



1
A-1 PERSPECTIVE VIEW
SCALE : N T S

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REPUBLIC OF THE PHILIPPINES
OFFICE OF THE CITY/MUNICIPAL
ENGINEER/BUILDING OFFICIAL

DISTRICT/CITY/MUNICIPALITY

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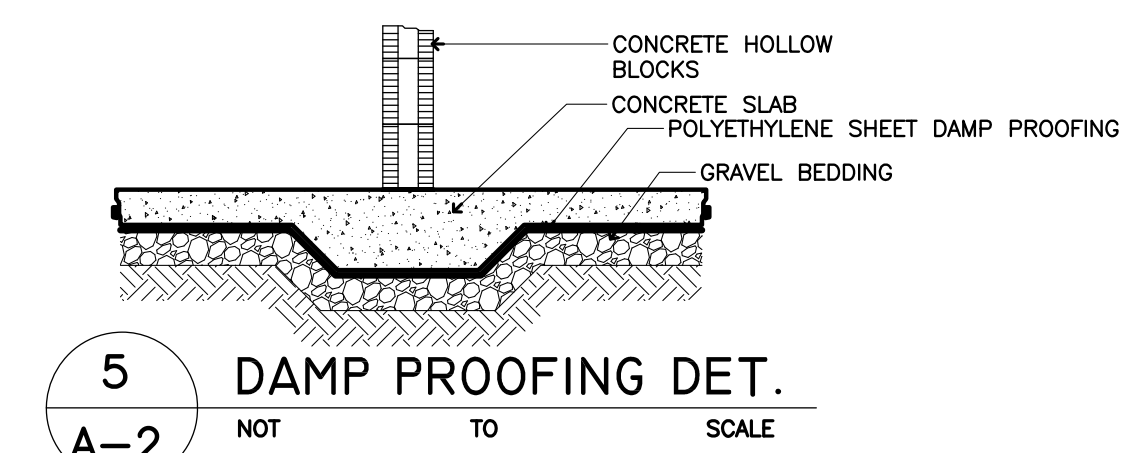
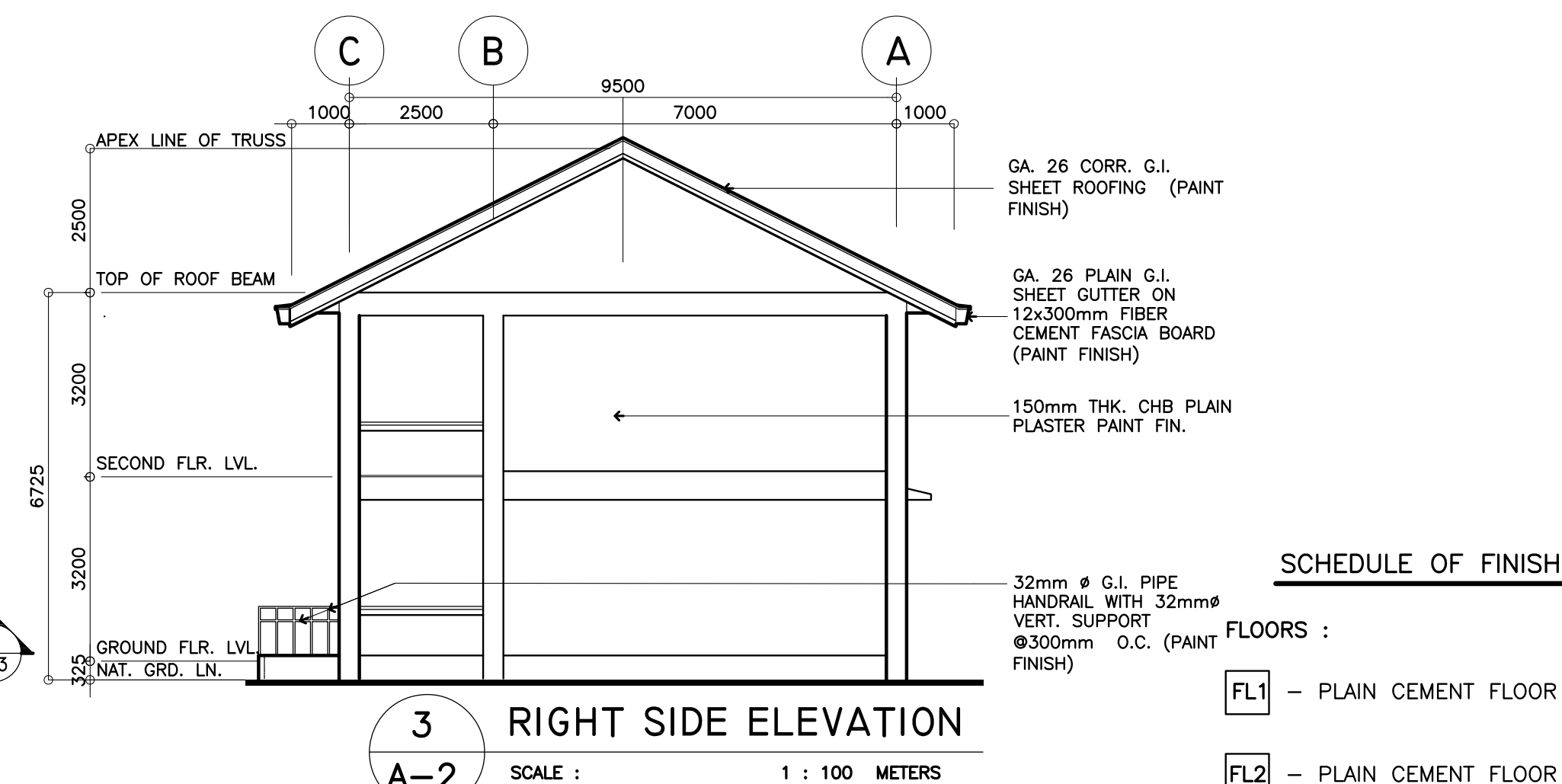
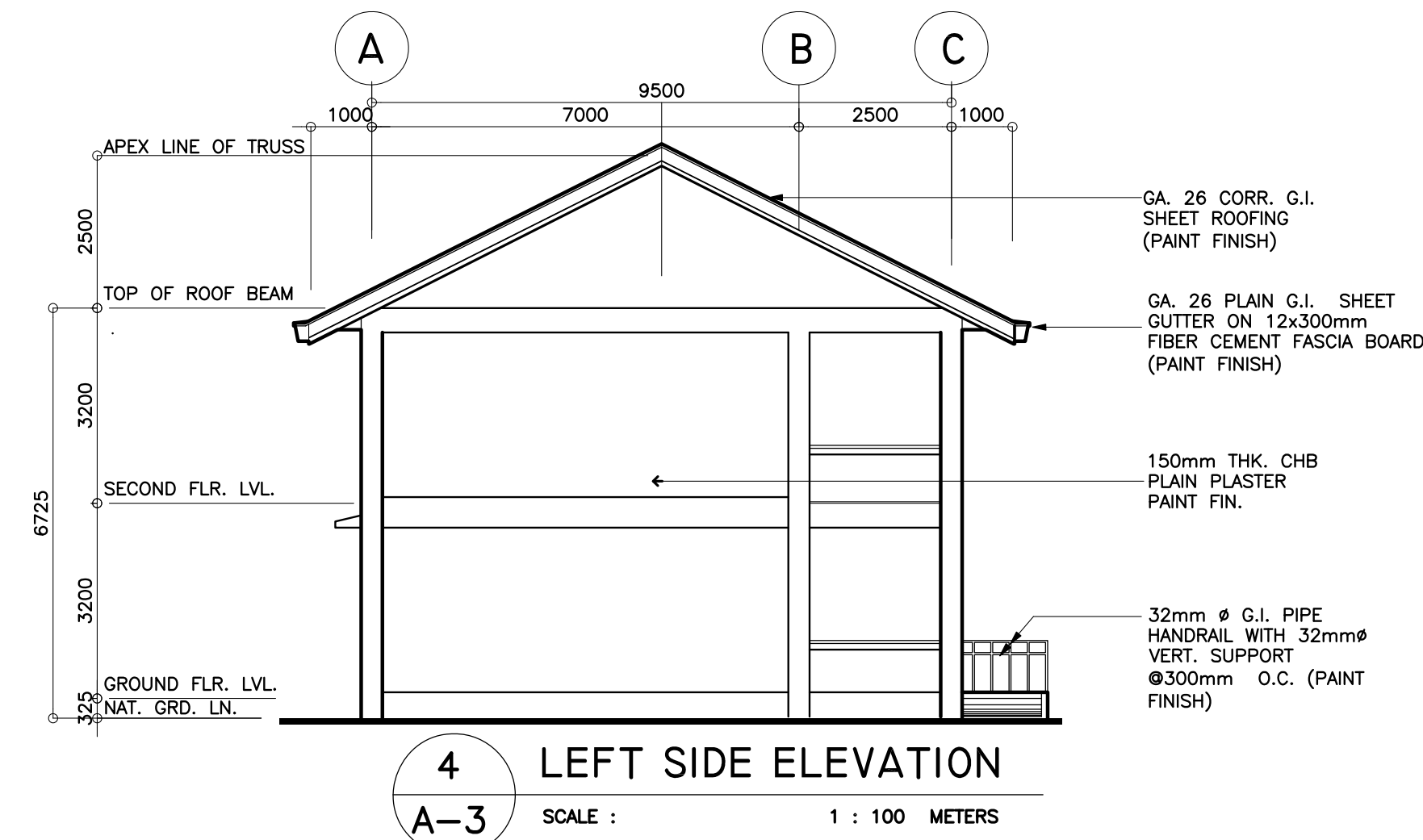
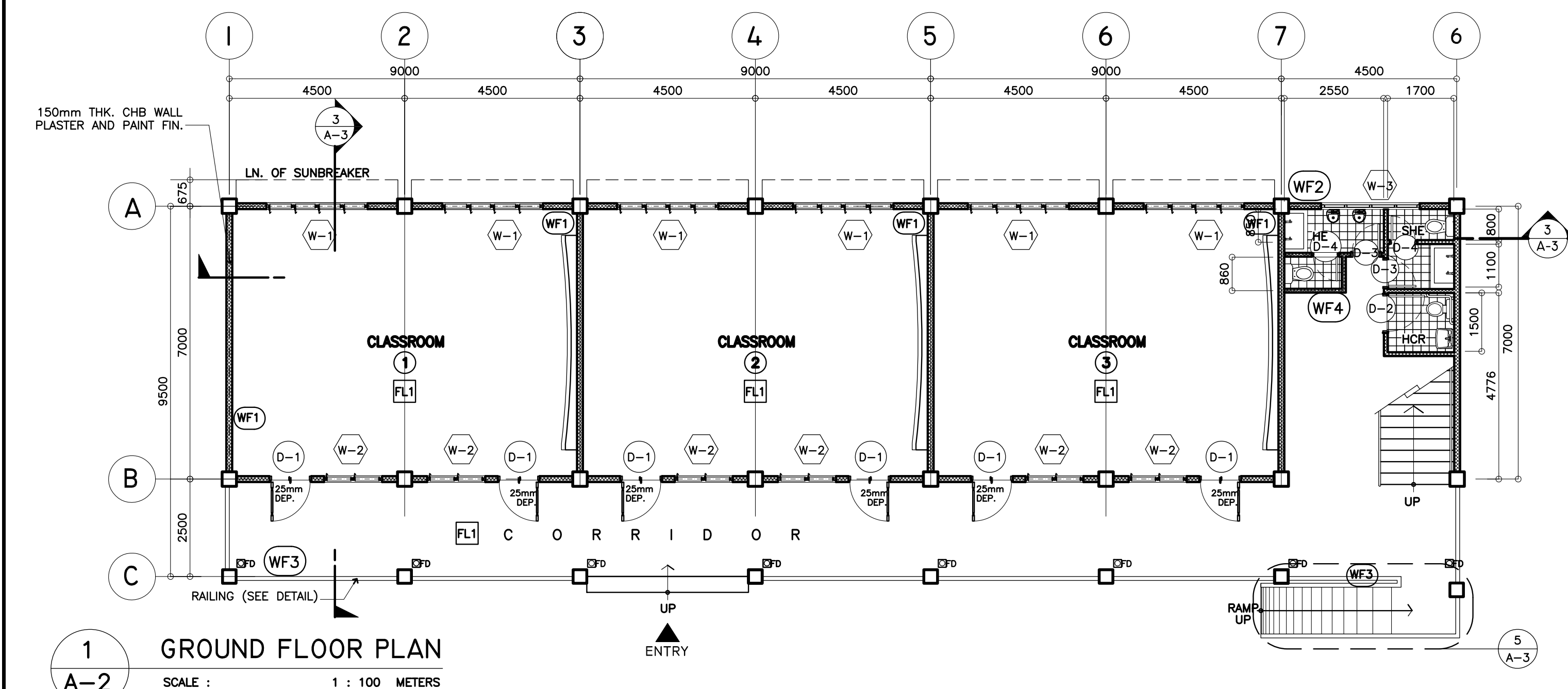
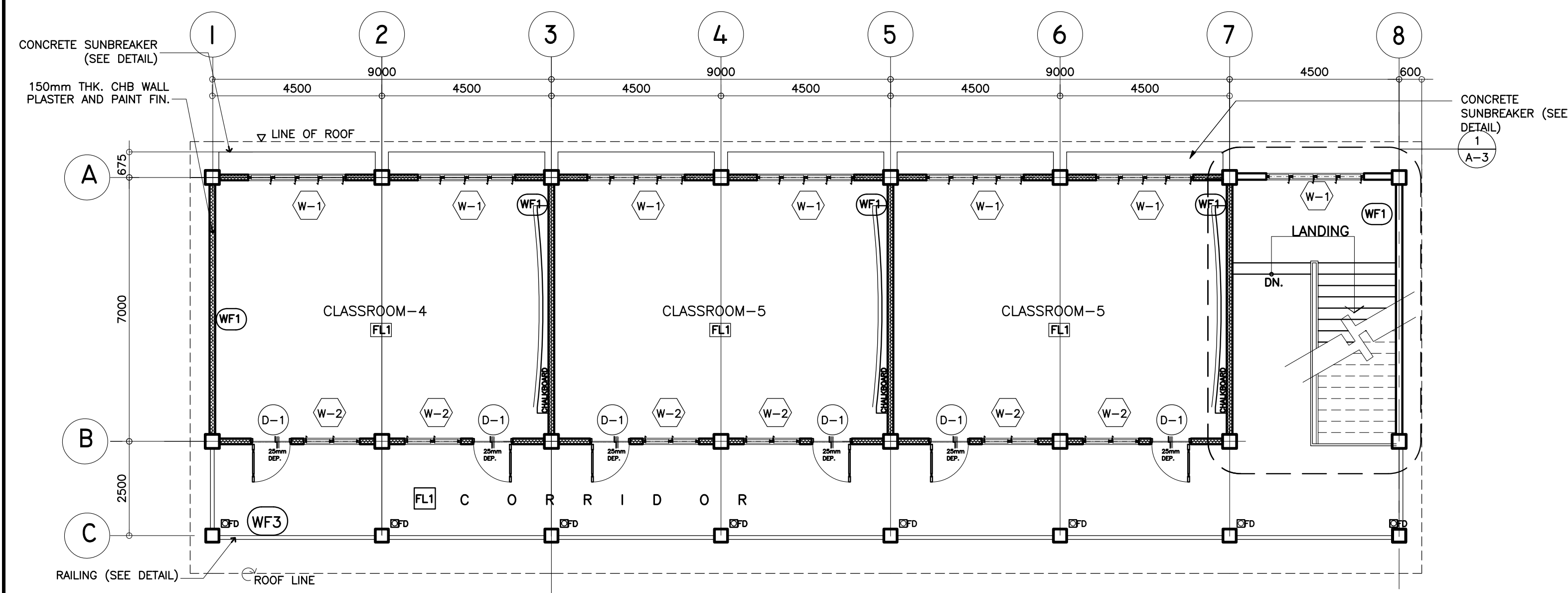
SANITARY

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 - P-2 SEPTIC TANK, CATCH BASIN DETAILS LEGEND, NOTES & DESIGN CRITERIA

MECHANICAL



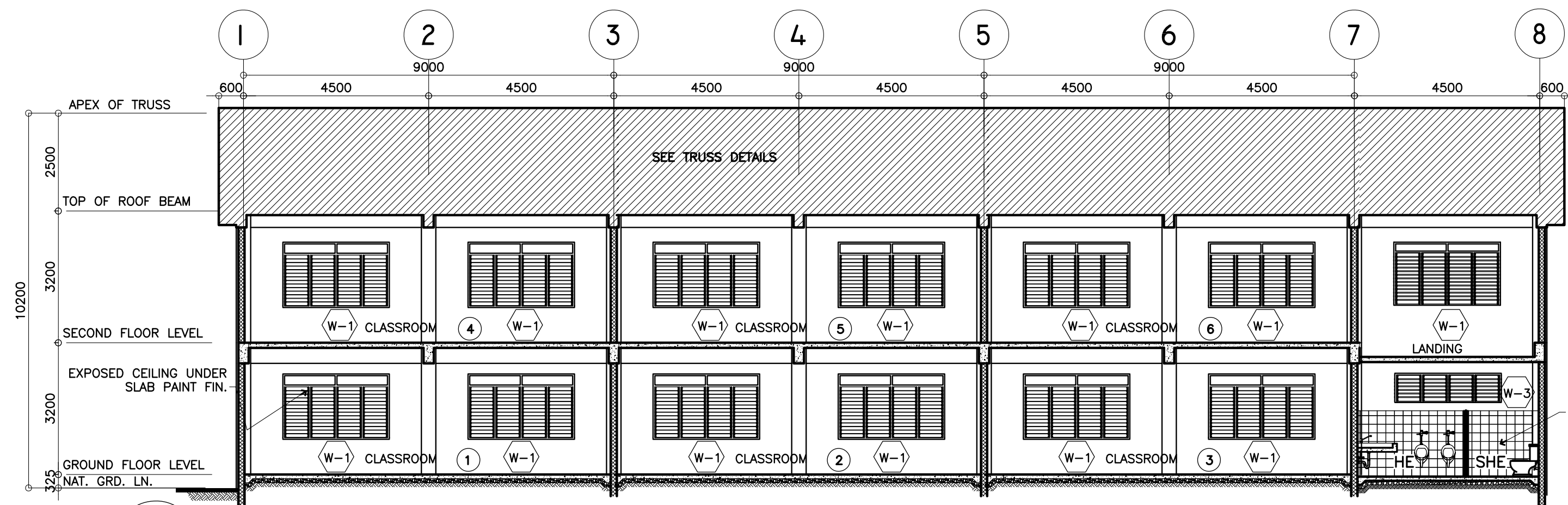
SCHEDULE OF FINISH

- FLOORS :**
- FL1 - PLAIN CEMENT FLOOR FINISH
 - FL2 - PLAIN CEMENT FLOOR ROUGH WITH GROOVES
 - FL3 - 200X200 VITRIFIED FLR TILES (UNGLAZED)
- WALLS :**
- WF1 - 150 MM THK. CHB W/ PLAIN CEMENT PLASTER FIN (PAINT)
 - WF2 - 150mm THK. CHB w/200X200mm VITRIFIED WALL TILES (GLAZED)
 - WF3 - 100mm THK. CHB PLAIN CEMENT PLASTER w/50mmØ G.I. PIPE HANDRAIL PAINT FIN.
 - WF4 - 100mm THK. CHB w/200X200mm VITRIFIED WALL TILES (GLAZED)

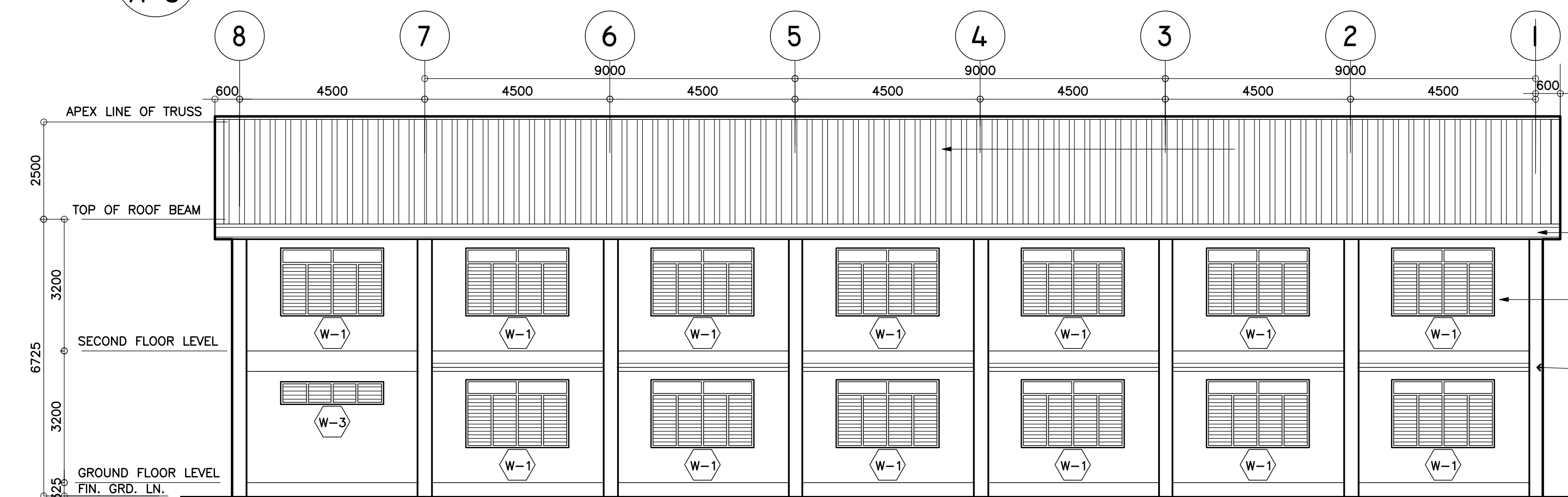
<p>REPUBLIC OF THE PHILIPPINES DEPARTMENT OF EDUCATION (DepED) TASK FORCE ENGINEERING, ASSESSMENT AND MONITORING MERALCO AVENUE, PASIG CITY</p>	CONSULTANT / DESIGNER	REVIEWED BY:	RECOMMENDING APPROVAL :	APPROVED FOR ACCREDITATION :	CONCURRED :	PROJECT TITLE :	PROJECT NO:	OWNER :	SHEET NO:
	 ALBERT Z. DE BELEN ARCHITECT / ENGINEER	 EMMANUEL S. MONTAPAY CHIEF / ARCHITECTURAL DIVISION BUREAU OF DESIGN, DPWH	 SOIA T. SANTIAGO OIC, DIRECTOR III BUREAU OF DESIGN, DPWH	 GILBERTO S. REYES OIC, DIRECTOR IV BUREAU OF DESIGN, DPWH	 RAMON C. BACANI UNDERSECRETARY DEPARTMENT OF EDUCATION (DepED)	TWO STOREY SIX CLASSROOM G.I. ROOF SCHOOL BUILDING	DESIGNED BY: ENCODED BY: Max C.	DEPARTMENT OF EDUCATION DepED	<div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> A-2 6 </div>
	PRC NO. : 0010990 TIN : 149 480 161 PTR NO. : DATE : 27 OCT. 2002					LOCATION :	CHECKED BY:	SHEET CONTENTS : FLOOR PLANS LEFT & RIGHT ELEVATION SCHEDULE OF FINISHES, DAMP PROOFING	
							DATE : 08/06/2004		

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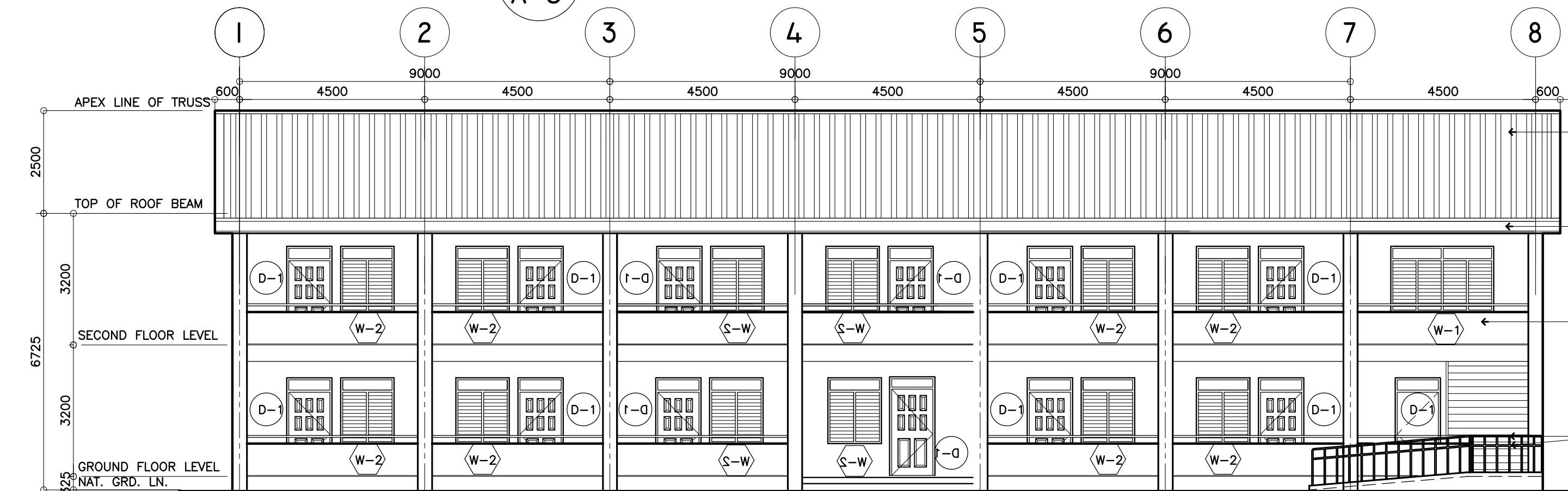
REP. ACT 545



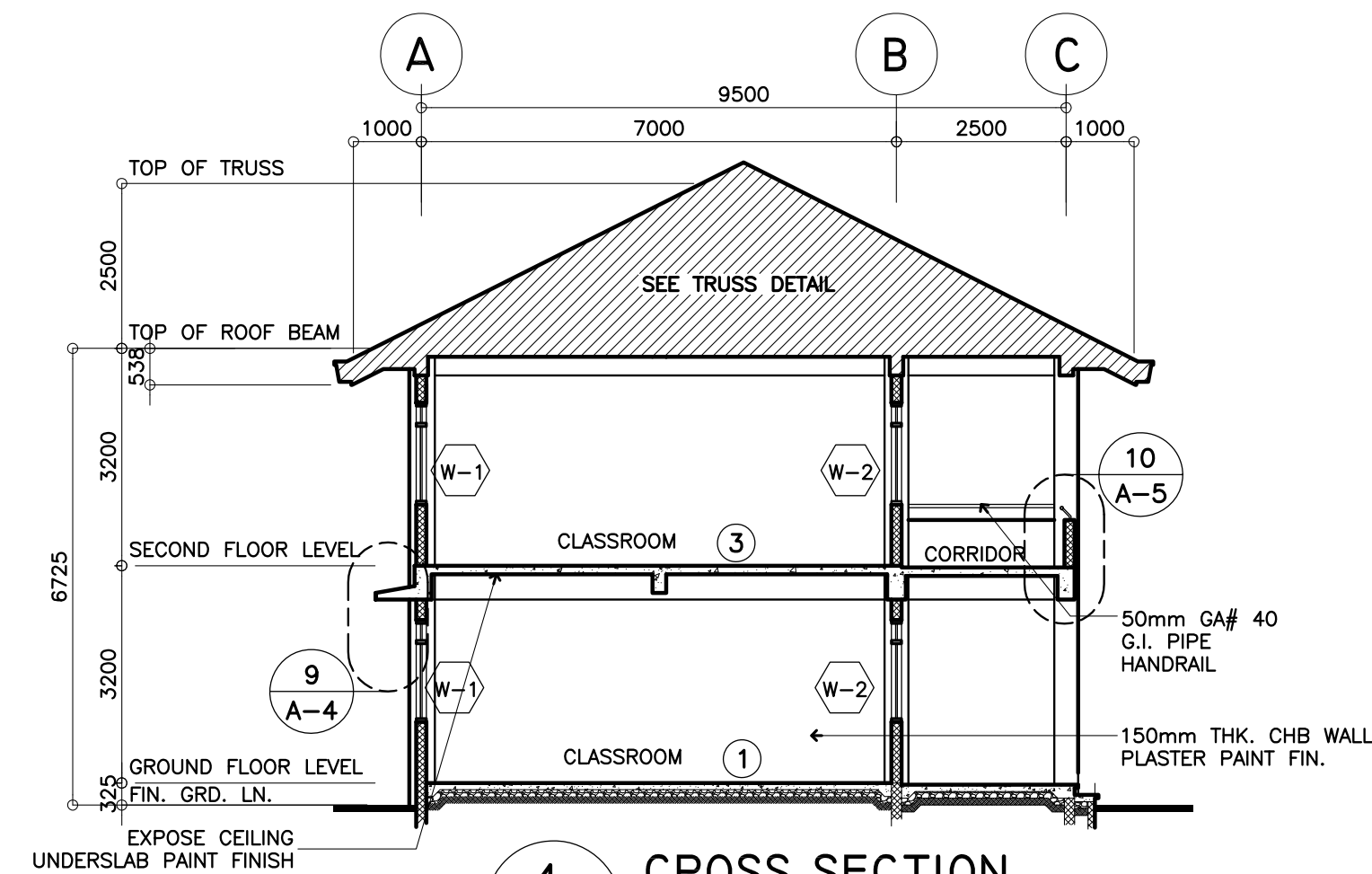
3 LONGITUDINAL SECTION
A-3 SCALE : 100



2 REAR ELEVATION
A-3 SCALE : 1 : 100 METERS

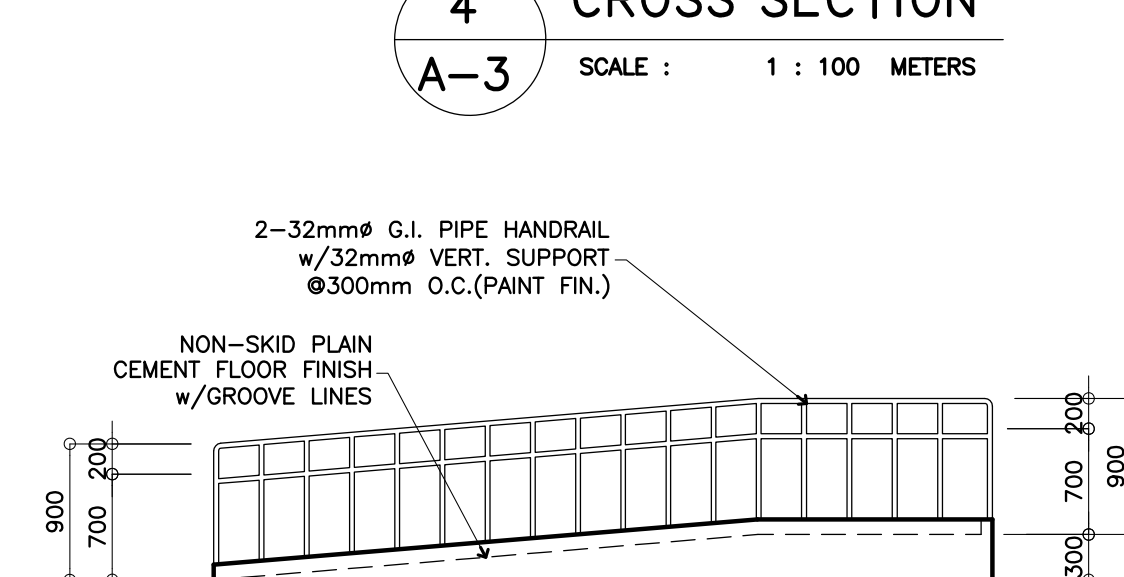


1 FRONT ELEVATION
A-3 SCALE : 1 : 100 METERS

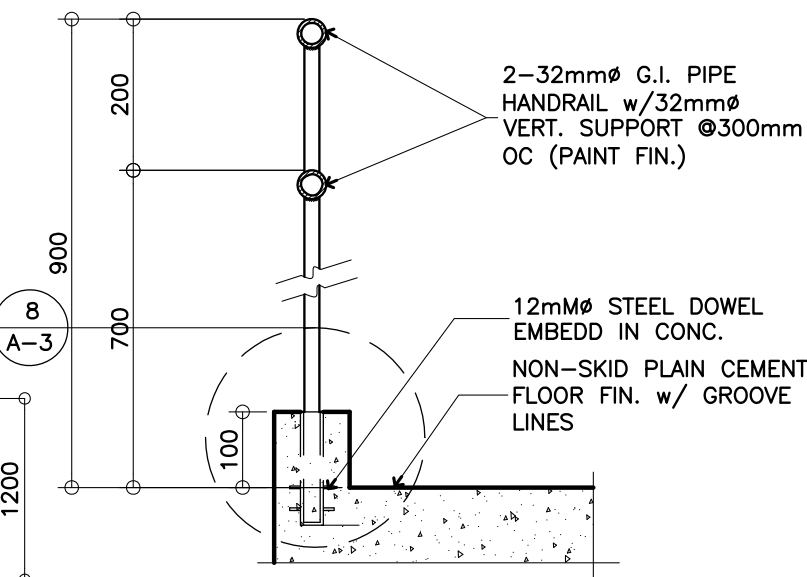


4 CROSS SECTION
A-3 SCALE : 1 : 100 METERS

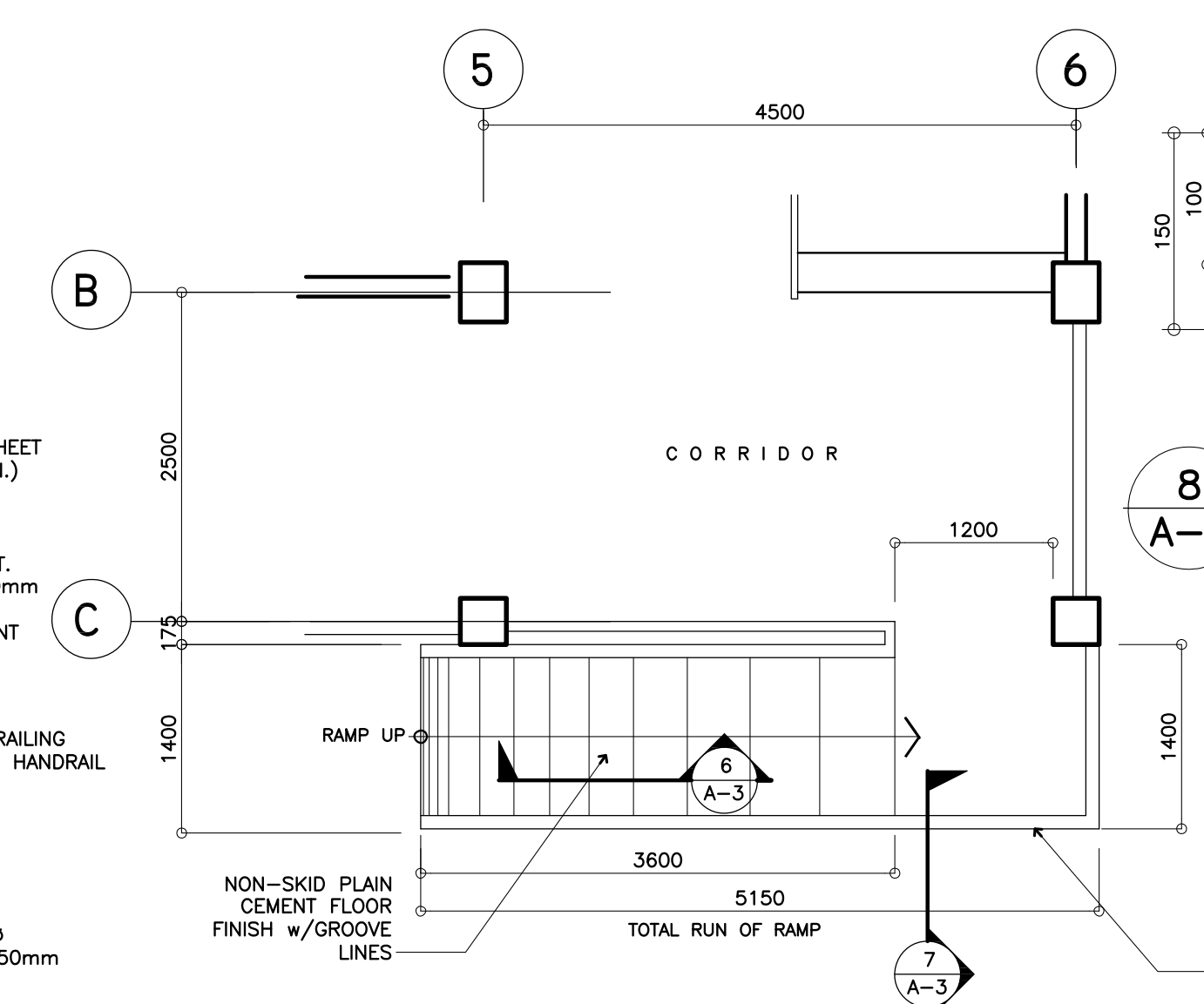
GA.26 CORR. G.I. SHEET ROOFING (PAINT FINISH)
GA.26 PLAIN G.I. SHEET GUTTER ON 12x300mm FIBER CEMENT FASCIA BD. (PAINT FINISH)
PLAIN CEMENT PLASTER PAINT WALL FINISH
GA. 26 CORR. G.I. SHEET SUN BREAKER ON STEEL FRAMING (SEE DETAIL)



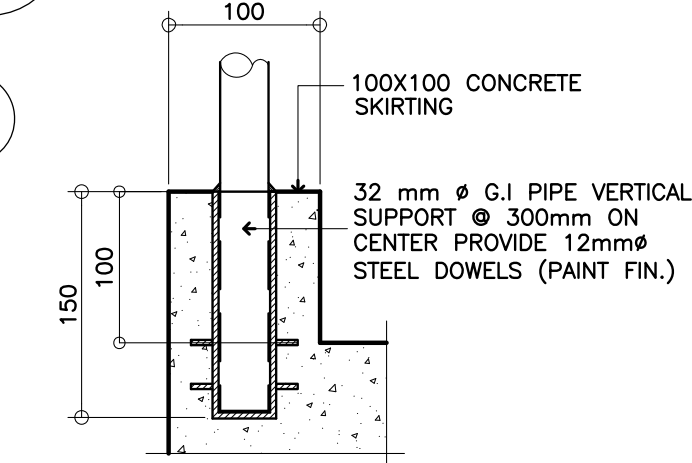
6 DET. ELEVATION OF RAMP
A-3 SCALE 1:50 M



7 DETAIL SECTION
A-3 SCALE 1:10 M



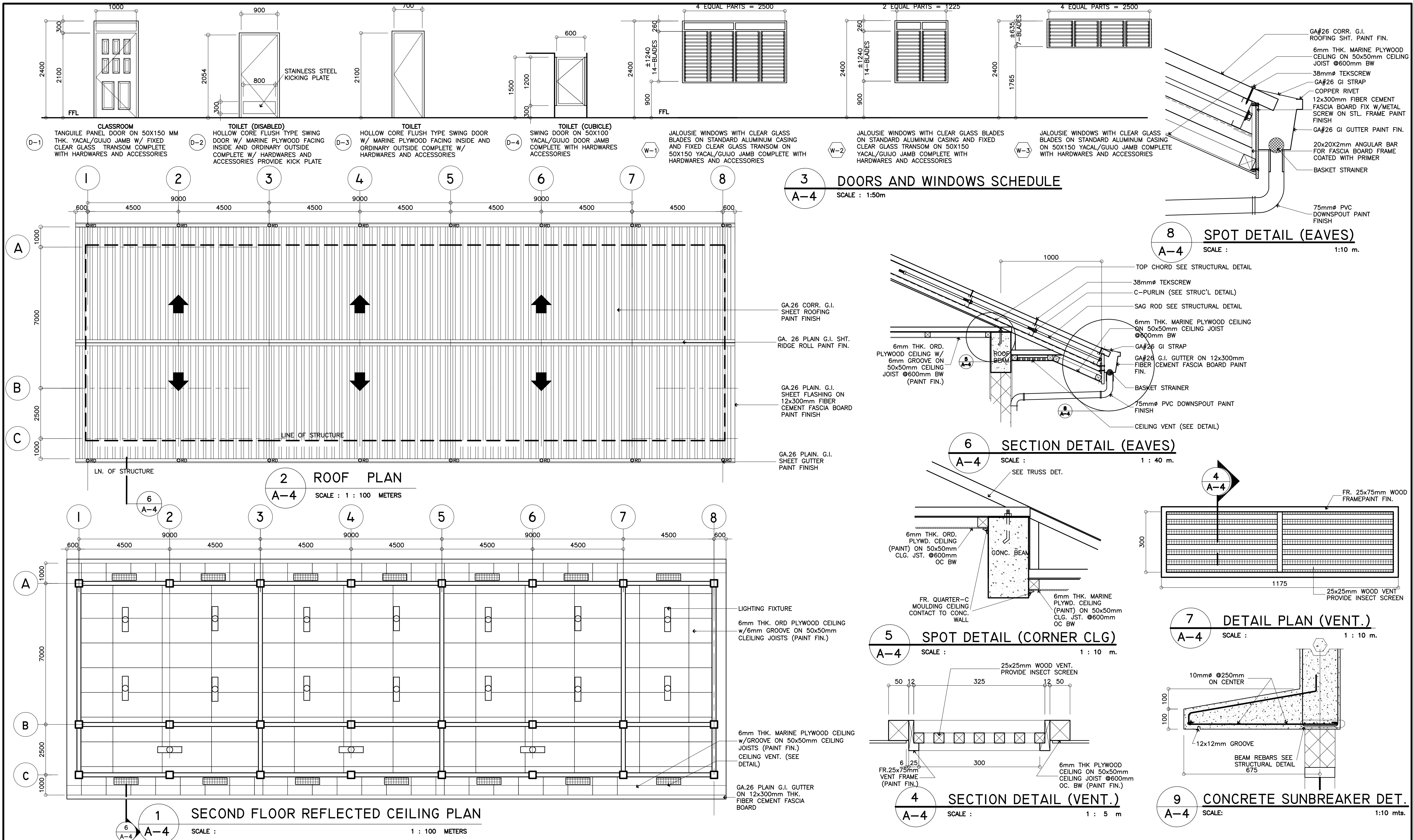
5 DET. PLAN OF RAMP
A-3 SCALE 1:50 M

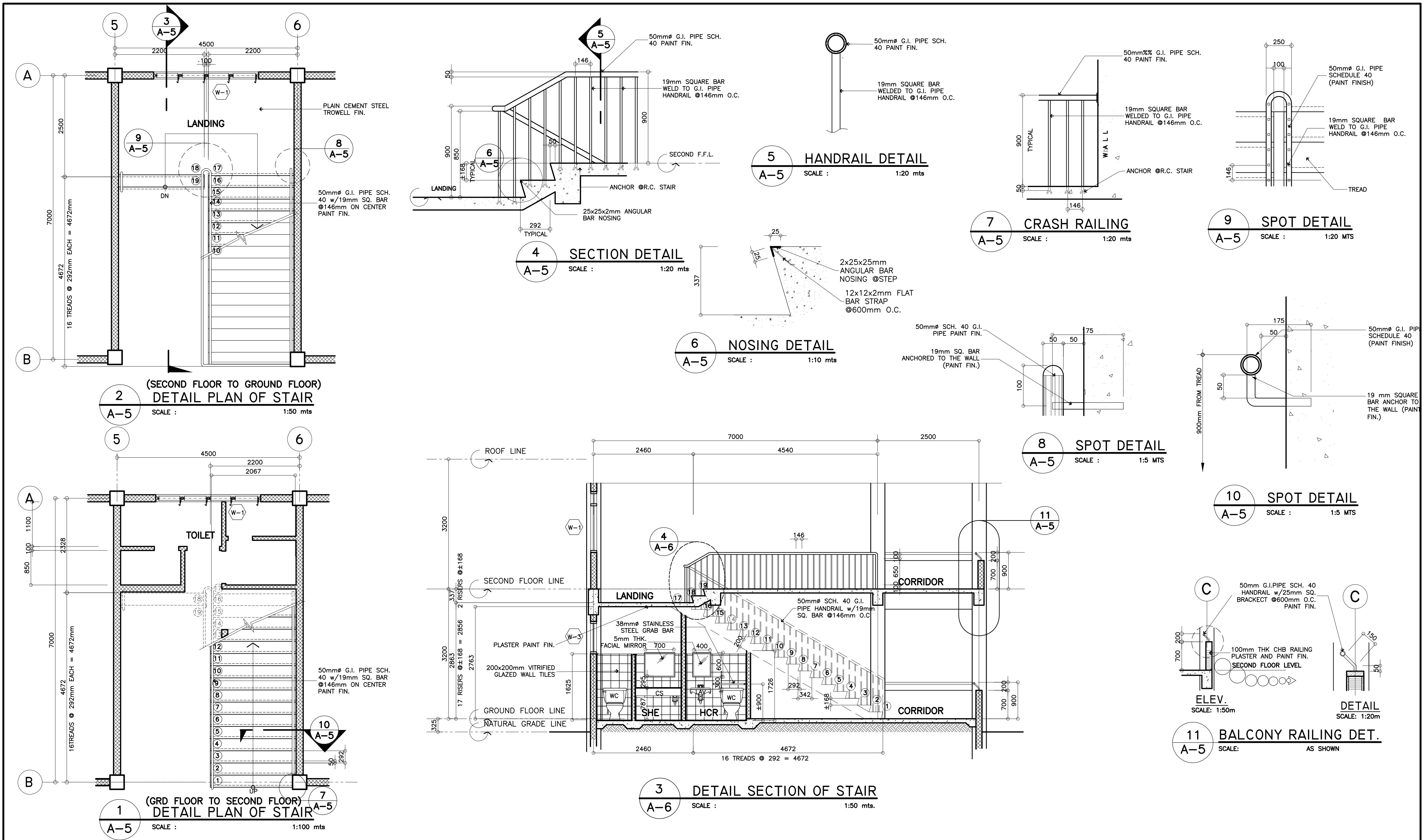


8 SPOT DETAIL
A-3 SCALE 1:5 M

<p>REPUBLIC OF THE PHILIPPINES DEPARTMENT OF EDUCATION (DepED) TASK FORCE ENGINEERING, ASSESSMENT AND MONITORING MERALCO AVENUE, PASIG CITY</p>	<p>CONSULTANT / DESIGNER ALBERT Z. DE BELEN ARCHITECT / ENGINEER PRC NO. : 0010990 TIN : 149 480 161 PTR NO. : DATE : 27 OCT. 2002</p>	<p>REVIEWED BY: EMANUEL P. MONTAPAY CHIEF / ARCHITECTURAL DIVISION BUREAU OF DESIGN, DPWH</p>	<p>RECOMMENDING APPROVAL : SOPIA T. SANTIAGO OIC, DIRECTOR III BUREAU OF DESIGN, DPWH</p>	<p>APPROVED FOR ACCREDITATION : GILBERTO S. REYES OIC, DIRECTOR IV BUREAU OF DESIGN, DPWH</p>	<p>CONCURRED : RAMON C. BACANI UNDERSECRETARY DEPARTMENT OF EDUCATION (DepED)</p>	<p>PROJECT TITLE : TWO STOREY SIX CLASSROOM G.I. ROOF SCHOOL BUILDING LOCATION :</p>	<p>PROJECT NO: DESIGNED BY: ENCODED BY: Max C. CHECKED BY: DATE : 08/06/2004</p>	<p>OWNER : DEPARTMENT OF EDUCATION DepED SHEET CONTENTS : FRONT & REAR ELEVATION, SECTIONS, DET OF RAMP & RAILING</p>	<p>SHEET NO: A-3 6</p>
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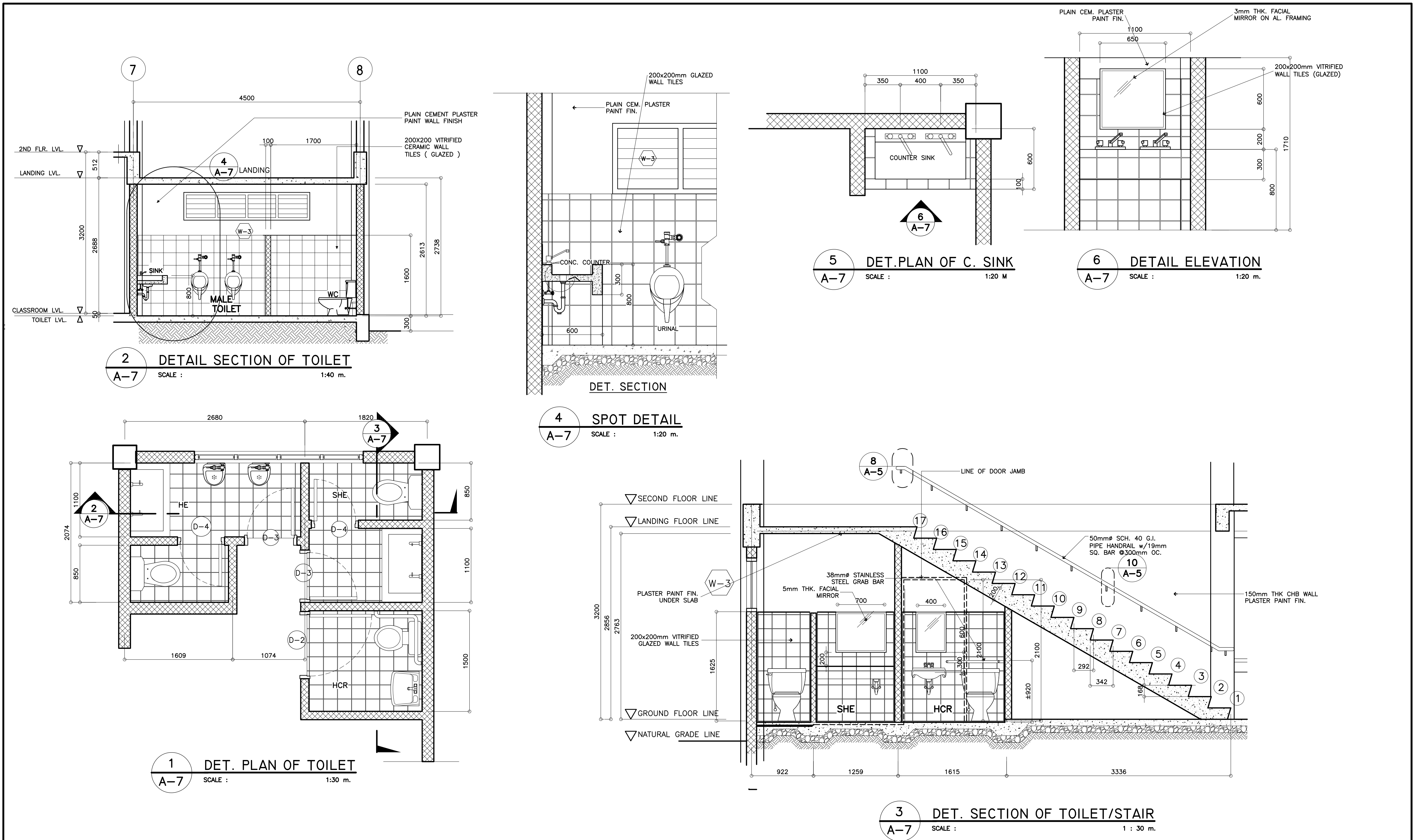




<p>REPUBLIC OF THE PHILIPPINES DEPARTMENT OF EDUCATION (DepED) TASK FORCE ENGINEERING, ASSESSMENT AND MONITORING MERALCO AVENUE, PASIG CITY</p>	<p>CONSULTANT / DESIGNER ALBERT Z. DE BELEN ARCHITECT / ENGINEER PRC NO. : 0010990 TIN : 149 480 161 PTR NO. : DATE : 27 OCT. 2002</p>	<p>REVIEWED BY: EMANUEL S. MONTAPAY CHIEF ARCHITECTURAL DIVISION BUREAU OF DESIGN, DPWH</p>	<p>RECOMMENDING APPROVAL : SOPIA T. SANTIAGO OIC, DIRECTOR III BUREAU OF DESIGN, DPWH</p>	<p>APPROVED FOR ACCREDITATION : GILBERTO S. REYES OIC, DIRECTOR IV BUREAU OF DESIGN, DPWH</p>	<p>CONCURRED : RAMON C. BACANI UNDERSECRETARY DEPARTMENT OF EDUCATION (DepED)</p>	<p>PROJECT TITLE : TWO STOREY SIX CLASSROOM G.I. ROOF SCHOOL BUILDING</p> <p>LOCATION :</p>	<p>PROJECT NO: DESIGNED BY: ENCODED BY: Max C. CHECKED BY: DATE : 08/06/2004</p>	<p>OWNER : DEPARTMENT OF EDUCATION DepED</p> <p>SHEET CONTENTS : STAIR AND RAILING DETAIL</p>	<p>SHEET NO: A-5 6</p>
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	 ALBERT Z. DE BELEN ARCHITECT / ENGINEER	 EMMANUEL S. MONTAPAY CHIEF / ARCHITECTURAL DIVISION BUREAU OF DESIGN, DPWH	 SOFIA T. SANTIAGO OIC, DIRECTOR III BUREAU OF DESIGN, DPWH	 GILBERTO S. REYES OIC, DIRECTOR IV BUREAU OF DESIGN, DPWH	 RAMON C. BACANI UNDERSECRETARY DEPARTMENT OF EDUCATION (DepEd)	TWO STOREY SIX CLASSROOM G.I. ROOF SCHOOL BUILDING	DESIGNED BY: ENCODED BY: Max C.	DEPARTMENT OF EDUCATION DepEd	A-6
	PRC NO. : 0010990 TIN : 149 480 161 PTR NO. : DATE : 27 OCT. 2002					LOCATION :	CHECKED BY: DATE : 08/06/2004	SHEET CONTENTS : TOILET DETAIL	6

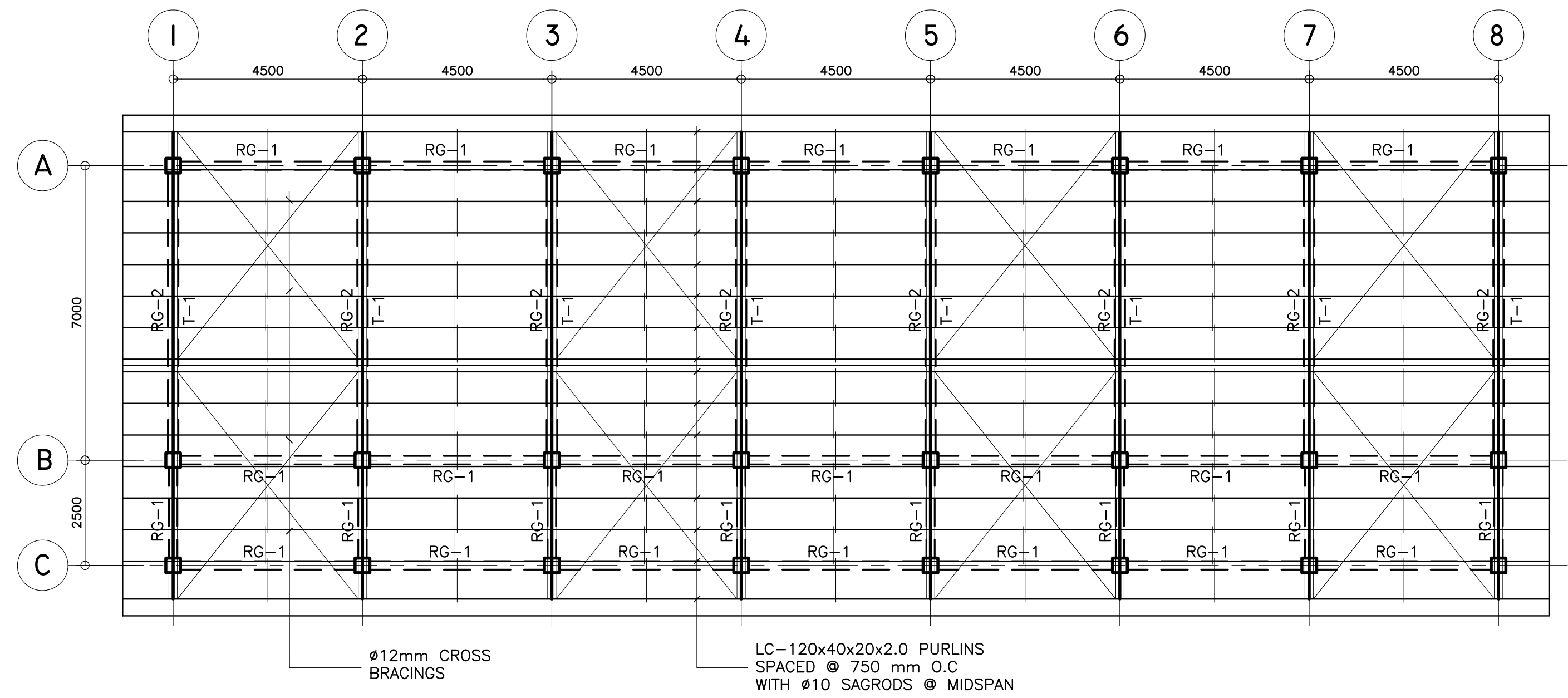
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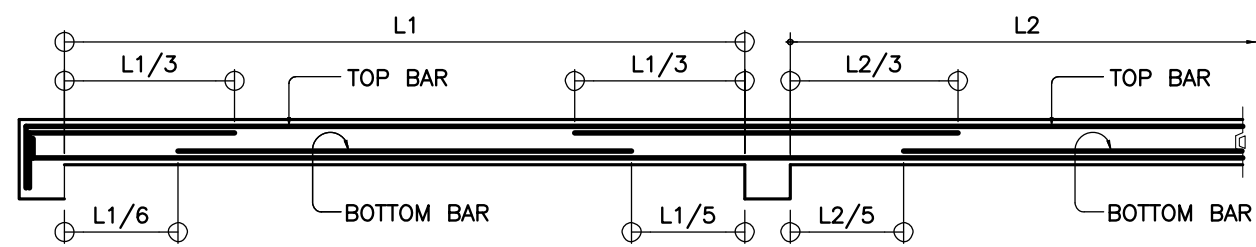


 <div style="text-align: center;"> REPUBLIC OF THE PHILIPPINES DEPARTMENT OF EDUCATION (DepED) TASK FORCE ENGINEERING, ASSESSMENT AND MONITORING MERALCO AVENUE, PASIG CITY </div> 	CONSULTANT / DESIGNER <div style="text-align: center;">  ANTONIA M. MANIO <hr/> CIVIL ENGINEER PRG NO. : 70071 TIN : 188-342-853 PTR NO. : DATE : </div>	REVIEWED BY: <div style="text-align: center;">  WILFREDO S. LOPEZ <hr/> OIC, STRUCTURAL DIVISION BUREAU OF DESIGN, DPWH  </div>	RECOMMENDING APPROVAL : <div style="text-align: center;">  SOFIA P. SANTIAGO <hr/> OIC, DIRECTOR III BUREAU OF DESIGN, DPWH </div>	APPROVED FOR ACCREDITATION : <div style="text-align: center;">  GILBERTO S. REYES <hr/> OIC, DIRECTOR IV BUREAU OF DESIGN, DPWH </div>	OCCURRED : <div style="text-align: center;">  RAMON C. BACANI <hr/> UNDERSECRETARY DEPARTMENT OF EDUCATION (DepED)  </div>	PROJECT TITLE : <div style="text-align: center;"> TWO STOREY SIX CLASSROOM G.I. ROOF SCHOOL BUILDING </div>	PROJECT NO: DESIGNED BY: ENCODED BY: Max C. CHECKED BY:	OWNER : <div style="text-align: center;"> DEPARTMENT OF EDUCATION DepED </div>	SHEET NO: <div style="text-align: center;"> S-1 4 </div>	
	SHEET CONTENTS : FOUNDATION 2ND FLOOR PLAN									
	LOCATION :									
	DATE : 08/06/2004									

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A
S-2
ROOF DECK FRAMING PLAN
SCALE : 1:100 M.

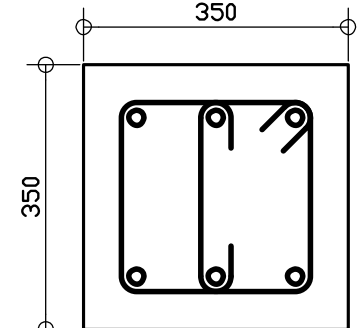
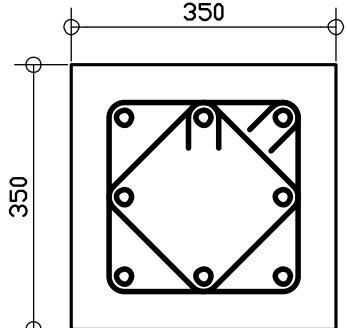
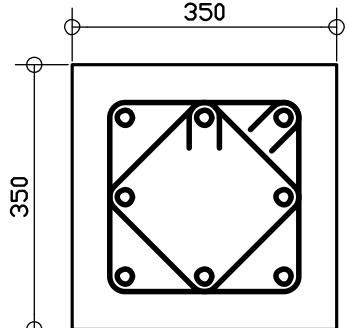
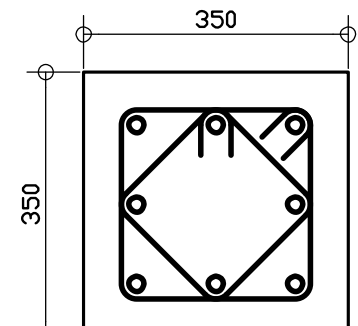
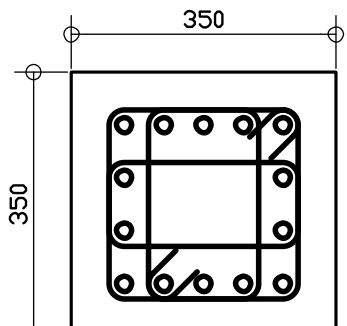
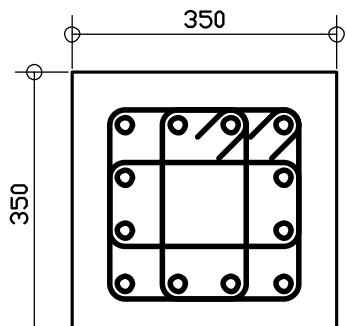


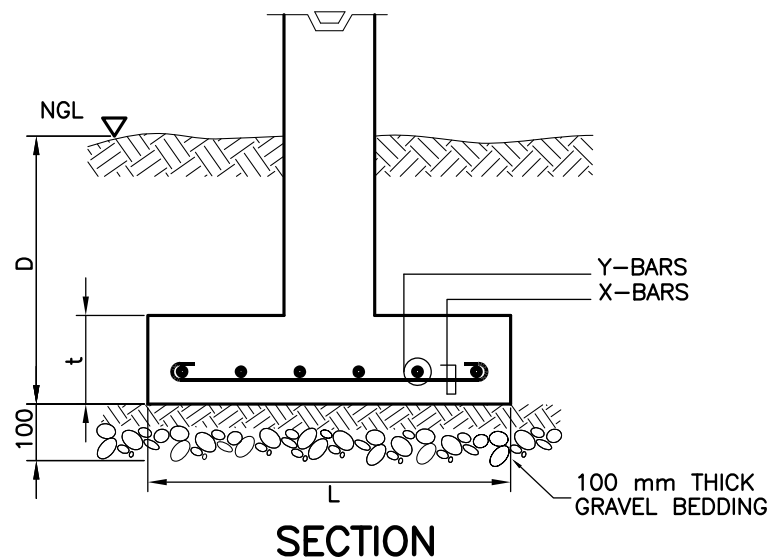
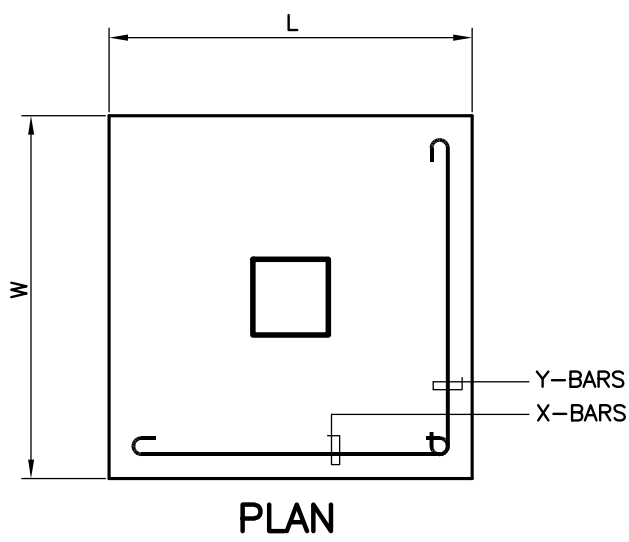
B
S-2
TYPICAL SLAB ELEVATION

SCHEDULE OF SLABS																	
FLOOR LEVEL	SLAB MARK	THICK- NESS in mm	REBAR SPACING ALONG SHORT DIRECTION in mm							REBAR SPACING ALONG LONG DIRECTION in mm							REMARKS
			REBAR SIZE	LEFT SUPPORT		MIDSPAN		RIGHT SUPPORT		REBAR SIZE	LEFT SUPPORT		MIDSPAN		RIGHT SUPPORT		
				TOP	BOTT.	TOP	BOTT.	TOP	BOTT.		TOP	BOTT.	TOP	BOTT.	TOP	BOTT.	
SECOND LEVEL																	
	S-1	100	10ø	200	300	-	300	200	300	10ø	250	300	-	300	250	300	TWO-WAY
	S-2	100	10ø	300	300	-	300	300	300	10ø	300	300	-	300	300	300	TWO-WAY

<p>REPUBLIC OF THE PHILIPPINES DEPARTMENT OF EDUCATION (DepED) TASK FORCE ENGINEERING, ASSESSMENT AND MONITORING MERALCO AVENUE, PASIG CITY</p>	CONSULTANT / DESIGNER	REVIEWED BY:	RECOMMENDING APPROVAL :	APPROVED FOR ACCREDITATION :	CONCURRED :	PROJECT TITLE :	PROJECT NO:	OWNER :	SHEET NO:
	 ANTONIA M. MANIO CIVIL ENGINEER	 WILFREDO S. LOPEZ OIC, STRUCTURAL DIVISION BUREAU OF DESIGN, DPWH	 SOPIA T. SANTIAGO OIC, DIRECTOR III BUREAU OF DESIGN, DPWH	 GILBERTO S. REYES OIC, DIRECTOR IV BUREAU OF DESIGN, DPWH	 RAMON C. BACANI UNDERSECRETARY DEPARTMENT OF EDUCATION (DepED)	TWO STOREY SIX CLASSROOM G.I. ROOF SCHOOL BUILDING	DESIGNED BY: ENCODED BY: Max C.	DEPARTMENT OF EDUCATION DepED	<div>S-2</div> <div>3</div>
	PRC NO. : 70071 TIN : 188-342-853 PTR NO. : DATE :					LOCATION :	CHECKED BY:	SHEET CONTENTS :	
							DATE : 08/06/2004	ROOF DECK FRAMING PLAN SCHEDULE OF SLAB	

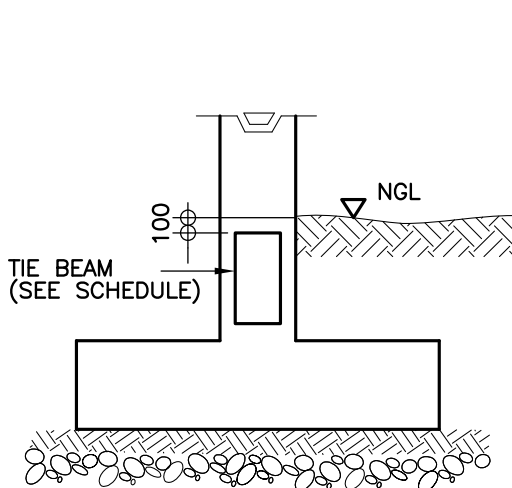
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C O L U M N S C H E D U L E			
LEVEL	C-1	C-2	C-3
2ND FLOOR LEVEL TO ROOF DECKLEVEL			
	MAIN BAR: 6-#16mm TIES : #10 mm 1#50, 8#75, REST #150mm TO CENTER	MAIN BAR: 8-#20mm TIES : #10 mm 1#50, 8#75, REST #150mm TO CENTER	MAIN BAR: 8-#20mm TIES : #10 mm 1#50, 8#75, REST #150mm TO CENTER
FOUNDATION LEVEL TO 2ND FLOOR LEVEL			
	MAIN BAR: 8-#16mm TIES : #10 mm 1#50, 8#75, REST #150mm TO CENTER	MAIN BAR: 14-#20mm TIES : #10 mm 1#50, 8#75, REST #150mm TO CENTER	MAIN BAR: 12-#20mm TIES : #10 mm 1#50, 8#75, REST #150mm TO CENTER

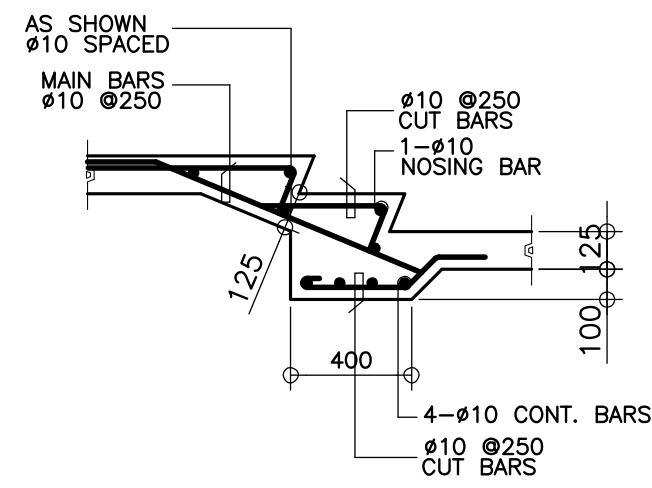


E TYP. FOOTING DETAIL
S-3 SCALE NTS

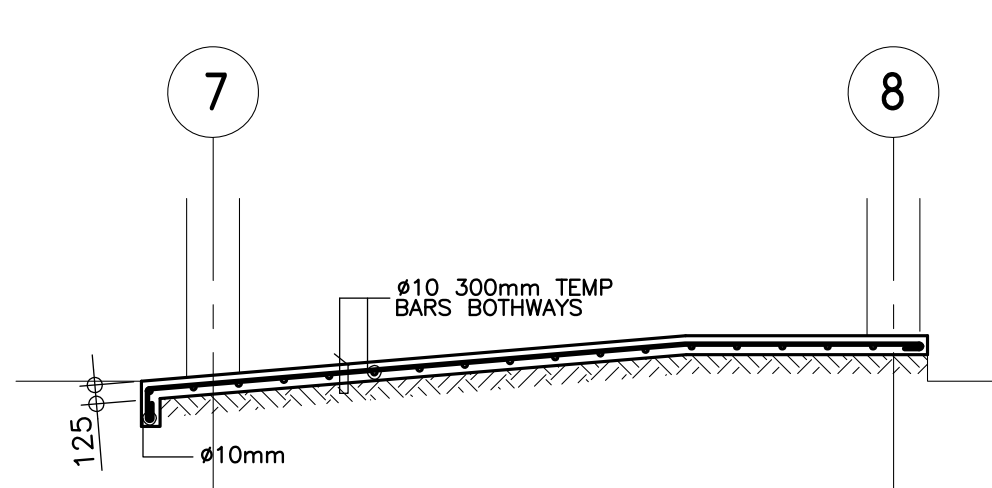
S C H E D U L E O F F O O T I N G							
FOOTING MARK	FOOTING DIMENSIONS (mm)				REINFORCEMENT		REMARKS
	LENGTH (L)	WIDTH (W)	DEPTH (D)	Thickness (t)	BAR X	BAR Y	
F-1	1100	1100	1500	250	5 - 16mm#	5 - 16mm#	SQUARE FOOTING
F-2	2200	2200	1500	300	12 - 16mm#	12 - 16mm#	SQUARE FOOTING
F-3	1900	1900	1500	300	11 - 16mm#	11 - 16mm#	SQUARE FOOTING



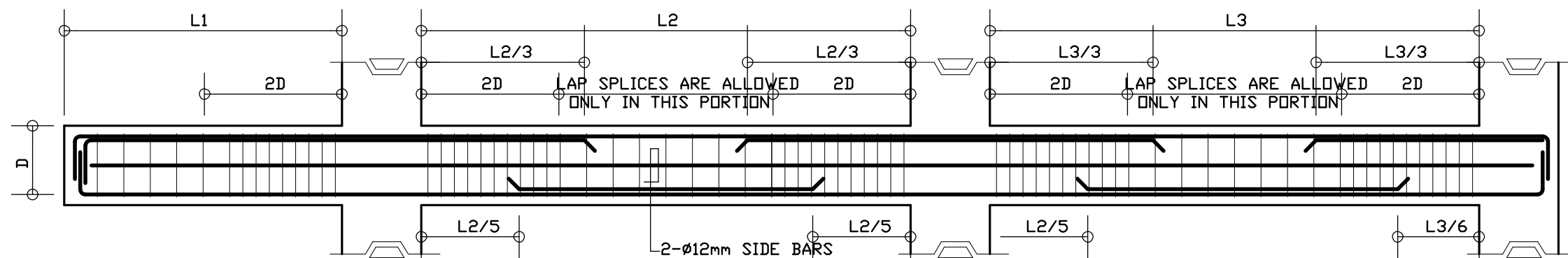
A DETAIL OF TIE BEAM
S-3 SCALE NTS



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



C DETAIL OF RAMP
S-3 SCALE 1 : 50M



D TYPICAL BEAM ELEVATION
S-3

B E A M S C H E D U L E											
FLOOR LEVEL	BEAM MARK	BEAM DIMENSIONS (in / mm)		S T E E L R E I N F O R C E M E N T S							
				REBAR (mm #)	LEFT		MID SPAN		RIGHT		S T I R R U P S #10mm (UNLESS NOTED OTHERWISE)
					TOP	BOTTOM	TOP	BOTTOM	TOP	BOTTOM	
2ND FLOOR LEVEL	G-1	200	400	#20mm	2	2	2	2	2	2	1#50, 6#100, REST#200
	G-2	200	400	#20mm	4	3	2	2	4	3	1#50, 6#100, REST#200
	G-3	200	400	#20mm	3	2	2	2	3	2	1#50, 6#100, REST#200
	G-3a	200	800	#20mm	3	2	2	2	3	2	1#50, 8#175, REST#300
	G-4	200	400	#20mm	3	2	2	2	3	3	1#50, 6#100, REST#200
	G-5	250	500	#20mm	5	3	2	4	5	3	1#50, 8#100, REST#200
	G-6	200	400	#20mm	3	2	2	2	3	3	1#50, 6#100, REST#200
	G-7	250	500	#20mm	5	3	2	6	5	3	1#50, 8#100, REST#200
	B-1	200	400	#16mm	4	2	2	2	4	2	1#50, 6#100, REST#200
	B-2	200	400	#16mm	2	2	2	4	2	2	1#50, 6#100, REST#200
	CB-1	200	400	#16mm	4	2	4	2	4	2	1#50, 6#100, REST#200
ROOF LEVEL	RG-1	200	400	#16mm	2	2	2	2	2	2	1#50, 6#100, REST#200
	RG-2	200	500	#16mm	3	3	3	3	3	3	1#50, 8#100, REST#200
TIE BEAM	TG-1	300	500	#20mm	3	2	2	2	4	3	1#50, 8#100, REST#200
	TG-2	300	500	#20mm	4	3	2	2	4	3	1#50, 8#100, REST#200
	TG-3	300	500	#20mm	3	3	2	2	3	3	1#50, 6#100, REST#200
STAIR BEAM	STB-1	200	400	#16mm	3	2	2	4	3	2	1#50, 6#100, REST#200
	STB-2	200	500	#16mm	4	2	2	4	4	2	1#50, 8#100, REST#200



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



CONSULTANT / DESIGNER
ANTONIA M. MANIO
CIVIL ENGINEER
PRC NO. : 70071 TIN : 188-342-853
PTR NO. : DATE :

REVIEWED BY:
WILFREDO S. LOPEZ
OIC, STRUCTURAL DIVISION
BUREAU OF DESIGN, DPWH

RECOMMENDING APPROVAL :
SOPIA T. SANTIAGO
OIC, DIRECTOR III
BUREAU OF DESIGN, DPWH

APPROVED FOR ACCREDITATION :
GILBERTO S. REYES
OIC, DIRECTOR IV
BUREAU OF DESIGN, DPWH

CONCURRED :
RAMON C. BACANI
UNDERSECRETARY
DEPARTMENT OF EDUCATION (DepEd)

PROJECT TITLE :
TWO STOREY
SIX CLASSROOM
G.I. ROOF SCHOOL BUILDING
LOCATION :

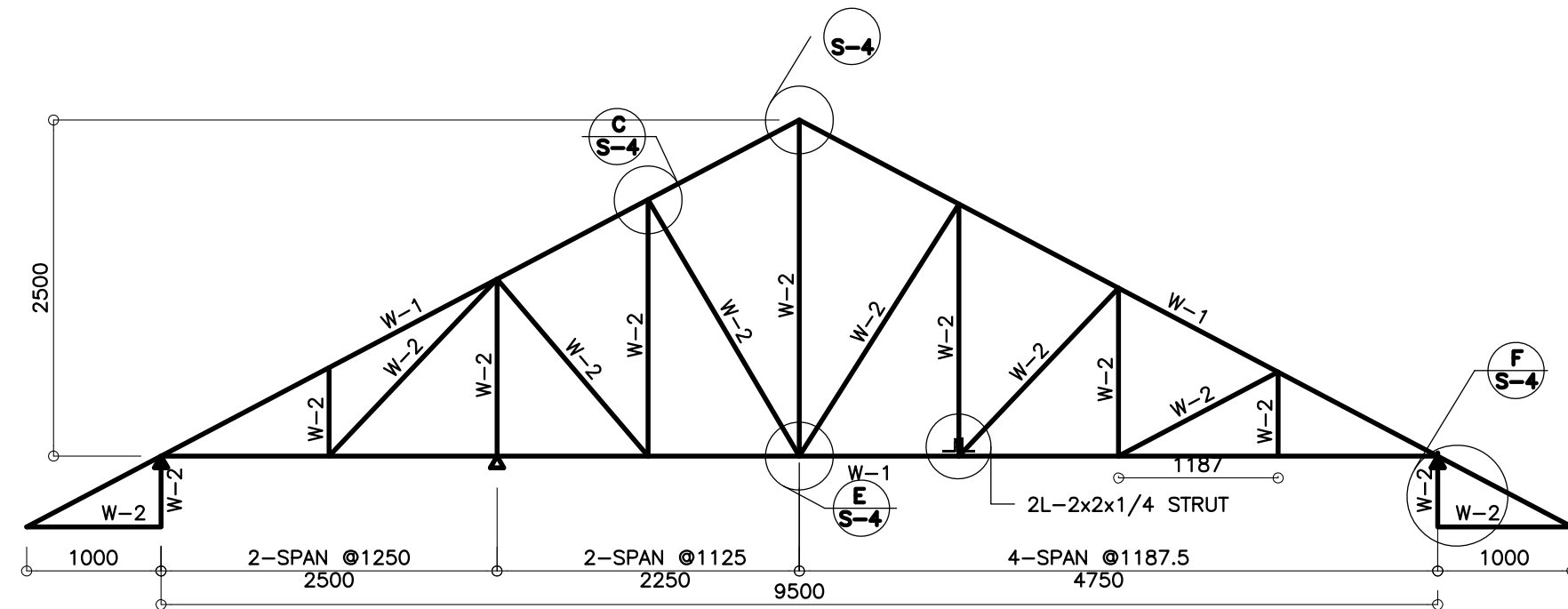
PROJECT NO.:
DESIGNED BY:
ENCODED BY: Max C.
CHECKED BY:
DATE : 08/06/2004

OWNER :
DEPARTMENT OF EDUCATION
DepEd
SHEET CONTENTS :
DET. STAIR ON GRADE, RAMP & BEAM
DET. OF FOOTING, TIE BEAM & COLUMN

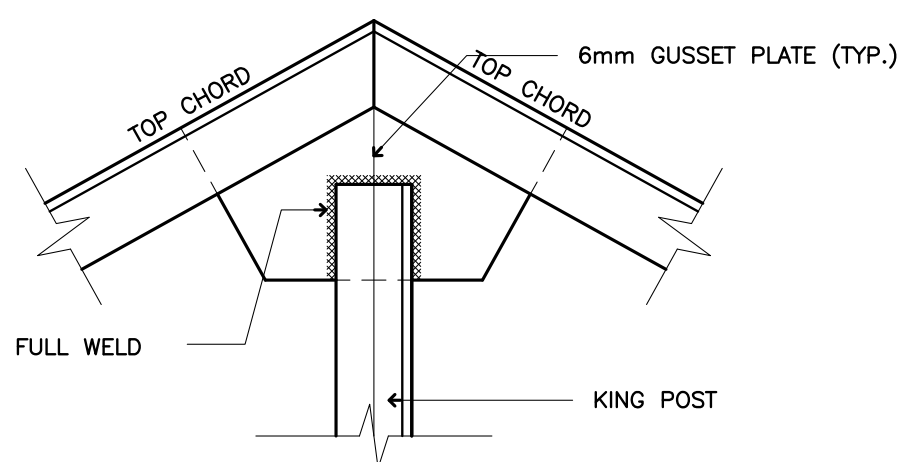
SHEET NO.:
S-3
4

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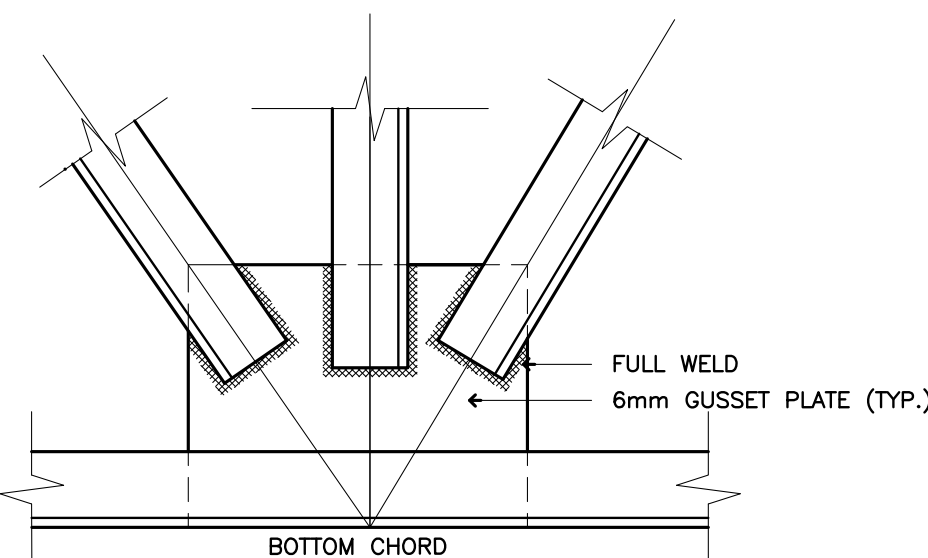
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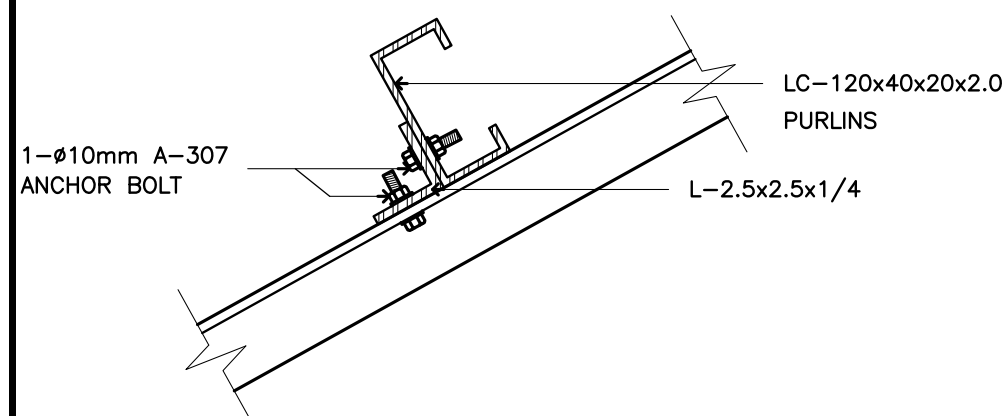
A
S-3 DETAIL OF T-1
SCALE 1 : 25 M



D
S-3 CONNECTION DETAIL
SCALE 1 : 5 M

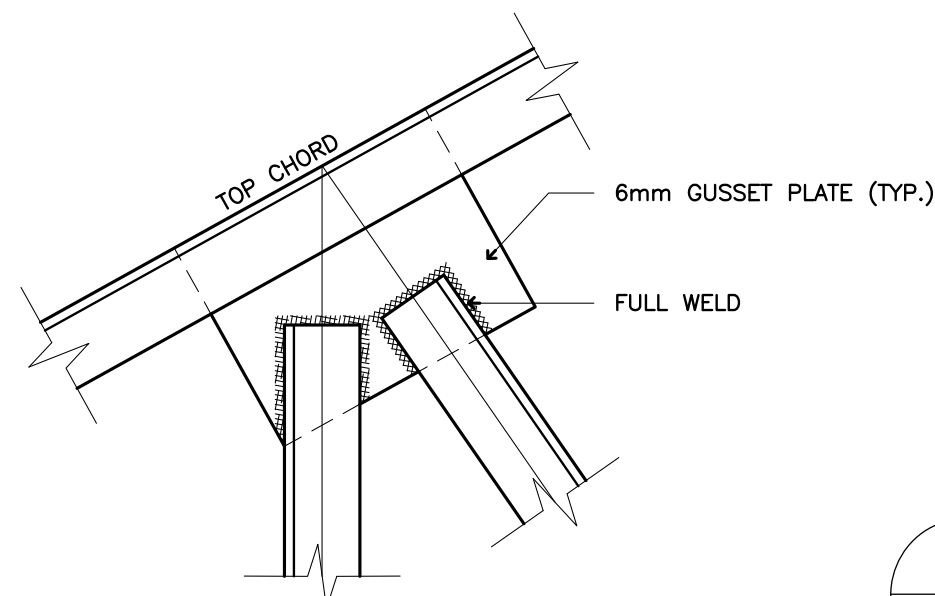


E
S-3 CONNECTION DETAIL
SCALE 1 : 5 M

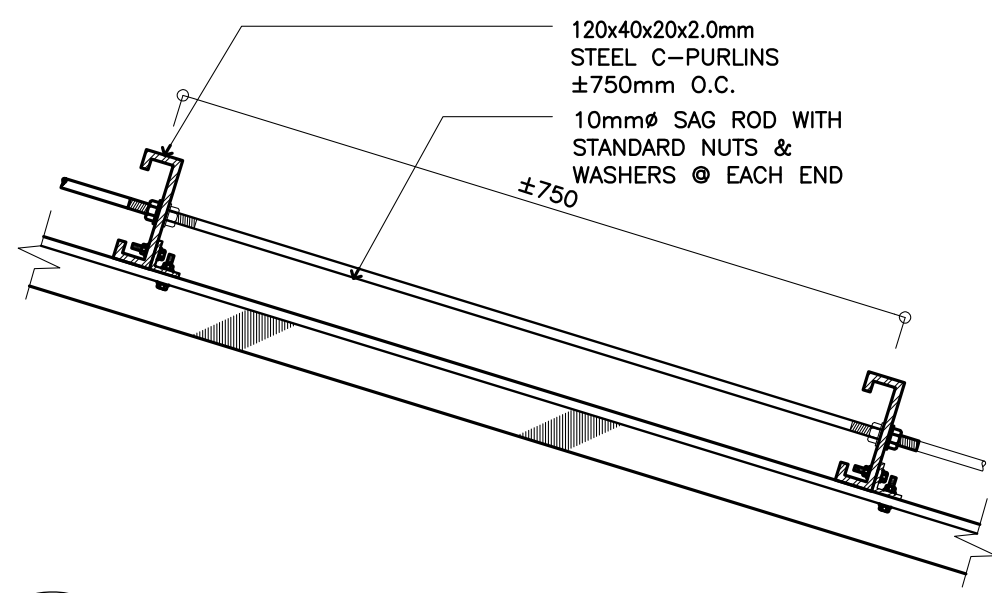


G
S-3 PURLIN CONNECTION DETAIL
SCALE 1 : 5 M

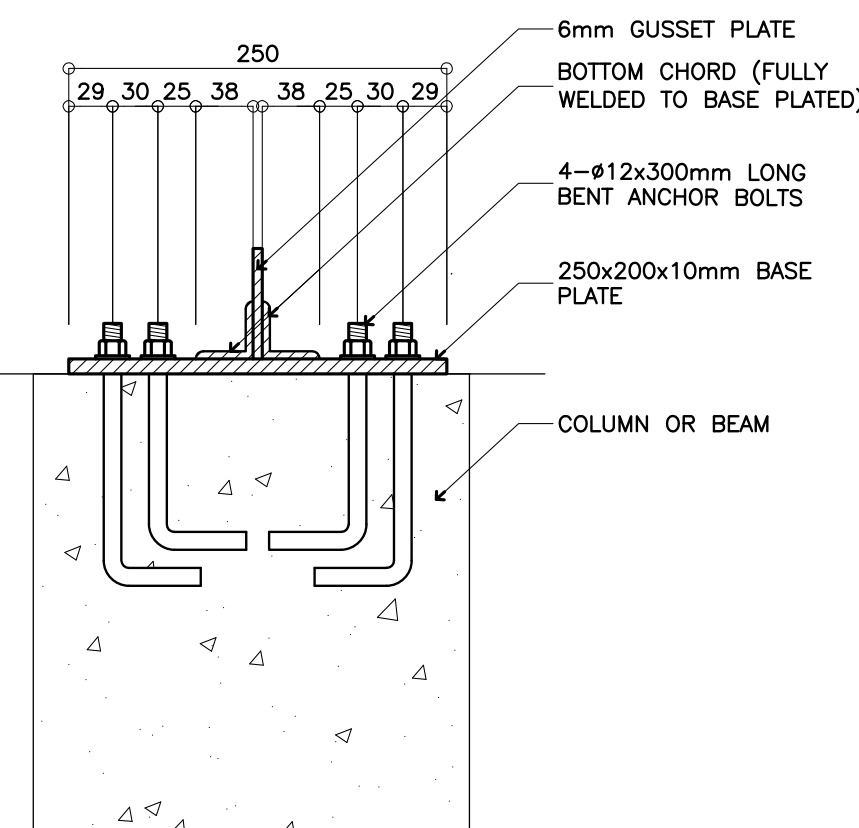
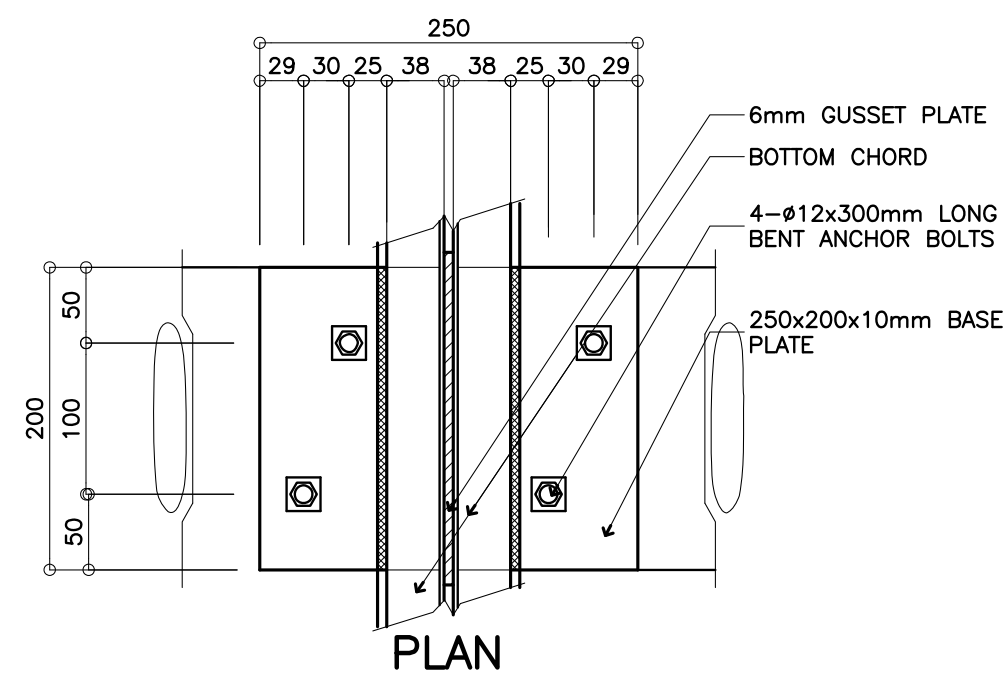
SCHEDULE OF TRUSS MEMBERS			
MARK	DESCRIPTION	QTY	SIZE
W-1	TOP & BOT. CHORDS	2L	2"x2"x1/4"
W-2	WEB MEMBERS	2L	2"x2"x3/16"



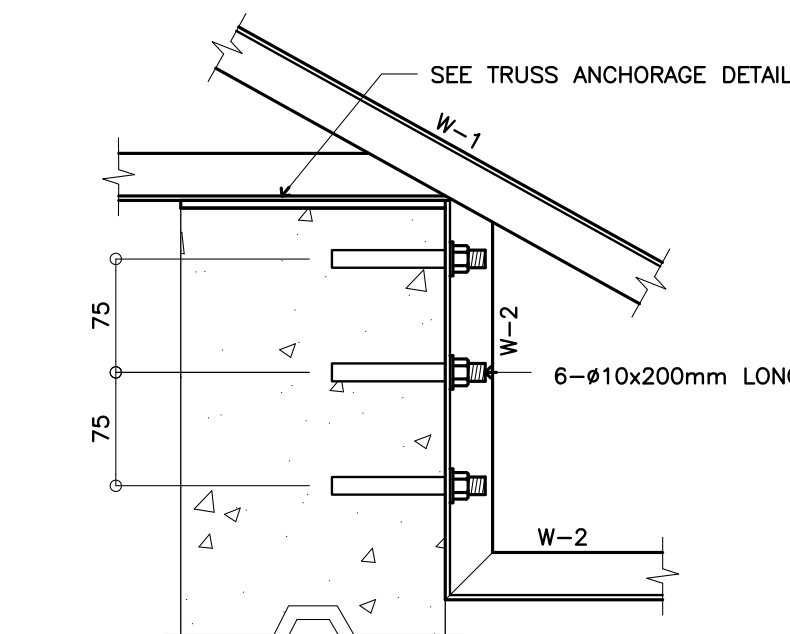
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S-3 CONNECTION DETAIL
SCALE 1 : 5 M



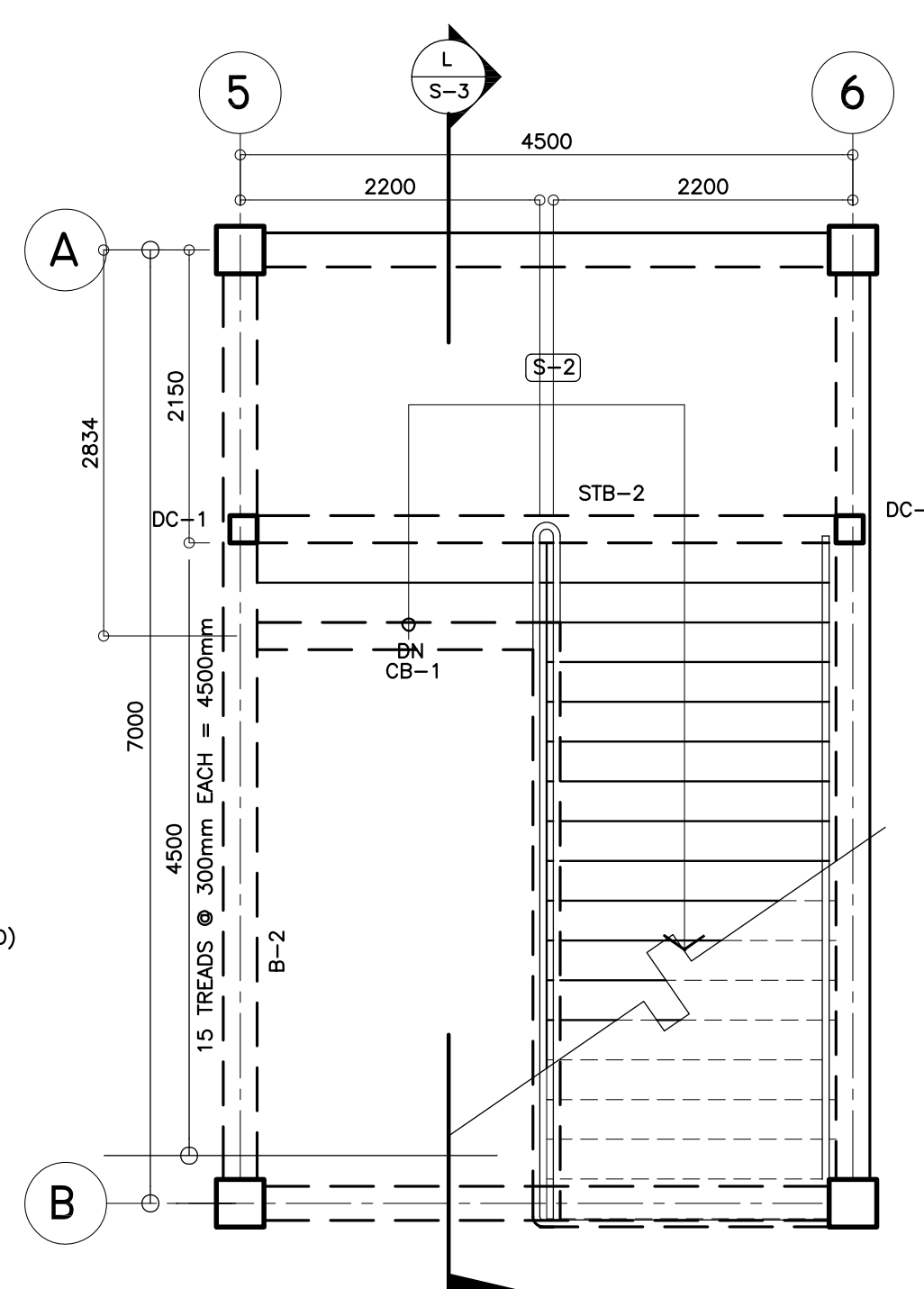
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S-3 SAG ROD CONNECTION DETAIL
SCALE 1 : 10 M



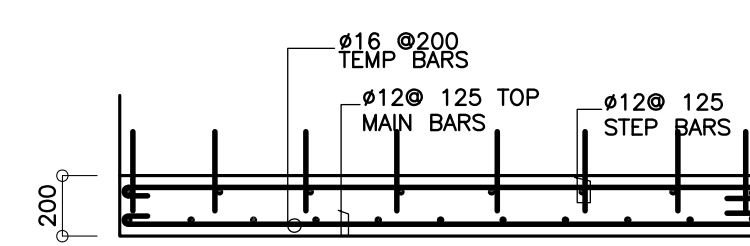
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S-3 TYPICAL TRUSS ANCHORAGE DETAIL
SCALE 1:5 M



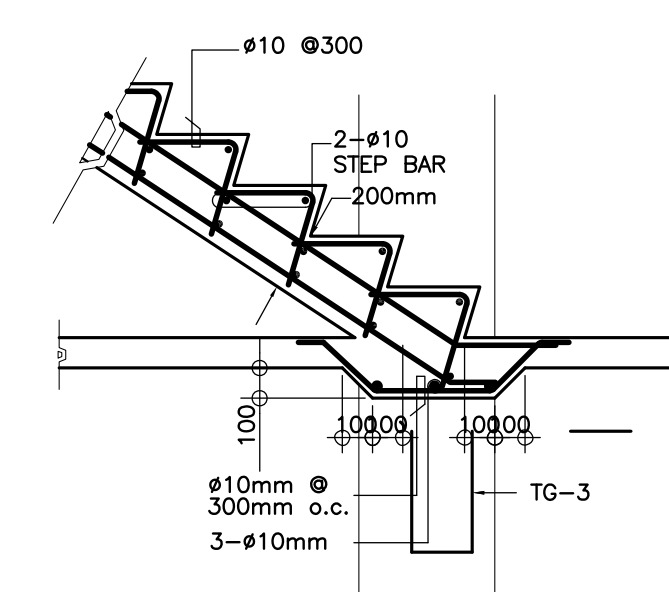
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S-3 HALF TRUSS CONNECTION DETAIL
SCALE 1 : 10 M



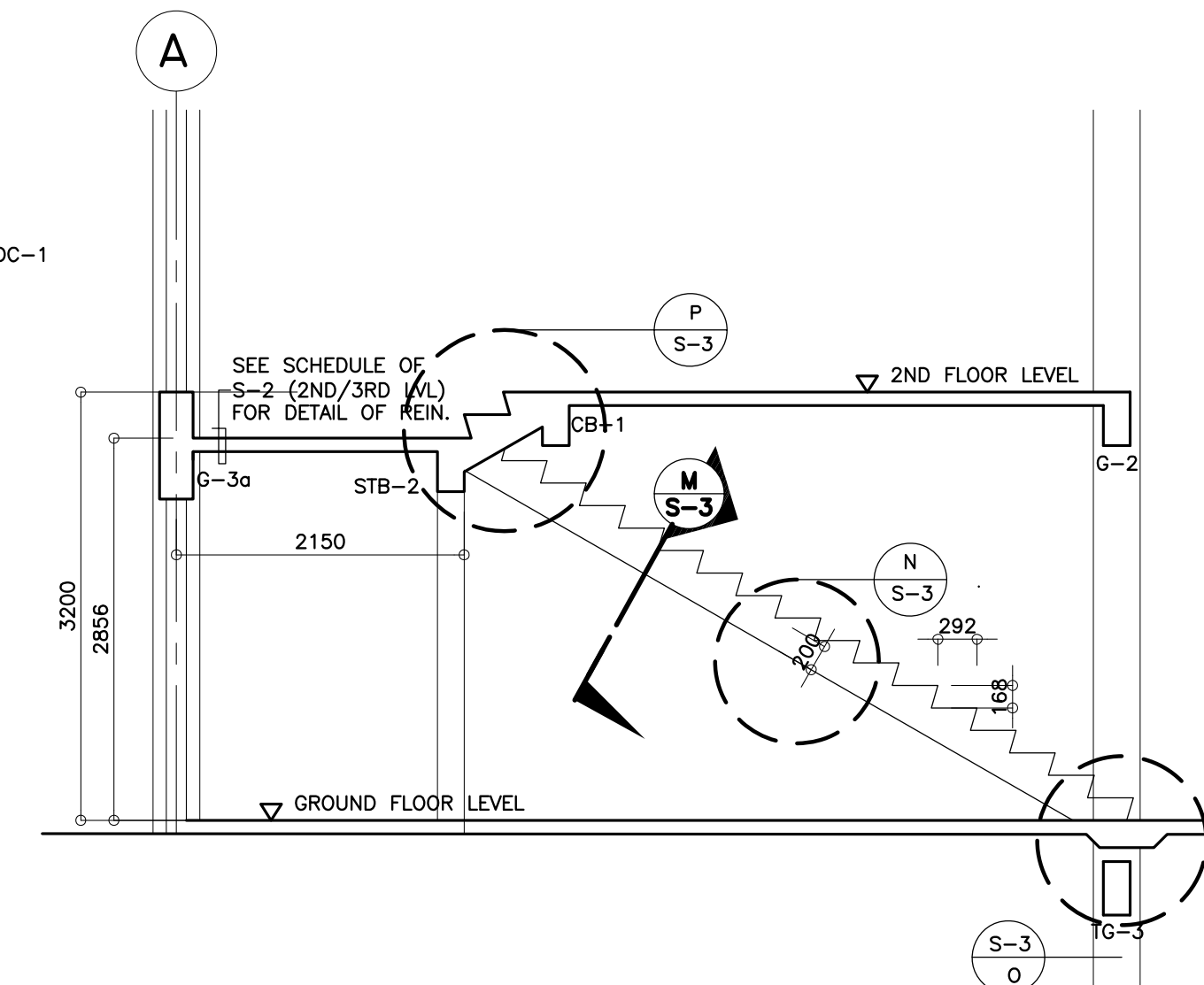
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S-3 STAIR FRAMING PLAN (TYP.)
SCALE 1:50 M



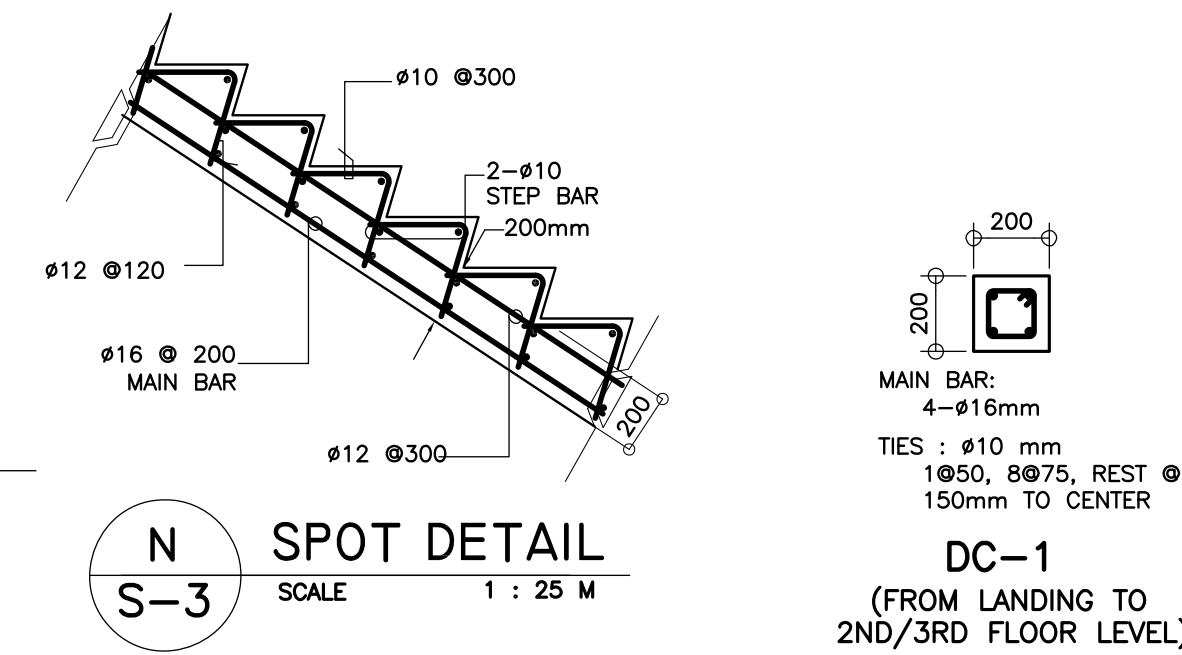
M
S-3 SECTION OF STAIR SLAB
SCALE 1:25 M



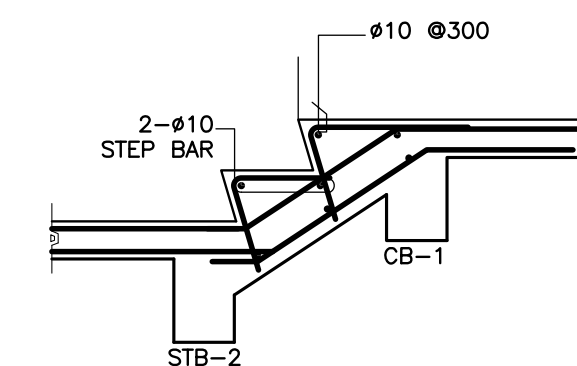
O
S-3 SPOT DETAIL
SCALE 1 : 25 M



L
S-3 STAIR SECTION DETAIL
SCALE 1:50 M



N
S-3 SPOT DETAIL
SCALE 1 : 25 M



P
S-3 SPOT DETAIL
SCALE 1 : 25 M

<p>REPUBLIC OF THE PHILIPPINES DEPARTMENT OF EDUCATION (DepEd) TASK FORCE ENGINEERING, ASSESSMENT AND MONITORING MERALCO AVENUE, PASIG CITY</p>	CONSULTANT / DESIGNER	REVIEWED BY:	RECOMMENDING APPROVAL:	APPROVED FOR ACCREDITATION:	CONCURRED:	PROJECT TITLE:	PROJECT NO:	OWNER:	SHEET NO:
	<p>ANTONIO M. MANIO CIVIL ENGINEER PRC NO. : 70071 TIN : 188-342-853 PTR NO. : DATE :</p>	<p>WILFREDO S. LOPEZ OIC, STRUCTURAL DIVISION BUREAU OF DESIGN, DPWH</p>	<p>SOPHIA T. SANTIAGO OIC, DIRECTOR III BUREAU OF DESIGN, DPWH</p>	<p>GILBERTO S. REYES OIC, DIRECTOR IV BUREAU OF DESIGN, DPWH</p>	<p>RAMON C. BACANI UNDERSECRETARY DEPARTMENT OF EDUCATION (DepEd)</p>	<p>TWO STOREY SIX CLASSROOM G.I. ROOF SCHOOL BUILDING</p>	<p>DESIGNED BY: ENCODED BY: Max C. CHECKED BY: DATE : 08/06/2004</p>	<p>DEPARTMENT OF EDUCATION DepEd</p>	<p>S-4 4</p>

THE REVIEW & APPROVAL OF THIS PLANS BY THE DPWH DOES NOT RELIEVE THE DESIGNER/CONSULTANT FROM RESPONSIBILITY FOR THE SAFETY OF THE COMPLETED FACILITIES AS WELL AS FOR THE FAILURE OF THE SAME DUE TO FAULTY DESIGN.

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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 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 15mmD 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 – 1.50 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

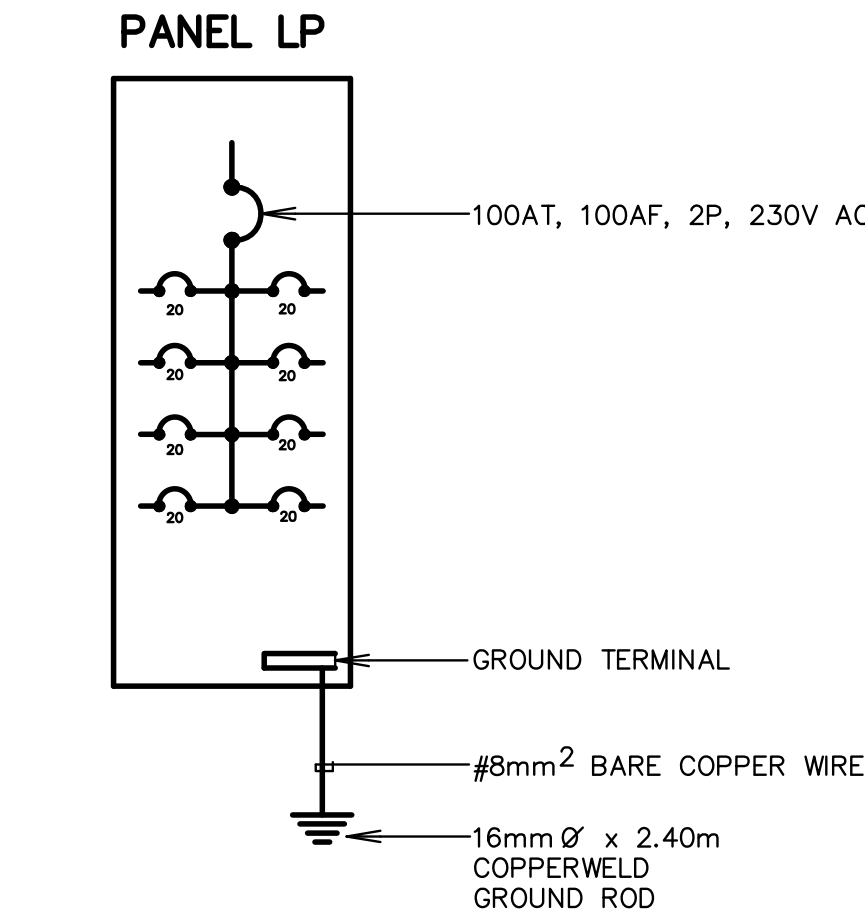
f. FIRE ALARM & VIBRATING BELL – 0.30 M BELOW CEILING LINE

LEGEND

SYMBOL	DESCRIPTION
	– CEILING LIGHT OUTLET
	– 2 x 40 WATTS FLUORESCENT LAMP
	– CEILING FAN OUTLET
S/Sa	– ONE GANG DEVICE SWITCH
Sab	– TWO GANG DEVICE SWITCH
Scde	– THREE GANG DEVICE SWITCH
S3W	– THREE WAY DEVICE SWITCH
Sf	– FAN CONTROL SWITCH
SEF	– 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

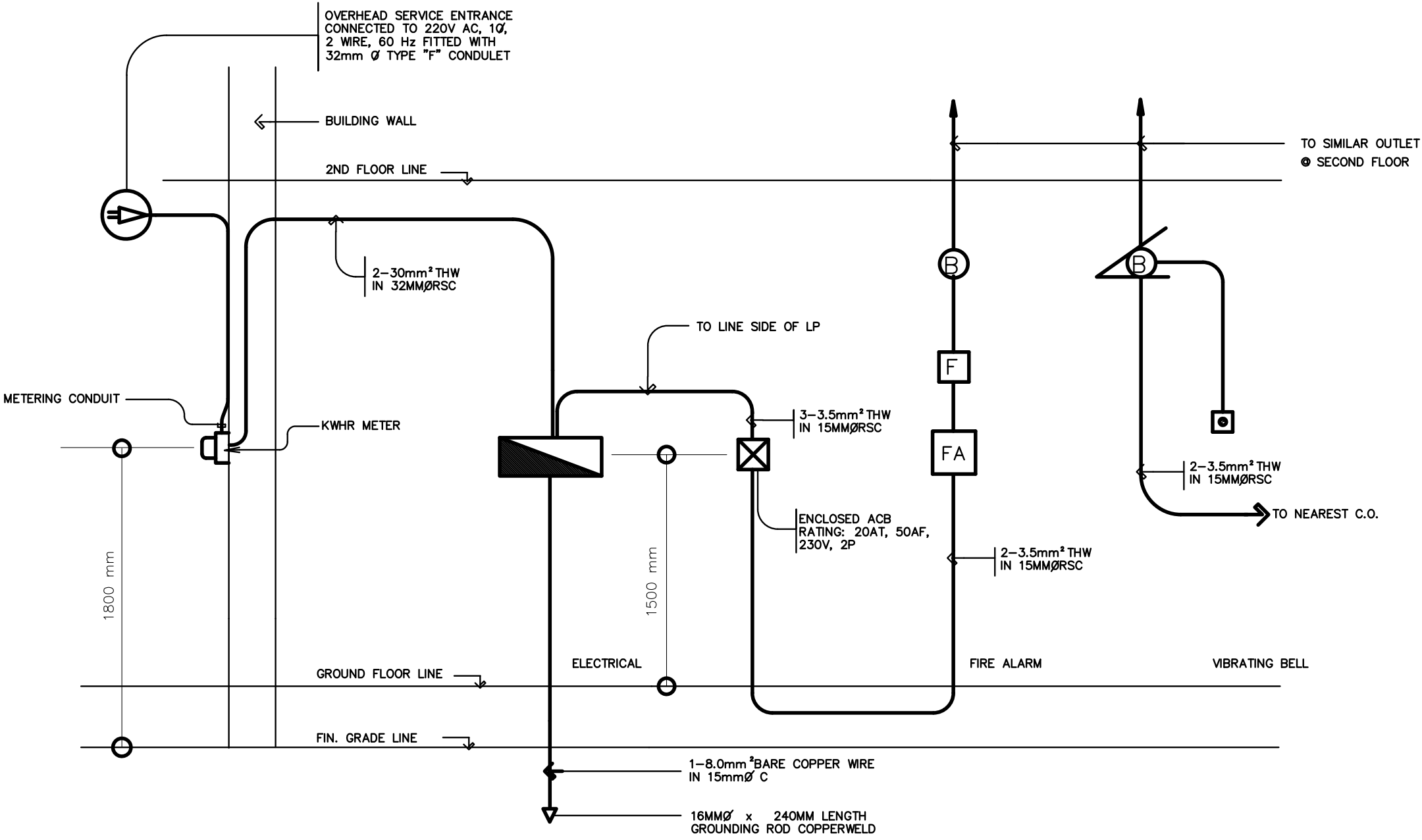
LOAD SCHEDULE

PANELBOARD: LP			MAIN : 100AT, 100AF, 2P, 230V				
CKT. NO.	DESCRIPTION	VA LOAD	CIRCUIT BREAKER				WIRE & CONDUIT SIZE
			VOLT	POLE	A T	A F	
1	CONV. OUTLET – 9 x 180W	1620	230	2	20	50	3–3.5mm ² THW IN 15mm Ø C
2	CONV. OUTLET – 9 x 180W	1620	230	2	20	50	3–3.5mm ² THW IN 15mm Ø C
3	LIGHT OUTLET – 7 x 100W EXHAUST FAN OUTLET – 1 x 180W	880	230	2	20	50	3–3.5mm ² THW IN 15mm Ø C
4	LIGHT OUTLET – 15 x 100W	1500	230	2	20	50	3–3.5mm ² THW IN 15mm Ø C
5	LIGHT OUTLET – 10 x 100W	1000	230	2	20	50	3–3.5mm ² THW IN 15mm Ø C
6	LIGHT OUTLET – 10 x 100W	1000	230	2	20	50	3–3.5mm ² THW IN 15mm Ø C
7	S P A R E	1500	230	2	20	50	_____
8	S P A R E	1500	230	2	20	50	_____
TOTAL		10620					
<div>IL @ 80% D.F. = $\frac{10620 \times 80\%}{230 \text{ V}}$ x 1.25 = 46.2 A</div> <div>FEEDER: 2–30mm² THW IN 32mmØ C</div> <div>PROTECTION: 100 AT, 100 AF, 2P, 230 V</div>							



SINGLE LINE DIAGRAM

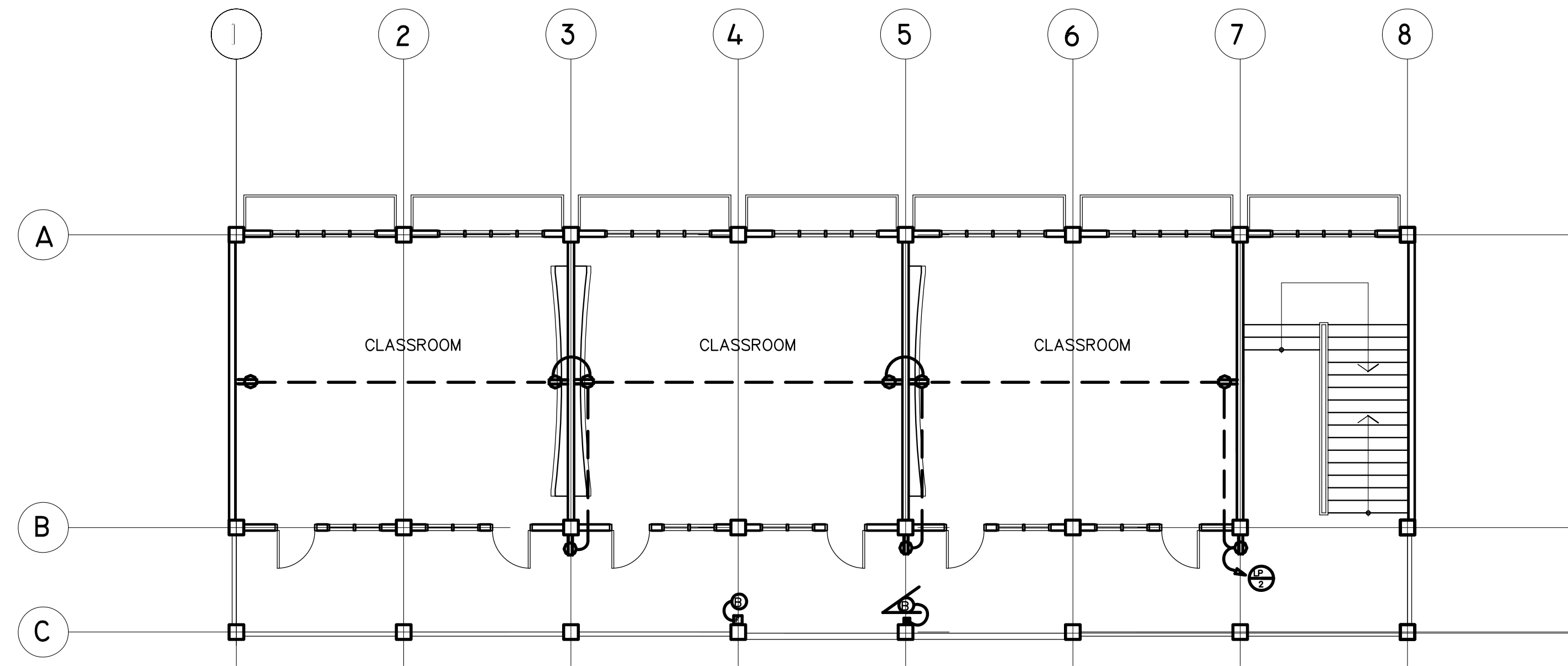
NOT TO SCALE



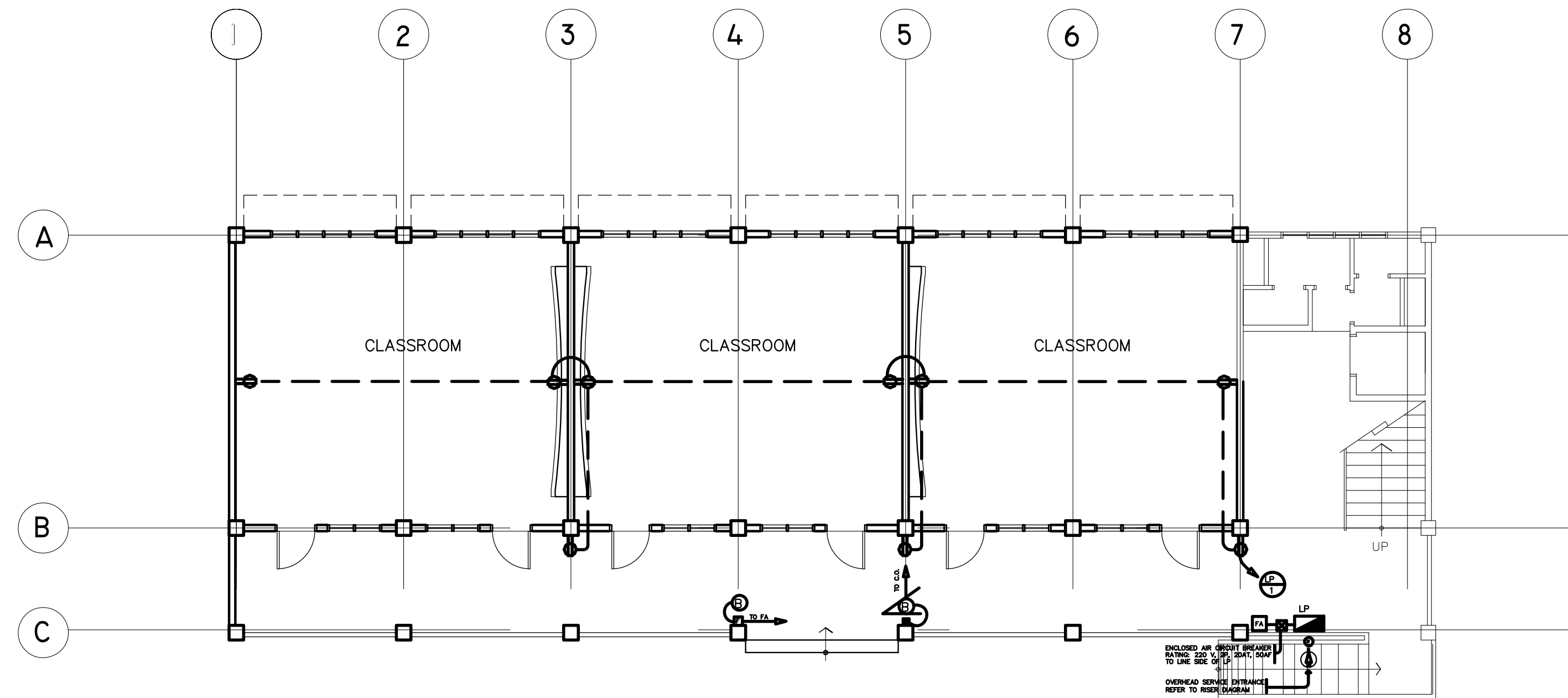
RISER DIAGRAM

NOT TO SCALE

<div>REPUBLIC OF THE PHILIPPINES DEPARTMENT OF EDUCATION (DepED) TASK FORCE ENGINEERING, ASSESSMENT AND MONITORING MERALCO AVENUE, PASIG CITY</div>	CONSULTANT / DESIGNER	REVIEWED BY:	RECOMMENDING APPROVAL :	APPROVED FOR ACCREDITATION :	CONCURRED :	PROJECT TITLE :	PROJECT NO: 99–013	OWNER :	SHEET NO:
	<div>VENERANDO D. SAGUN ENGINEER III</div>	<div>FE M. BARRIENTOS CHIEF, ELECTRICAL DIVISION BUREAU OF DESIGN, DPWH</div>	<div>SOPIA T. SANTIAGO OIC, DIRECTOR III BUREAU OF DESIGN, DPWH</div>	<div>GILBERTO S. REYES OIC, DIRECTOR IV BUREAU OF DESIGN, DPWH</div>	<div>RAMON C. BACANI UNDERSECRETARY DEPARTMENT OF EDUCATION (DepED)</div>	TWO STOREY SIX CLASSROOM G.I. ROOF SCHOOL BUILDING	DESIGNED BY: RDS	DEPARTMENT OF EDUCATION DepED	<div>E-1</div> <div>3</div>
	PRC NO. : PTR NO. : TIN : DATE :					LOCATION :	ENCODED BY: RDS C.	SHEET CONTENTS : GENERAL NOTES SINGLE LINE DIAGRAM	
							CHECKED BY: DATE : 05/09/2004	LOAD SCHEDULE LEGEND RISER DIAGRAM	



SECOND FLOOR POWER LAYOUT
SCALE 1 : 100 M



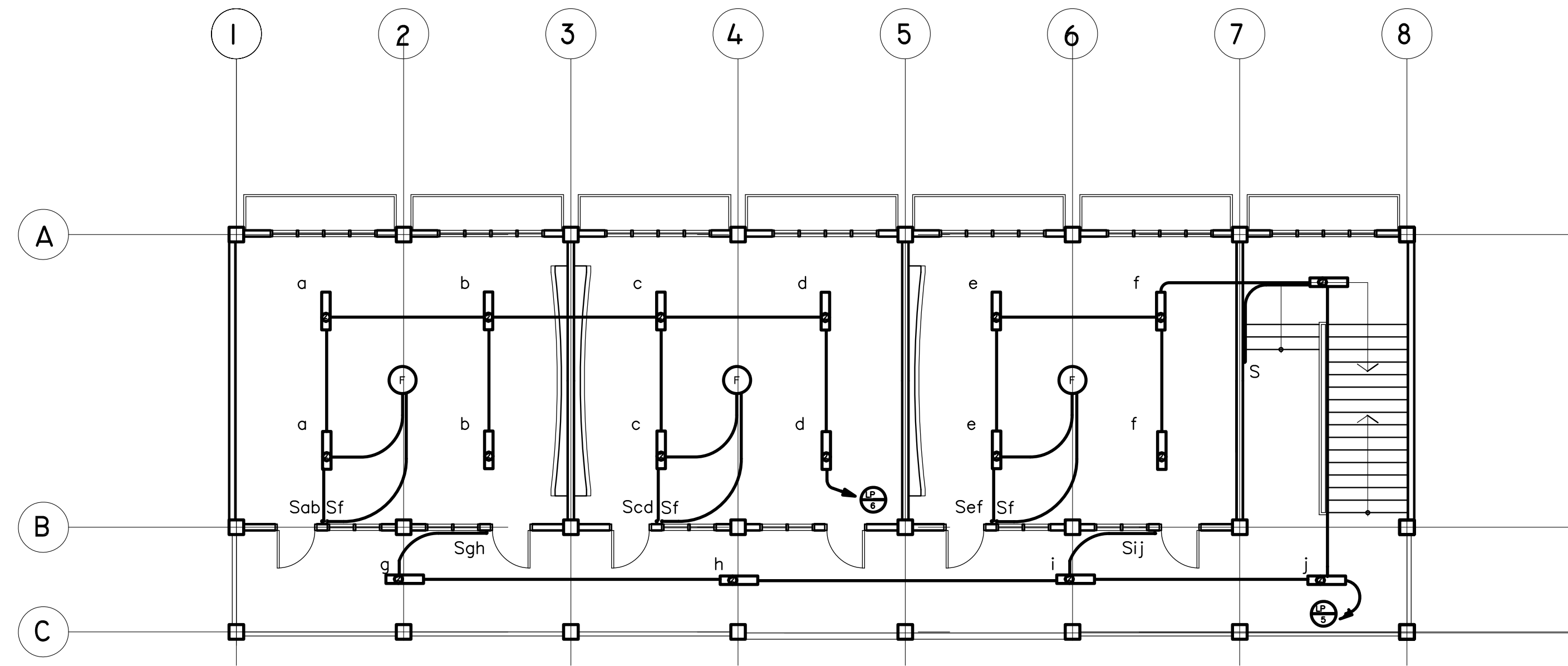
GROUND FLOOR POWER LAYOUT
SCALE 1 : 100 M

<p>REPUBLIC OF THE PHILIPPINES DEPARTMENT OF EDUCATION (DepED) TASK FORCE ENGINEERING, ASSESSMENT AND MONITORING MERALCO AVENUE, PASIG CITY</p>	<p>CONSULTANT / DESIGNER VENERANDO D. SAGUN ENGINEER III PRC NO. : _____ TIN : _____ PTR NO. : _____ DATE : _____</p>	<p>REVIEWED BY: FE M. BARRIENTOS CHIEF, ELECTRICAL DIVISION BUREAU OF DESIGN, DPWH</p>	<p>RECOMMENDING APPROVAL : SOPHIA T. SANTIAGO OIC, DIRECTOR III BUREAU OF DESIGN, DPWH</p>	<p>APPROVED FOR ACCREDITATION : GILBERTO S. REYES OIC, DIRECTOR IV BUREAU OF DESIGN, DPWH</p>	<p>CONCURRED : RAMON C. BACANI UNDERSECRETARY DEPARTMENT OF EDUCATION (DepED)</p>	<p>PROJECT TITLE : TWO STOREY SIX CLASSROOM G.I. ROOF SCHOOL BUILDING LOCATION :</p>	<p>PROJECT NO: 099-017 DESIGNED BY: RDS ENGINEERED BY: RDS CHECKED BY: RDS DATE: 06/06/2004</p>	<p>OWNER : DEPARTMENT OF EDUCATION DepED SHEET CONTENTS : GROUND FLOOR POWER LAYOUT SECOND FLOOR POWER LAYOUT</p>	<p>SHEET NO: E-2 3</p>
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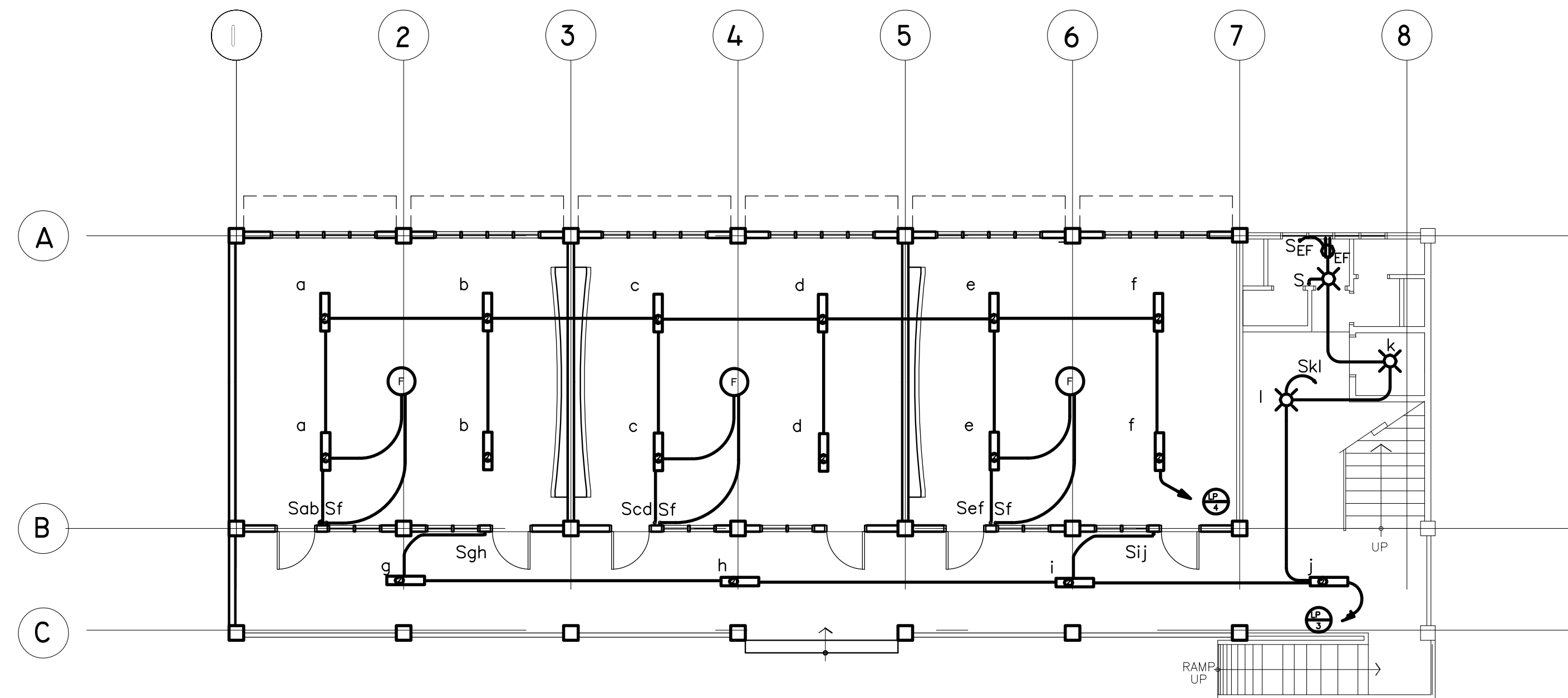
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SECOND FLOOR LIGHTING LAYOUT

SCALE 1 : 100 M



GROUND FLOOR LIGHTING LAYOUT

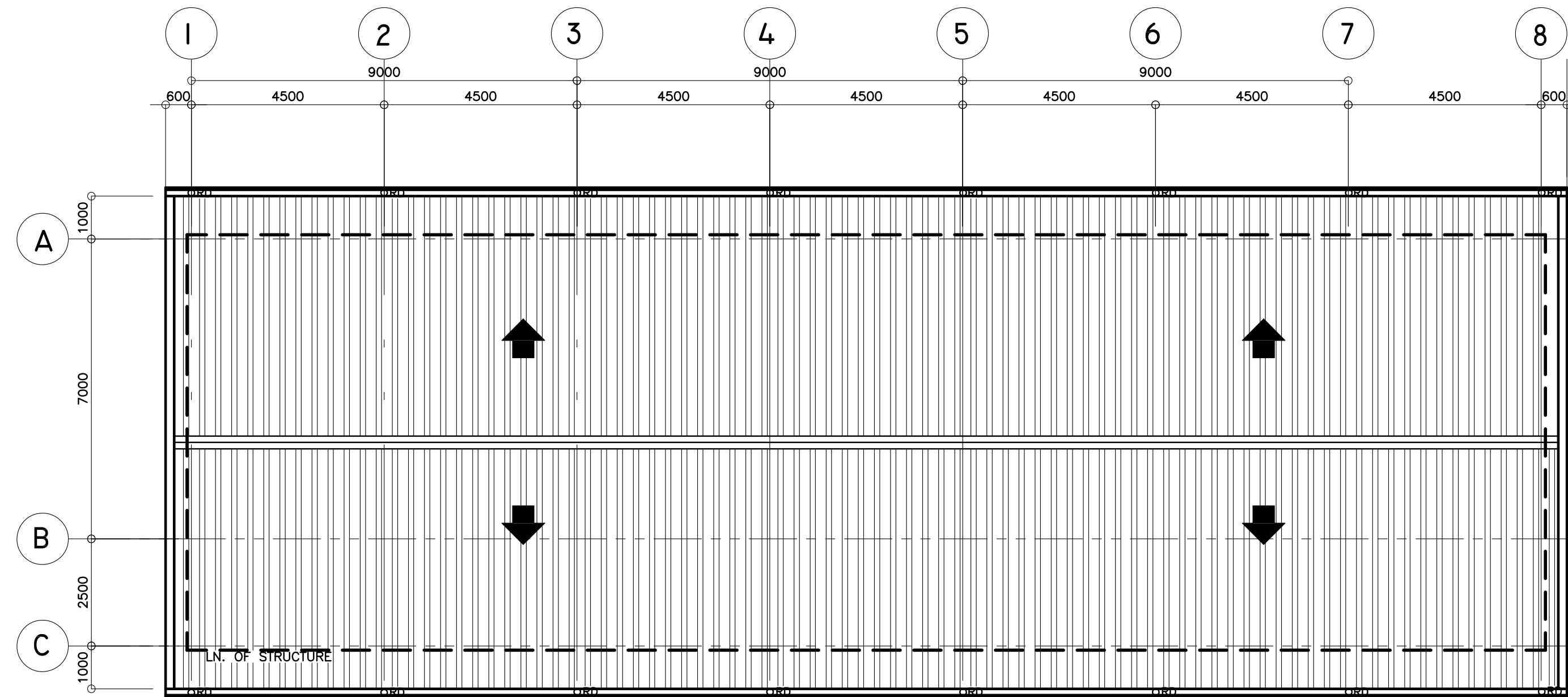
SCALE 1 : 100 M

<p>REPUBLIC OF THE PHILIPPINES DEPARTMENT OF EDUCATION (DepED) TASK FORCE ENGINEERING, ASSESSMENT AND MONITORING MERALCO AVENUE, PASIG CITY</p>	<p>CONSULTANT / DESIGNER VENERANDO D. SAGUN ENGINEER III PRC NO. : _____ TIN : _____ PTR NO. : _____ DATE : _____</p>	<p>REVIEWED BY: FE M. BARRIENTOS CHIEF, ELECTRICAL DIVISION BUREAU OF DESIGN, DPWH</p>	<p>RECOMMENDING APPROVAL : SOPIA T. SANTIAGO OIC, DIRECTOR III BUREAU OF DESIGN, DPWH</p>	<p>APPROVED FOR ACCREDITATION : GILBERTO S. REYES OIC, DIRECTOR IV BUREAU OF DESIGN, DPWH</p>	<p>CONCURRED : RAMON C. BACANI UNDERSECRETARY DEPARTMENT OF EDUCATION (DepED)</p>	<p>PROJECT TITLE : TWO STOREY SIX CLASSROOM G.I. ROOF SCHOOL BUILDING LOCATION :</p>	<p>PROJECT NO. : 09-017 DESIGNED BY : BRS CHECKED BY : BRS DATE : 06/06/2004</p>	<p>OWNER : DEPARTMENT OF EDUCATION DepED SHEET CONTENTS : GROUND FLOOR LIGHTING LAYOUT SECOND FLOOR LIGHTING LAYOUT</p>	<p>SHEET NO.: E-3 3</p>
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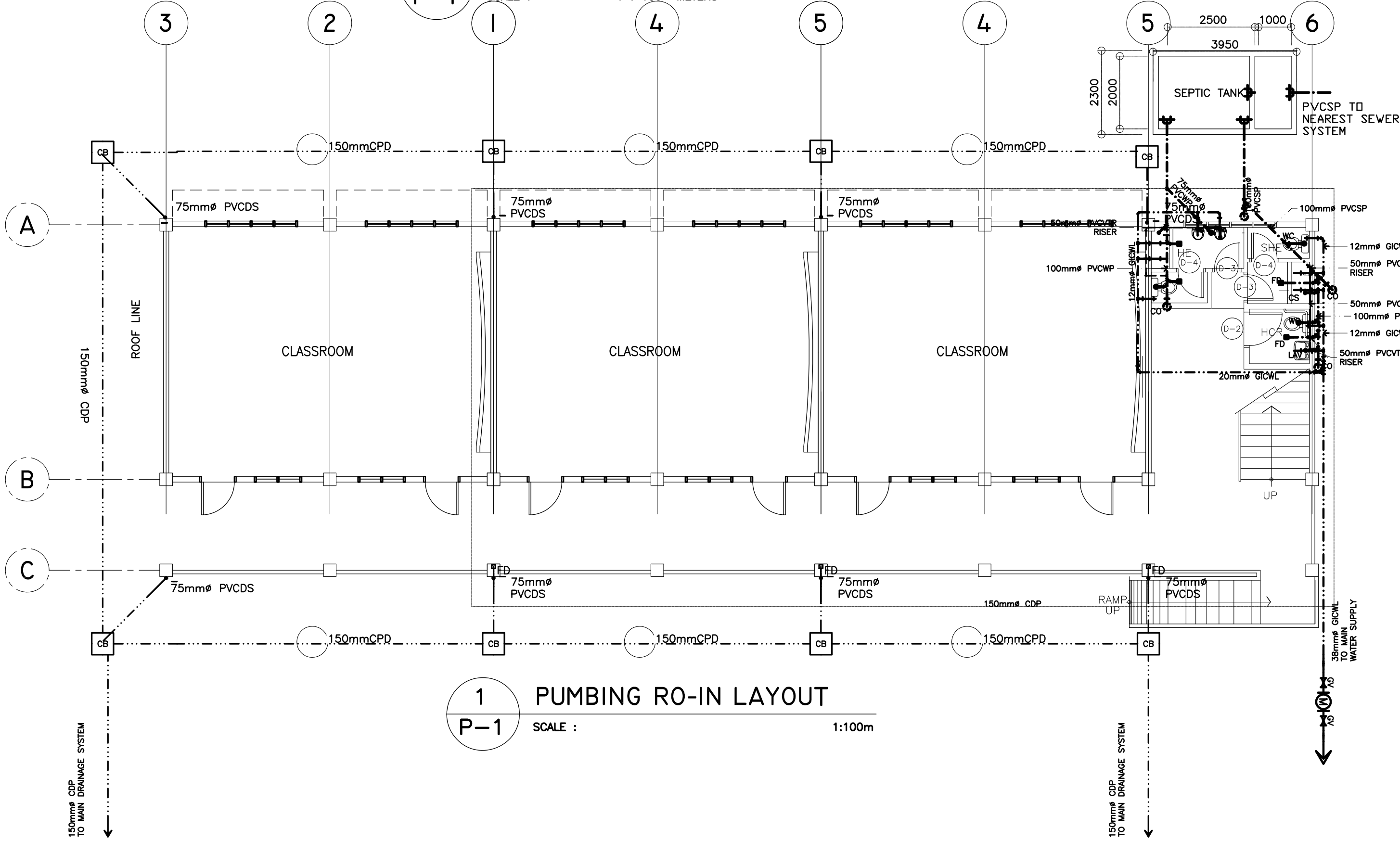
THE REVIEW & APPROVAL OF THIS PLANS BY THE DPWH DOES NOT RELIEVE THE DESIGNER/CONSULTANT FROM RESPONSIBILITY FOR THE SAFETY OF THE COMPLETED FACILITIES AS WELL AS FOR THE FAILURE OF THE SAME DUE TO FAULTY DESIGN.

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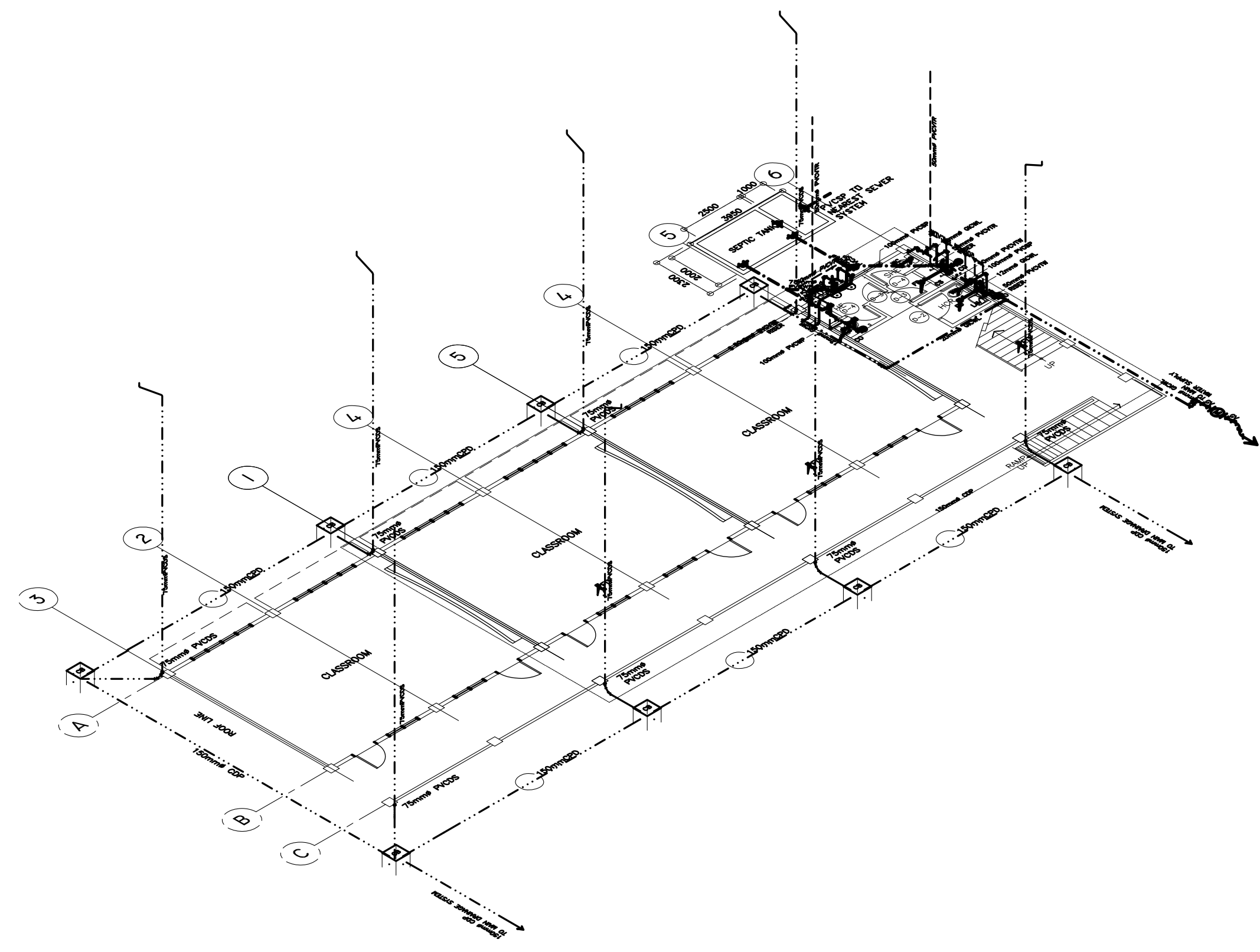
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2 ROOF DRAIN LAYOUT
P-1 SCALE : 1 : 100 METERS



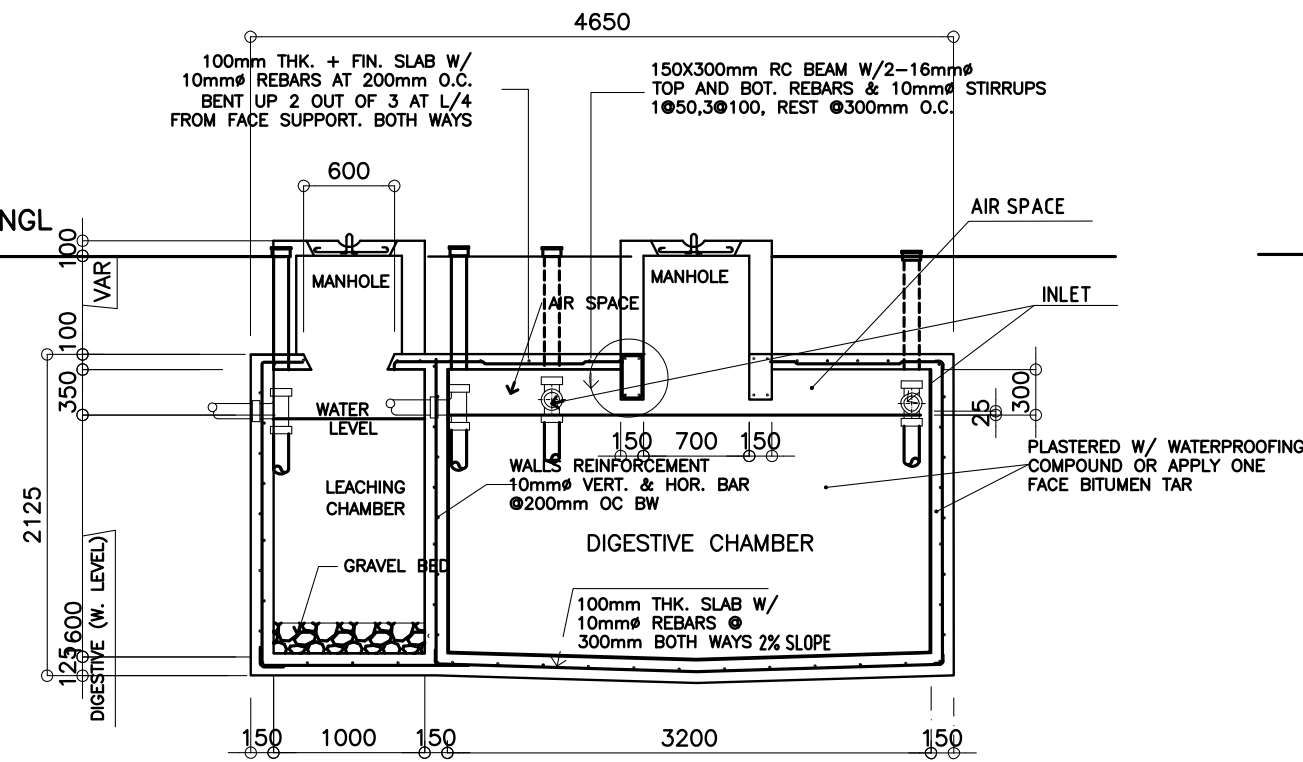
1 PUMING RO-IN LAYOUT
P-1 SCALE : 1:100m



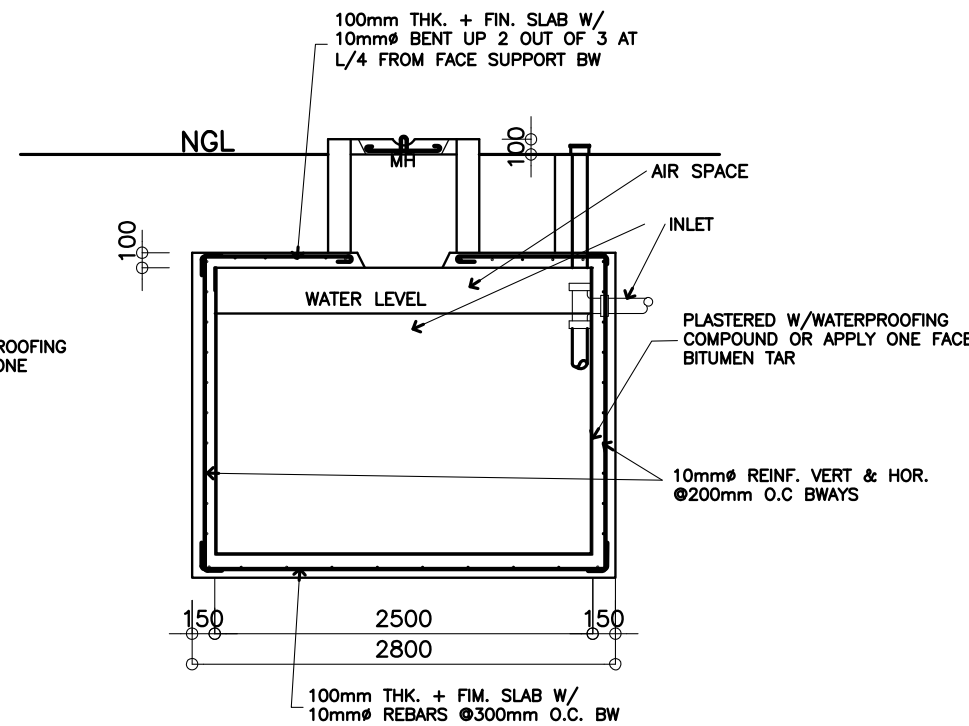
3 ISOMETRIC VIEW
P-1 SCALE : N T S

<p>REPUBLIC OF THE PHILIPPINES DEPARTMENT OF EDUCATION (DepED) TASK FORCE ENGINEERING, ASSESSMENT AND MONITORING MERALCO AVENUE, PASIG CITY</p>	<p>CONSULTANT / DESIGNER ELIAS MELQUIADES ENRIE G. CUBA II SANITARY ENGINEER PRC NO. : TIN : PTR NO. : DATE :</p>	<p>REVIEWED BY: EMMANUEL P. GANTAPAY CHIEF, ARCHITECTURAL DIVISION BUREAU OF DESIGN, DPWH</p>	<p>RECOMMENDING APPROVAL : SOPHIA T. SANTIAGO OIC, DIRECTOR III BUREAU OF DESIGN, DPWH</p>	<p>APPROVED FOR ACCREDITATION : GILBERTO S. REYES OIC, DIRECTOR IV BUREAU OF DESIGN, DPWH</p>	<p>CONCURRED : RAMON C. BACANI UNDERSECRETARY DEPARTMENT OF EDUCATION (DepED)</p>	<p>PROJECT TITLE : TWO STOREY SIX CLASSROOM G.I. ROOF SCHOOL BUILDING LOCATION :</p>	<p>PROJECT NO.: DESIGNED BY: ENCODED BY: Max C. CHECKED BY: DATE : 06/06/2004</p>	<p>OWNER : DEPARTMENT OF EDUCATION DepED SHEET CONTENTS : PLUMBING RO-IN LAYOUT, ROOF DRAIN LAYOUT, ISOMETRIC VIEW</p>	<p>SHEET NO.: P-1 2</p>
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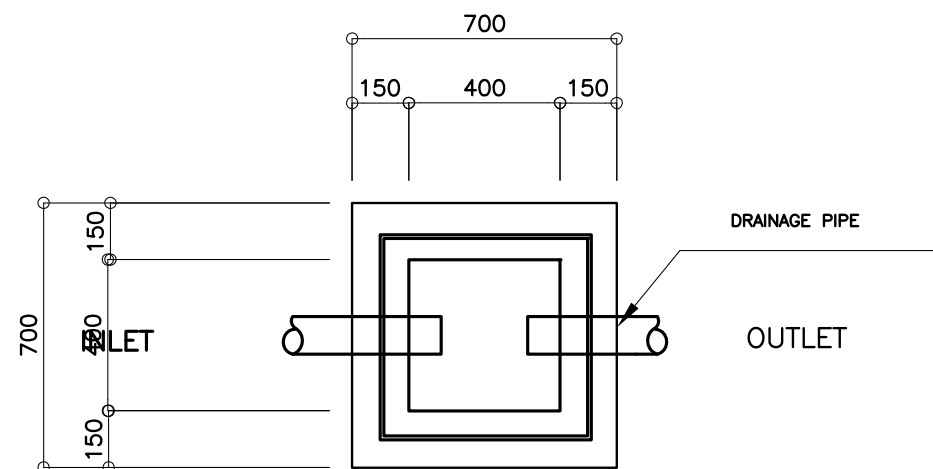
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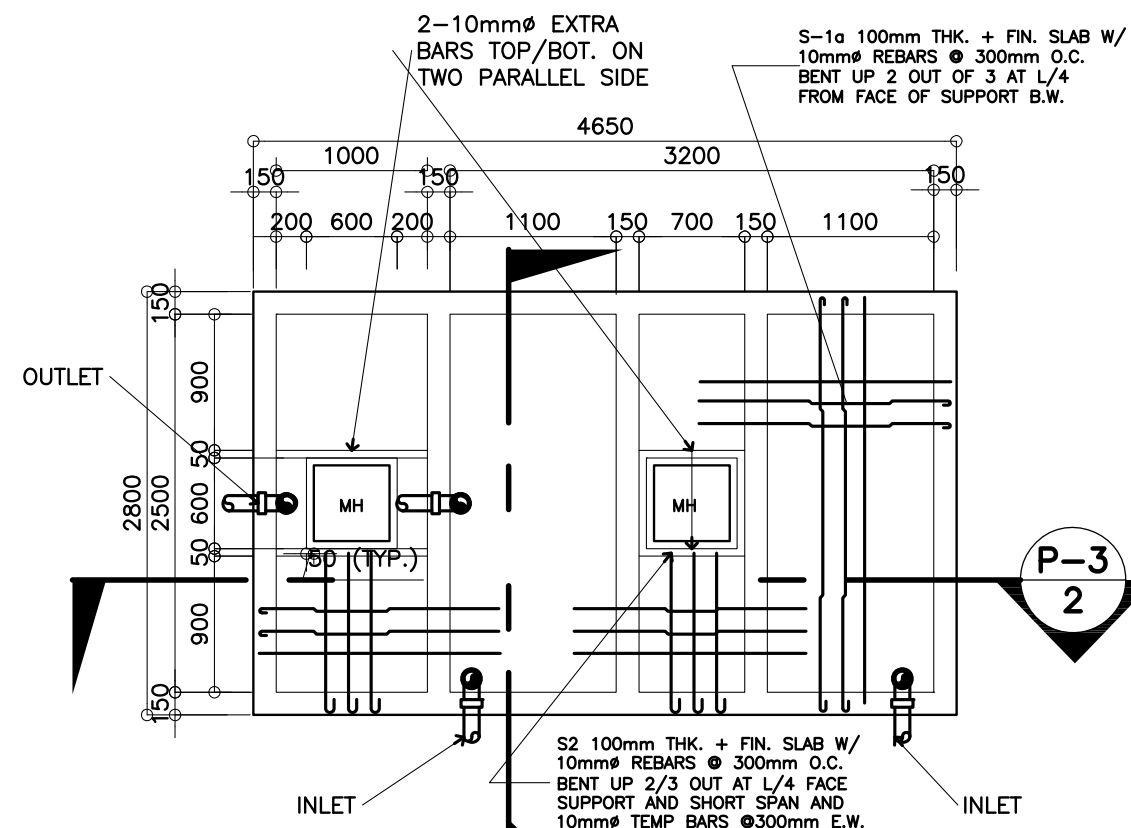
2 SECTION DETAIL
P-3 SCALE : 1:50 Mts.



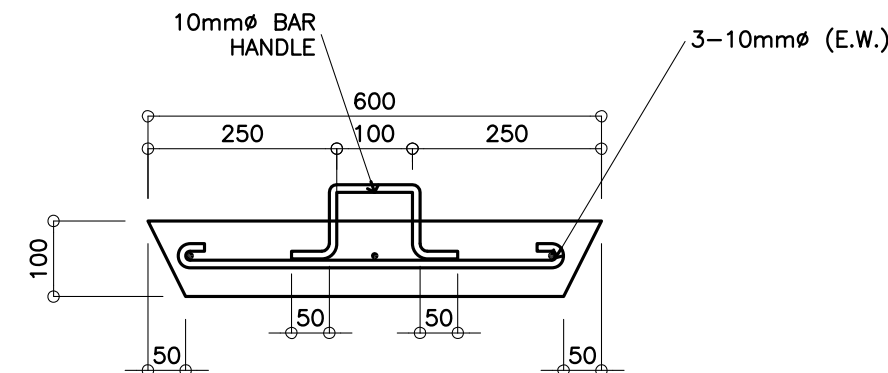
3 SECTION DETAIL
P-3 SCALE : 1:50 Mts.



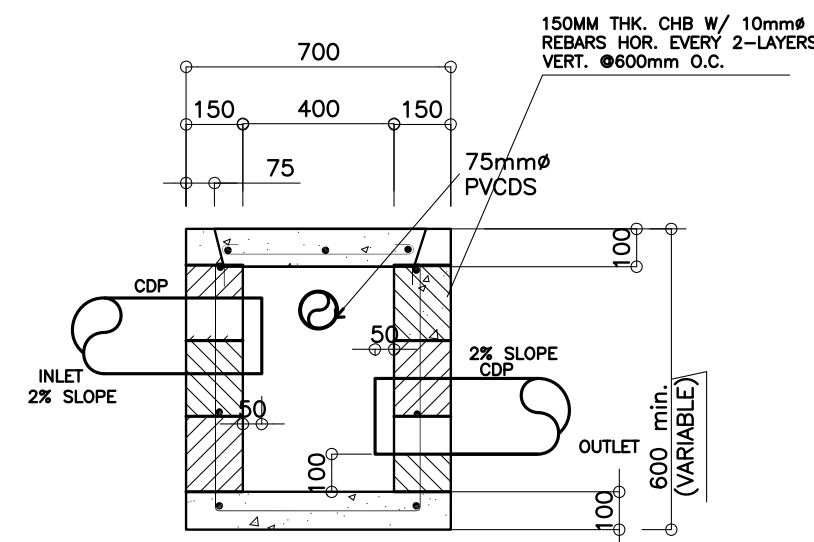
5a DETAIL PLAN
P-3 SCALE : 1:20 M



1 SEPTIC TANK DETAIL
P-3 SCALE : 1:50 Mts.



4 MANHOLE DET. SECTION
P-3 SCALE : 1:10 Mts.



5b DETAIL SECTION
P-3 SCALE : 1:20 M

5 CATCH BASIN DETAIL SECTION
P-3 SCALE : 1:20 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
PVCD	POLYVINYL CHLORIDE DOWNSPOUT
PVCDP	POLYVINYL CHLORIDE DRAIN PIPE
PVCD	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:

- GRADES OF HORIZONTAL PIPINGS
RUN ALL HORIZONTAL PIPINGS IN PERFECT ALIGNMENT AND AT A FORM GRADE NOT LESS THAN TWO PERCENT (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-EIGHT 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.
- PIPE CLEAN-OUTS
CLEAN-OUTS ARE REQUIRED UNDER THE FOLLOWING CONDITIONS:
a) EVERY CHANGE OF HORIZONTAL DIRECTION EXCEEDING TWENTY TWO AND 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.
- 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 VAULT ROOF SLAB.
- 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 CONTRACTOR.

DESIGN CRITERIA

- LIVE LOAD _____ 1000Pa
- ALLOWABLE STRESSES
 - CONCRETE
 - FOR FOOTING, BEAMS AND SLABS
f_c' = 20 MPa
 - CONCRETE MASONRY UNITS (LOAD BEARING CHB)
f_m' = 6.90 MPa; f_m = 2.41 MPa
 - REINFORCING STEEL BARS
FOR BARS SMALLER THAN 16mmø
f_y = 230 MPa
 - ASSUMED ALLOWABLE BEARING CAPACITY Y = 100KPa

NOTE:

- WATER TABLE IS 1500 BELOW GROUND LEVEL.

<p>REPUBLIC OF THE PHILIPPINES DEPARTMENT OF EDUCATION (DepED) TASK FORCE ENGINEERING, ASSESSMENT AND MONITORING MERALCO AVENUE, PASIG CITY</p>	CONSULTANT / DESIGNER ELIAS MELQUINES ENRIE B. CUBA II SANITARY ENGINEER PRC NO. : PTR NO. : TIN : DATE :	REVIEWED BY: EMMANUEL R. CONTAPAY CHIEF, ARCHITECTURAL DIVISION BUREAU OF DESIGN, DPWH	RECOMMENDING APPROVAL : SOPIA T. SANTIAGO OIC, DIRECTOR III BUREAU OF DESIGN, DPWH	APPROVED FOR ACCREDITATION : GILBERTO S. REYES OIC, DIRECTOR IV BUREAU OF DESIGN, DPWH	CONCURRED : RAMON C. BACANI UNDERSECRETARY DEPARTMENT OF EDUCATION (DepED)	PROJECT TITLE : TWO STOREY SIX CLASSROOM G.I. ROOF SCHOOL BUILDING LOCATION :	PROJECT NO.: DESIGNED BY: ENCODED BY: Max C. CHECKED BY: DATE : 08/06/2004	OWNER : DEPARTMENT OF EDUCATION DepED SHEET CONTENTS : SEPTIC TANK, CATCH BASIN DETAIL, LEGEND, NOTES & DESIGN CRITERIA	SHEET NO.: P-2 2

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