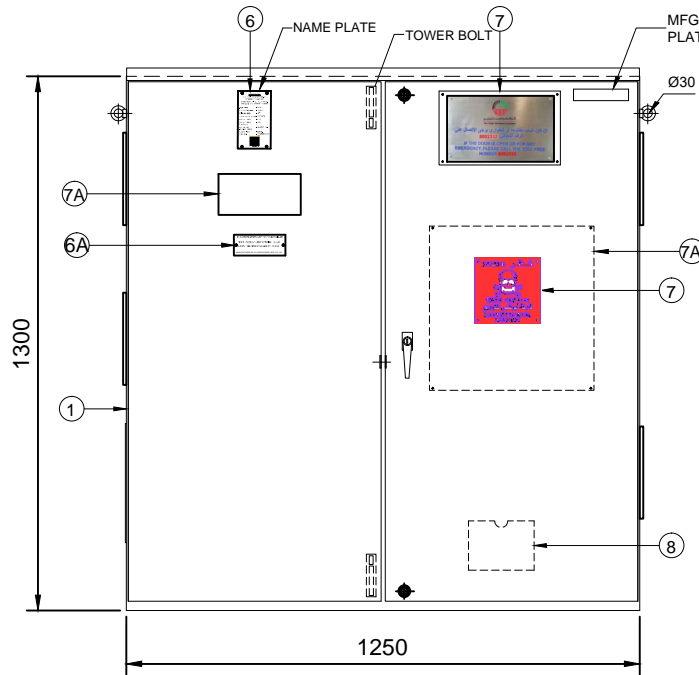
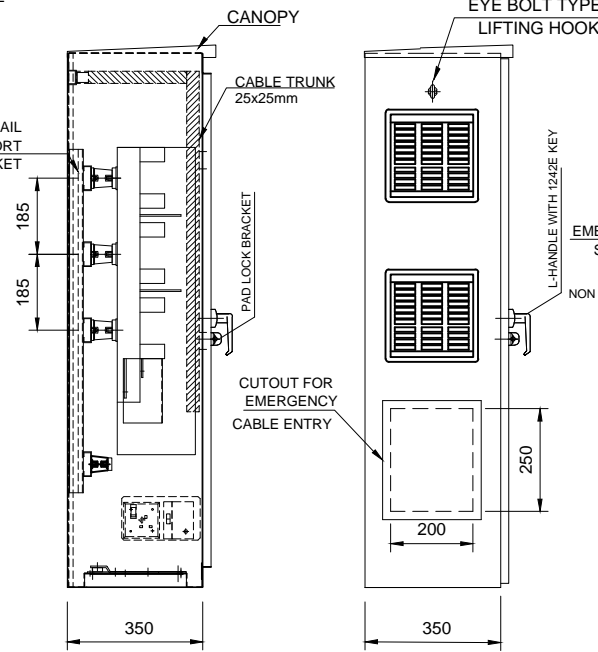




Technical Drawing

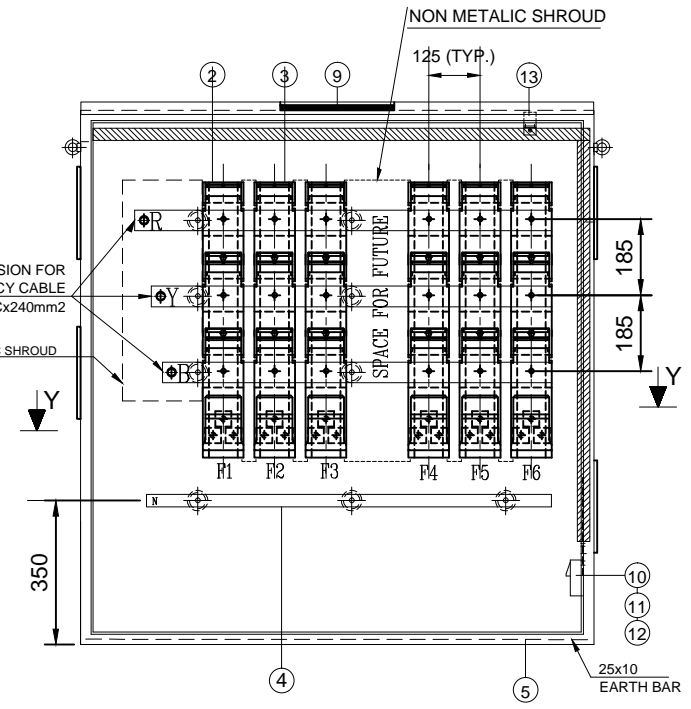


FRONT ELEVATION WITH DOOR

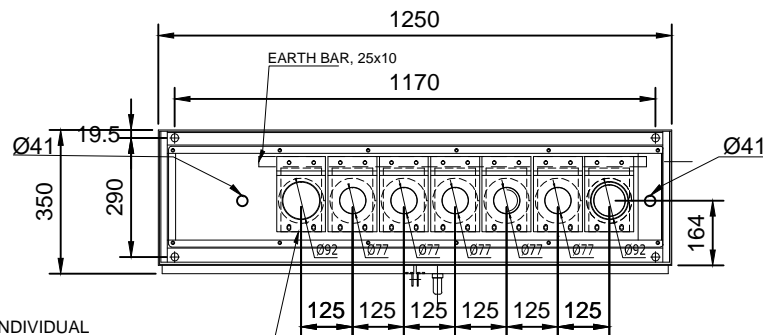


SIDE VIEW

SIDE VIEW



FRONT ELEVATION WITHOUT DOOR



GLAND FIXING ARRANGEMENT

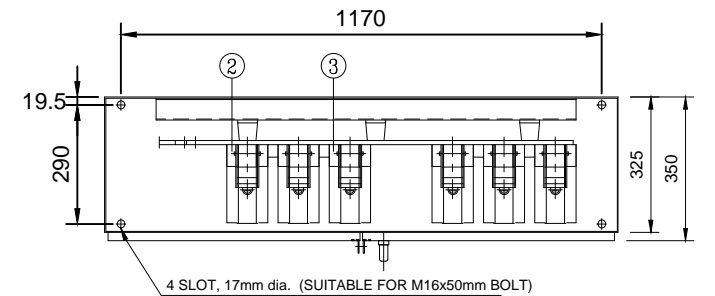
INDIVIDUAL KNOCK OUT TYPE GLAND PLATE, F1 - F6



QTY: 300 Nos.

ITEM NO. 83728

(RFQ LINE ITEM #2)



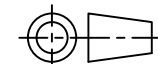
SECTION 'YY'

| REV | DATE | DESCRIPTION | DRN. DT. | CHD. DT. |
|-----|----------|-------------------------|----------|----------|
| 01 | 15.11.23 | REVISED AS PER COMMENTS | SS | RGP |
| 00 | 06.11.23 | ISSUED FOR APPROVAL | SS | RGP |

| | |
|-------------------|---------------------------------------|
| EMPLOYER:- | |
| END CLIENT:- | M/S. ABU DHABI DISTRIBUTION CO. L.L.C |
| CLIENT:- | |
| PROJECT:- | ADDC TENDER-D19890821 |
| CONSULTANT:- | |
| MAIN CONTRACTOR:- | |

| | |
|---|---|
| ENQ.NO:- | SNS No. :- |
| TITLE:- | GENERAL ARRANGEMENT - FEEDER PILLAR (6WAY TYPE-A) |
| AI HASSAN SWITCHGEAR COMPANY P.O. Box 130, P.C. 115, Sultanate of Oman | |

| | |
|---------------|--|
| N.W.R No. :- | ALL DIMNS. IN MM. SUBJECT TO GEN. ENG. TOLERANCES SCALE : NTS. |
| DRAWING No.:- | AHSN 1406.7-01 |
| SHEET NO:- | 1 OF 2 |



| ITEM | DESCRIPTION | MAKE / TYPE / COUNTRY OF ORIGIN | RATING/SIZE | QTY. |
|------|---|---|--------------------|------|
| 1 | GRP ENCLOSURE FORM-2 | LLOYDS (UAE) / APP. MAKE | 1250x1300x350 | 1 |
| 2 | FUSE LOAD BREAK SWITCH (F1 & F6) WITH PADLOCK (VERTICAL SINGLE POLE SWITCHABLE) | PRONUTEC, BTVC NH3 630A (SPAIN) / APP. MAKE | SIZE-3, 630A | 2 |
| | SOLID LINK (F1 & F6) | SIBA (GERMANY) / APP. MAKE | SIZE-3, 630A | 6 |
| 3 | FUSE LOAD BREAK SWITCH (F2 - F5) WITH PADLOCK (VERTICAL SINGLE POLE SWITCHABLE) | PRONUTEC, BTVC NH2 400A (SPAIN) / APP. MAKE | SIZE-2, 400A | 4 |
| | # HRC FUSE LINK (F2, F3) | - | 315A, SIZE-2 | 6 |
| | # HRC FUSE LINK (F4, F5) | - | 250A, SIZE-2 | 6 |
| 4 | MAIN BUS BAR (R-Y-B) | NUHAS (UAE) / APP. MAKE | 50x10mm | 3 |
| | NEUTRAL BUS BAR (N) | NUHAS (UAE) / APP. MAKE | 30x10mm | 1 |
| 5 | EARTH BAR | NUHAS (UAE) / APP. MAKE | 25x10mm | 1 |
| 6 | ADDC NAME PLATE | STAINLESS STEEL , GRADE-316 (UAE) | - | 1 |
| 6A | WARRANTY PLATE | STAINLESS STEEL , GRADE-316 (UAE) | - | 1 |
| 7 | DANGER & PROPERTY PLATE | STAINLESS STEEL , GRADE-316 (UAE) | - | 1 |
| 7A | BLANK PLATES OUTSIDE DOOR | STAINLESS STEEL , GRADE-316 (UAE) | **200(W)x100(H)mm | 1 |
| | WHITE BLANK PLATES INSIDE DOOR | ALUMINIUM SHEET (OMAN) | ***400(W)x400(H)mm | 1 |
| 8 | DRAWING / CARD INDEX POCKET | - | - | 2 |
| 9 | RECHARGEABLE TYPE LED TUBE LIGHT (PL) | REPUTED MAKE (UAE) | 230V | 1 |
| 10 | CONTROL FUSE BASE | HAGER, LSN501 (FRANCE) / APP. MAKE | 32A | 2 |
| | FUSE LINK (1F, 2F) | HAGER, LF316G (FRANCE) / APP. MAKE | 16A | 2 |
| 11 | SWITCH SOCKET (SS) | HAGER, (FRANCE) / APP. MAKE | 13A 240V, 3 PIN | 1 |
| 12 | ELCB (E) | WESTINGHOUSE, DCRR22530 (UAE) | 25A DP, 30mA | 1 |
| 13 | DOOR SWITCH (DS) | KAYCEE (INDIA) / APPD. MAKE | 10A, 240V | 1 |
| 14 | CABLE LUGS (BI-METALLIC TYPE CABLE LUG SUITABLE FOR ALUMINIUM CABLE) | APPLE INTERNATIONAL (INDIA) /APP. MAKE | 400 SQ. MM. | 8 |
| 15 | # CABLE LUGS (BI-METALLIC TYPE CABLE LUG SUITABLE FOR ALUMINIUM CABLE) | - | 300 SQ. MM. | 8 |
| | | - | 300 SQ. MM. | 8 |
| 16 | CABLE GLANDS FOR LOOP IN & OUT +EARTH TAG + PVC SHROUD | APPLE INTERNATIONAL (INDIA) /APP. MAKE | BW90S | 2 |
| 17 | # CABLE GLANDS FOR OUTGOING + EARTH TAG + PVC SHROUD | - | BW75S | 2 |
| | | - | BW75S | 2 |


NOTES:-

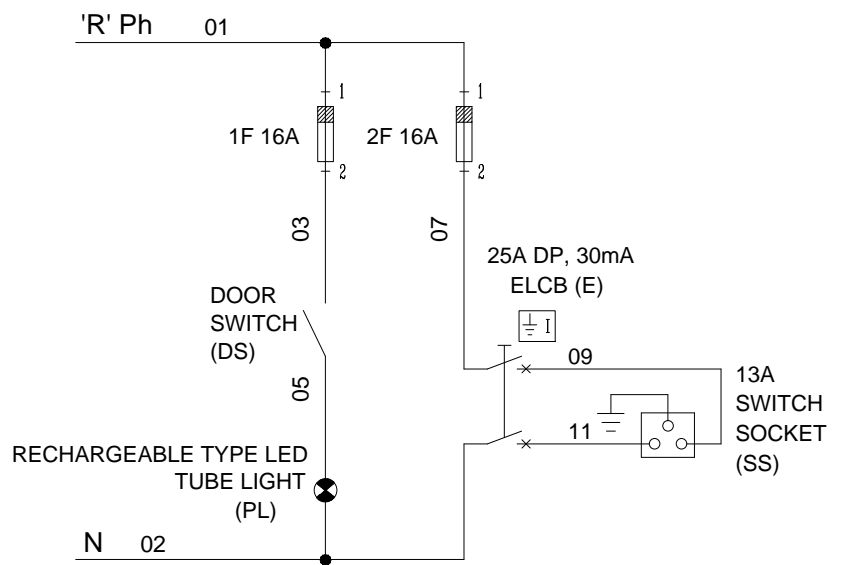
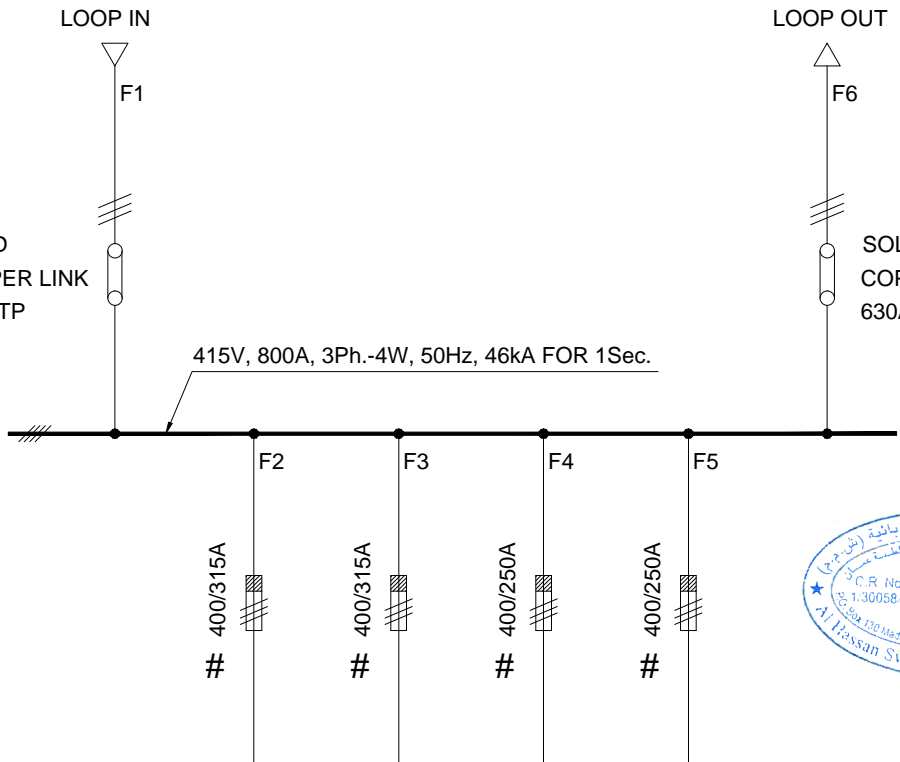
- 1) SYSTEM 415V, 800A, 3Ph, 4W, 50Hz, 46kA FOR 1 Sec.
- 2) CABLE ENTRY : BOTTOM.
- 3) GRP SHEET AS PER ADDC SPECIFICATION.
POWDER COATED, EXTERNAL: RAL 7032
- 4) DEGREE OF PROTECTION - IP:54.
- 5) THICKNESS - 6mm THICKNESS
- 6) MOUNTING:- FLOOR MOUNTED.
- 7) GLAND PLATE SHALL BE PASSIVATED HOT DIP GALVANIZED STEEL 3mm THICK.
- 8) DOOR EARTHING SHALL BE PROVIDED WITH 16mm² YELLOW/GREEN COLOUR WIRE.
- 9) HARD DRAWN HIGH CONDUCTIVITY TINNED COPPER BUSBAR WITH R, Y, B & BLACK IDENTIFICATION BY COLOURED SLEEVES AT REGULAR INTERVALS.
- 10) LOCK SHALL BE STAINLESS STEEL (GRADE-316).
- **11) BLANK PLATE 200x100mm (STAINLESS STEEL) OUTSIDE DOOR
- ***12) BLANK PLATE 400x400mm (ALUMINIUM SHEET) (INTSIDE DOOR).
BOLTED ON DOOR FROM INSIDE.
- 13) MIMIC DIAGRAM STICKER SHALL BE PROVIDED INSIDE THE PANEL.
- 14) ELECTRIC SHOCK TREATMENT CHART SHALL BE PROVIDED.
- 15) DOOR STOPPER SHALL BE STAINLESS STEEL AS PER ADDC SPECIFICATION.
- 16) AUXILIARY WIRING SHALL BE COVERED BY PVC TRUNK.
- 17) HINGES 4 Nos ON EACH DOOR :- SHALL BE STAINLESS STEEL 316 & LIFT OFF TYPE HINGES.
- 18) HANDLE SHALL BE STAINLESS STEEL (GRADE-316) WITH KEY TYPE 1242E.
- 19) HARDWARE SHALL BE STAINLESS STEEL (GRADE-316).
- 20) 2 Nos, EYE BOLT TYPE LIFTING HOOK SHALL BE PROVIDED.
- 21) 1 Nos, OF DRAWING POCKET SUITABLE FOR A4 SIZE SHALL BE PROVIDED.
- 22) 4 Nos. OF M16x50 BOLTS SHALL BE PROVIDED FOR PANEL FIXING ON RCC FOUNDATION.



NOTES :-

HRC FUSE LINK, CABLE GLANDS & CABLE LUGS FOR OUTGOING FEEDERS ARE NOT IN OUR SCOPE AS PER TENDER CLARIFICATION..

| | | | | | | | | |
|-----|------|-------------|----------|----------|--|---|------------|--------------|
| | | | | | EMPLOYER:- | ENQ.NO:- | SNS No. :- | N.W.R No. :- |
| | | | | | END CLIENT:- M/S. ABU DHABI DISTRIBUTION CO. L.L.C | TITLE:- | | |
| | | | | | CLIENT:- | BILL OF MATERIAL & NOTES - | | |
| | | | | | PROJECT:- ADDC TENDER-D19890821 | FEEDER PILLAR (6WAY TYPE-A) | | |
| | | | | | CONSULTANT:- |  AI HASSAN SWITCHGEAR COMPANY P.O. Box 130, P.C. 115, Sultanate of Oman | | |
| | | | | | MAIN CONTRACTOR:- | | | |
| REV | DATE | DESCRIPTION | DRN. DT. | CHD. DT. | AHSN 1406.7-01 | | | |
| | | SHEET NO:- | | 2 | OF | 2 | 01 | |



LEGEND

- SOLID COPPER LINK
- 3-PHASE HRC FUSE STRIP + LINK
- RECHARGEABLE TYPE LED TUBE LIGHT (PL)
- EARTH LEAKAGE CIRCUIT BREAKER (ELCB)
- CONTROL FUSE

| FEEDER DESGN. LOCATION | F1 | F2 | F3 | F4 | F5 | F6 |
|------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| FEEDER TYPE | LOOP IN | - | - | - | - | LOOP OUT |
| RATING IN AMPS | 630A | 315A | 315A | 250A | 250A | 630A |
| POWER/ECC SIZE | 4Cx400mm2 ALU. CABLE | 4Cx300mm2 ALU. CABLE | 4Cx300mm2 ALU. CABLE | 4Cx300mm2 ALU. CABLE | 4Cx300mm2 ALU. CABLE | 4Cx400mm2 ALU. CABLE |


HRC FUSE LINK, CABLE GLANDS & CABLE LUGS FOR OUTGOING FEEDERS ARE NOT IN OUR SCOPE AS PER TENDER CLARIFICATION.

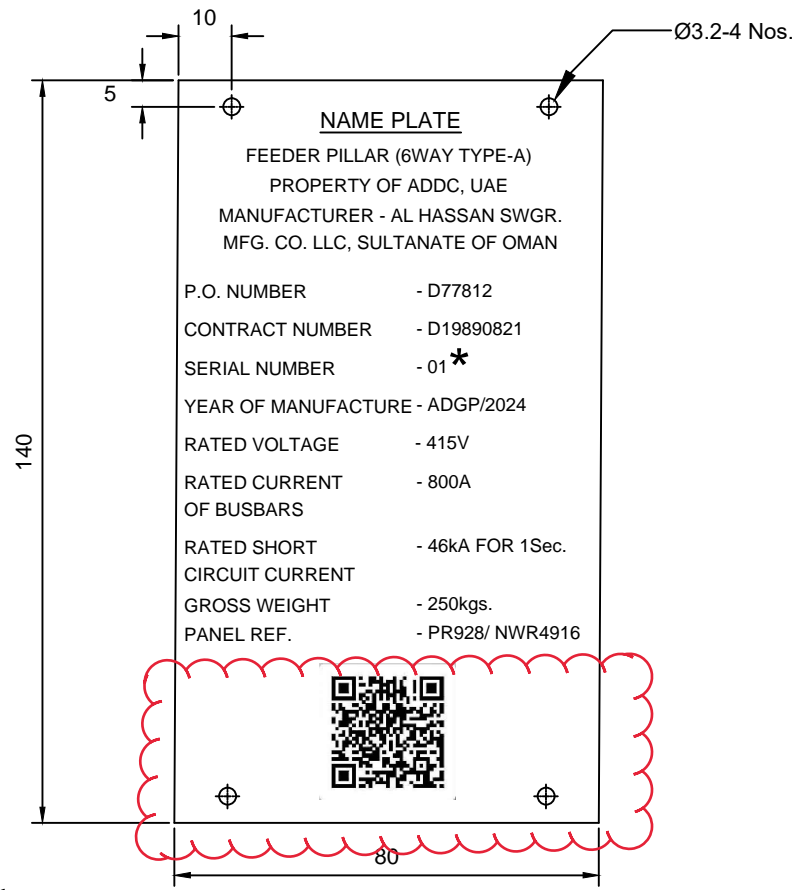
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|-----|------|-------------|----------|--|--|---|------------|------------|---|----------------|---|----|
| | | | | EMPLOYER:- | | ENQ.NO:- | | SNS No. :- | | N.W.R No. :- | | |
| | | | | END CLIENT:- M/S. ABU DHABI DISTRIBUTION CO. L.L.C | | TITLE:- | | | | | | |
| | | | | CLIENT:- | | SINGLE LINE DIAGRAM - | | | | | | |
| 01 | | | | 15.11.23 | | REVISED AS PER COMMENTS | | SS | | RGP | | |
| 00 | | | | 06.11.23 | | ISSUED FOR APPROVAL | | SS | | RGP | | |
| | | | | PROJECT:- ADDC TENDER-D19890821 | | FEEDER PILLAR (6WAY TYPE-A) | | | | | | |
| | | | | CONSULTANT:- | | AI HASSAN SWITCHGEAR COMPANY P.O. Box 130, P.C. 115, Sultanate of Oman | | | | DRAWING No.:- | | |
| | | | | MAIN CONTRACTOR:- | | | | | | AHSN 1406.3-01 | | |
| REV | DATE | DESCRIPTION | DRN. DT. | CHD. DT. | | | SHEET NO:- | | 1 | OF | 1 | 01 |



- NAME PLATE SIZE = 160mm x 160 mm
- NAME PLATE MATERIAL & THICKNESS = STAINLESS STEEL (GRADE-316) & 1.2MM
- BACKGROUND = RED.
- LETTERS = WHITE.
- LETTERS HEIGHT = 10mm.
- MATERIAL FOR FIXING = ALUMINUM RIVET

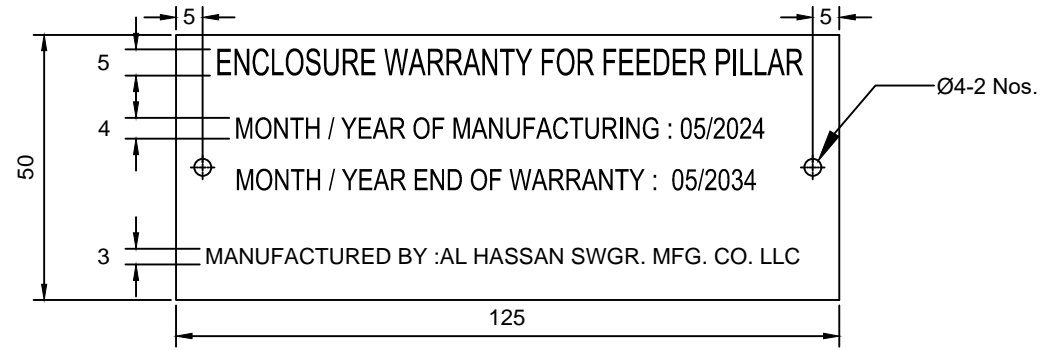


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|-----|--|--|--|---|--|------------|--|----------------------|--|
| | | EMPLOYER:- | | ENQ.NO.:- | | SNS No. :- | | N.W.R No. :- | |
| | | END CLIENT:- M/S. ABU DHABI DISTRIBUTION CO. L.L.C | | TITLE:- | | | | | |
| | | CLIENT:- | | DANGER PLATE - | | | | | |
| 01 | | 15.11.23 | | REVISD AS PER COMMENTS | | SS | | RGP | |
| | | PROJECT:- | | FEEDER PILLAR (6WAY TYPE-A) | | | | | |
| 00 | | 06.11.23 | | ISSUED FOR APPROVAL | | SS | | RGP | |
| | | CONSULTANT:- | |  AI HASSAN SWITCHGEAR COMPANY P.O. Box 130, P.C. 115, Sultanate of Oman | | | | | |
| | | MAIN CONTRACTOR:- | | | | | | | |
| REV | | DATE | | DESCRIPTION | | DRN. DT. | | CHD. DT. | |
| | | | | | | | | AHSN 1406.4-01 | |
| | | | | | | | | SHEET NO:- 1 OF 3 01 | |



***** UNIQUE No. FOR EACH BOARD (SERIAL No. FROM 01 TO 300)

- NAME PLATE SIZE = 140mm x 80 mm
- NAME PLATE MATERIAL & THICKNESS = STAINLESS STEEL (GRADE-316) & 1.2 mm
- LETTER HEIGHT = 5 mm.
- INSCRIPTION = BLACK BACK GROUND WITH WHITE LETTERS ENGRAVED & QR CODE SCREENING
- MATERIAL FOR FIXING = ALUMINUM RIVET



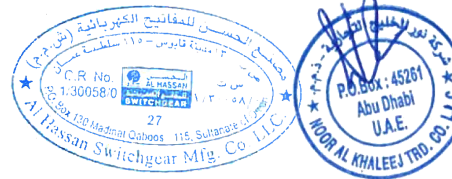
- NAME PLATE SIZE = (W) 125mm x (H) 50mm
- NAME PLATE MATERIAL & THICKNESS = STAINLESS STEEL (GRADE-316) & 1.2 mm
- LETTER HEIGHT = 5 mm, 4 mm, 3 mm,
- INSCRIPTION = BLACK BACK GROUND WITH WHITE LETTERS ENGRAVED
- MATERIAL FOR FIXING = ALUMINUM RIVET



| | | | | | | | | | |
|----|--|--|--|---|--|------------|--|--------------|--|
| | | EMPLOYER:- | | ENQ.NO:- | | SNS No. :- | | N.W.R No. :- | |
| | | END CLIENT:- M/S. ABU DHABI DISTRIBUTION CO. L.L.C | | TITLE:- | | | | | |
| | | CLIENT:- | | IDENTIFICATION NAMEPLATE - | | | | | |
| 01 | | 15.11.23 | | REVISD AS PER COMMENTS | | SS | | RGP | |
| 00 | | 06.11.23 | | ISSUED FOR APPROVAL | | SS | | RGP | |
| | | PROJECT:- | | ADDCC TENDER-D19890821 | | | | | |
| | | CONSULTANT:- | | | | | | | |
| | | MAIN CONTRACTOR:- | | | | | | | |
| | | DRAWING No.:- | | A I HASSAN SWITCHGEAR COMPANY | | | | | |
| | | AHSN 1406.4-01 | | P.O. Box 130, P.C. 115, Sultanate of Oman | | | | | |
| | | SHEET NO:- | | 2 | | OF | | 3 | |
| | | | | | | | | 01 | |

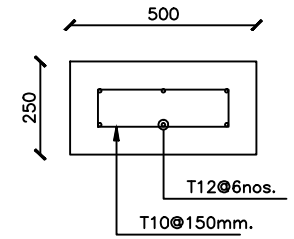
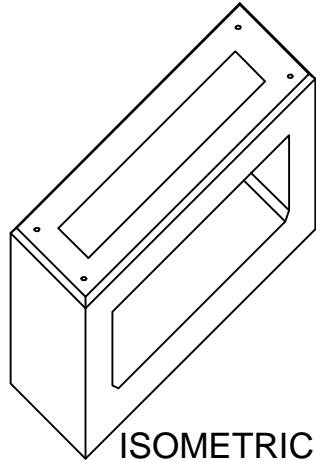
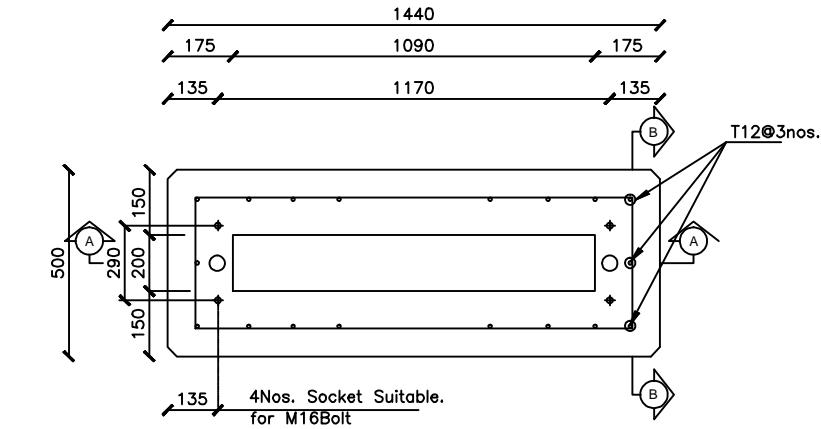
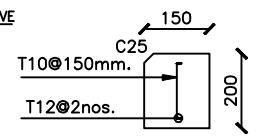
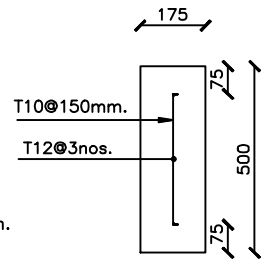
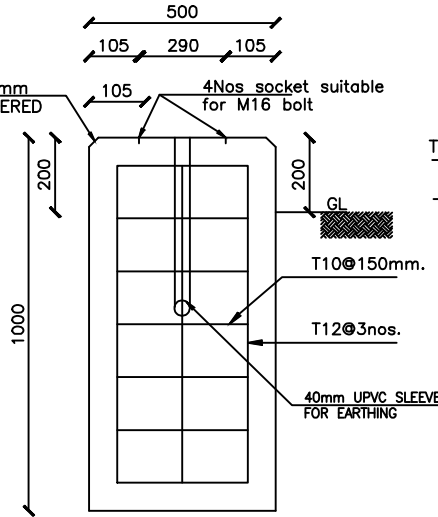
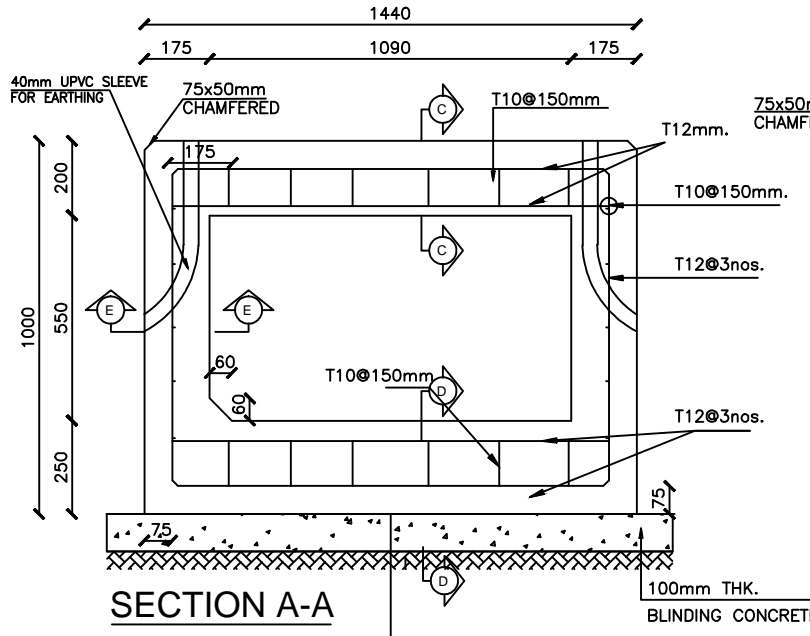


- NAME PLATE SIZE = 295mm x 180 mm
- NAME PLATE MATERIAL & THICKNESS = STAINLESS STEEL (GRADE-316) & 1.2 mm
- QUALITY OF PAINT = UV RESISTANT PAINT WITH NO FADING QUALITY (RED, GREEN, BLUE & BLACK).
- MATERIAL FOR FIXING = ALUMINUM RIVET
- INSCRIPTION = STAINLESS STEEL BACK GROUND WITH LETTERS & LOGO ENGRAVED



| | | | | | | | | | |
|-----|--|--|-------------------------|----------|----------|--|--|----------------------|--|
| | | EMPLOYER:- | | ENQ.NO:- | | SNS No. :- | | N.W.R No. :- | |
| | | END CLIENT:- M/S. ABU DHABI DISTRIBUTION CO. L.L.C | | TITLE:- | | | | | |
| 01 | | 15.11.23 | REVISED AS PER COMMENTS | SS | RGP | ADDC LOGO - | | | |
| 00 | | 06.11.23 | ISSUED FOR APPROVAL | SS | RGP | FEEDER PILLAR (6WAY TYPE-A) | | | |
| REV | | DATE | DESCRIPTION | DRN. DT. | CHD. DT. | CONSULTANT:- | | DRAWING No.:- | |
| | | | | | | MAIN CONTRACTOR:- | | AHSN 1406.4-01 | |
| | | | | | | AI HASSAN SWITCHGEAR COMPANY P.O. Box 130, P.C. 115, Sultanate of Oman | | SHEET NO:- 3 OF 3 01 | |

FEEDER PILLAR TYPE A FOUNDATION 1440x500x1000



- NOTES:**
1. ALL DIMENSIONS ARE IN mm.
 2. CONCRETE GRADE SHALL BE 40N/mm².
 3. ALL CONCRETE SURFACE SHALL BE FAIR FACE.
 4. ALL EDGES SHALL BE CHAMFERED.
 5. ALL SURFACES SHALL BE PAINTED WITH 2 COATS OF COAL TAR EPOXY PAINT.
 6. COVER TO REINFORCEMENT SHALL NOT BE LESS THAN 75mm.
 7. ALL REINFORCEMENT IS DEFORMED STEEL GRADE 460/ 425 AS PER B.S 4449.
 8. MSRC CEMENT SHALL BE USED.
 9. BOLTS & NUTS USED FOR FIXATION SHALL BE STAINLESS STEEL
 10. SOIL BELOW FOUNDATION SHALL BE LEVELLED AND WELL COMPACTED TO 97%
 11. The nut shall be grouted inside the plinth facilitating tightening of bolt from top



QTY : 300 Nos.

**ITEM NO. 83728
(RFQ LINE ITEM #2)**

| REV | DATE | DESCRIPTION | DRN. DT. | CHD. DT. |
|-----|----------|---------------------|----------|----------|
| 00 | 06.11.23 | ISSUED FOR APPROVAL | SS | RGP |

| | |
|-------------------|---------------------------------------|
| EMPLOYER:- | |
| END CLIENT:- | M/S. ABU DHABI DISTRIBUTION CO. L.L.C |
| CLIENT:- | |
| PROJECT:- | ADDC TENDER-D19890821 |
| CONSULTANT:- | |
| MAIN CONTRACTOR:- | |

| | | |
|--|------------|---------------------------------|
| ENQ.NO:- | SNS No. :- | N.W.R No. :- |
| TITLE:- RCC FOUNDATION - FEEDER PILLAR (6WAY TYPE-A) | | |
| AI HASSAN SWITCHGEAR COMPANY P.O. Box 130, P.C. 115, Sultanate of Oman | | DRAWING No.:- AHSN 1406.6-01 |
| SHEET NO:- 1 OF 1 | | 00 |