

GENERAL NOTES:

ALL ELECTRICAL WORKS HEREIN SHALL BE IN ACCORDANCE WITH THE PROVISION OF THE LATEST APPROVED EDITION OF THE PHILIPPINE ELECTRICAL CODE, THE LAWS AND ORDINANCES OF THE LOCAL CODE ENFORCING AUTHORITIES AND REQUIREMENTS OF THE LOCAL POWER AND TELEPHONE COMPANY.

1. SERVICE POWER SHALL BE 230VAC, THREE PHASE, 3–WIRES WITH GROUND, 60Hz SYSTEM.

2. WIRING METHOD SHALL BE DONE IN IMC CONDUIT (EXTERNAL SYSTEM), EMT CONDUIT FOR LIGHTING, POWER AND ACU (INTERNAL SYSTEM), EMT CONDUIT FOR TELEPHONE AND DATA SYSTEM UNLESS OTHERWISE INDICATED IN THE PLAN.

3. SMALLEST BRANCH CIRCUIT WIRE SHALL BE 3.50mm sq. THHN FOR LIGHTING AND POWER SYSTEM, UNLESS OTHERWISE STATED IN THE PLAN, IN RACEWAY 20mm dia. TRADE SIZE CONDUIT. WIRE SHALL BE INSULATED FOR 600 VOLTS.

4. WHENEVER NECESSARY PULLBOX OF PROPER SIZE AND DIMENSION SHALL BE PROVIDED ALTHOUGH NOT INDICATED IN THE PLAN. ALL JUNCTION BOXES SHALL BE PROVIDED WITH METAL PLATE COVER.

5. ALL LIGHT CONTROLLED SWITCHES SHALL BE RATED 15 AMPS, 220VOLTS AC ONLY SWITCHES SHALL BE INSTALLED FOR WITH HORIZONTAL MOTION.

6. ALL PANELBOARD SHALL BE PROVIDED WITH SOLID GROUNDING BUS WITH TERMINALS.

7. ALL METALLIC CONDUIT, CABINET, BOXES AND EQUIPMENT SHALL BE PROPERLY GROUNDED AND BONDED.

8. ALL MATERIALS TO BE USED SHALL BE NEW AND APPROVED TYPE FOR THE LOCATION AND PURPOSES.

9. ALL RECEPTACLE OUTLET SHALL BE PROPERLY GROUNDED TO THE BOX BY MEANS OF GROUNDING LUGS.

10. MOUNTING HEIGHT NOT SHOWN ON SCHEDULE ARE AS FOLLOWS:

a. LIGHT CONTROLLED SWITCHES : 1.40 m ABOVE FLOOR FINISH @ CENTER

b. DUPLEX CONVENIENCED OUTLET : 0.30 m ABOVE FLOOR FINISH @ CENTER

c. TELEPHONE OUTLET : 0.30 m ABOVE FLOOR FINISH @ CENTER

d. PANELBOARDS : 1.40 m ABOVE FLOOR FINISH @ CENTER

UNLESS OTHERWISE INDICATED BY THE FIELD CONDITIONS.

11. THE ELECTRICAL CONTRACTOR SHALL SECURE ALL WIRING PERMITS AND ALL FEES REQUIRED FOR THE WORK AND SHALL FURNISH THE OWNER THROUGH THE ENGINEERS FINAL CERTIFICATES OF ELECTRICAL INSPECTION AND APPROVAL FROM PROPER GOVERNMENT AUTHORITIES FOR COMPLETE WORK.

12. ALL ELECTRICAL WORKS HEREIN SHALL BE DONE UNDER THE DIRECT AND IMMEDIATE SUPERVISION OF A DULY QUALIFIED LICENSED ELECTRICAL ENGINEER OR MASTER ELECTRICIAN.

13. MATERIALS SHALL BE NEW AND SHALL CONFORM WITH THE STANDARD AMERICAN UNDER–WRITER’S LABORATORIES, INC., IN EVERY CASE WERE SUCH A STANDARD HAS BEEN ESTABLISHED FOR THE PARTICULAR TYPE OF MATERIAL IN QUESTION.

14. ALL WIRES AND CABLES SHALL BE UL–LISTED, AS MANUFACTURED BY PHELPS DODGE, AND SHALL BE COLOR–CODED AS FOLLOWS:

FOR THREE PHASE:

LINE 1 : RED

LINE 2 : YELLOW

LINE 3 : BLUE

GROUND : GREEN

FOR SINGLE PHASE:

LINE 1 : RED

LINE 2 : BLUE

GROUND : GREEN

15. CONTRACTORS MUST SUBMIT SHOP DRAWINGS OF ALL PULLBOX, GUTTERS, AND PANEL BOARDS TO ENGINEER PRIOR TO FABRICATION, ONLY ONE BRAND OF CIRCUIT BREAKERSS AND ONLY THE APPROVED BOX FABRICATOR SHALL BE UTILIZED IN THE ENTIRE PROJECT REQUIREMENT.

16. THE ELECTRICAL CONTRACTOR SHALL EXAMINE AND STUDY THE ARCHITECTURAL SCALE DRAWINGS, LARGE SCALE AND FULL–SIZE DETAILS, APPROVED SHOP DRAWINGS FROM OTHER TRADES AND SHALL FREQUENTLY CONSULT AND COORDINATE WITH OTHER TRADES TO AVOID CONFLICT IN ACTUAL SITE INSTALLATION WORKS.

17. THE PLANS AS DRAWN ARE BASED UPON THE ARCHITECTURAL PLANS AND THE DETAILS AND SHOWN CONDITION AS ACCURATELY AS IT IS POSSIBLE TO INDICATE THEM IN SCALE. THE PLANS ARE DIAGRAMMATICAL AND DO NOT NECESSARILY SHOW ALL FITTINGS NECESSARY TO FIT TO THE BUILDING CONDITIONS. THE LOCATIONS OF OUTLETS, APPARATUS AND APPLIANCE SHOWN ON THE PLANS ARE APPROXIMATE. THE CONRACTOR SHALL BE HELD RESPONSIBLE FOR THEIR PROPER LOCATION IN ORDER TO MAKE THEM FIT WITH THE ARCHITECTURAL DETAILS AND INSTRUCTIONS FROM THE ENGINEER’S REPRESENTATIVE AT THE SITE.

18. UPON COMPLETION OF ELECTRICAL CONSTRUCTION WORK, THE FOLLOWING TESTS SHALL BE PERFORMED BY THE CONTRACTOR INCLUSIVE OF THE INSTALLATION TO BE REPORTED IN DETAILS AND FORMS APPROVED BY THE OWNER’S REPRESENTATIVE:

a. INSULATION RESISTANCE TEST

b. GROUND RESISTANCE TEST

c. OPERATIONAL TEST

d. PHASE BALANCING TEST

e. PHASE SEQUENCE TEST

f. SYSTEM TEST
- LEGEND:
- 1200x600mm TROFFER LIGHT; 36WATTS, COOL WHITE

– MR16/ PIN LIGHT; COOL WHITE

– CIRCUIT HOMERUN

– STRIP LIGHT/ COVE LIGHT

– 1 GANG SWITCH

– 2 GANG SWITCH

– 3 GANG SWITCH

– EXIT LIGHT (ONE SIDED)

– POWER PANELBOARD

– DUPLEX OUTLET

– SPECIAL PURPOSE OUTLET

– GROUND FAULT CURRENT INTERUPTER

– REFRIGERATOR OUTLET

– DUPLEX OUTLET (CEILING MOUNTED)

– REFRIGERATOR OUTLET (WALL MOUNTED)

– LAN POWER OUTLET (WALL MOUNTED)

– VOICE OUTLET (WALL MOUNTED)

– DATA OUTLET (WALL MOUNTED)

– IP PHONE OUTLET (WALL MOUNTED)

– DATA OUTLET;2 GANG (FLOOR MOUNTED)

– WI–FI

– DATA CABINET

– MANUAL CALL POINT

– SMOKE DETECTOR

– HEAT DETECTOR

– HORN & STROBE

– CIRCUIT BREAKER

– ECB, NEMA 3R

– KILOWATT–HOUR METER
- UHG FINANCE
- GENERAL NOTES AND LEGEND
- SCALE
- NTS.
-
-
- UNILAB, Inc.
NO. 66 UNITED ST.,
MANDALUYONG CITY
-
- PREPARED BY :
- PSG - BUILD
- PSG OFFICE, BLDG 1 UNILAB CORPORATE CENTER,
NO. 66 UNITED STREET, MANDALUYONG CITY,
PHILIPPINES
TEL. NO. 8858-1000
- PROJECT TITLE & LOCATION:
- 2ND. FLOOR ADMIN. BLDG.
- 2ND. FLOOR ADMIN. BLDG., ULCC MAIN COMPOUND
- MAINTENANCE SECTION:
- ELECTRICAL :
- SANITARY/PLUMBING :
- MECHANICAL :
- DRAWN BY :
- VIC C. S. ANTONIO
- DATE: 3/8/2024
- CHECKED BY:
- AML / JJP / LLO
- DATE:
- CONFORME:
- END-USER
- PLATE NO.:
- REV. 02: DATE: 3/8/2024
UPDATE OF LAYOUT
BASED ON REVISED FLR. PLAN.
- SHEET NO:
- E
11 | 11