

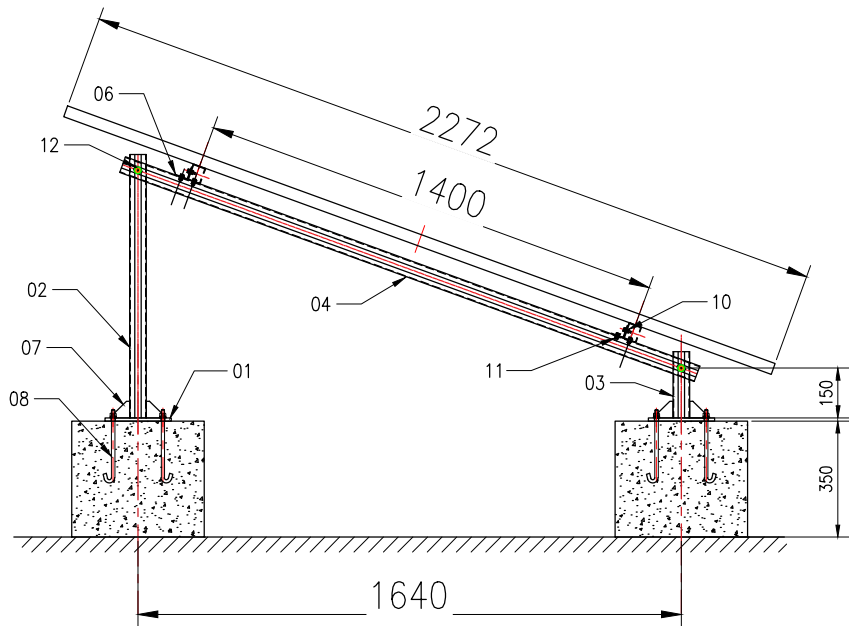
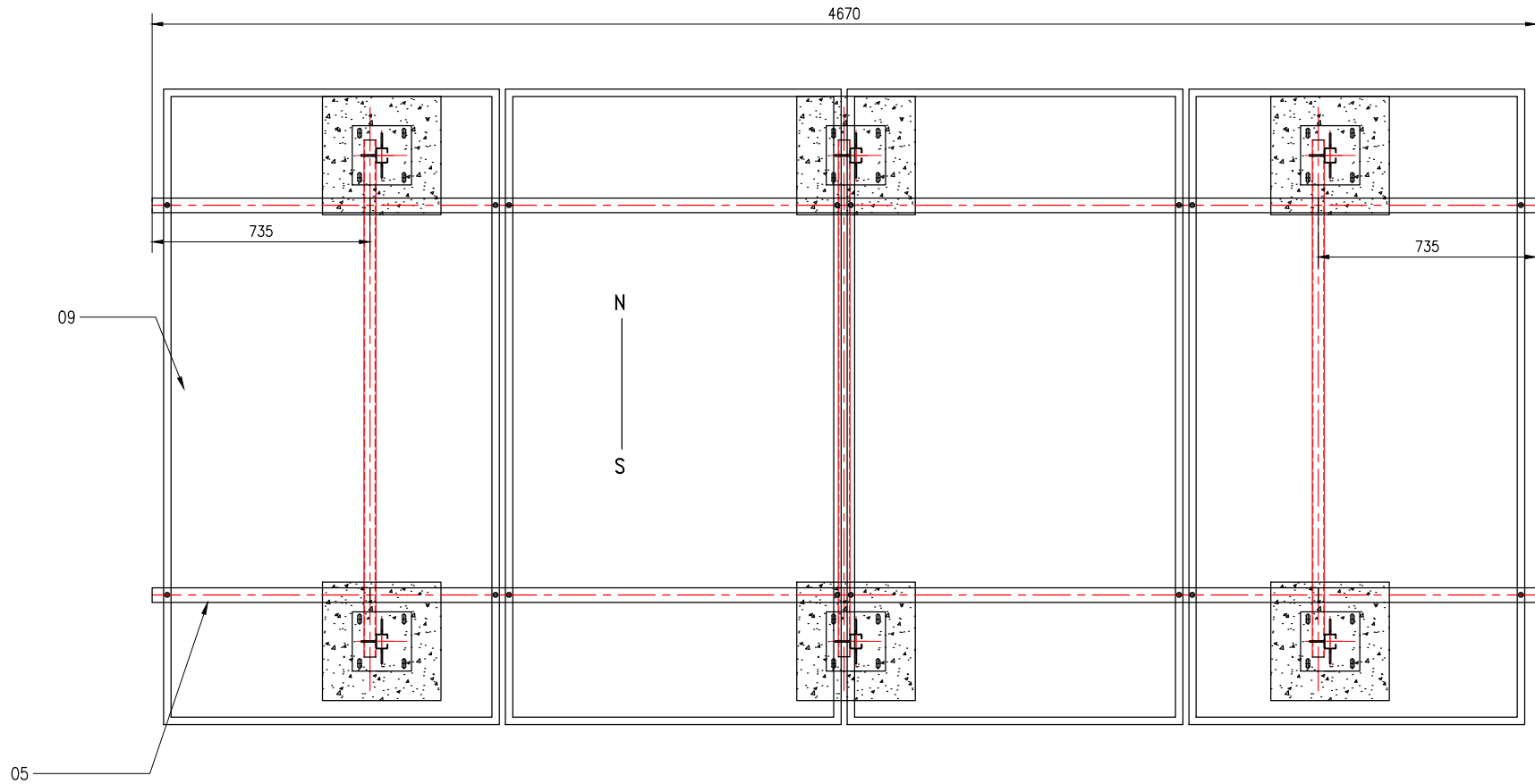
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INVENTORY NO. SIGN. & DATE REF. DRG. NO.

10000ZZ00001  
DRAWING NO.

First Angle Projection

All Dimensions in 'mm'



VAR 00

NOTES:(This note has to be read alongwith the Bill of material).

- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
- DO NOT SCALE THE DRAWING ONLY WRITTEN DIMENSIONS TO BE READ.
- DIMENSIONS FOR COLD ROLLED STEEL ANGLE/CHANNEL SECTIONS SHALL BE IN ACCORDANCE WITH BOM.
- DIMENSIONS OF PLATES, FLAT BARS SHALL CONFORM TO IS:1730.
- FABRICATION AND ERECTION SHALL BE CARRIED OUT IN ACCORDANCE WITH IS:800 AND IS:801.
- ALL MMS MEMBERS TO BE HOT DIP GALVANISATED IN ACCORDANCE WITH IS:2629-1985 AND IS 4759. HOWEVER THE MINIMUM GALVANIZATION THICKNESS TO BE 80 MICRONS AT ANY POINT.
- NO WELDING ON ANY MEMBER.
- GENERAL ASSEMBLY TOLERANCE LINEAR +/- 2MM.
- GENERAL ASSEMBLY TOLERANCE ANGULAR +/- 1.
- HOLE SIZES ARE SHOWN AFTER GALVANIZATION /TOLERANCE.
- REMOVE ALL SHARP AND BURR EDGES.

| GENERAL TOLERANCES                                                         |                   |                                            |
|----------------------------------------------------------------------------|-------------------|--------------------------------------------|
| 1                                                                          | End Security:     | +/- 2 mm                                   |
| 2                                                                          | CD of Slot        | +/- 2 mm                                   |
| 3                                                                          | CD of Hole        | +/- 2 mm                                   |
| 4                                                                          | Hole Dia          |                                            |
|                                                                            | <10 mm            | +/- 0.4 mm                                 |
|                                                                            | >=10 mm           | +/- 0.5 mm                                 |
| 5                                                                          | Slot Dimensions   |                                            |
|                                                                            | <10 mm            | +/- 0.5 mm                                 |
|                                                                            | >=10 mm <30 mm    | +/- 0.8 mm                                 |
|                                                                            | >=30 mm           | +/- 1.0 mm                                 |
| No positive tolerance is permitted in PV module mounting slots on purlins. |                   |                                            |
| 6                                                                          | Length            | +/- 1 mm/m                                 |
| 7                                                                          | Section Geometry  | As per IS 811                              |
| 8                                                                          | Straightness      | >1/600 of length both axis (As per IS 811) |
| 9                                                                          | Angular Tolerance | +/- 2 degrees                              |
| 10                                                                         | Thickness         | -0.05 mm to 1 mm                           |

BILL OF MATERIAL

| IT.NO.                      | DESCRIPTION                                        | QTY VAR00 | UNIT |
|-----------------------------|----------------------------------------------------|-----------|------|
| 012                         | NUTS & Bolt M8x35 Long (SS-304) WITH SPRING WASHER | 6         | NOS. |
| 011                         | NUTS & Bolt M6x25 Long (SS-304) WITH SPRING WASHER | 18        | NOS. |
| 010                         | NUTS & Bolt M6x25 Long (SS-304) WITH SPRING WASHER | 16        | NOS. |
| 009                         | SPV Module                                         | 4         | NOS. |
| 008                         | J Bolt M10x200 Long WITH NUTS AND SPRING WASHER    | 24        | NOS. |
| 007                         | RIB PLate - 50X50x5.0 Thk                          | 18        | NOS. |
| 006                         | L Angle Coupler: 40x40x2.0Thk                      | 6         | NOS. |
| 005                         | Purlin C Lip: 50CS40x1.6 Lip10                     | 2         | NOS. |
| 004                         | Rafter C Lip: 50CS40x2.0 Lip15                     | 3         | NOS. |
| 003                         | Column Front C Lip: 50CS40x2.0 Lip15               | 3         | NOS. |
| 002                         | Column Back C Lip: 50CS40x2.0 Lip15                | 3         | NOS. |
| 001                         | Base Plate 200x200x10 Thk                          | 6         | NOS. |
| Total weight per Table (KG) |                                                    |           |      |

CUSTOMER  
GENERAL

BHARAT HEAVY ELECTRICALS LTD.  
RUDRAPUR

TITLE  
Module Mounting Structure

SCALE  
ORDER / ENQUIRY NO.

DRAWING NO.  
33002200001

REV.  
00

SIZE -A2

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SIGN. & DATE

INVENTORY NO.

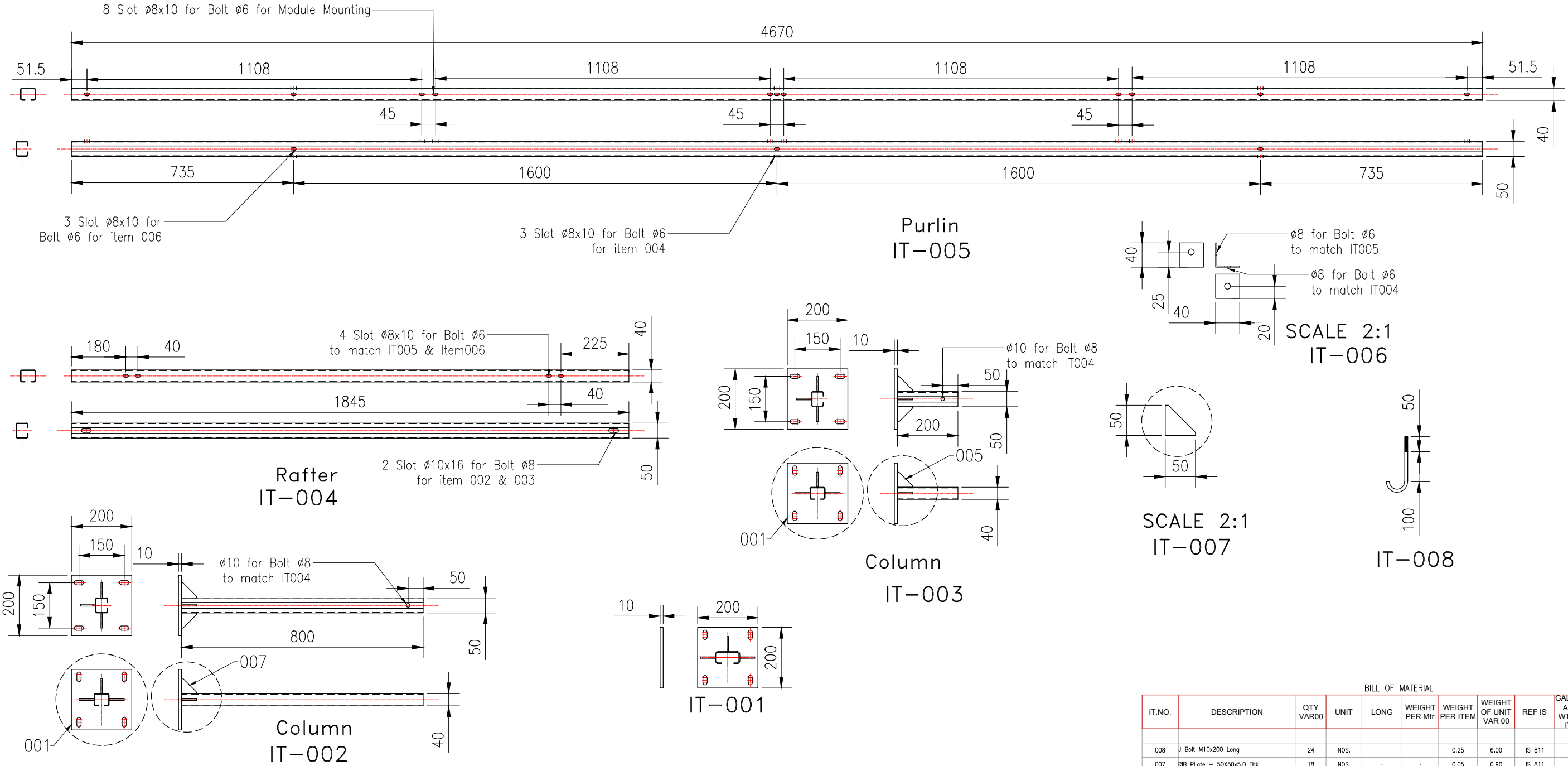
REF. DRG. NO.

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DRAWING NO.

First Angle Projection

All Dimensions in 'mm'



#### NOTES :-

- ALL HOT ROLLED STEEL MATERIAL ARE E250 TO IS:2062
- ALL COLD FORM STEEL MATERIAL ARE FE 250 TO IS:811
- ALL WELDING SHALL BE 5MM FULL FILLET, UNLESS OTHERWISE SPECIFIED. WELDING SHALL BE DONE ONLY BETWEEN PLATE, RIB FOR ITEMS 002 & 003
- NO WELDED JOINTS ALLOWED.
- AVG. GALVANIZATION THICKNESS 80 MICRONS. UNLESS OTHERWISE NOTED.
- FOR VAR-00 : ALL JOINTS WILL BE FULL WELDED WITH 5MM FILLET.

| REV. | DATE | ALTERED | CHECKED | DISTRIBUTION OF PRINTS |          |          |       | DEPT. |      | CODE |   |
|------|------|---------|---------|------------------------|----------|----------|-------|-------|------|------|---|
| -    | -    | -       | -       | -                      | -        | -        | -     | -     | -    | -    | - |
|      |      |         |         | NAME                   | SIGN     | DATE     | DEPT. |       | CODE |      |   |
|      |      |         |         | DRN                    | DILIP    | 09.05.22 | REG   |       | -    |      |   |
|      |      |         |         | CKD                    | ALOK     | 09.05.22 |       |       |      |      |   |
|      |      |         |         | APPD                   | S MALICK | 09.05.22 |       |       |      |      |   |

#### BILL OF MATERIAL

| IT.NO.                      | DESCRIPTION                          | QTY VAR00 | UNIT | LONG | WEIGHT PER Mtr | WEIGHT PER ITEM | WEIGHT OF UNIT VAR 00 | REF IS | GALVANIZ AION WT. PER ITEM | WT WITH GALVNIZING |
|-----------------------------|--------------------------------------|-----------|------|------|----------------|-----------------|-----------------------|--------|----------------------------|--------------------|
| 008                         | J Bolt M10x200 Long                  | 24        | NOS. | -    | -              | 0.25            | 6.00                  | IS 811 | 0.0                        | 6.00               |
| 007                         | RIB PLate - 50X50x5.0 Thk            | 18        | NOS. | -    | -              | 0.05            | 0.90                  | IS 811 | 0.0                        | 0.90               |
| 006                         | L Angle Coupler: 40x40x2.0Thk        | 6         | NOS. | 40   | 1.19           | 0.05            | 0.29                  | IS 811 | 0.01                       | 0.35               |
| 005                         | Purlin C Lip: 50CS40x1.6 Lip10       | 2         | NOS. | 4670 | 1.71           | 7.99            | 15.97                 | IS 811 | 0.92                       | 17.81              |
| 004                         | Rafter C Lip: 50CS40x2.0 Lip15       | 3         | NOS. | 1845 | 2.24           | 4.13            | 12.40                 | IS 811 | .36                        | 13.48              |
| 003                         | Column Front C Lip: 50CS40x2.0 Lip15 | 3         | NOS. | 200  | 2.24           | 0.45            | 1.34                  | IS 811 | 0.04                       | 1.46               |
| 002                         | Column Back C Lip: 50CS40x2.0 Lip15  | 3         | NOS. | 800  | 2.24           | 1.79            | 5.38                  | IS 811 | 0.16                       | 5.86               |
| 001                         | Base Plate 200x200x10 Thk            | 6         | NOS. | -    | -              | 3.14            | 18.84                 | IS 811 | 0.03                       | 19.02              |
| Total weight per Table (KG) |                                      |           |      |      |                |                 | 61.12                 |        |                            | 64.88              |

CUSTOMER  
GENERAL

BHARAT HEAVY ELECTRICALS LTD.  
RUDRAPUR

TITLE  
Module Mounting Structure

SCALE  
-

ORDER / ENQUIRY NO.

DRAWING NO.

33002200001

REV.

00

CARD  
CODE

-

NO. OF  
SHTS

02

SHT NO.

01

REV.

00

SIZE -A2