

GENERAL NOTES

- 1) Do not scale services equipment from this drawing.  
2) All dimensions should be checked on site.  
3) Any drawing errors or discrepancies should be brought to the attention of  
Geacny Engineering Consultants at the address shown below.  
4) Drawing to be read in conjunction with all other drawings and documentation.

NOTES:

1. ELECTRICAL INSTALLATION SHALL BE INSTALLED & CERTIFIED IN ACCORDANCE WITH I.S. 1010T: 2020 NATIONAL RULES FOR ELECTRICAL INSTALLATIONS. FED DIRECTLY FROM A THREE PHASE DISTRIBUTION BOARD SHALL HAVE THE APPROPRIATE PHASE COLOUR EXTENDED INTO THE SINGLE PHASE CIRCUITS FED FROM THAT PHASE. EATC COLOUR CODE FOR CABLE CORES AND EIT01/2004/2/2005 OF THE NATIONAL RULES FOR ELECTRICAL INSTALLATIONS AS INDICATED. SEE SPECIFICATION FOR FURTHER DETAILS.  
2. SURGE PROTECTION TO BE INSTALLED. SEE SPECIFICATION FOR FURTHER DETAILS.  
3. EXTERNAL LIGHTING TEST UNIT TO BE INSTALLED ON ALL ELECTRICAL BOARDS AS INDICATED. SEE SPECIFICATION FOR FURTHER DETAILS.  
4. EXTERNAL LIGHTING CIRCUITS ARE TO BE CONTROLLED BY PHOTOCELL, TIME CLOCK AND KEY OPERATED HAND-OFF-AUTO SWITCHES.  
5. THE SECURITY SYSTEM SHALL BE LINKED TO THE FACADE DETECTION SYSTEM.  
6. EXTERNAL LIGHTS ON BUILDING FACADE DURING HOURS OF DARKNESS. CONTACTORS SHALL BE PROVIDED FOR SAME.  
7. INTRUDER ALARM PANEL LINKED TO NEW FIRE ALARM PANEL. FOR DARKNESS. CONTACTORS SHALL BE PROVIDED FOR SAME.  
8. BUSBAR SYSTEM TO BE PROPRIETARY TYPE TESTED SYSTEM WITHIN ITS OWN COMPARTMENT WITH FRONT ACCESS.  
9. ALL MCCBS TO BE PLUG IN TYPE  
10. TRIP RATINGS, OVERLOAD AND SHORT TRIP SETTINGS TO BE CONFIRMED.  
11. ALL SWITCHGEAR INSTALLED SHALL BE SUPPLIED COW SUITABLY RATED OVERLOADS  
12. THE ELECTRICAL CONTRACTOR TO CHECK ALL QUANTITIES PRIOR TO ORDER OF DISTRIBUTION BOARDS.  
13. INDICATOR LAMPS TO INDICATE MAINS HEALTHY, LOSS OF RATED OVERLOADS  
14. ALLOW FOR MULTIFUNCTION METER TO ALL SWITCHGEAR - RESPECTIVE SERVICES.  
15. ALL METERS TO BE LINKED BACK TO BMS.  
16. THE ELECTRICAL CONTRACTOR SHALL ALLOW FOR REGULATIONS.  
17. PROVIDE FOR REQUIRED EARTH PITTS TO SYSTEM.  
18. ALLOW 25% SPARE CAPACITY IN ALL LIGHTING, POWER & GENERAL SERVICES BOARDS.  
19. ALL CIRCUITS SHALL BE PROTECTED BY AN ROBO  
20. ALL CIRCUITS SHALL BE SP- TYPE.

ABBREVIATIONS:

- RCD3 RESIDUAL-CURRENT CIRCUIT BREAKER WITH OVERCURRENT PROTECTION  
MCCB MOULDED CASE CIRCUIT BREAKER  
SWM STEEL WIRE ARMoured  
W/E CROSS-LINKED POLYETHYLENE  
LSF LOW SMOKE FLAME  
CU COPPER CONDUCTOR  
TP THREE PHASE  
SP SINGLE PHASE  
TP&N THREE PHASE & NEUTRAL  
SP&N SINGLE PHASE & NEUTRAL  
PFC POWER FACTOR CORRECTION  
CT CURRENT TRANSFORMER  
ROA HAND-OFF-AUTO SWITCH

LEGEND:

- SINGLE PHASE & NEUTRAL ISOLATOR  
 THREE PHASE & NEUTRAL ISOLATOR  
 SINGLE PHASE & NEUTRAL MOLDED CASE CIRCUIT BREAKER  
 THREE PHASE & NEUTRAL MOLDED CASE CIRCUIT BREAKER  
 CONNECTION TO EARTH  
 DIGITAL TIMECLOCK  
 MULTIFUNCTION METER WITH MODBUS OUTPUT CARD-LINKED TO BMS

| Revision | Description        | Date       | Drawn | Checked |
|----------|--------------------|------------|-------|---------|
| 1        | Construction Issue | May 2026   | RM    | CG      |
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