

PQC & TECHNICAL SPECIFICATIONS FOR FABRICATION ITEMS (23 NOS)

The PQC requirement for the list of fabrication items shall be as below:

1. Bidder shall have a fabrication facility to carry out the work at their workshop. Bidder shall have punching press machines & bending machines to fabricate sheet metal items in their workshop to carry out the work. Bidder to provide documentary evidence for the same along with rating of all machinery available in the bidder's works.
2. The Purchase Order will be placed on part quantities based on BHEL project requirements, vendor will have to deliver the part quantities as per PO terms to BHEL-Electronics Division, Mysore Road, Bangalore timely to avoid any penalty charges. The bidder should have his/her workshop facility within periphery of 100 KMs. (Hundred kilometers) from the location of BHEL-Electronics Division, Mysore Road, Bangalore. The bidder shall submit documentary evidence to this effect.
3. Bidder should have executed at least one P.O./ Work order for sheet metal/ CRCS items pertaining to the similar works in last 3 years of a minimum value ₹40 Lakh.
4. The bidder should have achieved a minimum annual average financial turnover of ₹1,00,00,000 (Rupees One Crore only) in last three financial years i.e. 2022-23, 2023-24 and 2024-25. The bidder shall submit the balance sheets for all the three years.

The Technical specifications for the list of fabrication items shall be as below.

1. The bidder shall have requisite working personal, manufacturing facility, testing and inspection facility, loading and storing facility etc. The bidder shall submit these details as part of technical bid.
2. The fabrication items in the list (23 Nos) shall be fabricated as per the drawing given at the time of P.O. The raw material used shall be of Good quality CRCS sheet as per standard ED10199 Rev.3. Pre shipment inspection after powder coating/ zinc plating is applicable.
3. The fabrication items in the list (23 Nos) shall be powder coated/ zinc plated after production. The pretreatment, powder coating/ zinc plating shall be done as applicable as per following BHEL standards.
 - a. Pretreatment- ED0673694 – Revision 06.
 - b. Powder coating – ED0851799– Revision 10
 - c. Zinc Plating – ED0673692 Revision 00
4. Bidder shall confirm to manufacture items in the list (23 Nos) as per drawings/ P.O. and to powder coat/ zinc plate as per BHEL standards. In case of non-availability of powder coating/ zinc plating facility, the bidder shall do the powder coating/ zinc plating after production at the approved vendors' place as below:
 - a. Powder Coaters:
 - i. TASKA FIBRES PRIVATE LIMITED., Rajajinagar, Bangalore
 - ii. INDUSTRIAL ORGANIC FINISHERS, Mysore Road, Bangalore
 - iii. SUMUKHA ENGINEERING PVT. LTD., Jigani, Bangalore
 - iv. DURGASHREE COATERS PVT. LTD., Hegganahalli, Bangalore
 - v. NANDINI NATURA COATINGS, Bangalore
 - vi. NIHAR TECHNOCRAFTS PVT. LTD., Kamakshipalya, Bangalore
 - vii. ASSOCIATED COMMERCIAL ENTERPRISES, Mahadevapura, Bangalore
 - viii. MPP TECHNOLOGIES PVT. LTD., Peenya, Bangalore

PQC & TECHNICAL SPECIFICATIONS FOR FABRICATION ITEMS (23 NOS)

- ix. DEVI ENGINEERING, Electronics city, Bangalore
- x. Any other approved vendor at the time of order placing
- b. Zinc Plating:
 - i. Anand Industries, Bangalore
 - ii. Arun Electroplaters & Engg. Works, Kamakshipalya
 - iii. Balambiga Metal Finishers, Balambiga
 - iv. Bharath Electro Chem, Rajajinagar
 - v. ITI Ltd, Bangalore
 - vi. Sharada Electro Chem, Attibele, Bangalore.
 - vii. Any other approved vendor at the time of order placing

In case the bidder does not submit details mentioned in above clauses or meet the requirements of technical specifications, offers will be summarily rejected and bidder's offers/ proposals will not be evaluated.

5. Packing shall be done by the bidder to avoid any transit damages after powder coating/ zinc plating. Items shall be packed in packs of minimum quantity of each item for ease of

REQUEST FOR QUOTATION - ONLINE BIDDING



MMI:PU:RF:003

BHARAT HEAVY ELECTRICALS LIMITED
Electronics Division
PB No. 2606, Mysore Road Bangalore - 560026
INDIA

RFQ NUMBER:
SSNE000169

Due Date/Day: [REDACTED]
Time : [REDACTED]

Please submit your lowest quotation subject to our terms and conditions attached for the material mentioned below. "Quotation to be submitted in E Procurement portal only"

(for all correspondence)

Purchase Executive : Saurabh Niranjan
Phone : 080-26998935
Fax :
E-mail: saurabhniranjan@bhel.in

Sl No.	Description	Qty	Unit	Delivery qty	Delivery Date
1	ED9060000196 3MM thick CRC Shims * HSN/SAC : 9032 3mm(T)x35mm(W)x85mm(L) CRC Shims for Hinge Bracket as per IT03 in BHEL Drg No.46532111298	1,000	NO	1,000	[REDACTED]
2	ED9060000200 Bracket for Wrist Band Socket * HSN/SAC : 9032 2mm(T)X30mm(W)X70mm(L) - CRC Bracket for wrist band socket as per BHEL drawing no. 46594300278	4,000	NO	4,000	[REDACTED]
3	ED9060000218 "2MM thick CRC Shims " * HSN/SAC : 9032 2mm(T)x35mm(W)x85mm(L) CRC Shims for Hinge Bracket as per IT02 in BHEL Drg No.46532111298	1,000	NO	1,000	[REDACTED]
4	ED9060000226 Strip for Dinrail/Channel assy * HSN/SAC : 9032 2mm thick CRC Strips for fixing Din rail & Cable Channel as per IT01 in BHEL Drg No. 46594300311	12,000	NO	12,000	[REDACTED]
5	ED9060000242 Plate for Dinrail, G Channel & Cbl Chnl * HSN/SAC : 9032 2mm thick CRC plate for fixing Din rail, G-Channel & Cable Channel assy as per BHEL Drg No.46594300308	8,000	NO	8,000	[REDACTED]
6	ED9060000250 Vertical Din Support Plate * HSN/SAC : 9032 2mm thick CRC Vertical Support Plate for	9,000	NO	9,000	[REDACTED]

NOTES: For and On behalf of BHEL.

1. This RFQ is governed by:

a) INSTRUCTIONS TO BIDDERS/SELLERS and GENERAL CONDITIONS OF CONTRACT FOR PURCHASE available at <http://edn.bhel.com> (RFQ-PO Terms & Conditions)

b) Any other specific Terms and Conditions mentioned. of offers are required to furnish authorization letter for the same.

2. Tender Result can be viewed in the website.

* The HSN/SAC no mentioned against the line items in the RFQ are indicative only.

Saurabh Niranjan
Control Equipment

REQUEST FOR QUOTATION - ONLINE BIDDING



MMI:PU:RF:003

BHARAT HEAVY ELECTRICALS LIMITED
Electronics Division
PB No. 2606, Mysore Road Bangalore - 560026
INDIA

RFQ NUMBER:
SSNE000169

Due Date/Day: [REDACTED]
Time : [REDACTED]

Please submit your lowest quotation subject to our terms and conditions attached for the material mentioned below. "Quotation to be submitted in E Procurement portal only"

(for all correspondence)
Purchase Executive : Saurabh Niranjan
Phone : 080-26998935
Fax :
E-mail: saurabhniranjan@bhel.in

Sl No.	Description	Qty	Unit	Delivery qty	Delivery Date
	Din Rail Fixing as per BHEL Drg No. 36592600036				
7	ED9060000269 Bracket-2 for Din Rail * HSN/SAC : 9032 CRC Brackets for Din rail fixng for DCS Panels as per IT02 in BHEL Drg No.36594302291	6,000	NO	6,000	[REDACTED]
8	ED9060000277 Bracket-1 for Din Rail * HSN/SAC : 9032 CRC Brackets for Din rail fixng for DCS Panels as per IT01 in BHEL Drg No.36594302291	3,000	NO	3,000	[REDACTED]
9	ED9060000285 Bracket-3 for Din Rail * HSN/SAC : 9032 CRC Brackets for Din rail fixng for DCS Panels as per IT03 in BHEL Drg No.36594302291	6,000	NO	6,000	[REDACTED]
10	ED9060000293 PS- Mounting Plate - Max * HSN/SAC : 9032 2mm thickx120mmx748mm CRCS plate for mounting power supply for MAX system as per Item No.02 in BHEL Drg no.36592100159	1,000	NO	1,000	[REDACTED]
11	ED9060000307 115mm Plate for Din & Channel assy * HSN/SAC : 9032 2mm thickx115mmx748mm CRCS plate for Dinrail & Channel assembly per BHEL Drg no.46594300330	9,000	NO	9,000	[REDACTED]
12	ED9060000315 L Bracket for door switch * HSN/SAC : 9032	8,000	NO	8,000	[REDACTED]

<p>NOTES:</p> <ol style="list-style-type: none"> This RFQ is governed by: <p>a) INSTRUCTIONS TO BIDDERS/SELLERS and GENERAL CONDITIONS OF CONTRACT FOR PURCHASE available at http://edn.bhel.com (RFQ-PO Terms & Conditions)</p> <p>b) Any other specific Terms and Conditions mentioned. of offers are required to furnish authorization letter for the same.</p> <ol style="list-style-type: none"> Tender Result can be viewed in the website. <p>* The HSN/SAC no mentioned against the line items in the RFQ are indicative only.</p>	<p>For and On behalf of BHEL.</p> <p>Saurabh Niranjan Control Equipment</p>
--	---

REQUEST FOR QUOTATION - ONLINE BIDDING



MMI:PU:RF:003

BHARAT HEAVY ELECTRICALS LIMITED
Electronics Division
PB No. 2606, Mysore Road Bangalore - 560026
INDIA

RFQ NUMBER:
SSNE000169

Due Date/Day: [REDACTED]
Time : [REDACTED]

RFQ DATE : [REDACTED]

Please submit your lowest quotation subject to our terms and conditions attached for the material mentioned below. "Quotation to be submitted in E Procurement portal only"

(for all correspondence)

Purchase Executive : Saurabh Niranjan
Phone : 080-26998935
Fax :
E-mail: saurabhniranjan@bhel.in

Sl No.	Description	Qty	Unit	Delivery qty	Delivery Date
	2mm thick CRCS L-Bracket for Door switch as per BHEL Drg no.46562100313				
13	ED9060000358 Plate for 8 level TB's * HSN/SAC : 9032 2mm thickx406mmx748mm CRCS plate for eight level TB's as per BHEL Drg no.46562100256	4,000	NO	4,000	[REDACTED]
14	ED9060000366 Plate for 2 rows of TB's * HSN/SAC : 9032 2mm thickx265mmx748mm CRCS plate for two rows of TB's with dinrail/channel as per BHEL Drg no.46594300309	3,000	NO	3,000	[REDACTED]
15	ED9060000374 Metso Rack Fixing plate * HSN/SAC : 9032 2mm thickx240mmx748mm CRCS plate for METSO Rack Fixing as per BHEL Drg no.36594301663	3,000	NO	3,000	[REDACTED]
16	ED9060000382 PS- Mounting Plate - Valmet * HSN/SAC : 9032 2mm thickx250mmx748mm CRCS plate for mounting power supply for Valmet system as per Item No.01 BHEL Drg no.36592100159	3,000	NO	3,000	[REDACTED]
17	ED9060000404 115mm Plate for G, Din & Channel assy * HSN/SAC : 9032 2mm thickx115mmx748mm CRCS plate for G-Channel, C Channel, Dinrail & Cable Channel assembly per BHEL Drg no.46594300365	9,000	NO	9,000	[REDACTED]

<p>NOTES:</p> <p>1. This RFQ is governed by:</p> <p>a) INSTRUCTIONS TO BIDDERS/SELLERS and GENERAL CONDITIONS OF CONTRACT FOR PURCHASE available at http://edn.bhel.com (RFQ-PO Terms & Conditions)</p> <p>b) Any other specific Terms and Conditions mentioned. of offers are required to furnish authorization letter for the same.</p> <p>2. Tender Result can be viewed in the website.</p> <p>* The HSN/SAC no mentioned against the line items in the RFQ are indicative only.</p>	<p>For and On behalf of BHEL.</p> <p>Saurabh Niranjan Control Equipment</p>
--	---

REQUEST FOR QUOTATION - ONLINE BIDDING



MMI:PU:RF:003

BHARAT HEAVY ELECTRICALS LIMITED
Electronics Division
PB No. 2606, Mysore Road Bangalore - 560026
INDIA

RFQ NUMBER:
SSNE000169

Due Date/Day: [REDACTED]
Time : [REDACTED]

RFQ DATE : [REDACTED]

Please submit your lowest quotation subject to our terms and conditions attached for the material mentioned below. "Quotation to be submitted in E Procurement portal only"

(for all correspondence)

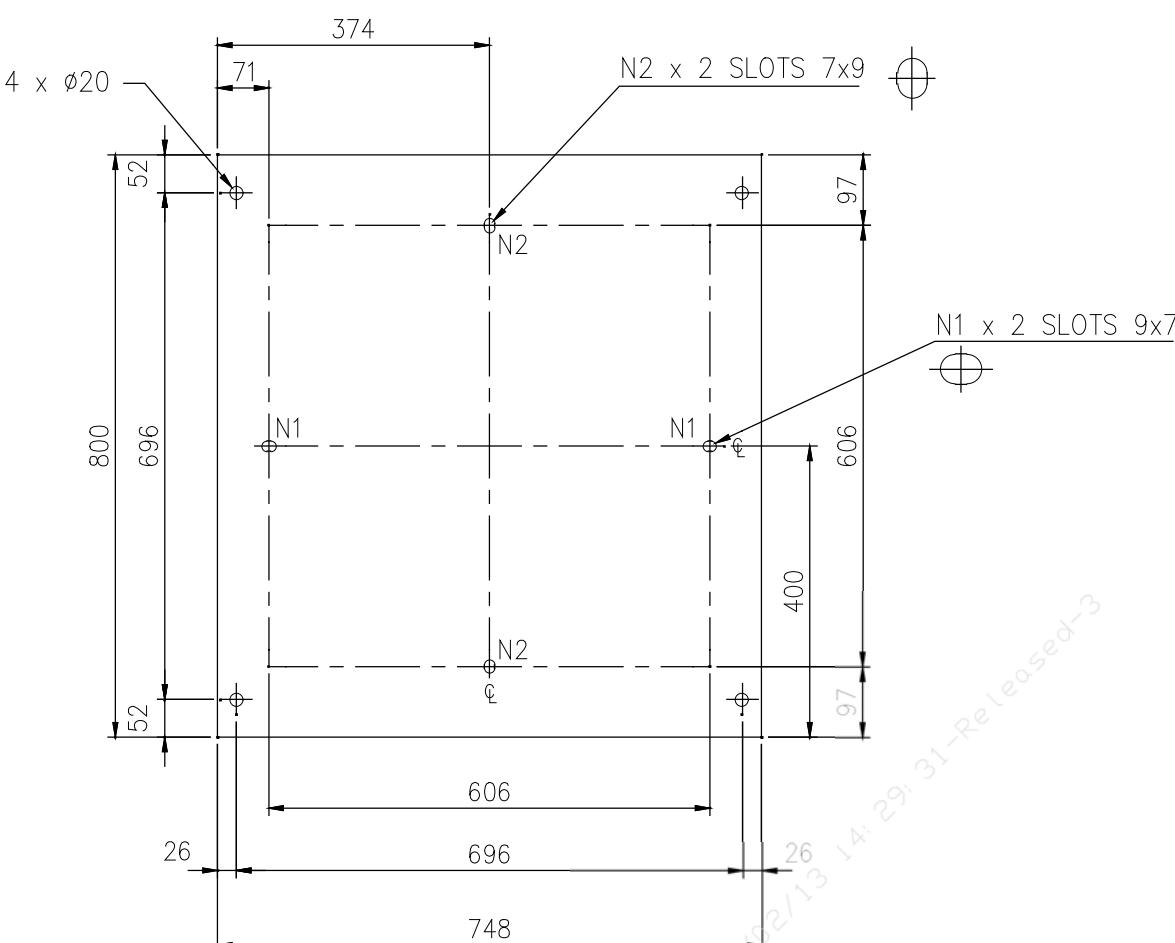
Purchase Executive : Saurabh Niranjan
Phone : 080-26998935
Fax :
E-mail: saurabhniranjan@bhel.in

Sl No.	Description	Qty	Unit	Delivery qty	Delivery Date
18	ED9060000412 2Thk valmet rack & fan fixing plate * HSN/SAC : 9032 2mm thick X290mmX748mm CRCS plate for fixing Valmet rack & Top fan tier as per BHEL drawing no. 36594302236	12,000	NO	12,000	[REDACTED]
19	ED9060000420 2Thk Z Bracket for smoke detector * HSN/SAC : 9032 2mm thick X80mmX195mm CRCS - Z bracket for smoke detector as per BHEL drawing no. 46594300299	4,000	NO	4,000	[REDACTED]

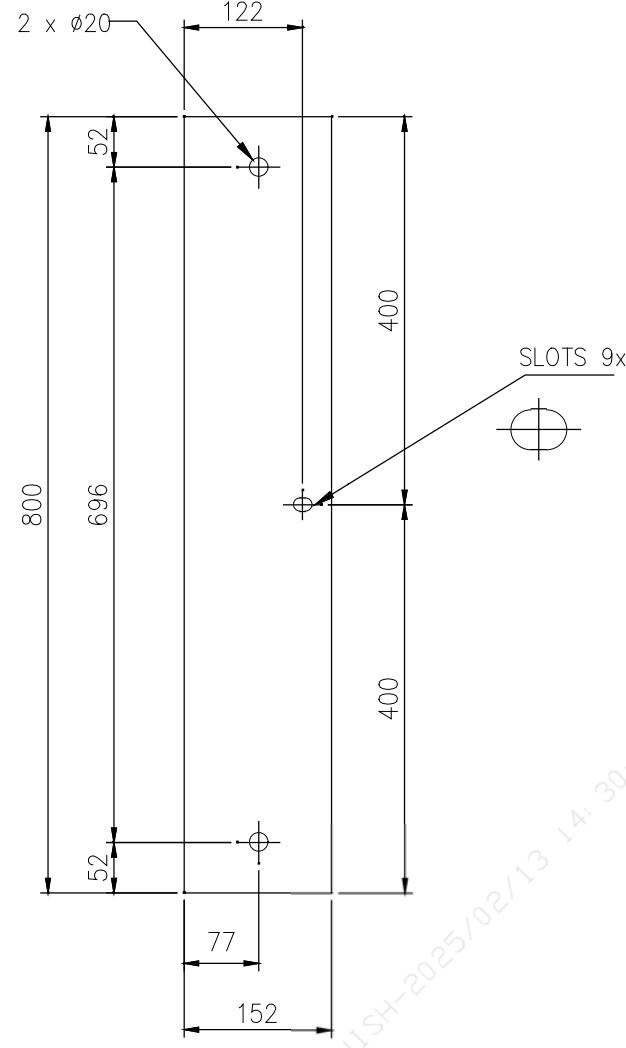
Total Number of Items - 19

- 1.
- 2.

<p>NOTES:</p> <p>1. This RFQ is governed by:</p> <p>a) INSTRUCTIONS TO BIDDERS/SELLERS and GENERAL CONDITIONS OF CONTRACT FOR PURCHASE available at http://edn.bhel.com (RFQ-PO Terms & Conditions)</p> <p>b) Any other specific Terms and Conditions mentioned. of offers are required to furnish authorization letter for the same.</p> <p>2. Tender Result can be viewed in the website.</p> <p>* The HSN/SAC no mentioned against the line items in the RFQ are indicative only.</p>	<p>For and On behalf of BHEL.</p> <p style="text-align: right;">Saurabh Niranjan Control Equipment</p>
--	--

FIRST ANGLE PROJECTION		3	4	5	6	7	8																																								
DRAWING NO. 3 656 21 00620		3	4	5	6	7	8																																								
A																																															
B																																															
C																																															
D																																															
E		<p>FINISH :- AS PER EES - EXTERIOR.</p> <p>NOTE :-</p> <ol style="list-style-type: none"> COVERS MUST BE FLAT & FREE FROM TWIST, BOWING OR WAVINESS . AFTER CUTTING & PUNCHING. <p>NOTE TO STORE :-</p> <p>THESE COVERS MUST STORED HORIZONTALLY ONE ON THE TOP OF THE OTHER ON A PLAIN SURFACE WITH SUPPORT UNDER THE FULL AREA.</p> <p>THESE COVERS MUST BE STORED IN SUCH A PLACE THAT NOTHING WILL BE KEPT ON THEM EXCEPT THE SAME COVERS. NO BODY SHOULD WALKOVER OR STAND ON THEM. NO ITEM SHOULD FALL ON THEM THESE CARE SHOULD NECESSARY TO AVOID THE FORMING BY DENTS OF BENDING etc. ON COMPLETED COMPONENTS.</p>																																													
F		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;"></td> <td colspan="2" style="width: 30%;">2TK. x 748 x 800 CRCS SHEET</td> <td style="width: 15%;"></td> <td colspan="2" style="width: 30%;">BC 0501516128 9.4</td> </tr> <tr> <td>ITEM NO.</td> <td colspan="2">DESCRIPTION</td> <td>DRAWING NO.</td> <td>ITEM NO.</td> <td>MATERIAL CODE UNT. Wt.(kg)</td> </tr> <tr> <td>VARIANT</td> <td colspan="2"></td> <td></td> <td>VARIANT</td> <td>MATERIAL SPECN. QUANTITY</td> </tr> </table>							2TK. x 748 x 800 CRCS SHEET			BC 0501516128 9.4		ITEM NO.	DESCRIPTION		DRAWING NO.	ITEM NO.	MATERIAL CODE UNT. Wt.(kg)	VARIANT				VARIANT	MATERIAL SPECN. QUANTITY																						
	2TK. x 748 x 800 CRCS SHEET			BC 0501516128 9.4																																											
ITEM NO.	DESCRIPTION		DRAWING NO.	ITEM NO.	MATERIAL CODE UNT. Wt.(kg)																																										
VARIANT				VARIANT	MATERIAL SPECN. QUANTITY																																										
G		<p>REF. DRG.NO. 36562100620</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">INVENTORY NO.</td> <td style="width: 15%;">SIGN & DATE</td> <td colspan="2">ALTERED</td> <td style="width: 15%;">REV. DATE</td> <td colspan="2">ALTERED CRS</td> <td style="width: 15%;">REV. DATE</td> <td colspan="2">ALTERED VIN</td> <td style="width: 15%;">DEPT. SGC</td> <td rowspan="3" style="width: 15%;">NAME</td> <td rowspan="3" style="width: 15%;">SIGN.</td> <td rowspan="3" style="width: 15%;">DATE</td> <td rowspan="3" style="width: 15%;">No. OF VAR</td> </tr> <tr> <td></td> <td></td> <td colspan="2">CHECKED</td> <td>02 31.05.17</td> <td colspan="2">CHECKED YJ</td> <td>01 15.02.17</td> <td colspan="2">CHECKED PD</td> <td>CODE 410</td> </tr> <tr> <td></td> <td></td> <td colspan="2">APPROVED</td> <td></td> <td colspan="2">APPROVED YJ</td> <td></td> <td colspan="2">APPROVED PD</td> <td>FOR UNSPECIFIED-TOLERANCES REFER ED 0230499</td> <td>SCALE NTS</td> <td>WEIGHT(Kg) 36562100619VA00</td> <td>ITEM NO. 01</td> </tr> </table> <p>REVISED AS PER PRODUCTION FEEDBACK. SLOT 7x9 WAS SLOT 7x11</p> <p>FINISH WAS AS PER INTERIOR & EXTERIOR</p> <p>TITLE PLAIN TOP COVER FOR SUITE OF ONE (IP-42)</p> <p>DRAWING NO. 3 656 21 00620</p> <p>REV. 02</p> <p>SHEET NO. 01 NO. OF SHEETS 01</p>						INVENTORY NO.	SIGN & DATE	ALTERED		REV. DATE	ALTERED CRS		REV. DATE	ALTERED VIN		DEPT. SGC	NAME	SIGN.	DATE	No. OF VAR			CHECKED		02 31.05.17	CHECKED YJ		01 15.02.17	CHECKED PD		CODE 410			APPROVED			APPROVED YJ			APPROVED PD		FOR UNSPECIFIED-TOLERANCES REFER ED 0230499	SCALE NTS	WEIGHT(Kg) 36562100619VA00	ITEM NO. 01
INVENTORY NO.	SIGN & DATE	ALTERED		REV. DATE	ALTERED CRS		REV. DATE	ALTERED VIN		DEPT. SGC	NAME	SIGN.	DATE	No. OF VAR																																	
		CHECKED		02 31.05.17	CHECKED YJ		01 15.02.17	CHECKED PD		CODE 410																																					
		APPROVED			APPROVED YJ			APPROVED PD		FOR UNSPECIFIED-TOLERANCES REFER ED 0230499					SCALE NTS	WEIGHT(Kg) 36562100619VA00	ITEM NO. 01																														
1		2		3		4		5		6		7		8																																	

FIRST ANGLE PROJECTION

DRAWING NO. 3 656 21 00621		3	4	5	6	7	8																
		A	B	C	D	E	F	G															
COPYRIGHT AND CONFIDENTIAL The information on this document is the property of Bharat Heavy Electricals Limited. It must not be used directly or indirectly in anyway detrimental to the interest of the Company																							
		FINISH : - AS PER EES INTERIOR & EXTERIOR. NOTE : - 1. COVERS MUST BE FLAT & FREE FROM TWIST, BOWING OR WAVINESS . AFTER CUTTING & PUNCHING.																					
INVENTORY NO.	SIGN & DATE	REF. DRG.NO. 36562100621	2TK. x 152 x 800 CRCS SHEET						ITEM NO.	DESCRIPTION	DRAWING NO.	ITEM NO.	MATERIAL CODE	UNT. Wt.(kg)									
CARD TYPE 2						CARD TYPE 1																	
TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT																							
 BHARAT HEAVY ELECTRICALS LIMITED. ELECTRONICS DIVISION, BANGALORE												DRN	NAME	SIGN.	DATE	No. OF VAR							
												CKD	YJ		20.06.16								
												APPD	BNM		20.06.16								
REV.	DATE	ALTERED CHECKED APPROVED		REV.	DATE	ALTERED CHECKED APPROVED		REV.	DATE	ALTERED CHECKED APPROVED	CRS YJ YJ	DEPT. SGC CODE 410	FOR UNSPECIFIED- TOLERANCES REFER ED 0230499	SCALE NTS	WEIGHT(Kg)	REF. TO ASSY. DRG.	ITEM NO.	No. OF ITEM					
REV. 01 DATE 31.05.17						REV. 01 DATE 31.05.17						REV. 01 DATE 31.05.17						36562100619VA00	02				
REVISED AS PER PRODUCTION FEEDBACK. SLOT 9X7 WAS SLOT 11X7												TITLE LH/RH EXTENSION PLATE FOR TOP COVER (IP-42)						DRAWING NO.	3 656 21 00621	REV.	01		
												SHEET NO. 01						NO. OF SHEETS 01					
FORM No. A3-01												A3 SIZE											

ALL DIMENSIONS ARE IN mm

FIRST ANGLE PROJECTION

COPYRIGHT AND CONFIDENTIAL

The information on this document is the property of Bharat Heavy Electricals Limited. It must not be used directly or indirectly in anyway detrimental to the interest of the Company. CONFIDENTIAL

RAWING NO. 3656 21 00622

Technical drawing showing dimensions and slot configurations for a component. The top horizontal bar is labeled "4 SLOTS 30x20" with a total width of 148. The left vertical bar has a total height of 800, with a 52 gap at the top and a 696 gap in the middle. The right vertical bar has a total height of 400, with a 52 gap at the bottom and a 352 gap in the middle. The bottom horizontal bar has a total width of 208, with segments of 76, 56, and 76. Hole locations are indicated by circles with a cross: one hole is at the top center of the 148 width, one is at the top center of the 352 height, and two are at the bottom center of the 76 segments. A callout "2 SLOTS 9" points to the 352 height dimension.

FINISH :—
AS PER M.O. INTERIOR & EXTERIOR

NOTE :-

1. COVERS MUST BE FLAT & FREE FROM TWIST, BOWING OR WAVINESS AFTER CUTTING & PUNCHING.

	2TK. x 208 x 800 CRCS SHEET			BC 0501516128	2.6
ITEM NO.	DESCRIPTION	DRAWING NO.	ITEM NO.	MATERIAL CODE	UNT. Wt.(kg)
			VARIANT	MATERIAL SPECN.	QUANTITY

TYPE OF PRODUCT OR
NAME OF CUSTOMER/PROJECT



BHARAT HEAVY ELECTRICALS LIMITED. ELECTRONICS DIVISION, BANGALORE

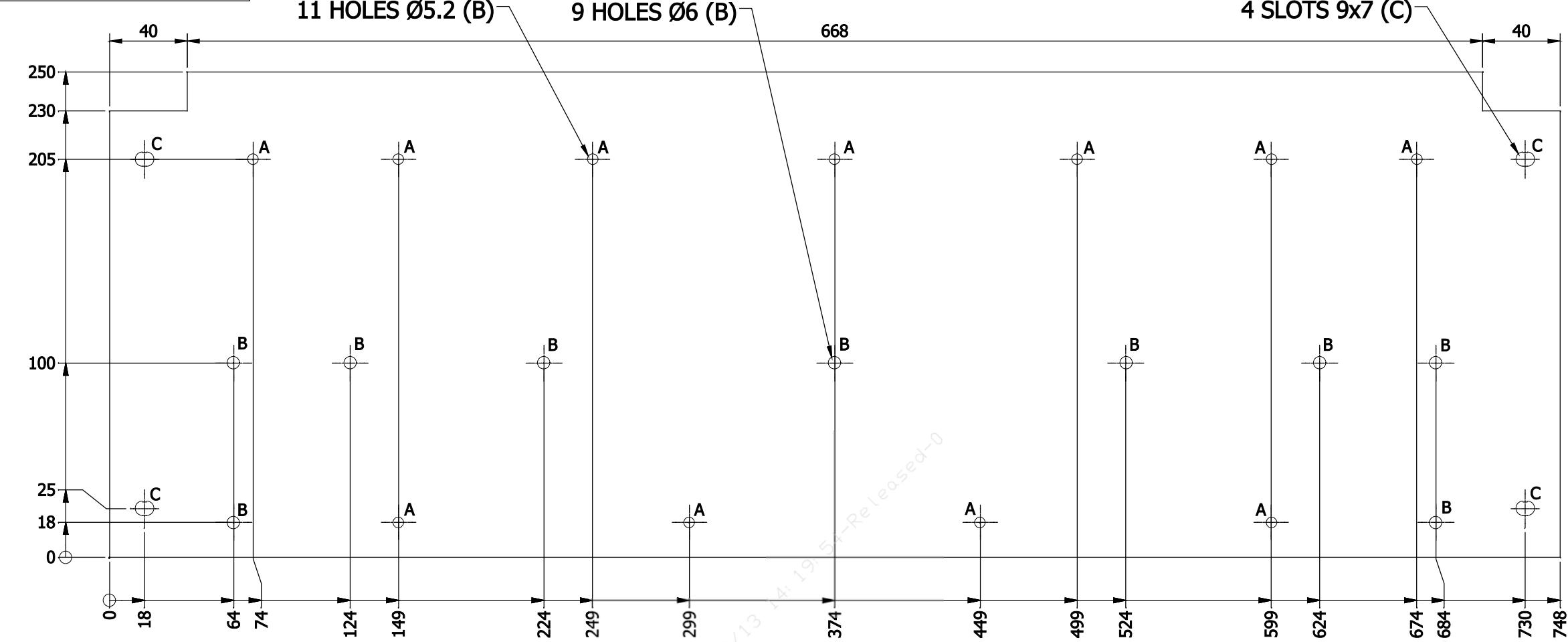
MITED. ORE	DRN	NAME	SIGN.	DATE	No. OF VAR
		PM		20.06.16	
	CKD	YJ		20.06.16	
	APPD	BNM		20.06.16	

REF. DRG NO. 36562100622		FINISH :— AS PER M.O. INTERIOR & EXTERIOR.		NOTE :— 1. COVERS MUST BE FLAT & FREE FROM TWIST, BOWING OR WAVINESS . AFTER CUTTING & PUNCHING.		2TK. x 208 x 800 CRCS SHEET		BC 0501516128		2.6							
		ITEM NO.	DESCRIPTION			DRAWING NO.	ITEM NO.	MATERIAL CODE	UNT. Wt.(kg)								
SIGN & DATE	CARD TYPE 2										CARD TYPE 1						
	TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT																
INVENTORY NO.	 BHARAT HEAVY ELECTRICALS LIMITED. ELECTRONICS DIVISION, BANGALORE										DRN	NAME	SIGN.	DATE	No. OF VAR		
	CKD	PM		20.06.16													
	APPD	YJ		20.06.16													
		BNM		20.06.16													
G	REV.	DATE	ALTERED CHECKED	REV.	DATE	ALTERED CHECKED	REV.	DATE	ALTERED YJ	CRS	DEPT. SGC	FOR UNSPECIFIED— TOLERANCES REFER ED 0230499	SCALE	WEIGHT(Kg)	REF. TO ASSY. DRG.	ITEM NO.	No. OF ITEM
			APPROVED			APPROVED	01	31.05.17	APPROVED	YJ	CODE 410		NTS		36562100619VA01	03	
1		2		3		4		5		6		7		8			

FIRST ANGLE PROJECTION

DRAWING NO. 3 659 21 00159

COPYRIGHT AND CONFIDENTIAL

The information on this document is the property of Bharat Heavy Electricals Limited.
It must not be used directly or indirectly in anyway detrimental to the interest of the CompanyITEM No.01

QTY.	ITEM No.	DESCRIPTION	DRAWING NO.	01	01	2 Thk x 250 x 748 Lg. CRCA SHEET	01	AA1011715112	2.94
				ITEM No.	MATERIAL CODE		UT.Wt (kgs)		
				VARI ANT	MATERIAL SPECN.		QTY.		

CARD TYPE 2 ← → CARD TYPE 1

DRN	NAME	SIGN.	DATE	No. OF
MBK			24.11.2021	
SD			24.11.2021	
CKD				
APPD	SKB		24.11.2021	

DEPT. BOP CODE 415	FOR UNSPECIFIED- TOLERANCES REFER ED 0230499	SCALE 1:6	WEIGHT(Kg)	REF. TO ASSY. DRG.	ITEM NO.	No. OF 1

DETAIL OF POWER SUPPLY MOUNTING PLATE FOR VALMET	DRAWING NO.	REV. 00	SHEET NO. 01	NO. OF SHEETS 02

REF. DRG.NO.

SIGN & DATE

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

INVENTORY NO.

1

2

3

4

5

6

7

8

FORM No. A3-01

A3 SIZE

3 659 21 00159 <small>DRAWING NO.</small>		3	4	5	6	7	8				
<small>COPYRIGHT AND CONFIDENTIAL</small> <small>The information on this document is the property of Bharat Heavy Electricals Limited.</small> <small>It must not be used directly or indirectly in anyway detrimental to the interest of the Company.</small>		A					A				
		B	C	D	E	F	G				
INVENTORY NO.	REF. DRG. NO.	ITEM No.02									
SIGN & DATE	REV.	ALTERED CHECKED APPROVED		REV.	DATE	ALTERED CHECKED APPROVED		REV.	DATE	ALTERED CHECKED APPROVED	
FINISH: POWDER COATED TO LIGHT GREY TO SHADE 631 OF IS:5 SEMI GLOSSY.											
DEPT. BOP FOR UNSPECIFIED-TOLERANCES SCALE 1:2.5 WEIGHT(Kg) REF. TO ASSY. DRG. ITEM NO. No. OF CODE 415 REFER ED 0230499 DRN MBK NAME SIGN. DATE 24.11.2021 CKD SD ITEM NO. MATERIAL CODE UT.Wt. (kgs) APPD SKB VARIANT MATERIAL SPECN. QTY. 24.11.2021											
TITLE DETAIL OF POWER SUPPLY MOUNTING PLATE FOR MAX DRAWING NO. 3 659 21 00159 REV. 00 SHEET NO. 02 NO. OF SHEETS 02											

ALL DIMENSIONS ARE IN mm

FIRST ANGLE PROJECTION

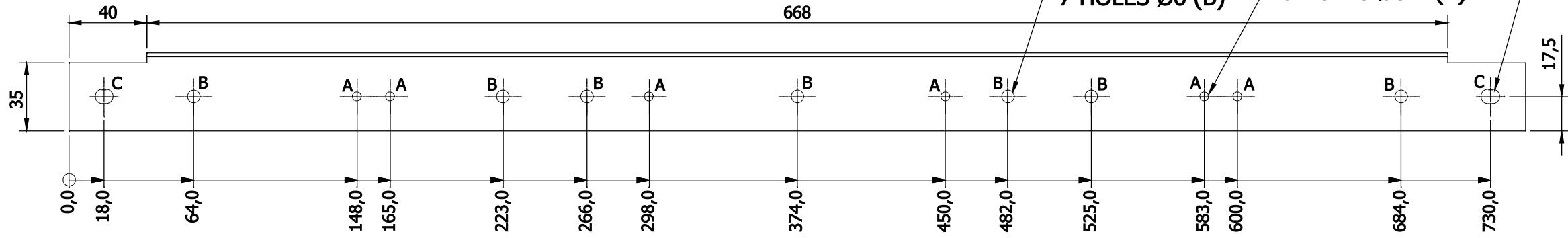
3 659 26 00036
DRAWING NO.

3 4 5 6 7 8

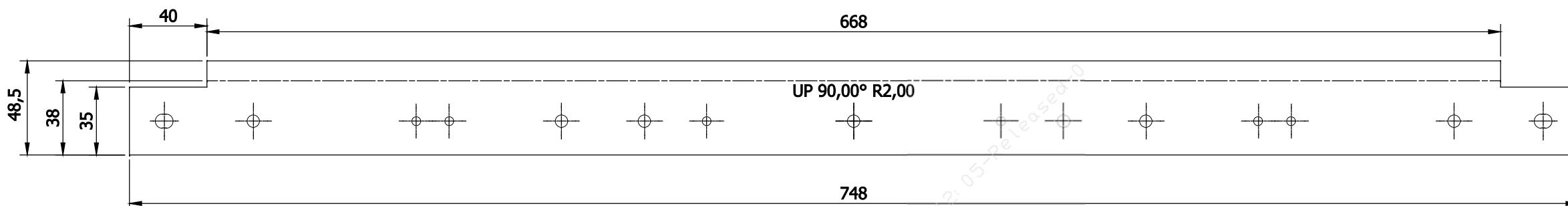
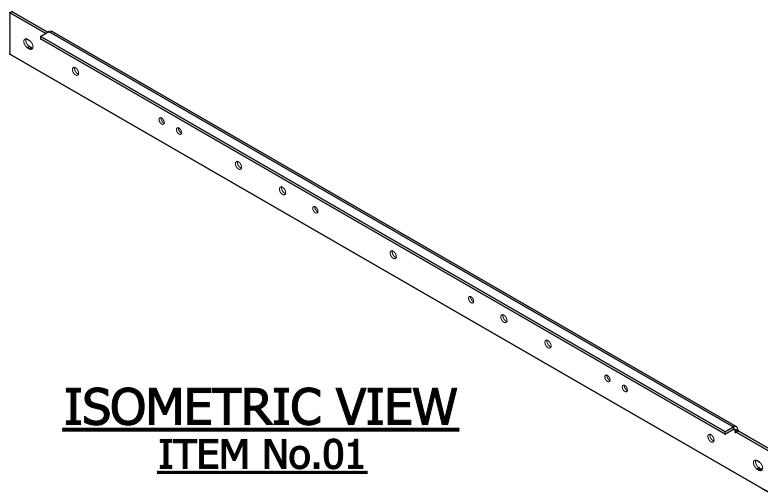
COPYRIGHT AND CONFIDENTIAL

The information on this document is the property of Bharat Heavy Electricals Limited.

It must not be used directly or indirectly in anyway detrimental to the interest of the Company.



ITEM No.01

DEVELOPMENT DETAIL
ITEM No.01ISOMETRIC VIEW
ITEM No.01

FINISH: POWDER COATED TO LIGHT GREY TO SHADE 631 OF IS:5 SEMI GLOSSY.

QTY.	ITEM No.	DESCRIPTION	DRAWING NO.	01	AA1011715112	0.5
				ITEM No.	MATERIAL CODE	UT.Wt. (kgs)
CARD TYPE 2				VARI ANT	MATERIAL SPECN.	QTY.
		2 Thk x 48.5 x 748 Lg. CRCA SHEET				

DRN	NAME	SIGN.	DATE	No. OF
	MBK		15.09.2021	
	SD		15.09.2021	
CKD				
APPD				

DRN	NAME	SIGN.	DATE	No. OF
	MBK		15.09.2021	
	SD		15.09.2021	
CKD				
APPD				

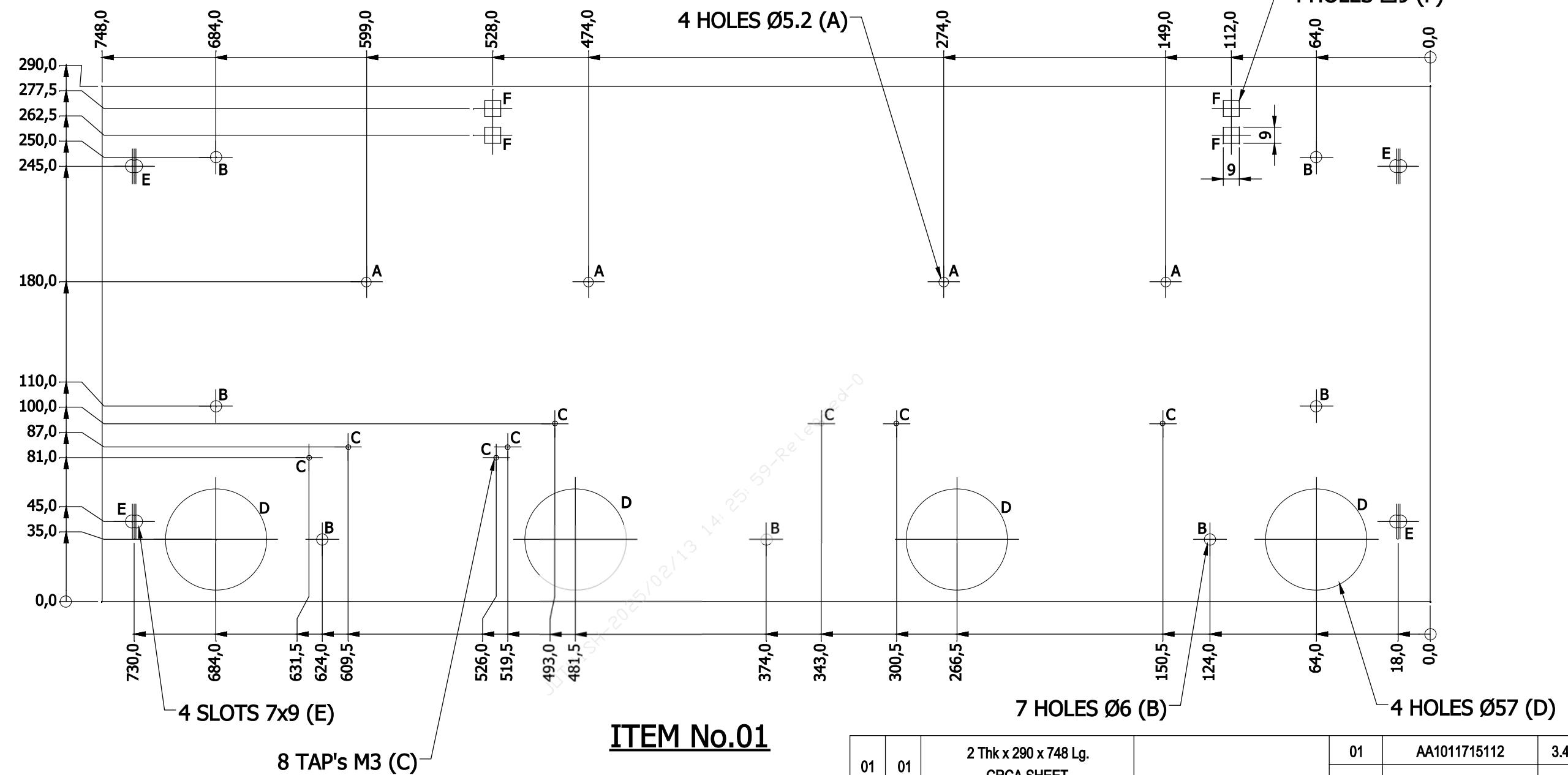
DEPT. BOP	FOR UNSPECIFIED-TOLERANCES REFER ED 0230499	SCALE 1:6	WEIGHT(Kg)	REF. TO ASSY. DRG.	ITEM NO.	No. OF
				CODE 415		

TITLE VERTICAL DIN SUPPORT PLATE DETAIL				DRAWING NO.	REV.
				3 659 26 00036	00
				SHEET NO. 01	NO. OF SHEETS 01

FIRST ANGLE PROJECTION

DRAWING NO. 3 659 43 02236

COPYRIGHT AND CONFIDENTIAL

The information on this document is the property of Bharat Heavy Electricals Limited.
It must not be used directly or indirectly in anyway detrimental to the interest of the Company

REF. DRG.NO.

SIGN & DATE

FINISH: POWDER COATED TO LIGHT GREY TO SHADE 631 OF IS:5 SEMI GLOSSY.

INVENTORY NO.

REV.

DATE

ALTERED

REV.

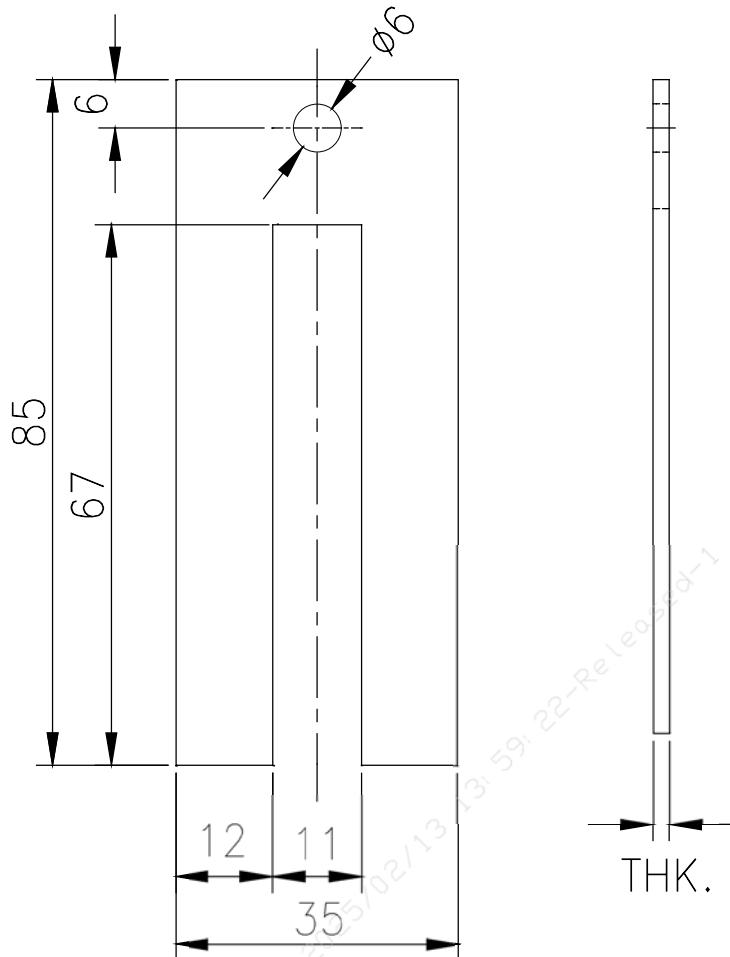
DATE

(ALL DIMENSIONS ARE IN MM)

FIRST ANGLE PROJECTION

REV.	DATE	ALTERED	REV.	DATE	ALTERED	PRADEEP	REV.	DATE	ALTERED	PRADEEP
		CHECKED			CHECKED	SN MURTHY			CHECKED	KBR
		APPROVED			APPROVED	SUSHEEL			APPROVED	AL
DIMENSION 67,11&12 WERE 64,10&12.5 RESPECTIVELY,REVISED AS PER SHOP FEEDBACK,						MATERIAL WAS AL ALLOY SHT. ITEM NO.3 ADDED, REVISED & REDRAWN.				

COPYRIGHT AND CONFIDENTIAL
The information on this document is the property of Bharat Heavy Electricals Limited.
It must not be used directly or indirectly in anyway detrimental to the interest of the Company.



FINISH : ZINC PLATED & PASSIVATED TO 0.013THK.

REF. DRG NO.	QTY.	ITEM NO.	DESCRIPTION	DRAWING NO.	ITEM	MATERIAL CODE	UNIT Wt. (Kgs.)	QTY.
					VAR.	MATERIAL SPECN.		
	03		3THK. CRCS SHEET 35 x 85 Lg.			AA1011715120		
	02		2THK. CRCS SHEET 35 x 85 Lg.			AA1011715112		
	01		1THK. CRCS SHEET 35 x 85 Lg.			AA1011715074		

INVENTORY NO.	SIGN & DATE	DEPT. GHC CODE 408	FOR UNSPECIFIED TOLERANCES REFER ED 0230499	DRAWING NO.	NAME	SIGN.	DATE	No. OF VAR
					DRN	PRADEEP		
					CKD	KBR		
					APPD	A.LOUIS		01.01.13

INVENTORY NO.	TITLE	DEPT. GHC CODE 408	FOR UNSPECIFIED TOLERANCES REFER ED 0230499	SCALE NTS	WEIGHT (Kg)	REF. TO ASSY. DRG.	ITEM NO.	No. OF ITEM	REV.
									02
	SHIM FOR CRCs HINGE BRACKET					4 653 21 11298	01	01	

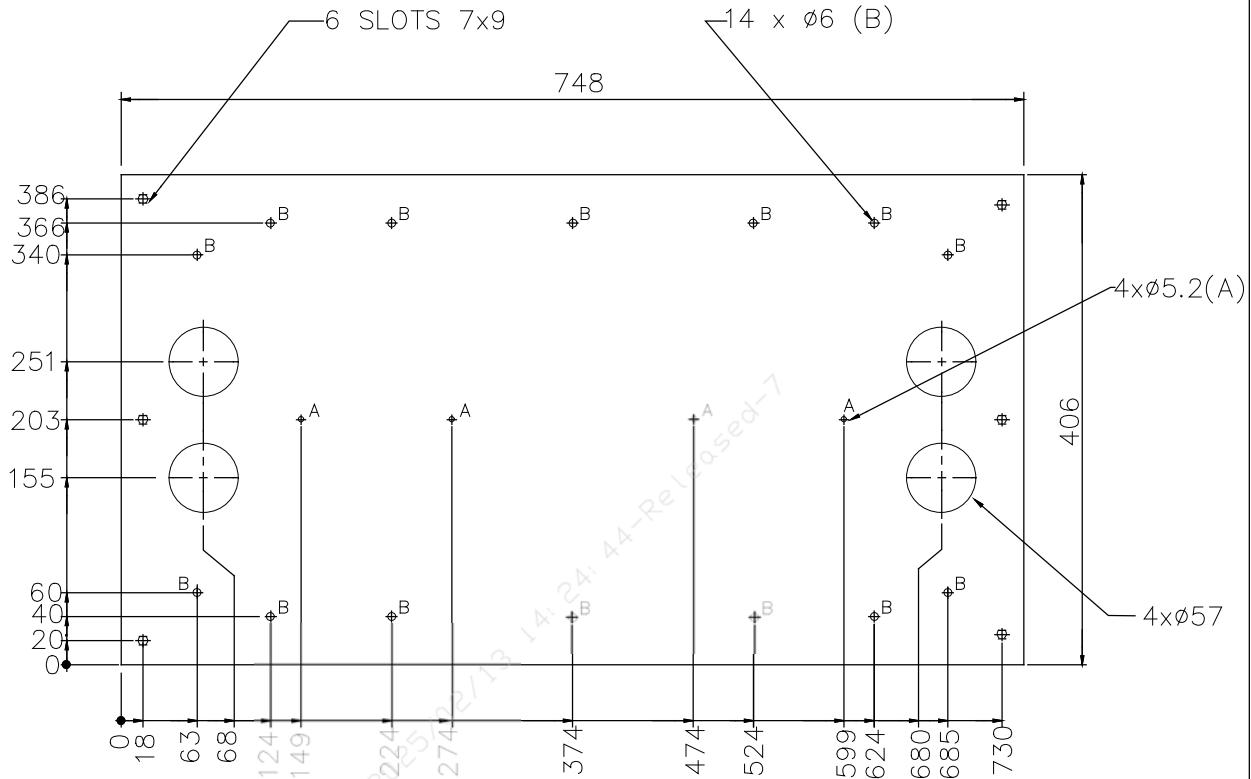
FIRST ANGLE PROJECTION

FIRST ANGLE PROJECTION						(ALL DIMENSIONS ARE IN MM)						
the Company ated.	REV.	DATE	ALTERED	VIN	REV.	DATE	ALTERED	VIN	REV.	DATE	ALTERED	VIN
	06	27.01.23	CHECKED	AR	05	30.08.21	CHECKED	VIN	04	30.04.14	CHECKED	PD
			APPROVED	AR			APPROVED	AR			APPROVED	PD
	4xØ57 & 14xØ6(B) WAS 2xØ57 & 16xØ6(B) RESPECTIVELY, REVISED BASED ON PRODUCTION FEEDBACK.				DIMENSION 146,5,271,471 & 596 MADE AS 149,274,474 & 599 RESPECTIVELY FOR SYMMETRY, BASED ON PRODUCTION FEEDBACK.				2 HOLES Ø57 DIMN 68 & 680 WERE 63 &685 RESPECTIVELY.			

The information on this document is the property of Bharat Heavy Electricals Limited. It must not be used directly or indirectly in anyway detrimental to the interest of the

4 656 21 00256
REF. DRG.NO.

FINISH:— POWDER COATED LIGHT GREY TO SHADE 631 OF IS:5



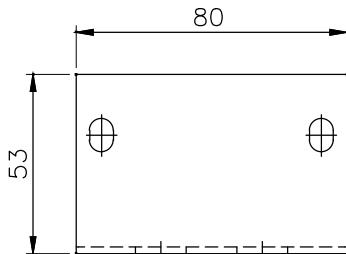
FINISH: - POWDER COATED LIGHT GREY TO SHADE 631 OF IS: 5							
REF. DRG. NO.	4 656 21 00256	1	01	2THK x 406 x 748 LG. CRC SHEET		AA1011715112	4.2
QTY.	ITEM NO.	DESCRIPTION		DRAWING No.	ITEM	MATERIAL CODE	A UNIT Wt. (Kgs.)
					VAR.	MATERIAL SPECN.	C QTY.
SIGN & DATE	 BHARAT HEAVY ELECTRICALS LIMITED. ELECTRONICS DIVISION, BANGALORE		DRN	NAME	SIGN.	DATE	No. OF VAR
		CKD	SSB		22/02/08		
		APPD	BNM		22/02/08		
INVENTORY NO.	DEPT. ENGG. CODE 409	FOR UNSPECIFIED TOLERANCES REFER ED 0230499		SCALE 1:5	WEIGHT (Kg)	REF. TO ASSY. DRG. 4 656 21 00255	ITEM NO. 01 No. OF ITEM 1
TITLE	PLATE FOR 8 LEVEL TB				DRAWING NO.	4 656 21 00256	REV. 06
					SHEET NO.	01	NO. OF SHEETS 01

(ALL DIMENSIONS ARE IN MM)

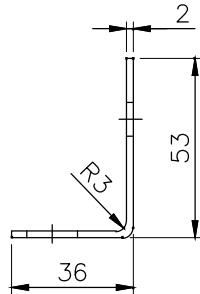
FIRST ANGLE PROJECTION

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

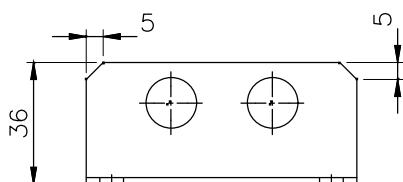
COPYRIGHT AND CONFIDENTIAL
The information on this document is the property of Bharat Heavy Electricals Limited.
It must not be used directly or indirectly in anyway detrimental to the interest of the Company.



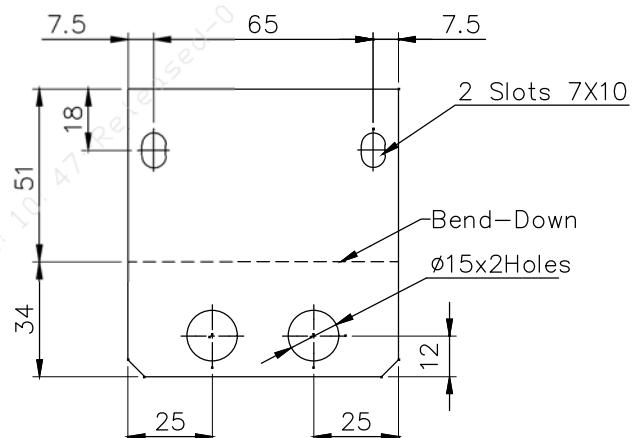
FRONT VIEW



END VIEW



PLAN



DEVELOPED VIEW

FINISH: - POWDER COATED LIGHT GREY TO SHADE 631 OF IS:5

4 656 21 00313 REF. DRG.NO.	1 01	2THK x 80 x 85 LG. CRCS SHEET			AA1011715112		
					ITEM	MATERIAL CODE	
QTY.	ITEM NO.	DESCRIPTION	DRAWING NO.		VAR.	MATERIAL SPECN.	A C QTY.
SIGN & DATE		BHARAT HEAVY ELECTRICALS LIMITED ELECTRONICS DIVISION, BANGALORE		DRN. CKD APPD	NAME	SIGN.	DATE
INVENTORY NO.	DEPT. ENGG. CODE 410	FOR UNSPECIFIED TOLERANCES REFER ED 0230499	SCALE 1:2	REF. TO ASSY. DRG.	ITEM NO.	No. OF ITEM	No. OF VAR
TITLE		L-BRACKET (FOR DOOR SWITCH)		DRAWING NO.	4 656 21 00313	REV. 00	
				SHEET NO.	01	NO. OF SHEETS	01

(ALL DIMENSIONS ARE IN MM)

FIRST ANGLE PROJECTION

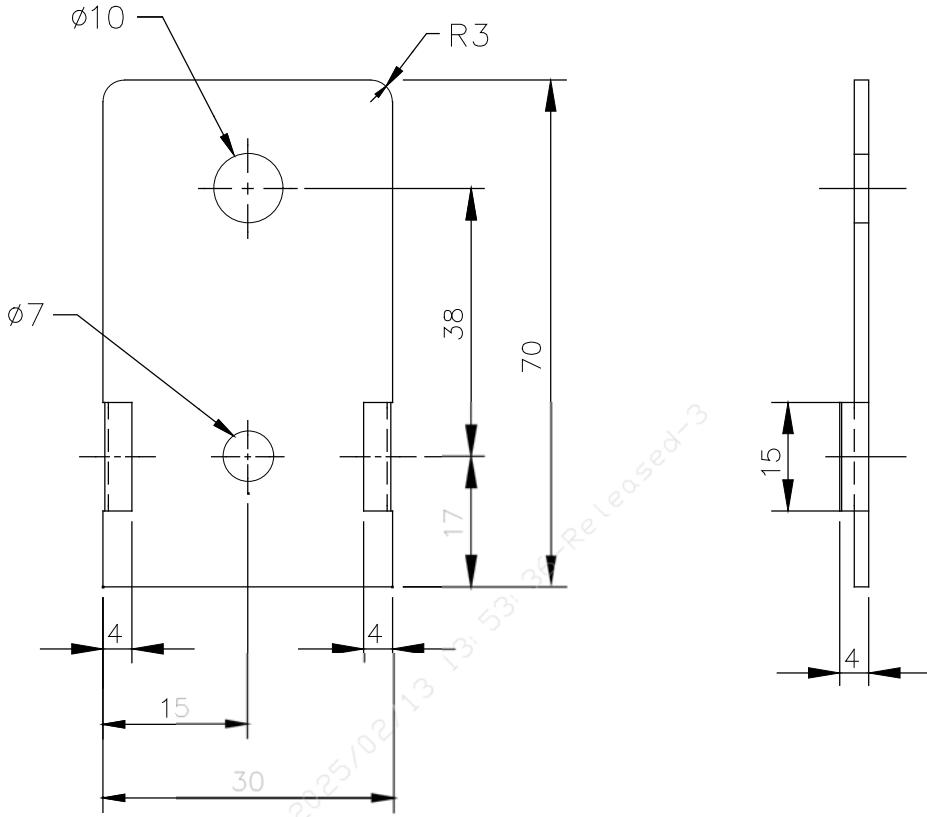
REV.	DATE	ALTERED	MBK	REV.	DATE	ALTERED	SN	REV.	DATE	ALTERED	HDH
03	20.09.17	CHECKED	SD	02	07.12.2004	CHECKED	SS	01	12.10.2001	CHECKED	SS
		APPROVED	KBD			APPROVED	SS			APPROVED	SS

CHAMFER 3x45° REMOVED AND FILLET R3 ADDED. BASED ON FABRICATION MAIL Dtd.20.09.17

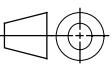
DIA 10 WAS DIA 9.5

MATL.DESCRIPTION WAS 2THkx32x70Lg.

COPYRIGHT AND CONFIDENTIAL
The information on this document is the property of Bharat Heavy Electricals Limited.
It must not be used directly or indirectly in anyway detrimental to the interest of the Company.



FINISH: - POWDER COATED TO LIGHT GRAY SHADE 631 OF IS:5

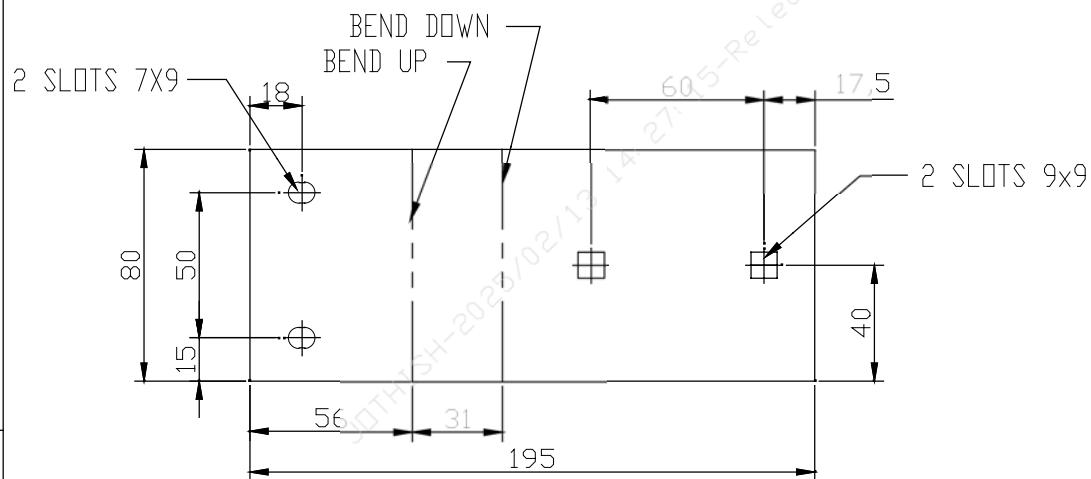
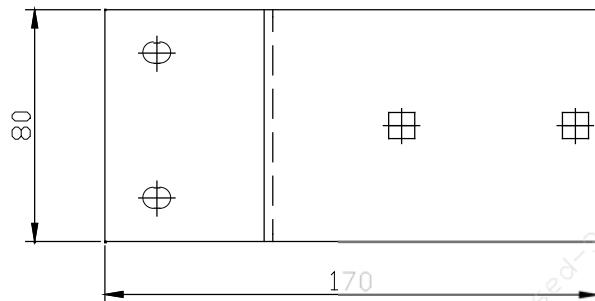
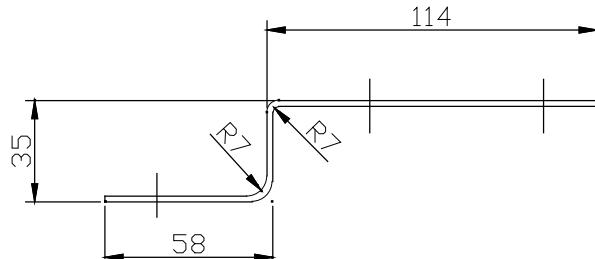
REF. DRG.NO.	01	2THKx30x70LG. CRCS SHEET		DRAWING NO.	CN1011715112		0.04	
		ITEM NO.	DESCRIPTION		ITEM	MATERIAL CODE		
QTY.					A	UNIT Wt. (Kgs.)		
					C	QTY.		
SIGN & DATE								
		BHARAT HEAVY ELECTRICALS LIMITED ELECTRONICS DIVISION, BANGALORE			DRN	NAME	SIGN.	DATE
					HDH			24-08-2001
					CKD	SS		24-08-2001
					APPD	SS		24-08-2001
INVENTORY NO.	DEPT. ENGG.	FOR UNSPECIFIED TOLERANCES REFER ED 0230499		SCALE 1 : 1	WEIGHT (Kg)	REF. TO ASSY. DRG.	ITEM NO.	No. OF ITEM
	CODE 415					46562100163	01	
	TITLE	BRACKET (FOR WRIST BAND SOCKET)			DRAWING NO.	4 659 43 00278		REV. 03
					SHEET NO.	01	NO. OF SHEETS	01

(ALL DIMENSIONS ARE IN MM)

FIRST ANGLE PROJECTION

REV.	DATE	ALTERED	MBK	REV.	DATE	ALTERED	HDH	REV.	DATE	ALTERED	HDH
03	12.12.15	CHECKED	RR	02	22.12.04	CHECKED	SS	01	27.08.03	CHECKED	SS
		APPROVED	RR			APPROVED	SS			APPROVED	SS
		BEND DOWN/UP RADIUS CHANGED TO R7 FROM R2 BASED ON FAB, FEEDBACK			Dimn. 166 was 149 Matl was 3.15 Thk.			PITCH FOR 9x9 SLOTS WAS 45			

COPYRIGHT AND CONFIDENTIAL
The information on this document is the property of Bharat Heavy Electricals Limited.
It must not be used directly or indirectly in anyway detrimental to the interest of the Company.



DEVELOPED VIEW FINISH:- POWDER COATED TO LIGHT GREY SHADE 631 OF IS:5

REF. DRG.NO.	01	2THKx80x195 Lg. CRCS SHEET	DRAWING No.		AA1011715112	0.24			
				ITEM	MATERIAL CODE	UNIT Wt. (Kgs.)			
QTY.	ITEM NO.	DESCRIPTION	DRAWING No.	VAR.	MATERIAL SPECN.	C QTY.			
SIGN & DATE	Bharat Heavy Electricals Limited Electronics Division, Bangalore			DRN	NAME	DATE	No. OF VAR		
				CKD	SS	26-06-2003			
INVENTORY NO.	DEPT. ENGG.	FOR UNSPECIFIED TOLERANCES REFER ED 0230499	SCALE 1 : 2.5	WEIGHT (kg)	REF. TO ASSY. DRG.	ITEM NO.	No. OF ITEM		
	CODE 415				3 659 43 00589	35	—		
TITLE Z BRACKET FOR SMOKE DETECTOR				DRAWING NO.	4 659 43 00299		REV. 03		
				SHEET NO.	01	NO. OF SHEETS	01		

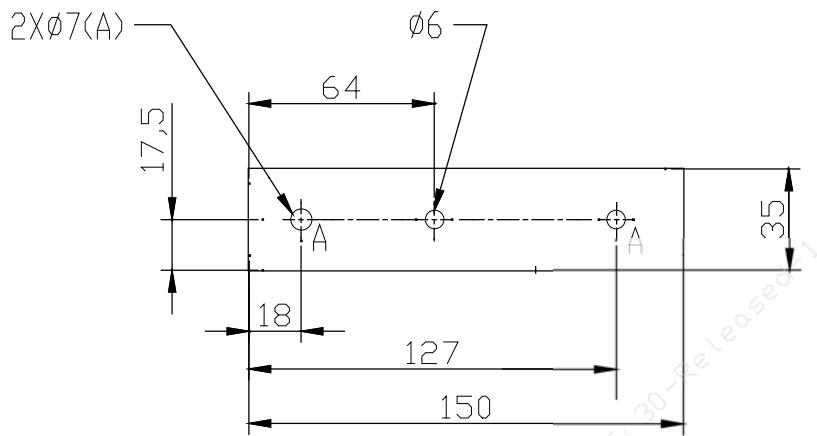
(ALL DIMENSIONS ARE IN MM)

FIRST ANGLE PROJECTION

REV.	DATE	ALTERED	REV.	DATE	ALTERED	REV.	DATE	ALTERED
		CHECKED			CHECKED	01	30.09.04	SS
		APPROVED			APPROVED			APPROVED SS

Chamfer 5x45 Removed

COPYRIGHT AND CONFIDENTIAL
It must not be used directly or indirectly in anyway detrimental to the interest of the Company



FINISH:-POWDER COATED LIGHT GREY TO SHADE 631 OF IS:5

REF. DRG.NO.	01	2THKx35x150 Lg. CRCA SHEET	DRAWING NO.	AA1011715112		0.082
				ITEM	MATERIAL CODE	
QTY.	ITEM NO.	DESCRIPTION		VAR.	MATERIAL SPECN.	A C UNIT Wt. (Kgs.) QTY.

SIGN & DATE	Bharat Heavy Electricals Limited Electronics Division, Bangalore	DRN	NAME	SIGN.	DATE	No. OF VAR
			SS		31-05-2004	
			SS		31-05-2004	

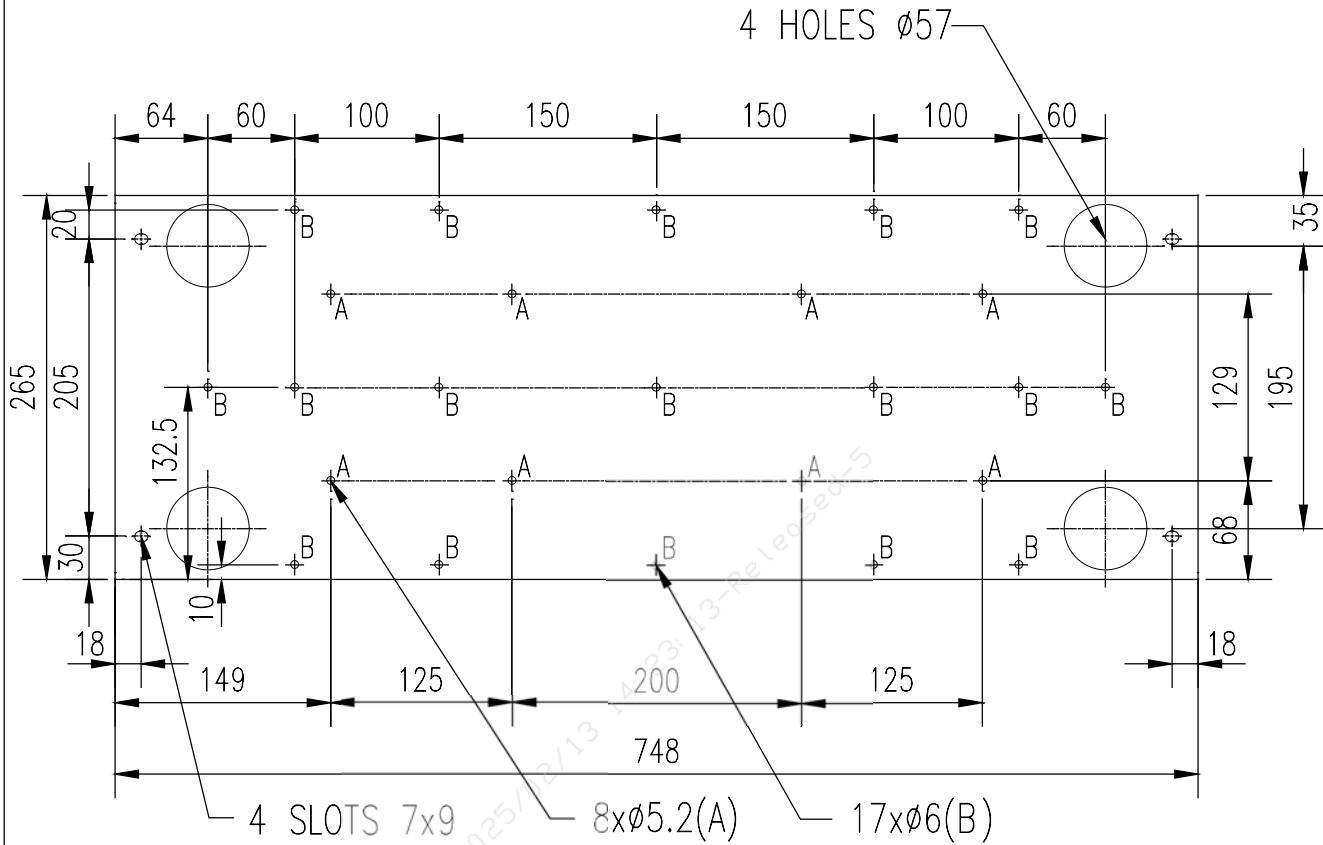
INVENTORY NO.	DEPT. ENGG.	FOR UNSPECIFIED TOLERANCES REFER ED 0230499	SCALE 1 : 2.5	WEIGHT (Kg)	REF. TO ASSY. DRG.	ITEM NO.	No. OF ITEM
	CODE 415						
	TITLE 'G' & CAB.CHNL ASSY.				DRAWING NO. 4 659 43 00308		REV. 01
					SHEET NO. 01	NO. OF SHEETS 01	

(ALL DIMENSIONS ARE IN MM)

FIRST ANGLE PROJECTION

REV.	DATE	ALTERED	MBK	REV.	DATE	ALTERED	MBK	REV.	DATE	ALTERED	MBK
03	22.12.12	CHECKED	RR	05	30.08.21	CHECKED	SD	04	10.04.13	CHECKED	RR
		APPROVED	RR			APPROVED	SKB			APPROVED	RR
		4 HOLES Ø57 ADDED FOR CABLE ROUTING		DIMENSION 146.5 MADE AS 149 FOR SYMMETRY BASED ON PRODN FEEDBACK			REVISED AS PER MAIL Dtd 05/4/13 FROM FABN, Ø57 HOLES DISTANCE CHANGED FROM 30 TO 35.				

COPYRIGHT AND CONFIDENTIAL
The information on this document is the property of Bharat Heavy Electricals Limited.
It must not be used directly or indirectly in anyway detrimental to the interest of the Company.



FINISH:-POWDER COATED LIGHT GREY TO SHADE 631 OF IS:5

1	01	2 THK x 265 x 748 LG. CRCS SHEET			AA1011715112	3.12
QTY.	ITEM NO.	DESCRIPTION	DRAWING No.	ITEM	MATERIAL CODE	A UNIT Wt. (Kgs.)
				VAR.	MATERIAL SPECN.	C QTY.

INVENTORY NO.	SIGN & DATE	Bharat Heavy Electricals Limited Electronics Division, Bangalore	DRN	NAME	SIGN.	DATE	No. OF VAR
				SS		26-04-2004	
			CKD	SS		28-04-2004	
			APPD	SS		28-04-2004	
DEPT. ENGG.	FOR UNSPECIFIED TOLERANCES REFER ED 0230499	SCALE 1 : 5	WEIGHT (kg)	REF. TO ASSY. DRG.	ITEM NO.	No. OF ITEM	
CODE 415						—	
TITLE PL. FOR DIN RAIL/CHNL ASSY.(2ROWS OF TB'S)	DRAWING NO.	4 659 43 00309	REV.	05			
	SHEET NO.	01	NO. OF SHEETS	01			

(ALL DIMENSIONS ARE IN MM)

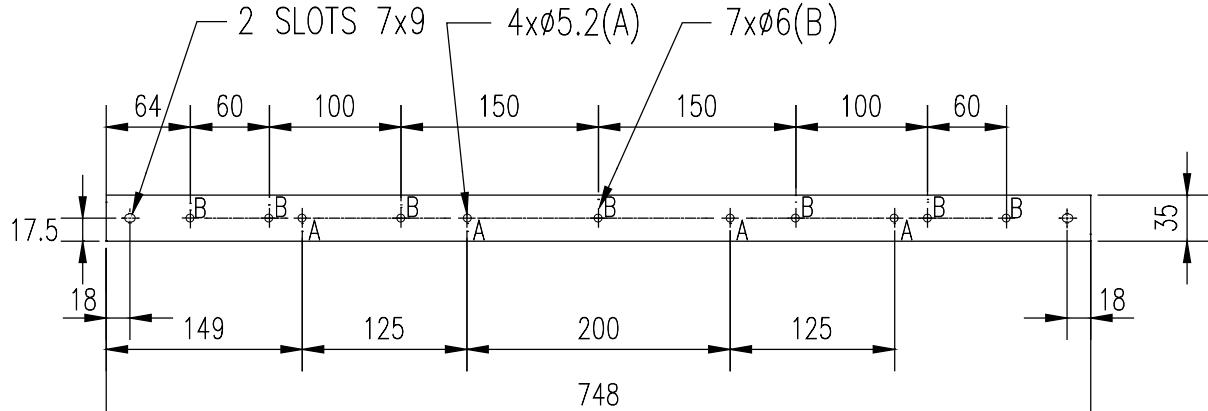
FIRST ANGLE PROJECTION

REV.	DATE	ALTERED	MBK	REV.	DATE	ALTERED	MBK	REV.	DATE	ALTERED	NST
03	23.08.21	CHECKED	SD	02	23.08.12	CHECKED	RR	04	02.01.24	CHECKED	GS
		APPROVED	SKB			APPROVED	RR			APPROVED	JK

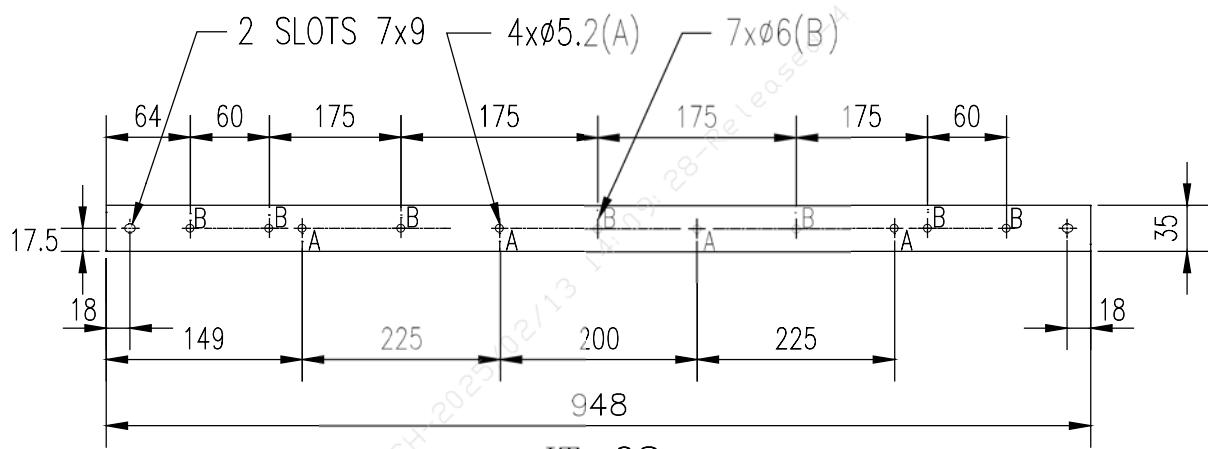
DIMENSION 146.5 MADE AS 149 FOR SYMMETRY BASED ON PRODN FEEDBACK

HOLE DIA (A) CHANGED TO 5.2 FROM 5 mm. AS PER PRODUCTION FEEDBACK.

IT-02 ADDED.



IT-01



FINISH:-POWDER COATED LIGHT GREY TO SHADE 631 OF IS:5

1	02	2 THK x 35 948 LG. CRCS SHEET			AA1011715112		0.52
1	01	2 THK x 35 x 748 LG. CRCS SHEET			AA1011715112		0.41
QTY.	ITEM NO.	DESCRIPTION	DRAWING NO.	ITEM	MATERIAL CODE	A	UNIT Wt. (Kgs.)
				VAR.	MATERIAL SPECN.	C	QTY.

SIGN & DATE	REF. DRGNO.	Bharat Heavy Electricals Limited Electronics Division, Bangalore	DRN	NAME	SIGN.	DATE	No. OF VAR
				SS		16-07-2004	
				SS		16-07-2004	

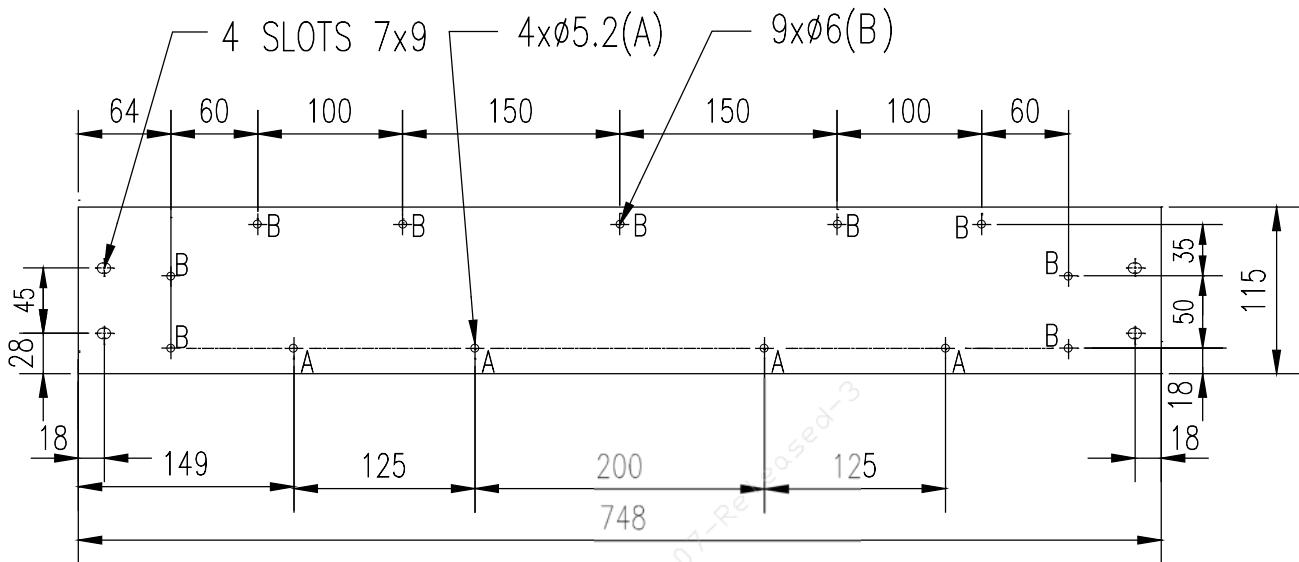
INVENTORY NO.	DEPT. ENGG.	FOR UNSPECIFIED TOLERANCES REFER ED 0230499		SCALE 1 : 5	WEIGHT (Kg)	REF. TO ASSY. DRG.	ITEM NO.	NO. OF ITEM
	CODE 415							—
	TITLE PL. FOR DIN RAIL/CHNL ASSY.				DRAWING NO.	4 659 43 00311	REV. 04	
					SHEET NO.	01	NO. OF SHEETS	01

(ALL DIMENSIONS ARE IN MM)

FIRST ANGLE PROJECTION

REV.	DATE	ALTERED	MBK	REV.	DATE	ALTERED	MBK	REV.	DATE	ALTERED	SN
03	30.08.21	CHECKED	SD	02	23.08.12	CHECKED	RR	01	30.05.07	CHECKED	SS
		APPROVED	SKB			APPROVED	RR			APPROVED	SS
DIMENSION 146.5 MADE AS 149 FOR SYMMETRY BASED ON PRODN FEEDBACK				HOLE DIA (A) CHANGED TO 5.2 FROM 5 mm. AS PER PRODUCTION FEEDBACK.				Slot & 'B' Row Locating Dimns. 28 & 35 Were 35 & 34			

COPYRIGHT AND CONFIDENTIAL
The information on this document is the property of Bharat Heavy Electricals Limited.
It must not be used directly or indirectly in anyway detrimental to the interest of the Company



FINISH:-POWDER COATED LIGHT GREY TO SHADE 631 OF IS:5

1	01	2 THK x 115 x 748 LG. CRCS SHEET			AA1011715112	1.35
QTY.	ITEM NO.	DESCRIPTION	DRAWING No.	ITEM	MATERIAL CODE	A UNIT Wt. (Kgs.)
				VAR.	MATERIAL SPECN.	C QTY.

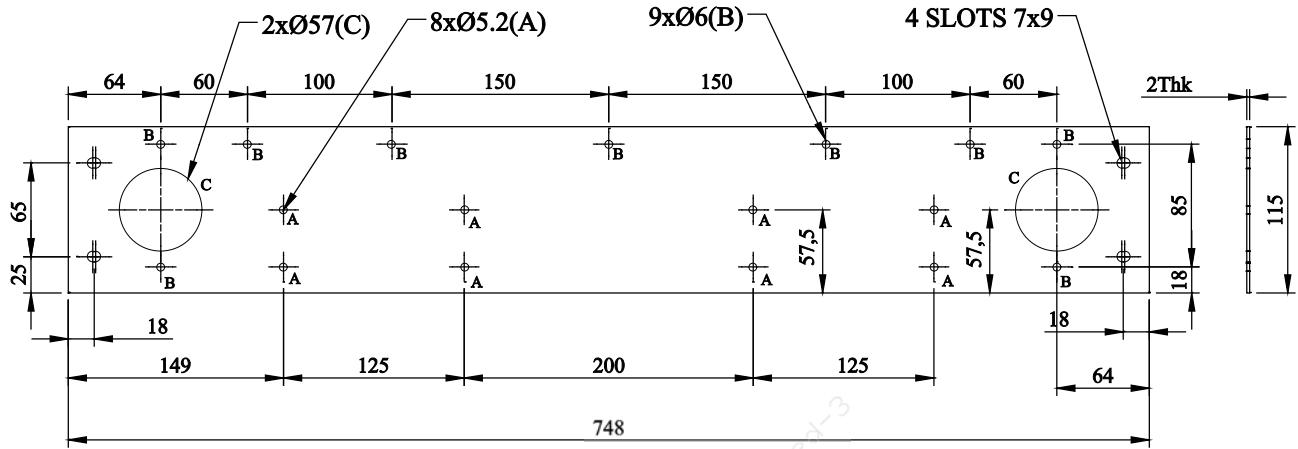
INVENTORY NO.	SIGN & DATE	Bharat Heavy Electricals Limited Electronics Division, Bangalore	DRN	NAME	SIGN.	DATE	No. OF VAR
				SN		06-03-2006	
			CKD	SS		06-03-2006	
			APPD	SS		06-03-2006	
DEPT. ENGG.	FOR UNSPECIFIED TOLERANCES REFER ED 0230499	SCALE 1 : 5	WEIGHT (kg)	REF. TO ASSY. DRG.	ITEM NO.	No. OF ITEM	
CODE 415				4 659 43 00331	01	—	
TITLE PL.FOR DIN RAIL AND CHNL ASSY.	DRAWING NO.	4 659 43 00330	REV.				03
	SHEET NO.	01	NO. OF SHEETS	01			

(ALL DIMENSIONS ARE IN MM)

FIRST ANGLE PROJECTION

REV.	DATE	ALTERED	MBK	REV.	DATE	ALTERED	MBK	REV.	DATE	ALTERED	MBK
03	20.06.22	CHECKED	SD	02	23.02.21	CHECKED	SD	01	06.02.15	CHECKED	RR
		APPROVED	SKB			APPROVED	SKB			APPROVED	RR
		DRAWING NO. 46562100316 MERGED AND MADE SINGLE DRAWING FOR BOTH.				57	ADDED			DIMENSION 748 WAS MISSING	

COPYRIGHT AND CONFIDENTIAL
The information on this document is the property of Bharat Heavy Electricals Limited.
It must not be used directly or indirectly in anyway detrimental to the interest of the Company.

ITEM No.01

FINISH:- POWDER COATED LIGHT GREY TO SHADE 631 OF IS:5

REF. DRG.NO.	CRCS SHEET 2 THK x 115 x 748 LG.		DRAWING No.	AA1011715112		1.35				
	QTY.	ITEM NO.		ITEM	MATERIAL CODE		A	UNIT Wt. (Kgs.)		
INVENTORY NO.	SIGN & DATE	DESCRIPTION			VAR.	MATERIAL SPECN.	C	QTY.	No. OF VAR	
DEPT. BOP CODE 415	Bharat Heavy Electricals Limited. Electronics Division, Bangalore				DRN	NAME	SIGN.	DATE		
					CKD	MBK		08.03.2013		
					APPD	RR		09.03.2013		
TITLE DETAIL OF PLATE FOR G-CHNL, CABL CHNL, DIN RAIL & C-PRFL ARRG'T		REF. TO ASSY. DRG. 4 659 43 00366			ITEM NO.	01	NO. OF ITEM	01	REV. 03	
FOR UNSPECIFIED TOLERANCES REFER ED 0230499		SCALE 1:5	WEIGHT (Kg)	DRAWING NO. 4 659 43 00365			SHEET NO.	01	NO. OF SHEETS	