



LEGEND:
NOTE:

FOR THE USE OF ELECTRICAL INSPECTORATE

SIGNATURE OF CLIENT


SIGNATURE OF SUPERVISOR
KRISHNADAS M.K
 Electrical Contractor & Supervisor
 [CB - 10271] [SB - 14696]
 Moothedath House, Nagalassery P.O
 Palakkad - Pin : 679 533.
 Ph : 9846537580


SIGNATURE OF CONTRACTOR
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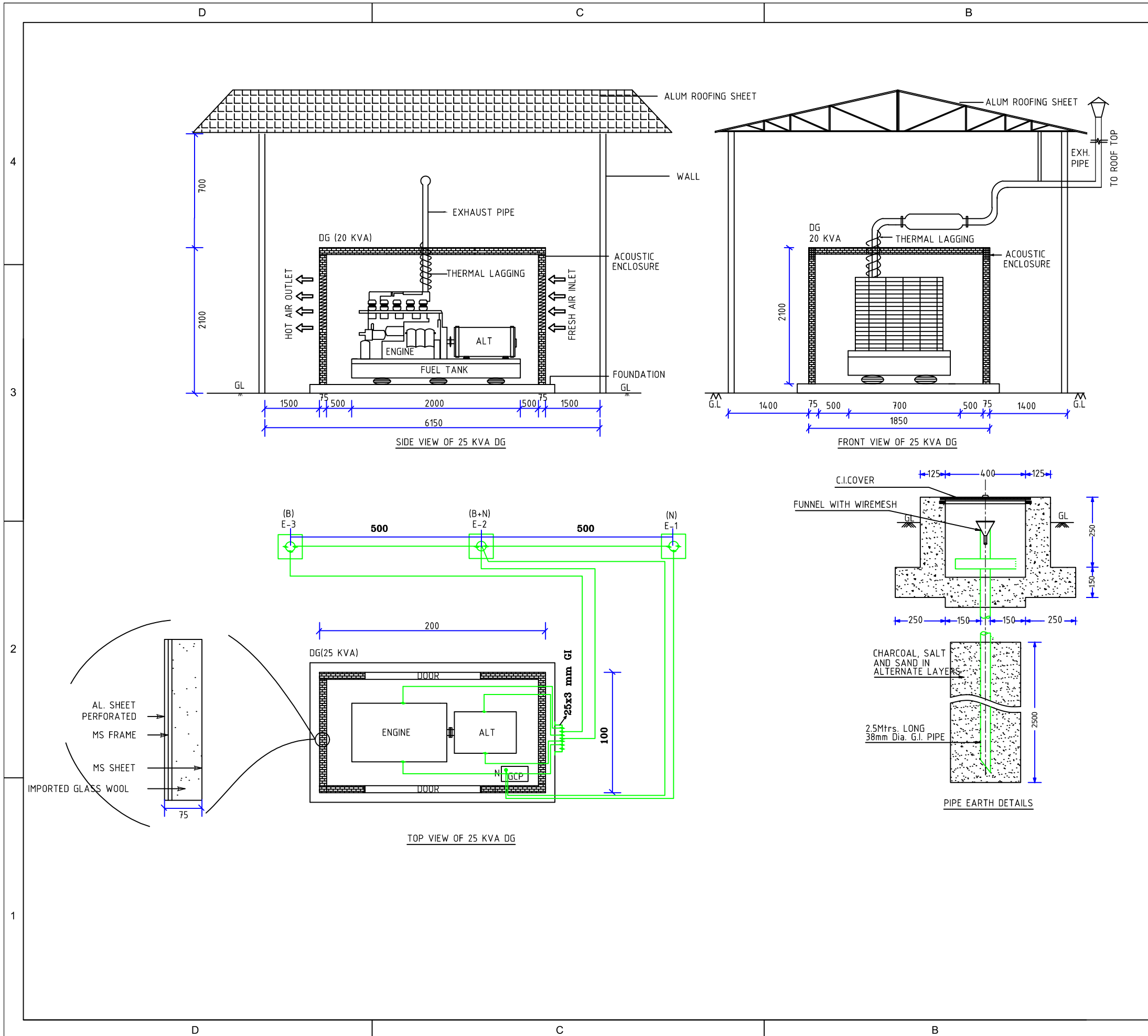
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MK KRISHNADAS
 'B' Class Electrical Contractor
 MOOTHEDATH HOUSE, NAGALASSERY, PALAKKAD
 phon num : 9846537580
 Licence No. CB -10271
 Valid upto: 11.2024 - 11.2030

CLIENT : AMMU PETROLEUM MEZHATHR, THRITHALA, PALAKKAD

TITLE: SCHEMATIC DIAGRAM
 Drg No :
 Sheet No : 1 OF 4
 Drawn By : SUHAIL.M
 Checked By : MK KRISHNADAS
 Revised on : 11/04/2026
 Scale : NTS

| Description | OFFIC POWER LIGHT | OIL CHANGE P-PLUG 2 Numbers | MOTOR | COMPR ESSOR 7 Numbers | AIR ROOM LIGHTING | OIL ROOM LIGHTING | PUMB 1,2,3 3Numbers | DISPLAY BOARD | UPS | PANEL LIGHTING | SPARE 2 Numbers | SPARE | LIGHT | PLUG 8 numbers | AC | AC | LIGHT+NP FAN |
|----------------------------------|-------------------|-----------------------------|-------|-----------------------|-------------------|-------------------|---------------------|---------------|-------|----------------|-----------------|-------|--------|----------------|--------|--------|--------------|
| Connected load in KW | 4 | 2 | 0.24 | 2.2 | 0.14 | 0.14 | 3 KW 9 KW | 0.14 | 2kva | 0.14 | --- | --- | 0.5 | 0.5 | 1 | 1 | 1 |
| Rated Voltage in Volts | 230 | 230 | 230 | 415 | 230 | 230 | 230 | 230 | 230 | 230 | --- | --- | 230 | 230 | 230 | 230 | 230 |
| Current in amps | 20 | 10 | 1.2 | 2.86 | 0.7 | 0.7 | 15 | 0.7 | 10 | 0.7 | --- | --- | 2.5 | 2.5 | 5 | 5 | 5 |
| Back up fuse/MCCB rating in Amps | 63 | 63 | 20 | 20 | 20 | 20 | 25 | 20 | 20 | 20 | --- | --- | 6 | 16 | 16 | 20 | 16 |
| Size of AYFY Cable in SQMM | 4 CU | 2 CU | 2 CU | 2 CU | 2 CU | 2 CU | 2 CU | 2 CU | 2 CU | 2 CU | --- | --- | 1.5 CU | 1.5 CU | 2.5 CU | 2.5 CU | 1.5 CU |
| No. of Runs x cores | 1CX2R | 3CX1R | 3CX1R | 3CX1R | 1CX4R | 3CX1R | 3CX1R | 3CX1R | 3CX1R | 3CX1R | --- | --- | 1CX2R | 1CX2R | 1CX2R | 1CX2R | 1CX2R |
| Length of cable in mtr | 5 | 16 | 2 | 2 | 16 | 16 | 10 | 16 | 3 | 10 | --- | --- | --- | --- | --- | --- | --- |
| Capacitor rating in KVAR | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Earthing conductor size (Cu) SWG | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | --- | --- | 10 | 10 | 10 | 10 | 10 |



LEGEND:
 : EARTHING
 EARTHING USING 6 SWG Cu

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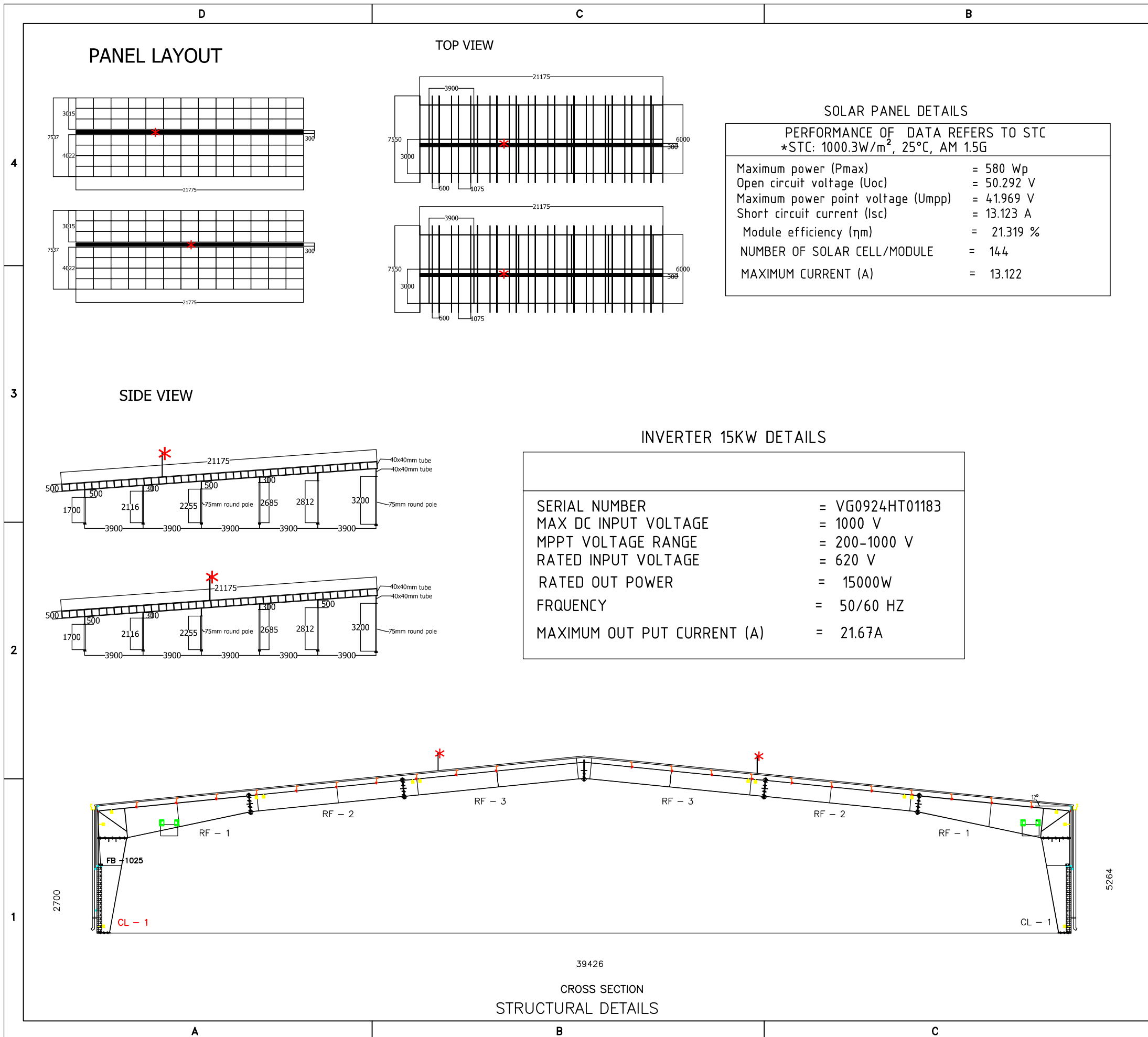
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CLIENT : **AMMU PETROLEUM MEZHATHR, THRITHALA, PALAKKAD**

TITLE : DETAILS OF 25 KVA DG

| | |
|----------------------------|-------------------|
| Drg No : | Date : 11/04/2026 |
| Sheet No : 2 of 4 | |
| Drawn By : SUHAIL.M | |
| Checked By : MK KRISHNADAS | Scale : NTS |



SOLAR PANEL DETAILS

PERFORMANCE OF DATA REFERS TO STC
*STC: 1000.3W/m², 25°C, AM 1.5G

| | |
|------------------------------------|------------|
| Maximum power (Pmax) | = 580 Wp |
| Open circuit voltage (Uoc) | = 50.292 V |
| Maximum power point voltage (Umpp) | = 41.969 V |
| Short circuit current (Isc) | = 13.123 A |
| Module efficiency (ηm) | = 21.319 % |
| NUMBER OF SOLAR CELL/MODULE | = 144 |
| MAXIMUM CURRENT (A) | = 13.122 |

INVERTER 15KW DETAILS

| | |
|-----------------------------|-----------------|
| SERIAL NUMBER | = VG0924HT01183 |
| MAX DC INPUT VOLTAGE | = 1000 V |
| MPPT VOLTAGE RANGE | = 200-1000 V |
| RATED INPUT VOLTAGE | = 620 V |
| RATED OUT POWER | = 15000W |
| FRQUENCY | = 50/60 HZ |
| MAXIMUM OUT PUT CURRENT (A) | = 21.67A |

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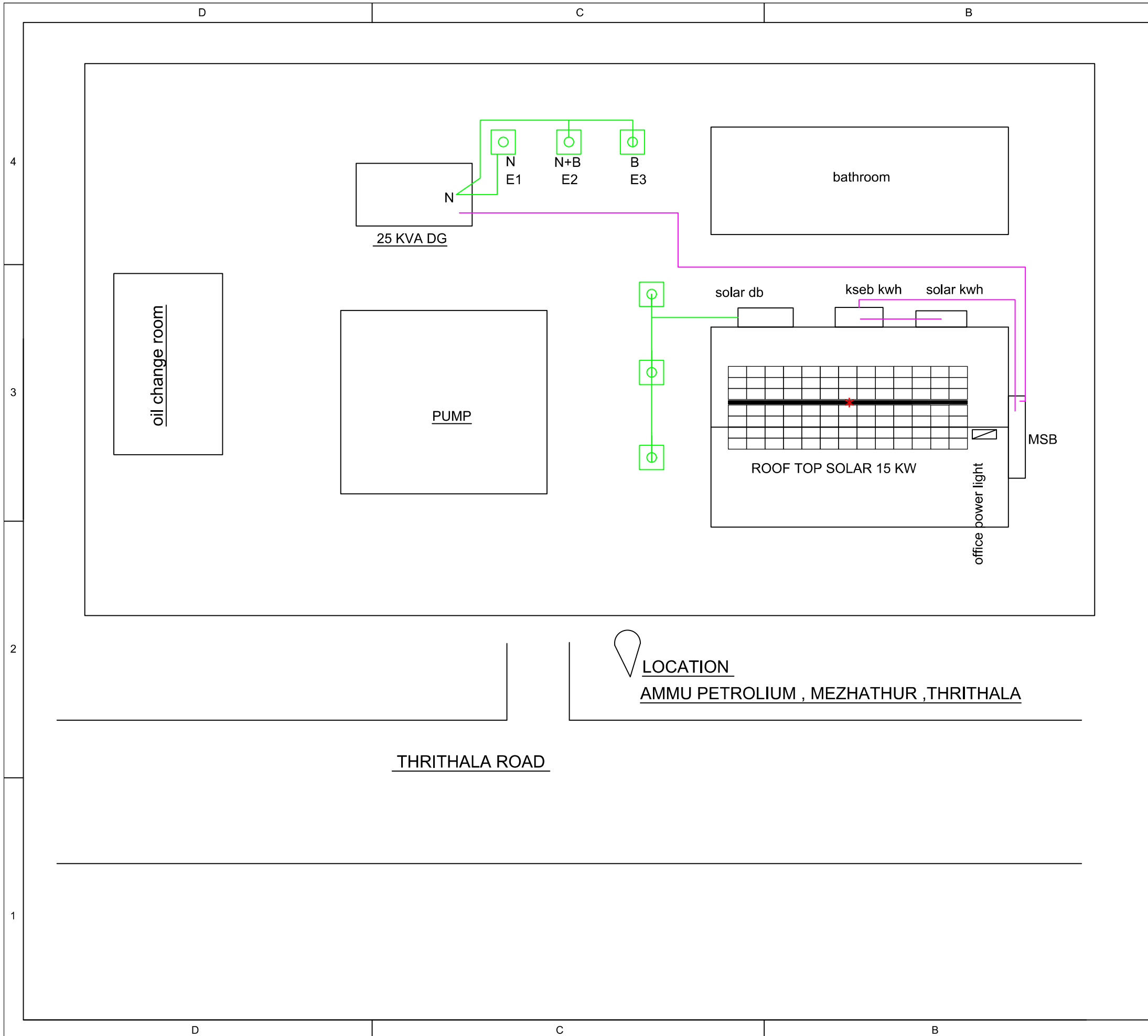
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| | |
|----------------------------|-------------------|
| TITLE: SCHEMATIC DIAGRAM | |
| Drg No : | Date : 11/04/2026 |
| Sheet No : 3 of 4 | |
| Drawn By : SUHAIL.M | |
| Checked By : MK KRISHNADAS | Scale : NTS |

39426
CROSS SECTION
STRUCTURAL DETAILS



LEGEND:
 — EARTHING
 — CABLE

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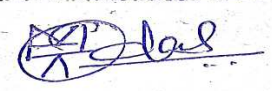
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CLIENT : **AMMU PETROLEUM MEZHATHUR, THRITHALA, PALAKKAD**

| | | |
|------------|--------------------------------|-------------------|
| TITLE | : LOCATION AND PHYSICAL LAYOUT | |
| Drg No | : | Date : 11/04/2026 |
| Sheet No | : 4 of 4 | |
| Drawn By | : SUHAIL.M | |
| Checked By | : MK KRISHNADAS | Scale : NTS |