

GENERAL NOTES

ALL ELECTRICAL WORKS SHALL BE DONE IN ACCORDANCE WITH THE PROVISIONS OF THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE (PEC), EXISTING APPLICABLE LAWS, ORDINANCES, REQUIREMENTS, RULES AND REGULATION OF THE LOCAL GOVERNMENT AND LOCAL POWER COMPANY.

THE TYPE OF SERVICE POWER SHALL BE SINGLE PHASE, 2 WIRE, 230VOLTS, 60HZ, AC.

ALL LIGHTING CIRCUIT HOMERUNS AND CONVENIENCE OUTLETS SHALL BE WIRED WITH NOT LESS THAN 2.0mm², THHN/TW IN SIZE. ALL 20 AMPERE CIRCUIT HOMERUNS WITH MORE THAN 30 METERS IN LENGTH SHALL BE WIRED WITH 5.5mm² THHN/TW. LIKEWISE, ALL ELECTRICAL WIRES SHALL BE COLOR-CODED.

THE MINIMUM SIZE OF WIRE AND CONDUIT TO BE USED SHALL BE 2.0mm² THHN / TW AND 15mm NOMINAL DIAMETER, RESPECTIVELY.

WHEREVER REQUIRED AND NECESSARY, JUNCTION BOXES OR PULL BOXES SHALL BE INSTALLED AT INCONSPICUOUS LOCATIONS ALTHOUGH SUCH BOXES ARE NOT SHOWN ON THE PLANS NOR MENTIONED IN THE SPECIFICATIONS.

ALL NON-CURRENT CARRYING METAL PARTS/ENCLOSURES OF ELECTRICAL EQUIPMENT SHALL BE PROPERLY GROUNDED IN ACCORDANCE WITH ARTICLE 2.50 OF THE PHILIPPINE ELECTRICAL CODE PART 1, 2009 EDITION.

THE ELECTRICAL SYSTEM SHALL HAVE A GROUND RESISTANCE NOT EXCEEDING 5 OHMS.

STANDARD TYPE OF ACCESSORIES, SPLICING DEVICES, TERMINATION AND OTHER APPURTENANCES FOR THE ENTIRE ELECTRICAL INSTALLATION SHALL BE USED.

ALL MATERIALS TO BE USED AND INSTALLED SHALL BE BRAND NEW AND OF APPROVED TYPE FOR THE LOCATION AND PURPOSE.









UNDERGROUND CONDUIT SHALL BE BURIED A MINIMUM OF 600mm BELOW FINISHED GRADE LINE AND SHALL BE ENCASED IN 20.69MPa CONCRETE AT A MINIMUM 76mm THICKNESS ALL AROUND.


ALL WALL OUTLETS SHALL BE INSTALLED AT THE FOLLOWING HEIGHT ABOVE FINISHED FLOOR LEVEL, UNLESS NOTED ON THE PLANS.

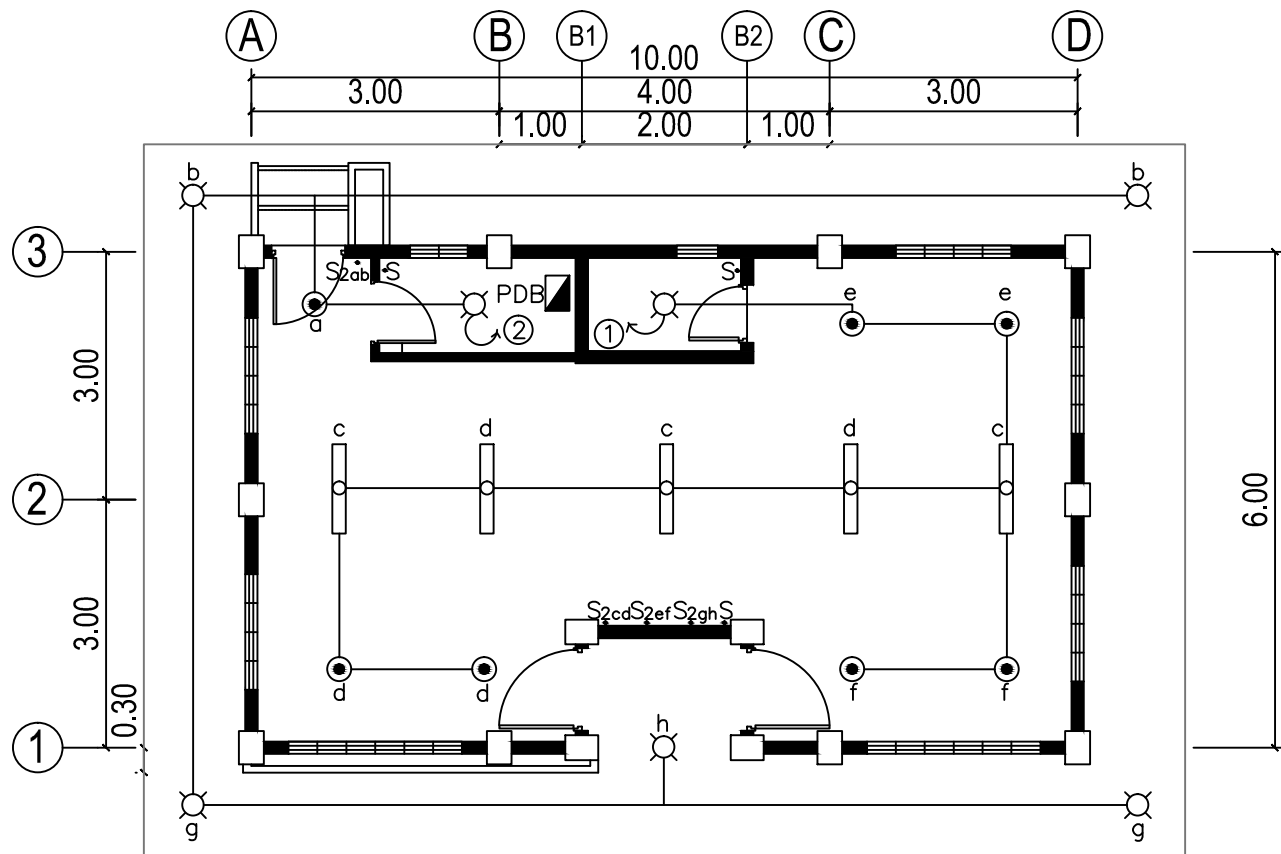
- a. WALL SWITCHES. 1200mm
- b. CONVENIENCE OUTLET. 300mm/150mm ABOVE WORKPLACE
- c. AIR CONDITIONING OUTLET AT CONVENIENCE HEIGHT NEAR EQUIPMENT
- d. OTHER AT CONVENIENCE HEIGHT NEAR EQUIPMENT

ALL ELECTRICAL WORKS SHALL BE DONE UNDER THE DIRECT AND IMMEDIATE SUPERVISOR OF A DULY REGISTERED PROFESSIONAL ELECTRICAL ENGINEER.

LEGEND

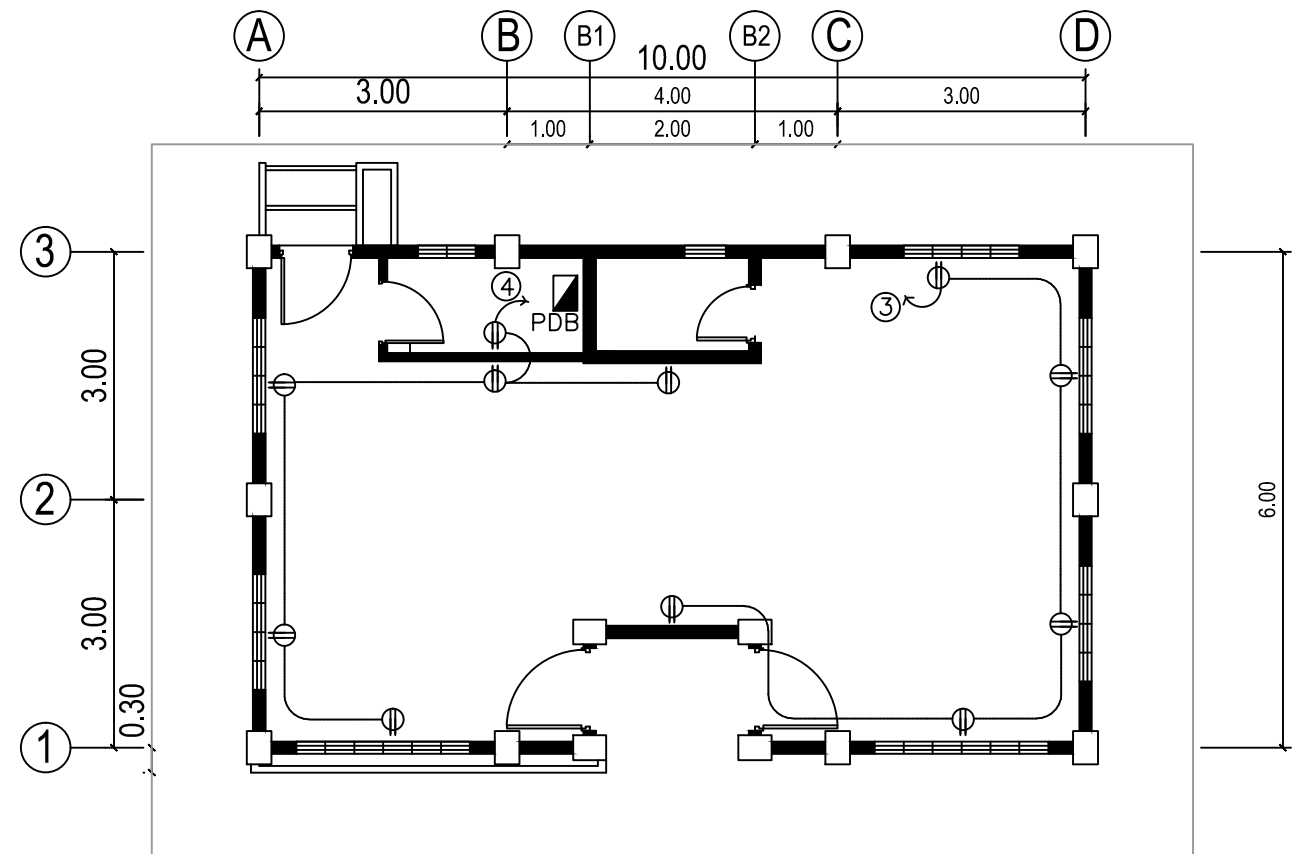
	—	BULB
	—	PIN LIGHT
	—	FLUORESCENT LAMP
	—	DUPLEX CONVENIENCE OUTLET
S	—	SINGLE SWITCH
S2	—	DUPLEX SWITCH
	—	CIRCUIT BREAKER
	—	GROUNDING
PDB 	—	MAIN DISTRIBUTION PANEL
	—	CIRCUIT HOMERUN

	OWNER	CAD OPERATOR:	ENGINEER	PROJECT TITLE	SHEET CONTENT	DESIGN BY: CDNS	REVISIONS		SHEET NO.
	VICENTE B. MALANO ADMINISTRATOR	TRISTAN R. PACIA WFT-1, INFRA UNIT, ETSD	DIOSDADO S. ORNUM WFS-2, METTS, ETSD	CONSTRUCTION OF THE NEW SYNOPTIC OFFICE BUILDING	GENERAL NOTES AND LEGEND	CHECKED:	DATE:		E/01
	LICENCE NO.:	DATE ISSUED:	LICENCE NO.:	DATE ISSUED:		DATE:			
	PTR NO.:	DATE ISSUED:	PTR NO.:	DATE ISSUED:					
				LOCATION:				ELECTRICAL	

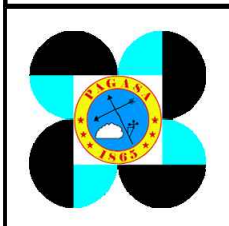


FOR PERIMETER LIGHTS

○ LIGHTING LAYOUT



○ POWER LAYOUT



OWNER	CAD OPERATOR:	ENGINEER	PROJECT TITLE	SHEET CONTENT	DESIGN BY:	REVISIONS		SHEET NO.
	VICENTE B. MALANO ACTING ADMINISTRATOR	TRISTAN R. PACIA WFT-1, INFRA UNIT, ETSD	DIOSDADO S. ORNUM WFS-2, METTS, ETSD	CONSTRUCTION OF THE NEW SYNOPTIC OFFICE BUILDING	LIGHTING AND POWER LAYOUT	CHECKED:	DATE:	E/02
	LICENCE NO.:	LICENCE NO.:	LOCATION:		DATE:			ELECTRICAL
	PTR NO.:	PTR NO.:						

PDB (SYNOPTIC BUILDING)


CKT. NO.	LOAD DESCRIPTION	SWITCHES			VA	V	A	SIZE OF WIRES		CONDUITS	CB RATING		
		S	S2	S3				THHN	THHN(G)		AT	AF	P
1	7-5W LED, 5-40W F.L.	1	2		75	230	0.33	2-2.0mm ²	1-2.0mm ²	15mm∅ PVC	20	60	2
2	7-5W LED, 3-5W PERIMETER LIGHTS	2	2		50	230	0.22	2-2.0mm ²	1-2.0mm ²	15mm∅ PVC	20	60	2
3	5-DUPLEX C.O.				900	230	3.91	2-3.5mm ²	1-2.0mm ²	15mm∅ PVC	20	60	2
4	6-DUPLEX C.O.				1080	230	4.70	2-3.5mm ²	1-2.0mm ²	15mm∅ PVC	20	60	2
5	SPARE; 2HP ACU				2760	230	12			20mm∅ PVC	30	60	2
6	SPARE; 2HP ACU				2760	230	12			20mm∅ PVC	30	60	2
7	SPARE				1000	230	6.52			15mm∅ PVC	20	60	2
8	SPARE				1000	230	6.52			15mm∅ PVC	20	60	2
TOTAL					9,625	230	41.85						

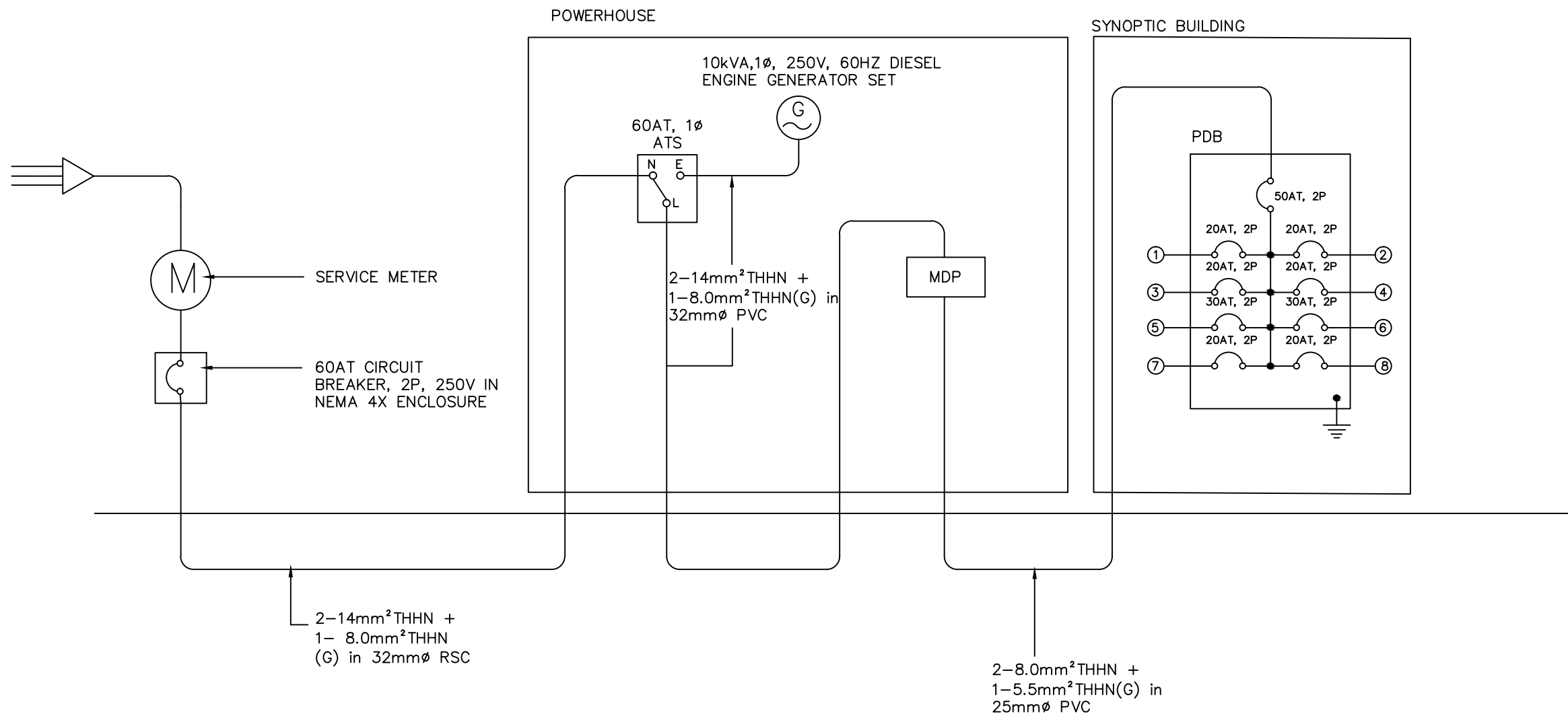
IT = 41.85 X 80% DF = 33.48 A

MCB - USE : 50AT, 60AF, 250V, 2P,
CIRCUIT BREAKER, BOLT-ON


FEEDER - USE : 2-8.0mm²THHN +
1-5.5mm²THHN(G)
IN 25mm∅ PVC

LOAD SCHEDULE

	OWNER	CAD OPERATOR:	ENGINEER	PROJECT TITLE	SHEET CONTENT	DESIGN BY: CDNS	REVISIONS		SHEET NO.
	VICENTE B. MALANO ADMINISTRATOR	TRISTAN R. PACIA WFT-1, INFRA UNIT, ETSD	DIOSDADO S. ORNUM WFS-2, METTS, ETSD	CONSTRUCTION OF NEW SYNOPTIC OFFICE BUILDING	LOAD SCHEDULE	CHECKED:	DATE:		E/03
						DATE:			
LICENCE NO.:	DATE ISSUED:	LICENCE NO.:	DATE ISSUED:	LOCATION:				ELECTRICAL	
PTR NO.:	DATE ISSUED:	PTR NO.:	DATE ISSUED:						



○ — SINGLE LINE DIAGRAM

	OWNER	CAD OPERATOR:	ENGINEER	PROJECT TITLE	SHEET CONTENT	DESIGN BY: CDNS	REVISIONS		SHEET NO.
	VICENTE B. MALANO ADMINISTRATOR	TRISTAN R. PACIA WFT-1, INFRA UNIT, ETSD		DIOSDADO S. ORNUM WFS-2, METTS, ETSD		CONSTRUCTION OF THE NEW SYNOPTIC OFFICE BUILDING	SINGLE LINE DIAGRAM	DATE:	E/04
		LICENCE NO.:	DATE ISSUED:	LICENCE NO.:	DATE ISSUED:			DATE:	
		PTR NO.:	DATE ISSUED:	PTR NO.:	DATE ISSUED:			DATE:	
<p style="text-align: right;">ELECTRICAL</p>									