



## Notice of Drawing Status

### Low Voltage Installation

Application No. : E-133164 Date: 3.02.2025

Project : Residential - VILLA

Community Code/Plot No. : 347-0861

Consultant/Contractor : CROQEE LINE CONSULTANCY

Owner : SAFWAN M MOHAMED AL BAYATTI

(Overall Status Provisionally Approved)

| Sl No | Drawing Description   | Status   |
|-------|---|----------|
| 01    | Project/Plot summary of total connected, MDBs/SMDBs schedules, typical Load distribution schedule for final distribution boards, load/Max.demand including number of KWh meters at main LV panel/MDB and SMDB levels. | Approved |
| 02    | Single line diagram with proposed LV distribution and tariff metering.  | Noted    |
| 03    | Site setting layout and ground floor plan indicating location of substation, LV room, /KWh meter, MDB, etc...   | Noted    |
| 04    | Dimensional details of LV room/Electrical room/electrical cupboard etc... and arrangements of LV panels/SMDBs/DBs/KWh meters etc...   | Noted    |
| 05    | Ground floor and/or typical floor plan indicating location of electrical rooms/MDBs/SMDBs/DBs/ KWh meters with installation details   | N/A      |
| 06    | Wiring lay-outs (Lighting & Power) (DWF)  | Noted    |

#### Specific Comments:

1. Ensure that Circuit Breakers/MCCBs installed before Tariff Metering shall have provision for padlocking in its OFF position.
2. Ensure that the overall P.F. of the Consumer installation is maintained within 0.9 (lagging) and unity as specified under clause G.4.20.1 of Dubai Building Code 2021 Edition



3. Refer Dubai building code 2021 edition, section G..4.5 for the arrangement of tariff metering in the consumer premises.

**General Comments: -**

1. Recheck/reconfirm the site routing of the Main Service cable/s to finalize the proposed cable entry to the Electrical room/cupboard and/or MDB/KWH meter(s) enclosure, with Connection Services Department (P & E Section) in DEWA prior to commencement of the construction work.
2. Ensure the following in respect of CT metering:
  - Sealing lugs on the covers of the CT terminals,
  - Voltage tapping & fuse carriers in addition to Meters/terminals for CT Meters
3. Ensure to provide well-segregated and identified wiring for each ELCB group/section in the proposed DB/s.
4. Install cables/trays/bus-ducts, etc., through common service routes/corridors.
5. Segregate circuit wiring of each DB in separate trunking/ conduit.
6. Supply release shall be subject to installation of A/C equipment light fittings and other machine/equipment with individual power factor compensation to achieve and maintain the overall PF at or above 0.9 (lagging) as proposed in the drawings.
7. Details of additional loads/extensions shall be subject to DEWA's review/approval, further inspection by DEWA as and when being connected to the spare feeders in the proposed and/or existing MDB/s.
8. Recheck and ensure to provide appropriate earth leakage protection as per the individual/systems loads requirements.
9. Submit details of installation of Under Voltage (U.V.) relays for Air-Conditioning Units within the project
10. Ratings of proposed fixed appliances (such as Washing machines, Dishwashers, Driers, Freezers, Water heaters, Cookers etc.) shall be subject to submission of technical documents for confirmation

*For Dubai Electricity and Water Authority (PJSC),  
Connection Services Department – Design Approval Section*

- This is a system-generated document, no signature is required.
- Consultants and Contractors are able to utilize online Technical Discussion&Support facility by visiting DEWA website. <https://www.dewa.gov.ae/en/builder>

Date: 25-Jul-2024

Ref. : DP-VP-CS-GEN-0080-2024

To:

Consultants/ Contractors/Project owners

**Specific Requirements to Incorporate During Construction For Preventing Entry of Water in to DBs (Distribution Boards) ,Conduits, Junction Boxes and Electrical Accessories**

Dear Customer,

The Authority is constantly endeavoring to provide safe and reliable supply to its consumers. We thank you for your valuable cooperation and coordination with us to provide you the best services from DEWA.

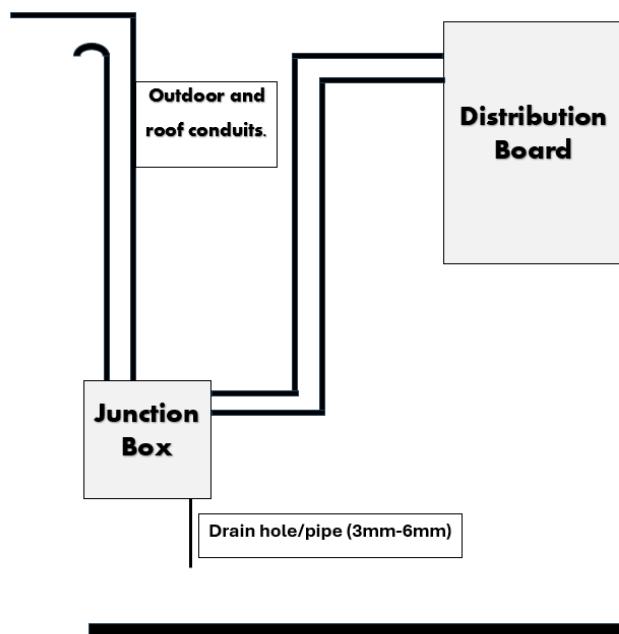
Rainwater, groundwater, or even condensation can enter electrical conduit ,distribution boards, junction boxes ,accessories ,etc. due to

- Open / unsealed ends of conduits , non-weather proof installation, etc. in roof and other outdoor location
- Cracks, gaps, or holes in the DB enclosures ,junction boxes, Conduits, etc.
- Entry of warm/humid air in the conduit and due to temperature changes between the air and the ground, causing condensation. .
- Poorly Sealed external fittings, junction boxes, conduits, etc.

As part of measures to prevent entry of water in to DBs (Distribution Boards), Conduits, junction boxes and electrical accessories ,following specific requirements shall be implemented in all projects during the construction stage.

1. Usage of only IP65 weatherproof boxes ,fittings ,accessories ,etc. for all outdoor installations
2. Properly sealing of all external electrical conduits from water on both ends.

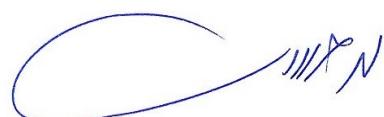
3. Provide "U"- bends ,facing downward, on all exposed conduit-ends in roof and seal both ends.
4. Avoid direct termination of conduits from roof and outdoor locations to the DBs (Distribution boards ). Instead , terminate at a Junction box having drain provision from which the conduits can run to the DBs



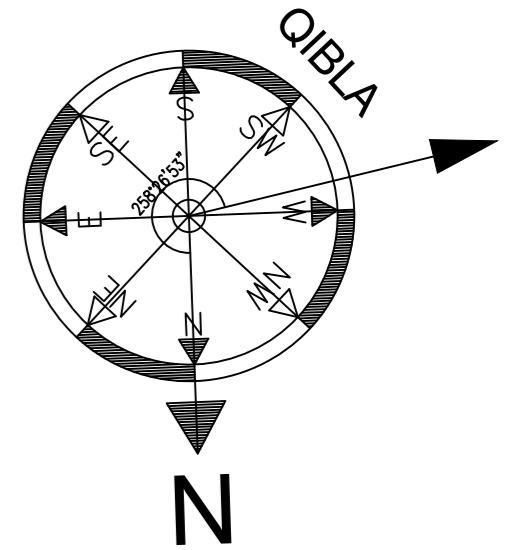
Silicone Sealants, Polyurethane Sealants , Butyl Rubber Sealants or Epoxy Sealants can be used ,as applicable.

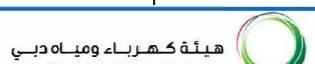
Thanking you in anticipation of your full cooperation.

For Dubai Electricity & Water Authority



**Marwan Sultan A Al Sabbagh**  
(For EVP - Distribution Power)  
**VP - Projects & Engineering**



| LOAD SUMMARY SHEET  |       |   |       |  |   |                                |        |       |                     |        |        |                   |                       |              |        |               |         |                |       |       |  |  |  |  |  |
|---|-------|---|-------|--|---|--------------------------------|--------|-------|---------------------|--------|--------|-------------------|-----------------------|--------------|--------|---------------|---------|----------------|-------|-------|--|--|--|--|--|
| DETAILS OF CONNECTED LOAD / MAX. DEMAND   |       |   |       |  |   |                                |        |       |                     |        |        |                   |                       |              |        |               |         |                |       |       |  |  |  |  |  |
| Project : PROPOSED BASMENT+G+1 FLOOR VILLA  |       |   |       |  | DETAILS OF CONNECTED LOAD/MAX. DEMAND                 |                                |        |       |                     |        |        | LOCATION :        |                       |              |        |               |         |                |       |       |  |  |  |  |  |
| PLANNED COMPLETION DATE :   |       |   |       |  |   |                                |        |       |                     |        |        |                   |                       |              |        |               |         |                |       |       |  |  |  |  |  |
| PANEL ID : MDB  |       |   |       |  | OWNER : DISTRICT ONE - FZ SAFWAN M MOHAMED AL BAYATTI |                                |        |       |                     |        |        | AREA : AL MERKADH |                       |              |        |               |         |                |       |       |  |  |  |  |  |
| LOAD SUMMERY SHEET  |       |   |       |  | CONSULTANT :  |                                |        |       |                     |        |        | PLOT NO 3470861   |                       |              |        |               |         |                |       |       |  |  |  |  |  |
| CIRCUIT/ FEEDER<br>DB No.   | SP/TP | RATING AMPS   |       | FAULT<br>DUTY  | PVC/XLPE<br>SWA/PVC                                   | CABLE SIZE                     |        | ECC   | CONNECTED LOAD - KW |        |        | TOTAL             | PROPOSED KWH METERING |              |        |               | REMARKS |                |       |       |  |  |  |  |  |
|   |       | F/S   | MCCB  |  |   | 2/4 x 1c                       | 2/3/4c |       | 1c                  | R - PH | Y - PH |                   | B - PH                | 1 - PH       | 3 - PH | 3 - PH        |         | CT             |       |       |  |  |  |  |  |
|   |       | ISO   | ACB   |  |   |                                | KA     |       | sq mm               | sq mm  | sq mm  |                   | KW                    | KW           | KW     | ( 1 )         |         | ( 2 )          | ( 3 ) | ( 4 ) |  |  |  |  |  |
| INCOMER   | TP    | 200   |       | 45   | BY DEWA   |                                | 2X50   |       |                     |        |        |                   |                       |              |        |               |         |                |       |       |  |  |  |  |  |
| OUTGOING :  |       |   |       |  |   |                                |        |       |                     |        |        |                   |                       |              |        |               |         |                |       |       |  |  |  |  |  |
| MDB   | TP    | 200   |       | 45   | XLPE/SWA/PVC  |                                | 4CX95  | 1CX50 | 35.59               | 37.10  | 36.48  | 118.00            |                       |              | 1      | 200/5A        |         |                |       |       |  |  |  |  |  |
| <br><b>موافقة مبدئية للمخططات الفنية للجهد المنخفض</b><br>LV Technical Drawing<br>Provisionally Approved |       |   |       |  |   |                                |        |       |                     |        |        |                   |                       |              |        |               |         |                |       |       |  |  |  |  |  |
| Application No.: E-133164   |       | Date: 03.02.2025                                    |       |  |   |                                |        |       |                     |        |        |                   |                       |              |        |               |         |                |       |       |  |  |  |  |  |
| Design Approval Section   |       | قسم التصميم   |       | كابل توزيع الطاقة - إدارة توصيل الخدمات  |   | TOTAL CONNECTED LOAD PER PHASE |        | 35.59 | 37.10               | 36.48  | 118.00 |                   |                       | 1            | TOTAL  |               |         |                |       |       |  |  |  |  |  |
| Distribution Power -Connection Services   |       | في حال ابراء او تعميل على هذه المخططة تصرير لا ينفع |       | This is a DEWA Approved Document & Not Permitted any Correction, Alterations etc.... |   | 100.3                          |        |       |                     |        |        |                   |                       |              |        |               |         |                |       |       |  |  |  |  |  |
| MAX. DEMAND (3 PH)  |       | 92.786  | KW AT | 0.85   | DIVERSITY   | TOTAL CONNECTED LOAD (3 PH)    |        |       |                     |        |        |                   | KW                    | 109.16       |        |               |         |                |       |       |  |  |  |  |  |
| CONTRACTOR:   |       |   |       |  |   |                                |        |       |                     |        |        |                   |                       | JOB No.      | REV    |               |         |                |       |       |  |  |  |  |  |
| TYPE OF METER ( RATING OF INCOMER ) :   |       |   |       |  |   |                                |        |       |                     |        |        |                   |                       | (1) UPTO 60A |        | (2) UPTO 100A |         | (3) 125 - 160A |       |       |  |  |  |  |  |
|   |       |   |       |  |   |                                |        |       |                     |        |        |                   |                       | ( 1 PHASE )  |        | ( 3 PHASE )   |         |                |       |       |  |  |  |  |  |

Refer DEWA circular Ref:DP-VP-CS-GEN-0080-2024 dated 25-Jul-2024 regarding Specific Requirements to Incorporate During Construction For Preventing Entry of Water in to DBs (Distribution Boards), Conduits, Junction Boxes and Electrical Accessories & comply

|  |                                    |
|--|------------------------------------|
|  | 13 AMP SINLE SOCKET                |
|  | 13 AMP DOUBLE SOCKET               |
|  | SPLIT A/C                          |
|  | 13 AMP SINLE SOCKET WEATHER PROOF  |
|  | 13 AMP DOUBLE SOCKET WEATHER PROOF |
|  | 15 AMP SOCKET                      |
|  | COOKER WITH 45A DB SWITCH          |
|  | K.W.H METER                        |
|  | MAIN DISTRIBUTION BOARD            |
|  | SUB MAIN DISTRIBUTION BOARD        |
|  | DISTRIBUTION BOARD                 |

NOTE:-

CLIENT:  
DISTRICT ONE - FZ

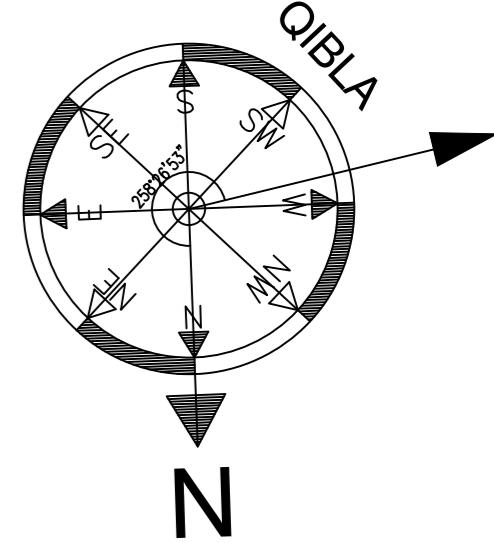
CONSULTANT:  


PROJECT:  
PROPOSED VILLA ( B+G + 1+ROOF )

LOCATION: AL MERKADH PLOT NO. 3470861

DRAWING TITLE: LOAD SUMMERY SHEET

|                |                  |           |
|----------------|------------------|-----------|
| JOB NO.        | DATE: 07/08/2022 | SHEET NO. |
| Sheet Size: A2 | Scale:           | E-116     |
| CHECKED BY:    |                  | NAME      |
| Architecture   |                  |           |
| Structure      |                  |           |
| MEP            |                  |           |



| Project :PROPOSED BASMENT+G+1 FLOOR VILLA |           |                          |             |                                    | DETAILS OF CONNECTED LOAD/MAX. DEMAND |            |              |                                   |                             |                           |                | LOCATION :                  |                                      |              |                |                                  |            |     |    |
|---|-----------|--------------------------|-------------|------------------------------------|---------------------------------------|------------|--------------|-----------------------------------|-----------------------------|---------------------------|----------------|-----------------------------|--------------------------------------|--------------|----------------|----------------------------------|------------|-----|----|
| PLANNED COMPLETION DATE :                 |           |                          |             |                                    |                                       |            |              |                                   |                             |                           |                |                             |                                      |              |                |                                  |            |     |    |
| PANEL ID : MDB                            |           |                          |             |                                    | OWNER : DISTRICT ONE-FZ               |            |              |                                   |                             |                           |                | AREA : AL MERKADH           |                                      |              |                |                                  |            |     |    |
| FED FROM : DEWA                           |           |                          |             |                                    | CONSULTANT :                          |            |              |                                   |                             |                           |                | PLOT NO 3470861             |                                      |              |                |                                  |            |     |    |
| CIRCUIT/<br>FEEDER<br>DB No.              | SP/<br>TP | RATING - AMPS            |             | FAULT<br>DUTY<br>KA                | CABLE TYPE                            | CABLE SIZE |              | ECC<br>SIZE<br>1C mm <sup>2</sup> | CONNECTED LOAD - KW         |                           |                | TOT                         | PROPOSED TYPE & No. OF kWh<br>METERS |              |                | Remarks                          |            |     |    |
|   |           | F/S<br>ISO               | MCCB<br>ACB |                                    |                                       | MCB        | XLPE/SWA/PVC |                                   | 2/4 X<br>1C mm <sup>2</sup> | 2/3/4C<br>mm <sup>2</sup> | R - PH<br>KW   |                             | Y - PH<br>KW                         | B - PH<br>KW | SP<br>(1)      |                                  | 3PH<br>(2) | (3) | CT |
| INCOMER                                   | 4P        | 200                      |             | 45                                 | XLPE/SWA/PVC                          | 4CX95      | 1CX50        | 35.587                            | 37.097                      | 36.477                    | 118.000        |                             |                                      | 200/5A       |                |                                  |            |     |    |
| DB-BAS                                    | TP        | 40A                      |             | 25                                 | XLPE/SWA/PVC                          |            | 4C*10        | 1C*10                             | <b>2.65</b>                 | <b>3.53</b>               | <b>2.65</b>    | <b>8.84</b>                 |                                      |              |                |                                  |            |     |    |
| DB-GF                                     | TP        | 40A                      |             | 25                                 | XLPE/SWA/PVC                          |            | 4C*16        | 1C*16                             | <b>3.05</b>                 | <b>3.17</b>               | <b>4.02</b>    | <b>10.24</b>                |                                      |              |                |                                  |            |     |    |
| DB-FF                                     | TP        | 40A                      |             | 25                                 | XLPE/SWA/PVC                          |            | 4C*16        | 1C*16                             | <b>4.90</b>                 | <b>4.65</b>               | <b>3.06</b>    | <b>12.61</b>                |                                      |              |                |                                  |            |     |    |
| DB-AC-GF                                  | TP        | 63A                      |             | 25                                 | XLPE/SWA/PVC                          |            | 4C*16        | 1C*16                             | <b>5.08</b>                 | <b>6.84</b>               | <b>6.84</b>    | <b>18.77</b>                |                                      |              |                |                                  |            |     |    |
| DB-AC-FF                                  | TP        | 63A                      |             | 25                                 | XLPE/SWA/PVC                          |            | 4C*16        | 1C*16                             | <b>9.29</b>                 | <b>9.16</b>               | <b>9.29</b>    | <b>27.74</b>                |                                      |              |                |                                  |            |     |    |
| LIFT                                      | TP        | 20A                      |             | 25                                 | XLPE/SWA/PVC                          |            | 4C*4         | 1C*4                              | <b>1.23</b>                 | <b>1.23</b>               | <b>1.23</b>    | <b>3.70</b>                 |                                      |              | ELCB 300/100mA |                                  |            |     |    |
| SWIMMING<br>POOL                          | TP        | 63A                      |             | 25                                 | XLPE/SWA/PVC                          |            | 4C*16        | 1C*16                             | <b>6.87</b>                 | <b>6.87</b>               | <b>6.87</b>    | <b>20.60</b>                |                                      |              | ELCB 63/10mA   |                                  |            |     |    |
| SAUNA BATH                                | TP        | 40A                      |             | 25                                 | XLPE/SWA/PVC                          |            | 4C*10        | 1C*10                             | <b>3.33</b>                 | <b>3.33</b>               | <b>3.33</b>    | <b>10.00</b>                |                                      |              | ELCB 40/10mA   |                                  |            |     |    |
| CAR LIFT                                  | TP        | <b>20</b> <del>32A</del> |             | 25                                 | XLPE/SWA/PVC                          |            | 4C*6         | 1C*6                              | <b>1.83</b>                 | <b>1.83</b>               | <b>1.83</b>    | <b>5.50</b>                 |                                      |              | ELCB 40/10mA   |                                  |            |     |    |
| LVP CONNECTED TO :                        |           |                          |             | TOTAL CONNECTED LOAD PER PHASE     |                                       |            |              | 35.587                            | 37.097                      | 36.477                    | <b>118.000</b> |                             |                                      | 0            | <b>300</b>     |                                  |            |     |    |
| MAX. DEMAND (3 PH)                        |           | 100.30                   | KW AT       | 0.85                               | DIVERSITY                             |            |              |                                   |                             |                           |                | <b>118.000</b>              | KW                                   |              |                |                                  |            |     |    |
|   |           |                          |             | Type of Meter (Rating of Incomer): |                                       |            |              | (1) Upto 60 A<br>(1 phase)        |                             |                           |                | (2) Upto 100 A<br>(2 phase) |                                      |              |                | (3) 125 - 160 A<br>(4) LV/ HV CT |            |     |    |

|  |                                    |
|--|------------------------------------|
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|  | 13 AMP DOUBLE SOCKET               |
|  | SPLIT A/C                          |
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|  | K.W.H METER                        |
|  | MAIN DISTRIBUTION BOARD            |
|  | SUB MAIN DISTRIBUTION BOARD        |
|  | DISTRIBUTION BOARD                 |

NOTE:-

CLIENT:  
DISTRICT ONE - FZ

CONSULTANT:  
  
TEL: +971 503991020 PHONE: 04 3797941 WWW.CROQUEE.LINE.AE

PROJECT:  
PROPOSED VILLA ( B+G + 1+ROOF )

LOCATION: AL MERKADH PLOT NO. 3470861

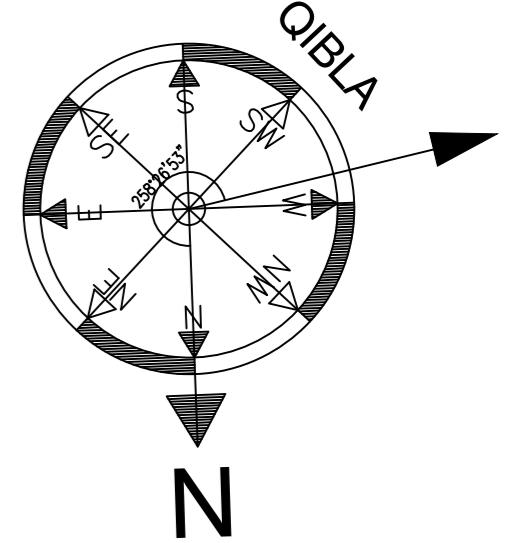
DRAWING TITLE: MDB

JOB NO. DATE: 07/08/2022 SHEET NO.

Sheet Size: Scale: A2

E-116

CHECKED BY: NAME REG. NO.  
Architecture  
Structure  
MEP

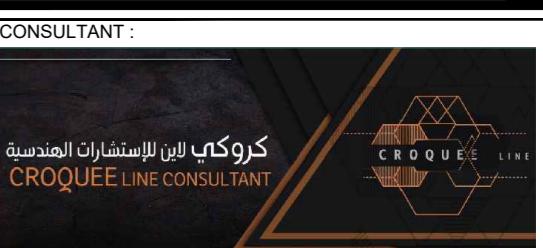


| PROJECT : PROPOSED BS+GF+1ST FLOOR VILLA  |                |         |         |              |                   |                   |                 | LOCATION: G.FLOOR      |           |           |                 |           |          |        |          |          |                  |             |              |          |           |         |          |            |                          |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---|----------------|---------|---------|--------------|-------------------|-------------------|-----------------|------------------------|-----------|-----------|-----------------|-----------|----------|--------|----------|----------|------------------|-------------|--------------|----------|-----------|---------|----------|------------|--------------------------|-----------------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| DB NO.: DB BASMENT  |                |         |         |              |                   |                   |                 |                        |           |           |                 |           |          |        |          |          |                  |             |              |          |           |         |          |            |                          |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| FED FROM: MDB   |                |         |         |              |                   |                   |                 |                        |           |           |                 |           |          |        |          |          |                  |             |              |          |           |         |          |            |                          |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| RATING OF INCOMER   | RATG. OF ELCB  | SL. NO. | CIR NO. | MCB RTG IN A | CCT WIRE SIZE mm² | ECC WIRE SIZE mm² | ROOM/AREA       | CONNECTED LOADS/POINTS |           |           |                 |           |          |        |          |          |                  |             |              |          |           |         |          |            |                          |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |
|   |                |         |         |              |                   |                   |                 | LED LGT 10W            | CHAND 100 | CHAND 300 | 60X60 LGT - 40W | EXFAN 100 | MIRR LGT | BKT GT | CELL LGT | FLOU LGT | 13A S/O TWIN S/O | 13A S/O A/C | 15A 'S' PUMP | WAT PUMP | BOOS PUMP | COO KER | ISO ATOR | WATT/ UNIT | LOAD PER CIRCUIT - WATTS | REMARKS         |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 40A TPN ISOLATOR  | 40 A 4P 100 MA | 1       | R1      | 10           | 2.5               | 2.5               | PARKING BASMENT |                        |           |           |                 |           |          |        |          |          | 6                |             |              |          |           |         | 20       | 120        |                          |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |
|   |                | 2       | Y1      | -            | -                 | -                 | SPACE           |                        |           |           |                 |           |          |        |          |          |                  |             |              |          |           |         | -        |            |                          |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |
|   |                | 3       | B1      | 10           | 2.5               | 2.5               | PARKING-BASEMNT |                        |           |           |                 |           |          |        |          |          | 6                |             |              |          |           |         | 20       |            | 120                      |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |
|   | 40 A 4P 100 MA | 4       | R2      | 20           | 6                 | 6.0               | MEP ROOM        |                        |           |           |                 |           |          |        |          |          |                  |             |              |          |           |         | 1,800    | 1800       |                          | UVR+TIMER+RELAY |  |  |  |  |  |  |  |  |  |  |  |  |  |
|   |                | 5       | Y2      | 20           | 6                 | 6.0               | MECH ROOM       |                        |           |           |                 |           |          |        |          |          |                  |             |              |          |           |         | 1,800    |            | 1,800                    |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |
|   |                | 6       | B2      | 20           | 6                 | 6.0               | PUMP ROOM       |                        |           |           |                 |           |          |        |          |          |                  |             |              |          |           |         | 1,800    |            | 1800                     |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |
|   | 40A 4P 30MA    | 7       | R3      |              |                   |                   |                 |                        |           |           |                 |           |          |        |          |          |                  | 5           |              |          |           |         | 200      | 1000       |                          | RING            |  |  |  |  |  |  |  |  |  |  |  |  |  |
|   |                | 8       | Y3      | 32           | 4                 | 4                 | BASMENT         |                        |           |           |                 |           |          |        |          |          |                  |             |              |          |           |         |          |            |                          |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |
|   |                | 9       | B3      |              |                   |                   |                 |                        |           |           |                 |           |          |        |          |          |                  |             |              |          |           |         |          |            |                          |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |
|   | 40 A 4P 30 MA  | 10      | RYB4    | -            | -                 | -                 | SPARE           |                        |           |           |                 |           |          |        |          |          |                  |             |              |          |           |         | 733.3333 |            |                          |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |
|   |                | 11      |         | 20           | 4                 | 4                 | CAR TURNER      |                        |           |           |                 |           |          |        |          |          |                  |             |              |          |           |         | 2200     |            | 733.3333                 |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |
|   |                | 12      |         | -            | -                 | -                 | SPARE           |                        |           |           |                 |           |          |        |          |          |                  |             |              |          |           |         |          | 733.3333   |                          |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TOTAL:  |                |         |         |              |                   |                   |                 |                        |           |           |                 |           |          |        |          |          |                  |             | 2,653        | 3,533    | 2,653     |         | 8,840    |            |                          |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| T.C.L. IN KW -  |                |         |         |              |                   |                   |                 | 8,840                  |           |           |                 |           |          |        |          |          |                  |             |              |          |           |         |          |            |                          |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CABLE SIZE: 4C x 10mm <sup>2</sup> Cu./PVC-XLPE/SWA/PVC + 1C x 10 mm <sup>2</sup> Cu, G/Y PVC, ECC  |                |         |         |              |                   |                   |                 |                        |           |           |                 |           |          |        |          |          |                  |             |              |          |           |         |          |            |                          |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| C. FAN - Ceiling Fan, EX. FAN = Exhaust Fan, SH. S/O = 'Shaver' Socket - outlet,<br>W/H = Water Heater, H/D = Hand Dryer, 'W' = Window type & 'S' = Split type. |                |         |         |              |                   |                   |                 |                        |           |           |                 |           |          |        |          |          |                  |             |              |          |           |         |          |            |                          |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |

|              |                                    |
|--------------|------------------------------------|
| D-           | 13 AMP SINLE SOCKET                |
| B-           | 13 AMP DOUBLE SOCKET               |
| S-           | SPLIT A/C                          |
| W/P          | 13 AMP SINLE SOCKET WEATHER PROOF  |
| W/P          | 13 AMP DOUBLE SOCKET WEATHER PROOF |
| 15           | 15 AMP SOCKET                      |
| +            | COOKER WITH 45A DB SWITCH          |
| M            | K.W.H METER                        |
| MAIN         | MAIN DISTRIBUTION BOARD            |
| SUB          | SUB MAIN DISTRIBUTION BOARD        |
| DISTRIBUTION | DISTRIBUTION BOARD                 |

NOTE:-

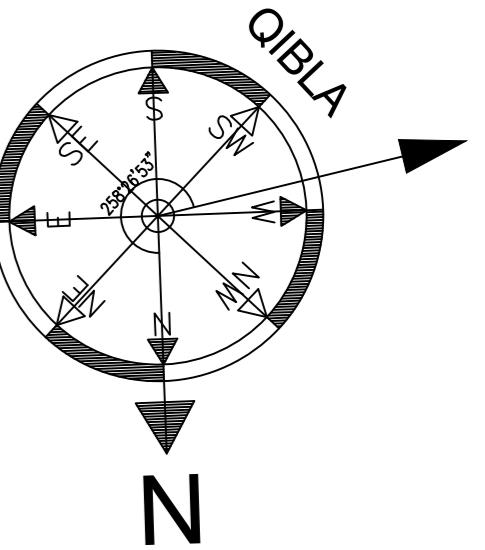
CLIENT: DISTRICT ONE - FZ



CONSULTANT :

PROJECT: PROPOSED VILLA ( B+G + 1+ROOF )

|                           |                  |
|---------------------------|------------------|
| LOCATION: AL MERKADH      | PLOT NO. 3470861 |
| DRAWING TITLE: DB-BASMENT |                  |
| JOB NO. A2                | DATE: 07/08/2022 |
| Sheet Size: A2            | Scale:           |
| E-112                     |                  |
| CHECKED BY: NAME          | REG. NO.         |
| Architecture              |                  |
| Structure                 |                  |
| MEP                       |                  |



|   |                   |
|---|-------------------|
| PROJECT: PROPOSED BS+GF+1ST FLOOR VILLA | LOCATION: G.FLOOR |
| DB NO.: DB GF                           |                   |
| FED FROM: MDB                           |                   |

| RATING OF INCOMER | RATG. OF ELCB     | SL. NO. | CIR NO. | MCB IN A | CCT WIRE SIZE mm² | ECC WIRE SIZE mm² | ROOM/AREA              | CONNECTED LOADS/POINTS |           |           |                 |           |         |         |          |          |         |           |          |         | WATT/    | LOAD PER CIRCUIT - WATTS |         |          | REMARKS |          |
|-------------------|-------------------|---------|---------|----------|-------------------|-------------------|------------------------|------------------------|-----------|-----------|-----------------|-----------|---------|---------|----------|----------|---------|-----------|----------|---------|----------|--------------------------|---------|----------|---------|----------|
|                   |                   |         |         |          |                   |                   |                        | LED LGT 10W            | CHAND 100 | CHAND 300 | 60X60 LGT - 40W | EXFAN 100 | MIRR GT | BKT LGT | CELL LGT | FLOU LGT | 13A S/O | 13 A TWIN | 15 A S/O | 'S' A/C | WAT PUMP | BOOS PUMP                | COO KER | ISO ATOR | UNIT    | R        |
| 40A TPN ISOLATOR  | 40 A 4P<br>100 MA | 1       | R1      | 10       | 2.5               | 2.5               | LIVING AREA            | 14                     | 2         |           |                 | 1         | 1       |         |          |          |         |           |          |         |          | 10-100-100-10            | 450     |          |         |          |
|                   |                   | 2       | Y1      | 10       | 2.5               | 2.5               | DINNING + OPEN KITCHEN | 14                     | 1         |           |                 |           |         |         |          |          |         |           |          |         |          | 10-100                   |         | 240      |         |          |
|                   |                   | 3       | B1      | 10       | 2.5               | 2.5               | KITCHEN                |                        |           | 5         |                 | 1         |         | 1       |          |          |         |           |          |         |          | 40-100-30                |         |          | 330     |          |
|                   |                   | 4       | R2      | 10       | 2.5               | 2.5               | LIVING AREA            |                        |           | 1         |                 |           |         |         |          |          |         |           |          |         |          | 300                      | 300     |          |         |          |
|                   |                   | 5       | Y2      | 10       | 2.5               | 2.5               | ENTRANCE HALL          | 9                      | 1         |           |                 |           |         |         |          |          |         |           |          |         |          | 10-100                   |         | 190      |         |          |
|                   |                   | 6       | B2      | 10       | 2.5               | 2.5               | STAIRS                 | 27                     |           |           |                 |           |         |         |          |          |         |           |          |         |          | 20                       |         |          | 270     |          |
|                   |                   | 7       | R3      | 10       | 2.5               | 2.5               | VILLA OUTSIDE          |                        |           |           |                 | 10        |         |         |          |          |         |           |          |         |          | 18                       | 180     |          |         |          |
|                   |                   | 8       | Y3      | 10       | 2.5               | 2.5               | MEP+WATER PM ROOM      |                        |           |           |                 |           | 6       |         |          |          |         |           |          |         |          | 20                       |         | 120      |         |          |
|                   |                   | 9       | B3      | -        | -                 | -                 | SPACE                  |                        |           |           |                 |           |         |         |          |          |         |           |          |         |          | -                        |         |          | -       |          |
|                   | 40 A 4P<br>100 MA | 10      | R4      | 10       | 3C*2.5mm          |                   | BOUNDARY WALL          |                        |           |           |                 | 12        |         |         |          |          |         |           |          |         |          | 18                       | 216     |          |         | ARMOURED |
|                   |                   | 11      | Y4      | 10       | 3C*2.5mm          |                   | BOUNDARYWALL           |                        |           |           |                 | 18        |         |         |          |          |         |           |          |         |          | 18                       |         | 324      |         | ARMOURED |
|                   |                   | 12      | B4      | -        | -                 | -                 | SPACE                  |                        |           |           |                 |           |         |         |          |          |         |           |          |         |          |                          |         |          | -       |          |
|                   |                   | 13      | R5      | -        | -                 | -                 | SPACE                  |                        |           |           |                 |           |         |         |          |          |         |           |          |         |          | 0                        |         |          |         |          |
|                   |                   | 14      | Y5      | -        | -                 | -                 | SPACE                  |                        |           |           |                 |           |         |         |          |          |         |           |          |         |          |                          |         |          | -       |          |
|                   |                   | 15      | B5      | 10       | -                 | -                 | SPARE                  |                        |           |           |                 |           |         |         |          |          |         |           |          |         |          |                          |         | 466      |         |          |
|                   | 40A 4P<br>30MA    | 16      | R6      | 32       | 4                 | 4                 | LIVING AREA            |                        |           |           |                 |           | 3       | 1       |          |          |         |           |          |         |          | 200-400                  | 1000    |          |         | RING     |
|                   |                   | 17      | Y6      | 20       | 4                 | 4                 | DINNING                |                        |           |           |                 |           | 4       |         |          |          |         |           |          |         |          | 400                      |         | 800      |         |          |
|                   |                   | 18      | B6      | 32       | 4                 | 4                 | KITCHEN                |                        |           |           |                 |           | 1       | 3       |          |          |         |           |          |         |          | 200-400                  |         |          | 1400    | RING     |
|                   |                   | 19      | R7      |          |                   |                   |                        |                        |           |           |                 |           |         |         |          |          |         |           |          |         |          |                          |         |          |         |          |
|                   |                   | 20      | Y7      | 20       | 4                 | 4                 | OPEN KITCHEN           |                        |           |           |                 |           | 3       |         |          |          |         |           |          |         |          | 200                      |         | 600      |         |          |
|                   |                   | 21      | B7      | 20       | 3C*4.0mm          |                   | BOUNDARY WALL          |                        |           |           |                 |           | 3       |         |          |          |         |           |          |         |          | 200                      |         |          | 600     | ARMOURED |
|                   | 40A 4P<br>30MA    | 22      | R8      | 20       | 3C*4.0mm          |                   | GATE MOTOR             |                        |           |           |                 |           |         |         |          |          |         |           |          |         | 1        | 500                      | 500     |          |         |          |
|                   |                   | 23      | Y8      | 20       | 4                 | 4                 | ENTRANCE HALL          |                        |           |           |                 |           | 2       |         |          |          |         |           |          |         |          | 200                      |         | 400      |         |          |
|                   |                   | 24      | B8      | 20       | 4                 | 4                 | STORE                  |                        |           |           |                 |           | 1       |         |          |          |         |           |          |         |          | 200                      |         |          | 200     |          |
|                   |                   | 25      | R9      | 20       | 4                 | 4                 | ONU                    |                        |           |           |                 |           | 1       |         |          |          |         |           |          |         |          | 200                      | 400     |          |         |          |
|                   |                   | 26      | Y9      | 20       | 4                 | 4                 | OPEN KITCHEN           |                        |           |           |                 |           | 1       |         |          |          |         |           |          |         |          | 500                      |         | 500      |         |          |
|                   |                   | 27      | B9      | 20       | 3C*4.0mm          |                   | TRANSFER PUMP          |                        |           |           |                 |           |         |         |          |          |         |           |          |         | 1        | 750                      |         |          | 750     |          |
|                   |                   |         |         |          |                   |                   | T.C.L. IN KW -         |                        | 10,236    |           |                 |           |         |         |          |          |         |           |          |         |          | 3,046                    | 3,174   | 4,016    | 10,236  |          |

CABLE SIZE: 4C x 16mm<sup>2</sup> Cu./PVC-XLPE/SWA/PVC + 1C x 16 mm<sup>2</sup> Cu, G/Y PVC, ECC

C. FAN - Ceiling Fan, EX. FAN = Exhaust Fan, SH. S/O = 'Shaver' Socket - outlet,

W/H = Water Heater, H/D = Hand Dryer, 'W' = Window type & 'S' = Split type.



PROJECT:  
PROPOSED VILLA ( B+G + 1+ROOF )

LOCATION: AL MERKADH PLOT NO. 3470861

DRAWING TITLE: DB-GF LIGHT & POWER

JOB NO. DATE: 07/08/2022 SHEET NO.

Sheet Size: A2 Scale:

E-112

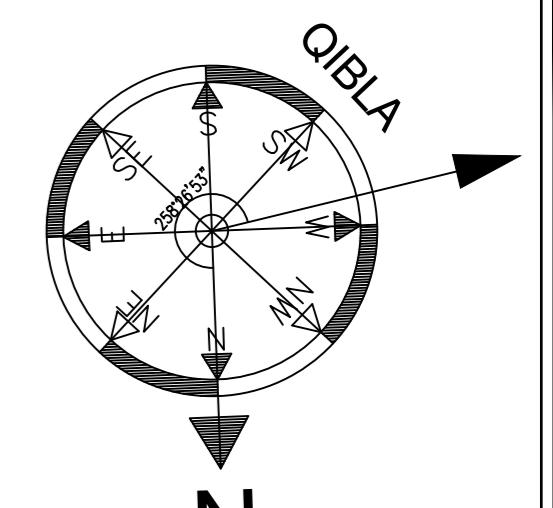
CHECKED BY: NAME REG. NO.

Architecture

Structure

MEP

| PROJECT : PROPOSED BS+GF+1ST FLOOR VILLA  |                |               |         |          |              |              |                       | LOCATION: G.FLOOR      |           |           |                 |            |          |        |          |      |         |          |         |         |                  |        |        |      |      |  |  |  |  |  |  |  |  |  |  |  |  |
|---|----------------|---------------|---------|----------|--------------|--------------|-----------------------|------------------------|-----------|-----------|-----------------|------------|----------|--------|----------|------|---------|----------|---------|---------|------------------|--------|--------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|
| DB NO.: DB FF   |                | FED FROM: MDB |         |          |              |              |                       |                        |           |           |                 |            |          |        |          |      |         |          |         |         |                  |        |        |      |      |  |  |  |  |  |  |  |  |  |  |  |  |
| RATING OF INCOMER   | RATG. OF ELCB  | SL. NO.       | CIR NO. | MCB IN A | CCT SIZE mm² | ECC WIRE mm² | ROOM/AREA             | CONNECTED LOADS/POINTS |           |           |                 |            |          |        |          |      |         |          |         | REMARKS |                  |        |        |      |      |  |  |  |  |  |  |  |  |  |  |  |  |
|   |                |               |         |          |              |              |                       | LED LGT 20W            | CHANd 100 | CHANd 300 | 60X60 LGT - 40W | EX FAN 100 | MIRR LGT | BKT GT | CELL LGT | FLOU | 13A S/O | 13A TWIN | 15A S/O | 'S' A/C | WATT/ UNIT       | R      | Y      | B    |      |  |  |  |  |  |  |  |  |  |  |  |  |
| 40A TPN ISOLATOR  | 40 A 4P 100 MA | 1             | R1      | 10       | 2.5          | 2.5          | BEDROOM-01            | 12                     | 1         |           |                 | 1          | 1        |        |          |      |         |          |         |         | 10-100-100-10    | 330    |        |      |      |  |  |  |  |  |  |  |  |  |  |  |  |
|   |                | 2             | Y1      | 10       | 2.5          | 2.5          | BEDROOM-02            | 17                     | 1         |           |                 | 2          | 2        |        |          |      |         |          |         |         | 10-100-100-10    |        | 490    |      |      |  |  |  |  |  |  |  |  |  |  |  |  |
|   |                | 3             | B1      | 10       | 2.5          | 2.5          | BEDROOM-03            | 21                     | 1         |           |                 | 1          | 1        | 2      |          |      |         |          |         |         | 10-100-100-10-40 |        | 500    |      |      |  |  |  |  |  |  |  |  |  |  |  |  |
|   |                | 4             | R2      | 10       | 2.5          | 2.5          | MASTER BED/ROOM       | 18                     | 1         |           |                 | 1          | 1        | 2      |          |      |         |          |         |         | 10-100-100-10-40 | 470    |        |      |      |  |  |  |  |  |  |  |  |  |  |  |  |
|   |                | 5             | Y2      | 10       | 2.5          | 2.5          | CORRIDOR              | 10                     | 1         |           |                 |            |          |        |          |      |         |          |         |         | 10-100           |        | 200    |      |      |  |  |  |  |  |  |  |  |  |  |  |  |
|   |                | 6             | B2      | 10       | 2.5          | 2.5          | CORRIDOR+STAITS LOBBY | 16                     | 1         |           |                 |            |          |        |          |      |         |          |         |         | 10-100           |        | 260.00 |      |      |  |  |  |  |  |  |  |  |  |  |  |  |
|   |                | 7             | R3      | -        | -            | -            | SPACE                 |                        |           |           |                 |            |          |        |          |      |         |          |         |         |                  |        |        |      |      |  |  |  |  |  |  |  |  |  |  |  |  |
|   |                | 8             | Y3      | -        | -            | -            | SPACE                 |                        |           |           |                 |            |          |        |          |      |         |          |         |         |                  |        |        |      |      |  |  |  |  |  |  |  |  |  |  |  |  |
|   |                | 9             | B3      | -        | -            | -            | SPACE                 |                        |           |           |                 |            |          |        |          |      |         |          |         |         |                  | 0      |        |      |      |  |  |  |  |  |  |  |  |  |  |  |  |
|   | 40 A 4P 100 MA | 10            | R4      | 10       | 2.5          | 2.5          | MEDROOM-04/ MEZZANINE | 19                     | 1         |           |                 | 1          | 1        |        |          |      |         |          |         |         | 10-100-100-10-40 | 400.00 |        |      |      |  |  |  |  |  |  |  |  |  |  |  |  |
|   |                | 11            | Y4      | 10       | 2.5          | 2.5          | ROOF                  |                        |           |           |                 |            |          | 9      |          |      |         |          |         |         |                  | 18     |        | 162  |      |  |  |  |  |  |  |  |  |  |  |  |  |
|   |                | 12            | B4      | 10       | -            | -            | SPARE                 |                        |           |           |                 |            |          |        |          |      |         |          |         |         |                  |        |        | 100  |      |  |  |  |  |  |  |  |  |  |  |  |  |
|   | 40A 4P 30MA    | 13            | R5      | 32       | 4            | 4            | BEDROOM-01            |                        |           |           |                 |            |          |        |          |      | 3       | 1        |         |         | 200-400          | 1000   |        |      | RING |  |  |  |  |  |  |  |  |  |  |  |  |
|   |                | 14            | Y5      | 32       | 4            | 4            | BEDROOM-02            |                        |           |           |                 |            |          |        |          |      | 3       | 1        |         |         | 2--400           |        | 1000   |      | RING |  |  |  |  |  |  |  |  |  |  |  |  |
|   |                | 15            | B5      | 32       | 4            | 4            | BEDROOM-03            |                        |           |           |                 |            |          |        |          |      | 4       | 1        |         |         | 200-400          |        |        | 1200 | RING |  |  |  |  |  |  |  |  |  |  |  |  |
|   |                | 16            | R6      | 32       | 4            | 4            | MASTER BED/ROOM       |                        |           |           |                 |            |          |        |          |      | 4       | 1        |         |         | 200              | 1200   |        |      | RING |  |  |  |  |  |  |  |  |  |  |  |  |
|   |                | 17            | Y6      | 20       | 4            | 4            | CORRIDOR              |                        |           |           |                 |            |          |        |          |      | 4       |          |         |         | 200              |        | 800    |      |      |  |  |  |  |  |  |  |  |  |  |  |  |
|   |                | 18            | B6      | 20       |              |              | SPARE                 |                        |           |           |                 |            |          |        |          |      |         |          |         |         |                  |        |        | 200  |      |  |  |  |  |  |  |  |  |  |  |  |  |
|   | 40A 4P 30MA    | 19            | R7      | -        | -            | -            | SPACE                 |                        |           |           |                 |            |          |        |          |      |         |          |         |         |                  |        |        |      |      |  |  |  |  |  |  |  |  |  |  |  |  |
|   |                | 20            | Y7      | -        | -            | -            | SPACE                 |                        |           |           |                 |            |          |        |          |      |         |          |         |         |                  |        |        |      |      |  |  |  |  |  |  |  |  |  |  |  |  |
|   |                | 21            | B7      | -        | -            | -            | SPACE                 |                        |           |           |                 |            |          |        |          |      |         |          |         |         |                  |        |        |      |      |  |  |  |  |  |  |  |  |  |  |  |  |
|   |                | 22            | R8      | 20       | 4            | 4            | BOOSTER PUMP          |                        |           |           |                 |            |          |        |          |      |         |          | 1       | 500     | 500              |        |        |      |      |  |  |  |  |  |  |  |  |  |  |  |  |
|   |                | 23            | Y8      | 20       | 4            | 4            | SOLAR WH              |                        |           |           |                 |            |          |        |          |      |         |          | 1       | 2000    |                  | 2000   |        |      |      |  |  |  |  |  |  |  |  |  |  |  |  |
|   |                | 24            | B8      | -        | -            | -            | SPACE                 |                        |           |           |                 |            |          |        |          |      |         |          |         |         |                  |        |        |      |      |  |  |  |  |  |  |  |  |  |  |  |  |
|   | 40A 4P 30MA    | 25            | R9      | 32       | 4            | 4            | BEDRRROM/04           |                        |           |           |                 |            |          |        |          |      | 5       |          |         |         | 200-400          | 1000   |        |      | RING |  |  |  |  |  |  |  |  |  |  |  |  |
|   |                | 26            | Y9      | -        | -            | -            | SPACE                 |                        |           |           |                 |            |          |        |          |      |         |          |         |         |                  |        |        |      |      |  |  |  |  |  |  |  |  |  |  |  |  |
|   |                | 27            | B9      | 20       | 4            | 4            | ROOF                  |                        |           |           |                 |            |          |        |          |      | 4       |          |         |         |                  |        |        | 800  |      |  |  |  |  |  |  |  |  |  |  |  |  |
|   |                | TOTAL:        |         |          |              |              |                       |                        |           |           |                 |            |          |        |          |      |         |          | 4,900   | 4,652   | 3,060            |        | 12,612 |      |      |  |  |  |  |  |  |  |  |  |  |  |  |
| T.C.L. IN KW -  |                |               |         |          |              |              |                       | 12,612                 |           |           |                 |            |          |        |          |      |         |          |         |         |                  |        |        |      |      |  |  |  |  |  |  |  |  |  |  |  |  |
| CABLE SIZE: 4C x 16mm <sup>2</sup> Cu./PVC-XLPE/SWA/PVC + 1C x 16 mm <sup>2</sup> Cu, G/Y PVC, ECC  |                |               |         |          |              |              |                       |                        |           |           |                 |            |          |        |          |      |         |          |         |         |                  |        |        |      |      |  |  |  |  |  |  |  |  |  |  |  |  |
| C. FAN - Ceiling Fan, EX. FAN = Exhaust Fan, SH. S/O = 'Shaver' Socket - outlet,<br>W/H = Water Heater, H/D = Hand Dryer, 'W' = Window type & 'S' = Split type. |                |               |         |          |              |              |                       |                        |           |           |                 |            |          |        |          |      |         |          |         |         |                  |        |        |      |      |  |  |  |  |  |  |  |  |  |  |  |  |



|                                    |                      |
|------------------------------------|----------------------|
| D-                                 | 13 AMP SINLE SOCKET  |
| B-                                 | 13 AMP DOUBLE SOCKET |
| SPLIT A/C                          |                      |
| 13 AMP SINLE SOCKET WEATHER PROOF  |                      |
| 13 AMP DOUBLE SOCKET WEATHER PROOF |                      |
| 15 AMP SOCKET                      |                      |
| COOKER WITH 45A DB SWITCH          |                      |
| M                                  | K.W.H METER          |
| MAIN DISTRIBUTION BOARD            |                      |
| SUB MAIN DISTRIBUTION BOARD        |                      |
| DISTRIBUTION BOARD                 |                      |

NOTE:-

CLIENT:

SAFWAN M MOHAMED AL BAYATTI

CONSULTANT :



PROJECT:

PROPOSED VILLA ( B+G + 1+R )

LOCATION: AL MERKADH PLOT NO. 3470861

DRAWING TITLE:

DB-FF LIGHT & POWER

JOB NO. DATE: 07/08/2022 SHEET NO.

Sheet Size: A2 Scale: E-113

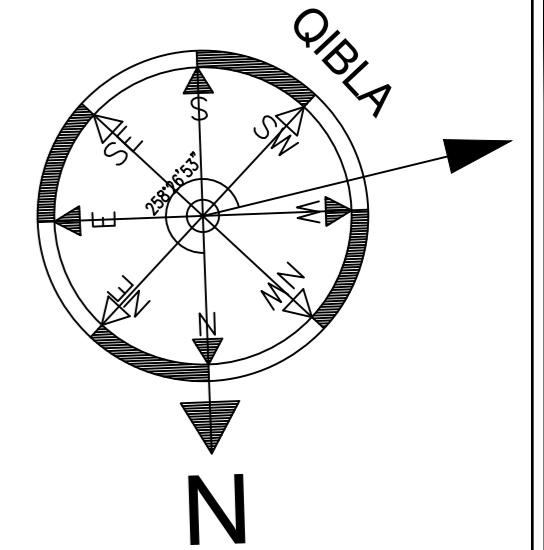
CHECKED BY: NAME REG. NO.

Architecture

Structure

MEP

The actual load proposed for the Air conditioning units shall be confirmed at the site inspection as per the nameplate. Ensure that the technical data of the proposed AC units are available at the site.



| PROJE PROPOSED BS+GF+1ST FLOOR VILLA |                 |         |          |                 |                               |                               | LOAD DISTRIBUTION SCHEDULE |     |           |      |        |       |      |           |         |          |          |         | LOCATION : SITTING |                       |         |                 |                 |  |
|--------------------------------------|-----------------|---------|----------|-----------------|-------------------------------|-------------------------------|----------------------------|-----|-----------|------|--------|-------|------|-----------|---------|----------|----------|---------|--------------------|-----------------------|---------|-----------------|-----------------|--|
| DB NOS. : DB- AC-GF                  |                 |         |          |                 |                               |                               |                            |     |           |      |        |       |      |           |         |          |          |         |                    |                       |         |                 |                 |  |
| FED FROM : MDB                       |                 |         |          |                 |                               |                               |                            |     |           |      |        |       |      |           |         |          |          |         |                    |                       |         |                 |                 |  |
| RATING OF INC OMER                   | RATING OF FELCB | SL. No. | CIRC No. | MCB RTG. IN AMP | CCT WIRE SIZE mm <sup>2</sup> | ECC WIRE SIZE mm <sup>2</sup> | CONNECTED LOAD / POINTS    |     |           |      |        |       |      |           |         |          |          |         | WAT T/JN           | LOAD PER CIRCUIT WATT | REMARKS |                 |                 |  |
|                                      |                 |         |          |                 |                               |                               | LOCATION                   | LTG | LED STRIP | S.L. | CHA N. | DEC O | BELL | CEIL. FAN | Ex/FA N | 13AS S/O | 13AD S/O | 15AS /O | W/H                | SPLIT AC              | C.U     | F.C.U           |                 |  |
| 63A TPN ISOLATOR                     | 40A 4P<br>100mA | 1       | RYB1     | 20A TPN         | 4Cx6mm <sup>2</sup>           | 1Cx6mm <sup>2</sup>           | LIVING AREA                |     |           |      |        |       |      |           |         |          |          |         | 1540               |                       |         | UVR+TIMER+RELAY |                 |  |
|                                      |                 | 2       |          |                 |                               |                               |                            |     |           |      |        |       |      |           |         |          |          |         | 4620               | 1540                  |         |                 |                 |  |
|                                      |                 | 3       |          |                 |                               |                               |                            |     |           |      |        |       |      |           |         |          |          |         |                    | 1540                  |         |                 |                 |  |
|                                      |                 | 4       | R2       | 20              | 4                             | 4                             | FCU-01                     |     |           |      |        |       |      |           |         |          |          |         | 1                  | 380                   | 380     |                 |                 |  |
|                                      |                 | 5       | Y2       |                 |                               |                               |                            |     |           |      |        |       |      |           |         |          |          |         |                    |                       |         |                 |                 |  |
|                                      |                 | 6       | B2       |                 |                               |                               |                            |     |           |      |        |       |      |           |         |          |          |         |                    |                       |         |                 |                 |  |
|                                      | 40A 4P<br>100mA | 7       | RYB3     | 20A TPN         | 4Cx6mm <sup>2</sup>           | 1Cx6mm <sup>2</sup>           | DINNING                    |     |           |      |        |       |      |           |         |          |          |         | 1540               |                       |         | UVR+TIMER+RELAY |                 |  |
|                                      |                 | 8       |          |                 |                               |                               |                            |     |           |      |        |       |      |           |         |          |          |         | 4620               | 1540                  |         |                 |                 |  |
|                                      |                 | 9       |          |                 |                               |                               |                            |     |           |      |        |       |      |           |         |          |          |         |                    | 1540                  |         |                 |                 |  |
|                                      |                 | 10      | R4       |                 |                               |                               |                            |     |           |      |        |       |      |           |         |          |          |         | 1                  | 380                   | 380     |                 |                 |  |
|                                      |                 | 11      | Y4       | 20              | 4                             | 4                             | FCU-02                     |     |           |      |        |       |      |           |         |          |          |         |                    |                       |         |                 |                 |  |
|                                      |                 | 12      | B4       |                 |                               |                               |                            |     |           |      |        |       |      |           |         |          |          |         |                    |                       |         |                 |                 |  |
|                                      | 40A 4P<br>100mA | 13      | RYB5     | 20A TPN         | 4Cx6mm <sup>2</sup>           | 1Cx6mm <sup>2</sup>           | OPEN KITCHEN               |     |           |      |        |       |      |           |         |          |          | 1       | 3554               | 1185                  |         | UVR+TIMER+RELAY |                 |  |
|                                      |                 | 14      |          |                 |                               |                               |                            |     |           |      |        |       |      |           |         |          |          |         |                    | 1185                  |         |                 |                 |  |
|                                      |                 | 15      |          |                 |                               |                               |                            |     |           |      |        |       |      |           |         |          |          |         |                    | 1184.7                |         |                 |                 |  |
|                                      |                 | 16      | R6       |                 |                               |                               |                            |     |           |      |        |       |      |           |         |          |          |         | 1                  | 380                   | 380     |                 |                 |  |
|                                      |                 | 17      | Y6       |                 |                               |                               |                            |     |           |      |        |       |      |           |         |          |          |         |                    |                       |         |                 |                 |  |
|                                      |                 | 18      | B6       | 20              | 4                             | 4                             | FCU-03                     |     |           |      |        |       |      |           |         |          |          |         | 1                  | 220                   | 220     |                 |                 |  |
|                                      | 40A 4P<br>100mA | 19      | R7       | 20              | 4                             | 4                             | FCU-04                     |     |           |      |        |       |      |           |         |          |          |         | 1                  | 2200                  | 2200    |                 | UVR+TIMER+RELAY |  |
|                                      |                 | 20      | Y7       | 25              | 6                             | 6                             | KITCHEN                    |     |           |      |        |       |      |           |         |          |          |         | 1                  | 2200                  | 2200    |                 |                 |  |
|                                      |                 | 21      | B7       |                 |                               |                               |                            |     |           |      |        |       |      |           |         |          |          |         |                    |                       |         |                 |                 |  |
|                                      | 40A 4P<br>100mA | 22      | R8       | 20              | 4                             | 4                             | FCU-05                     |     |           |      |        |       |      |           |         |          |          |         | 1                  | 220                   | 220     |                 |                 |  |
|                                      |                 | 23      | Y8       |                 |                               |                               |                            |     |           |      |        |       |      |           |         |          |          |         | 1                  | 2200                  | 2200    |                 | UVR+TIMER+RELAY |  |
|                                      |                 | 24      | B8 20    | 32              | 6                             | 6                             | ENTRANCE                   |     |           |      |        |       |      |           |         |          |          |         | 1                  | 2200                  | 2200    |                 |                 |  |

Decolight = 100 watts, Bell = 100 Watts, Lights = 10,14,20,25,36,40 watts, Spotlight = 5 watts, Exhaust Fan = 100 watts, 13A SS/O = 200 watts, 13A DSS/O = 400 watts, 15A sockets = 1000 watts, Water Heater = 1500 watts

CABLE SIZE : 4C x16mm<sup>2</sup> Cu./XLPE/SWA/PVC + 1C x 16mm<sup>2</sup> CU/PVC/ G-Y ECC.

LTG = Lighting, F/O = Flex Outlet for display unit, ISO = Isolator, FCU = Fan Coil Unit

FCU = Fan Coil Unit, W/H.=Water Heater, SS/O= Socket/Outlet, DS/O = Double socket/Outlet

TOTAL 5085 6845 6844.7

TOTAL CONNECTED LOAD IN kW 18.774

|        |
|--------|
| NOTE:- |
|--------|

|         |                   |
|---------|-------------------|
| CLIENT: | DISTRICT ONE - FZ |
|---------|-------------------|



PROJECT:  
PROPOSED VILLA ( B+G + 1+ROOF )

LOCATION: AL MERKADH PLOT NO. 3470861

|                |          |           |
|----------------|----------|-----------|
| DRAWING TITLE: | DB-GF AC |           |
| JOB NO.        | DATE:    | SHEET NO. |
| Sheet Size:    | Scale:   | A2        |
| E-114          |          | NAME      |
| CHECKED BY:    |          | REG. NO.  |
| Architecture   |          |           |
| Structure      |          |           |
| MEP            |          |           |

PROJE/PROPOSED BS+GF+1ST FLOOR VILLA  
DB NOS. : DB- AC-FF

FED FROM : MDB

| LOAD DISTRIBUTION SCHEDULE |                 |         |          |                 |                               |                               |                           | LOCATION : SITTING      |           |     |        |       |      |           |         |          |          |            |                       |         |          |                 |                 |                 |
|----------------------------|-----------------|---------|----------|-----------------|-------------------------------|-------------------------------|---------------------------|-------------------------|-----------|-----|--------|-------|------|-----------|---------|----------|----------|------------|-----------------------|---------|----------|-----------------|-----------------|-----------------|
| RATING OF INC OMER         | RATING OF ELCB  | SL. No. | CIRC No. | MCB RTG. IN AMP | CCT WIRE SIZE mm <sup>2</sup> | ECC WIRE SIZE mm <sup>2</sup> | LOCATION                  | CONNECTED LOAD / POINTS |           |     |        |       |      |           |         |          |          | WAT TUN IT | LOAD PER CIRCUIT WATT | REMARKS |          |                 |                 |                 |
|                            |                 |         |          |                 |                               |                               |                           | LTG                     | LED STRIP | S.L | CHA N. | DEC O | BELL | CEIL. FAN | Ex FA N | 13AS S/O | 13AD S/O | 15AS /O    | W/H                   | SPLIT   | SPLIT AC | C.U             | F.C.U           | R               |
| 40A 4P<br>100mA            | 40A 4P<br>100mA | 1       | R1       | 20A TPN         | 4Cx6mm <sup>2</sup>           | 1Cx6mm <sup>2</sup>           | BEDROOM-02                |                         |           |     |        |       |      |           |         |          |          |            | 4620                  | 1540    |          |                 |                 | UVR+TIMER+RELAY |
|                            |                 | 2       | Y1       |                 |                               |                               |                           |                         |           |     |        |       |      |           |         |          |          |            |                       | 1540    |          |                 |                 |                 |
|                            |                 | 3       | B1       |                 |                               |                               |                           |                         |           |     |        |       |      |           |         |          |          |            |                       | 1540    |          |                 |                 |                 |
|                            |                 | 4       | R2       | 20              | 4                             | 4                             | FCU-01                    |                         |           |     |        |       |      |           |         |          |          |            | 1                     | 380     | 380      |                 |                 |                 |
|                            |                 | 5       | Y2       |                 |                               |                               |                           |                         |           |     |        |       |      |           |         |          |          |            |                       |         |          |                 |                 |                 |
|                            |                 | 6       | B2       |                 |                               |                               |                           |                         |           |     |        |       |      |           |         |          |          |            |                       |         |          |                 |                 |                 |
| 40A 4P<br>100mA            | 40A 4P<br>100mA | 7       | R3       | 20A TPN         | 4Cx6mm <sup>2</sup>           | 1Cx6mm <sup>2</sup>           | BEDROOM-03                |                         |           |     |        |       |      |           |         |          |          | 4620       | 1540                  |         |          |                 | UVR+TIMER+RELAY |                 |
|                            |                 | 8       | Y3       |                 |                               |                               |                           |                         |           |     |        |       |      |           |         |          |          |            | 1540                  |         |          |                 |                 |                 |
|                            |                 | 9       | B3       |                 |                               |                               |                           |                         |           |     |        |       |      |           |         |          |          |            | 1540                  |         |          |                 |                 |                 |
|                            |                 | 10      | R4       |                 |                               |                               |                           |                         |           |     |        |       |      |           |         |          |          | 1          | 380                   | 380     |          |                 |                 |                 |
|                            |                 | 11      | Y4       | 20              | 4                             | 4                             | FCU-02                    |                         |           |     |        |       |      |           |         |          |          | 1          | 380                   | 380     |          |                 |                 |                 |
|                            |                 | 12      | B4       |                 |                               |                               |                           |                         |           |     |        |       |      |           |         |          |          |            |                       |         |          |                 |                 |                 |
| 40A 4P<br>100mA            | 40A 4P<br>100mA | 13      | R5       | 20A TPN         | 4Cx6mm <sup>2</sup>           | 1Cx6mm <sup>2</sup>           | MASTER BEDROOM            |                         |           |     |        |       |      |           |         |          | 4620     | 1540       |                       |         |          | UVR+TIMER+RELAY |                 |                 |
|                            |                 | 14      | Y5       |                 |                               |                               |                           |                         |           |     |        |       |      |           |         |          |          | 1540       |                       |         |          |                 |                 |                 |
|                            |                 | 15      | B5       |                 |                               |                               |                           |                         |           |     |        |       |      |           |         |          |          | 1540       |                       |         |          |                 |                 |                 |
|                            |                 | 16      | R6       |                 |                               |                               |                           |                         |           |     |        |       |      |           |         |          |          |            |                       |         |          |                 |                 |                 |
|                            |                 | 17      | Y6       |                 |                               |                               |                           |                         |           |     |        |       |      |           |         |          |          |            |                       |         |          |                 |                 |                 |
|                            |                 | 18      | B6       | 20              | 4                             | 4                             | FCU-03                    |                         |           |     |        |       |      |           |         |          | 1        | 380        |                       | 380     |          |                 |                 |                 |
| 40A 4P<br>100mA            | 40A 4P<br>100mA | 19      | R7       | 20A TPN         | 4Cx6mm <sup>2</sup>           | 1Cx6mm <sup>2</sup>           | BEDROOM-01                |                         |           |     |        |       |      |           |         |          | 3554     | 1185       |                       |         |          | UVR+TIMER+RELAY |                 |                 |
|                            |                 | 20      | Y7       |                 |                               |                               |                           |                         |           |     |        |       |      |           |         |          |          | 1185       |                       |         |          |                 |                 |                 |
|                            |                 | 21      | B7       |                 |                               |                               |                           |                         |           |     |        |       |      |           |         |          |          | 1184.7     |                       |         |          |                 |                 |                 |
|                            |                 | 22      | R8       |                 |                               |                               |                           |                         |           |     |        |       |      |           |         |          |          |            |                       |         |          |                 |                 |                 |
|                            |                 | 23      | Y8       |                 |                               |                               |                           |                         |           |     |        |       |      |           |         |          |          |            |                       |         |          |                 |                 |                 |
|                            |                 | 24      | B8       | 20              | 4                             | 4                             | FCU-04                    |                         |           |     |        |       |      |           |         |          | 1        | 380        |                       | 380     |          |                 |                 |                 |
| 40A 4P<br>100mA            | 40A 4P<br>100mA | 25      | R9       | 20A TPN         | 4Cx6mm <sup>2</sup>           | 1Cx6mm <sup>2</sup>           | BEDROOM-04/<br>MEZZANINE  |                         |           |     |        |       |      |           |         |          | 4620     | 1540       |                       |         |          | UVR+TIMER+RELAY |                 |                 |
|                            |                 | 26      | Y9       |                 |                               |                               |                           |                         |           |     |        |       |      |           |         |          |          | 1540       |                       |         |          |                 |                 |                 |
|                            |                 | 27      | B9       |                 |                               |                               |                           |                         |           |     |        |       |      |           |         |          |          | 1540       |                       |         |          |                 |                 |                 |
|                            |                 | 28      | R10      | 20              | 4                             | 4                             | FCU-05                    |                         |           |     |        |       |      |           |         |          | 1        | 380        | 380                   |         |          |                 |                 |                 |
|                            |                 | 29      | Y10      |                 |                               |                               |                           |                         |           |     |        |       |      |           |         |          |          |            |                       |         |          |                 |                 |                 |
|                            |                 | 30      | B10      |                 |                               |                               |                           |                         |           |     |        |       |      |           |         |          |          |            |                       |         |          |                 |                 |                 |
| 40A 4P<br>100mA            | 40A 4P<br>100mA | 31      | R11      | 20A TPN         | 4Cx6mm <sup>2</sup>           | 1Cx6mm <sup>2</sup>           | CORRIDOR+<br>STAIRS LOBBY |                         |           |     |        |       |      |           |         |          | 3554     | 1185       |                       |         |          | UVR+TIMER+RELAY |                 |                 |
|                            |                 | 32      | Y11      |                 |                               |                               |                           |                         |           |     |        |       |      |           |         |          |          | 1185       |                       |         |          |                 |                 |                 |
|                            |                 | 33      | B11      |                 |                               |                               |                           |                         |           |     |        |       |      |           |         |          |          | 1184.7     |                       |         |          |                 |                 |                 |
|                            |                 | 34      | R12      |                 |                               |                               |                           |                         |           |     |        |       |      |           |         |          |          |            |                       |         |          |                 |                 |                 |
|                            |                 | 35      | Y12      | 20              | 4                             | 4                             | FCU-06                    |                         |           |     |        |       |      |           |         |          | 1        | 250        |                       | 250     |          |                 |                 |                 |
|                            |                 | 36      | B12      |                 |                               |                               |                           |                         |           |     |        |       |      |           |         |          |          |            |                       |         |          |                 |                 |                 |

Decolight = 100 watts, Bell = 100 Watts, Lights = 10,14,20;25,36,40 watts,  
Spotlight = 5 watts, Exhaust Fan = 100 watts, 13A SS/O = 200 watts, 13A DSS/O = 400 watts, 15A sockets = 1000 watts, Water Heater = 1500 watts

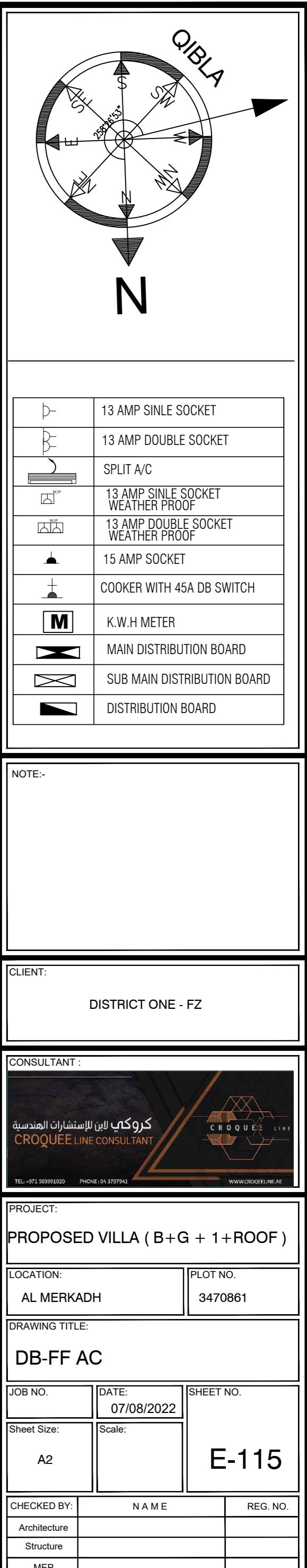
CABLE SIZE : 4C x16mm<sup>2</sup> Cu./XLPE /SWA/PVC + 1C x 16mm<sup>2</sup> CU/PVC/ G-Y  
ECC.

LTG = Lighting, F/O = Flex Outlet for display unit, ISO = Isolator, FCU = Fan Coil Unit

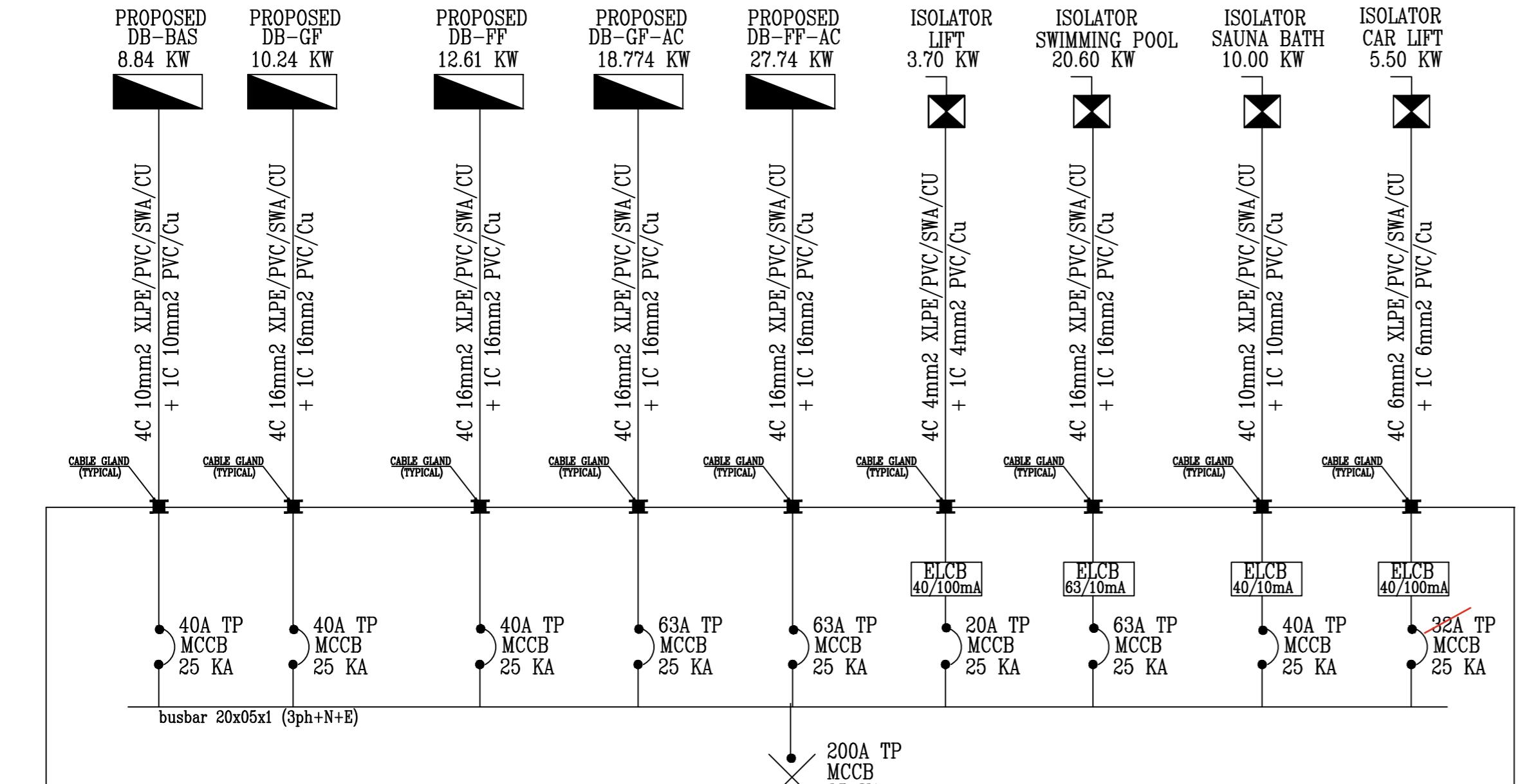
FCU = Fan Coil Unit, W/H.=Water Heater, SS/O= Socket/Outlet, DS/O = Double socket/Outlet

TOTAL 9289 9159 9289.3

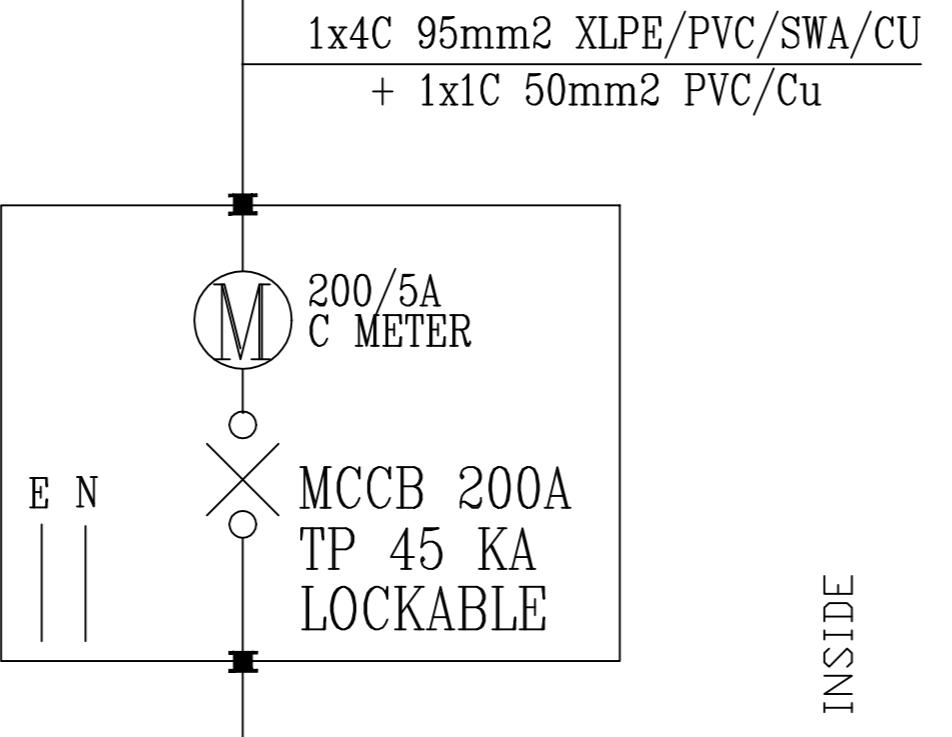
TOTAL CONNECTED LOAD IN KW 27.738



Refer schedules for correction/comments in the cable and breaker rating and comply.

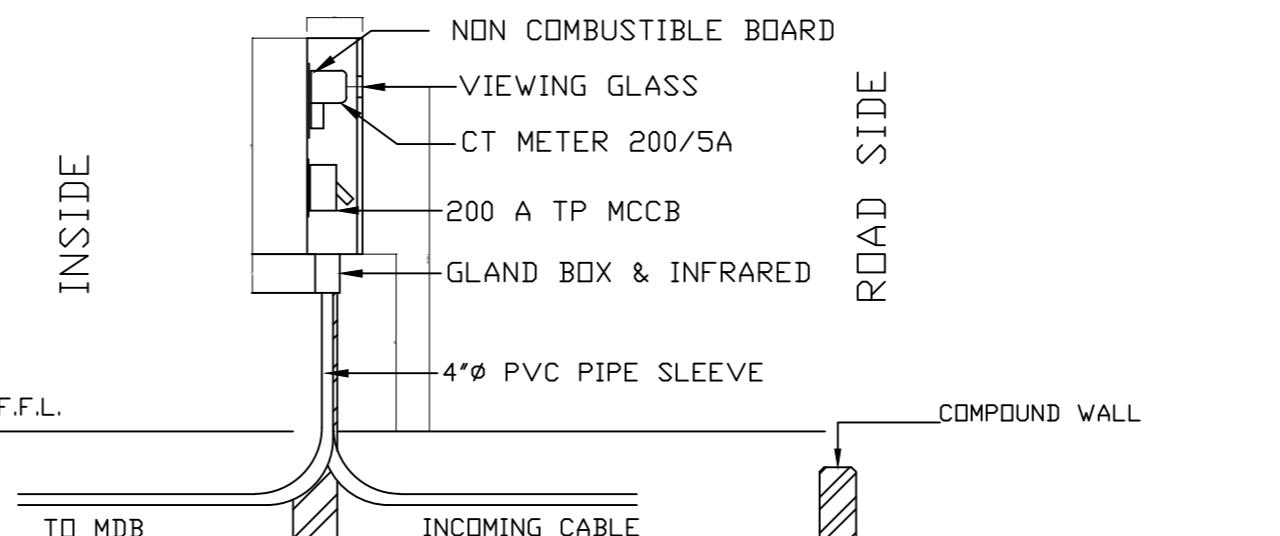


2x1C 50mm<sup>2</sup> PVC/Cu  
DISTANCE=6 METERS  
EARTH PIT-1 EARTH PIT-2

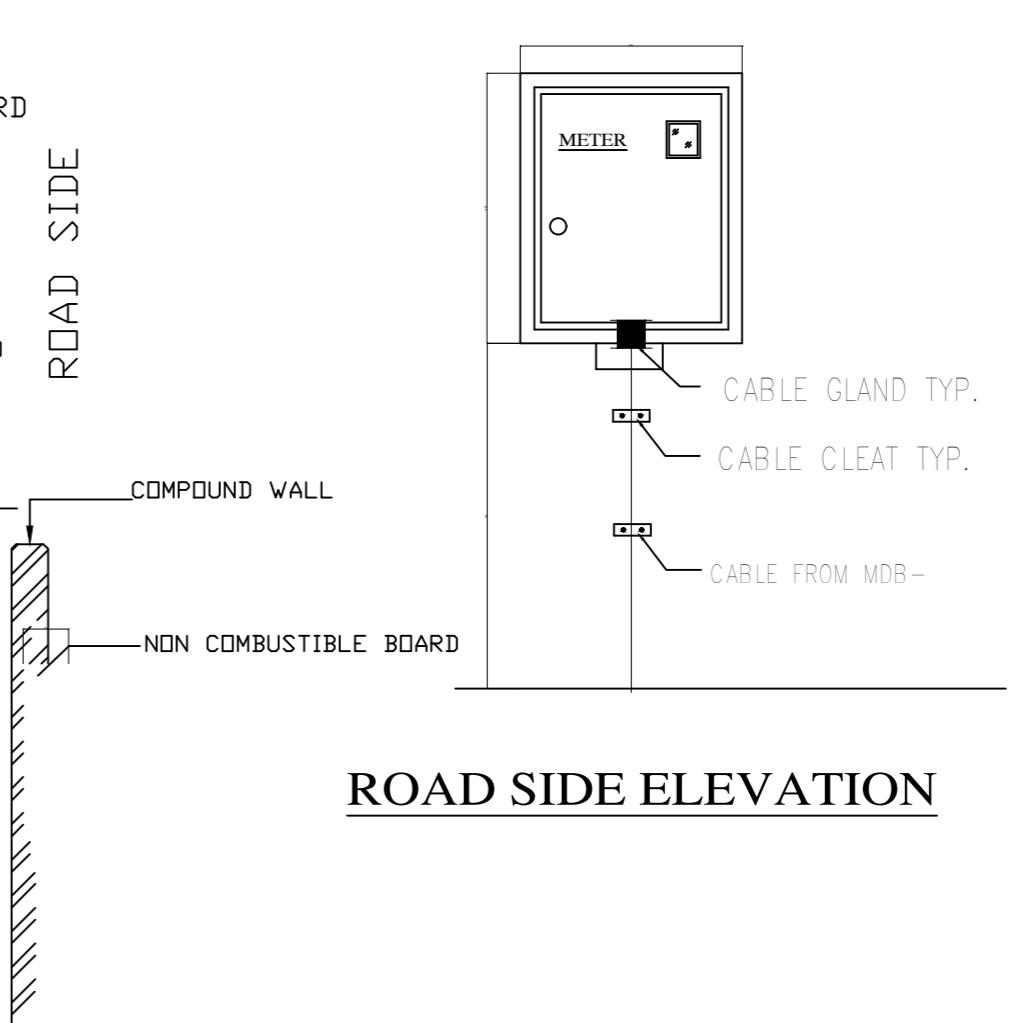


FEED FROM DEWA

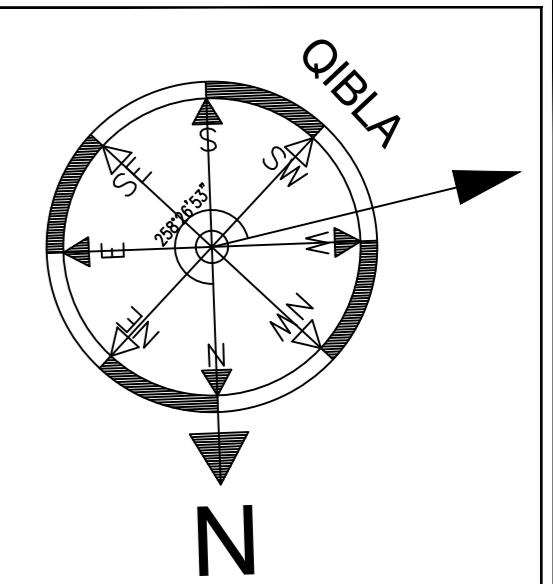
SINGLE LINE DIAGRAM



DETAIL OF METER ENCLOSURE



ROAD SIDE ELEVATION



PPOSED MDB  
T.C.L=118.00 K.W  
IMAX=230.40 Amp

DIVERSITY 0.85%  
T.C.L=100.30 K.W  
IMAX=195.84 Amp

NOTE:-

CLIENT:  
DISTRICT ONE - FZ

CONSULTANT:  
كروب للاستشارات الهندسية  
CROQUE LINE CONSULTANT  
TEL: +971 503991020 PHONE: 04 3797941  
WWW.CROQUELINE.AE

PROJECT:  
PROPOSED VILLA (B+G + 1+ROOF)

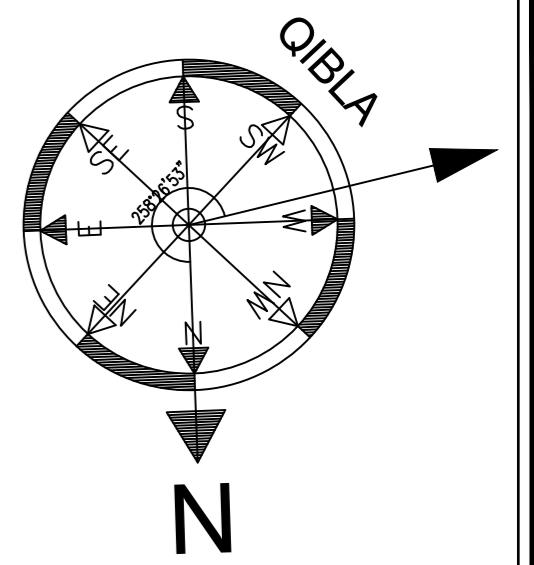
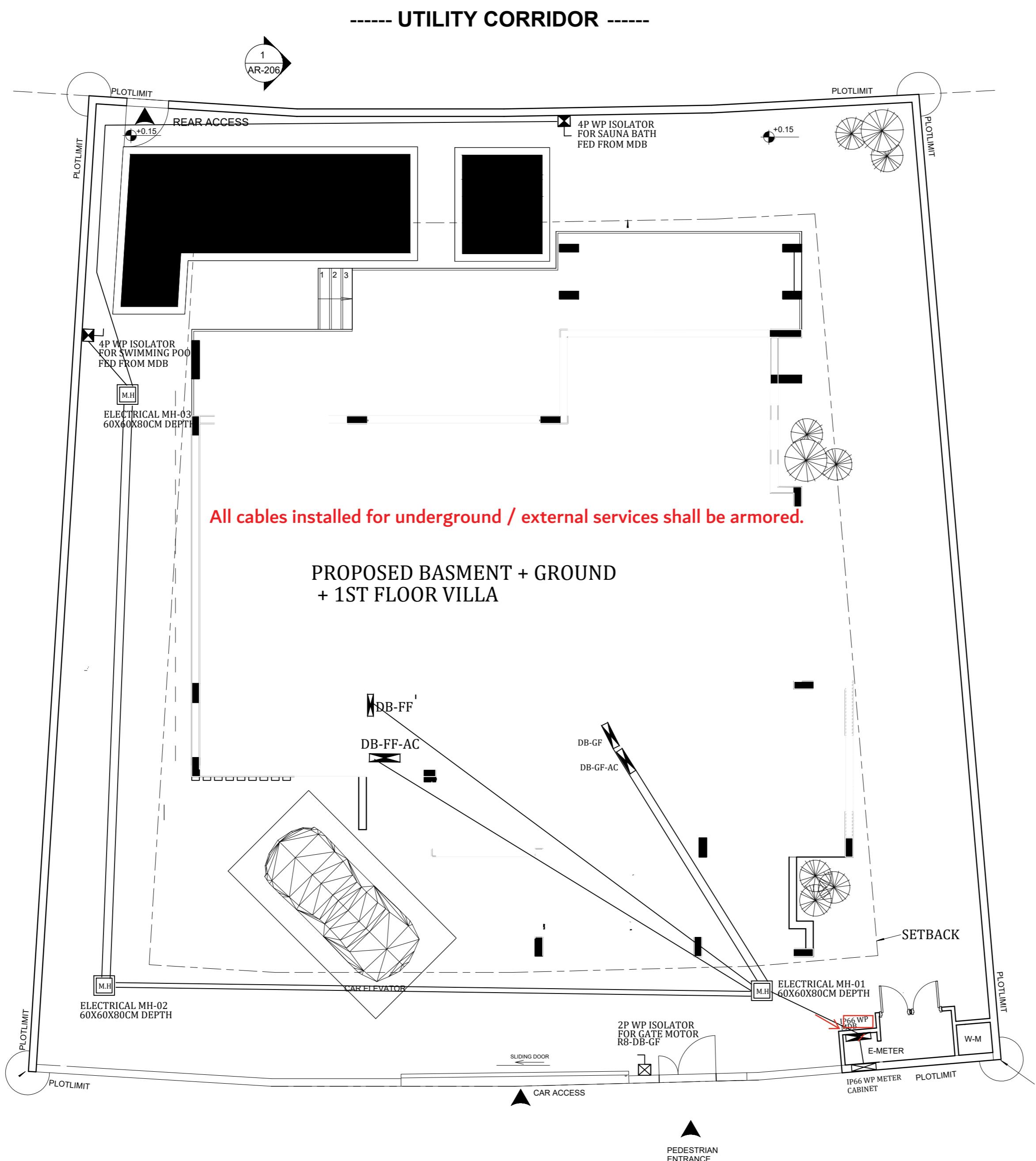
LOCATION:  
AL MERKADH PLOT NO.  
3470861

DRAWING TITLE:  
SINGLE LINE DIAGRAM

|              |        |           |
|--------------|--------|-----------|
| JOB NO.      | DATE:  | SHEET NO. |
| Sheet Size:  | Scale: | E-112     |
| A2           |        |           |
| CHECKED BY:  |        | NAME      |
| Architecture |        |           |
| Structure    |        |           |
| MEP          |        |           |

# SETTING LAYOUT PLAN

----- PLOT NO: 3470862 -----



|  |                                    |
|--|------------------------------------|
|  | 13 AMP SINLE SOCKET                |
|  | 13 AMP DOUBLE SOCKET               |
|  | SPLIT A/C                          |
|  | 13 AMP SINLE SOCKET WEATHER PROOF  |
|  | 13 AMP DOUBLE SOCKET WEATHER PROOF |
|  | 15 AMP SOCKET                      |
|  | COOKER WITH 45A DB SWITCH          |
|  | K.W.H METER                        |
|  | MAIN DISTRIBUTION BOARD            |
|  | SUB MAIN DISTRIBUTION BOARD        |
|  | DISTRIBUTION BOARD                 |

|        |
|--------|
| NOTE:- |
|--------|

|                   |
|-------------------|
| CLIENT:           |
| DISTRICT ONE - FZ |



|                                 |
|---------------------------------|
| PROJECT:                        |
| PROPOSED VILLA ( B+G + 1+ROOF ) |

|           |            |          |         |
|-----------|------------|----------|---------|
| LOCATION: | AL MERKADH | PLOT NO. | 3470861 |
|-----------|------------|----------|---------|

|                     |
|---------------------|
| DRAWING TITLE:      |
| SETTING LAYOUT PLAN |

|         |            |           |
|---------|------------|-----------|
| JOB NO. | DATE:      | SHEET NO. |
|         | 07/08/2022 | E-101     |

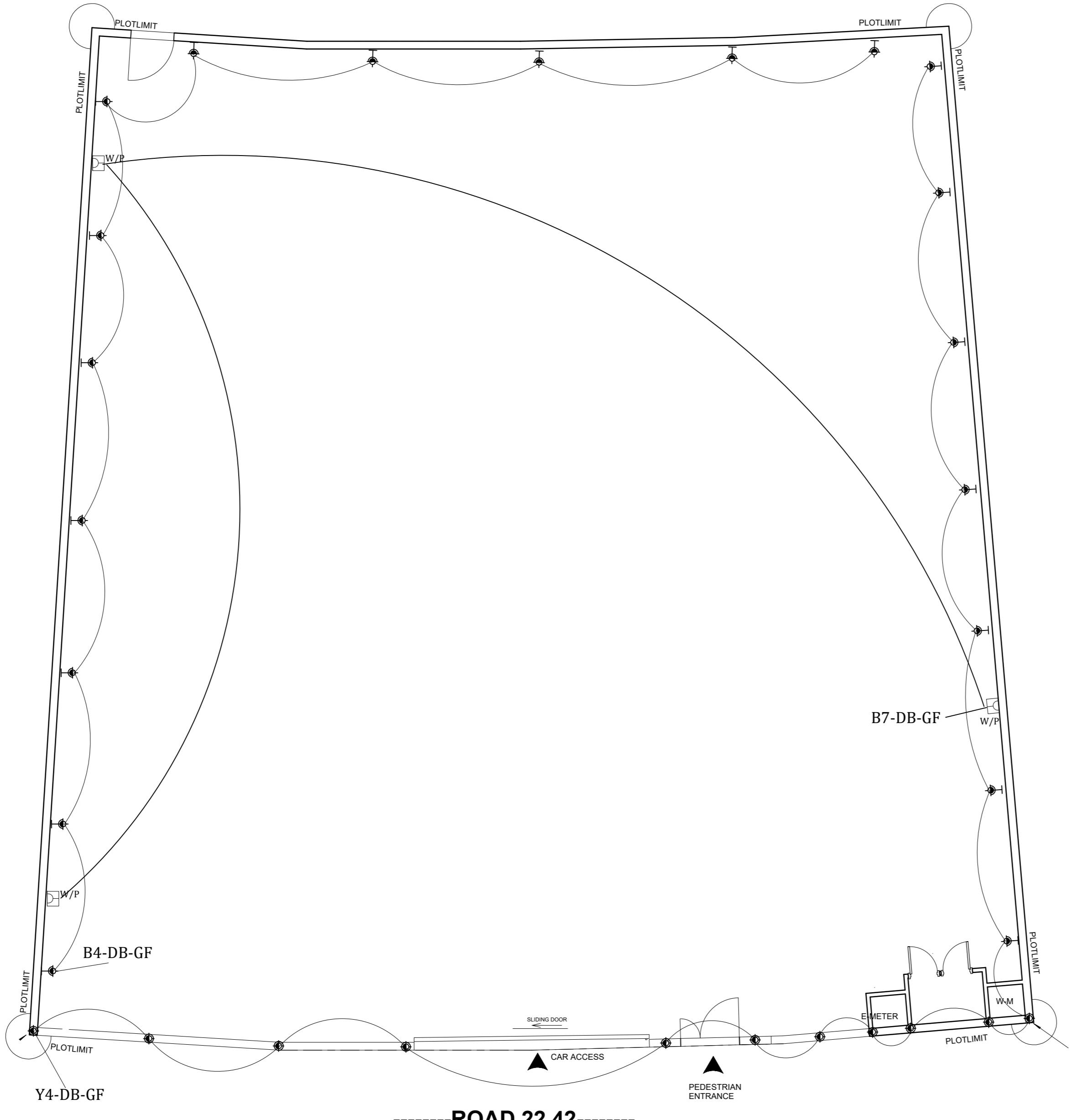
|             |        |
|-------------|--------|
| Sheet Size: | Scale: |
| A2          |        |

| CHECKED BY:  | N A M E | REG. NO. |
|--------------|---------|----------|
| Architecture |         |          |
| Structure    |         |          |
| MEP          |         |          |

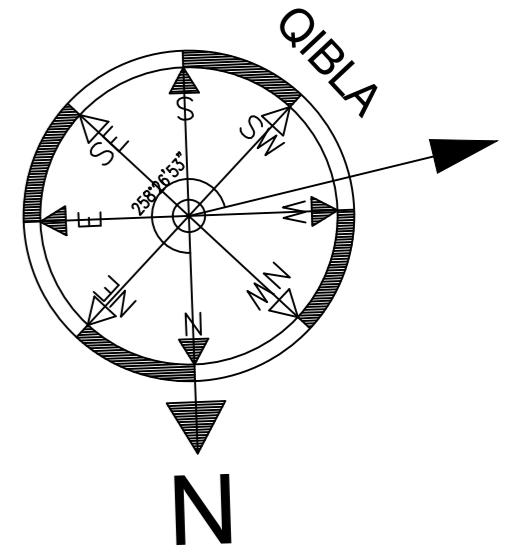
# SETTING LAYOUT LIGHTING PLAN

----- PLOT NO: 3470862 -----

## ----- UTILITY CORRIDOR -----



----- PLOT NO: 3470860 -----



| ELECTRICAL LEGEND |                                   |
|-------------------|-----------------------------------|
| SYMBOLS           | DESCRIPTION                       |
| ○                 | CHANDELIER-                       |
| ○ + ●             | CEILING POINT 35W                 |
| ●                 | CHANDELIER WITH DIMMER SWITCH     |
| ◆                 | 10W LED CEILING LIGHT             |
| —                 | FLUORESCENT LIGHT                 |
| ■                 | 60x60 LED LIGHT 100W              |
| ○ ○ ○             | 1G , 2G , 3G & 2W SWITCHES        |
| □                 | EXHAUST FAN                       |
| ○ —               | WEATHER PROOF TUNGSTEN WALL LIGHT |
| ■ ■ ■             | MIRROR LIGHT                      |

|        |
|--------|
| NOTE:- |
|--------|

|                   |
|-------------------|
| CLIENT:           |
| DISTRICT ONE - FZ |

|   |
|---|
| CONSULTANT :  |
|   |
| TEL: +971 503991020   PHONE: 04 3797941   WWW.CROQUELINE.AE |

|                                 |
|---------------------------------|
| PROJECT:                        |
| PROPOSED VILLA ( B+G + 1+ROOF ) |

|           |            |          |         |
|-----------|------------|----------|---------|
| LOCATION: | AL MERKADH | PLOT NO. | 3470861 |
|-----------|------------|----------|---------|

|                              |
|------------------------------|
| DRAWING TITLE:               |
| SETTING LAYOUT LIGHTING PLAN |

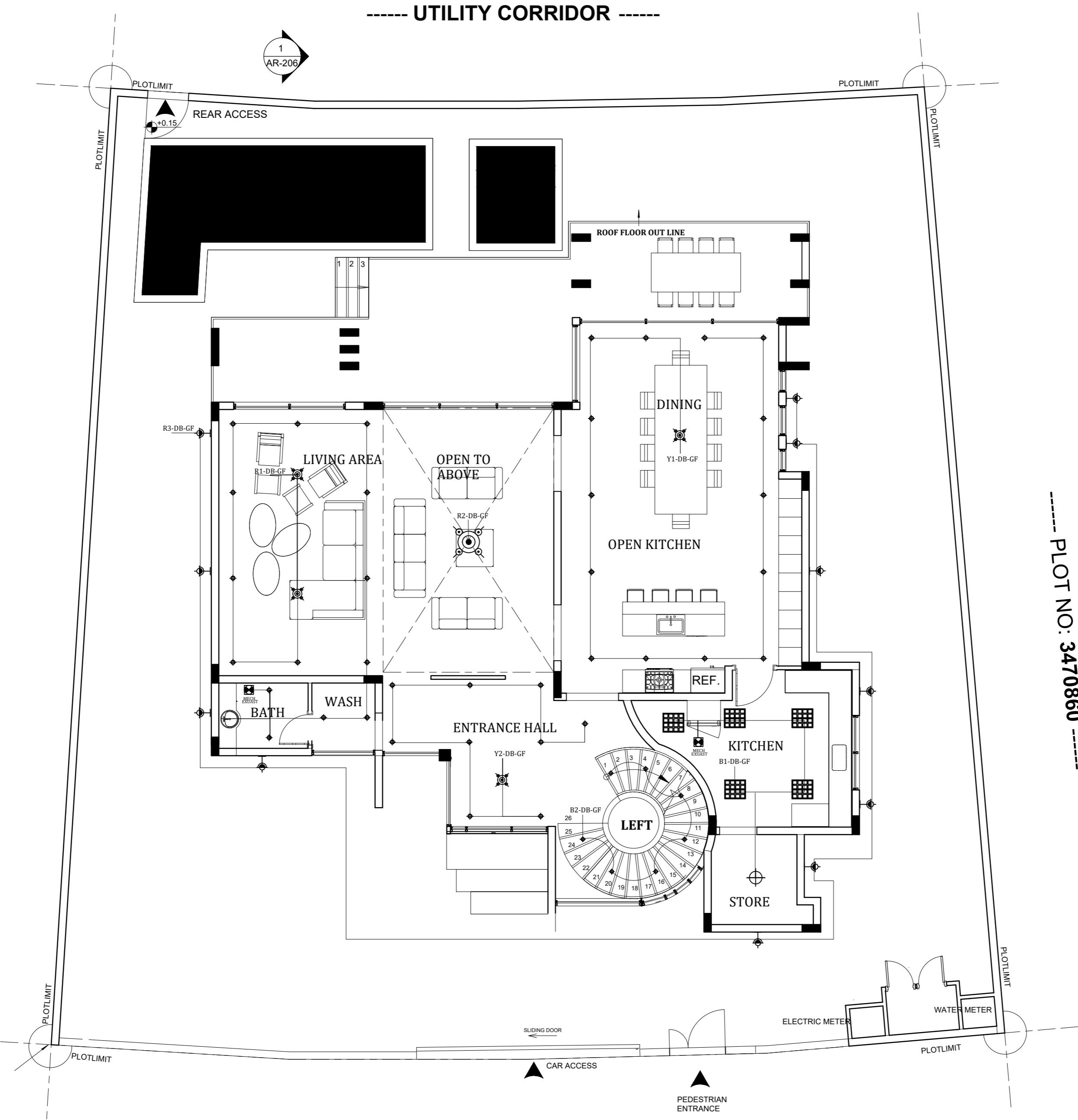
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| JOB NO. | DATE:      | SHEET NO. |
|         | 07/08/2022 | E-102     |

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| Sheet Size: | Scale: |
| A2          |        |

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|--------------|------|----------|
| CHECKED BY:  | NAME | REG. NO. |
| Architecture |      |          |
| Structure    |      |          |
| MEP          |      |          |

# GROUND LIGHTING PLAN

----- PLOT NO: 3470862 -----



----- ROAD 22.42 -----

----- PLOT NO: 3470860 -----

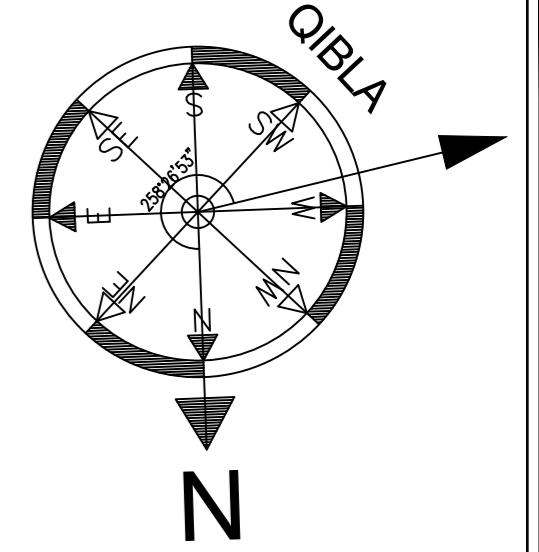
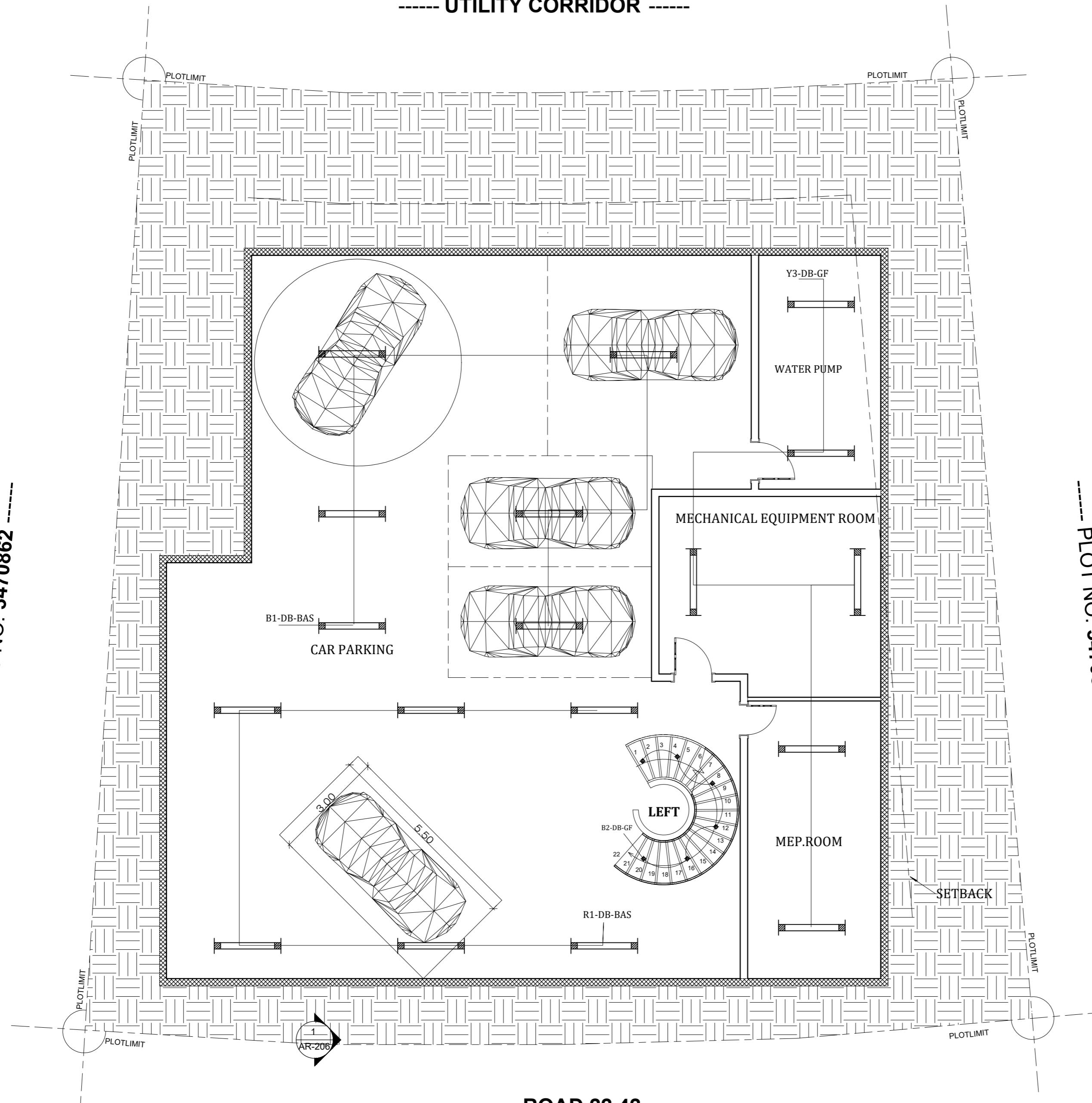
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|---|-----------------------------------|--------------------|--|--|
| ELECTRICAL LEGEND   |                                   |                    |  |  |
| SYMBOLS   | DESCRIPTION                       |                    |  |  |
|   | CHANDELIER-                       |                    |  |  |
|   | CEILING POINT 35W                 |                    |  |  |
|   | CHANDELIER WITH DIMMER SWITCH     |                    |  |  |
|   | 10W LED CEILING LIGHT             |                    |  |  |
|   | FLUORESCENT LIGHT                 |                    |  |  |
|   | 60x60 LED LIGHT 100W              |                    |  |  |
|   | 1G , 2G , 3G & 2W SWITCHES        |                    |  |  |
|   | EXHAUST FAN                       |                    |  |  |
|   | WEATHER PROOF TUNGSTEN WALL LIGHT |                    |  |  |
|   | MIRROR LIGHT                      |                    |  |  |
| NOTE:-  |                                   |                    |  |  |
| CLIENT:<br>DISTRICT ONE - FZ  |                                   |                    |  |  |
| CONSULTANT :<br><br>CROQUEE LINE CONSULTANT<br>TEL: +971 503991020 PHONE: 04 3797941 WWW.CROQUEELINE.AE |                                   |                    |  |  |
| PROJECT:<br>PROPOSED VILLA ( B+G + 1+ROOF )   |                                   |                    |  |  |
| LOCATION:<br>AL MERKADH   | PLOT NO.<br>3470861               |                    |  |  |
| DRAWING TITLE:<br>GROUND LIGHTING PLAN  |                                   |                    |  |  |
| JOB NO.   | DATE:<br>07/08/2022               | SHEET NO.<br>E-104 |  |  |
| Sheet Size:<br>A2   | Scale:                            |                    |  |  |
| CHECKED BY: NAME REG. NO.   |                                   |                    |  |  |
| Architecture  |                                   |                    |  |  |
| Structure   |                                   |                    |  |  |
| MEP   |                                   |                    |  |  |

# BASMENT LIGHTING PLAN

— PLOT NO: 3470862 —

## ----- UTILITY CORRIDOR -----

-----  
PLOI NO. 22



## **ELECTRICAL LEGEND**

| <b>SYMBOLS</b> | <b>DESCRIPTION</b>                |
|----------------|-----------------------------------|
|                | CHANDELIER-                       |
|                | CEILING POINT 35W                 |
|                | CHANDELIER WITH DIMMER SWITCH     |
|                | 10W LED CEILING LIGHT             |
|                | FLUORESCENT LIGHT                 |
|                | 60x60 LED LIGHT 100W              |
|                | 1G , 2G , 3G & 2W SWITCHES        |
|                | EXHAUST FAN                       |
|                | WEATHER PROOF TUNGSTEN WALL LIGHT |
|                | MIRROR LIGHT                      |

**NOTE:-**

CLIENT:  
SAFWAN M MOHAMED AL BAYATTI



**PROJECT:**

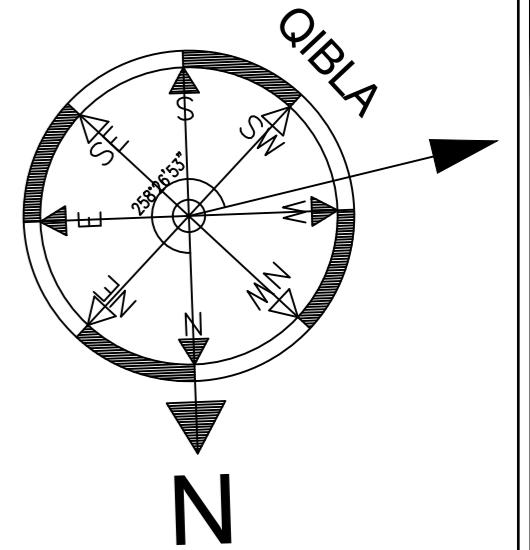
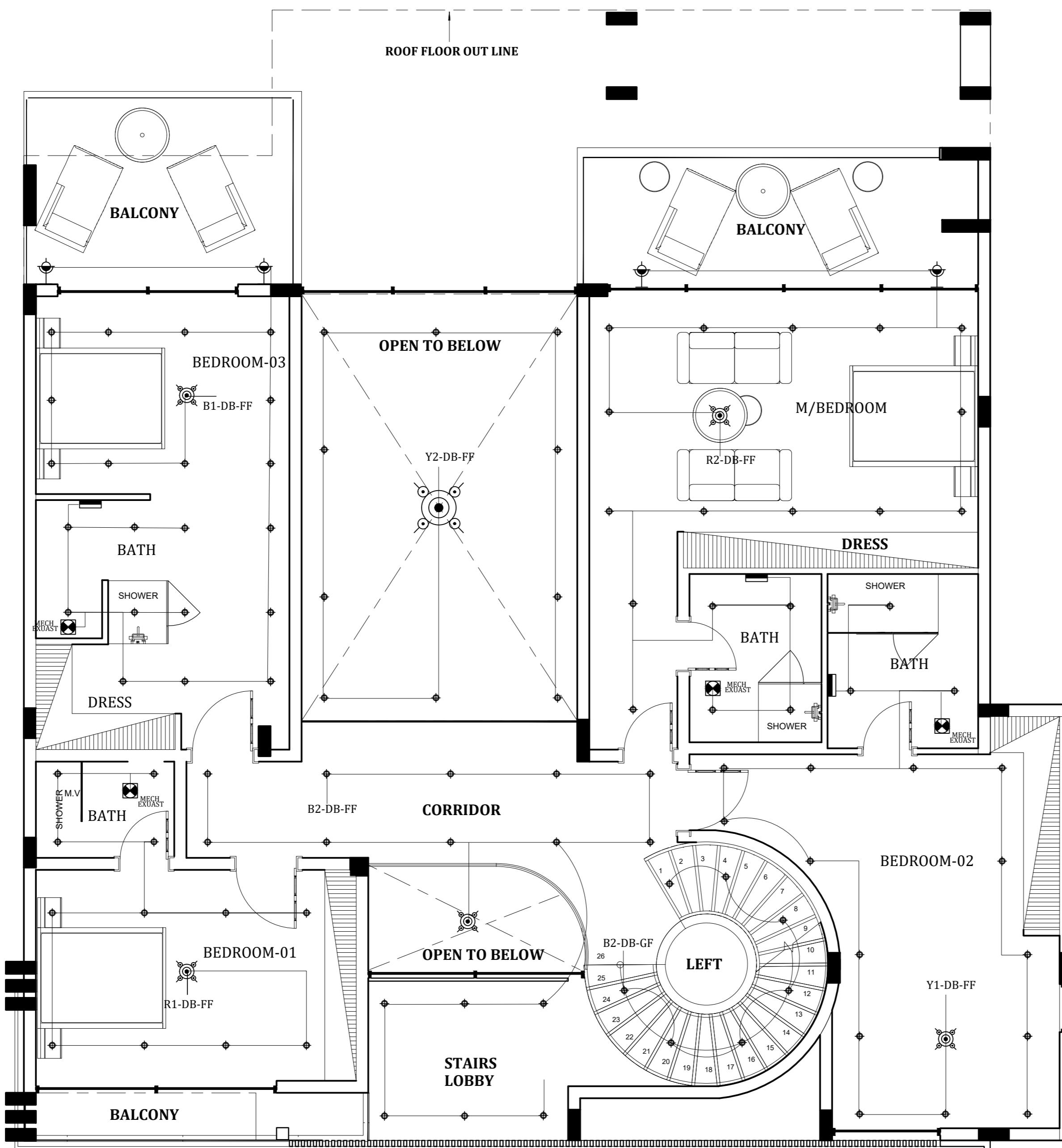
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| LOCATION:  | PLOT NO. |
| AL MERKADH | 34709861 |

DRAWING TITLE:

**BASEMENT LIGHTING PLAN**

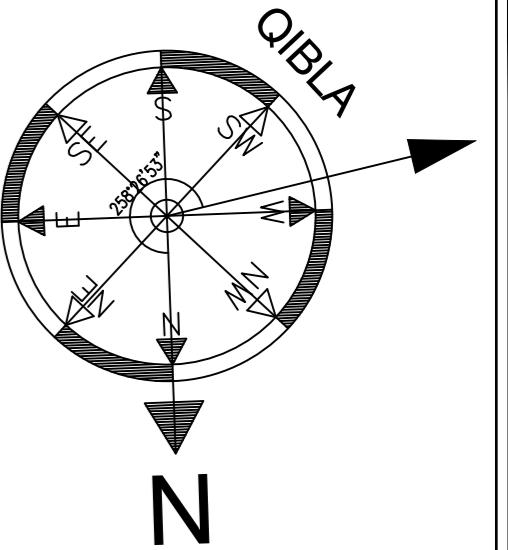
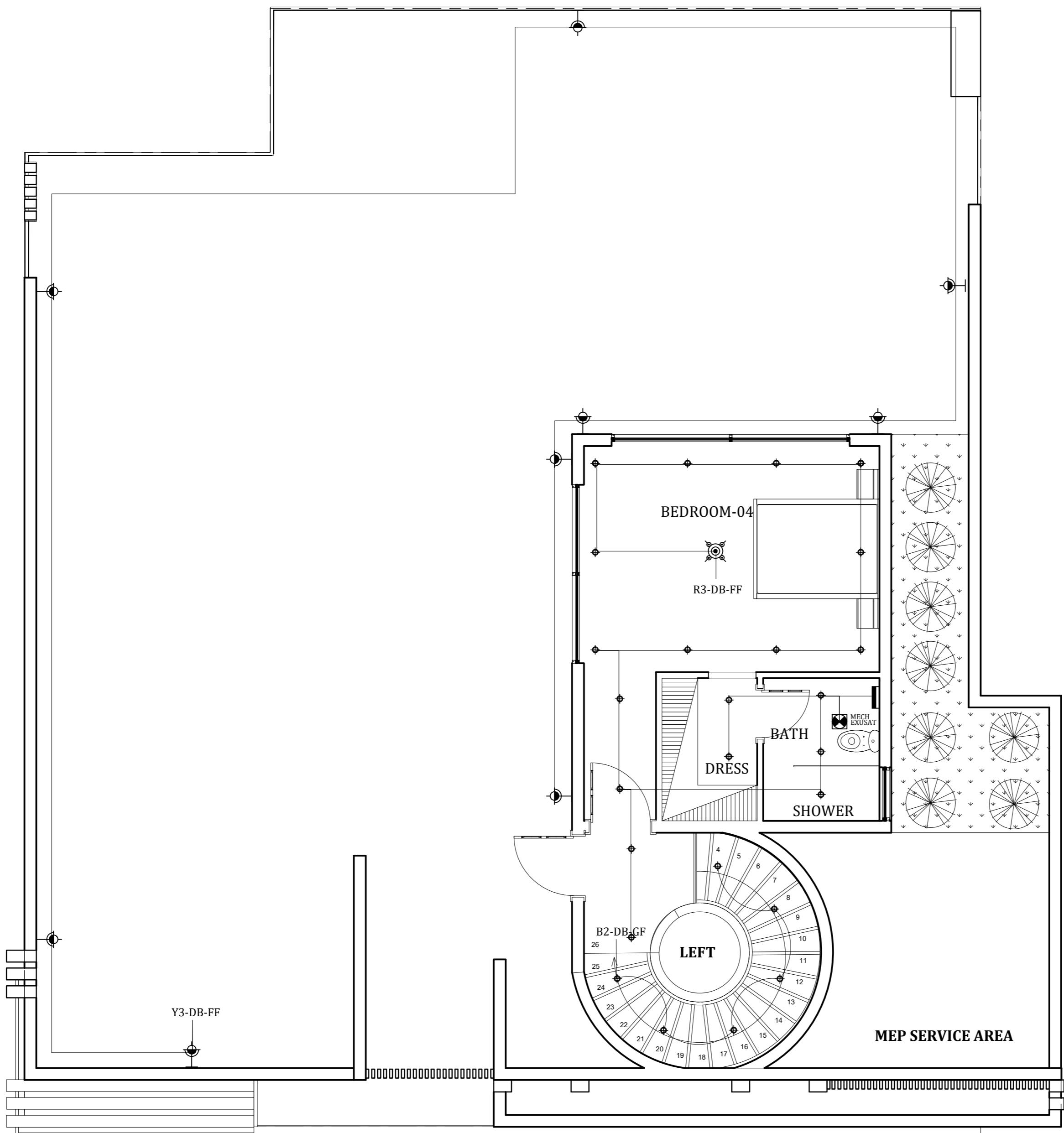
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| Sheet Size: | Scale: |
| A2          |        |

| CHECKED BY:  | N A M E | REG. NO. |
|--------------|---------|----------|
| Architecture |         |          |
| Structure    |         |          |
| MEP          |         |          |



| <b>ELECTRICAL LEGEND</b>          |                    |
|-----------------------------------|--------------------|
| <b>SYMBOLS</b>                    | <b>DESCRIPTION</b> |
| CHANDELIER-                       |                    |
| CEILING POINT 35W                 |                    |
| CHANDELIER WITH DIMMER SWITCH     |                    |
| 10W LED CEILING LIGHT             |                    |
| FLUORESCENT LIGHT                 |                    |
| 60x60 LED LIGHT 100W              |                    |
| 1G , 2G , 3G & 2W SWITCHES        |                    |
| EXHAUST FAN                       |                    |
| WEATHER PROOF TUNGSTEN WALL LIGHT |                    |
| MIRROR LIGHT                      |                    |

**FIRST FLOOR LIGHTING PLAN**



#### ELECTRICAL LEGEND

| SYMBOLS                           | DESCRIPTION |
|-----------------------------------|-------------|
| CHANDELIER-                       |             |
| CEILING POINT 35W                 |             |
| CHANDELIER WITH DIMMER SWITCH     |             |
| 10W LED CELING LIGHT              |             |
| FLUORESCENT LIGHT                 |             |
| 60x60 LED LIGHT 100W              |             |
| 1G , 2G , 3G & 2W SWITCHES        |             |
| EXHAUST FAN                       |             |
| WEATHER PROOF TUNGSTEN WALL LIGHT |             |
| MIRROR LIGHT                      |             |

NOTE:-

CLIENT:

DISTRICT ONE - FZ

CONSULTANT :



PROJECT:

PROPOSED VILLA ( B+G + 1+ROOF )

LOCATION:

AL MERKADH

PLOT NO.

3470861

DRAWING TITLE:

ROOF LIGHTING PLAN

JOB NO.

DATE:  
07/08/2022

SHEET NO.

E-106

Sheet Size:

Scale:  
A2

CHECKED BY:

NAME

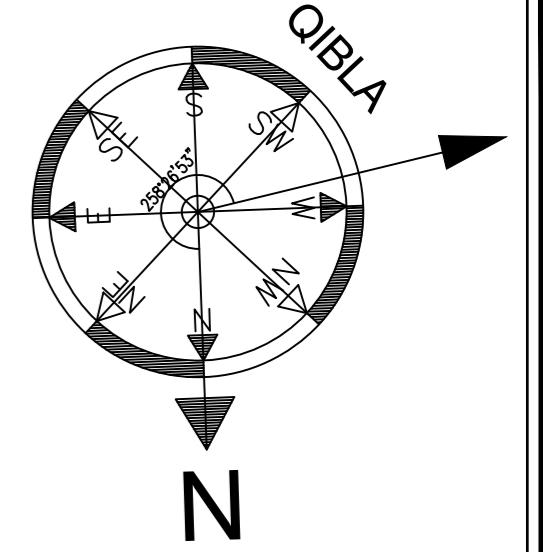
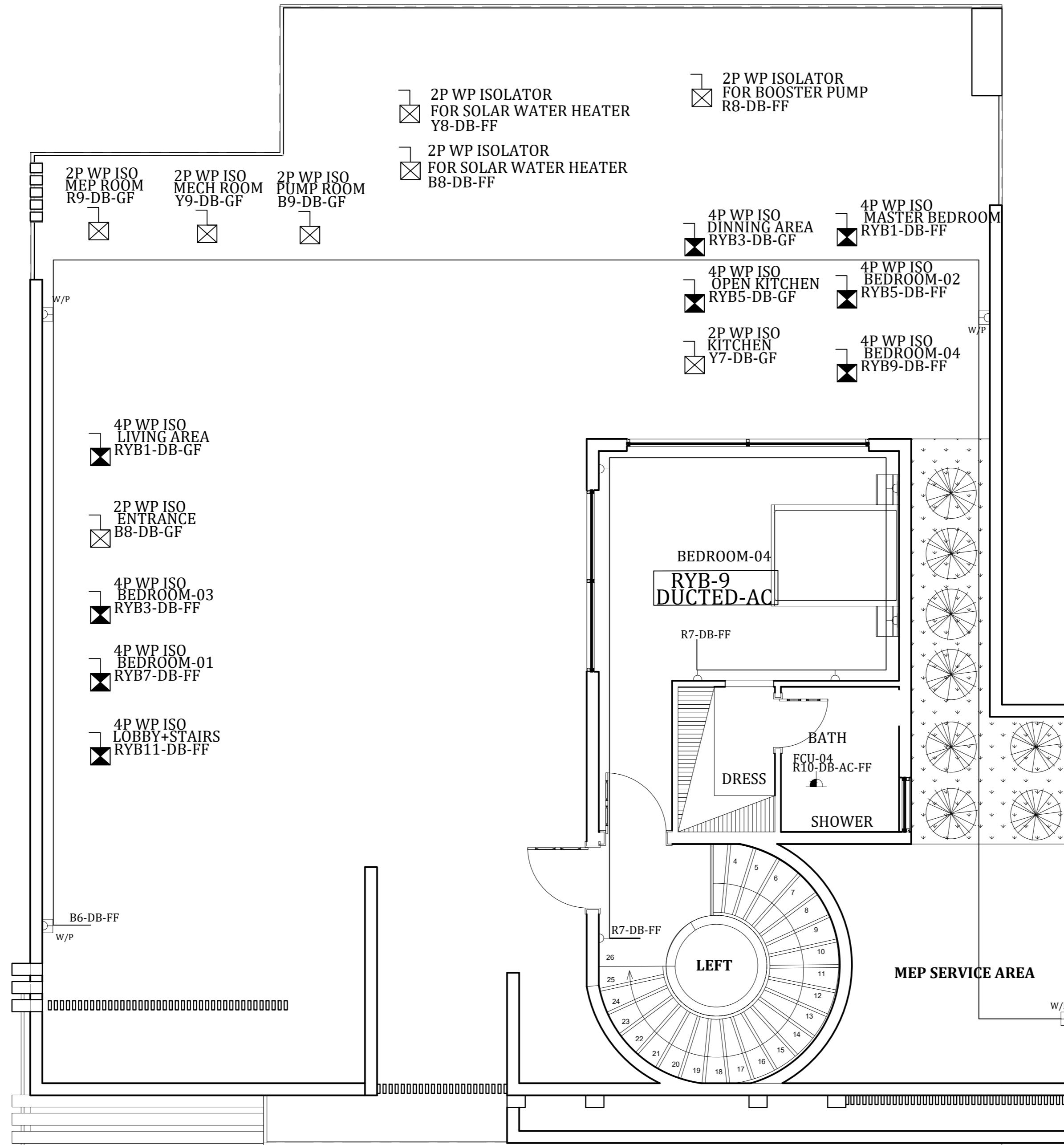
REG. NO.

Architecture

Structure

MEP

# ROOF FLOOR POWER PLAN



## **ELECTRICAL LEGEND**

| <b>SYMBOLS</b> | <b>DESCRIPTION</b>                |
|----------------|-----------------------------------|
|                | CHANDELIER-                       |
|                | CEILING POINT 35W                 |
|                | CHANDELIER WITH DIMMER SWITCH     |
|                | 10W LED CEILING LIGHT             |
|                | FLUORESCENT LIGHT                 |
|                | 60x60 LED LIGHT 100W              |
|                | 1G , 2G , 3G & 2W SWITCHES        |
|                | EXHAUST FAN                       |
|                | WEATHER PROOF TUNGSTEN WALL LIGHT |
|                | MIRROR LIGHT                      |

**NOTE:-**

CLIENT:

DISTRICT ONE - FZ

CONSULTANT:



228/472

### **PROPOSED VII IA ( B+G + 1+BOOF )**

|           |          |
|-----------|----------|
| LOCATION: | PLOT NO. |
| MATERIAL: | SIZE:    |

**DRAWING TITLE:**

## ROOF POWER LAYOUT PLAN

JOB NO. DATE: SHEET NO.

07/08/2022

E-107

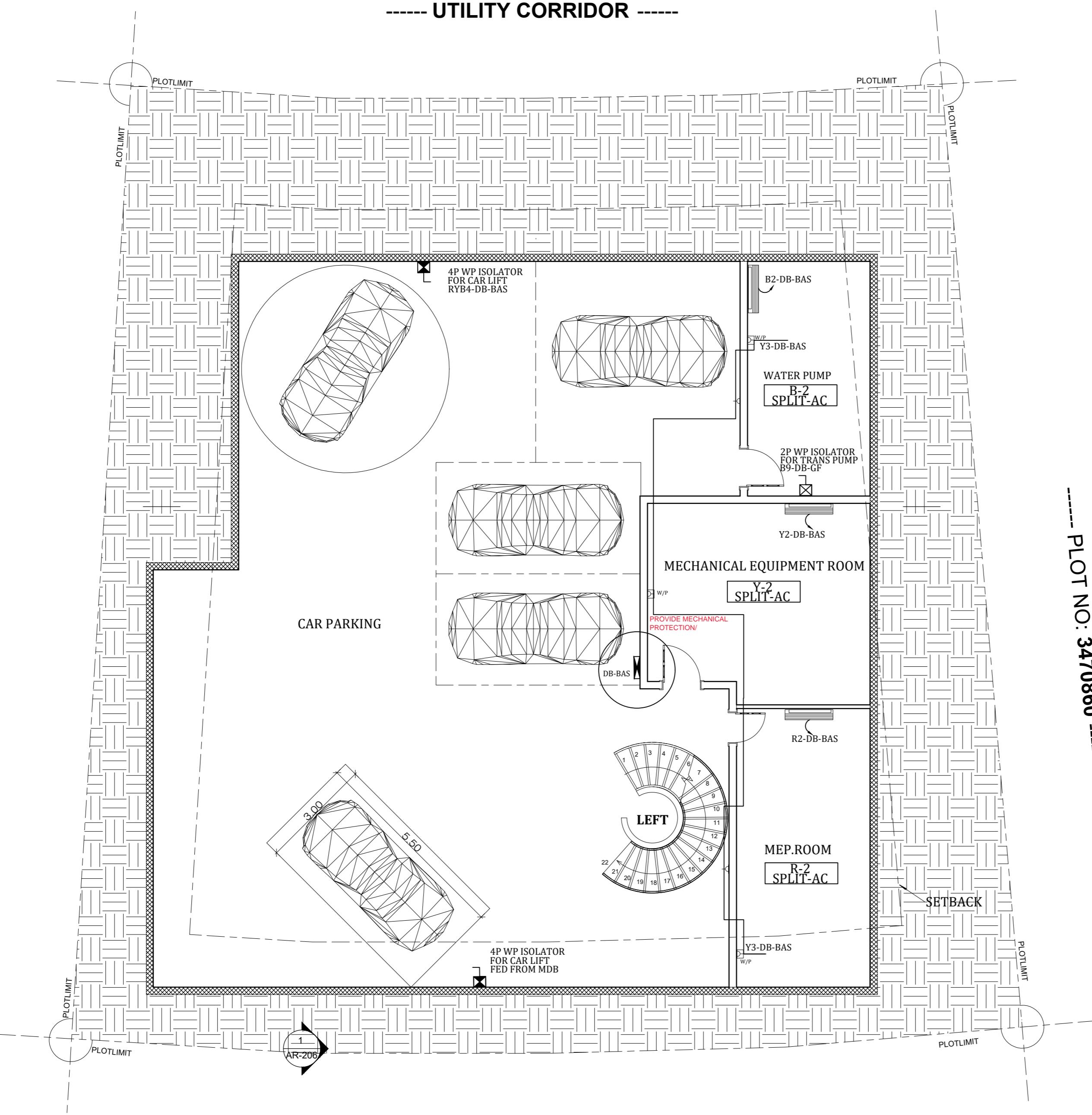
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|              |  |
|--------------|--|
| Architecture |  |
|--------------|--|

| Structure |  |  |
|-----------|--|--|
|           |  |  |

E-107

----- PLOT NO: 3470862 -----



QIBLA

NOTE:-

CLIENT:  
SAFWAN M MOHAMED AL BAYATTI

CONSULTANT:  
كروكي للاستشارات الهندسية  
CROQUEE LINE CONSULTANT  
TEL: +971 503991020 PHONE: 04 3797941  
WWW.CROQUEELINE.AE

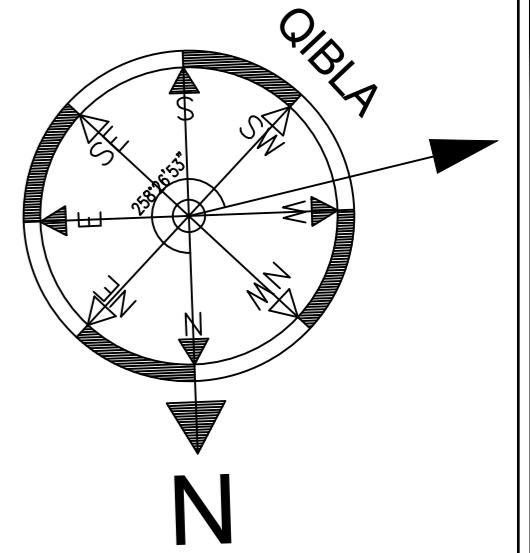
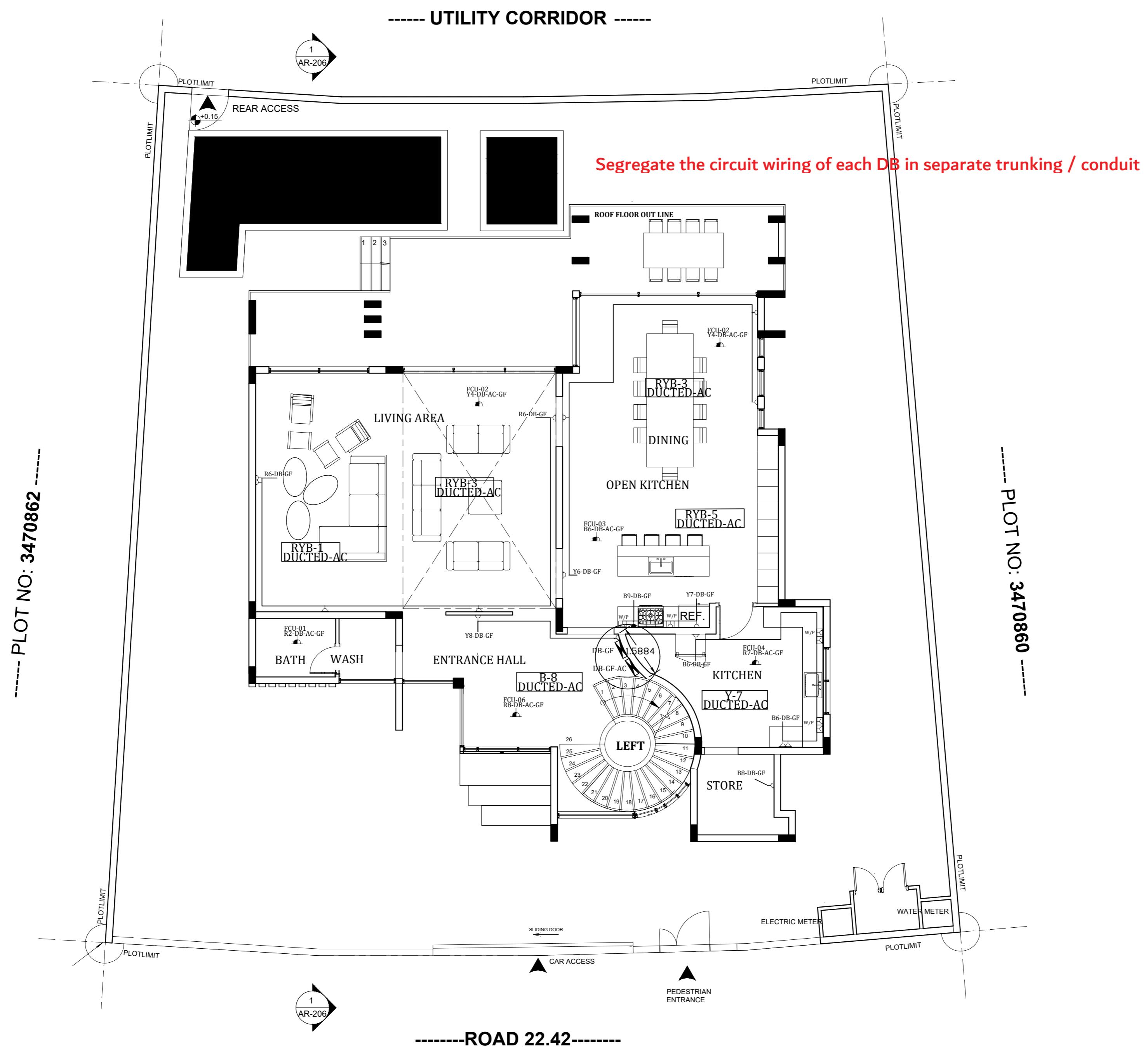
PROJECT:  
PROPOSED VILLA ( B+G + 1+R )

LOCATION:  
AL MERKADH PLOT NO.  
3470861

DRAWING TITLE:  
BASMENT POWER PLAN

JOB NO. DATE: 07/08/2022 SHEET NO.  
Sheet Size: Scale:  
A2 E-108

CHECKED BY: NAME REG. NO.  
Architecture  
Structure  
MEP



|           |                                    |
|-----------|------------------------------------|
| D-        | 13 AMP SINGLE SOCKET               |
| B-        | 13 AMP DOUBLE SOCKET               |
| SPLIT A/C |                                    |
| W/P       | 13 AMP SINGLE SOCKET WEATHER PROOF |
| W/P       | 13 AMP DOUBLE SOCKET WEATHER PROOF |
| ●         | 15 AMP SOCKET                      |
| +         | COOKER WITH 45A DB SWITCH          |
| M         | K.W.H METER                        |
| ■         | MAIN DISTRIBUTION BOARD            |
| ■         | SUB MAIN DISTRIBUTION BOARD        |
| ■         | DISTRIBUTION BOARD                 |

NOTE:-

CLIENT:  
DISTRICT ONE - FZ

CONSULTANT:  
  
كروكي للاستشارات الهندسية  
CROQUEE LINE CONSULTANT  
TEL: +971 503991020 PHONE: 04 3797941  
WWW.CROQUEELINE.AE

PROJECT:  
PROPOSED VILLA ( B+G + 1+ROOF )

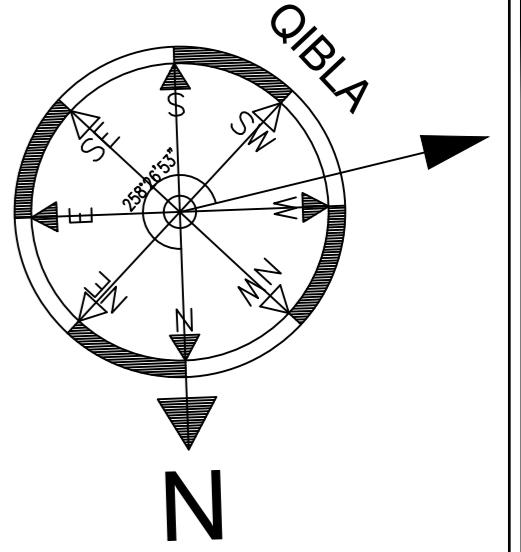
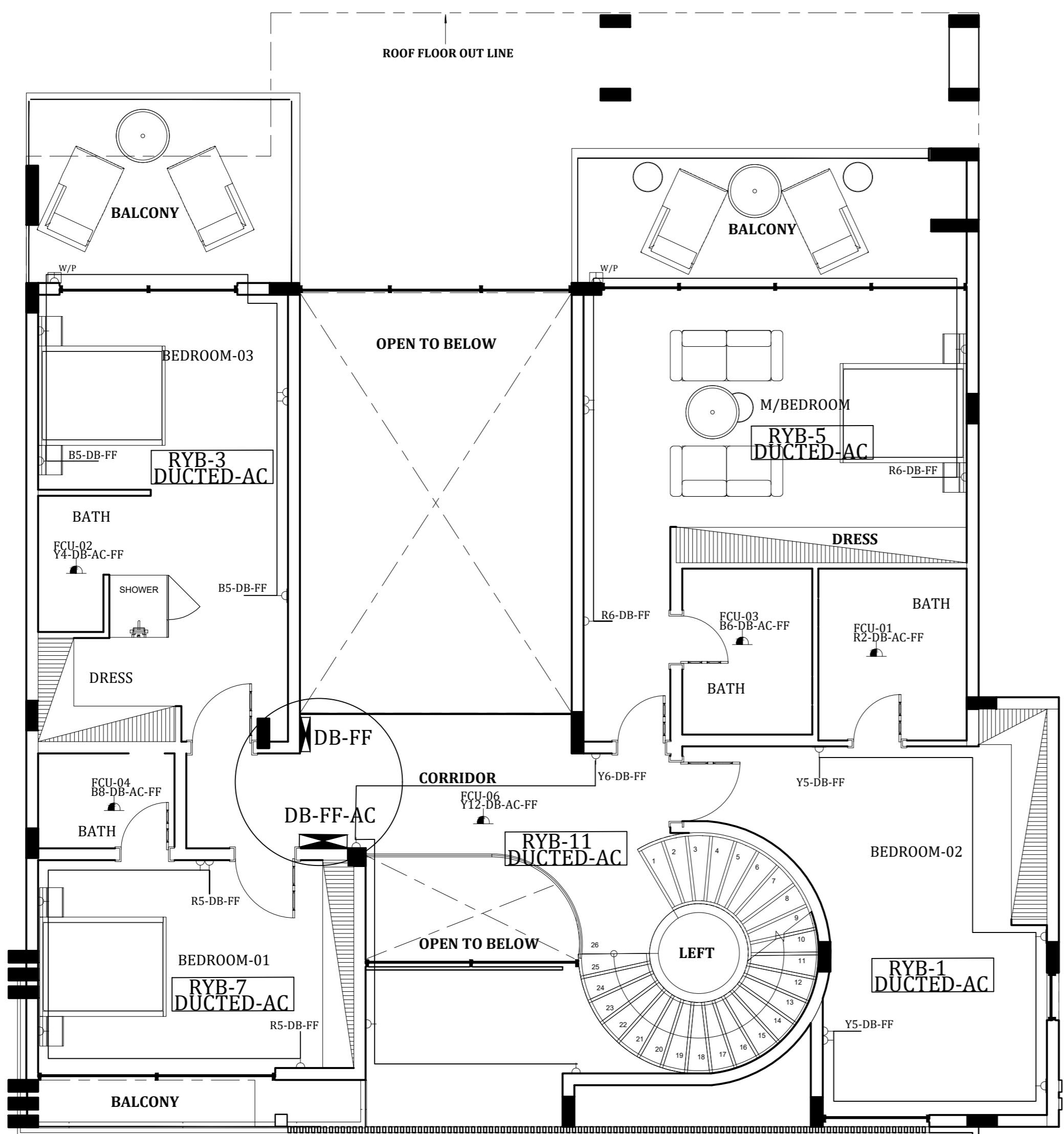
LOCATION: AL MERKADH PLOT NO. 3470861

DRAWING TITLE:  
GROUND POWER PLAN

JOB NO. DATE: 07/08/2022 SHEET NO.  
Sheet Size: Scale:

A2  
E-109  
CHECKED BY: NAME REG. NO.  
Architecture  
Structure  
MEP

# FIRST FLOOR POWER PLAN



|  |                                       |
|--|---------------------------------------|
|  | 13 AMP SINGLE SOCKET                  |
|  | 13 AMP DOUBLE SOCKET                  |
|  | SPLIT A/C                             |
|  | 13 AMP SINGLE SOCKET<br>WEATHER PROOF |
|  | 13 AMP DOUBLE SOCKET<br>WEATHER PROOF |
|  | 15 AMP SOCKET                         |
|  | COOKER WITH 45A DB SWITCH             |
|  | K.W.H METER                           |
|  | MAIN DISTRIBUTION BOARD               |
|  | SUB MAIN DISTRIBUTION BOARD           |
|  | DISTRIBUTION BOARD                    |

### **NOTE:-**

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**CLIENT:**

DISTRICT ONE - FZ

CONSULTANT:



---

**PROJECT:**

#### **PROPOSED VILLA ( B + G + 1 + ROOF )**

|            |          |
|------------|----------|
| LOCATION:  | PLOT NO. |
| AL MERKADH | 3470861  |

AL MERRADY

DRAWING TITLE:

## 1ST FLOOR POWER PLAN

1974 EDITION OWNERS MANUAL

|         |       |           |
|---------|-------|-----------|
| JOB NO. | DATE: | SHEET NO. |
|---------|-------|-----------|

07/08/2022

Sheet Size: \_\_\_\_\_ Scale: \_\_\_\_\_

A3 || F-110

AZ 110

100% of the time, the system will be able to correctly identify the target word.

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| CHECKED BY: | NAME | REG. NO. |
|-------------|------|----------|

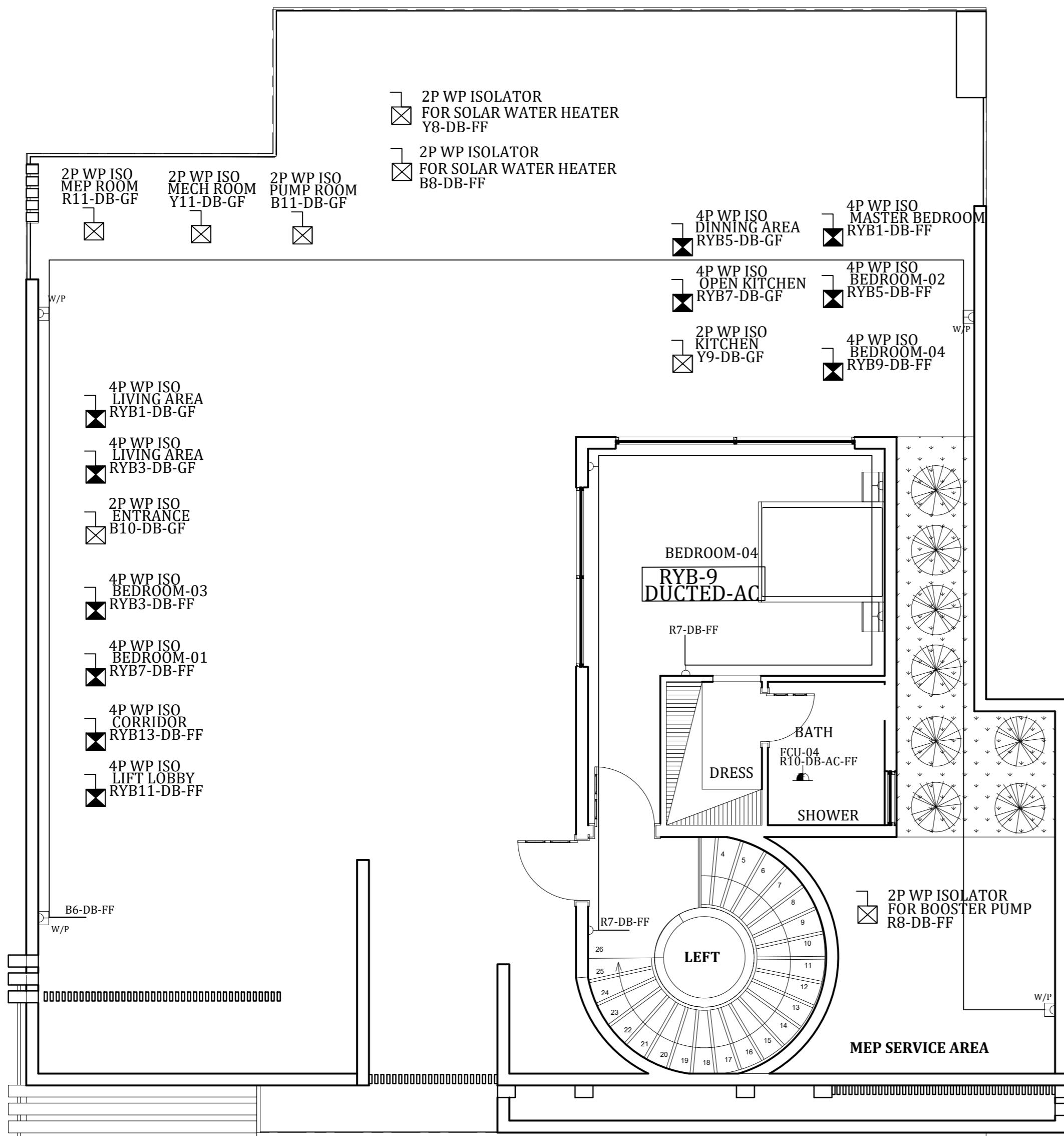
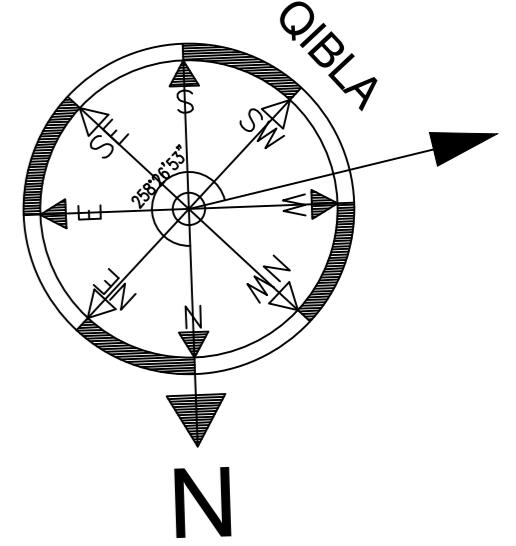
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| Architecture |  |  |
|--------------|--|--|

| Structure |  |  |
|-----------|--|--|
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|     |  |  |
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| MEP |  |  |
|-----|--|--|

Digitized by srujanika@gmail.com

E-110



- 3 Nos Circuits only (1 Light , 1 Power & 1 AC) , We will keep it in the same way , Kindly Approve. Thank you For, Your Support and understanding and will be highly appreciated.

|   |                                    |
|---|------------------------------------|
| □ | 13 AMP SINLE SOCKET                |
| □ | 13 AMP DOUBLE SOCKET               |
| □ | SPLIT A/C                          |
| □ | 13 AMP SINLE SOCKET WEATHER PROOF  |
| □ | 13 AMP DOUBLE SOCKET WEATHER PROOF |
| ■ | 15 AMP SOCKET                      |
| ■ | COOKER WITH 45A DB SWITCH          |
| ■ | K.W.H METER                        |
| ■ | MAIN DISTRIBUTION BOARD            |
| ■ | SUB MAIN DISTRIBUTION BOARD        |
| ■ | DISTRIBUTION BOARD                 |

|        |
|--------|
| NOTE:- |
|--------|

|                              |
|------------------------------|
| CLIENT:<br>DISTRICT ONE - FZ |
|------------------------------|

|                     |
|---------------------|
| CONSULTANT:<br>     |
| TEL: +971 503991020 |
| PHONE: 04 3797941   |
| WWW.CROQUEELINE.AE  |

|   |
|---|
| PROJECT:<br>PROPOSED VILLA ( B+G + 1+ROOF ) |
|---|

|                         |                     |
|-------------------------|---------------------|
| LOCATION:<br>AL MERKADH | PLOT NO.<br>3470861 |
|-------------------------|---------------------|

|                                   |
|-----------------------------------|
| DRAWING TITLE:<br>ROOF POWER PLAN |
|-----------------------------------|

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|-----------------------------|---------------------|-----------|
| JOB NO.                     | DATE:<br>07/08/2022 | SHEET NO. |
| Sheet Size:<br>A2           | Scale:              | E-111     |
| Checked By:<br>Architecture | Name                | Reg. No.  |
| Structure                   |                     |           |
| MEP                         |                     |           |

# ROOF FLOOR POWER PLAN