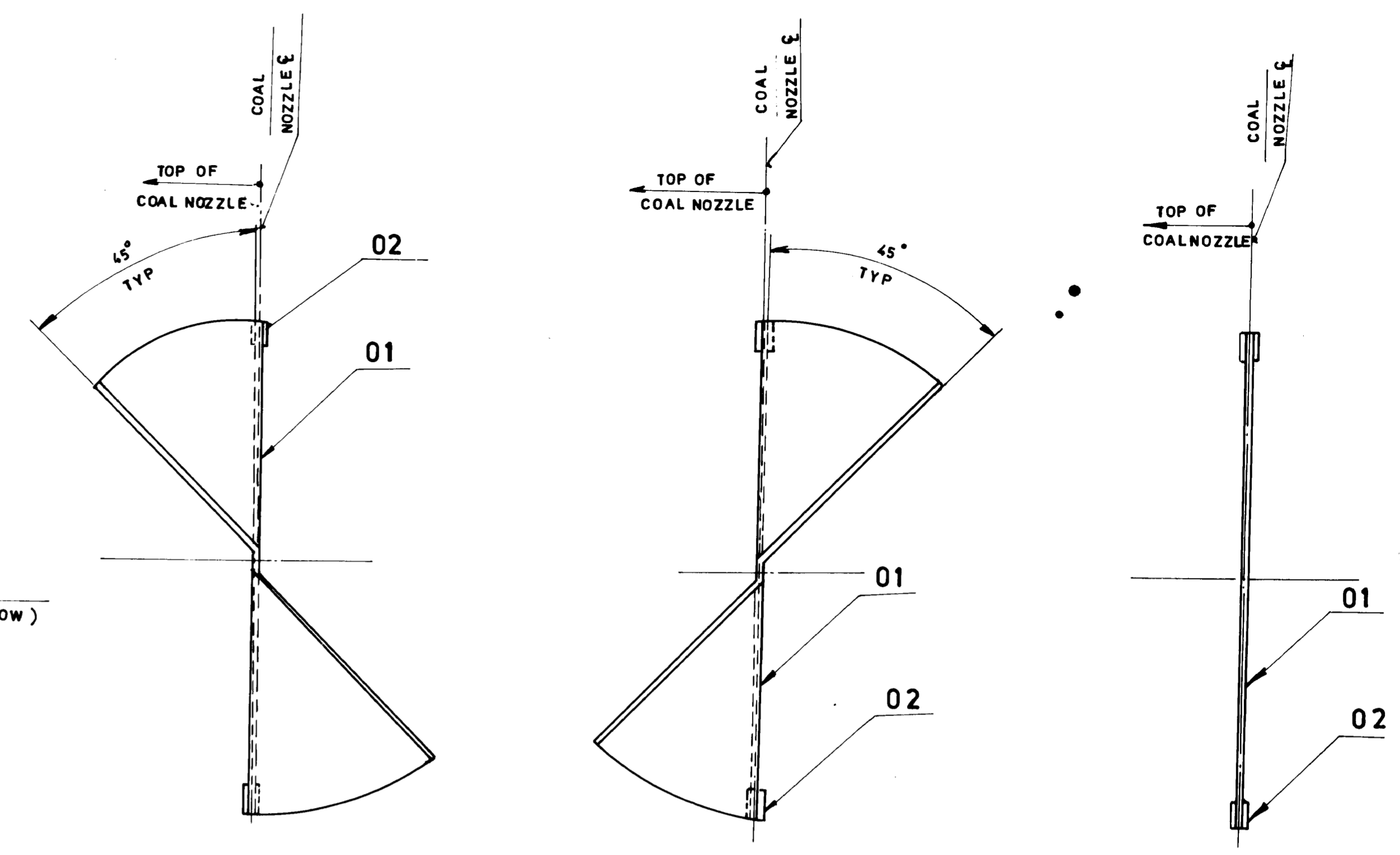
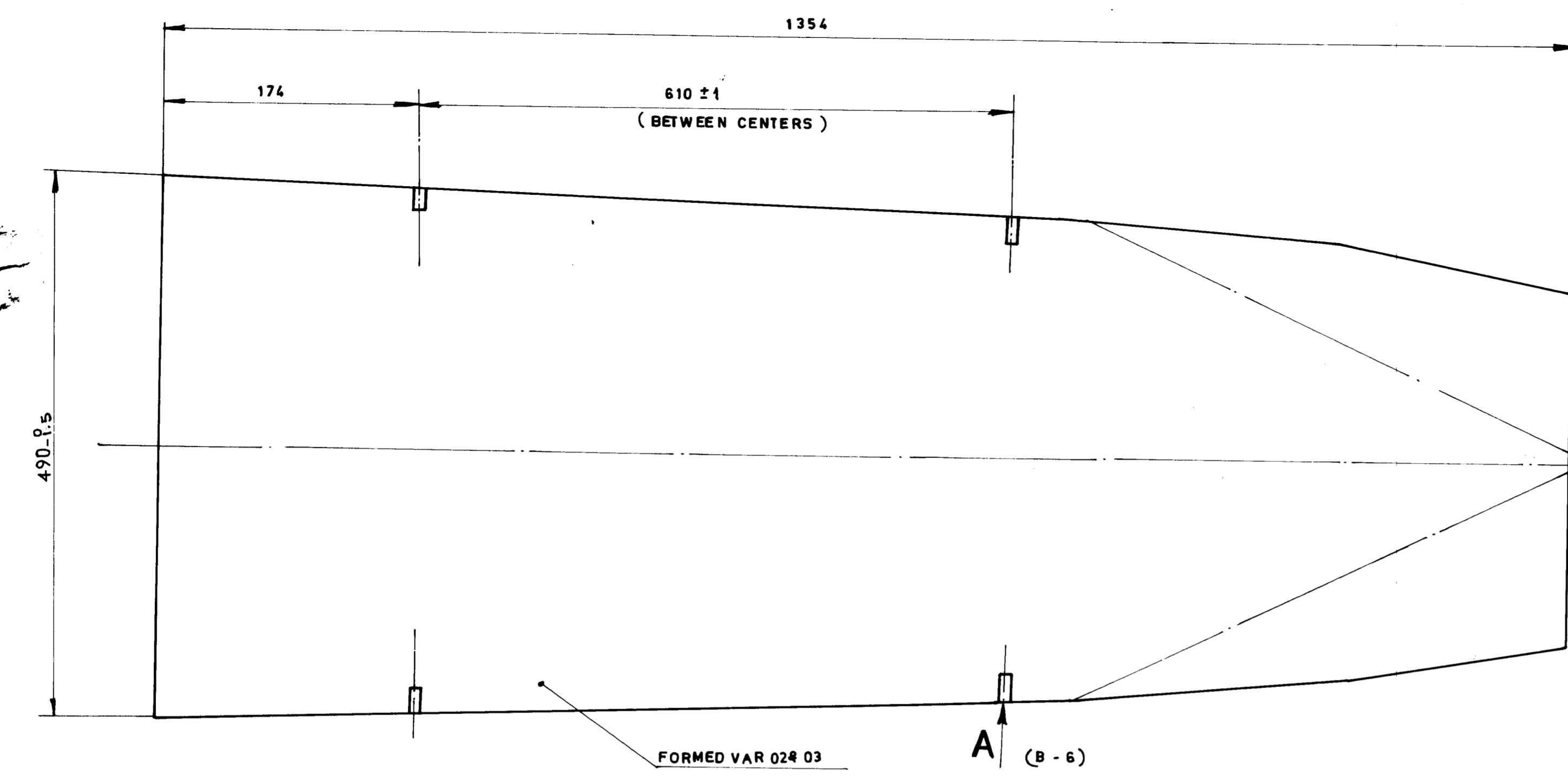
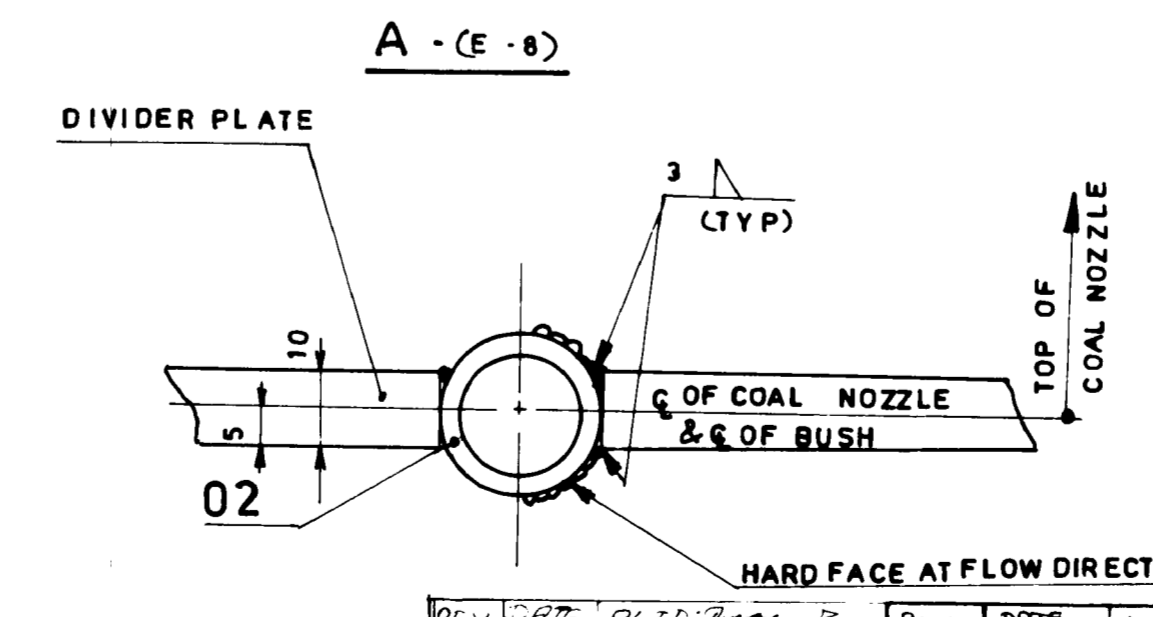
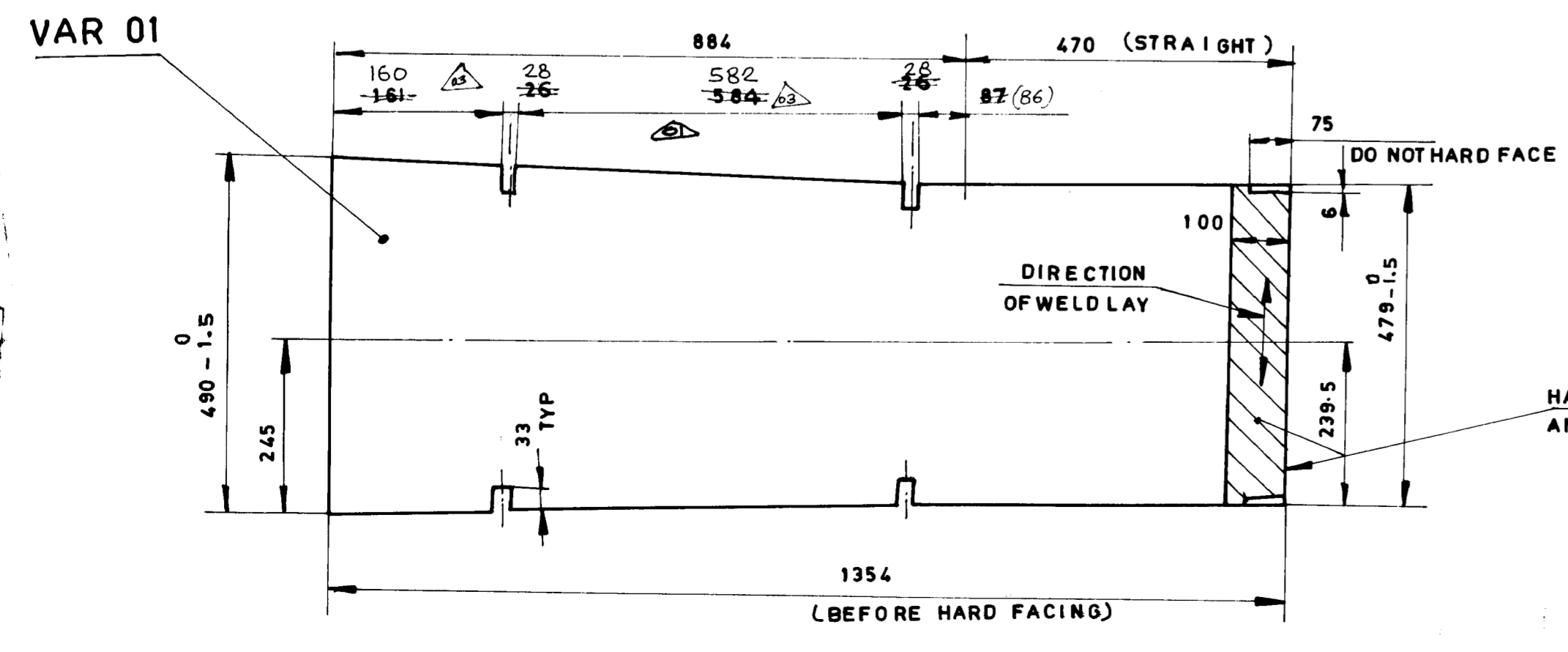
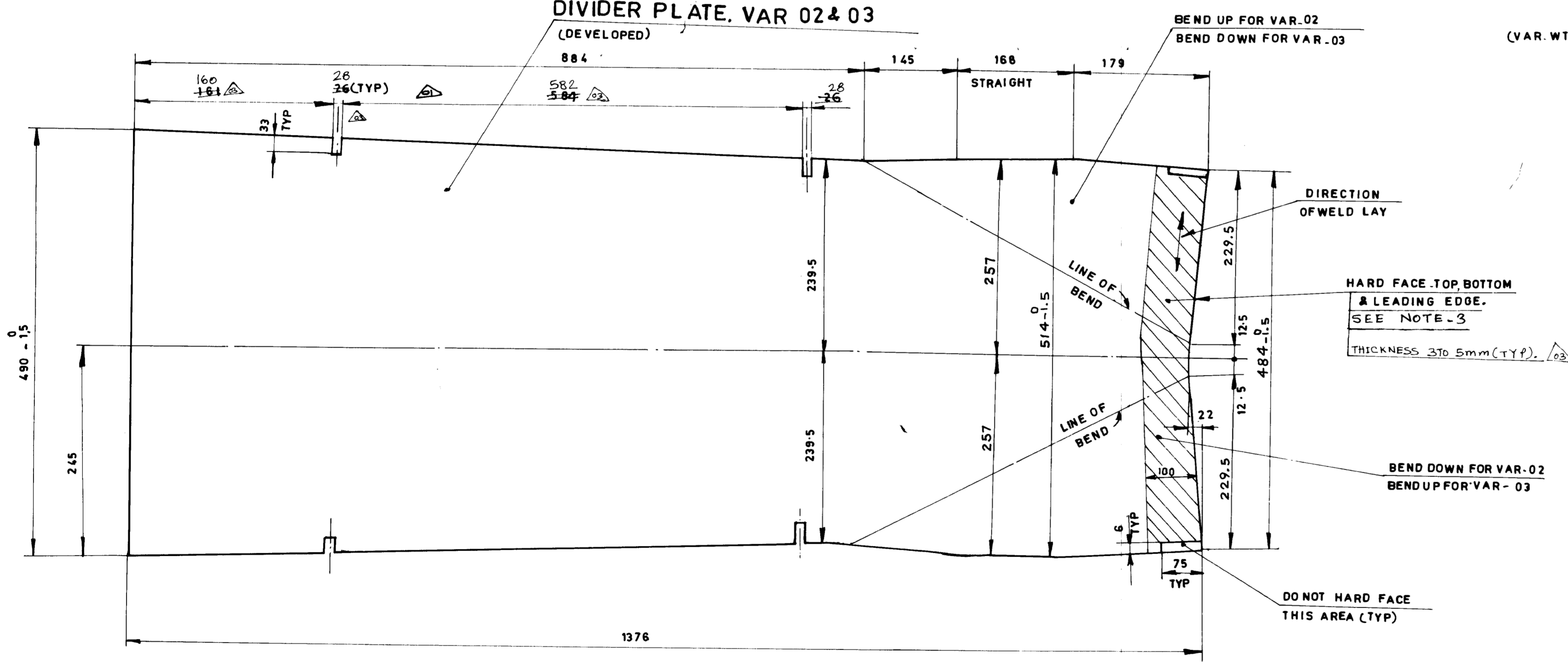


01700-022-57-1  
ON DIMENSIONS



**DIVIDER PLATE, VAR 02 & 03**  
(DEVELOPED)



- NOTE:-**
- FORMED PLATES LOOKING FROM COAL NOZZLE REAR SIDE.
  - FOR FITTING DETAILS REFER COAL COMPT ASSY DRG, REFER "DIVIDER PLATE ASSY. CHART" IN THAT DRG.
  - USE COBALARC IM FOR HARDFACING.

ITEM NO.	ITEM DESCRIPTION	QTY	UNIT	WT	MATL CODE	MATL SPEC	VAR NO.
03 02	TU.D 26.9x2.65;32	4		0.045	15-03B.034	IS 1239	
03 01	PL 10x514x1376	1		54.000	15-011-098	IS 2062 Fe410WB	
02 02	TU.D 26.9x2.65;32	4		0.045	15-03B.034	IS 1239	
02 01	PL, 10x514x1376	1		54.000	15-011-098	IS 2062 Fe410WB	
01 02	TU.D 26.9x2.65;32	4		0.045	15-03B.034	IS 1239	
01 01	PL, 10x490x1354	1		51.500	15-011-098	IS 2062 Fe410WB	

TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT: **734210**

**Bharat Heavy Electricals Ltd.,**  
BOILER PLANT UNIT  
TIRUCHIRAPALLI-620 014

REV. DATE: 26-03-87  
REV. DATE: 03-02-90  
REV. DATE: 10-05-90  
REV. DATE: 10-05-90

SCALE: NTS

ITEM NO.: 04

DRAWING NO.: 1-45-220-00410



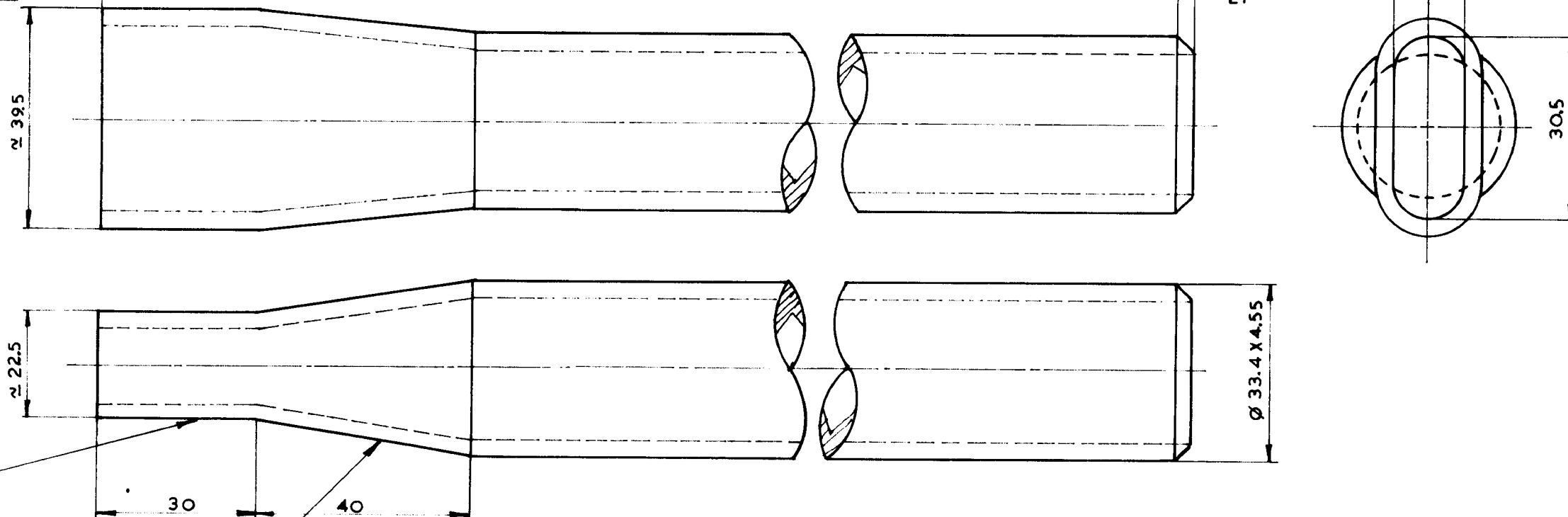
FIRST ANGLE PROJECTION (ALL DIMENSIONS ARE IN MILLIMETRES)

05-229/C

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76900-000-57-8

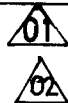
DRAWING NO.



FLATTEN THIS EDGE

SWAGE THIS PORTION

02	270	1.040	
01	118	0.540	
VARIANT NO.	L	WT.	REMARKS



REV.	DATE	ALTD:	REV.	DATE	ALTERED
02	03/08/89	C.S. Lehu	01	31-3-89	C.S. Lehu
		CHD: S. M. M.			CHECKED: S. M. M.
.. DIMNS. 118 & 270 WERE 138 & 290.		.. DIMNS 138 & 290 WERE 168 & 320			

VARIANT NO.	ITEM NO.	DESCRIPTION	STD.	DRAWING NO.	ITEM NO.	MATL. CODE	A/C	UNIT	UNIT WT.	CS
VAR. NO.						MATL. SPEC.		DI	QTY.	
02		TUBE D 33.4 X 4.55 ; 270				15 082 011 SA 106 GR B			1.040	
01		TUBE D 33.4 X 4.55 ; 118				15 082 011 SA 106 GR. B			0.540	

TYPE OF PRODUCT  
OR NAME OF  
CUSTOMER/PROJECT



**Bharat Heavy Electricals Ltd.,**  
BOILER PLANT UNIT  
TIRUCHIRAPALLI - 620 014

DRN.	NAME	SIGN.	DATE	NO. OF VAR.
	WENGADESAN	V. V. V.	19 08 87	
CHD.				
	MK. JAYAKUMAR	S. M. M.	14 12 88	
APPD.				
	S. NAKKEERAN			

DEPT.	GRADE OF UNTOL DIM.	SCALE	WEIGHT (kg.)	REF. TO ASSY./OLD DRG.	ITEM NO.
CC	Ø 1 M 1 F	1:1	-		
TITLE	CARD CODE	DRAWING NO.	REV.		
TUBE - REACH ROD	U 01	3-45-000-00594	02		

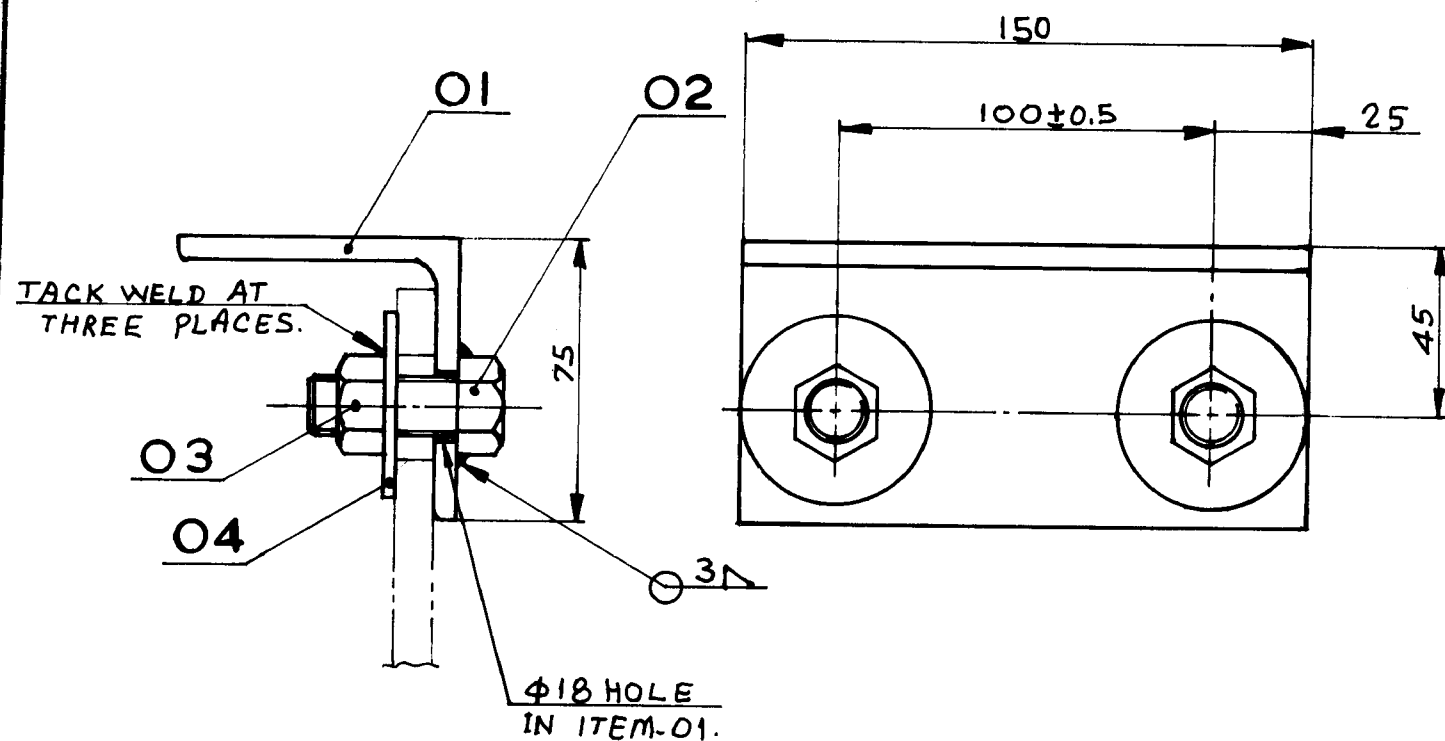
Size A3

FIRST ANGLE PROJECTION (ALL DIMENSIONS ARE IN MILLIMETRES)

05-229/C

3.45.000.00614

DRAWING NO.



CAUTION: 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.

VARIANT NO.	ITEM NO.	DESCRIPTION	STD.	DRAWING NO.	ITEM NO.	MATL CODE	A/C	UNIT	UNIT WT.	NO. OF
					VAR NO.	MATL. SPEC.		DI	QTY.	VAR.
	04	WASHER PLN. 16	S	41411 16 000		41411 00 016			0.038	2
	03	NUT HEX. M16	S	41304 16 000		41304 00 016			0.033	2
	02	SCRU HEX. M16x40	S	41222 16 040		41222 16 040			0.092	2
	01	A 75x75x6; 150				15 013 085 15 2062 Fe 410WA			10.00	1

TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT

**Bharat Heavy Electricals Ltd.,**  
BOILER PLANT UNIT  
TIRUCHIRAPALLI - 620 014

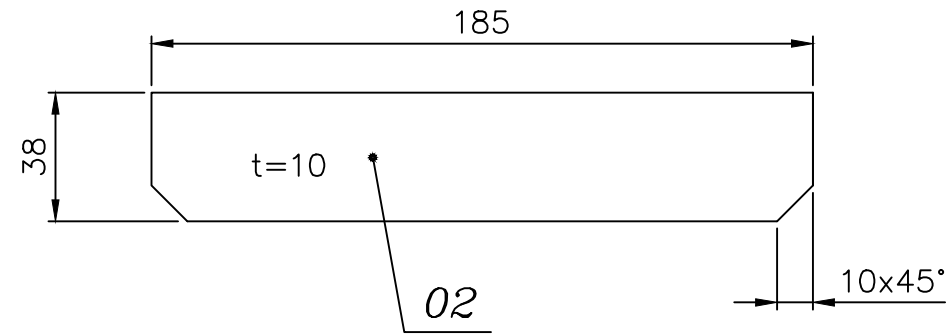
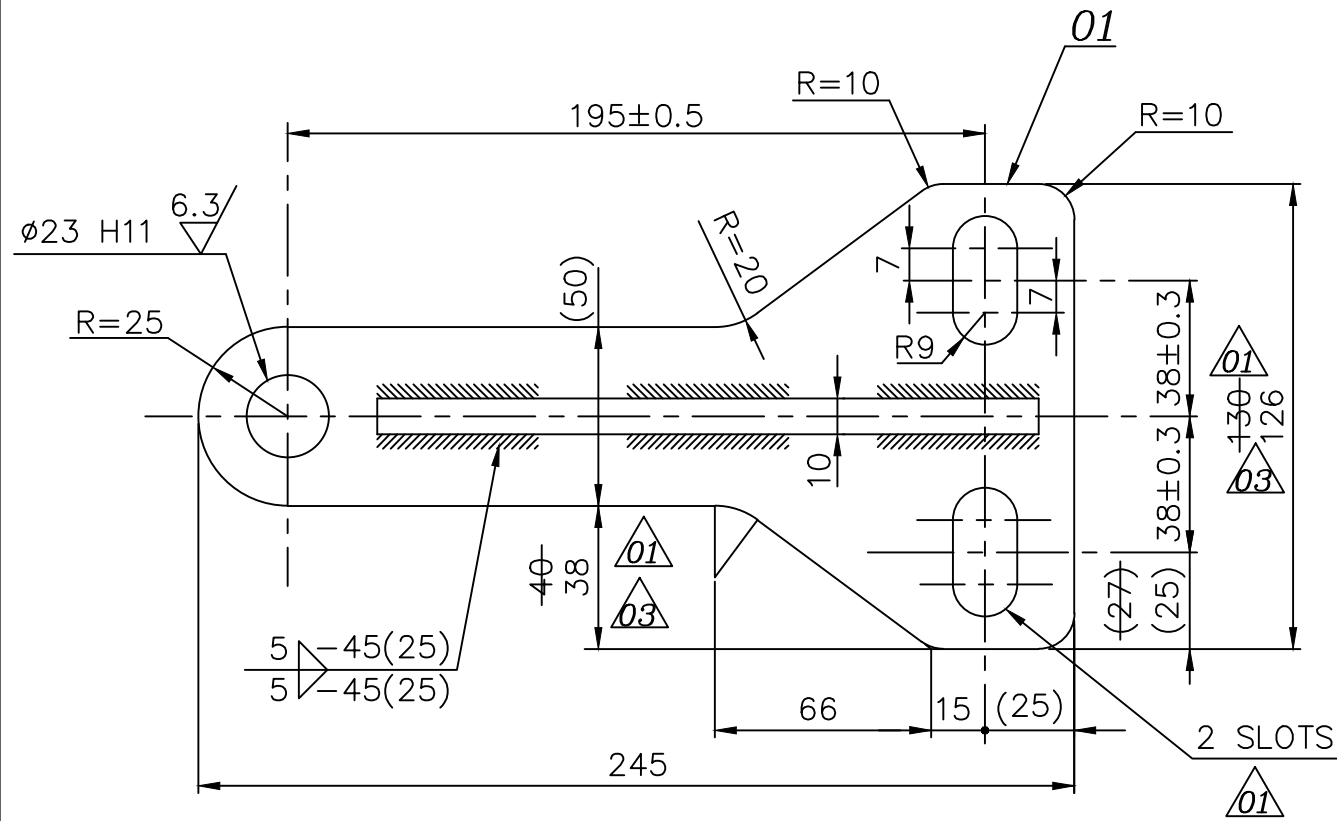
DRN.	C.S.S.R.	NAME	C.S.S.R.	SIGN.	C.S.S.R.	DATE	15.12.87	NO. OF	
CHD.	MKJ					301282		VAR.	
APPD.	SN					301287			

REV.	01	DATE	25/12/97	ALTERED	CC	CHECKED & APPD.	CC	DEPT.	CC	GRADE OF UNTOL. DIM.	R/M/K	SCALE	1:2	WEIGHT (kg.)	1.326	REF. TO ASSY./OLD DRG.	ITEM NO.			
MATH. SPEC. UPDATED FOR ITEM NO 01.																				
TITLE															CARD CODE	U 01	DRAWING NO.	3.45.000.00614	REV.	01

Size A3

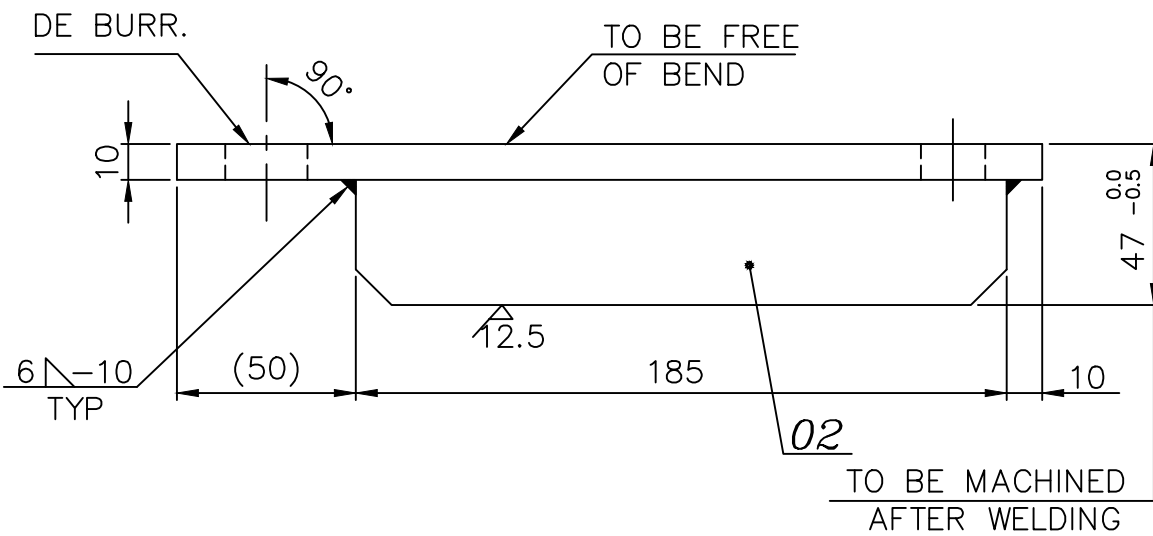
DRAWING NO: 3-45-220-00448

FOR TOLERANCES OF UNTOLERANCED DIMENSIONS DURING MANUFACTURE REFER PLANT STD.NO TP 023 0299



**NOTE: -**  
USE E7018 FOR ALL WELDS.

SIZE	LOWER LIMIT	UPPER LIMIT
Ø23 H11	0	0.130



VARIANT NUMBER	ITEM NUMBER	DESCRIPTION	STD	DRAWING NUMBER	ITEM NO	MATERIAL CODE	A/C/P	UNIT	UNIT WEIGHT	QTY
	02	PL.10X38X185			15 211 098	IS2062FE410A			0.550	1
	01	PL.10X126X245			15 211 098	IS2062FE410A			1.213	1

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	Bharat Heavy Electricals Ltd UNIT: HIGH PRESSURE BOILER PLANT TIRUCHIRAPALLI - 620014 355-055	DRN	NAME	SIGNATURE	DATE		
		CHD	C.S.S.R	-sd-	02.04.85		
		APPD	KM Panicker	-sd-	04.04.85		
DEPT	FS	ALL DIMENSIONS ARE IN MM	PROJECTION	SCALE	WEIGHT (Kg)	REF TO ASSY / OLD DWG	
CODE	129			1:2	1.763		
TITLE						DRAWING NO :	REV
CNT SUPPT BRACKET						3-45-220-00448	03

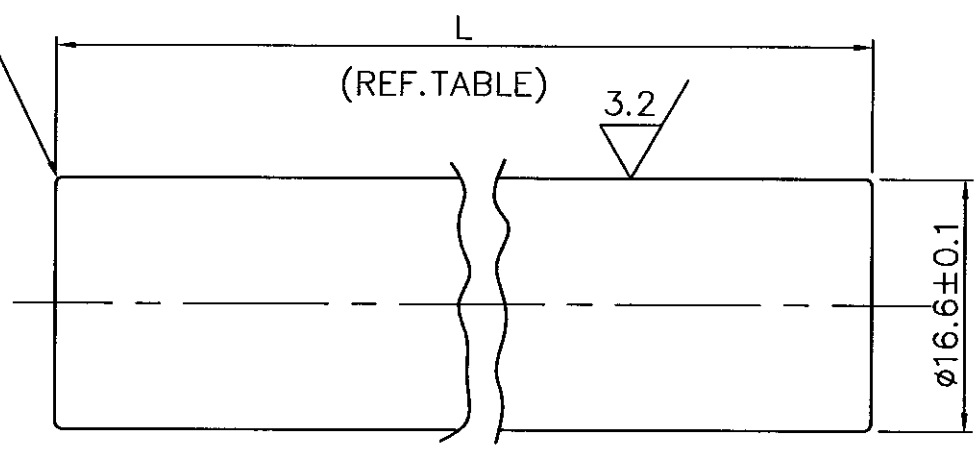
REV	DATE	ALTERED :	MP	REV	DATE	ALTERED :	PDS
03	04-05-11	CHD & APPD:MTP		02	20-05-98	CHD & APPD: MTP	
01	13-11-86	CHD & APPD: MKJK					

ZONE .. DRAWN IN AUTOCAD AND UPDATED  
 ZONE .. MATL SPECN UPDATED, CORRECTED.  
 ZONE .. 2 SLOTS WERE 2 HOLES Ø18. .. DIMNS 130 WAS 116; 27 WAS 20 AND 40 WAS 33.

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REV 01	DATE 31.3.93	ALTERED : CHD & APPD : -SD-	REV 02	DATE 09.2.96	ALTERED : CHD & APPD : -SD-	REV 03	DATE 03.4.04	ALTERED : CHD & APPD : K.R.M	V.R.R.
..VAR.06 ADDED.			VAR.07 ADDED.			PREPARED IN AUTOCAD.			

BREAK CORNERS



VAR.03 ADDED ON 070186  
VAR.04 ADDED ON 280186

VAR. NO	L	DESCRIPTION	STD	MATERIAL CODE	A/C/P	UNIT	UNIT WEIGHT
07	106	D16.6 ; 106		15 024 193			0.182
06	28	D16.6 ; 28		SA 479TY.304			
05	25	D16.6 ; 25		15 024 193			0.050
04	54	D16.6 ; 54		SA 479TY.304			
03	45	D16.6 ; 45		15 024 193			0.043
02	38	D16.6 ; 38		SA 479TY.304			
01	32	D16.6 ; 32		15 024 193			0.090
				SA 479TY.304			
				15 024 193			0.080
				SA 479TY.304			
				15 024 193			0.060
				SA 479TY.304			
				15 024 193			0.060
				SA 479TY.304			
				MATERIAL CODE			UNIT WEIGHT
				MATERIAL SPECN			QUANTITY

TABLE



**Bharat Heavy Electricals Ltd**  
UNIT: HIGH PRESSURE BOILER PLANT  
TIRUCHIRAPALLI - 620014

DRN	NAME CSSR	SIGNATURE -SD-	DATE 01.03.85
CHD	SN	-SD-	01.03.85
APPD	KC	-SD-	

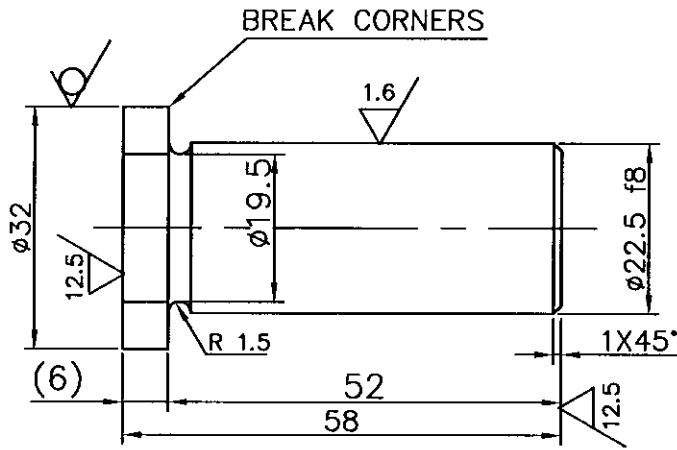
DEPT FS	ALL DIMENSIONS ARE IN MM	PROJECTION 	SCALE 2:1	WEIGHT (Kg)	REF TO ASSY / OLD DWG
TITLE REACH ROD PIN D 16.6					DRAWING NO : 4-45-000-00684
					REV 03

FIRST ANGLE PROJECTION (ALL DIMENSIONS IN MILLIMETRES)

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REV 01	DATE 2.6.98	ALTERED : CHD & APPD : -sd-	REV 02	DATE 20.02.04	ALTERED : CHD & APPD : K.R.M
MATL. SPEC. UPDATED.			PREPARED IN AUTOCAD		

SIZE	LIMITS	
	LOWER	UPPER
ø22.5 f8	-0.053	-0.020



VARIANT NUMBER	D 32 ; 58	STD	15 024 194	A/C/P	UNIT	0.210
			SA479 TY304			MATERIAL CODE
	DESCRIPTION		MATERIAL SPECN			QUANTITY



**Bharat Heavy Electricals Ltd**  
UNIT: HIGH PRESSURE BOILER PLANT  
TIRUCHIRAPALLI - 620014

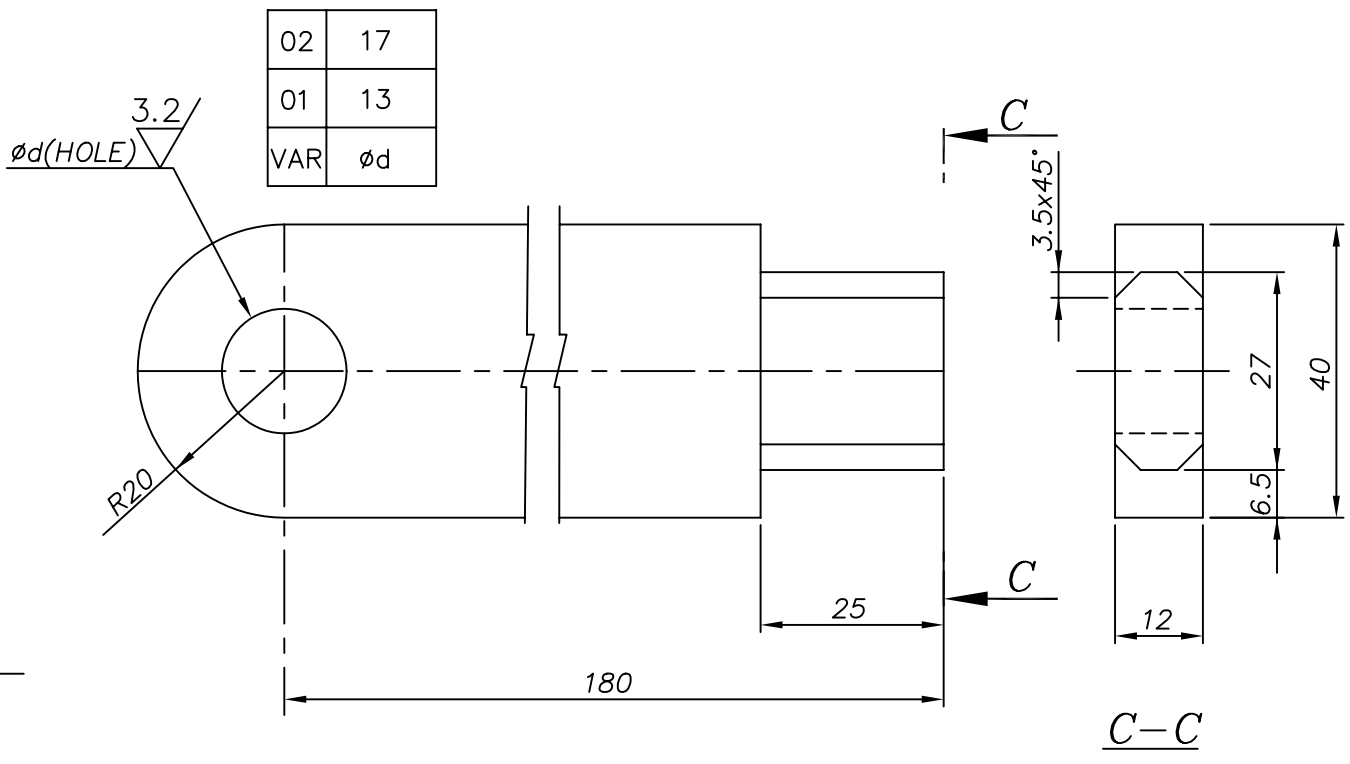
DRN	NAME P.DURAISAMY	SIGNATURE -sd-	DATE 13-11-86
CHD	M.K.JAYAKUMAR	-sd-	19-11-86
APPD	S.NAKKEERAN	-sd-	19-11-86

DEPT FS	ALL DIMENSIONS ARE IN MM	PROJECTION 	SCALE 2:1	WEIGHT (Kg) 0.210
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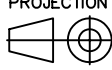
TITLE <b>C.N.PIVOT PIN D 22.5</b> (NEW SUPPORT)	DRAWING NO : <b>4-45-000-00809</b>	REV <b>02</b>
---	---------------------------------------	------------------

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REV	DATE	ALTERED :	CSS	REV	DATE	ALTERED.	FOR TOLERANCES OF UNTOLERANCED DIMENSIONS DURING MANUFACTURE REFER PLANT STD. NO TP 023 0299
01	240306	CHD & APPD :	SVS			CHD.&APPD	
.. DRAWN IN AUTO-CAD.							



02	PL 12x40x200	159421060000		0.750		
		A 588 GR.A				
01	PL 12x40x200	159421060000		0.750		
		A 588 GR.A				
VARIANT NUMBER	DESCRIPTION	STD	MATERIAL CODE	A/C/P	UNIT	UNIT WEIGHT
			MATERIAL SPECN			QUANTITY

 355-056	Bharat Heavy Electricals Ltd UNIT: HIGH PRESSURE BOILER PLANT TIRUCHIRAPALLI - 620014		DRN	NAME	SIGNATURE	DATE
			CHD	VVENGADESAN	-SD-	19AUG87
			APPD	MKJK	-SD-	141288
DEPT	ALL DIMENSIONS ARE IN MM	PROJECTION	SCALE	WEIGHT (Kg)	REF TO ASSY / OLD DWG	
FS			1:1	REF BOM		
CODE	129				TITLE	REV
EYE PLATE-REACH ROD					DRAWING NO :	4-45-000-00886
						01

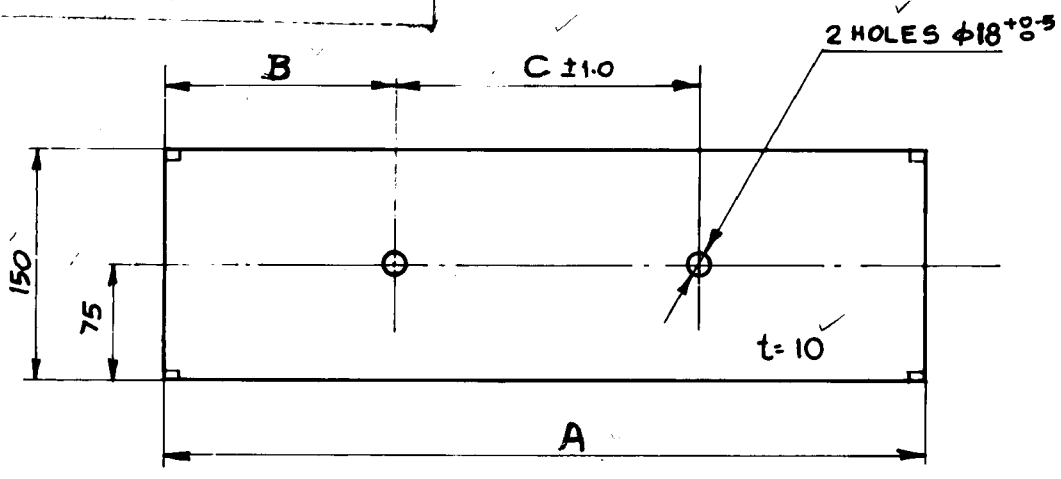
FIRST ANGLE PROJECTION (ALL DIMENSIONS IN MILLIMETRES)

06-243/C

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REV 01	DATE 11-11-88	ALTERED C.S. Jeyaraj	REV 02	DATE 15-4-89	ALTERED C.S. Jeyaraj	REV 03	DATE 05-09-89	ALTERED P. Duraisamy
CHECKED <i>[Signature]</i>			CHECKED <i>[Signature]</i>			CHECKED <i>[Signature]</i>		
VAR. 02 ADDED.			VAR. 03 ADDED.			VAR. NO. 04 ADDED. DIMM "C" WAS 200.		

REV 04	DATE 26/12/97	ALT: C.S. Jeyaraj
CHD & APPD. <i>[Signature]</i>		
MATH SPEC. UPDATED FOR ALL VARIANT.		



VAR. NO	"A"	"B"	"C"
01	500	150	200
02	450	125	200
03	350	75	200
04	300	75	150

1171.520

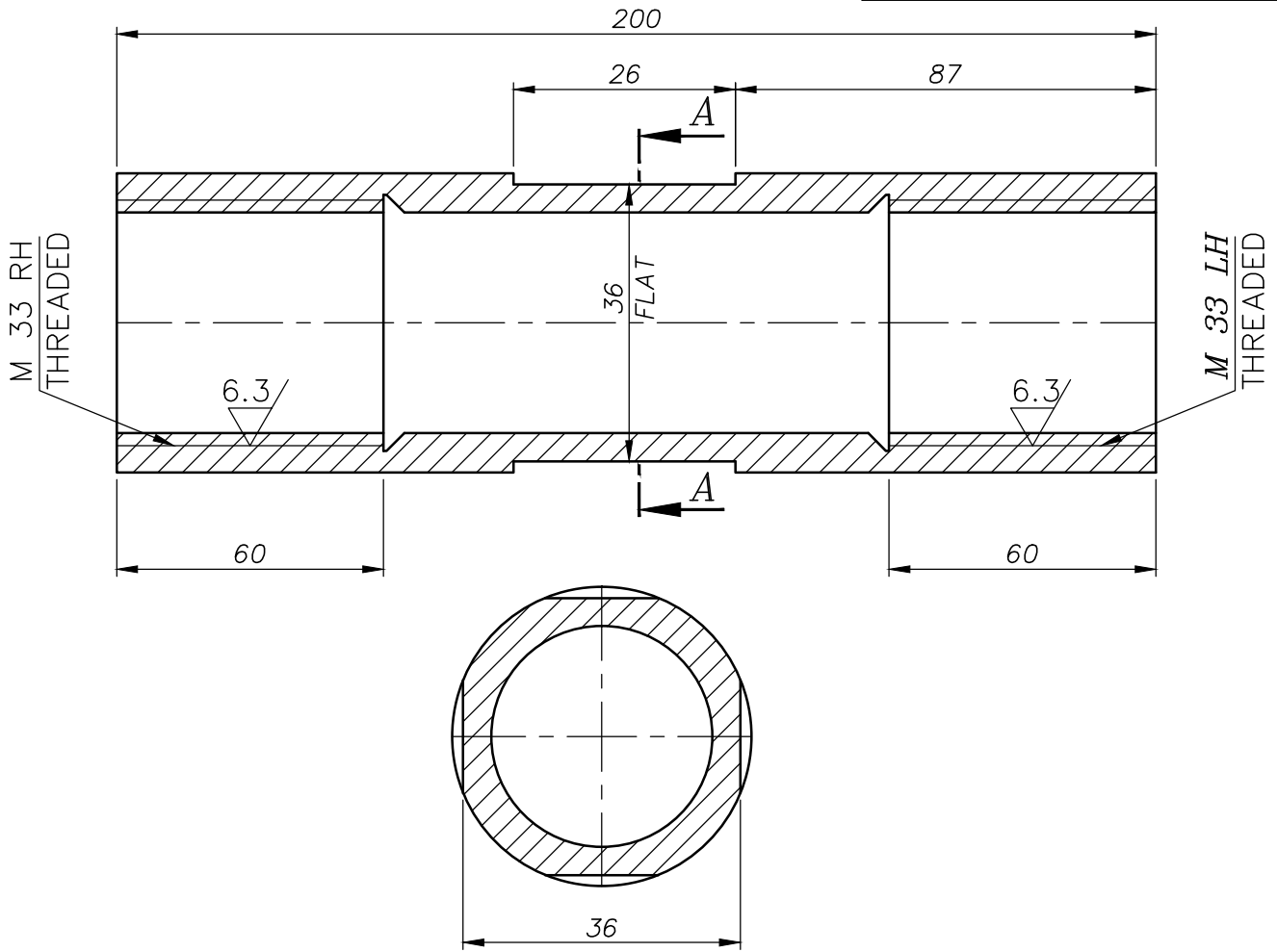
VARIANT No.	DESCRIPTION	MATL CODE	A	UNIT	UNIT WT
04	PL. 10x150x300	15 011 098			3.500
		15 2062 Fe 410WA			
03	PL 10x150x350	15 011 098			4.100
		15 2062 Fe 410WA			
02	PL 10x150x450	15 011 098			5.300
		15 2062 Fe 410WA			
01	PL. 10x150x500	15 011 098			5.850
		15 2062 Fe 410WA			
		MATL SPEC	C		QTY

		<b>Bharat Heavy Electricals Ltd.,</b>		DRN	NAME	SIGN	DATE
		BOILER PLANT UNIT		CHD	P. DURAISAMY.	<i>[Signature]</i>	011287.
		TIRUCHIRAPALLI-620 014		APPD	MKT	<i>[Signature]</i>	031287
					SN	<i>[Signature]</i>	3.1287
DEPT. CC	GRADE OF UNTOL. DIM		SCALE	WEIGHT (kg)	REF TO ASSY / OLD DRG		ITEM NO.
CODE 129	C/M/F			REFLP. 30M			
TITLE				CARD CODE	DRAWING NO.		REV
<b>FRONT NOZ. SUPPORT.</b>				U 01	<b>4-45-325-00914</b>		04
<b>HORI. PLATE</b>							

Size A4

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IN ANY WAY DETRIMENTAL TO THE INTEREST OF BHEL.

REV 01	DATE 310389	ALTERED : CHD & APPD : MKJK	CSS	REV 02	DATE 240306	ALTERED. CHD.&APPD	CSS SVS	REV 03	DATE 05.07.10	ALTERED. CHD.&APPD	KA FB
.. DIMNS. 60,26,87&200 WERE .. 50,40,55&150 RESPECTIVELY. .. SEC.AA ADDED; FLAT 36 WAS 40.				.. DRAWN IN AUTO-CAD. .. DRAWING UPDATED.				MATL.CODE & WEIGHT ALTERED.			
								REV 04			
								DATE 240910			
								ALTERED. CHD.&APPD			
								V.K.S. F.B.			
DRAWING DESCRIPTION ALTERED.											



SEC-AA

VARIANT NUMBER	TU D 44.5x9:L=200	STD	154890520000		NO	1.656
			SA 213 T22			
DESCRIPTION		A/C/P	UNIT	MATERIAL CODE		UNIT WEIGHT
				MATERIAL SPECN		QUANTITY



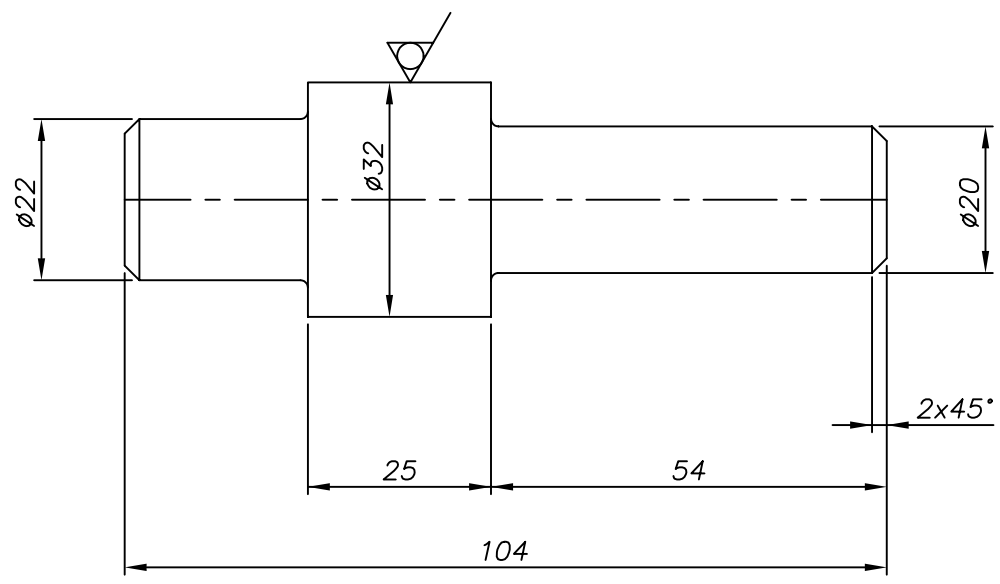
Bharat Heavy Electricals Ltd  
UNIT: HIGH PRESSURE BOILER PLANT  
TIRUCHIRAPALLI - 620014

DRN	NAME C.S.S.R	SIGNATURE -SD-	DATE
CHD	MKJK	-SD-	141287
APPD	SN	-SD-	151287



DEPT FS	ALL DIMENSIONS ARE IN MM	PROJECTION 	SCALE NTS	WEIGHT (Kg) 1.656	REF TO ASSY / OLD DWG
CODE 129					
TITLE <b>SLEEVE-REACH ROD</b>				DRAWING NO : <b>4-45-000-00961</b>	
				REV <b>04</b>	

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REV	DATE	ALTERED :	CSS	REV	DATE	ALTERED.	FOR TOLERANCES OF UNTOLERANCED DIMENSIONS DURING MANUFACTURE REFER PLANT STD. NO TP 023 0299
01	240306	CHD & APPD :	SVS			CHD.&APPD	
.. DRAWN IN AUTO-CAD.							



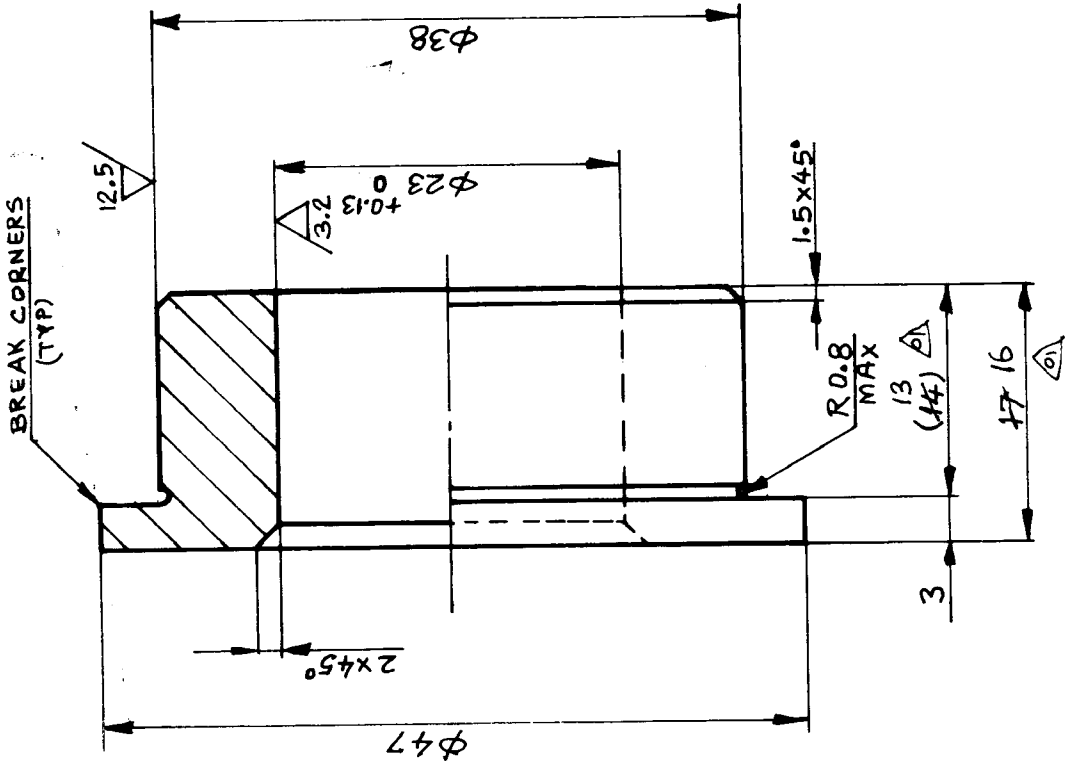
VARIANT NUMBER	DIA 32 ; 104	153391400000	A/C/P	UNIT	0.400
		SA 105			
DESCRIPTION	STD	MATERIAL CODE	A/C/P	UNIT	UNIT WEIGHT
		MATERIAL SPECN			QUANTITY

 355-056	Bharat Heavy Electricals Ltd UNIT: HIGH PRESSURE BOILER PLANT TIRUCHIRAPALLI - 620014		DRN	NAME CSSR	SIGNATURE -SD-	DATE
			CHD	MKJK	-SD-	141288
			APPD	SN	-SD-	151288
DEPT FS	ALL DIMENSIONS ARE IN MM	PROJECTION 	SCALE 1:1	WEIGHT (Kg) 0.400	REF TO ASSY / OLD DWG	
CODE 129	TITLE <i>END PIN-REACH ROD</i>			DRAWING NO : <i>4-45-000-00963</i>		REV <i>01</i>

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FIRST ANGLE PROJECTION (ALL DIMENSIONS IN MILLIMETRES)

REV 01	DATE 11/10/90	ALTERED [Signature]	REV 02	DATE	ALTERED
CHECKED & APPD: [Signature]			CHECKED		
Dimension altered as shown					



724436

D47; 16	15024159	0.150
SA479 TY.304		
DESCRIPTION	MATL CODE	UNIT WT
	MATL SPEC	QTY
	A	
	C	



**Bharat Heavy Electricals Ltd.,**  
BOILER PLANT UNIT  
TIRUCHIRAPALLI-620 014

DRN	NAME	DATE
CHD	C.S.S.R.	[Signature]
APPD	[Signature]	4/4/85

DEPT. CODE CC	GRADE OF UNTOOL. DIM R/M/A	SCALE NTS	WEIGHT (kg) 0.150	REF TO ASSY FOLD DRG ITEM NO.
CODE 123				

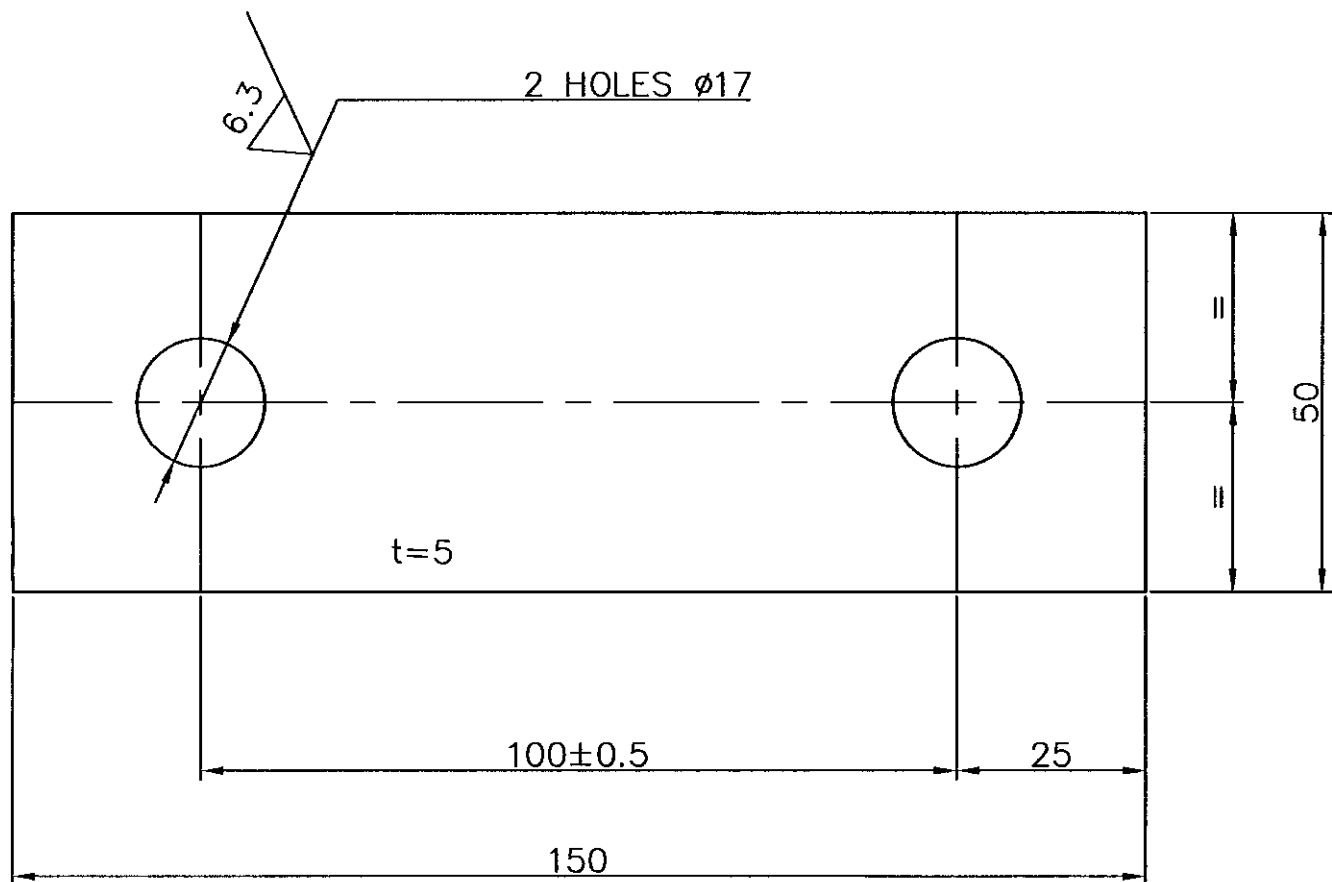
TITLE CNT PIVOT BEARING	CARD CODE U 01	DRAWING NO. 4.45.220-00712
----------------------------	-------------------	-------------------------------

SIZE


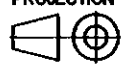
FIRST ANGLE PROJECTION (ALL DIMENSIONS IN MILLIMETRES)

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REV 01	DATE 25.12.97	ALTERED : -sd- CHD & APPD : -sd-	REV 02	DATE 21.02.04	ALTERED : V.R.R CHD & APPD : K.R.M
MATL. SPEC. UPDATED.			PREPARED IN AUTOCAD		

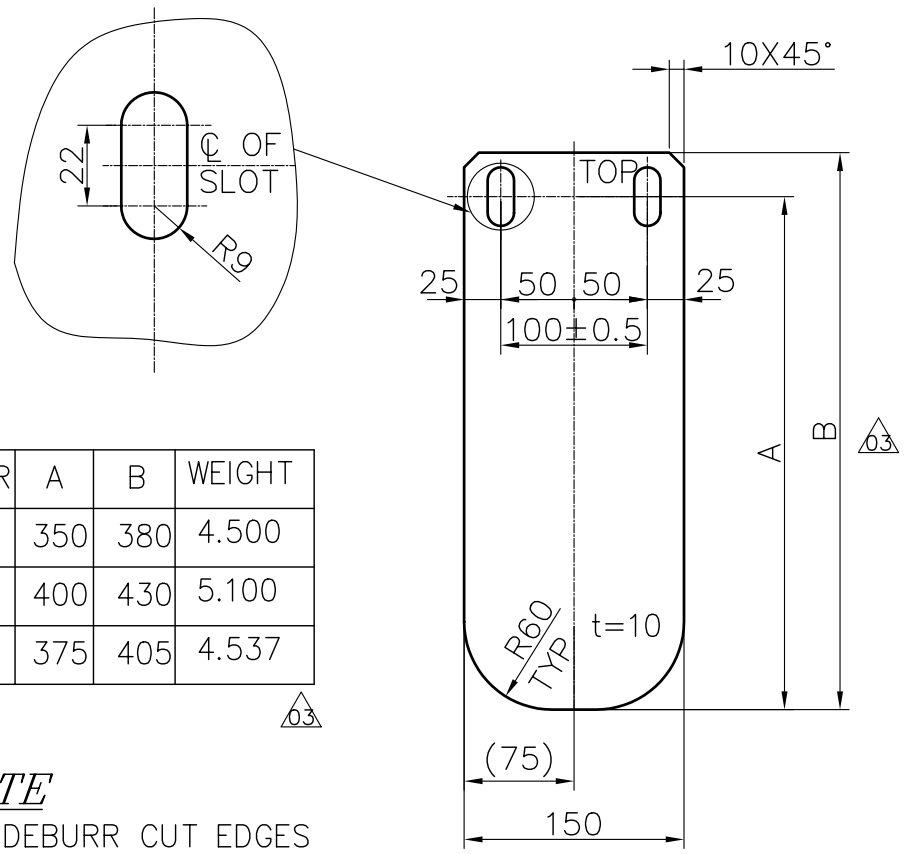


	PL 5X50X150		15 011029		0.300
			IS2062Fe410WA		
VARIANT NUMBER	DESCRIPTION	STD	MATERIAL CODE	A/C/P	UNIT WEIGHT
			MATERIAL SPECN	UNIT	QUANTITY

 355-056	Bharat Heavy Electricals Ltd UNIT: HIGH PRESSURE BOILER PLANT TIRUCHIRAPALLI - 620014		DRN	C.S.S.R	SIGNATURE	-sd-	DATE	02.04.85
			CHD	K.M.P				
			APPD	K.M.P				04.04.85
DEPT	FS	ALL DIMENSIONS ARE IN MM	PROJECTION	SCALE	WEIGHT (Kg)	REF TO ASSY / OLD DWG		
CODE				N.T.S	0.300			
TITLE						DRAWING NO :		REV
CN SUPPT. PL. WASHER						4-45-220-00713		02

THE INFO ON THIS DOCUMENT IS THE PROPERTY OF BHEL. IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO THE INTEREST OF BHEL. CAUTION:

REV 01	DATE 12/2/94	ALTERED : C.S.S.R CHECKED : S.D.B	REV 02	DATE 25/12/94	ALTERED : -sd- CHECKED :-sd-	REV 03	DATE 23/3/05	ALTERED : K.R.M CHECKED : S.D.B
TITLE WAS REAR NOZZLE SUPPOT. VAR.NO: 02 ADDED.			MATL.SPEC. UPDATED FOR ALL VARIANT.			VAR.NO-03 ADDED VAR TABLE ADDED		



VAR	A	B	WEIGHT
01	350	380	4.500
02	400	430	5.100
03	375	405	4.537

**NOTE**  
DEBURR CUT EDGES

VARIANT NUMBER	DESCRIPTION	STD	MATERIAL CODE	A/C	UNIT	UNIT WEIGHT
03	PL.10X150X405		15-011-098			4.537
			IS2062 FE410WA			01
02	PL.10X150X430		15-011-098			5.100
			IS2062 FE410WA			01
01	PL.10X150X380		15-011-098			4.500
			IS2062 FE410WA			01
			MATERIAL SPECN			QUANTITY

		Bharat Heavy Electricals Ltd UNIT: HIGH PRESSURE BOILER PLANT TIRUCHIRAPALLI - 620014		DRN	C.S.S.R	SIGNATURE	-Sd-	DATE		NO. OF VAR
DEPT FS	GRADE OF UNTOL. DIM	SCALE		WEIGHT (Kg)	REF TO ASSY / OLD DWG	ITEM NO	No OF ITEMS			
CODE	C/M/F	1:5		REF.BOM						
TITLE				CARD CODE	DRAWING NO :				REV	
COAL NOZZLE SUPPORT				U 01	4-45-220-00740				03	

FIRST ANGLE PROJECTION (ALL DIMENSIONS IN MILLIMETRES)

REV	DATE	ALTERED	CHECKED
01	17/287	C.S. J. S. J.	J. S. J.

REV	DATE	ALTERED	CHECKED
02	5.288	C.S. J. S. J.	J. S. J.

REV	DATE	ALTERED	CHECKED
03	15.489	C.S. J. S. J.	J. S. J.

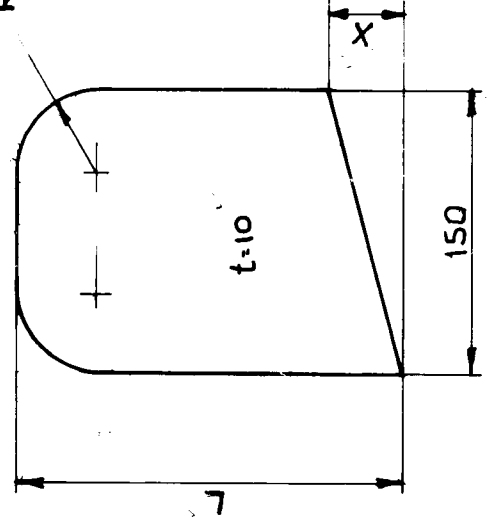
REV	DATE	ALTERED	CHECKED
03	15.489	C.S. J. S. J.	J. S. J.

--VAR.NO.03 INCLUDED.

--DIMN."L" WAS 152 IN VAR.03.

--VAR.04&05 ADDED

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VAR.NO.	"L"	"R"	"X"
01	182	50	14
02	172	20	14
03	142	60	14
04	148	60	9
05	98	60	9
06	94	60	9

1171521

ADDED ON 5/19/89  
P. Prakashan

REV	DESCRIPTION	DRN	NAME	SIGN	DATE	UNIT WT	QTY
06	PL 10 X 94 X 150	15 011 098	P. J. RAJASAMY	[Signature]	01.12.87	1.200	
05	PL 10 X 98 X 150	IS 2062 Fe 410WR 15 011 098	M.K. JAYAKUMAR	[Signature]	02.12.87	1.150	
04	PL 10 X 148 X 150	IS 2062 Fe 410WR 15 011 098	S. NARAYANAN	[Signature]	3.12.87	1.750	
03	PL 10 X 142 X 150	IS 2062 Fe 410WR 15 011 098				1.650	
02	PL 10 X 150 X 172	IS 2062 Fe 410WR 15 011 098				2.000	
01	PL 10 X 150 X 182	IS 2062 Fe 410WR 15 011 098				2.000	



**Bharat Heavy Electricals Ltd.,**  
BOILER PLANT UNIT  
TIRUCHIRAPALLI-620 014

DEPT. CC	GRADE OF UNTOOL. DIM	SCALE	WEIGHT (kg)	REF. BOM.	ITEM NO.
CODE 129	C/M/F	1:1			

TITLE  
**FRONT NOZ. SUPPORT  
VERTICAL PLATE.**

CARD CODE  
U 01

DRAWING NO.  
**4-45-325-00913**

Size A4

FIRST ANGLE PROJECTION (ALL DIMENSIONS IN MILLIMETRES)

06-243/C

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REV 01	DATE 11-11-88	ALTERED C.S. Jeyaraj	REV 02	DATE 15-4-89	ALTERED C.S. Jeyaraj	REV 03	DATE 05-09-89	ALTERED P. Duraisamy
CHECKED <i>[Signature]</i>			CHECKED <i>[Signature]</i>			CHECKED <i>[Signature]</i>		
VAR. 02 ADDED.			VAR. 03 ADDED.			VAR. NO. 04 ADDED. DIMM. "C" WAS 200.		

REV 04	DATE 26/12/97	ALT: C.S. Jeyaraj
CHG & APPD. <i>[Signature]</i>		
MATH SPEC. UPDATED FOR ALL VARIANT.		



VAR. NO	"A"	"B"	"C"
01	500	150	200
02	450	125	200
03	350	75	200
04	300	75	150

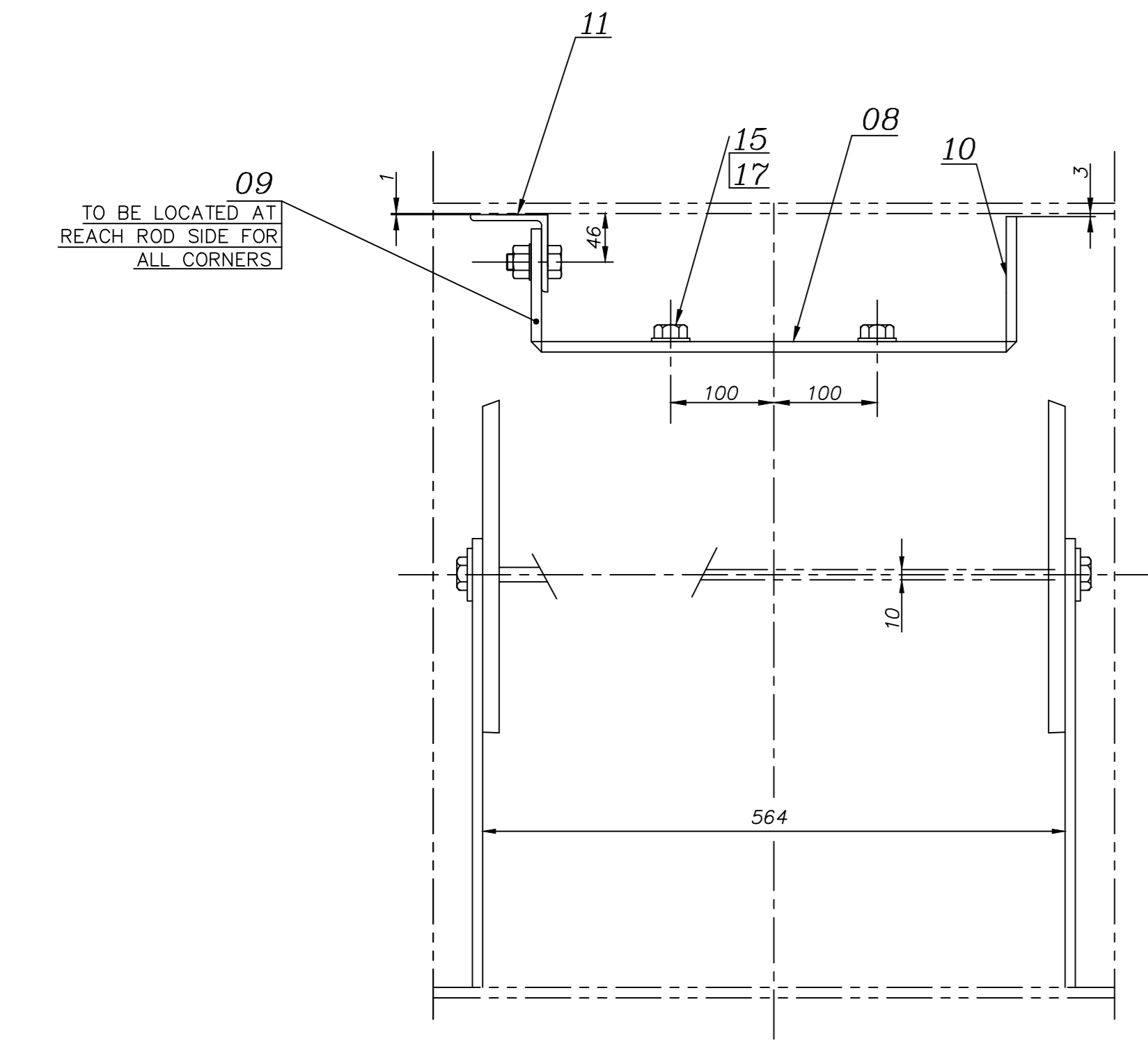
1171.520

VARIANT No.	DESCRIPTION	MATL CODE	UNIT	UNIT WT
04	PL. 10x150x300	15 011 098		3.500
		15 2062 Fe 410WA		
03	PL 10x150x350	15 011 098		4.100
		15 2062 Fe 410WA		
02	PL 10x150x450	15 011 098		5.300
		15 2062 Fe 410WA		
01	PL. 10x150x500	15 011 098		5.850
		15 2062 Fe 410WA		
		MATL SPEC	A	QTY
			C	

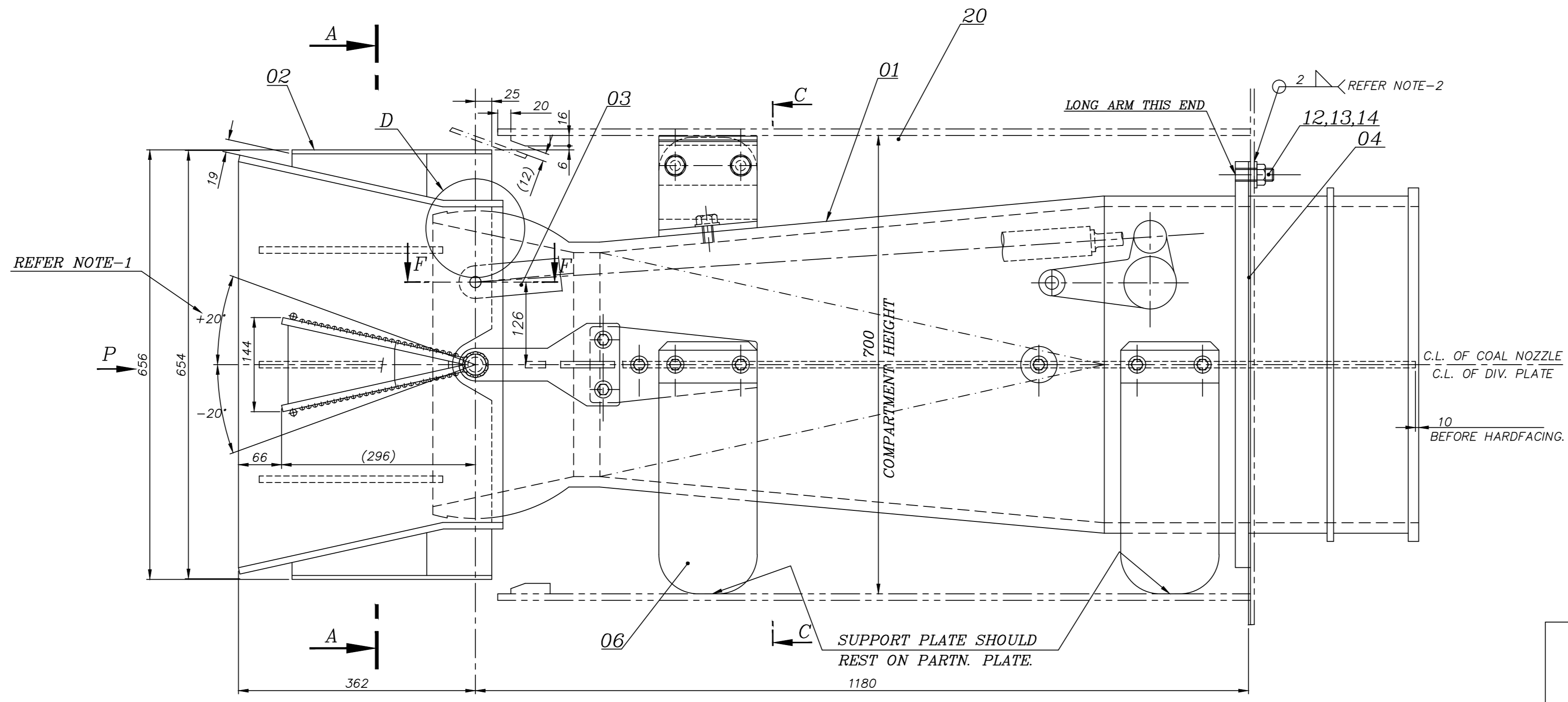
		<b>Bharat Heavy Electricals Ltd.,</b>		DRN	NAME	SIGN	DATE
		BOILER PLANT UNIT		CHD	P. DURAISAMY.	<i>[Signature]</i>	011287.
		TIRUCHIRAPALLI-620 014		APPD	MKT	<i>[Signature]</i>	031287
DEPT. CC	GRADE OF UNTOL. DIM		SCALE	WEIGHT (kg)	REF TO ASSY / OLD DRG	ITEM NO.	
CODE 129	C/M/F			REFLP. 30M			
TITLE				CARD CODE	DRAWING NO.	REV	
<b>FRONT NOZ. SUPPORT.</b>				U 01	<b>4-45-325-00914</b>	04	
<b>HORI. PLATE</b>							

Size A4

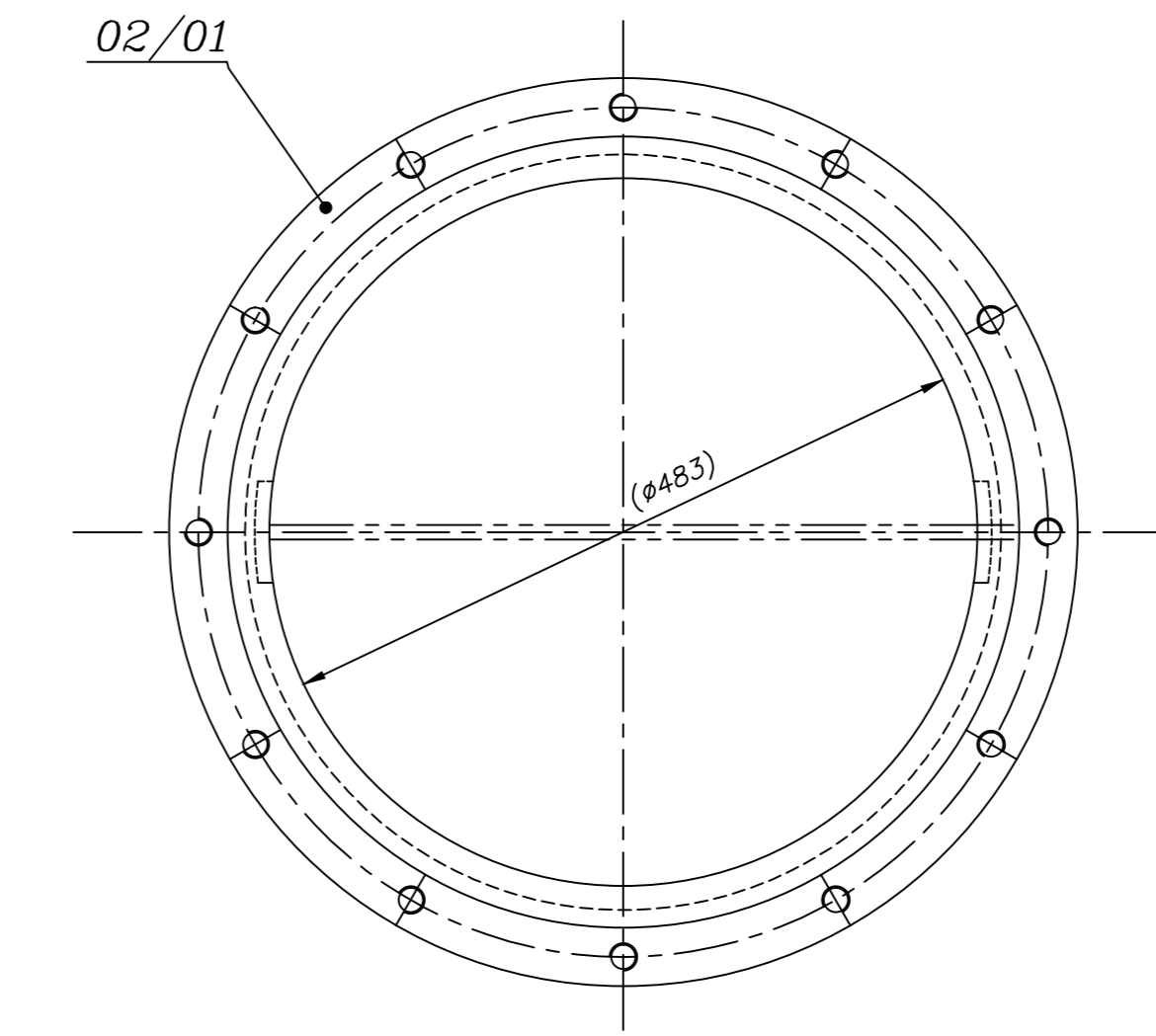
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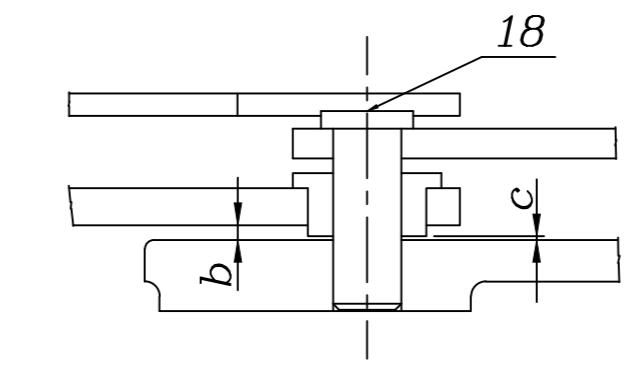
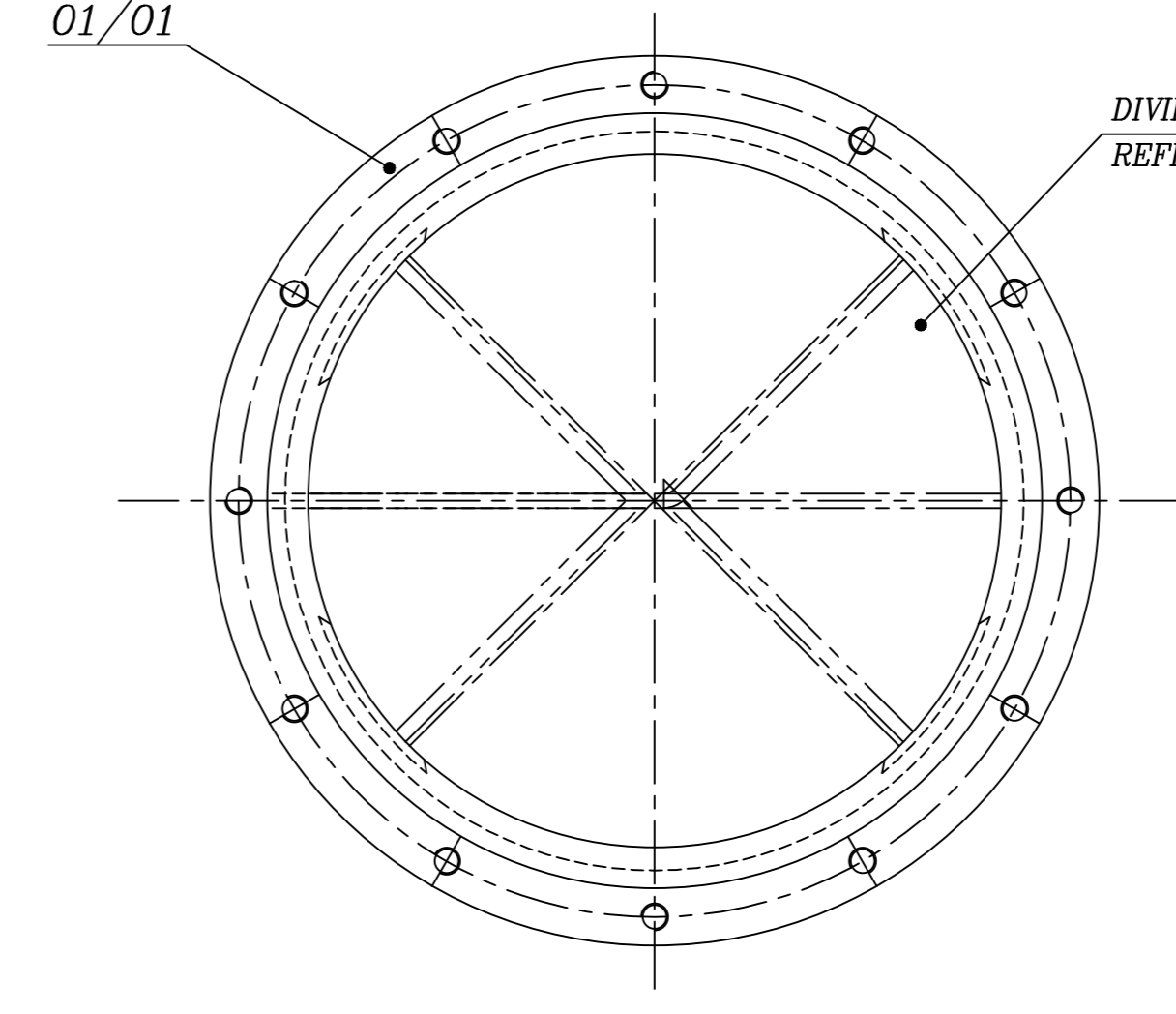
SECTION-CC



VIEW - B (VARIANT-02)

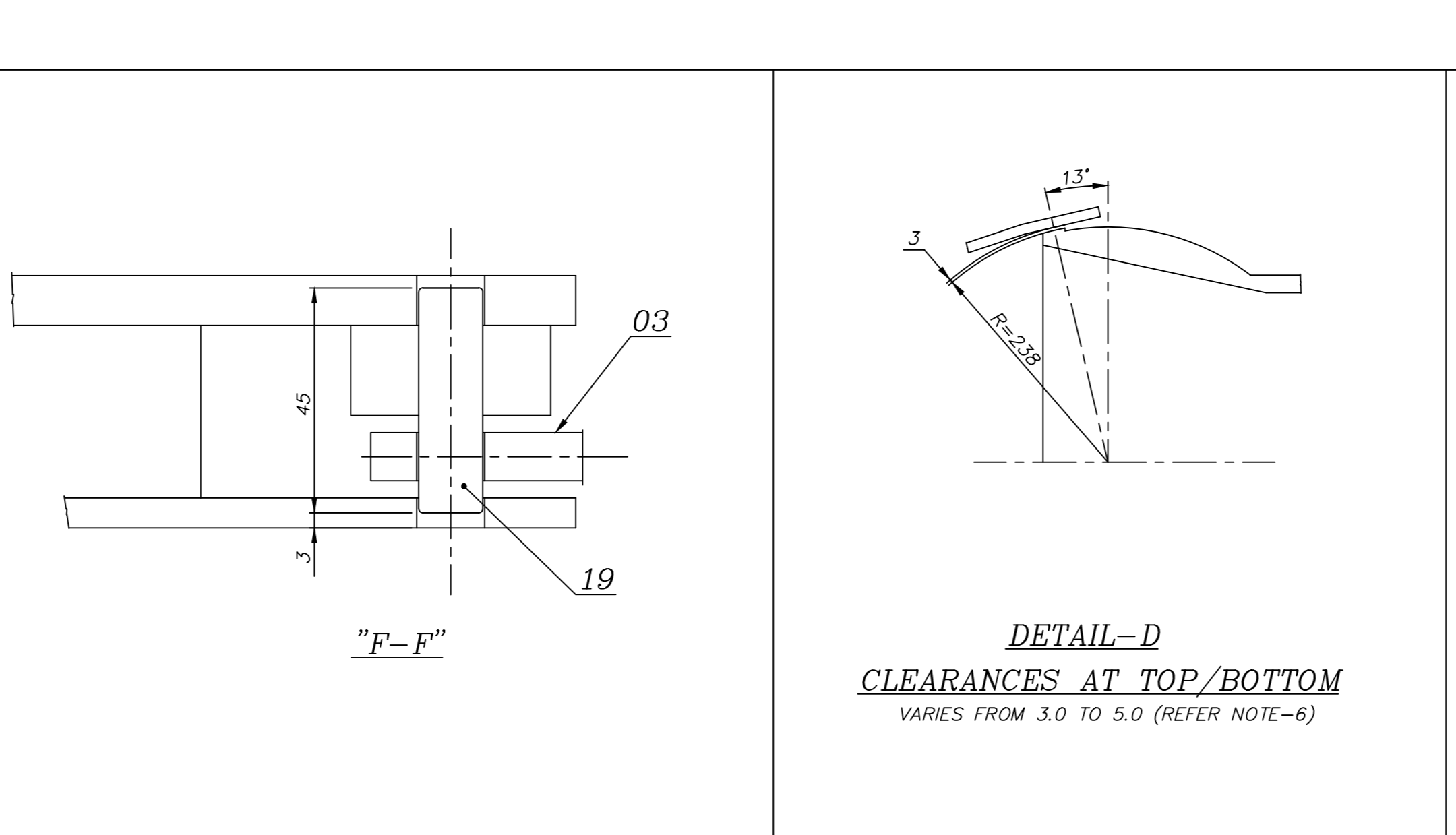
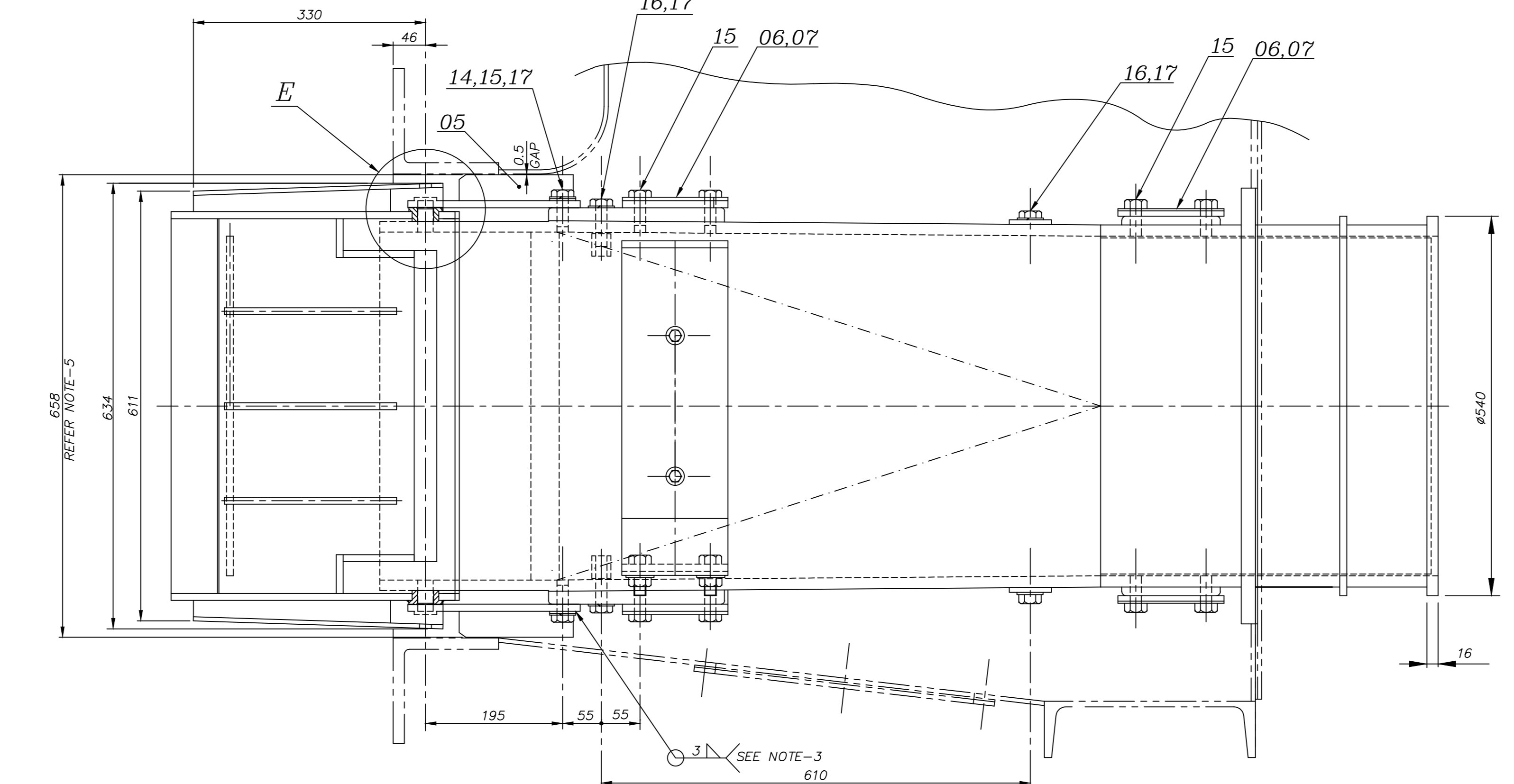
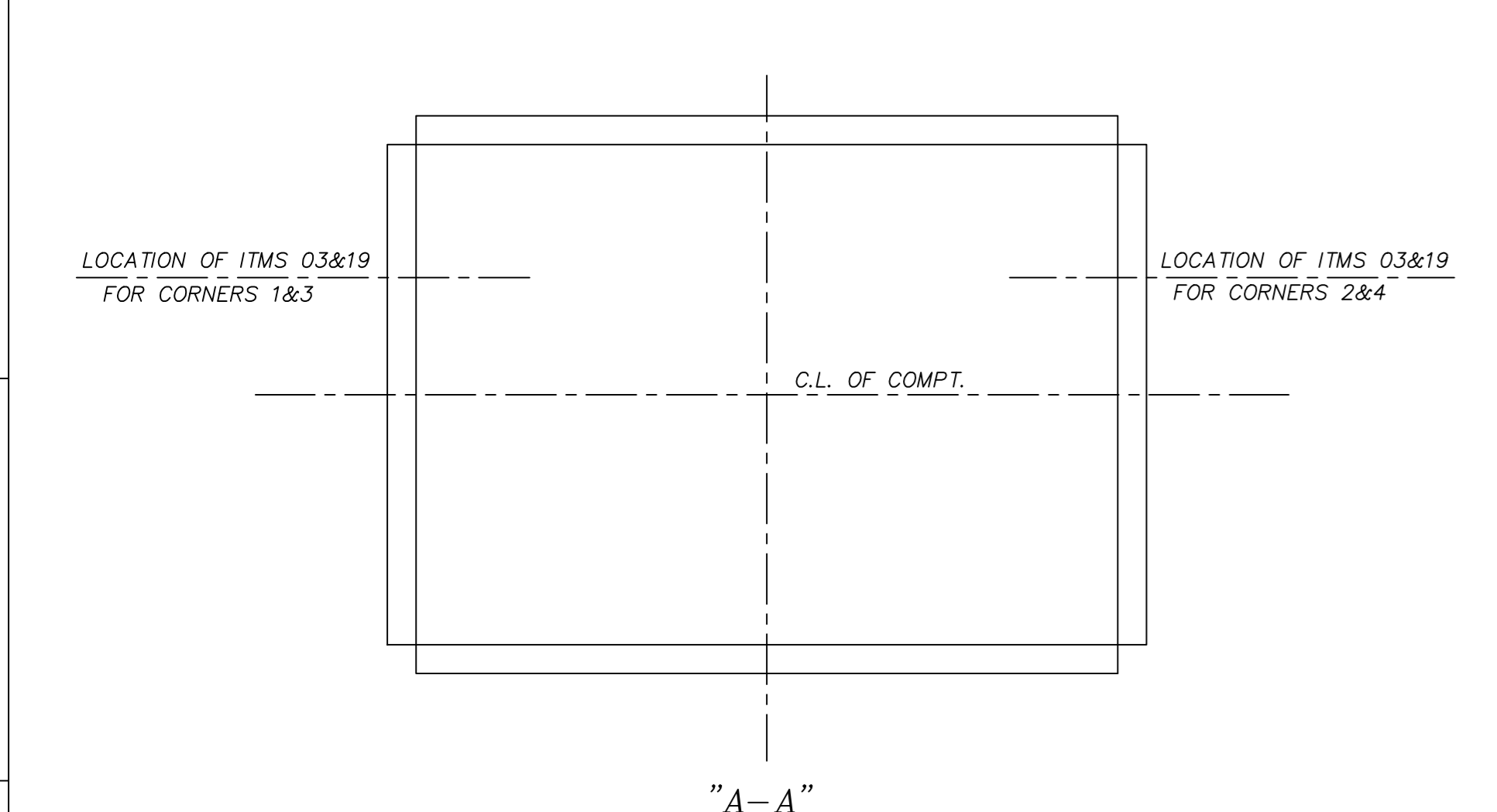
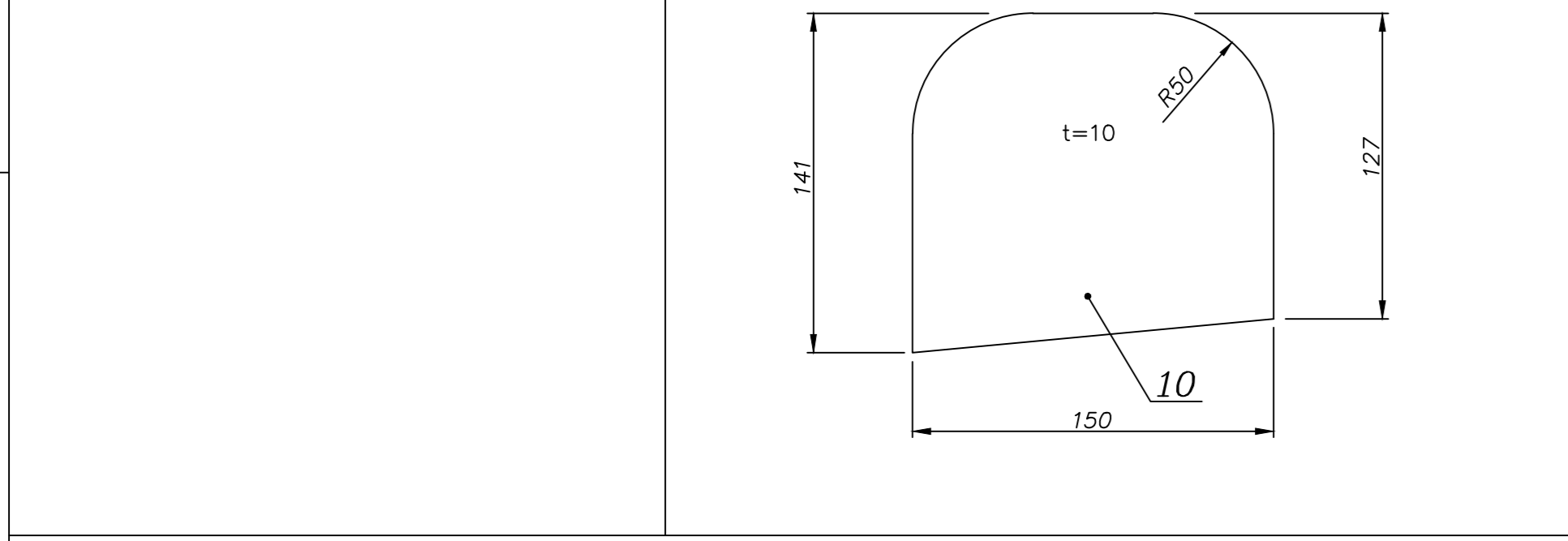
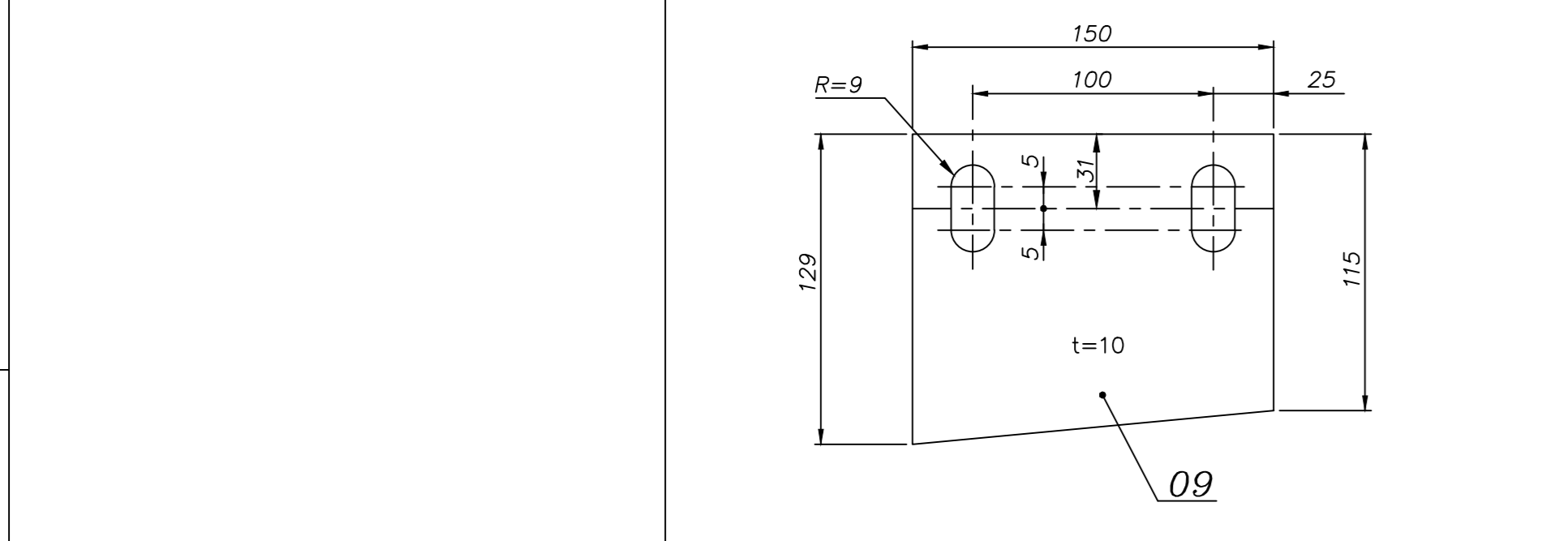
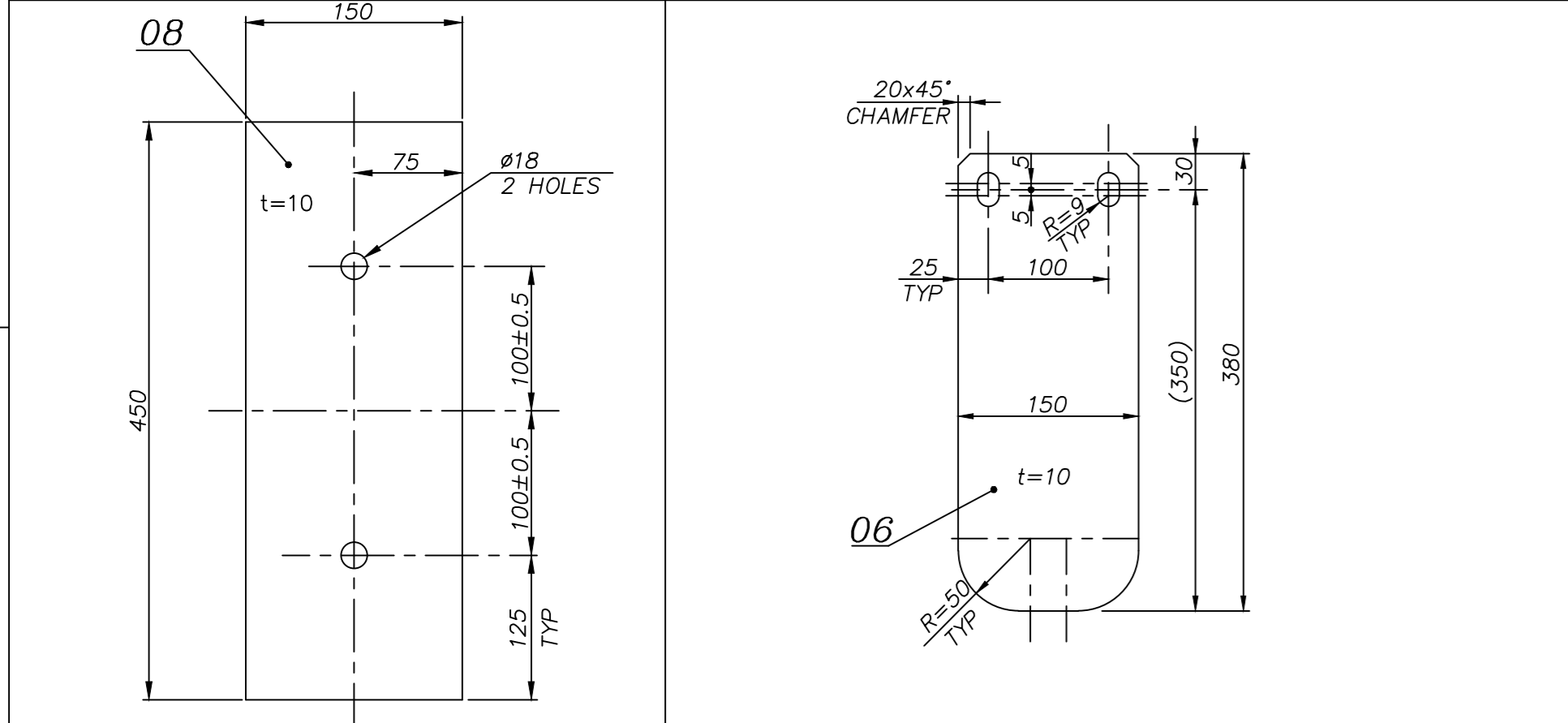


VIEW - B (VARIANT-01)



"b" = 4.0 to 6.0 mm  
"c" = 0.5 to 2.0 mm

DETAIL-E  
CLEARANCES AT SIDES  
(REFER NOTE-1)



DETAIL-D  
CLEARANCES AT TOP/BOTTOM  
VARIES FROM 3.0 TO 5.0 (REFER NOTE-6)

NOTES:

- CHECK FOR FREE MOVEMENT OF SEAL PLATE & TIP OVER THE COAL NOZZLE THROUGH ±2.0 TILT. ALL CLEARANCES (TOP/BOTTOM/SIDES) SHALL BE CHECKED AND ENSURED.
- WASHER (ITEM-14) ARE TO BE WELDED TO INNER PANEL AFTER ALIGNING COAL TIP TO WIND BOX COMPT. WHEREVER WASHERS ARE PROJECTING INSIDE THE INNER PANEL OPENING. TRIM THEM FOR EASY REMOVAL OF INNER PANEL OVER THE COAL NOZZLE FLANGE.
- WASHERS (ITEM-14) ARE TO BE WELDED ON THE SUPPORT BRACKET (ITEM-05) AFTER FINAL ALIGNMENT. TACK WELD THE SCREW HEADS SUITABLY.
- "CERAC-SP 110" TO BE SPRAYED ON ALL BEARING SURFACES DURING ASSEMBLY. SURFACES TO BE CLEANED & DRIED PRIOR TO APPLICATION.
- AFTER ASSEMBLING THE SUPPORT BRACKET (ITEM-05) TO THE COAL NOZZLE, IF THE DIMENSION BETWEEN THE OUTER FACES OF SUPPORT BRACKET EXCEEDS THE BURNER FRAME WIDTH IT SHALL BE REDUCED TO HAVE 1.5mm. MAXIMUM CLEARANCE IN TOTAL, BY GRINDING THE PLATES OF THE SUPPORT BRACKET (EQUALLY EACH SIDE).
- DIVIDER PLATE IS AN INTEGRAL PART OF COAL COMPARTMENT. FOR THE ORIENTATION DETAILS REFER THE 'DIVIDER PLATE SELECTION CHART' IN TT BURNERS ASSEMBLY DRAWING.
- FOR WELDING DETAILS REFER DRG.3-45-000-00665.
- WEIGHT OF COAL COMPT. = 532.637 Kgs./VARIANT.

FOR TOLERANCES OF UNTOOLERANCED DIMENSIONS DURING MANUFACTURE REFER PLANT STD. NO TP 023 0299

ITEM NO	DESCRIPTION	STD	DRAWING NUMBER	VAR NO	MATERIAL SPECN	UNIT WEIGHT (kg)	QUANTITY	ZONE
02 19	REACH ROD PIN D16.6:45	4-45-000-00684	15 024 193	NO	0.080	1		
03	SA479TY304							
02 18	CN PIV.PIN D22.5 D32:58	4-45-000-00809	15 024 194	NO	0.210	2		
			SA479TY304					
02 17	WASHER SP.SQ.16		4140500016	NO	0.009	10		
						4		
02 16	SCRU HEX M16X55		4122216055	NO	0.115	4		
						14		
02 15	SCRU HEX M16X40		4122216040	NO	0.092	14		
						16		
02 14	WASHER PLN A17 STEEL		4141100016	NO	0.038	16		
						12		
02 13	NUT HEX M16		4132000016	NO	0.030	12		
						12		
02 12	STUD M16X45		4110216045	NO	0.096	12		
						1		
02 11	CN.ARRESTER	3-45-000-00614		NO	1.320	1		
			ASSY			1		
02 10	PL.10X141X150		15 211 098	NO	1.500	1		
			IS2062FE410A			1		
02 09	PL.10X129X150		15 211 098	NO	1.430	1		
			IS2062FE410A			1		
02 08	PL.10X150X450		15 211 098	NO	5.300	1		
			IS2062FE410A			1		
02 07	CN.SUPPT.WASHER PL.5X50X150	4-45-220-00713	15 011 029	NO	0.300	4		
			IS2062FE410A			4		
02 06	COAL NOZ.SUPPORT PL.10X150X380		15 211 098	NO	4.400	4		
			IS2062FE410A			4		
02 05	CNT SUPPT.BRACKET	3-45-220-00448		NO	2.000	2		
			WELDT.			2		
02 04	GASKET SH.3;D620/D547	4-45-260-00572	2202014100	NO	0.380	1		
			CAF GR.W/1			1		
02 03	TUB REACH ROD	2-45-220-01457		NO	5.129	1		
			ASSY.			1		
02 02	WR COAL NOZZLE TIP	1-45-220-01630		NO	154.220	1		
			WELDT.			1		
02 01	COAL NOZZLE	1-45-220-01040	92 018 203	NO	336.000	1		
			A536GR654512			1		

ITEM NO	DESCRIPTION	STD	DRAWING NUMBER	VAR NO	MATERIAL SPECN	UNIT WEIGHT (kg)	QUANTITY	ZONE
01 19	REACH ROD PIN D16.6:45	4-45-000-00684	15 024 193	NO	0.080	1		
03	SA479TY304							
01 18	CN PIV.PIN D22.5 D32:58	4-45-000-00809	15 024 194	NO	0.210	2		
			SA479TY304					
01 17	WASHER SP.SQ.16		4140500016	NO	0.009	10		
						4		
01 16	SCRU HEX M16X55		4122216055	NO	0.115	4		
						14		
01 15	SCRU HEX M16X40		4122216040	NO	0.092	14		
						16		
01 14	WASHER PLN A17 STEEL		4141100016	NO	0.038	16		
						12		
01 13	NUT HEX M16		4132000016	NO	0.030	12		
						12		
01 12	STUD M16X45		4110216045	NO	0.096	12		
						1		
01 11	CN.ARRESTER	3-45-000-00614		NO	1.320	1		
			ASSY			1		
01 10	PL.10X141X150		15 211 098	NO	1.500	1		
			IS2062FE410A			1		
01 09	PL.10X129X150		15 211 098	NO	1.430	1		
			IS2062FE410A			1		
01 08	PL.10X150X450		15 211 098	NO	5.300	1		
			IS2062FE410A			1		
01 07	CN.SUPPT.WASHER PL.5X50X150	4-45-220-00713	15 011 029	NO	0.300	4		
			IS2062FE410A			4		
01 06	COAL NOZ.SUPPORT PL.10X150X380		15 211 098	NO	4.400	4		
			IS2062FE410A			4		
01 05	CNT SUPPT.BRACKET	3-45-220-00448		NO	2.000	2		
			WELDT.			2		
01 04	GASKET SH.3;D620/D547	4-45-260-00572	2202014100	NO	0.380	1		
			CAF GR.W/1			1		
01 03	TUB REACH ROD	2-45-220-01457		NO	5.129	1		
			ASSY.			1		
01 02	WR COAL NOZZLE TIP	1-45-220-01630		NO	154.220	1		
			WELDT.			1		
01 01	COAL NOZZLE	1-45-220-01040	92 018 202	NO	336.000	1		
			A536GR654512			1		

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TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT

Bharat Heavy Electricals Ltd  
UNIT: HIGH PRESSURE BOILER PLANT  
TIRUCHIRAPALLI - 620014

DATE: 03/05/11  
C.S.S.  
C.S.S.ECAR  
160511

PROJECTION SCALE: 1:5  
WEIGHT (kg): SEE NOTE-B

REF TO ASSY / OLD DWG

REV: 01  
DATE: 22/3  
ALTERED: CHD & APPD

TITLE: COAL COMPARTMENT ASSY.

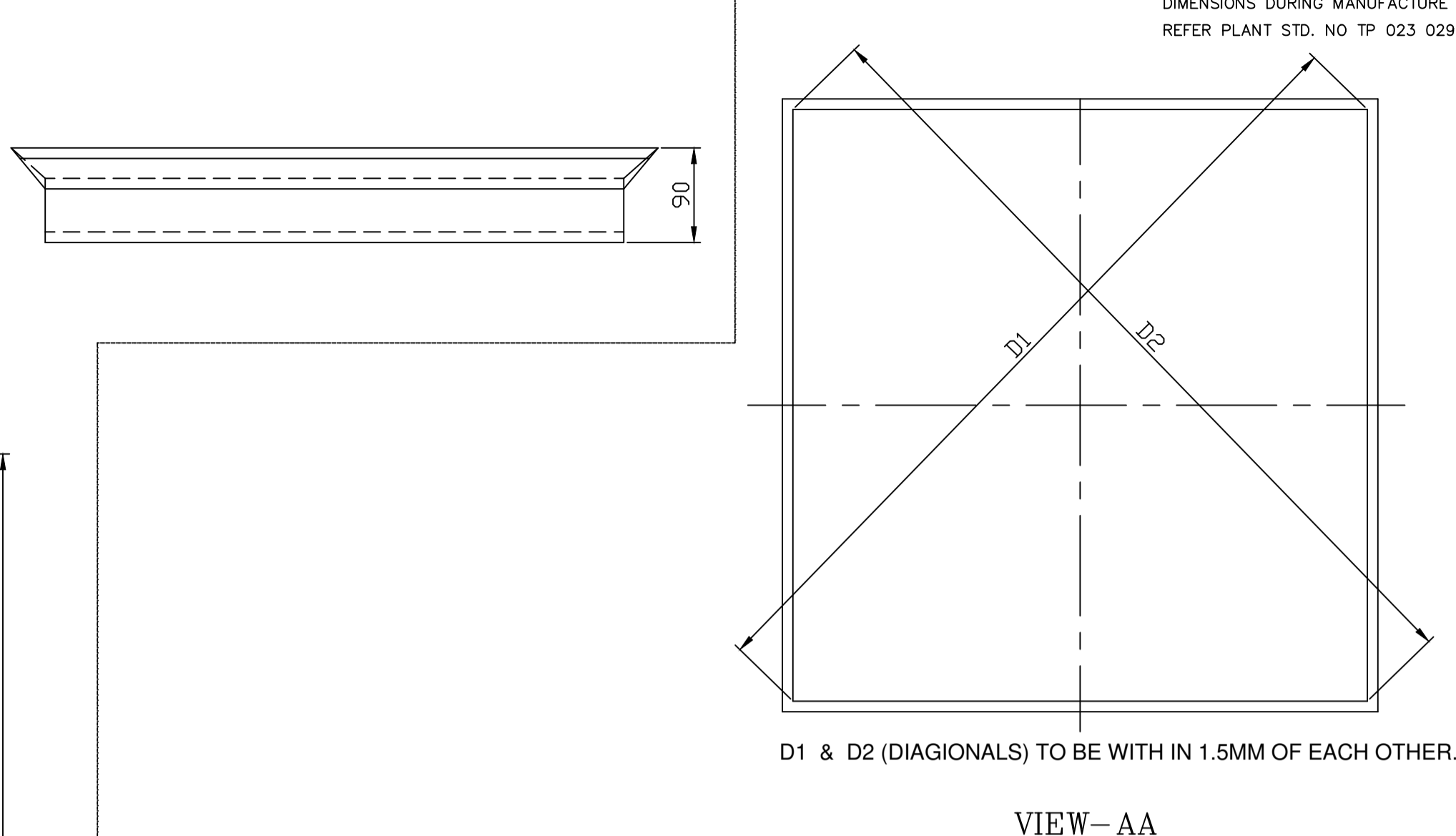
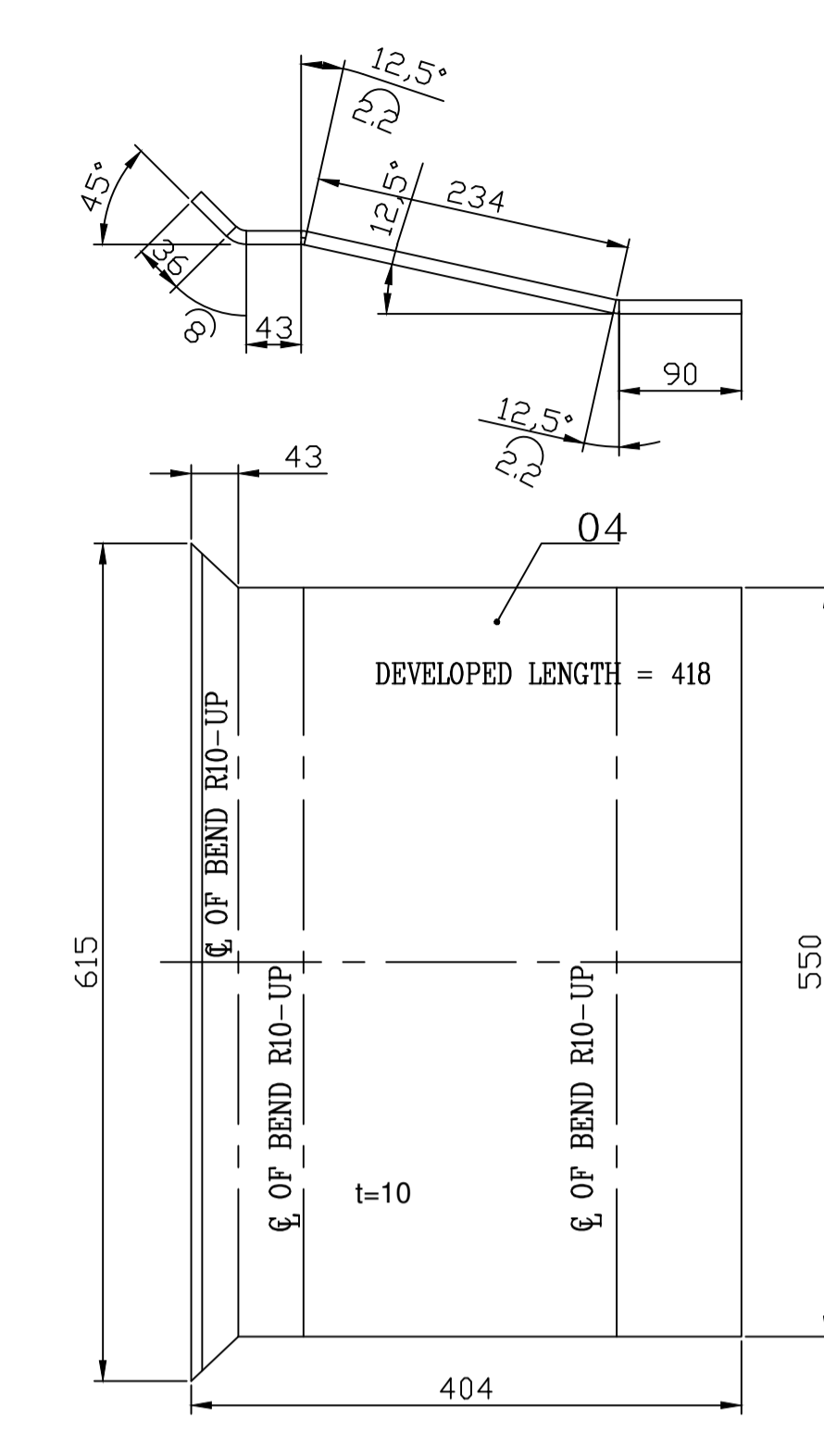
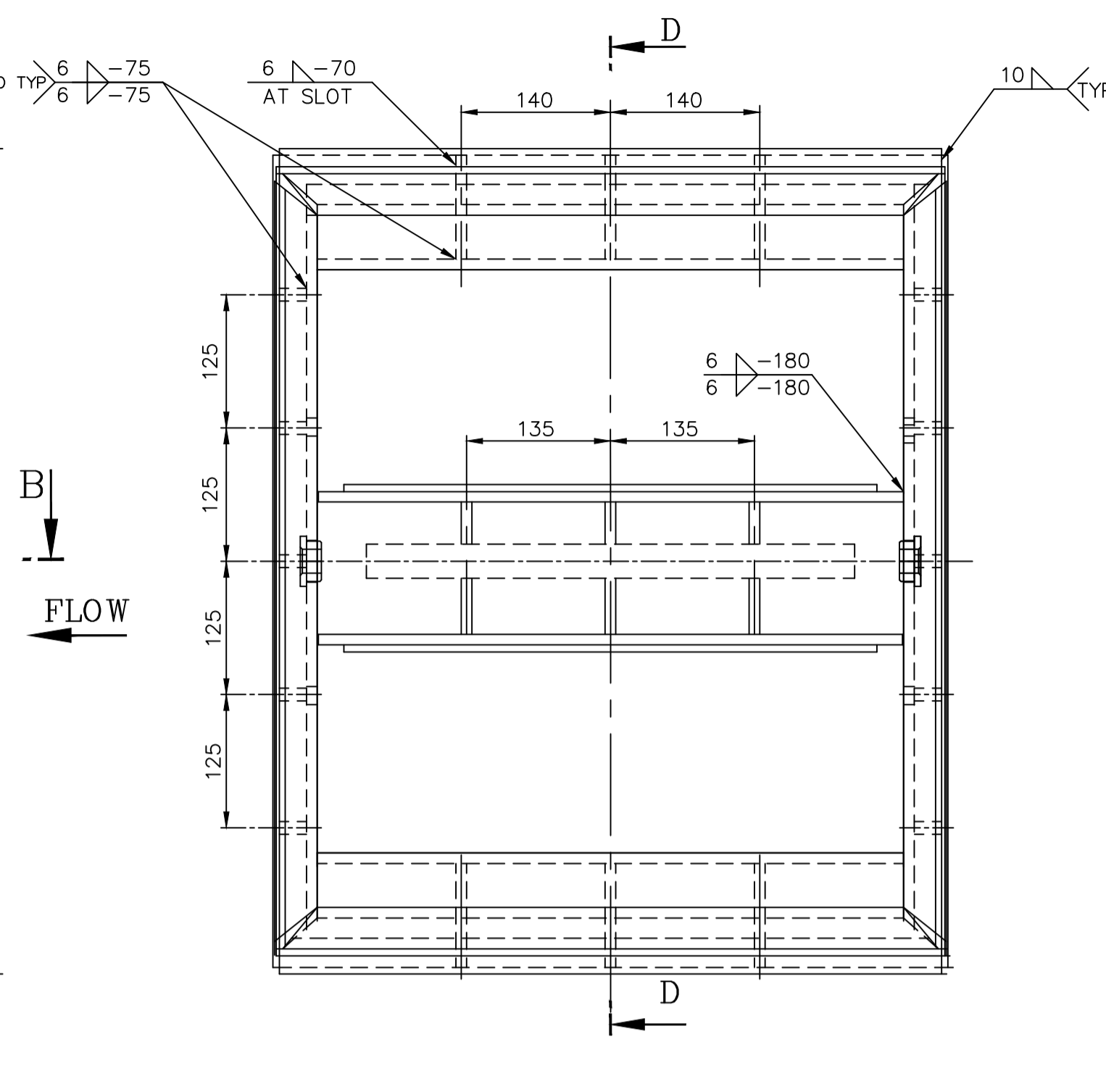
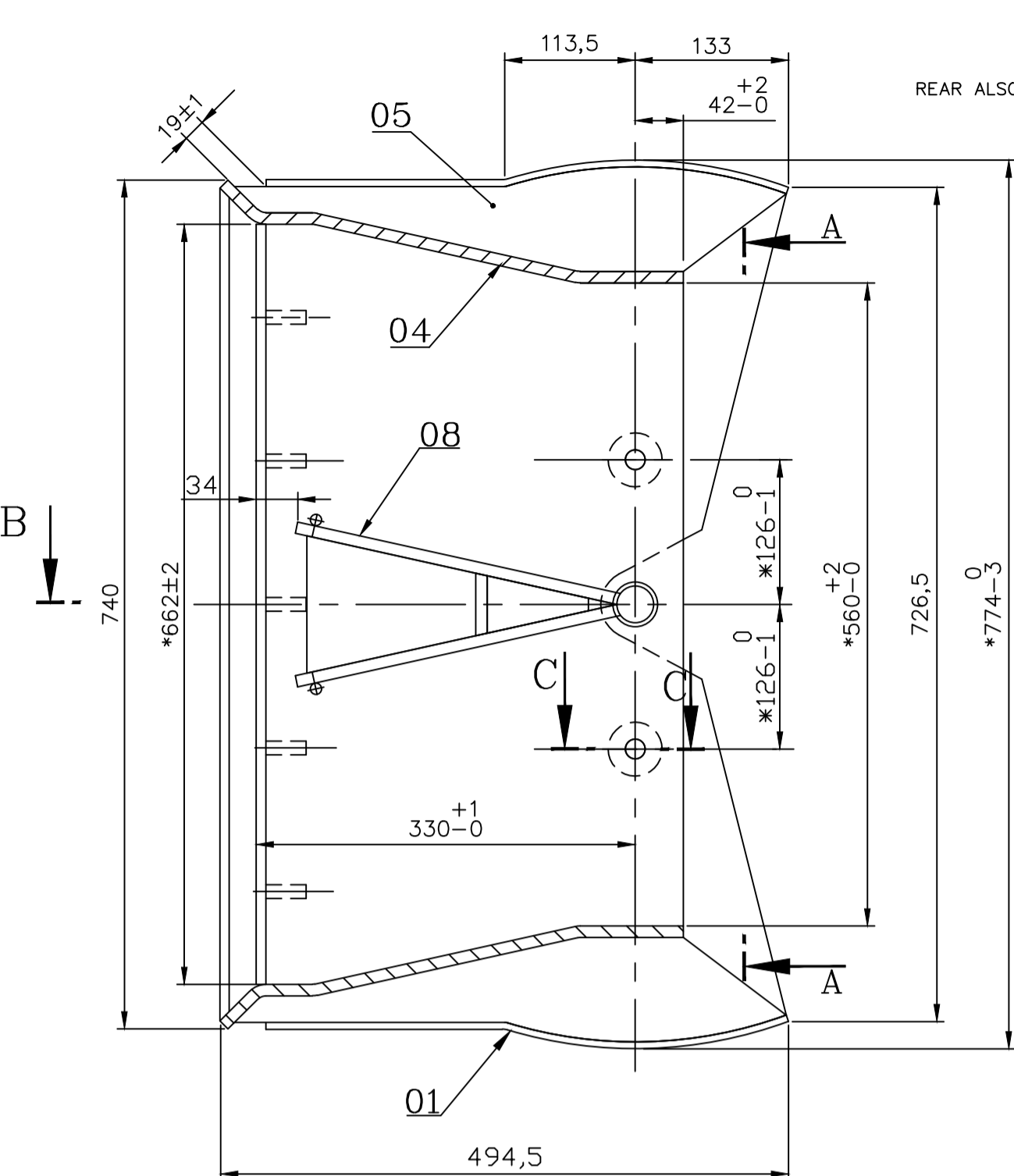
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REV: 00



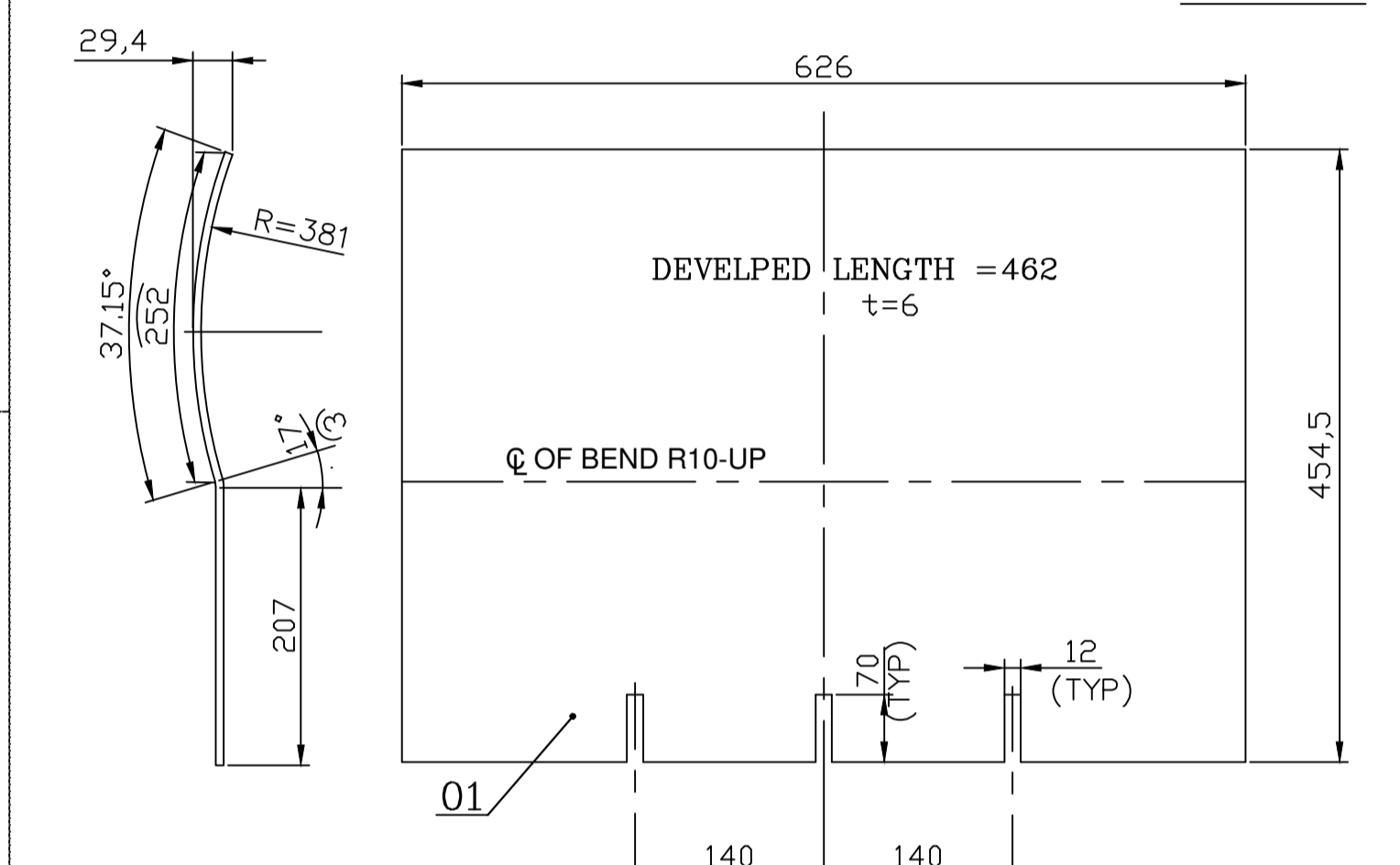
1-45-220-00943

SECTION - DD



D1 & D2 (DIAGONALS) TO BE WITH IN 1.5MM OF EACH OTHER.

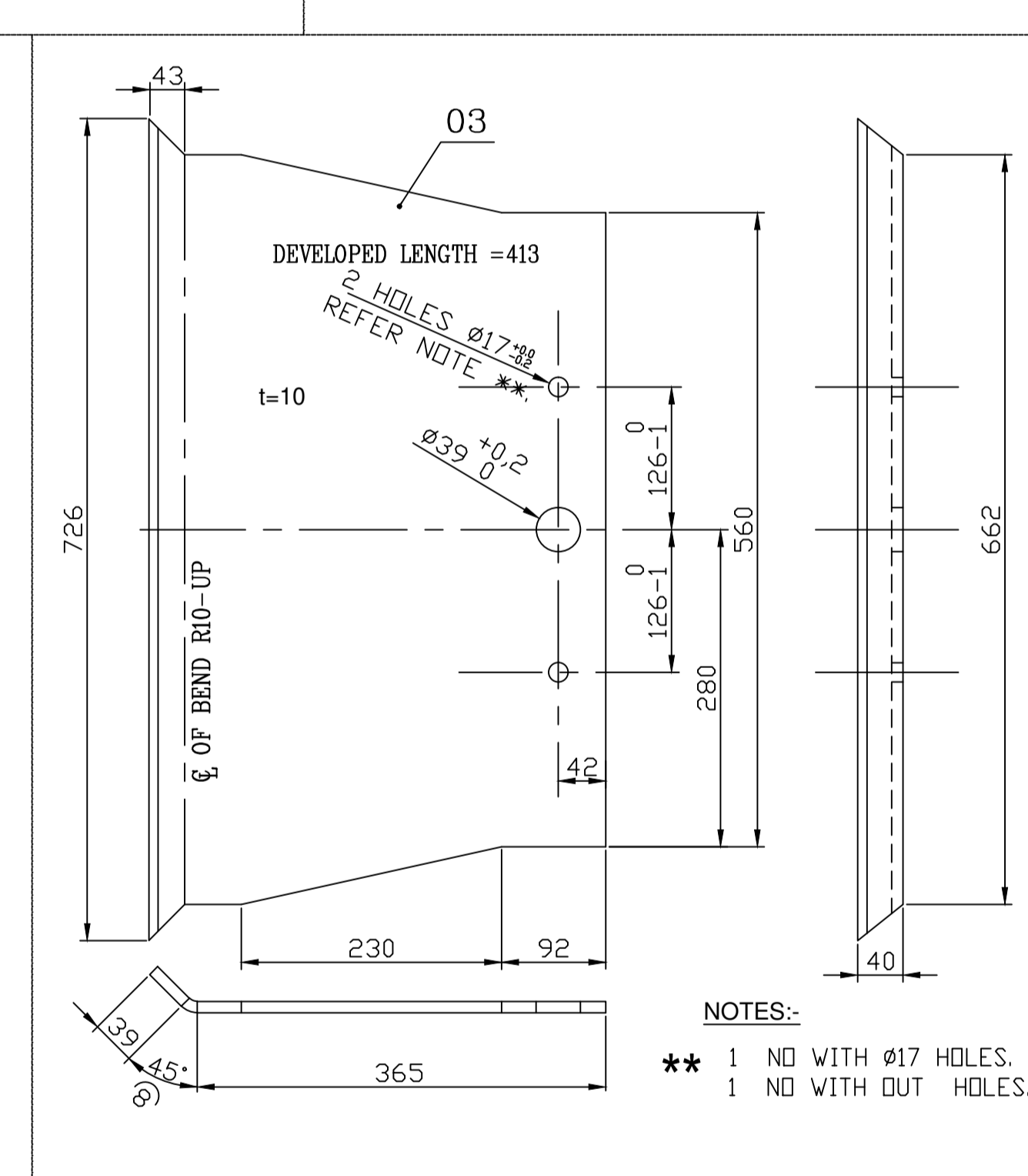
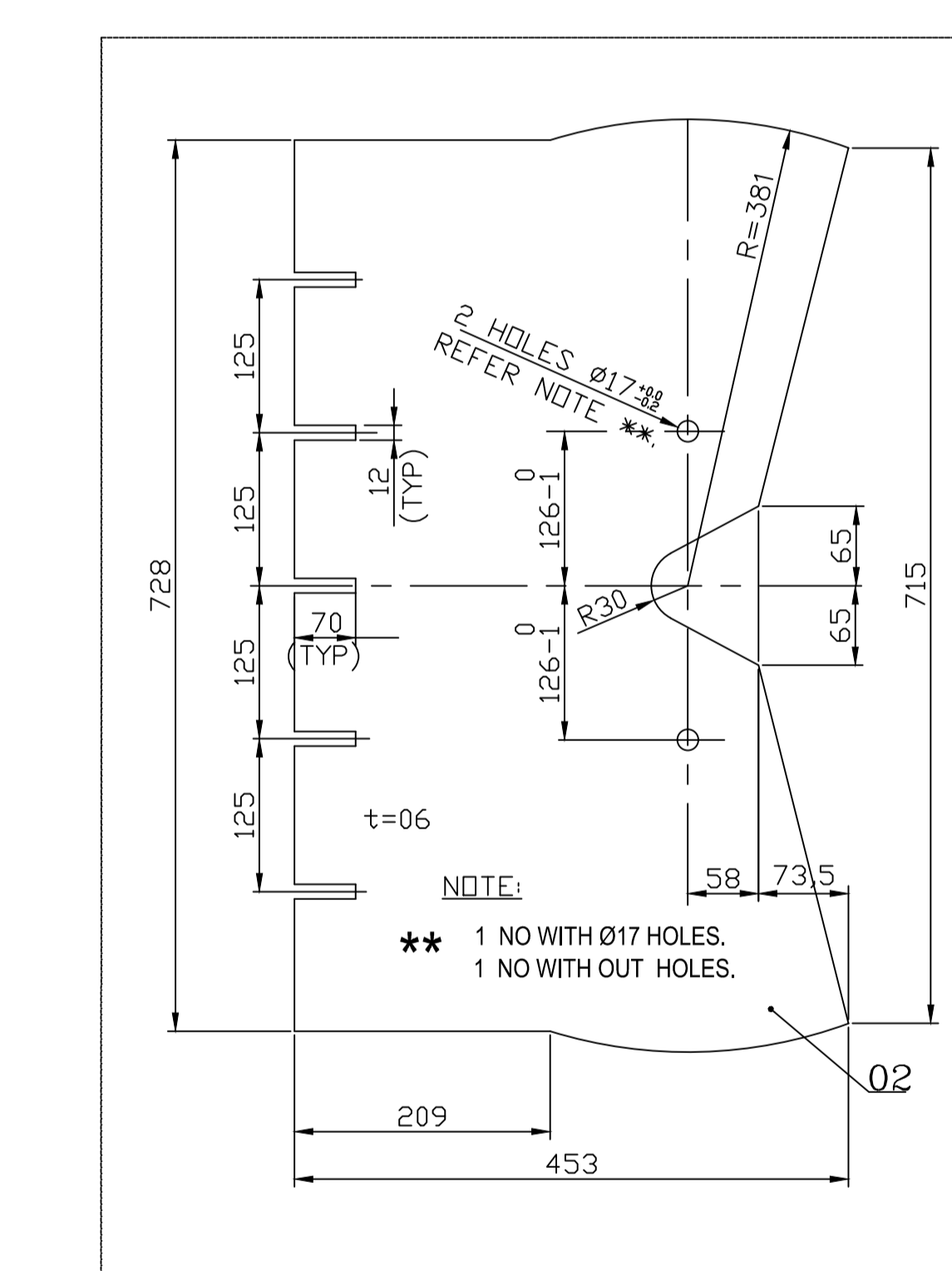
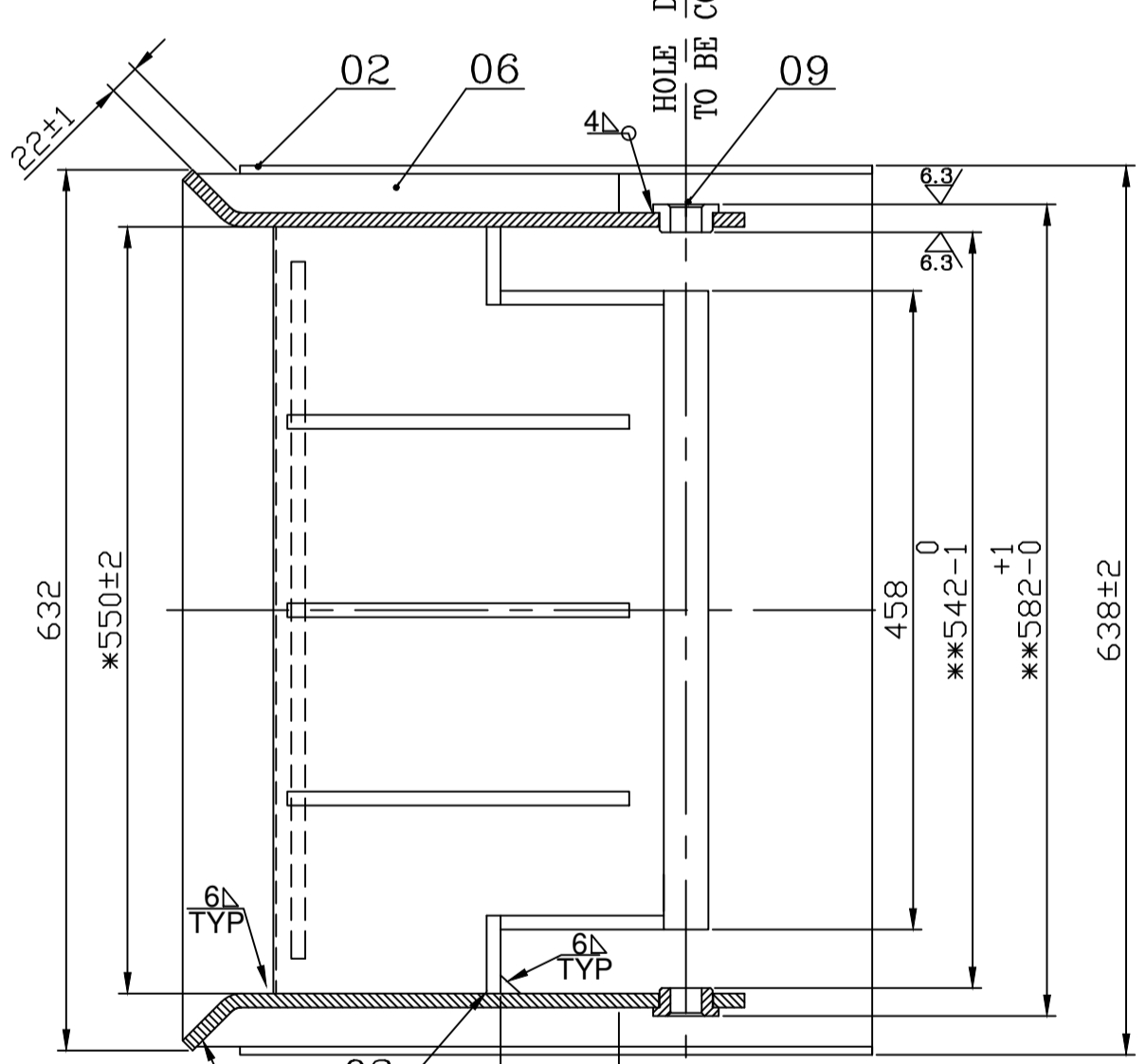
VIEW-AA



NOTES:  
 1.\*MOST CRITICAL DIMENSION.  
 2.DRILLED HOLES SHALL BE FREE OF BURRS.  
 3.FOR ALL WELDING USE APPLICABLE WPS.  
 4.FOR TOLERANCES REFER DRG.NO:1-45-220-00805.  
 5.FOR WELDING DETAIL REFER DRG.NO:4-45-00-00975.

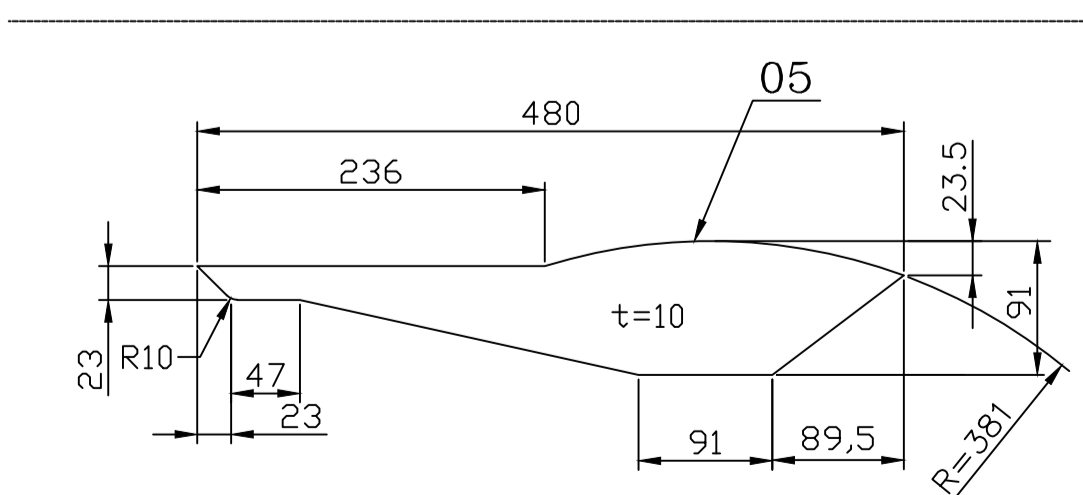
\* MOST CRITICAL DIMENSION  
 \*\* PVT. BRG. FACES MAY BE GROUND TO ACHIEVE REQD. DIMENSION.

HOLE DIA25 H11 OF ITEM NO 09 TO BE CO-AXIAL & ENSURED.

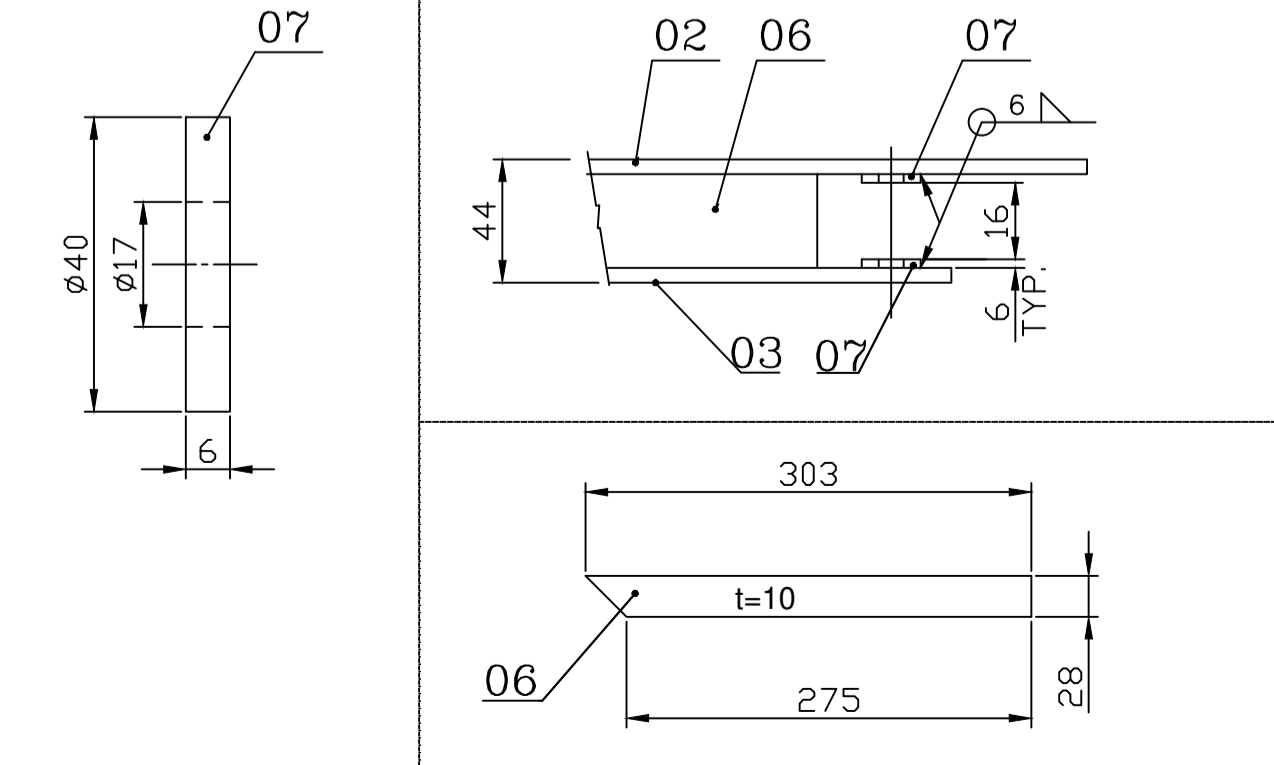


NOTES:-  
 \*\* 1 NO WITH Ø17 HOLES.  
 1 NO WITH OUT HOLES.

SECTION - BB



SECTION - CC



REV	DATE	ALTERED	BY	ZONE	REV	DATE	ALTERED	BY	ZONE	REV	DATE	ALTERED	BY	ZONE
06	25.1.12	CHD & APPD	GSK		04	27.07.02	CHD & APPD	R.SESHARAJAN		02	11.03.98	CHD & APPD	R.SESHARAJAN	
05	27.9.04	CHD & APPD	KRM		03	28.10.98	CHD & APPD	R.SESHARAJAN		01	19.2.98	CHD & APPD	R.SESHARAJAN	

VARIANT NUMBER	ITEM NUMBER	DESCRIPTION	STD	DRAWING NUMBER	ITEM NO	MATERIAL CODE	UNIT	QUANTITY	UNIT WEIGHT	ZONE
	09	CNT PIVOT BEARING		4-45-220-01262	15-024-159			0.170		
					SA 479 TYP304			02		
	08	VEE BLOCK-CNTIP		2-45-220-00998	15-011-741			31.988		
					WELDMENT			01		
	07	ROUND D40; 6			15-011-469			0.049		
					SA 240 TYP309			04		
	06	PL 10X303X28			15-011-469			0.647		
					SA 167 TYP309			10		
	05	PL 10X480X91			15-011-469			2.026		
					SA 167 TYP309			06		
	04	PL 10X615X418			15-011-469			18.466		
					SA 167 TYP309			02		
	03	PL 10X726X413			15-011-469			20.425		
					SA 167 TYP309			02		
	02	PL 6X762X453			15-011-741			14.271		
					SA 167 TYP309			02		
	01	PL 6X626X462			15-011-741			13.882		
					SA 167 TYP309			02		

TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT

Bharat Heavy Electricals Ltd  
 UNIT: HIGH PRESSURE BOILER PLANT  
 TIRUCHIRAPALLI - 620014

DRN: ANBU.K  
 CHD: R.SESHARAJAN  
 APPD: P.RAMREDDY

SIGNATURE: -sd-  
 DATE: 31.12.1997

SCALE: 1:5  
 NTS

WEIGHT (Kg): 185.238

REF TO ASSY / OLD DWG

TITLE: WIDE RANGE COAL NOZZLE TIP

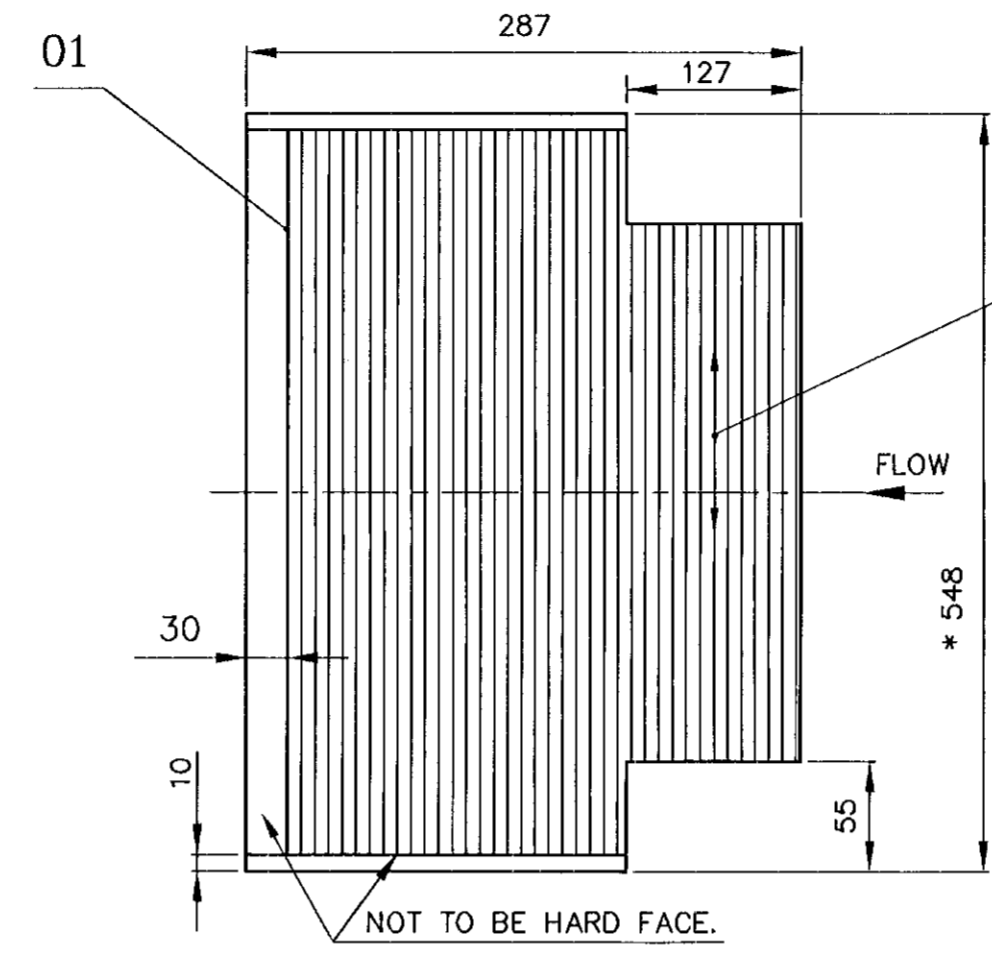
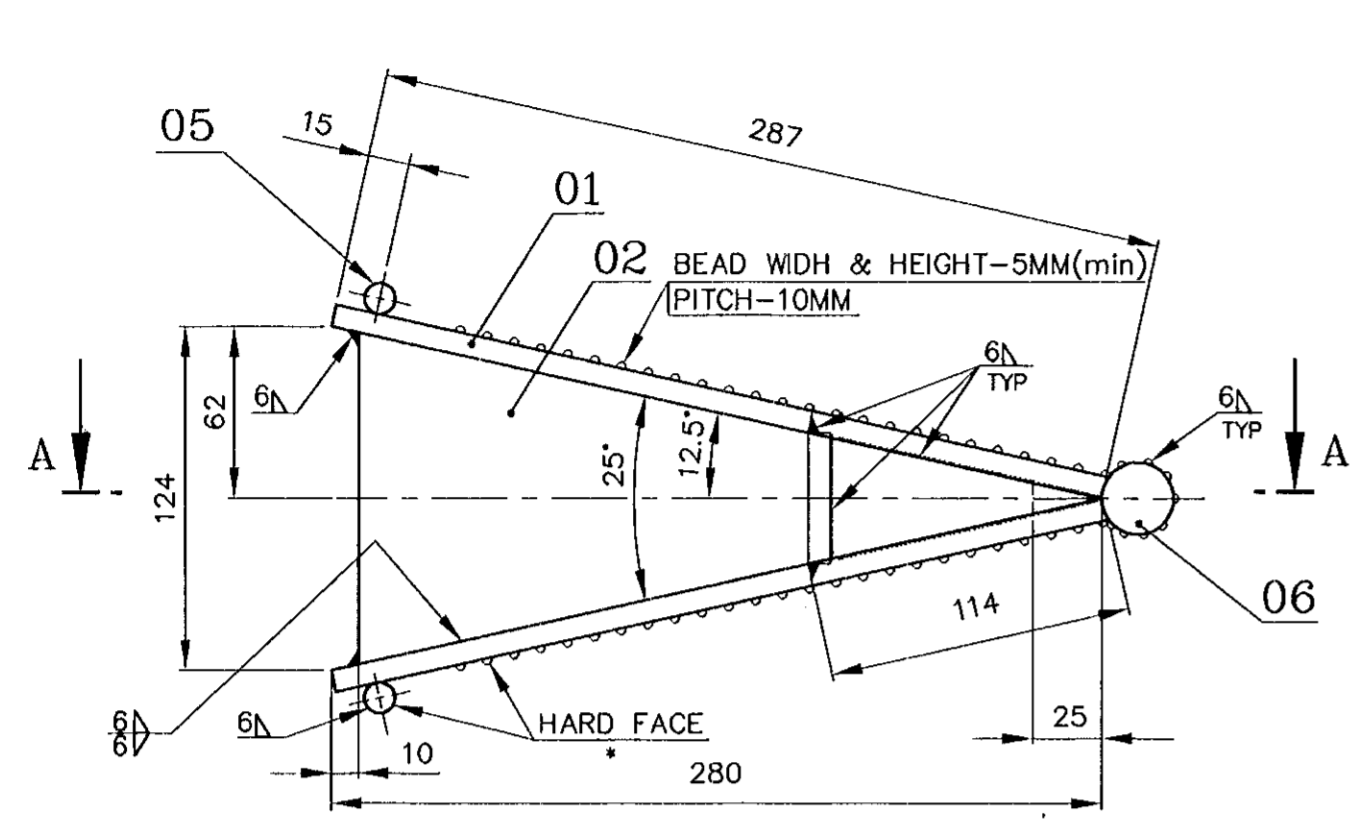
DRAWING NO: 1-45-220-00943

REV: 06

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2-45-220-00998  
DRAWING NO.

FOR TOLERANCES OF UNTOLERANCED DIMENSIONS DURING MANUFACTURE REFER PLANT STD. NO TP 023 0299

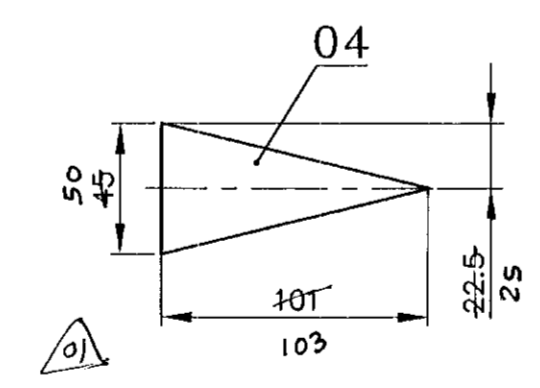
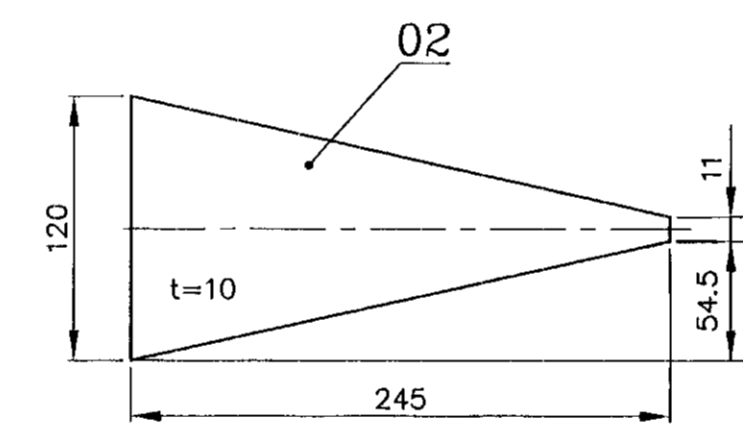
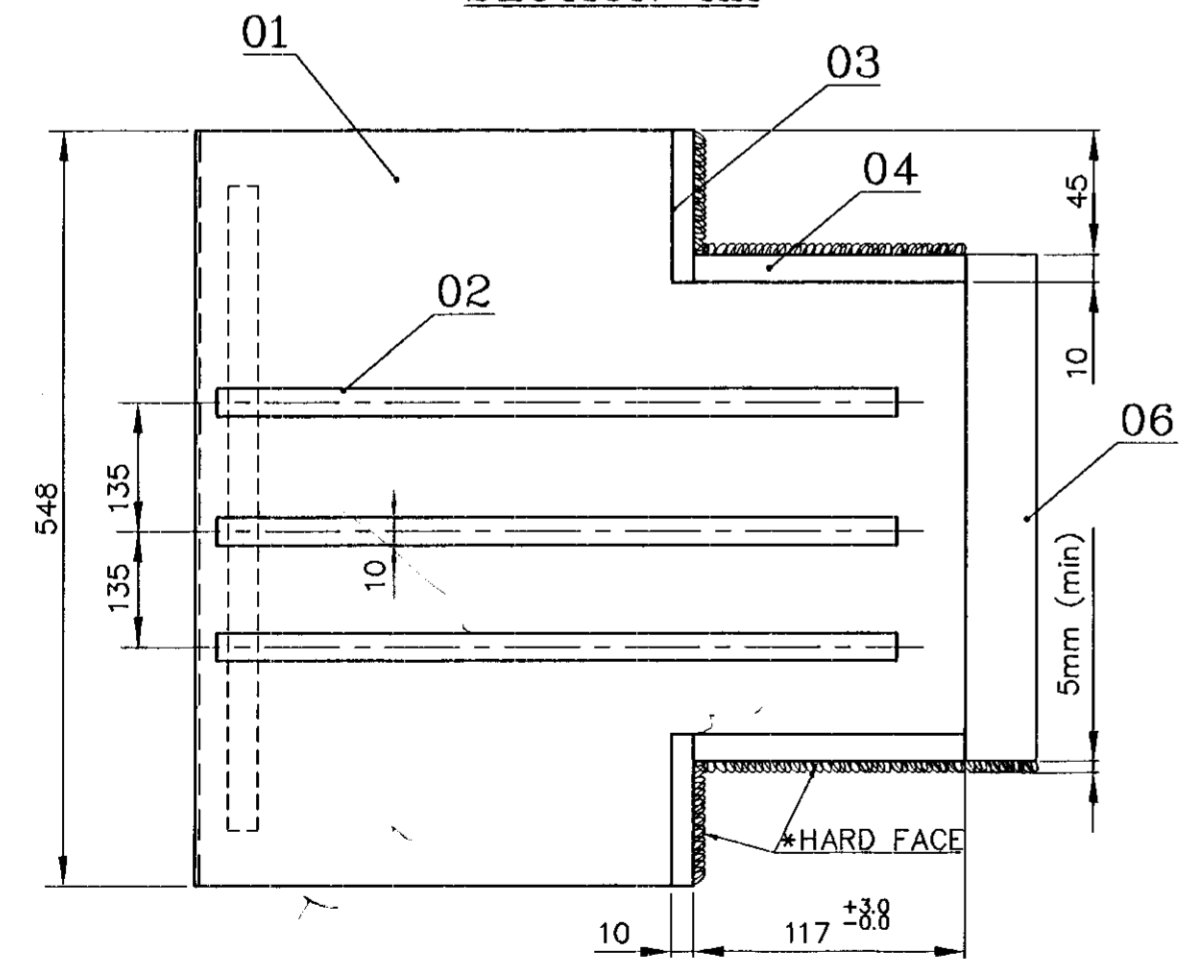


\* DIRECTION OF WELD LAY- L TO FLOW DIRECTION ONE SIDE ONLY.

NOTES: -

- 1. FOR ALL WELDINGS & FOR HARD FACING USE APPLICABLE WPS.
- 2. HARD FACING SHALL BE CARRIED TO ACHIEVE A HARDNESS OF 52-58 HRC.

SECTION-AA



VARIANT NUMBER	ITEM NUMBER	DESCRIPTION	STD	DRAWING NUMBER	ITEM NO	MATERIAL CODE	A/C/P	UNIT	UNIT WEIGHT	GS	ZONE
VAR NO	MATERIAL SPECN	DI	QUANTITY								
	06	ROD D32 ; 458				15 024 194			2.970		
						SA 479TYP.304			1		
	05	ROD D10 ; 500				15 024 130			0.310		
						SA 479TYP.304			2		
	04	PL.10 x 45 x 101 50 113				15 011 469			0.182		
						SA 167 TYP 309			2		
	03	PL.10 x 49 x 55 55				15 011 469			0.216		
						SA 167 TYP 309			2		
	02	PL.10 x 120 x 245				15 011 469			1.300		
						SA 167 TYP 309			3		
	01	PL.10 x 287 x 548				15 011 469			11.856		
						SA 167 TYP 309			2		

REV	DATE	ALTERED:	REV	DATE	ALTERED:
02	29/09/04	CHD&APPD: KRM.	01	18/5/99	CHD & APPD: R...
E5		MATL SPECN SA167TYP309 WAS SA240TYP309 MATL CODE 15 011 469 WAS 15 011 100.			FOR ITEM NO 03 & 04 DIMENSIONS ARE ALTERED.

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TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT

**Bharat Heavy Electricals Ltd**  
UNIT: HIGH PRESSURE BOILER PLANT  
TIRUCHIRAPALLI - 620014

DRN	NAME	SIGNATURE	DATE
CHD	SIVA P	P. Sivan	31/12/97
APPD	R.S.R	R.S.R	31/12/97
	P.R.R	M. R...	31/12/97

395-054

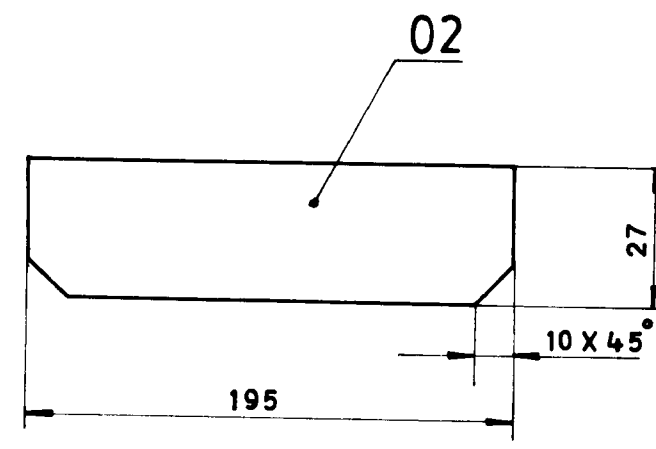
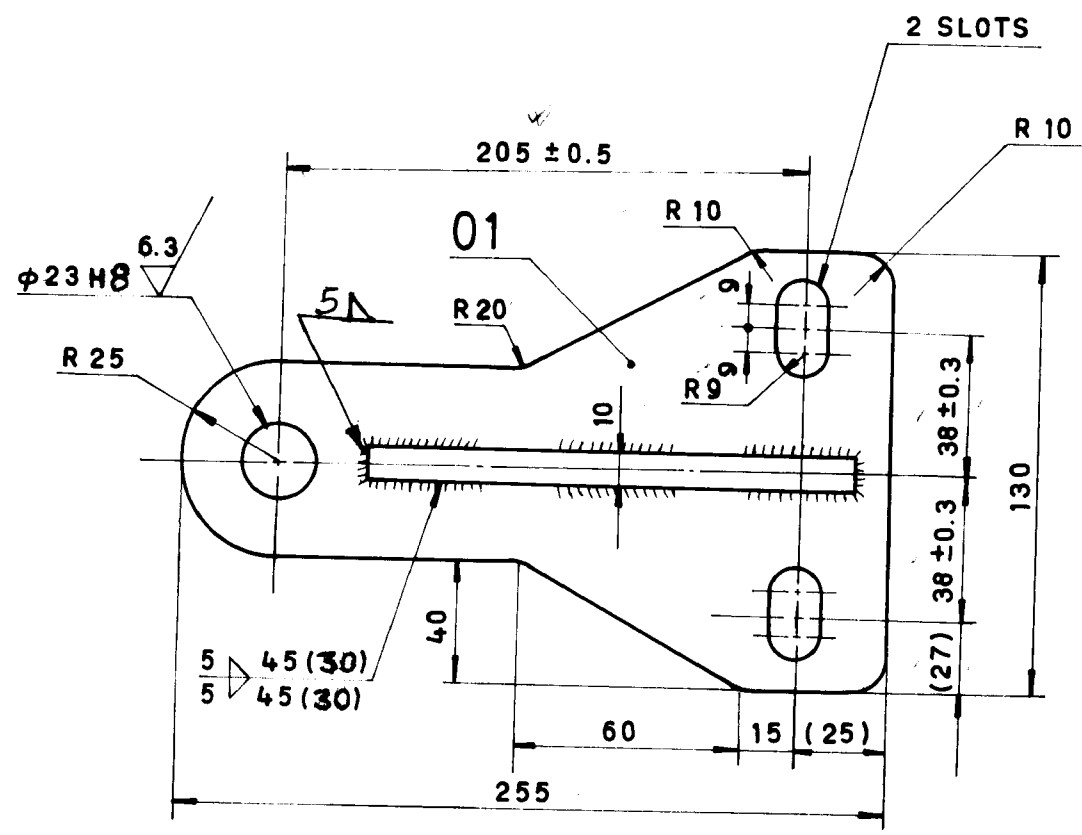
DEPT	ALL DIMENSIONS ARE IN MM	PROJECTION	SCALE	WEIGHT (Kg)	REF TO ASSY / OLD DWG
CC			N.T.S	31.998	
CODE					
129					

TITLE: **VEE BLOCK - CNTIP**

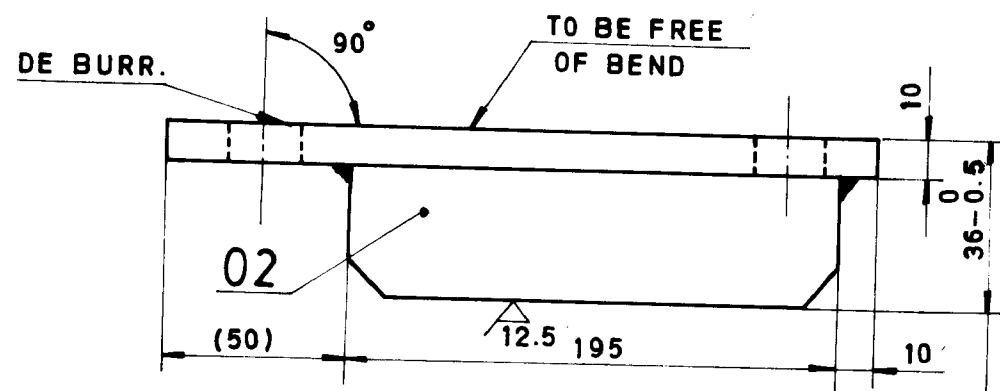
DRAWING NO: **2-45-220-00998** REV: **02**

61800 - 077 - 57 - 3  
DRAWING NO.

ALL DIMENSIONS ARE IN MILLIMETRES



SIZE	LOWER LIMIT	UPPER LIMIT
φ 23 H8	0	0.150



TO BE MACHINED  
AFTER WELDING

VAR NO.	ITEM NO.	DESCRIPTION	STD	DRAWING NO.	ITEM NO.	MATL CODE	A/C	UNIT	UNIT WT.	QTY.	CS
	02	PL. 10 X 27 X 195				15 - 011 - 098			0.400		
						IS 2062 Fe 410WA				1	
	01	PL. 10 X 130 X 255				15 - 011 - 098			1.400		
						IS 2062 Fe 410WA				1	

REV	DATE	ALTERED
01	25/12/97	CHECKED & APPD <i>Park</i>

MATL. SPEC. UPDATED.

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TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT

**BHARAT HEAVY ELECTRICALS LTD.**  
UNIT: HIGH PRESSURE BOILER PLANT.  
TIRUCHIRAPALLI-620014.

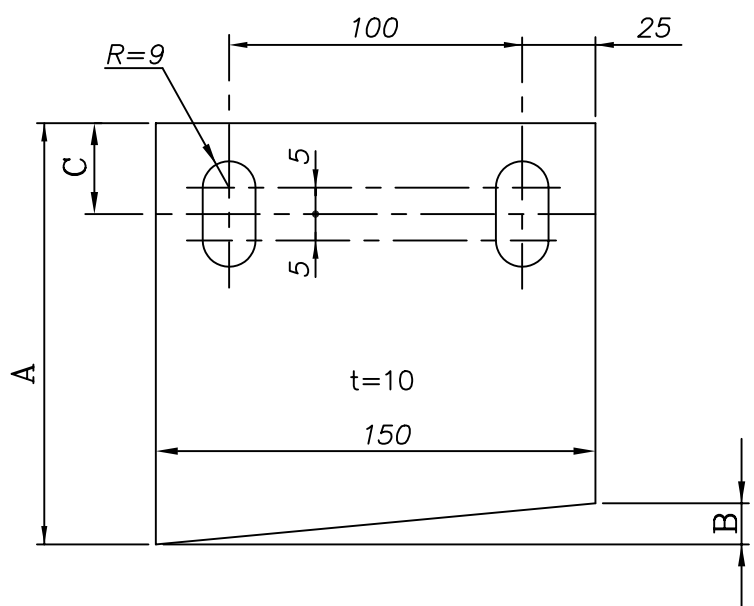
DRN: C.S.S.R. SIGN: *C.S. S.S.R.* DATE: 10/02/98  
CHD: S.D.B. SIGN: *(Signature)* DATE: 12/09/97  
APPD: P.R.R. SIGN: *(Signature)* DATE: 14/15/94

DEPT: CC GRADE OF UNTOL. DIM: SCALE: N.T.S. WEIGHT (KG): 1.800 REF. TO ASSY/OLD DRG.: - ITEM NO.: - NO. OF ITEMS: -

TITLE: CNT. SUPPT. BRACKET CARD CODE: U 01 DRAWING NO.: 3-45-220-00819 REV: 01

CAUTION: THE INFO ON THIS DOCUMENT IS THE PROPERTY OF BHEL. IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO THE INTEREST OF BHEL

REV 01	DATE 050388	ALTERED : CHD & APPD : CSS MKJK	REV 02	DATE 150489	ALTERED : CHD.&APPD CSS MKJK	FOR TOLERANCES OF UNTOLERANCED DIMENSIONS DURING MANUFACTURE REFER PLANT STD. NO TP 023 0299		
.. DIMN. "A" WAS 140 IN VAR.01			.. VAR.02 & 03 ADDED.					
REV 03	DATE 050989	ALTERED : CHD & APPD : PDM MKJK	REV 04	DATE 200197	ALTERED : CHD.&APPD KA MFB	REV 05	DATE 240306	ALTERED : CHD.&APPD CSS SVS
.. VAR.04 ADDED.			.. VAR.05 ADDED.			.. DRAWN IN AUTO-CAD.		



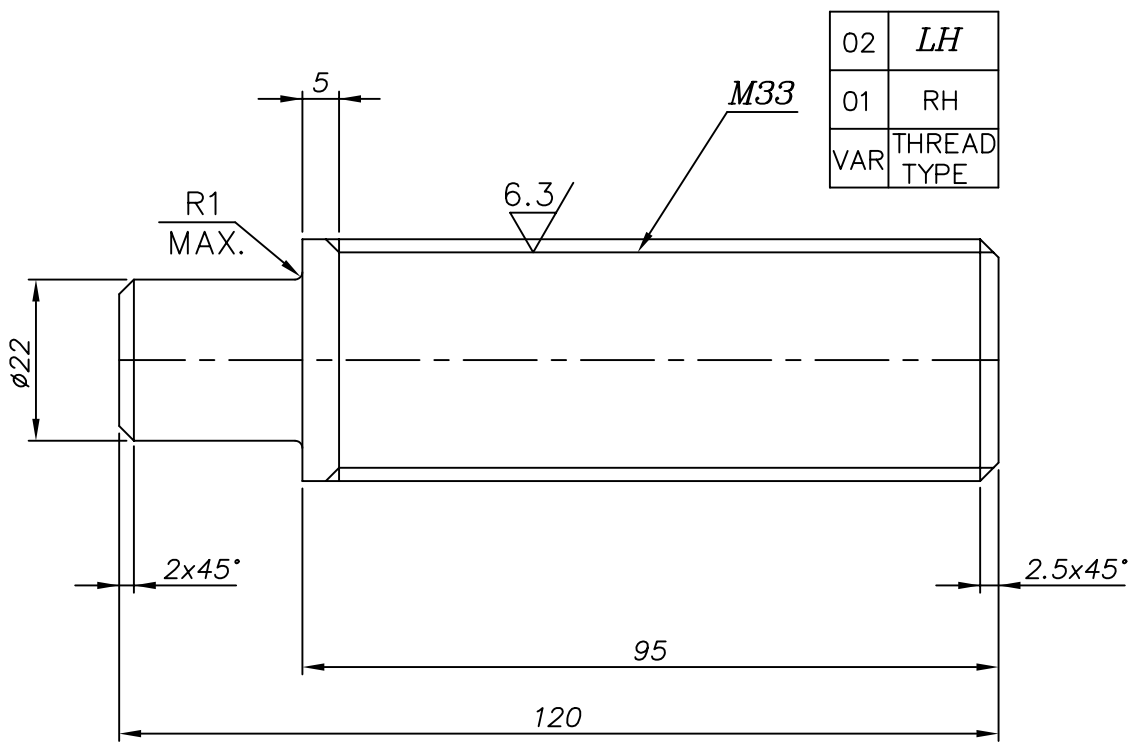
VAR	A	B	C	REMARKS
01	130	14	31	
02	136	9	31	
03	86	9	31	
04	82	9	31	
05	158	9	31	

VARIANT NUMBER	DESCRIPTION	STD	MATERIAL CODE	A/C/P	UNIT	UNIT WEIGHT
05	PL 10 x 158 x 150		150110980000			1.884
			IS 2062 GR.A			
04	PL 10 x 82 x 150		150110980000			1.100
			IS 2062 GR.A			
03	PL 10 x 86 x 150		150110980000			1.000
			IS 2062 GR.A			
02	PL 10 x 136 x 150		150110980000			1.600
			IS 2062 GR.A			
01	PL 10 x 130 x 150		150110980000			1.550
			IS 2062 GR.A			
			MATERIAL SPECN			QUANTITY



<p>355-056</p>	Bharat Heavy Electricals Ltd UNIT: HIGH PRESSURE BOILER PLANT TIRUCHIRAPALLI - 620014		DRN	NAME C.S.S.R	SIGNATURE -SD-	DATE 151287
			CHD	MKJK	-SD-	201287
			APPD	SN	-SD-	301287
DEPT FS	ALL DIMENSIONS ARE IN MM	PROJECTION 	SCALE NTS	WEIGHT (Kg) REF. BOM	REF TO ASSY / OLD DWG	
CODE 129					TITLE <b>FRONT NOZ. SUPPT. VERTICAL PLATE</b>	DRAWING NO : <b>4-45-000-00918</b>
						REV <b>05</b>

THE INFORM ON THIS DOCUMENT IS THE PROPERTY OF BHEL. IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO THE INTEREST OF BHEL.

REV	DATE	ALTERED :	CSS	REV	DATE	ALTERED.	CSS	FOR TOLERANCES OF UNTOLERANCED DIMENSIONS DURING MANUFACTURE REFER PLANT STD. NO TP 023 0299
01	031089	CHD & APPD :	MKJK	02	240306	CHD.&APPD	SVS	
.. DIMN 120 & 95 WERE 100&75. .. DIMN 5 NEWLY ADDED.				.. DRAWN IN AUTO-CAD.				



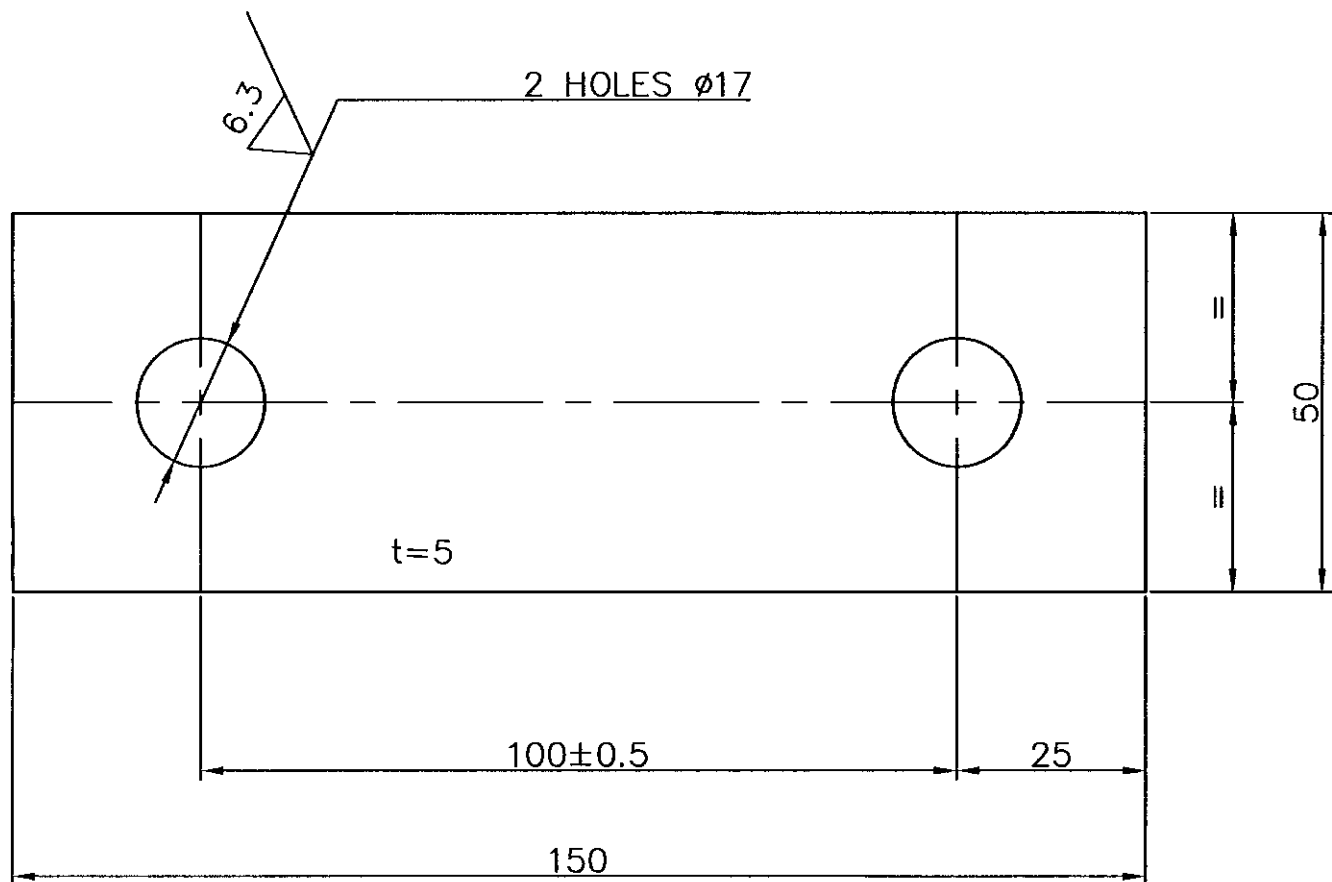
02	DIA 33 ; 120	STD	153392800000	A/C/P	UNIT	0.600
			SA 105			
01	DIA 33 ; 120	STD	153392800000	A/C/P	UNIT	0.600
			SA 105			
VARIANT NUMBER	DESCRIPTION	STD	MATERIAL CODE	A/C/P	UNIT	UNIT WEIGHT
			MATERIAL SPECN			QUANTITY

 355-056	Bharat Heavy Electricals Ltd UNIT: HIGH PRESSURE BOILER PLANT TIRUCHIRAPALLI - 620014		DRN	NAME CSSR	SIGNATURE -SD-	DATE
			CHD	MKJK	-SD-	141288
			APPD	SN	-SD-	151288
DEPT FS	ALL DIMENSIONS ARE IN MM	PROJECTION 	SCALE 1:1	WEIGHT (Kg) 0.600	REF TO ASSY / OLD DWG	
CODE 129	TITLE <b>STUD-REACH ROD</b>				DRAWING NO : <b>4-45-000-00962</b>	REV <b>02</b>


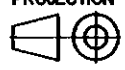
FIRST ANGLE PROJECTION (ALL DIMENSIONS IN MILLIMETRES)

CAUTION: THE INFO ON THIS DOCUMENT IS THE PROPERTY OF BHEL IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO THE INTEREST OF BHEL

REV 01	DATE 25.12.97	ALTERED : -sd- CHD & APPD : -sd-	REV 02	DATE 21.02.04	ALTERED : V.R.R CHD & APPD : K.R.M
MATL. SPEC. UPDATED.			PREPARED IN AUTOCAD		

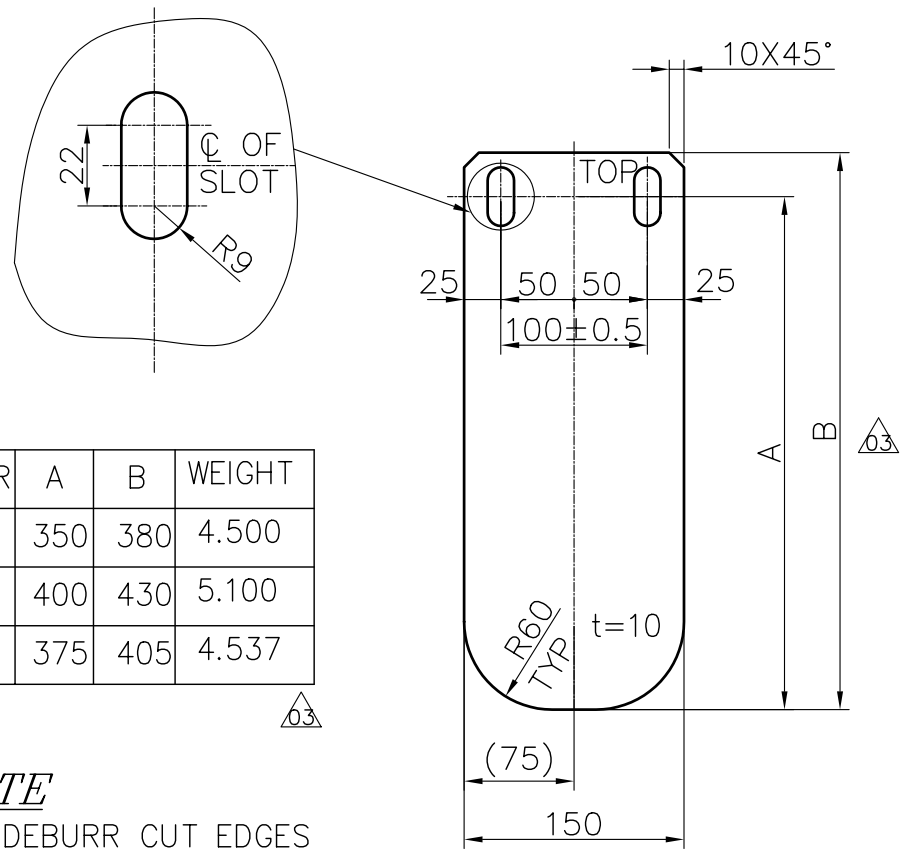


VARIANT NUMBER	DESCRIPTION	STD	15 011029	A/C/P	UNIT	0.300
			IS2062Fe410WA			UNIT WEIGHT
			MATERIAL CODE			QUANTITY
			MATERIAL SPECN			

 355-056	Bharat Heavy Electricals Ltd UNIT: HIGH PRESSURE BOILER PLANT TIRUCHIRAPALLI - 620014		DRN	C.S.S.R	SIGNATURE	-sd-	DATE	02.04.85
			CHD	K.M.P				
			APPD	K.M.P				04.04.85
DEPT	FS	ALL DIMENSIONS ARE IN MM	PROJECTION		SCALE	N.T.S	WEIGHT (Kg)	0.300
CODE							REF TO ASSY / OLD DWG	
TITLE						DRAWING NO :		REV
CN SUPPT. PL. WASHER						4-45-220-00713		02

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REV 01	DATE 12/2/94	ALTERED : C.S.S.R CHECKED : S.D.B	REV 02	DATE 25/12/94	ALTERED : -sd- CHECKED :-sd-	REV 03	DATE 23/3/05	ALTERED : K.R.M CHECKED : S.D.B
TITLE WAS REAR NOZZLE SUPPOT. VAR.NO: 02 ADDED.			MATL.SPEC. UPDATED FOR ALL VARIANT.			VAR.NO-03 ADDED VAR TABLE ADDED		



VAR	A	B	WEIGHT
01	350	380	4.500
02	400	430	5.100
03	375	405	4.537

**NOTE**  
DEBURR CUT EDGES

VARIANT NUMBER	DESCRIPTION	STD	MATERIAL CODE	A/C	UNIT	UNIT WEIGHT
03	PL.10X150X405		15-011-098			4.537
			IS2062 FE410WA			01
02	PL.10X150X430		15-011-098			5.100
			IS2062 FE410WA			01
01	PL.10X150X380		15-011-098			4.500
			IS2062 FE410WA			01

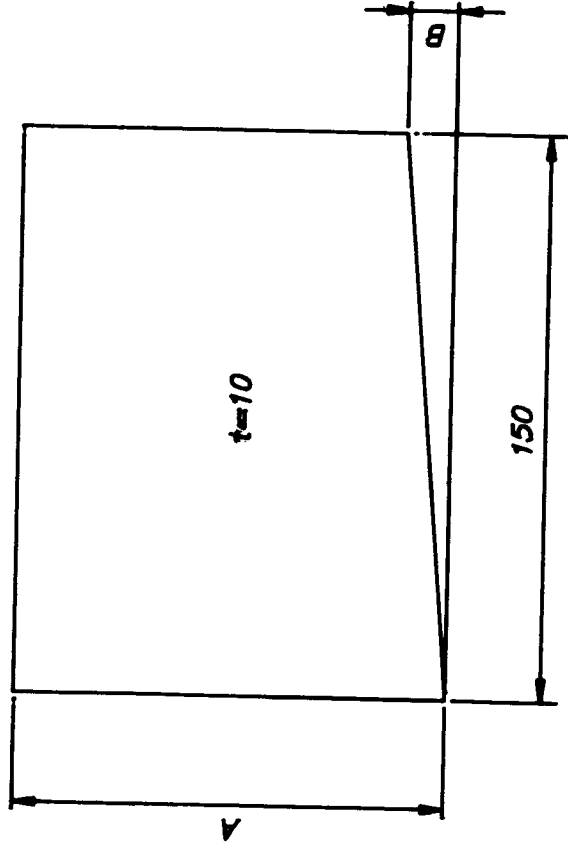
		Bharat Heavy Electricals Ltd UNIT: HIGH PRESSURE BOILER PLANT TIRUCHIRAPALLI - 620014		DRN	C.S.S.R	SIGNATURE	-Sd-	DATE	NO. OF VAR	
				CHD	K.M.P	SIGNATURE	-Sd-	DATE		
				APPD	K.M.PANICKER	SIGNATURE	-Sd-	DATE		11/1/86
DEPT FS	GRADE OF UNTOL. DIM C/M/F	SCALE 1:5	WEIGHT (Kg)	REF TO ASSY / OLD DWG			ITEM NO	No OF ITEMS		
TITLE				CARD CODE	DRAWING NO :				REV	
COAL NOZZLE SUPPORT				U 01	4-45-220-00740				03	

CAUTION: IT MUST NOT BE USED SEPARATELY OR PARTIALLY IN ANY WAY DETRIMENTAL TO THE INTEREST OF BHEL.

REV	DATE	ALTERED :	BY :	REV	DATE	ALT :
01	12.02.94	Checked :	Shankar	02	25/12/99	K.S.
.. VAR-NO.02 ADDED				CHD & APPD: <i>Prabir</i>		

MATL. SPEC UPDATED FOR ALL VARIANT.

VAR NO.	A	B	REMARK
01	113	13	
02	158	13	



02	PL 10x150x158	15 011098	2.000
		15 2062 Fe. 410 WA	.01
01	PL.10X113X150	15 011 098	1.500
		15 2062 Fe. 410WA	.01
VAR NO.	DESCRIPTION	MATERIAL CODE	UNIT WEIGHT
			QUANTITY

		<b>Bharat Heavy Electricals Ltd</b> UNIT: HIGH PRESSURE BOILER PLANT TIRUCHIRAPALLI - 620014		DSN CSD APPD	NAME V.V MKU PRR	SIGNATURE <i>V.V</i> <i>Shankar</i> <i>Prabir</i>	DATE 30.06.92 30/6/92	NO. OF VAR
DEPT CC CODE 129	GRADE OF UNIVL. DIA C/M/F	SCALE 1:2	WEIGHT (Kg) REF. BOM	REF TO ASSY / OLD DWS	FROM NO	NO. OF ITEMS	DRAWING NO : <b>4-45-220-01172 02</b>	REV
TITLE <b>FRONT NOZ. SUPPT.          VERTICAL PLATE</b>			OWS CODE U 01	DRAWING NO : <b>4-45-220-01172 02</b>				REV

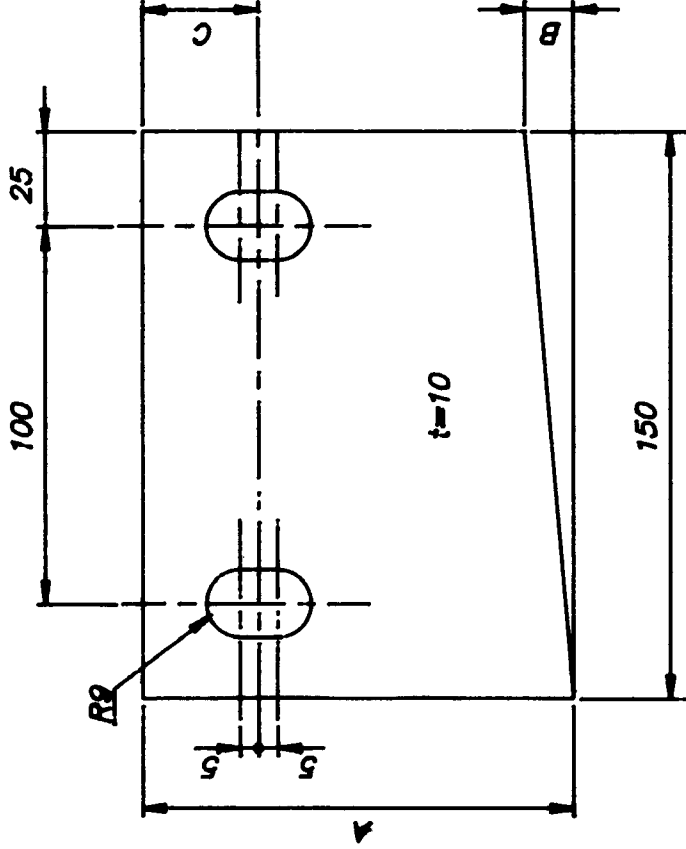
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REV	DATE	ALTERED BY	DATE	REV	DATE	ALT. BY
01	12/02/94	Checked	25/12/94	02	25/12/94	Chd & Appd. <i>Prabir</i>

.. VAR. NO. 02 ADDED

MATL SPEC. UPDATED FOR ALL VARIANTS.

VAR NO.	A	B	C	REMARKS
01	105	13	31	
02	150	13	31	



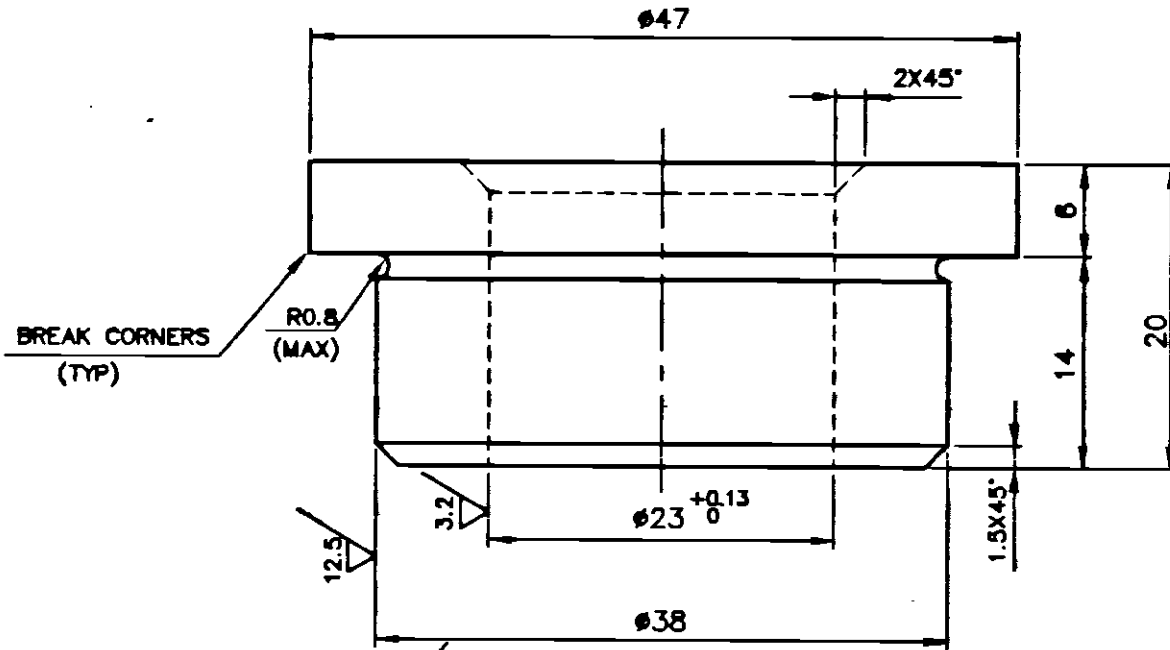
02	PL 10x150x150	15 011098	2.000
		15 2062 Fe 410WA	
01	PL 10x105x150	15 011 098	1.500
		15 2062 Fe 410WA	7
VAR. NO.	DESCRIPTION	MATERIAL CODE	UNIT WEIGHT
		MATERIAL SPECN	QUANTITY

		Bharat Heavy Electricals Ltd UNIT: HIGH PRESSURE BOILER PLANT TIRUCHIRAPALLI - 620014		NAME KV	SIGNATURE <i>V.V.V.</i>	DATE 30/6/92	NO. OF VAR
DFT CC CODE 129	GRADE OF UNTOL. DIM C/M/F	SCALE 1:2	WEIGHT (Kg) REFER BOM	DIV MKJ	CHK PRR	APPD <i>Prabir</i>	NO. OF ITEMS
TITLE <b>FRONT NOZ. SUPPL.                  VERTICAL PLATE</b>			DRAWING NO : <b>4-45-220-01173 02</b>	REF TO ASBY / OLD DWS 		ITEM NO	REV

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REV	DATE	ALTERED :
01		CHD & APPD :

ALL DIMENSIONS ARE IN MM  
FOR TOLERANCES OF UNTOLERANCED  
DIMENSIONS DURING MANUFACTURE  
REFER RELEVANT QCP / QP



VARIANT NUMBER	DESCRIPTION	STD	A/C	UNIT	15 024 159	0.170
					SA 479 TY304	01
					MATERIAL CODE	UNIT WEIGHT
					MATERIAL SPECN	QUANTITY



Bharat Heavy Electricals Ltd  
UNIT: HIGH PRESSURE BOILER PLANT  
TIRUCHIRAPALLI - 620014

DRN	NAME	SIGNATURE	DATE	NO. OF VAR
CHD	ANBU.K	<i>[Signature]</i>	21/12/97	
APPD	R.S.R	<i>[Signature]</i>	21/12/97	
	P.R.R	<i>[Signature]</i>	31/12/97	

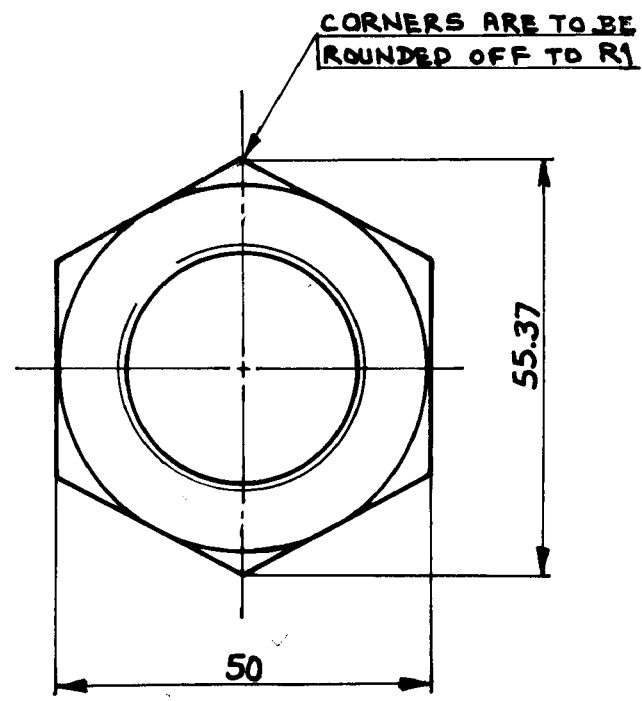
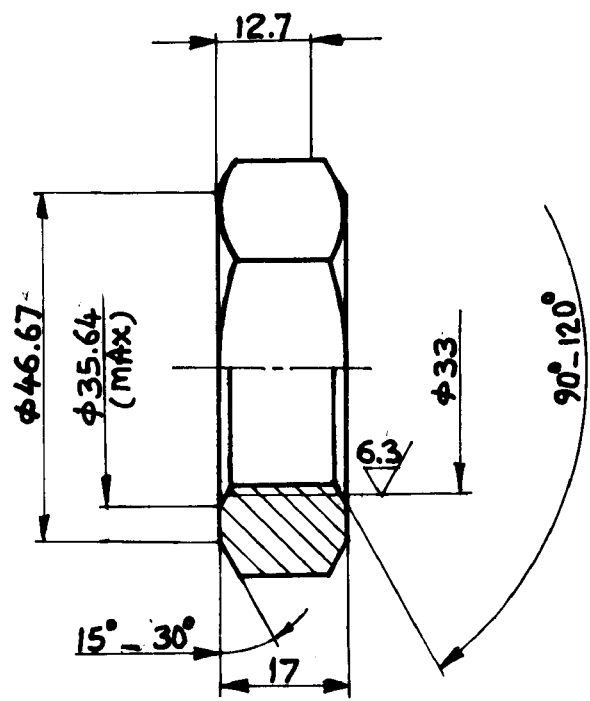
DEPT	CC		SCALE	WEIGHT (Kg)	REF TO ASSY / OLD DWS	ITEM NO	No OF ITEMS
CODE	129		NTS	0.170			
TITLE				CARB CODE	DRAWING NO :	REV	
CNT PIVOT BEARING				U OF	4-45-220-01262	00	

FIRST ANGLE PROJECTION (ALL DIMENSIONS ARE IN MILLIMETRES)

05-249/C

REV.	DATE	ALTERED	REV.	DATE	ALTERED
O1		CHECKED	O2		CHECKED

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**NOTE:**

THREAD : M33 x 3.5 (PITCH), TO BE AS PER BHEL PLANT STD.

1212 469

L.H.	02	AF 50;17	15 339 143	0	145
R.H.	01	AF 50;17	15 339 143	0	145
THREAD TYPE	VARIANT NO.	DESCRIPTION	MATL. CODE	UNIT	UNIT WT
			MATL. SPEC.	DI	QTY.

		<b>Bharat Heavy Electricals Ltd.,</b> BOILER PLANT UNIT TIRUCHIRAPALLI - 620 014		NAME DRN <b>C.S.S.R.</b>	SIGN <i>C.S.S.R.</i>	DATE <b>28.09.89</b>
DEPT <b>CC</b>	GRADE OF TOL DIM. <b>R/M/X</b>		SCALE <b>1:1</b>	WEIGHT (kg.) <b>-</b>	REF. TO ASSY./OLD DRG.	ITEM NO.
CODE <b>129</b>	TITLE <b>THIN NUT M 33</b> (FOR REACH ROD)		CARD CODE <b>U 01</b>	DRAWING NO. <b>4.45.000.00991</b>	REV.	

Size A4