

3 521 62 01579

DRG. NO.

FOR ARRANGEMENT REFER  
DRAWING- 15216201577

NOTE: ITEM NO. 027 TO BE SPECIFIED ON  
PO/ FURTHER COMMUNICATION

002			013	SUPPORT FOR CABLE		35216201538	004				0.202		
											001		
003			012	SUPPORT FOR CABLE		35216201538	003				0.309		
											001		
004			011	SUPPORT FOR CABLE		35216201538	002				0.133		
											001		
006			010	SUPPORT FOR CABLE		35216201578	002				0.202		
											001		
002			009	SUPPORT FOR CABLE		35216201578	001				0.247		
											001		
002			008	PIN		45212001569	002				0.008		
											001		
002			007	BRACKET FOR FUSE PLATE		35212001665	003				0.015		
											001		
002			006	HINGE BRACKET FOR FUSE PLATE		35212001665	004				0.017		
											001		
001			005	CONTACTOR RESISTOR MOUNTING PLATE		35210052626	001				2.763		
											001		
001			004	EARTH STRIP		35216201531	001				0.127		
											001		
001			003	BOTTOM COVER		35216201523	001				3.997		
001			002	HINGED DOOR ASSLY		1 521 62 01579					31.389		
							00				001		
001			001	W.A OF INST PANEL 1196 HIGH x820 WIDE		1 521 62 01575					42.294	-	-
							00				001		
VAR 00	REMARKS	VAR. NO.	ITEM NO	DESCRIPTION	STD.	DRAWING NO.	IT.NO	MATL. CODE	A/C	UNIT	UNIT WT.	G.S.	ZONE
							VAR	MATL. SPECN.			QTY.		

								ADDITIONAL INFORMATION				mRikn dk i-dkj ;k xk-gd@ifj;kstuk dk uke TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT								
REV.	DATE	ALTERED	SKG	REV.	DATE	ALTERED	SKG	STATUS OF DRAWING B				VM- 12								
06	19.07.22	CHECKED	AKHIL	05	15.09.21	CHECKED	AKHIL													
		APPROVED	AD			APPROVED	AD													
- QTY UPDATED FOR ITEM 011, 012 & 013.  (DCA-37719)				- WEIGHT UPDATED FOR ITEM 009 TO 013.  (DCA-37287)				DISTRIBUTION OF PRINTS				<div><div><div>बी एच ई एल</div><div>BHEL</div></div><div>HAKjr gsOh bysfDV&amp;dYl fyfeVsM HAKsiyk BHARAT HEAVY ELECTRICALS LTD. BHOPAL</div></div>								
								□/C		SWM						TCX				
								1		3						1				
REV.	DATE	ALTERED	SKG	REV.	DATE	ALTERED	SKG	REV.	DATE	ALTERED	RG	foHAKs DEPT	SWE	vu_ Vky_ uki dh Js.kh UNTOL.DIMS. GR.	<div><div></div><div></div></div>	vuqikr SCALE	HAKj fd_xk_— WEIGHT (K.G.)	vls_ M&kbZax dk lanHAZ REF. TO ASSY. DRG.	en d— ITEM NO.	en_ la;k NO. OF ITEM
04	27.09.18	CHECKED	AKHIL	03	11.10.17	CHECKED	AKHIL	02	28.04.16	CHECKED	RG	dksM CODE	409	'kh"AZ@OLE B.O.M FOR GENERAL ARRG.T, OF INST. PANEL 1196 HIGH x 820 WIDE (HIGHER ARC FAULT RATING)						
		APPROVED	AD			APPROVED	RG													
- QTY OF ITEM -009 TO 013 UPDATED.  (DCA-35666)				- IT. NO. 27 WAS 35216201516-001 - NOTE ADDED  DCA-35251				IT.005 WAS 35216201537-001  DCA 33864				vkjs[A d—DRAWING NO. 3 521 62 01579 iqu_@REV 06								
												i="B d—SHT. No. 01 i="Bksa dh la;k NO. OF SHT. 02								

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

1645641/2023/HEP-SWM20961

67910 79 179 3

DRG. NO.

001

001

001

002

002

001

002

004

004

004

002

037

022

039

039

VAR 00

028

027

026

025

024

023

022

021

020

019

018

017

016

015

014

REMARKS

001

001

001

002

002

001

002

004

004

004

002

037

022

039

039

VAR NO.

ITEM NO

DESCRIPTION

STD.

DRAWING NO.

IT.NO

MATL. CODE

A/C

UNIT

UNIT WT.

QTY.

ZONE

0.37

001

2.212

001

5.029

001

0.461

001

0.001

001

0.009

001

0.009

001

0.001

001

0.002

001

0.002

001

0.011

001

0.001

001

0.003

001

0.001

001

0.005

001

-

-

REV. DATE ALTERED SKG

06 19.07.22 CHECKED AKHIL

APPROVED AD

- QTY UPDATED FOR ITEM 011, 012 & 013.

(DCA-37719)

REV. DATE ALTERED SKG

05 15.09.21 CHECKED AKHIL

APPROVED AD

- WEIGHT UPDATED FOR ITEM 009 TO 013.

(DCA-37287)

REV. DATE ALTERED SKG

04 27.09.18 CHECKED AKHIL

APPROVED AD

- QTY OF ITEM -009 TO 013 UPDATED.

(DCA-35666)

REV. DATE ALTERED SKG

03 11.10.17 CHECKED AKHIL

APPROVED AD

- IT. NO. 27 WAS 35216201516-001

- NOTE ADDED

DCA-35251

REV. DATE ALTERED RG

02 28.04.16 CHECKED RG

APPROVED RG

IT.005 WAS 35216201537-001

DCA 33864

foHAKx DEPT

vu\_ Vky\_ uki dh Js.kh UNTOL.DIMS. GR.

vuqikr SCALE

HAKj fd\_xk- WEIGHT (K.G.)

vis\_ M&kbZax dk lanHAZ REF. TO ASSY. DRG.

en d-\_\_ ITEM NO.

en\_ la[k NO. OF ITEM

dkSM CODE

'kh"AZ

B.O.M FOR GENERAL ARRG.T. OF INST. PANEL 1196 HIGH x 820 WIDE (HIGHER ARC FAULT RATING)

vkjs[A d-DRAWING NO.

3 521 62 01579

i="B d-60. No. 02

i="Bksa dh la[k; NO. OF SHT. 02

ADDITIONAL INFORMATION

STATUS OF DRAWING

DISTRIBUTION OF PRINTS

mRikn dk i-dkj ;k xk-gd@ifj;kstuk dk uke TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT

HAKjr gsob bysfDV&dYl fyfeVsm HAKsiky BHARAT HEAVY ELECTRICALS LTD. BHOPAL

uke@NAME gLrk@SIGN fnaukd@ATE osfj\_ dh la[k; k NO. OF VAR

SP Sd/- 27.05.15

RG Sd/- 27.05.15

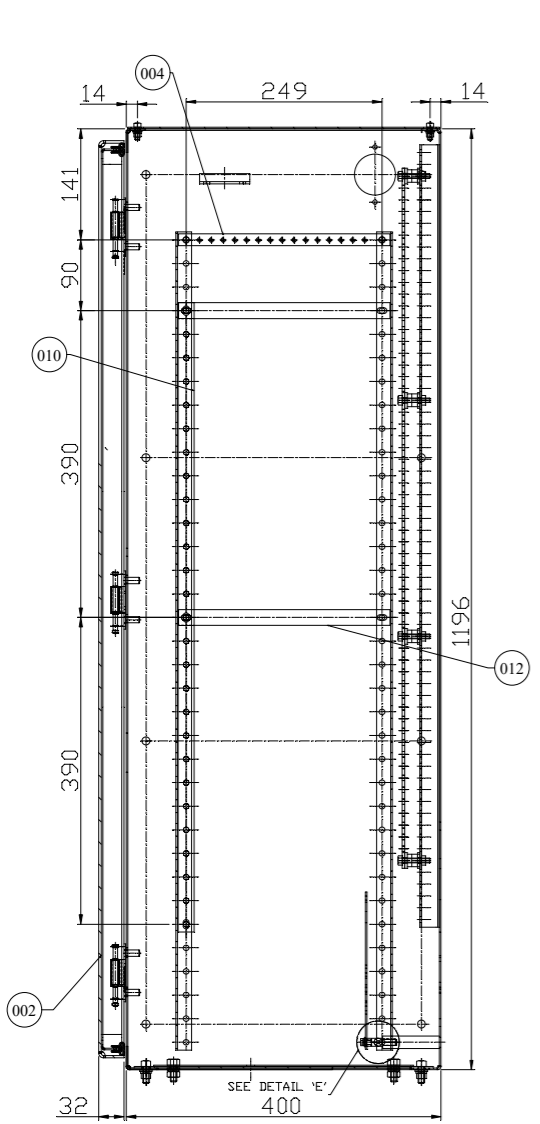
MAK Sd/- 27.05.15

-

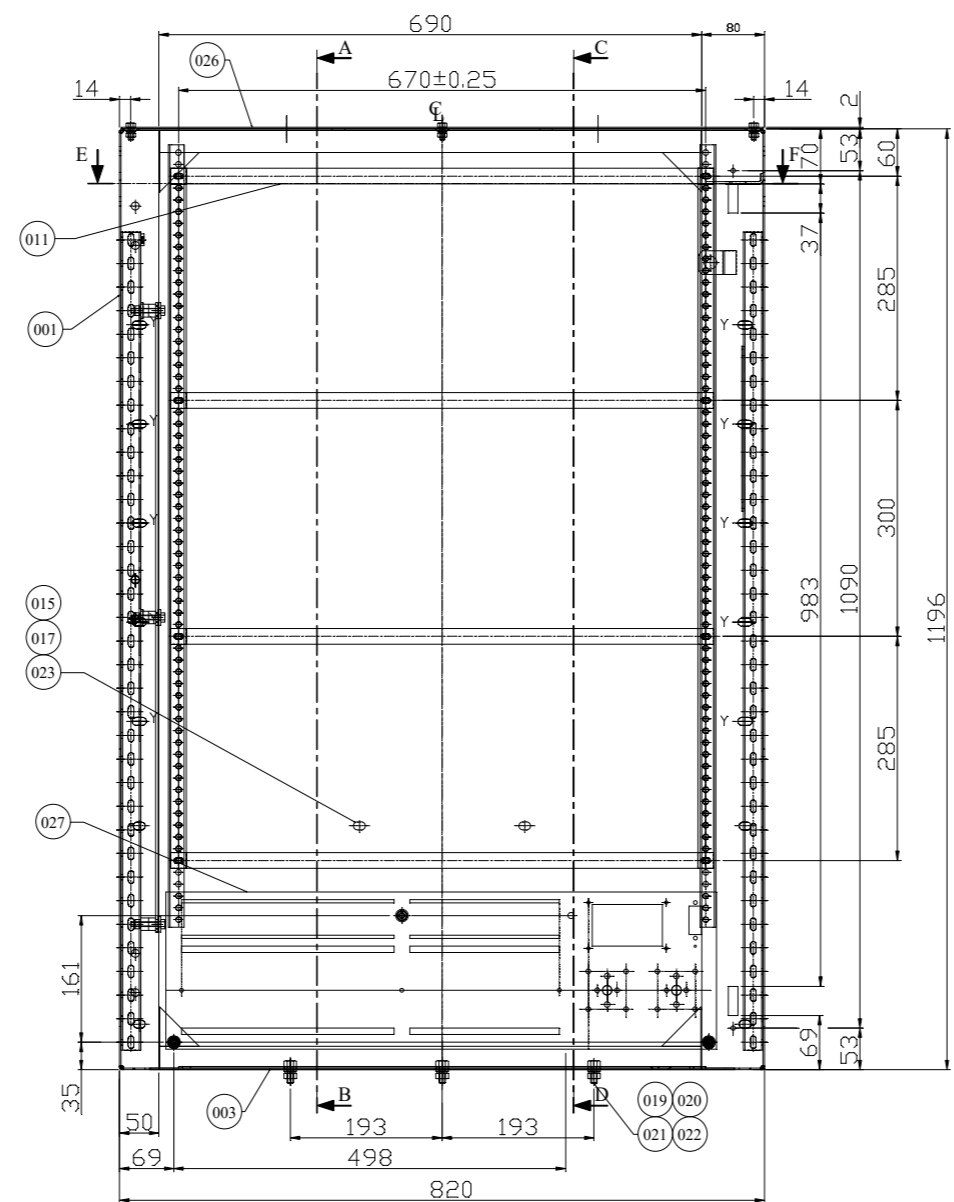
17/209

A3

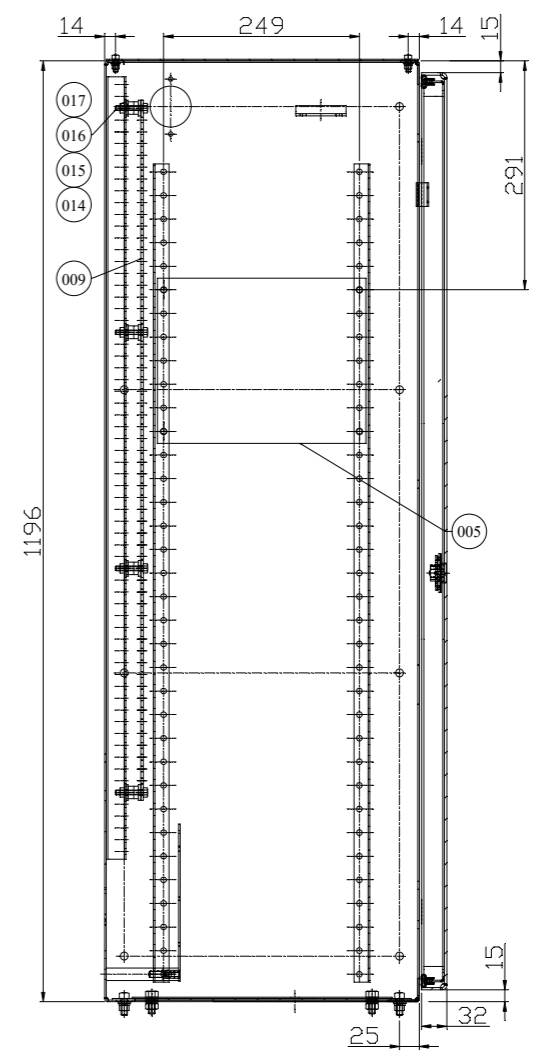
THE INFORMATION ON THIS DOCUMENT IS THE PROPERTY OF BHARAT HEAVY ELECTRICALS LIMITED.  
IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO THE INTEREST OF THE COMPANY.



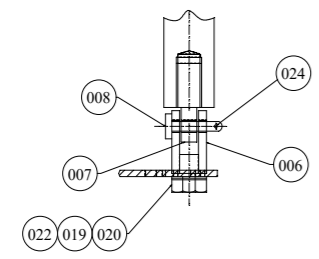
SECTION A-B



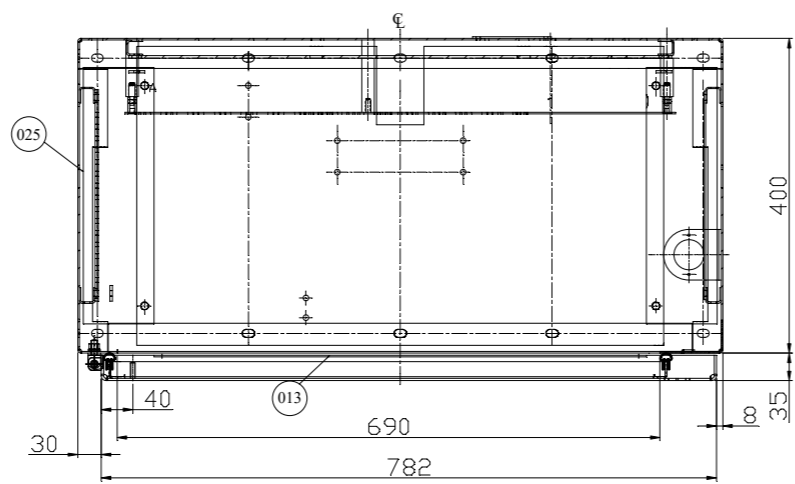
FRONT VIEW WITHOUT DOOR



SECTION C-D



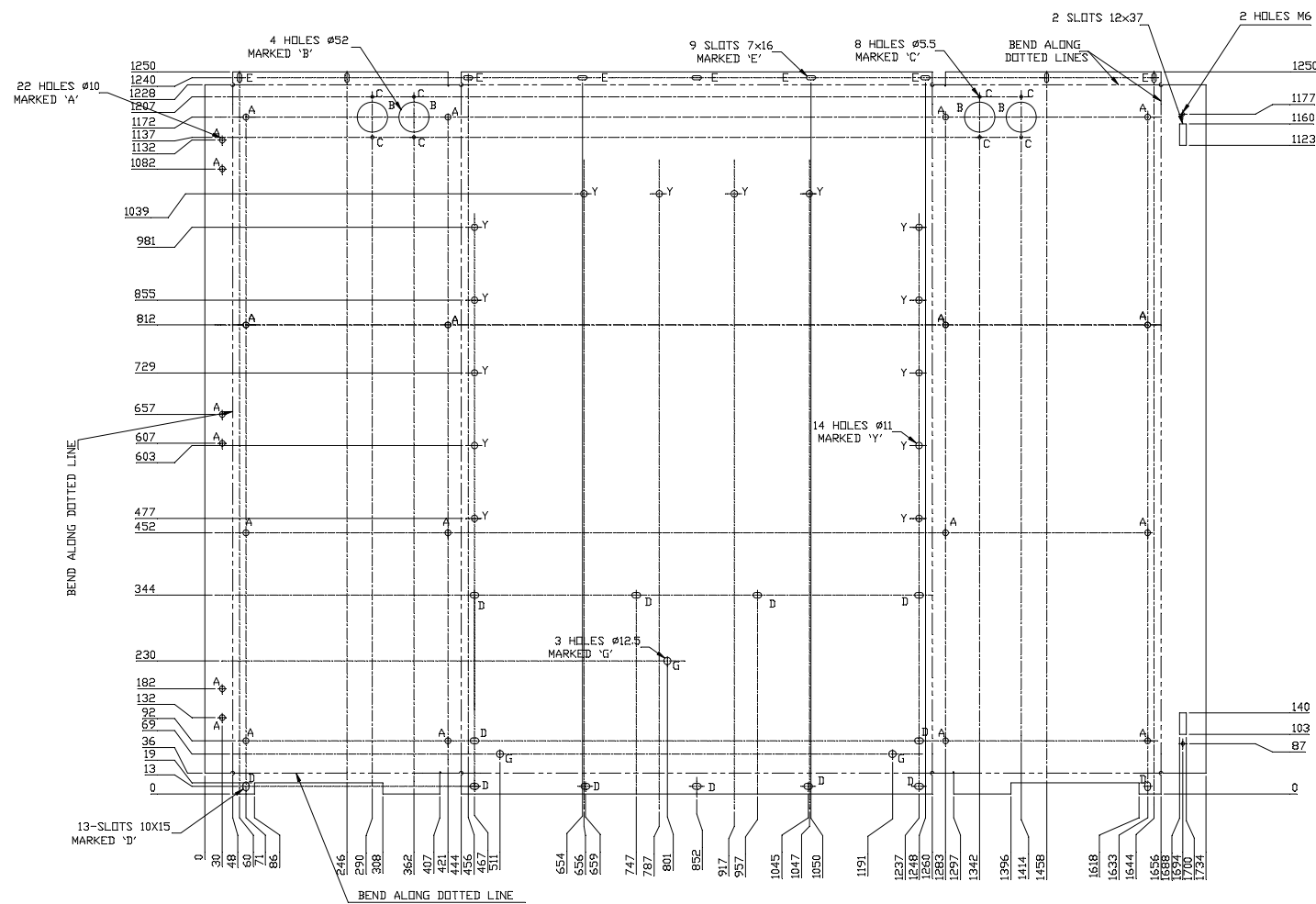
DETAIL-E



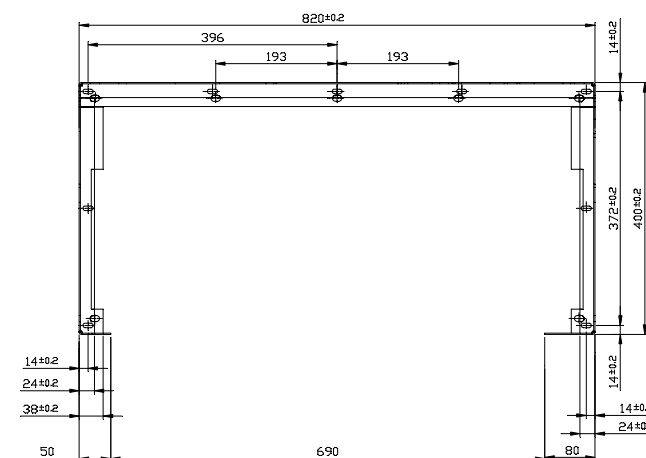
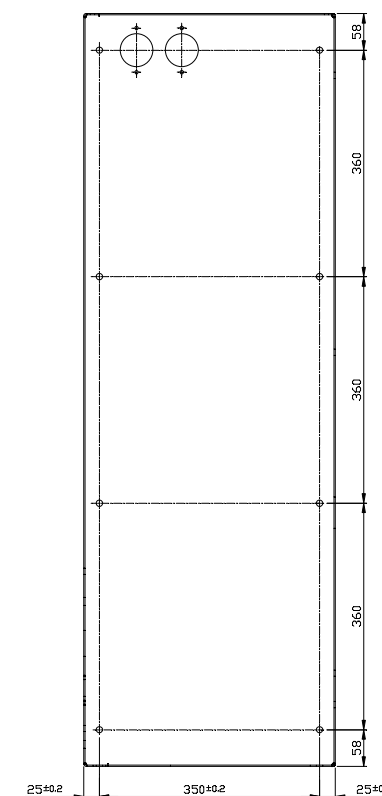
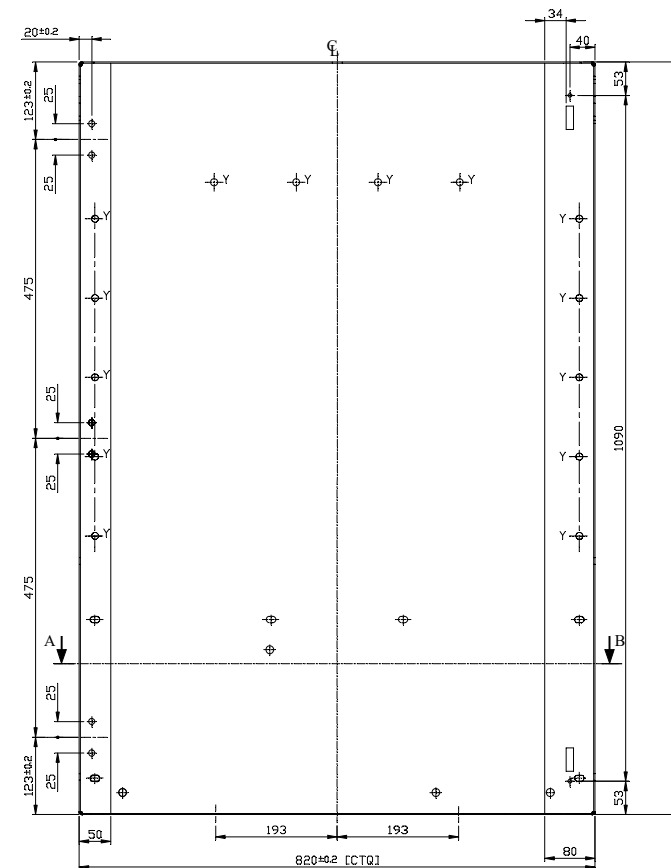
SECTION E-F

FOR BOM REFER DRG. NO. 35216201579 VAR.00

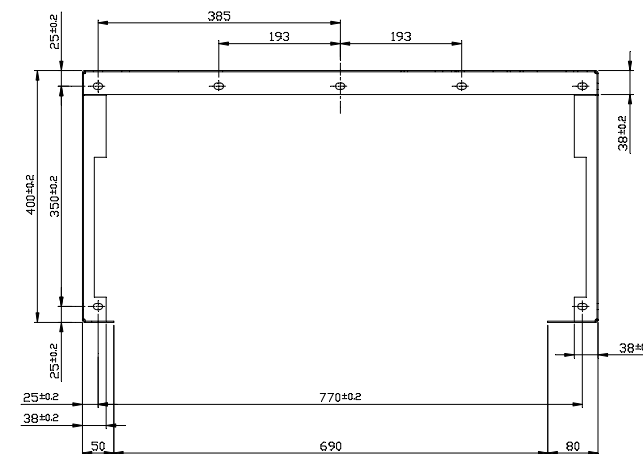
VAR.00	REMARKS	VAR NO	ITEM NO	DESCRIPTION	STD	DRAWING NO.	IT.NO VAR	MATL.CODE	MATL.SPCN	A/C	UNIT	UNIT WT. QTY	GS	ZONE						
ADDITIONAL INFORMATION																				
STATUS OF DRAWING						TYPE OF PRODUCT OR NAME OF CUSTOMER / PROJECT														
DISTRIBUTION OF PRINTS						VM-12														
O/C	SWM	TCX	DEPT SWE CODE 409			UNTEL. DIMS. GR.			SCALE 1:4			WEIGHT ( K.G. )								
REF. TO ASSY. DRG.						NAME SANDEEP			SIGN Sd/-			DATE 29.05.15								
REF. TO ASSY. DRG.						CKD. RG			Sd/-			29.05.15								
REF. TO ASSY. DRG.						APPD. MAK			Sd/-			29.05.15								
TITLE						ASSEMBLY OF INSTRUMENT PANEL						DRAWING NO.								
TITLE						1196 HIGH x 820 WIDE						1 521 62 01577								
TITLE						(HIGHER ARC FAULT RATINGS)						SHEET NO. 01								
TITLE						NO. OF SHEETS 01						REV 00								



### DEVELOPMENT OF ITEM 001



TOP VIEW





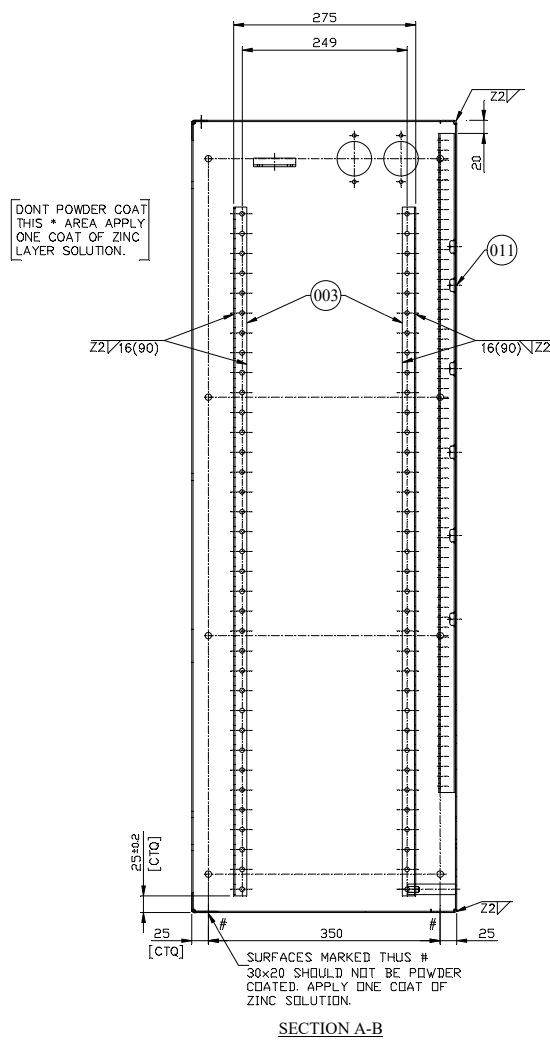
SECTION A-B

NOTE: -

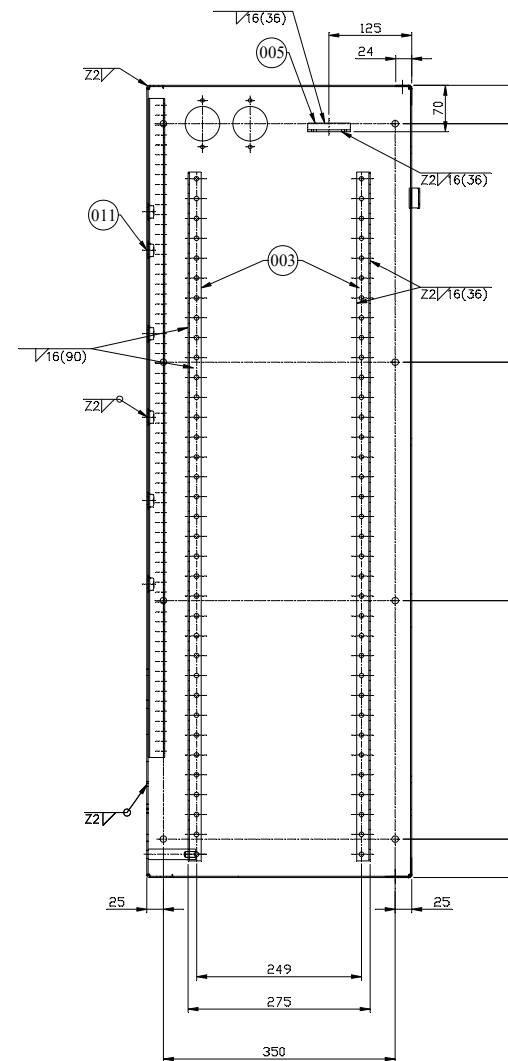
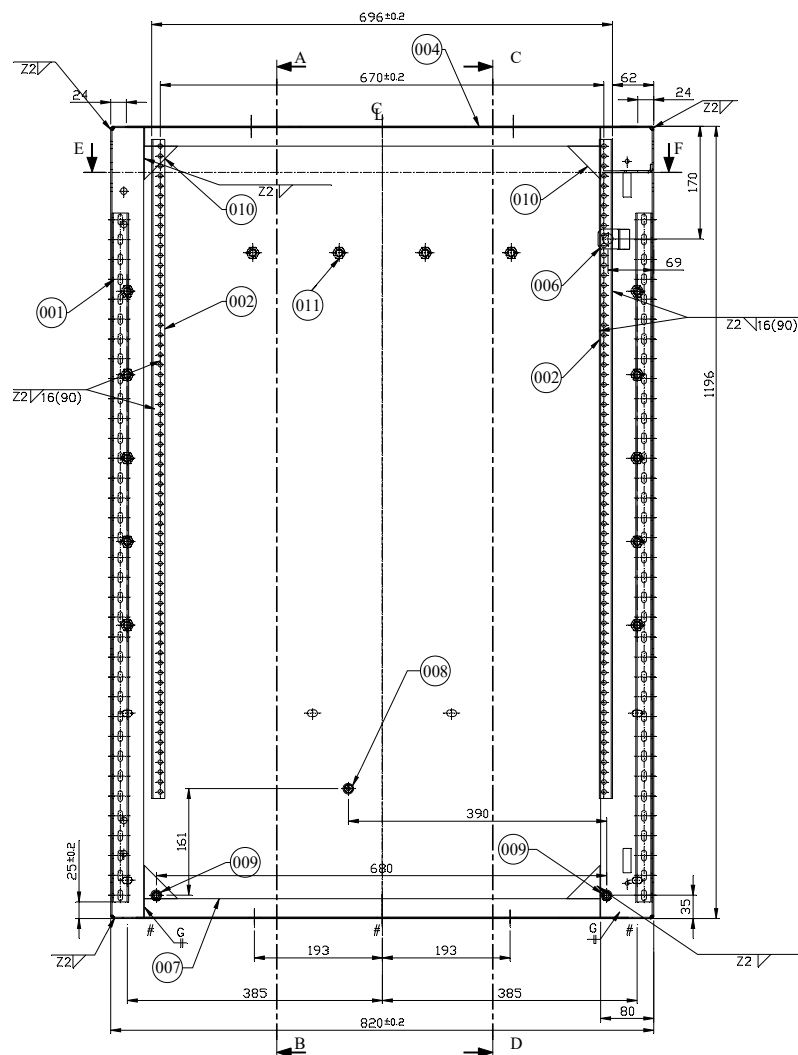
1. ENCLOSER MUST BE SQUARE AND TRUE IN ALL RESPECT.
2. ALL DIMENSIONS ARE TO BE LIMITED WITHIN TOLERANCE  $\pm 0.2$

			001	2 TK.x1250x1734 LG. H.R.C.S SHEET			AA 1011713110	KG.	34.029		
							AA 10113		001		
VAR.00	REMARKS	VAR NO	ITEM NO	DESCRIPTION	STD	DRAWING NO.	IT. NO VAR	MATL. CODE MATL. SPCN	CH UNIT	UNIT WT. QTY	QTY

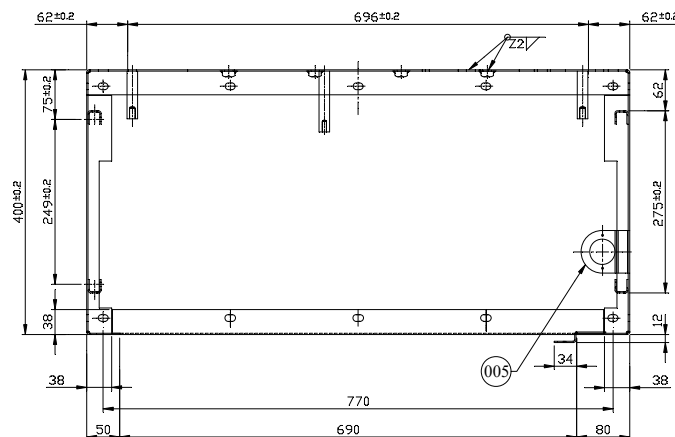
ADDITIONAL INFORMATION				TYPE OF PRODUCT OR NAME OF CUSTOMER / PROJECT				VM-12				
B												
DISTRIBUTION OF PRINTS				 BHARAT HEAVY ELECTRICALS LTD. BHOPAL				DRN.	NAME	SIGN	DATE	NO.
O/C	SWM	TCX	CKD.					RG	Sd/-	27.05.15	VAL	
1	3	1	APPD.					MAK	Sd/-	27.05.15	-	
REV	DATE	ALTERED	SKG	DEPT	UNTL. DIMS. GR.	SCALE	WEIGHT ( K.G. )	REF. TO ASSY. DRG.	ITEM NO.			
01	08.09.17	CHECKED APPROVED	AKHIL AD	SWE CODE 409		1:5	23.412					
ZONE	2 NO.s ADDITIONAL HOLE "B" Ø52 ADDED.			TITLE <u>ENCLOSURE FOR INSTRUMENT PANEL</u> <u>1196 HIGH x 820 WIDE- HIGHER ARC FAULT</u>				DRAWING NO.  1 521 62 01574		REV		
DCA-35185								SHEET NO. 01	NO. OF SHEETS 03			



SECTION A-B



SECTION C-D



## SECTION E-F

VAR-00



NOTE:-

- 1.WELDING SHALL BE CLASS A OF AA0621104.  
2.GRIND SMOOTHLY AFTER WELDING.

FINISH:-

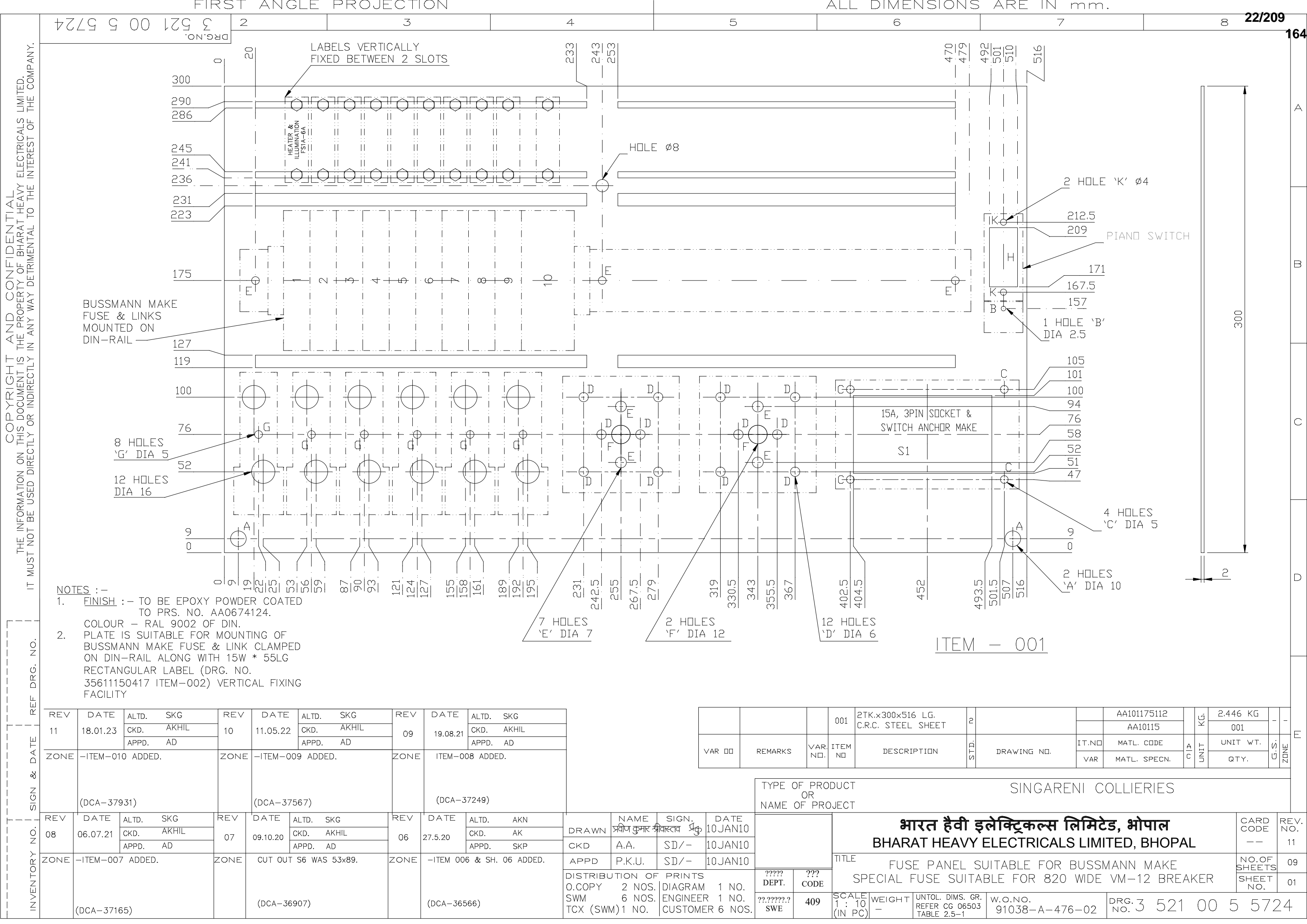
- TO BE EPOXY POWDER COATED TO PRS NO.AA0674124.  
-FOR COLOURSHADE & THICKNESS REFER MID.

014		011	WELD NUT M8	35219001562	003			0.005						
								001						
004		010	GUSSET	4521 62 01522	001			0.019						
								001						
002		009	BOSS M6X74LG.	4521 50 01576	004			0.117						
								001						
001		008	BOSS M6X94LG.	4 521 50 01576	003			0.149						
								001						
001		007	BOTTOM BRACKET	4 521 62 01529	001			0.723						
								001						
001		006	LAMP SWITCH MOUNTING BRACKET	4 521 90 02542	001			0.027						
								001						
001		005	LAMP BRACKET	3 521 62 01501	001			0.126						
								001						
001		004	TOP BRACKET	4 521 62 01528	001			0.569						
								001						
004		003	CABLE SUPPORT	3 521 62 01577	001			0.93						
								001						
002		002	CABLE SUPPORT	3 521 62 01576	001			0.89						
								001						
001		001	ENCLOSURE	1 521 62 01574	001			34.1						
								001						
VAR.00	REMARKS	VAR NO	ITEM NO	DESCRIPTION	STD	DRAWING NO.	IT.ING	MATL.CODE	CL. A	UNIT	UNIT WT.	QTY	CS	h
							VAR	MATL.SPCN						

ADDITIONAL INFORMATION				TYPE OF PRODUCT OR NAME OF CUSTOMER / PROJECT				VM-12						
STATUS OF DRAWING														
DISTRIBUTION OF PRINTS				<div>BHARAT HEAVY ELECTRICALS LTD. BHOPAL</div>				DRN. SANDEEP CKD. RG APPD. MAK		SIGN Sd/- DATE 26.05.15 Sd/- DATE 26.05.15		NEI. VAR —		
REV.	DATE:	ALTERED CHECKED APPROVED	SKG AKHIL AD	DEPT SWE CODE 409	UNTEL. DIMS. GR.		SCALE 1:5	WEIGHT ( K.G. ) 28.831	REF. TO ASSY. DRG.		ITEM NO.	NEI. ITEM 011		
ZONE	2 NOS 'B' #52 ADDITIONAL HOLE ADDED IN IT 001				TITLE WELDED ASSY. OF INSTRUMENT PANEL 1196 HIGH X 820 WIDE - HIGHER ARC FAULT				DRAWING NO. 1 521 62 01575				REV.	02
ICA NO. ~ 35186									SHEET NO. 01		NO. OF SHEETS 02			

	REV	DATE	ALTERED CHECKED APPROVED	REV	DATE	ALTERED CHECKED APPROVED	REV	DATE	ALTERED CHECKED APPROVED	REV	DATE	ALTERED CHECKED APPROVED	REV	DATE	ALTERED CHECKED APPROVED	REV	DATE	ALTERED CHECKED APPROVED	SKG
																02	12.12.18		AKHIL
	ZONE			ZONE			ZONE			ZONE			ZONE			ZONE		ITEM 011 ADDED.	AD
																		DCA NO. ~ 35721	
	1		2			3			4			5			6			7	8





REV	DATE	ALTD.	SKG	REV	DATE	ALTD.	SKG	REV	DATE	ALTD.	SKG
11	18.01.23	CKD.	AKHIL	10	11.05.22	CKD.	AKHIL	09	19.08.21	CKD.	AKHIL
		APPD.	AD			APPD.	AD			APPD.	AD
ZONE	-ITEM-010 ADDED.			ZONE	-ITEM-009 ADDED.			ZONE	ITEM-008 ADDED.		
	(DCA-37931)				(DCA-37567)				(DCA-37249)		
REV	DATE	ALTD.	SKG	REV	DATE	ALTD.	SKG	REV	DATE	ALTD.	AKN
08	06.07.21	CKD.	AKHIL	07	09.10.20	CKD.	AKHIL	06	27.5.20	CKD.	AK
		APPD.	AD			APPD.	AD			APPD.	SKP
ZONE	-ITEM-007 ADDED.			ZONE	CUT OUT S6 WAS 53x89.			ZONE	-ITEM 006 & SH. 06 ADDED.		
	(DCA-37165)				(DCA-36907)				(DCA-36566)		

VAR 00	REMARKS	VAR NO.	ITEM NO	DESCRIPTION	STD.	DRAWING NO.	IT.NO	MATL. CODE	UNIT	UNIT WT.	QTY.
			001	2TK.x300x516 LG. C.R.C. STEEL SHEET	2		AA101175112		KG.	2.446 KG	-
							AA10115			001	-
							VAR	MATL. SPECN.			
TYPE OF PRODUCT OR NAME OF PROJECT											
SINGARENI COLLIERIES											
REV	DATE	ALTD.	SKG	REV	DATE	ALTD.	SKG	REV	DATE	ALTD.	AKN
08	06.07.21	CKD.	AKHIL	07	09.10.20	CKD.	AKHIL	06	27.5.20	CKD.	AK
		APPD.	AD			APPD.	AD			APPD.	SKP
ZONE	-ITEM-007 ADDED.			ZONE	CUT OUT S6 WAS 53x89.			ZONE	-ITEM 006 & SH. 06 ADDED.		
	(DCA-37165)				(DCA-36907)				(DCA-36566)		

0. COPY

2 NOS.

DIAGRAM

1 NO.

SWM

6 NOS.

TCX (SWM)

1 NO.

NAME

प्रविण कुमार श्रीवास्तव

SIGN.

SD/-

DATE

10JAN10

DRAWN

CKD

APPD

A.A.

P.K.U.

SD/-

SD/-

10JAN10

10JAN10

DISTRIBUTION OF PRINTS

0. COPY

2 NOS.

DIAGRAM

1 NO.

ENGINEER

1 NO.

CUSTOMER

6 NOS.

DEPT.

409

CODE

409

SCALE

1 : 10

(IN PC)

WEIGHT

-

UNTOL. DIMS. GR.

REFER CG 06503

TABLE 2.5-1

W.O.NO.

91038-A-476-02

DRG.

3 521 00 5 5724

CARD CODE

---

REV. NO.

11

NO. OF SHEETS

09

SHEET NO.

01

VAR 00

REMARKS

VAR NO.

ITEM NO

DESCRIPTION

STD.

DRAWING NO.

IT.NO

MATL. CODE

UNIT

UNIT WT.

QTY.

AA101175112

AA10115

KG.

2.446 KG

001

-

-

VAR

MATL. SPECN.

TYPE OF PRODUCT OR NAME OF PROJECT

SINGARENI COLLIERIES

भारत हैवी इलेक्ट्रिकल्स लिमिटेड, भोपाल

BHARAT HEAVY ELECTRICALS LIMITED, BHOPAL

FUSE PANEL SUITABLE FOR BUSSMANN MAKE

SPECIAL FUSE SUITABLE FOR 820 WIDE VM-12 BREAKER

91038-A-476-02

DRG. NO. 3 521 00 5 5724

CARD CODE

---

REV. NO.

11

NO. OF SHEETS

09

SHEET NO.

01

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 any way detrimental to the interest of the company.

INVENTORY NO. SIGN & DATE REF DRG. NO.

REV 11  
DATE 18.01.23  
ALTD. CKD. SKG AKHIL  
APPD. AD

REV 10  
DATE 11.05.22  
ALTD. CKD. SKG AKHIL  
APPD. AD

REV 09  
DATE 19.08.21  
ALTD. CKD. SKG AKHIL  
APPD. AD

REV 08  
DATE 06.07.21  
ALTD. CKD. SKG AKHIL  
APPD. AD

ZONE -ITEM-010 ADDED.  
  
(DCA-37931)

REV 07  
DATE 09.10.20  
ALTD. CKD. SKG AKHIL  
APPD. AD

ZONE -ITEM-007 ADDED.  
  
(DCA-37165)

ZONE -ITEM-009 ADDED.  
  
(DCA-37567)

REV 06  
DATE 27.5.20  
ALTD. CKD. SKG AKN  
APPD. SKP

ZONE -ITEM 006 & SH. 06 ADDED.  
  
(DCA-36566)

ZONE ITEM-008 ADDED.  
  
(DCA-37249)

DRAWN प्रविण कुमार श्रीवास्तव  
CKD A.A.  
APPD P.K.U.

NAME  
SIGN.  
DATE

10JAN10  
10JAN10  
10JAN10

DISTRIBUTION OF PRINTS  
O.COPY 2 NOS. DIAGRAM 1 NO.  
SWM 6 NOS. ENGINEER 1 NO.  
TCX (SWM) 1 NO. CUSTOMER 6 NOS.

002  
2TK.x300x443 LG.  
C.R.C. STEEL SHEET

2  
DRAWING NO.

IT.NO  
VAR

AA101175112  
AA10115

MATL. CODE  
MATL. SPECN.

KG.  
UNIT

2.1 KG  
001

UNIT WT.  
QTY.

-  
G.

-  
ZONE

TYPE OF PRODUCT  
OR  
NAME OF PROJECT

SINGARENI COLLIERIES

भारत हैवी इलेक्ट्रिकल्स लिमिटेड, भोपाल  
BHARAT HEAVY ELECTRICALS LIMITED, BHOPAL

CARD CODE  
--

REV. NO.  
11

TITLE  
FUSE PANEL SUITABLE FOR BUSSMANN MAKE  
SPECIAL FUSE SUITABLE FOR 820 WIDE VM-12 BREAKER

NO.OF SHEETS  
SHEET NO.

09  
02

SCALE  
1 : 10  
(IN PC)

WEIGHT  
-

UNTOL. DIMS. GR.  
REFER CG 06503  
TABLE 2.5-1

W.O.NO.  
91038-A-476-02

DRG. NO.  
3 521 00 5 5724

FIRST ANGLE PROJECTION

23/209

164

0 20 300 290 286 245 241 236 231 223 175 127 119 100 76 52 9 0 19 21 21.5 23 25 25.5 27 29 31 131 142.5 155 167.5 179 219 230.5 243 255.5 267 302.5 304.5 352 393.5 401.5 434 443

LABELS VERTICALLY  
FIXED BETWEEN 2 SLOTS

HEATER &  
ILLUMINATION  
FSIA-6A

HOLE Ø8

2 HOLE 'K' Ø4

PIANO SWITCH

1 HOLE 'B'  
DIA 2.5

15A, 3PIN SOCKET &  
SWITCH ANCHOR MAKE  
S1

4 HOLES  
'C' DIA 5

2 HOLES  
'A' DIA 10

5 HOLES  
'G' DIA 5

6 HOLES  
DIA 16

7 HOLES  
'E' DIA 7

2 HOLES  
'F' DIA 12

12 HOLES  
'D' DIA 6

BUSSMANN MAKE  
FUSE & LINKS  
MOUNTED ON  
DIN-RAIL

ITEM-002

300 290 286 245 241 236 231 223 175 127 119 100 76 52 9 0 19 21 21.5 23 25 25.5 27 29 31 131 142.5 155 167.5 179 219 230.5 243 255.5 267 302.5 304.5 352 393.5 401.5 434 443

211.5 221.5 231.5 397 417 426 435 443

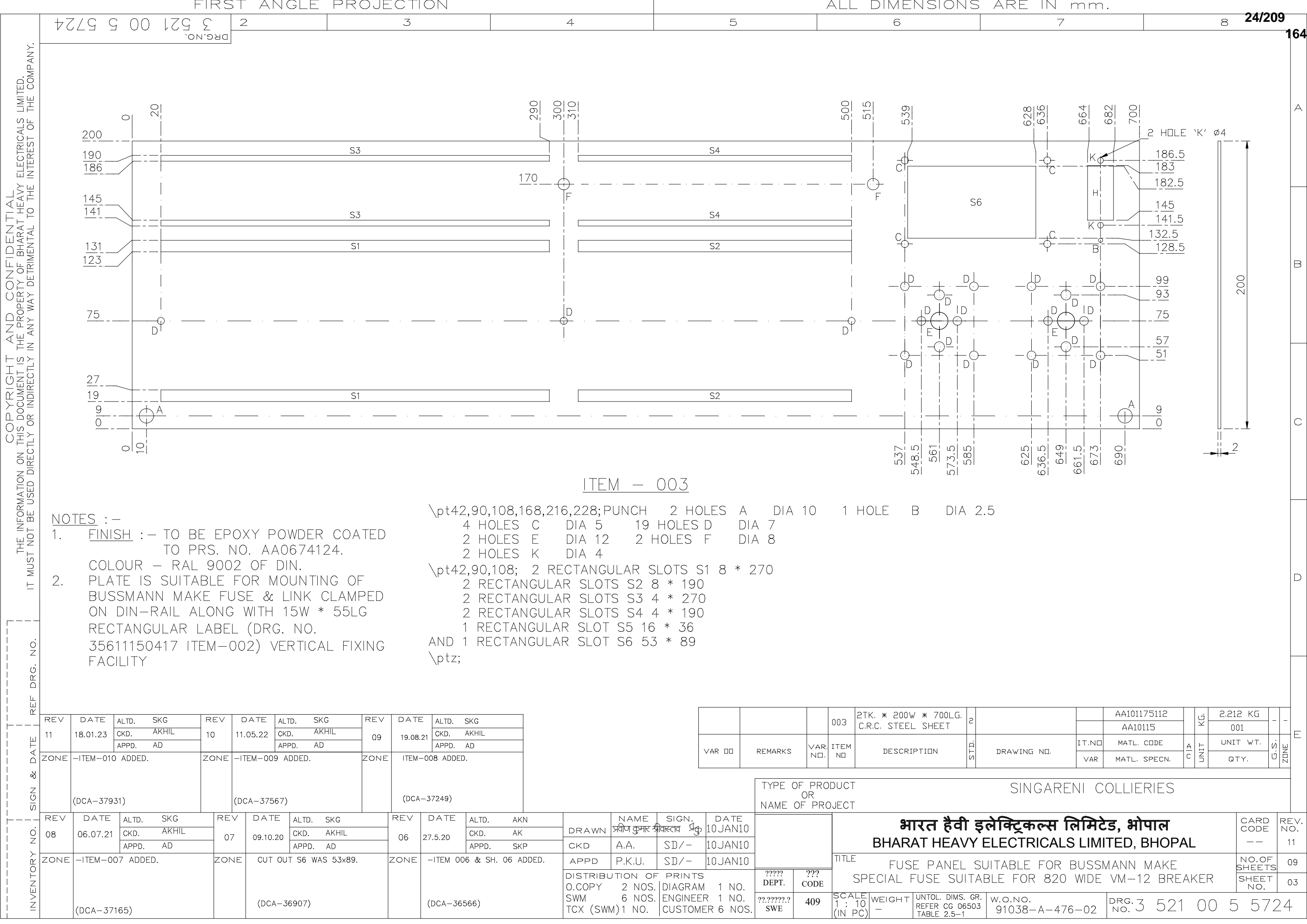
212.5 209 171 167.5 157

105 101 100 94 76 58 52 51 47

300

2

NOTES :-  
1. FINISH :- TO BE EPOXY POWDER COATED  
TO PRS. NO. AA0674124.  
COLOUR - RAL 9002 OF DIN.  
2. PLATE IS SUITABLE FOR MOUNTING OF  
BUSSMANN MAKE FUSE & LINK CLAMPED  
ON DIN-RAIL ALONG WITH 15W \* 55LG  
RECTANGULAR LABEL (DRG. NO.  
35611150417 ITEM-002) VERTICAL FIXING  
FACILITY





NOTES :-

1. FINISH :— TO BE EPOXY POWDER COATED  
TO PRS. NO. AA0674124.  
COLOUR — RAL 9002 OF DIN.

```

      1  RECTANGULAR SLOT S1 16 * 36
AND    1  RECTANGULAR SLOT S2 53 * 89

```

	GES NO. 409 55 0400 SL. NO. 0708		004	2 TK * 243 W * 700 LG. C.R.C. STEEL SHEET	2		AA 101 17 15 122		KG.	2.688 KG.	-	-
							AA10115			001		
VAR 00	REMARKS	VAR NO.	ITEM NO	DESCRIPTION	STD.	DRAWING NO.	IT.NO	MATL. CODE	C A	UNIT	UNIT WT.	G.S.
							VAR	MATL. SPECN.			QTY.	ZONE

TYPE OF PRODUCT OR NAME OF PROJECT	SINGARENI COLLIERIES
--	----------------------

		<b>भारत हैवी इलेक्ट्रिकल्स लिमिटेड, भोपाल</b> <b>BHARAT HEAVY ELECTRICALS LIMITED, BHOPAL</b>				CARD CODE	RE NO.
		TITLE				NO.OF SHEETS	
DEPT.	CODE	FUSE PANEL SUITABLE FOR BUSSMANN MAKE SPECIAL FUSE SUITABLE FOR 820 WIDE VM-12 BREAKER				SHEET NO.	
???	???	SCALE	WEIGHT	UNTOL. DIMS. GR.	W.O.NO.	DRG. NO.	
???	409	1 : 10 (IN PC)	—	REFER CG 06503 TABLE 2.5-1	91038-A-476-02	3 521 00 5 5724	



```

\pt42,90,168,216,228;PUNCH      8 HOLES  A  ø7
\pt42,90,108,168,216,228;      4 HOLES  B  ø4
ED      12 HOLES C  ø6
\pt90,108,168,216,228;          2 HOLES D  ø15
      3 SLOT      E  ø5
\pt42,90,108,168,216,228;
ED\pt42,216;      2 RECTANGULAR SLOTS S1  4 * 310
      2 RECTANGULAR SLOTS S2  8 * 425
\pt42,90,108,168,216,228;      1 SLOT S3—7X16
\pt216,228;          1 RECTANGULAR SLOTS S4 53 * 89

```

			005	2TK. * 205W * 565LG. C.R.C. STEEL SHEET	2			AA101175112		KG.	1.81 KG	-	-
								AA10115			001		
VAR 00	REMARKS	VAR. NO.	ITEM NO	DESCRIPTION	STD.	DRAWING NO.	IT.NO	MATL. CODE	A	UNIT	UNIT WT.	G.S.	ZONE
							VAR	MATL. SPECN.	C		QTY.		

TYPE OF PRODUCT OR NAME OF PROJECT				SINGARENI COLLIERIES									
10JAN10				<b>भारत हैवी इलेक्ट्रिकल्स लिमिटेड, भोपाल</b> <b>BHARAT HEAVY ELECTRICALS LIMITED, BHOPAL</b>								CARD CODE	RF
10JAN10												--	
10JAN10				TITLE FUSE PANEL SUITABLE FOR BUSSMANN MAKE SPECIAL FUSE SUITABLE FOR 820 WIDE VM-12 BREAKER								NO.OF SHEETS	
TS AM 1 NO. EER 1 NO. MMR 6 NOS.	DEPT. SWE	??? CODE 409	SCALE 1 : 10 (IN PC)	WEIGHT -	UNTOL. DIMS. GR. REFER CG 06503 TABLE 2.5-1	W.O.NO. 91038-A-476-02	DRG. NO. 3 521 00 5 5724						

COPYRIGHT AND CONFIDENTIAL

INVENTORY NO.



\pt42,216;        2 RECTANGULAR SLOTS S1 4 \* 375  
                   2 RECTANGULAR SLOTS S2 8 \* 405  
 \pt42,90,108,168,216,228;        1 SLOT S3-7X16  
 \pt216,228;        1 RECTANGULAR SLOTS S4 53 \* 89

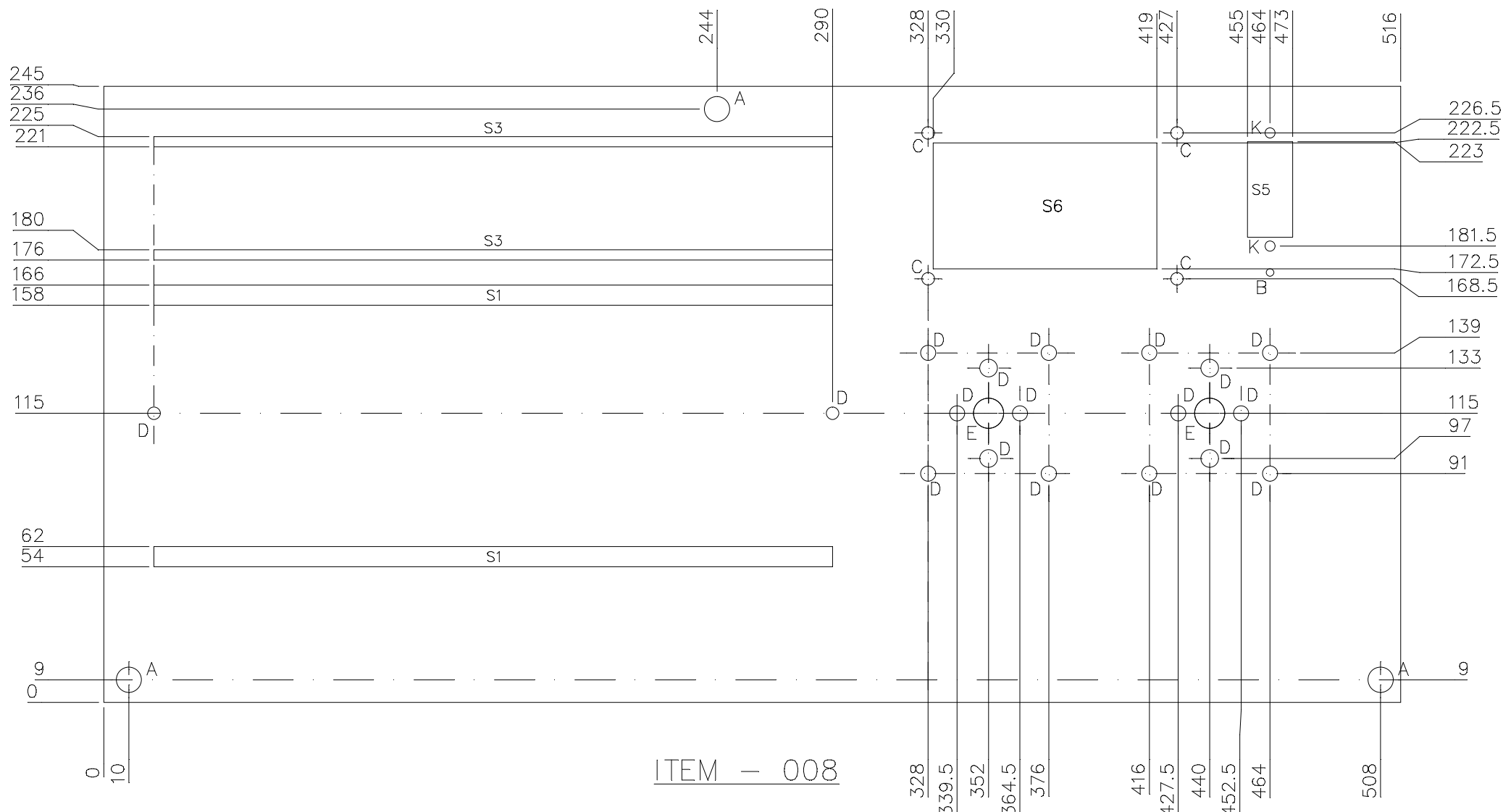
			06	2TK. * 205W * 565LG. C.R.C. STEEL SHEET	2		AA101175112		KG.	1.81 KG	-		
							AA10115			001			
VAR. 00	REMARKS	VAR. NO.	ITEM NO	DESCRIPTION	STD.	DRAWING NO.	IT.NO	MATL. CODE	A/C	UNIT	UNIT WT.	QTY.	UNIT
							VAR	MATL. SPECN.					

REV	DATE	ALTD.	SKG	REV	DATE	ALTD.	SKG	REV	DATE	ALTD.	AKN	DRAWN	NAME	SIGN.	DATE	भारत हैवी इलेक्ट्रिकल्स लिमिटेड, भोपाल BHARAT HEAVY ELECTRICALS LIMITED, BHOPAL										CARD CODE	REV	
08	06.07.21	CKD.	AKHIL	07	09.10.20	CKD.	AKHIL	06	27.5.20	CKD.	AK	DRAWN	प्रवीण कुमार श्रीवास्तव	प्रवीण	10JAN10											---		
		APPD.	AD			APPD.	AD			APPD.	SKP	CKD	A.A.	SD/-	10JAN10													
ZONE	-ITEM-007 ADDED.			ZONE	CUT OUT S6 WAS 53x89.			ZONE	-ITEM 006 & SH. 06 ADDED.			APPD	P.K.U.	SD/-	10JAN10	TITLE										NO.OF SHEETS		
												DISTRIBUTION OF PRINTS				DEPT.	CODE	FUSE PANEL SUITABLE FOR BUSSMANN MAKE										
												O.COPY 2 NOS.						SPECIAL FUSE SUITABLE FOR 820 WIDE VM-12 BREAKER										
												SWM 6 NOS.																
												TCX (SWM) 1 NO.																
	(DCA-37165)				(DCA-36907)				(DCA-36566)							409		SCALE 1 : 10 (IN PC)	WEIGHT -	UNTOL. DIMS. GR. REFER CG 06503 TABLE 2.5-1	W.O.NO. 91038-A-476-02	DRG. NO. 3 521 00 5 572						

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 ANY WAY DETRIMENTAL TO THE INTEREST OF THE COMPANY.

SIGN & DATE | REF DRG. NO.

INVENTORY NO.



NOTES :-

1. FINISH :— TO BE EPOXY POWDER COATED TO PRS. NO. AA0674124.  
COLOUR — RAL 9002 OF DIN.
2. PLATE IS SUITABLE FOR MOUNTING OF BUSSMANN MAKE FUSE & LINK CLAMPED ON DIN—RAIL ALONG WITH 15W \* 55LG RECTANGULAR LABEL (DRG. NO. 35611150417 ITEM—002) VERTICAL FIXING FACILITY

```

\pt42,90,108,168,216,228;PUNCH 3 HOLES A DIA 10 1 HOLE B DIA 2.5
4 HOLES C DIA 5 18 HOLES D DIA 7
2 HOLES E DIA 12
2 HOLES K DIA 4
\pt42,90,108; 2 RECTANGULAR SLOTS S1 8 * 270
2 RECTANGULAR SLOTS S3 4 * 270
1 RECTANGULAR SLOT S5 16 * 36
AND 1 RECTANGULAR SLOT S6 53 * 89
\ptz;

```

REV	DATE	ALTD.	SKG	REV	DATE	ALTD.	SKG	REV	DATE	ALTD.	SKG
11	18.01.23	CKD.	AKHIL	10	11.05.22	CKD.	AKHIL	09	19.08.21	CKD.	AKHIL
		APPD.	AD			APPD.	AD			APPD.	AD
ZONE	-ITEM-010 ADDED.			ZONE	-ITEM-009 ADDED.			ZONE	ITEM-008 ADDED.		
	(DCA-37931)				(DCA-37567)				(DCA-37249)		

REV	DATE	ALTD.	SKG	REV	DATE	ALTD.	SKG	REV	DATE	ALTD.	SKG
08	06.07.21	CKD.	AKHIL	07	09.10.20	CKD.	AKHIL	06	27.5.20	CKD.	AKHIL
		APPD.	AD			APPD.	AD			APPD.	AD
ZONE	-ITEM-007 ADDED.			ZONE	CUT OUT S6 WAS 53x89.			ZONE	-ITEM 006 & SH. 06		
	(DCA-37165)				(DCA-36907)				(DCA-36566)		

			008	2TK. * 245W * 516LG. C.R.C. STEEL SHEET	2		AA101175112		KG.	1.997 KG.		
							AA10115			001		
VAR 00	REMARKS	VAR. NO.	ITEM NO	DESCRIPTION	ITEM NO	DRAWING NO.	IT.NO	MATL. CODE	UNIT	UNIT WT.	G.S.	ZONE
							VAR	MATL. SPECN.		QTY.		

TYPE OF PRODUCT OR NAME OF PROJECT	SINGARENI COLLIERIES
--	----------------------

DRAWN	NAME प्रवीण कुमार श्रीवास्तव	SIGN. प्रवीण	DATE 10 JAN 10			भारत हैवी इलेक्ट्रिकल्स लिमिटेड, भोपाल BHARAT HEAVY ELECTRICALS LIMITED, BHOPAL					CARD CODE	RE NO.
CKD	A.A.	SD/-	10 JAN 10			TITLE FUSE PANEL SUITABLE FOR BUSSMANN MAKE SPECIAL FUSE SUITABLE FOR 820 WIDE VM-12 BREAKER					—	1
APPD	P.K.U.	SD/-	10 JAN 10								NO.OF SHEETS	0
DISTRIBUTION OF PRINTS				???? DEPT.	??? CODE						SHEET NO.	0
0.COPY 2 NOS. DIAGRAM 1 NO.				??,????,?	409	SCALE 1 : 10 (IN PC)	WEIGHT —	UNTOL. DIMS. GR. REFER CG 06503 TABLE 2.5-1	W.O.NO. 91038-A-476-02	DRG. 3 521 00 5 5724 NO.		
SWM 6 NOS. ENGINEER 1 NO.												
TCX (SWM) 1 NO. CUSTOMER 6 NOS.												

INVENTORY NO.	SIGN. & DATE	REF. DRG. NO.
---------------	--------------	---------------



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 INTREST OF THE COMPANY.

35215001820-R04-S01  
REF.DRG.NO.

SIGN.& DATE

INVENTORY NO.

DRG NO  
35215001820

001

2-HOLESØ3.1

2 HOLES Ø9

002

2 HOLES Ø9

003

FINISH:-  
1. NICKLE-CHROMIUM PLATING (0.015TK. MIN.)  
AS PER AA0673612 FOR ITEM-001 AND 002.

AREA OF PLATING:-  
FOR ITEM-001=928.773 sq.cm  
FOR ITEM-002=25.871 sq.cm

			003	2TK.x16x106LG. HRCS SHEET (PICKLED)				BP1011798018			0.028	
								BP10198			001	
			002	2TK.x16x74LG. HRCS SHEET (PICKLED)				BP1011798018			0.019	
								BP10198			001	
			001	2TK.x50x900LG. HRCS SHEET (PICKLED)				BP1011798018			0.701	
								BP10198			001	
VAR 00	REMARKS	VAR NO.	ITEM NO.	DESCRIPTION	UNIT	DRAWING NO.	IT.NO.	MATERIAL CODE	A	UNIT	UNIT WT.	
							VAR	MATL. SPCN.	C		QTY	

ADDITIONAL INFORMATION

STATUS OF DRAWING B

DISTRIBUTION OF PRINTS  
O.C - 1 TCX - 1  
SWM - 3

TYPE OF PRODUCT OR  
NAME OF CUST/PROJ

VM-12 (BT)

DRN

CKD

APPD

NAME

SIGN

DATE

NO. OF  
VAR

-

26.04.01

DRN

CKD

APPD

NAME

SIGN

DATE

NO. OF  
VAR

-

26.04.01

DRN

CKD

APPD

NAME

SIGN

DATE

NO. OF  
VAR

-

26.04.01

DEPT  
SWE

UN. TOL.DIM.GR.

SCALE

WEIGHT  
(KG.)

REF TO ASSY

ITEM  
MO.

NO.OF  
ITEMS

CODE  
409

M  
AA0230208

1:2.5

-

-

-

003

TITLE

PACKER

DRG NO  
35215001820

REV.  
04

SHT.NO.

01

NO.OF SHT.

01

REV.  
04

DATE  
21.07.12

DRN  
CKD  
APPD

AKN  
AKHIL  
MAK

REV.  
03

DATE  
29.07.02

DRN  
CKD  
APPD

NOTE FOR ALTERNATIVE MATL.  
DELETED.MATL WAS HRP SHT  
TO BP1011798018 & BP10198.  
4 SLOTS 15X10.5 WERE  
HOLES ø10.5

FINISH NOTE 02 ADDED.

ITEM 003 ADDED.

(DCA NO.-31198)

(DCA NO.-11782)

(DCA NO.-11513)

INVENTORY NO.

REV 04

DATE 10.10.11

DRN CKD APPD

ABHISHEK AKHIL HRP

REV 03

DATE 9.09.06

DRN CKD APPD

S.U.S. S.S.A. M.A.K.

WEIGHT UPDATED.

<DCA NO. 30654>

VAR. 00 CORRECTED & DRG. REDRAWN. ITEM 009 DELETED.

<DCA NO. 26104>

ITEM NO. NUMBERING CORRECTED.


<DCA NO. 25147>

DEPT SWE

CODE 409

UN. TOL.DIM.GR. M

AA0230208



SCALE 1:1

WEIGHT (KG.)

REF TO ASSY REF. TABLE

ITEM MO.

NO.OF ITEMS 010

TITLE ASSEMBLY OF HINGE

DRG NO 35215001821

SHT.NO. 01

NO.OF SHT. 01

REV. 04

REF.DRG.NO.

SIGN.& DATE

REFERENCE TABLE				
VAR NO.	REF. TO ASSY.		GES.NOS.	REMARK
	DRG. NO.	IT. NO./VAR. NO.		
00	35215001660 15215001550	057	409510058	

50

78

39

16

005

006

007

001

004

003

008

002

001

003

35215001821

DRG NO

VAR 01	VAR 00	REMARKS	VAR NO.	ITEM NO.	DESCRIPTION	U/S	DRAWING NO.	IT.NO.	MATERIAL CODE	A	UNIT	UNIT WT.
								VAR	MATL. SPCN.	C		QTY
001	-			010	BUSH		35215001823	003			KG.	0.032
								002			KG.	0.064
001	-			009	HINGE		35215001823				KG.	0.001
-	001			008	CIRCLIP FOR SHAFT E6				AA7167006041		KG.	0.001
-	002			007	WASHER SPRING SC B8-ST				AA7164002053		KG.	0.002
-	002			006	WASHER MC D8.4-ST				AA7161001056		KG.	0.002
-	002			005	NUT HRX A M8-8				AA7151115024		KG.	0.005
-	001			004	PACKER		35215001820	002			KG.	0.019
-	001			003	SWING STOPPER		35215001823	004			KG.	0.006
-	001			002	PIN		35215001823	005			KG.	0.072
-	002			001	FRAME HINGE		35215001823	001			KG.	0.090

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 INTREST OF THE COMPANY.

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821

DRG NO

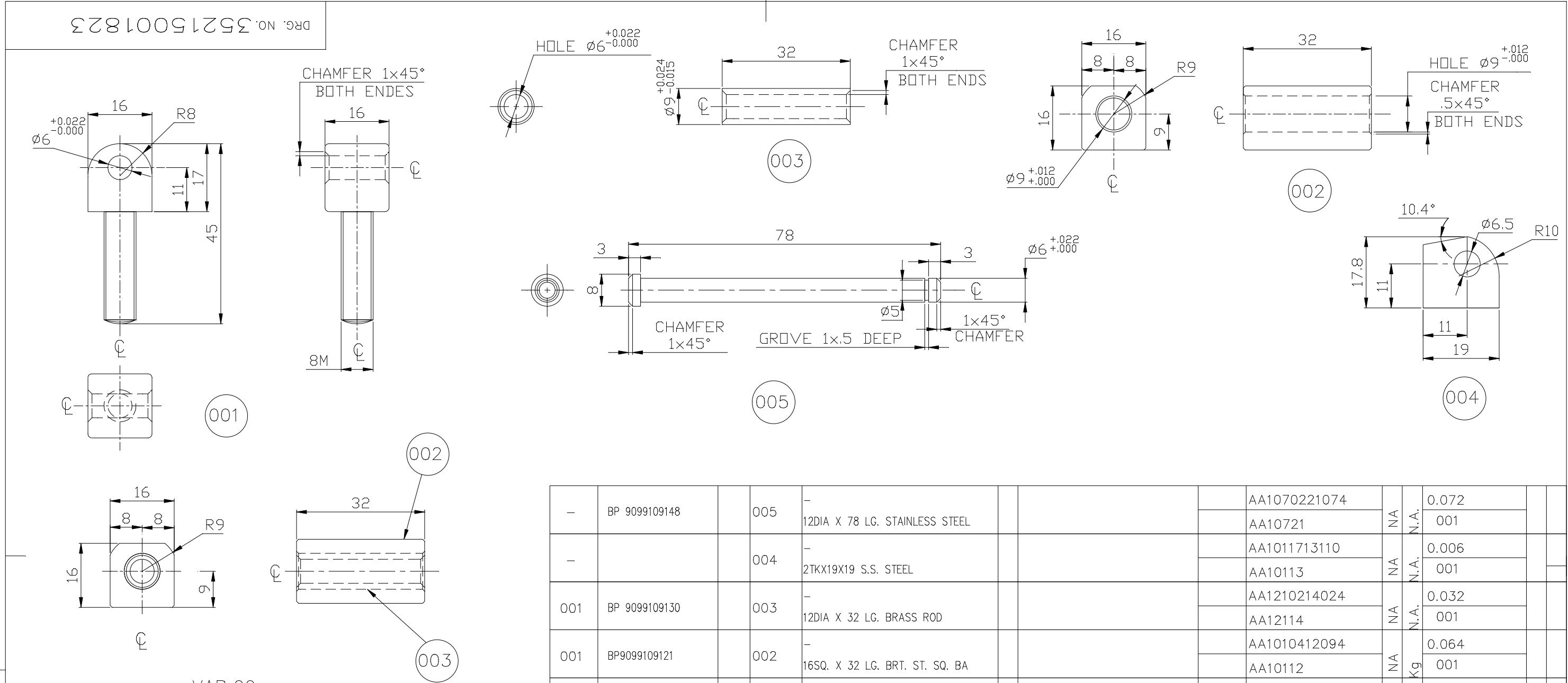
35215001821-R03-S01

35215001821

DRG NO

35215001821-R03-S01

35215001821



VAR.00

WEIGHT:-  
VAR.00 - 0.0927 kg

UNSPECIFIED TOLERANCES SHALL BE:-  
FOR MACHINING MEDIUM AA0230208.

FINISH FOR IT, 001 & 004:-  
ZINC PLATED & PASSIVATED TO AA 0673603 & AA 0673604  
(0.013 TK. MIN.) & OTHER ITEMS NATURAL WITH BUFFING.

NOTE:-  
ITEM 001 & 004 CAN BE MANUFACTURED BY BRT. ST. BAR.

28 → CARD TYPE-3			28 → CARD TYPE-1			28 → CARD TYPE-2		
ADDITIONAL INFORMATION			STATUS OF DRAWING			DISTRIBUTION OF PRINTS		
O.COPY-----1 SWM-----3 TCX-----1			O.COPY-----1 SWM-----3 TCX-----1			O.COPY-----1 SWM-----3 TCX-----1		
REV. DATE ALTERED			REV. DATE ALTERED			REV. DATE ALTERED		
07 20.12.10 P.PARE			05 07.05.03 Sd/-			06 15.09.05 Sd/-		
CHECKED AKHIL			CHECKED Sd/-			CHECKED Sd/-		
APPROVED MAK			APPROVED Sd/-			APPROVED Sd/-		
WEIGHT UPDATED.			BP CODE NO. FOR ITEMS-001 002,003 & 005 ADDED.			DRAWING REDRAWN		
(DCA NO. 30071)			(DCA NO. 12295)			(DCA NO. 23958)		
foHAKx DEPT SWE			vu Vky_ uki dh Js.kh UNTOL.DIMS. GR.			vugikr SCALE		
dkSM CODE 409			SEE NOTE			HAKj fd_xk- WEIGHT (K.G.)		
'kh"AZ			DETAILS OF DOOR HINGE			vis_ M&kbZax dk lanHAZ REF. TO ASSY. DRG.		
vkjs[A d-DRAWING NO.			35215001823			en d-__ ITEM NO.		
i="B d-__ No. 01			i="Bkso dh la[;k. NO. OF SHT. 01			en_ la[;k NO. OF ITEM		
005			007			000		

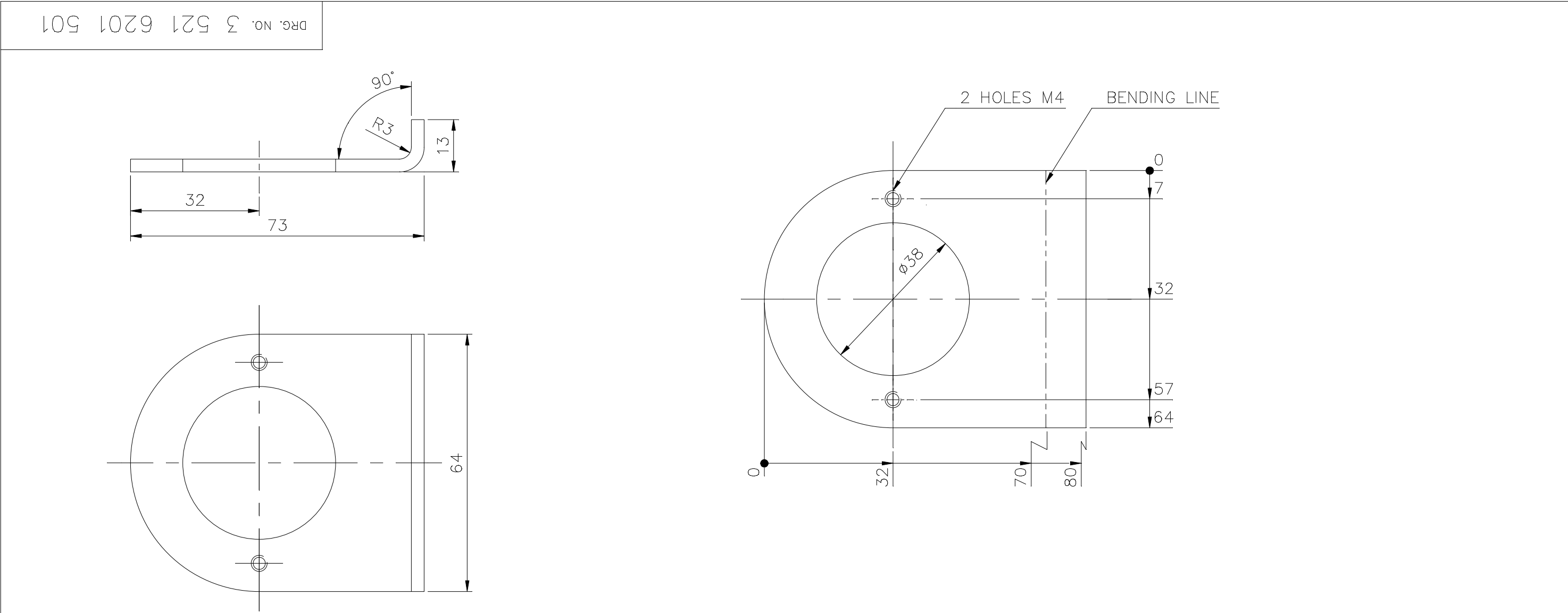
52190/35216201501-R02-S01

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

FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm)

164



				001		3.15TK X 64 X 80LG HRCS STEET						AA1011713136				0.126																							
59		64		65		75		78 79		25 27		29		58		59		60		77		29		31		34		45		55		56		58		65		72	
VAR00				REMARKS				VAR. NO.		ITEM NO.		DESCRIPTION		STD		DRAWING NO.						IT.NO.		MATL. CODE		54		55		56		58		UNIT WT.		ZONE			
32		33		46		54																32		MATL. SPCN.		54		55		56		58		68		71			
VAR.																						VAR.		MATL. SPCN.		54		55		56		58		QTY.		GS			
28		CARD TYPE-3						28		CARD TYPE-1				28		CARD TYPE-2																							
ADDITIONAL INFORMATION																																							
STATUS OF DRAWING																																							
DISTRIBUTION OF PRINTS																																							
O.COPY - 1																																							
SWM - 3																																							
TCX - 1																																							
SWE																																							
HAKjr gsoh bysfDV&dYl fyfeVsm																																							
HAKsiky																																							
BHARAT HEAVY ELECTRICALS LTD.																																							
BHOPAL																																							
foHAKs																																							
DEPT																																							
vu_ Vky_ uki dh Js.kh																																							
UNTOL.DIMS. GR.																																							
M																																							
AA0230208																																							
409																																							
dkSM																																							
CODE																																							
'kh"AZ																																							
AZ																																							
AZ																																							
AZ																																							
AZ																																							
AZ																																							
AZ																																							
AZ																																							
AZ																																							
AZ																																							
AZ																																							
AZ																																							
AZ																																							
AZ																																							
AZ																																							
AZ																																							
AZ																																							
AZ																																							
AZ																																							
AZ																																							
AZ																																							
AZ																																							
AZ																																							
AZ																																							
AZ																																							
AZ																																							
AZ																																							
AZ																																							
AZ																																							
AZ																																							
AZ																																							
AZ																																							
AZ																																							
AZ																																							
AZ																																							
AZ																																							
AZ																																							
AZ																																							
AZ																																							
AZ																																							
AZ																																							
AZ																																							
AZ																																							
AZ																																							
AZ																																							
AZ																																							
AZ																																							
AZ																																							
AZ																																							
AZ																																							
AZ																																							
AZ																																							
AZ																																							
AZ																																							
AZ																																							
AZ																																							
AZ																																							
AZ																																							
AZ																																							
AZ																																							
AZ																																							
AZ																																							
AZ																																							

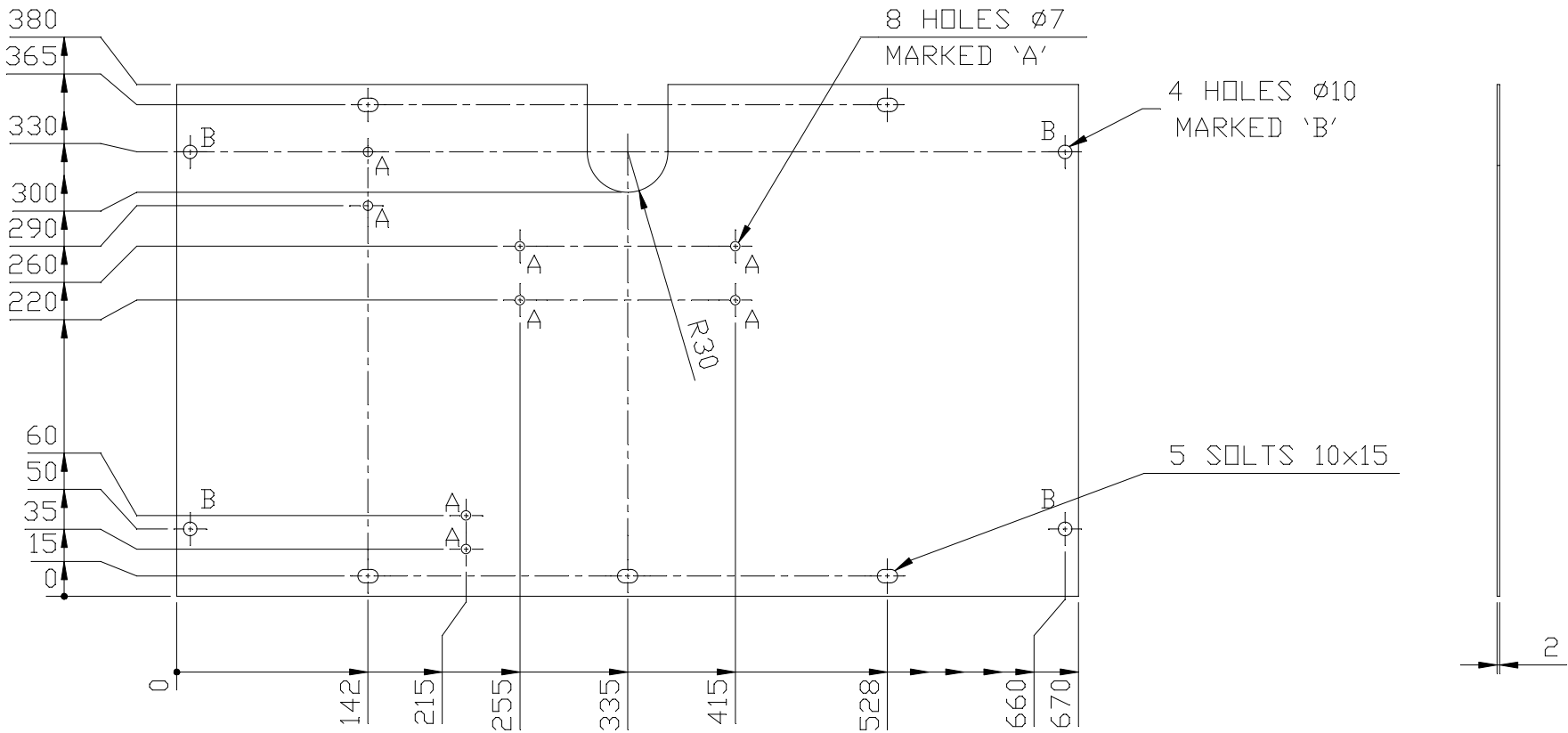
THE INFORMATION ON THIS DOCUMENT IS THE PROPERTY OF BHARAT HEAVY ELECTRICALS LIMITED  
IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO THE INTEREST OF THE COMPANY

FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm)

164

DRG. NO. 35216201523



NOTE :- ALL DIMENSIONS ARE TO BE LIMITED  
WITHIN TOLERANCE  $\pm 0.2$ .

FINISH :-

TO BE EPOXY POWDER COATED TO SPEC NO. AA0674124  
FOR COLOUR SHADE & THICKNESS REFER MID.

			001	2 x 380 x 670 LG. C.R.C. STEEL SHEET	2			AA1011715112		KG.	3.997	-	
								AA10115			001		
VAR NO	REMARKS	VAR. NO.	ITEM NO	DESCRIPTION	STD.	DRAWING NO.	IT.NO	MATL. CODE	C/A	UNIT	UNIT WT.	G.S.	ZONE
							VAR	MATL. SPECN.			QTY.		

ADDITIONAL INFORMATION

mRikn dk i-dkj ;k  
xk-gd@ifj;kstuk dk uke  
TYPE OF PRODUCT OR  
NAME OF CUSTOMER/PROJECT

VM12

STATUS OF DRAWING  
B

DISTRIBUTION OF PRINTS

□/C -1 TCX-1  
SWM -3



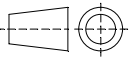
HAKjr gsoh bysfDV&dYl fyfeVsm  
HAKsiky  
BHARAT HEAVY ELECTRICALS LTD.  
BHOPAL

uke@NAME	gLrk@SIGN	fnaukd@DATE	osfj_ dh la[]; k NO. OF VAR
R. RAJORE		30.09.02	
S. KUMAR			
INDRAPAL			

REV.	DATE	ALTERED	VD
04	17.10.14	CHECKED RG	
		APPROVED MAK	

foHAKx  
DEPT SWE  
dksM  
CODE 409

vu\_ Vky\_ uki dh Js.kh  
UNTOL.DIMS. GR.



vugikr  
SCALE  
1:5

HAKj fd\_xk-  
WEIGHT (K.G.)  
3.997

vis\_ M&kbZax dk lanHAZ  
REF. TO ASSY. DRG.

35216201529

en d-\_  
ITEM NO.  
003

en\_ la[];k  
NO. OF  
ITEM  
001

CIRCLE FOR  $\phi 40$  REMOVED

(DCA-32761)

BOTTOM COVER  
INSTRUMENT PANEL  
FOR 1196 HIGH x 820 WIDE

vkjs[A d-  
DRAWING NO.

35216201523

iqu\_@REV  
04

i="B d-  
No. 01

i="Bksa dh la[];k  
No. OF SHT. 01

A3

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 INTREST OF THE COMPANY.

52162\35216201528-R04-S02  
REF.DRG.NO.

SIGN.& DATE

INVENTORY NO.

82910 79 179 3 DRG NO 3 521 62 01528

NOTE :-

ALL DIMENTIONS TO BE LIMITED  
WITHIN TOLERANCE ±0.2

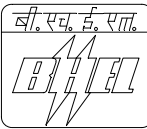
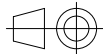
FINISH :-

: TO BE EPOXY POWDER COATED TO  
PRS NO. AA 0674124.

: FOR COLOURSHADE AND THICKNESS  
REFER MID.

FOR DETAILS OF ITEMS REFER SHEET 01&03.

	HORIZONTAL DOOR		007	3.15TK.x38x625 LG. H.R.C. STEEL SHEET				AA1011713136	KG.	-	
								AA10113		001	
	HORIZONTAL DOOR		006	3.15TK.x20x340 LG. H.R.C. STEEL SHEET				AA1011713136	KG.	-	
								AA10113		001	
	VERTICAL SIDE		005	3.15TK.x20x800 LG. H.R.C. STEEL SHEET				AA1011713136	KG.	0.395	
								AA10113		001	
	HORIZONTAL DOOR		004	3.15TK.x20x626 LG. H.R.C. STEEL SHEET				AA1011713136	KG.	0.309	
								AA10113		001	
	HORIZONTAL SIDE		003	3.15TK.x20x269 LG. H.R.C. STEEL SHEET				AA1011713136	KG.	0.133	
								AA10113		001	
	HORIZONTAL FRONT		002	3.15TK.x20x690 LG. H.R.C. STEEL SHEET				AA1011713136	KG.	0.341	
								AA10113		001	
	VERTICAL FRONT		001	3.15TK.x20x890 LG. H.R.C. STEEL SHEET				AA1011713136	KG.	0.440	
								AA10113		001	
VAR 00	REMARKS	VAR NO.	ITEM NO.	DESCRIPTION	STD	DRAWING NO.	IT.NO.	MATERIAL CODE	A	UNIT	UNIT WT.
								MATL. SPCN.			QTY

REV 07		DATE 22.08.15	DRN SKG		ADDITIONAL INFORMATION				TYPE OF PRODUCT OR NAME OF CUST/PROJ <div>VM12</div>																				
			CKD RG																										
			APPD MAK		STATUS OF DRAWING B																								
		-3 SLOTS MODIFIED TO 3 HOLES Ø13 FOR IT-7		DISTRIBUTION OF PRINTS				<div><div><div>बी.एस.ई.एल.</div><div></div><div>BHARAT HEAVY ELECTRICALS LIMITED BHOPAL</div></div><div><div>DRN</div><div>CKD</div><div>APPD</div></div><div><div>NAME</div><div>R. RAJORE</div><div>S. KUMAR</div><div>INDRAPAL</div></div><div><div>SIGN</div><div></div><div></div><div></div></div><div><div>DATE</div><div>07.11.02</div><div></div><div></div></div><div><div>NO. OF VAR</div><div></div><div></div><div>—</div></div></div>																					
																		SWE		SWM		TCX							
						1												3		1									
REV 05		DATE 13.01.12	DRN AKN		REV 04	DATE 13.06.03	DRN R.RAJORE		DEPT SWE		UN. TOL.DIM.GR.				SCALE NTS		WEIGHT (KG.) —		REF TO ASSY 001 TO 005 - 3 521 62 01529				ITEM MO. 011 TO 015 RES.		NO.OF ITEMS 007				
			CKD AKHIL				CKD S.KUMAR																						
			APPD MAK				APPD INDRAPAL																				CODE 409		TITLE
		ITEM 006 ADDED.				IN ITEM 001 59 HOLES Ø7 WERE 57 HOLES Ø7														DRG NO 3 521 62 01528				REV. 07					
		⟨DCA. NO. 30838⟩				⟨DCA NO. 12428⟩														SHT.NO. 02				NO.OF SHT. 03					

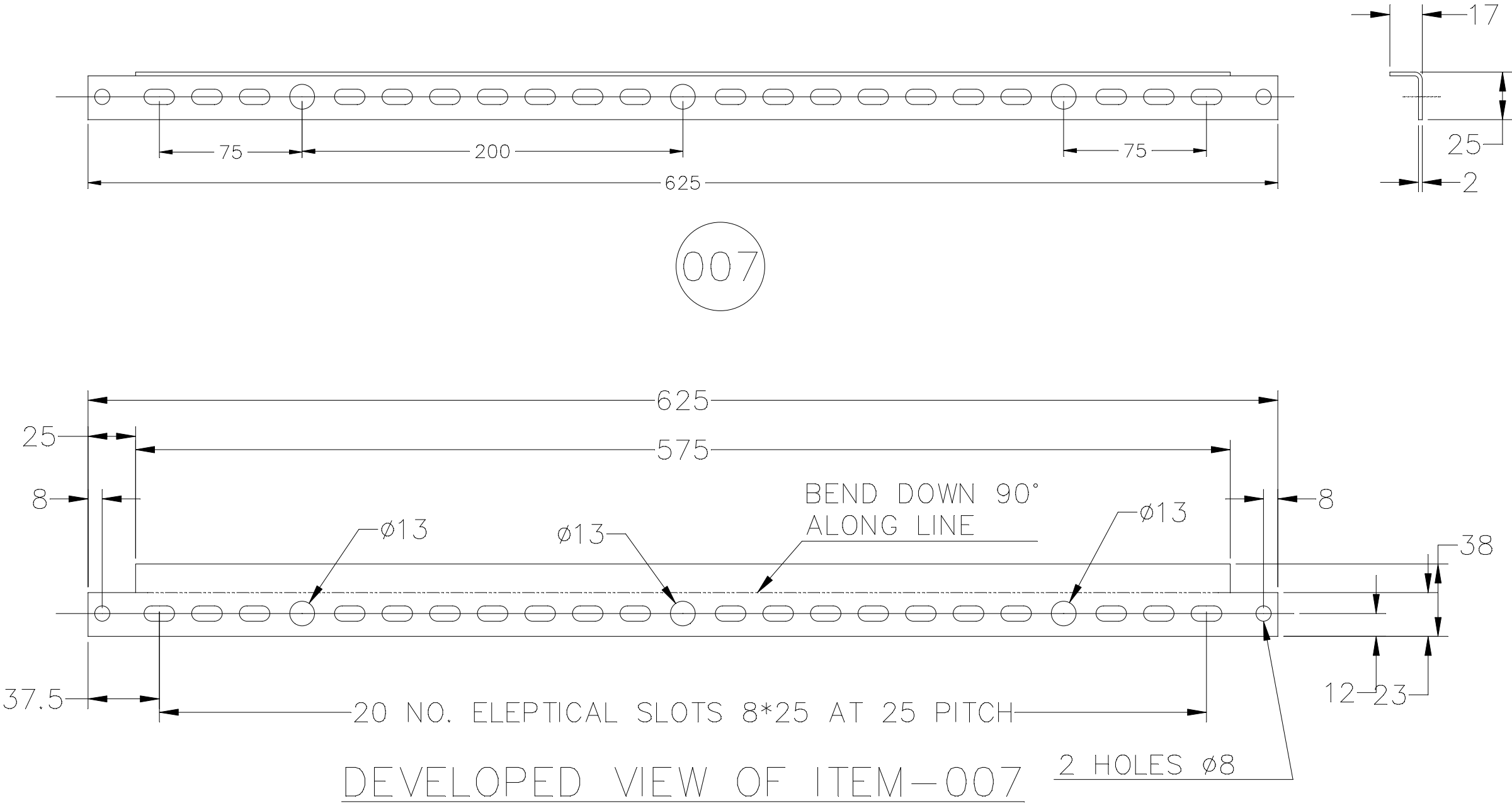
THE INFORMATION ON THIS DOCUMENT IS THE PROPERTY OF BHARAT HEAVY ELECTRICALS LIMITED.  
IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO THE INTEREST OF THE COMPANY.

52162\35216201528-R06-S03  
REF.DRG.NO.

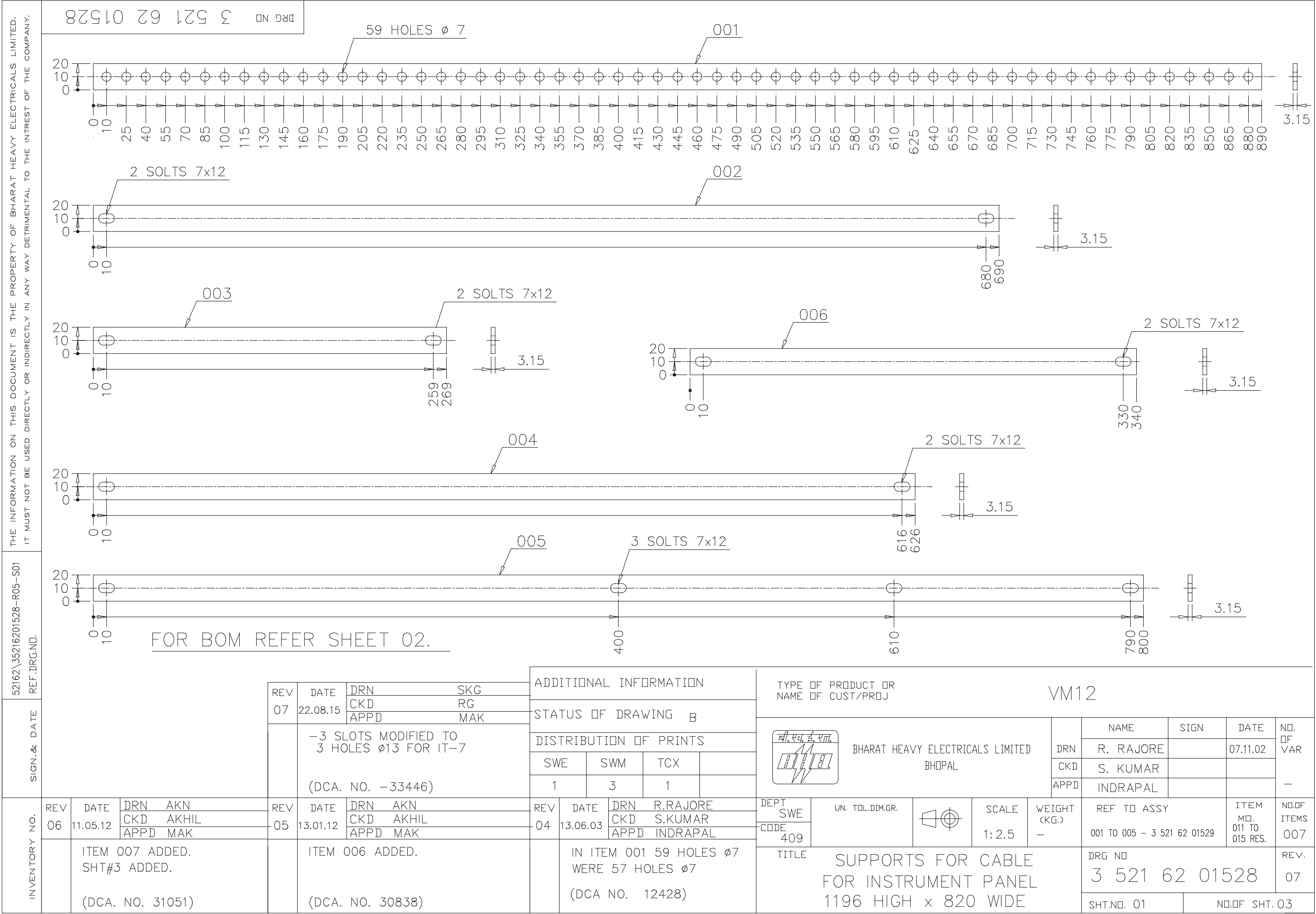
SIGN. & DATE

INVENTORY NO.

82910 29 129 2 DRG NO



REV				DATE				DRN				SKG				ADDITIONAL INFORMATION				TYPE OF PRODUCT OR NAME OF CUST/PROJ			
07				22.08.15				CKD				RG				STATUS OF DRAWING B				VM12			
								APPD				MAK				DISTRIBUTION OF PRINTS				Bharat Heavy Electricals Limited Bhopal			
																SWE				DRN			
																1				CKD			
																3				S. KUMAR			
																1				INDRAPAL			
																				REF TO ASSY			
																				001 TO 005 - 3 521 62 01529			
																				007 - 1 521 62 01546			
																				ITEM MO. 011 TO 015 RES.			
																				DRG NO			
																				3 521 62 01528			
																				SHT.NO. 03			
																				NO.OF SHT. 03			



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

35216201530-02-01  
REF. DRG. NO.

SGN. & DATE

INVENTORY NO.

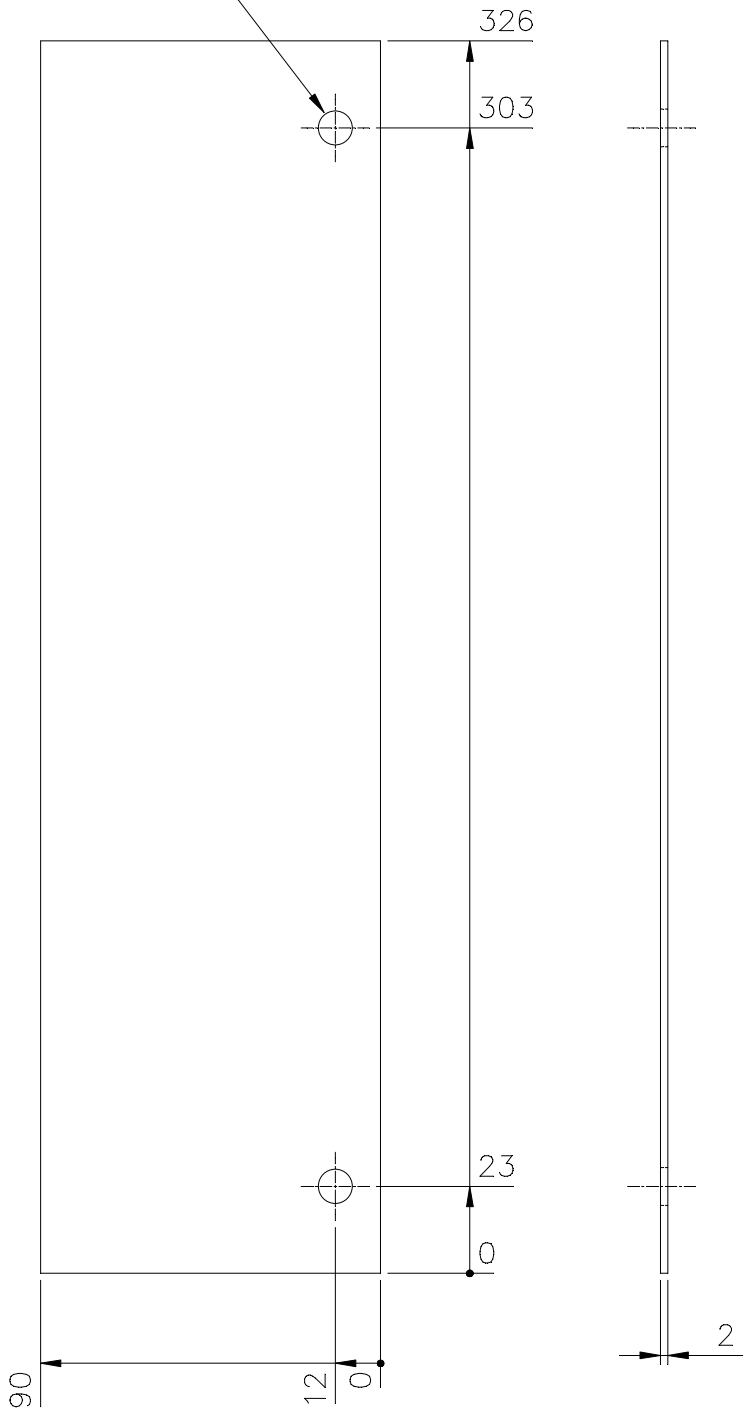
REV.	DATE	ALTERED	VD
		CHECKED	RG
		APPROVED	MAK
03	17.10.14	IETM 002 REVISED.	
		<DCA. NO. 32762>	
02	03.08.05	IETM 002 ADDED	
		<DCA. NO. 23621>	

REV.	DATE	ALTERED	R.RAJORE
		CHECKED	S.KUMAR
		APPROVED	INDRAPAL
01	17.12.02	DIMS. 23, 303 & 326 WERE 25, 207 & 232 RESPECTIVLY.	
		<DCA 12427>	

foHAKx DEPT SWE	vu_ Vky_ uki dh Js.kh UNTOL.DIMS. GR. M		vugikr SCALE 1:1	HAKj fd_xk- WEIGHT (K.G.)	vis_ M&kbZax dk lanHAZ REF. TO ASSY. DRG.	en d-_ ITEM NO.	en_ la[:k NO. OF ITEM
dkSM CODE 409	AA0230208				35216201529	028	002
'kh"AZd					vksj[A d-DRAWING NO.		
GLAND PLATE FOR INSTRUMENT PANEL 1196 HIGH x 820 WIDE					35216201530		
					i="B d-50. No. 01	i="Bksa dh la[:k. NO. OF SHT. 02	

DRG. NO. 35216201530

2 HOLES ø9



DEVELOPMENT OF IT.001

NOTE :-

ALL DIMENSIONS ARE TO BE LIMITED WITHIN  
TOLERANCE ±0.2

FINISH :-

- TO BE EPOXY POWDER COATED TO PRS NO. AA 0674124.
- FOR COLOURSHADE & THICKNESS REFER MID.

65	75	78 79	25 27	29	58	59	60	77	29 31 IT.NO.	34	45	55	56	57	58	65	72	73					
REMARKS		VAR. NO.	ITEM NO.	DESCRIPTION			STD	DRAWING NO.		MATL. CODE		A	C	I	UNIT WT.		ZONE						
		001	-	2 TK. X 90X326 LG. C.R.C.S. SH						AA10115		NA	Kg	0.46									
		002	-	2 TK. X 90X326 LG. C.R.C.S. SH						AA10115		NA	Kg	0.46									
		001	-	2 TK. X 90X326 LG. C.R.C.S. SH						AA10115		NA	Kg	0.46									
		002	-	2 TK. X 90X326 LG. C.R.C.S. SH						AA10115		NA	Kg	0.46									

28 → CARD TYPE-3

28 → CARD TYPE-1

28 → CARD TYPE-2

ADDITIONAL INFORMATION

STATUS OF DRAWING

DISTRIBUTION OF PRINTS

O.COPY-----1  
SWM-----3  
TCX-----1

mRikn dk i-dkj ;k  
xk-gd@ifj;kstuk dk uke  
TYPE OF PRODUCT OR  
NAME OF CUSTOMER/PROJECT

VM12(820W)



HAKjr gsoh bysfDV&dYl fyfeVSM  
HAKsiky  
BHARAT HEAVY ELECTRICALS LTD.  
BHOPAL

uke@NAME	gLrk@SIGN	fnaukd@ATE	osfj_ dh la[:k NO. OF VAR
R. RAJORE		21.11.02	-
S. KUMAR			
INDRAPAL			

foHAKx DEPT SWE	vu_ Vky_ uki dh Js.kh UNTOL.DIMS. GR. M		vugikr SCALE 1:1	HAKj fd_xk- WEIGHT (K.G.)	vis_ M&kbZax dk lanHAZ REF. TO ASSY. DRG.	en d-_ ITEM NO.	en_ la[:k NO. OF ITEM
dkSM CODE 409	AA0230208				35216201529	028	002
'kh"AZd					vksj[A d-DRAWING NO.		
GLAND PLATE FOR INSTRUMENT PANEL 1196 HIGH x 820 WIDE					35216201530		
					i="B d-50. No. 01	i="Bksa dh la[:k. NO. OF SHT. 02	

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

FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm)

164

35216201530-02-02  
REF. DRG. NO.

SGN. & DATE

INVENTORY NO.

REV.	DATE	ALTERED	VD	REV.	DATE	ALTERED
03	17.10.14	CHECKED	RG	02	03.08.05	CHECKED
		APPROVED	MAK			APPROVED

IETM 002 REVISED.

<DCA. NO. 32762>

IETM 002 ADDED

<DCA. NO. 23621>

REV.	DATE	ALTERED	R.RAJORE
01	17.12.02	CHECKED	S.KUMAR
		APPROVED	INDRAPAL

DIMS. 23, 303 & 326 WERE  
25, 207 & 232 RESPECTIVLY.

<DCA 12427>

65	75	78	79	25	27	29	58	59	60	77	29	31	34	45	55	56	58	65	72
REMARKS		VAR. NO.	ITEM NO.	DESCRIPTION				STD	DRAWING NO.				IT.NO.		MATL. CODE		UNIT WT.		ZONE
													32 33 VAR.		46 MATL. SPCN.		54 UNIT		

28 → CARD TYPE-3

28 → CARD TYPE-1

28 → CARD TYPE-2

ADDITIONAL INFORMATION

STATUS OF DRAWING

DISTRIBUTION OF PRINTS

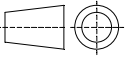
O.COPY-----1  
SWM-----3  
TCX-----1



HAKjr gsoh bysfDV&dYl fyfeVsM  
HAKsiky  
BHARAT HEAVY ELECTRICALS LTD.  
BHOPAL

foHAKx  
DEPT SWE  
dksM  
CODE 409

vu\_ Vky\_ uki dh Js.kh  
UNTOL.DIMS. GR.  
M  
AA0230208



vugikr  
SCALE  
1:2

HAKj fd\_xk-  
WEIGHT (K.G.)

uke@NAME	gLrk@SIGN	fnaukd@ATE	osfj_ dh la[:k NO. OF VAR
R. RAJORE		21.11.02	
S. KUMAR			
INDRAPAL			

vis_ M&kbZax dk lanHAZ REF. TO ASSY. DRG.	en d-- ITEM NO.	en_ la[:k NO. OF ITEM
35216201529	028	002

'kh"AZ@OLE  
GLAND PLATE FOR  
INSTRUMENT PANEL  
1196 HIGH x 820 WIDE

vkjs[A d--DCA DRAWING NO. 35216201530	iqu_@EV NO. OF SHT. 02
---	------------------------------

DRG. NO. 35216201530

2 HOLES ø9

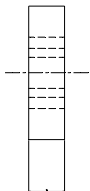
ø50

326  
313  
303

23  
0

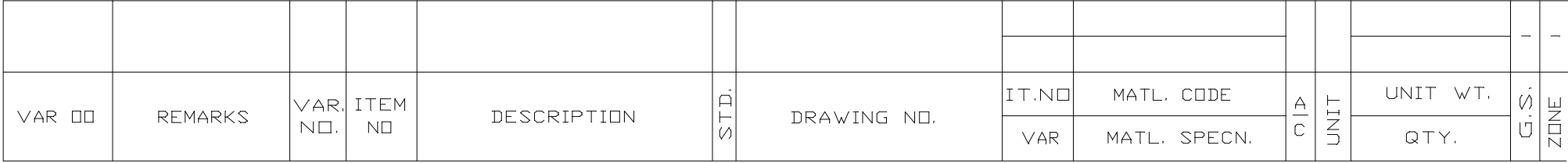
2

DEVELOPMENT OF IT.002



TO BE ZINC PLATED & PASSIVATED TO 0.013TK. TO  
PRS NO. AA 0673603 & AA 0673604 RESPECTIVELY.

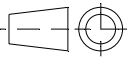
A3

A3

52162\35216201538-R00-S01


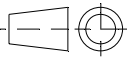
THE INFORMATION ON THIS DOCUMENT IS THE PROPERTY OF BHARAT HEAVY ELECTRICALS LIMITED  
IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO THE INTEREST OF THE COMPANY

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

REV. 02	DATE 07.10.11	ALTERED CHECKED APPROVED	AKN AKHIL MAK	Sd/- Sd/- Sd/-	REV. 01	DATE 20.12.08	ALTERED CHECKED APPROVED	foHAKx DEPT SWE	vu_ Vky_ uki dh Js.kh UNTOL.DIMS. GR.		vuqikr SCALE	HAkj fd_xk- WEIGHT (K.G.)	vis_ M&kbZax dk lanHAZ REF. TO ASSY. DRG. 011 TO 015 3 521 62 01535	en d-_ ITEM NO. 011 TO 015 RES	en_ la[k NO. OF ITEM 005			
WEIGHT UPDATED.					ITEM-001 WAS 470 LG.AND HOLES WERE 31 NO.					SUPPORTS FOR CABLE FOR INSTRUMENT PANEL 806 HIGH x 820 WIDE					DRAWING NO. 3 521 62 01538		iqu_@EV 02	
(DCA NO.-30646)					(CN-28329)										i="B d-@. No. 02		i="Bksa dh la[k; NO. OF SHT. 02	

ADDITIONAL INFORMATION  
STATUS OF DRAWING  
DISTRIBUTION OF PRINTS

	SWM	TCX
	3	1

mRikn dk i-dkj ;k xk-gd@ifj;kstuk dk uke TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT															
VM- 12															
		HAkjr gsob bysfDV&dYl fyfeVsM HAKSIKY BHARAT HEAVY ELECTRICALS LTD. BHOPAL		cuk;k DRN tWpk CKD vuqeksfnr APPD		uke@NAME P.P R.M D.K.D		gLrk@SIGN		fnaukd@ATE 17.11.02		osfj_ dh la[k; k NO. OF VAR			
dkSM CODE 409		AA0230208				N.T.S		HAkj fd_xk- WEIGHT (K.G.)		vis_ M&kbZax dk lanHAZ REF. TO ASSY. DRG. 011 TO 015 3 521 62 01535		en d-_ ITEM NO. 011 TO 015 RES		en_ la[k NO. OF ITEM 005	
'kh"AZ@OLE										SUPPORTS FOR CABLE FOR INSTRUMENT PANEL 806 HIGH x 820 WIDE		DRAWING NO. 3 521 62 01538		iqu_@EV 02	
												i="B d-@. No. 02		i="Bksa dh la[k; NO. OF SHT. 02	

VAR	OO	REMARKS	VAR NO.	ITEM NO	DESCRIPTION	STD.	DRAWING NO.	IT.NO	MATL. CODE	A C	UNIT	UNIT WT.	G.S.	ZONE
								VAR	MATL. SPECN.			QTY.		
		VERTICAL SIDE		005	3.15TK x 20 x 410 LG. H.R.C. STEEL SHEET				AA1011713136 AA10113			0.202 001		
		HORIZONTAL DOOR		004	3.15TK x 20 x 626 LG. H.R.C. STEEL SHEET				AA1011713136 AA10113			0.309 001		
		HORIZONTAL FRONT SIDE		003	3.15TK x 20 x 269 LG. H.R.C. STEEL SHEET				AA1011713136 AA10113			0.133 001		
		HORIZONTAL FRONT		002	3.15TK x 20 x 690 LG. H.R.C. STEEL SHEET				AA1011713136 AA10113			0.341 001		
		VERTICAL FRONT		001	3.15TK x 20 x 500 LG. H.R.C. STEEL SHEET				AA1011713136			0.247 001	-	-

FOR DETAILS OF ITEMS REFER SHEET 01

NOTE

ALL DIMENSIONS TO BE LIMITED WITHIN TOLERENCE ±0.2

NOTE

: TO BE EPOXY POWDER COATED TO PRS NO.AA0674124

: FPR COLOURSHADE AND THICKNESS REFER MID

3 521 62 01538

DRG. NO.

(ALL DIMENSIONS ARE IN mm)

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

FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm)

164

DRG. NO. 35216201553



DEVELOPMENT OF ITEM 001

NOTE :- UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE TO BE LIMITED  
WITHIN TOLERANCE  $\pm 0.2$ .

VAR NO	REMARKS	VAR NO	ITEM NO	DESCRIPTION	STD.	DRAWING NO.	IT. NO	AA1011715112	KG.	0.381	-	-
								AA10115		001		
VAR NO	REMARKS	VAR NO	ITEM NO	DESCRIPTION	STD.	DRAWING NO.	IT. NO	MATL. CODE	A/C	UNIT	UNIT WT.	QTY.
								MATL. SPECN.				

ADDITIONAL INFORMATION				mRikn dk i-dkj ;k xk-gd@ifj;kstuk dk uke TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT				VM-12			
STATUS OF DRAWING B				HAKjr gsoh bysfDV&dYl fyfeVsm HAKsiky BHARAT HEAVY ELECTRICALS LTD. BHOPAL				NAME SIGN DATE NO. OF VAR			
DISTRIBUTION OF PRINTS				HAKjr gsoh bysfDV&dYl fyfeVsm HAKsiky BHARAT HEAVY ELECTRICALS LTD. BHOPAL				NAME SIGN DATE NO. OF VAR			
□/C -1 TCX-1 SWM -3				HAKjr gsoh bysfDV&dYl fyfeVsm HAKsiky BHARAT HEAVY ELECTRICALS LTD. BHOPAL				NAME SIGN DATE NO. OF VAR			
REV. DATE ALTERED ABHISHEK CHECKED RG APPROVED MAK				REV. DATE ALTERED ABHISHEK CHECKED RG APPROVED MAK				REV. DATE ALTERED ABHISHEK CHECKED RG APPROVED MAK			
02 10.09.14				01 02.07.14				02 10.09.14			
LENGTH WAS 21MM.				LENGTH REDUCED TO 705				LENGTH REDUCED TO 705			
DCA-32706				DCA-32606				DCA-32606			
SWE				SWE				SWE			
409				409				409			
AZ				AZ				AZ			
SUPPORT FOR GASKET				SUPPORT FOR GASKET				SUPPORT FOR GASKET			
FOR INSTRUMENT PANEL				FOR INSTRUMENT PANEL				FOR INSTRUMENT PANEL			
FOR 1196 HIGH x 820 WIDE				FOR 1196 HIGH x 820 WIDE				FOR 1196 HIGH x 820 WIDE			
DRAWING NO.				DRAWING NO.				DRAWING NO.			
35216201553				35216201553				35216201553			
No. 01				No. 01				No. 01			
Bksha dh la[; NO. OF SHT. 01				Bksha dh la[; NO. OF SHT. 01				Bksha dh la[; NO. OF SHT. 01			

A3

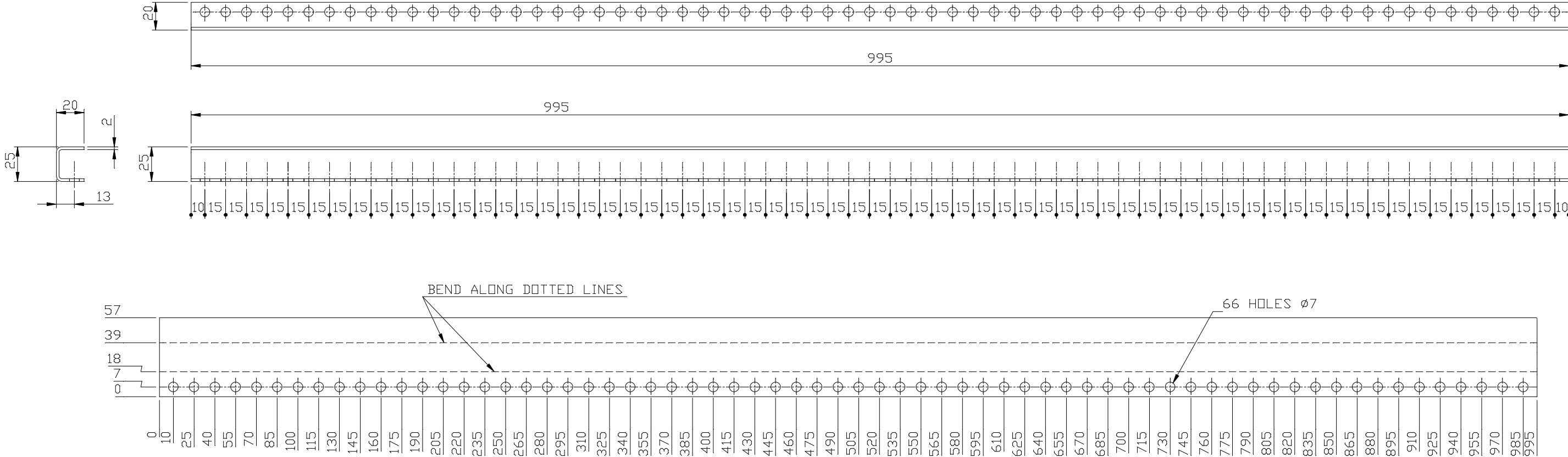
52162\35216201540-R00-S01

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

FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm)

DRG. NO. 3 521 620 1576



DEVELOPMENT OF ITEM 001

REMARKS	VAR. NO.	ITEM NO	DESCRIPTION	STD.	DRAWING NO.	IT.ND	AA1011715112	A/C	UNIT	0.541	-	-
							AA10115			001		
						VAR	MATL. CODE			UNIT WT.	QTY.	ZONE
							MATL. SPECN.					

NOTE: -

ALL DIMENSIONS ARE TO BE LIMITED WITHIN TOLERANCE ±0.2

ADDITIONAL INFORMATION			mRikn dk i-dkj ;k xk-gd@fj;kstuk dk uke TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT												
STATUS OF DRAWING			VM-24												
DISTRIBUTION OF PRINTS			HAKjr gsoh bysfDV&dYl fyfeVsm HAKsiky BHARAT HEAVY ELECTRICALS LTD. BHOPAL												
□/C		SWM		TCX		cuk;k DRN		uke@NAME		gLrk@SIGN		fnaukd@DATE		osfj_ dh la[; k NO. OF VAR	
1		3		1		tWpk CKD		SP		Sd/-		26.05.15			
						vuqeksfnr APPD		RG		Sd/-		26.05.15			
								MAK		Sd/-		26.05.15			
foHAKk DEPT		vu_ Vky_ uki dh Js.kh UNTOL.DIMS. GR.		SWE		vugikr SCALE		HAKj fd_xk- WEIGHT (K.G.)		vis_ M&kbZax dk lanHAZ REF. TO ASSY. DRG.		en d-_ ITEM NO.		en_ la[;k NO. OF ITEM	
409		AA0230208				1:2.5				-		001		001	
'kh"AZ@OLE		SUPPORT BRACKET FOR INSTRUMENT PANEL 1196 HIGH x 820 WIDE								vkjs[A d-@A DRAWING NO. 3 521 62 01576		iqu_@EV NO. OF SHT. 01		00	
										i="B d-@A No. 01		i="Bksa dh la[;k No. OF SHT. 01			

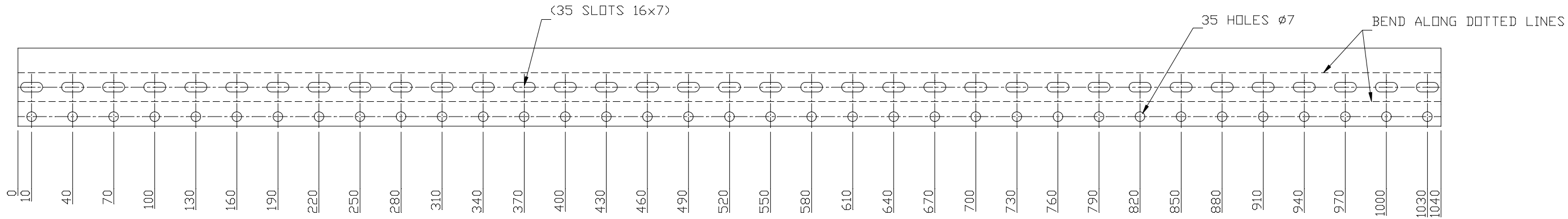
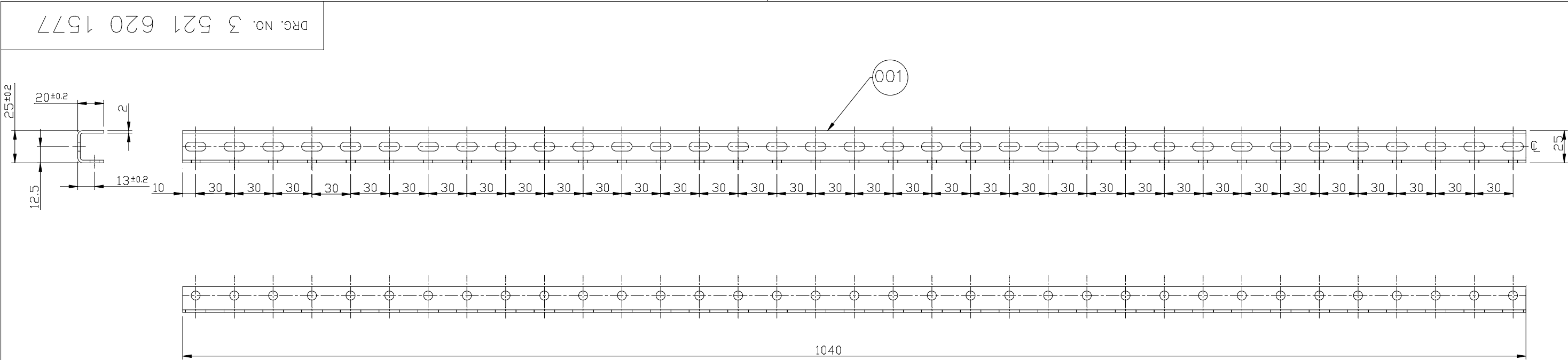
52162\35216201541-R00-S01

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

FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm)

164



DEVELOPMENT OF ITEM 001

			001	2TK.x 57 × 1040 LG. C.R.C. STEEL SHEET	2			AA1011715112			0.581	-	
								AA10115			001		
VAR 00	REMARKS	VAR. NO.	ITEM NO	DESCRIPTION	STD.	DRAWING NO.	IT.NO	MATL. CODE	A/C	UNIT	UNIT WT.	G.S.	ZONE
							VAR	MATL. SPECN.			QTY.		

NOTE: -

ALL DIMENSIONS ARE TO BE LIMITED WITHIN TOLERANCE ±0.2

ADDITIONAL INFORMATION			mRikn dk i-dkj ;k xk-gd@ifj;kstuk dk uke TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT																						
STATUS OF DRAWING			VM-24																						
DISTRIBUTION OF PRINTS			HAKjr gsoh bysfDV&dYl fyfeVsm HAKsiky BHARAT HEAVY ELECTRICALS LTD. BHOPAL																						
□/C		SWM		TCX		foHAKk DEPT		vu_ Vky_ uki dh Js.kh UNTOL.DIMS. GR.		vuqikr SCALE		HAKj fd_xk- WEIGHT (K.G.)		uke@NAME		gLrk@SIGN		fnaukd@ATE		osfj_ dh la[; k NO. OF VAR					
						409		AA0230208		1:2.5				SP		Sd/-		26.05.15							
														RG		Sd/-		26.05.15							
														MAK		Sd/-		26.05.15							
REV.		DATE		ALTERED		REV.		DATE		ALTERED		foHAKk DEPT		vu_ Vky_ uki dh Js.kh UNTOL.DIMS. GR.		vuqikr SCALE		HAKj fd_xk- WEIGHT (K.G.)		vis_ M&kbZax dk lanHAZ REF. TO ASSY. DRG.		en d- ITEM NO.		en_ la[; k NO. OF ITEM	
				CHECKED						CHECKED		409		AA0230208		1:2.5								001	
				APPROVED						APPROVED															
INVENTORY NO.																									
SIGN. & DATE																									
REF. DRG. NO.																									

SUPPORT BRACKET  
FOR INSTRUMENT PANEL  
1196 HIGH x 820 WIDE

DRAWING NO.  
3 521 620 1577

No. 01

No. 01

A3

52162\35216201538-R00-S01

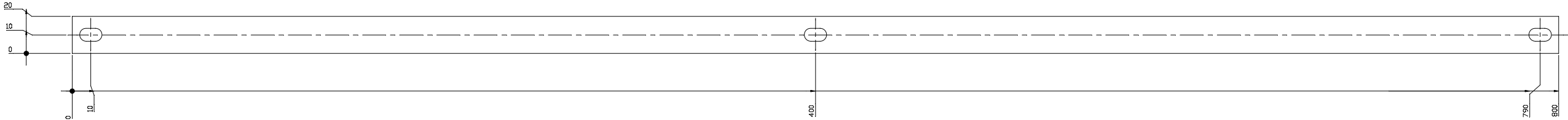
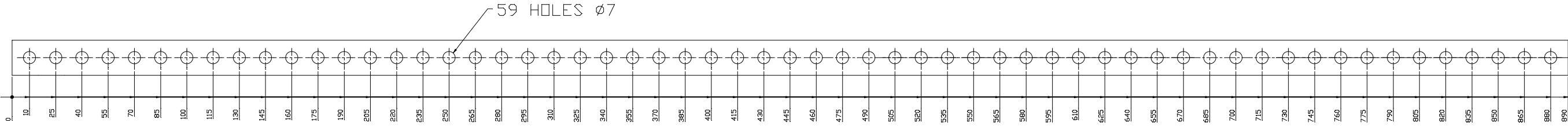
THE INFORMATION ON THIS DOCUMENT IS THE PROPERTY OF BHARAT HEAVY ELECTRICALS LIMITED  
IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO THE INTEREST OF THE COMPANY

FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm)

3 521 62 01578

DRG. NO.



NOTE

ALL DIMENSIONS TO BE LIMITED WITHIN TOLERANCE  $\pm 0.2$

NOTE

TO BE EPOXY POWDER COATED TO PRS NO.AA0674124  
FPR COLOUR SHADE AND THICKNESS REFER MID

	VERTICAL SIDE		002	3.15TK x 20 x 800 LG. H.R.C. STEEL SHEET				AA1011713136			0.202		
	VERTICAL FRONT		001	3.15TK x 20 x 890 LG. H.R.C. STEEL SHEET				AA1011713136			0.247	-	-
VAR □□	REMARKS	VAR NO.	ITEM NO	DESCRIPTION	STD.	DRAWING NO.	IT.N□	MATL. CODE	A/C	UNIT	UNIT WT.	QTY.	ZONE

ADDITIONAL INFORMATION

STATUS OF DRAWING

DISTRIBUTION OF PRINTS

SWM TCX


mRikn dk i-dkj ;k  
xk-gd@ifj;kstuk dk uke  
TYPE OF PRODUCT OR  
NAME OF CUSTOMER/PROJECT

VM- 12



HAKjr gsoh bysfDV&dYl fyfeVsm  
HAKsiky  
BHARAT HEAVY ELECTRICALS LTD.  
BHOPAL

uke@NAME	gLrk@SIGN	fnaukd@DATE	osfj_ dh la[]; k NO. OF VAR
SP	Sd/-	27.05.15	
RG	Sd/-	27.05.15	
MAK	Sd/-	27.05.15	

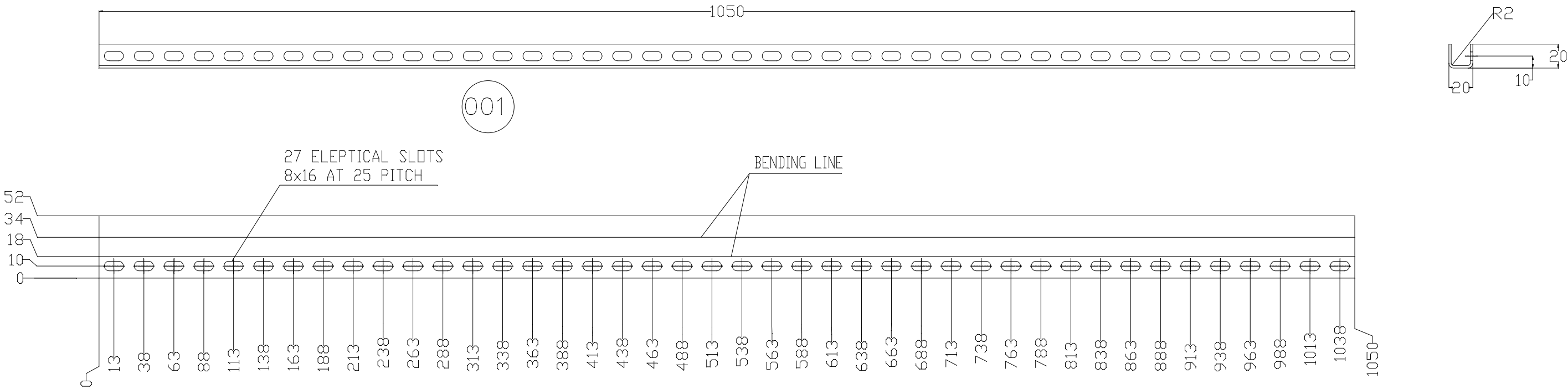
foHAKx DEPT SWE	vu_ Vky_ uki dh Js.kh UNTOL.DIMS. GR.		vuqikr SCALE N.T.S	HAKj fd_xk- WEIGHT <K.G.>	vis_ M&kbZax dk lanHAZ REF. TO ASSY. DRG.	en d-__ ITEM NO.	en_ la[];k NO. OF ITEM 002
dkSM CODE 409	AA0230208	<u>SUPPORTS FOR CABLE</u> <u>FOR INSTRUMENT PANEL</u> <u>1196 HIGH x 820 WIDE</u>			vkjs[A d-__DRAWING NO.  3 521 62 01578		iqu_@REV 00
'kh"AZ@OLE		i="B d-__SHT. No. 01		i="Bksa dh la[];k. NO. OF SHT. 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

FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm)


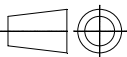
DRG. NO. 35216201580



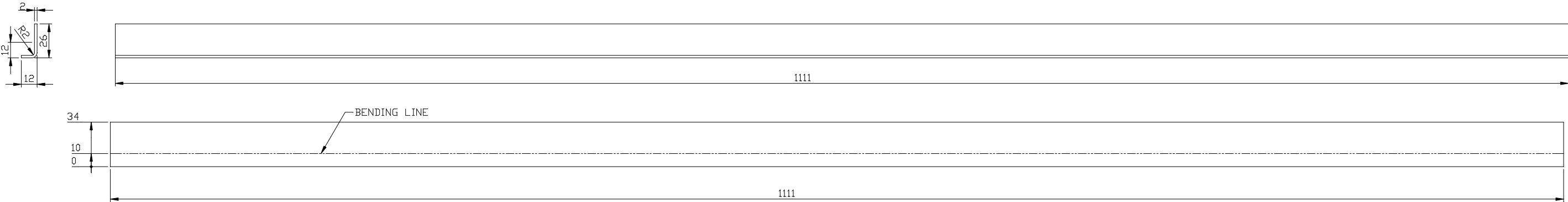
DEVELOPMENT OF ITEM 001

NOTE :-

ALL DIMENSIONS ARE TO BE LIMITED WITHIN  
TOLERANCE  $\pm 0.2$

			001		2TK.x52x1050 LG. C.R.C. STEEL SHEET		2				AA1011715112		KG.		0.551						
											AA10115				001						
REMARKS			VAR. NO.		ITEM NO		DESCRIPTION		DRAWING NO.		IT.NO		MATL. CODE		UNIT WT.		G.S.				
											VAR		MATL. SPECN.		QTY.		ZONE				
ADDITIONAL INFORMATION							mRikn dk i-dkj ;k xk-gd@ifj;kstuk dk uke TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT														
STATUS OF DRAWING B							VM12/36														
DISTRIBUTION OF PRINTS							HAKjr gsoh bysfDV&dYl fyfeVsm														
SWM -1 TCX-1 -3									HAKsiky BHARAT HEAVY ELECTRICALS LTD. BHOPAL		cuk;k		uke@NAME		gLrk@SIGN		fnaukd@ATE		osfj_ dh		
											DRN		SP		Sd/-		01.06.15		la;k		
											tWpk CKD		RG		Sd/-		01.06.15		NO. OF VAR		
									vuqeksfnr APPD		MAK		Sd/-		01.06.15		-				
REV.		DATE		ALTERED		foHAKx DEPT SWE		vu_ Vky_ uki dh Js.kh UNTOL.DIMS. GR. M				vuqikr SCALE		HAKj fd_xk- WEIGHT (K.G.)		vis_ M&kbZax dk lanHAZ REF. TO ASSY. DRG.		en d- ITEM NO.		en_ la;k NO. OF ITEM	
				CHECKED		dkSM CODE		409 AA0230208		1:1										001	
							'kh"AZ@OLE					vkjs[A d-DRAWING NO. 35216201580					iqu_@EV 00				
							SUPPORT BRACKET FOR INSTRUMENT PANEL					i="B d-SHT. No. 01					i="Bksa dh la;k; NO. OF SHT. 01				

**NOTE:-**  
ALL DIMENSIONS ARE TO BE LIMITED  
WITHIN TOLERANCE  $\pm 0.2$



			001	2TK x 34 x 1111 LG. C.R.C. STEEL SHEET			AA1011715112			0.593	-	
							AA10115			001		
VAR 00	REMARKS	VAR. NO.	ITEM NO	DESCRIPTION	STD.	DRAWING NO.	IT.NO	MATL. CODE	C A	UNIT	UNIT WT.	G.S.
							VAR	MATL. SPECN.			QTY.	ZONE

INVENTORY NO.	REV.	DATE	ALTERED	CHECKED	APPROVED	REV.	DATE	ALTERED	CHECKED	APPROVED	foHAKk DEPT	SWE	vu_ Vky_ uki dh Js.kh UNTOIL.DIMS. GR.		vuqikr SCALE	HAKj fd_xk_ WEIGHT (K.G.)	vls_ M&kbZax dk lanHAZ REF. TO ASSY. DRG.	en d_ ITEM NO.	en_ la[:k NO. OF ITEM	iku_ REV																						
																					SIGN. & DATE	REF.	ADDITIONAL INFORMATION	STATUS OF DRAWING	DISTRIBUTION OF PRINTS		HAKjr gsoh bysfDV&dYl fyfeVSM HAKsiky BHARAT HEAVY ELECTRICALS LTD. BHOPAL	tWpk CKD	vugeksfmr APPD	uke@NAME	gLrk@ SIGN	fnaukd@ATE	osfj_ dh la[:k NO. OF VAR									
																																		□/C	SWM	TCX	SANDEEP	Sd/-	01.06.15			
																																								RG	Sd/-	01.06.15

3 521 62 01581	i="B d-SHT. No. 01	i="Bksa dh la[:k NO. OF SHT. 01		
			DRAWING NO.	
			SUPPORT FOR GASKET FOR DOOR OF INSTRUMENT PANEL 1196 HIGH x 820 WIDE	

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

FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm)

164

DRG. NO. 3 521 9001 562

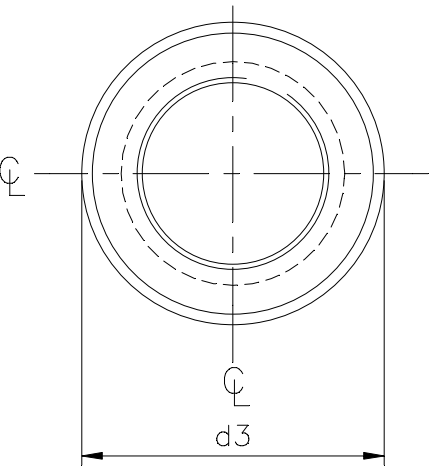
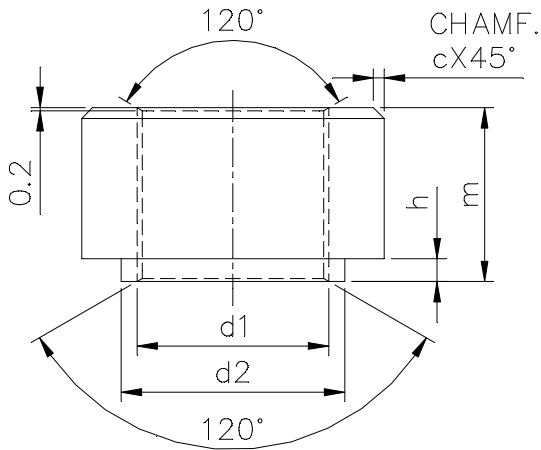



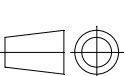
TABLE OF DIMENSIONS

ITEM	DIMENSIONS						
	THREAD d1 ACCORDING TO DIN113	d2 ø	d3 ø	h	c	m	HOLE PUNCH SIZE FOR d2 ø
006	M12	14.8	20	1.5	1	11.5	15.5
007	M6	8	12	0.8	0.5	5.8	8.5
008	M8	10.5	16	1	0.6	7.5	11
009	M4	6	8	0.7	0.4	4.2	6.5
010	M10	12.5	18	1.2	0.8	9.2	13

NOTE: —

IF ITEMS 001 TO 005 ARE NOT AVAILABLE, ALTERNATIVELY  
ITEMS 006 TO 010 CAN BE USED RESPECTIVELY.

REFER SHEET 02 FOR BOM.

ADDITIONAL INFORMATION			mRikn dk i-dkj ;k xk-gd@ifj;kstuk dk uke TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT																					
STATUS OF DRAWING			B																					
DISTRIBUTION OF PRINTS			HAKjr gsoh bysfDV&dYl fyfeVsM HAKsiky BHARAT HEAVY ELECTRICALS LTD. BHOPAL																					
SWE 1			SWM 3			TCX 1					ucuk;k DRN		uke@NAME R. RAJORE		gLrk@ SIGN		fnaukd@ATE 23.05.02		osfj_ dh la;k NO. OF VAR					
											tWpk CKD		S. KUMAR						—					
											vuqeksfmr APPD		INDRAPAL											
REV. 01	DATE 25.10.05	ALTERED CHECKED APPROVED	R. RAJORE H.R.P D.K.D			foHAKx DEPT SWE 409		vu_ Vky_ uki dh Js.kh UNTOL.DIMS. GR. M AA 0230208				vuqikr SCALE 1:2		HAKj fd_xk— WEIGHT (K.G.)		vis_ M&kbZax dk lanHAZ REF. TO ASSY. DRG. 15219001502 35219002602				en d— ITEM NO. 006 002		en_ la;k NO. OF ITEM 010		
HOLES PUNCH FOR ITS.006 008 009 & 010 WERE 15, 10.5,6, & 12.5 RESP.  (DCA NO. 24237)			'kh"AZT@  WELD NUT										vkjs[A d—DRAWING NO. 3 521 9001 562											
													i="B d—SHT. No. 01				i="Bksa dh la;k; NO. OF SHT. 02							

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

FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm)

DRG. NO. 35219001562

			010	-						AA1010208091			0.0184				
				18 DIA X 9.2LG. STRL STEEL STD. QLTY						AA10108	NA	Kg	001				
			009	-						AA1010212036			0.0017				
				8DIA X 4.2LG. STRL STEEL STD. QLTY						AA10112	NA	Kg	001				
			008	-						AA1010208080			0.0118				
				16 DIA X 7.5 LG. STRL STEEL STD. QLTY						AA10108	NA	Kg	001				
			007	-						AA1010212052			0.005				
				12DIA X 5.8LG. STRL STEEL STD. QLTY						AA10112	NA	Kg	001				
			006	-						AA1010212095			0.028				
				20DIA X 11.5LG. STRL STEEL STD. QLTY						AA10112	NA	Kg	001				
			005	HEX. WELD NUT M10						BP9019108239			0.009				
				DIN 929							NA	Kg	001				
			004	HEX. WELD NUT M4						BP9019108204			0.001				
				DIN 929							NA	Kg	001				
			003	HEX. WELD NUT						BP9019108220			0.005				
				M8 DIN 929							NA	Kg	001				
			002	HEX. WELD NUT						BP9019108212			0.002				
				M6 DIN 929							NA	Kg	001				
			001	HEX. WELD NUT M12						BP9019108247			0.013				
				DIN 929							NA	Kg	001				
VAR00	65	75	78 79	25 27	29	58	59	60	77	29 31	34	45	55	56	58	65	72
	REMARKS		VAR. NO.	ITEM NO.	DESCRIPTION		STD		DRAWING NO.	IT.NO.	MATL. CODE		A	UNIT	UNIT WT.		ZONE
										32 33	46	54			68	71	
										VAR.	MATL. SPCN.				QTY.		

28 → CARD TYPE-3

28 → CARD TYPE-1

28 → CARD TYPE-2

REFER SHEET 01 FOR ITEMS 006 TO 010  
DETAILS

ADDITIONAL INFORMATION

STATUS OF DRAWING

B

DISTRIBUTION OF PRINTS

O.COPY-----1  
SWM-----3  
TCX-----1

mRikn dk i-dkj ;k  
xk-gd@ifj;kstuk dk uke  
TYPE OF PRODUCT OR  
NAME OF CUSTOMER/PROJECT

VM-12 (BT-II)

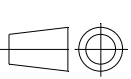


HAKjr gsob bysfDV&dYl fyfeVsm  
Haksiky  
BHARAT HEAVY ELECTRICALS LTD.  
BHOPAL

uke@NAME	gLrk@SIGN	fnaukd@ATE	osfj_ dh la[;k NO. OF VAR
R. RAJORE		23.05.02	
S. KUMAR			
INDRAPAL			

foHAKx  
DEPT SWE

vu\_ Vky\_ uki dh Js.kh  
UNTOL.DIMS. GR.



vuqikr  
SCALE

HAKj fd\_xk-  
WEIGHT (K.G.)

vis\_ M&kbZax dk lanHAZ  
REF. TD ASSY. DRG.  
15219001502  
35219002602

en d--  
ITEM NO.  
006  
002

en\_ la[;k  
NO. OF  
ITEM  
010

'kh"AZ@OLE

WELD NUT

vkjs[A d-DRAWING NO.

35219001562

iqu\_@EV

01

i="B d--@ No. 02

i="Bksa dh la[;k; NO. OF SHT. 02

REV. DATE ALTERED R. RAJORE  
01 25.10.05 CHECKED H.R.P  
APPROVED D.K.D

HOLES PUNCH FOR ITS.006  
008 009 & 010 WERE 15,  
10.5,6, & 12.5 RESP.

(DCA NO. 24237)

35219001502-R01-S02

REF. DRG. NO.

SIGN. & DATE

INVENTORY NO.

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

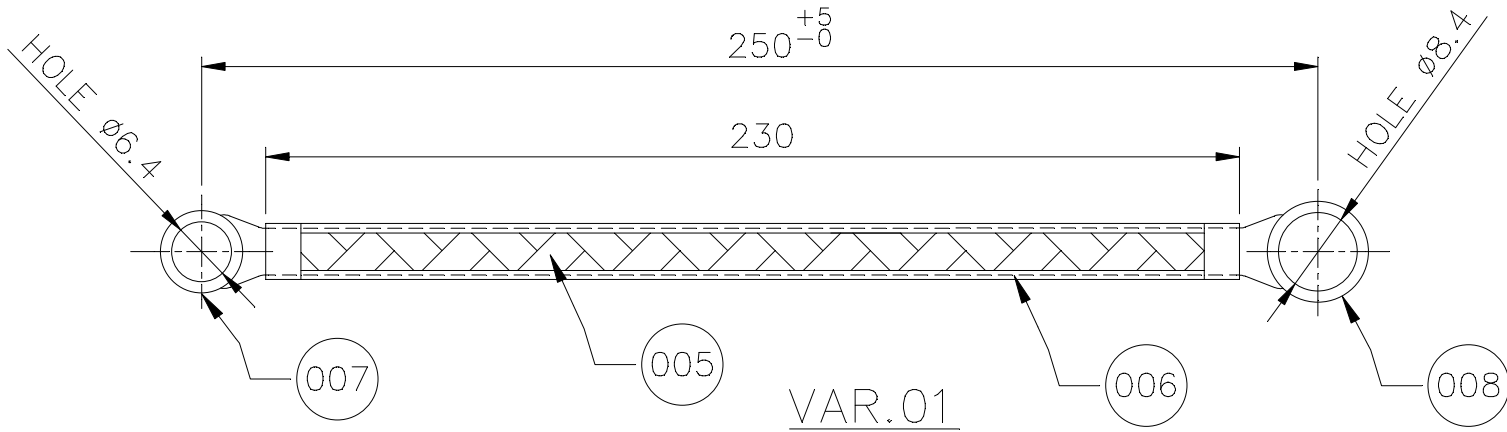
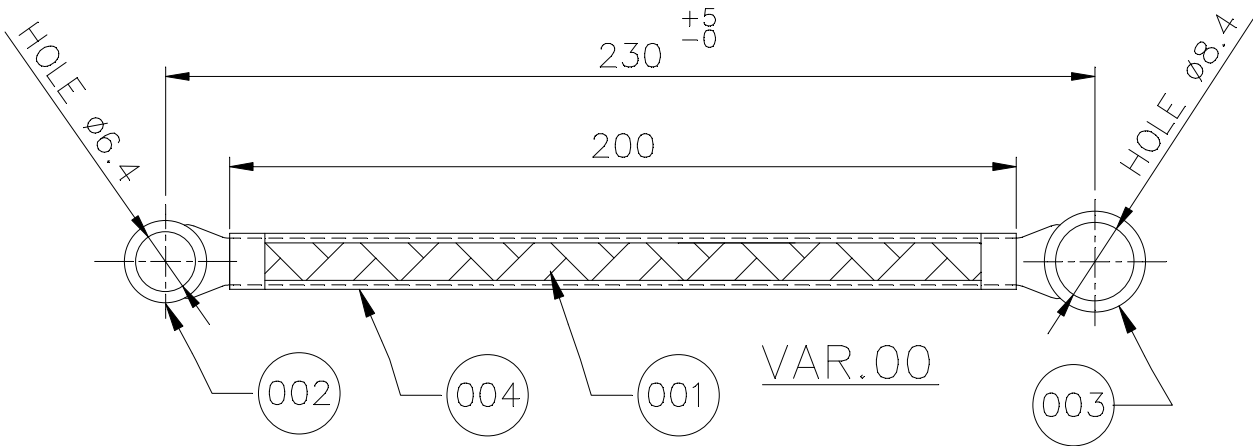
FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm)

164

08980061753  
DRG. NO.

NOTE: -  
1) FINISH OF BRAIDED ROPE-NATURAL  
2) FINISH OF LUGS - TINNED  
BP CODE FOR VAR.00 IS BP9099123922.



001	-			008	LUGS BRACO TYPE CA-35/8 OR EQUIVALENT				NA	Kg	0.010		
001	-			007	LUGS BRACO TYPE CA-35/6 OR EQUIVALENT				NA	Kg	0.010		
001	-			006	PVC SLEEVE GREEN COLOR 230 LG				NA	Kg	0.005		
001	-			005	COPPER BRAIDED ROPE 90/250/ø8/ø0.05/250 LG				NA	Kg	0.112		
-	001	BP9909133547		004	PVC SLEEVE GREEN COLOR 200 LG				NA	Kg	0.003		
-	001	BP9909133539		003	LUGS HEX. TYPE HR-7121 (M8) OR EQUIVALENT				NA	Kg	0.010		
-	001	BP9909133520		002	LUGS HEX. TYPE-7120 (M6) OR EQUIVALENT				NA	Kg	0.010		
-	001	BP9909133512		001	COPPER BRAIDED ROPE 20/250/ø3.5/ø0.05/200 LG				NA	Kg	0.017		
VAR 01	VAR 00		REMARKS	VAR. NO. 00	ITEM NO.	DESCRIPTION	UTS	DRAWING NO.				UNIT WT.	ZONE

NOTE: - DESCRIPTION : AA / BB/ ø CC/ ø DD / EE

AA = NUMBER OF ROPES IN ONE FLEXIBLE CONNECTION  
BB = NUMBER OF COPPER WIRES PER ROPE  
CC = OUTER DIA OF FLEXIBLE CONNECTION (in mm)  
DD = DIA OF ONE COPPER WIRE (in mm)  
EE = TOTAL LENGTH OF FLEXIBLE CONNECTION (in mm)

28 → CARD TYPE-3		28 → CARD TYPE-1		28 → CARD TYPE-2									
ADDITIONAL INFORMATION		B											
STATUS OF DRAWING		VM-12											
DISTRIBUTION OF PRINTS		HAKjr gsoh bysfDV&dYl fyfeVsm											
O.COPY-----1 SWM-----3 TCX-----1		HAKsiky BHARAT HEAVY ELECTRICALS LTD. BHOPAL											
foHAKx DEPT SWE		vu_ Vky_ uki dh Js.kh UNTOL.DIMS. GR.		vugikr SCALE		HAKj fd_xk- WEIGHT (K.G.)		vis_ M&kbZax dk lanHAZ REF. TO ASSY. DRG.		en d-- ITEM NO.		en_ la[k NO. OF ITEM	
dkSM CODE 409		M AA0230208		1:1								01	
'kh"AZd		COPPER BRAIDED FLEXIBLE FOR DOOR EARTHING						vkjs[A d-- DRAWING NO.		en_ la[k NO. OF ITEM		02	
i="B d-- No. 01								i="Bksa dh la[k; No. OF SHT. 01					

INVENTORY NO.	REV.	DATE	ALTERED	REV.	DATE	ALTERED	MKN	REV.	DATE	ALTERED	AKN
			CHECKED	02	09.11.12	CHECKED	RG	01	18/07/2012	CHECKED	PUNIT
			APPROVED			APPROVED	MAK			APPROVED	MAK

-VAR-01 & ITEM 005 TO 008  
ADDED.  
-VAR-00 REVISED.  
(DCA. NO. 31433)

HOLE ø8.4 WAS ø6.4  
ITEM 004 ADDED.  
(DCA NO. 31194)



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

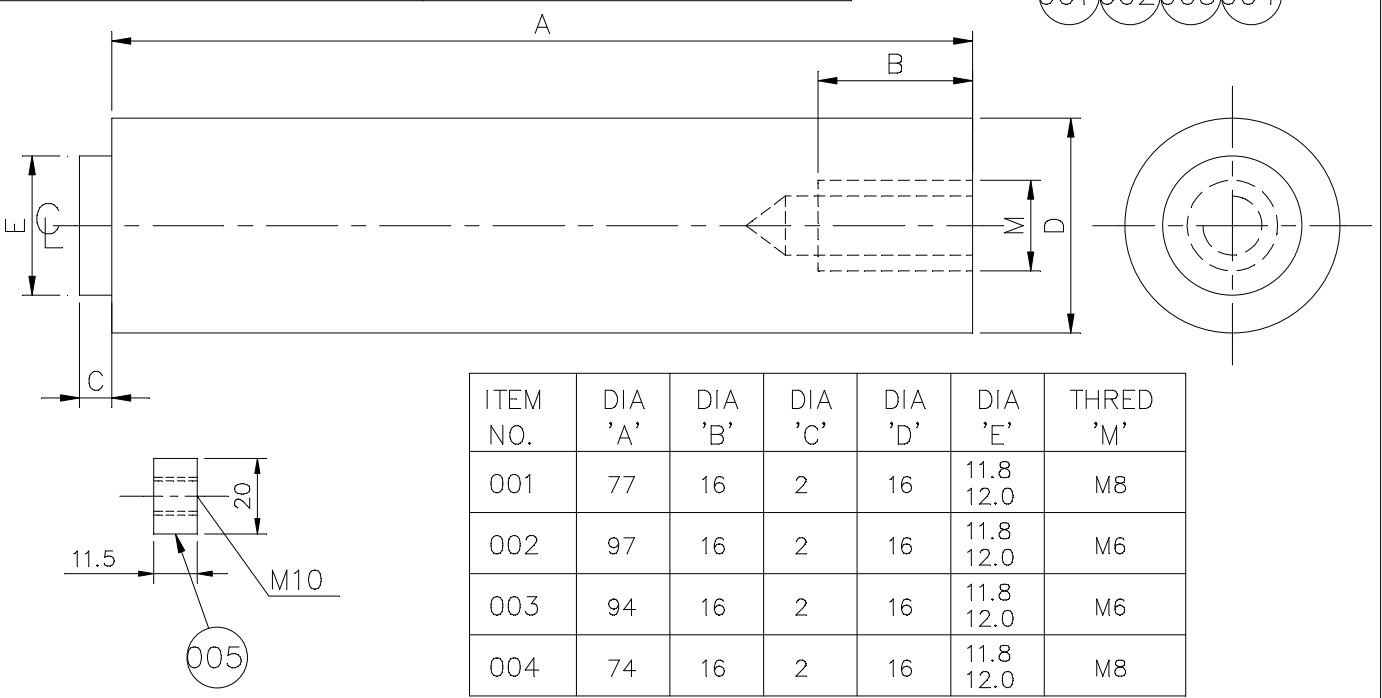
FIRST ANGLE PROJECTION (ALL DIMENSIONS ARE IN mm)

53/209

164

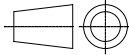
REV. 02	DATE 05.03.91	ALTERED CHECKED APPROVED	REV. 01	DATE 16.1189	ALTERED CHECKED APPROVED	ADDITIONAL INFORMATION
ITEM 005 ADDED.			ITEM 003 & 004 ADDED.			STATUS OF DRAWING B
						DISTRIBUTION OF PRINTS O.C.-1 SWM-3 TCX-1
REV. 03	DATE 13.13.91	ALTERED CHECKED APPROVED	REV. 04	DATE 26.06.98	ALTERED CHECKED APPROVED	NOTE: —  PAINT TO AA 0674112
ITEM 005 MODIFIED.			MATL. WAS BRT.S.BAR TO BP10172 ON—SPEC. TOL. NOTE 4 WT. ADDED. N BOM IT. 005 WAS IS.  (DCA NO.—08984)			

001002003004



		004	16 DIA 974 LG. STRL. S. STD. Q 16DIA X74LG STRL.ST.ROUND BAR				AA1010208080	NA	Kg	0.1168		
		003	16 DIA 94 LG. STRL. S. STD. QU 16DIAx94LG STRL.ST.ROUND BAR				AA1010208080	NA	Kg	0.1484		
		002	16 DIA 97 LG. STRL. S. STD. QU 16 DIA X 97 LG. STRL.ST.ROUND				AA1010208080	NA	Kg	0.1532		
		001	16 DIA. X 77 LG. STRL. S. STD. 16 DIA X 77 LG. STRL.ST.ROUND				AA1010208080	NA	Kg	0.1216		

		75	25	27	29		58	59	46		54	55	56	68	71
		REMARKS	ITEM NO.	DESCRIPTION				STD	MATL. CODE			A	UNIT	UNIT WT.	
									MATL. SPCN.			C		QTY.	

28 → CARD TYPE-3			28 → CARD TYPE-1			28 → CARD TYPE-2																																						
<div><div><div>बी एच ई एल</div><div>BHEL</div></div></div> <div>HAKjr gsob bysDV&amp;hdYl fyfeVsM HAKsiky BHARAT HEAVY ELECTRICALS LTD. BHOPAL</div>																																												
			uke NAME			gLrk_ SIGN			fnugkd DATE			osfj_ dh la[:k NO. OF VAR.																																
			cuk;k DRN			S.U.S.			11.05.89																																			
			tkapk CKD																																									
			vugeksfnr APPD			R.BOSE			20.5.89																																			
foHAKx DEPT SWE			vu_ Vky_ uki dh Js.kh UNTOL.DIMS. GR. M AA0230208						vuqikr SCALE 1: 2			HAKj fd_xk_— WEIGHT (KG.) —			vls_M&kbZax dk lanHAZ REF. TO ASSY. DRG. 35216201500 35216201505—009			en d— ITEM NO. 011			en la[:k NO. OF ITEM 005																							
dkSM CODE 409																																												
'Ah"AZ@E															BOSS																													
															vksjs[A d—DRAWING NO. 45215001576															iqu@REV. 04														
															i="B d—SHT. No. 01															i="Bksa dh la[:k NO OF SHT. 01														



INVENTORY No.

SIGN & DATE

REF. DRG. No.

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.

REV.

DATE

ALTERED

CHECKED

REV.

DATE

ALTERED

CHECKED

ADDITIONAL INFORMATION

STATUS OF DRAWING

DISTRIBUTION OF PRINTS

O/C-1 SWM-3 TCX-1

50

50

001

2TK.

	001	2TKx50x50 HRCS SHEET		AA1011713110		KG.	0.019
				AA10113			004
REMARKS	ITEM NO.	DESCRIPTION	STD.	MATL. CODE	A - C	UNITS	UNIT WT.
				MATL. SPECN			QTY.

<div><div><div>DEPT. SWE</div><div>CODE 409</div></div><div><div>UN. TOL.DIM.GR.</div><div>M</div><div>AA 0230208</div></div><div><div><div><div></div></div></div></div><div><div>SCALE</div><div>1:1</div></div><div><div>WEIGHT</div><div>(Kg.)</div></div></div>	<div><div>NAME</div><div>AKN</div></div> <div><div>SIGN.</div><div>Sd/-</div></div> <div><div>DATE</div><div>18.06.11</div></div> <div><div>NO.OF VAR</div></div>				
		<div><div>REF. TO ASSY. DRG.</div></div>	<div><div>ITEM MO.</div></div>	<div><div>NO.OF ITEMS</div><div>001</div></div>	
		<div><div>TITLE</div><div>GUSSET</div></div>		<div><div>DRAWING No.</div><div>45216201522</div></div>	<div><div>REV.</div><div>00</div></div>
		<div><div>SHEET NO.</div><div>01</div></div>	<div><div>NO.OF SHEETS</div><div>01</div></div>		

SIZE A4

55/209

164

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.

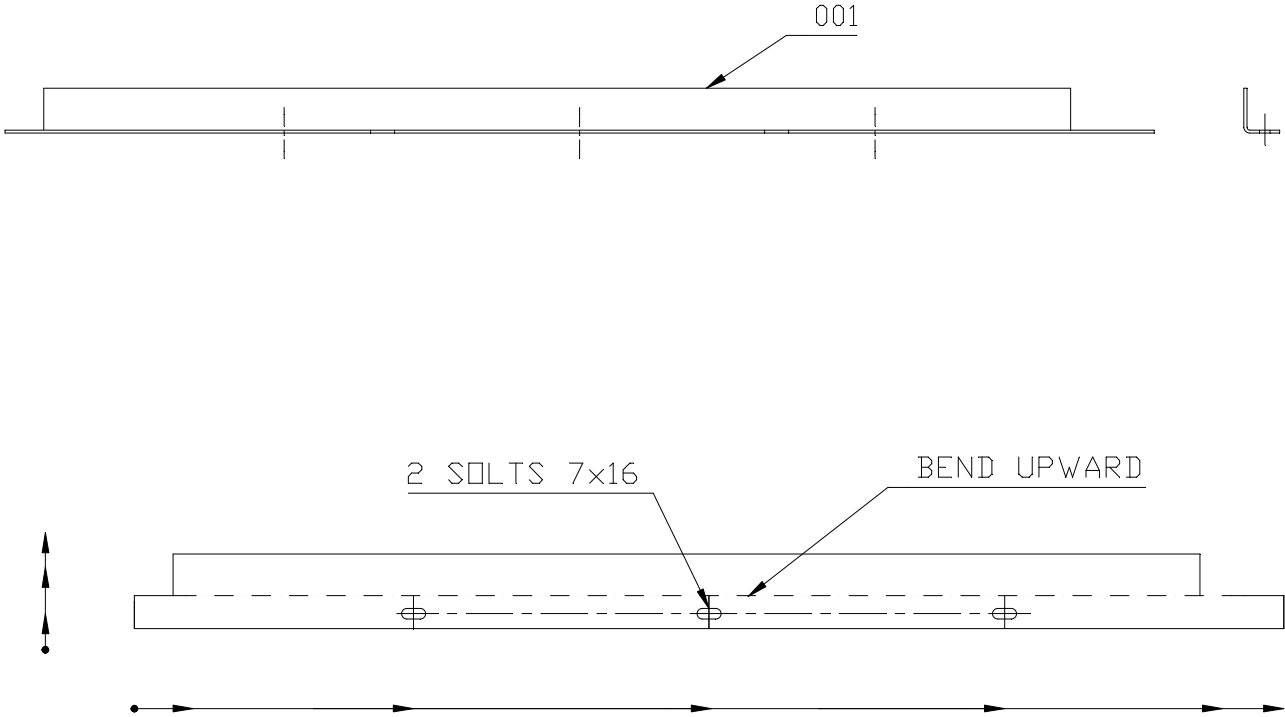
FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm)

56/209

1645641/2023/HEP-SWM20961


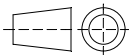
5641/2023/HEP-SWM20961								
REV.	DATE	ALTERED	REV.	DATE	ADDITIONAL	INFORMATION		
		CHECKED						
		APPROVED						
						STATUS OF DRAWING		
						B		
						DISTRIBUTION OF PRINTS		
						O.C.—1 SWM—3 TCX—1		



DEVELOPMENT OF ITEM 001

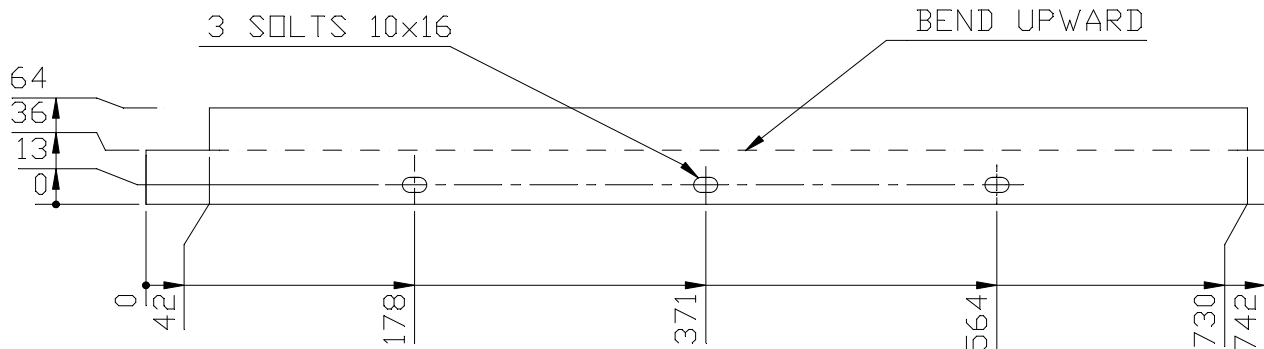
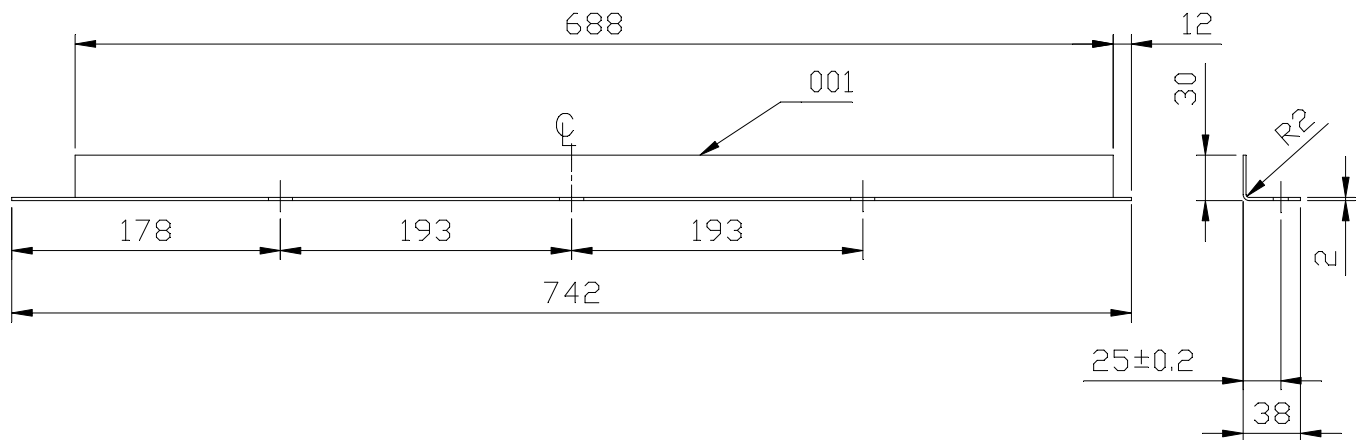
NOTE :-

ALL DIMNESIONS ARE TO BE LIMITED WITHIN TOLERANCE  $\pm 0.2$

				001	2TK.x50x770 LG. CRC STEEL SHEET						AA1011715112		KG.	0.569							
											AA10115			001							
REMARKS				75	25	27	29	DESCRIPTION				58	59	46	54	55	56	68	71		
				ITEM NO.								MATL. CODE	A I C	UNIT	UNIT WT.						
								MATL. SPCN.							QTY.						
28 → CARD TYPE-3							28 → CARD TYPE-1							28 → CARD TYPE-2							
				HAKjr gsOh bysDV&hdYl fyfeVsM HAKsiky BHARAT HEAVY ELECTRICALS LTD. BHOPAL										uke NAME		gLRk SIGN		fnuakd DATE		osfj_ dh la;k NO. OF VAR.	
				cuk;k DRN		SANDEEP								Sd/-		30.04.14		-			
				tkapk CKD		RG								Sd/-		30.04.14					
				vugksfmr APPD		MAK								Sd/-		30.04.14					
foHAKx DEPT SWE		vu_ Vky_ uki dh Js.kh UNTOL.DIMS. GR.						vuqikr SCALE 1:5		HAKj fd_xk_ WEIGHT (K.G.) 0.725		vis_M&kbZax dk lanHAZ REF. TO ASSY. DRG. 15216201559				en d_ ITEM NO. 004		en la;k NO. OF ITEM 001			
dkSM CODE 409																					
'Ah"AZHOLE TOP ANGLE												vkjs[A d-DRAWING NO. 45216201528						iquREV. 00			
INSTRUMENT PANEL VM12 1196 HIGH x 820 WIDE												i="B d_ SHT. No. 01				i="Bksa dh la;k NO. OF SHT. 01					

1645641/2023/HEP-SWM20961

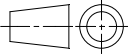
REV.	DATE	CHECKED	REV.	DATE	ALTERED	ADDITIONAL
					CHECKED	INFORMATION
		APPROVED			APPROVED	
						STATUS OF DRAWING B
						DISTRIBUTION OF PRINTS O.C.-1 SWM-3 TCX-1



## DEVELOPMENT OF ITEM 001

## NOTE :-

ALL DIMNESIONS ARE TO BE LIMITED WITHIN TOLERANCE  $\pm 0.2$ 

	001	2TK.x64x742 LG. CRC STEEL SHEET		AA1011715112	KG.	0.723														
				AA10115		001														
REMARKS	ITEM NO.	DESCRIPTION	STD	MATL. CODE	UNIT	UNIT WT.														
				MATL. SPCN.		QTY.														
28 → CARD TYPE-3		28 → CARD TYPE-1		28 → CARD TYPE-2																
<div><div><div><div>बी एच ई एल</div><div>BHEL</div></div></div><div><div>HAKjr gsoh bysDV&amp;hdYl fyfeVsM</div><div>HAKsikY</div><div>BHARAT HEAVY ELECTRICALS LTD.</div><div>BHOPAL</div></div><table><tr><td>uke NAME</td><td>gLrk_ SIGN</td><td>fnuakd DATE</td><td>osfj_ dh la[k NO. OF VAR.</td></tr><tr><td>cuk;k DRN SANDEEP</td><td>Sd/-</td><td>30.04.14</td><td rowspan="3">-</td></tr><tr><td>tkapk CKD RG</td><td>Sd/-</td><td>30.04.14</td></tr><tr><td>vugeksfmr APPD MAK</td><td>Sd/-</td><td>30.04.14</td></tr></table></div>							uke NAME	gLrk_ SIGN	fnuakd DATE	osfj_ dh la[k NO. OF VAR.	cuk;k DRN SANDEEP	Sd/-	30.04.14	-	tkapk CKD RG	Sd/-	30.04.14	vugeksfmr APPD MAK	Sd/-	30.04.14
uke NAME	gLrk_ SIGN	fnuakd DATE	osfj_ dh la[k NO. OF VAR.																	
cuk;k DRN SANDEEP	Sd/-	30.04.14	-																	
tkapk CKD RG	Sd/-	30.04.14																		
vugeksfmr APPD MAK	Sd/-	30.04.14																		
foHAKx DEPT SWE	vu_ Vky_ uki dh Js.kh UNTOL.DIMS. GR. M AA0230208		vuqikr SCALE 1:1	HAKj fd_xk_— WEIGHT (K.G.)	vis_M&kbZax dk lanHAZ REF. TO ASSY. DRG. 15216201556	en d_— ITEM NO. 007	en la[k;k NO. OF ITEM 001													
'Ah"AZHLE BOTTOM ANGLE INSTRUMENT PANEL VM12 1196 HIGH x 820 WIDE				vkjs[A d—DRAWING NO. 45216201529			iquREV. 00													
				i="B d—SHT. No. 01		i="Bksa dh la[k;k NO. OF SHT. 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

REF. DRG. NO.

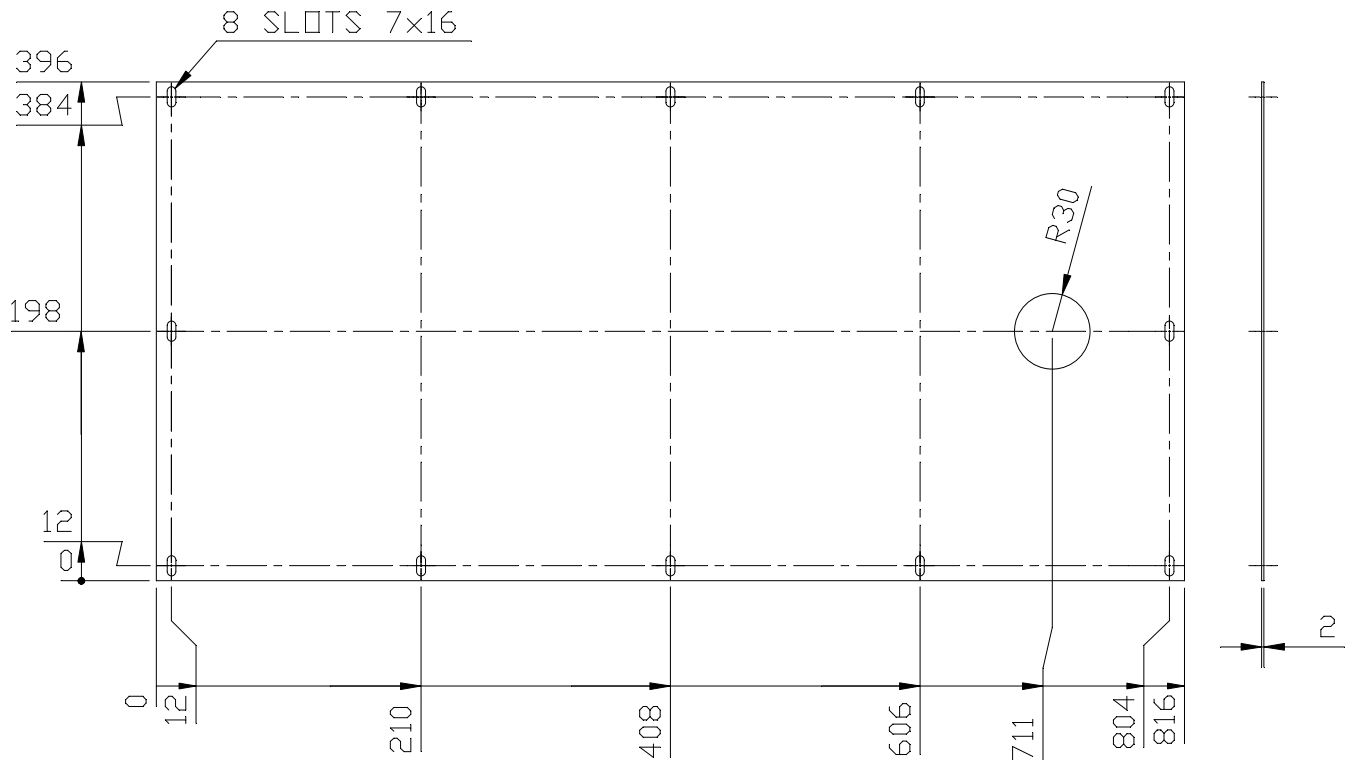
SIGN. &amp; DATE

INVENTORY NO.

1645641/2023/HEP-SWM20961

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

REV.	DATE	ALTERED CHECKED	REV.	DATE	ALTERED CHECKED APPROVED	ADDITIONAL INFORMATION
		APPROVED				STATUS OF DRAWING B
						DISTRIBUTION O.C.-1 SWM-3 OF PRINTS TCX-1



NOTE :- ALL DIMENSIONS ARE TO BE LIMITED

WITHIN TOLERANCE  $\pm 0.2$ .


FINISH :-

TO BE EPOXY POWDER COATED TO PRS. NO. AA0674124  
FOR COLOUR SHADE & THICKNESS REFER MID.

REF. DRG. NO.

SIGN. &amp; DATE

INVENTORY NO.

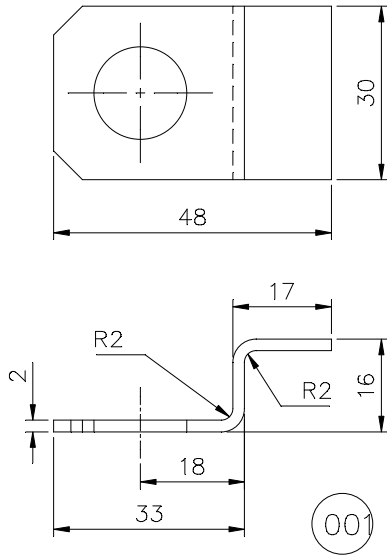
	001	2TK.x396x816 LG. HRC STEEL SHEET		AA1011715112		KG.	5.029
				AA10115			001
REMARKS	ITEM NO.	DESCRIPTION	STD	MATL. CODE	54	UNIT	UNIT WT.
				MATL. SPCN.			QTY.
28 → CARD TYPE-3	28 → CARD TYPE-1	28 → CARD TYPE-2					
 BHARAT HEAVY ELECTRICALS LTD. BHOPAL				NAME	SIGN	DATE	dh
				DRN	Sd/-	01.05.14	ND. OF VAR.
				CKD	Sd/-	01.05.14	
				APPD	Sd/-	01.05.14	
foHAKx DEPT SWE	vu_ Vky_ uki dh Js.kh UNTOL.DIMS. GR.		vuqikr SCALE	HAKj fd_xk- WEIGHT (K.G.)	vis_M&kbZax dk lanHAZ REF. TO ASSY. DRG.	en d- ITEM NO.	en la;k NO. OF ITEM
409	-		1:5	5.029	15216201556	002	001
'Ah"AZOE TOP COVER INSTRUMENT PANEL FOR TOP LT CHAMBER 806 HIGH x 820 WIDE					vkjs[A d-DRAWING NO. 45216201532		iquREV. 00
					i="B d-SHT. No. 01	i="Bkso dh la;k OF SHT. 01	

FIRST ANGLE PROJECTION

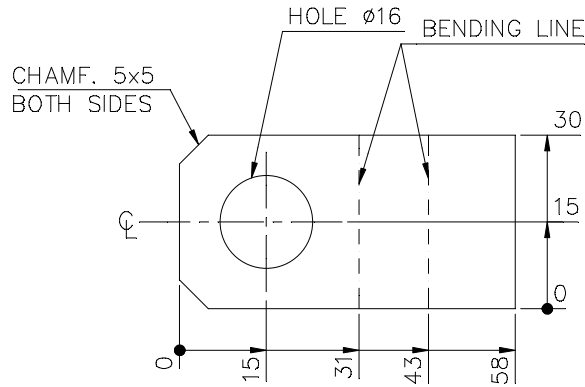
(ALL DIMENSIONS ARE IN mm) 59/209

1645641/2023/HEP-SWM20961

1/2023/HEP-SWM20961											
REV.	DATE	ALTERED CHECKED	AKN PKN	REV.	DATE	ALTERED CHECKED	AKN RRR	ADDITIONAL INFORMATION			
02	14.09.12	APPROVED	MAK	03	23.01.15	APPROVED	HRP				
ITEM 002 MODIFIED.				NOTE ADDED.				STATUS OF DRAWING B			
(DCA NO. 31304)				(DCA NO. 32875)				DISTRIBUTION O.C.-1 SWM-3 OF PRINTS TCX-1			
REV.	DATE	ALTERED AT		REV.	DATE	ALTERED AT		REV.	DATE	ALTERED SKG	
04	09.11.19	CHECKED AT		05	12.08.20	CHECKED AT		06	25.06.22	CHECKED AT	
		APPROVED AD				APPROVED AD				APPROVED AD	
ITEM 003 ADDED (DCA NO. 36269)				ITEM 004 & SHEET 04 ADDED. (DCA NO. 36776)				ITEM 005 & SHEET 05 ADDED. (DCA NO. 37678)			



NOTES:-  
UNSPECIFIED TOLERANCES SHALL BE -  
1. FOR MACHINING MEDIUM - AA 0230208.  
2. FOR SHEARING OF SHEET - AS PER AA 0230409.  
FINISH:-  
1. EPOXY POLYSTER POWDER COATING TO AA 0674124.  
2. FOR SHADE NO. REFER-ENG SPEC./MID.



DEVELOPMENT OF ITEM 001

005	2TK × 30 × 89 HRCS SHEET	AA1011713110	KG.	0.041
004	2TK × 30 × 74 HRCS SHEET	AA1011713110	KG.	0.034
003	2TK × 30 × 66 HRCS SHEET	AA1011713110	KG.	0.030
002	2TK × 30 × 63 HRCS SHEET	AA1011713110	KG.	0.030
001	2TK × 30 × 58 HRCS SHEET	AA1011713110	KG.	0.027
REMARKS	ITEM NO.	DESCRIPTION	MATL. CODE	UNIT WT.
28	28	28	28	28



HAKjr gsosh bysDV&hdYl fyfeVsM  
HAKsiky  
BHARAT HEAVY ELECTRICALS LTD.  
BHOPAL

uke NAME	qlrk SIGN	fnugkd DATE	osfj_ dh la; k ND. OF VAR.
cuk; k DRN R. RAJORE			
tkapk CKD S. KUMAR			
vugksfmr APPD INDRAPAL			

foHAKx DEPT SWE	vu_ Vky_ uki dh Js.kh UNTOL.DIMS. GR. M AA0230208		vuqikr SCALE 1:1	HAKj fd_xk_— WEIGHT (KG.)	vis_M&kbZax dk lanHAZ REF. TO ASSY. DRG. 15219002510	en d— ITEM NO.	en la; k ND. OF ITEM
dkSM CODE 409							
'Ah"AZD.E					vkjs[A d—DRAWING NO. 4 521 9002 542		iquREV. 06
LAMP SWITCH MOUNTING BRACKET					i="B d—SET. No. 01		i="Bkso dh la; k OF SHT. 05



164

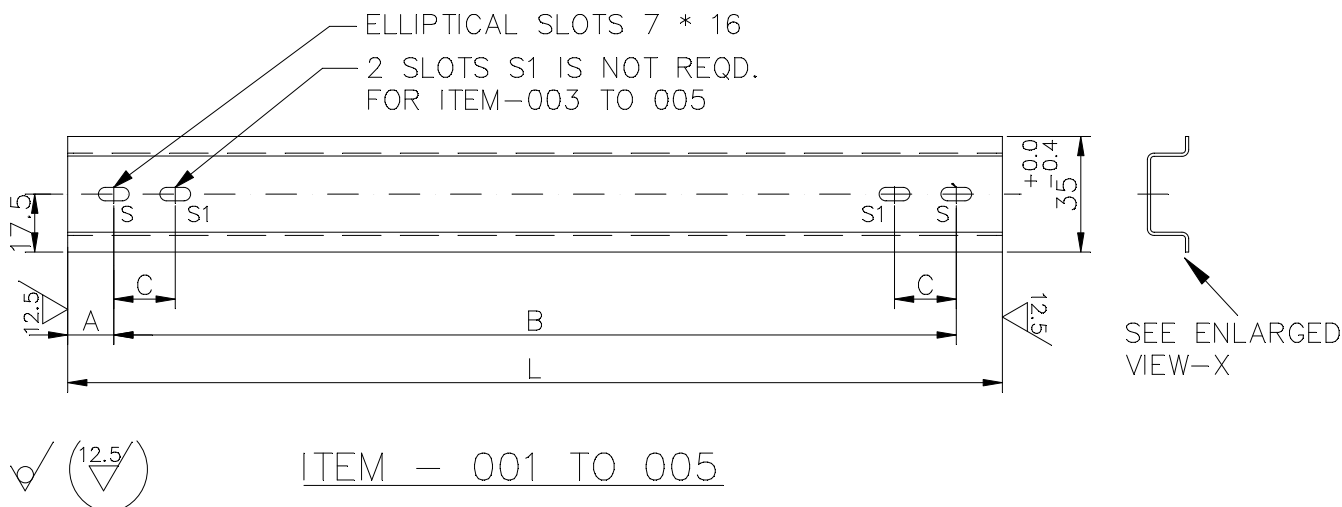
IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO THE INTEREST OF

REF. DRG. NO.

SIGN. &amp; DATE:

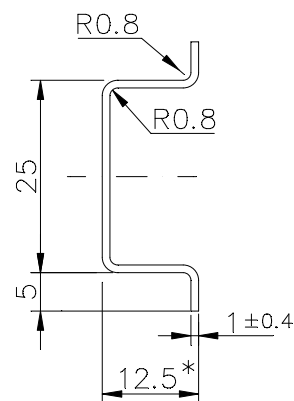
INVENTORY NO.

REV.	DATE	ALTERED	श्रीवास्तव प्रेकु	REV.	DATE	ALTERED	श्रीवास्तव प्रेकु	ADDITIONAL INFORMATION	STANDARD
5641/023/HEP	2023	MAK		01	29 FEB 2016	CHECKED P.P			
	2017	APPROVED	MAK			APPROVED	P.K.U.	STATUS OF DRAWING	-
1. NO. OF ELLIPTICAL SLOT WERE DIFFERENT IN ITEM-001, 002 & 003 2. ITEM NO. 004 TO 005 ADDED.				PROFILE OF CHANNEL WAS DIFFERENT.				OFFICE COPY - 1 NO. SWM - 4 NOS. TCX (SWM) - 1 NO.	



## DIMENSION TABLE

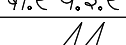
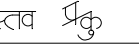
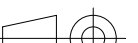
ITEM NO.	DIMENSIONS				CHANNEL USED FOR
	L	A	B	C	
001	625	15	595	104	700W—VM12, GIS
002	700	15	670	60	820W—VM12, OUTDOOR & CRP
003	1000	15	970	—	CRP
004	450	75	300	—	OLTC
005	470	15	440	—	GIS



ENLARGED VIEW-X

* DIMENSION 12.5 IS NOT VERY CRITICAL & IT CAN BE CHANGED AS PER SUPPLIER'S CONVENIENCE	
---	--

FINISH FOR ITEM-001 TO 005 :-  
ZINC PLATE & PASSIVATE (0.015TK) AS PER  
AA0673603 & AA0673604

बी.एच.ई.एल. 		<b>भारत हैवी इलेक्ट्रिकल्स लिमिटेड, भोपाल</b> BHARAT HEAVY ELECTRICALS LTD. BHOPAL		uke / NAME प्रवीण कुमार प्रियास्त्व प्रकु		gLrk_ /SIGN 		fn_ /DATE 26FEB16		osfj dh la[;k NO.OF VAR.	
				kuk; k DRN.							
				tkapk CKD.		P.P.					
				Lohd=r APPD.		P.K.U.					
OHakx JK_MW. bZ DEPT. SWE		vu_Vky_uki dh Js.kh UNTOL. DIMS. GR.				vuqikr SCALE		HAKj(fdzk_) WEIGHT(KG)		vls_M&kbox dk lanHAZ REF.TO ASSY.DRG.	
dksM CODE 409		REF. CG 06503		N.T.S.		--		--		en d_ ITEM NO.	
										en la[;k NO.OF ITEM 005	
kh"AZd /TITLE <b>DIN—RAIL FOR MOUNTING OF TB's, MCBs &amp;          OTHER INDUSTRIAL CONTROL EQUIPMENTS</b>						M&kbox d_ /DRAWING NO. 4 561 11 5 0134					
						iku_ /REV 02					
						'khV_d /SHT.NO 01		'khVksa dh/NO.OF.SHT. 02			

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.

1645641/2023/HEP-SWM20961

REV. 01

DATE 29 FEB 2016

ALTERED P.P  
APPROVED P.K.U.

ADDITIONAL INFORMATION STANDARD

STATUS OF DRAWING -

DISTRIBUTION OF PRINTS

OFFICE COPY - 1 NO.  
SWM - 4 NOS.  
TCX (SWM) - 1 NO.



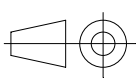
1. NO. OF ELLIPTICAL SLOT WERE DIFFERENT IN ITEM-001 ,002 & 003

2. ITEM NO. 004 TO 005 ADDED.

PROFILE OF CHANNEL WAS DIFFERENT.

ALTERNATE MATERIAL :-

35 \* 7.5 \* REQUIRED LENGTH STEEL SECTION (DIN RAIL) DIN EN50022

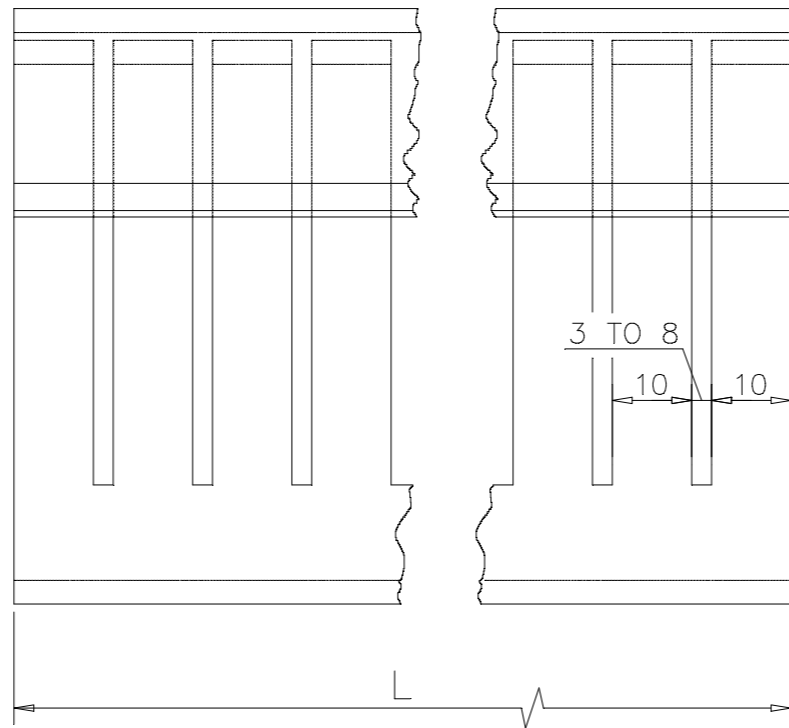
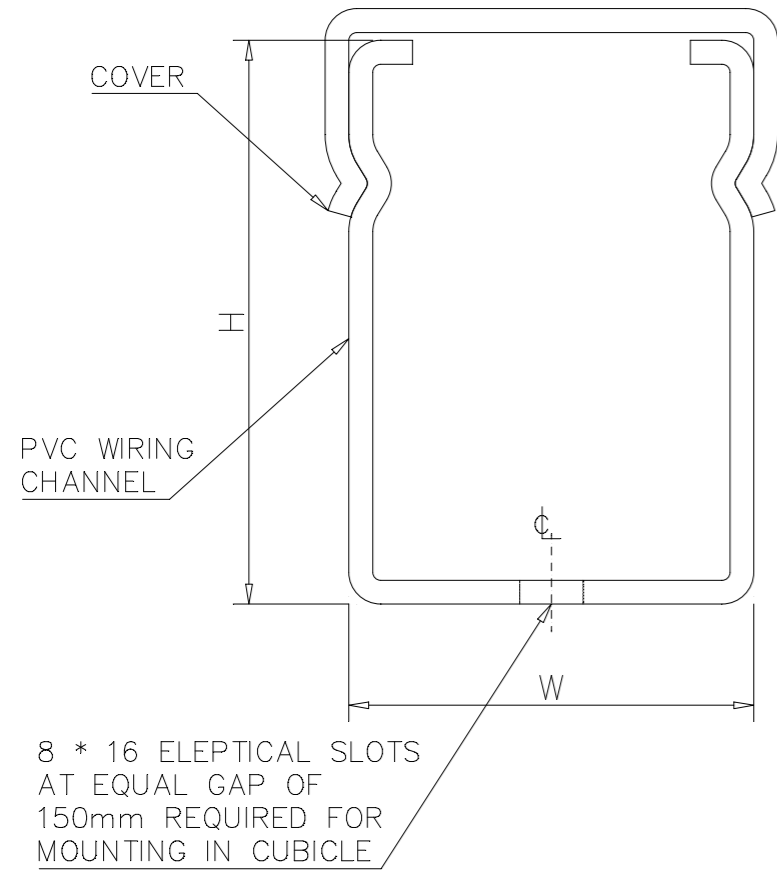
DUMMY GES NO. 409 56 7371 SL. NO. 0005	005	DIN-RAIL, 470 LG. 1 TK * 54 W * 470 LG C.R.C. STEEL SHEET	1	AA 101 17 15 074 AA10115	A	MM	0.201 KG. --	
DUMMY GES NO. 409 56 7371 SL. NO. 0004	004	DIN-RAIL, 450 LG. 1 TK * 54 W * 450 LG C.R.C. STEEL SHEET	1	AA 101 17 15 074 AA10115	A	MM	0.192 KG. --	
DUMMY GES NO. 409 56 7371 SL. NO. 0003	003	DIN-RAIL, 1000 LG. 1 TK * 54 W * 1000 LG C.R.C. STEEL SHEET	1	AA 101 17 15 074 AA10115	A	MM	0.427 KG. --	
DUMMY GES NO. 409 56 7371 SL. NO. 0002	002	DIN-RAIL, 700 LG. 1 TK * 54 W * 700 LG C.R.C. STEEL SHEET	1	AA 101 17 15 074 AA10115	A	MM	0.299 KG. --	
DUMMY GES NO. 409 56 7371 SL. NO. 0001	001	DIN-RAIL, 625 LG. 1 TK * 54 W * 625 LG C.R.C. STEEL SHEET	1	AA 101 17 15 074 AA10115	A	MM	0.267 KG. --	
REMARKS	ITEM NO.	DESCRIPTION	STD	MATL. CODE MATL. SPECN.	A C	UNIT	UNIT WT. QTY.	
<div><div><div>बी.एच.ई.एल.</div><div></div></div><div><div>भारत हैवी इलेक्ट्रिकल्स लिमिटेड, भोपाल</div><div>BHARAT HEAVY ELECTRICALS LTD. BHOPAL</div></div></div>				cuk;k DRN. tkapk CKD. Lohd=r APPD.	uke / NAME प्रवीण कुमार श्रीवास्तव प्रकु	gLrk_ /SIGN	fn_ /DATE 26FEB16	osfj dh la[:k NO.OF VAR.
				P.P.		26FEB16	--	
				P.K.U.		26FEB16	--	
foHAKx DEPT. SWE dksM CODE 409	vu_Vky_uki dh Js.kh UNTOL. DIMS. GR. REF. CG 06503		vuqikr SCALE N.T.S.	HAKj(fdzk_) WEIGHT(KG) --	vis_M&kbox dk lanHAZ REF.TO ASSY.DRG. --	en d_ ITEM NO. --	en la[:k NO.OF ITEM 005	
'kh"AZd/ TITLE DIN-RAIL FOR MOUNTING OF TB's, MCBs & OTHER INDUSTRIAL CONTROL EQUIPMENTS					M&kbox d_ /DRAWING NO. 4 561 11 5 0134		iqu_ /REV 02	
					'khV_d /SHT.NO 02		'khVksa dh/NO.OF.SHT. 02	

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 &amp; DATE

INVENTORY NO.



ITEM - 001 TO 013


## DIMENSION TABLE

ITEM NO.	DIMENSIONS		
	W	H	L
001	15	25	1000
002	25	40	1000
003	40	40	1000
004	40	60	1000
005	60	60	1000
006	60	80	1000
007	25	30	1000
008	45	45	1000
009	45	60	1000
010	30	45	1000

NOTES :-

1. COLOR – LIGHT GREY TO SHADE NO. 631 OF IS:5
2. THERMAL PROPERTIES :–
  - PVC MATERIAL SHOULD WITHSTAND TEMPERATURE MINIMUM 75° FOR 4 HOURS.
  - AFTER HEATING IT SHOULD NOT SHOW ANY DECOMPOSITION.
  - LOSS IN WEIGHT AFTER HEATING MAXIMUM 3%.
3. ELECTRICAL PROPERTIES :–
  - SHOULD WITH STAND 2KV FOR ONE MINUTE
  - VOLUME RESISTIVITY – 10 OHMS–C.M. MIN.
4. MECHANICAL PROPERTIES :–
  - COMPRESSIVE STRENGTH – 540 KG PER SQ. C.M.
5. DIMENSIONS SHOWN IN THIS DRAWING ARE NOT VERY CRITICAL AND CAN BE SLIGHTLY CHANGED SUBJECT TO BHEL APPROVAL.
6. SUPPLIER SHOULD SUPPLY TEST PIECES ALONG WITH THE SUPPLY.

013	WIRING CHANNEL WITH COVER, 45 W * 60 H * 700 LG	3	--	—	BP 9048107008	A	NO.	.	—	—
				—	SG 12201					
012	WIRING CHANNEL WITH COVER, 30 W * 45 H * 700 LG	3	--	—	BP 9048106990	A	NO.	.	—	—
				—	SG 12201					
011	WIRING CHANNEL WITH COVER, 25 W * 40 H * 700 LG	3	--	—	BP 9048106982	A	NO.	.	—	—
				—	SG 12201					
010	WIRING CHANNEL WITH COVER, 30 W * 45 H * 1000 LG	3	--	—	BP 9049118410	A	NO.	.	—	—
				—	SG 12201					
009	WIRING CHANNEL WITH COVER, 45 W * 60 H * 1000 LG	3	--	—	BP 9049118526	A	NO.	.	—	—
				—	SG 12201					
008	WIRING CHANNEL WITH COVER, 45 W * 45 H * 1000 LG	3	--	—	BP 9049118402	A	NO.	.	—	—
				—	SG 12201					
007	WIRING CHANNEL WITH COVER, 25 W * 30 H * 1000 LG	3	--	—	BP 9049119412	A	NO.	.	—	—
				—	SG 12201					
006	WIRING CHANNEL WITH COVER, 60 W * 80 H * 1000 LG	3	--	—	BP 9049119697	A	NO.	.	—	—
				—	SG 12201					
005	WIRING CHANNEL WITH COVER, 60 W * 60 H * 1000 LG	3	--	—	BP 9049119689	A	NO.	.	—	—
				—	SG 12201					
004	WIRING CHANNEL WITH COVER, 40 W * 60 H * 1000 LG	3	--	—	BP 9049119670	A	NO.	.	—	—
				—	SG 12201					
003	WIRING CHANNEL WITH COVER, 40 W * 40 H * 1000 LG	3	--	—	BP 90491196662	A	NO.	.	—	—
				—	SG 12201					
002	WIRING CHANNEL WITH COVER, 25 W * 40 H * 1000 LG	3	--	—	BP 9049119654	A	NO.	.	—	—
				—	SG 12201					
001	WIRING CHANNEL WITH COVER, 15 W * 25 H * 1000 LG	3	--	—	BP 9049119646	A	NO.	.	—	—
				—	SG 12201					
ITEM NO	DESCRIPTION	QTY.	DRAWING NO.	IT.NO VAR	MATL. CODE MATL. SPECN.	A/C	UNIT	UNIT WT. QTY.	G.S.	ZONE

TYPE OF PRODUCT OR NAME OF PROJECT				STANDARD SUITABLE FOR ALL TYPE OF CUBICLES & BOXES									
<div><div>बी.एच.ई.एल.</div><div></div></div>		BHARAT HEAVY ELECTRICALS LIMITED BHOPAL						CARD CODE --		RE NO. 10			
DEPT.		CODE		TITLE PVC — WIRING CHANNEL WITH COVER						NO.OF SHEETS 0			
										SHEET NO. 0			
SWE		409		SCALE N.T.S.		WEIGHT --		UNTOL. DIMS. GR. REFER CG 06503 TABLE 2.5-1		W.O.NO. STANDARD		DRG. NO.3 509 50 0 1536	