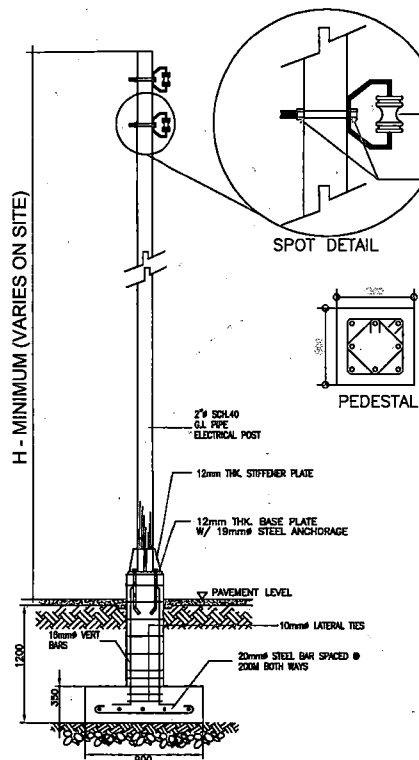


H - MINIMUM (VARIES ON SITE)



NOTE : MAXIMUM HORIZONTAL (SPAN) CLEARANCE FROM BUILDING TO LAST POLE OR POLE TO POLE SHOULD BE 20 METERS. MINIMUM HEIGHT (H) VARIES ON SITE.

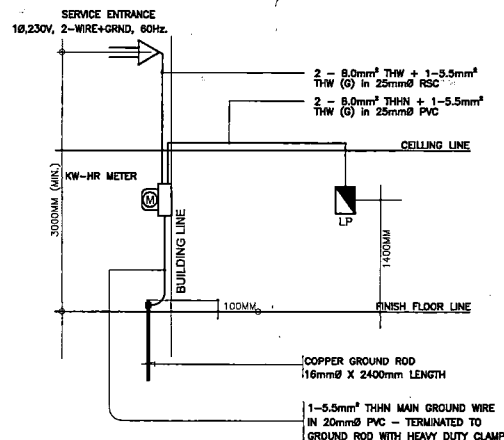
TYPICAL SECTION
DETAIL OF G.I. POST

3

E-01

SCALE

NTS



LEGEND & SPECIFICATIONS :

- 2x36W LED LIGHTING FIXTURE, 230V, SURFACE-MOUNTED
- 1x5W LED LAMP WITH 4 IN. PVC RECEPTACLE
- DUPLEX CONVENIENCE OUTLET, 3-PRONG GROUNDING TYPE, 230V, 16A
- ONE-GANG SINGLE POLE WALL SWITCH, SUBSCRIPT LETTER DENOTES CONTROLLED FIXTURE
- THREE-GANG SINGLE POLE WALL SWITCH, SUBSCRIPT LETTER DENOTES CONTROLLED FIXTURE
- FAN CONTROL SWITCH, NUMBER DENOTES CONTROLLED FAN
- 80W/100VA CEILING FAN, 14 IN. DIA ORBIT TYPE, 230V
- CIRCUIT HOMERUN TO PANELBOARD LP
- MAIN FEEDER WIRING CONCEALED CONDUIT INSIDE CEILING
- SERVICE DROP, AERIAL WIRING
- BRANCH CIRCUIT WIRING IN PVC CONDUIT FOR TOILET (OUTDOOR) VIA UNDERGROUND RACEWAY
- BRANCH CIRCUIT WIRING IN PVC CONDUIT (INDOOR) RUN THROUGH CEILING/EMBEDDED ON WALLS OR COLUMNS
- SERVICE ENTRANCE, 230V, 1Ø, 2-WIRE+GRND, 60Hz
- LIGHTING & POWER PANELBOARD MARKED "LP" FLUSH-MOUNTED

SCHEDULE OF LOADS AND COMPUTATIONS :

PANELBOARD NAME: LP LOCATION: CLASSROOM 2 MOUNTING TYPE: FLUSH-MOUNTED				MAIN: 50AF/50AT,2P,15KAIC,230V				
CKT. NO.	LOAD DESCRIPTION	VA PER CKT.	VOLTS	PROTECTION			HOMERUN	
				AF	AT	P	WIRE	CONDUIT
1	MAIN BREAKER		230	50	50	2	2-8.0mm ² THHN+1-5.5mm ² THHN (G)	25mmø PV
2	4-5W CL 2-5W TOILET 24x36W LED FIXTURE	1118	230	50	20	2	2-3.5mm ² THHN	20mmø PV
3	4x200VA CO 2x100VA CEILING FAN	1000	230	50	20	2	2-3.5mm ² THHN+1-3.5mm ² THHN (G)	20mmø PV
4	4x200VA CO 2x100VA CEILING FAN	1000	230	50	20	2	2-3.5mm ² THHN+1-3.5mm ² THHN (G)	20mmø PV
5	SPARE	1500	230	50	20	2		20mmø PV STUB-OUT
6	SPARE	1500	230	50	20	2		20mmø PV STUB-OUT
T O T A L		6,118						
$I_L = \left(\frac{6,118}{230} \right) \times 0.8 \text{ D.F.} = 21.28 \text{ AMPERES}$								
MAIN FEEDER: USE : 2-8.0mm ² THHN+1-5.5mm ² THHN (G) IN 25mmø PVC				PROTECTION: MAIN: 50AF/50AT,2P,230V,15KAIC Branches: 5x20AT,2P Bolt-on type in NEMA-1 Enclosure with ground terminal				

GENERAL NOTES:

- ALL ELECTRICAL WORKS SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE PHILIPPINES ELECTRICAL CODE (PEC), EXISTING APPLICABLE LOCAL ORDINANCES, RULES AND REGULATIONS OF THE LOCAL GOVERNMENT AND LOCAL POWER COMPANY.
- POWER SUPPLY SHALL BE 230V, 1Ø, 2P, 2 WIRES + GRND, 60 HERTZ.
- THE CONTRACTOR SHALL COORDINATE WITH THE LOCAL POWER COMPANY ON THE FINAL LOCATION OF SERVICE ENTRANCE AND/OR SERVICE DROP ROUTE.
- PULL OR JUNCTION BOXES SHALL BE INSTALLED AT CONVENIENT AND INCONSPICUOUS LOCATION ALTHOUGH SUCH BOXES ARE NOT SHOWN ON THE PLANS.
- ADEQUATE AND EFFECTIVE GROUNDING SHALL BE PROVIDED IN ACCORDANCE WITH THE PEC.
- ALL ELECTRICAL WORKS HERE UNDER SHALL BE DONE UNDER THE DIRECT SUPERVISION OF A REGISTERED ELECTRICAL ENGINEER OR MASTER ELECTRICIAN.
- MATERIALS AND EQUIPMENT TO BE USED SHALL BE APPROVED TYPE FOR BOTH LOCATION & PURPOSE.

SCHOOL:

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SCHOOL DIVISION SUPERINTENDENT

PROJECT TITLE:

ELECTRIFICATION AND UPGRADING

SHEET CONTENTS:

SHEET NO:

1
A-4