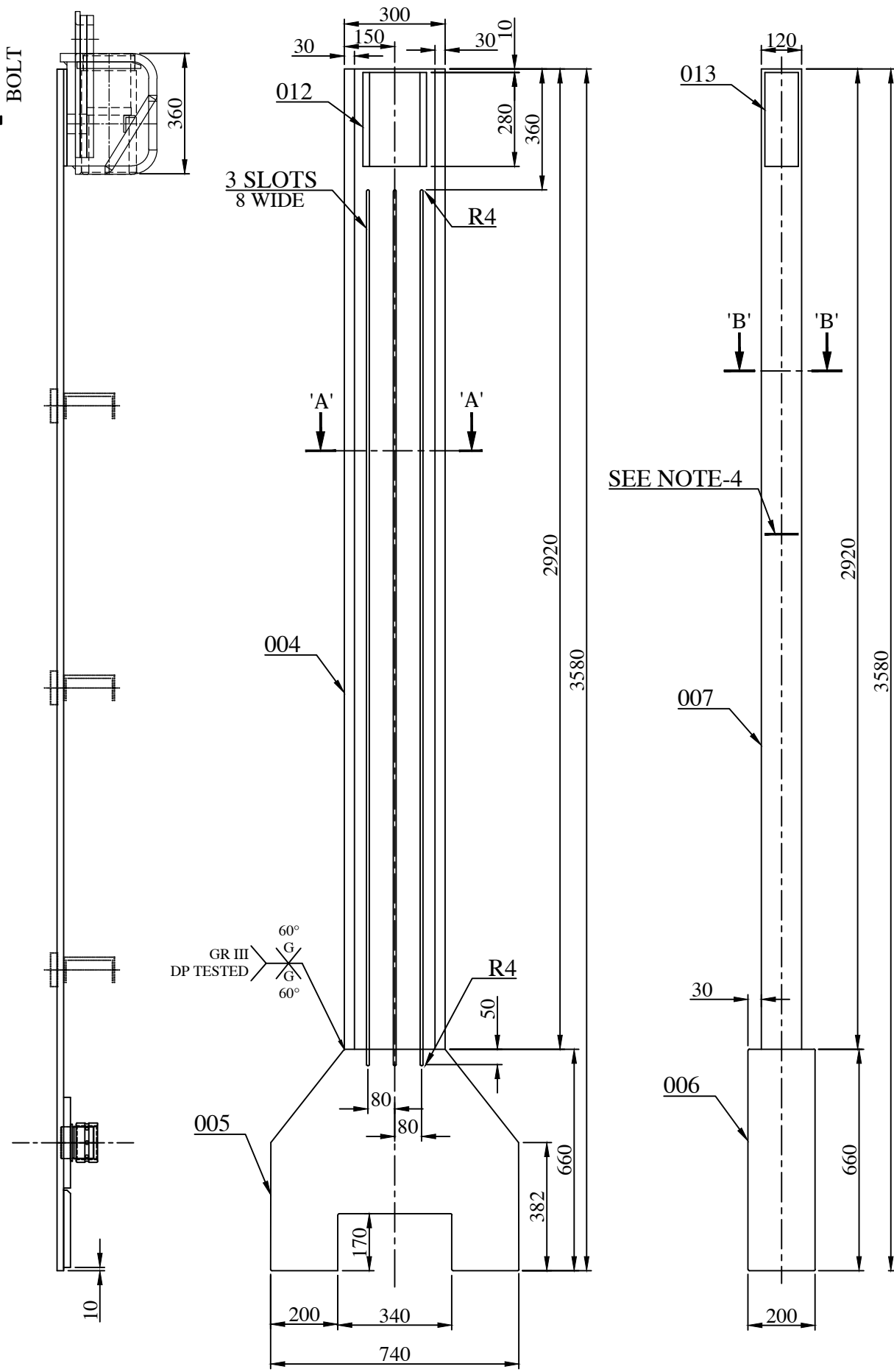


B I L L O F M A T E R I A L				DEP NO	NO OF IT	VAR	TYPE OF PRODUCT				W O R K O R D E R		DRG NO	CORE CODE		REV	SHT NO 1      O F    1			
				406	12	0					500MVA 3PH AUTO TRF.				60213A51201				34647000396	65170700
TITLE																		TOP END FRAME H.V.SI		
DU	VAR03	VAR02	VAR01	VAR00	REMARKS	IT NO	DESCRIPTION						DRAWING NO	IT.	MATCODE	A	UT	UNIT	WT	G / S
							MAT SIZE						DETAILS	VAR	MAT SPEC	/		QTY	ZONE	
				00001		001	LV CLAMP PLATE						14647000183				KG	1300.000		
							TK	WDT	LEN	ID	OD	DIM1		00						
				00001		002	HV CLAMP PLATE						14647000183				KG	1300.000		
							TK	WDT	LEN	ID	OD	DIM1		01						
				00001		003	H.V. TOP END FRAME						24647000098				KG	2747.100		
							TK	WDT	LEN	ID	OD	DIM1		00						
				00001		004	L.V. TOP END FRAME						24647000098				KG	2785.000		
							TK	WDT	LEN	ID	OD	DIM1		01						
				00004	A=900,B=770	005	MAIN FOOT ASSY						34997000029				KG	58.040		
							TK	WDT	LEN	ID	OD	DIM1		00						
				00002	L=980,W=185,D=40	006	YOKE CLAMP END TIE PLATE						34997000030				KG	39.280		
							TK	WDT	LEN	ID	OD	DIM1		00						
				00002	A=1374, HOLE DIA 38 TO BE 32	007	TOP LOCKING BEAM AUX.40TK. HTS						34997000098				KG	77.300		
							TK	WDT	LEN	ID	OD	DIM1		00						
				00009	A=1374,C=82.4,L=1400,B=235,D=300 HOLE DIA 38 TO BE 32	008	MAIN TOP CROSS BEAM 40TK.HTS						34997000096				KG	78.820		
							TK	WDT	LEN	ID	OD	DIM1		01						
				00004	A=900,B=190,C=184,N=3	009	AUX.FOOT ASSY.						34997000040				KG	54.320		
							TK	WDT	LEN	ID	OD	DIM1		00						
				00004	FOR AUX LEG	010	LIFTING PIN ASSY. DIA 67						24997000047	005			KG	2.600		
							TK	WDT	LEN	ID	OD	DIM1		02						
				00006	FOR MAIN LEG	011	LIFTING PIN ASSY. DIA 95						24997000047	012				2.600		
							TK	WDT	LEN	ID	OD	DIM1								
						012														
							TK	WDT	LEN	ID	OD	DIM1								

9550.1

DISTRIBUTION DETAILS						REV NO. 0		PREP BY		CKD BY		APPD BY		DATE	
TRE	TRM	TRX	FTM	QC		PREP BY		CKD BY		APPD BY		DATE			
1	3		6			SKC		GK		LK		17 JUL 2021		DRG NO 34647000396	
														SHT 1 OF 1	

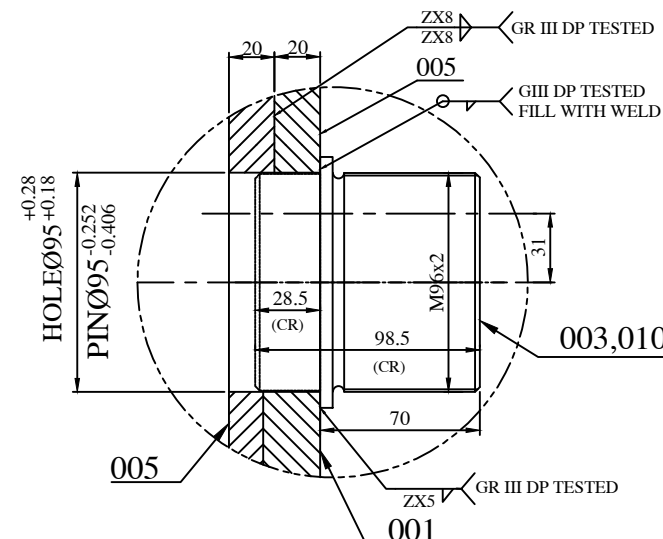
SIGN. DATE	REF. DRG. NO.
------------	---------------



## SECTION-'AA'

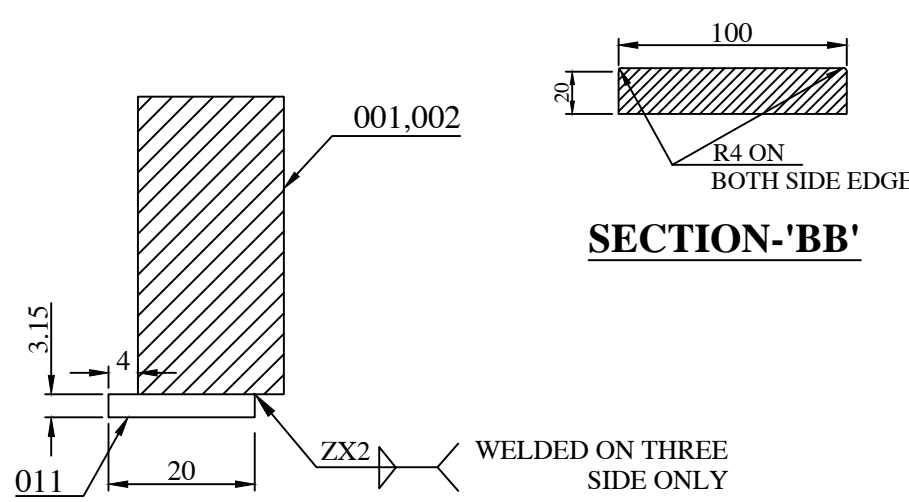
NOTES:—

01. FOR DELINK BOM REFER BOM NO. 1 464 70 00183.  
02. THIS ARRANGEMENT IS FOR BOTH HV SIDE CLAMP PLATE VAR 00 AND  
LV SIDE CLAMP PLATE VAR 01.  
03. REFER SL. 005 OF DRG. 34997000093 FOR MAKING SLOTS.  
04. FOR ALL OTHER NOTES REFER DRG. NO. 34997000093 & 34997000095.

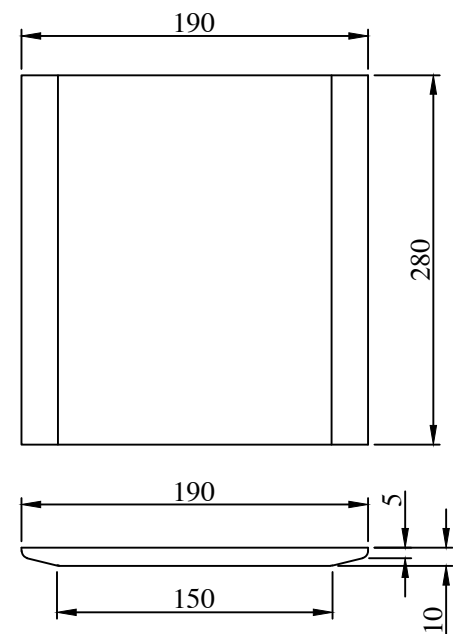


PIN IT. 010 FOR FURTHER  
DETAILS REFER DRG.  
NO. 349981000439 IT. 001

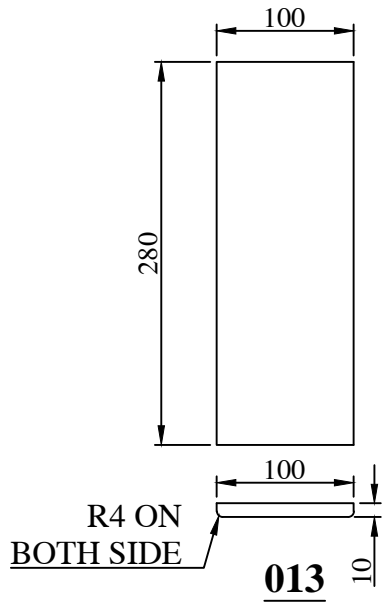
### DETAIL-C




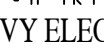
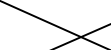
## SECTION-'BB'



012



**013**

ADDITIONAL INFORMATION W.O. 60213-A-512-01			उपार्थक का प्रकार या मादक परिचयोजना का नाम 500 MVA,400/220/33KV,3 PH. AUTO TRANSFORMER					
STATUS OF DRAWING 'U'			TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT M/S PGCIL					
DISTRIBUTION OF PRINTS TRE-1 TRM-3			 भारत हेवी इलेक्ट्रिकल्स लिमिटेड भोपाल BHARAT HEAVY ELECTRICALS LTD. BHOPAL				नाम NAME हस्ताक्षर दि. DATE केर की संख्या NOOFVAR	
			जवाब का प्रमाण स्वरूप अप्रो		SKC		20.07.21	
					LK		22.07.21	
					GK		24.07.21	
REV	DATE	ALTERED CHECKED APPROVED	विभाग ड्राइंग रीट्रिब्यूट कोड 406		SCALE अनुपात NTS	भार की वजन WEIGHT(kg) SEE TABLE	उपरो. डाईगिंग का संदर्भ REF TO ASSY DRWG	माद की नं. ITEM NO.
ZONE			शीर्षक/TITLE	DRAWING NO. 1 464 70 00183 पृष्ठ क. SHEET NO. 01				
				CLAMP PLATE				
				NO OF SHEET. 01				

B I L L O F M A T E R I A L				DEP NO	NO OF IT	VAR	TYPE OF PRODUCT				W O R K O R D E R		DRG NO		CORE CODE		REV			
				406	13	0					500MVA3PH M/S PGCIL				60213A51201		14647000183		65170704	
TITLE																		SHT NO		
H.V.CLAMP PLATE																		1 OF 2		
H.V.CLAMP PLATE																				
DU	VAR03	VAR02	VAR01	VAR00	REMARKS	IT NO	DESCRIPTION						DRAWING NO	IT.	MATCODE	A /	UT	UNIT	WT	G / S
							MAT SIZE						DETAILS	VAR	MAT SPEC			QTY	ZONE	
			00001	00001	TO DETAILS	001	HORIZONTAL CL PLATE								AA1011808137		KG		311.250	
							TK	WDT	LEN	ID	OD	DIM1			AA10108					
							20	330	6000											
			00002	00002	JOINT WITH ITEM NO 001 TO DETAIL	002	HORIZONTAL CLPLATE								AA1011808137		KG		44.610	
							TK	WDT	LEN	ID	OD	DIM1			AA10108					
							20	185	1534											
			00003	00003	DIA 95	003	TIGHTENING NUT FOR GUIDEPIN						24998100016	002	BP9016054766				1.900	
							TK	WDT	LEN	ID	OD	DIM1			00					
			00003	00003	TO DETAIL EN10025 GRADE S690QL	004	MAIN CLAMP PLATE										KG		137.700	
					780LE		TK	WDT	LEN	ID	OD	DIM1								
							20	300	2920											
			00003	00003	TO DETAIL EN10025 GRADE S690QL	005	MAIN CLAMP PLATE										KG		76.770	
					780LE		TK	WDT	LEN	ID	OD	DIM1								
							20	660	740											
			00002	00002	TO DETAILS	006	AUX CLAMP PLATE								AA1011808137		kg		20.720	
							TK	WDT	LEN	ID	OD	DIM1			AA10108					
							20	200	660											
			00002	00002	TO DETAILS	007	AUX CLAMP PLATE								AA1011808137		KG		55.080	
							TK	WDT	LEN	ID	OD	DIM1			AA10108					
							20	120	2920											
			00004	00004	TO DETAIL	008	PAD								AA1011808137		kg		6.500	
							TK	WDT	LEN	ID	OD	DIM1			AA10108					
							20	180	230											
			00004	00004	TO DETAIL	009	PAD								AA1011808137		kg		9.280	
							TK	WDT	LEN	ID	OD	DIM1			AA10108					
							20	180	315											
			00003	00003		010	GUIDE PIN DIA 95						34998100039	001			KG		5.600	
							TK	WDT	LEN	ID	OD	DIM1								
			00008	00008	TO DETAIL	011	STOPPRER								AA1011713136		KG		0.014	
							TK	WDT	LEN	ID	OD	DIM1			AA10113					
							3.15	30	20											
			00003	00003	TO DETAIL	012	PAD								AA1011808072		KG		4.810	
							TK	WDT	LEN	ID	OD	DIM1			AA10108					
							10	190	280											

DISTRIBUTION DETAILS					REV NO. 0		PREP BY		CKD BY		APPD BY		DATE	
TRE	TRM	TR	FTM		PREP BY		CKD BY		APPD BY		DATE			
1	3	1	6		SKC		GK		LK		19 JUL 2021		DRG NO 14647000183	
													SHT 1 OF 2	

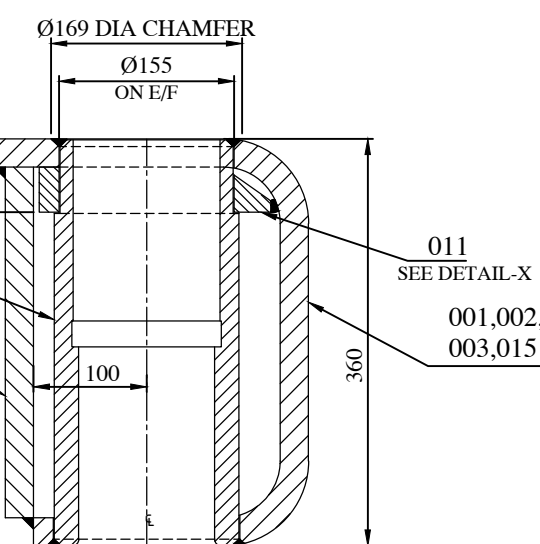
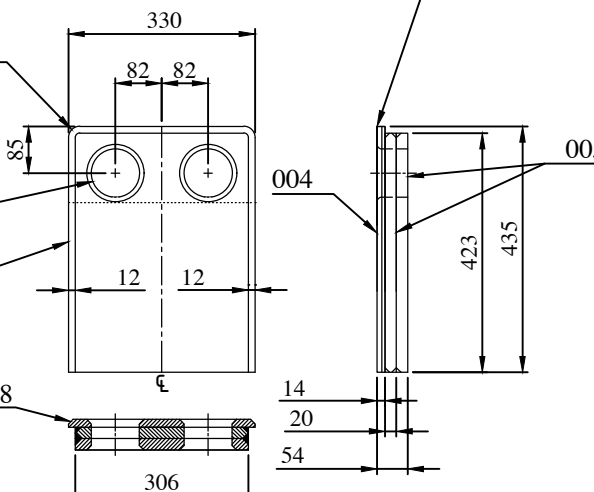
B I L L O F M A T E R I A L					DEP NO	NO OF IT	VAR	TYPE OF PRODUCT	W O R K O R D E R 60213A51201			DRG NO 14647000183		CORE CODE 65170704		REV 00							
					406	13	0	500MVA3PH M/S PGCIL	TITLE H.V.CLAMP PLATE						H.V.CLAMP PLATE				SHT NO 2 OF 2				
DU	VAR03	VAR02	VAR01	VAR00	REMARKS			IT NO	DESCRIPTION					DRAWING NO	IT.	MATCODE		A	UT	UNIT	WT	G / S	
									MAT SIZE					DETAILS			MAT SPEC		/		QTY		ZONE
			00002	00002	TO DETAIL			013	PAD							AA1011808072			KG	2.200			
									TK WDT LEN ID OD DIM1							AA10108							
									10	100	280												

1300. 1300.0





DISTRIBUTION DETAILS					REV NO. 0	PREP BY		CKD BY		APPD BY	DATE
TRE	TRM	TR	FTM		PREP BY	CKD BY	APPD BY	DATE	DRG NO 14647000183		SHT 2 OF 2
1	3	1	6		SKC	GK	LK	19 JUL 2021			

(ALL DIMENSIONS ARE IN mm)

8

**DETAIL OF IT. 004, 005**

1. FOR GENERAL NOTES REFER DRG. 34997000093.
2. VAR.00 FOR HV SIDE AND VAR.01 FOR LV SIDE.
3. WELDING AS PER DRG. NO. 34997000095 UNLESS OTHERWISE SPECIFIED.
4. FOR BOM REFER COMPUTER BOM NO. 24647000098.

ADDITIONAL INFORMATION W.O.60213-A-512-01			उत्पाद का प्रकार या ग्राहक /परियोजना का नाम 500 MVA, 400/220/33KV, 3 PH.AUTO TRANSFORMER.									
STATUS OF DRAWING U			TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT भारत हेवी इलेक्ट्रिकल्स लिमिटेड मो पाल BHARAT HEAVY ELECTRICALS LTD. BHOPAL			M/S PGCIL						
DISTRIBUTION OF PRINTS  TRE-1 TRM-3 TRX-1			<div><div><div>भारत हेवी इलेक्ट्रिकल्स लिमिटेड</div><div></div><div>मो पाल</div><div>BHARAT HEAVY ELECTRICALS LTD. BHOPAL</div></div></div>			<div><div>बनाया DRN जारी CHD स्वीकृत APPD</div><div>नाम NAME SKC GK LK</div><div>हस्ता.IGN   </div><div>दि. DATE 16.07.21 19.07.21 20.07.21</div></div>			वेरि. NO. OF VAR संख्या NO. OF VAR			
REV	DATE	ALTERED CHECKED APPROVED	<div><div>विभागीय कार्ड DEPT TRE कोड 406</div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div>		SCALE अनुपात		भार वि.ग्रा. WEIGHT(kg) SEE TABLE		उद्देश्य. डाईंग का संदर्भ REF TO ASSY DRG		मद नं. ITEM NO. मद संख्या NO. OF ITEM	
ZONE			शीर्षक/TITLE  END FRAME ASSY.			DRAWING NO. 2 464 70 00098			पुन. REV 00			
						पृष्ठ क. SHT NO. 1			पृष्ठों की सं. NO. OF SHT. 1			

B I L L O F M A T E R I A L				DEP NO	NO OF IT	VAR	TYPE OF PRODUCT				W O R K O R D E R		DRG NO	CORE CODE		REV			
				406	20	1					500 MVA, M/S PGCIL				60213A51201		24647000098	65170700	
								T I T L E				T O P E N D F R A M E H . V . S I				T O P E N D F R A M E H . V . S I		S H T N O 1      O F    2	
DU	VAR03	VAR02	VAR01	VAR00	REMARKS	IT NO	D E S C R I P T I O N						DRAWING NO	IT.	MATCODE	A / UT	UNIT	WT	G / S
							M A T   S I Z E						DETAILS	VAR	MAT   S P E C		QTY	ZONE	
			00001	00001		001	E N D F R A M E P A R T								AA1011818153	KG		432.880	
							TK	WDT	LEN	ID	OD	DIM1			AA10108				
							25	822	2680										
			00001	00001		002	E N D F R A M E P A R T								AA1011818153	KG		432.880	
							TK	WDT	LEN	ID	OD	DIM1			AA10108				
							25	822	2680										
			00001	00001		003	E N D F R A M E P A R T								AA1011818153	KG		432.880	
							TK	WDT	LEN	ID	OD	DIM1			AA10108				
							25	822	2680										
			00002	00002	TO DETAIL, M/C TO 14TK SEE SECTION E-E	004	L I F T I N G   L U G								AA1011822113	KG		14.540	
							TK	WDT	LEN	ID	OD	DIM1			AA10122				
							16	330	435										
			00004	00004	TO DETAIL SEE SECTION E-E	005	L I F T I N G   L U G								AA1011822130	KG		18.550	
							TK	WDT	LEN	ID	OD	DIM1			AA10122				
							20	306	423										
			00002	00002	TO DETAIL SEE SECTION B-B	006	P A D								AA1011818153	KG		6.600	
							TK	WDT	LEN	ID	OD	DIM1			AA10108				
							25	120	280										
			00001	00001	TO DETAIL SEE SECTION H-H	007	P A D								AA1011822156	KG		14.300	
							TK	WDT	LEN	ID	OD	DIM1			AA10122				
							25	260	280										
			00001	00001	TO DETAIL SEE SECTION H-H	008	P A D								AA1011822113	KG		7.850	
							TK	WDT	LEN	ID	OD	DIM1			AA10122				
							16	240	260										
			00002	00002	TO DETAIL SEE SECTION A-A	009	P A D								AA1011818153	KG		5.500	
							TK	WDT	LEN	ID	OD	DIM1			AA10108				
							25	100	280										
			00012	00012	C=65    L=359 SEE SECTION G-G REFER NOTE-3	010	30 TONN DASHPOT GUIDE ASSY.						34997000077			KG		28.110	
							TK	WDT	LEN	ID	OD	DIM1		00					
			00012	00012	TO DETAIL & SEE SECTION G-G	011	G U I D E   A S S Y .   P A D								AA1011818196	KG		11.640	
							TK	WDT	LEN	ID	OD	DIM1			AA10108				
							40	190	195										
			00001	00001	SECTION C-C,  REFER NOTE-3	012	B A C K   P L A T E								AA1011818153	KG		561.020	
							TK	WDT	LEN	ID	OD	DIM1			AA10108				
							25	310	9210										

DISTRIBUTION DETAILS				REV NO. 0		PREP BY		CKD BY		APPD BY		DATE	
TRE	TRM	TRX		PREP BY		CKD BY		APPD BY		DATE			
1	3	1		SKC		GK		LK		16 JUL 2021		DRG NO 24647000098	
												SHT 1 OF 2	

B I L L O F M A T E R I A L				DEP NO	NO OF IT    VAR		TYPE OF PRODUCT						W O R K O R D E R 60213A51201		DRG NO 24647000098		CORE CODE 65170700		REV 00		
				406	20	1	500 MVA, M/S PGCIL						TITLE TOP END FRAME H.V.SIDE								

2785. 2747.1

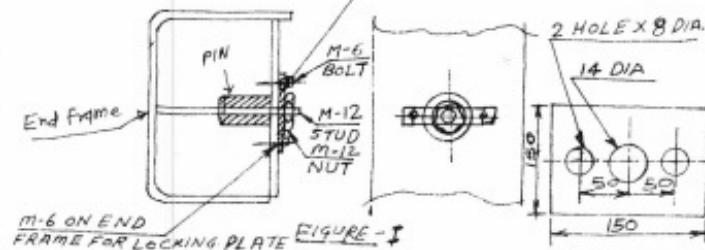
DISTRIBUTION DETAILS					REV NO. 0		PREP BY		CKD BY		APPD BY		DATE		
TRE	TRM	TRX			PREP BY		CKD BY		APPD BY		DATE				
1	3	1			SKC		GK		LK		16 JUL 2021		DRG NO 24647000098		SHT 2 OF 2



INVENTORY NO. (SIGN & DATE) REF. DRG. NO. NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DEIRIMENTAL TO THE INTEREST OF THE COMPANY.

170 00 02 667 Z 'ON'DRG

PLATE 107X150X150 (MS)



### NOTES TO O/MAN:-

1. GIVE DIMENSION 'L' FOR IT 007 (VAR 02) ON V.D.
2. DIM L = INSIDE END FX BOX WIDTH + TK. OF BOX COVERING PLATE + TK. OF CLAMP PLATE = 70.
3. MACHINING OF  $\phi 50$ ,  $\phi 67$ ,  $\phi 95$ ,  $\phi 110$  PINS IN TOLERANCE IS TO BE DECIDED BY SHOPS AFTER THE RESPECTIVE HOLES IN CLAMP PLATE / END FRAME IS ACHIEVED ACCORDINGLY. NOTE TO SHOP NO. 2 HAS BEEN GIVEN TO DECIDE THE MAX & MIN LIMITS ON THIS PIN DIA.

4. THIS DRG. REPLACES DRG. E6205364

### NOTES TO SHOP:-

1. MAINTAIN CLAMP PLATE THICKNESS DIMENSION (MARKED  $\star$ ) BY ADJUSTING THE LENGTH OF THE STL. SCREWED ROD ITS 004 & 007, 011 & 013 WHICH COMES AS STOPPER ON THE INTERIOR FACE OF THE END FRAME. AFTER ADJUSTING THE THREADED ROD, LOCK THE LIFTING PIN WITH THE HELP OF NUT IT 002. THIS OPERATION IS TO BE ADHERED TO STRICTLY.

2. THE PIN CAN BE FINISHED FULLY, EXCEPT M/C OPERATION OF DIA ( $\phi 50$ ,  $\phi 67$ ,  $\phi 95$ ,  $\phi 110$ ) THE PIN TO BE FINISHED BY M/C OPERATION AFTER M/C OF HOLE IN EE CLAMP PLATE AND AS PER SIZE OF HOLE ACHIEVED. THE TOLERANCES ON PIN TO BE CALCULATED AS PER TABLE-1 BY FBM/TRM. SEE NOTE BELOW:-

NOTE - THE MAX. & MIN. LIMITS FOR SIZE OF HOLE ACHIEVED TO BE WITHIN THE FOLLOWING TOLERANCES.

FOR  $\phi 50$  - ACHIEVED HOLE  $\phi$   $\begin{cases} +0.18 \\ +0.00 \end{cases}$

FOR  $\phi 67$  - ACHIEVED HOLE  $\phi$   $\begin{cases} +0.42 \\ +0.20 \end{cases}$

FOR  $\phi 95$  - ACHIEVED HOLE  $\phi$   $\begin{cases} +0.28 \\ +0.18 \end{cases}$

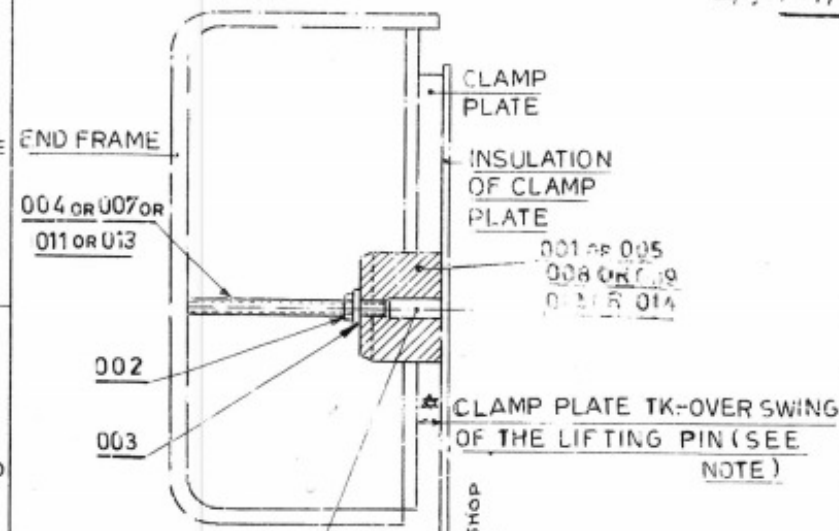
FOR  $\phi 110$  - ACHIEVED HOLE  $\phi$   $\begin{cases} +0.087 \\ +0.000 \end{cases}$

TABLE-1

DESCRIPTION	$\phi 50$	$\phi 67$	$\phi 95$	$\phi 110$
MAX PIN DIA = MIN HOLE ACHIEVED	-0.06	-0.06	-0.072	-0.072
MIN PIN DIA = MAX HOLE ACHIEVED	-0.286	-0.286	-0.213	-0.213

NOTE - 3. FOR PACKING OF PIN WITH END FRAME AT TIME OF DISPATCH FROM FABRICATION / ANCILARY REFER FIGURE - 1 IT SHALL BE ENSURED AT TRM THAT PIN / CLAMP PLATE / END FRAME SHALL BE USED FROM SAME LOT AS FABRICATED.

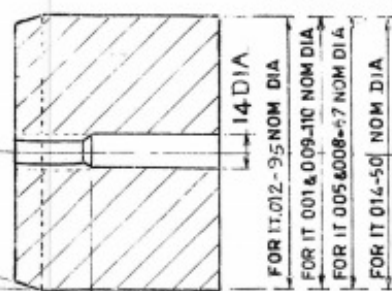
FOR DELINK BOM. REFER COMP. DRG. NO. 24997000047. SHT. 17047



HOLE CLOGGED WITH THE HELP OF IT 006 OR 010 ON ASSY.

SEE NOTE TO SHOP NO. 2

HOLE M12X27 DEEP



SECTION BB

WEIGHTS

001	-	-	-	-	-	-	M/C ALL OVER	014	LIFTING PIN Ø63 X70 HTS BAR			AA1050201205 AA10501	1-08			
-	001	-	-	-	-	-	CPP/ZPP	013	STEEL STUD M12 X170	TR 20048-5 L=170	23		0-191			
-	001	-	-	-	-	-	MACHINE ALL OVER TO DETAIL	012	LIFTING PIN Ø110X70 HTS BAR			AA1050201272 AA10501	3-90			
-	-	001	-	-	-	-	CPP/ZPP	011	STEEL STUD M12 X241	TR 20048-5 L=241	23		0-216			
001	001	001	001	-	-	-		010	ROD Ø14 X43 PERMAL ROD	M/C FROM M16 ROD ST 604627 & CUT TO SUIT ASSY.			0-4637			
-	-	001	-	-	-	-	M/C ALL OVER	009	LIFTING PIN Ø125 X70 HTS BAR			AA1050201280 AA10501	5-23			
-	-	-	001	-	-	-	M/C ALL OVER	008	LIFTING PIN Ø80 X70 HTS BAR			AA1050201248 AA10501	1-54			
001	-	-	-	001	-	-	CPP/ZPP SEE NOTE TO DIMAN 142	007	STEEL STUD M12 X L	TR 20048-5	23		0-01089			
-	-	-	-	001	01	001		006	ROD Ø14 X70 PERMAL ROD	M/C FROM M16 ROD ST 604627 & CUT TO SUIT ASSY.			0-172			
-	-	-	-	001	-	001	MACHINED ALL OVER	005	LIFTING PIN Ø80 X97 HTS ROUND BAR			AA1050201248 AA10501	2-69			
-	-	-	001	-	01	001	CPP/ZPP	004	STEEL STUD M12 X140	TR 20048-5 L=140	23		0-174			
001	001	001	001	001	01	001	CPP/ZPP	003	MACHINED WASHER 13 STEEL			AA7161001072 AA7161001	0-206			
001	001	001	001	001	01	001	CPP/ZPP	002	HEX NUT M12 2.8			AA7151115349 AA7151115	0-0172			
-	-	-	-	-	01	-	MACHINED ALL OVER	001	LIFTING PIN Ø125 X97 HTS ROUND			AA1050201280 AA10501	7-246			
VAR 05	VAR 05	VAR 04	VAR 03	VAR 02	VAR 01	VAR 00	REMARKS	VAR NO	ITEM NO	DESCRIPTION	STD	DRAWING NO	MATL CODE	UNIT WT	QTY	ZONE
1-11 + 0-008 XL Kg	4-08 Kg	5-48 Kg	2-1 Kg	2-73 +0-0089 XL Kg	7-421 Kg	8-2 Kg	CARD TYPE 3 ADDITIONAL INFORMATION STD			CARD TYPE 1			CARD TYPE 2			
TYPE OF PRODUCT OR																



B I L L O F M A T E R I A L				DEP NO	NO OF IT	VAR	TYPE OF PRODUCT	W O R K O R D E R		DRG NO	CORE CODE	REV								
				406	16	6		STANDARD		24997000047	65170700	02								
								TITLE				SHT NO								
								MOUNTING OF LIFTING PIN ON C TOP END FRAME H.V.SI				1 OF 2								
DU	VAR03	VAR02	VAR01	VAR00	REMARKS	IT NO	DESCRIPTION						DRAWING NO	IT.	MATCODE	A /	UT	UNIT	WT	G / S
							MAT SIZE						DETAILS	VAR	MAT SPEC			QTY	ZONE	
			00001		MACHINED ALL OVER	001	LIFTING PIN HTS. RUND BAR								AA1050201280		KG		7.246	
							TK	WDT	LEN	ID	OD	DIM1			AA10501					
									97		125									
	00001	00001	00001	00001	CPP/ZPP	002	HEX NUT M12 P -8								AA7151115040		KG		0.017	
							TK	WDT	LEN	ID	OD	DIM1			AA7151115					
	00001	00001	00001	00001	CPP/ZPP	003	MACHINED WASHER 13 STEEL								AA7161001072		KG		0.006	
							TK	WDT	LEN	ID	OD	DIM1			AA7161001					
	00001		00001	00001	CPP/ZPP L=140	004	STEEL STUD M12 X 140						TR20048S	023			KG		0.125	
							TK	WDT	LEN	ID	OD	DIM1								
		00001		00001	MACHINED ALL OVER	005	LIFTING PIN DIA 80 X 97								AA1050201248		KG		2.690	
					HTS. ROUND BAR		TK	WDT	LEN	ID	OD	DIM1			AA10501					
									97		80									
		00001	00001	00001	M/C FROM M16 ROD & CUT TO SUIT ON ASSY.	006	PERMALI ROD DIA 14 X 70						TR20043S	005	BP9016046275		KG		0.014	
							TK	WDT	LEN	ID	OD	DIM1			ST604627					
		00001			CPP/ZPP WT=0.00089 X L M12 X L	007	STEEL STUD M12 X L						TR20048S	023			KG			
							TK	WDT	LEN	ID	OD	DIM1								
	00001				MACHINED ALL OVER	008	LIFTING PIN HTS. BAR								AA1050201248		KG		1.940	
							TK	WDT	LEN	ID	OD	DIM1			AA10501					
									70		80									
					M/C ALL OVER	009	LIFTING PIN HTS. BAR								AA1050201280		KG		5.230	
					DIA 125 X 70 HTS.BAR		TK	WDT	LEN	ID	OD	DIM1			AA10501					
									70		125									
	00001				M/C FROM M16 ROD & CUT TO SUIT ON ASSY.	010	PERMALI ROD DIA 14 X 43						TR20043S	005	BP9016046275		KG		0.008	
							TK	WDT	LEN	ID	OD	DIM1			ST604627					
					CPP/ZPP	011	STEEL STUD M12 X 241						TR20048S	023			KG		0.214	
							TK	WDT	LEN	ID	OD	DIM1								
					M/C ALL OVER	012	LIFTING PIN HTS. BAR								AA1050201272		KG		3.900	
					DIA 110 X 70 HTS. BAR		TK	WDT	LEN	ID	OD	DIM1			AA10501					
									70		110									

DISTRIBUTION DETAILS						REV NO. 2		PREP BY		CKD BY		APPD BY		DATE 08 FEB 2012				
TRX	FTM	TRE	QC	TRM		PREP BY		CKD BY		APPD BY		DATE						
1	0	1	0	3		YGV		BSB		BSB		10 NOV 1990		DRG NO 24997000047				

B I L L O F M A T E R I A L					DEP NO	NO OF IT	VAR	TYPE OF PRODUCT	W O R K O R D E R STANDARD			DRG NO 24997000047		CORE CODE 65170700		REV 02							
					406	16	6		TITLE MOUNTING OF LIFTING PIN ON C TOP END FRAME H.V.SI					SHT NO 2 OF 2									
DU	VAR03	VAR02	VAR01	VAR00	REMARKS	IT NO	DESCRIPTION						DRAWING NO	IT.	MATCODE	A	UT	UNIT	WT	G / S			
							MAT SIZE						DETAILS		MAT SPEC	/		QTY		ZONE			
					CPP/ZPP	013	STEEL STUD M12 X 170						TR20048S	023			KG	0.151					
					M12 X 170		TK	WDT	LEN	ID	OD	DIM1											
					MACHINED ALL OVER	014	LIFTING PIN HTS. BAR								AA1050201205		KG	1.080					
					DIA 63 X 70 HTS. BAR		TK	WDT	LEN	ID	OD	DIM1											
									70		63												
						015																	
					TK		WDT	LEN	ID	OD	DIM1												
						016																	
					TK		WDT	LEN	ID	OD	DIM1												

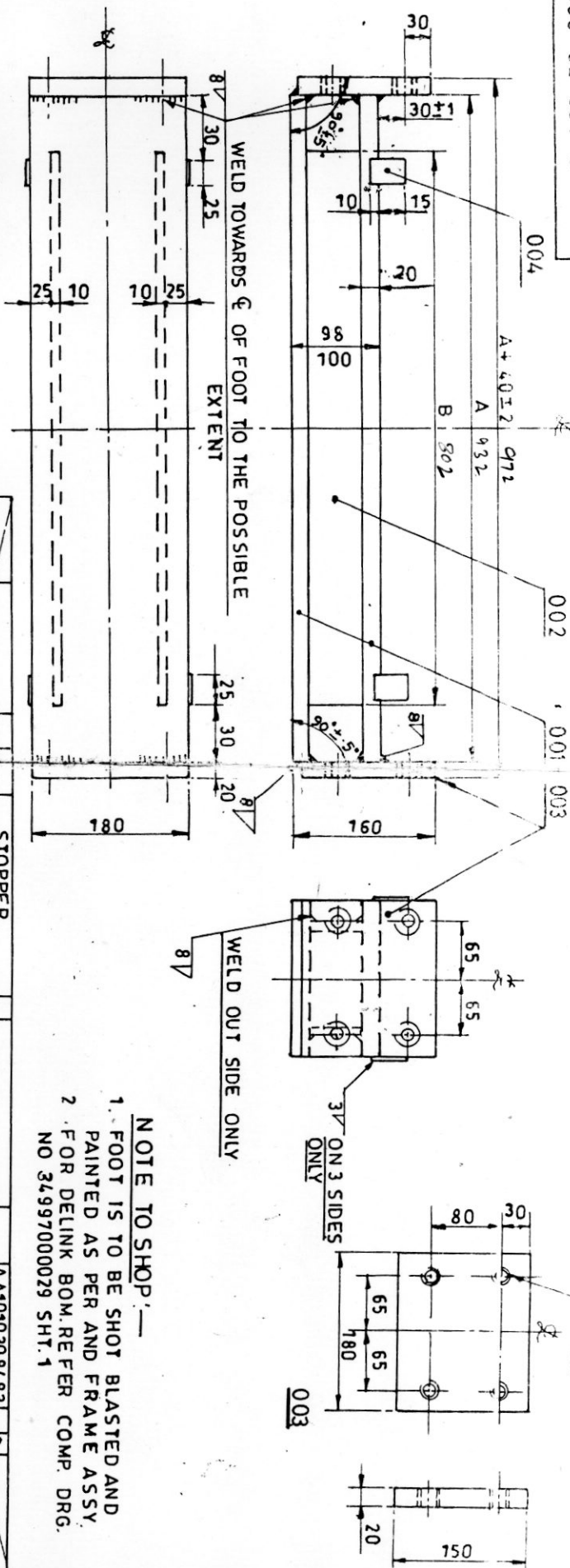
2.096 2.727 7.408 2.852

DISTRIBUTION DETAILS						REV NO. 2		PREP BY		CKD BY		APPD BY		DATE 08 FEB 2012	
TRX	FTM	TRE	QC	TRM		PREP BY		CKD BY		APPD BY		DATE			
1	0	1	0	3		YGV		BSB		BSB		10 NOV 1990		DRG NO 24997000047	
														SHT 2 OF 2	





52000 07 667 3 ON DRG



NOTE TO SHOP:-

1. FOOT IS TO BE SHOT BLASTED AND PAINTED AS PER AND FRAME ASSY.
2. FOR DELINK BOM. REFER COMP. DRG. NO 34997000029 SHT. 1

NOTE TO D/MAN :-

1. WT OF VAR00 = 2 (10-0047 (6A+B) + 4.5) KG.
2. CALL DIMENSIONS A & B ON EFF. ASSY
- DIM A = (MIN CORE BUILT UP + 2) - 44 932
- DIM B = A - 130

(CL SEP 210X2)

VAR. NO.	REMARKS	VAR. NO.	REMARKS	VAR. NO.	REMARKS
004	STOPPER	01	014	6X25X25	AA1010308483
002	TO DETAIL	03	20TKX150X180	AA1011808137	
002	PLATE	02	10TKX58XB	AA10108	SEE NOTE
002	PLATE	01	20TKX180XA	AA1011808137	TO DIMAN
002	PLATE	01	20TKX180XA	AA10108	

28 CARD TYPE - 3

28 CARD TYPE - 1

28 CARD TYPE - 2

REV. DATE		ALTERED BY		CHECKED BY		APPROVED BY	
04	17-7-04						
ZONE		REV.		DATE		ALTERED BY	
04		17-7-04					
DRG/RETRACTED		IN NOYE-2 DRG NO FOR BDN					
CORE CLAMP FOOT							
BOM. NO.		34997000029					
REV. NO.		04					





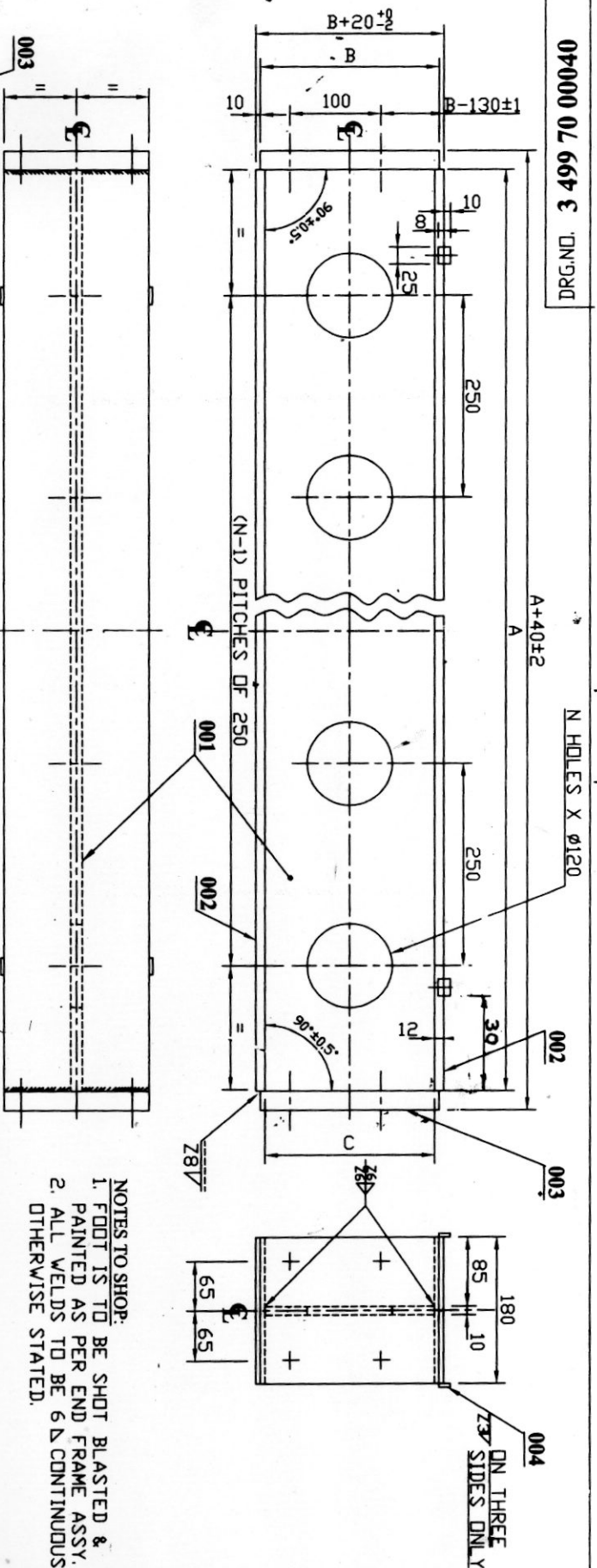


BILL OF MATERIAL				DEP NO	NO OF IT    VAR		TYPE OF PRODUCT				WORK ORDER		DRG NO	CORE CODE		REV					
				406	5	3					STD				TRANSFORMER				34997000030	65370809	
											TITLE					SHT NO					
											YOKE CLAMP END TIE PLATE                      END TIE PLATE					1            OF    1					
DU	VAR03	VAR02	VAR01	VAR00	REMARKS	IT NO	DESCRIPTION						DRAWING NO	IT.	MATCODE		A /	UT	UNIT	WT	G / S
							MAT SIZE						DETAILS	VAR	MAT SPEC				QTY	ZONE	
				00001		001	TIE PLATE 28TK X W X L								AA1011808161				0.000		
							TK	WDT	LEN	ID	OD	DIM1			AA10108						
			00001			002	TIE PLATE 28TK X W X L								AA1011808161				0.000		
							TK	WDT	LEN	ID	OD	DIM1			AA10108						
		00002				003	LOCKING PLATE								AA1011713110				0.000		
							TK	WDT	LEN	ID	OD	DIM1			AA10113						
							2	40	47												
		00004	00004	00004	CUT FROM 40 WIDTH.	004	STOPPER								AA1010308998						
							TK	WDT	LEN	ID	OD	DIM1			AA10108						
							6	25	40												
		00001				005	TIE PLATE 28TK X W X L							000	AA1011808161				0.000		
							TK	WDT	LEN	ID	OD	DIM1			AA10108						

0      0      0

DISTRIBUTION DETAILS						REV NO. 4		PREP BY		CKD BY		APPD BY		DATE 27 OCT 2001	
TRM	TRX	QC	FTM	TRE		PREP BY		CKD BY		APPD BY		DATE			
3	1	0	0	1		RKS		KMB		MLR		29 OCT 2001		DRG NO 34997000030	
														SHT 1      OF 1	

070000 07 6667 C 'DN' DRG



## NOTES TO D/MAN:

WT:(((10XAXC)+(4320XA)+(7200XB))7.86)-NX1Kg.

1. CALL DIMENSIONS A,B&C ON YOKE CLAMP ASSY.  
DIM. A = (MIN. CORE BUILD UP + 24) - 44  
DIM. B = (YH - YHA) + 80 (REFER CORE CP SHEETS  
DIM. C = B - 6 FDR YH & YHA)
2. FDR BOM REFER DELINK BOM NO. 34997000040. SH. 1 OF 1.

- NOTES TO SHOP:
1. FOOT IS TO BE SHOT BLASTED & PAINTED AS PER END FRAME ASSY.
  2. ALL WELDS TO BE 6 $\Delta$  CONTINUOUS OTHERWISE STATED.

REF.DRG.NO.

SIGN.DATE

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

INVENTORY NO.

REV	DATE	ALTERED	SUSPENSE	REV	DATE	ALTERED	SUSPENSE
07	19.3.05	APPROVED	SD/	05	9-12-00	APPROVED	SD/

LOCATION DIM FOR IT. ZONE  
GIVEN FROM END  
MATERIAL SPEC & C.FORMULA UPDATED  
NO CHANGE IN BOM.

REV	DATE	ALTERED	SUSPENSE	REV	DATE	ALTERED	SUSPENSE
04	3-11-00	APPROVED	SD/	04	3-11-00	APPROVED	SD/

ADDITIONAL INFORMATION  
STATUS OF DRAWING: U  
DISTRIBUTION OF PRINTS  
TRE TRM TRX FTM JHS  
1 3 1 6 1

DRAWING COMPUTERIZED,  
IN NOTES TO D/MAN  
NOTE-3 ADDED.  
FORMULA FOR VT. CHANGE

## TRANSFORMER

REV	DATE	ALTERED	SUSPENSE	REV	DATE	ALTERED	SUSPENSE
07	17.04.82	APPROVED	SD/	07	17.04.82	APPROVED	SD/

DRAWING NO.  
3 499 70 00040

REV

BILL OF MATERIAL					DEP NO	NO OF IT	VAR	TYPE OF PRODUCT	WORK ORDER STANDARD		DRG NO 34997000040	CORE CODE 65170708		REV 07						
					406	4	1		TITLE CORE CLAMP FOOT (FOR AUXILIARY) FOOT ASSY.					SHT NO 1 OF 1						
DU	VAR03	VAR02	VAR01	VAR00	REMARKS	IT NO	DESCRIPTION					DRAWING NO	IT.	MATCODE	A	UT	UNIT	WT	G / S	
							MAT SIZE					DETAILS	VAR	MAT SPEC	/			QTY	ZONE	
				00001	10 TK X C X A	001	PLATE						000	AA1011808161				0.000		
							TK	WDT	LEN	ID	OD		DIM1	00						AA10108
				00002	12 TK X 180 X A	002	PLATE						000	AA1011808188				0.000		
							TK	WDT	LEN	ID	OD		DIM1	00						AA10108
				00002	20 TK X 180 X B	003	PLATE						000	AA1011808137				0.000		
							TK	WDT	LEN	ID	OD		DIM1	00						AA10108
				00004		004	STOPPER						000	AA1011808030				0.020		
							TK	WDT	LEN	ID	OD		DIM1	00						AA10108
							6	18	25											

.08

DISTRIBUTION DETAILS						REV NO. 7		PREP BY		CKD BY		APPD BY		DATE 19 MAR 2005	
TRM	TRX	QC	FTM	TRE		PREP BY		CKD BY		APPD BY		DATE			
3	1	0	0	1		MS		SCJ		JSK		DRG NO 34997000040		SHT 1 OF 1	

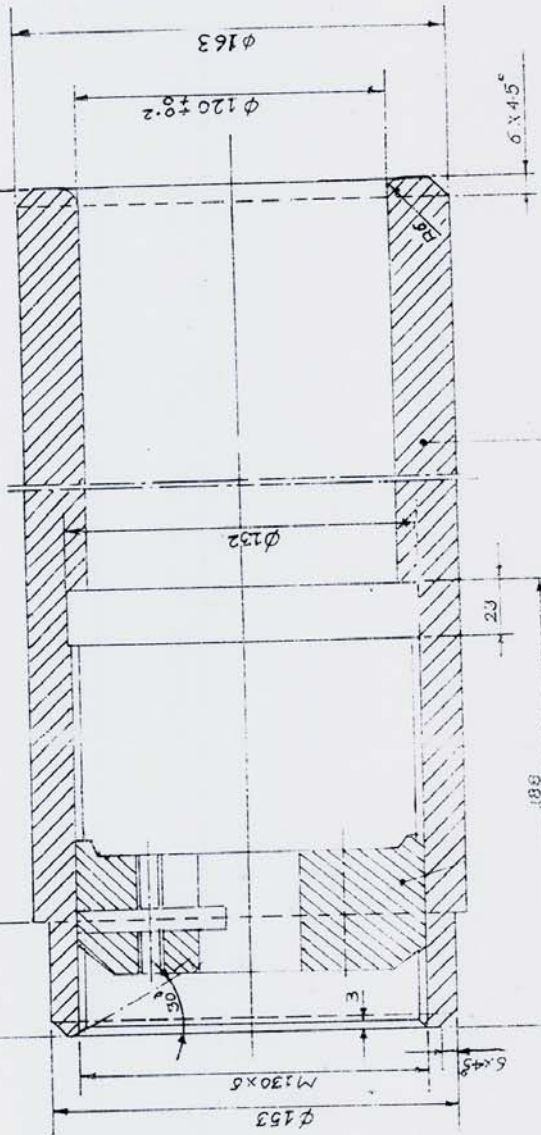
(ALL DIMENSIONS ARE IN mm)

FIRST ANGLE PROJECTION

DRG. NO. 3 499 70 00071

L-82 LIGHT OF ENDFRAME (MIN 359)

C=40±e  
e=THICKNESS OF ENDFRAME FLANGE



APPROX. WEIGHT - 0.075XL - 0.040L-C kg  
(WHERE L&C ARE IN mm)

### NOTE TO SHOPS

1. COMPLETE THREAD MATCHING OF ITEM-002 WITH ITEM-001 SHALL BE ENSURED AFTER WELDING OF ITEM-001 WITH ENDFRAME
2. THREADS TO BE COATED WITH TRANSFORMER OIL TO AA 27401 TO AVOID SETTING OF RUST
3. OPENING OF ITEM-001 TO BE BLANKED SUITABLY TO PROTECT THREADS FROM WELD SPATTERS, SHOT PARTICLES AND PAINT MATERIAL

FOR BOM REFER DELINK BOM NO. 34997000077 SHT 1 OF 1.

ROUND

TO DETAIL 01 001 170 XL Lg.

NOTE TO D-MAN

1 GIVE DIM L & C ON ASSY DRG.

### TOOL LIST

ITEM	TOOL	DESCRIPTION
001	1464501	THREAD CHECKING PLUG GAUGE

### STATUS OF DRAWING

DISTRIBUTION OF PRINTS

TRE	TRM	FBM	TCX
1	3	6	1

DATE 21.09.99 CHECKED (APPROVED)

REV 01

NOTE TO SHOP AND WEIGHT INCLUDED

ITEM-002 INCLUDED. NOTE TO SHOPS MODIFIED WITH MORE CLARIFICATIONS.

0163 WAS 015

001

002

003

004

005

006

007

008

ADDITIONAL INFORMATION

STANDARD

TYPE OF PROJECT OR

NAME OF CUSTOMER / PROJECT

TYPE OF PROJECT OR

NAME OF CUSTOMER / PROJECT

TYPE OF PROJECT OR

NAME OF CUSTOMER / PROJECT

TYPE OF PROJECT OR

NAME OF CUSTOMER / PROJECT

TYPE OF PROJECT OR

NAME OF CUSTOMER / PROJECT

TYPE OF PROJECT OR

NAME OF CUSTOMER / PROJECT

TYPE OF PROJECT OR

NAME OF CUSTOMER / PROJECT

TYPE OF PROJECT OR

NAME OF CUSTOMER / PROJECT

NAME OF PROJECT OR

NAME OF CUSTOMER / PROJECT

NAME OF PROJECT OR

NAME OF CUSTOMER / PROJECT

NAME OF PROJECT OR

NAME OF CUSTOMER / PROJECT

NAME OF PROJECT OR

NAME OF CUSTOMER / PROJECT

NAME OF PROJECT OR

NAME OF CUSTOMER / PROJECT

NAME OF PROJECT OR

NAME OF CUSTOMER / PROJECT

NAME OF PROJECT OR

NAME OF CUSTOMER / PROJECT

NAME OF PROJECT OR

NAME OF PROJECT OR

NAME OF CUSTOMER / PROJECT

NAME OF PROJECT OR

NAME OF CUSTOMER / PROJECT

NAME OF PROJECT OR

NAME OF CUSTOMER / PROJECT

NAME OF PROJECT OR

NAME OF CUSTOMER / PROJECT

NAME OF PROJECT OR

NAME OF CUSTOMER / PROJECT

NAME OF PROJECT OR

NAME OF CUSTOMER / PROJECT

NAME OF PROJECT OR

NAME OF CUSTOMER / PROJECT

NAME OF PROJECT OR

NAME OF PROJECT OR

NAME OF CUSTOMER / PROJECT

NAME OF PROJECT OR

NAME OF CUSTOMER / PROJECT

NAME OF PROJECT OR

NAME OF CUSTOMER / PROJECT

NAME OF PROJECT OR

NAME OF CUSTOMER / PROJECT

NAME OF PROJECT OR

NAME OF CUSTOMER / PROJECT

NAME OF PROJECT OR

NAME OF CUSTOMER / PROJECT

NAME OF PROJECT OR

NAME OF CUSTOMER / PROJECT

NAME OF PROJECT OR

NAME OF PROJECT OR

NAME OF CUSTOMER / PROJECT

NAME OF PROJECT OR

NAME OF CUSTOMER / PROJECT

NAME OF PROJECT OR

NAME OF CUSTOMER / PROJECT

NAME OF PROJECT OR

NAME OF CUSTOMER / PROJECT

NAME OF PROJECT OR

NAME OF CUSTOMER / PROJECT

NAME OF PROJECT OR

NAME OF CUSTOMER / PROJECT

NAME OF PROJECT OR

NAME OF CUSTOMER / PROJECT

NAME OF PROJECT OR

NAME OF PROJECT OR

NAME OF CUSTOMER / PROJECT

NAME OF PROJECT OR

NAME OF CUSTOMER / PROJECT

NAME OF PROJECT OR

NAME OF CUSTOMER / PROJECT

NAME OF PROJECT OR

NAME OF CUSTOMER / PROJECT

NAME OF PROJECT OR

NAME OF CUSTOMER / PROJECT

NAME OF PROJECT OR

NAME OF CUSTOMER / PROJECT

NAME OF PROJECT OR

NAME OF CUSTOMER / PROJECT

NAME OF PROJECT OR

NAME OF PROJECT OR

NAME OF CUSTOMER / PROJECT

NAME OF PROJECT OR

NAME OF CUSTOMER / PROJECT

NAME OF PROJECT OR

NAME OF CUSTOMER / PROJECT

NAME OF PROJECT OR

NAME OF CUSTOMER / PROJECT

NAME OF PROJECT OR

NAME OF CUSTOMER / PROJECT

NAME OF PROJECT OR

NAME OF CUSTOMER / PROJECT

NAME OF PROJECT OR

NAME OF CUSTOMER / PROJECT

NAME OF PROJECT OR

NAME OF PROJECT OR

NAME OF CUSTOMER / PROJECT

NAME OF PROJECT OR

NAME OF CUSTOMER / PROJECT

NAME OF PROJECT OR

NAME OF CUSTOMER / PROJECT

NAME OF PROJECT OR

NAME OF CUSTOMER / PROJECT

NAME OF PROJECT OR

NAME OF CUSTOMER / PROJECT

NAME OF PROJECT OR

NAME OF CUSTOMER / PROJECT

NAME OF PROJECT OR

NAME OF CUSTOMER / PROJECT

NAME OF PROJECT OR

NAME OF PROJECT OR

NAME OF CUSTOMER / PROJECT

NAME OF PROJECT OR

NAME OF CUSTOMER / PROJECT

NAME OF PROJECT OR

NAME OF CUSTOMER / PROJECT

NAME OF PROJECT OR

NAME OF CUSTOMER / PROJECT

NAME OF PROJECT OR

NAME OF CUSTOMER / PROJECT

NAME OF PROJECT OR

NAME OF CUSTOMER / PROJECT

NAME OF PROJECT OR

NAME OF CUSTOMER / PROJECT

NAME OF PROJECT OR



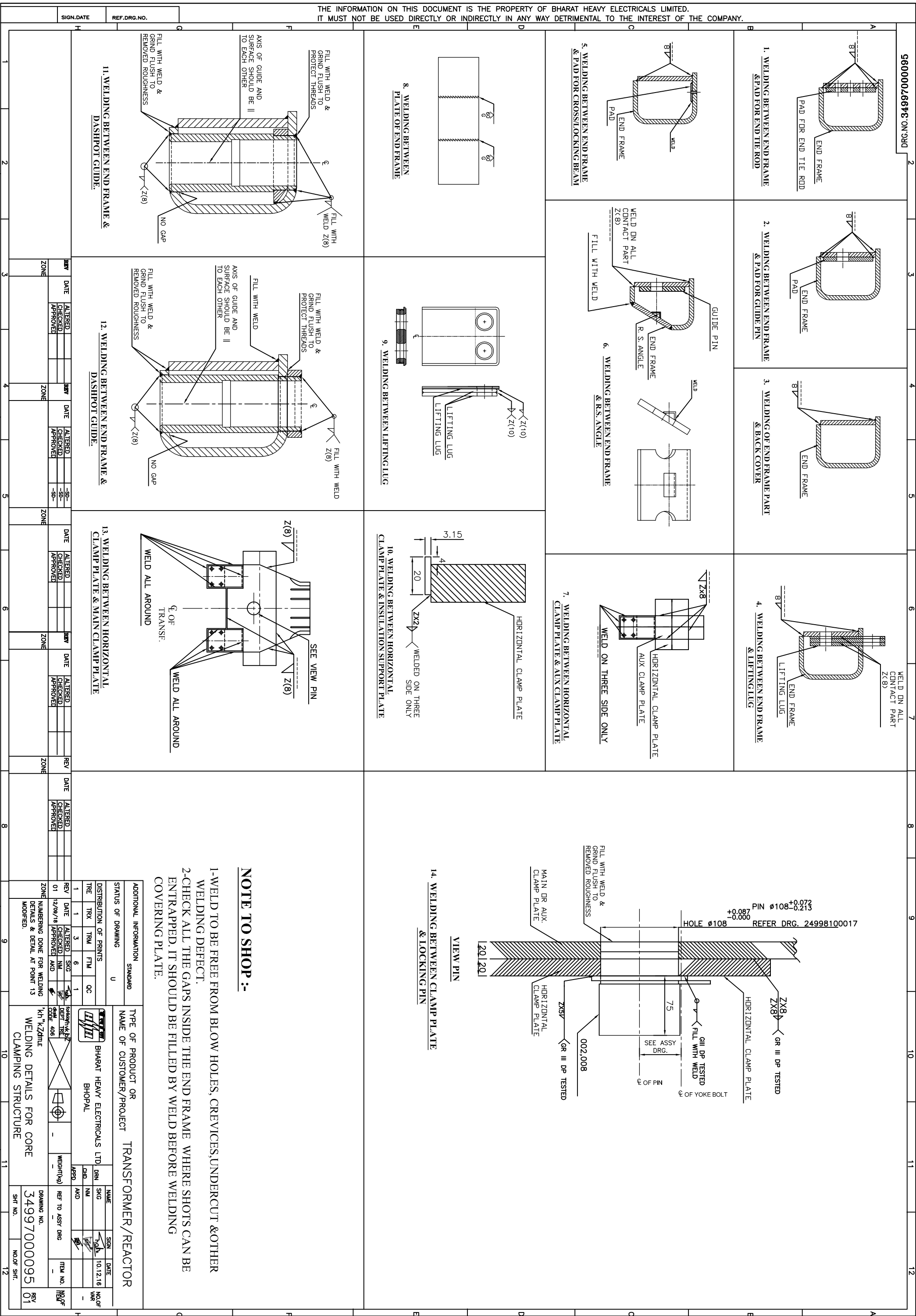


DRG.NO. 34997000093

NOTES:-

- 1- BEFORE SHIPPING CORE CLAMPING STRUCTURE FROM FTM/ANCILLARY INSPECTION SHOULD BE DONE TO MAKE SURE THAT THE OVERALL DIMENSIONS ARE NOT EXCEEDING THE DIMENSIONS GIVEN ON ASSEMBLY.
- 2- FOR WELDING DETAILS REFER DRG. 34997000095. ALL OTHER WELDS TO BE Z8N CONTINUOUS UNLESS OTHERWISE SPECIFIED.
- 3- BUTT WELD IF PROVIDED IN DRAWING TO BE TESTED BY ULTRASONIC TESTING AS PER BP0850176 AND ACCEPTANCE TO BE DONE AS PER AA622101, GRADE-3 AND ALL OTHER WELD TO BE DP TESTED.
- 4- TOLERANCE IN CLAMPING STRUCTURE IS AS PER TR101901 AND TR101901.
5. SLOTS GIVEN IN CORE CLAMP PLATE IS TO BE DONE BY MACHINING PROCESS ONLY (WATER JET , MILLING OPERATION ETC) .
- 6- SHARP EDGES SHOULD BE REMOVED PROPERLY. MINIMUM RADIUS OF CHAMFERING TO BE R3.
- 7- ALL THE HOLES IN THE CLAMP PLATE AND END FRAME MUST BE DONE BY BORING PROCESS ONLY. FLAME CUT IS NOT ALLOWED.
- 8- DURING MATCHING OF CLAMPING STRUCTURE, CLAMP PLATE AND END FRAME SHOULD HAVE COMPLETE SURFACE CONTACT AT PIN POSITION.
- 9- INSIDE AREA OF HOLE IN CLAMP PLATE FOR LOCKING PIN IS NOT TO BE PAINTED.
- 10- ALL PLATES EQUAL TO 16 mm THICKNESS AND ABOVE SHALL BE ULTRASONIC TESTED AS PER BHEL SPEC. AA0850120/ASTMA4.35 . FABRICATOR HAS TO PRODUCE CO-RELATED TEST CERTIFICATE FROM MILL OR TO CARRY OUT UT TEST AT THEIR WORKS BY BHEL APPROVED NDT AGENCY. BHEL/TPIA SHALL RECORD REVIEW THE TEST CERTIFICATES.
- 11- DIMENSION OF PIN PAD ASSEMBLY SHOULD BE MEASURED AND CHECKED. APPROVAL FROM TRE IS REQUIRED.
- 12- CLAMPING STRUCTURE AND END FRAME TO BE PAINTED AS PER TR100005P SERIAL NO. 22 CALLED ON RESPECTIVE DRAWING/WORK ORDER. ADHESION OF PAINT IS VERY CRITICAL AND SHALL BE CHECKED & WITNESSED BY QIX/TPIA.
- 13- SIZE OF PLATE MENTIONED IN BOM FOR DEVELOPED LENGTH OF ROLLED AND BEND ITEMS ARE BASED ON MEAN DIMENSIONS. FTM TO NOTE THAT BENDING AND ROLLING ALLOWANCES ARE TO BE ADDED IF REQUIRED.
14. FOR CUT OUTS ON END FRAME AND CLAMPING STRUCTURE, REFER RESPECTIVE DETAIL DRAWING.
- 15- MATERIAL TO AA10119 MAY BE USED AS AN ALTERNATE TO AA10108 AND VICE VERSA FOR MS PLATES.
- 16- CRITICAL DIMENSIONS MARKED AS (CR) ON THE DRAWINGS ARE IMPORTANT AND ARE TO BE ENSURED BY QC.
- 17- EARTHING PAD TOP FACE SHOULD NOT BE PAINTED DURING PAINTING OF END FRAME AND CLAMPING STRUCTURE.
- 18- MATERIAL TO SPEC AA101740 CAN BE USED AS AN ALTERNATIVE TO AA101739 AND VICE VERSA FOR STAINLESS STEEL PARTS.
- 19- FOR INSPECTION OF END FRAME CHECKLIST QC/TCB/EF/01 & QC/TCB/EF/02 AND ANY SPECIFIED CHECKLIST APPLICABLE FOR END FRAME SHALL BE FOLLOWED.
20. ALL OTHER ITEMS WHICH ARE UNAPPROACHABLE AFTER ASSEMBLY LIKE DASHPOT GUIDE ETC. SHALL BE NECESSARILY SHOT BLASTED BEFORE ASSEMBLY.
21. THREAD OF THE PIN WELDED ON HV AND LV SIDE OF CLAMP PLATE SHOULD MATCH WITH RESPECTIVE NUT. IT SHOULD BE CHECKED.
22. THREAD OF DASHPOT GUIDE SHOULD MATCH WITH RESPECTIVE LOCKING NUT. IT SHOULD BE CHECKED.

SIGN. DATE		REF. DRG. NO.	
G			
H			
I			
J			
K			
L			
M			
N			
O			
P			
Q			
R			
S			
T			
U			
V			
W			
X			
Y			
Z			
AA			
AB			
AC			
AD			
AE			
AF			
AG			
AH			
AI			
AJ			
AK			
AL			
AM			
AN			
AO			
AP			
AQ			
AR			
AS			
AT			
AU			
AV			
AW			
AX			
AY			
AZ			
BA			
BB			
BC			
BD			
BE			
BF			
BG			
BH			
BI			
BJ			
BK			
BL			
BM			
BN			
BO			
BP			
BQ			
BR			
BS			
BT			
BU			
BV			
BW			
BX			
BY			
BZ			
CA			
CB			
CC			
CD			
CE			
CF			
CG			
CH			
CI			
CJ			
CK			
CL			
CM			
CN			
CO			
CP			
CQ			
CR			
CS			
CT			
CU			
CV			
CW			
CX			
CY			
CZ			
DA			
DB			
DC			
DD			
DE			
DF			
DG			
DH			
DI			
DJ			
DK			
DL			
DM			
DN			
DO			
DP			
DQ			
DR			
DS			
DT			
DU			
DV			
DW			
DX			
DY			
DZ			
EA			
EB			
EC			
ED			
EE			
EF			
EG			
EH			
EI			
EJ			
EK			
EL			
EM			
EN			
EO			
EP			
EQ			
ER			
ES			
ET			
EU			
EV			
EW			
EX			
EY			
EZ			
FA			
FB			
FC			
FD			
FE			
FF			
FG			
FH			
FI			
FJ			
FK			
FL			
FM			
FN			
FO			
FP			
FQ			
FR			
FS			
FT			
FU			
FV			
FW			
FX			
FY			
FZ			
GA			
GB			
GC			
GD			
GE			
GF			
GG			
GH			
GI			
GJ			
GK			
GL			
GM			
GN			
GO			
GP			
GQ			
GR			
GS			
GT			
GU			
GV			
GW			
GX			
GY			
GZ			
HA			
HB			
HC			
HD			
HE			
HF			
HG			
HH			
HI			
HJ			
HK			
HL			
HM			
HN			
HO			
HP			
HQ			
HR			
HS			
HT			
HU			
HV			
HW			
HX			
HY			
HZ			
IA			
IB			
IC			
ID			
IE			
IF			
IG			
IH			
II			
IJ			
IK			
IL			
IM			
IN			
IO			
IP			
IQ			
IR			
IS			
IT			
IU			
IV			
IW			
IX			
IY			
IZ			
JA			
JB			
JC			
JD			
JE			
JF			
JG			
JH			
JI			
JJ			
JK			
JL			
JM			
JN			
JO			
JP			
JQ			
JR			
JS			
JT			
JU			
JV			
JW			
JX			
JY			
JZ			
KA			
KB			
KC			
KD			
KE			
KF			
KG			
KH			
KI			
KJ			
KK			
KL			
KM			
KN			
KO			
KP			
KQ			
KR			
KS			
KT			
KU			
KV			
KW			
KX			
KY			
KZ			
LA			
LB			
LC			
LD			

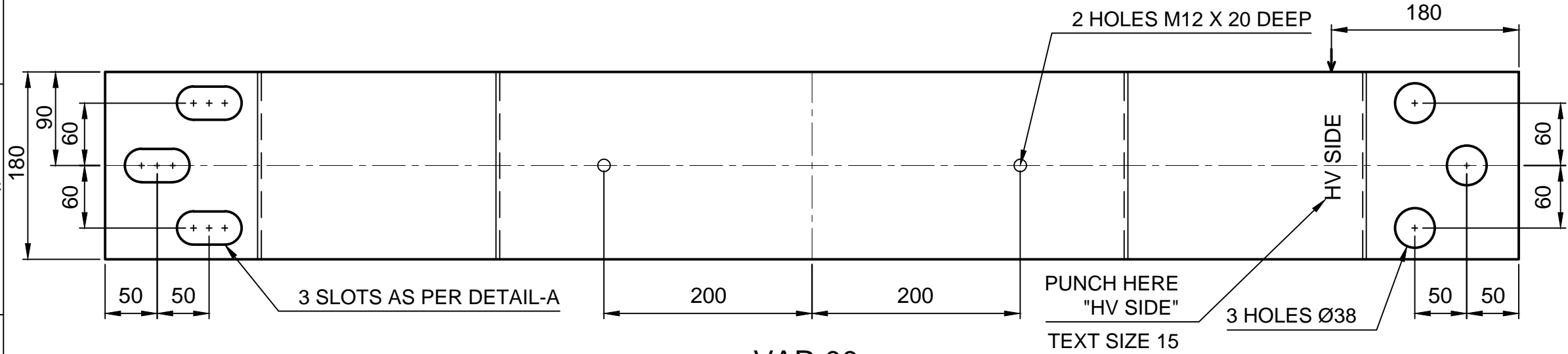
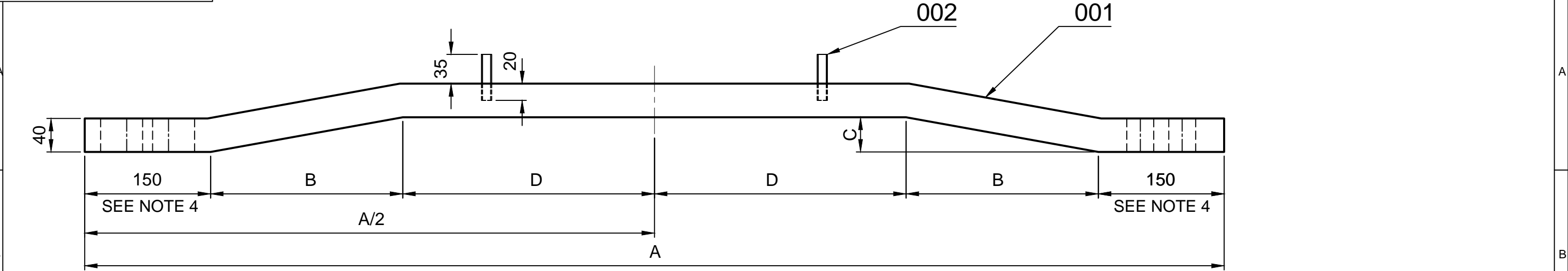




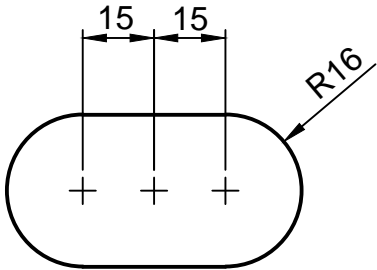
THE INFORMATION ON THIS DOCUMENT IS THE PROPERTY OF BHARAT HEAVY ELECTRICALS LIMITED.  
IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO THE INTEREST OF THE COMPANY.

INVENTORY NO. SIGN. DATE REF. DRG. NO.

960000 3 499 70 00096



VAR.00



DETAIL-A

DEVELOPED LENGTH ( L ) OF IT. 001 = ( 2 X ( 150 + D +  $\sqrt{(B^2 + C^2)}$  ) ) MM

WEIGHT OF IT. 001 = ( 0.0565 X L - 2.73 ) KG





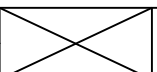

SURFACE AREA OF IT. 001 = ( 0.00018 X L - 0.0376 ) Meter<sup>2</sup>

NOTES :-

- 1.GIVE DIMS. A,B,C & D ON ASSY.
2. DIM. A SHOULD BE 770 + 2 C (MIN.)
3. ALL STEEL PART ARE TO BE SHOT BLASTED AND PAINTED AS PER MID / WORK ORDER .
- 4.-----
5. FOR BOM REFER DE-LINKED BOM SHEET NO. 3 499 70 00096.

NOTES TO SHOP :-

- 1.-----
2. -----
3. ALL SHARP CORNERS TO BE ROUNDED OFF.
4. FOR ASSY. REFER DRG. NO. 24991900002 / 34991900029.

एडिशनल इन्फार्मेशन		स्टैंडर्ड	उत्पाद का प्रकार या ग्राहक एवं परियोजना का नाम								
स्टेटस ऑफ ड्राइंग		"यू"	ट्रांसफार्मर								
डिस्ट्रिब्यूशन ऑफ प्रिन्ट्स					भारत हेवी इलेक्ट्रिकल्स लिमिटेड भोपाल BHARAT HEAVY ELECTRICALS LTD. BHOPAL		वनाया DRN	नाम NAME	हस्ताक्षर SIGN	दिनांक DATE	वैरियंट की संख्या NO. OF VAR.
टी आर ई 1, टी आर एम 3, एफ टी एम 6							जांचा CHD	एस के उसरेटे		15.05.19	
							अनुमोदन APPD	नीतिश मेलगन्डी		16.05.19	
								अमृत्या देवता		22.05.19	01
रिवीजन	दिनांक	वनाया	विभाग	टीआरई			SCALE अनुपात	वजन किगाम में WEIGHT(kg)	असेम्बली ड्राइंग का संदर्भ REF TO ASSY DRG	आइटम क्रमांक ITEM NO.	आइटम की मात्रा ITEM QTY.
		जांचा					1:1	—	—	—	—
		अनुमोदन									
ड्राइंग			शीर्षक / TITLE						आरेख क्रमांक DRG. NO.		रिवीजन REV.NO.
			एच टी एस टॉप मेन काँस बीम असेम्बली						3 499 70 00096		00
								पृष्ठ क्रमांक SHEET NO.	01	पृष्ठों की संख्या NO. OF SHEETS	01



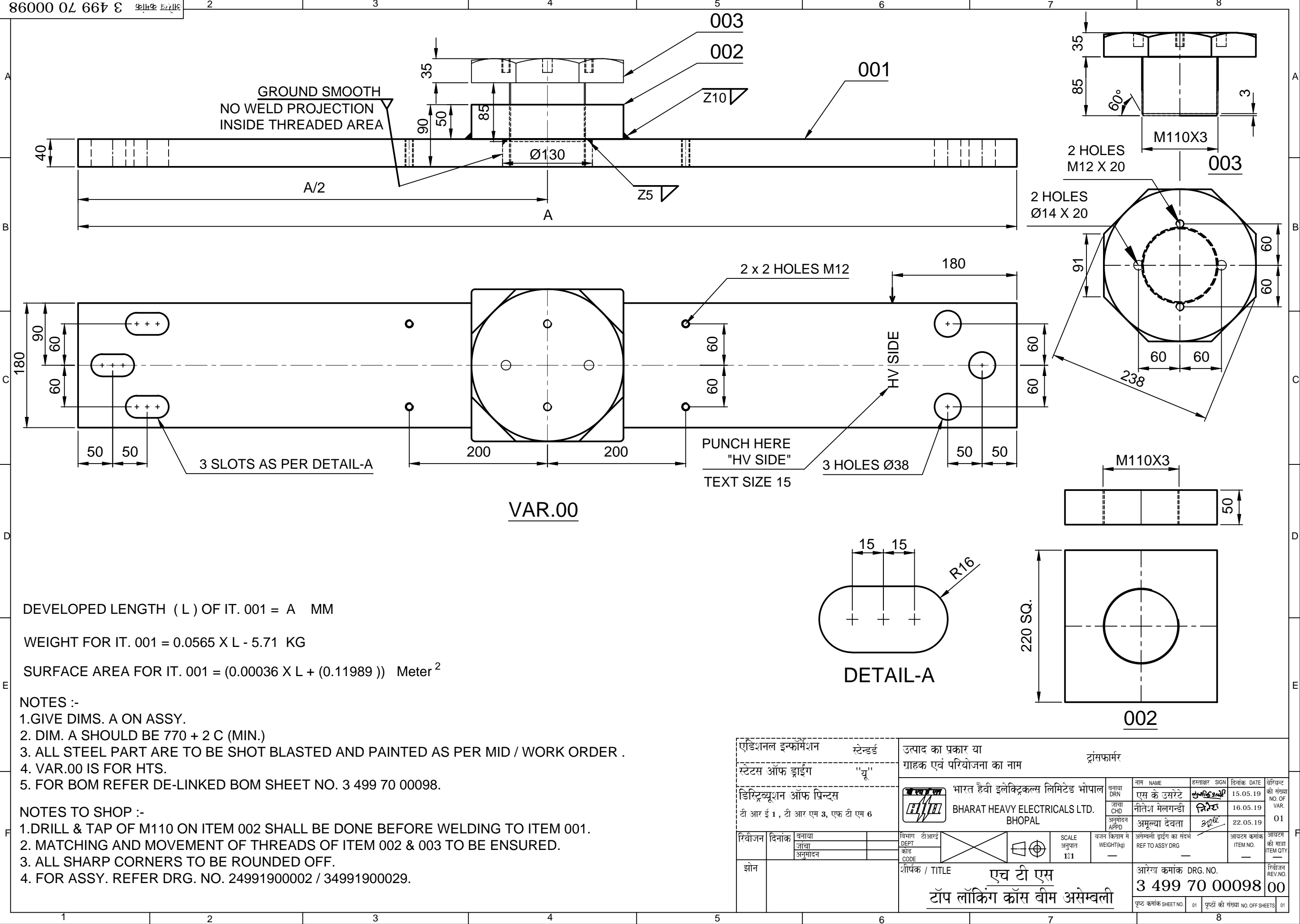
86000 3 499 70 00098





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.

REF.DRG.NO.

SIGN.DATE

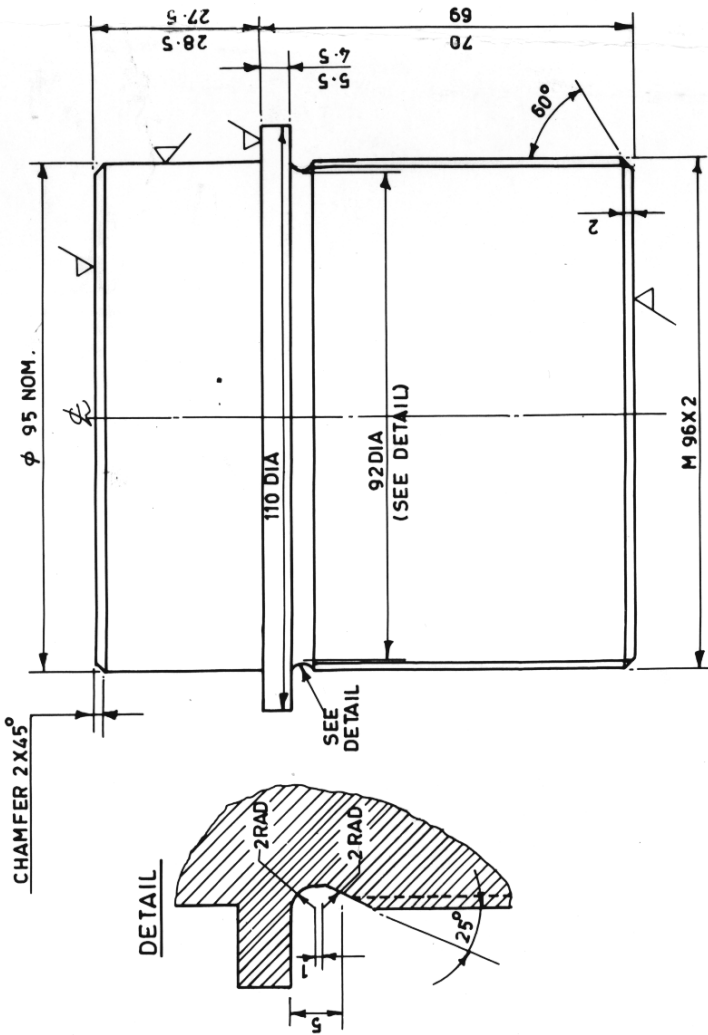
INVENTORY NO.



एडिशनल इन्फार्मेशन		स्टैंडर्ड		उत्पाद का प्रकार या				ट्रांसफार्मर									
स्टेटस ऑफ ड्राइंग		"यू"		ग्राहक एवं परियोजना का नाम													
डिस्ट्रिब्यूशन ऑफ प्रिन्ट्स		टी आर ई 1 , टी आर एम 3, एफ टी एम 6				भारत हेवी इलेक्ट्रिकल्स लिमिटेड भोपाल		वनाया DRN		नाम NAME		हस्ताक्षर SIGN		दिनांक DATE		वैरियन्ट की संख्या NO. OF VAR.	
						BHARAT HEAVY ELECTRICALS LTD. BHOPAL		जांचा CHD		एस के उसरटे				15.05.19		01	
								अनुमोदन APPD		अमृत्या देवता				22.05.19			
रिवीजन		दिनांक		वनाया		विभाग टीआरई		SCALE		वजन किग्रा म		असेम्बली ड्राइंग का संदर्भ		आइटम क्रमांक		आइटम की मात्रा	
				जांचा		DEPT		1:1		WEIGHT(kg)		REF TO ASSY DRG		ITEM NO.		ITEM QTY	
				अनुमोदन		कोड				—		—		—		—	
झोन						शीर्षक / TITLE		एच टी एस				आरेख क्रमांक DRG. NO.				रिवीजन REV.NO.	
						टॉप लॉकिंग कॉस बीम असेम्बली						3 499 70 00098				00	
												पृष्ठ क्रमांक SHEET NO.		01		पृष्ठों की संख्या NO. OF SHEETS 01	



DRG NO. 18 667 E ON 95

**NOTES TO SHOP**

- THE COMPONENT CAN BE MADE FROM ~~Φ110 BLACK CR. MOLY. STL. BAR~~ TO ~~AA10613~~ ON DEVIATION.
- THIS ITEM CAN BE FINISHED FULLY EXCEPT M/C OPERATION OF  $\phi 95$ , 28.5/27.5 LG STEM. THIS STEM IS TO BE FINISHED BY M/C OPERATION AFTER M/C OF HOLES IN THE END FRAME/CLAMP PLATE AND SIZE ACHIEVED. THE TOLERANCES ON  $\phi 95$  PIN TO BE CALCULATED AS FOLLOWS BY FBM/TRM  
 $\text{MAX PIN DIA} = \text{MIN HOLE ACHIEVED} - 0.252$  } SEE NOTE  
 $\text{MIN PIN DIA} = \text{MAX HOLE ACHIEVED} - 0.406$  }  
 NOTE:- THE MAX & MIN LIMITS OF SIZE OF HOLE TO BE WITH-IN HOLE  $\phi + 0.28$   
 $+ 0.18$

**NOTE TO D/MAN**

MACHINING OF  $\phi 95$  PIN IN TOL. IS TO BE DECIDED BY SHOPS AFTER THE RESPECTIVE HOLE IN THE CLAMP PLATE/END FRAME IS ACHIEVED ACCORDINGLY. NOTE TO SHOP NO 2 HAS BEEN GIVEN TO DECIDE THE MAX & MIN. LIMITS ON THIS PIN DIA.

THIS DRG REPLACES DRG. D6279085

INVENTORY NO.		SIGN. & DATE		REF. DRG. NO. 6279085/2		IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO THE INTEREST OF THE COMPANY	
REV. 1		REV. 1		REV. 1		REV. 1	
SHEET NO. 1		SHEET NO. 1		SHEET NO. 1		SHEET NO. 1	
NO. OF SHEETS 1		NO. OF SHEETS 1		NO. OF SHEETS 1		NO. OF SHEETS 1	
DRAWING NO. 3 499 81 00 039		DRAWING NO. 3 499 81 00 039		DRAWING NO. 3 499 81 00 039		DRAWING NO. 3 499 81 00 039	
CARD CODE 37		CARD CODE 37		CARD CODE 37		CARD CODE 37	
TITLE GUIDE - PIN		TITLE GUIDE - PIN		TITLE GUIDE - PIN		TITLE GUIDE - PIN	
DEPT. R E		DEPT. R E		DEPT. R E		DEPT. R E	
CODE 406		CODE 406		CODE 406		CODE 406	
REV. DATE		REV. DATE		REV. DATE		REV. DATE	
ALTERED		ALTERED		ALTERED		ALTERED	
CHECKED		CHECKED		CHECKED		CHECKED	
TCX (TR) 1 FBM - 4		TCX (TR) 1 FBM - 4		TCX (TR) 1 FBM - 4		TCX (TR) 1 FBM - 4	
DISTRIBUTION OF PRINTS		DISTRIBUTION OF PRINTS		DISTRIBUTION OF PRINTS		DISTRIBUTION OF PRINTS	
TRE - 1 TRM - 3		TRE - 1 TRM - 3		TRE - 1 TRM - 3		TRE - 1 TRM - 3	
STATUS OF DRAWING		STATUS OF DRAWING		STATUS OF DRAWING		STATUS OF DRAWING	
ADDITIONAL INFORMATION		ADDITIONAL INFORMATION		ADDITIONAL INFORMATION		ADDITIONAL INFORMATION	
TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT		TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT		TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT		TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT	
BHARAT HEAVY ELECTRICALS LTD		BHARAT HEAVY ELECTRICALS LTD		BHARAT HEAVY ELECTRICALS LTD		BHARAT HEAVY ELECTRICALS LTD	
BHOPAL		BHOPAL		BHOPAL		BHOPAL	
DRA. T.R. SURI		DRA. T.R. SURI		DRA. T.R. SURI		DRA. T.R. SURI	
SIGN. 18/10/85		SIGN. 18/10/85		SIGN. 18/10/85		SIGN. 18/10/85	
DATE 18/10/85		DATE 18/10/85		DATE 18/10/85		DATE 18/10/85	
VAR.		VAR.		VAR.		VAR.	
CHD.		CHD.		CHD.		CHD.	
APPD.		APPD.		APPD.		APPD.	
REF. TO ASSY. DRG.		REF. TO ASSY. DRG.		REF. TO ASSY. DRG.		REF. TO ASSY. DRG.	
ITEM NO. OF		ITEM NO. OF		ITEM NO. OF		ITEM NO. OF	
ITEMS		ITEMS		ITEMS		ITEMS	
5-62		5-62		5-62		5-62	
UNIT WT.		UNIT WT.		UNIT WT.		UNIT WT.	
QTY.		QTY.		QTY.		QTY.	
A A 10 501		A A 10 501		A A 10 501		A A 10 501	
MATL. CODE		MATL. CODE		MATL. CODE		MATL. CODE	
MATL. SPECN.		MATL. SPECN.		MATL. SPECN.		MATL. SPECN.	
DRAWING NO.		DRAWING NO.		DRAWING NO.		DRAWING NO.	
DESCRIPTION		DESCRIPTION		DESCRIPTION		DESCRIPTION	
GUIDE PIN 110 DIA X 98 LG HIGH TEN-STL. BAR		GUIDE PIN 110 DIA X 98 LG HIGH TEN-STL. BAR		GUIDE PIN 110 DIA X 98 LG HIGH TEN-STL. BAR		GUIDE PIN 110 DIA X 98 LG HIGH TEN-STL. BAR	
ITEM NO.		ITEM NO.		ITEM NO.		ITEM NO.	
VAR. NO.		VAR. NO.		VAR. NO.		VAR. NO.	
REMARKS		REMARKS		REMARKS		REMARKS	
001		001		001		001	







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. 34997000095

1. WELDING BETWEEN END FRAME & PAD FOR END TIE ROD

2. WELDING BETWEEN END FRAME & PAD FOR GUIDE PIN

3. WELDING OF END FRAME PART & BACK COVER

4. WELDING BETWEEN END FRAME & LIFTING LUG

5. WELDING BETWEEN END FRAME & PAD FOR CROSS/LOCKING BEAM

6. WELDING BETWEEN END FRAME & R.S. ANGLE

7. WELDING BETWEEN HORIZONTAL CLAMP PLATE & AUX CLAMP PLATE

8. WELDING BETWEEN PLATE OF END FRAME

9. WELDING BETWEEN LIFTING LUG

10. WELDING BETWEEN HORIZONTAL CLAMP PLATE & INSULATION SUPPORT PLATE

11. WELDING BETWEEN END FRAME & DASHPOT GUIDE.

12. WELDING BETWEEN END FRAME & DASHPOT GUIDE.

13. WELDING BETWEEN HORIZONTAL CLAMP PLATE & MAIN CLAMP PLATE

WELD ON ALL CONTACT PART Z(8)

END FRAME

LIFTING LUG

WELD ON THREE SIDE ONLY

HORIZONTAL CLAMP PLATE

AUX CLAMP PLATE

VIEW PIN

14. WELDING BETWEEN CLAMP PLATE & LOCKING PIN

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

12

1

2

3

4

5

6

7

8

9

10

11

MASTER GENERAL ASSEMBLY

BHEL, Bhopal

Transformer Engg. Department

[View MGES Detail](#)

W. O. No. **60213A51201** Year Code: **2020** MGES\_No: **14649904284** MID NO: **406410011**  
 Customer: **PGCIL** Rating: **500MVA** Prod\_GR: **464** QA\_NO:  
**400/220/33KV 3-PHASE Auto Transformer**  
 Elec. Spec. **601444** Trfr\_SI\_Nos **6008116, 6008117, 6008118, 6008119, 6008120** No\_Units **5**  
 Design Group **SHRI CHINMOY MONDAL** Elec. DO **SHRI LALIT KUMAR** Mech.DO **SHRI SAURABH CHAUHAN** Ent Dt : **7/5/2021 8:32:06 AM**

[>> Engg PI List](#) [>> Engg Status](#) [>> Engg.PI.](#) [>> Imported Engg.PI. Between Dates](#) [>> GSOS PI.](#) [>> All.PI.](#) [>> MBox Shiplist](#) [>> DCA](#)

[CTSO](#)[Tap Changer Data](#)[Cooler Control Cabinet Data](#)Manufacturing Plan : [6008116](#) [6008117](#) [6008118](#) [6008119](#) [6008120](#)

## Shipping List :

Sl. No.	Description	Drg. no.	Rev No.	Var. No	Qty	Issue dt.	Choose	Remarks	Trm_dt	Docket
<a href="#">1</a>	<a href="#">CORE AND END FRAME ASSY</a>	<a href="#">14647000184</a>	<a href="#">00</a>	00	1	10/18/2021	Y	for steel part see sl no 3		
<a href="#">2</a>	<a href="#">CORE LAMINATION</a>	<a href="#">34647000398</a>	<a href="#">00</a>	00	1	10/12/2021	Y	ZDKH85/0.23		
<a href="#">3</a>	<a href="#">CORE STEEL PARTS</a>	<a href="#">34647000396</a>	<a href="#">00</a>	00	1	10/12/2021	Y			
<a href="#">5</a>	<a href="#">ADDITIONAL DRILLING ON E/F TOP</a>	<a href="#">24647000099</a>	<a href="#">00</a>	00	1	2/7/2022	Y			
<a href="#">6</a>	<a href="#">COIL ASSY</a>	<a href="#">04647700149</a>	<a href="#">00</a>	00	3	1/6/2022	Y			
<a href="#">7</a>	<a href="#">LV WINDING ASSY</a>	<a href="#">24647200056</a>	<a href="#">00</a>	00	3	9/20/2021	Y			
<a href="#">8</a>	<a href="#">HV WINDING ASSY</a>	<a href="#">24647400041</a>	<a href="#">01</a>	00	3	10/18/2021	Y			
<a href="#">10</a>	<a href="#">TAPPING WINDING ASSY</a>	<a href="#">24647500044</a>	<a href="#">00</a>	00	3	11/25/2021	Y			
<a href="#">14</a>	<a href="#">COMMON WINDING</a>	<a href="#">24647300119</a>	<a href="#">00</a>	00	3	11/25/2021	Y			
<a href="#">15</a>	<a href="#">INSIDE FITTINGS</a>	<a href="#">04648100116</a>	<a href="#">00</a>	00	1	12/4/2021	Y			
<a href="#">17</a>	<a href="#">HV T.G. ASSY</a>	<a href="#">14648200047</a>	<a href="#">00</a>	00	1	11/25/2021	Y			
<a href="#">18</a>	<a href="#">TAPPING T.G. ASSY</a>	<a href="#">04648300101</a>	<a href="#">00</a>	00	1	1/8/2022	Y			
<a href="#">21</a>	<a href="#">OUTSIDE SIDE FITTINGS</a>	<a href="#">14641900285</a>	<a href="#">02</a>	00	1	10/30/2021	Y	S.no.1-24 for Fabrication part only		
<a href="#">25</a>	<a href="#">WIRING SYSTEM</a>	<a href="#">14646500040</a>	<a href="#">00</a>	00	1	1/20/2022	Y			
<a href="#">29</a>	<a href="#">TOP TANK ASSY</a>	<a href="#">04641600261</a>	<a href="#">03</a>	00	1	10/21/2021	Y			
<a href="#">31</a>	<a href="#">BOTTOM TANK ASSY</a>	<a href="#">14641700073</a>	<a href="#">01</a>	00	1	10/13/2021	Y			
<a href="#">34</a>	<a href="#">HV TURRET ASSY. U PHASE</a>	<a href="#">34642100145</a>	<a href="#">00</a>	00	1	10/21/2021	Y			
<a href="#">35</a>	<a href="#">HV TURRET ASSY. V PHASE</a>	<a href="#">34642100144</a>	<a href="#">00</a>	00	1	10/21/2021	Y			
<a href="#">36</a>	<a href="#">HV TURRET ASSY. W PHASE</a>	<a href="#">34642100146</a>	<a href="#">00</a>	00	1	10/21/2021	Y			
<a href="#">38</a>	<a href="#">IV TURRET ASSY. U PHASE</a>	<a href="#">34642400097</a>	<a href="#">00</a>	00	3	10/21/2021	Y			
<a href="#">47</a>	<a href="#">CT MTG IN HV TURRET U PH</a>	<a href="#">34642100149</a>	<a href="#">00</a>	00	1	2/1/2022	Y			
<a href="#">48</a>	<a href="#">CT MTG IN HV TURRET V PH</a>	<a href="#">34642100148</a>	<a href="#">00</a>	00	1	2/1/2022	Y			
<a href="#">49</a>	<a href="#">CT MTG IN HV TURRET W PH</a>	<a href="#">34642100149</a>	<a href="#">00</a>	01	1	2/1/2022	Y			
<a href="#">50</a>	<a href="#">CT MTG IN HV TURRET HVN PH</a>	<a href="#">34643000021</a>	<a href="#">00</a>	00	1	2/1/2022	Y			
<a href="#">51</a>	<a href="#">BLANKING I</a>	<a href="#">34648800282</a>	<a href="#">00</a>	00	1	10/30/2021	Y			

<a href="#">54</a>	<a href="#">HEADER PIPE WORK SYSTEM</a>	<a href="#">14644300056</a>	<a href="#">02</a>	00	1	10/29/2021	Y	
<a href="#">56</a>	<a href="#">MAIN CONS. P/W. SYSTEM</a>	<a href="#">04645100081</a>	<a href="#">02</a>	00	1	10/28/2021	Y	
<a href="#">57</a>	<a href="#">AUX. P/W. SYSTEM</a>	<a href="#">14645200060</a>	<a href="#">02</a>	00	1	10/28/2021	Y	
<a href="#">58</a>	<a href="#">RADIATOR/COOLER</a>	<a href="#">44644300068</a>	<a href="#">00</a>	00	1	12/24/2021	Y	2 * 12-9-26- 3500 VC QTY. IN BOM IS FOR 1 TRFR.
<a href="#">59</a>	<a href="#">BLANKING II</a>	<a href="#">34648800283</a>	<a href="#">00</a>	00	1	10/30/2021	Y	
<a href="#">60</a>	<a href="#">GENERAL ARRANGEMENT OF CONTROL CABINET</a>	<a href="#">34646200278</a>	<a href="#">02</a>	00	1	10/30/2021	Y	
<a href="#">79</a>	<a href="#">MAIN CONSERVATOR</a>	<a href="#">34643900086</a>	<a href="#">01</a>	00	1	10/28/2021	Y	
<a href="#">80</a>	<a href="#">CT MTG IN IV TURRET U PH</a>	<a href="#">34642400099</a>	<a href="#">00</a>	01	1	2/1/2022	Y	
<a href="#">81</a>	<a href="#">CT MTG IN IV TURRET V PH</a>	<a href="#">34642400099</a>	<a href="#">00</a>	02	1	2/1/2022	Y	
<a href="#">82</a>	<a href="#">CT MTG IN IV TURRET W PH</a>	<a href="#">34642400099</a>	<a href="#">00</a>	00	1	2/1/2022	Y	
<a href="#">84</a>	<a href="#">MISC</a>	<a href="#">04640000169</a>	<a href="#">01</a>	00	1	7/5/2021	Y	LAYOUT
<a href="#">88</a>	<a href="#">INSIDE FITTING (WALL SHUNT ASSY)</a>	<a href="#">34641600237</a>	<a href="#">00</a>	00	1	12/4/2021	Y	
<a href="#">93</a>	<a href="#">C.T. MTG. IN TERTIARY TURRET</a>	<a href="#">34641600238</a>	<a href="#">00</a>	00	1	2/1/2022	Y	
<a href="#">94</a>	<a href="#">NEUTRAL GROUNDING ARRGT.</a>	<a href="#">34646100057</a>	<a href="#">00</a>	00	1	12/31/2021	Y	
<a href="#">112</a>	<a href="#">PAINTING DETAILS FOR TANK,E/F ASSY AND ACCESSORIES</a>	<a href="#">TR10005P</a>	<a href="#">20</a>	00	1	1/8/2022	Y	RAL7035, SL NO. 22
<a href="#">133</a>	<a href="#">COMPLETE HOUSING DRG. OF CONTROL CABINET</a>	<a href="#">14996200313</a>	<a href="#">01</a>	00	1	10/30/2021	Y	
<a href="#">134</a>	<a href="#">BOM OF HOUSING DRG. OF CONTROL CABINET</a>	<a href="#">24996200313</a>	<a href="#">02</a>	00	1	10/30/2021	Y	
<a href="#">136</a>	<a href="#">SCHEMATIC DIAGRAM OF CONTROL CABINET</a>	<a href="#">34646200277</a>	<a href="#">02</a>	0	1	12/14/2021	Y	drg was 64646200277
<a href="#">138</a>	<a href="#">ANNEXURE-I FOR CONTROL CABINET</a>	<a href="#">44646300025</a>	<a href="#">00</a>	00	1	10/30/2021	Y	
<a href="#">161</a>	<a href="#">MISC INSTRUMENTS</a>	<a href="#">34640001799</a>	<a href="#">00</a>	00	1	1/12/2022	Y	