



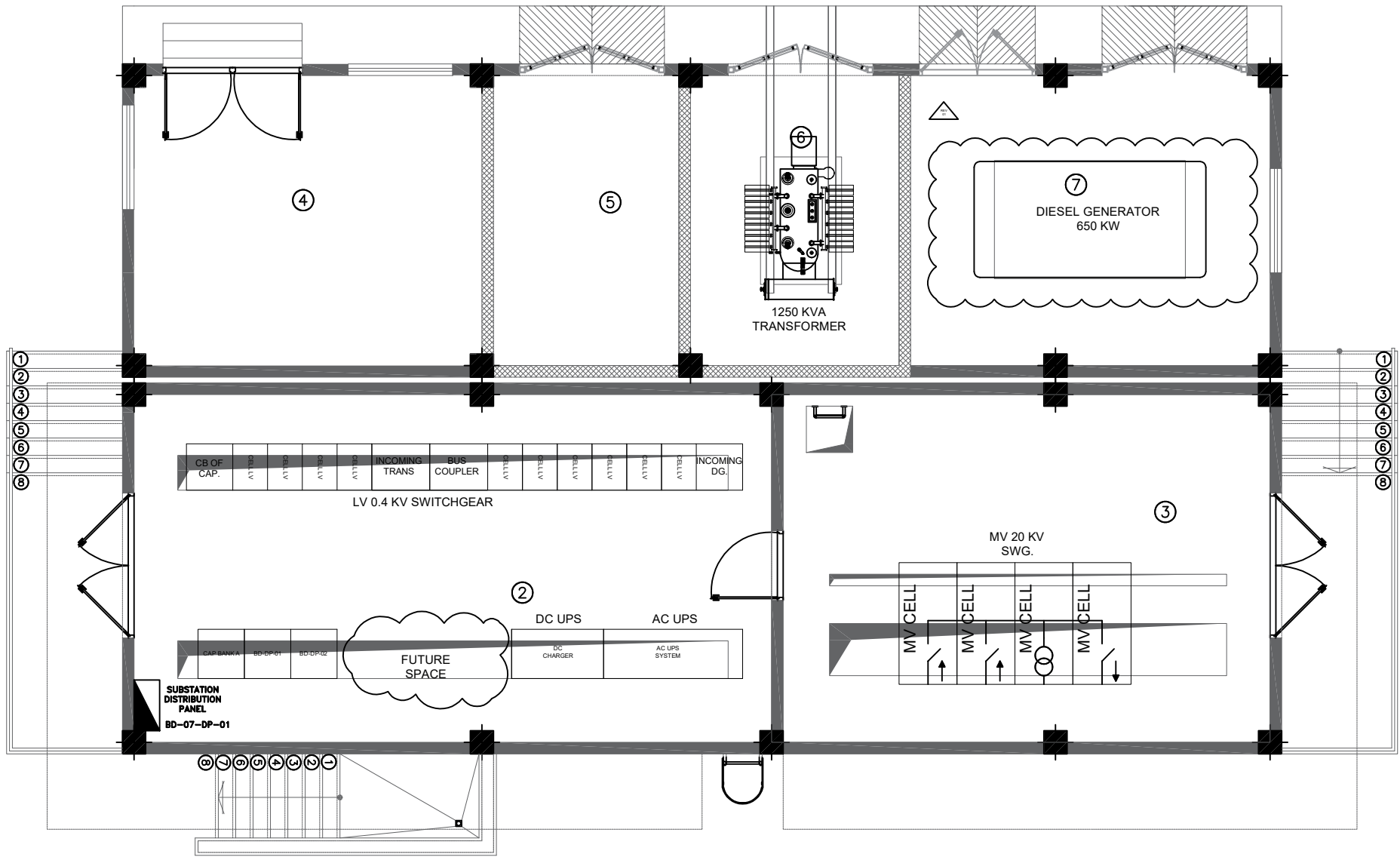


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|---|--|---|---|---|---|---|---|---|----|----|----|
| 1 | 2  | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| H |  |   |   |   |   |   |   |   |    |    | H  |
| G |  |   |   |   |   |   |   |   |    |    | G  |
| F |  |   |   |   |   |   |   |   |    |    | F  |
| E | SUBSTATION ELECTRICAL EQUIPMENT<br>ARRANGEMENT |   |   |   |   |   |   |   |    |    | E  |
| D |  |   |   |   |   |   |   |   |    |    | D  |
| C |  |   |   |   |   |   |   |   |    |    | C  |
| B |  |   |   |   |   |   |   |   |    |    | B  |
| A |  |   |   |   |   |   |   |   |    |    | A  |

|   |          |           |   |         |  |   |      |           |   |  |  |
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|   |          |           |   |         |  |   |      |           |   |  |  |
|   |          |           |   |         |  |   |      |           |   |  |  |
|   |          |           |   |         |  |   |      |           |   |  |  |
| 01  | 04/03/18 | A.MADHIAN |   | R.RAZMI | R.RAZMI  | ISSUED FOR COMMENT  |      |           |   |  |  |
| 00  | 04/02/29 | A.MADHIAN |   | R.RAZMI | R.RAZMI  | ISSUED FOR COMMENT  |      |           |   |  |  |
| REV.  | DATE     | DESIGN    | DRAWN   | CHECK   | APP.   | DESCRIPTION   |      |           |   |  |  |
| CLIENT  |          |           | OWNER:  |         |  | CONSULTANT:   |      |           | SUPER VISOR:  |  |  |
|  |          |           |  |         |  |  |      |           |  |  |  |
| SCALE: NTS  |          |           | SIZE:A3   |         |  | PROJ. NO.:  |      |           | 1402-T-13800  |  |  |
| PROJ:<br>PAYA OIL PRODUCT TERMINAL IN SHAHID RAJAEI PORT                              |          |           |   |         |  |   |      |           |   |  |  |
| PREPARED BY: A.MADHIAN  |          |           |   |         | TITLE:<br>SUBSTATION ELECTRICAL EQUIPMENT<br>ARRANGEMENT |   |      |           |   |  |  |
| APPROVED BY: R.RAZMI  |          |           |   |         |  |   |      |           |   |  |  |
| CONT. No.   | REF.     | PROJ.     | PH.   | DISC.   | TYPE.  | SEQ.  | REV. | SHEET NO. |   |  |  |
| 12S/13800   | POT      | 150       | DE  | EL      | DWG  | 3140  | 01   | 01 OF 02  |   |  |  |







- ① CABLE GALLERY
- ② LV-SWITCHGEAR
- ③ MV-SWITCHGEAR
- ④ CONTROL ROOM
- ⑤ TRANSFORMER.1
- ⑥ BATTERY ROOM
- ⑦ GEN. ROOM

| NOTES  |  |
|--|--|
| 1.THE DIMENSIONS OF THE EQUIPMENT SHALL BE FINALIZED BASED ON VENDOR DATA.                               |  |
| 2.THE INSTALLATION HEIGHT OF WALL-MOUNTED PANELS SHALL BE 40 CM ABOVE THE FINISHED FLOOR LEVEL.          |  |
| 3.ELECTRICAL PANEL ROOMS SHALL BE EQUIPPED WITH INSULATED FLOORING.                                      |  |
| 4.ADEQUATE CLEARANCE SHALL BE MAINTAINED AROUND ALL EQUIPMENT FOR SAFE OPERATION AND MAINTENANCE ACCESS. |  |

| REFERENCE DOCUMENT                 |                        |
|------------------------------------|------------------------|
| 1-EARTHING & LIGHTNING CALCULATION | POT-150-DE-EL-CAL-3125 |
| 2-TRAN. & DG SIZING CALCULATION    | POT-150-DE-EL-CAL-3111 |
| 3-MV SINGLE LINE DIAGRAM           | POT-150-DE-EL-SLD-3104 |
| 4-LV SINGLE LINE DIAGRAM           | POT-150-DE-EL-SLD-3105 |

MCC GROUND FLOOR LIGHTING LAYOUT

|   |          |           |   |         |   |                    |   |           |
|---|----------|-----------|---|---------|---|--------------------|---|-----------|
|   |          |           |   |         |   |                    |   |           |
|   |          |           |   |         |   |                    |   |           |
| 01  | 04/03/18 | A.MADHIAN |   | R.RAZMI | R.RAZMI   | ISSUED FOR COMMENT |   |           |
| 00  | 04/02/29 | A.MADHIAN |   | R.RAZMI | R.RAZMI   | ISSUED FOR COMMENT |   |           |
| REV   | DATE     | DESIGN    | DRAWN   | CHECK   | APP.  | DESCRIPTION        |   |           |
| CLIENT  |          |           | OWNER:  |         | CONSULTANT:   |                    | SUPER VISOR:  |           |
|  |          |           |  |         |  |                    |  |           |
| SCALE: NTS  |          |           | SIZE:A3   |         | PROJ. NO.:  |                    | 1402-T-13800  |           |
| PROJ:   |          |           |   |         |   |                    |   |           |
| PAYA OIL PRODUCT TERMINAL IN SHAHID RAJAEI PORT                                       |          |           |   |         |   |                    |   |           |
| PREPARED BY:  |          |           | TITLE:  |         |   |                    |   |           |
| A.MADHIAN   |          |           | SUBSTATION ELECTRICAL EQUIPMENT   |         |   |                    |   |           |
| APPROVED BY:  |          |           | ARRANGEMENT   |         |   |                    |   |           |
| R.RAZMI   |          |           |   |         |   |                    |   |           |
| CONT. No.   | REF.     | PROJ.     | PH.   | DISC.   | TYPE.   | SEQ.               | REV.  | SHEET NO. |
| 12S/13800   | POT      | 150       | DE  | EL      | DWG   | 3140               | 01  | 01 OF 02  |