



TABLE OF CONTENTS

REPUBLIC OF THE PHILIPPINES

OFFICE OF THE CITY/MUNICIPAL ENGINEER/BUILDING OFFICIAL

DISTRICT/CITY/MUNICIPALITY

LAND USE & ZONING

ARCHITECTURAL

- A-1 PERSPECTIVE VIEW, TABLE OF CONTENTS
- A-2 FLOOR PLAN, ELEVATIONS, SECTIONS, ROOF DECK PLAN
- A-3 SCHEDULE OF DOOR & WINDOWS, BAY SECTION, DETAIL OF COUNTER SINK, KITCHEN CABINET DETAIL
- A-4 DETAILED PLAN OF RAMP, DETAILED ELEV. OF RAMP SPOT DETAIL, DETAIL SECTION

STRUCTURAL

- S-1 FOUNDATION PLAN, ROOF FRAMING PLAN FOOTING DETAIL, COLUMN DETAIL, WF-1, RAMP DETAIL
- S-2 ELEVATIONS TYPICAL CONNECTION DETAIL

ARCHITECTURAL

LINE & GRADE

ELECTRICAL

E-1 ELECTRICAL LAYOUT PLAN, RISER DIAGRAM, LOAD SCHEDULE, GEN. NOTES

SANITARY

STRUCTURAL

SANITARY

P-1 PLUMBING RO—IN LAYOUT, SEPTIC TANK DETAIL, GENERAL NOTES, LEGEND, DESIGN CRITERIA

ELECTRICAL

MECHANICAL



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CHECKED BY :



RECOMMENDING APPROVAL:

CHIEF, PFSED-OPS DepED

APPROVED BY :

PROJECT TITLE : ONE STOREY TWO CLASSROOM for Learning And Public Use

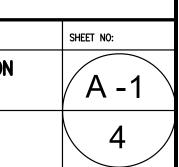
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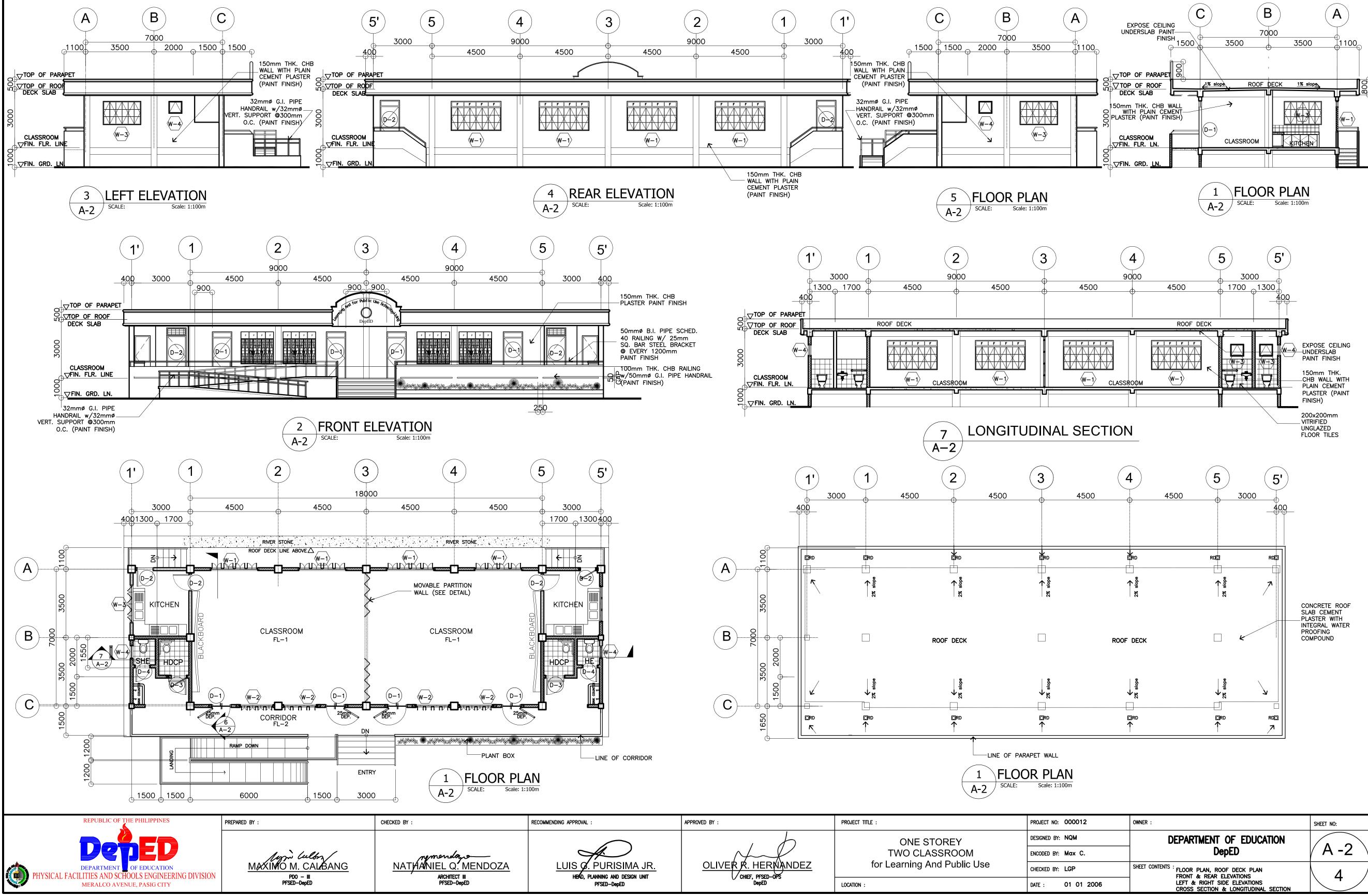
PROJECT NO: 000012 DESIGNED BY: NQM ENCODED BY: Max C. CHECKED BY: LGP

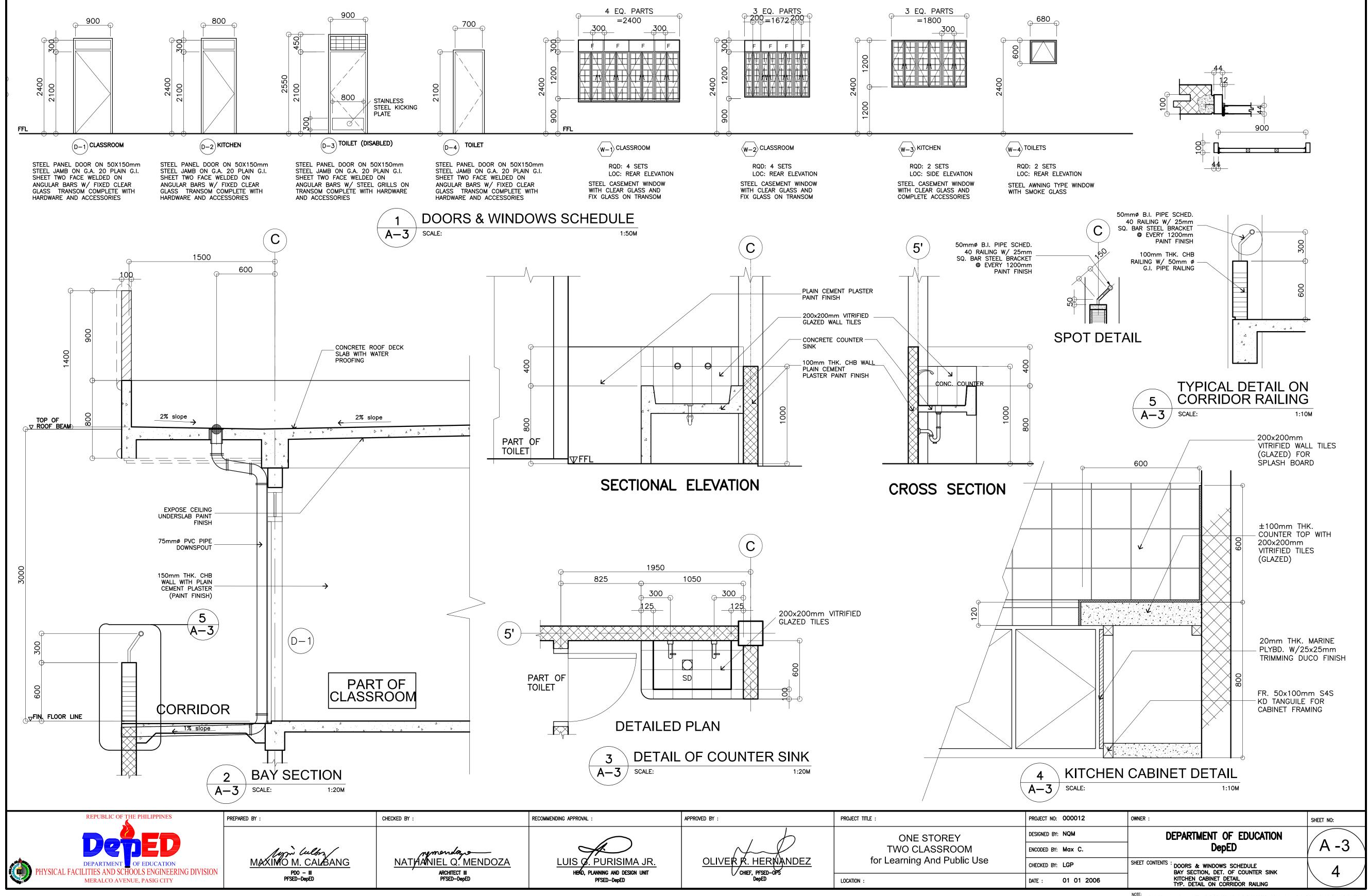
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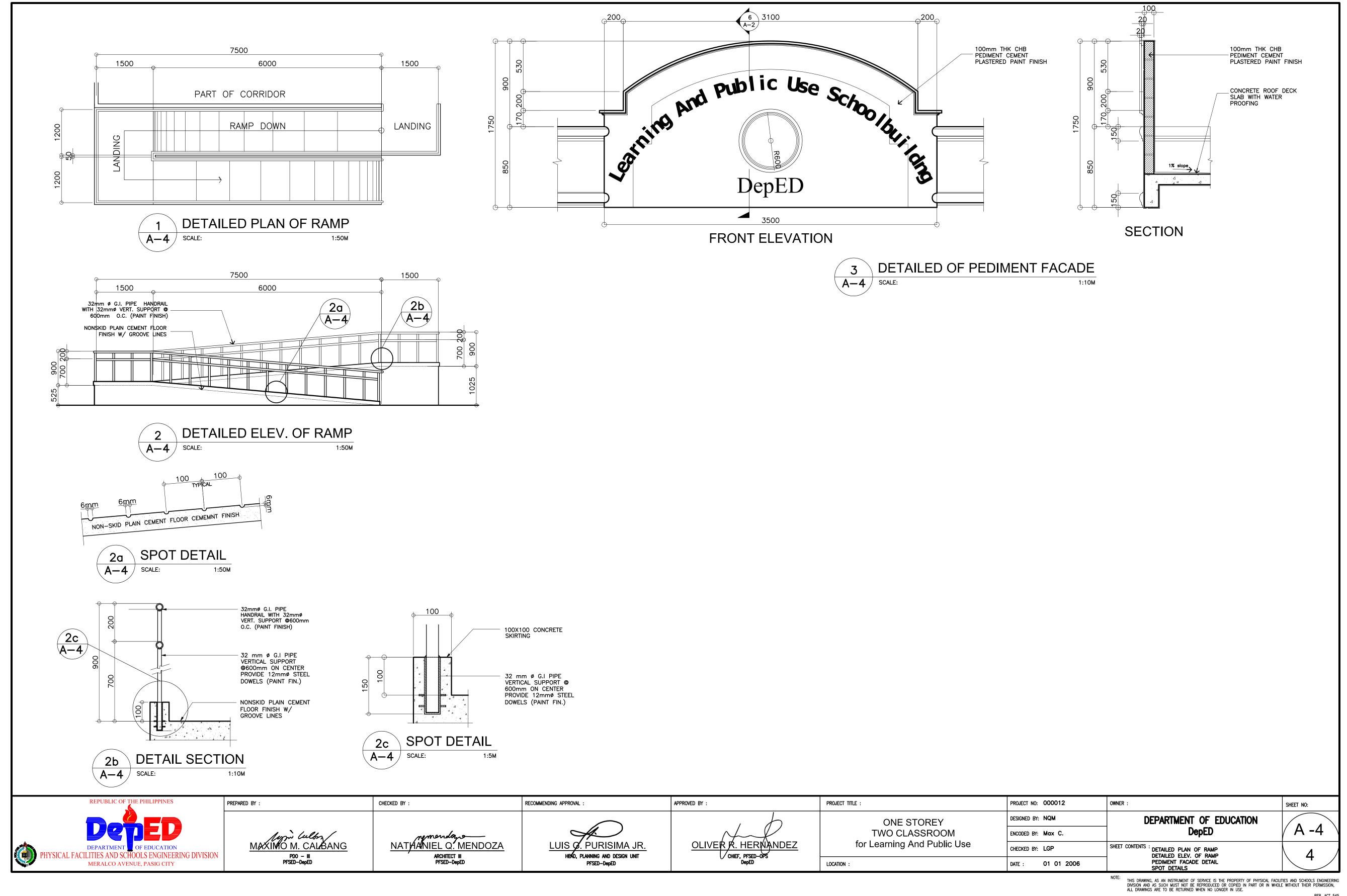
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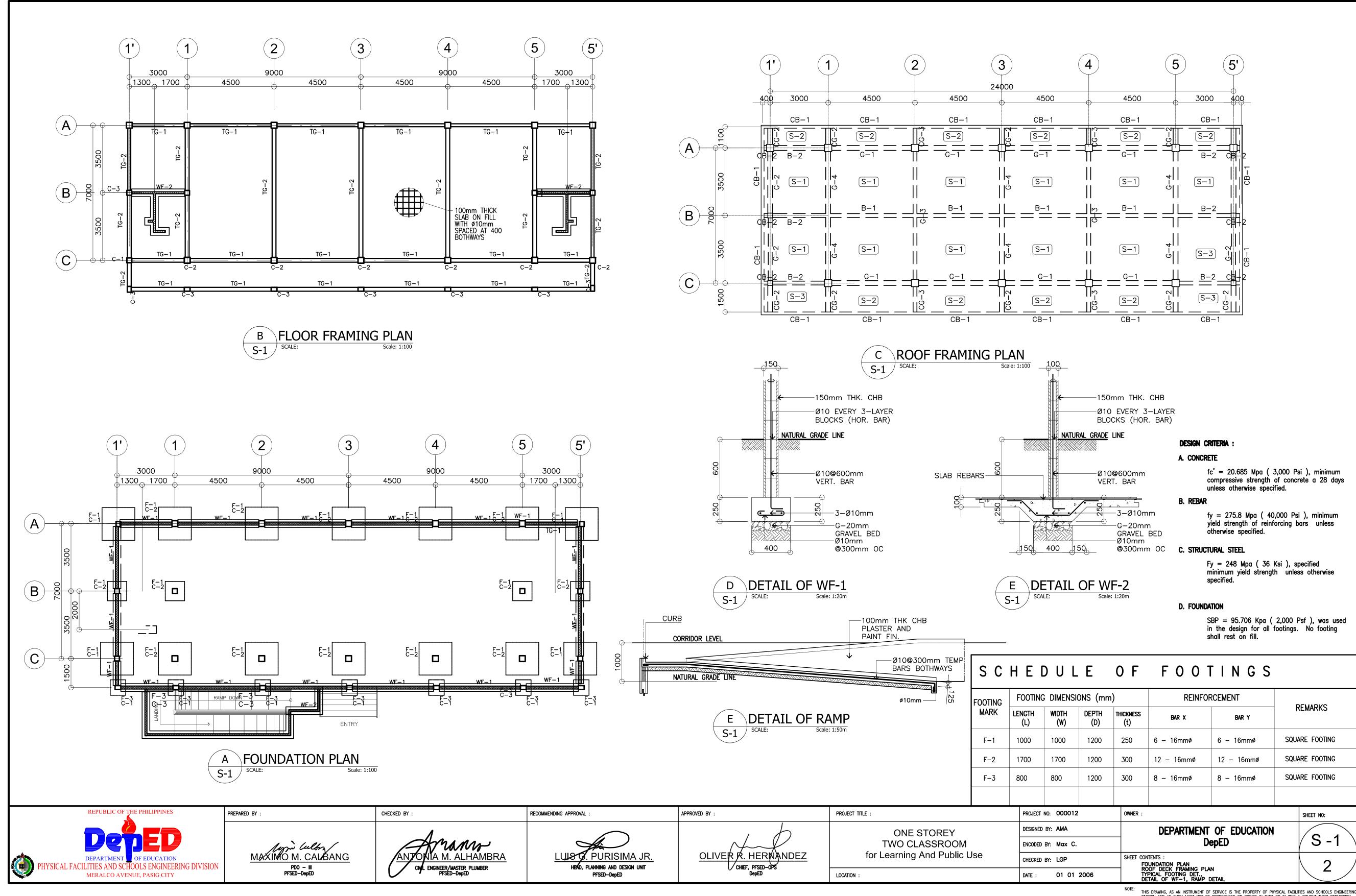
PERSPECTIVE

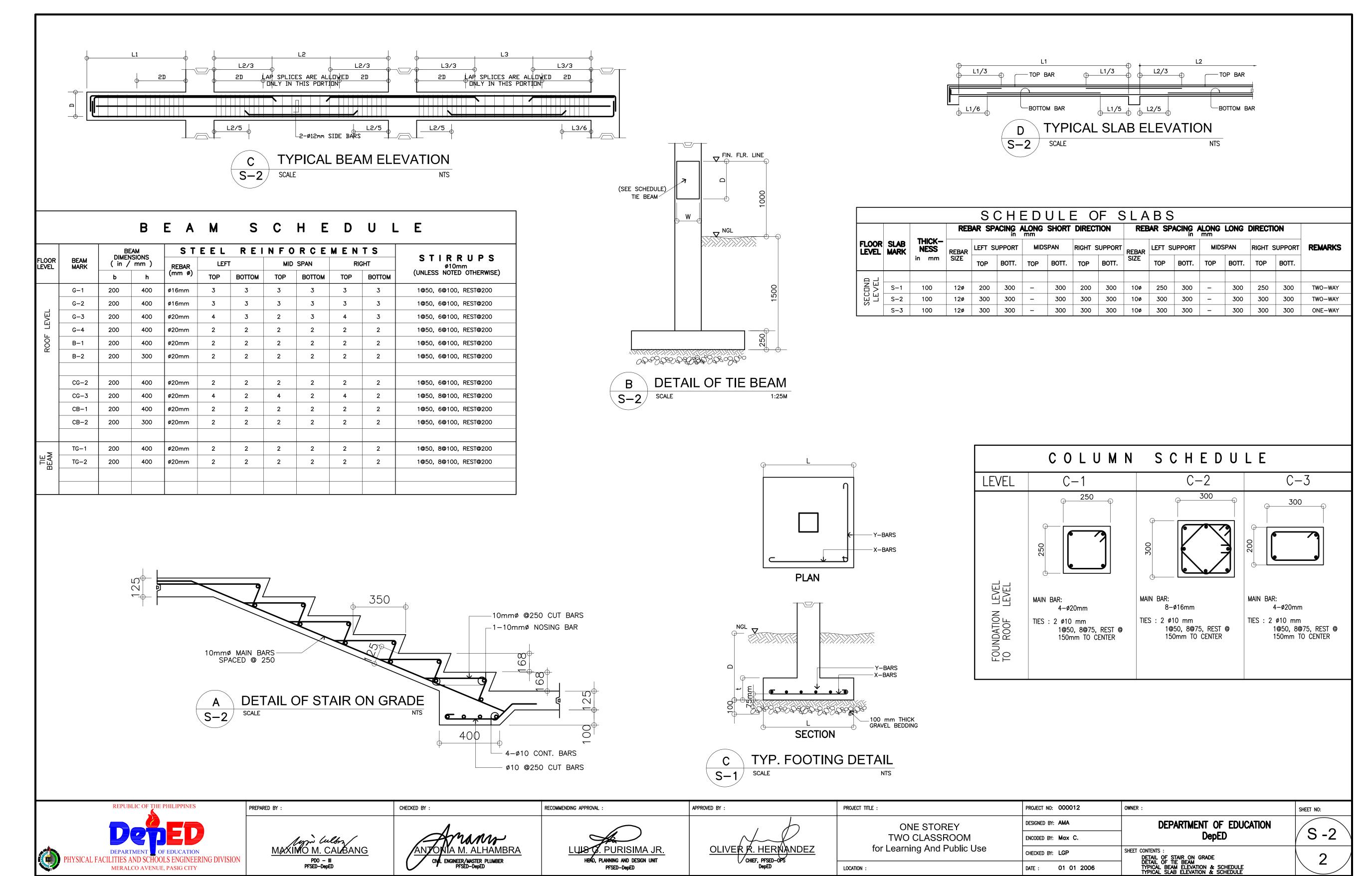












GENERAL NOTES

- 1. ALL ELECTRICAL WORKS SHALL COMPLY IN ACCORDANCE WITH THIS PLAN AND SPECIFICATIONS. THE APPLICABLE PROVISIONS OF THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE (PEC). THE RULES AND REGULATION OF THE LOCAL ENFORCING AUTHORITY AND THE REQUIREMENTS OF THE LOCAL POWER COMPANY. THE ELECTRICAL WORKS SHALL BE UNDER IMMEDIATE SUPERVISION OF A DULY REGISTERED ELECTRICAL ENGINEER.
- 2. THE ELECTRICAL SERVICE POWER IS 1—PHASE, 2—WIRE, 230 V AC, 60 Hz.
- 3. WIRING METHOD SHALL BE AS FOLLOWS:
 a. FEEDERS AND RISERS INTERMEDIATE METALLIC CONDUIT
 b. LIGHTING, POWER RECEPTACLE POLYVINYL CHLORIDE CONDUIT BRANCH CKT., & AUXILIARY SCH. 40
- 4. ALL WIRES SHALL BE COPPER AND THERMOPLASTIC INSULATED TYPE "THW" UNLESS OTHERWISE INDICATED IN THE PLAN. THE MINIMUM SIZE OF WIRE FOR POWER AND LIGHTING CIRCUIT HOMERUN SHALL BE 3.5mm² AND INSULATED FOR 600 VOLTS. SMALLEST RACEWAY SHALL BE 15mmø TRADE/NOMINAL SIZE.
- 5. ALL OUTLET BOXES SHALL BE GALVANIZED GAUGE NO. 16 DEEP TYPE WITH FACTORY KNOCKOUTS.
- 6. ALL MATERIALS TO BE USED SHALL BE BRAND NEW AND APPROVED TYPE FOR THE PARTICULAR LOCATION AND PURPOSE OF USAGE.
- 7. GROUNDING SYSTEM SHALL BE PROVIDED TO ALL LIGHTING AND POWER CIRCUIT AS PER PHILIPPINE ELECTRICAL CODE REQUIREMENT.
- 8. MOUNTING HEIGHT OF WIRING DEVICES SHALL BE AS FOLLOWS:

a. LIGHT SWITCH - 1.20 M ABOVE FINISH FLOOR

b. CONVENIENCE OUTLET - 0.30 M ABOVE FINISH FLOOR.

c. PANELBOARD – 1.80 M ABOVE FINISH FLOOR

LEGEND

SYMBOL DESCRIPTION

← CEILING LIGHT OUTLET− 2 x 40 WATTS FLUORESCENT LAMP

F — CEILING FAN OUTLET

S/Sa — ONE GANG DEVICE SWITCH

Sab - TWO GANG DEVICE SWITCH

Scde - THREE GANG DEVICE SWITCH

- 1 x 40 WATTS FLUORESCENT LAMP

sf – FAN CONTROL SWITCH

RACEWAY CONDUIT CONCEALED IN CEILINGRACEWAY CONDUIT CONCEALED UNDER FLOOR

PANELBOARD

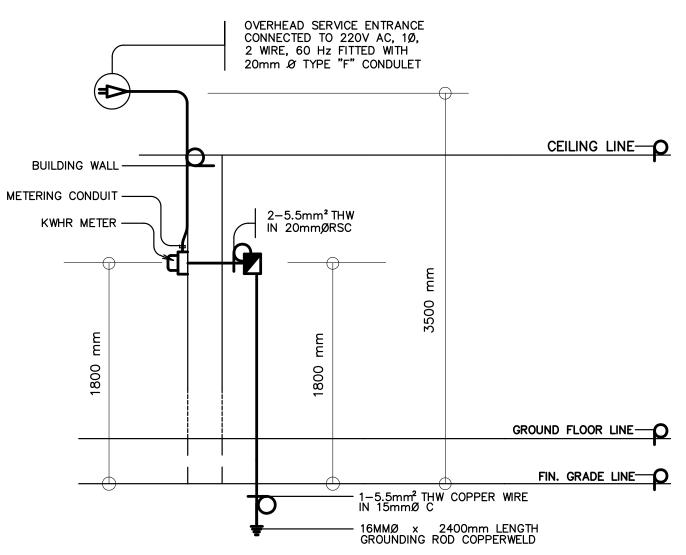
DUPLEX CONVENIENCE OUTLET, GROUNDING TYPE
 10 AMPS, 250 VOLT WITH MODERN PLATE COVER

WEATHERPROOF TYPE
 DUPLEX CONVENIENCE OUTLET, GROUNDING TYPE
 10 AMPS, 250 VOLT WITH MODERN PLATE COVER

- HOMERUN DIRECT TO PANELBOARD

• - ELECTRIC SERVICE METER

→ SERVICE ENTRANCE

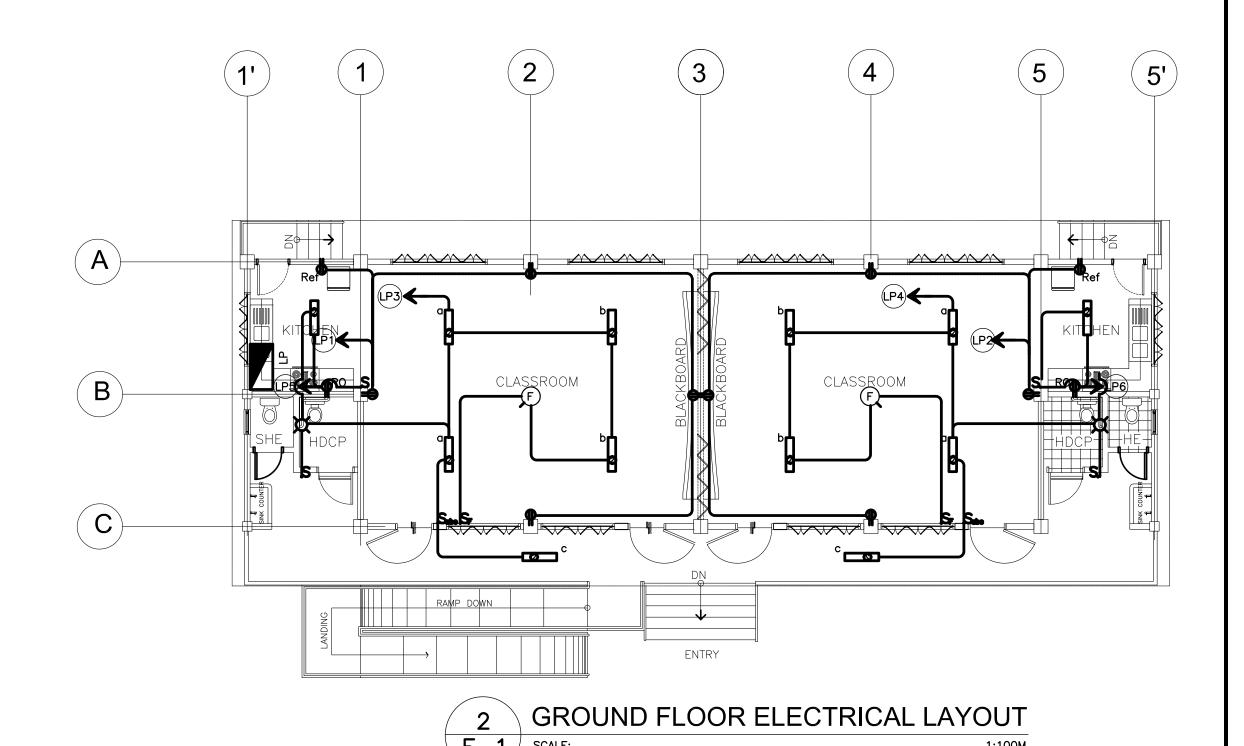




LOAD SCHEDULE

PANELBOARD: LP MAIN: 60AT, 100AF, 2P, 240V								
CKT. NO.	DESCRIPTION	VA LOAD	CIRCUIT BREAKER				WIRE & CONDUIT SIZE	
			VOLT	POLE	АТ	AF	WIRE & CONDOIL SIZE	
1	CONVENIENCE OUTLET	900	230	2	20	50	3−3.5mm² THW IN 15mm ØC	
2	CONVENIENCE OUTLET	900	230	2	20	50	3-3.5mm² THW IN 15mm ØC	
3	LIGHTS & FAN	800	230	2	20	50	3-3.5mm² THW IN 15mm ØC	
4	LIGHTS & FAN	700	230	2	20	50	3-3.5mm² THW IN 15mm ØC	
5	RANGE OUTLET	1500	230	2	20	50	3-3.5mm² THW IN 15mm ØC	
6	RANGE OUTLET	1500	230	2	20	50	3-3.5mm² THW IN 15mm ØC	
7	SPARE	1500	230	2	20	50		
	TOTAL							
$IL = 7800 = 34 A$ $FEEDER: 2-8.0 \text{ mm}^2 \text{ THW IN } 20 \text{mm} \emptyset RSC$								
	230 V				PROTECTION: 40 AT, 50 AF, 2P, 240 V			

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ONE STOREY
TWO CLASSROOM
for Learning And Public Use

PROJECT TITLE :

PROJECT NO: 000012 OWNER:

DESIGNED BY: VDS

ENCODED BY: Max C.

CHECKED BY: LGP

DATE: 01 01 2006

DEPARTMENT OF EDUCATION

DepED

SHEET CONTENTS:

GENERAL NOTES
ELECTRICAL LAYOUT
RISER DIAGRAM

SHEET NO:

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