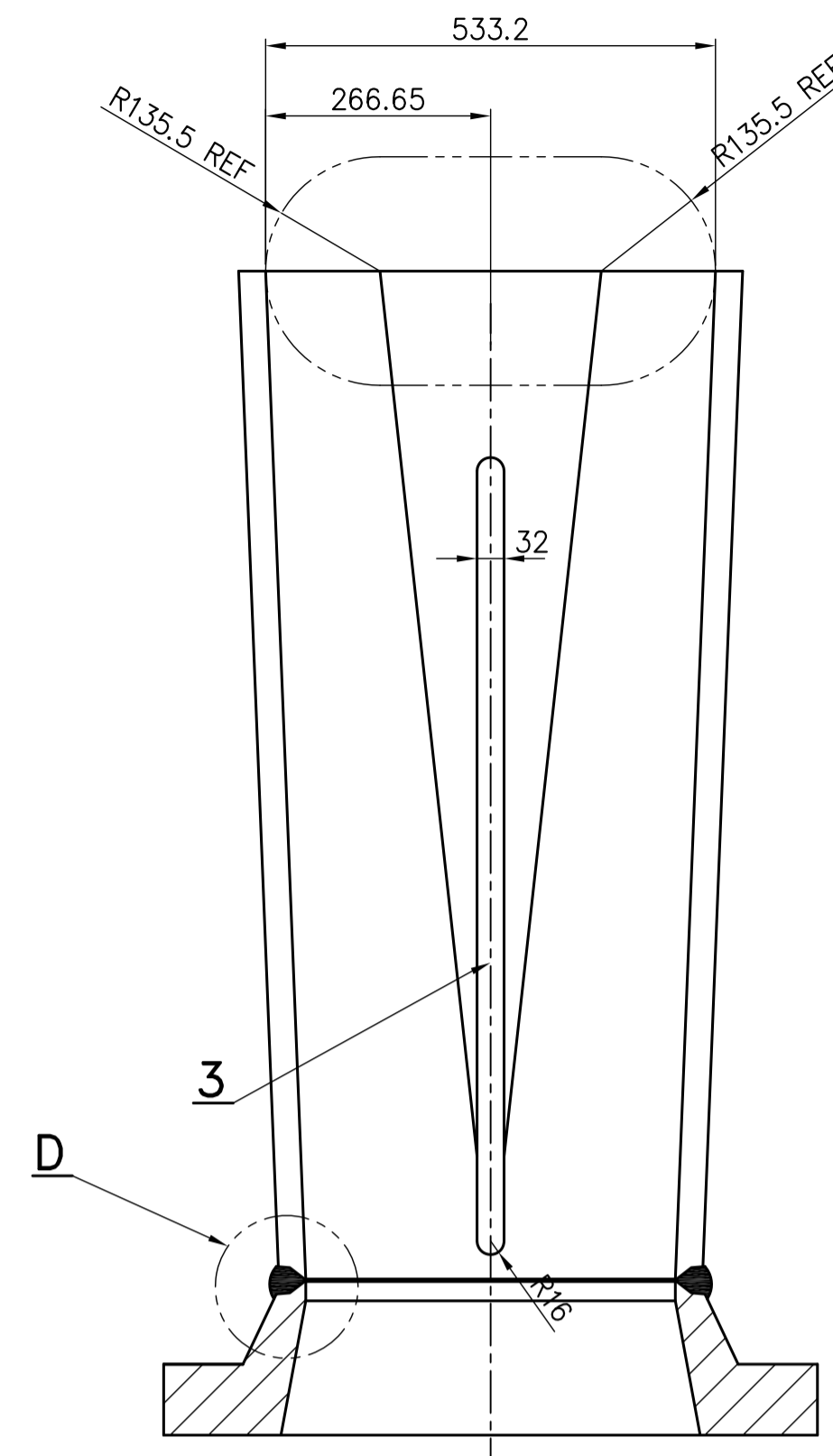
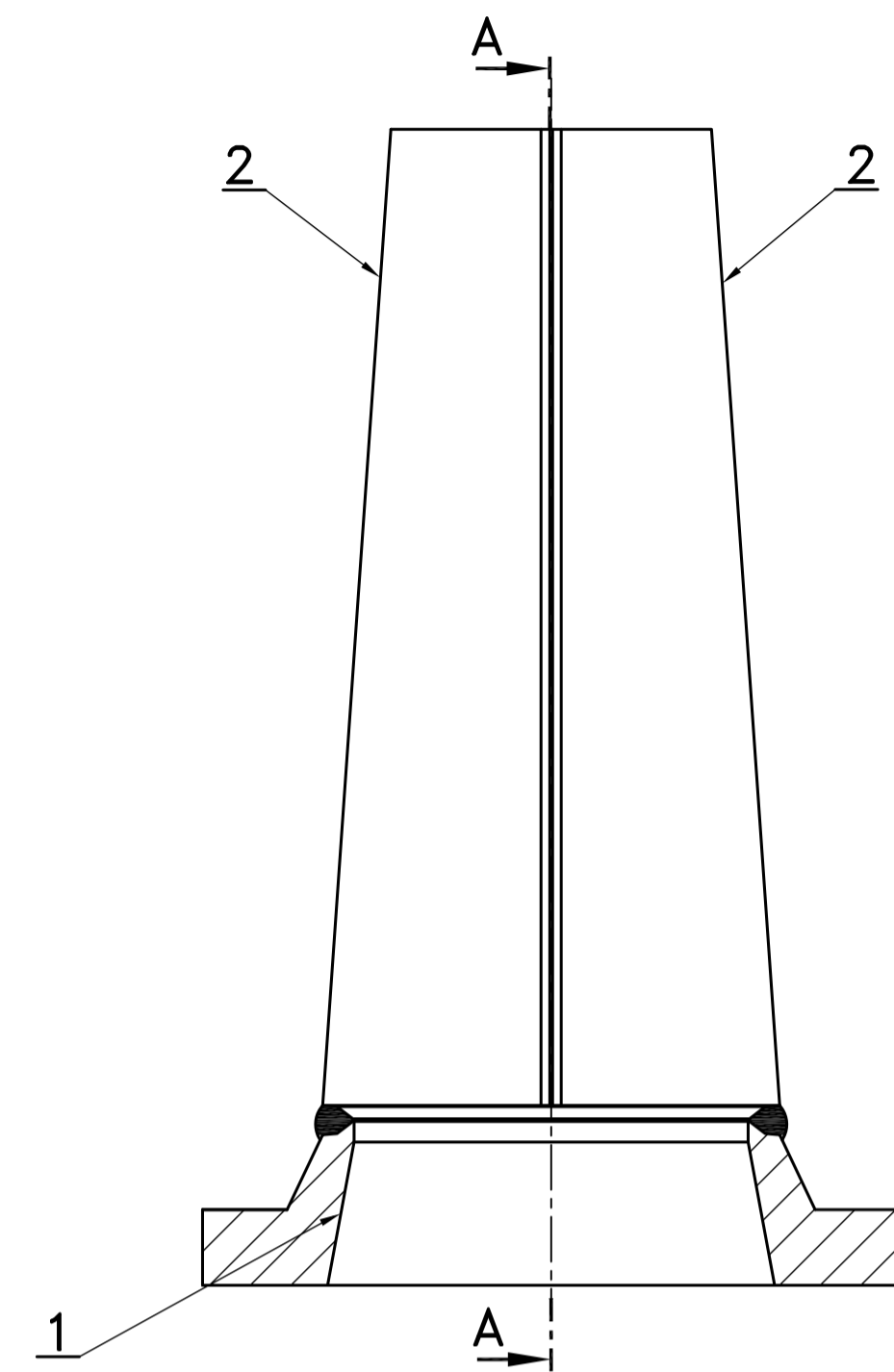
DETAIL-E

NOTES AND DOCUMENTS MENTIONED:

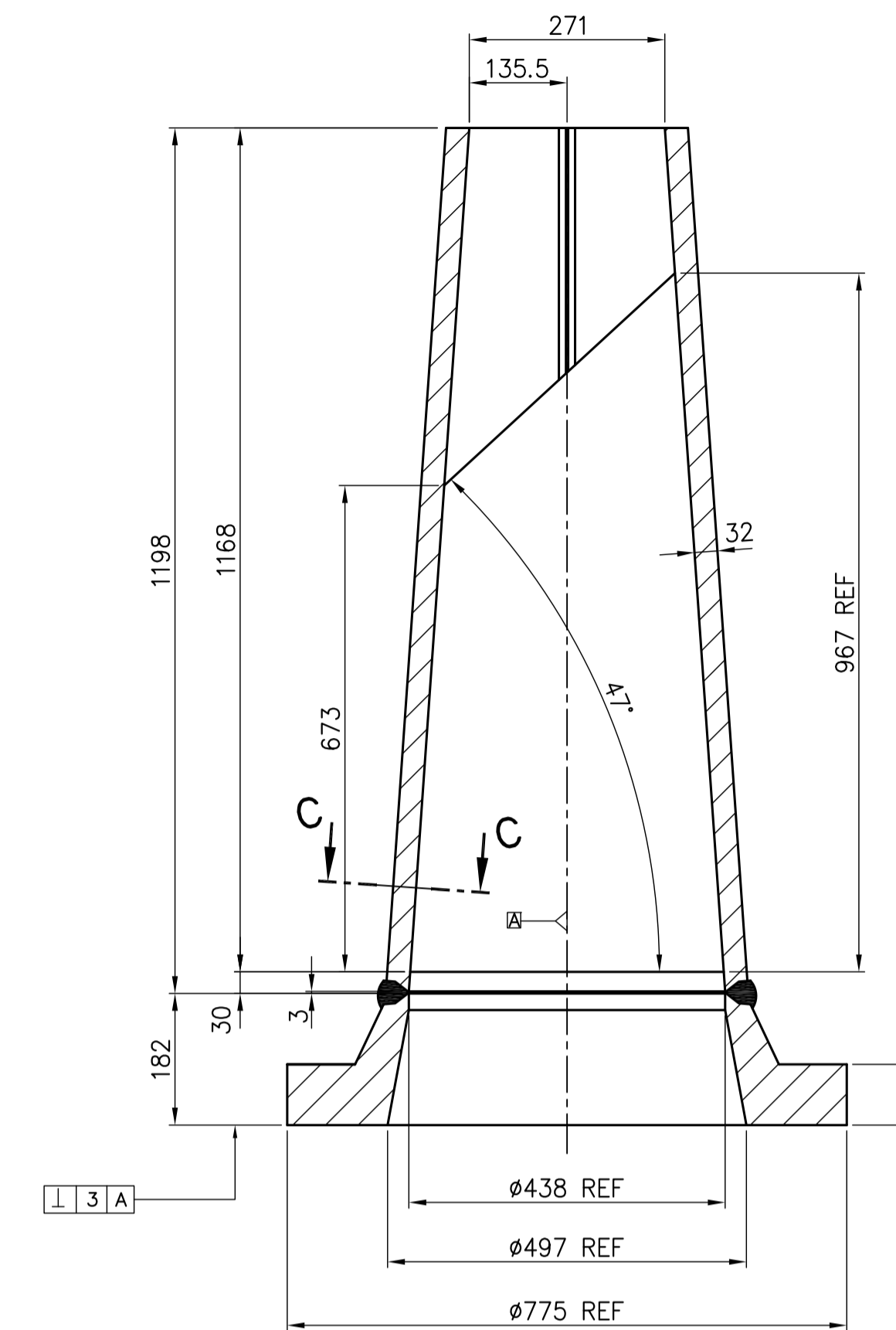
1. THE VALUES OF THE GEOMETRICAL TOLERANCES ARE THE MAX READING ON THE GAUGE (F.I.R.)
2. CARRY OUR WELDING AS PER WPS - WE001
3. SEQUENCE OF WELDING SHALL BE FOLLOWED AS SPECIFIED IN TECHNOLOGICAL PROCESS
4. USE ONLY QUALIFIED WELDERS
5. ALL WELDS SHALL BE CHECKED FOR 100% RADIOGRAPHY AS PER TC 72062.
6. WHEREVER 100% RADIOGRAPHY IS NOT FEASIBLE ALL WELDS SHALL BE SUBJECTED TO 100% UT AS PER TC 72063.
7. 100% MPI AS PER TC 72060.

TYPE OF PRODUCT		2MCL 1007			
OR		NAME OF CUSTOMER/PROJECT			
DEPT.	COMPR CODE	UNTO. DIMS. GR. G/M/F	SCALE	WEIGHT (KG)	REF. TO GENP. DRG.
JCS	420		NTS	1865	
TITLE		CARD CODE		DRAWING NO.	
1st SUCTION NOZZLE		N.A.		1-331-07-00032_00	
		SHT. No 01		NO. OF SHT. 01	

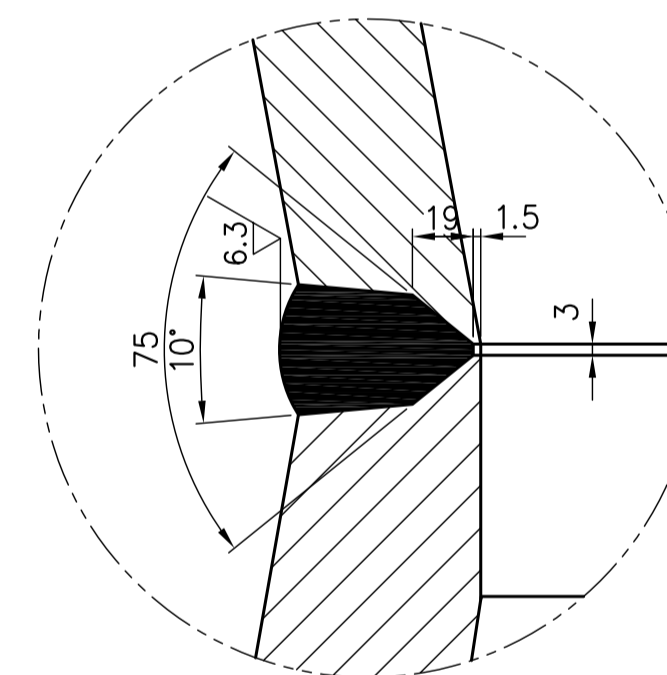
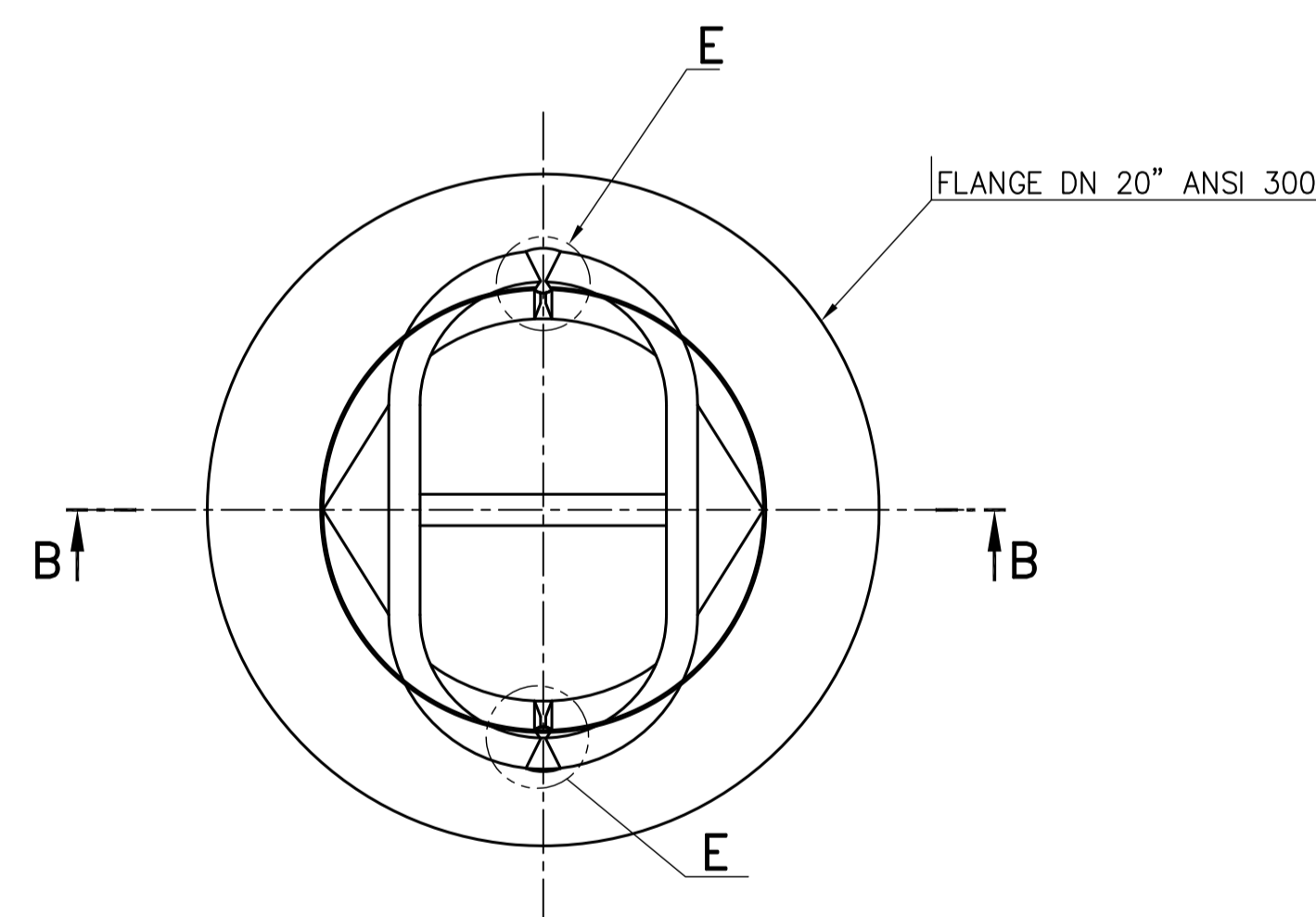
DRG. NO. 1-331-07-0007



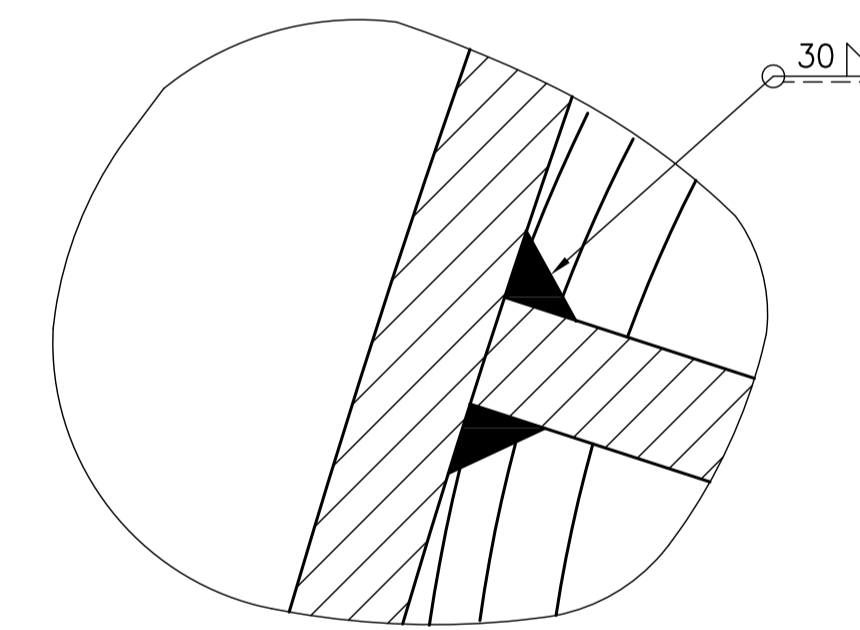
SECTION A-A



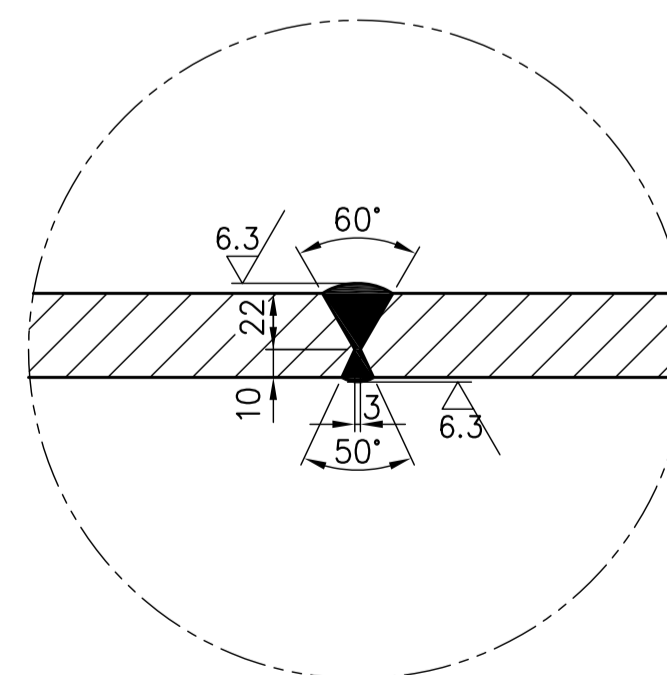
SECTION B-B



DETAIL-D



SECTION C-C



DETAIL-E

NOTES AND DOCUMENTS MENTIONED:

1. THE VALUES OF THE GEOMETRICAL TOLERANCES ARE THE MAX READING ON THE GAUGE (F.I.R.)
2. CARRY OUR WELDING AS PER WPS - WE001
3. SEQUENCE OF WELDING SHALL BE FOLLOWED AS SPECIFIED IN TECHNOLOGICAL PROCESS
4. USE ONLY QUALIFIED WELDERS
5. ALL WELDS SHALL BE CHECKED FOR 100% RADIOGRAPHY AS PER TC 72062.
6. WHEREVER 100% RADIOGRAPHY IS NOT FEASIBLE ALL WELDS SHALL BE SUBJECTED TO 100% UT AS PER TC 72063.
7. 100% MPI AS PER TC 72060.

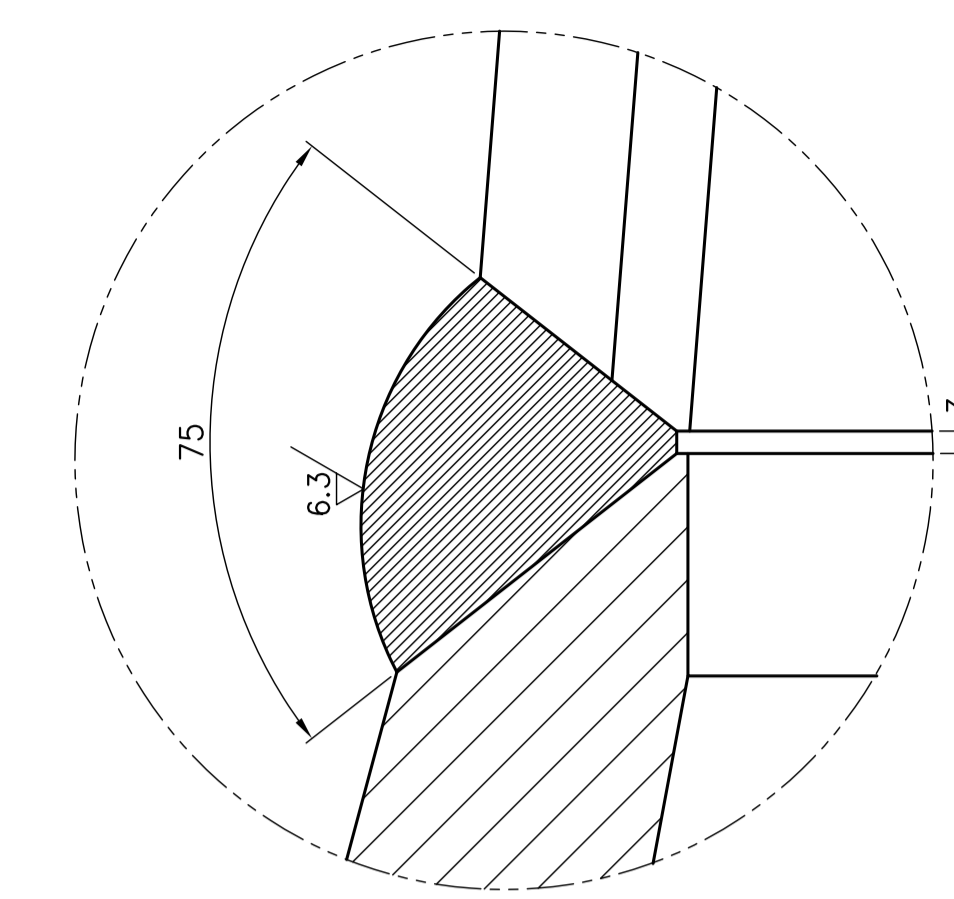
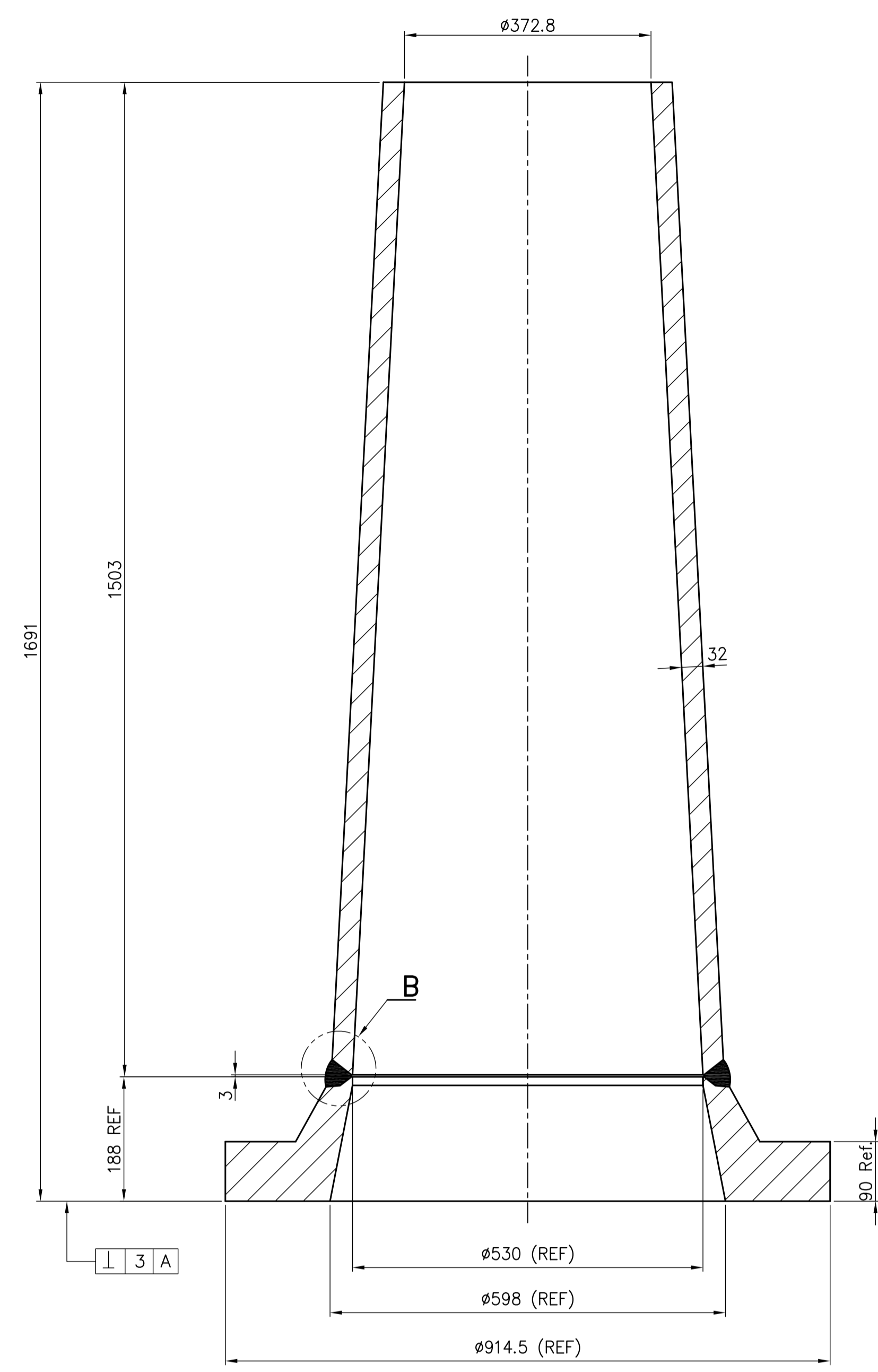
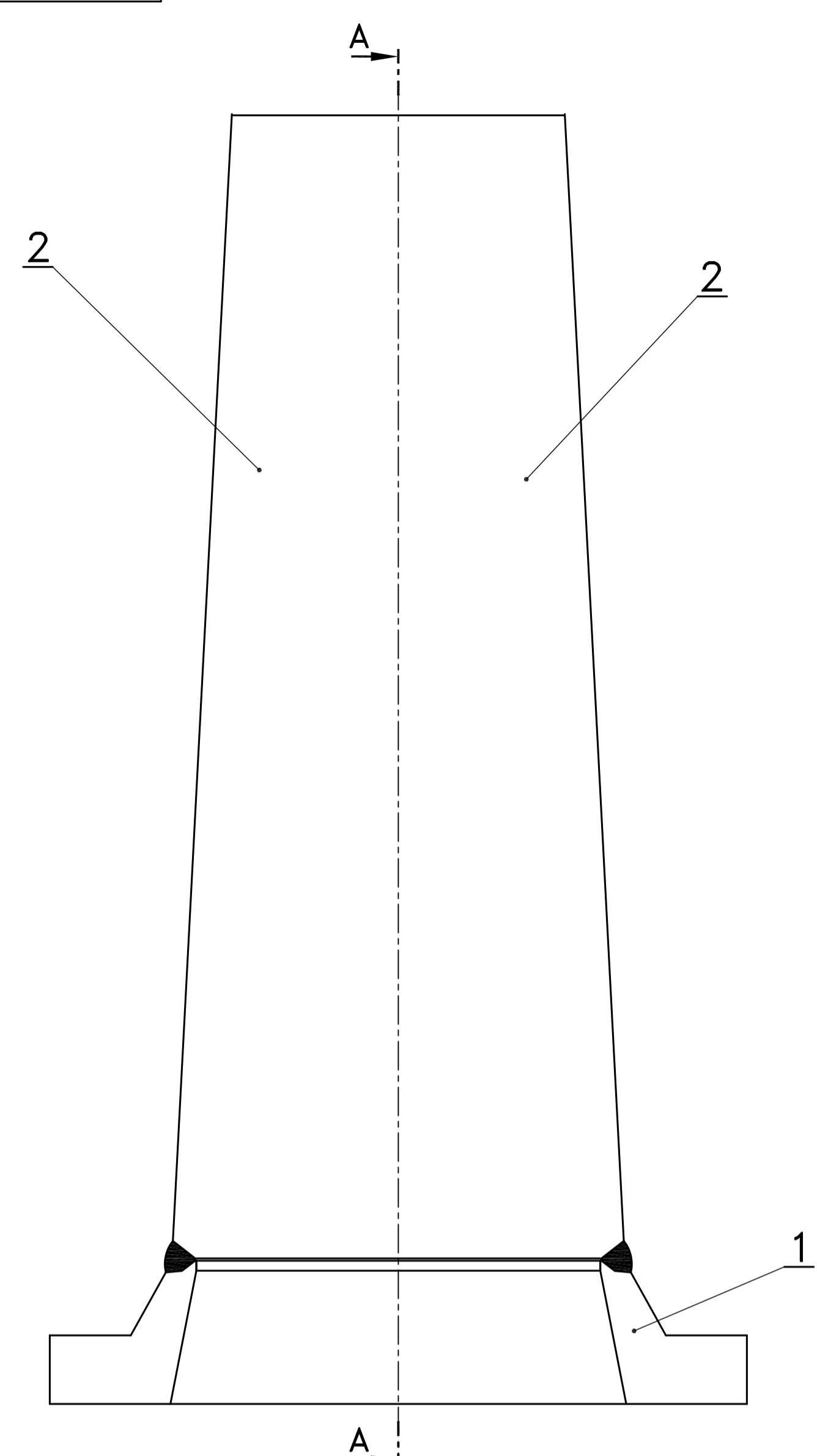
TYPE OF PRODUCT		2MCL 1007			
OR		NAME OF CUSTOMER/PROJECT			
DEPT.	COMPR	UNTO L	DIMS.	SCALE	WEIGHT (KG)
420		G/M/F		NTS	774
Bharat Heavy Electricals Ltd.		DRN.	NAME	SIGN.	DATE
HYDERABAD		CHD.	SUGUNA		07.11.22
		APPD.	YVRL		07.11.22
REF. TO GENP. DRG.	ITEM NO.	NO. OF			
SW 4586402	-N.A.-	ITEMS			
TITLE 2ND SUCTION NOZZLE		CARD	DRAWING NO.		
DIA 20" - 300#		CODE	1-331-07-00033 00		
		N.A.	REV.		
			SHT. No 01 NO. OF SHT. 01		

THE INFORMATION ON THIS DOCUMENT IS THE PROPERTY OF BHARAT HEAVY ELECTRICALS LIMITED. IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO THE INTEREST OF THE COMPANY

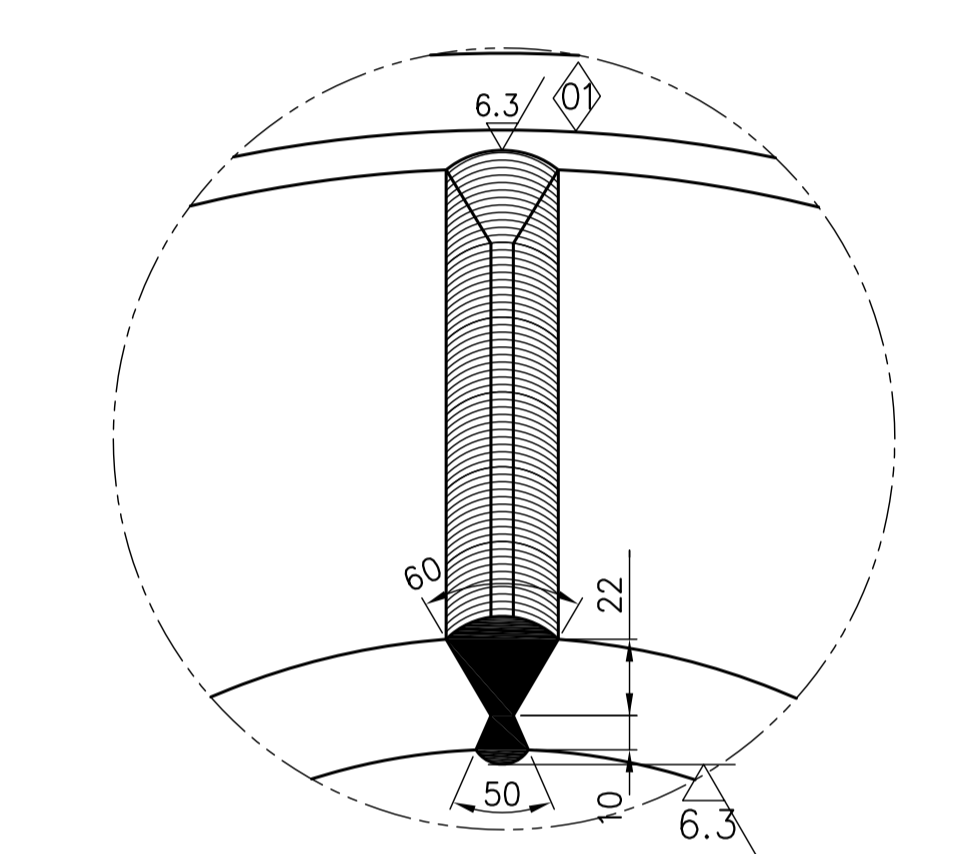
GENERAL DIMENSIONAL LIMITS, FITS & TOLERANCES AS PER HY0230261

REV.	DATE	ALTERED	REV.	DATE	ALTERED	REV.	DATE	ALTERED	REV.	DATE	ALTERED	REV.	DATE	ALTERED	REV.	DATE	ALTERED	REV.	DATE	ALTERED	
CHD/APPD		CHD/APPD	CHD/APPD		CHD/APPD	CHD/APPD		CHD/APPD	CHD/APPD		CHD/APPD	CHD/APPD		CHD/APPD	CHD/APPD		CHD/APPD	CHD/APPD		CHD/APPD	
1			2			3			4			5			6			7			8

✓ (6.3)



DETAIL-B

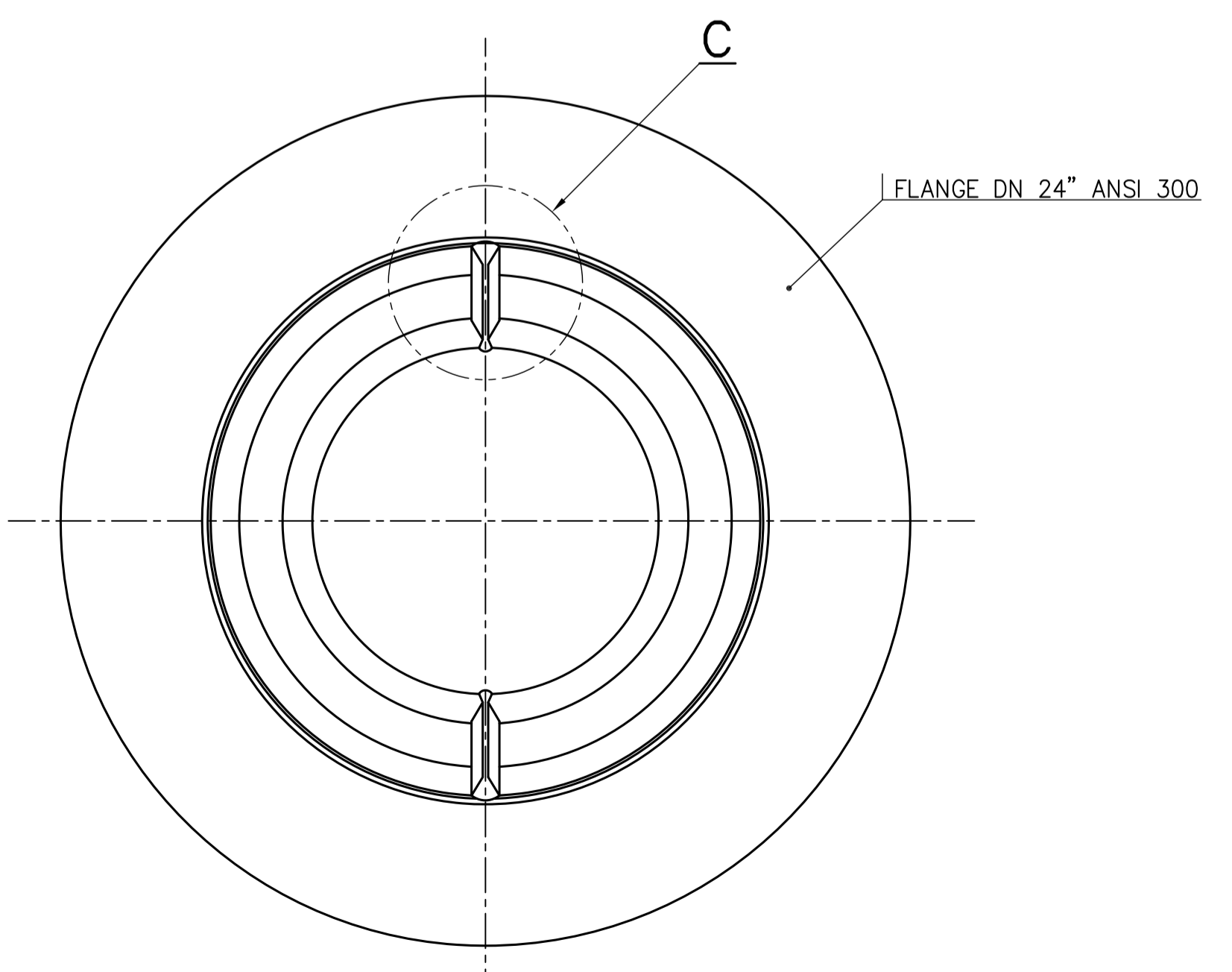


DETAIL-C

SECTION A-A

NOTES AND DOCUMENTS MENTIONED:

1. THE VALUES OF THE GEOMETRICAL TOLERANCES ARE THE MAX READING ON THE GAUGE (F.I.R.)
2. CARRY OUR WELDING AS PER WPS - WE001
3. SEQUENCE OF WELDING SHALL BE FOLLOWED AS SPECIFIED IN IN TECHNOLOGICAL PROCESS
4. USE ONLY QUALIFIED WELDERS
5. ALL WELDS SHALL BE CHECKED FOR 100% RADIGRAPHY AS PER TC 72062.
6. WHEREVER 100% RADIOGRAPHY IS NOT FEASIBLE ALL WELDS SHALL BE SUBJECTED TO 100% UT AS PER TC 72063.
7. 100% MPI AS PER TC 72060.



REV.	DATE	ALTERED	REV.	DATE	ALTERED	REV.	DATE	ALTERED	REV.	DATE	ALTERED	REV.	DATE	ALTERED
		CHD/APPD			CHD/APPD			CHD/APPD			CHD/APPD			CHD/APPD
		ZONE			ZONE			ZONE			ZONE			ZONE

TYPE OF PRODUCT		2MCL 1007			
OR		NAME OF CUSTOMER/PROJECT			
BHARAT HEAVY ELECTRICALS LTD.		DRN.	NAME	SIGN.	DATE
HYDERABAD		CHD.	DEEPAK		07.11.22
		APPD.	SUGUNA		07.11.22
			YVRL		07.11.22
DEPT.	UNTL. DIMS.	SCALE	WEIGHT (KG)	REF. TO GENP. DRG.	ITEM NO.
420	GR. G/M/F	NTS	877	SW 4586404	-N.A.-
TITLE		CARD CODE	DRAWING NO.		REV.
1st DISCH. NOZZLE		N.A.	1-331-07-00034		00
DN 24" ANSI 300			SHT. No 01	NO. OF SHT. 01	

THE INFORMATION ON THIS DOCUMENT IS THE PROPERTY OF BHARAT HEAVY ELECTRICALS LIMITED. IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO THE INTEREST OF THE COMPANY.
 INVENTORY NO. _____ SIGN. AND DATE _____ REF. DRG. NO. _____ COMPUTER FILE NAME _____
 GENERAL DIMENSIONAL LIMITS, FITS & TOLERANCES AS PER HY0230261
 JCS

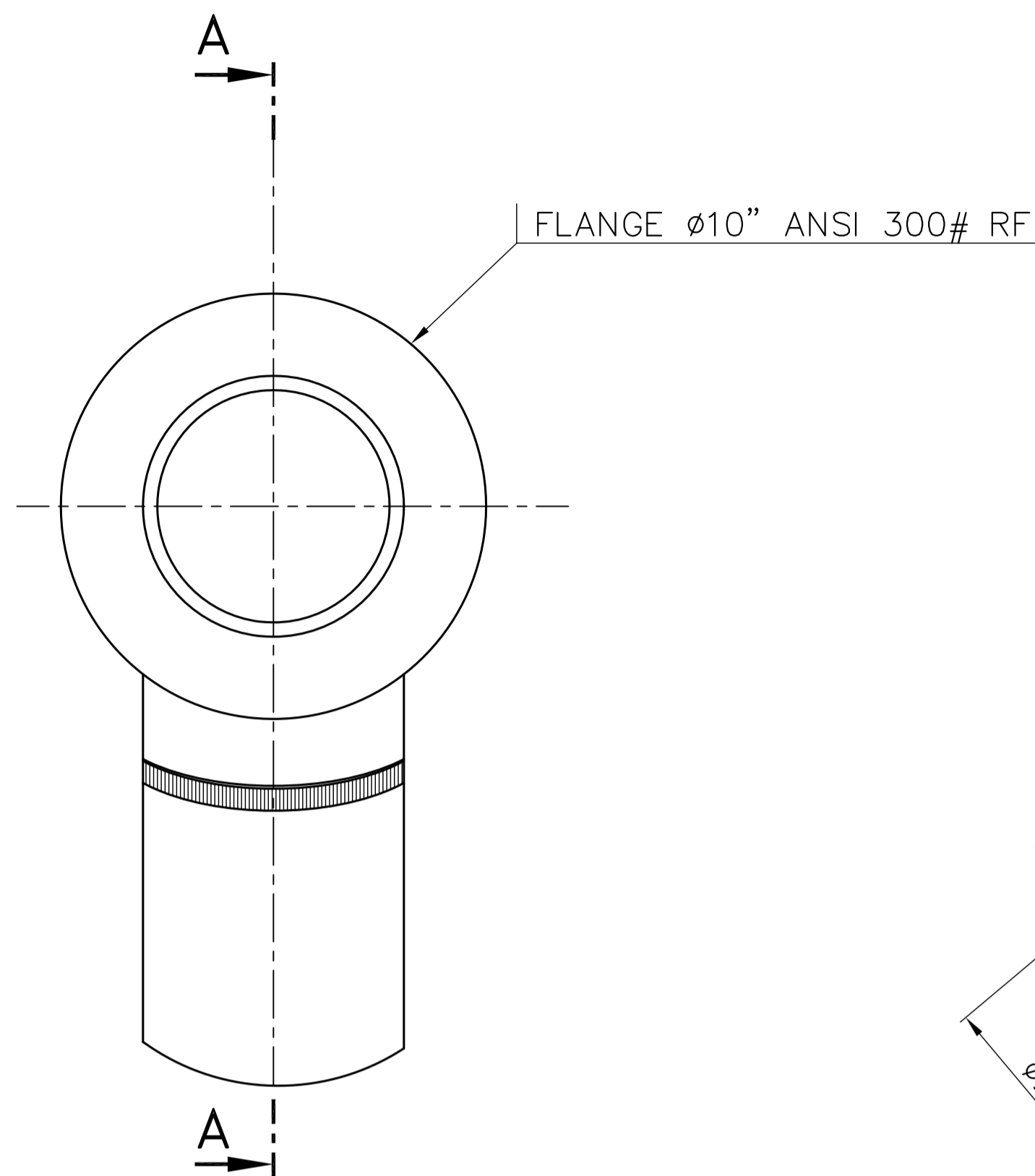
1-331-07-00035

DRG. NO. SH. 01 OF 01

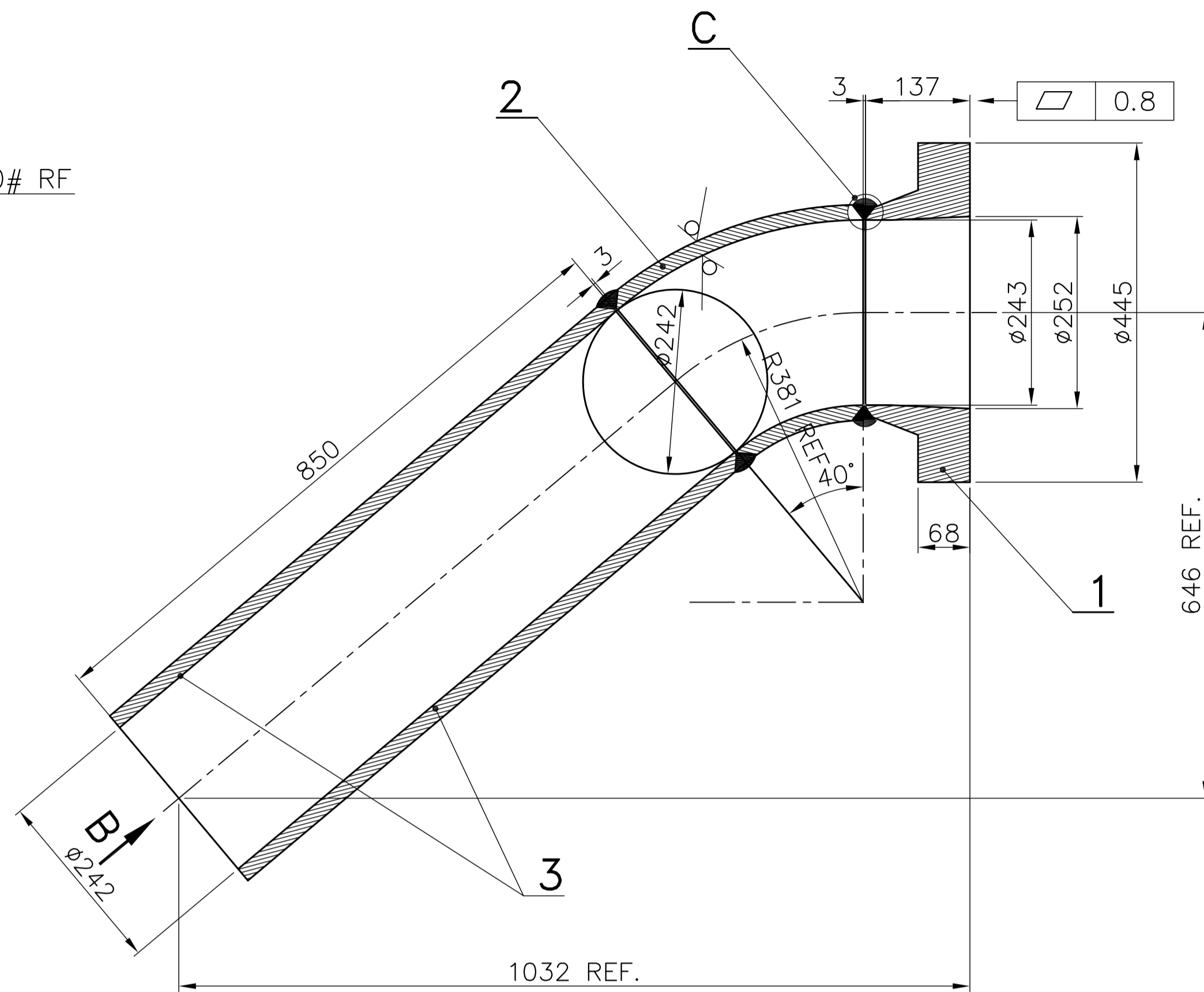
INVENTORY NO. SIGN. AND DATE REF. DRG. NO. COMPUTER FILE NAME THE INFORMATION ON THIS DOCUMENT IS THE PROPERTY OF BHARAT HEAVY ELECTRICALS LIMITED. IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO THE INTEREST OF THE COMPANY

GENERAL DIMENSIONAL LIMITS, FITS & TOLERANCES AS PER HY0230261

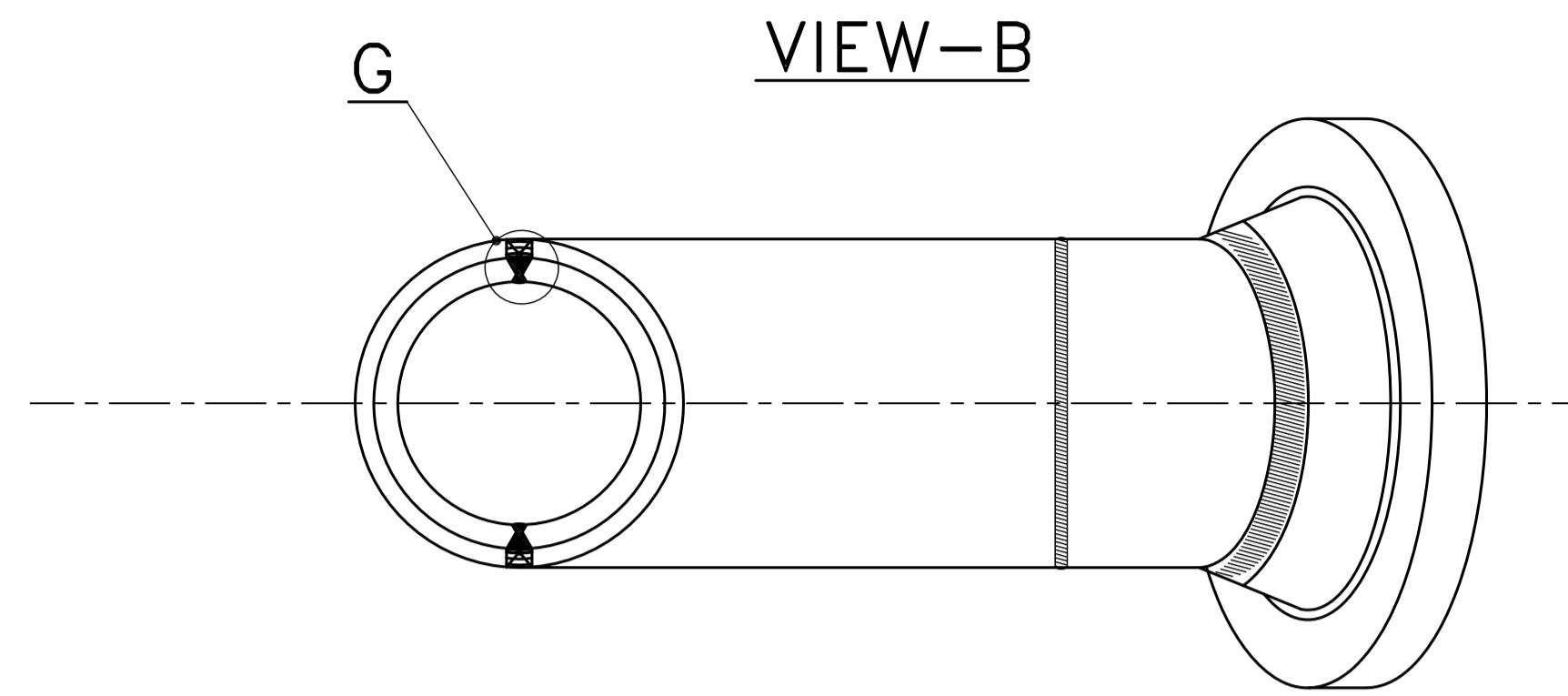
6.3 (✓)



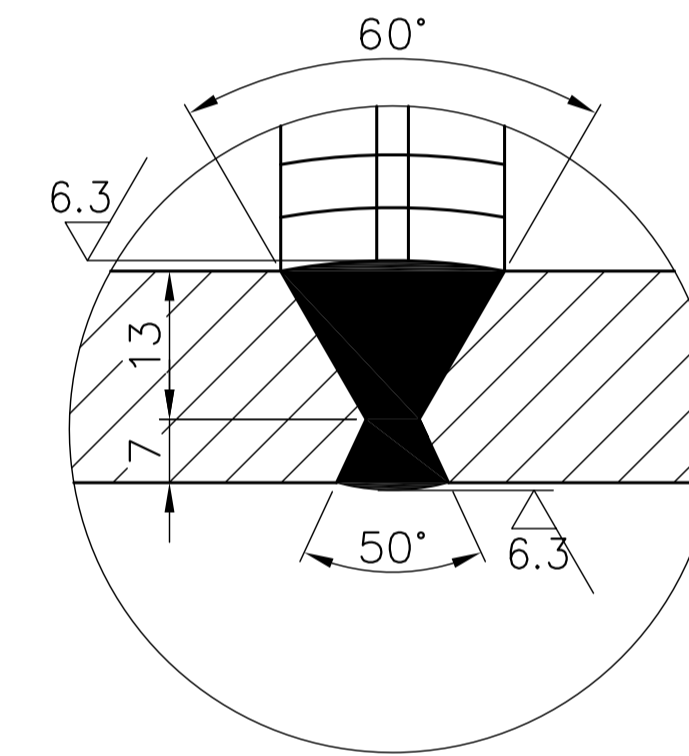
FLANGE $\phi 10''$ ANSI 300# RF



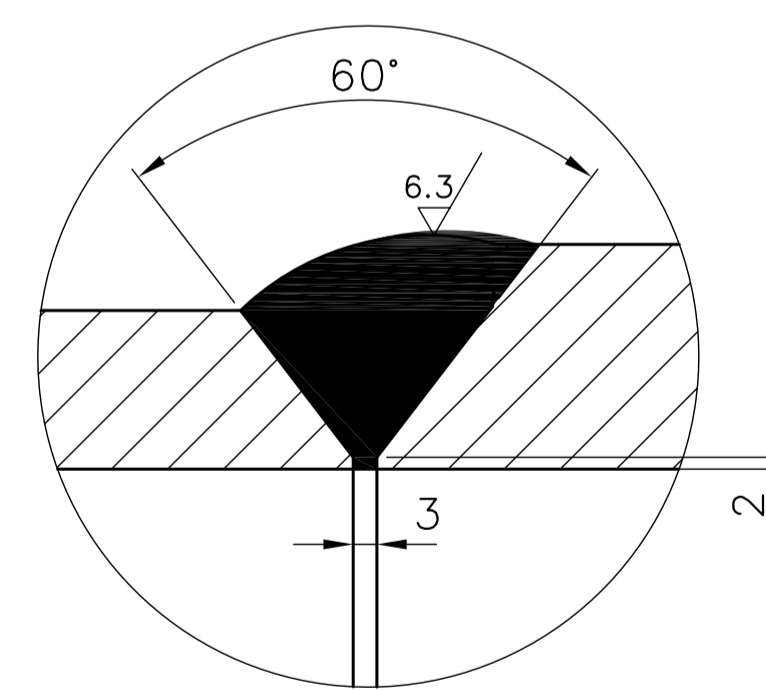
SECTION A-A



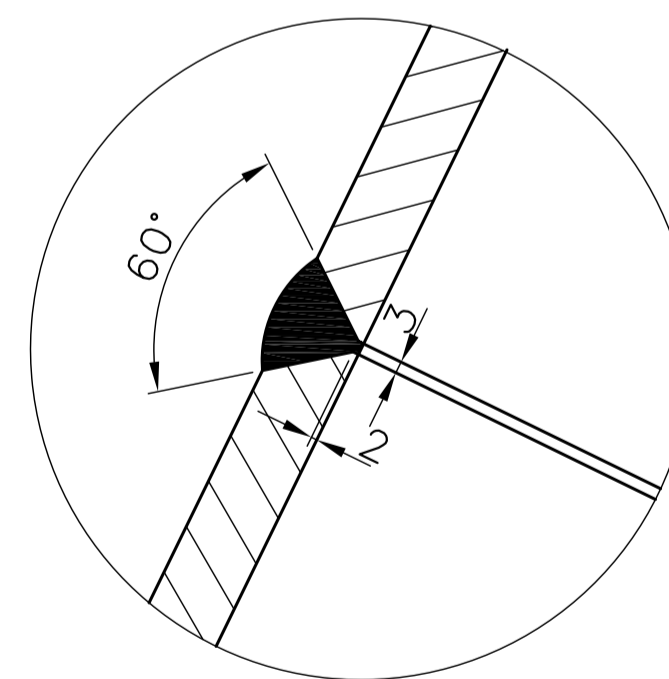
VIEW-B



DETAIL-G



DETAIL-C



DETAIL-F

NOTES AND DOCUMENTS MENTIONED:

1. THE VALUES OF THE GEOMETRICAL TOLERANCES ARE THE MAX READING ON THE GAUGE (F.I.R.)
2. CARRY OUR WELDING AS PER WPS - WE001
3. SEQUENCE OF WELDING SHALL BE FOLLOWED AS SPECIFIED IN IN TECHNOLOGICAL PROCESS
4. USE ONLY QUALIFIED WELDERS
5. ALL WELDS SHALL BE CHECKED FOR 100% RADIGRAPHY AS PER TC 72062.
6. WHEREVER 100% RADIOGRAPHY IS NOT FEASIBLE ALL WELDS SHALL BE SUBJECTED TO 100% UT AS PER TC 72063.
7. 100% MPI AS PER TC 72060.

TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT		2MCL 1007				
BHARAT HEAVY ELECTRICALS LTD. HYDERABAD	NAME	SIGN.	DATE	NO. OF VAR.		
	DRN. DEEPAK		09.11.22			
	CHD. SUGUNA		09.11.22	N.A		
	APPD. YVRL		09.11.22			
DEPT. CODE	UNTL. DIV. GR.	SCALE	WEIGHT (KG)	REF. TO GENP. DRG.	ITEM NO.	NO. OF ITEMS
420	G/M/F	NTS	195		-N.A.-	-N.A.-
TITLE			CARD CODE	DRAWING NO.		REV.
2nd DISCH. NOZZLE DN 10" ANSI 300			N.A.	1-331-07-00035		00
			SHT. No 01		NO. OF SHT. 01	

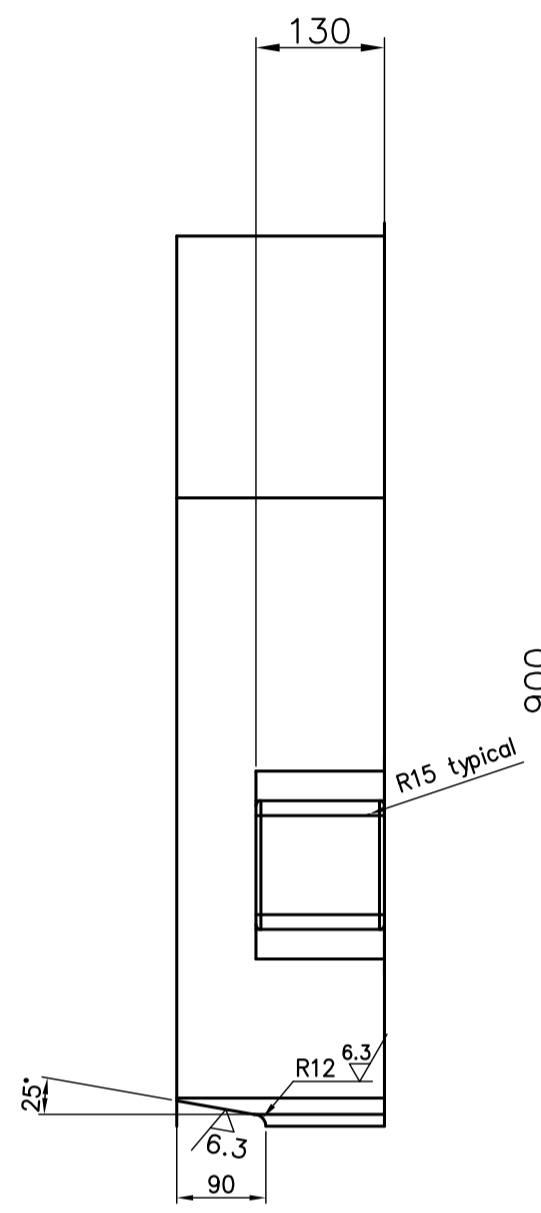
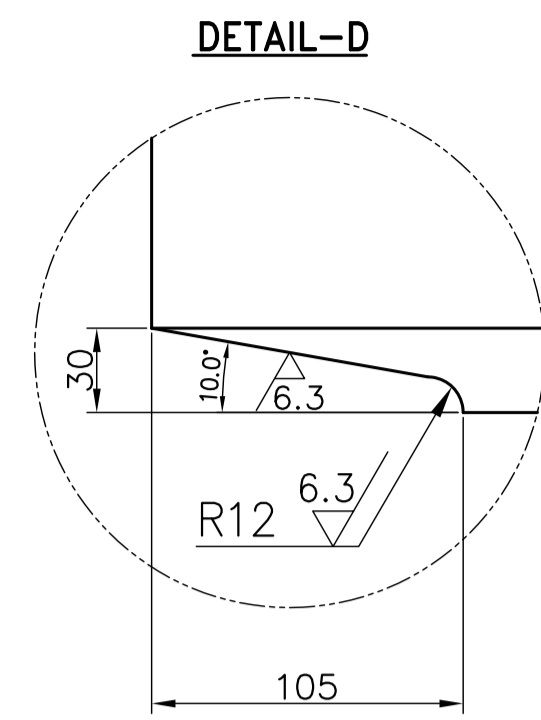
JCS

REV.	DATE	ALTERED	REV.	DATE	ALTERED	REV.	DATE	ALTERED	REV.	DATE	ALTERED	REV.	DATE	ALTERED
ZONE		CHD/APPD	ZONE		CHD/APPD	ZONE		CHD/APPD	ZONE		CHD/APPD	ZONE		CHD/APPD
1			2			3			4			5		

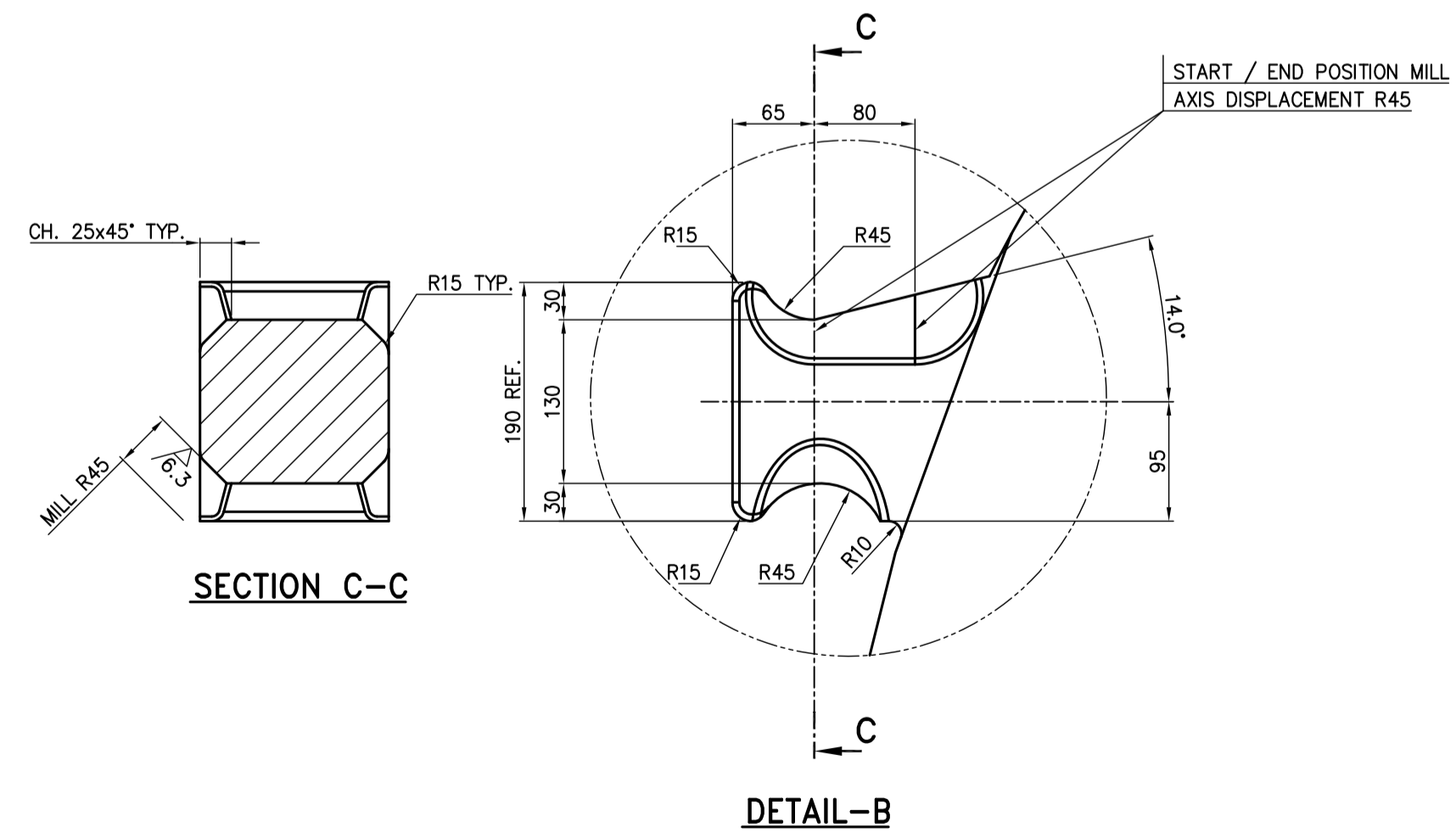
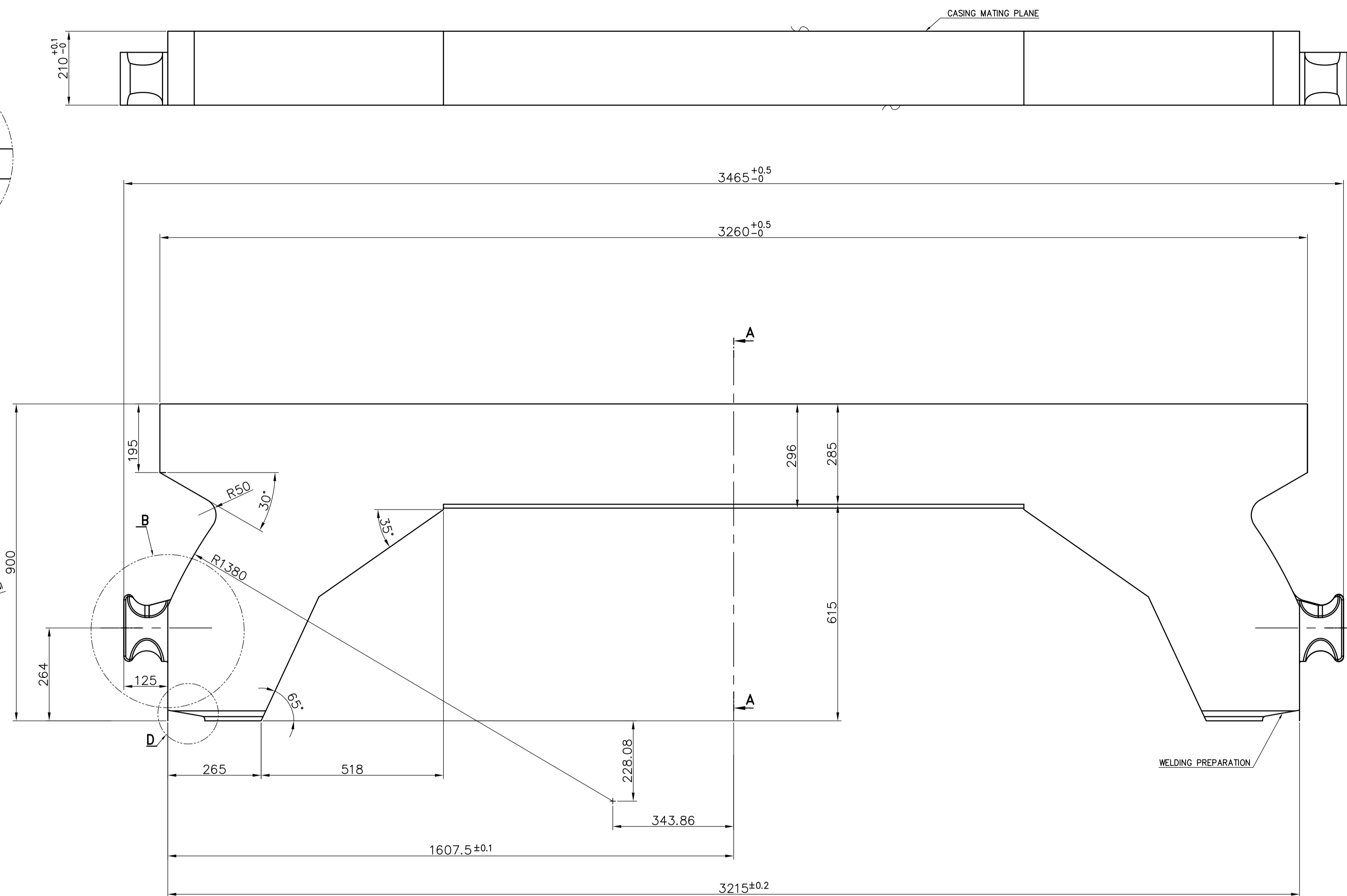
DRG. NO. 1-331-07-00037

THE INFORMATION ON THIS DOCUMENT IS THE PROPERTY OF BHARAT HEAVY ELECTRICALS LIMITED. IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO THE INTEREST OF THE COMPANY

GENERAL DIMENSIONAL LIMITS, FITS & TOLERANCES AS PER HY0230261



SECTION A-A



SECTION C-C

DETAIL-B

- NOTES AND DOCUMENTS RECALLED:**
- CONTROL WITH DYE-PENETRANTS THE WELDING PREPARATIONS MACHINING ACCORDING TO TC72061 ACC. CLASS 3
 - THE PARTING PLANE IS SYMMETRIC REGARD TO THE AXIS IDENTIFIED FROM LINE OF SECTION A-A

CASTING DRAWING NUMBER : 1331071006

TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT		NRL WGC 2MCL1007			
DEPT. COMPR CODE	UNTOL. DIMS. GR. G/M/F	SCALE NTS	WEIGHT (KG) 2430	REF. TO GENP. DRG.	ITEM NO. NO. OF ITEMS
TITLE		PARTING PLANE CASTING LOWER HALF		DRAWING NO. 1-331-07-00037 00	
SHT. No 01		NO. OF SHT. 01		REV. -N.A.-	



DRG. NO. 1-331-07-10006

SH. OF 01

THE INFORMATION ON THIS DOCUMENT IS THE PROPERTY OF BHARAT HEAVY ELECTRICALS LIMITED. IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO THE INTEREST OF THE COMPANY

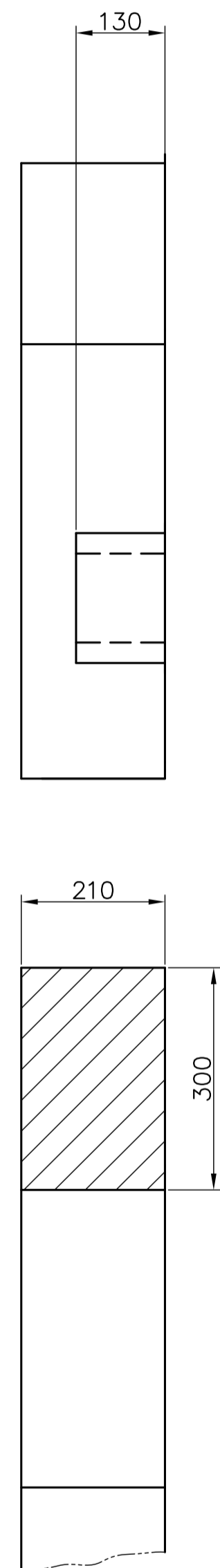
GENERAL DIMENSIONAL LIMITS, FITS & TOLERANCES AS PER HY0230261

INVENTORY NO

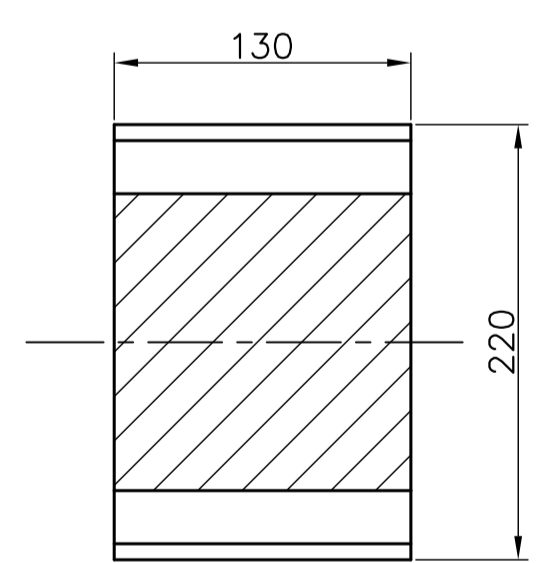
SIGN. AND DATE

REF. DRG. NO.

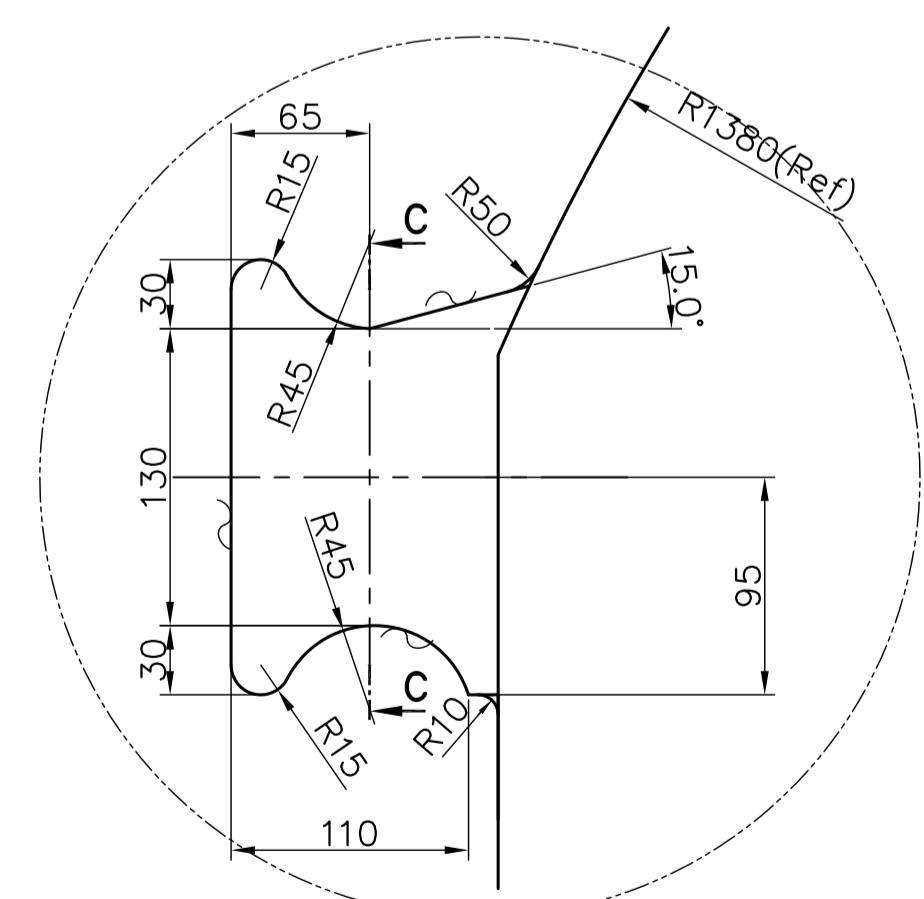
COMPUTER FILE NAME



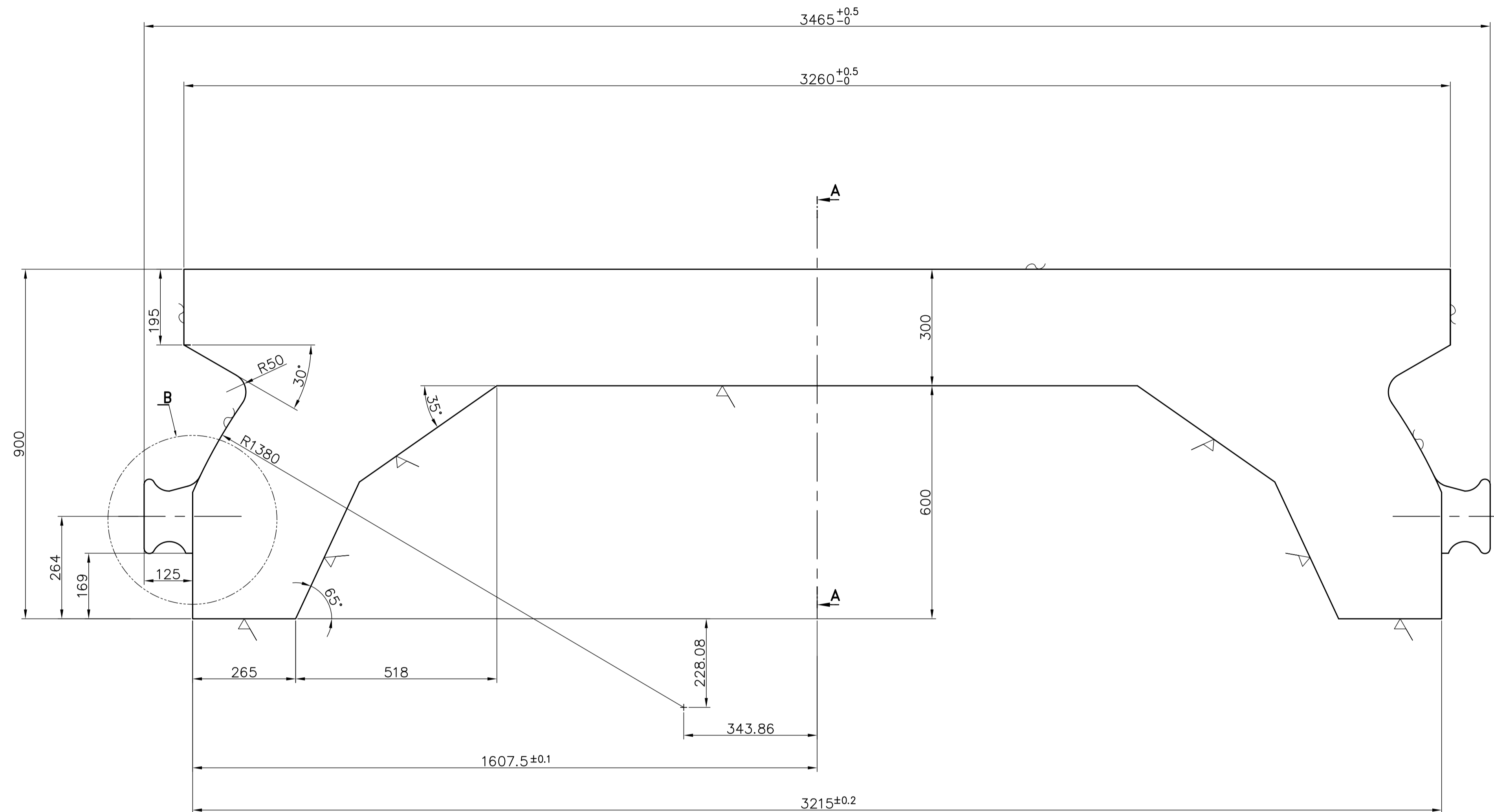
SECTION A-A



SECTION C-C



DETAIL-B



NOTES:-

- 1) MATERIAL HY19562
- 2) TECHNICAL DELIVERY CONDITIONS AS PER HY19562
- 3) CAST SURFACE, INCLUDING PARTING PLANE SURFACE, MUST BE CLEANED PERFECTLY AND SHALL BE HAND GROUND TO BE FREE FROM PROJECTIONS.
- 4) ALL SURFACES MARKED \surd SHALL BE SUPPLIED IN ROUGH MACHINED CONDITION WITH 5^{+2}_0 mm ALLOWANCE FOR FINISH MACHINING AT BHEL WORKS.
- 5) STRESS RELIEVING SHALL BE CARRIED OUT AFTER ROUGH MACHINING.
- 6) SURFACES USED "AS CAST" ARE SHOWN WITH '~'.~'.
- 7) THE PARTING PLANE IS SYMMETRIC REGARD TO THE AXIS IDENTIFIED FROM LINE OF SECTION A-A.

TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT		NRL WGC 2MCL1007			
DEPT. CODE	COMPR CODE	UNTO. GR. G/M/F	SCALE NTS	WEIGHT (KG)	REF. TO GENR. DRG.
JCS	420			2430	
TITLE		PARTING PLANE CASTING LOWER HALF			
CARD CODE	DRAWING NO.		REV.		
N.A.	1-331-07-10006		00		
SHT. No	01	NO. OF SHT.	01		

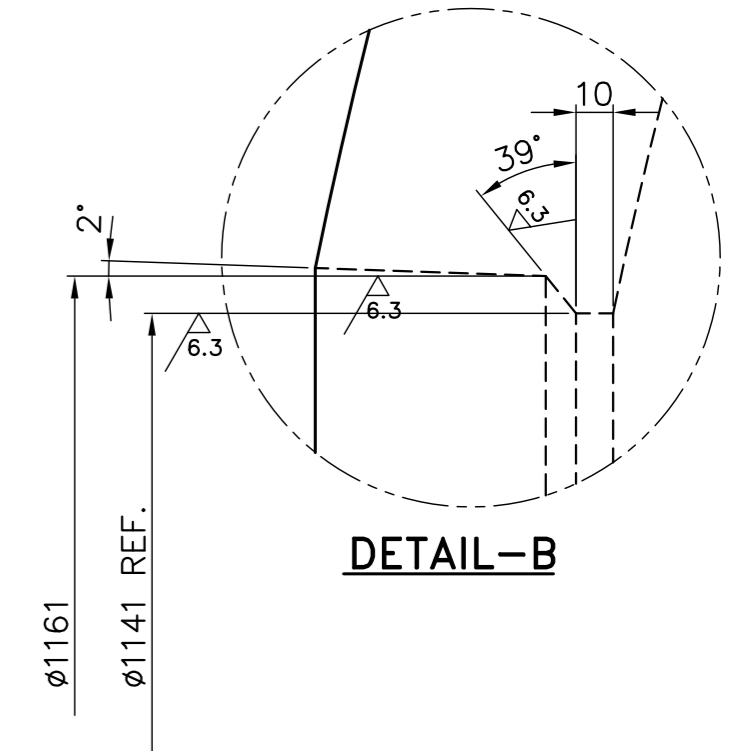
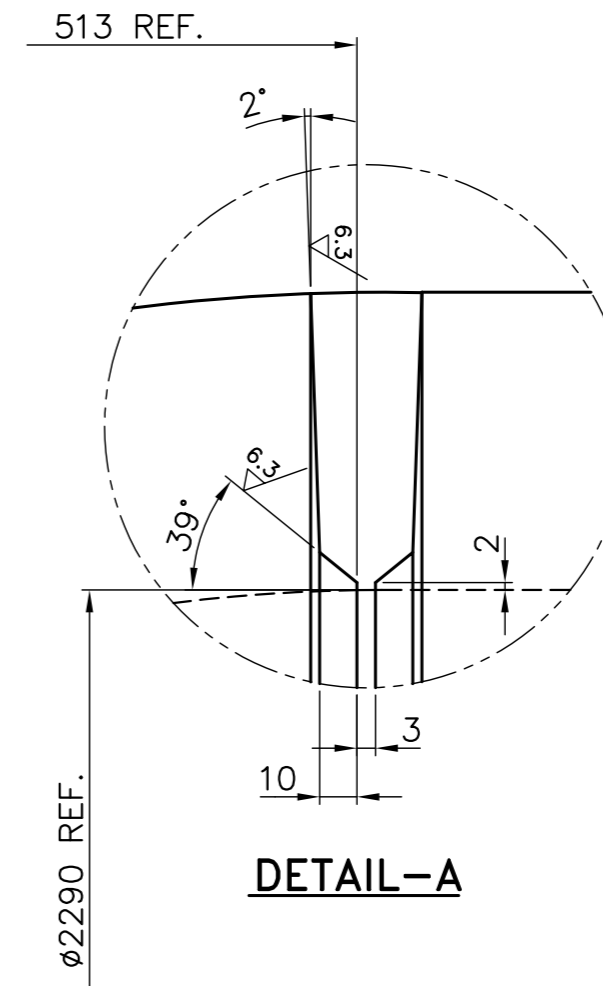
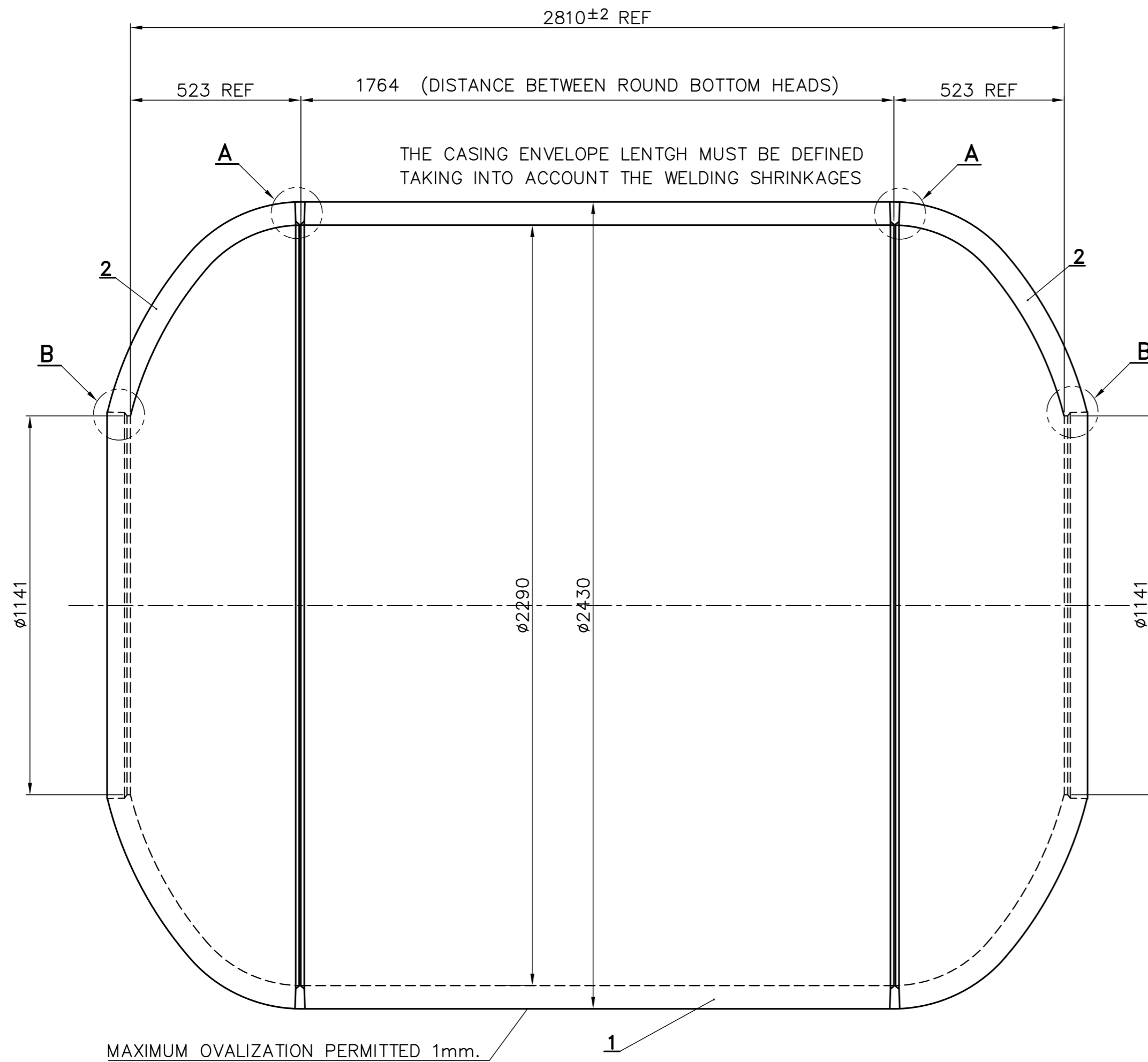


DRN.	SUGUNA	SIGN.		DATE	12.10.22	NO. OF VAR.	
CHD.	DILEEP				12.10.22	-N.A.-	
APPD.	YVRL				12.10.22	-N.A.-	

DRG. NO. 2-331-07-00053

SH. 01 OF 01

∇ (6.3/∇)



NOTES AND DOCUMENTS MENTIONED:

1. THE VALUES OF THE GEOMETRICAL TOLERANCES ARE THE MAX READING ON THE GAUGE (F.I.R.)
2. CARRY OUR WELDING AS PER WPS - WE001
3. SEQUENCE OF WELDING SHALL BE FOLLOWED AS SPECIFIED IN TECHNOLOGICAL PROCESS
4. USE ONLY QUALIFIED WELDERS
5. CASING ENVELOPE SHALL BE WELDED TO ROUNDED BOTTOMS AS PER THIS DRG
6. THE CASING ENVELOPE & ROUNDED BOTTOMS SHALL BE CUT INTO TWO HALVES AS PER CASING ASSEMBLY DRAWING No. 03310700032
7. ALL WELDS SHALL BE CHECKED FOR 100% RADIOGRAPHY AS PER TC 72062.
8. WHEREVER 100% RADIOGRAPHY IS NOT FEASIBLE ALL WELDS SHALL BE SUBJECTED TO 100% UT AS PER TC 72063.
9. 100% MPI AS PER TC 72060.

INVENTORY NO. SIGN. AND DATE REF. DRG. NO. COMPUTER FILE NAME THE INFORMATION ON THIS DOCUMENT IS THE PROPERTY OF BHARAT HEAVY ELECTRICALS LIMITED. IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO THE INTEREST OF THE COMPANY

GENERAL DIMENSIONAL LIMITS, FITS & TOLERANCES AS PER HY0230261

JCS

REV.	DATE	ALTERED	REV.	DATE	ALTERED	REV.	DATE	ALTERED	REV.	DATE	ALTERED	REV.	DATE	ALTERED
ZONE		CHD/APPD	ZONE		CHD/APPD	ZONE		CHD/APPD	ZONE		CHD/APPD	ZONE		CHD/APPD

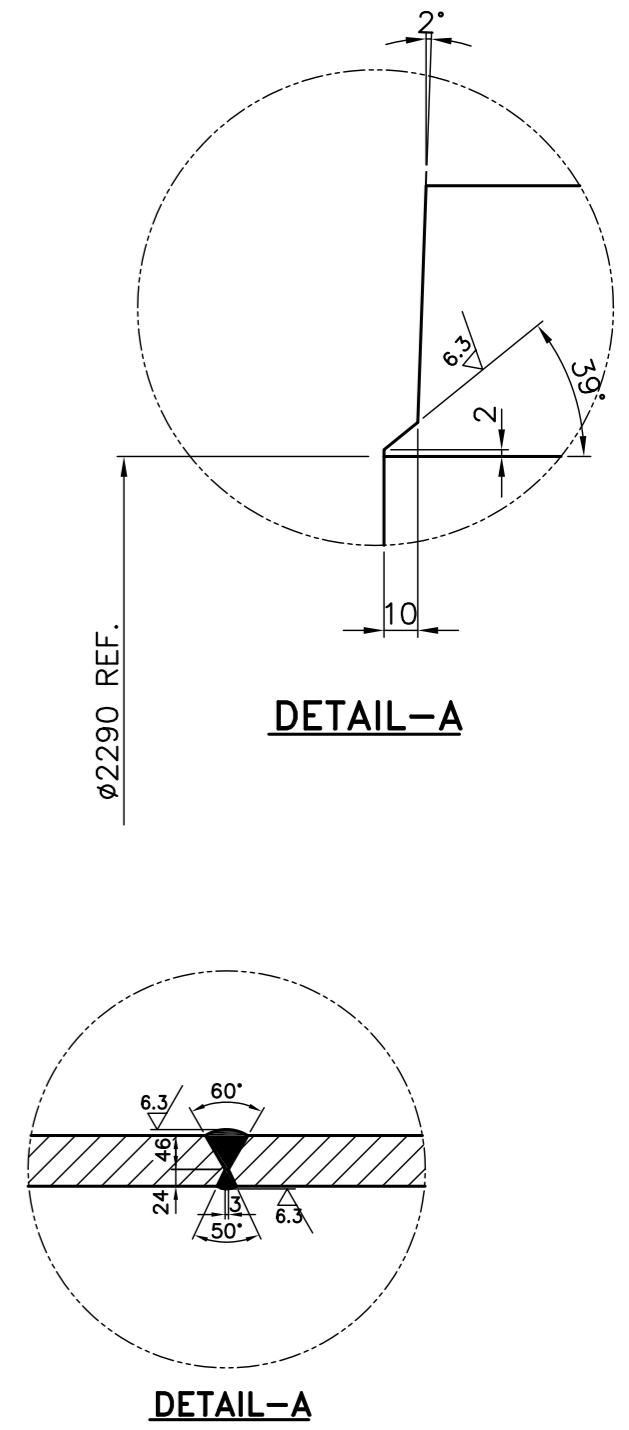
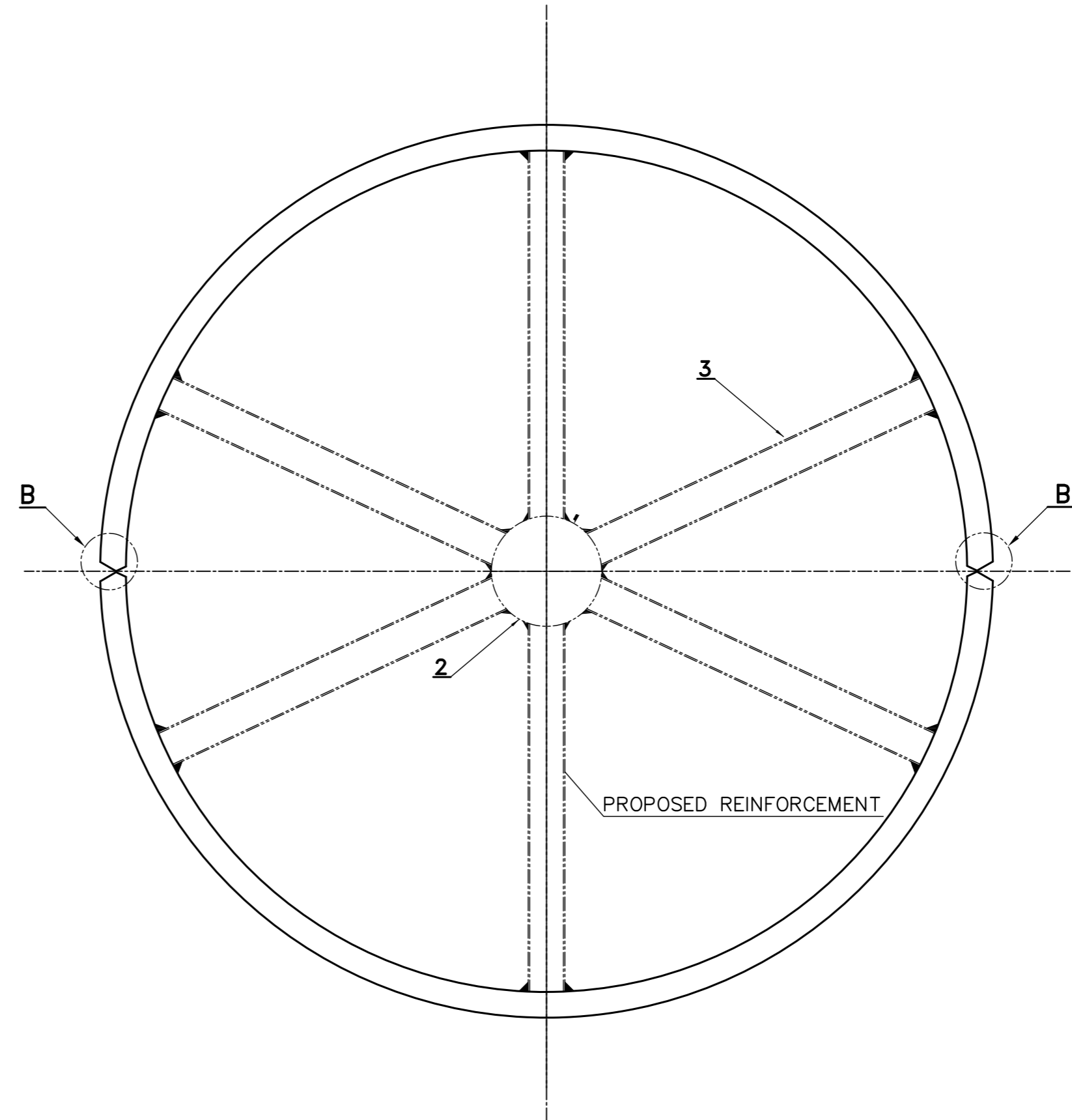
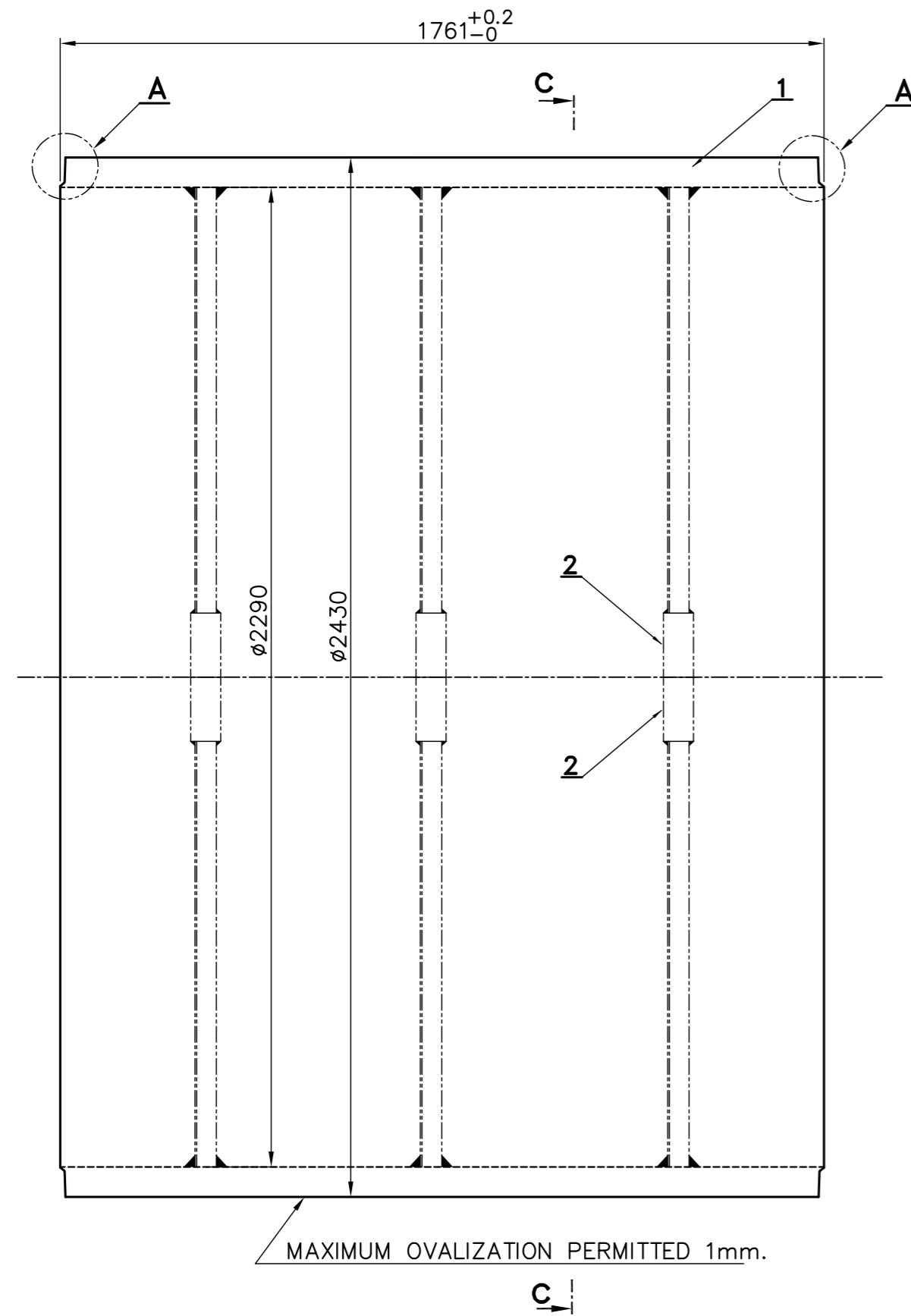
TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT		2MCL 1007				
BHARAT HEAVY ELECTRICALS LTD. HYDERABAD	NAME	SIGN.	DATE	NO. OF VAR.		
	DRN. DEEPAK		09.11.22			
	CHD. SUGUNA		09.11.22	N.A		
	APPD. YVRL		09.11.22			
DEPT. COMPR. CODE 420	UNTOL. DIMS. GR. G/M/F	SCALE N T S	WEIGHT (KG) 13510	REF. TO GENP DRG. SW 4586394/2	ITEM NO. -N.A.-	NO. OF ITEMS -N.A.-
TITLE CASING ENVELOPE WITH ROUNDED BOTTOMS		CARD CODE N.A.	DRAWING NO. 2-331-07-00053		REV. 00	
		SHT. No 01	NO. OF SHT. 01			

DRG. NO. 2-331-07-00054

SH. OF 01

THE INFORMATION ON THIS DOCUMENT IS THE PROPERTY OF BHARAT HEAVY ELECTRICALS LIMITED. IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO THE INTEREST OF THE COMPANY

GENERAL DIMENSIONAL LIMITS, FITS & TOLERANCES AS PER HY0230261



SECTION C-C

NOTES AND DOCUMENTS MENTIONED:

1. THE VALUES OF THE GEOMETRICAL TOLERANCES ARE THE MAX. READING ON THE GAUGE(F.I.R)
2. CARRY OUT WELDING AS PER WPS – WE001
3. USE ONLY QUALIFIED WELDERS
4. TWO PLATES ISSUED SHALL BE WELDED FIRST TO FORM A SINGLE PLATE AND CASING ENVELOPE SHALL BE ROLLED OUT OF THAT SINGLE PLATE,
5. CHANNELS & PLATES FOR REINFORCEMENT OF CASING ENVELOPE IS PROVIDED AS INDICATED. TECHNOLOGY MAY DECIDE THE SAME SUITABLY
6. ALL PLATES SHALL BE CHECKED FOR 100% UT AS PER A435/A435M BEFORE CUTTING.
7. ALL WELDS SHALL BE CHECKED FOR 100% RADIGRAPHY AS PER TC 72062.
8. WHEREVER 100% RADIOGRAPHY IS NOT FEASIBLE ALL WELDS SHALL BE SUBJECTED TO 100% UT AS PER TC 72063.
9. 100% MPI AS PER TC 72060.



TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT		2MCL 1007			
BHARAT HEAVY ELECTRICALS LTD. HYDERABAD		NAME	SIGN.	DATE	NO. OF VAR.
		DRN. DEEPAK		09.11.22	N.A
		CHD. SUGUNA		09.11.22	
		APPD. YVRL		09.11.22	
DEPT. CODE	UNTOL. DIMS. GR. C/A/F	SCALE N T S	WEIGHT (KG) 7712	REF. TO ASSY. DRG. -N.A.-	ITEM NO. -N.A.-
TITLE		DRAWING NO. 2-331-07-00054		REV. 00	
CASING ENVELOPE		SHT. No		NO. OF SHT.	

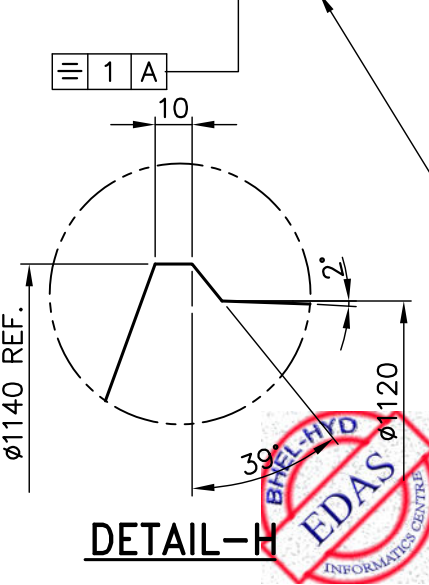
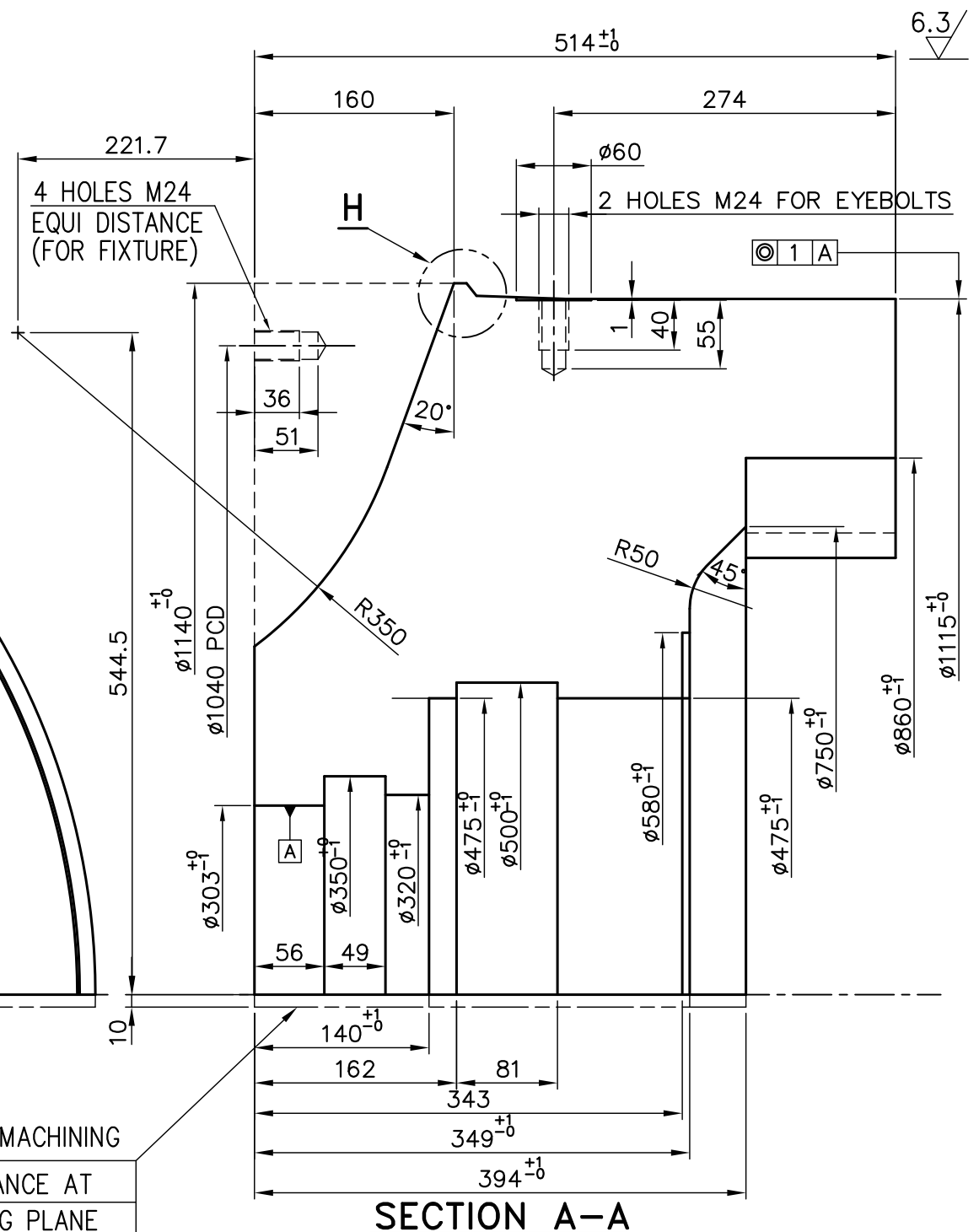
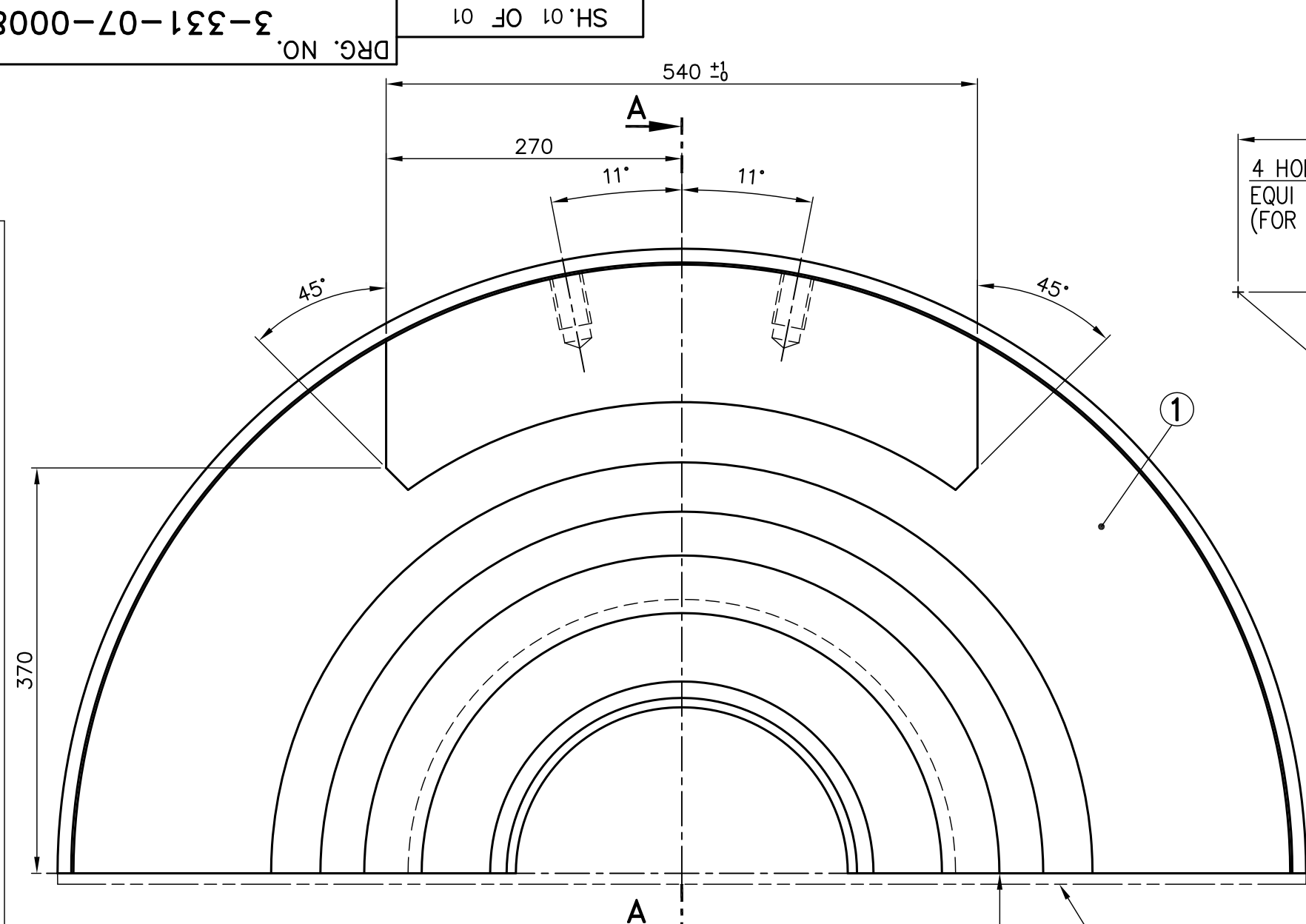
REV.	DATE	ALTERED	REV.	DATE	ALTERED	REV.	DATE	ALTERED	REV.	DATE	ALTERED	REV.	DATE	ALTERED
ZONE		CHD/APPD	ZONE		CHD/APPD	ZONE		CHD/APPD	ZONE		CHD/APPD	ZONE		CHD/APPD
JCS														

INVENTORY NO. SIGN. AND DATE REF. DRG. NO. COMPUTER FILE NAME THE INFORMATION ON THIS DOCUMENT IS THE PROPERTY OF BHARAT HEAVY ELECTRICALS LIMITED. IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO THE INTEREST OF THE COMPANY

DRG. NO. 3-331-07-00087

SH. 01 OF 01

GENERAL DIMENSIONAL LIMITS, FITS & TOLERANCES AS PER HY0230261



CAUTION
DIMENSIONS INDICATED ARE WITHOUT CONSIDERING FINISH MACHINING ALLOWANCE AT THE PARTING PLANE. FINISH MACHINING ALLOWANCE OF 10mm AT ALL PARTING PLANES SHALL BE ENSURED DURING MACHINGING STAGE.

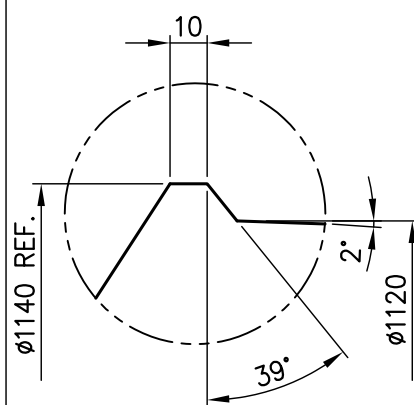
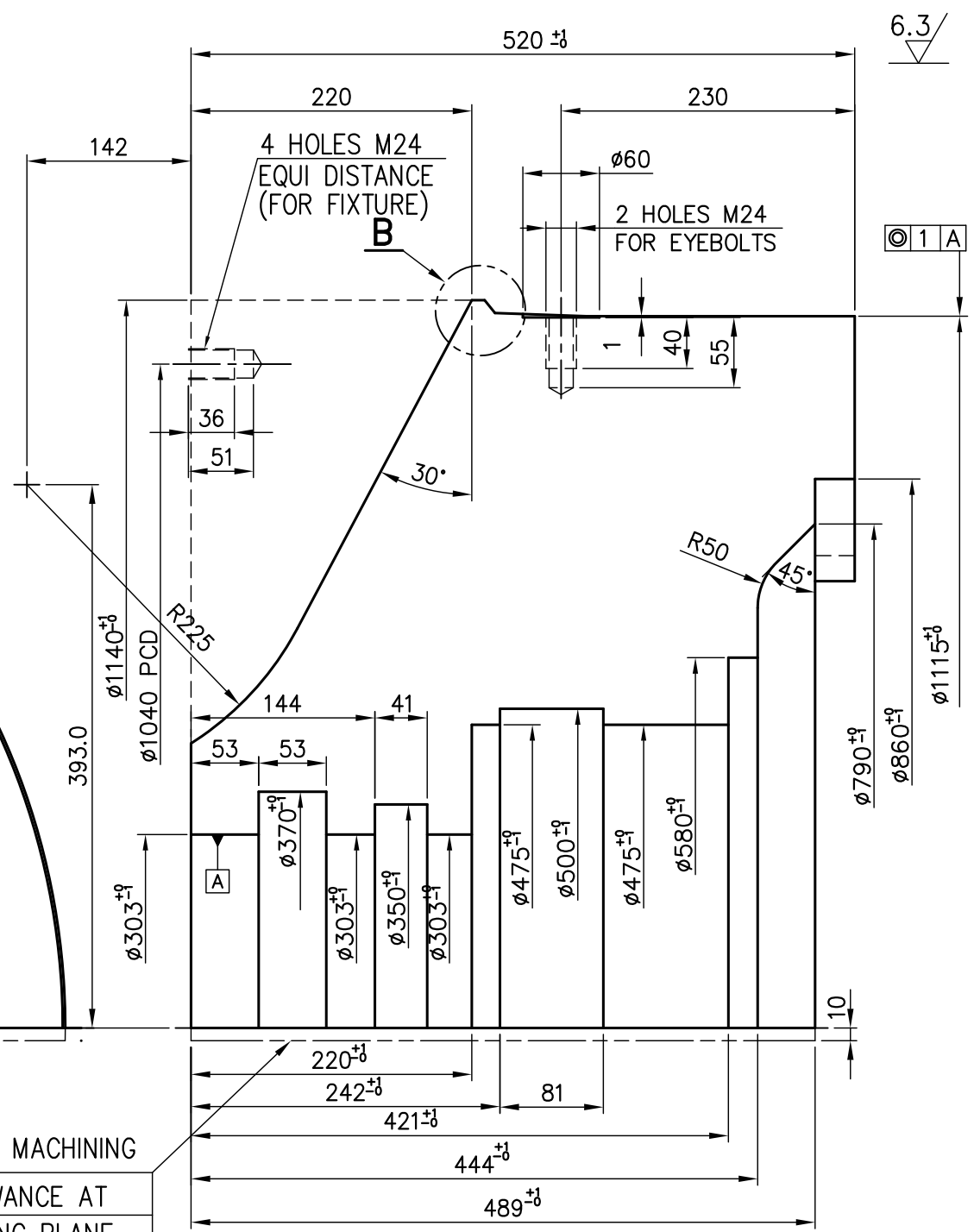
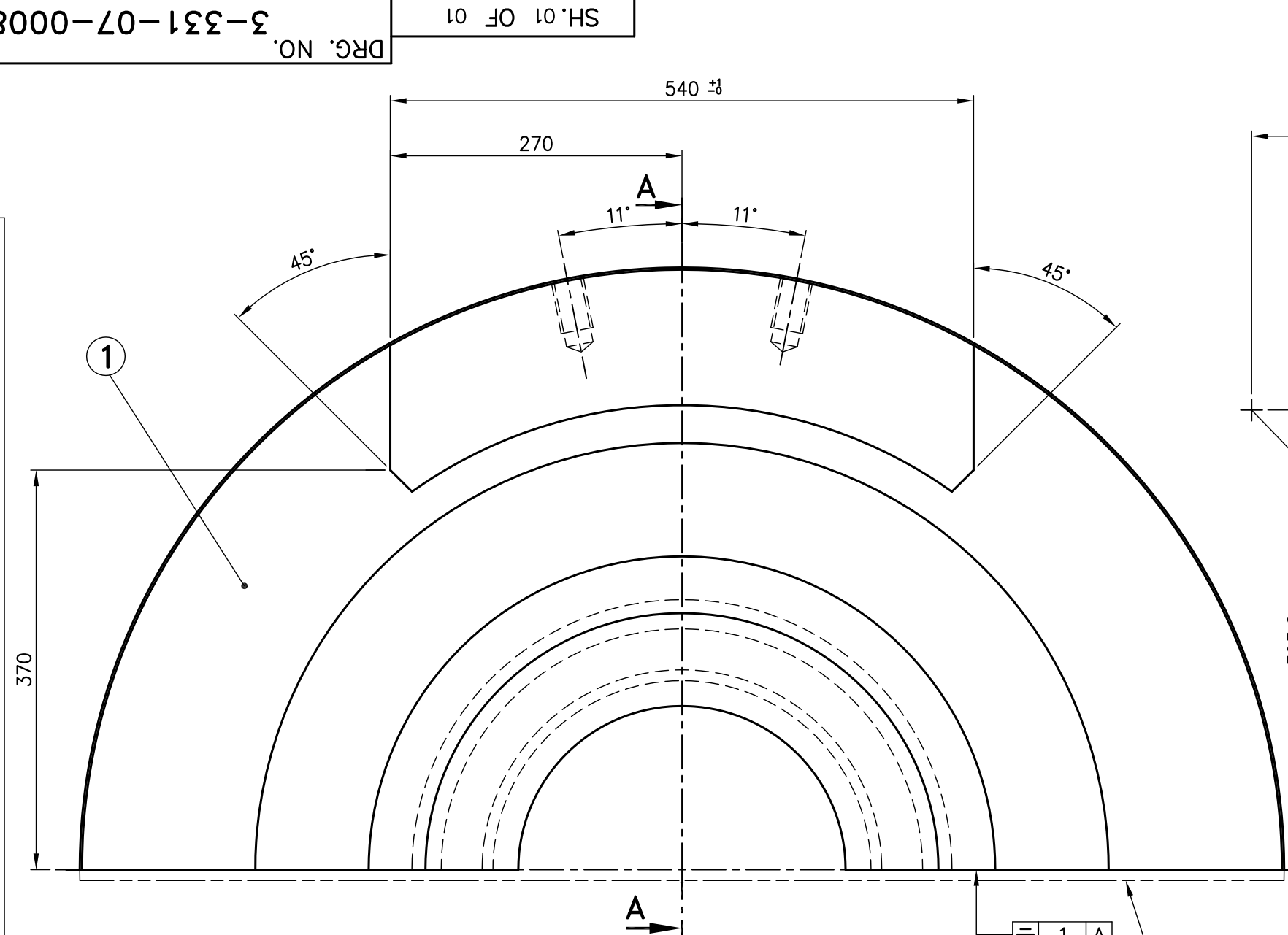
FINISH MACHINING ALLOWANCE AT PARTING PLANE

TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT		2MCL 1007				
BHARAT HEAVY ELECTRICALS LTD. HYDERABAD		DRN.	RAGHU	SIGN.	DATE	NO. OF VAR.
		CHD.	NEMA		27.10.22	
		APPD.	YVRL		29.10.22	-N.A.-
DEPT. COMP. CODE 420	UNTOL. DIMS. GR. G/M/F	SCALE NTS	WEIGHT (KG) 1032	REF. GENP DRG.	ITEM NO. -N.A.-	NO. OF ITEMS -N.A.-
TITLE UPPER END COVER TB SIDE			CARD CODE N.A.	DRAWING NO. 3-331-07-00087	REV. 00	
			SHT. No 01	NO. OF SH. 01		

DRG. NO. 3-331-07-00089 SH.01 OF 01

INVENTORY NO. SIGN. AND DATE REF. DRG. NO. COMPUTER FILE NAME THE INFORMATION ON THIS DOCUMENT IS THE PROPERTY OF BHARAT HEAVY ELECTRICALS LIMITED. IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO THE INTEREST OF THE COMPANY

GENERAL DIMENSIONAL LIMITS, FITS & TOLERANCES AS PER HY0230261



CAUTION
 DIMENSIONS INDICATED ARE WITHOUT CONSIDERING FINISH MACHINING ALLOWANCE AT THE PARTING PLANE. FINISH MACHINING ALLOWANCE OF 10 mm AT ALL PARTING PLANES SHALL BE ENSURED DURING MACHINING STAGE.

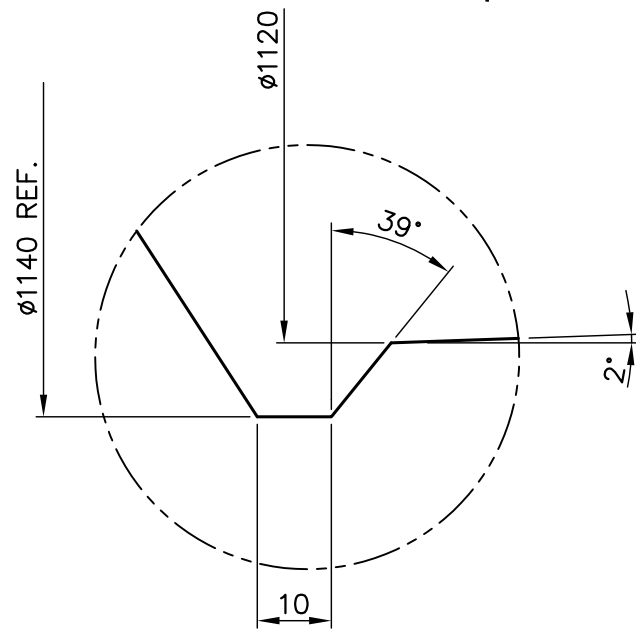
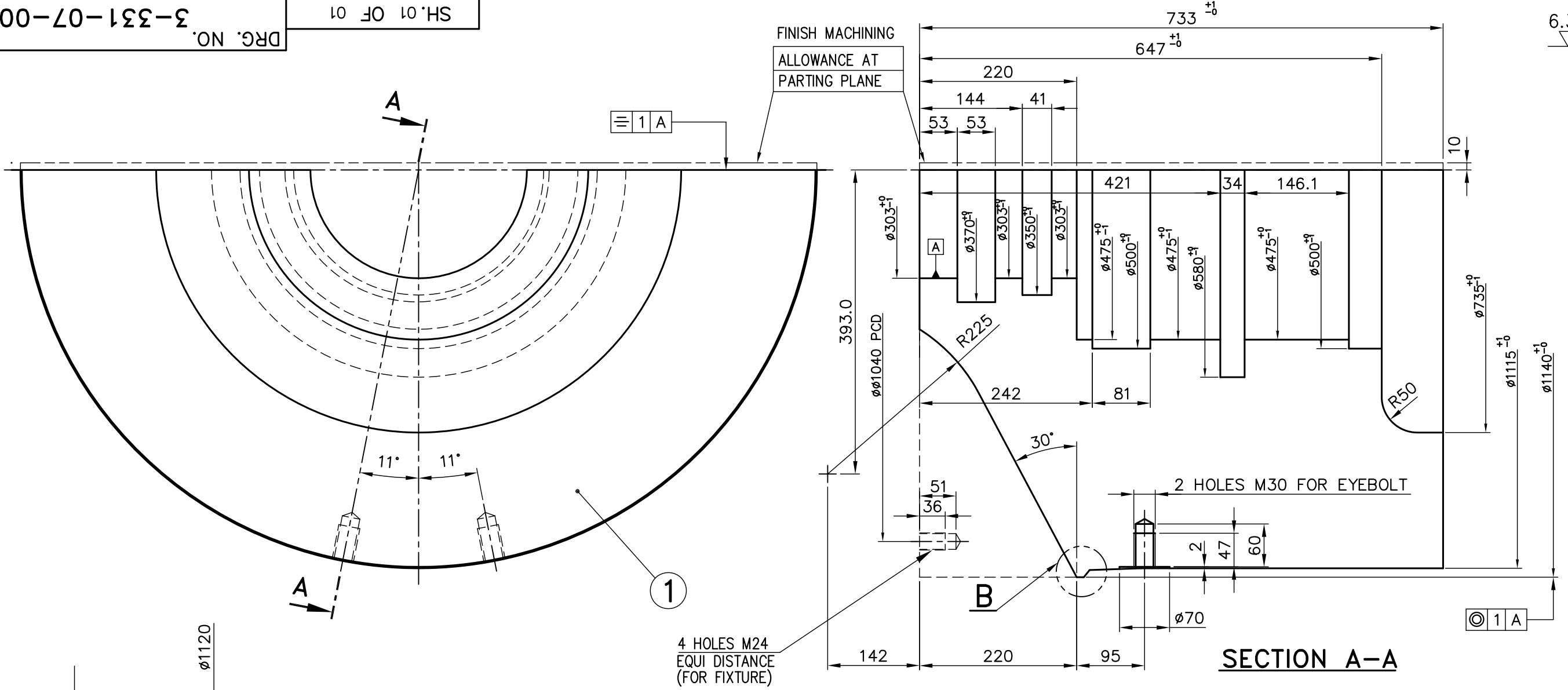
FINISH MACHINING ALLOWANCE AT PARTING PLANE

TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT		2MCL 1007				
BHARAT HEAVY ELECTRICALS LTD. HYDERABAD		DRN.	RAGHU	SIGN.	DATE	NO. OF VAR.
		CHD.	NEMA		27.10.22	
		APPD.	YVRL		29.10.22	-N.A.-
DEPT. COMP. CODE 420	UNTOL. DIMS. GR. G/M/F	SCALE NTS	WEIGHT (KG) 1160	REF. GENP. DRG.	ITEM NO. -N.A.-	NO. OF ITEMS -N.A.-
TITLE UPPER END COVER OTB SIDE			CARD CODE N.A.	DRAWING NO. 3-331-07-00089 00		REV. 00
			SHT. No 01		NO. OF SHT. 01	

DRG. NO. 3-331-07-00090 SH. 01 OF 01

THE INFORMATION ON THIS DOCUMENT IS THE PROPERTY OF BHARAT HEAVY ELECTRICALS LIMITED. IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO THE INTEREST OF THE COMPANY
 COMPUTER FILE NAME: NSW-4586421
 REF. DRG. NO.: NSW-4586421
 SIGN. AND DATE: _____
 INVENTORY NO: _____

GENERAL DIMENSIONAL LIMITS, FITS & TOLERANCES AS PER HY0230261



CAUTION
 DIMENSIONS INDICATED ARE WITHOUT CONSIDERING FINISH MACHINING ALLOWANCE AT THE PARTING PLANE. FINISH MACHINING ALLOWANCE OF 10 mm AT ALL PARTING PLANES SHALL BE ENSURED DURING MACHINING STAGE.

TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT		2MCL 1007			
BHARAT HEAVY ELECTRICALS LTD. HYDERABAD		DRN.	RAGHU	SIGN.	DATE
		CHD.	NEMA		27.10.22
		APPD.	YVRL		29.10.22
DEPT. COMP. CODE 420	UNTOL. DIMS. GR. G/M/F	SCALE NTS	WEIGHT (KG) 1880	REF. GENP. DRG.	NO. OF ITEMS -N.A.-
TITLE: LOWER END COVER OTB SIDE			CARD CODE: N.A.	DRAWING NO. 3-331-07-00090	REV. 00
		SHT. No 01		NO. OF SHT. 01	

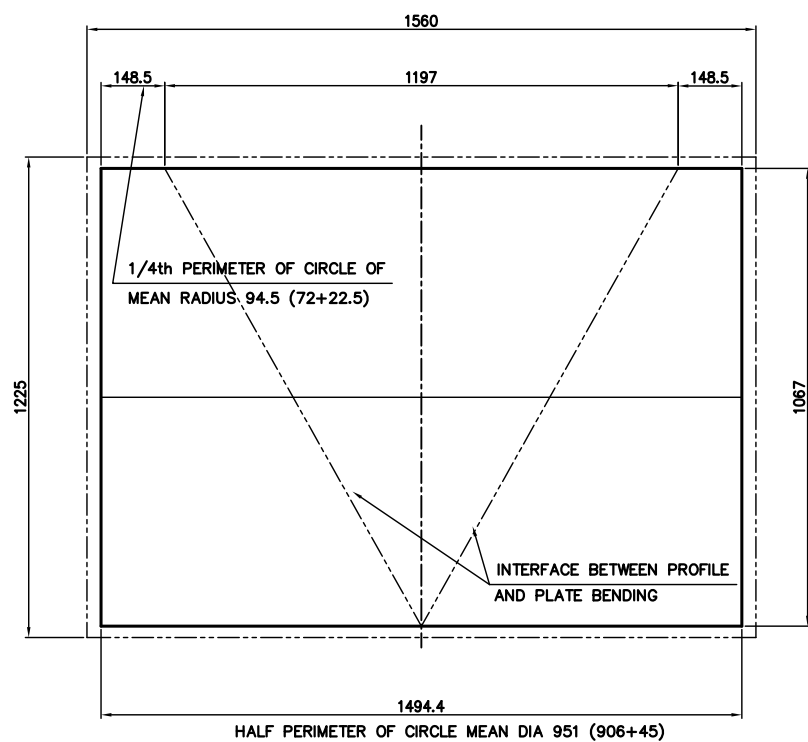
REV.	DATE	ALTERED	REV.	DATE	ALTERED	REV.	DATE	ALTERED
ZONE		CHD/APPD	ZONE		CHD/APPD	ZONE		CHD/APPD

DRG. NO. 3-331-07-00094

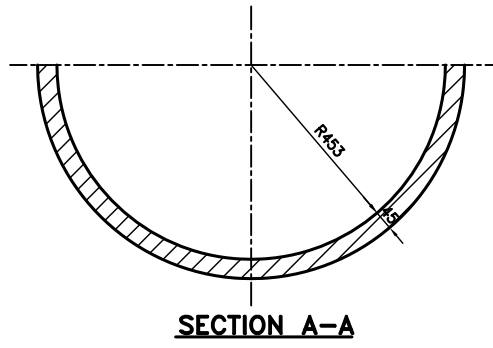
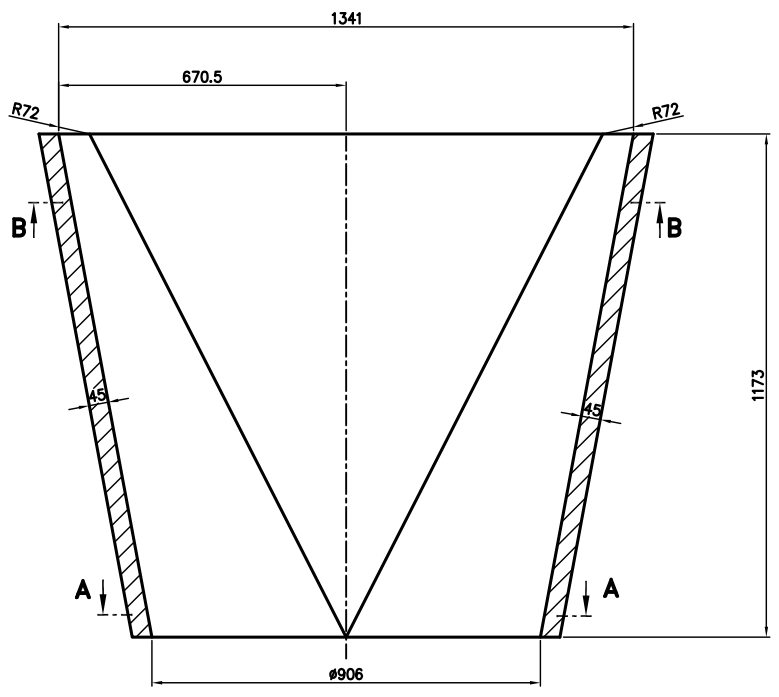
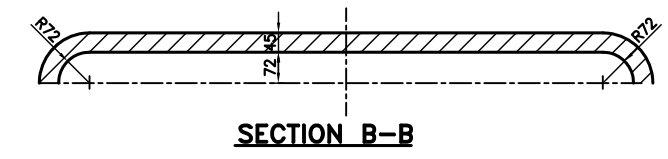
SHT. 01 OF 01

THE INFORMATION ON THIS DOCUMENT IS THE PROPERTY OF BHARAT HEAVY ELECTRICALS LIMITED. IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO THE INTEREST OF THE COMPANY

GENERAL DIMENSIONAL LIMITS, FITS & TOLERANCES AS PER HY0230261



DEVELOPED PLATE FOR FABRICATION



NOTE:

1. ALL PLATE SHALL BE CHECKED FOR 100% UT AS PER A435/A435M BEFORE CUTTING.
2. TENTATIVE DEVELOPED PLATE REQUIREMENT IS INDICATED ABOVE. TECHNOLOGY TO PROVIDE PROCESS INSTRUCTIONS TO ENSURE THAT ADEQUATE MATERIAL IS PROVIDED TO MEET THE FABRICATION OF THE ITEM AS PER THE REFERRED ASSEMBLY DRAWING.

TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT		2MCL 1007				
BHARAT HEAVY ELECTRICALS LTD. HYDERABAD		NAME	SIGN.	DATE	NO. OF VAR.	
		DRN.	DEEPAK	07.11.22	NA	
		CHD.	SUGUNA	07.11.22		
		APPD.	YVRL	07.11.22		
DEPT.	UNTOL. DIMS. GR. Ø/M/f	SCALE NTS	WEIGHT (KG) 565	REF. TO ASSY. DRG. 1-331-07-00032	ITEM NO. NA	NO. OF ITEMS NA
TITLE HALF PIPE FOR DIA 40" NOZZLE			CARD CODE NA	DRAWING NO. 3-331-07-00094		REV. 00
			SHT. No 01		NO. OF SHT. 01	

REV.	DATE	ALTERED	REV.	DATE	ALTERED	REV.	DATE	ALTERED
		CHD/APPD			CHD/APPD			CHD/APPD
ZONE			ZONE			ZONE		

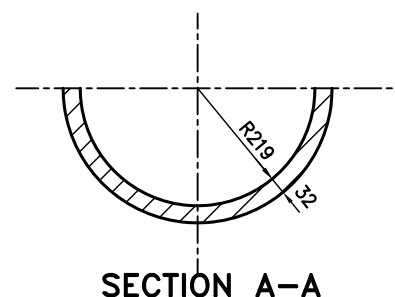
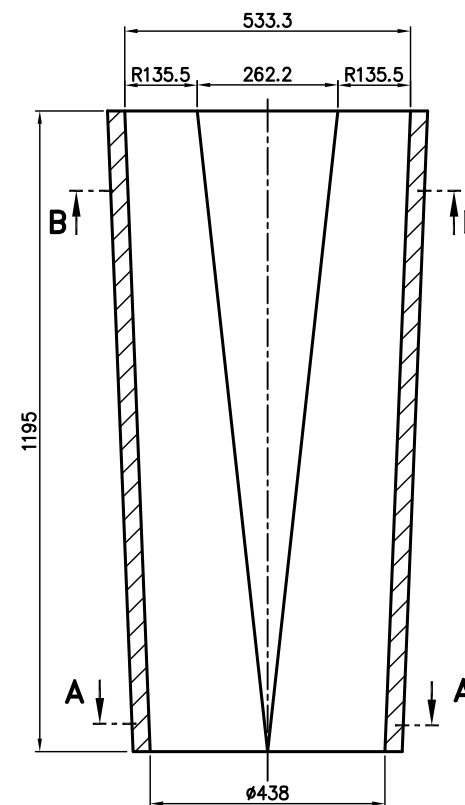
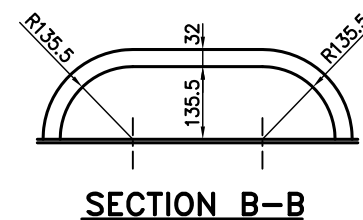
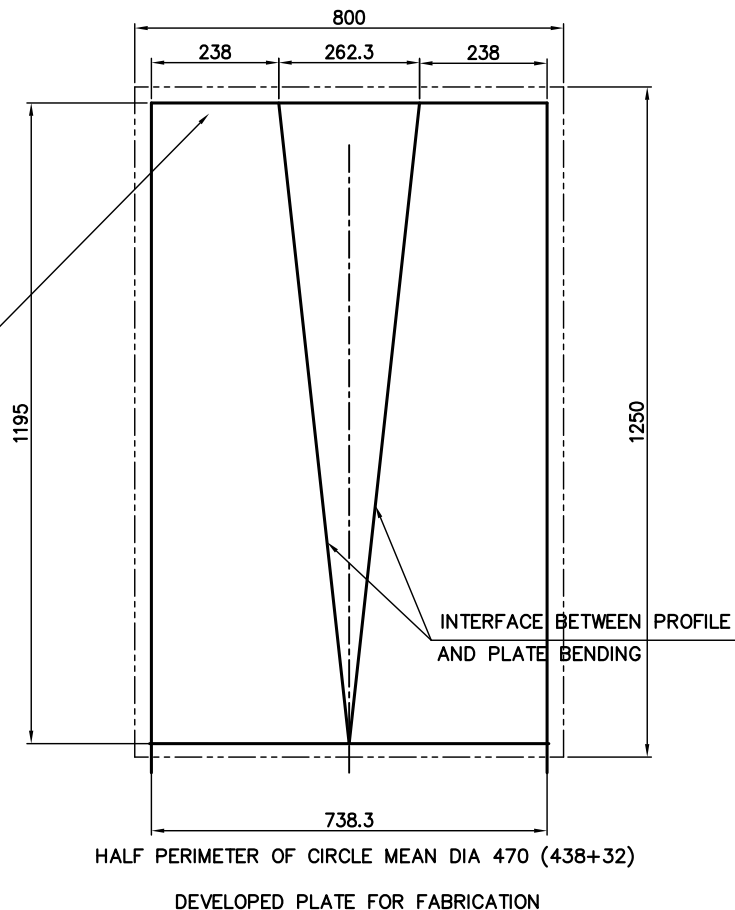
DRG. NO. 3-331-07-00095

SHT. 01 OF 01

SIGN. AND DATE REF. DRG. NO. COMPUTER FILE NAME THE INFORMATION ON THIS DOCUMENT IS THE PROPERTY OF BHARAT HEAVY ELECTRICALS LIMITED. IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO THE INTEREST OF THE COMPANY

GENERAL DIMENSIONAL LIMITS, FITS & TOLERANCES AS PER HY0230261

1/4th PERIMETER OF CIRCLE OF MEAN RADIUS 151.5 (135.5+16)



NOTE:
 1. ALL PLATE SHALL BE CHECKED FOR 100% UT AS PER A435/A435M BEFORE CUTTING.
 2. TENTATIVE DEVELOPED PLATE REQUIREMENT IS INDICATED ABOVE. TECHNOLOGY TO PROVIDE PROCESS INSTRUCTIONS TO ENSURE THAT ADEQUATE MATERIAL IS PROVIDED TO MEET THE FABRICATION OF THE ITEM AS PER THE REFERRED ASSEMBLY DRAWING.

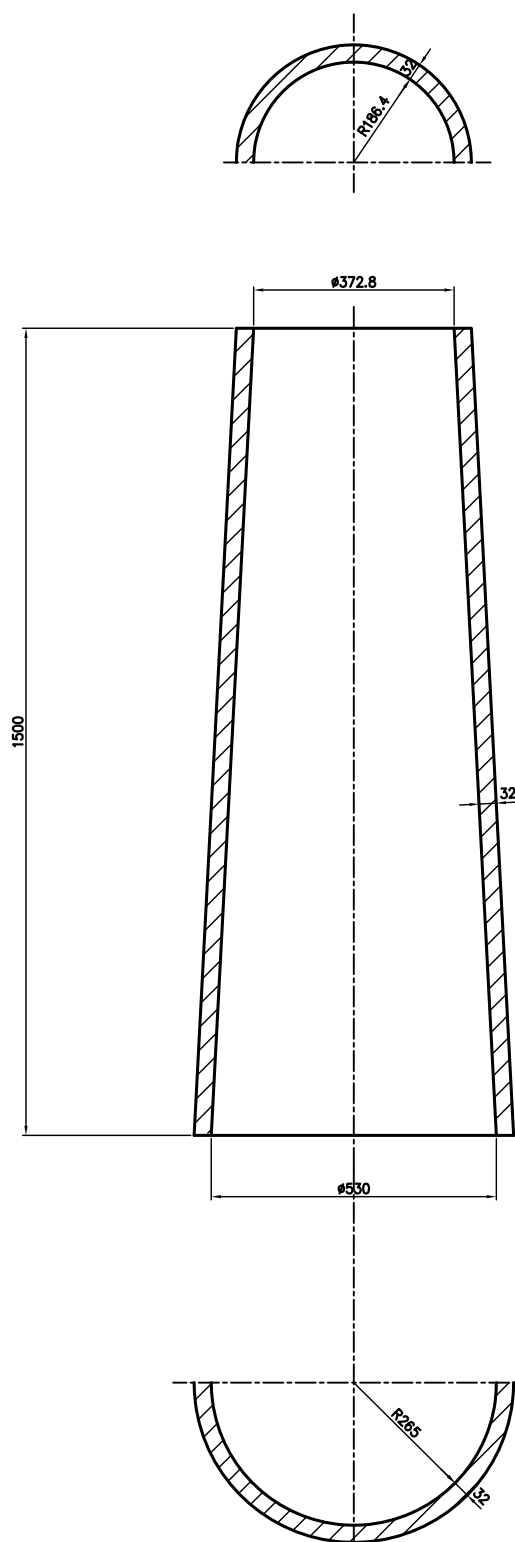
TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT		2MCL 1007				
BHARAT HEAVY ELECTRICALS LTD. HYDERABAD		DRN.	NAME	SIGN.	DATE	NO. OF VAR.
		DEEPAK			07.11.22	NA
		SUGUNA			07.11.22	
		YVRL			07.11.22	
DEPT. CODE	UNTOL. DIMS. GR. ϕ /M/f	SCALE NTS	WEIGHT (KG)	REF. TO ASSY. DRG.	ITEM NO.	NO. OF ITEMS
			225	1-331-07-00033	NA	NA
TITLE			CARD CODE	DRAWING NO.		REV.
HALF PIPE FOR DIA 20" NOZZLE			NA	3-331-07-00095		00
			SHT. No 01		NO. OF SHT. 01	

SIGN. AND DATE REF. DRG. NO. COMPUTER FILE NAME THE INFORMATION ON THIS DOCUMENT IS THE PROPERTY OF BHARAT HEAVY ELECTRICALS LIMITED. IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO THE INTEREST OF THE COMPANY

GENERAL DIMENSIONAL LIMITS, FITS & TOLERANCES AS PER HY0230261

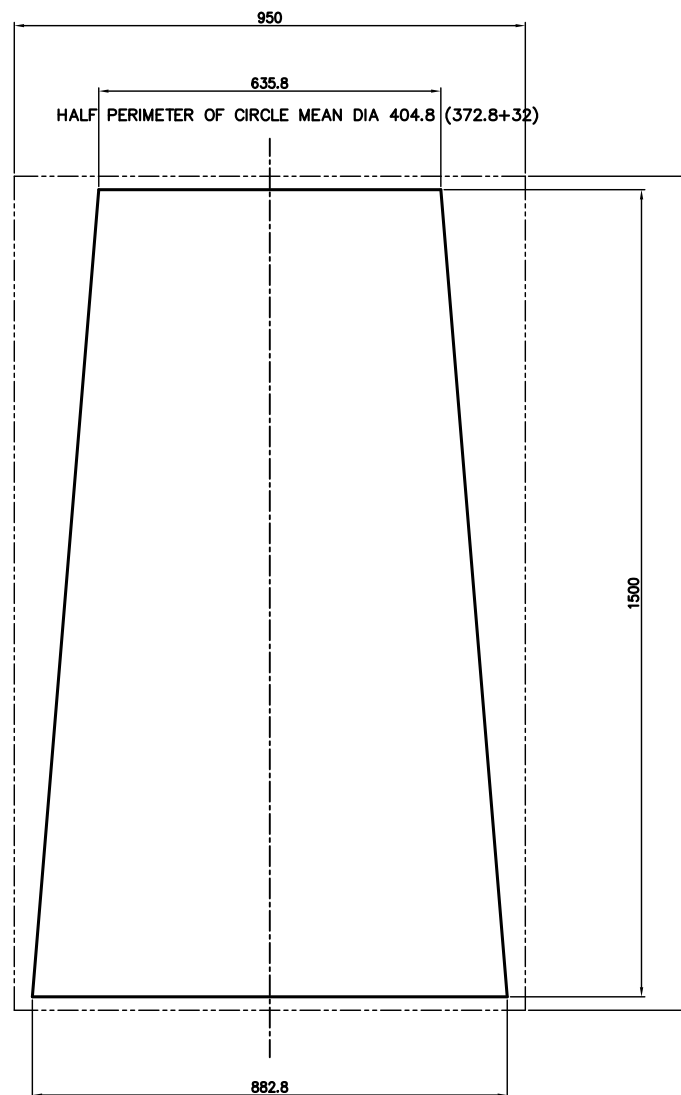
DRG. NO. 3-331-07-00096

SHT. 01 OF 01




NOTE:

1. ALL PLATE SHALL BE CHECKED FOR 100% UT AS PER A435/A435M BEFORE CUTTING.
2. TENTATIVE DEVELOPED PLATE REQUIREMENT IS INDICATED ABOVE. TECHNOLOGY TO PROVIDE PROCESS INSTRUCTIONS TO ENSURE THAT ADEQUATE MATERIAL IS PROVIDED TO MEET THE FABRICATION OF THE ITEM AS PER THE REFERRED ASSEMBLY DRAWING.



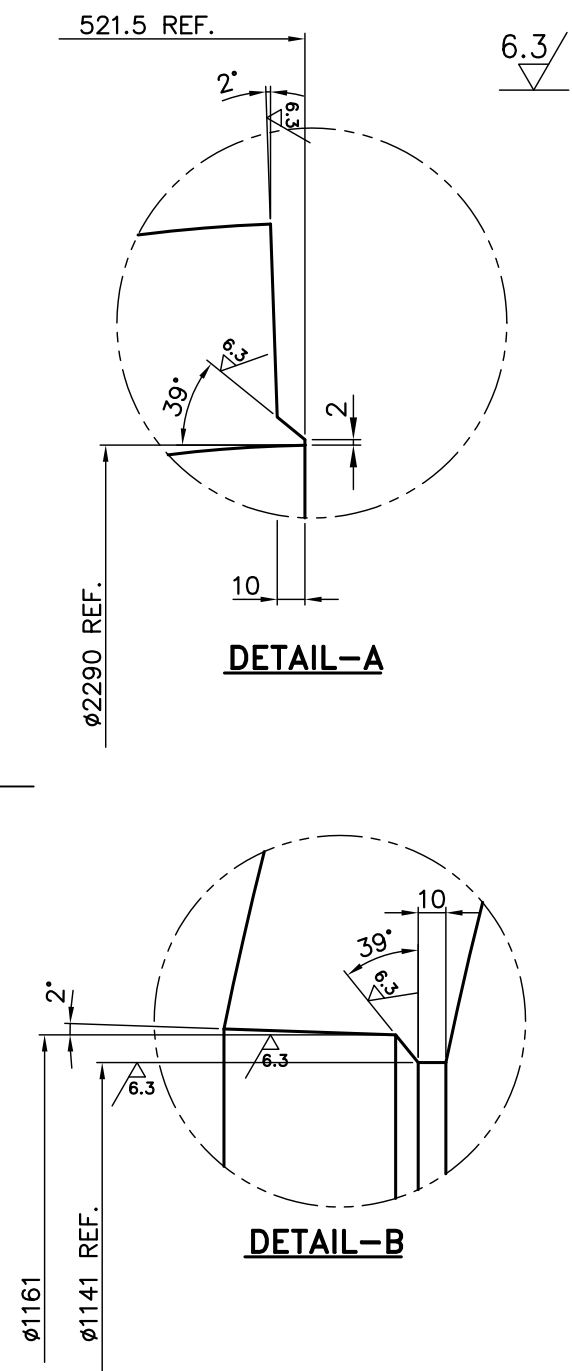
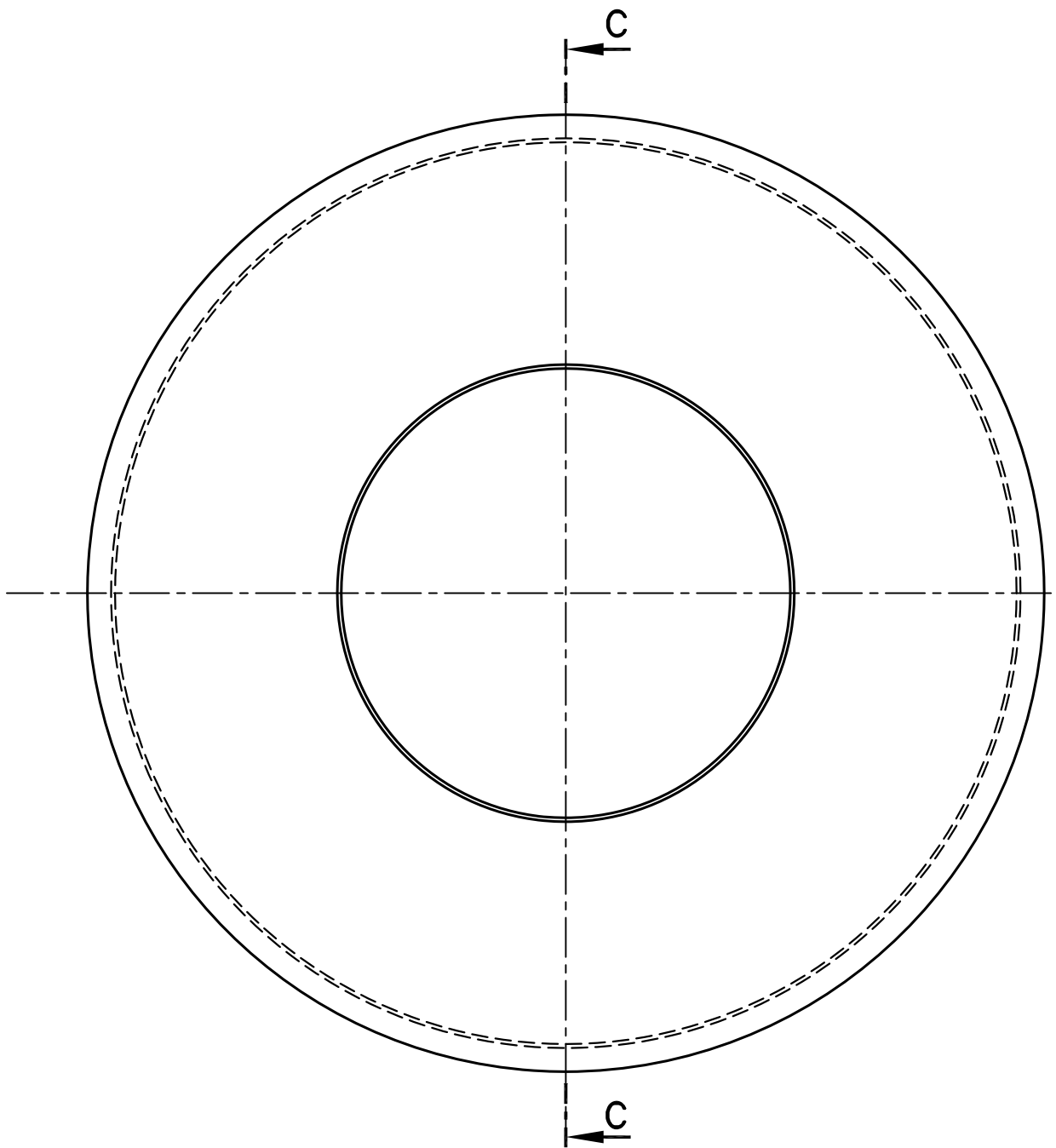
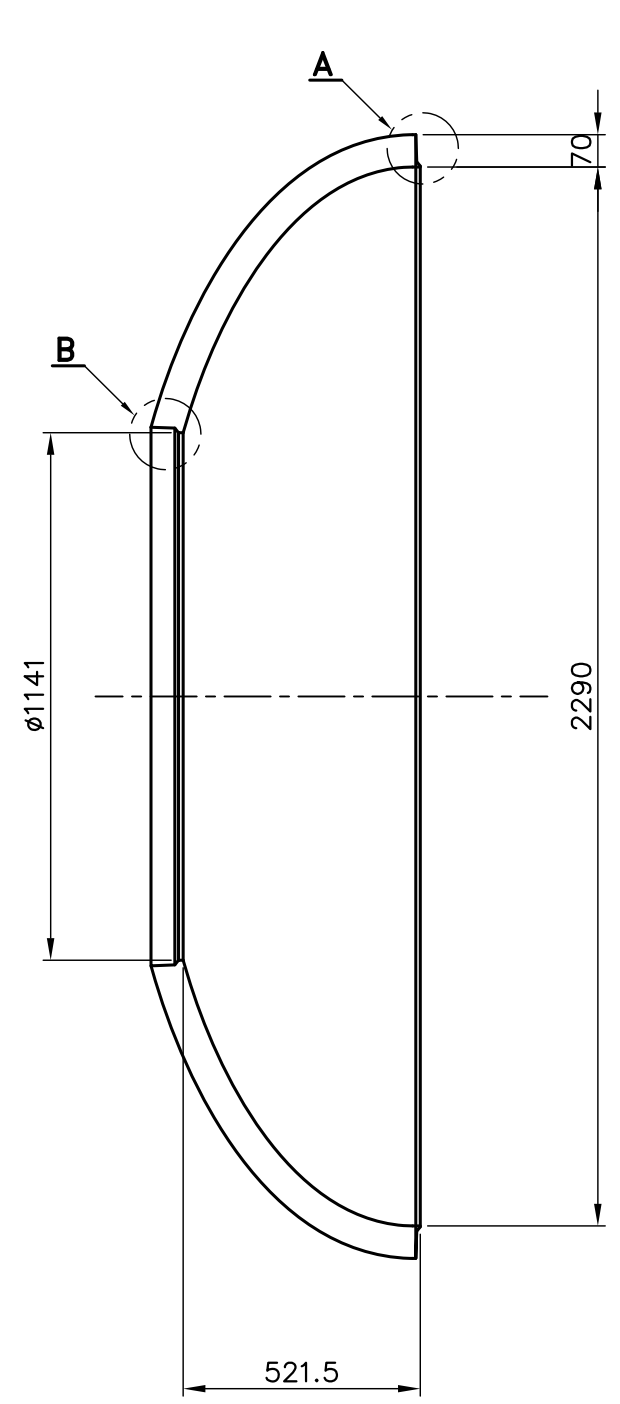
DEVELOPED PLATE FOR FABRICATION

TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT		2MCL 1007			
BHARAT HEAVY ELECTRICALS LTD. HYDERABAD		DRN.	NAME	SIGN.	DATE
		DEEPAK			07.11.22
		SUGUNA			07.11.22
		YVRL			07.11.22
DEPT. CODE	UNTOL. DIMS. GR. ϕ /M/f	SCALE	WEIGHT (KG)	REF. TO ASSY. DRG.	ITEM NO.
		NTS	286	1-331-07-00034	NA
TITLE		CARD CODE	DRAWING NO.		REV.
HALF PIPE FOR DIA 24" NOZZLE			3-331-07-00096		00
		SHT. No 01		NO. OF SHT. 01	

DRG. NO. 3-331-07-00097 SH. 01 OF 01

THE INFORMATION ON THIS DOCUMENT IS THE PROPERTY OF BHARAT HEAVY ELECTRICALS LIMITED. IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO THE INTEREST OF THE COMPANY
 COMPUTER FILE NAME
 REF. DRG. NO.
 SIGN. AND DATE
 INVENTORY NO.

GENERAL DIMENSIONAL LIMITS, FITS & TOLERANCES AS PER HY0230261



SECTION C-C

NOTES AND DOCUMENTS MENTIONED:

1. THE VALUES OF THE GEOMETRICAL TOLERANCES ARE THE MAX READING ON THE GAUGE (F.I.R.)



TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT		2MCL 1007			
BHARAT HEAVY ELECTRICALS LTD. HYDERABAD		DRN.	NAME	SIGN.	DATE
		CHD.	DEEPAK		09.11.22
		APPD.	SUGUNA		09.11.22
			YVRL		21.06.10
DEPT. COMP. CODE 420	UNTOL. DIMS. GR. G/M/F	SCALE N.T.S	WEIGHT (KG) 2897	REF. TO ASSY. DRG. -N.A.-	NO. OF ITEMS -N.A.-
TITLE		DRAWING NO.		REV.	
ROUNDED BOTTOM MACHINED		3-331-07-00097		00	
		SHT. No 01		NO. OF SHT. 01	

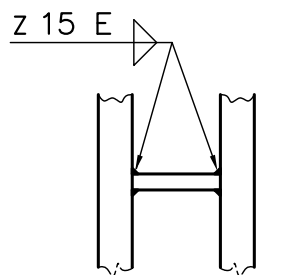
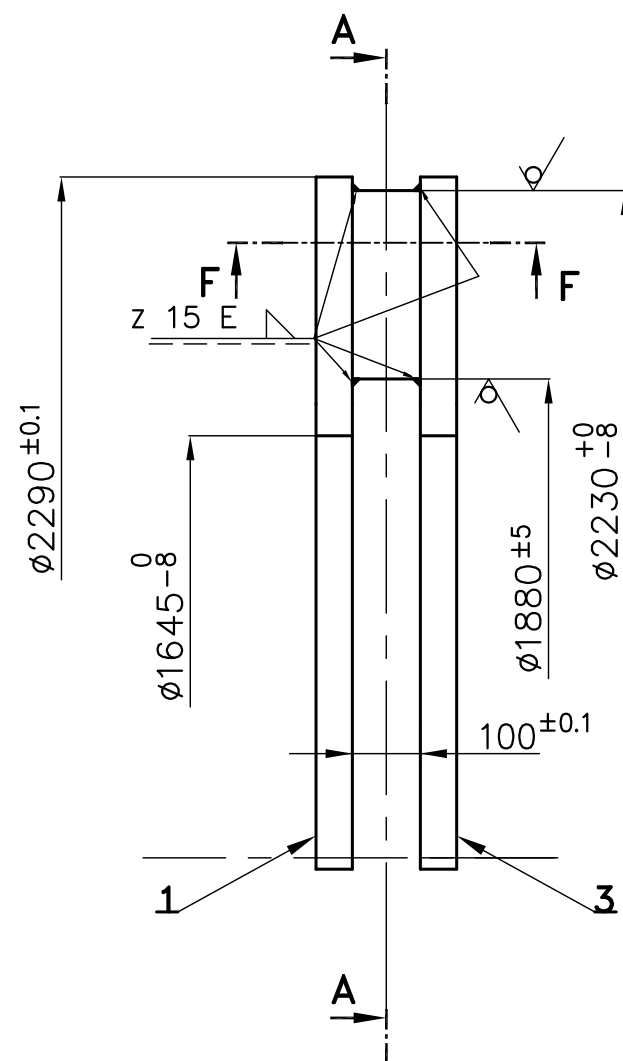
REV.	DATE	ALTERED		REV.	DATE	ALTERED	
		CHD	APPD			CHD	APPD
ZONE				ZONE			

DRG. NO. 3-331-07-00099

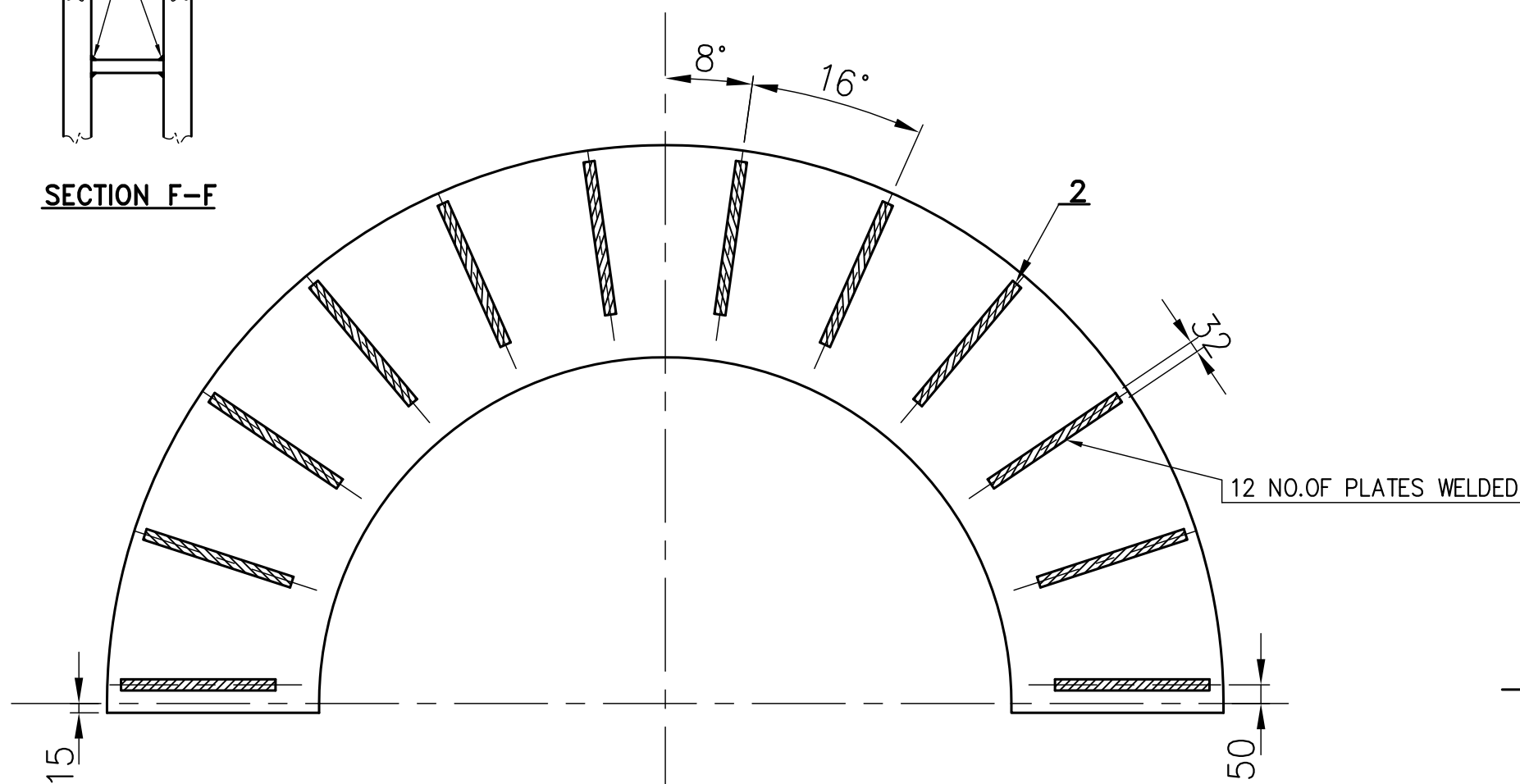
SHT. 01 OF 01

THE INFORMATION ON THIS DOCUMENT IS THE PROPERTY OF BHARAT HEAVY ELECTRICALS LIMITED. IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO THE INTEREST OF THE COMPANY

GENERAL DIMENSIONAL LIMITS, FITS & TOLERANCES AS PER HY0230261



SECTION F-F



NOTE:

1. ALL PLATES SHALL BE CHECKED FOR 100% UT AS PER A435/ A435M BEFORE CUTTING.
2. ALL WELDS SHALL BE CHECKED FOR 100% RADIGRAPHY AS PER TC 72062.
3. WHEREVER 100% RADIOGRAPHY IS NOT FEASIBLE ALL WELDS SHALL BE SUBJECTED TO 100% UT AS PER TC 72063.
4. 100% MPI AS PER TC 72060.

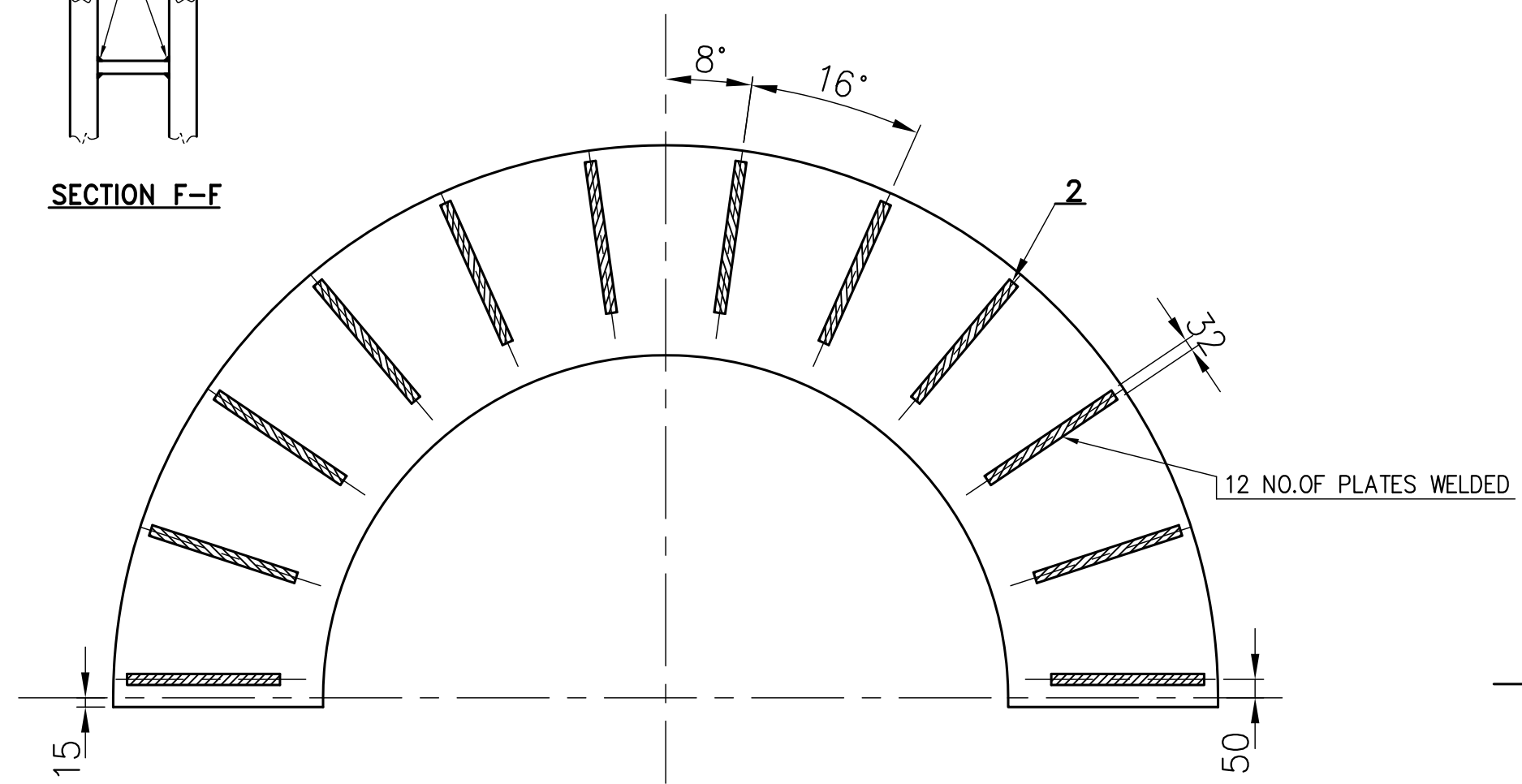
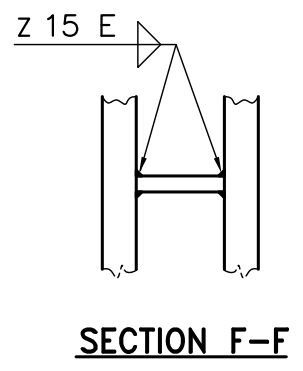
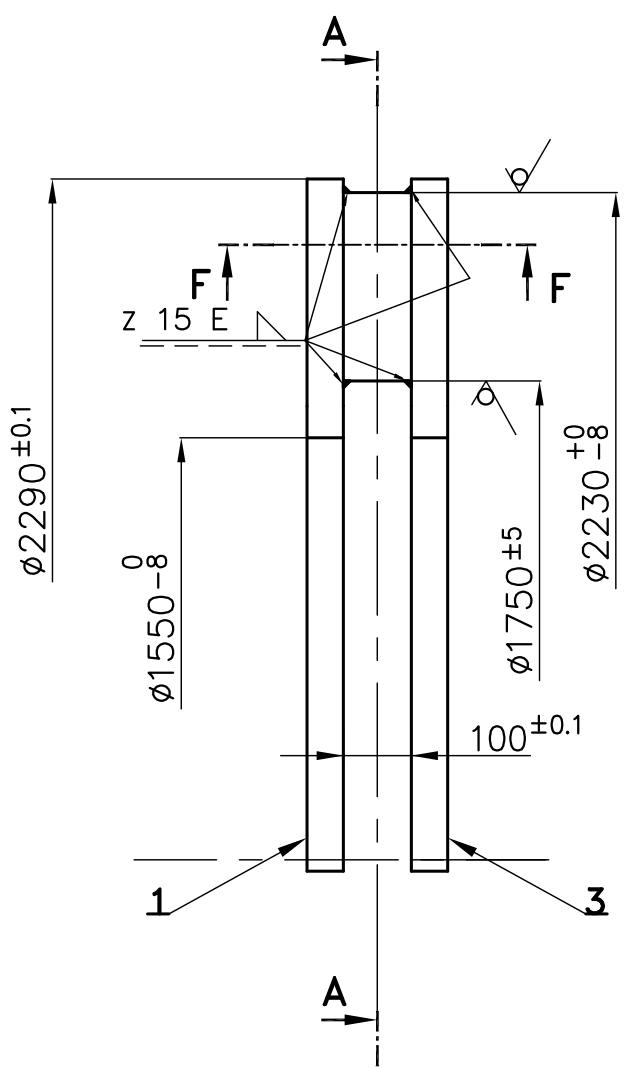
TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT		NRL FCCU 2MCL 1007			
BHARAT HEAVY ELECTRICALS LTD. HYDERABAD		DRN.	NAME	SIGN.	DATE
		CHD.	SUGUNA		12.11.22
		APPD.	DILEEP		12.11.22
			YVRL		12.11.22
DEPT. CODE	UNTOL. DIMS. GR. ϕ /M/f	SCALE NTS	WEIGHT (KG)	REF. TO ASSY. DRG.	ITEM NO.
			1050	0-331-07-00032	NA
TITLE			CARD CODE	DRAWING NO.	REV.
HALF RING FOR COUNTER CASING FIXING PH-1			NA	3-331-07-00099	00
		SHT. No	01	NO. OF SHT.	01

INVENTORY NO	REV.	DATE	ALTERED	REV.	DATE	ALTERED	REV.	DATE	ALTERED
			CHD/APPD			CHD/APPD			CHD/APPD
			ZONE			ZONE			ZONE

THE INFORMATION ON THIS DOCUMENT IS THE PROPERTY OF BHARAT HEAVY ELECTRICALS LIMITED. IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO THE INTEREST OF THE COMPANY.

DRG. NO. 3-331-07-00100
 SHT. 01 OF 01

GENERAL DIMENSIONAL LIMITS, FITS & TOLERANCES AS PER HY0230261



12.5 / / /

NOTE:

1. ALL PLATES SHALL BE CHECKED FOR 100% UT AS PER A435/ A435M BEFORE CUTTING.
2. ALL WELDS SHALL BE CHECKED FOR 100% RADIGRAPHY AS PER TC 72062.
3. WHEREVER 100% RADIOGRAPHY IS NOT FEASIBLE ALL WELDS SHALL BE SUBJECTED TO 100% UT AS PER TC 72063.
4. 100% MPI AS PER TC 72060.

TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT		NRL FCCU 2MCL 1007			
BHARAT HEAVY ELECTRICALS LTD. HYDERABAD		DRN.	NAME	SIGN.	DATE
		CHD.	SUGUNA		12.11.22
		APPD.	DILEEP		12.11.22
			YVRL		12.11.22
DEPT. CODE	UNTOL. DIMS. GR. ϕ /M/f	SCALE NTS	WEIGHT (KG)	REF. TO ASSY. DRG.	ITEM NO.
			1177	0-331-07-00032	NA
TITLE			CARD CODE	DRAWING NO.	REV.
HALF RING FOR COUNTER CASING FIXING PH-2			NA	3-331-07-00100 00	00
		SHT. No	01	NO. OF SHT.	01

REV.	DATE	ALTERED	REV.	DATE	ALTERED	REV.	DATE	ALTERED
ZONE		CHD/APPD	ZONE		CHD/APPD	ZONE		CHD/APPD

DRG. NO. 3-331-07-20006 SH. 01 OF 01

COMPUTER FILE NAME

REF. DRG. NO.

SIGN. AND DATE

INVENTORY NO

GENERAL DIMENSIONAL LIMITS, FITS & TOLERANCES AS PER HY0230261

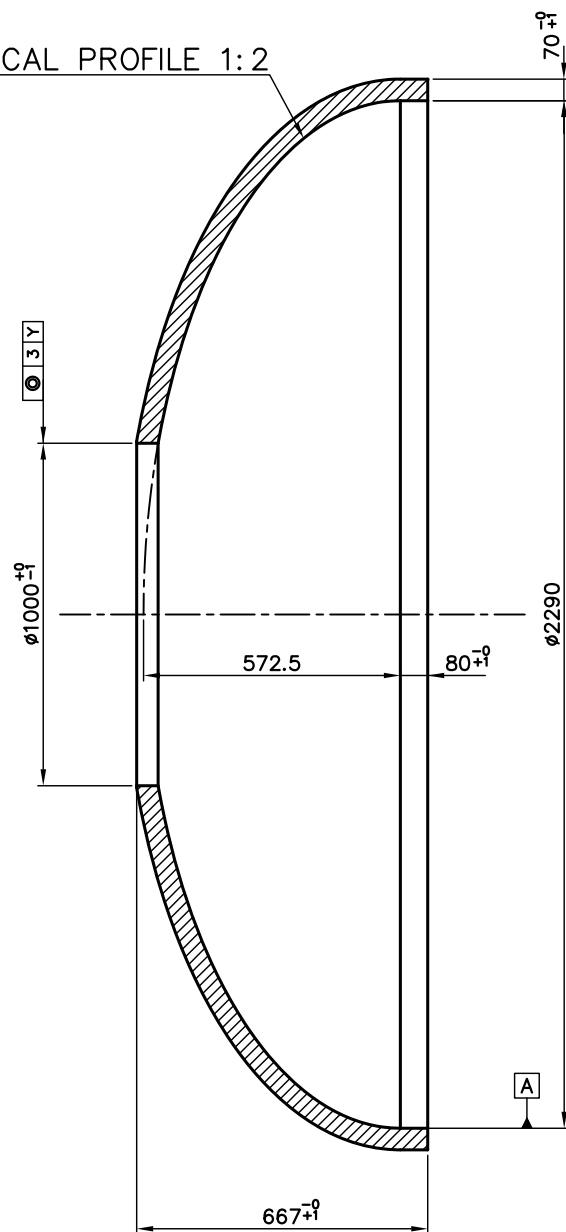
3-331-07-20006

DRG. NO.

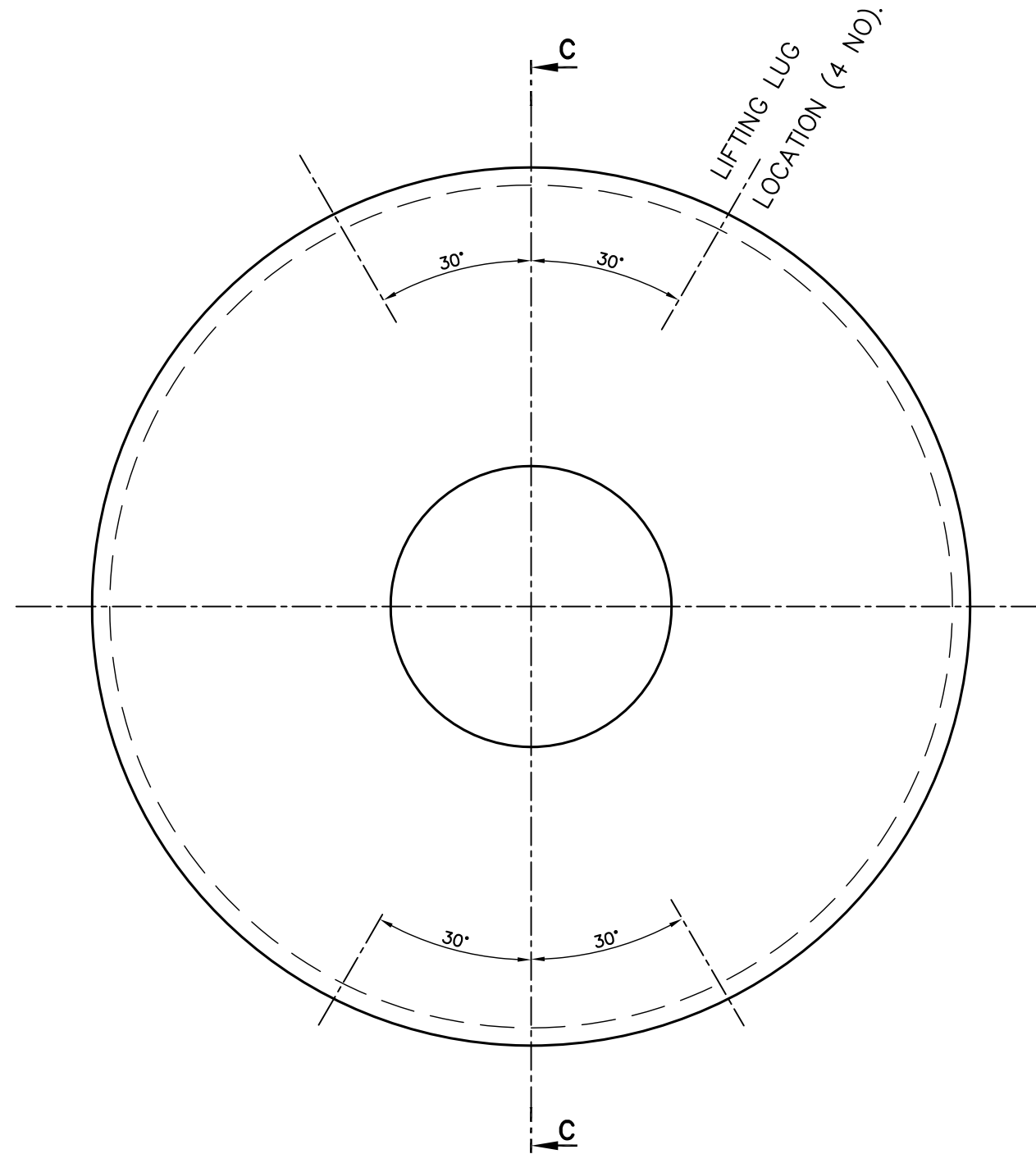
SH. 01 OF 01

6.3/

ELLIPTICAL PROFILE 1:2




SECTION C-C



NOTES :

1. MATERIAL STATE OF SUPPLY ACCORDING TO: TC32026

TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT

 BHARAT HEAVY ELECTRICALS LTD. HYDERABAD	DRN.	NAME	SIGN.	DATE	NO. OF VAR.
	CHD.	SUGUNA		08.10.22	
	APPD.	NEMA		08.10.22	-N.A.-
		YVRL		08.10.22	-N.A.-

DEPT. COMP. CODE 420	UNTOL. DIMS. GR. G/M/F	SCALE N.T.S	WEIGHT (KG) 3255	REF. TO ASSY. DRG. -N.A.-	ITEM NO. -N.A.-	NO. OF ITEMS -N.A.-
----------------------	------------------------	-------------	------------------	---------------------------	-----------------	---------------------

TITLE			CARD CODE	DRAWING NO.	REV.
ROUNDED BOTTOM FORGING			N.A.	3-331-07-20006 00	
SHT. No 01		NO. OF SHT. 01			

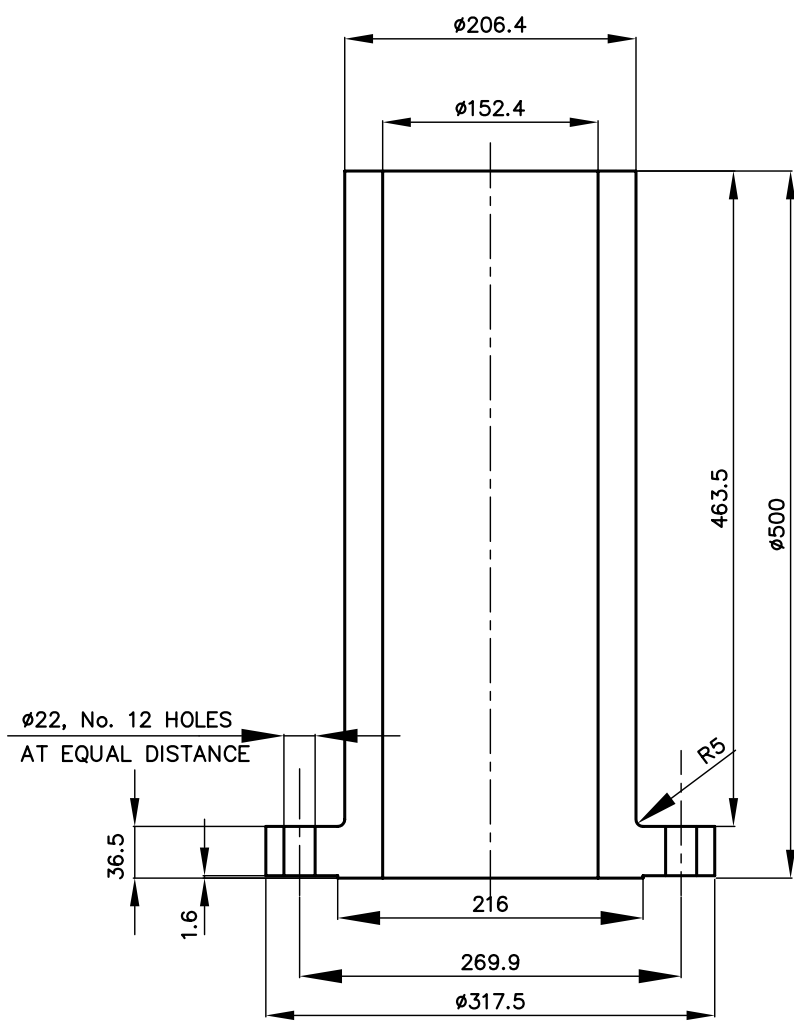
FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm)

THE INFORMATION ON THIS DOCUMENT IS THE PROPERTY OF BHARAT HEAVY ELECTRICALS LIMITED. IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO THE INTEREST OF THE COMPANY

REV.	DATE	ALTERED	REV.	DATE	ALTERED
		CHECKED			CHECKED

GEN. DIM. LIMITS, FITS, & TOLERANCES AS PER P.S. :- HY0230261



DATE	COMPUTER FILE NAME	REMARKS	ITEM NO	DESCRIPTION	STD	MATL. CODE	A	UNIT	UNIT Wt.
						MATL. SPEN.	C		QTY.



BHARAT HEAVY ELECTRICALS LTD. HYDERABAD		DRN.	JCS/K	SIGN.		DATE	01.07.10	NO. OF VAR.
		CHD.	SDR	RESTRICTED USE		DATE	01.07.10	NA
		APPD.	PNR			DATE	01.07.10	

DEPT. COMP.	UNTO. DIM. GR.		SCALE	WEIGHT (KG)	REF. DRG	ITEM NO.	NO. OF ITEMS	
DEPT. CODE 420	C/M/F		NTS	73	SW 4586406/3	-	-	
TITLE					CARD CODE	DRAWING NO.	REV.	
SPECIAL FLANGE DIA 6"-300#						4-331-07-00102	00	
			SHT No.	1	NO OF SHT.			1

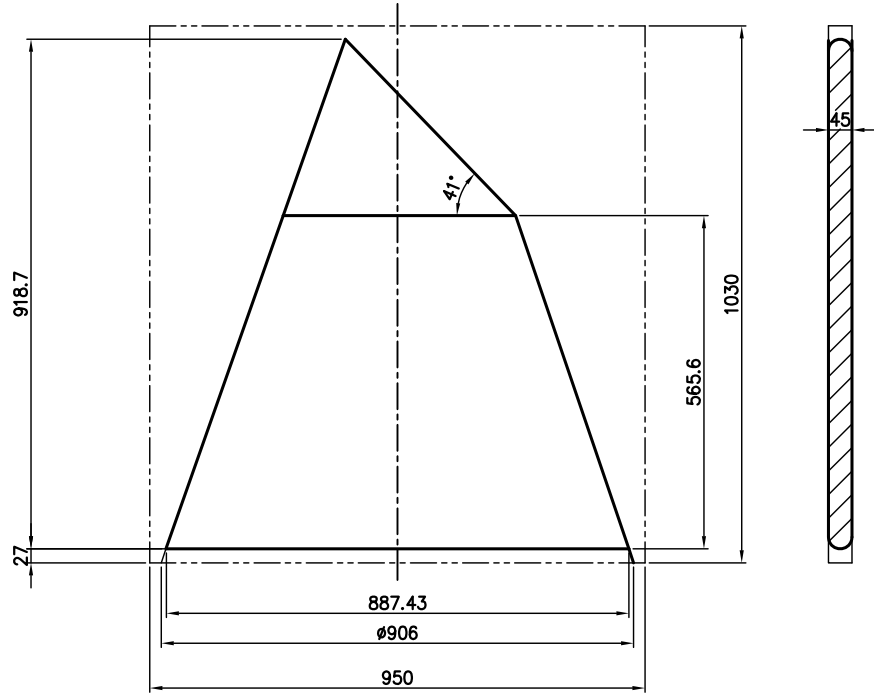
03-07-2010
12:57:21

This Drawing is printed from Engineering Digital Archive System (EDAS). Therefore signatures are not essentially required.

THE INFORMATION ON THIS DOCUMENT IS THE PROPERTY OF BHARAT HEAVY ELECTRICALS LIMITED. IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO THE INTEREST OF THE COMPANY

REV.	DATE	ALTERED	REV.	DATE	ALTERED
		CHECKED			CHECKED

GEN. DIM. LIMITS , FITS , & TOLERANCES AS PER P.S :- HY0230261



NOTE:

1. ALL PLATE SHALL BE CHECKED FOR 100% UT AS PER A435/A435M BEFORE CUTTING.
2. TENTATIVE DEVELOPED PLATE REQUIREMENT IS INDICATED ABOVE. TECHNOLOGY TO PROVIDE PROCESS INSTRUCTIONS TO ENSURE THAT ADEQUATE MATERIAL IS PROVIDED TO MEET THE FABRICATION OF THE ITEM AS PER THE REFERRED ASSEMBLY DRAWING.

SIGN. AND DATE COMPUTER FILE NAME INVENTORY NO

REMARKS	ITEM NO	DESCRIPTION	STD	MATL. CODE	A/C	UNIT	UNIT Wt.
				MATL. SPEN.			QTY.



BHARAT HEAVY ELECTRICALS LTD. HYDERABAD		NAME	SIGN.	DATE	NO. OF VAR.
DRN.	DEEPAK			07.11.22	NA
CHD.	SUGUNA			07.11.22	
APPD.	YVRL			07.11.22	

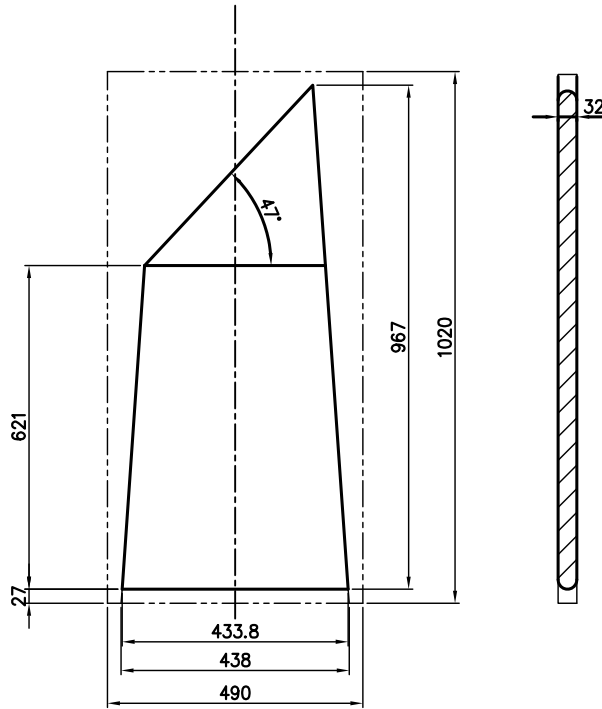
DEPT. COMP.	UNTOL. DIM. GR.	SCALE	WEIGHT (KG)	REF. TO ASSY DRG.	ITEM NO.	NO. OF ITEMS
DEPT. CODE 420	c/m/f	NTS	178	1-331-07-00032	NA	NA
TITLE				DRAWING NO.	REV.	
RIB FOR DIA 40" NOZZLE				4-331-07-00121	00	
				SHT No. 01	NO OF SHT. 01	

THE INFORMATION ON THIS DOCUMENT IS THE PROPERTY OF BHARAT HEAVY ELECTRICALS LIMITED.
 IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO THE INTEREST OF THE COMPANY
 GEN. DIM. LIMITS , FITS , & TOLERANCES AS PER P.S :- HY0230261
 COMPUTER FILE NAME
 SIGN. AND DATE
 INVENTORY NO

FIRST ANGLE PROJECTION

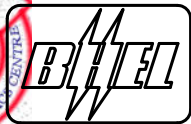
(ALL DIMENSIONS ARE IN mm)

REV.	DATE	ALTERED	REV.	DATE	ALTERED
		CHECKED			CHECKED



NOTE:

1. ALL PLATE SHALL BE CHECKED FOR 100% UT AS PER A435/A435M BEFORE CUTTING.
2. TENTATIVE DEVELOPED PLATE REQUIREMENT IS INDICATED ABOVE. TECHNOLOGY TO PROVIDE PROCESS INSTRUCTIONS TO ENSURE THAT ADEQUATE MATERIAL IS PROVIDED TO MEET THE FABRICATION OF THE ITEM AS PER THE REFERRED ASSEMBLY DRAWING.

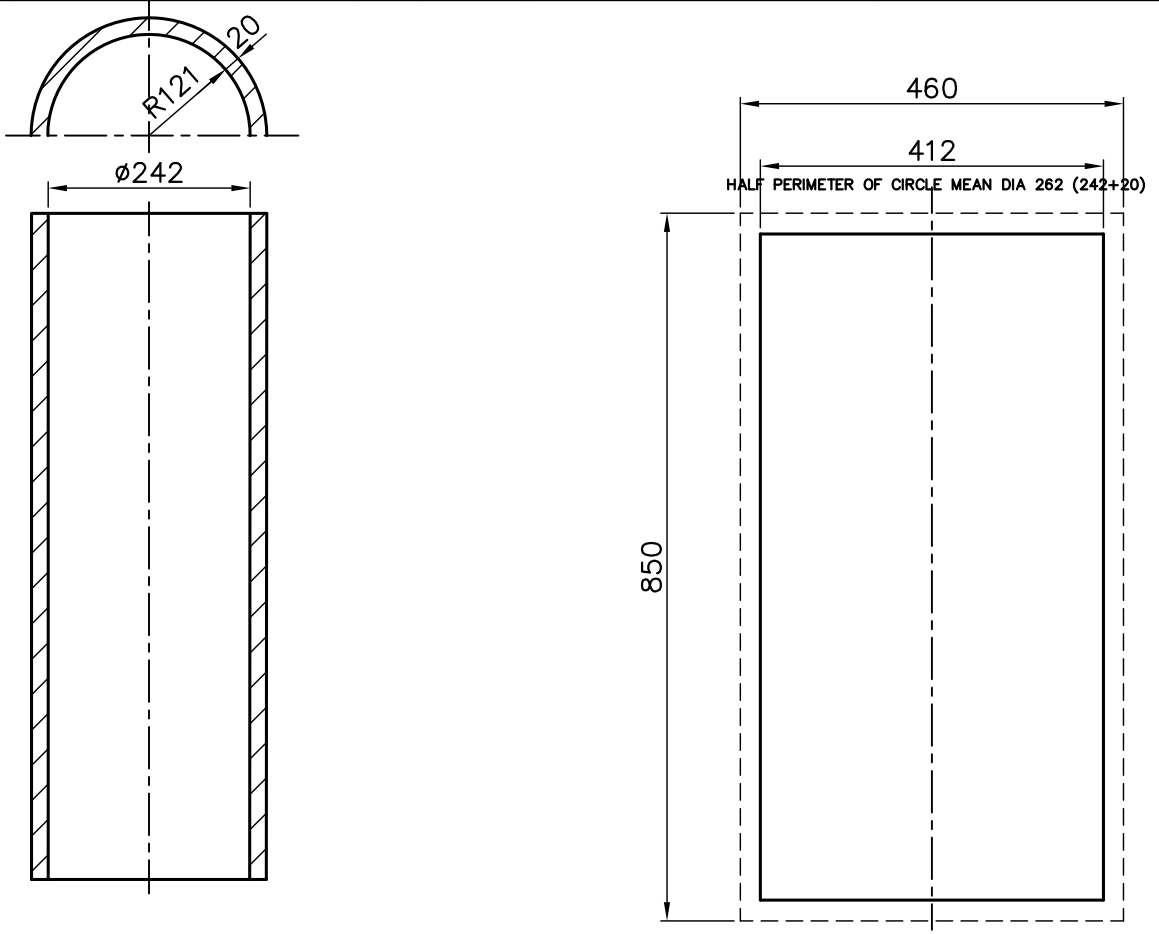
REMARKS	ITEM NO	DESCRIPTION	STD	MATL. CODE	A	UNIT	UNIT Wt.
				MATL. SPEN.	C		QTY.
		BHARAT HEAVY ELECTRICALS LTD. HYDERABAD		DRN.	DEEPAK	SIGN.	DATE
DEPT. COMP. UNTOL. DIM. GR. e/M/F DEPT. CODE 420		SCALE NTS	WEIGHT (KG) 76	CHD.	SUGUNA		07.11.22
REF. TO ASSY DRG. 1-331-07-00033		ITEM NO. NA	NO. OF ITEMS NA	APPD.	YVRL		07.11.22
TITLE RIB FOR DIA 20" NOZZLE			CARD CODE NA	DRAWING NO. 4-331-07-00122		REV. 00	
				SHT No. 01	NO OF SHT. 01		

THE INFORMATION ON THIS DOCUMENT IS THE PROPERTY OF BHARAT HEAVY ELECTRICALS LIMITED.
 IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO THE INTEREST OF THE COMPANY
 GEN. DIM. LIMITS , FITS , & TOLERANCES AS PER P.S :- HY0230261
 SIGN. AND DATE COMPUTER FILE NAME
 INVENTORY NO

FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm)

REV.	DATE	ALTERED	REV.	DATE	ALTERED
		CHECKED			CHECKED



NOTE:

1. ALL PLATE SHALL BE CHECKED FOR 100% UT AS PER A435/A435M BEFORE CUTTING.
2. TENTATIVE DEVELOPED PLATE REQUIREMENT IS INDICATED ABOVE. TECHNOLOGY TO PROVIDE PROCESS INSTRUCTIONS TO ENSURE THAT ADEQUATE MATERIAL IS PROVIDED TO MEET THE FABRICATION OF THE ITEM AS PER THE REFERRED ASSEMBLY DRAWING.

REMARKS	ITEM NO	DESCRIPTION	STD	MATL. CODE	A/C	UNIT	UNIT Wt.
				MATL. SPEN.			QTY.

	DRN.	DEEPAK	SIGN.	DATE	NO. OF VAR.
	CHD.	SUGUNA		09.11.22	
	APPD.	YVRL		09.11.22	

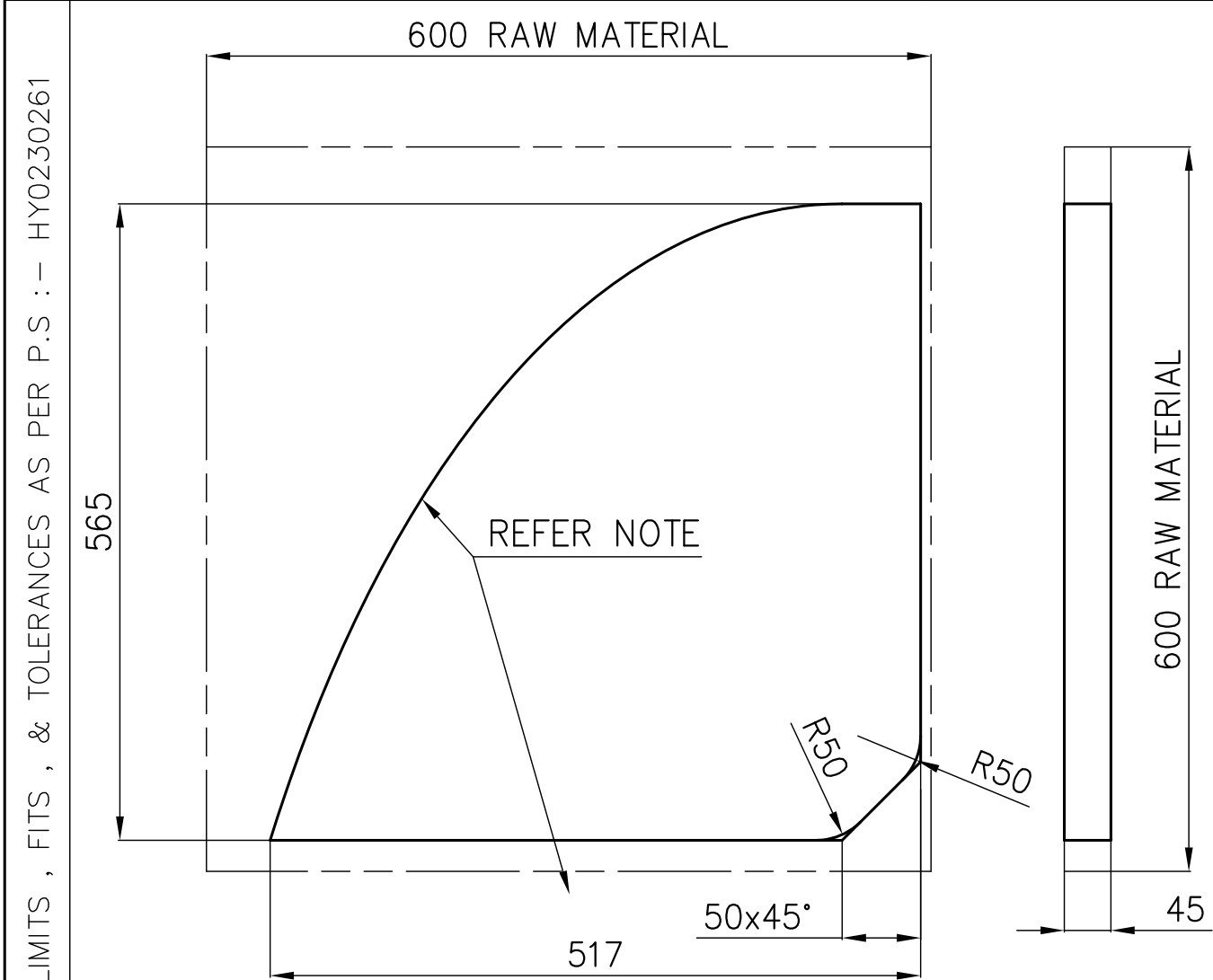
DEPT. COMP.	UNTOL. DIM. GR.		SCALE	WEIGHT (KG)	REF. TO ASSY DRG.	ITEM NO.	NO. OF ITEMS
DEPT. CODE 420	c/M/F		NTS	52	1-331-07-00035	NA	NA
TITLE				CARD CODE	DRAWING NO.	REV.	
HALF PIPE FOR DIA 10" NOZZLE					4-331-07-00123	00	
			SHT No.	01	NO OF SHT. 01		

THE INFORMATION ON THIS DOCUMENT IS THE PROPERTY OF **BHARAT HEAVY ELECTRICALS LIMITED.**
IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO THE INTEREST OF THE COMPANY

FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm)

REV.	DATE	ALTERED	REV.	DATE	ALTERED
		CHECKED			CHECKED




GEN. DIM. LIMITS, FITS, & TOLERANCES AS PER P.S. :- HY0230261

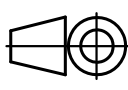
NOTE:

THESE PROFILES AND DIMENSIONS SHALL BE MATCHED WITH THE PROFILE OF THE THE FABRICATED CASING AS PER DRG NO. 03310700032. THE PROFILE CAN BE CUT USING A TEMPLATE MADE FROM CASING PROFILE

INVENTORY NO
SIGN. AND DATE
COMPUTER FILE NAME

REMARKS	ITEM NO	DESCRIPTION	STD	MATL. CODE	A/C	UNIT	UNIT Wt.
				MATL. SPEN.			QTY.

 <p>BHARAT HEAVY ELECTRICALS LTD. HYDERABAD</p>	DRN.	SUGUNA	SIGN.	DATE	NO. OF VAR.
	CHD.	DILEEP		12.11.22	
	APPD.	YVRL		12.11.22	

DEPT. COMP.	UNTOL. DIM. GR.		SCALE	WEIGHT (KG)	REF. TO ASSY DRG.	ITEM NO.	NO. OF ITEMS
DEPT. CODE 420	c/M/F		NTS	74.5	0-331-07-00032		
TITLE				CARD CODE	DRAWING NO.	REV.	
<p>INLET RIB ON 1st SUCTION SIDE</p>					4-331-07-00124	00	
				SHT No.	1	NO OF SHT.	1

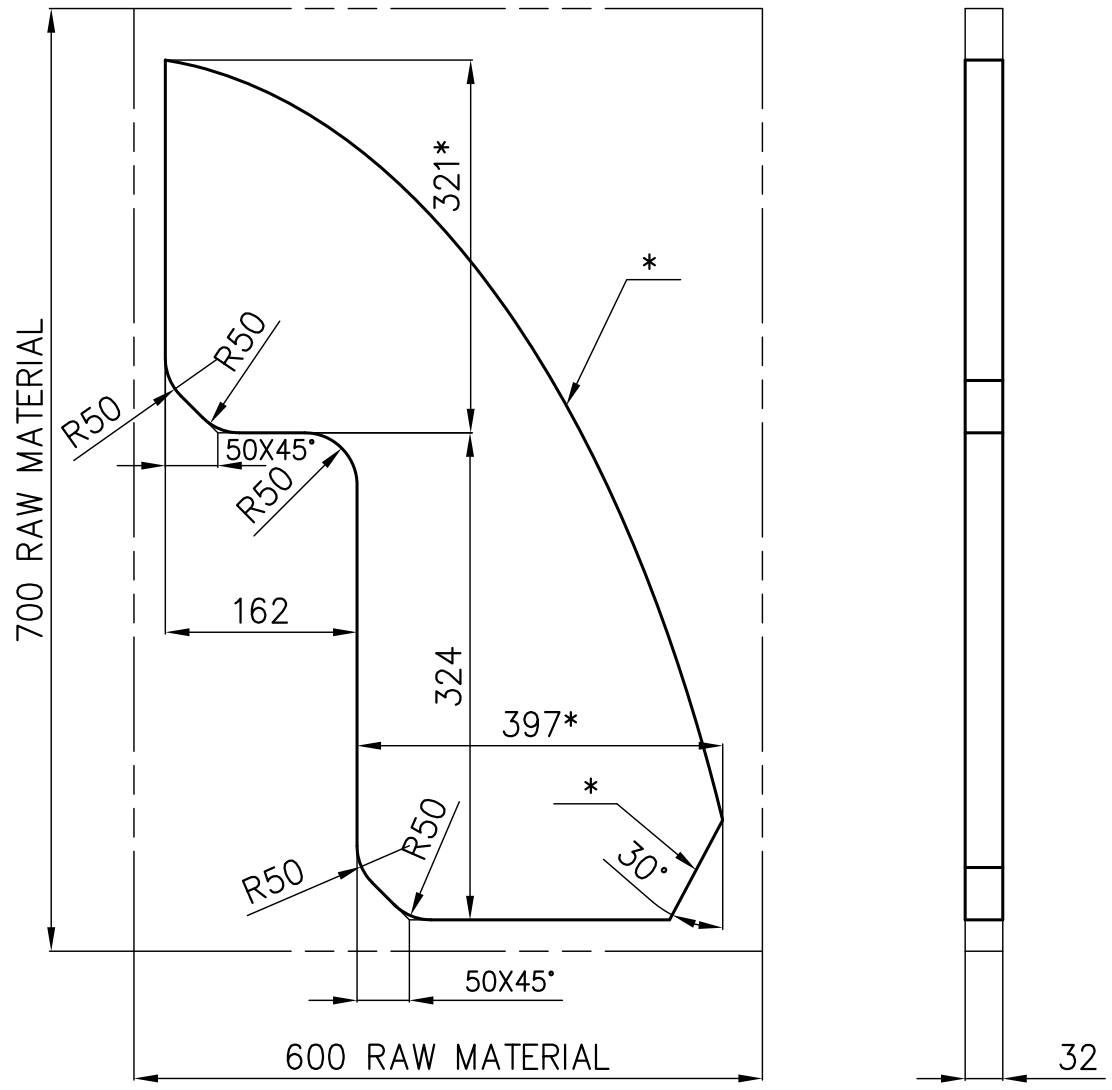
INVENTORY NO _____ SIGN. AND DATE _____ COMPUTER FILE NAME _____ THE INFORMATION ON THIS DOCUMENT IS THE PROPERTY OF BHARAT HEAVY ELECTRICALS LIMITED. IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO THE INTEREST OF THE COMPANY

FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm)

REV.	DATE	ALTERED	REV.	DATE	ALTERED
		CHECKED			CHECKED

GEN. DIM. LIMITS, FITS, & TOLERANCES AS PER P.S. :- HY0230261



* - THESE PROFILES AND DIMENSIONS SHALL BE MATCHED WITH THE PROFILE OF THE THE FABRICATED CASING AS PER DRG NO. 0331070032. THE PROFILE CAN BE CUT USING A TEMPLATE MADE FROM CASING PROFILE

REMARKS	ITEM NO	DESCRIPTION	STD	MATL. CODE	A	UNIT	UNIT Wt.
				MATL. SPEN.	C		QTY.



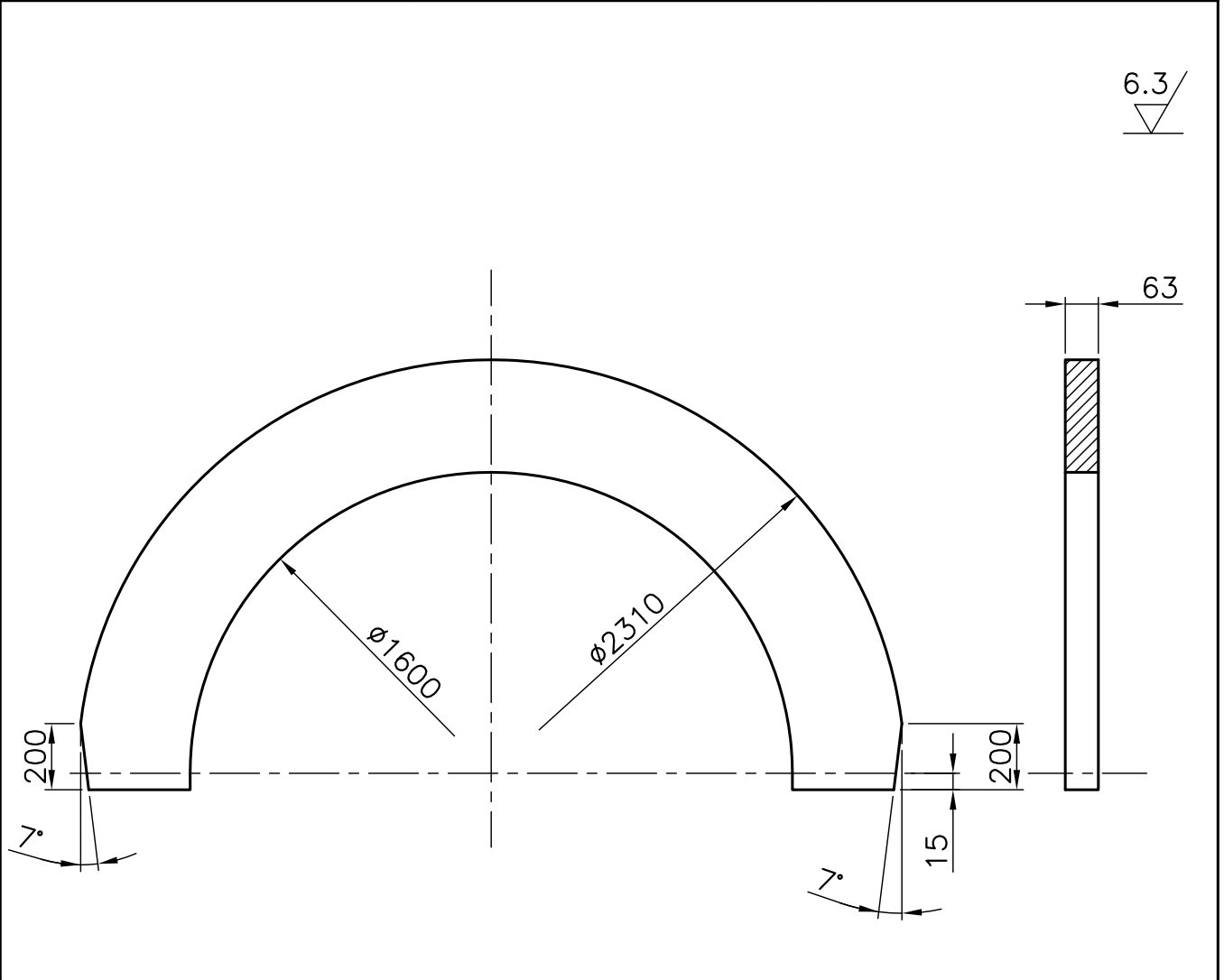
BHARAT HEAVY ELECTRICALS LTD.
HYDERABAD

DRN.	NAME	SIGN.	DATE	NO. OF VAR.
CHD.	SUGUNA		12.11.22	
APPD.	DILEEP		12.11.22	
	YVRL		12.11.22	

DEPT. COMP.	UNTOL. DIM. GR.		SCALE	WEIGHT (KG)	REF. TO ASSY DRG.	ITEM NO.	NO. OF ITEMS
DEPT. CODE 420	c/M/F		NTS	56	0-331-07-00032		
TITLE				CARD CODE	DRAWING NO.	REV.	
INLET RIB ON 2 nd SUCTION SIDE					4-331-07-00125	00	
					SHT No.	NO OF SHT.	

THE INFORMATION ON THIS DOCUMENT IS THE PROPERTY OF BHARAT HEAVY ELECTRICALS LIMITED. IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO THE INTEREST OF THE COMPANY.

REV.	DATE	ALTERED	REV.	DATE	ALTERED	REV.	DATE	ALTERED
		CHECKED			CHECKED			CHECKED
		APPROVED			APPROVED			APPROVED



NOTE:


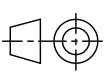
1. ALL THE PLATES SHALL BE CHECKED FOR 100% UT AS PER A435/ A435M BEFORE CUTTING.

TYPE OF PRODUCT OR
NAME OF CUSTOMER/PROJECT

COMPUTER FILE NAME

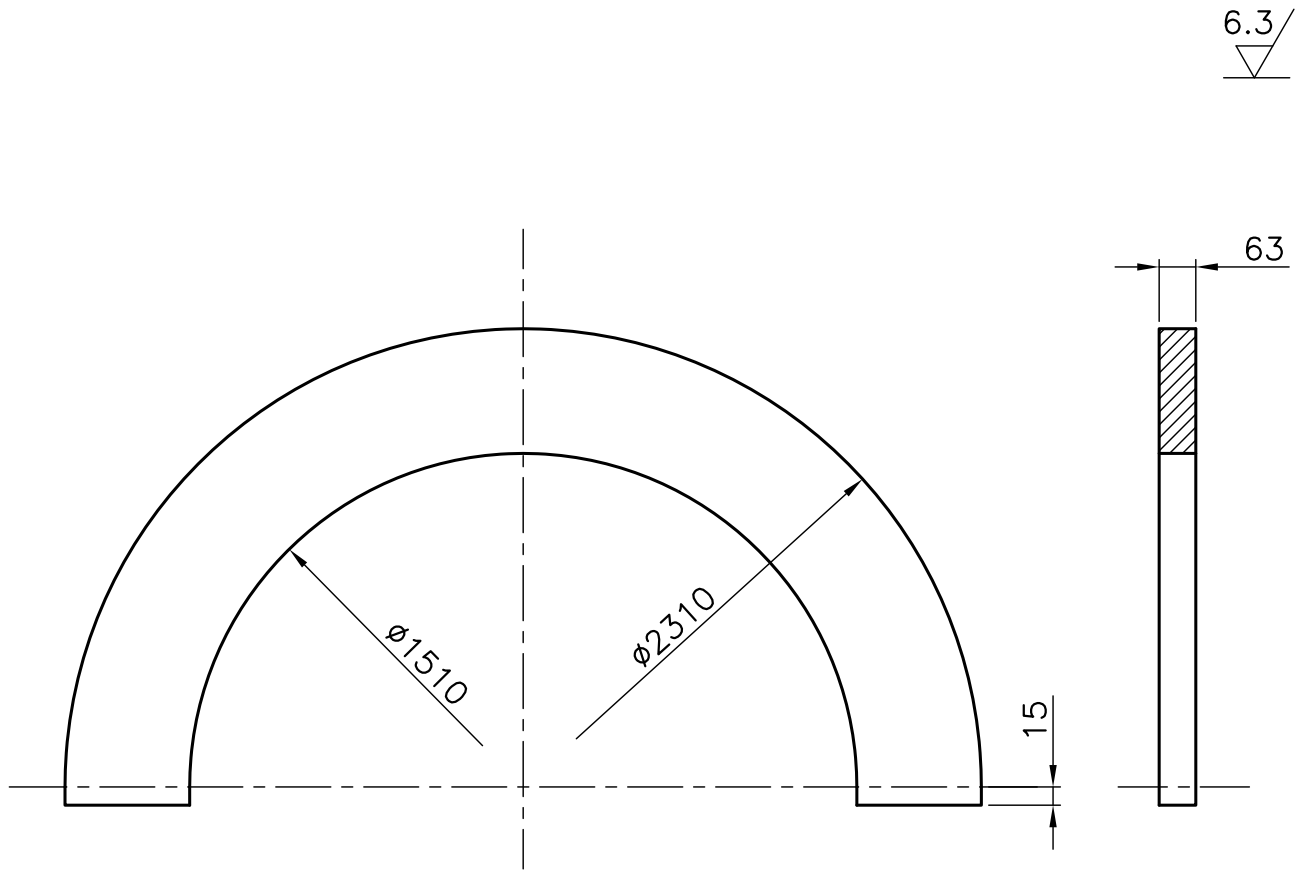
SIGN. & DATE

INVENTORY NO.

 BHARAT HEAVY ELECTRICALS LTD. HYDERABAD	DRN.	SUGUNA	SIGN	DATE	NO.OF VAR. 00		
	CKD.	DILEEP	RESTRICTED USE	12.11.22			
	APPD.	YVRL		12.11.22			
REF. TO HY02301 UNSPECIFIED TOL	DEPT. COMP. CODE 420	UNTOL. DIMS. GR. ø/M/F	 SCALE NTS	WEIGHT(K.G.) 526	REF.TO ASSY.DRG. -NA-	ITEM NO. -NA-	NO.OF ITEM -NA-
TITLE HALF RING FOR COUNTER CASING FIXING PH-1			DRAWING NO. 4-331-07-00126		REV. 00		
			SHT.NO. 01		NO.OF SHT. 01		

THE INFORMATION ON THIS DOCUMENT IS THE PROPERTY OF BHARAT HEAVY ELECTRICALS LIMITED. IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO THE INTEREST OF THE COMPANY.

REV.	DATE	ALTERED	REV.	DATE	ALTERED	REV.	DATE	ALTERED
		CHECKED			CHECKED			CHECKED
		APPROVED			APPROVED			APPROVED



NOTE:

1. ALL THE PLATES SHALL BE CHECKED FOR 100% UT AS PER A435/ A435M BEFORE CUTTING.

TYPE OF PRODUCT OR
NAME OF CUSTOMER/PROJECT

COMPUTER FILE NAME

SIGN. & DATE

INVENTORY NO.

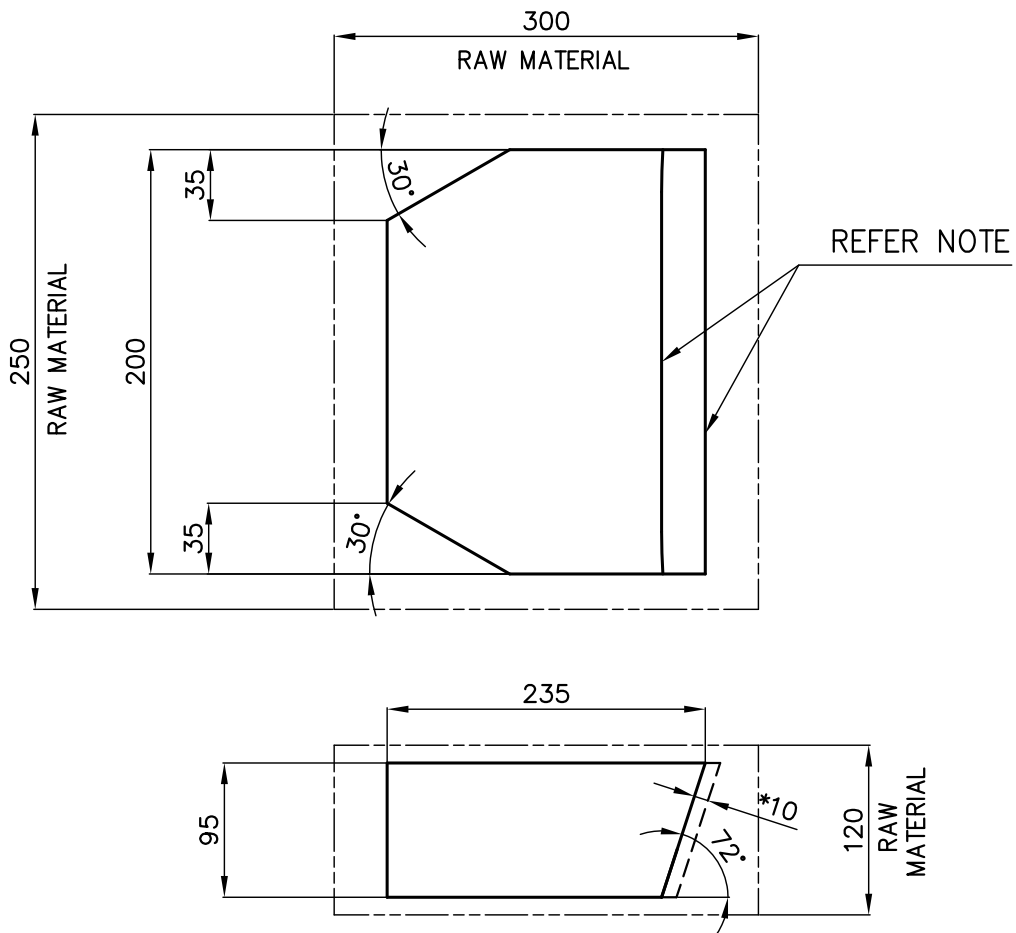
REF. TO HY0230761 FOR UNSPECIFIED TOLERANCES 	BHARAT HEAVY ELECTRICALS LTD. HYDERABAD		DRN.	SUGUNA	SIGN	DATE	NO.OF VAR. 00
			CKD.	DILEEP	RESTRICTED USE	12.11.22	
			APPD.	YVRL		12.11.22	
DEPT. COMP. CODE 420	UNTOL. DIMS. GR. \varnothing /M/F		SCALE NTS	WEIGHT(K.G.) 576	REF.TO ASSY.DRG. -NA-	ITEM NO. -NA-	NO.OF ITEM -NA-
TITLE HALF RING FOR COUNTER CASING FIXING PH-2					DRAWING NO. 4-331-07-00127		REV. 00
					SHT.NO. 01	NO.OF SHT. 01	

THE INFORMATION ON THIS DOCUMENT IS THE PROPERTY OF **BHARAT HEAVY ELECTRICALS LIMITED.**
 IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO THE INTEREST OF THE COMPANY
 GEN. DIM. LIMITS, FITS, & TOLERANCES AS PER P.S. :- HY0230261
 SIGN. AND DATE
 COMPUTER FILE NAME
 INVENTORY NO

FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm)

REV.	DATE	ALTERED	REV.	DATE	ALTERED
		CHECKED			CHECKED



NOTE:
 THESE PROFILES SHALL BE MACHINED TO MATCH THE PROFILE OF THE FIRST SUCTION NOZZLE
 DIMENSIONS INDICATED ARE FINAL MACHINED VALUE. NECESSARY ALLOWANCE SHALL BE PROVIDED
 TO MATCH THE PROFILE OF THE NOZZLE

REMARKS	ITEM NO	DESCRIPTION	STD	MATL. CODE	A	UNIT	UNIT Wt.
				MATL. SPEN.	C		QTY.

	BHARAT HEAVY ELECTRICALS LTD. HYDERABAD		DRN.	SUGUNA	SIGN.	DATE	NO. OF VAR.
			CHD.	DILEEP		12.11.22	NA
			APPD.	YVRL		12.11.22	

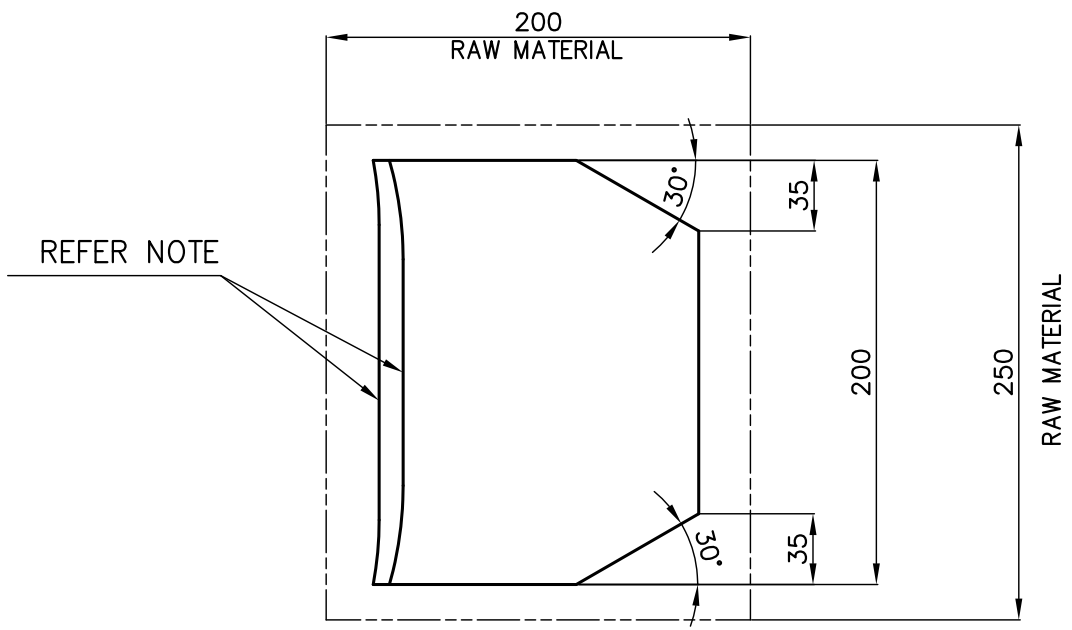
DEPT. COMP.	UNTOL. DIM. GR.		SCALE	WEIGHT (KG)	REF. DRG	ITEM NO.	NO. OF ITEMS
DEPT. CODE 420	c/M/F		NTS	34	0-331-07-00032	-	-
TITLE GUIDE BLOCK AT 1st SUCTION SIDE				CARD CODE	DRAWING NO. 4-331-07-00128		REV.
					SHT No. 1	NO OF SHT. 1	00

THE INFORMATION ON THIS DOCUMENT IS THE PROPERTY OF **BHARAT HEAVY ELECTRICALS LIMITED.**
 IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO THE INTEREST OF THE COMPANY
 GEN. DIM. LIMITS, FITS, & TOLERANCES AS PER P.S. :- HY0230261
 COMPUTER FILE NAME
 SIGN. AND DATE
 INVENTORY NO

FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm)

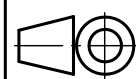
REV.	DATE	ALTERED	REV.	DATE	ALTERED
		CHECKED			CHECKED



NOTE:
 THESE PROFILES SHALL BE MACHINED TO MATCH THE PROFILE OF THE SECOND SUCTION NOZZLE
 DIMENSIONS INDICATED ARE FINAL MACHINED VALUE. NECESSARY ALLOWANCE SHALL BE PROVIDED
 TO MATCH THE PROFILE OF THE NOZZLE

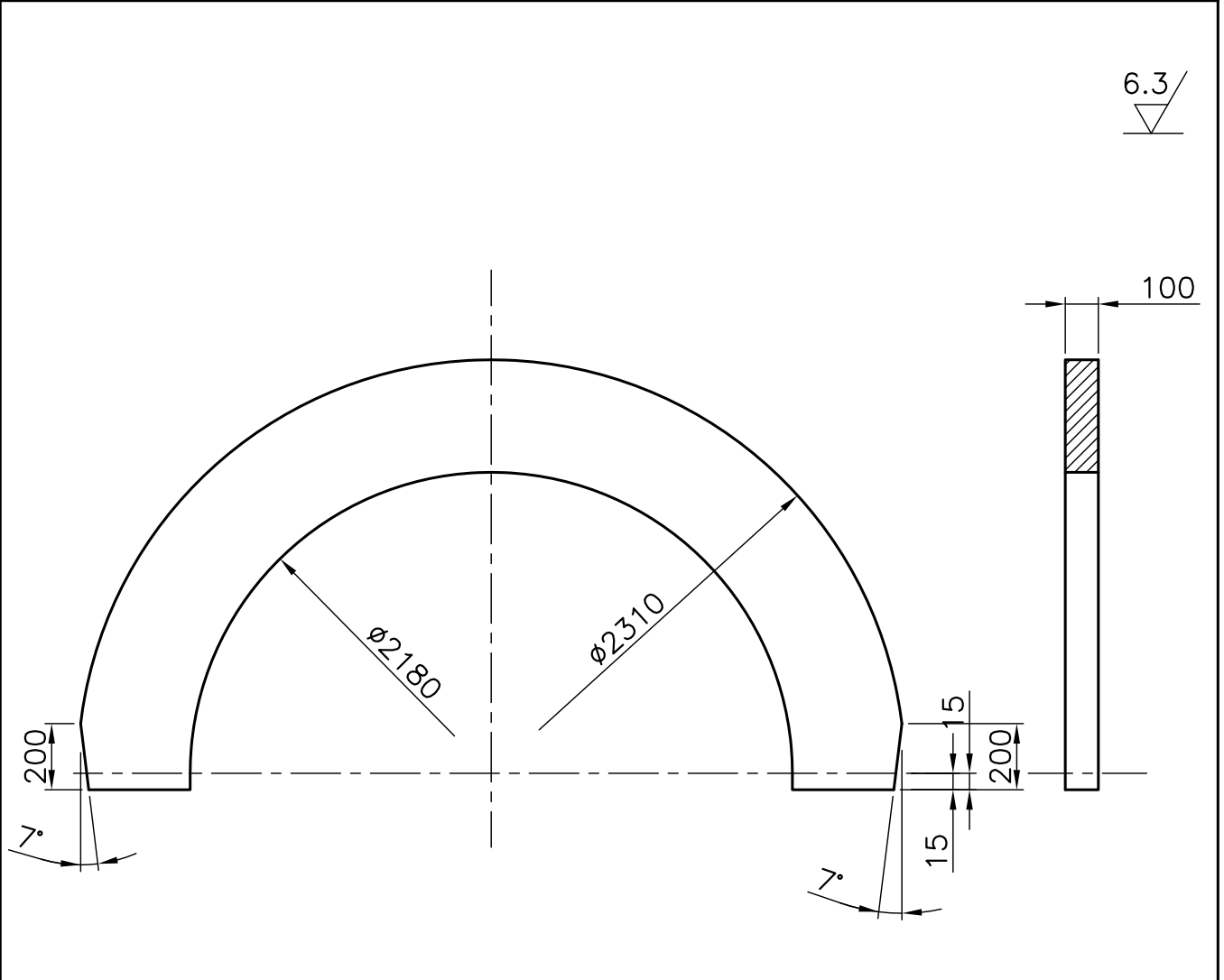
REMARKS	ITEM NO	DESCRIPTION	STD	MATL. CODE	A	UNIT	UNIT Wt.
				MATL. SPEN.	C		QTY.

 BHARAT HEAVY ELECTRICALS LTD. HYDERABAD	DRN.	SUGUNA	SIGN.	DATE	NO. OF VAR.
	CHD.	DILEEP	RESISTED USE	12.11.22	NA
	APPD.	YVRL		12.11.22	

DEPT. COMP.	UNTO. DIM. GR.		SCALE	WEIGHT (KG)	REF. DRG	ITEM NO.	NO. OF ITEMS
DEPT. CODE 420	c/m/f		NTS	22	0-331-07-00032	-	-
TITLE				CARD CODE	DRAWING NO.	REV.	
GUIDE BLOCK AT 2nd SUCTION SIDE					4-331-07-00129	00	
SHT No.			1	NO OF SHT.			1

THE INFORMATION ON THIS DOCUMENT IS THE PROPERTY OF BHARAT HEAVY ELECTRICALS LIMITED. IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO THE INTEREST OF THE COMPANY.

REV.	DATE	ALTERED	REV.	DATE	ALTERED	REV.	DATE	ALTERED
		CHECKED			CHECKED			CHECKED
		APPROVED			APPROVED			APPROVED



NOTE:

1. ALL THE PLATES SHALL BE CHECKED FOR 100% UT AS PER A435/ A435M BEFORE CUTTING.

TYPE OF PRODUCT OR
NAME OF CUSTOMER/PROJECT

COMPUTER FILE NAME

SIGN. & DATE

INVENTORY NO.

	DEPT. COMP. CODE 420		UNTOL. DIMS. GR. ø/M/F		SCALE NTS	WEIGHT(K.G.) 182	REF.TO ASSY.DRG. -NA-	ITEM NO. -NA-	NO.OF VAR. 00
	TITLE HALF RING FOR COUNTER CASING INTER PHASE DIAPHRAGM						DRAWING NO. 4-331-07-00132		REV. 00
	REF. TO HY02301 UNSPECIFIED TOL						SHT.NO. 01	NO.OF SHT. 01	