



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 GROUND FLOOR PLAN SECOND FLOOR PLAN
- A-3 REFLECTED CEILING PLAN CROSS SECTION RIGHT SIDE ELEVATION
- A-4 SCHED. OF DOORS & WINDOWS RAMP DETAILS, EAVES DETAIL, SUN BREAKER DETAIL DAMP PROOFING DETAIL, BALCONY RAILING DET.
- A-5 ROOF PLAN, LONGITUDINAL SECTION
- A-6 FRONT ELEV., REAR ELEV.
- A-7 STAIR & HANDRAIL DETAILS
- A-8 TOILET DETAILS

LINE & GRADE

ARCHITECTURAL

STRUCTURAL

- S-1 FOUNDATION PLAN, 2ND FLOOR FRAMING
- S-2 ROOF DECK FRAMING PLAN SCHEDULE OF SLAB

CONNECTION

- S-3 DET. STAIR ON GRADE, RAMP & STAIR DET. OF FOOTING, TIE BEAM & COLUMN S-4 TRUSS DIAGRAM, SCHEDULE OF BEAM DETAILS OF STEEL

SANITARY

STRUCTURAL

ELECTRICAL

- E-1 GENERAL NOTES, LEGEND, LOAD SCHEDULE, RISER DIAGRAM, SINLE
- E-2 POWER LAYOUT (GROUND & SECOND
- FLOOR)
 E-3 LIGHTING LAYOUT (GROUND & SECOND FLOOR)

ELECTRICAL

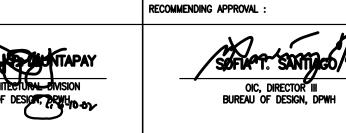
SANITARY

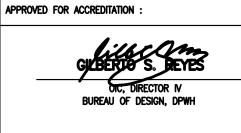
- P-1 SEWER SYSTEM LAYOUT, LEGEND, DESIGN CRITERIA, NOTES
- P-2 WATER & DRAINAGE SYSTEM LAYOUT, SEPTIC TANK, CATCH BASIN, DRAIN PIT, & LEACHING FIELD DETAILS

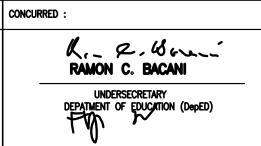
MECHANICAL

REPUBLIC OF THE PHILIPPINES DEPARTMENT OF EDUCATION (DepED)
TASK FORCE ENGINEERING, ASSESSMENT AND MONITORING MERALCO AVENUE, PASIG CITY

REVIEWED BY: CONSULTANT / DESIGNER ALBERT Z. DE BELEN PRC NO. : 0010990 TIN : 149 460 161
PTR NO. : DATE : 27 OCT. 2002







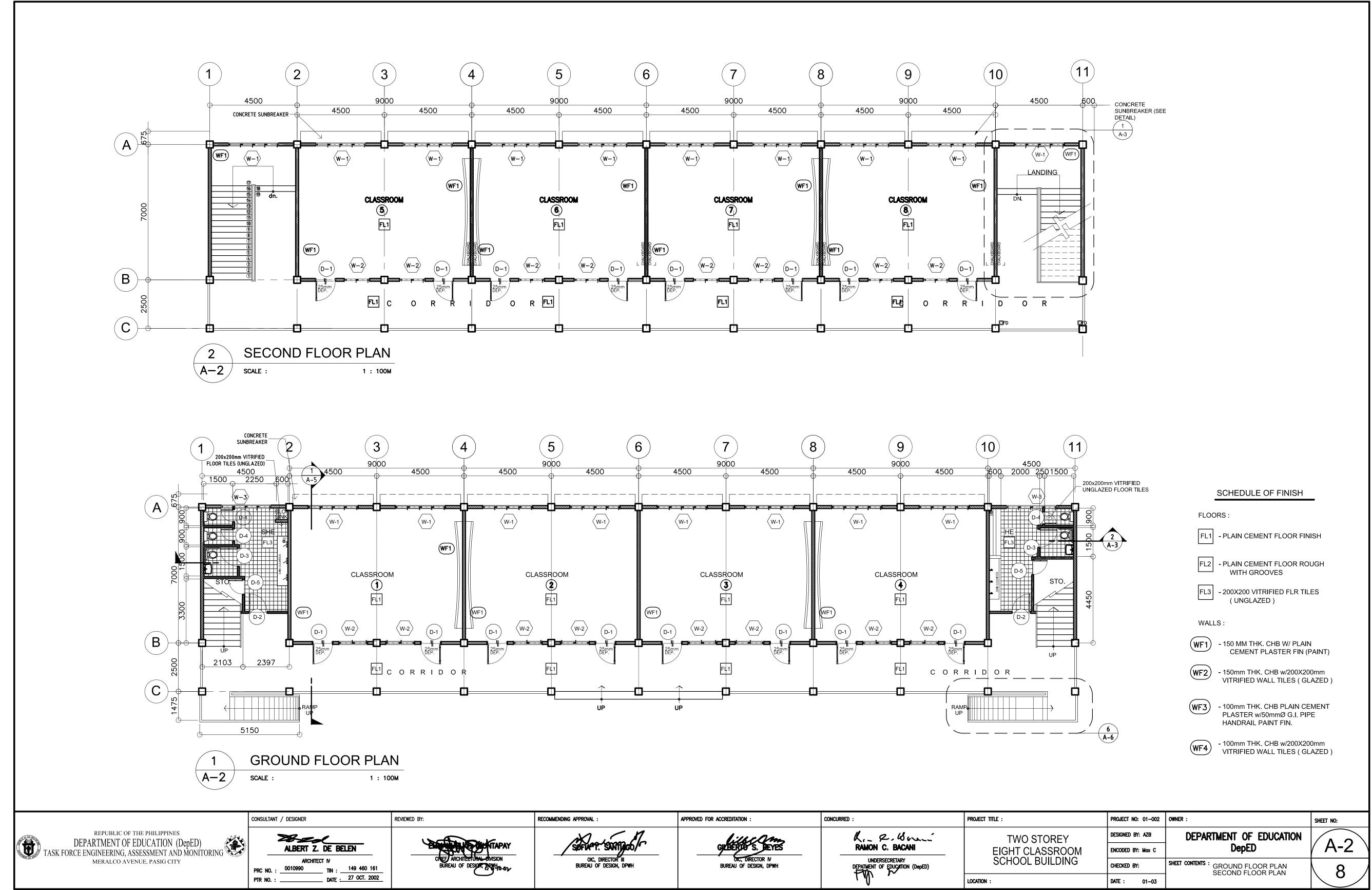
PROJECT TITLE :
TWO STOREY EIGHT CLASSRO SCHOOL BUILDII
LOCATION:

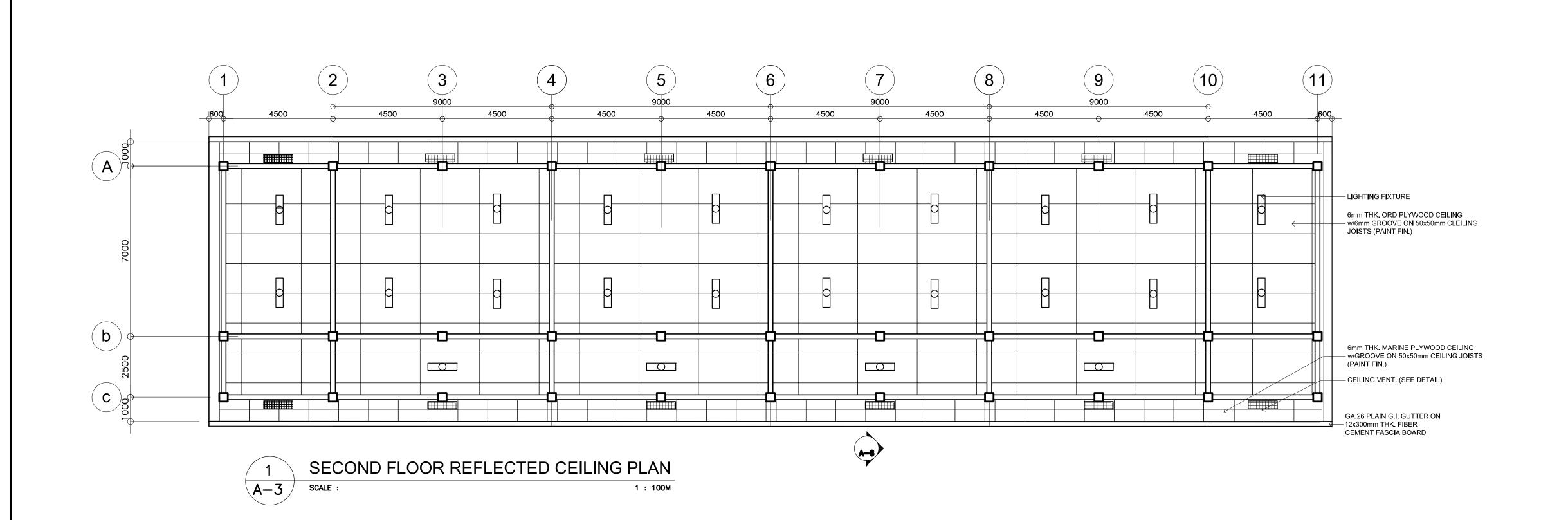
ROJECT TITLE :	
TWO STOREY EIGHT CLASSROOM SCHOOL BUILDING	

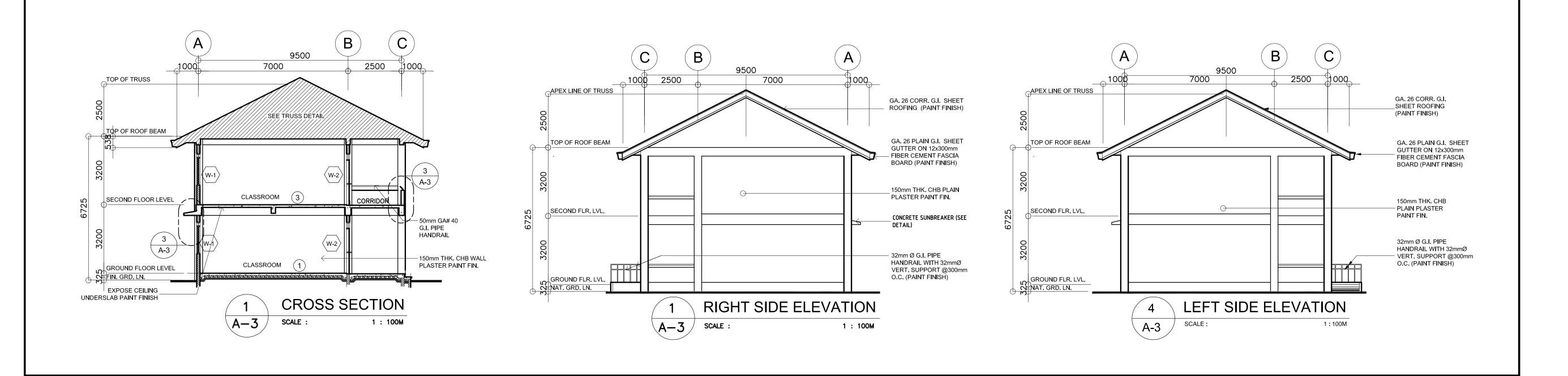
PROJECT NO: 01-002	OWNER:
DESIGNED BY: AZB	D
ENCODED BY: Max C	
CHECKED BY:	SHEET CO
DATE: 01 03	

002	OWNER:
}	DEPARTMENT OF EDUCATION
С	DepED
	SHEET CONTENTS: PERSPECTIVE VIEW TABLE OF CONTENTS
03	TABLE OF CONTENTS

SHEET NO:







APPROVED FOR ACCREDITATION :

OIC, DIRECTOR IV

BUREAU OF DESIGN, DPWH

CONCURRED :

K. 2. Bour

UNDERSECRETARY
DEPAIMENT OF EDUCATION (DepED)

RAMON C. BACANI

REVIEWED BY:

RECOMMENDING APPROVAL:

OIC, DIRECTOR III

BUREAU OF DESIGN, DPWH

CONSULTANT / DESIGNER

ALBERT Z. DE BELEN

PTR NO. : ______ DATE : _____ 27 OCT. 2002

____ TIN : ____149 460 161

REPUBLIC OF THE PHILIPPINES

MERALCO AVENUE, PASIG CITY

DEPARTMENT OF EDUCATION (DepED)
TASK FORCE ENGINEERING, ASSESSMENT AND MONITORING

DEPARTMENT OF EDUCATION

DepED

SHEET CONTENTS: REFLECTED SEING PLAN CROSS SETION RIGHT SIDE ELEVATION

PROJECT NO: 01 002 OWNER:

DESIGNED BY: AZB

ENCODED BY: Max C

DATE: 01 03

CHECKED BY:

PROJECT TITLE :

LOCATION :

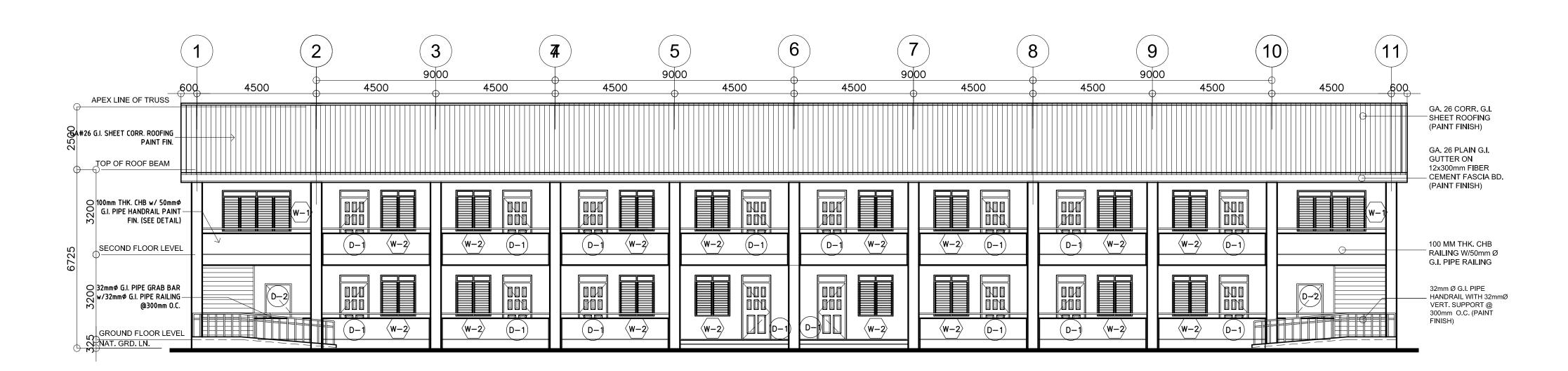
TWO STOREY

EIGHT CLASSROOM

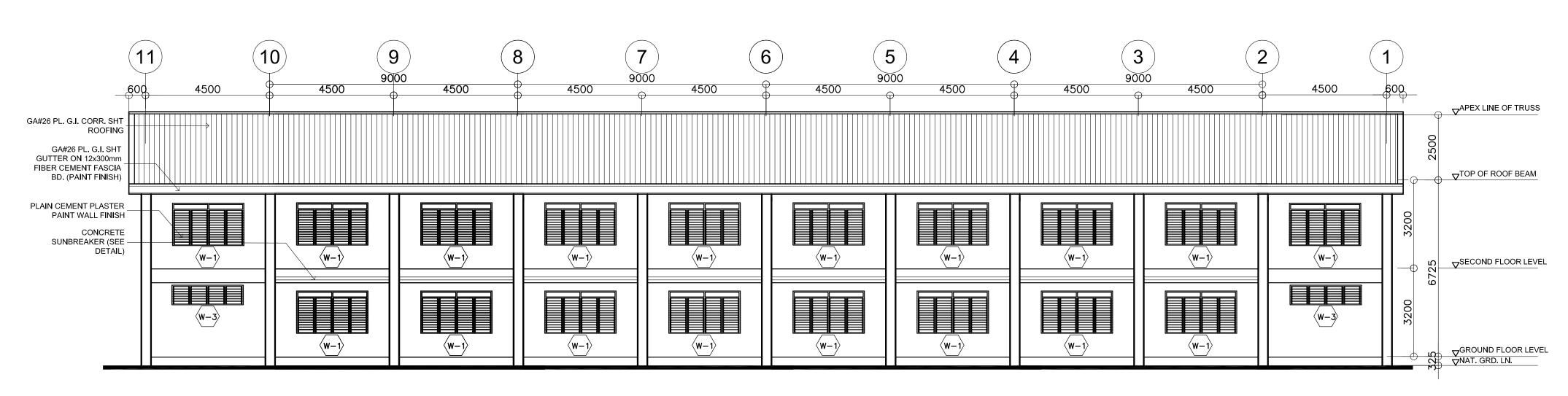
SCHOOL BUILDING

SHEET NO:

A-3

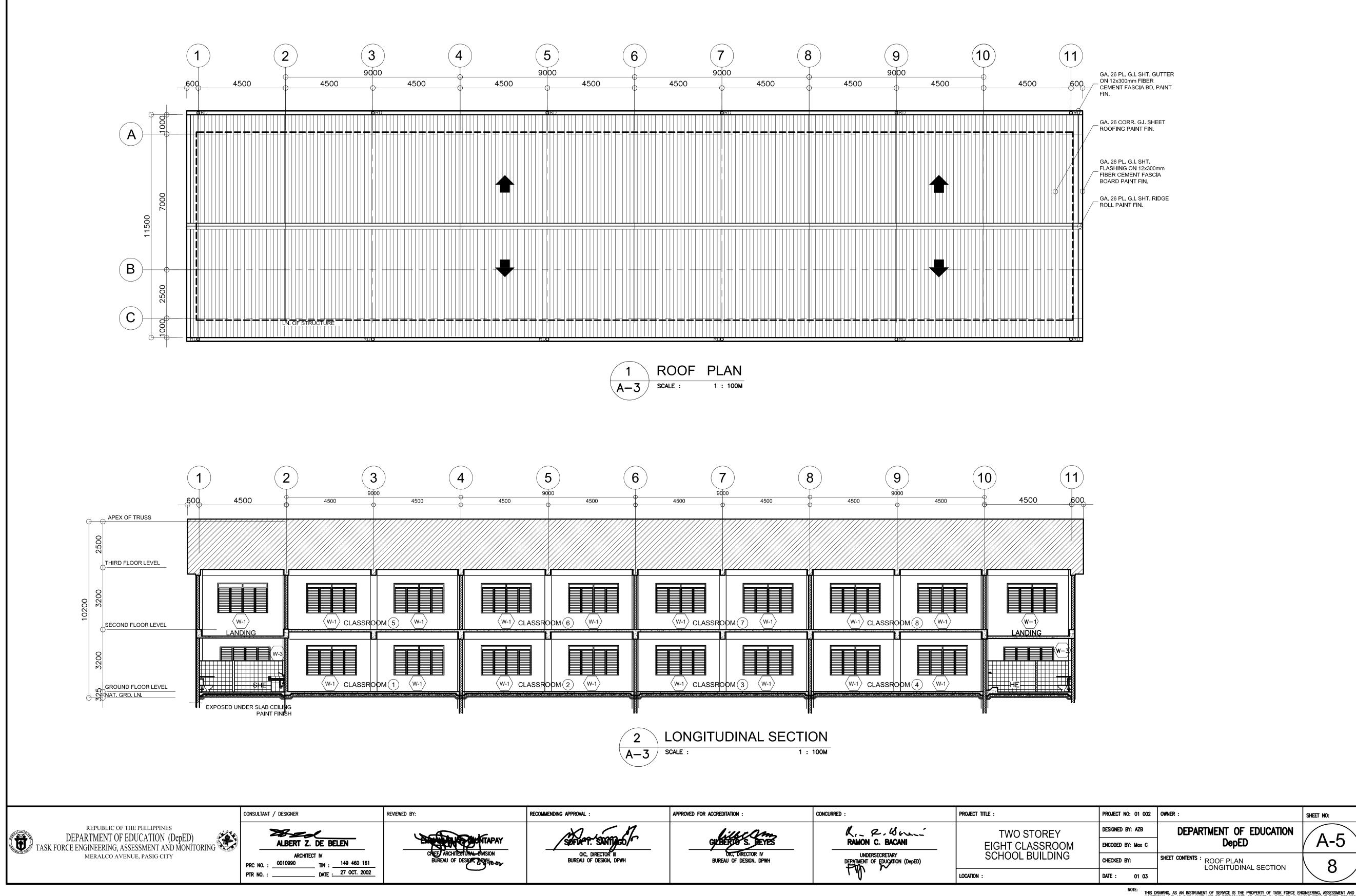


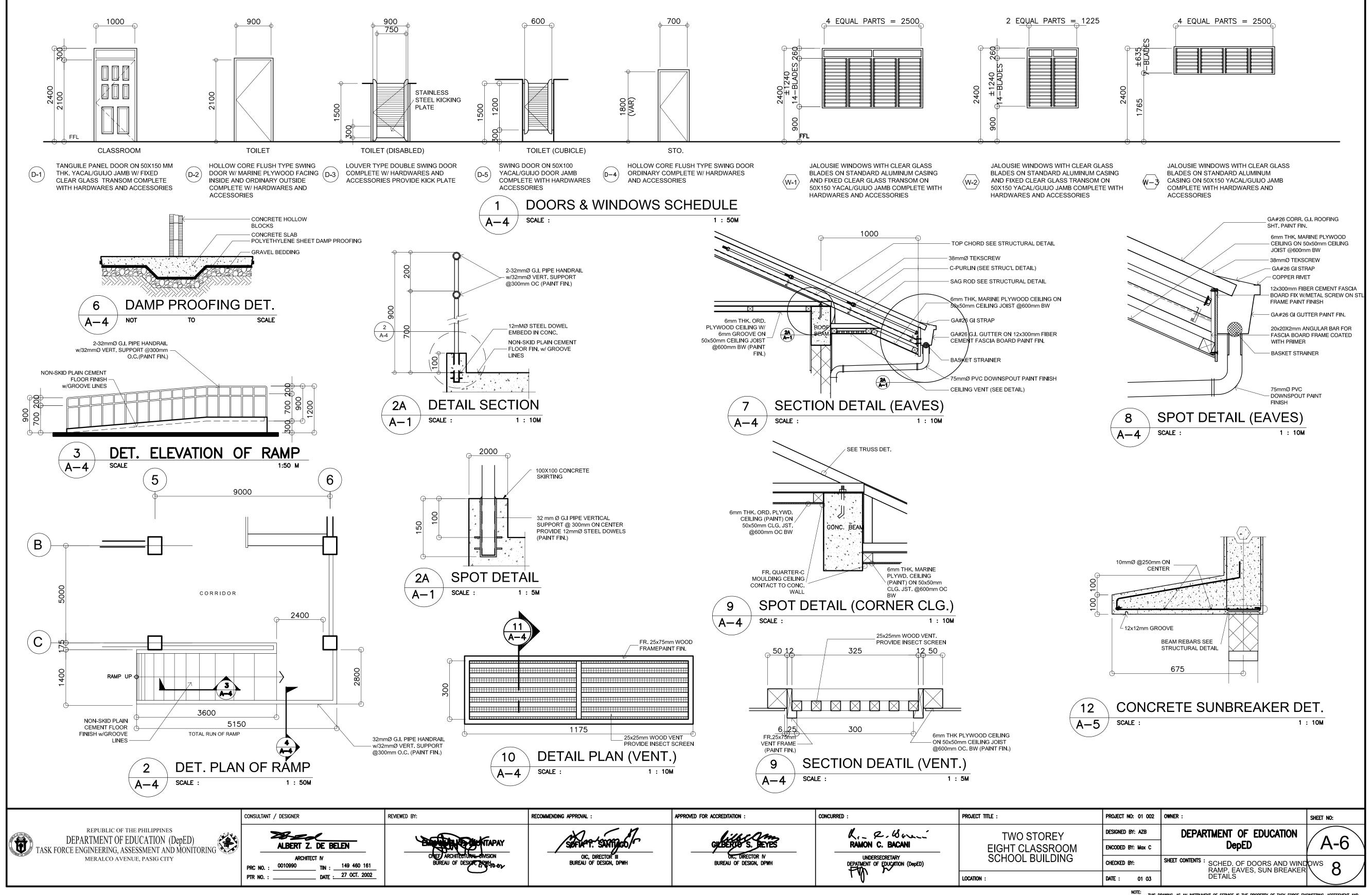


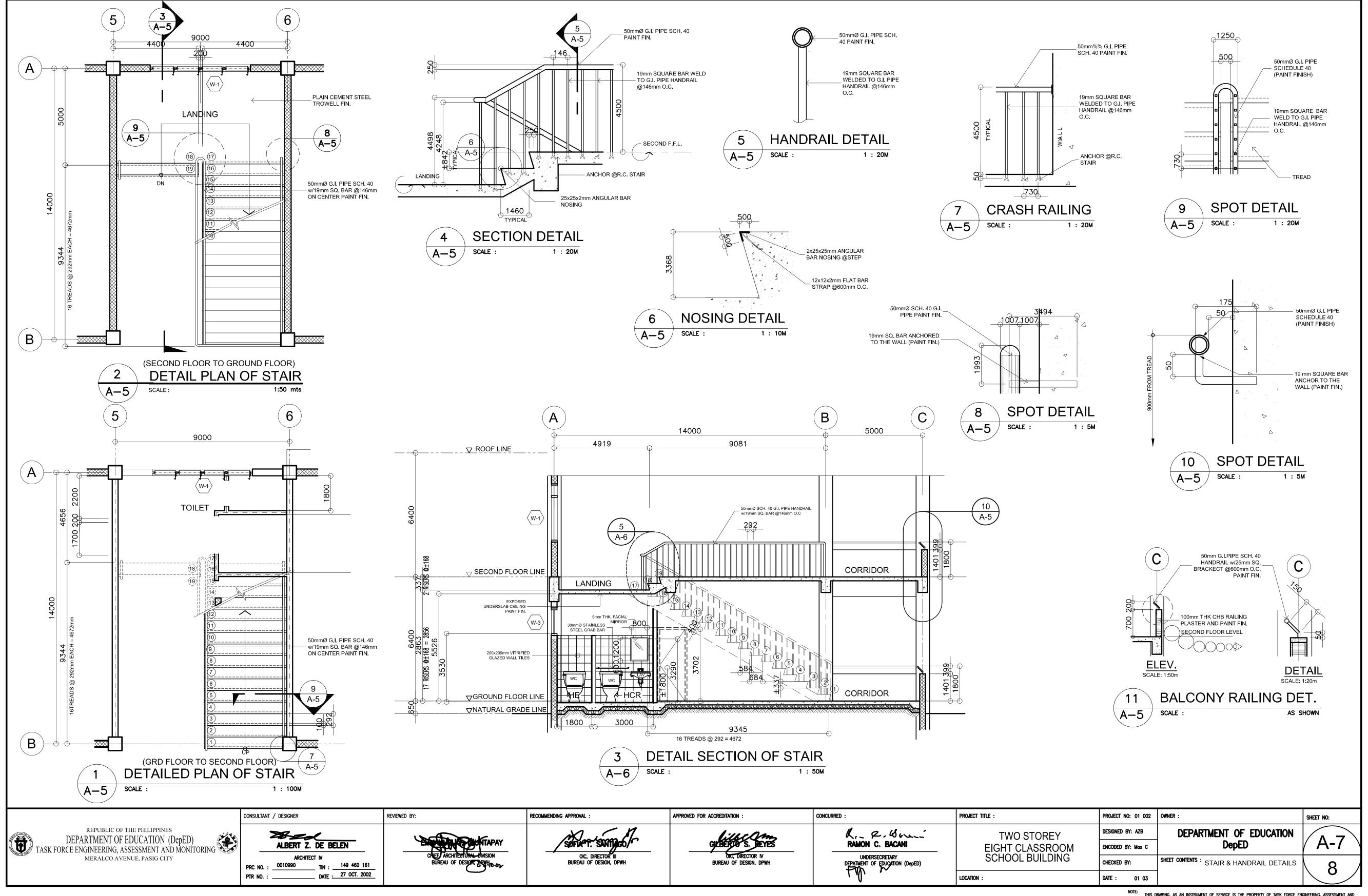


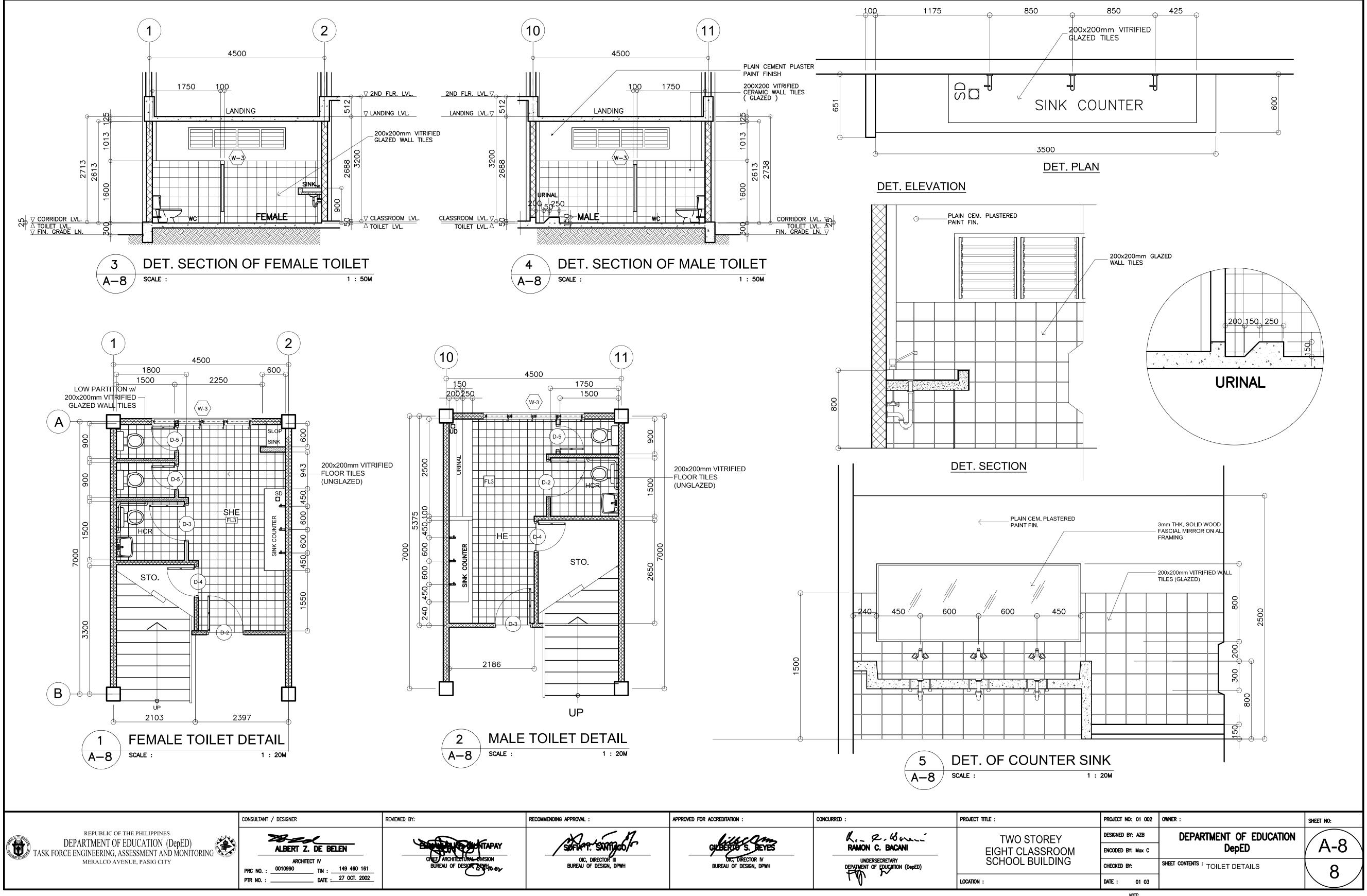


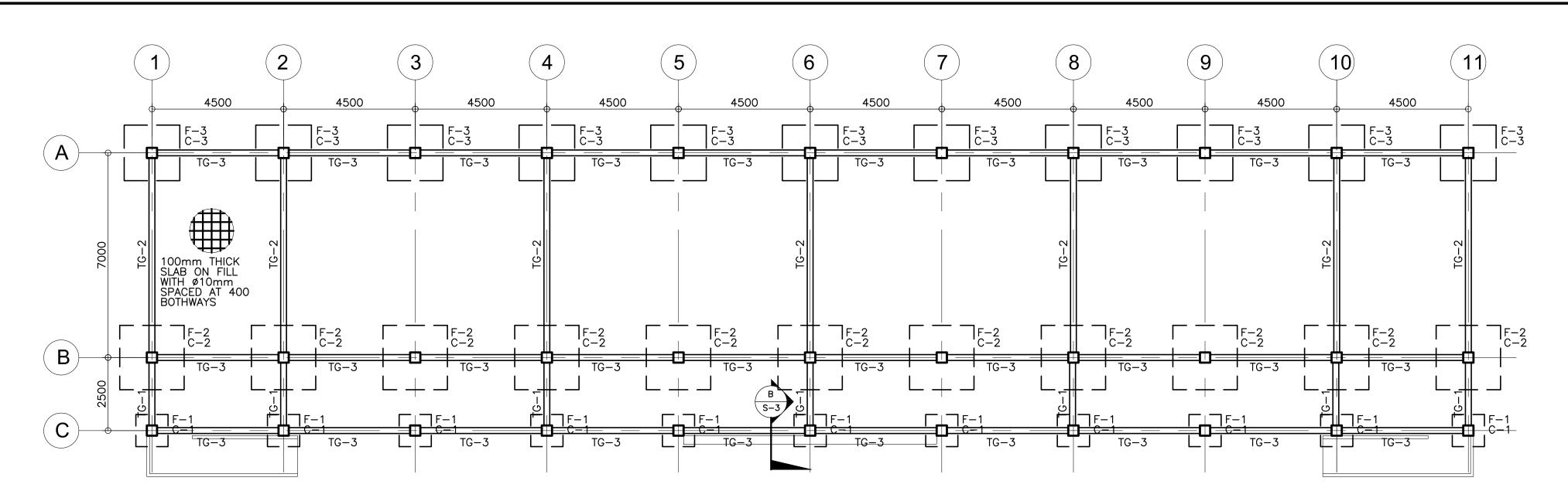
	CONSULTANT / DESIGNER	REVIEWED BY:	RECOMMENDING APPROVAL :	APPROVED FOR ACCREDITATION :	CONCURRED:	PROJECT TITLE :	PROJECT NO: 01 002 OWNER:		SHEET NO:
REPUBLIC OF THE PHILIPPINES DEPARTMENT OF EDUCATION (DepED)	28-20	South Bouktapay	Markon Ma	GILBERIJO S. HEYES	K. 2. Bour	TWO STOREY	DESIGNED BY: AZB DEPARTMEN	T OF EDUCATION	
DEPARTMENT OF EDUCATION (DepED) TASK FORCE ENGINEERING, ASSESSMENT AND MONITORING	ALBERT Z. DE BELEN	CHIEF ARCHITECTURAL SWISION	SØFIAPT: SANTINGO/	GILBERTO S. REYES	RAMON C. BACANI	EIGHT CLASSROOM	ENCODED BY: Max C	DepED	/ A-4
MERALCO AVENUE, PASIG CITY	ARCHITECT IV PRC NO. :	BUREAU OF DESIGN, PONH	OIC, DIRECTOR III BUREAU OF DESIGN, DPWH	BUREAU OF DESIGN, DPWH	UNDERSECRETARY DEPAIMENT OF EDUCATION (DepED)	SCHOOL BUILDING	CHECKED BY: SHEET CONTENTS : FRON REAR	T ELEVATION	l a
	PTR NO. : DATE : 27 OCT. 2002				1.10,	LOCATION :	DATE: 01 03		



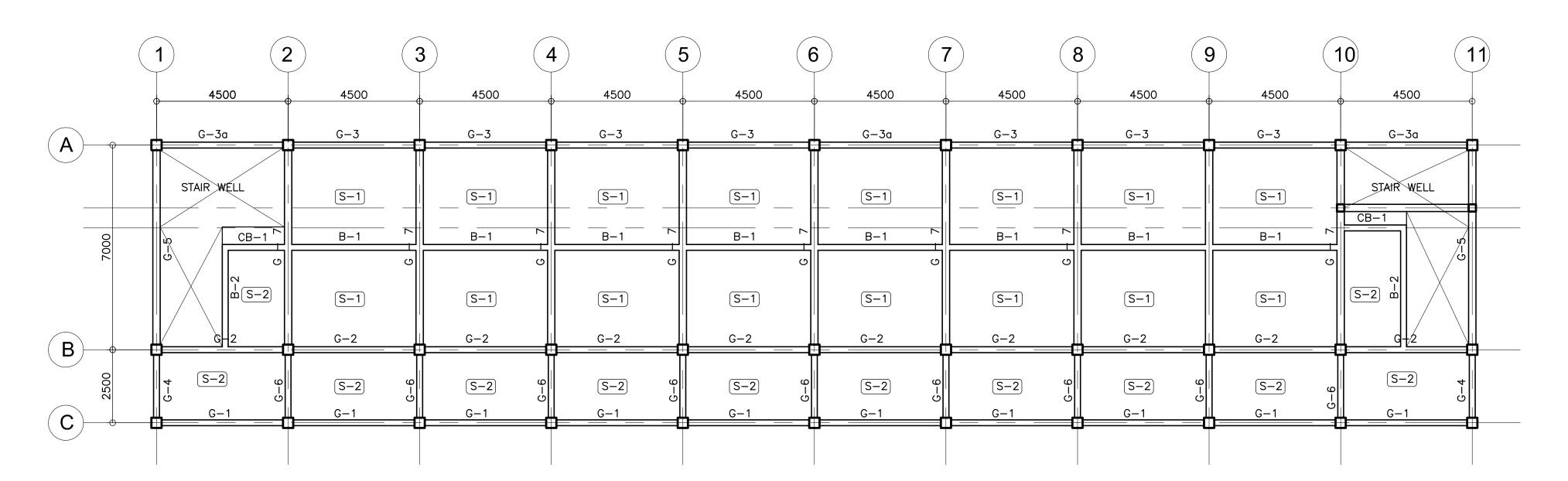




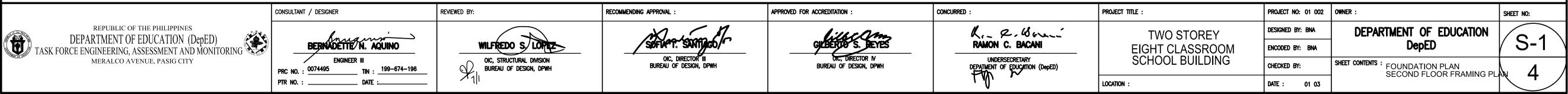


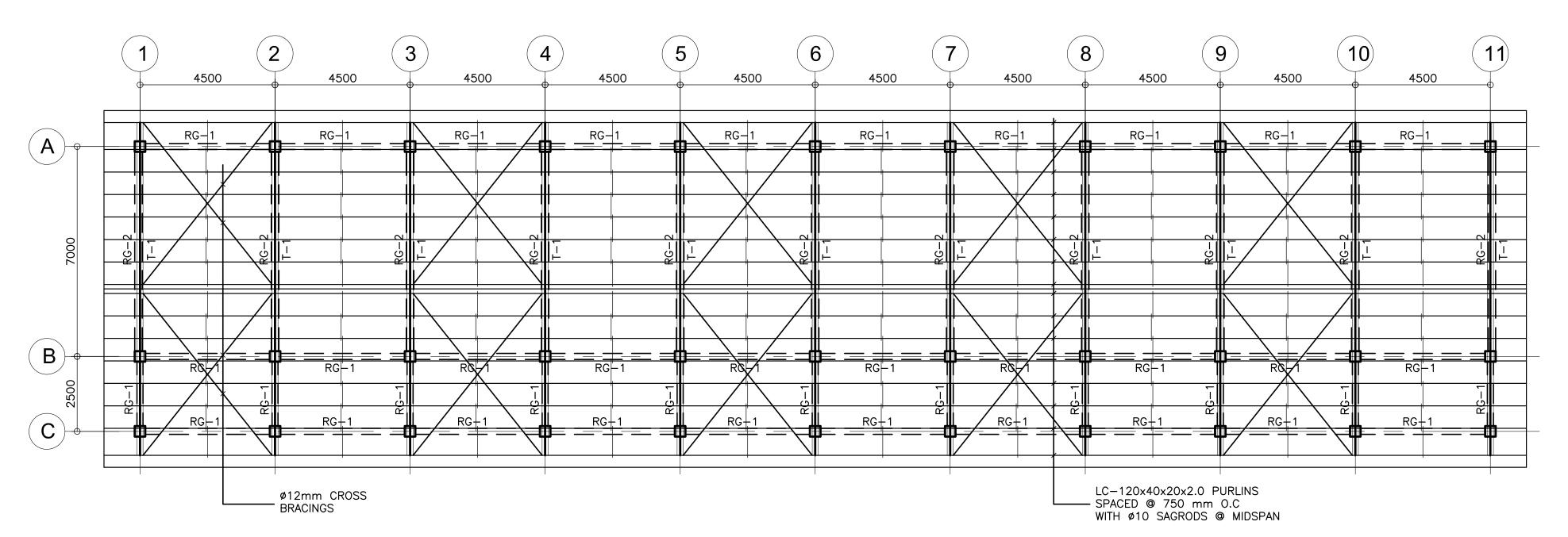


FOUNDATION PLAN S-1/ 1:100 M.

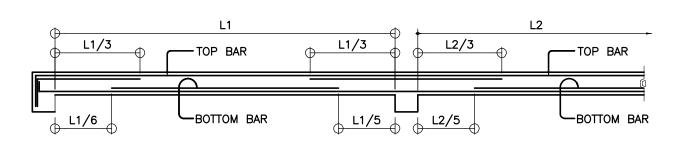


2ND FLOOR FRAMING PLAN S-1 scale :





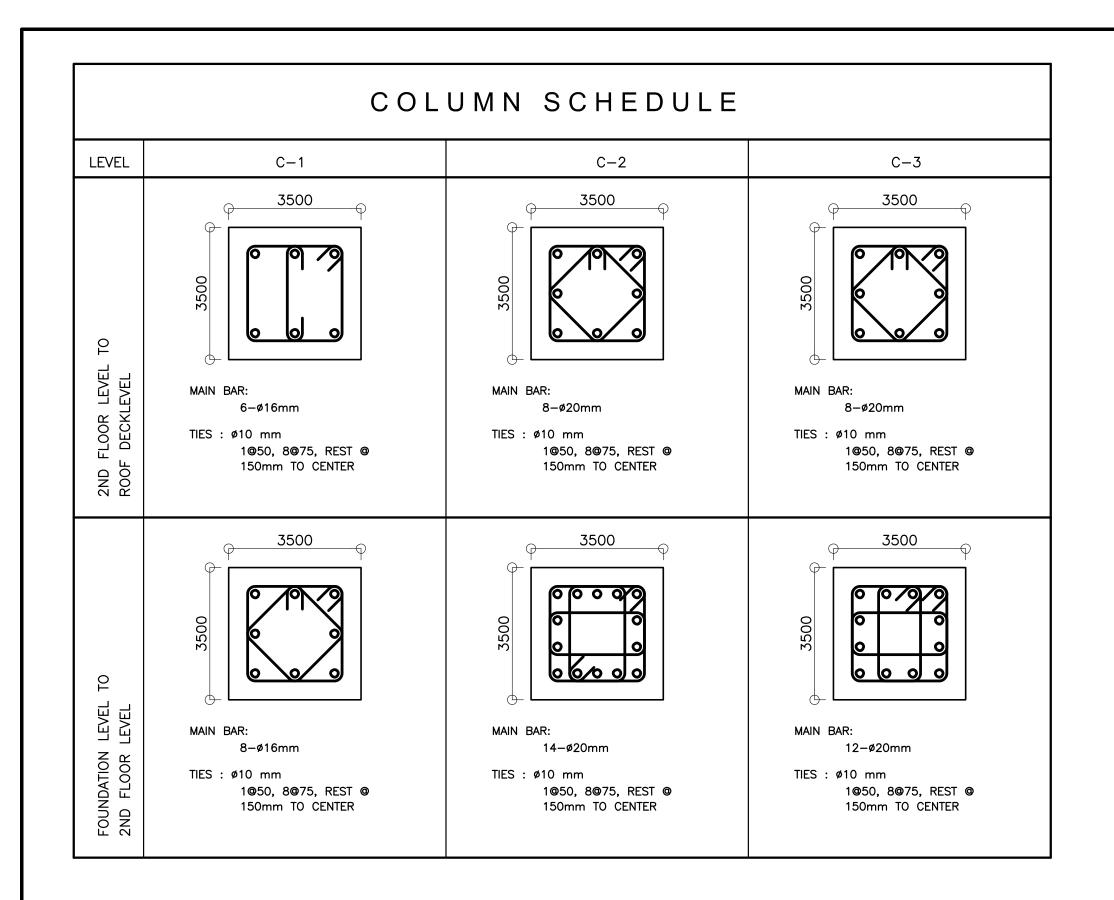


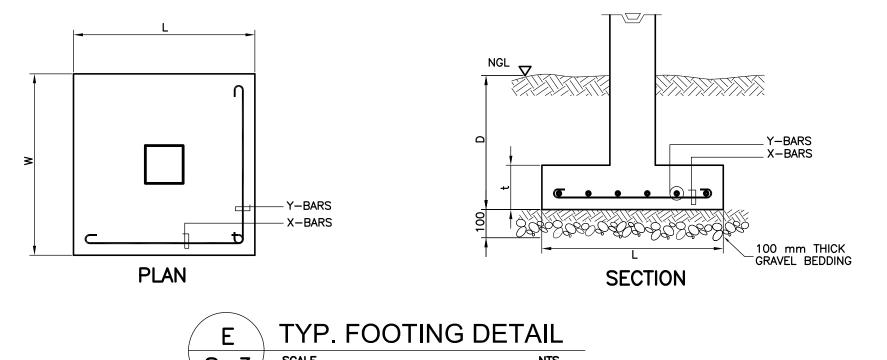




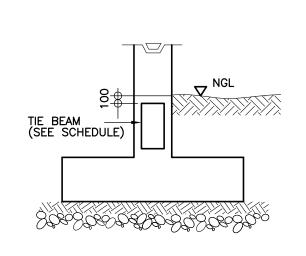
				S	CHE	ΞD	ULI	E C	F S	S L A	BS	,					
			REE	AR SP	ACING A	ALONG mm	SHORT	DIREC	ΠΟΝ	REB	AR SP	ACING A	ALONG mm	LONG	DIRECTI	ON	
FLOOR LEVEL	SLAB MARK	THICK- NESS	REBAR	LEFT S	UPPORT	MIDS	SPAN	RIGHT S	SUPPORT	REBAR	LEFT S	UPPORT	MID	SPAN	RIGHT S	SUPPORT	REMARKS
		in mm	SIZE	ТОР	вотт.	TOP	вотт.	ТОР	вотт.	SIZE	TOP	вотт.	ТОР	вотт.	ТОР	вотт.	
COND	S-1	100	10ø	200	300	_	300	200	300	10ø	250	300	_	300	250	300	TWO-WAY
SEC LE	S-2	100	10ø	300	300	_	300	300	300	10ø	300	300	_	300	300	300	TWO-WAY

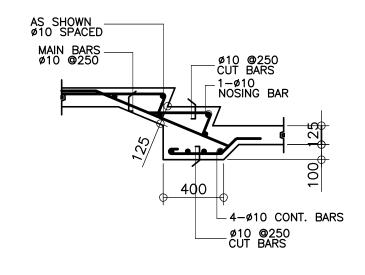
	CONSULTANT / DESIGNER	REVIEWED BY:	RECOMMENDING APPROVAL :	APPROVED FOR ACCREDITATION :	CONCURRED:	PROJECT TITLE :	PROJECT NO: 01 002	OWNER:	SHEET NO:
REPUBLIC OF THE PHILIPPINES DEPARTMENT OF EDUCATION (DepED)	ha a sa sa sa		M M	GILBERTIO S. BEYES	K. 2. 6 mi	TWO STOREY	DESIGNED BY: BNA	DEPARTMENT OF EDUCATION	
DEPARTMENT OF EDUCATION (DepED) TASK FORCE ENGINEERING, ASSESSMENT AND MONITORING	BERNADETTE N. AQUINO	WILFREDO S. LOPEZ	SØFIAPT: SANTINGO/		RAMON C. BACANI	EIGHT CLASSROOM	ENCODED BY: BNA	DepED	/ S-2 \
MERALCO AVENUE, PASIG CITY	ENGINEER III PRC NO. : 0074495 TIN : 199-674-196	OIC, STRUCTURAL DIVISION BUREAU OF DESIGN, DPWH	OIC, DIRECTOR III BUREAU OF DESIGN, DPWH	DIC, DIRECTOR IV BUREAU OF DESIGN, DPWH	UNDERSECRETARY DEPAIMENT OF EDUCATION (DepED)	SCHOOL BUILDING	CHECKED BY:	SHEET CONTENTS: ROOF FRAMING PLAN SCHEDULE OF SLAB	1
	PTR NO. : DATE :	111			LW,	LOCATION :	DATE : 01 03	- SOULDOLE OF SLAD	

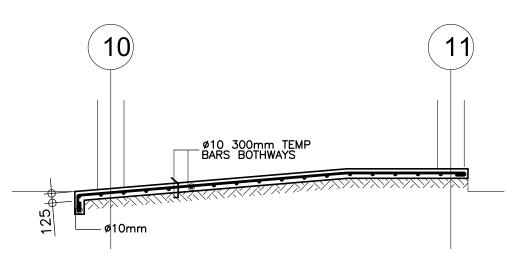




SCHEDULE OF FOOTING										
FOOTING	FOOTI	NG DIMEN	ISIONS	(mm)	REINF	REMARKS				
MARK	LENGTH (L)	WIDTH (W)	DEPTH (D)	Thickness (t)	BAR X	BAR Y				
F-1	1100	1100	1500	250	5 – 16mmø	5 — 16mmø	SQUARE FOOTING			
F-2	2200	2200	1500	300	12 – 16mmø	12- 16mmø	SQUARE FOOTING			
F-3	1900	1900	1500	300	11 – 16mmø	11 – 16mmø	SQUARE FOOTING			



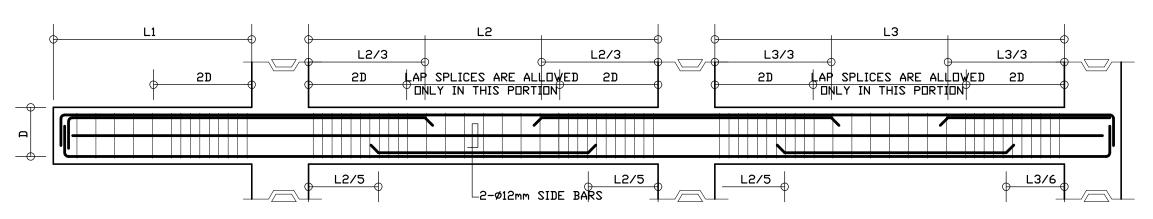




DETAIL OF TIE BEAM Α S-3/ SCALE

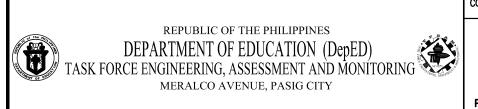
DETAIL OF STAIR ON GRADE S-3 SCALE 1 : 25M



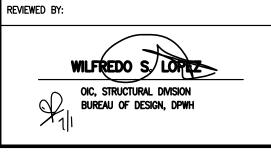


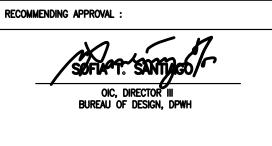
TYPICAL BEAM ELEVATION $\sqrt{S-3}$

		BE	EAM	ST	EEL	REI	NFO	RCE	MEN	T S	
FLOOR LEVEL	BEAM MARK	DIMEN	ISIONS mm)	REBAR	LEFT			SPAN		SHT	STIRRUPS ø10mm
	W W W V V	b	h	(mm ø)	ТОР	воттом	TOP	воттом	TOP	воттом	(UNLESS NOTED OTHERWISE)
	G-1	200	400	ø20mm	2	2	2	2	2	2	1@50, 6@100, REST@200
	G-2	200	400	ø20mm	4	3	2	2	4	3	1@50, 6@100, REST@200
	G-3	200	400	ø20mm	3	2	2	2	3	2	1@50, 6@100, REST@200
	G-3a	200	800	ø20mm	3	2	2	2	3	2	1@50, 8@175, REST@300
	G-4	200	400	ø20mm	3	2	2	2	3	3	1@50, 6@100, REST@200
LEVEL	G-5	250	500	ø20mm	5	3	2	4	5	3	1@50, 8@100, REST@200
I .	G-6	200	400	ø20mm	3	2	2	2	3	3	1@50, 6@100, REST@200
FLOOR	G-7	250	500	ø20mm	5	3	2	6	5	3	1@50, 8@100, REST@200
2ND	B-1	200	400	ø16mm	4	2	2	2	4	2	1@50, 6@100, REST@200
12	B-2	200	400	ø16mm	2	2	2	4	2	2	1@50, 6@100, REST@200
	CB-1	200	400	ø16mm	4	2	4	2	4	2	1@50, 6@100, REST@200
	RG-1	200	400	ø16mm	2	2	2	2	2	2	1@50, 6@100, REST@200
ROOF	RG-2	200	500	ø16mm	3	3	3	3	3	3	1@50, 8@100, REST@200
>	TG-1	300	500	ø20mm	3	2	2	2	4	3	1@50, 8@100, REST@200
TIE BEAM	TG-2	300	500	ø20mm	4	3	2	2	4	3	1@50, 8@100, REST@200
	TG-3	300	500	ø20mm	3	3	2	2	3	3	1@50, 6@100, REST@200
~ =	STB-1	200	400	ø16mm	3	2	2	4	3	2	1@50, 6@100, REST@200
STAIR	STB-2	200	500	ø16mm	4	2	2	4	4	2	1@50, 8@100, REST@200



CONSULTANT / DESIGNER	
BERNADETTE N. AQUIN	-674–196

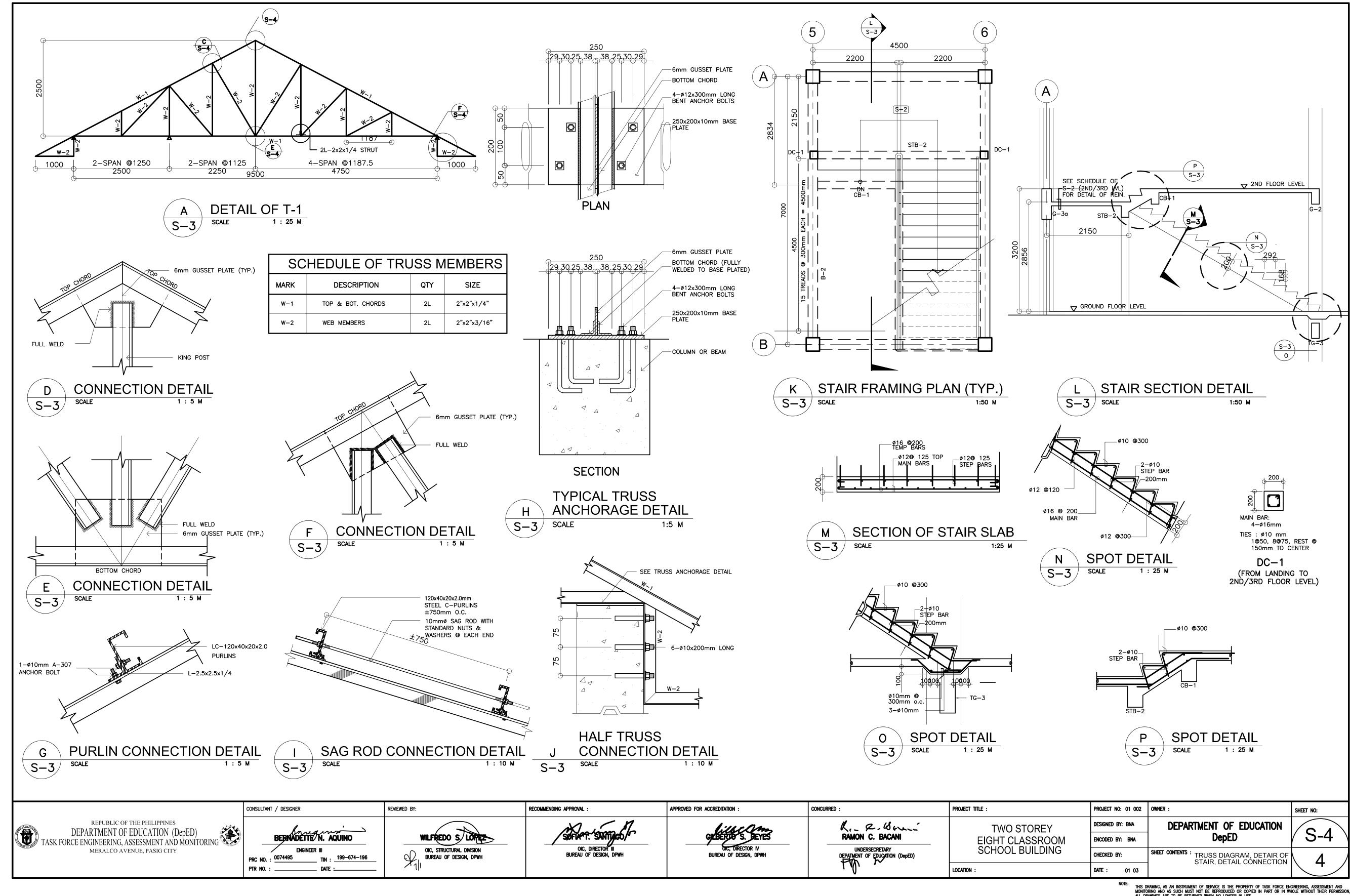






CURRED:	
RAMON C. BACANI	
DEPATMENT OF EDUCATION (DepED)	-

PROJECT TITLE :	PROJECT NO: 01 002	OWNER:	SHEET NO:	
TWO STOREY	DESIGNED BY: BNA	DEPARTMENT OF EDUCATION		
EIGHT CLASSROOM	ENCODED BY: BNA	DepED	S-3	
SCHOOL BUILDING	CHECKED BY:	SHEET CONTENTS: DET. STAIR ON GRADE, RAMP & BEAM DETAIL	1	
LOCATION:	DATE: 01 03	DET. OF FOOTING, TIE BEAM 8 COLUMN	۲	



GENERAL NOTES

- 1. ALL ELECTRICAL WORKS SHALL COMPLY IN ACCORDANCE WITH THESE PLANS 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 DONE UNDER THE 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. LIGHT SWITCH

- a. FEEDERS AND RISERS INTERMEDIATE METALLIC CONDUIT
- b. LIGHTING, POWER RECEPTACLE POLYVINYL CHLORIDE CONDUIT SCH. 40 BRANCH CKT., & AUXILIARY
- 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. I
- 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.

1.20 M ABOVE FINISH FLOOR

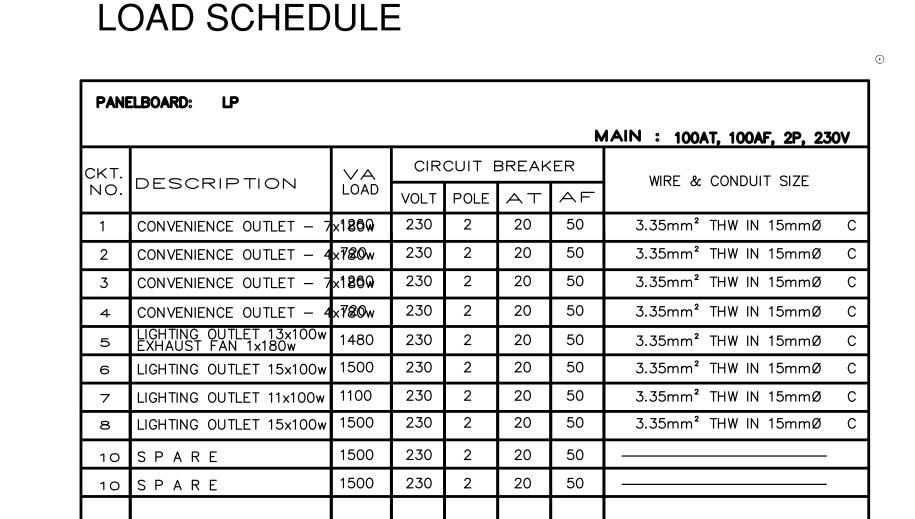
- 7. GROUNDING SYSTEM SHALL BE PROVIDED TO ALL LIGHTING AND POWER CIRCUIT AS PER PHILIPPINE ELECTRICAL CODE REQUIREMENT.
- 8. MOUNTING HEIGHT OF WIRING DEVICES SHALL BE AS FOLLOWS:

b. CONVENIENCE OUTLET 0.30 M ABOVE FINISH FLOOR. c. PANELBOARD 1.50 M ABOVE FINISH FLOOR d. FIRE ALARM STATION OUTLET - 1.50 M. ABOVE FINISH FLOOR e. PUSH BUTTON OUTLET 1.20 M ABOVE FINISH FLOOR

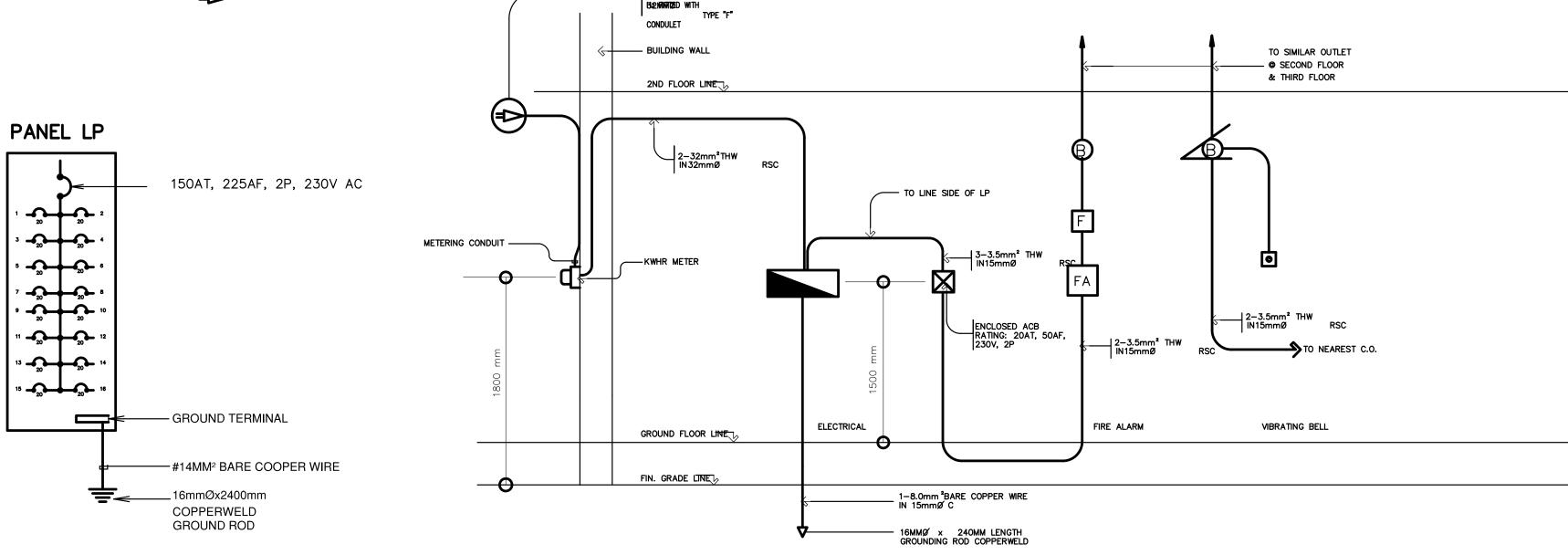
f. FIRE ALARM & VIBRATING BELL - 0.30 M BELOW CEILING LINE

LEGEND

SYMBOL DESCRIPTION - CEILING LIGHT OUTLET 0 2 x 40 WATTS FLUORESCENT LAMP CEILING FAN OUTLET - ONE GANG DEVICE SWITCH - TWO GANG DEVICE SWITCH - THREE GANG DEVICE SWITCH Scde - THREE WAY DEVICE SWITCH - FAN CONTROL SWITCH - EXHAUST FAN SWITCH RACEWAY CONDUIT CONCEALED IN CEILING RACEWAY CONDUIT CONCEALED UNDER FLOOR PANELBOARD CKT. BREAKER, RATING AS INDICATED - DUPLEX CONVENIENCE OUTLET, GROUNDING TYPE 10 AMPS, 250 VOLT WITH MODERN PLATE COVER - EXHAUST FAN OUTLET, SINGLE, GROUNDING TYPE 10 AMPS, 250 VOLT WITH MODERN PLATE COVER - HOMERUN DIRECT TO PANELBOARD - PUSH BUTTON - ENCLOSED AIR CIRCUIT BREAKER FIRE ALARM CONTROL PANEL - FIRE ALARM STATION OUTLET VIBRATING BELL OUTLET FIRE ALARM BELL SERVICE METER SERVICE ENTRANCE CONDULET



14680 TOTAL FEEDER: 2-30mm² THW IN 32mmØ C IL @ 80% D.**F**2540 54.580% x 1.25 = 230 V PROTECTIONOO AT, 100 AF, 2P, 230 V

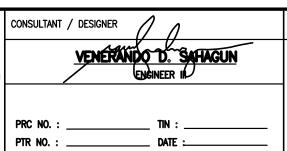


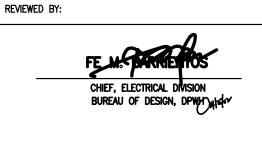
SINGLE LINE DIAGRAM

RISER DIAGRAM

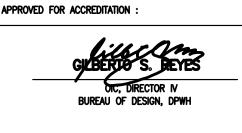
CONCURRED :

	со
REPUBLIC OF THE PHILIPPINES DEPARTMENT OF EDUCATION (DepED)	
TASK FORCE ENGINEERING, ASSESSMENT AND MONITORING MERALCO AVENUE, PASIG CITY	
	P





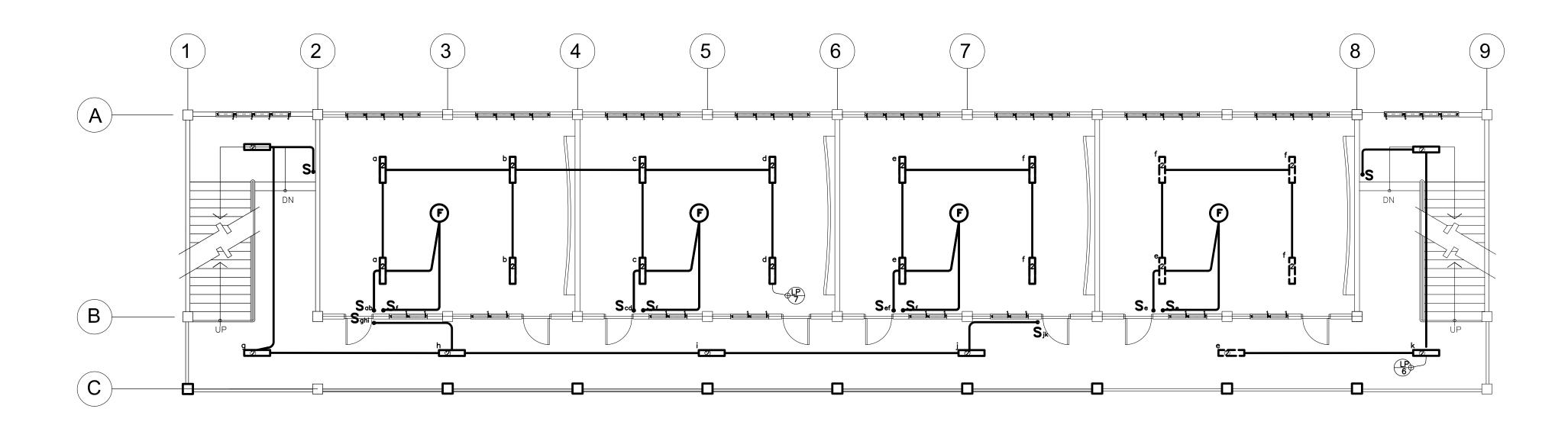




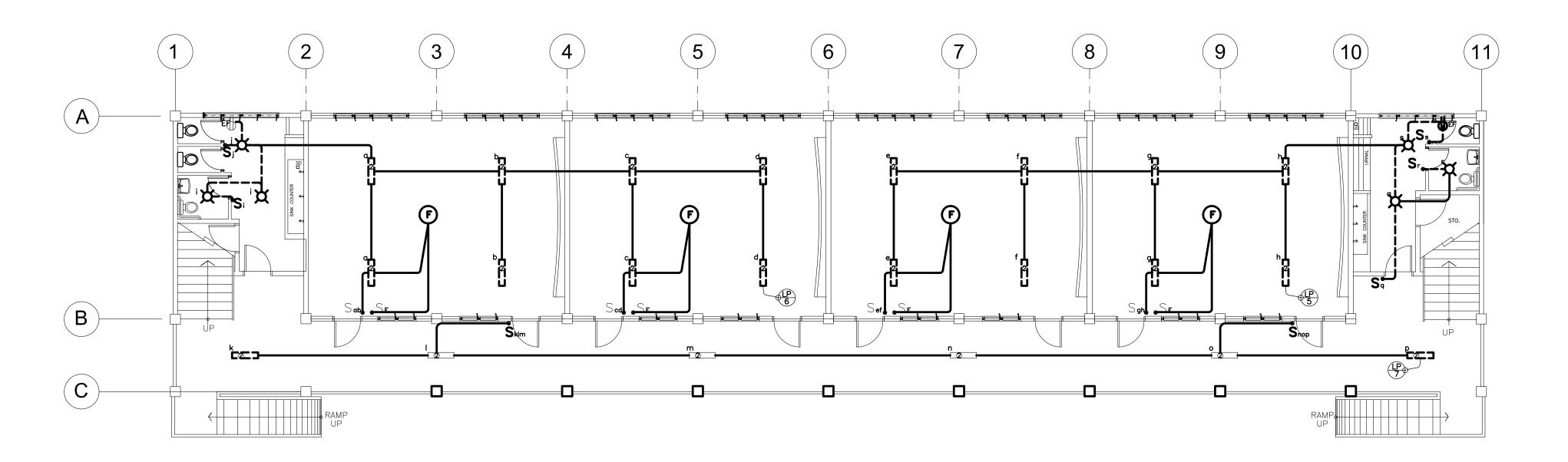
RAMON C. BACANI
UNDERSECRETARY DEPARTMENT OF EDUCATION (DepED)

PROJECT TITLE :
TWO STOREY EIGHT CLASSROOM SCHOOL BUILDING
LOCATION:

	PROJECT NO: 01-002	OWNER:
ΞΥ	DESIGNED BY: RDS	DEPARTMENT OF EDUCA
ROOM	ENCODED BY: RDS	DepED
DING	CHECKED BY:	SHEET CONTENTS: GENERAL NOTES, LEG LOAD, SINGLE LINE D
	DATE: 6-23-03	RISER DIAGRAM

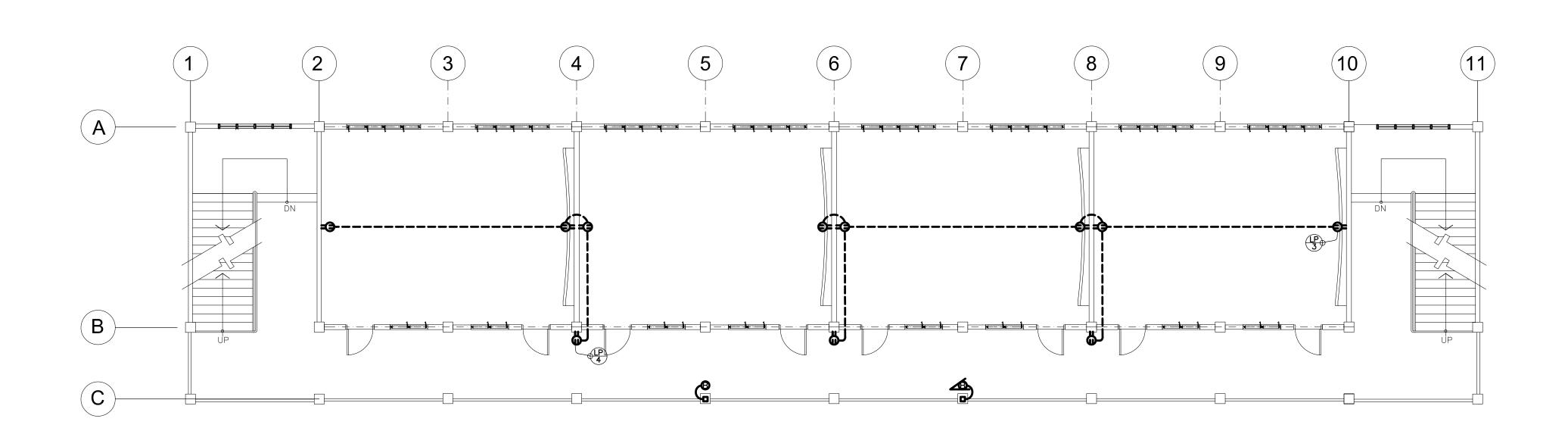


SECOND FLOOR LIGHTING LAYOUT SCALE: 1: 100 METERS



GROUND FLOOR LIGHTING LAYOUT SCALE: 1: 100 METERS

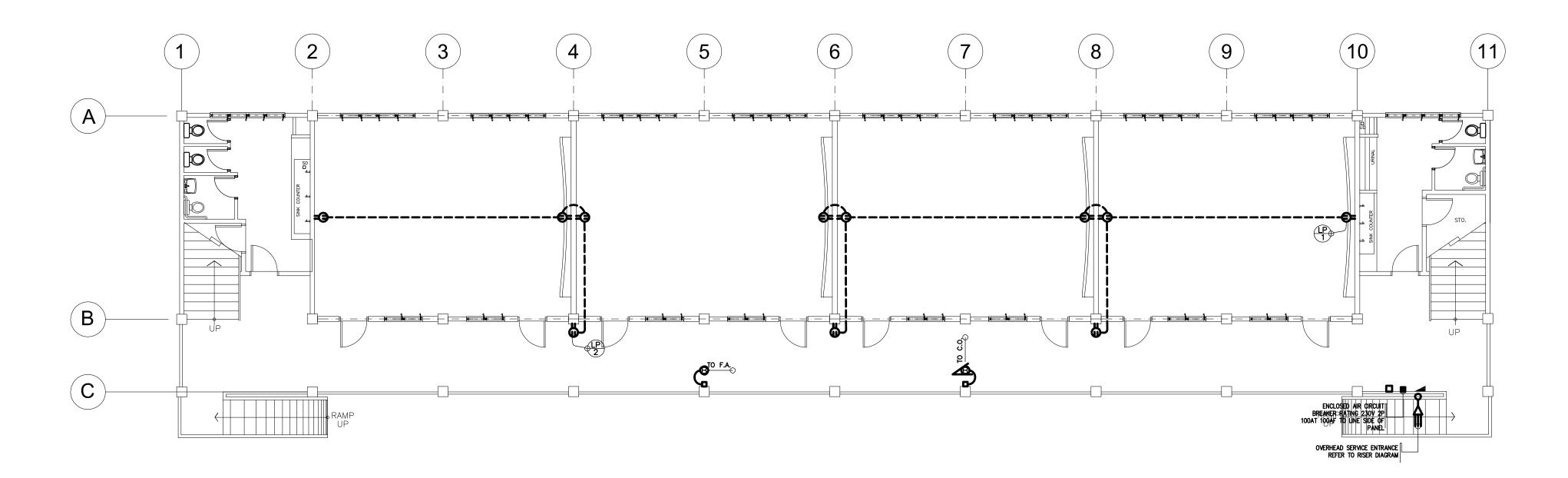
	CONSULTANT / DESIGNER	REVIEWED BY:	RECOMMENDING APPROVAL:	APPROVED FOR ACCREDITATION :	CONCURRED:	PROJECT TITLE :	PROJECT NO.010-100202	OWNER:	SHEET NO:
REPUBLIC OF THE PHILIPPINES DEPARTMENT OF EDUCATION (DepED)	VENERÁNDO D. SAHAGUN	and	Marin 17	GILBERTIO S. DELYES	K. 2. 6 mi	TWO STOREY	DESIGNED BYRDRDS	DEPARTMENT OF EDUCATION	
TASK FORCE ENGINEERING, ASSESSMENT AND MONITORING	ENGINEER IN	FE M. GARRIENTOS	SØFWAT: SANTIAGO/		RAMON C. BACANI	EIGHT CLASSROOM	ENCODED BYRDSRDS	DepED	/ E-2 \
MERALCO AVENUE, PASIG CITY	PRC NO. : TIN :	CHIEF, ELECTRICAL DIVISION BUREAU OF DESIGN, DPWH 1440	OIC, DIRECTOR III BUREAU OF DESIGN, DPWH	BUREAU OF DESIGN, DPWH	UNDERSECRETARY DEPAIMENT OF EDUCATION (DepED)	SCHOOL BUILDING	CHECKED BY:	SHEET CONTENTS : LIGHTING LAYOUT	3
	PTR NO. : DATE :				[\ \(\lambda \)	LOCATION :	DATE : 6-623230303	LIGITINO LATOUT	



SECOND FLOOR POWER LAYOUT

SCALE

1 : 100 METERS

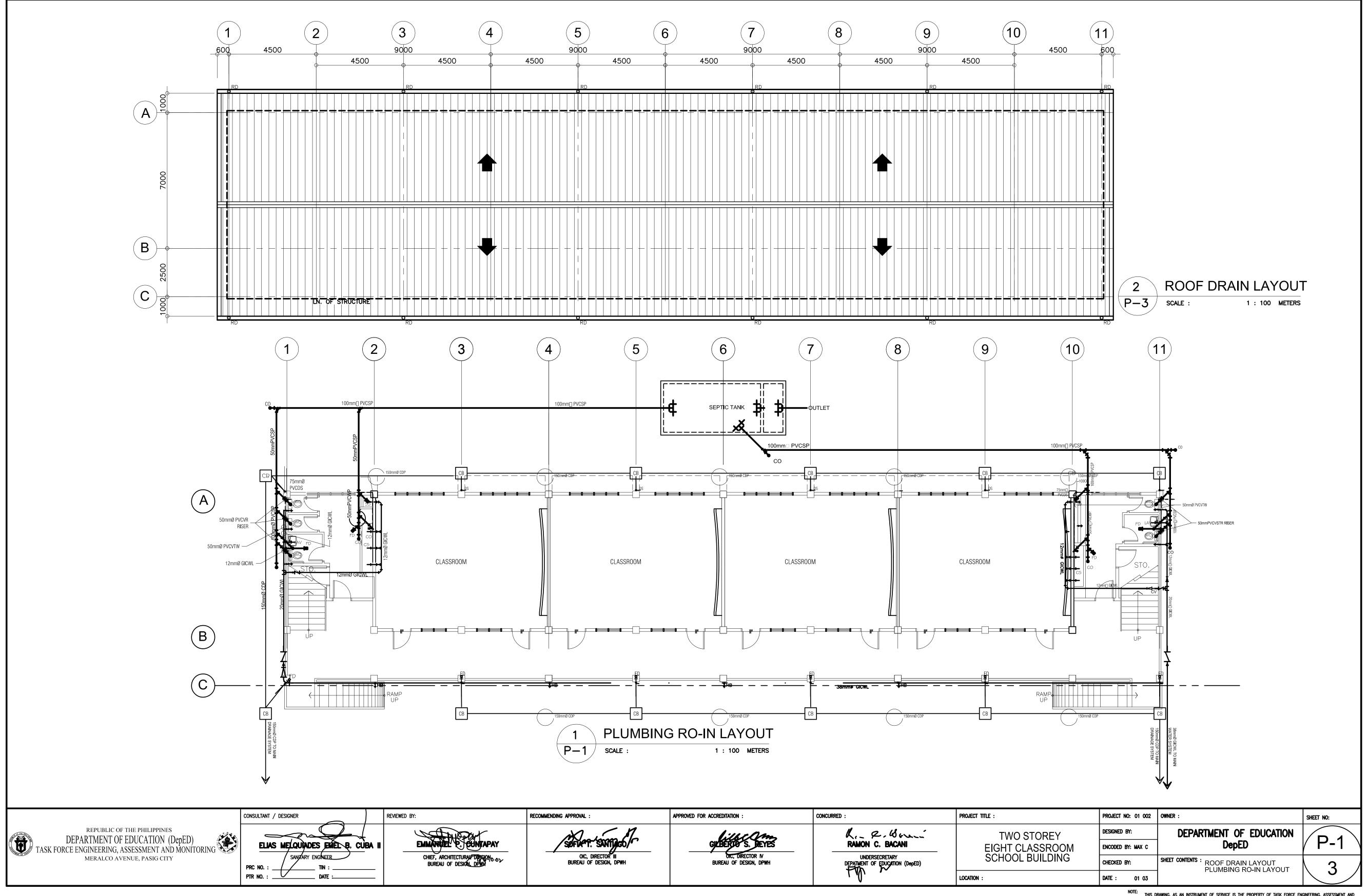


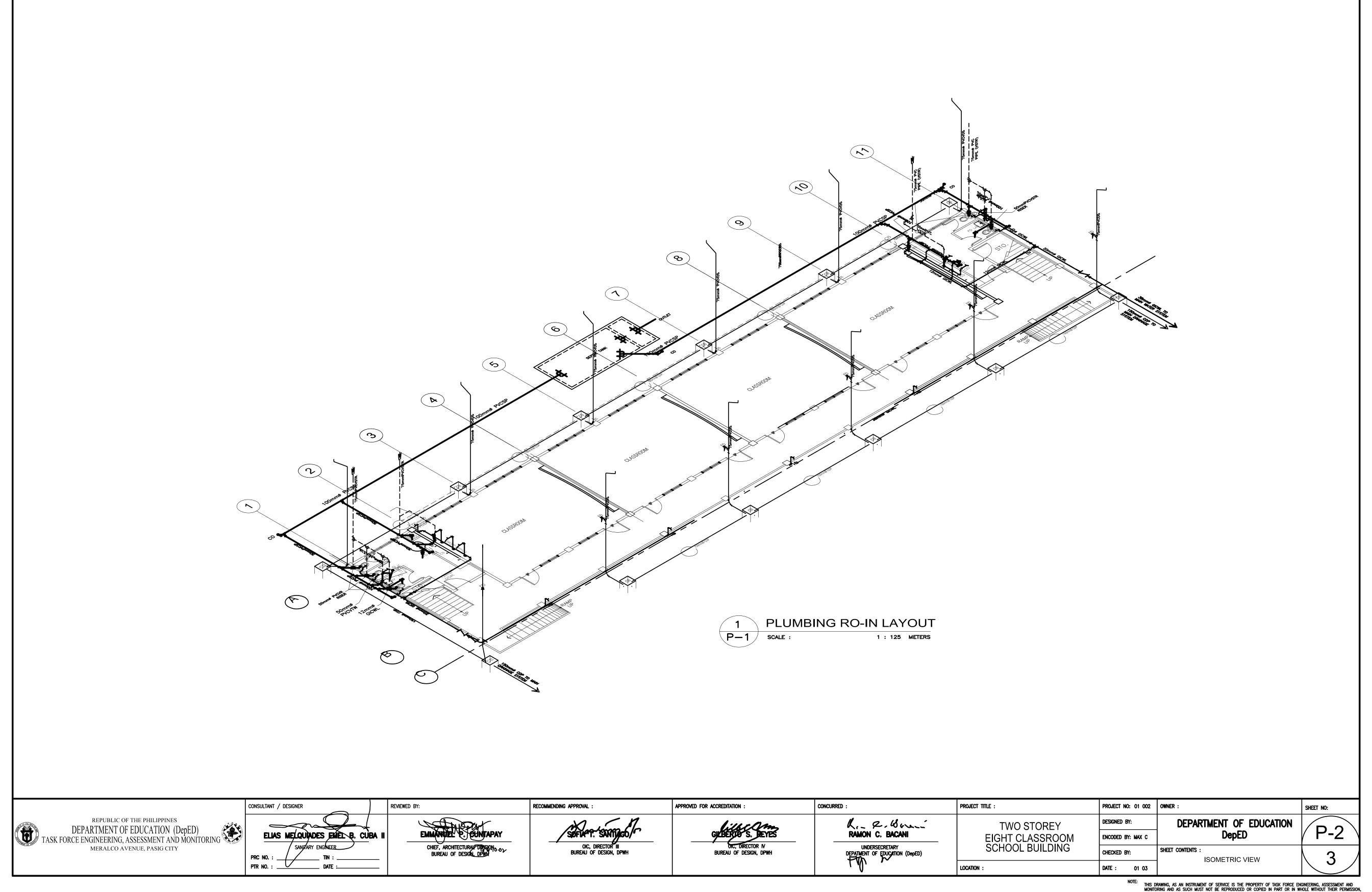
GROUND FLOOR POWER LAYOUT

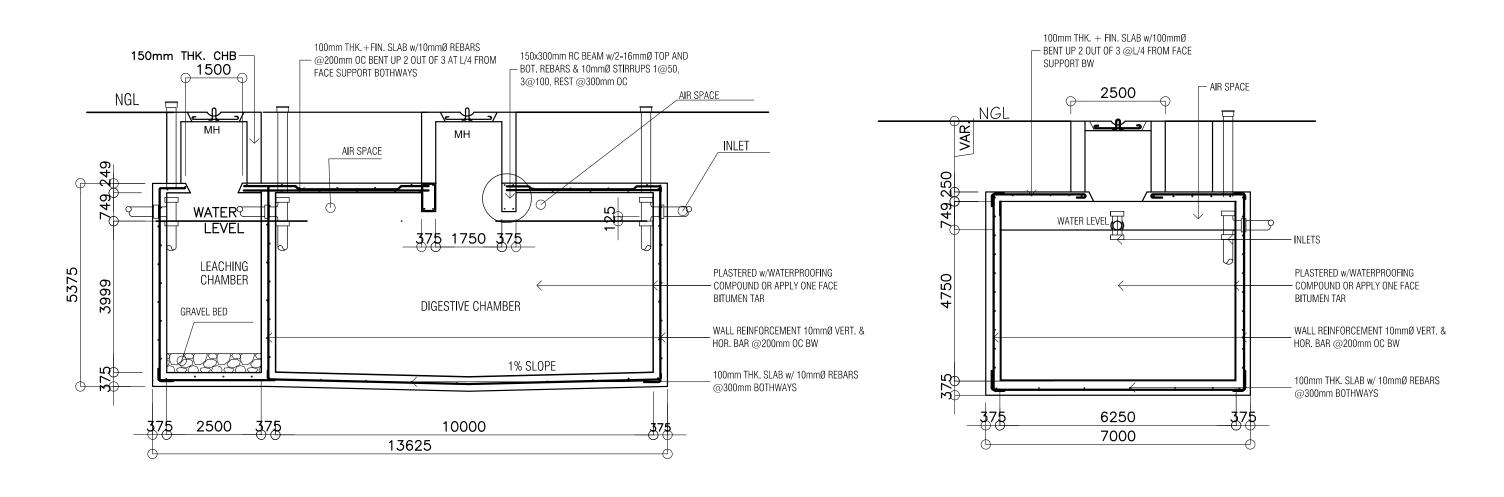
SCALE :

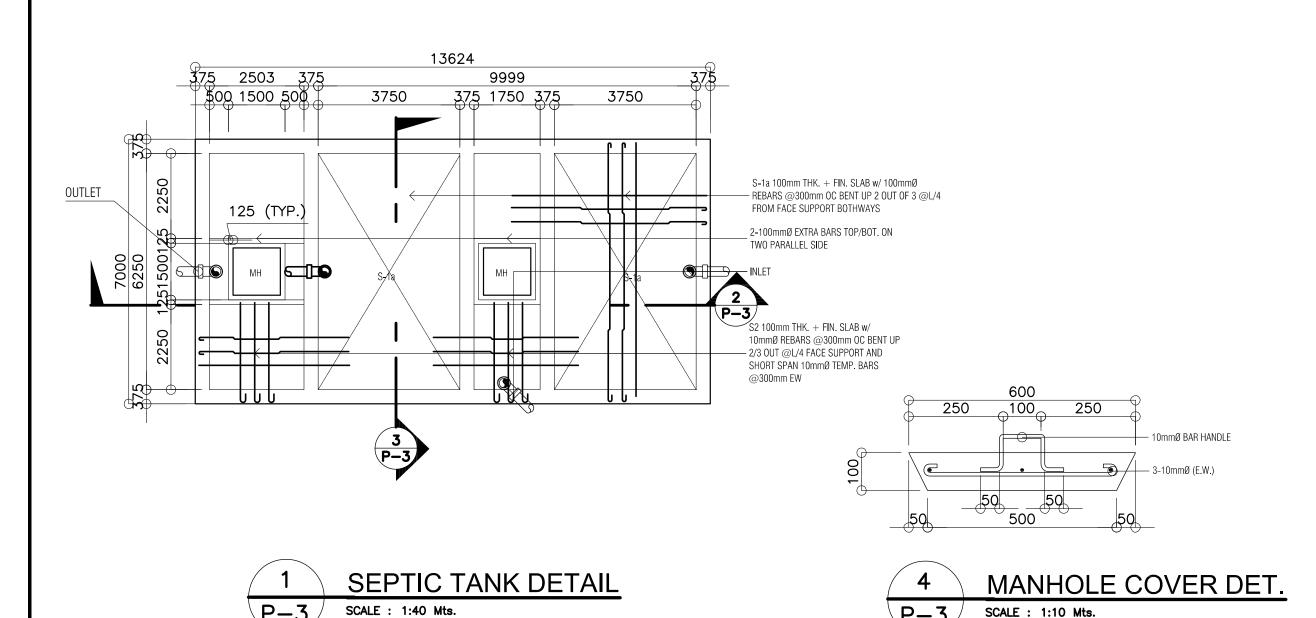
1 : 100 METERS

CONCURRED : PROJECT TITLE : REVIEWED BY: RECOMMENDING APPROVAL: APPROVED FOR ACCREDITATION : PROJECT NO.010-100202 OWNER: SHEET NO: REPUBLIC OF THE PHILIPPINES K. 2. Bour DEPARTMENT OF EDUCATION Designed Byrdbds TWO STOREY DEPARTMENT OF EDUCATION (DepED)
TASK FORCE ENGINEERING, ASSESSMENT AND MONITORING **E**=3 RAMON C. BACANI DepED EIGHT CLASSROOM SCHOOL BUILDING UNDERSECRETARY
DEPARTMENT OF EDUCATION (DepED) ENCODED BYRDSRDS OIC, DIRECTOR III BUREAU OF DESIGN, DPWH CHIEF, ELECTRICAL DIVISION MERALCO AVENUE, PASIG CITY SHEET CONTENTS: BUREAU OF DESIGN, DPW/144 CHECKED BY: BUREAU OF DESIGN, DPWH POWER LAYOUT PTR NO. : ______ DATE :____ LOCATION : DATE : 6-62-32-30-303





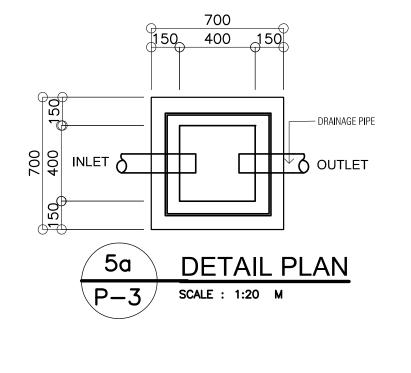




REPUBLIC OF THE PHILIPPINES

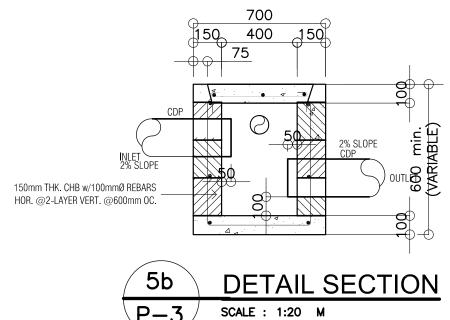
DEPARTMENT OF EDUCATION (DepED)

MERALCO AVENUE, PASIG CITY



SECTION DETAIL

SCALE: 1:40 Mts.





LEGEND:

- CB CATCH BASIN
- CDP CONCRETE DRAIN PIPE
- CO CLEAN OUT
- CV CHECK VALVE
- HB HOSE BIBB
- FD FLOOR DRAIN
- GICWL GALVANIZED IRON COLD WATER LINE (SCH. 40)
- GICWR GALVANIZED IRON COLD WATER RISER (SCH. 40)
- GV GATE VALVE
- MH MANHOLE
- PVCDS POLYVINYL CHLORIDE DOWNSPOUT
- PVCDP POLYVINYL CHLORIDE DRAIN PIPE
- PVCDS POLYVINYL CHLORIDE DOWNSPOUT
- PVCSP POLYVINYL CHLORIDE SOIL PIPE
- PVCVAC POLYVINYL CHLORIDE VENT. ACROSS CEILING
- PVCVP POLYVINYL CHLORIDE VENT. PIPE PVCVS POLYVINYL CHLORIDE VENT STACK
- PVCVTR/W POLYVINYL CHLORIDE VENT TROUGH ROOF/WALL
- PVCWP POLYVINYL CHLORIDE WASTE PIPE
- PVCWS POLYVINYL CHLORIDE WASTE STACK
- RD ROOF DRAIN
- UD URINAL DRAIN
- WC WATER CLOSET
- LAV LAVATORY
- CS COUNTER SINK

PLUMBING NOTES:

- 1. GRADES OF HORIZONTAL PIPINGS RUN ALL HORIZONTAL PIPINGS IN PERPECT ALIGNMENT AND AT A FORM GRADE NOT LESS THAN TWO PERCENT (2%)
- 2. CHANGE IN DIRECTION ALL CHANGE IN DIRECTION SHALL BE MADE BY APPROPRIATE USE OF FORTY-FIVE DEGREES (45°) WYES, LONG SWEEP QUARTER BEND, SIXTH-EIIGHT OR SIXTEENTH BEND. WHEN THE CHANGE OF FLOW IS FROM HORIZONTAL TO VERTICAL A SINGLE 1/8 BEND COMBINATION MAYBE USED ON VERTICAL STACKS AND SHORT QUARTER BENDS MAYBE USED ON WASTE LINE, TEE AND CROSSES MAYBE USED IN BENT PIPES.
- PROHIBITED FITTINGS NO DOUBLE HUB OR TEE BRANCH SHALL BE USED ON HORIZONTAL SOIL AND WASTE LINES, THE DRILLINGS AND TAPPING OF HOUSE DRAIN, WASTE OR VENT PIPES AND USED OF SADDLE HUB AND BEND ARE PROHIBITED.
- - CLEAN-OUTS ARE REQUIRED UNDER THE FOLLOWING CONDITIONS: a) EVERY CHANGE OF HORIZONTAL DIRECTION EXCEEDING TWENTY TWOAND ONE-HALF DEGREES (22 1/2°). b) ONE AND ONE-HALF METERS (1.50m.) INSIDE THE PROPERTY LINES BEFORE THE HOUSE DRAINAGE CONNECTION.
- c) EVERY FIFTEEN METERS (15.00m) IN HORIZONTAL RUN OF PIPES. d) AT THE END OF ANY HORIZONTAL PIPE LINES.
- 5. THE DIGESTION CHAMBER OF SEPTIC VAULT MUST BE WATERPROOFED.
- NOT LESS THAN 0.30 METER OF AIR SPACE MUST BE LEFT BETWEEN THE TOP OF THE SEWAGE AND THE UNDER PART OF
- 7. NO SEPTIC VAULT SHALL BE CONSTRUCTED UNDER THE BUILDING.
- ALL PLUMBING WORKS SHALL BE UNDER THE SUPRVISION OF A LICENSED MASTER PLUMBER AND A LICENCED PLUMBING

DESIGN

- CRITERIA
- i. LIVE LOAD_ ii ALLOWABLE STRESSES
- 1. CONCRETE
- a. FOR FOOTING, BEAMS AND SLABS fc" = 20 MPa
- 2. CONCRETE MASONRY UNITS (LOAD BEARING CHB) fm' = 6.90 MPa, fm = 2.41 MPa
- 3. REINFORCING STEEL BARS
- FOR BARS SMALLER THAN 16mmØ
- fy = 230 MPa
- 4. ASSUMED ALLOWABLE BEARING CAPACITY Y = 100KPa

NOTE:

WATER TABLE IS 1500 BELOW GROUND LEVEL.

