



BHARAT HEAVY ELECTRICALS LTD.
(A GOVT. OF INDIA UNDERTAKING)
P.O BHEL Jhansi - 284120, INDIA
Tel.:0510-277001/2412260
Website : jhs.bhel.com

PURCHASE ENQUIRY

ENQ NO/DT: E97250009 29/08/25
REV NO/DT: 0 29/08/25

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4

PLEASE SEND YOUR BEST QUOTATION AS PER TERMS & CONDITIONS AND REMARK MENTIONED UNDERNEATH.

Enq Due on: 12-09-25 FRIDAY

Close at: 13:15 Open at: 14:00

Matcat: 972001 Super Structure

Validity: 90 days from Technical bid opening date

IEM:

TOP: See Special Remarks

RA: RA not applicable

Est. Value: Item wise

Bid Type: TWO BID

Tot Item: 1

Delivery: FOR Jhansi

E-Proc: Yes

REQUIRED: TEST CERT

ITEM NO : 1
MATL CODE : DS580698A636
DESTINATION: JS

PSL QTY/UM: 4.00 NO
PO QTY /UM: 30924.80 KG

DESCRIPTION	DELIVERY	QUANTITY (PSL UM)
SUPER STRUCTURE COMPLETE WITH	NOV-25	2.00
WALK WAY & HAND RAIL FOR 1400 H.P.	DEC-25	2.00
DRG NO:-07183514012,REV-01, (Drg. list as per annexure-A having page 1 to 5) ALONG WITH 2 NO PER SET MTG BKT FOR DRIVER'S SEAT TO DRG NO. 27183501059,R-05 (WT IN KG APPROX - 7731.200 KG		

SPECIAL REMARKS:

FOR ANY CLARIFICATION ON OUR TENDER TERMS AND CONDITIONS, BEFORE DUE DATE OF ENQUIRY

OUR CONTACT DETAILS ARE AS UNDER

PHONE NO. 0510-2412319/ MOB-9453001096.

E-MAIL : amitesh@bhel.in

1. GENERAL TERMS AND CONDITIONS OF ENQUIRY AS PER ANNEXURE-A AND MANDATORY SHEET AS PER ANNEXURE-B TO BE RETURNED DULY SIGNED WITH STAMP OF PARTY ALONG WITH OFFER AS A TOKEN OF ACCEPTANCE.

2. RATES ARE TO BE QUOTED IN PER KG BASIS AND FOR:BHEL JHANSI BASIS (INCLUSIVE OF FREIGHT & INSURANCE).

3. TERMS OF PAYMENT :

I- 100% PAYMENT WITHIN 90 DAYS (WITHIN 45 DAYS FOR MSE REGISTERED SUPPLIERS AS PER RELEVANT ACTION FORCE SUBJECT TO SUBMISSION OF LATEST UDYOG ADHAR MEMORANDUM CERTIFICATE) FROM THE DATE OF RECEIPT MATERIAL AND SUBMISSION OF CLEAR AND ADMISSIBLE BILL, SUBJECT TO ACCEPTANCE OF MATERIAL AT BHEL, ON DIRECT PRESENTATION OF THE DOCUMENTS.

II- ANY OTHER PAYMENT TERMS WILL BE LOADED FOR DEVIATION PERIOD AS PER FORMULA GIVEN BELOW-

FOR DOCUMENTS THROUGH BANK/COD(CASH ON DELIVERY i.e.(AGAINST DRS):
FOR 90 DAYS @{(BASE RATE OF SBI ON ENQUIRY DUE DATE + 6%)PER ANNUM.

4. Conformance & TEST CERTIFICATE ALONG WITH EACH SUPPLY.

5. WARRANTY ON THE ITEM SHALL BE 24 MONTHS FROM DATE OF SUPPLY.

6. TENDER SHOULD BE SUBMITTED IN BHEL E PROCUREMENT PORTAL IN TWO PARTS

A. TECHNICAL BID

B.PRICE BID

7. BHEL RESERVES THE RIGHT TO DO INSPECTION AT SUPPLIERS WORK OR WAIVE OFF ON THE BASIS OF DOCUMENTS.



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JSC140/M2053

"Material inspected at the vendors' works by BHEL appointed third party inspection agency or BHEL representative or customer representative (if required) for which two-week advance intimation shall be given by the supplier. However, the final inspection for acceptance of material shall be done by BHEL Quality Inspector at BHEL Jhansi works and in case of rejection, the material has to be replaced free of cost."

8.Vendor to comply PQR attached and provide necessary documents along with Technical offer.

9.SINCE, INPUT CREDIT OF GST WILL BE AVAILABLE TO BHEL-JHANSI ONLY AFTER CORRECT FILING OF RETURN AND PAYMENT OF APPLICABLE GST BY SUPPLIER,REIMBURSEMENT OF GST SHALL BE MADE BY BHEL-JHANSI ON MATCHING OF VENDOR INPUTS AT GST PORTAL AND AFTER ENSURING AVAILABILITY OF INPUT CREDIT TO BHEL-JHANSI.PAYMENT OF TAX SHALL BE DONE ONLY AFTER AVAILING MATCHING ITC,IN ALL CASES WHERE BILLS ARE SUBMITTED DIRECTLY TO BHEL-JHANSI OR THROUGH BANK OR UNDER LC OR THROUGH ANY OTHER MODE.

10.Vendor to comply the PPP-MII policy and local content should be minimum 20%.

"For this procurement, the local content to categorize a supplier as a Class-I local supplier/ Class-II local Supplier/ Non-local supplier and purchase preference to Class I local supplier, is as defined in Public Procurement (Preference to Make in India), Order 2017 dated 19.07.2024 issued by DPIIT. In case of subsequent orders issued by the nodal ministry, changing the definition of local content for the items of the NIT, the same shall be applicable even if issued after issue of this NIT,but before opening of Part-II bids against this NIT Vendors shall have to declare following details in their offer-

- (a.) Percentage of local content
- (b.) Self certification of local content.
- (c.) Details of location(s) of local value addition.

11.LD / PENALTY FOR DELAYED PERFORMANCE IS AS PER GENERAL TERMS AND CONDITION (GTC) CLAUSE SL NO 8.

12. +/- 5% weight variation shall be applicable as per relevant MMI.

13. 2 coats of epoxy red oxide primer paint on Superstructure is to done by supplier before supply.

14.THE EVALUATION CURRENCY FOR THIS TENDER SHALL BE INR.

15.Vendor having "D rating" in the BHEL Jhansi PMD on the date of technical bid opening , their offer will not be considered for further processing.

16.ALL OTHER TERMS AND CONDITION UNLESS OTHERWISE SPECIFIED AND DIRECTED ARE AS PER GENERAL TERMS AND CONDITION OF PURCHASE ENQUIRY.

In case the bidder has not submitted PAN No, TIN No. and E-mail ID, the bidder has to submit the same along with the copy of PAN No and TIN No. Else his offer will be liable to be rejected.

If you are not in a position to quote due to any reason, you must send regret letter titled enquiry no. etc,failing which you may not be considered for sending future enquiries.

ENCLOSERS:

DRAWING



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FOR AND ON BEHALF OF
BHARAT HEAVY ELECTRICALS LTD

Amish
29/08/2025

AMITESH KUMAR
MANAGER (MM-2)
Email:-AMITESH@BHEL.IN

***** END OF PURCHASE ENQUIRY*****

NOTE :

- * THE BIDDER IS INFORMED THAT THE GENERAL TERMS & CONDITIONS OF ENQUIRY (JHS 2055A Rev 03) WHICH ARE UPLOADED AT <https://jhs.bhel.com/apps/sip/index.php> AT (TERMS & CONDITION -> FOR ENQUIRY) LINK, ARE TO BE READ BY THE BIDDER BEFORE SUBMITTING QUOTE IN THE ENQUIRY. BHEL SHALL CONSTRUCT THE PARTICIPATION BY THE BIDDER IN ENQUIRY AS ACCEPTANCE TO THE GENERAL TERMS AND CONDITIONS OF ENQUIRY.
- * SUPPLIERS ARE REQUESTED TO INFORM US WITH VALID CERTIFICATE, IF THEY ARE REGISTERED UNDER MSMED ACT'2006. (APPLICABLE FOR INDIAN SUPPLIERS ONLY).
- * FOR SUPPLIERS SUPPLYING FROM OUTSIDE THE LOCAL AREA OF BHEL JHANSI, ENTRY TAX WILL BE APPLICABLE. SUPPLIERS SHOULD NECESSARILY INDICATE RATE OF ENTRY TAX SEPARATELY WHEREVER APPLICABLE. THEY SHOULD ALSO MENTION THE ENTRY TAX CHARGED SEPARATELY IN THE INVOICE.
- * FOR SUPPLIERS SUPPLYING FROM OUTSIDE UP, IN CASE THE OFFER IS SILENT ON ENTRY TAX, IT SHALL BE LOADED SUITABLY WITH THE APPLICABLE RATES
- * IN CASE IF THERE IS ANY DIFFERENCE BETWEEN THE 'SPECIAL REMARKS/ANNEXURES' OF THE ENQUIRY AND THE PREPRINTED TERMS & CONDITIONS (REF JSC140/M2053), THE REQUIREMENT GIVEN IN REMARKS WILL PREVAIL.
- * Reference Sl. No. 2(B) of General Terms and Conditions regarding option for offer submission through Email addressed to tenderbox.jhs@bhel.in , please note that the maximum mail size including attachments should not exceed 15 MB , otherwise the offer shall not be delivered due to size limitation and bidder sending mail attachments more than 15 MB will have no claim whatsoever on the subject tender . Also due to any technical snag , if offer has not reached tenderbox.jhs@bhel.in , it will be bidder's sole responsibility to ensure offer submission through alternate routes before the due date and time .BHEL will not entertain any such claim for non-receipt of offer on time .

<u>PQR Qualification</u>		Bidder : M/s _____	
1	1) Bidder must have successfully completed the supply of any of following in last 8 years ending 31.07.2025: (i)At least one set Loco Superstructure Assembly, OR (ii)Single job/ Assembly of Sheet Metal Fabrication (up to 6mm thick) of at least 3.5 MT.	Please ensure to submit the relevant documents.	PO No. _____, qty _____, Supplied to _____ (Copy of PO and Tax Invoice/ Delivery Challan of above must also be enclosed)
2	2) If supply was done to BHEL, Jhansi, bidder should mention the reference PO No. against which supply was completed.		
3	3) If supply was done to a company other than BHEL, Jhansi, bidder to furnish copy of following documents along with their bid: (i)Reference Purchase order Copy (ii)Tax Invoice(s) w.r.t. supplies completed against above submitted Purchase order.	Please ensure to submit the relevant documents.	PO No. _____, qty _____, Supplied to _____ (Copy of PO and Tax Invoice/ Delivery Challan of above must also be enclosed)

Bidder Sign & Seal

BHARAT HEAVY ELECTRICALS LIMITED JHANSI - 284120

(A Govt. of India undertaking)

Material Management Department

ANNEXURE-B

ENQUIRY NO. -E97250009

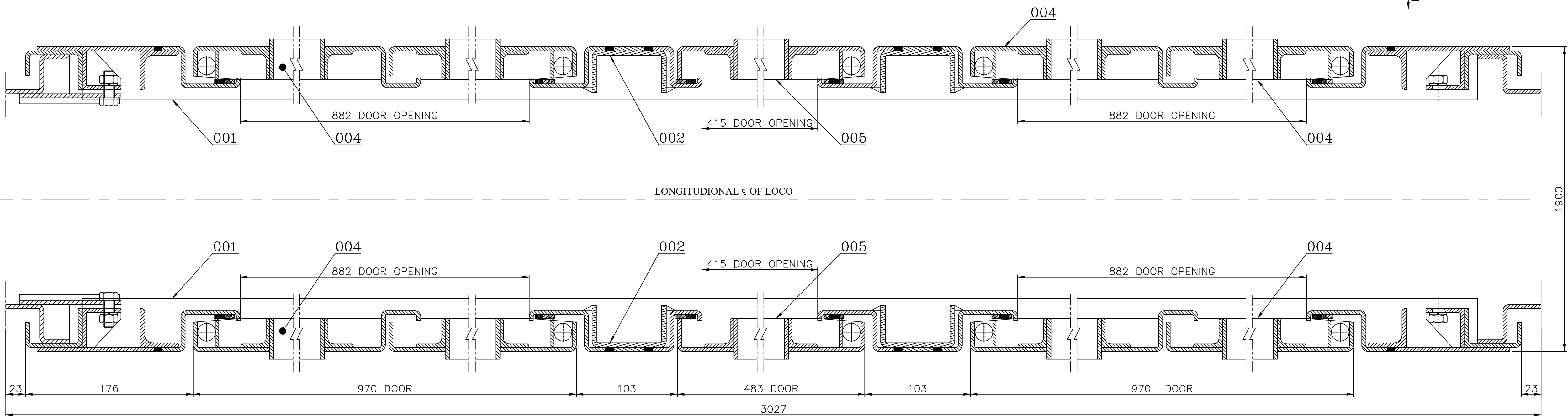
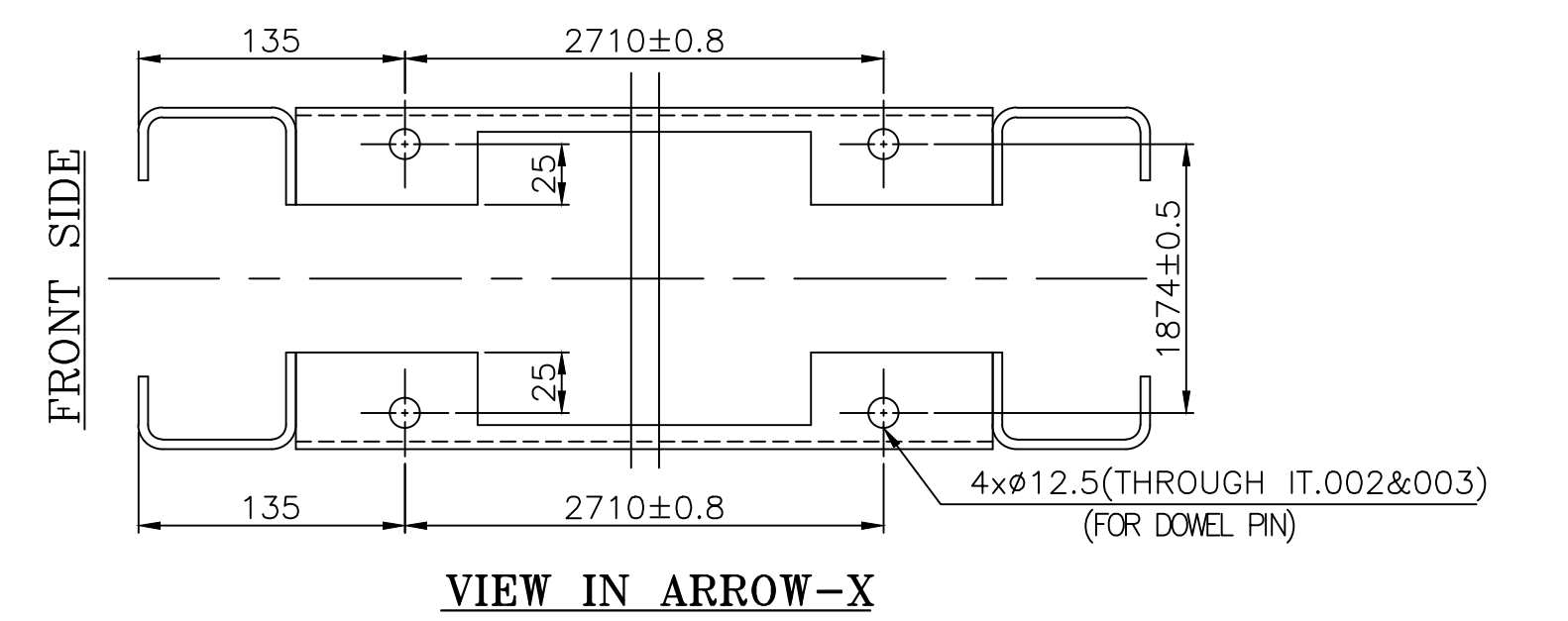
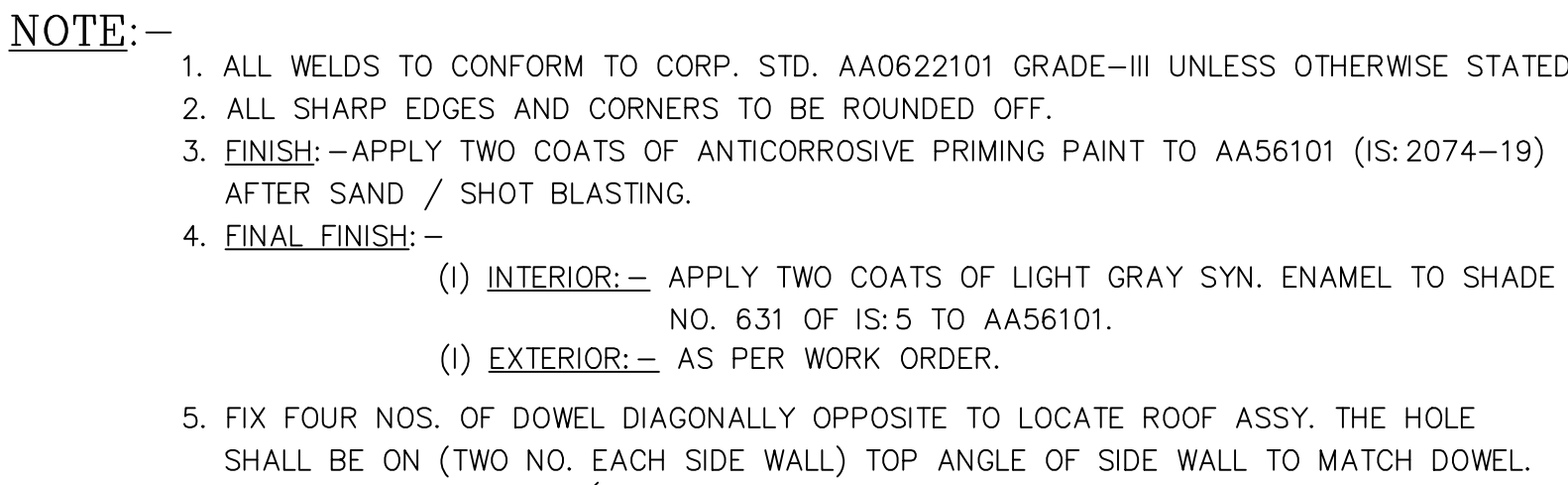
Mandatory sheet regarding instruction to bidders for compliance for enquiry

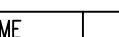
Important: This format is to be submitted, along with Part-1 of bid, duly signed by the bidder. Any deviation from the T&C mentioned below is not acceptable. Offers received without this acceptance will be treated as non-responsive and shall be liable for rejection.

Sl no	Description	Supplier's comments confirmation/ (Tick appropriate Answer)
1	We confirm that our offer meets all the technical requirements as given in the enquiry item description, technical annexure & remarks of the tender.	☐ Accepted
2	Is there any technical deviation from the item specification mentioned in enquiry Note: Offers with technical deviations are liable for rejection	☐ YES, Mention the deviation in the technical offer ☐ No
3	Taxes & duties to be quoted as per GST act 2017	☐ Accepted
4	Offer should remain valid up to 90 days from the tender opening date	☐ Accepted
5	Rate of GST applicable on item	_____ % Extra GST
6	Shortest Delivery period in number of days/Weeks/months from date of Purchase Order for supply of items.	_____ PO Date
7	Inspection clause as per Purchase Enquiry remark	☐ Accepted
8	Prices should be remain firm till execution of the contract	☐ Accepted
9	Warranty clause as per Purchase Enquiry remark	☐ Accepted
10	Warranty replacement: Goods shall comply with the specifications for material, workmanship and performance. Any replacement of defective/failed item due to unsatisfactory performance and defects in design, materials and workmanship during above warranty period shall be replaced/ repaired free of cost within one month from date of intimation on the basis of FOR BHEL Jhansi/ Customer site. Customs clearance and duty payments, if any, for such cases shall be to the account of vendor only.	☐ Accepted
11	Test certificate / Warranty certificate/ Conformance certificate/ Instructions Manuals as specified in enquiry header will be provided along with supply.	☐ Accepted
12	BHEL reserves the right to go for reverse auction(RA) for finalisation of purchase order ,Applicability As per enquiry	☐ Accepted
13	Vendor to submit GSTIN certificate and copy of PAN card along with Part-1 of bid.	☐ Accepted
14	Risk Purchase- If the material is not supplied within the agreed delivery period, BHEL reserves the right to cancel the order and purchase the material (of the undelivered portion from alternate source(s) at the Risk and Cost of the Seller.	☐ Accepted
15	The General Terms and Conditions (GTC) of Enquiry for - JHS 2055A Rev 03 sent along with purchase enquiry as annexure-A as well as uploaded on SIP at https://www.bheljhs.co.in/apps/sip/enq_terms/enq_terms18042017.pdf has been read by us and we confirm acceptance of all the General Terms & Conditions of Enquiry.	☐ Accepted
16	Basic rate quoted is inclusive of packing & forwarding charges NOTE:- If P&F price not mentioned will be treated as zero.	☐ YES No, Mention P&F charges as % of basic Price

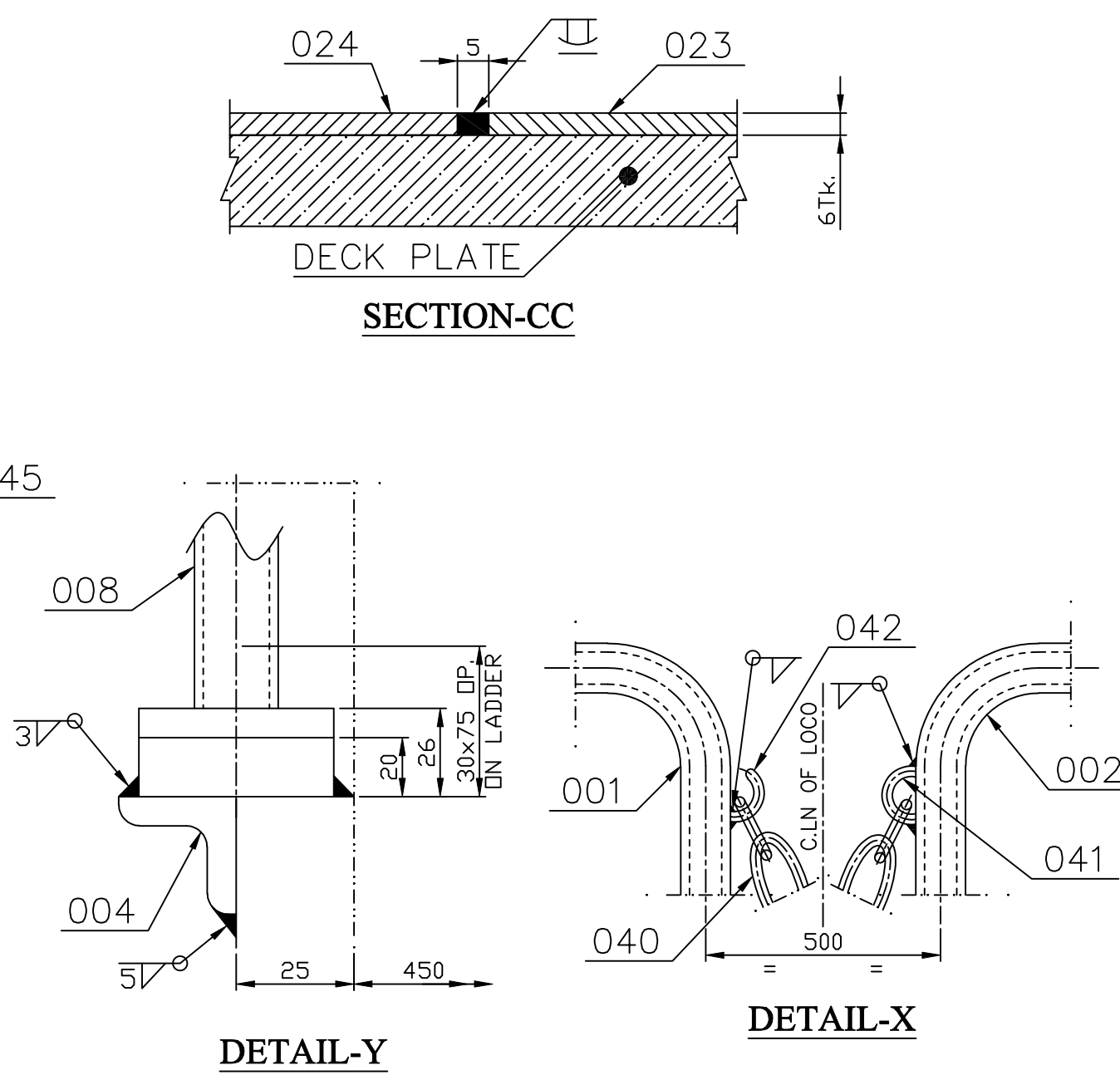
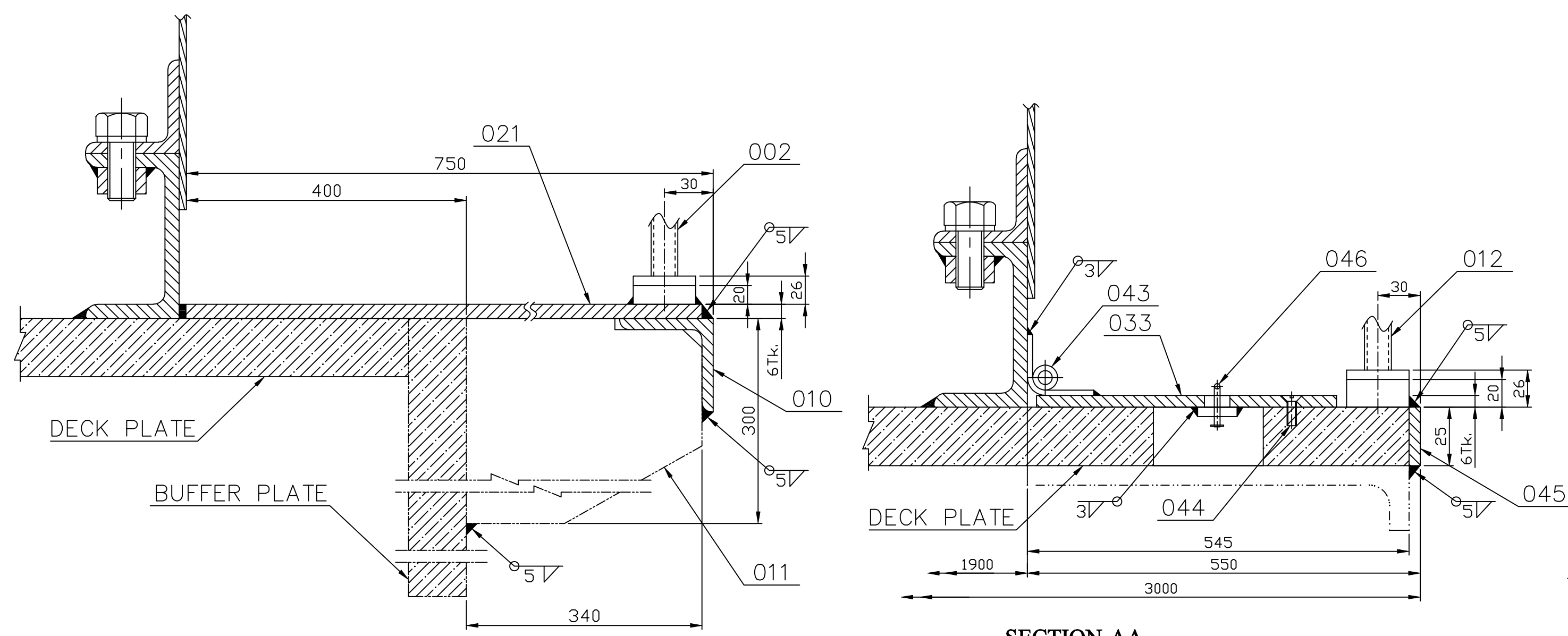
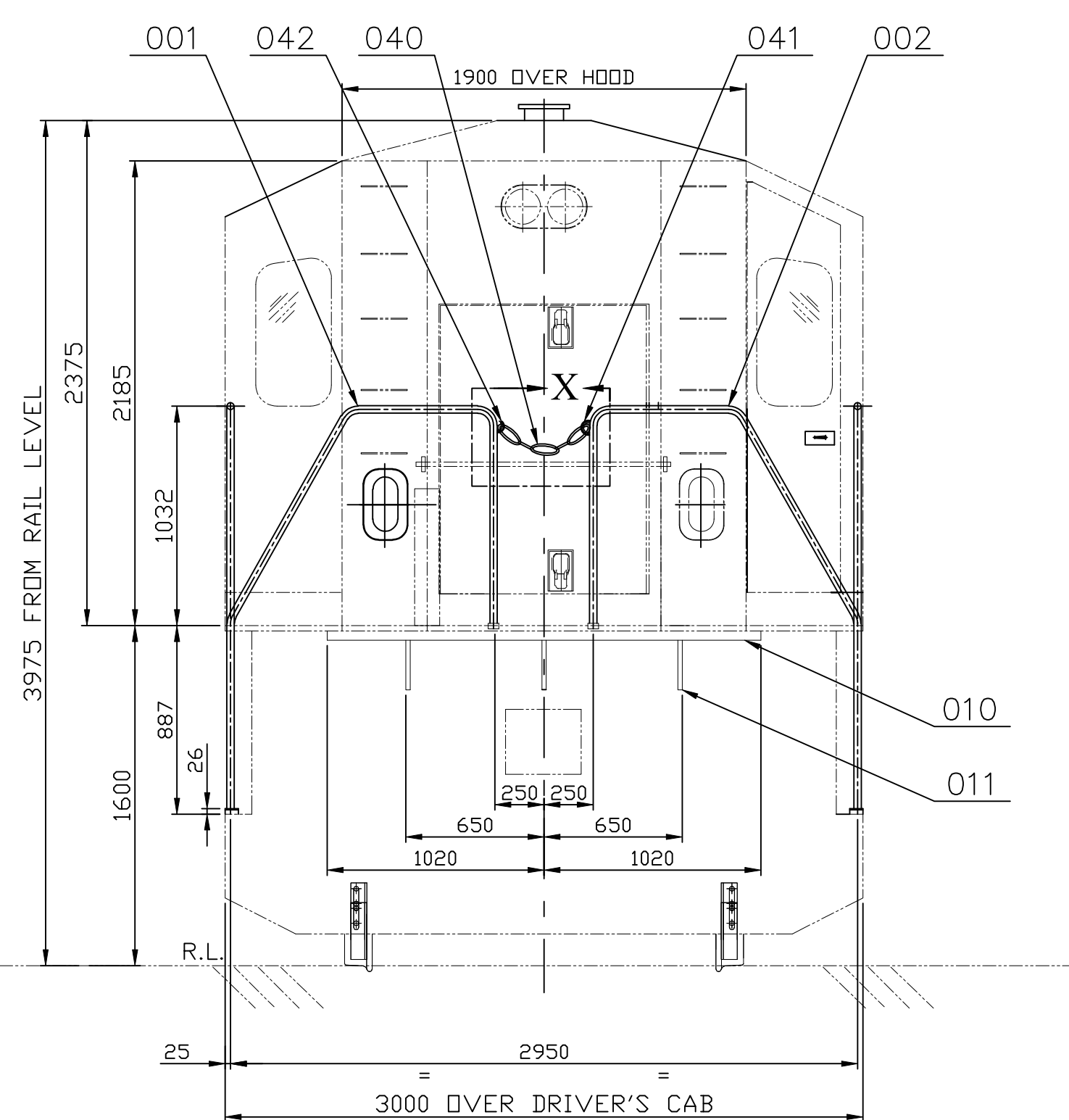
17	Liquidated damage (L.D)- A. LD shall be 0.5% of the order value per week of delay or part thereof subject to a maximum of 10% of the full order value. B. In case of any change to the order value, the LD shall be 0.5% of the revised order value per week of delay or part thereof subject to a maximum of 10% of the revised order value. C. In case of staggered delivery schedule, LD shall be 0.5% per week of delay or part thereof subject to maximum of 10% of the undelivered portion. Delivery date as per terms and conditions of purchase order shall be considered as reference date for calculation of LD. Reference date shall be HAWB date for calculation of LD for foreign supplier. In case of non-acceptance of BHEL LD clause, the suitable loading up to 10% shall be done on suppliers quoted rate to arrive at L-1 status	☐ Accepted
18	Rates quoted in the price bid are on -: FOR BHEL JHANSI (Freight and insurance up to "BHEL JHANSI " is in vendor Scope and charges are inclusive in quoted price).	☐ Accepted
19	PAYMENT TERMS 100 % payment within 90 days (45 days for MSE (micro and small category) suppliers as per relevant act in force) from the date of receipt Of material and submission of clear and admissible bill, Subject to acceptance of material at BHEL, on direct presentation of the documents.	☐ Within 45 days (For Micro and Small Category vendor , UDYAM attached) ☐ Within 90 days
If vendor is MSE (Micro and small category) kindly submit Updated UDYAM cetificate		
*Payments to vendors who are seeking benefits under MSE act shall not be entertained if the Udyam registration submitted by them is not valid on the date of Purchase Order and date of supply (SRV Date of BHEL). It is hence in the interest of the vendor that they validate the status of udyam registration regularly with BHEL. * Benefits earmarked for Purchase from Micro & Small Enterprises (MSEs) – Indigenous Purchase is mentioned in annexure A sl no 22. (Latest Indian government rule shall be applicable) * Any deviation from the above payment terms, if accepted (by BHEL), shall be loaded @ SBI base rate (as on date of Part I bid opening) + 6% per annum, for the purpose of bid evaluation.		
20	Local content in item if any raw material purchasing or manufacturing is being done outside India. Vendor has to provide a certificate from the statutory auditor or cost auditor of the company(in the case of companies) or from practicing Cost Accountant or from a practicing CA(in respect of suppliers other than companies) giving the percentage for Local content in cases of procurement for a value in excess of Rs. 10 Cr.	Yes _____% ☐ Not applicable if all activities performed in India
21	TECHNICAL DETAILS TO BE SUBMITTED BY BIDDERS ALONG WITH OFFER.	☐ Yes ☐ Yes
22	I certify that- (a) I am not suspended by BHEL Jhansi or any other unit/office of BHEL or any other government organization, and (b) I am not guilty by court of law in India for any offence involving fraud, dishonesty and moral turpitude.	☐ Yes I Certify

23	Vendor to comply the PPP-MII policy and local content should be minimum 20%. "For this procurement, the local content to categorize a supplier as a Class-I local supplier/ Class-II local Supplier/ Non-local supplier and purchase preference to Class I local supplier, is as defined in Public Procurement (Preference to Make in India), Order 2017 dated 19.07.2024 issued by DPIIT. In case of subsequent orders issued by the nodal ministry, changing the definition of local content for the items of the NIT, the same shall be applicable even if issued after issue of this NIT, but before opening of Part-II bids against this NIT Vendors shall have to declare following details in their offer- (a.) Percentage of local content (b.) Self certification of local content. (c.) Details of location(s) of local value addition.	Enclosed
24	A bidder shall not have conflict of interest with other bidders. Such conflict of interest can lead to anti-competitive practices to the detriment of Procuring Entity's interests. The bidder found to have a conflict of interest shall be disqualified. A bidder may be considered to have a conflict of interest with one or more parties in this bidding process, if: a) they have controlling partner (s) in common; Or b) they receive or have received any direct or indirect subsidy/ financial stake from any of them; Or c)they have the same legal representative/agent for purposes of this bid; Or d)they have relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the bid of another Bidder, Or e) Bidder participates in more than one bid in this bidding process. Participation by a Bidder in more than one Bid will result in the disqualification of all bids in which the parties are involved. However , this does not limit the inclusion of the Components/ sub-assembly/ Assemblies from one bidding manufacturer in more than one bid; Or f) In cases of agents quoting in offshore procurements, on behalf of the ir principal manufacturers, one agent cannot represent two manufacturers or quote on their behalf in a particular tender enquiry. One manufacturer can also authorize only one agent/dealer. There can be only one bid from the following: 1. The principal manufacturer directly or through one Indian agent on his behalf; and 2. Indian/foreign agent on behalf of only one principal,? Or g) A Bidder or any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the contract that is the subject of the Bid, Or h) In case of a holding company having more than one independently manufacturing units, or more than one unit having common business owner ship/management, only one unit should quote. Similar restrictions would apply to closely related sister companies. Bidders must proactively Declare such sister/ common business/ management units in same/ similar line of business.	☐ Accepted
25	All the terms mentioned in the Enquiry are clear and acceptable .	Yes (I certify)
	Signature of Supplier & seal	
	Name of contact person	
	Mobile No.	
	E-mail	



ADDITIONAL INFORMATION W.D. No. 34117A32500				CARD TYPE - 1 TYPE OF PRODUCT OR NAME OF COMPANY/PROJECT				CARD TYPE - 2 140nph B.G. Co-Co D.E.COMMODITIVE				
STATUS OF DRAWING U				 BHARAT HEAVY ELECTRICALS LTD. JHANSI				DRN	DKK	SDN	DATE	NO. OF
DISTRIBUTION OF PRINTS LME (DV) - 1 LMP (DV) - 2 LMM (DV) - 3								CHK	SBA		15.07.2020	SHEETS
								APPD	SKK/GR	SD-	15.07.2020	01
REV	DATE	ALTERED	CHECKED	DEPT LME R04	GRADE OF D.T/L C.M/F		SCALE 1 : 6	WEIGHT 930.00(APP)	REF. TO ASSY. NO. 0 718 35 14 000	ITEM NO 005	ITEM NO 016	
TITLE RADIATOR HOOD ASSY.								CARD CODE 0 718 35 17 003	SHEET NO. 01	NO. OF SHEETS 01		
4												

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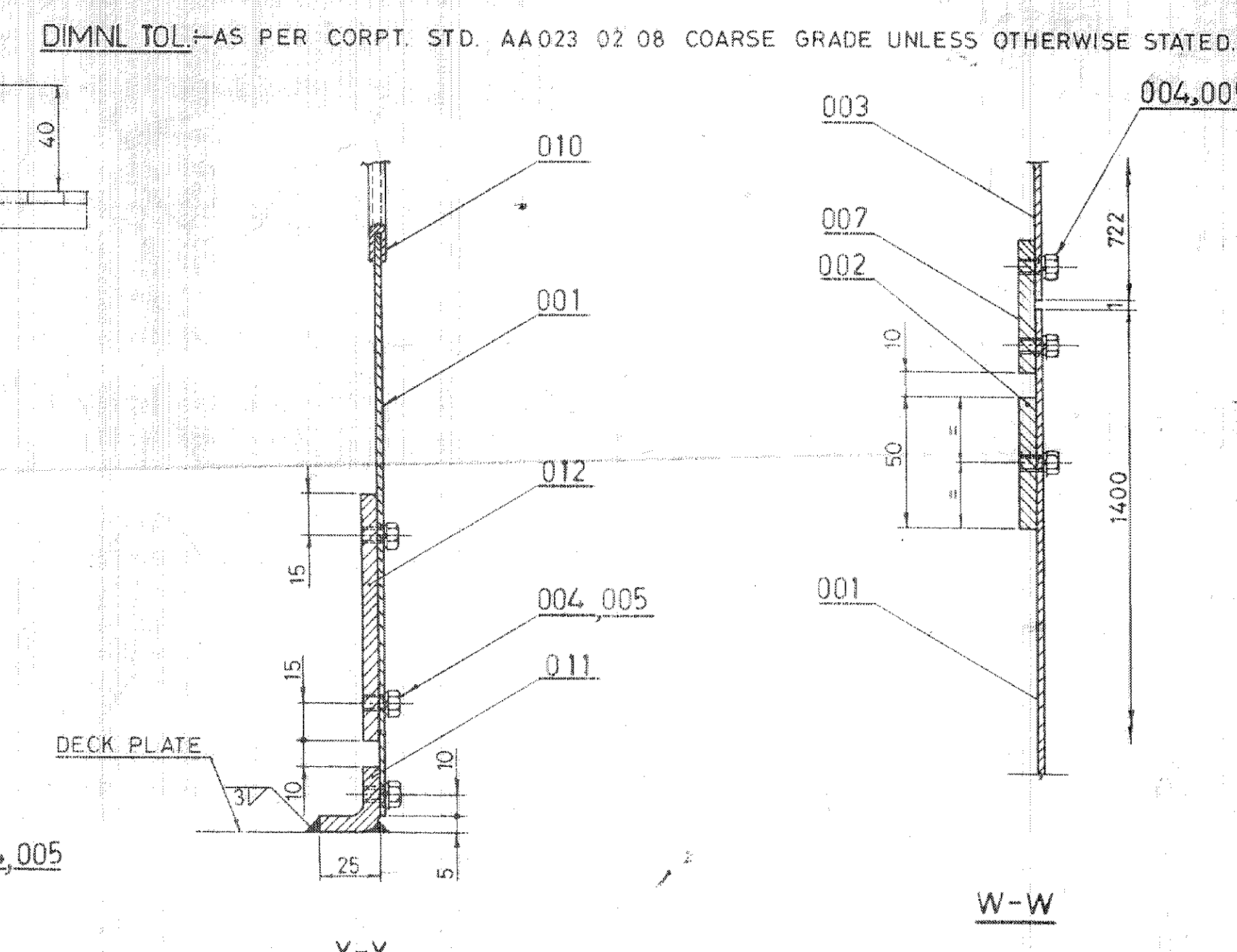
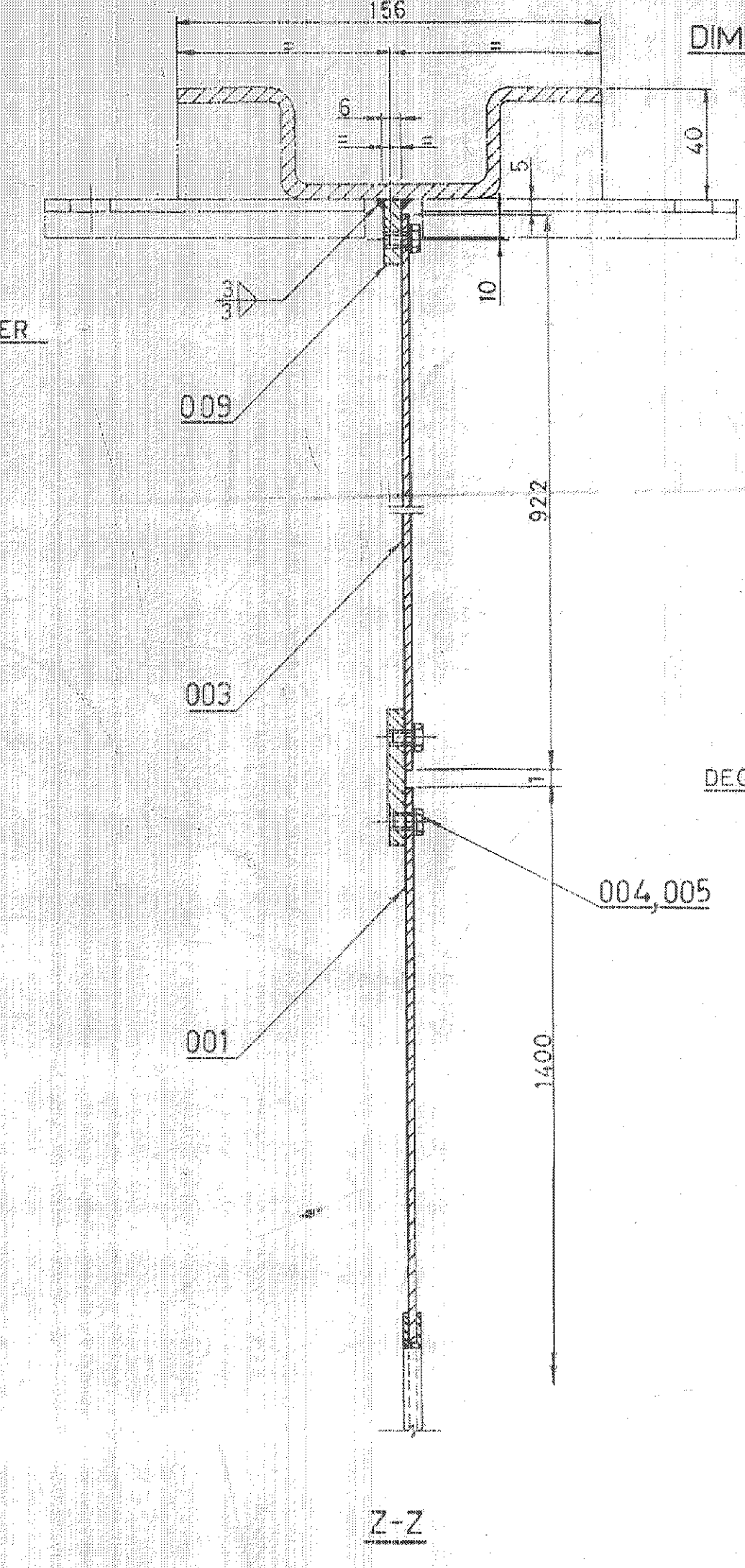
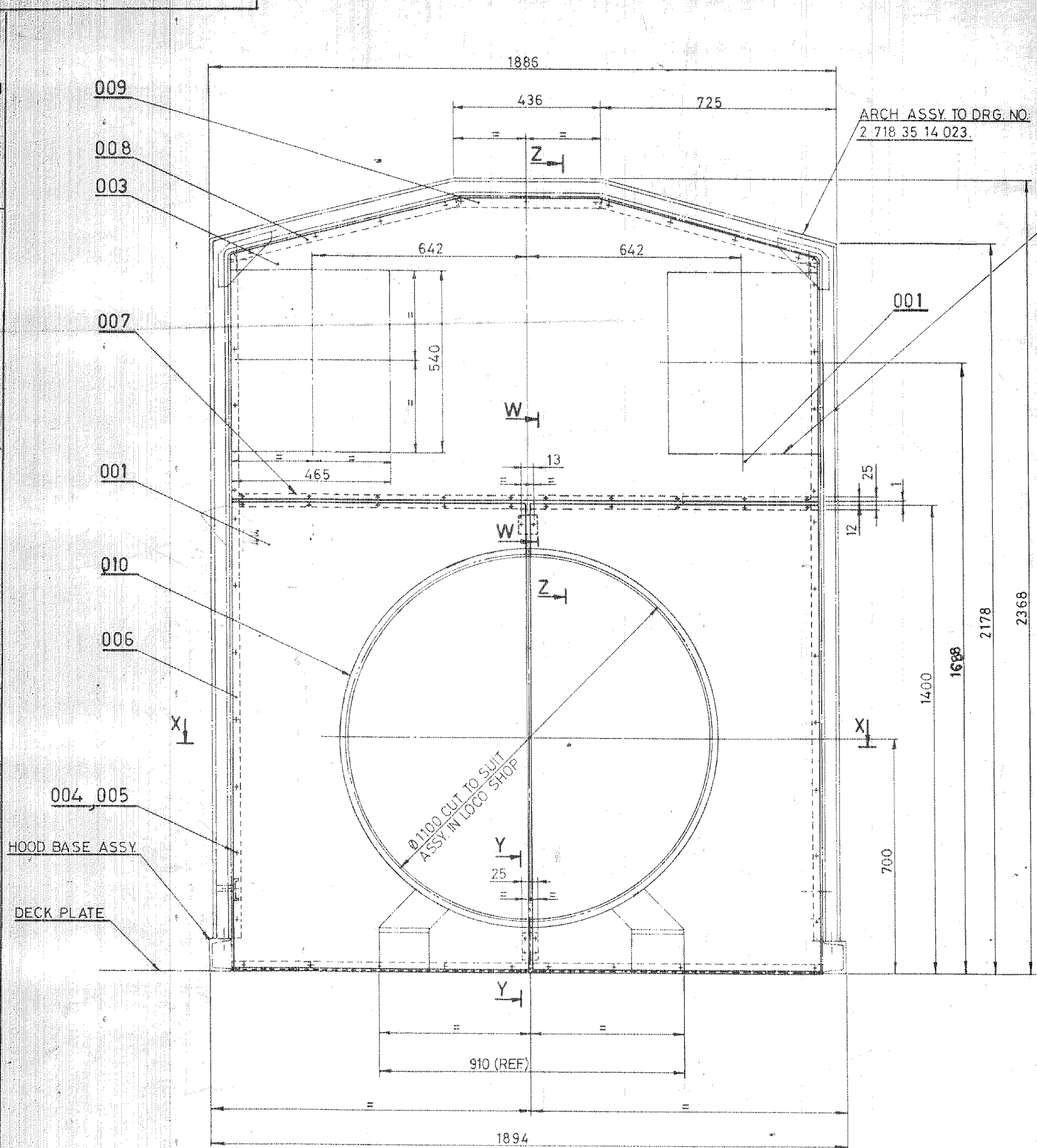
[illegible][illegible]

FINISH:-

1. FAB. ASSY. TO BE SAND/SHOT BLASTED AND TO BE PAINTED TWO COATS OF RED OXIDE PRIMER TO AA56101 (IS:2047-1979)
2. SEMI GLOSSY FINISHING BLACK PRINT TO AA56125 (FOR WALK WAY ONLY).
3. FINAL FINISH:- AS PER WORK ORDER.

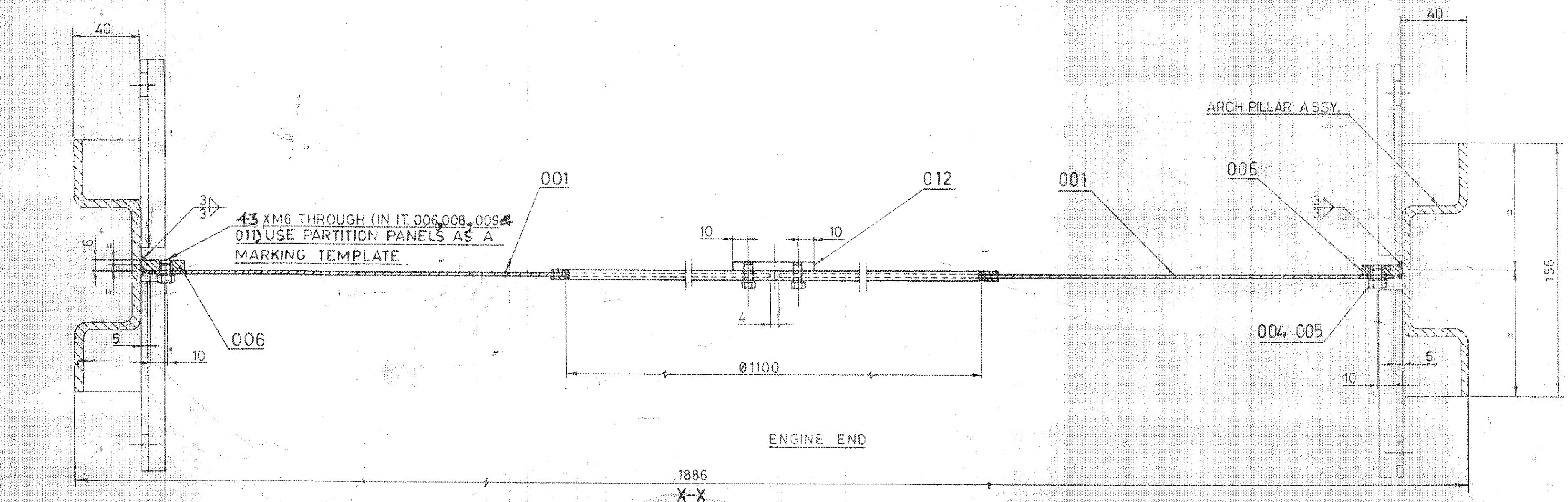
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																05	16.09.2024	CHECKED					04	16.09.2024	CHECKED		

ADDITIONAL INFORMATION				TYPE OF PRODUCT OR		140tph B.G. Co-Co D.E.L.Locomotive													
STATUS OF DRAWING				U		NAME OF CUSTOMER/PROJECT		J.S.W. DOLVI											
DISTRIBUTION OF PRINTS						 BHARAT HEAVY ELECTRICALS LTD. JHANSI		DFN		DKK		SIGN		DATE		NO. OF			
LIME (V) = 1								APPD		SBA				29.07.2020		01			
LMP (V) = 2										SKK/GR				29.07.2020					
LUM (V) = 3														29.07.2020					
LVP (V) = 3																			
REV		DATE		ALTERED BY		DEPT		GRADE				SCALE		WEIGHT [KG]		REF. TO ASST. NO.		ITEM NO.	
6		10/08/2020		DEPT. APPD		CODE		OF				1 : 25		1359.223		7 15 35 17 004		REV.	
IN IT. ITI REFER DGR. NO. WAS 2785354041																		049	
IN IT. ITI REFER DGR. NO. WAS 2785354041																		05	
DGR. REVISION A-UPDATED																			



- NOTE'S:-
1. ALL SHARP EDGES AND CORNERS TO BE ROUNDED OFF
 2. ALL WELDS TO CONFORM TO CORPT. STD. 062 21 01 GRADE III UNLESS OTHERWISE STATED.
 3. FINISH:- I. APPLY TWO COATS OF RED OXIDE PRIMER TO AA 56101 AFTER SAND/SHOT BLASTING.
II. APPLY TWO COATS OF SYNTHETIC ENAMEL LIGHT GRAY (SHADE NO. 631 TO IS:5).

ITEM NO.	DESCRIPTION	QTY	UNIT	REMARKS
001	012 SUPPORT PAD	2	718 35 14 032	004 0106
001	011 FOLDED ANGLE	2	718 35 14 032	003 3400
001	CUT TO SUIT B-OT	010	RUBBER GASKET	4 4 718 88 01 005 ST. 956 061 0-190 3460
001	S.C.O	009	SUPPORT FLAT 6 TK X 25	AA 1010308483 0-581 428
002	S.C.O	008	SUPPORT FLAT 6 TK X 25	AA 1010308483 0-822 685
001		007	SUPPORT FLATE	2 718 35 14 032 005 421
002	S.C.O	006	SUPPORT FLAT 6 TK X 25	AA 1010308483 2-430 2030
061		005	WASHER SPG. SC B6-ST	AA 716402045 0-001
061		004	SCRU. HEX. P. M6X10 LG.	JS 7121125994 0-002 AA 7121125
001		003	TOP PANEL	2 718 35 14 032 001 17-960
001		002	PAD	2 718 35 14 032 002 0-120
002		001	BOTTOM PANEL	2 718 35 14 032 006 22-34



REV	DATE	ALTERED	CHECKED	REV	DATE	ALTERED	CHECKED
01	10-5-06	CHECKED					
ZONE				ZONE			

ADDITIONAL INFORMATION: STATUS OF DRAWING U, DISTRIBUTION OF PRINTS OC-1 PPC-5 LECO SPC DV-2, GCL-1, IE-1.

TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT: 1400 hp D.E. LOCO, BHARAT HEAVY ELECTRICAL LTD, JHANSI.

DRN: A. K. SHARMA, SIGN: D. RAUT, DATE: 17-5-06, NO. OF: 01.

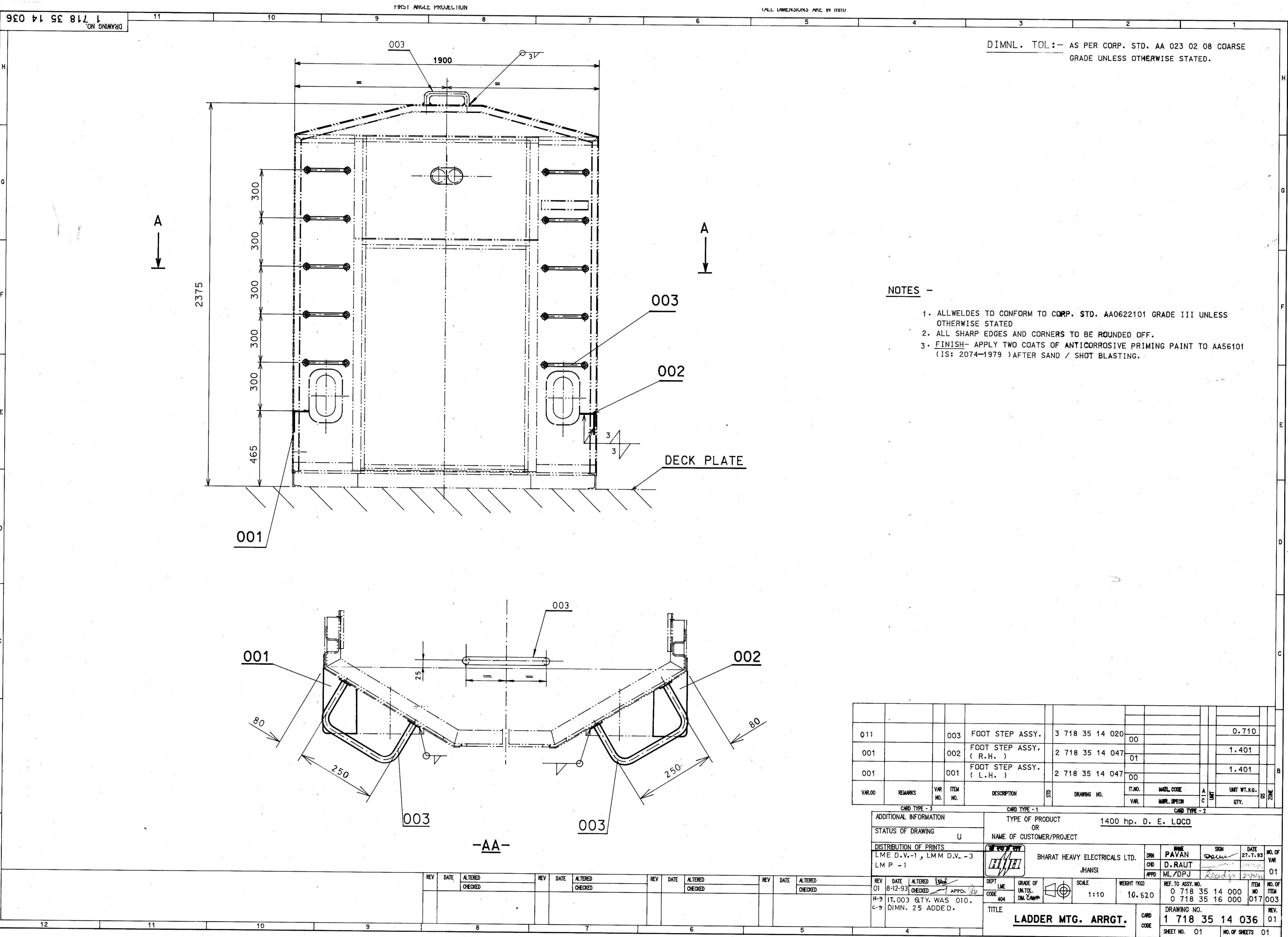
APPRO: PGK/DPJ, DATE: 17-5-06, NO. OF: 01.

REF. TO ASSY. DRG.: 0 718 35 14 000, 0 718 35 16 000, 010 012.

TITLE: PARTITION PANEL ASSY (FOR ALTERN. & ENGINE), DRAWING NO. 1 718 35 14 035, SHEET NO. 01.

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

DESIGN NO. 1800230A-DGN



DIMNL. TOL:- AS PER CORP. STD. AA 023 02 08 COARSE GRADE UNLESS OTHERWISE STATED.

NOTES -

- 1. ALLWELDES TO CONFORM TO CORP. STD. AA0622101 GRADE III UNLESS OTHERWISE STATED
- 2. ALL SHARP EDGES AND CORNERS TO BE ROUNDED OFF.
- 3. FINISH- APPLY TWO COATS OF ANTICORROSIVE PRIMING PAINT TO AA56101 (IS: 2074-1979)AFTER SAND / SHOT BLASTING.

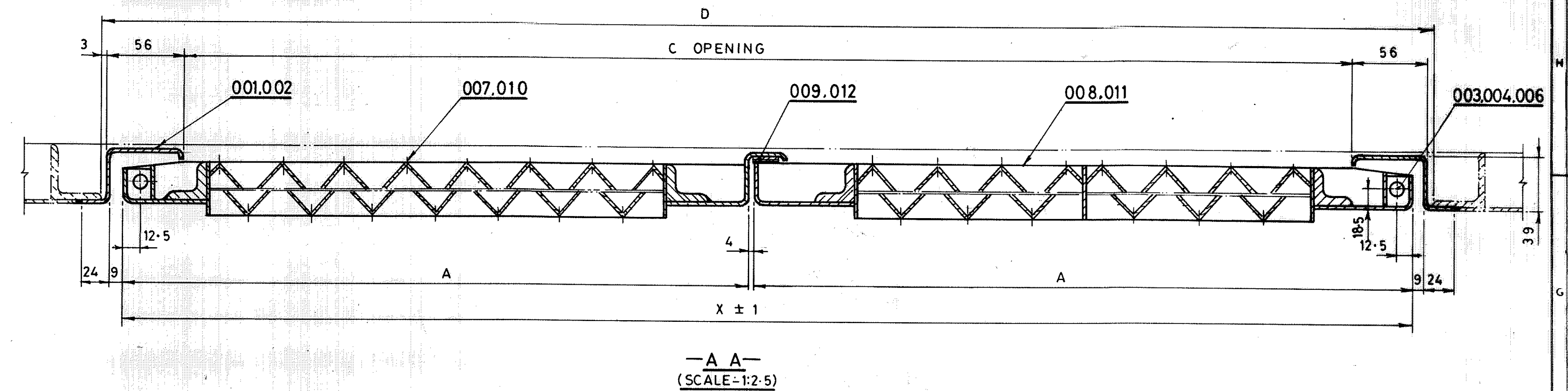
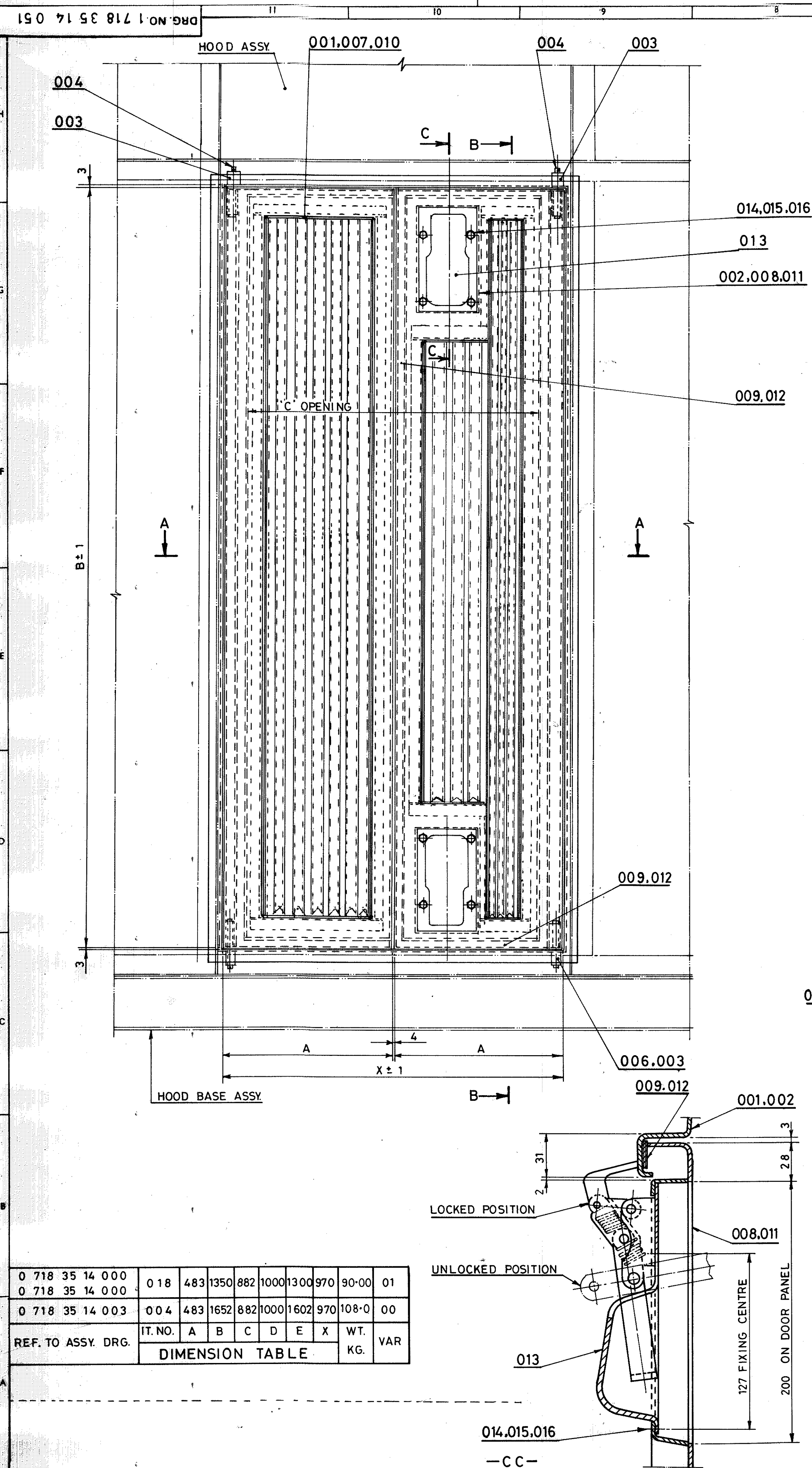
011		003	FOOT STEP ASSY. (R.H.)	3 718 35 14 020	00		0.710	
001		002	FOOT STEP ASSY. (L.H.)	2 718 35 14 047	01		1.401	
001		001	FOOT STEP ASSY. (L.H.)	2 718 35 14 047	00		1.401	
VAR.00	REMARKS	VAR. NO.	ITEM NO.	DESCRIPTION	DRAWING NO.	IT. NO.	MATL. CODE	UNIT WT. KG.
						VAR.	MATL. SPECN	QTY.
CARD TYPE - 3				CARD TYPE - 1				CARD TYPE - 2
ADDITIONAL INFORMATION				TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT				1400 hp. D. E. LQCO
STATUS OF DRAWING				U				
DISTRIBUTION OF PRINTS				Bharat Heavy Electricals Ltd. JHANSI				
LME D.V.-1, LMM D.V.-3 LMP -1				DRN CHD D. RAUT ML/DPJ				DATE 27.7.93
REV 01 8-12-93				DEPT LME				NO. OF VAR 01
H-9 IT.003 QTY. WAS 010. C-9 DIMN. 25 ADDED.				GRADE OF UNLTOL. 404				
				SCALE 1:10				
				WEIGHT (KG) 10.620				
				REF. TO ASSY. NO. 0 718 35 14 000				ITEM NO 017
				DRAWING NO. 1 718 35 14 036				REV. 01
				SHEET NO. 01				NO. OF SHEETS 01
				TITLE LADDER MTG. ARRGT.				SIZE A1

FIRST ANGLE PROJECTION

[ALL DIMENSIONS ARE IN mm.]

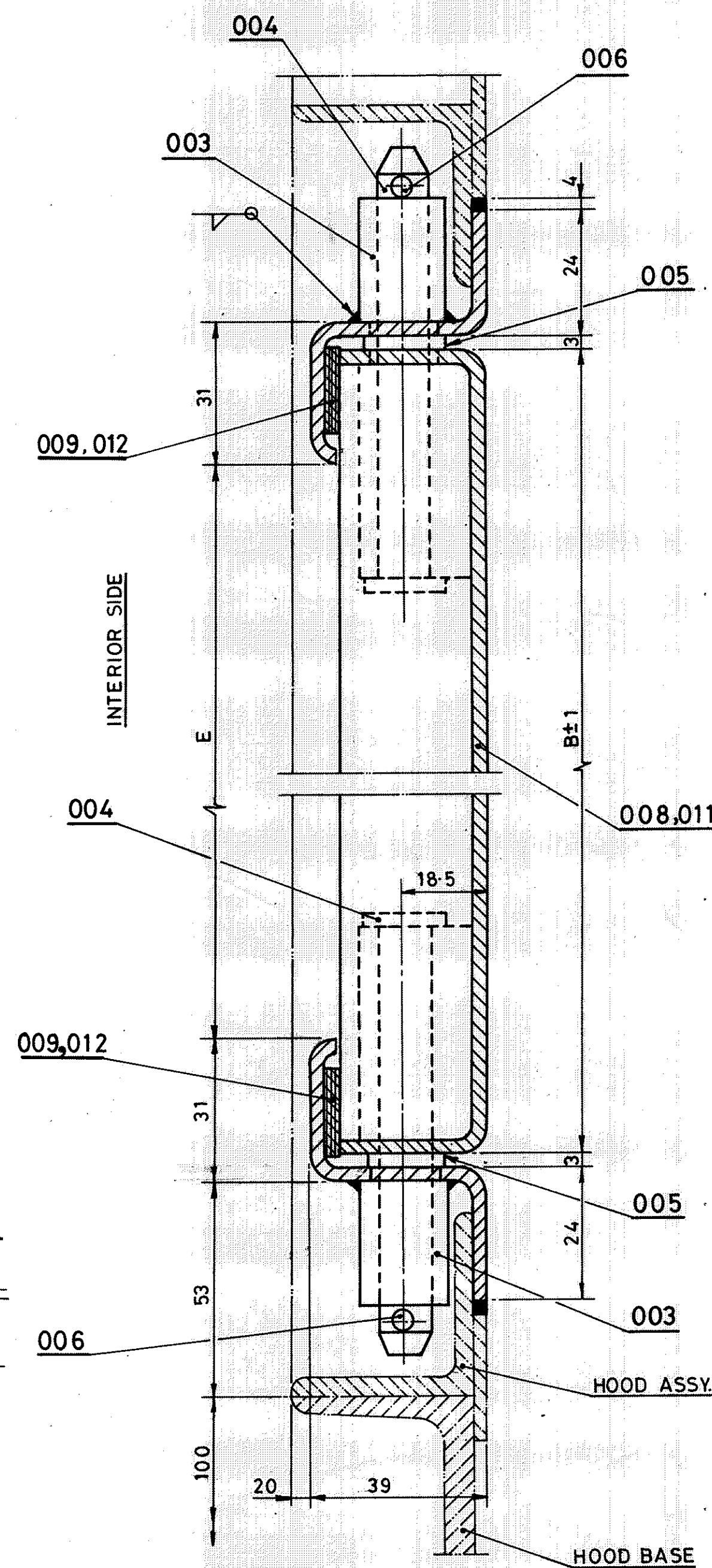
DIMNL.TOL— AS PER CORP. STD. AA 023 02 08 COARSE GRADE UNLESS OTHERWISE STATED.

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.



NOTE —

1. ALL WELDS TO CONFORM TO CORP. STD. AA 062 21 01 GRADE III UNLESS OTHERWISE STATED.
2. ALL SHARP EDGES AND BURRS TO BE REMOVED.
3. INSERT HINGE BLOCK TO IT. NO. 003 IN FRAME AND HINGE PIN IT. NO. 004 AS SHOWN AND ALIGN DOOR SEE PROPER CLEARANCE ON ALL FOUR SIDES AND FREE ROTATION OF DOOR. SEE THAT TOP AND BOTTOM HINGE PIN ARE CONCENTRIC WITH EACH OTHER IF NECESSARY. APPLY GREASE ON THE HINGE PIN.
4. FINISH— APPLY TWO COATS OF ANTI CORROSIVE PRIMING PAINT TO AA 56101 (IS:2074-1979) AFTER SAND / SHOT BLASTING.
5. FINAL FINISH— (A) INTERIOR SIDE— APPLY TWO COATS OF LIGHT GREY (SHADE NO. 631 OF IS:5) SEMI GLOSSY TO AA 56125. (B) EXTERIOR SIDE— AS PER W.O. (NOT IN SCOPE OF FABRICATOR)



ITEM NO.	DESCRIPTION	QTY.	UNIT	REMARKS
008 008	016 WASHER SPG. SC B-6 ST	AA7164002045	0-001	
008 008	015 NUT HEX. HD. M 6	AA7151115 016	0-002	
008 008	014 SCRU. C SK. HD. M 6 X 12 LG.	AA712210 1190	0-007	
002 002	B. OUT	013 DOOR LOCK ASSY.	4 1 718 35 07 113	0-900
001 —	B. OUT LENGTH CUT TO SUIT	012 SELF ADHESIVE NEOPRENE FOAM RUBBER GASKET	4 4 718 91 05 004	1-000
001 —		011 DOOR ASSY. (R.H.)	1 718 35 14 049	34-247
001 —		010 DOOR ASSY. (L.H.)	1 718 35 14 050	38-464
— 001	B. OUT LENGTH CUT TO SUIT	009 SELF ADHESIVE NEOPRENE FOAM RUBBER GASKET	4 4 718 91 05 004	1-500
— 001		008 DOOR ASSY. (R.H.)	1 718 35 14 049	42-464
— 001		007 DOOR ASSY. (L.H.)	1 718 35 14 050	45-709
004 004	006 SPLIT PIN Ø 6.3 X 20 LG.	JS7171089924	0-009	
004 004	005 FRICTIONLESS WASHER	AA7171089	0-005	
004 004	004 HINGE PIN	ST956775	0-087	
004 004	003 HINGE BLOCK ON FRAME	ST956773	0-059	
001 —		002 DOOR FRAME ASSY.	1 718 35 01 007	12-580
— 001		001 DOOR FRAME ASSY.	1 718 35 01 007	13-980
VAR 01	VAR 00	REMARKS	ITEM NO.	DESCRIPTION

CARD TYPE-3

CARD TYPE-1

CARD TYPE-2

ADDITIONAL INFORMATION

TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT

1400 hp D.E. LOCOMOTIVE

STATUS OF DRAWING

U

DISTRIBUTION OF PRINTS

O/C-1, PPC-5, QCL-1, IE-1

LOCO SPC DV-2, ASSY-2

BHARAT HEAVY ELECTRICALS LIMITED JHANSI

DRN. M/S-R.E.S. SIGN. DATE NO. OF VAR.

CHD. D.Raut 26/11/73 02

APPD. D.P.J/P.G.K. 26/11/73

DEPT. CE GRADE OF TOL. DIM. SCALE WEIGHT (kg.) REF. TO ASSY. DRG.

CODE 404 1:5, 1:1 SEE TABLE 0 718 35 14 003

TITLE MTG. ARRG. OF DOUBLE DOOR (FOR RADIATOR ASSY.)

CARD CODE DRAWING NO. 1 718 35 14 051

SHEET NO. 01 NO. OF SHEETS 01

R.E.S.

R.E.S.

R.E.S.

R.E.S.

R.E.S.

R.E.S.

R.E.S.

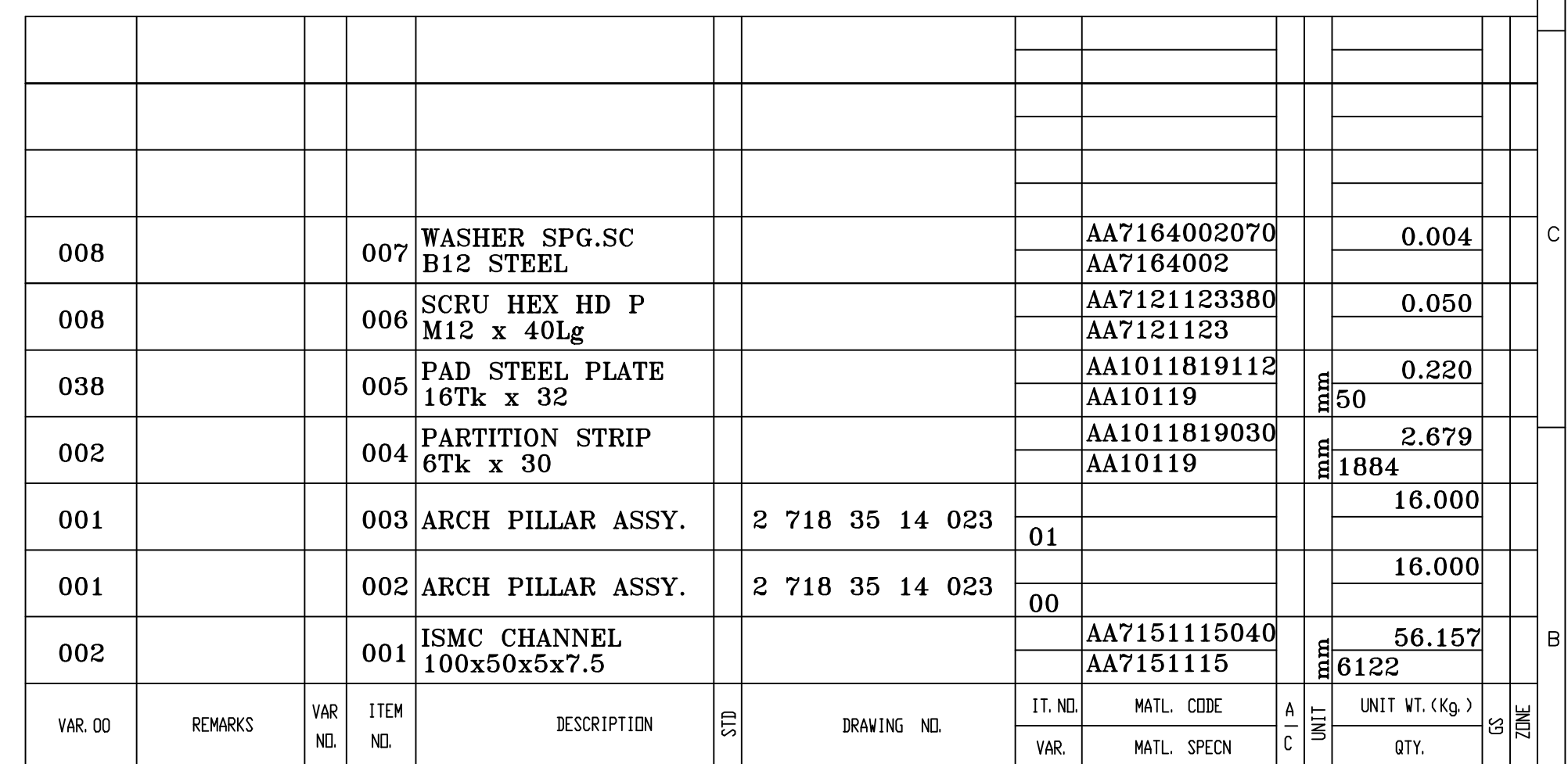
R.E.S.

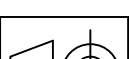
R.E.S.

R.E.S.

NOTES:- AS PER CORP. STD. AA 062 11 04 GRADE OF ACCURACY 'A'
UNLESS OTHERWISE STATED.

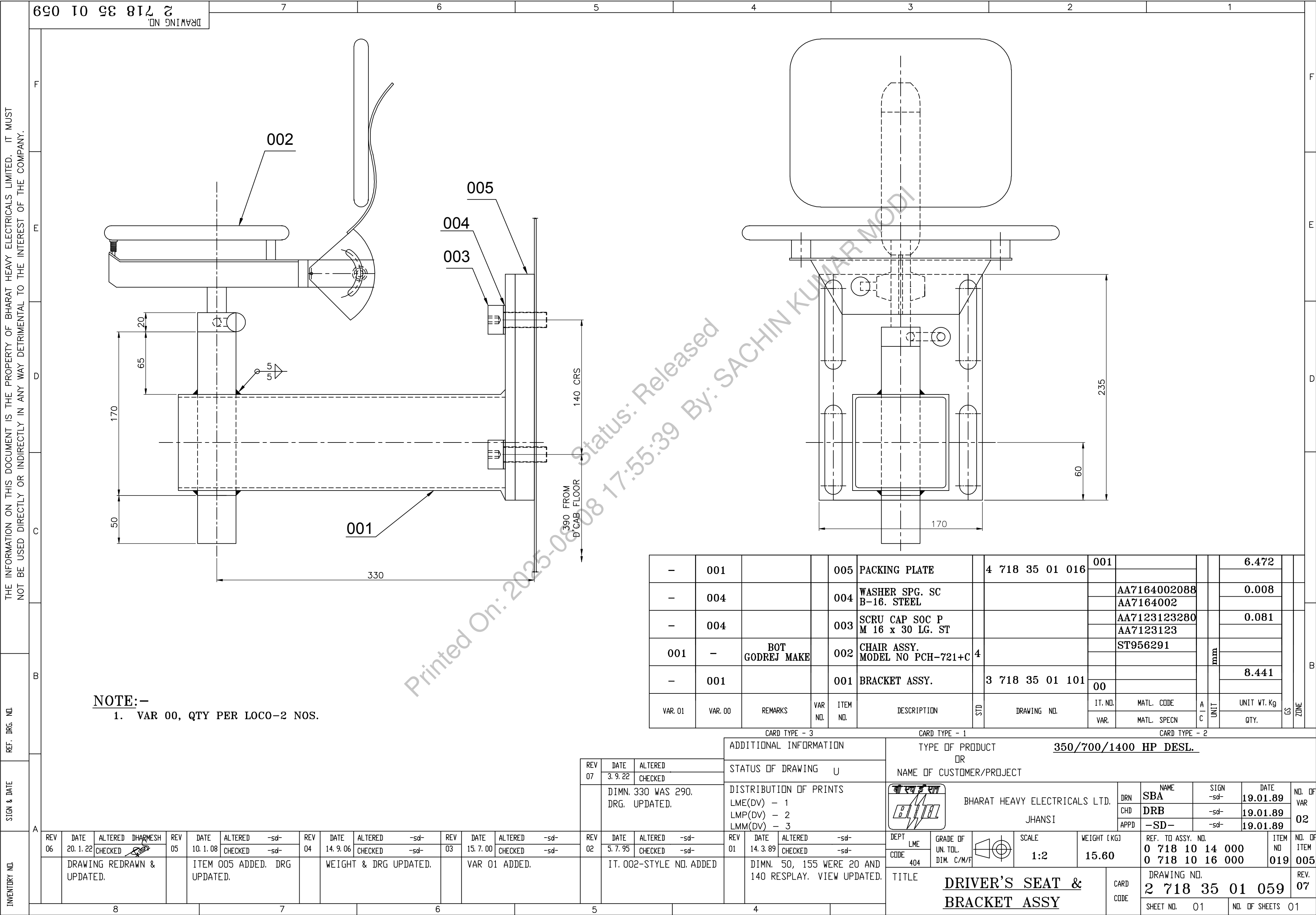
1. ALL WELDS TO CONFORM TO CORP.STD. AA 062 21 01 GRADE III UNLESS OTHERWISE STATED.
2. ALL SHARP EDGES AND CORNERS TO BE ROUNDED OFF.
3. FINISH :- APPLY TWO COATS OF ANTICORROSIVE EPOXIDE PRIMING PAINT AFTER SAND / SHOT BLASTING.



CARD TYPE - 3			CARD TYPE - 1			CARD TYPE - 2			CARD TYPE - 4			
ADDITIONAL INFORMATION			TYPE OF PRODUCT OR			1400hp DE LOCO						
STATUS OF DRAWING U			NAME OF CUSTOMER/PROJECT									
DISTRIBUTION OF PRINTS LME (DV) - 1 LMP (DV) - 1 LMM (DV) - 3			BHARAT HEAVY ELECTRICALS LTD. JHANSI			DRN	NAME Dilip Ku.	SIGN	DATE 26.06.2020	NO. OF VAR		
						CHD	S B Arya		26.06.2020			
						APPD	SKK /GR		26.06.2020	01		
REV	DATE	ALD- CHD	DEPT LME CODE 404	GRADE OF LIN. TOL. DIM. GRD		SCALE 1:7.5	WEIGHT (KGS) 160.00	REF. TO ASSY. NO. 0 718 35 17 002			ITEM NO 004	NO. OF ITEM 007
ZONE								DRAWING NO. 1 718 35 17 003			REV. 00	
4						CARD CODE			SHEET NO. 01			NO. OF SHEETS 01

FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm)



100 50 55 817 20N.DRG.

FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm.)

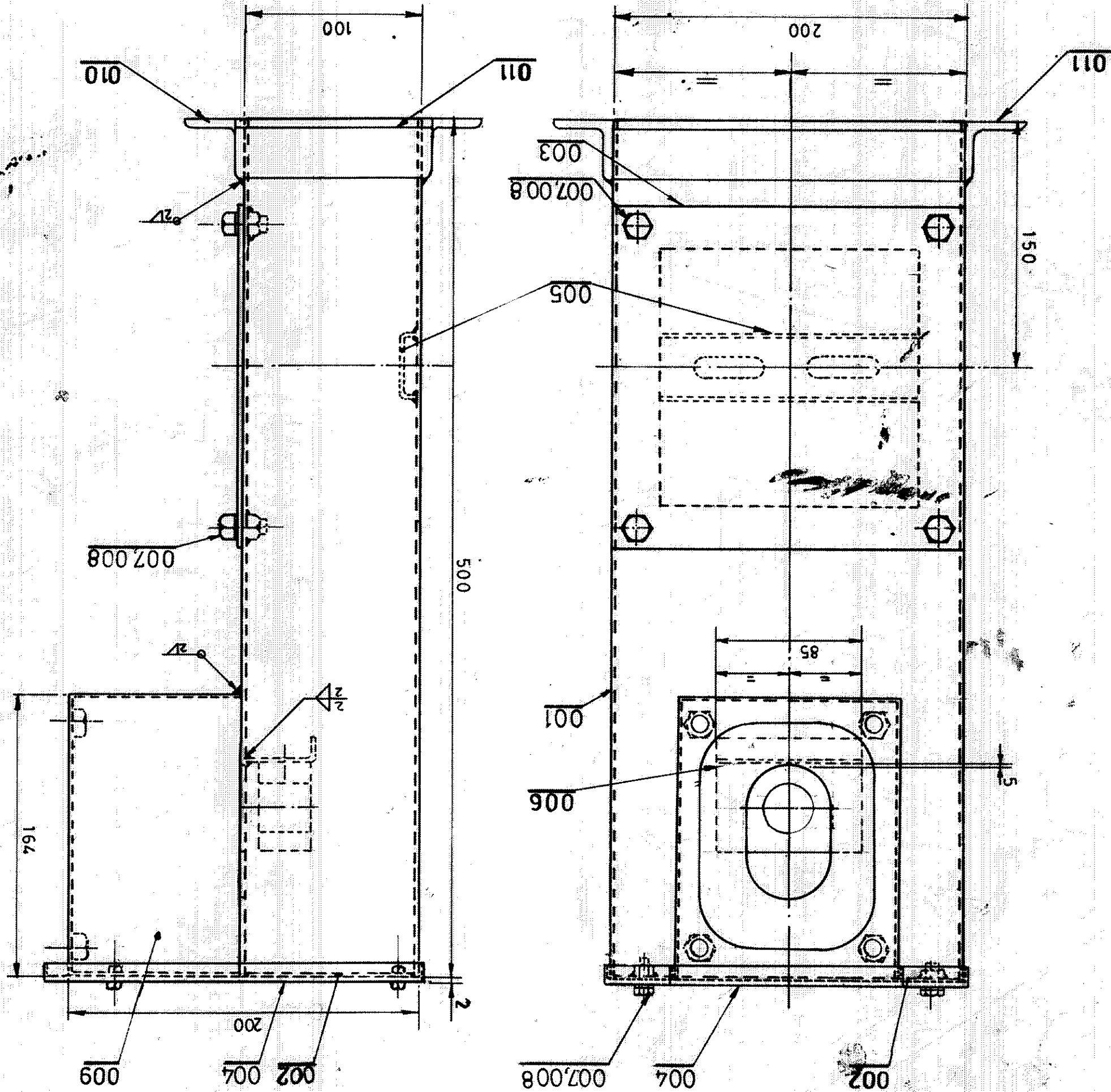
DIMNL. TOL: AS PER CORP. STD AA 023 02 08 COARSE GRADE UNLESS OTHERWISE STATED.

NOTE:-

ALL WELDS TO CONFORM TO CORP. STA0622101 GRADE III UNLESS OTHERWISE STATED.
ALL SHARP EDGES AND BURRS TO BE REMOVED.

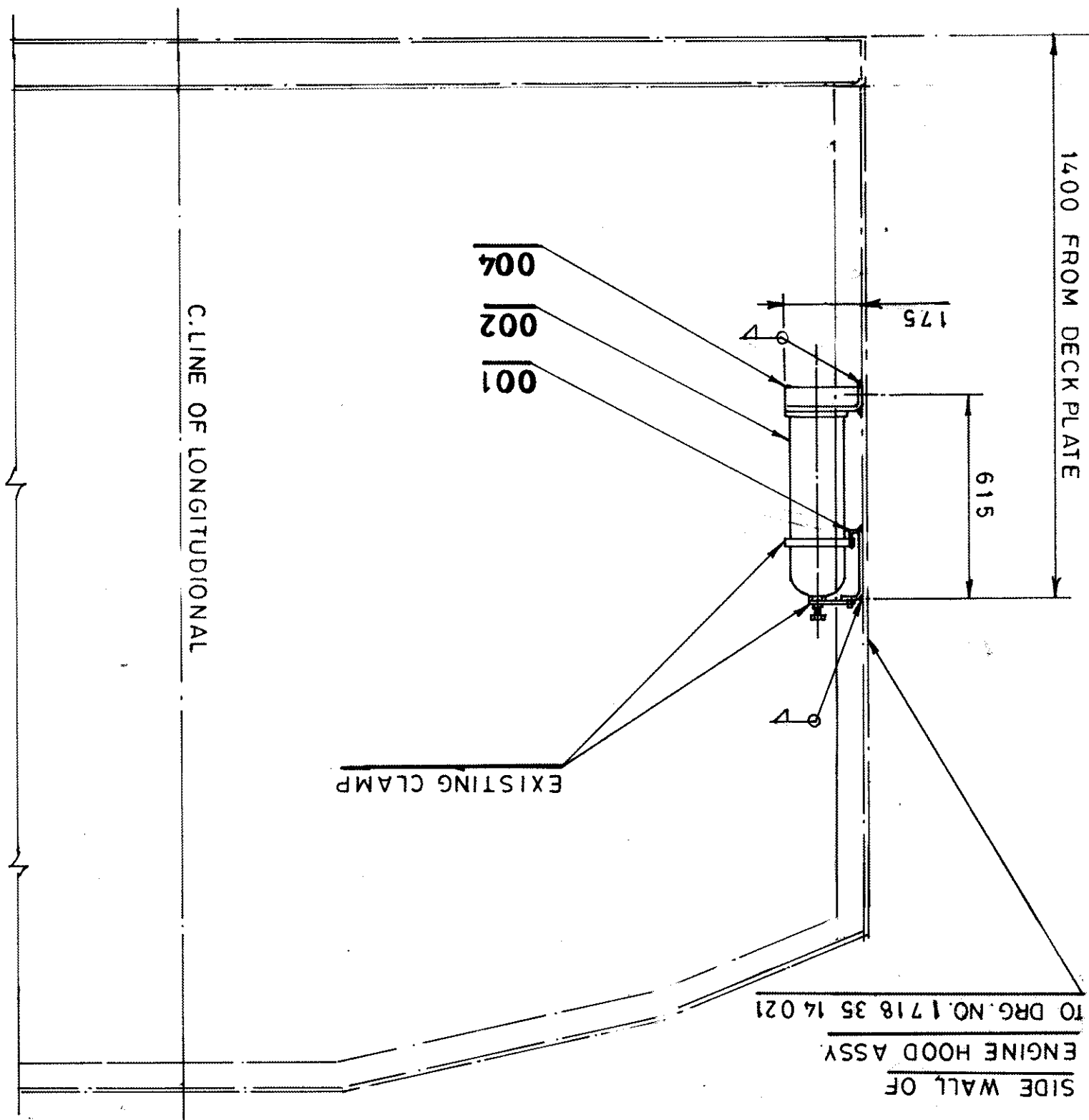
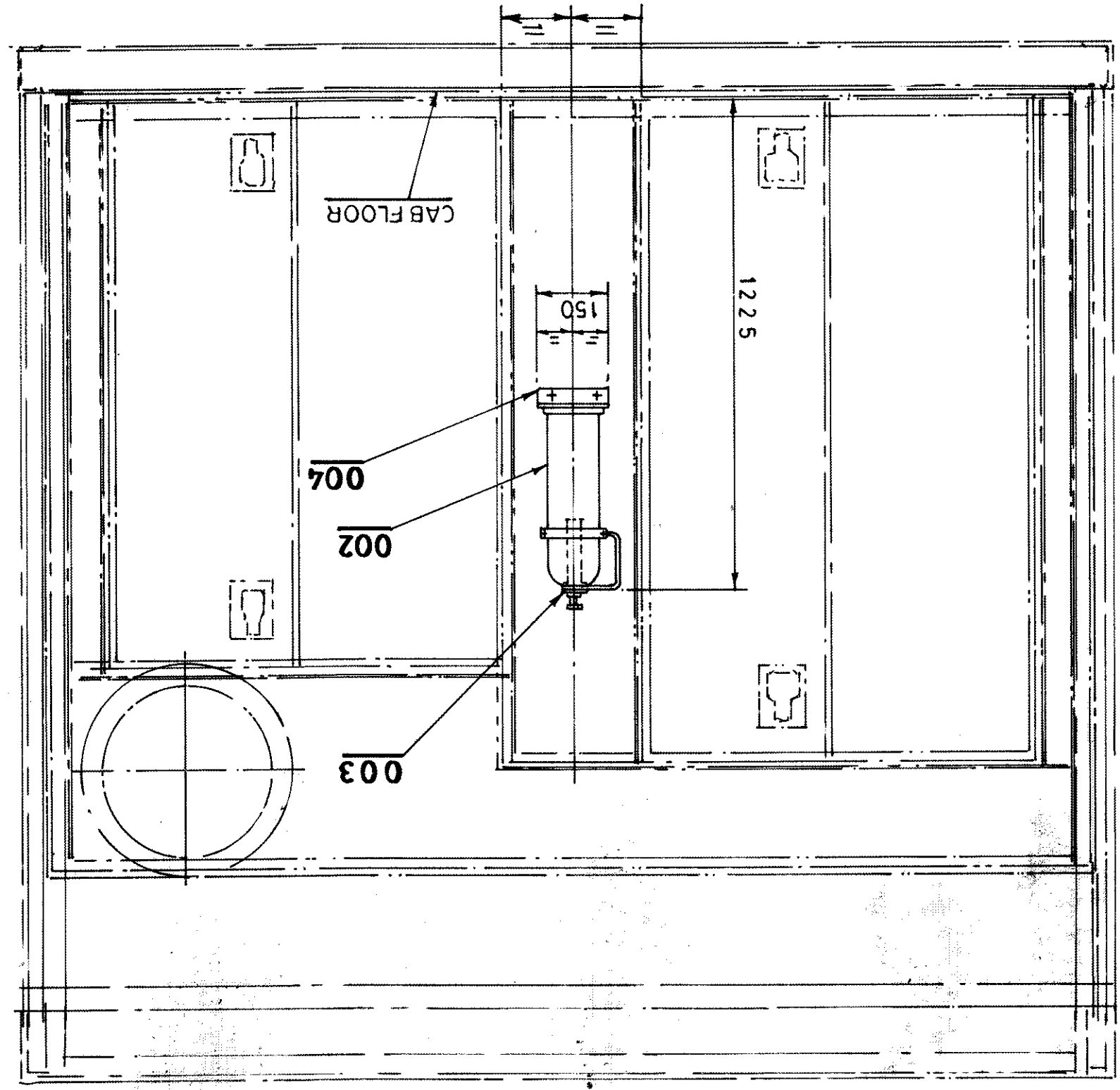
FINISH:-

FABRICATED ASSY SHALL BE PAINTED WITH TWO COATS OF RED OXIDE PRIMING PAINT AFTER SHOT BLASTING / PICKLING PROCESS.
FINAL FINISH :- AS PER WORKORDER.



REV. DATE	ALTERED	CHECKED	ZONE	REV. DATE	ALTERED	CHECKED	ZONE	REV. DATE	ALTERED	CHECKED	ZONE	REV. DATE	ALTERED	CHECKED	ZONE
01	14-9-06	CHECKED	01	14-9-06	CHECKED	01	14-9-06	CHECKED	01	14-9-06	CHECKED	01	14-9-06	CHECKED	01
OC-1, PFC-5, Q-C-1, ASSY-1															
DISTRIBUTION OF PRINTS															
U															
STATUS OF DRAWING															
TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT															
700 H.P. DESL															
BHARAT HEAVY ELECTRICALS LIMITED															
JHANSI															
Appd. <i>[Signature]</i> 21/11/89															
CHD. <i>[Signature]</i> 21/11/89															
DRN. <i>[Signature]</i> 21/11/89															
NAME SIGN. DATE															
REF. TO ASSY. DRG.															
2 718 35 05 003															
CARD CODE															
2 718 35 05 001															
TITLE															
BOX SUB-ASSY.															
SHEET NO. 01															
NO. OF SHEETS 01															
SIZE A2															

DRG. No. 2718 35 14 053



DIMNL. TOL. - AS PER CORP. STD. AA 062 11 04 GRADE OF ACCURACY A UNLESS OTHERWISE STATED. (ALL DIMENSIONS ARE IN MM)

- NOTE -
1. ALL WELDS TO CONFORM TO CORPT. STD. AA 062 21 01 GRADE III UNLESS OTHERWISE STATED.
 2. ALL SHARP EDGES AND BURRS TO BE REMOVED.
 3. FINISH - APPLY TWO COATS OF ANTICORROSIVE PRIMING PAINT TO AA 56101 (IS:2074-1979) AFTER SAND / SHOT BLASTING.

VAR NO.	ITEM NO.	DESCRIPTION	STD.	DRAWING NO.	UNIT	QTY.
001	001	MTG. BRACKET ASSY	3	718 35 01 082	0	0
001	002	FIRE EXTINGUISHER 4.5 KG. CO2 TY.	4	ST 956077	0	0
001	003	MODIFICATION OF CLAMP	3	718 35 14 023	00	0
001	004	BOTTOM SUPPORT ASSY	2	718 35 14 010	01	1

ADDITIONAL INFORMATION

STATUS OF DRAWING U

DISTRIBUTION OF PRINTS

LME LMP LMM BAY 12

1 1 1 3 3

DEPT. LME

CODE 404

UN. TOP

GRADE OF

SCALE 1:7.5, NTS

WEIGHT (KG) 6-300

REF. TO ASSY. DRG. 0 718 35 16 000

ITEM NO. 022

NO. OF ITEMS 004

REV. 00

DRAWING NO. 2 718 35 14 053

SHEET NO. 01

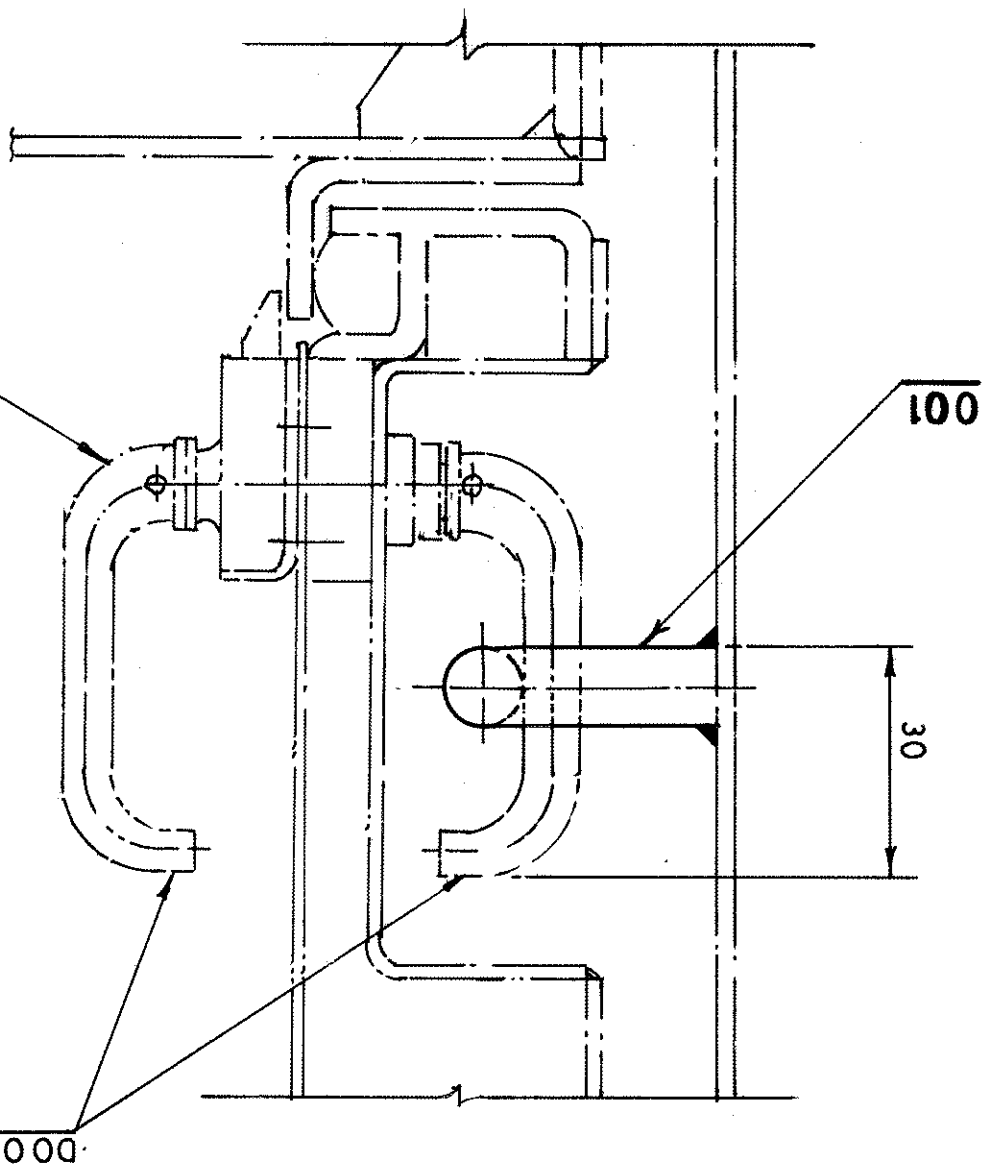
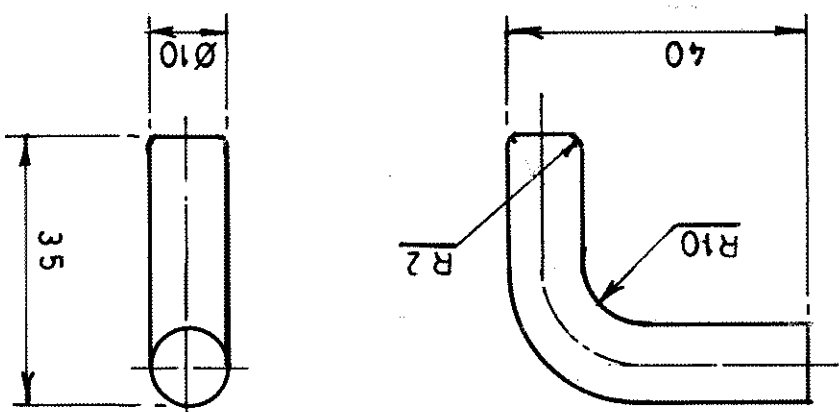
NO. OF SHEETS 01

SIZE A2

(ALL DIMENSIONS ARE IN mm)

AS PER CORP STD AA0621104 GRADE OF ACCURACY 'A' UNLESS OTHERWISE STATED.

1. ALL WELDS TO CONFORM TO CORP. STD. AA 062.21 01
GRADE III UNLESS OTHERWISE STATED.
2. ALL SHARP EDGES AND CORNERS, BURS TO BE REMOVED.
3. FINISH—APPLY TWO COATS OF ANTICORROSIVE PRIMING
PAINT TO 56101 (15:2074-1979) AFTER SAND /
SHOT BLASTING.



28		CARD TYPE-1		28		CARD TYPE-2	
29		DESCRIPTION		30		31	
32		DRAWING NO.		33		34	
35		STD.		36		37	
38		UNIT		39		40	
42		ZONE		43		44	
46		UNIT		47		48	
50		UNIT		51		52	
54		UNIT		55		56	
58		UNIT		59		60	
62		UNIT		63		64	
66		UNIT		67		68	
70		UNIT		71		72	
74		UNIT		75		76	
78		UNIT		79		80	
82		UNIT		83		84	
86		UNIT		87		88	
90		UNIT		91		92	
94		UNIT		95		96	
98		UNIT		99		100	
102		UNIT		103		104	
106		UNIT		107		108	
110		UNIT		111		112	
114		UNIT		115		116	
118		UNIT		119		120	
122		UNIT		123		124	
126		UNIT		127		128	
130		UNIT		131		132	
134		UNIT		135		136	
138		UNIT		139		140	
142		UNIT		143		144	
146		UNIT		147		148	
150		UNIT		151		152	
154		UNIT		155		156	
158		UNIT		159		160	
162		UNIT		163		164	
166		UNIT		167		168	
170		UNIT		171		172	
174		UNIT		175		176	
178		UNIT		179		180	
182		UNIT		183		184	
186		UNIT		187		188	
190		UNIT		191		192	
194		UNIT		195		196	
198		UNIT		199		200	
202		UNIT		203		204	
206		UNIT		207		208	
210		UNIT		211		212	
214		UNIT		215		216	
218		UNIT		219		220	
222		UNIT		223		224	
226		UNIT		227		228	
230		UNIT		231		232	
234		UNIT		235		236	
238		UNIT		239		240	
242		UNIT		243		244	
246		UNIT		247		248	
250		UNIT		251		252	
254		UNIT		255		256	
258		UNIT		259		260	
262		UNIT		263		264	
266		UNIT		267		268	
270		UNIT		271		272	
274		UNIT		275		276	
278		UNIT		279		280	
282		UNIT		283		284	
286		UNIT		287		288	
290		UNIT		291		292	
294		UNIT		295		296	
298		UNIT		299		300	
302		UNIT		303		304	
306		UNIT		307		308	
310		UNIT		311		312	
314		UNIT		315		316	
318		UNIT		319		320	
322		UNIT		323		324	
326		UNIT		327		328	
330		UNIT		331		332	

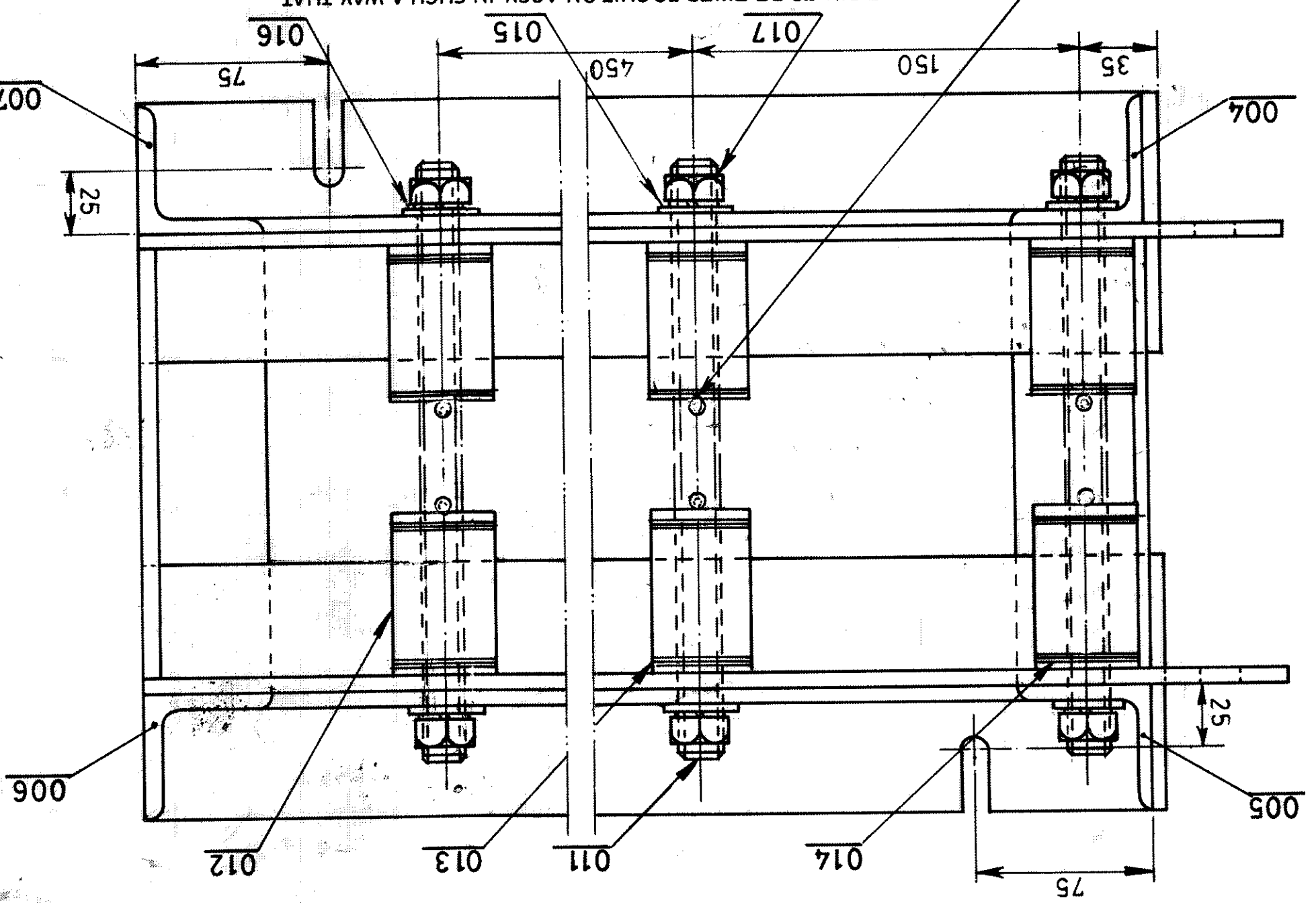
TYPE OF PRODUCT
OR
OF CUSTOMER/PROJECT

1400 h p d e l000

BHARAT HEAVY ELECTRICALS LIMITED
JHANSI

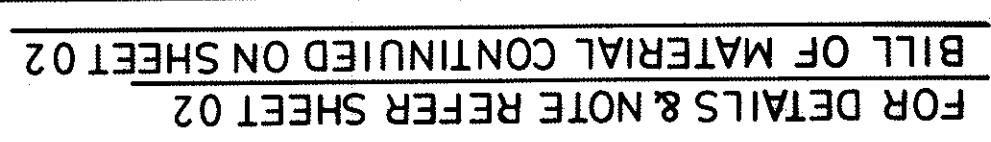
R.E.S.

SIZE A 2



DISTRIBUTION OF PRINTS O/C-1
PPC-2, IE-1, LOCOMFG DRG
VAULT-2, QCLCCO-1, FAB-1,
M/C SHOP-1, QCFAB-1.

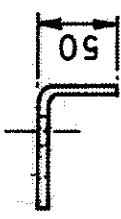
ADDITIONAL INFORMATION		STATUS OF DRAWING		U		DISTRIBUTION OF PRINTS O/C-1 PPC 2, IE-1, LOCC MFG DRG VAULT-2, O/CLOCC-1, FAB-1, M/C SHOP-1, OCFAB-1.		 भारत भारी इलेक्ट्रिकल्स लिमिटेड JHANSI		DRN. D. K. A. CHD. D.B. APPD. M. L.		NAME SIGN. <i>[Signature]</i> DATE 15/5/92		DATE 16/5/92 TIME 16:57		NO. OF VAR. 01 NO. OF ITEMS 010 NO. OF SHEETS 02		TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT D.E.S.L.	
REV. DATE		ALTERED		CHECKED		DEPT. LCE CODE DMC/MT GRADE OF UN 10L		SCALE 1:2 WEIGHT (kg) 29.80		REF. TO ASSY. DRG. DRAWING NO. 2 718 53 05 004		CARD 3 CODE 2 718 53 05 004		RAMP (FOR REMOVING BATTERY)		SHEET NO. 01 NO. OF SHEETS 02		SIZE A3	



(ALL DIMENSIONS ARE IN mm.)

(ALL DIMENSIONS ARE IN mm.)

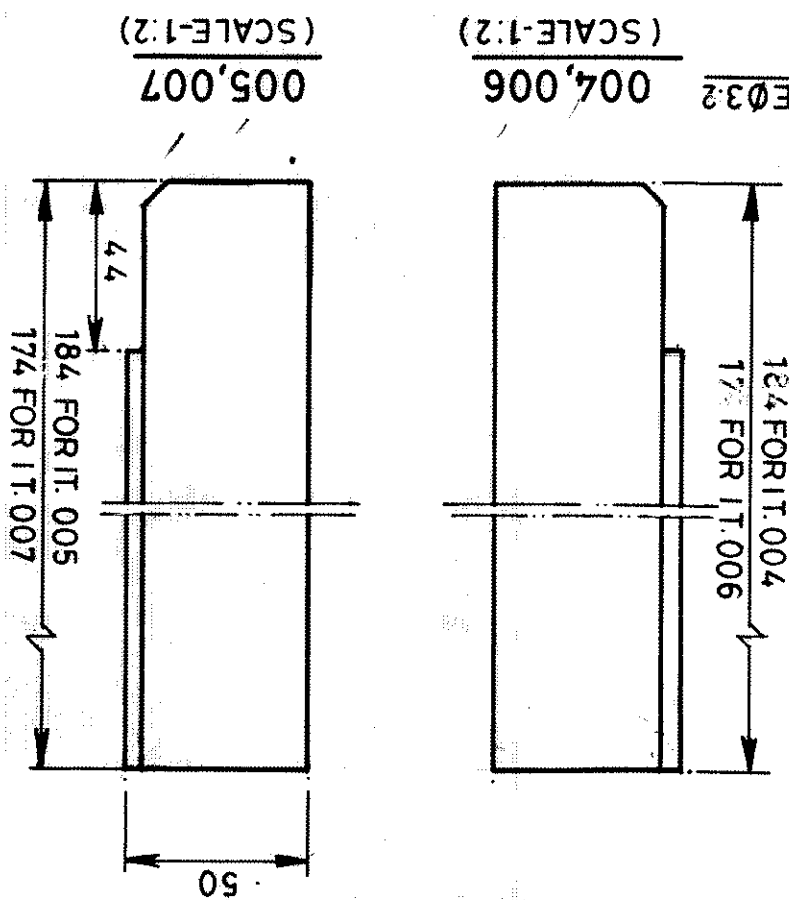
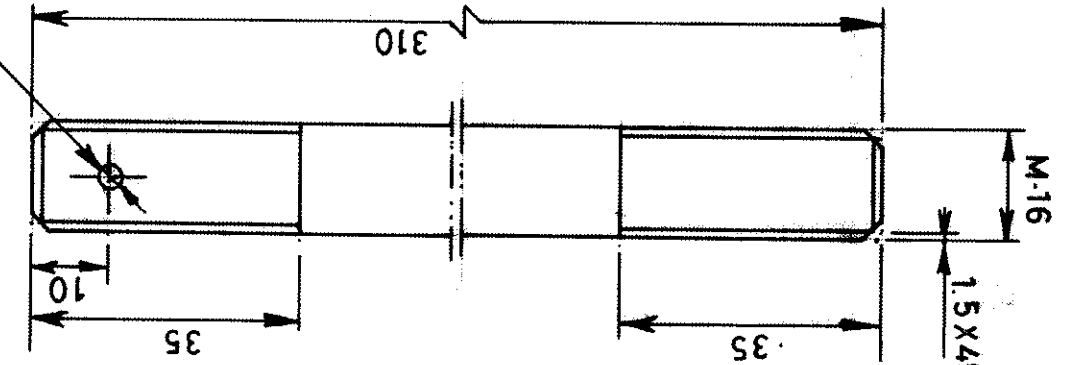
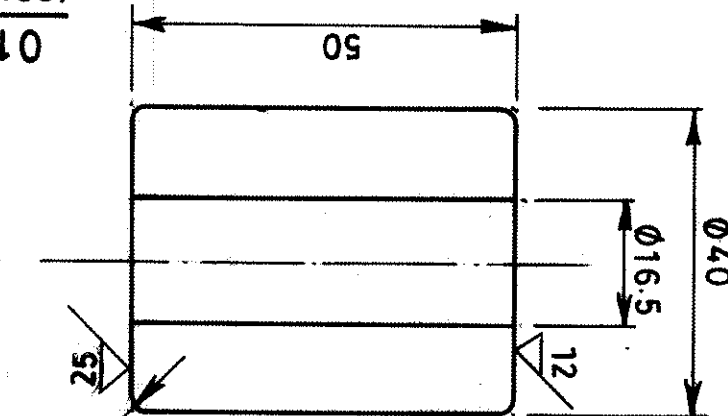
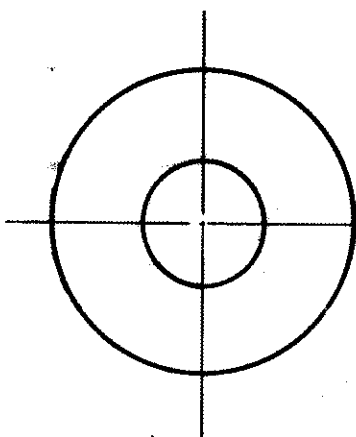
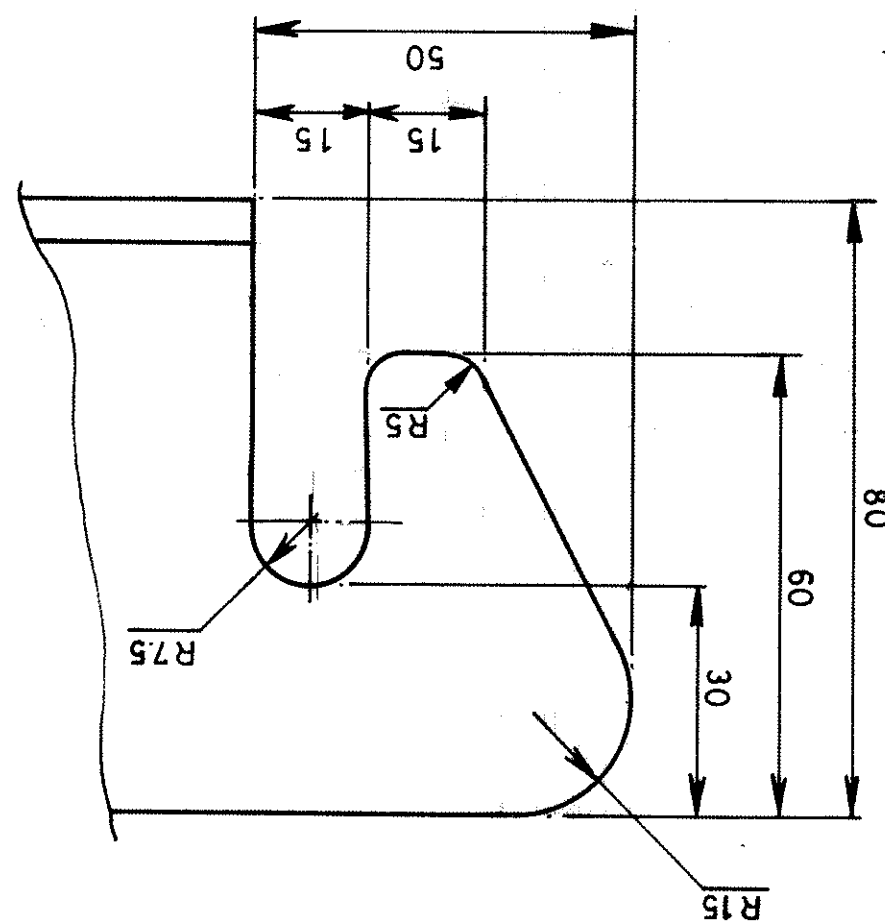
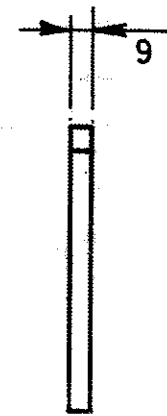
5 HOLES, Ø 16.5



002
(SCALE-1:5)



009,010
(SCALE-1:2)



CARD TYPE-2												
VAR 00	REMARKS	VAR NO.	ITEM NO.	DESCRIPTION	STD.	DRAWING NO.	VAR. NO.	MATL. SPECN.	C	UNIT	QTY.	ZONE
010		018	018	PIN SPLT 6.3 TK X 50.8 LG.			JS7171089924					
010		017	017	NUT HEX. M 16			AA7151115059					
010		016	016	WASHER SPG. B-16			AA7151115059					
010		015	015	WASHER M.C.D. M 17 ST.			AA7164002088					
010		014	014	ST WASHER H.R.CST.SH. 3.15TK X 40			AA7164002088					
020	TO DETAIL	013	013	FRICITION WASHER N.B CS 3TK X 35			AA7164002088					
010		012	012	ROLLER ST. ROD Ø 40			AA7164002088					
005		011	011	SPINDLE ST. ROD Ø 16			AA7164002088					
CARD TYPE-1												
010		018	018	PIN SPLT 6.3 TK X 50.8 LG.			JS7171089924					
010		017	017	NUT HEX. M 16			AA7171089					
010		016	016	WASHER SPG. B-16			AA7151115059					
010		015	015	WASHER M.C.D. M 17 ST.			AA7164002088					
010		014	014	ST WASHER H.R.CST.SH. 3.15TK X 40			AA7164002088					
020	TO DETAIL	013	013	FRICITION WASHER N.B CS 3TK X 35			AA7164002088					
010		012	012	ROLLER ST. ROD Ø 40			AA7164002088					
005		011	011	SPINDLE ST. ROD Ø 16			AA7164002088					
CARD TYPE-3												
010		018	018	PIN SPLT 6.3 TK X 50.8 LG.			JS7171089924					
010		017	017	NUT HEX. M 16			AA7171089					
010		016	016	WASHER SPG. B-16			AA7151115059					
010		015	015	WASHER M.C.D. M 17 ST.			AA7164002088					
010		014	014	ST WASHER H.R.CST.SH. 3.15TK X 40			AA7164002088					
020	TO DETAIL	013	013	FRICITION WASHER N.B CS 3TK X 35			AA7164002088					
010		012	012	ROLLER ST. ROD Ø 40			AA7164002088					
005		011	011	SPINDLE ST. ROD Ø 16			AA7164002088					
CARD TYPE-2												
010		018	018	PIN SPLT 6.3 TK X 50.8 LG.			JS7171089924					
010		017	017	NUT HEX. M 16			AA7171089					
010		016	016	WASHER SPG. B-16			AA7151115059					
010		015	015	WASHER M.C.D. M 17 ST.			AA7164002088					
010		014	014	ST WASHER H.R.CST.SH. 3.15TK X 40			AA7164002088					
020	TO DETAIL	013	013	FRICITION WASHER N.B CS 3TK X 35			AA7164002088					
010		012	012	ROLLER ST. ROD Ø 40			AA7164002088					
005		011	011	SPINDLE ST. ROD Ø 16			AA7164002088					

