LOAD SCHEDULE AND COMPUTATION

PANEL "LP" MAIN: 40AT 100AF 2P 230V 1Ø 3-WIRE 230V									
FEEDER NO.	LOAD DESCRIPTION	AMP. PER CIRCUIT	VOLTS	CIRCUIT BREAKER			HOMERUN		
				TRIP	FRAME	POLE	WIRE	CONDUIT	
1	CONVENIENCE OUTLET	7.04	230	20	50	2	3#3.5mm2 THHN	15mmØ IMC	
2	CONVENIENCE OUTLET	6.26	230	20	50	2	3#3.5mm2 THHN	15mmØ IMC	
3	SPARE		230	20	50	2			
4	SPARE		230	20	50	2			
	TOTAL	13.30							
	USE : 2# 8.0mm2 THHN ILP = 13.30 AMPERES								

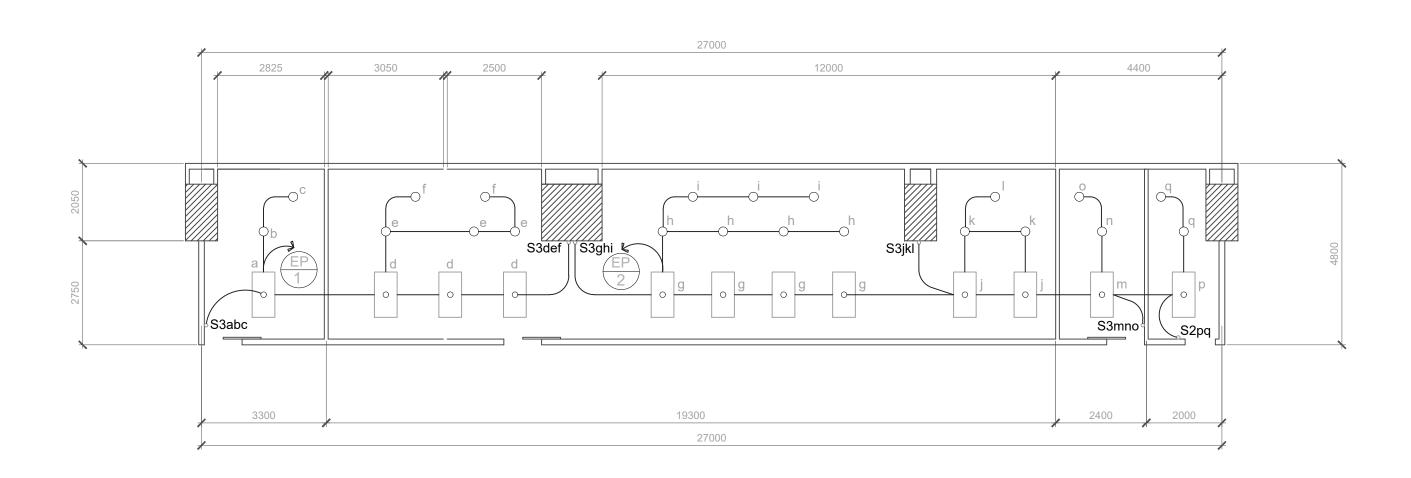
LOAD SCHEDULE AND COMPUTATION

PANEL "EP" MAIN: 40AT 100AF 2P 230V 1Ø 3-WIRE 230V										
FEEDER NO.	LOAD DESCRIPTION	AMP. PER CIRCUIT	VOLTS	CIRCUIT BREAKER			HOMERUN			
				TRIP	FRAME	POLE	WIRE	CONDUIT		
1	LIGHTING	2.91	230	20	50	2	3#3.5mm2 THHN	15mmØ IMC		
2	LIGHTING	5.83	230	20	50	2	3#3.5mm2 THHN	15mmØ IMC		
3	SPARE		230	20	50	2				
4	SPARE		230	20	50	2				
	TOTAL	8.74								
	ILP = 8.74 AMF	: 2# 8.0mm2 TH 1# 5.5mm2 Ø T IN 20mmØ IMC	THHN							

2825 3050 2500 12000 4400 DEPT. HEAD OFFICE LOCKER AREA / PANTRY LOCKER 19300 2400 2000

IN 20mmØ IMC

POWER SYSTEM LAYOUT SCALE 1:100 MTS.



LIGHTING SYSTEM LAYOUT SCALE 1:100 MTS.

GENERAL NOTES

- 1. THE ELECTRICAL INSTALLATION WORKS HEREIN SHALL BE DONE IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS, THE APPLICABLE PROVISION OF THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE, THE RULES AND REGULATIONS OF THE LOCAL ENFORCING AUTHORITIY AND THE REQUIREMENTS OF THE LOCAL AND POWER TELEPHONE COMPANIES. THE ELECTRICAL WORKS SHALL BE UNDER THE IMMEDIATE SUPERVISION OF A DULY LICENSED ELECTRICAL ENGINEER OR MASTER ELECTRICIAN.
- 2. THE ELECTRIC SERVICE VOLTAGE SHALL BE SINGLE PHASE- 2 WIRE + GROUND 230 VOLTS.
- 3. THE ELECTRICAL INSTALLATION SHALL BE DONE IN IMC CONDUITS AND PVC CONDUITS, FLEXIBLE CONDUITS SHALL BE USED WHERE REQUIRED THE USED OF PVC CONDUITS SHALL BE LIMITED TO 15mm DIA. AND 20mm DIA. SIZE. THE MINIMUM SIZE FOR ALL CONDUITS SHALL BE IN 15mm DIA. ELECTRICAL TRADE SIZE, FOR STEEL CONDUITS PANASONIC AND ALLIED BRANDS OR APPROVED LOCAL EQUIVALENT SHALL BE USED. WHERE NON-METALLIC CONDUITS ARE ALLOWED TO BE USED, PVC CONDUITS SCHEDULE 48, ATLANTA AND EMERALD BRANDS OR APPROVED EQUIVALENT SHALL BE USED.
- 4. ALL WIRES SHALL BE COPPER AND THERMOPLASTIC INSULATED TYPE 'THHN" UNLESS OTHERWISE INDICATED, THE MINIMUM SIZE FOR POWER SHALL BE 3.5mm2 AND FOR LIGHTING SHALL BE 2.0mm2. THE CONTROL WIRES SHALL BE 2.0mm2, ALL OTHER WIRES SHALL BE AS INDICATED OR AS SPECIFIED ELSEWHERE ON THE PLANS. PHELPS DODGE AND COLUMBIA BRANDS OR EQUIVALENT SHALL BE USED.
- 5. THE CONTRACTOR SHALL VERIFY AND ORIENT THE ACTUAL LOCATION OF SERVICE ENTRANCE FOR CONNECTION TO THE POWER SUPPLY AND ALSO THE ACTUAL LOCATION OF THE TELEPHONE AND CABLE TV SYSTEM SERVICE ENTRANCE FOR CONNECTION TO THE TELEPHONE AND CABLE FACILITIES.
- 6. ALL SERVICE ENTRANCE EQUIPMENT, SWITCHES, PANEL BOARDS, LIGHTING FIXTURES AND ALL NON CURRENT CARRYING METAL PARTS SHALL BE PROPERLY GROUNDED IN ACCORDANCE WITH THE PHILIPPINE ELECTRICAL
- 7. ALL 20 AMPERE CIRCUIT HOMERUNS TO THE PANEL BOARDS MORE THAN 30 METERS IN LENGTH SHALL BE NO. 3.5mm2 UNLESS OTHERWISE SPECIFIED.
- 8. ALL FEEDERS AND BRANCH CIRCUITS SHALL BE INSTALLED AS INDICATED ON THE PLANS, BRANCH CIRCUIT HOMERUN WIRES SHALL BE INSTALLED IN INDIVIDUAL HOMERUN CONDUITS.
- 9. PULLBOX OR PULLBOXES OR MANHOLES OR HANDHOLES SHALL BE PROVIDED EVEN IF NOT INDICATED ON THE PLANS,
- IF THE FIELD CONDITION IS REQUIRED.

 10. THE MOUNTING HEIGHTS OF WIRING DEVICES SHALL BE AS FOLOWS

LIGHT SWITCHES

1.40 METER ABOVE FLOOR FINISH
CONVENIENCE OUTLET

0.30 METER ABOVE FLOOR FINISH

VOICE AND DATA TELEPHONE OUTLET

PANEL BOARD AND CABINETS

0.30 METER ABOVE FLOOR FINISH

1.40 METER ABOVE FLOOR FINISH

PANEL BOARD AND CABINETS

1.40 METER ABOVE FLOOR FINISH @ CENTER OR AS REQUIRED

ALL MOUNTING HEIGHTS SHALL BE SUBJECT FOR ARCHITECTS APPROVAL PRIOR TO INSTALLATION

LEGEND

o 1 X 24 WATTS DAYLIGHT TROFFER LIGHT

O PINLIGHT

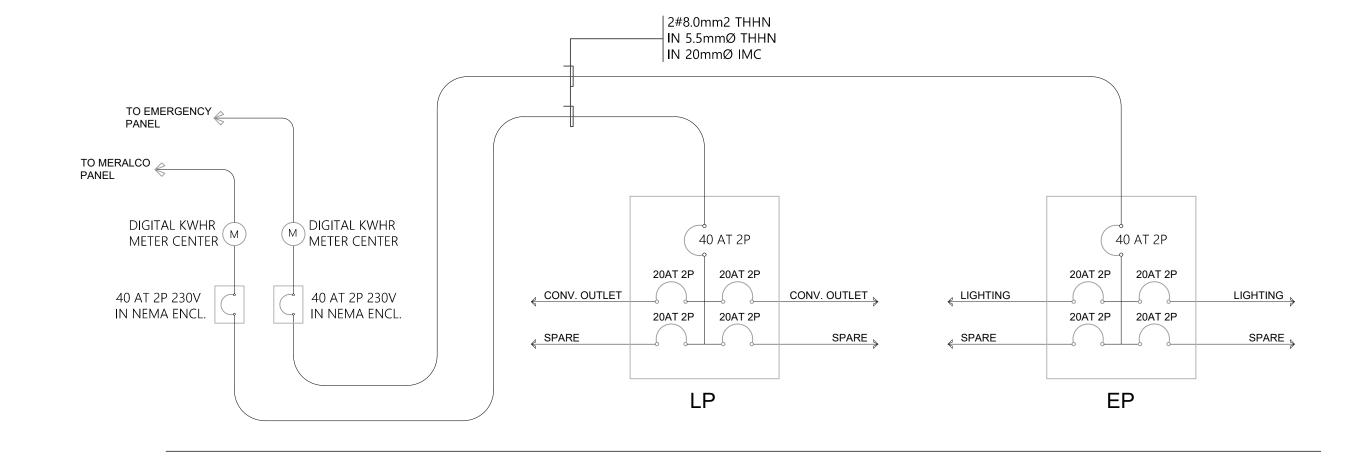
→ DUPLEX CONVENIENCE OUTLET

EMERGENCY PANEL BOARD

THREE GANG SWITCH

■ LP PANEL BOARD

S2ab TWO GANG SWITE



SINGLE LINE DIAGRAM NTS.

CONTRACTOR	CHECKED BY.	PROFESSIONAL ELECTRICAL ENGINEER PRC. NO. PTR. NO. TIN. NO. ISSUED ON		PROJECT	OWNER	SHEET CONTENT	DESIGN BY.	SHEET NO.
				DEPARTMENT HEAD		AS SHOWN	CADD BY. jst	E 1
				OFFICE RENOVATION	MACRO ASIA NAIA TERMINAL 3		DATE JAN. 2025	
				LOCATION 2ND FLOOR, TERMINAL BLDG., NINOY AQUINO AVENUE, PASAY. CITY	ADDRESS		APPROVED BY.	
				ECCATION ZNDTECON, TENNINAE BEBG., NINOT AQUINO AVENUE, FAGAT. CITT	ADDITEGS		AFFILOVED BT.	