

998902NLSH

FIRST ANGLE PROJECTION

ALL DIMENSIONS IN MILLIMETER

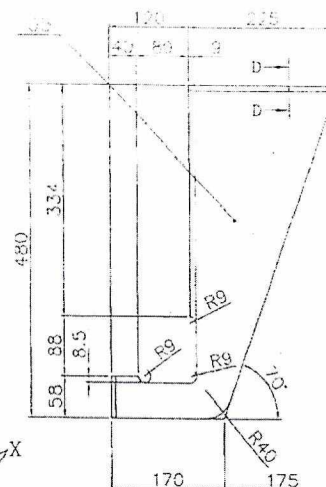
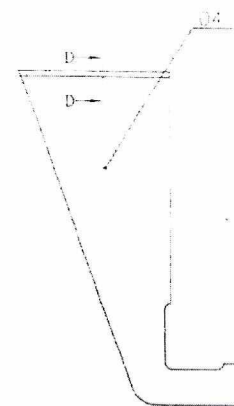
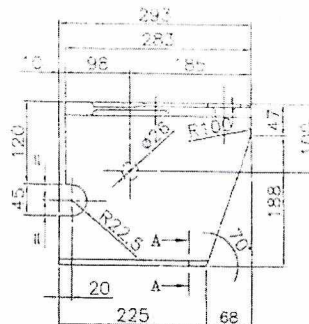
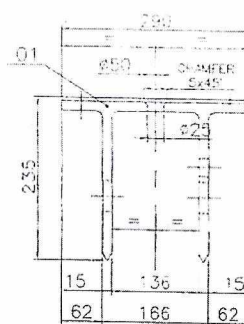
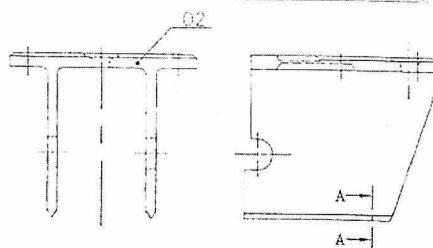
HEARST LITHOGRAPHICALS LIMITED,
AS TO THE INTEREST OF THE COMPANY

— 10000

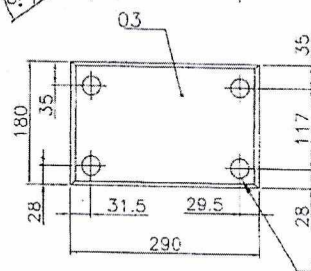
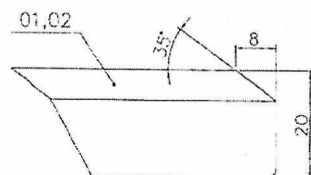
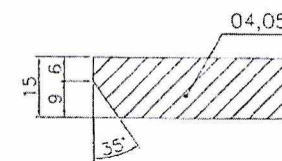
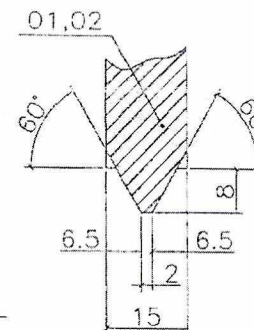
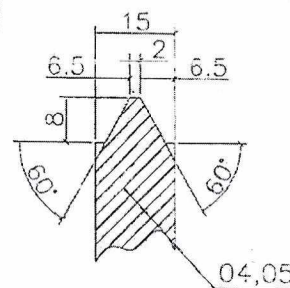
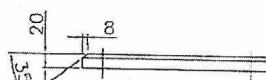
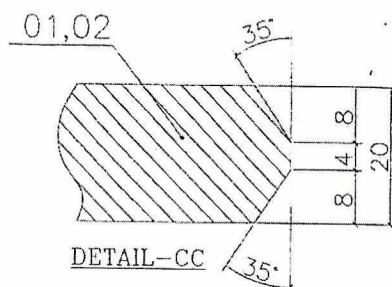
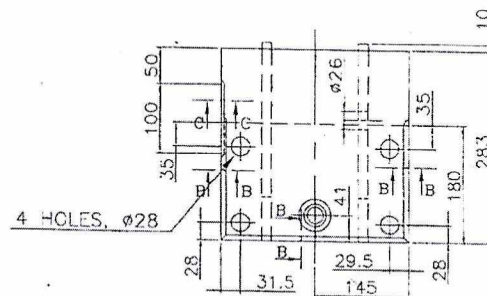
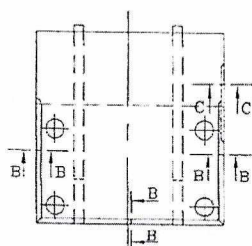
ENT

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ALL THE SAME DIMENSIONS AS ITEM NO. - 1



ALL THE SAME DIMENSIONS AS ITEM NO.-5



DETAIL-DD

DETAIL-AA

DETAIL-X

DETAIL-BB

NOTE:-- ALL DIMENSIONS ARE IN MM.

REMARKS	ITEM NO.	DESCRIPTION	DRAWING NO.	T.NO.	MATL CODE	WT.
				VAR.	MATL SPON	QTY.

CUSTOMER		PROJECT/PRODUCT			
 BHARAT HEAVY ELECTRICALS LIMITED RUDRAPUR		TRANSFORMER TANK			
		NAME	QTY	DATE	NO. OF VAL
		ORD.	SK SINGH	--	
		CRD.	SK SINGH	--	
		APPD.	A. NARAYAN	--	
DEPTH BDE	UNIT/DWG. CR. C/M/F		SCALE N.T.S.	WEIGHT-KG	REF TO ASSY.DWG. HSTN052365
TITLE				ITEM NO	NO OF ITEM
TANK S.U.T				CHARGING NO.	REV
				337618TT006	00
				SHEET NO. - 02	INCH SHEETS - 02
				SIZE -	

ITEM-2 of PI

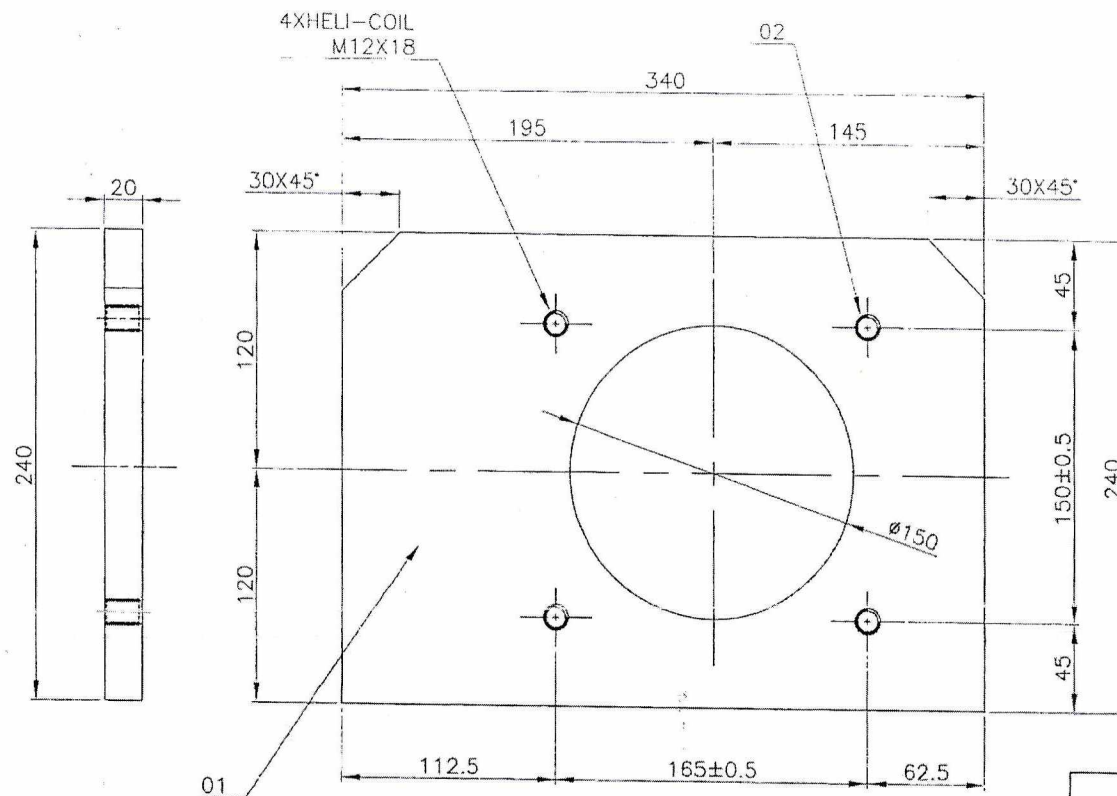
010LL81948E
DRAWING NO.

337618TT010P0001

FIRST ANGLE PROJECTION

ALL DIMENSIONS IN MILLIMETER

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NOTE:-

1. ALL DIMENSIONS ARE IN MM.

TOTAL WEIGHT (P1) = 3.48				
02	HELI-COIL M12X1.5D	337618TT010P0002	04	0.08
01	MOUNTING 340X240X20	337618TT010P0001	01	3.4
POS.	PARTS NAME	DRAWING NO.	QTY.	WT.(KG.)

REMARKS	ITEM NO.	DESCRIPTION	DRAWING NO.	IT. NO.	MATL. CODE	WT. (KG)
				VAR	MATL. SPECN.	QTY.

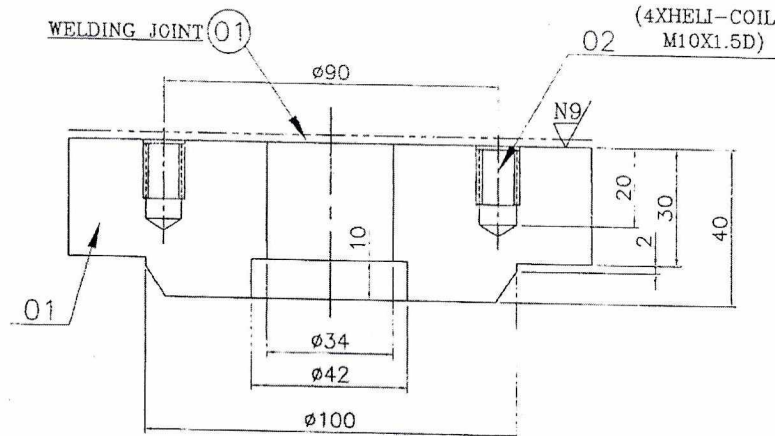
CUSTOMER		PROJECT/PRODUCT			
BHARAT HEAVY ELECTRICALS LIMITED RUDRAPUR		TRANSFORMER TANK			
DRN.	SK SINGH	SIGN.	DATE	NO. OF	
CAD.	SK SINGH			VAR.	
APPR.	A. NARAYAN				
REF. TO ASSY. ORG.		HSTN310773		IT. NO.	
DRAWING NO.		337618TT010		REV.	
SHEET NO.- 01		NO. OF SHEETS- 01		SIZE- A3	

REV.	DATE	ALTERED	CHECKED	DEPT.	UNIT/DIV. OR	SCALE	WEIGHT-KG
				BDE	C/M/F	N.T.S.	
TITLE MOUNTING (340X240X20)							

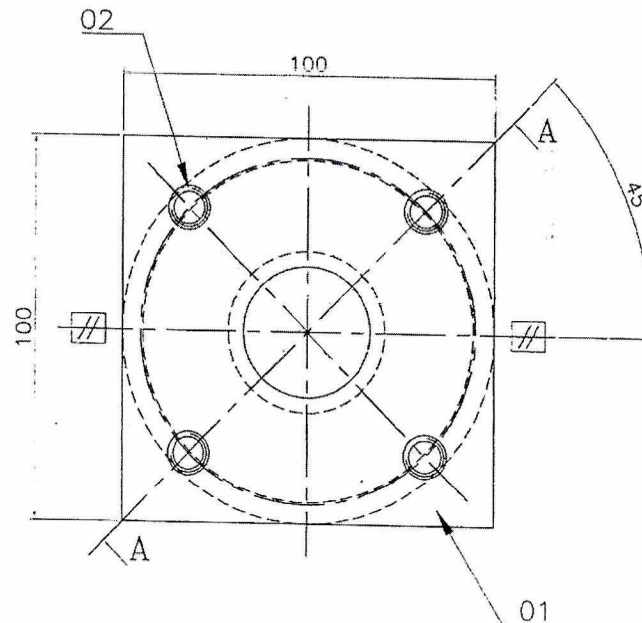
337618TT014

337618TT014R0001

ITEM-3 of PI



DETAIL-AA



SCALE-2:1

NOTE:- ALL DIMENSIONS ARE IN MM.

TOTAL WEIGHT (R1) =				0.54
02	HELI-COIL M10X1.5D	337618TT014P0002	0.04	
01	FLANGE 100X100X40	337618TT014P0001	0.5	
NOS.	NAME	DRAWING NO.	WT.(KG.)	

REMARKS	ITEM NO.	DESCRIPTION	DRAWING NO.	IT.NO.	MATL.CODE	WT.
				VAR.	MATL.SPCN	QTY.

CUSTOMER		PROJECT/PRODUCT	
BHARAT HEAVY ELECTRICALS LIMITED RUDRAPUR		TRANSFORMER TANK	
DRN.	SK SINGH	SIGN.	DATE
CHKD.	SK SINGH		
APRD.	A NARAYAN		
REF TO ASSY DRO.	HSTN422365	IT.NO.	NO OF ITEM
DRAWING NO.	337618TT014	REV.	
SHEET NO- 01	NO OF SHEETS- 01	SIZE- A3	

REV.	DATE	ALTERD
		CHECKED
DEPT.	UNTOLEW.DR.	SCALE
BDE	C/M/F	N.T.S.
TITLE		WEIGHT-KG

FLANGE

FIRST ANGLE PROJECTION

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337618TT017R0001
DRAWING NO.

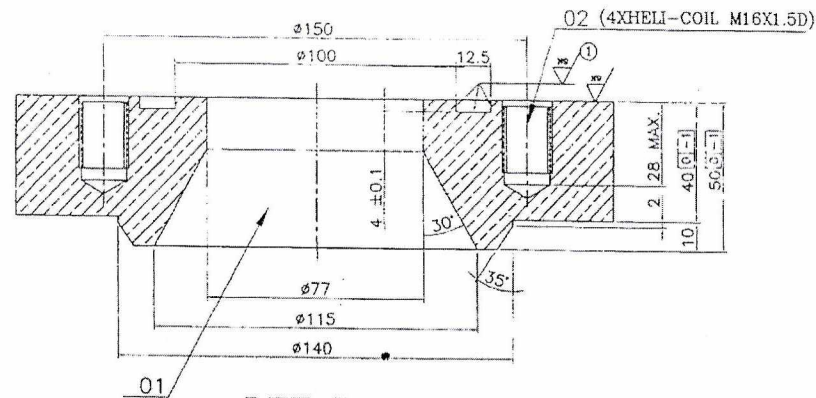
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ITEM-4 OF PI

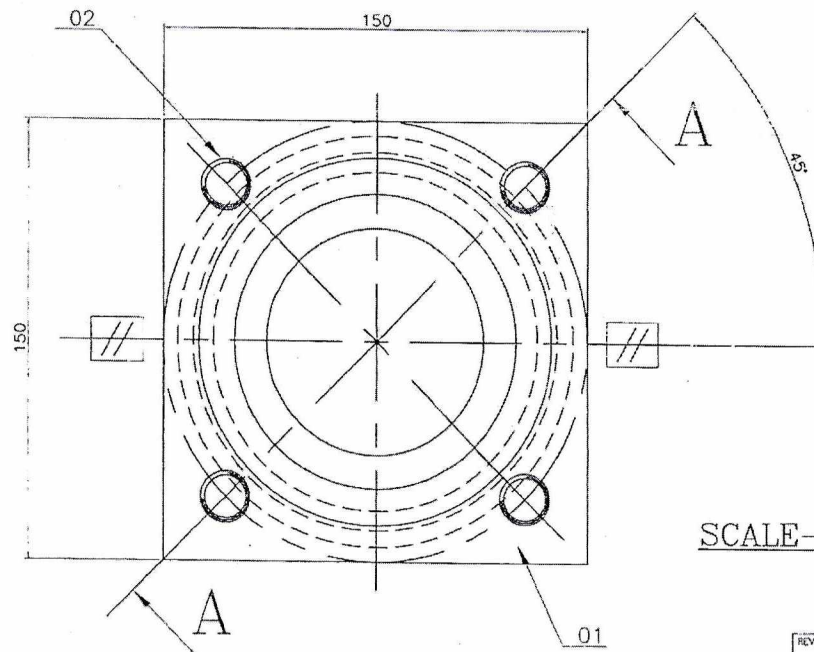
FIRST ANGLE PROJECTION

ALL DIMENSIONS IN MILLIMETER

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DETAIL-AA



SCALE-2:1

NOTE:- ALL DIMENSIONS ARE IN MM.

		TOTAL WEIGHT (R1) =		1.94
02	HELI-COIL M16X1.5D	337618TT017P0002	0.04	
01	FLANGE 150X150X50	337618TT017P0001	1.90	
NOS.	NAME	DRAWING NO.	WT.(KG.)	

REMARKS	ITEM NO.	DESCRIPTION	DRAWING NO.	IT.NO.	MATL.CODE	WT.	QTY.
				VAR.	MATL.SPCN.		

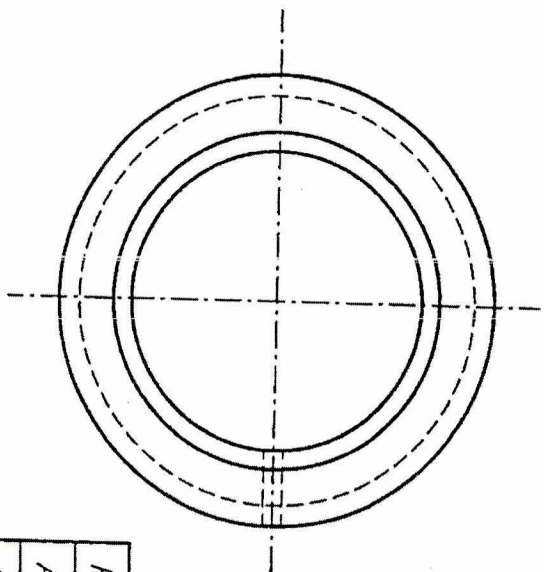
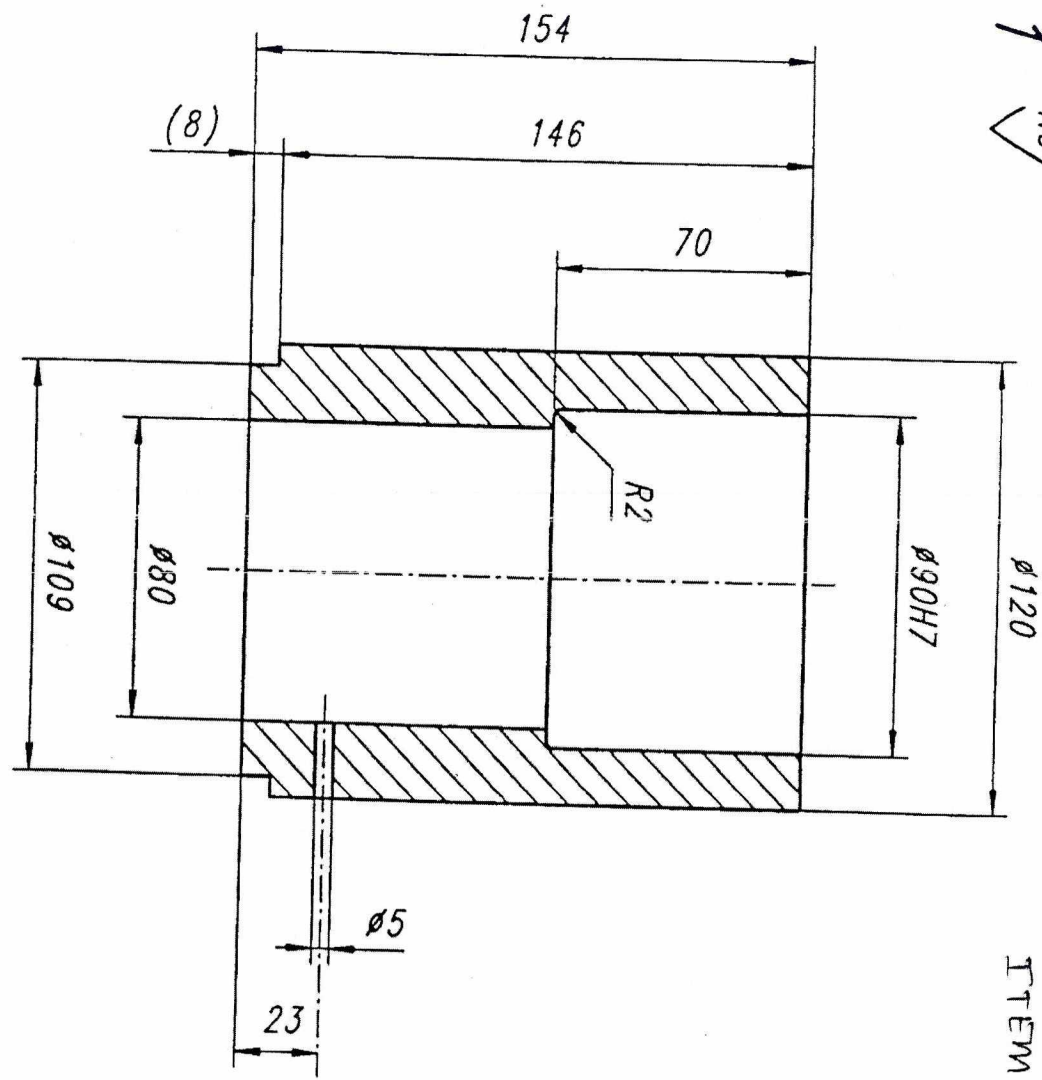
CUSTOMER		PROJECT/PRODUCT	
BHARAT HEAVY ELECTRICALS LIMITED RUDRAPUR		TRANSFORMER TANK	
DRN.	SK SINGH	SGN.	DATE
OKD.	SK SINGH		
APPD.	A. NARAYAN		
REF. TO ASSY. ORG.	HSTN421781	IT. NO.	NO. OF
DRAWING NO.	337618TT017	REV.	
FLANGE		00	
SHEET NO.- 51	NO. OF SHEETS- 01	SIZE- A3	



Normes générales pour usinage avec et sans enlèvement de copeaux
Linéaires et angulaires "moyen" ☒ "grossier" ☐ De forme et position
selon DIN 7168 T.1 ,ISO 2768
Symboles de rugosité selon
DIN ISO 1302

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1



Pos. 1 weight * 2,4 kg
Allega N° 2555-05
Anticorodal-112

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Contrôle :		Service responsable : TTT-C									
Bon pr. ex. :		Service acquéreur :									
Modification :											
ABB		ABB Sécheron SA		Cde. 16882		TUBE DE CENTRAGE CENTERING TUBE		Nb. files : 8		Langue :	
						HSTN 423892		File N° : 1			

0 50 100

337618TT022R0001
ON DIMENSIONS

337618TT022R0001

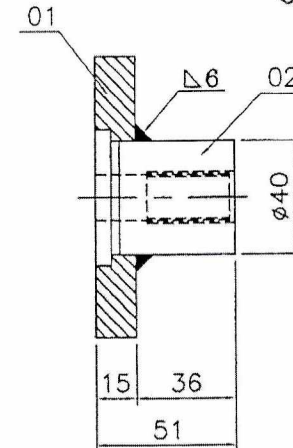
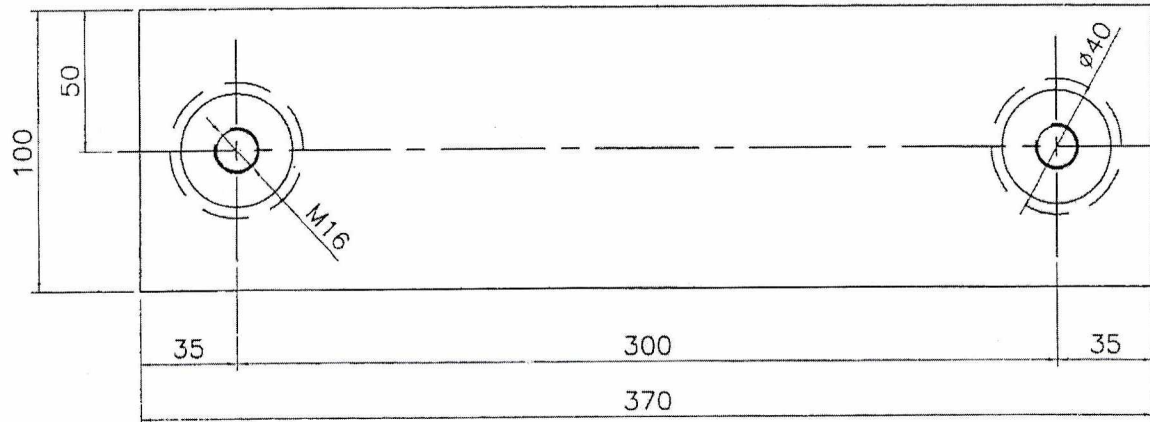
ITEM-6 OF PI

Page 1/2

FIRST ANGLE PROJECTION

ALL DIMENSIONS IN MILLIMETER

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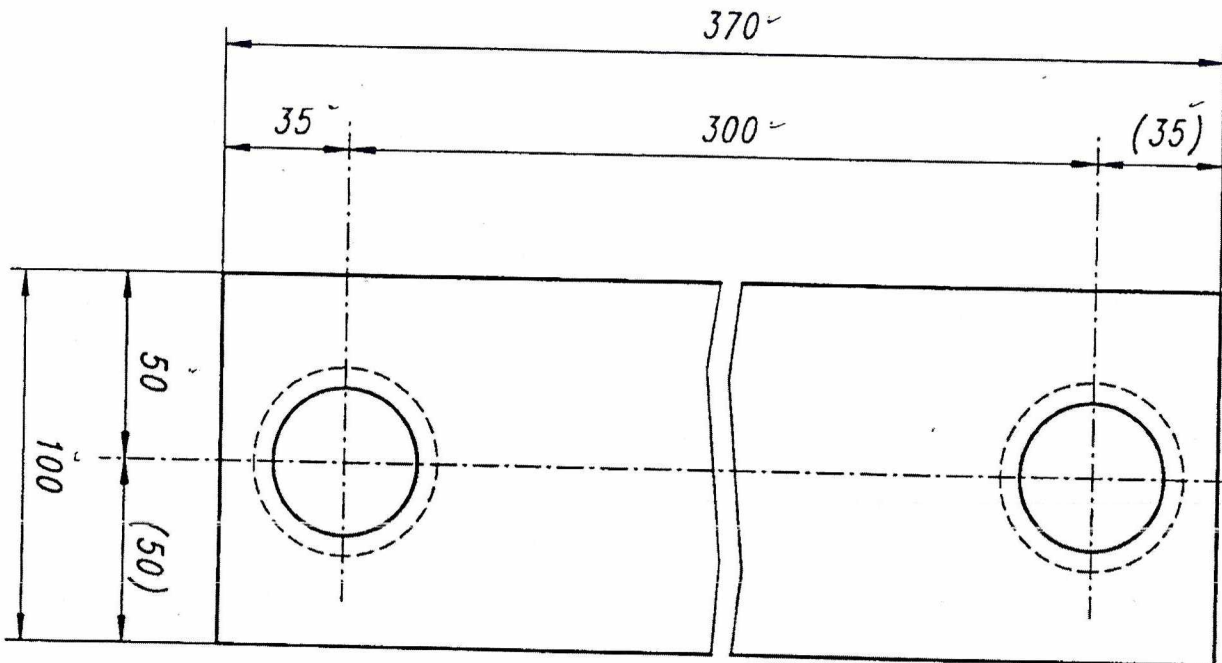
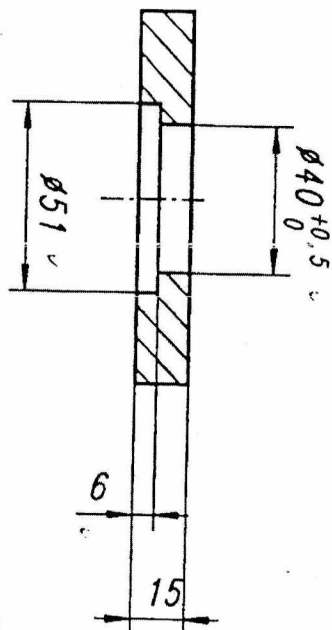
TOTAL WEIGHT (R1) =			1.72
02	BOSS M16	HSTN422540R0001	0.42
01	PLATE 370 LONG	HSTN423890P0001	1.3
POS.	NAME	DRAWING NO.	WT.(KG.)

NOTE:-

1. ROUND ALL THE SHARP EDGES 0.2 TO 0.5X45°.
2. WEIGHT OF DRG. NO. HSTN423891R0001 = 1.72 KG.
3. ALL DIMENSIONS ARE IN MM.

REMARKS	ITEM NO.	DESCRIPTION	DRAWING NO.	IT.NO. VAR.	MATL.CODE	WT. QTY.
---------	----------	-------------	-------------	-------------	-----------	----------

CUSTOMER		PROJECT/PRODUCT			
BHARAT HEAVY ELECTRICALS LIMITED RUDRAPUR		TRANSFORMER TANK			
DRN.	SK SINGH	DATE		NO. OF	
CHKD.	SK SINGH			VAR.	
APPR.	A. NARAYAN				
REF. TO ASSY. DRG.	HSTN423891	IT.NO.		NO. OF	
TITLE	REACTOR SUPPORT BEARING	DRAWING NO.	337618TT022	REV.	00
SHEET NO.-	01	NO. OF SHEETS-	01	SIZE-	A3



Pour TTT-C	
Pos. 1	
Allega N° 4509-10	
Extrudat 043	
Masse: 1,3 kg	

Etabli : 94-04-22 BLASER	Issu de :	Nomencl. sépn. de m. N° ☒ de N° dff. ☐	Echelle : 1:2	Gen. doc.:	Format : 4
Contrôle : <i>Blaser</i>	Service responsable : TTT-C				
Bon pr. ex. : <i>Blaser</i>	Service acquéreur :				
Modification :					

PLAQUE
 PLATE

Cde. 16882

ABB ABB Sécheron SA

HSTN 423890

Nb. files: 1
 Langue : 8
 Fille N°: 1

ITEM-6 OF-PI

Page 2/2

1

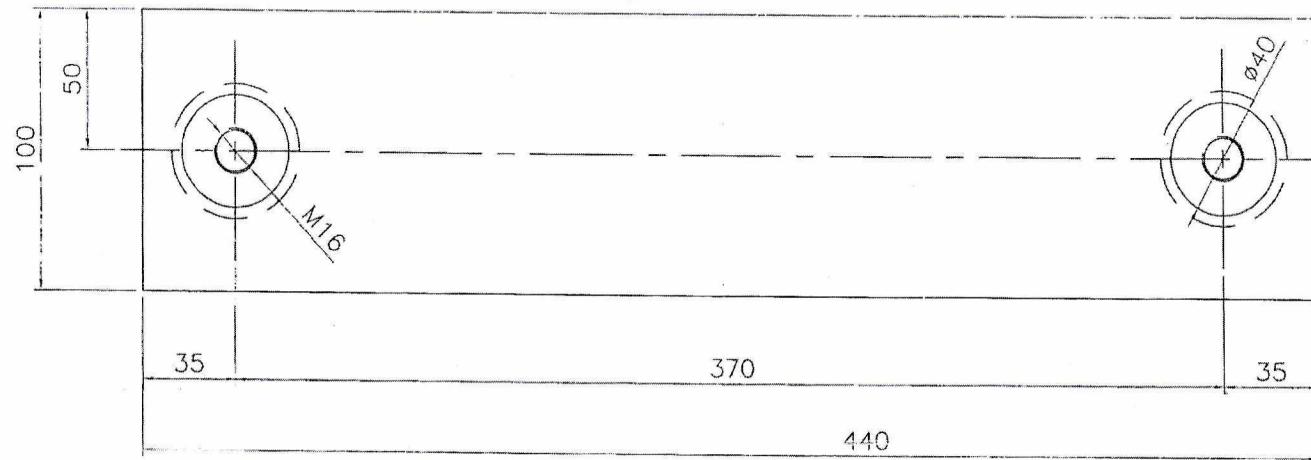
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337618TT023R0001

FIRST ANGLE PROJECTION

ALL DIMENSIONS IN MILLIMETER

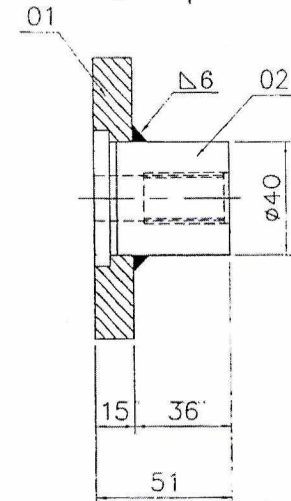
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337618TT023R0001

ITEM-7 OF PI

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TOTAL WEIGHT (R1) = 2.02

02	BOSS M16	HSTN422540R0001	0.42
01	PLATE 440 LONG	HSTN423889P0001	1.6
POS.	NAME	DRAWING NO.	WT.(KG.)

NOTE:-

1. ROUND ALL THE SHARP EDGES 0.2 TO 0.5X45°.
2. WEIGHT OF DRG. NO. 337618TT023R0001 = 2.02 KG.
3. ALL DIMENSIONS ARE IN MM.

REMARKS	ITEM NO.	DESCRIPTION	DRAWING NO.	IT. NO.	MATL CODE	WT. (KG.)
				VAR.	MATL SPECN.	QTY.

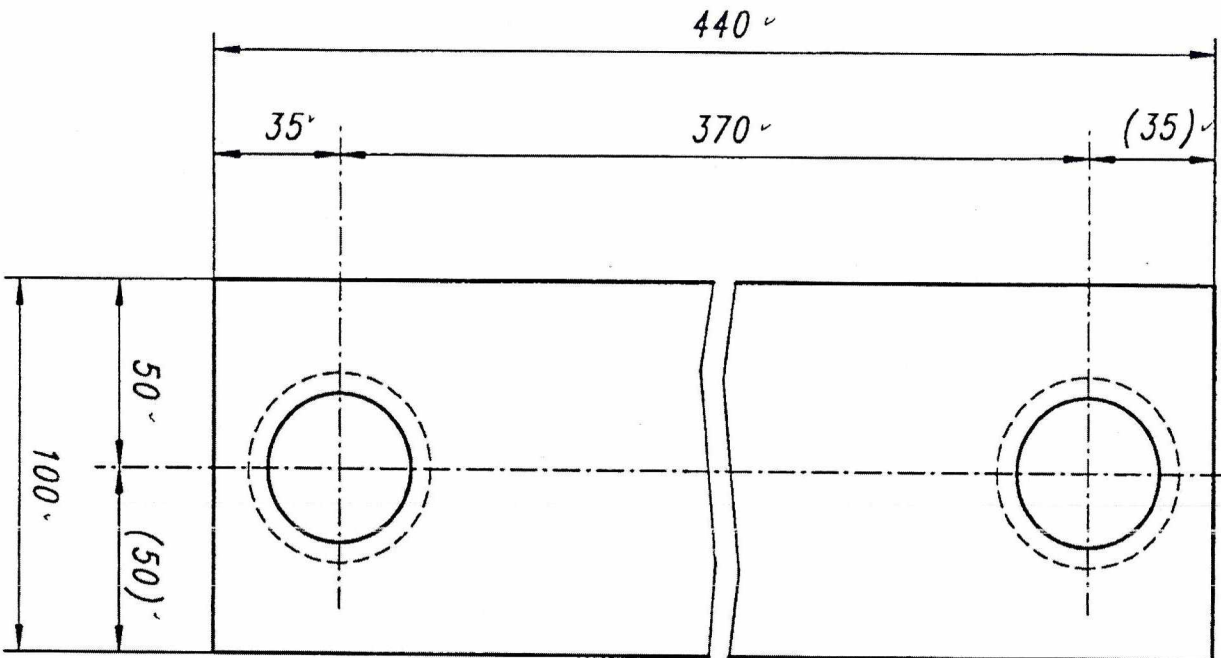
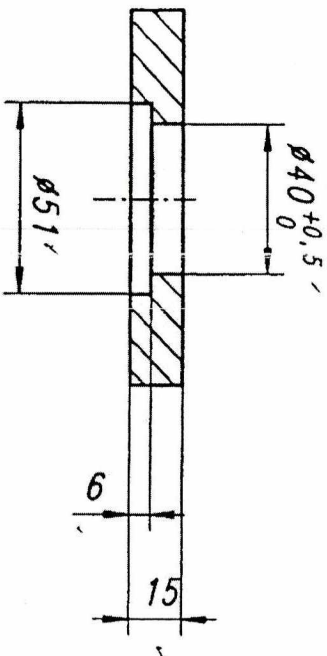
CUSTOMER		PROJECT/PRODUCT	
BHARAT HEAVY ELECTRICALS LIMITED RUDRAPUR		TRANSFORMER TANK	
DRN.	SK SINGH	SKN.	DATE
CHKD.	SK SINGH	REV.	NO. OF VAR.
APPD.	A. NARAYAN	REV.	NO. OF REV.
REF. TO ASSY. DRG.	HSTN423888	IT. NO.	NO. OF REV.
DRAWING NO.	337618TT023	REV.	NO. OF REV.
SHEET NO. - 01	NO. OF SHEETS - 01	SIZE - A3	

REACTOR SUPPORT

Précisions générales pour usinage avec et sans enlèvement de copeaux
 Linéaires et angulaires "moyen" ☒ "grossier" ☐ De forme et position
 selon DIN 7168 T.1, ISO 2768 DIN 7168 T.2 :...

Symboles de rugosité selon
 DIN ISO 1302

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Pour TTT-C		
Pos. 1		
Allega N° 4509-10		
Extrudat 043		
Masse: 1,6 kg		

ITEM-7 of PR
 Page 2/2

Etabli : 94-04-22 BLASER	Issu de :	Nomend. sép. de m. N° ☒ de N° alt. ☐	Echelle : 1:2	Gen. doc.:	Format : 4
Contrôle : <i>[Signature]</i>	Service responsable : TTT-C				
Bon pr. ex. : <i>[Signature]</i>	Service acquéreur :				
Modification :		Cde. 16882			
ABB ABB Sécheron SA		PLAQUE PLATE		HSTN 423889	
		Nb. files: 1		Langue : 8	
		Fille N°: 1			

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50

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(41)

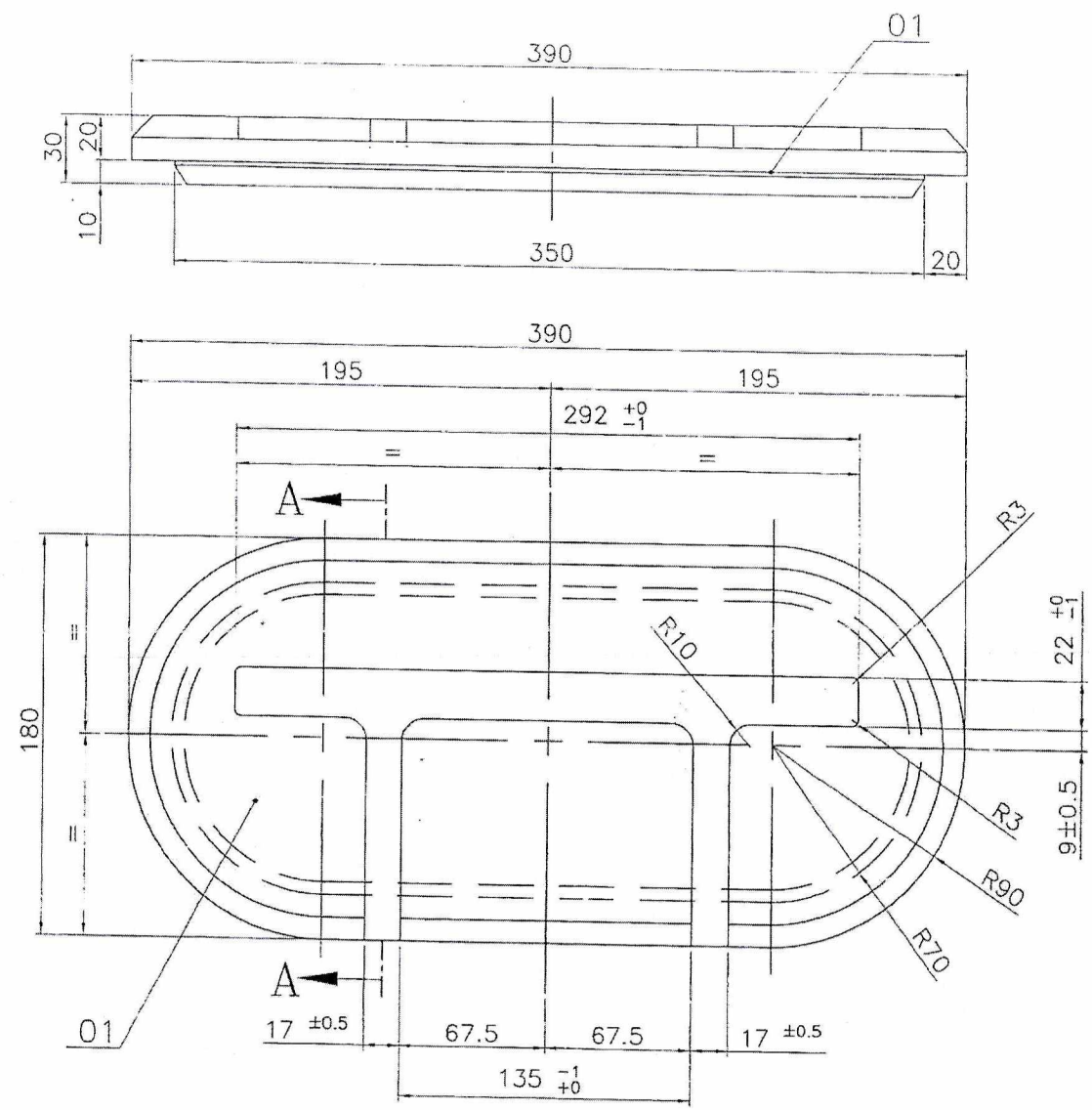
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437618TT002
DRAWING NO.

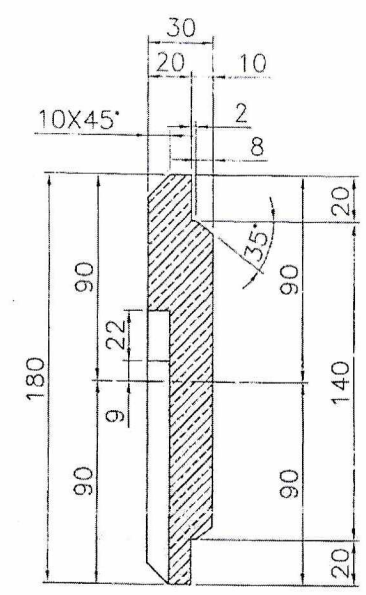
FIRST ANGLE PROJECTION

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437618TT002P0001
ITEM-8 of PI



DETAIL-AA

TOTAL WEIGHT (R1) = 4.7			
01	FLANGE (CONSOLE TANK)	437618TT002R0001	02 4.7
POS.	PARTS NAME	DRAWING NO.	QTY. WT.(KG.)
REMARKS	ITEM NO.	DESCRIPTION	DRAWING NO. IT.NO. MATL.CODE WT. (B) VAR. MATL.SFCH. QTY. (C)
CUSTOMER		PROJECT/PRODUCT	
BHARAT HEAVY ELECTRICALS LIMITED RUDRAPUR		TRANSFORMER TANK	
DESIGNER	SK SINGH	SIGN	DATE
CHECKED	SK SINGH		
APPROVED	A. NARAYAN		
REF TO ASSY.DWG.	HSTN310452	IT.NO.	NO. OF REV.
TITLE		DRAWING NO.	
FLANGE (TANK SUPPORT)		437618TT002 00	
SHEET NO- 01		NO. OF SHEETS- 01	
SIZE- A3			

NOTE:- ALL DIMENSIONS ARE IN MM.

FIRST ANGLE PROJECTION

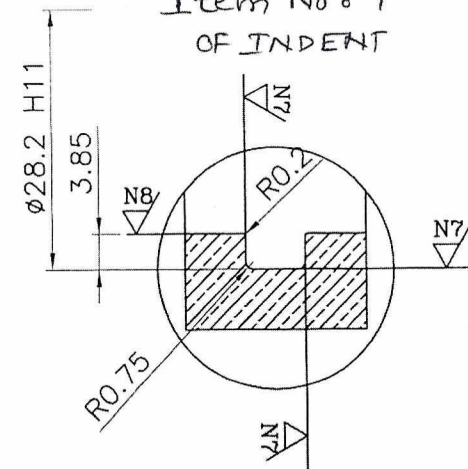
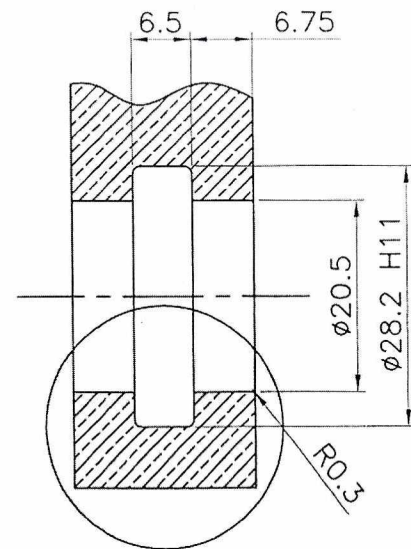
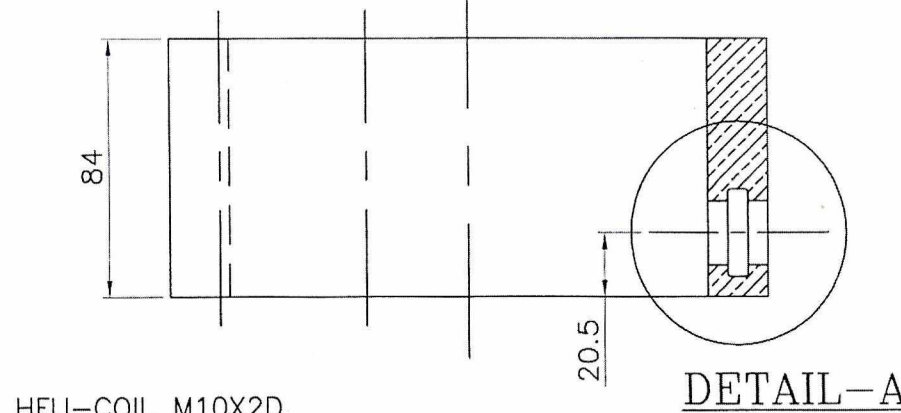
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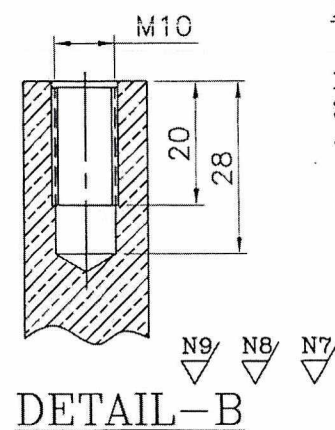
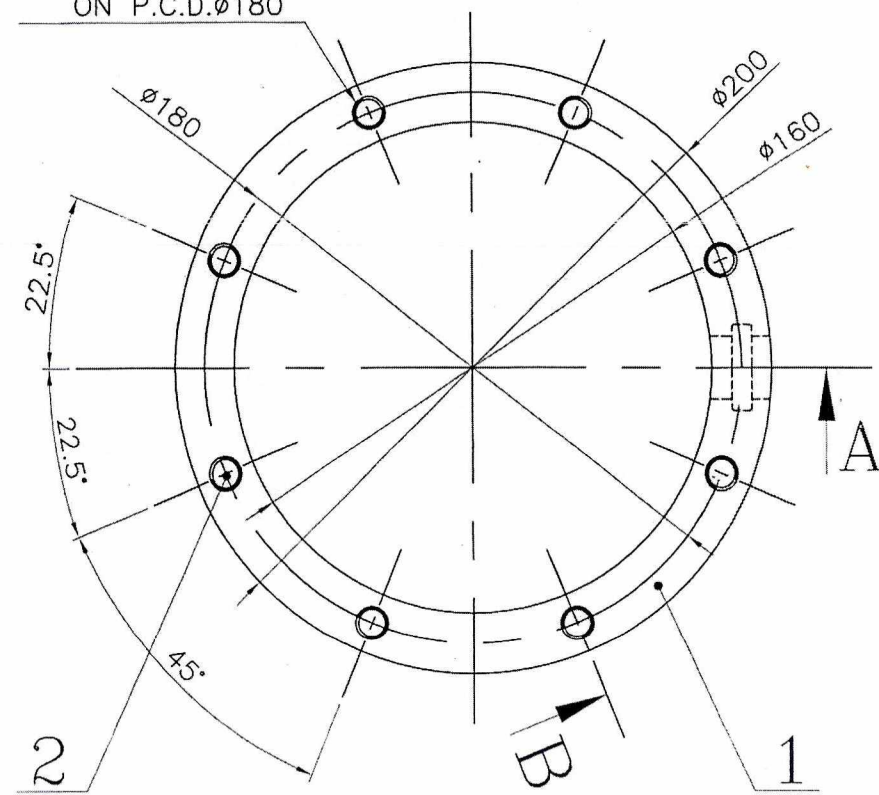
DRAWING NO. HSTN423967

HSTN423967R0001

Item No : 9
OF INDENT



HELI-COIL M10X2D
ON P.C.D.Ø180



NOTE:-

1. ROUND ALL THE SHARP EDGES 0.2 TO 0.5X45°.
3. ALL DIMENSIONS ARE IN MM.
4. WEIGHT OF THE DRG. NO.-HSTN423967R0001 = 2.6 KG.
5. SURFACE WITHOUT ANY SCRATCHES.

TOTAL WEIGHT (HSTN423967R0001) =				2.6
01	PARTS FOR PIPING	HSTN423967R0001	—	2.6
NOS.	PARTS NAME	DRAWING NO.	QTY.	WT.(KG.)

00	REMARKS	ITEM NO.	DESCRIPTION	DRAWING NO.	IT.NO. VAR.	MATL.CODE	WT. (KG.)
CUSTOMER				PROJECT/PRODUCT			
BHARAT HEAVY ELECTRICALS LIMITED RUDRAPUR				TRANSFORMER COVER			
DEPTT. BDE				NAME NK SINGH			
UNTOLO.DIN.GR. C/M/F				SIGN. SK SINGH			
SCALE N.T.S.				DATE			
WEIGHT-KG				NO. OF VAR.			
TITLE				REF. TO ASSY.DRG.			
PARTS FOR PIPING				IT.NO.			
HSTN423967				NO. OF ITEM			
SHEET NO.- 01				REV.			
NO. OF SHEETS- 01				SIZE- A3			

92011819483

DRAWING NO.

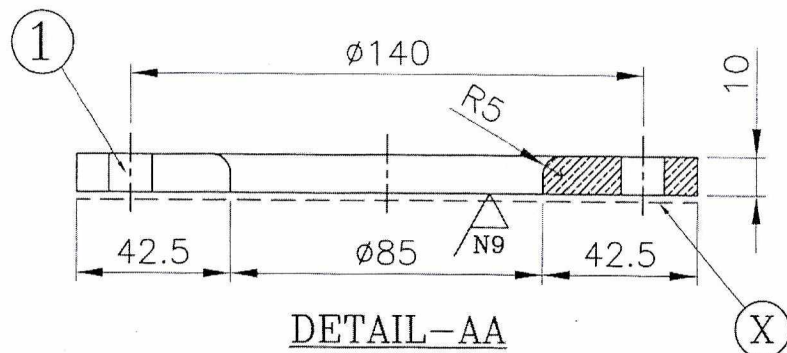
FIRST ANGLE PROJECTION

ALL DIMENSIONS IN MILLIMETER

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337618TT026P0001

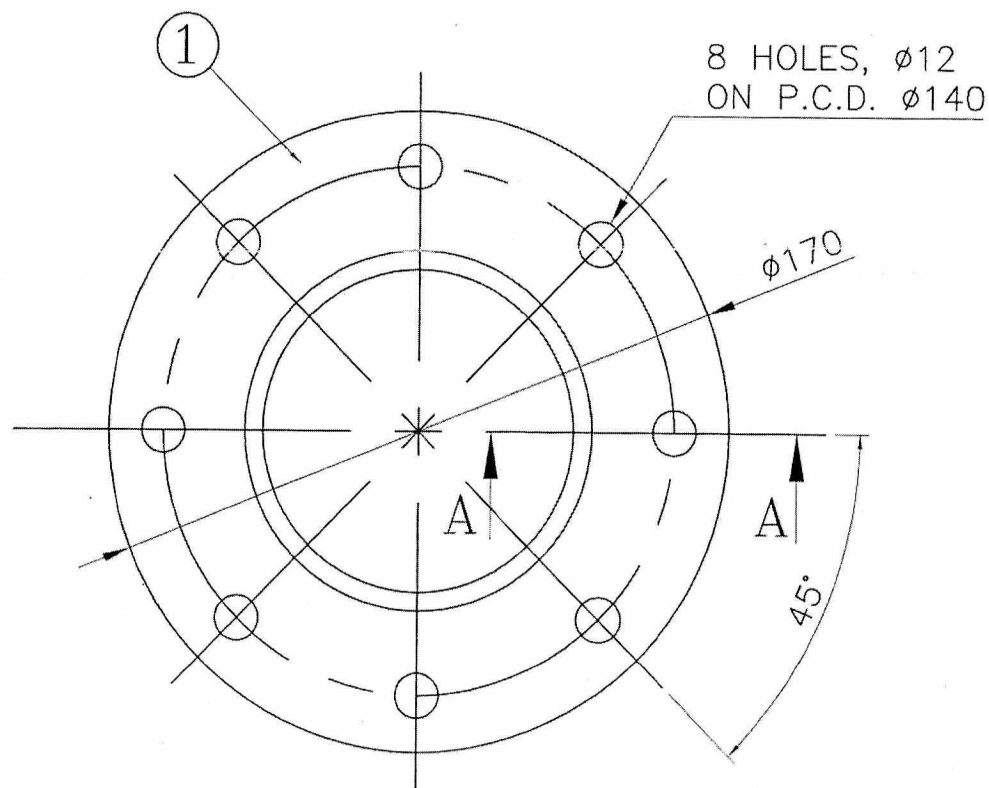
ITEM-10 of PI



DETAIL-AA

SURFACE FINISHING ∇ N9

(X) GASKET SEATING

8 HOLES, $\phi 12$
ON P.C.D. $\phi 140$

NOTE:-

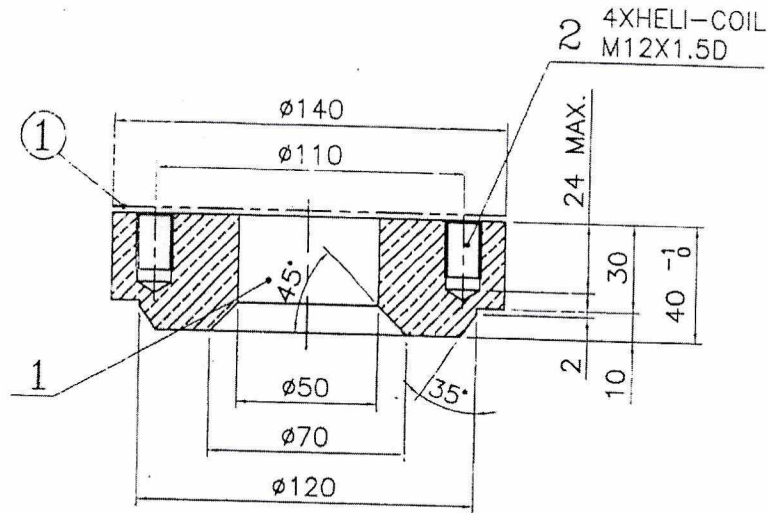
1. ROUND ALL THE SHARP EDGES 0.2 TO 0.5X45°.
2. CLEANING AND PAINTING ACCORDING TO PRESCRIPTION HSTN612012.
3. PAINT ALL SIDES WITH PRIMER + FINITION.
4. COLOUR- SEE PURCHASE ORDER.
3. WEIGHT OF DRG. NO. 337618TT026P0001 = 0.43 KG.
4. ALL DIMENSIONS ARE IN MM.

00	REMARKS	ITEM NO.	DESCRIPTION	DRAWING NO.	IT.NO. VAR.	MATL.CODE MATL.SPCN.	WT. QTY.
CUSTOMER				PROJECT/PRODUCT			
BHARAT HEAVY ELECTRICALS LIMITED RUDRAPUR				TRANSFORMER COVER			
DEPTT. BDE				DRN.	SK SINGH	SIGN.	NO. OF VAR.
UNTOLD.DIN.GR. C/M/F				CKD.	SK SINGH		
TITLE				APPD.	A NARAYAN		
FLANGE 170X10 (RDAT 170/170X10)				REF.TO ASSY.DRG.	HSTN421072	IT.NO.	NO. OF ITEM
				DRAWING NO.	337618TT026	REV.	
				SHEET NO.- 01	NO OF SHEETS- 01	SIZE- A3	

REV.	DATE	ALTERD CHECKED

ITEM - 11 of PC

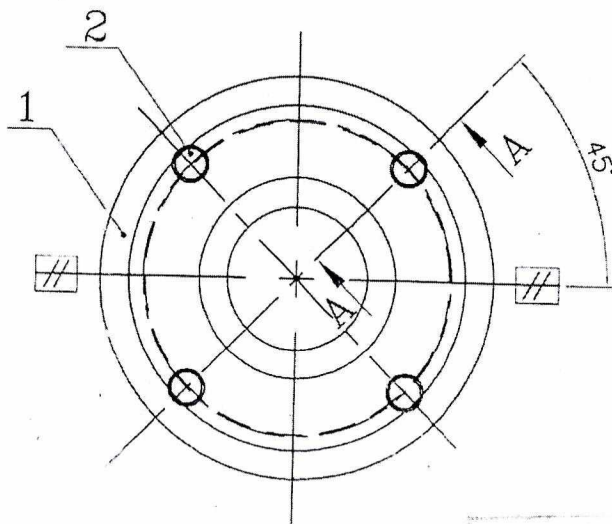
437618TT014R0001



① GASKET SEATING ON

NOTE:-

1. ROUND ALL THE SHARP EDGES 0.2 TO 0.5X45°.
3. ALL DIMENSIONS ARE IN MM.
4. WEIGHT OF THE DRG. NO.-437618TT014R0001 = 1.34 KG.
5. SURFACE WITHOUT ANY SCRATCHES.



TOTAL WEIGHT (437618TT014R0001) =				1.34
01	FLANGE	437618TT014R0001	01	1.34
NOS.	PARTS NAME	DRAWING NO.	QTY.	WT.(KG.)
00	REMARKS	ITEM NO.	DESCRIPTION	DRAWING NO. IT.NO. MATL CODE WT. (KG.)
CUSTOMER		PROJECT/PRODUCT		
BHARAT HEAVY ELECTRICALS LIMITED		TRANSFORMER COVER		
RUDRAPUR		NAME SIGN. DATE NO. OF		
C/M/F		CHKD. SK SINGH		
N.T.S.		APPO. A. NARAYAN		
SCALE		REF. TO ASSY. DRG.		
N.T.S.		HSTN421780		
WEIGHT-KG		DRAWING NO.		
N.T.S.		437618TT014		
TITLE		REV.		
FLANGE		00		
SHEET NO. - 01		NO. OF SHEETS - 01		SIZE - A3

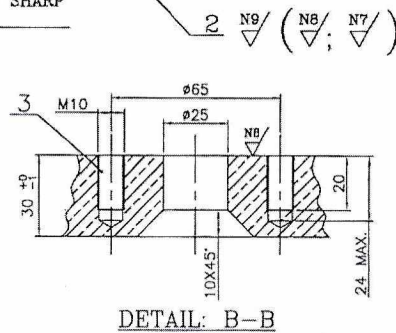
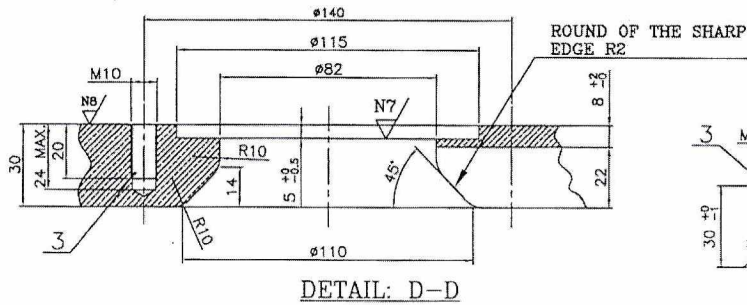
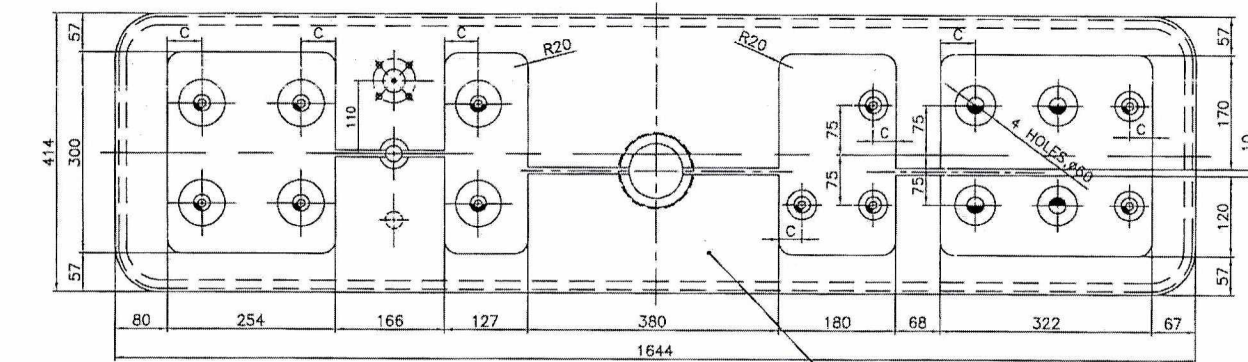
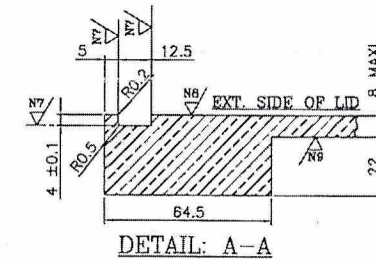
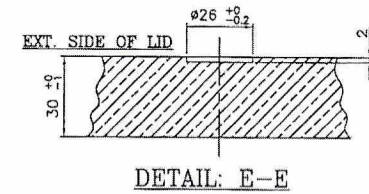
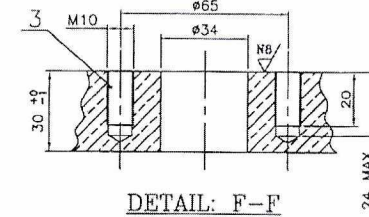
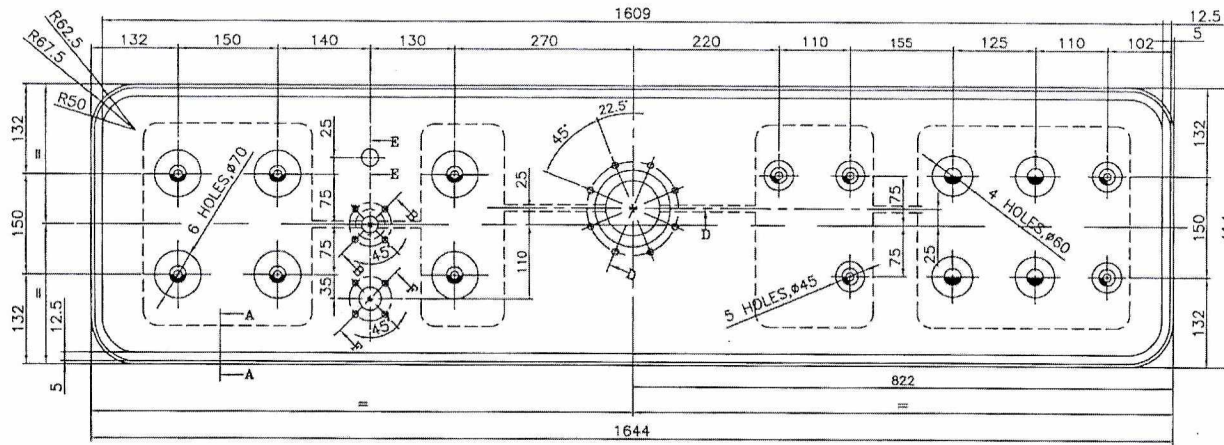
FIRST ANGLE PROJECTION

ALL DIMENSIONS IN MILLIMETER

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137618TT007R0002



[illegible][illegible]

EXT. FACE OF LID

8 MAX.

2

28

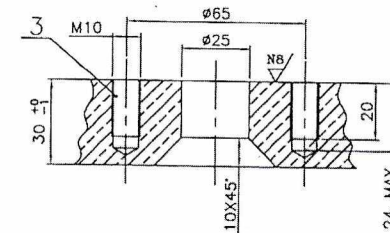
22

35°

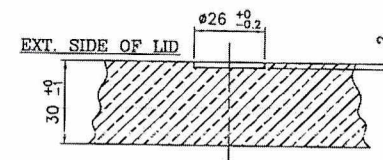
DETAIL: D-D

1

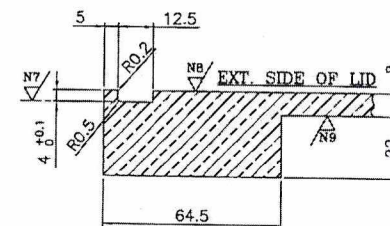
N9 / (N8 / N7 /)



DETAIL: B-B



DETAIL: E-E



DETAIL: A-A