



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
**NORTHERN SAMAR 2ND
DISTRICT ENGINEERING OFFICE**
BRGY. BURABUD, LAOANG, NORTHERN SAMAR, REGION VIII

C.Y. 2025 PROJECTS
DETAILED ENGINEERING DESIGN FOR
**CONSTRUCTION OF MODIFIED DEPED-DPWH STANDARD
ONE (1)-STOREY THREE (3) CLASSROOM SCHOOL BUILDING
AT MARUBAY NATIONAL HIGH SCHOOL,
BARANGAY MARUBAY, LAOANG, NORTHERN SAMAR
LAOANG, NORTHERN SAMAR**

SUBMITTED

FIONA A. AMUNCIADO
CHIEF, PLANNING & DESIGN SECTION

DATE

21 MAY 2025

RECOMMENDED

FRANCISCO Y. TAÑALA
OIC. ASST. DISTRICT ENGINEER

DATE

22 MAY 2025

APPROVED

ATTY. ARTHUR ERIC L. SABONG, CE
OIC. DISTRICT ENGINEER

DATE

22 MAY 2025

CONCURRED BY

GAUDENCIO E. ALJIBE JR., PhD, CESO VI
SCHOOL DIVISION SUPERINTENDENT

DATE

18 JUN 2025



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Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
NORTHERN SAMAR 2ND
DISTRICT ENGINEERING OFFICE
BDOY. BUNABUJO, LAGANAO, NORTHERN SAMAR, REGION VIII

PROJECT NAME AND LOCATION:

CONSTRUCTION OF MODIFIED DEPED-DPMH
STANDARD ONE(1)-STOREY THREE (3)-CLASSROOM
SCHOOL BUILDING AT
MARUBAY NATIONAL HIGH SCHOOL,
BARANGAY MARUBAY, LAGANAO,
NORTHERN SAMAR

SHEET CONTENTS:

PERSPECTIVE
TABLE OF CONTENTS

DRAFTED:

LUCITA AMY MARIE D. ESIDENA
ARCHITECT I
PREPARED
TARA FRANCIS OMNE G. PERFECTO
ARCHITECT II
DATE: 20 MAY 2025

CHECKED:

RYTHM GALLANO
ENGINEER I, ASSISTANT CHIEF
PLANNING & DESIGN SECTION
DATE: 21 MAY 2025

SUBMITTED:

SIGNA A. BERNARDO
CHIEF, PLANNING & DESIGN SECTION
DATE: 21 MAY 2025

RECOMMENDED:

FRANCISCO Y. TANALA
DISTRICT ENGINEER
DATE: 22 MAY 2025

APPROVED:

ATTY. ARTHUR ERIC L. SABONG, CE
DISTRICT ENGINEER
DATE: 22 MAY 2025

SHEET NO.:

2

SHEET NO.:

35

SUMMARY OF QUANTITIES

SCOPE OF WORKS		QUANTITY	UNIT	REMARKS
ITEM NO.	OTHER GENERAL REQUIREMENTS	AS-PLAN		
B.3(1)	Permits and Clearances	1.00	l.s.	
B.5(1)	Project Billboard / Sign Board	1.00	ea	
B.7(1)	Occupational Safety and Health	1.00	l.s.	
B.9(1)	Mobilization / Demobilization	1.00	l.s.	
EARTHWORKS				
803(1)a	Structure Excavation	182.00	cu.m	
804(1)a	Embankment from Roadway / Structure Excavation	118.00	cu.m	
804(2)a	Embankment from Borrow	77.00	cu.m	
804(7)	Gravel Fill	17.00	cu.m	
PLAIN AND REINFORCED CONCRETE WORKS				
900(1)c	Structural Concrete (Class A, 28 Days)	108.00	cu.m	
902(1)a1	Reinforcing Steel (Deformed) Grade 40	15,515.00	kg	
902(1)a2	Reinforcing Steel (Deformed) Grade 40	6,125.00	kg	
903(2)	Forms and Falseworks	704.00	sq.m	
FINISHING				
1046(2)a2	140mm CHB Non load Bearing wall (including Reinforcing Steel)	272.00	sq.m	
FABRICATED MATERIALS				
1010(4)	Wooden Doors and Windows	1.0	l.s.	
1005(6)	Window Accessory (Window Grills)	1.0	l.s.	
1003(16)	Carpentry and Joinery Works	1.0	l.s.	
1004(2)	Finishing Hardware	1.0	l.s.	
FINISHING WORKS				
1021(1)c	Cement Finish with floor hardener	257.00	sq.m	
1003(14)c	Moulding (Precast)	150.00	m	
1027(1)	Cement Plaster Finish	837.00	sq.m	
1051(1)a	Railing	1.00	l.s.	
1003(1)a1	Fiber Cement Board on Metal Frame	257.00	sq.m	
1018(1)	Galzed Tiles and Trims	20.00	sq.m	
1016(1)a	Waterproofing (Cement-Based)	86.00	sq.m	

SUMMARY OF QUANTITIES

SCOPE OF WORKS		QUANTITY	UNIT	REMARKS
ITEM NO.		AS-PLAN		
PAINTING WORKS				
1032(1)a	Masonry/Concrete Painting	837.00	sq.m	
1032(1)b	Wood Painting	125.00	sq.m	
1032(1)c	Steel Painting	49.00	sq.m	
ROOF FRAMING AND ROOFING WORKS				
1014(1)a2	Pre-painted Metal Sheets, Long Span, Corrugated	357.00	sq.m	
1013(2)a	Fabricated Metal Roofing Accessory (Ridge Roll)	27.00	m	
1013(2)b	Fabricated Metal Roofing Accessory (Flashing)	30.00	m	
1047(8)a	Structural Steel, Trusses	3,133.00	kg	
1047(8)b	Structural Steel, Purlins	4,057.00	kg	
1047(3)	Metal Structure Accessories	1.00	l.s.	
1047(5)b	Metal Structure Accessories, Sag Rods	117.00	kg	
1047(5)c	Metal Structure Accessories, Cross Bracing	348.00	kg	
1047(4)b	Metal Structure Accessories, Turn Buckle	24.00	ea	
1047(6)	Metal Structure Accessories, Steel Plates	2,280.00	kg	
PLUMBING				
1002(24)	Cold Water Lines	1.0	ls	
1001(9)	Storm Drainage and Downspout	1.0	ls	
1002(4)	Plumbing Fixtures	1.0	ls	
1001(5)b	Catch Basin	16.00	ea	
ELECTRICAL				
1100(10)	Conduits, Boxes, and Fittings	1.0	ls	
1101(33)	Wires and Wiring Devices	1.0	ls	
1102(1)	Panelboards with Main and Branch Breakers	1.0	ls	
1103(1)	Lighting Fixtures	1.0	ls	



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NORTHERN SAMAR 2ND
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BAYO, BUBAUBO, LACANG, NORTHERN SAMAR, REGION VII

PROJECT NAME AND LOCATION:
CONSTRUCTION OF MODIFIED DEPED-OPWH
STANDARD ONE(1)-STOREY THREE (3)-CLASSROOM
SCHOOL BUILDING AT
MARUBAY NATIONAL HIGH SCHOOL,
BARANGAY MARUBAY, LACANG,
NORTHERN SAMAR

SUMMARY OF QUANTITIES

DRAFTED:
LUCY KAMY MARIE D. ESIDERA
PREPARED:
TARA FRANCIS DUNE G. PERFECTO
DATE:

CHECKED:
RYAN H. GALLANO
DATE:

SUBMITTED:
EDNA A. MANCADO
DATE:

RECOMMENDED:
FRANCIS Y. TAYALA
DATE:

APPROVED:
ATTY. ARTHUR ERIC L. SABONG, CE
DATE:

SET NO. 3
SHEET NO. 35

20 MAY 2025

21 MAY 2025

21 MAY 2025

22 MAY 2025

22 MAY 2025

2440mm (8 ft)

1220 (4 ft)

THIS IS WHERE YOUR TAXES GO

NAME OF PROJECT :
 LOCATION :
 NAME OF CONTRACTOR :
 DATE STARTED :
 CONTRACT COMPLETION DATE :
 CONTRACT COST :
 IMPLEMENTING OFFICE :
 SOURCE OF FUND :

Department of Public Works and Highways
 1101 General Luna Ave. C.A.U. 201 1010 Manila

DPWH STANDARD PROJECT BILLBOARD

GENERAL NOTES:

1. FONT STYLE SHALL BE ARIAL, WHILE THE DIMENSION AND LETTER SIZES AS INDICATED ON THE DESIGN LAYOUT SHALL BE ON WHITE BACKGROUND.
2. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.

2440mm (8 ft)

COMMISSION ON AUDIT
 (PROVINCIAL AND CITY)

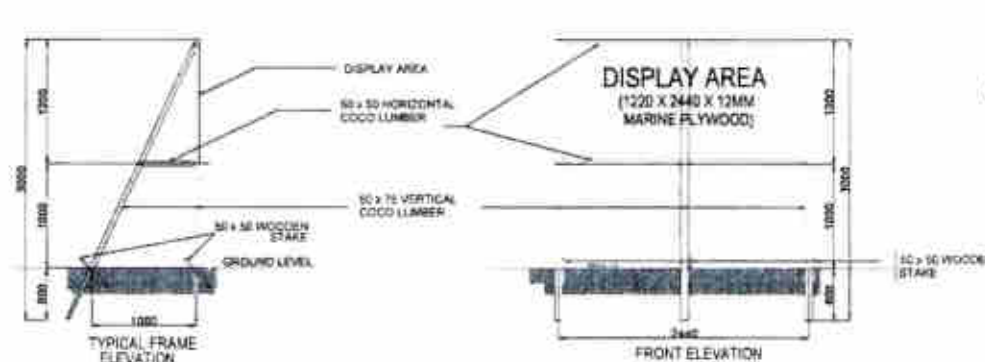
Project: Cost:
 Location: Fund
 Source:
 Implementing Agency:
 Development Partner:
 Contractor/Supplier:
 Brief Description of Project:
 Project Details:

Project Date			Project Status				Remarks
Duration	Started	Target Date	Percentage of Completion	As of (Date)	Cost incurred to Date	Date Completed	

For Patrons or complainants about this project, please contact the Regional Office or Office which has been jurisdiction on this project.

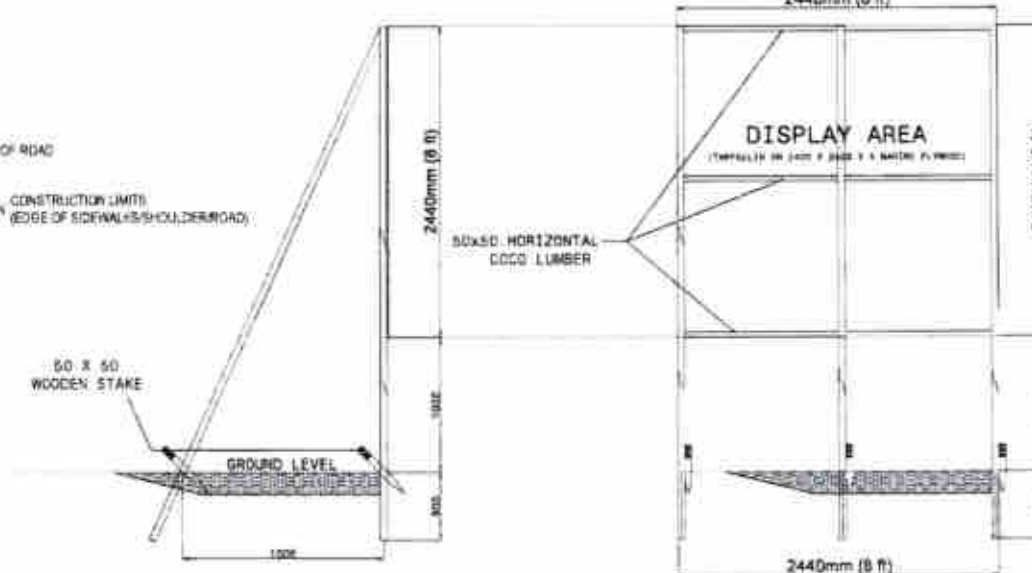
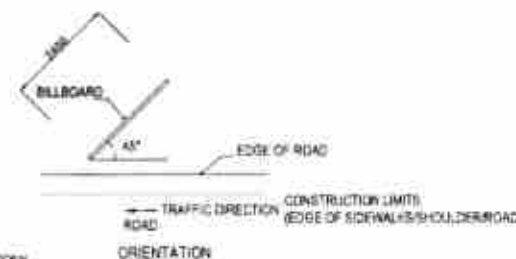
COA Regional Office No. 10/2000
 Address: _____
 Contact No. _____ or Text COA Citizens Desk at 0917-529-1967

WHITE BACKGROUND
 BLACK TEXT



BILLBOARD FRAME

(NOT TO SCALE. ALL DIMENSIONS ARE IN MILLIMETERS)



TYPICAL FRAME ELEVATION

FRONT ELEVATION

STANDARD PROJECT BILLBOARD



Republic of the Philippines
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 NORTHERN SAMAR 2ND
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 BRGY. BUNABU, LAOANG, NORTHERN SAMAR, REGION VII

PROJECT NAME AND LOCATION
 CONSTRUCTION OF MODIFIED DEP-ED DPWH
 STANDARD ONE (1)-STOREY THREE (3) CLASSROOM
 SCHOOL BUILDING AT
 MARUBAY NATIONAL HIGH SCHOOL,
 BARANGAY MARUBAY, LAOANG
 NORTHERN SAMAR

SHEET CONTENTS
 STANDARD PROJECT BILLBOARD

DRAFTED
 LUCITA AMY MARIE D. ESIDERA
 PREPARED
 TAPAT FRANCIS EMANE G. PERFECTO
 CHECKED
 RYAN A. GARCIA
 SUBMITTED
 JEROME A. GARCIA
 RECOMMENDED
 FRANKLIN Y. TAYASA
 APPROVED
 ATTY. ARTHUR WIC L. SABIDO, CE
 DATE
 20 MAY 2025

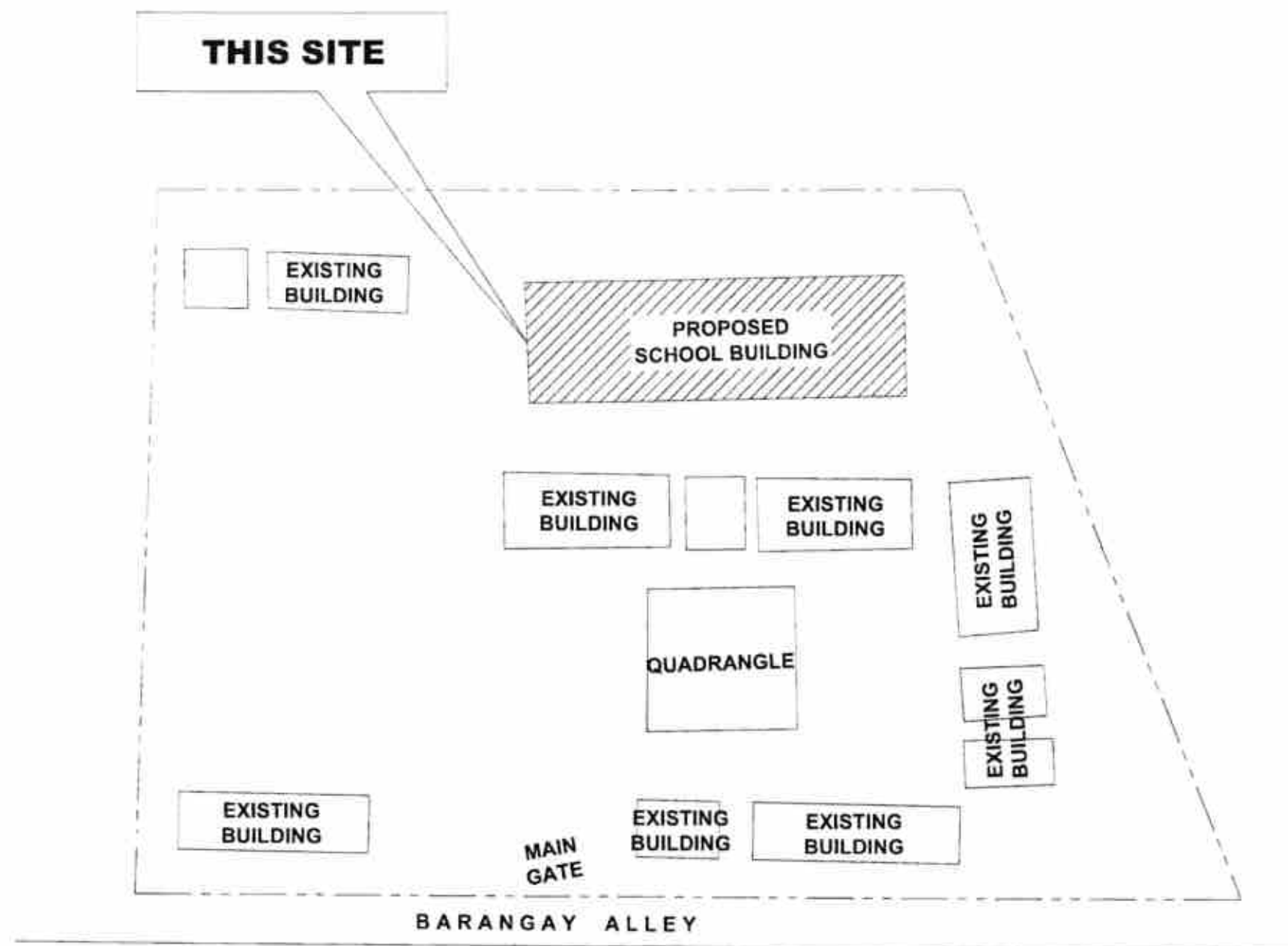
CHECKED
 RYAN A. GARCIA
 DATE
 21 MAY 2025

SUBMITTED
 JEROME A. GARCIA
 DATE
 21 MAY 2025

RECOMMENDED
 FRANKLIN Y. TAYASA
 DATE
 22 MAY 2025

APPROVED
 ATTY. ARTHUR WIC L. SABIDO, CE
 DATE
 22 MAY 2025

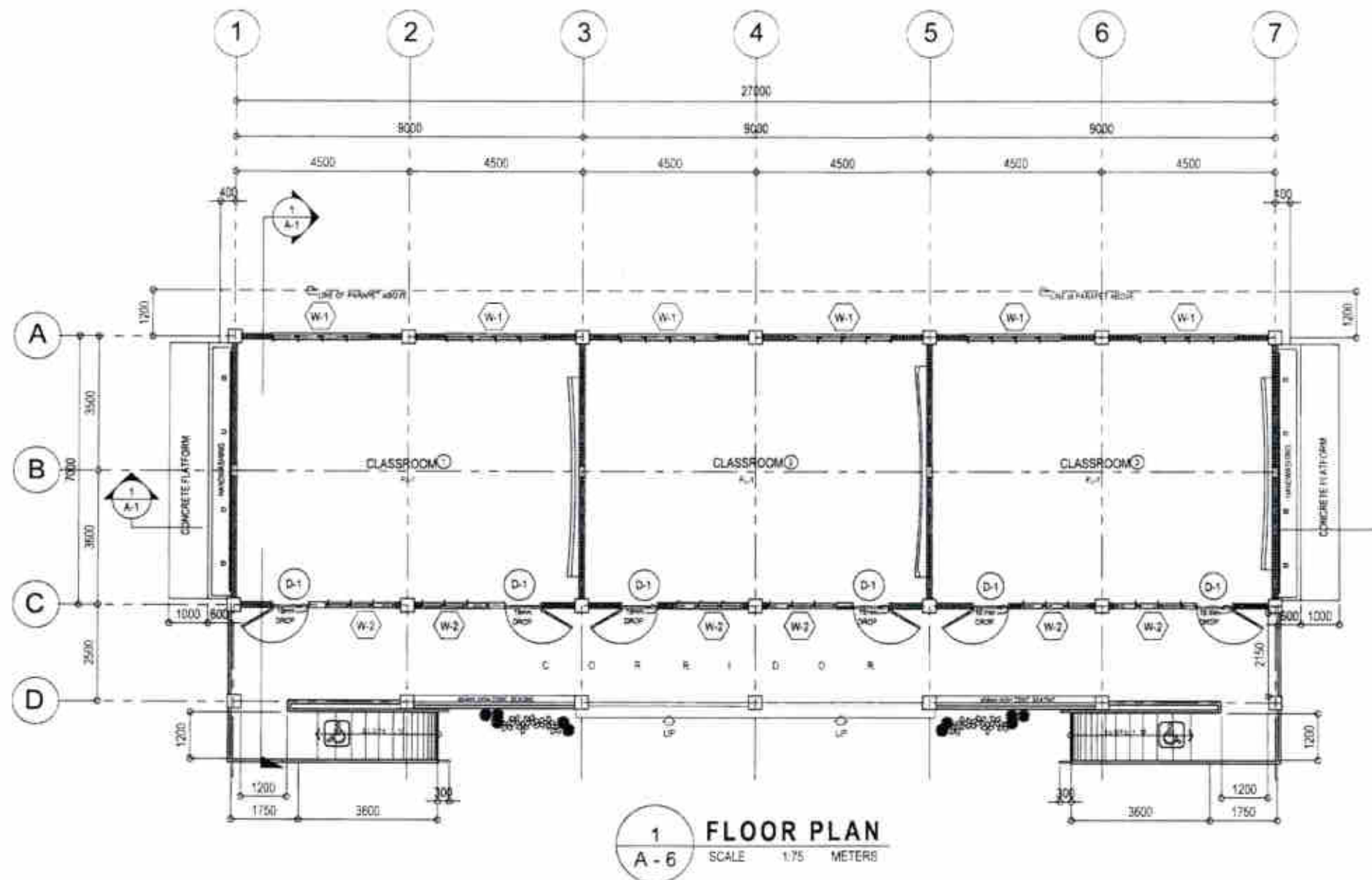
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 4
 SHEET NO.
 16



SITE DEVELOPMENT PLAN

N T S

 Republic of the Philippines DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS NORTHERN SAMAR 2ND DISTRICT ENGINEERING OFFICE BPOY, BURABUD, LADANG, NORTHERN SAMAR, REGION VII	PROJECT NAME AND LOCATION CONSTRUCTION OF MODIFIED DEPED-DPMH STANDARD ONE(1)-STOREY THREE (3)-CLASSROOM SCHOOL BUILDING AT MARUBAY NATIONAL HIGH SCHOOL, BARANGAY MARUBAY, LADANG, NORTHERN SAMAR	SITE DEVELOPMENT PLAN	DRAFTED LUCITA MAY MARIE D. ESIDERA ARCHITECT PREPARED BY TARA FRANCIS DIANE G. PERFECTO ARCHITECT DATE 20 MAY 2025	CHECKED RYAN H. GALLANO ENGINEER & ARCHITECT DATE 21 MAY 2025	SUBMITTED EDNA A. MUNCIAO DIST. PLANNING SECTION DATE 21 MAY 2025	RECOMMENDED FRANCIS V. TANALA DIST. PLANNING SECTION DATE 22 MAY 2025	APPROVED ATTY. ARTHUR ERIC L. SABONG, CE DIST. ENGINEER DATE 22 MAY 2025	SET NO. A SHEET NO. 5
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SCHEDULE OF FINISHES

FLOOR FINISHES

FL1 NON-SKID PLAIN CEMENT FINISH

FL2 NON-SKID PLAIN CEMENT FINISH
W/ 6MM GROOVE @ EVERY
100MM O.C.

FL3 200mmX200mm VITRIFIED UNGLAZED
FLOOR TILES

WALL FINISH

WF1 PLAIN CEMENT PLASTERED
PAINTED FINISH



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BRDY. BURABUD, LADANG, NORTHERN SAMAR, REGION VIII

PROJECT NAME AND LOCATION
CONSTRUCTION OF MODIFIED DEFED-OPWH
STANDARD ONE-STOREY THREE (3)-CLASSROOM
SCHOOL BUILDING AT
MARUBAY NATIONAL HIGH SCHOOL,
BARANGAY MARUBAY, LADANG,
NORTHERN SAMAR

SHEET CONTENTS
GROUND FLOOR PLAN
SCHEDULE OF FINISHES

DRAFTED
LUCITA AMY MARIE D. ESIDERA
ARCHITECT
PREPARED
TARA FRANCIS DIANE G. PERFECTO
ARCHITECT
DATE
20 MAY 2025

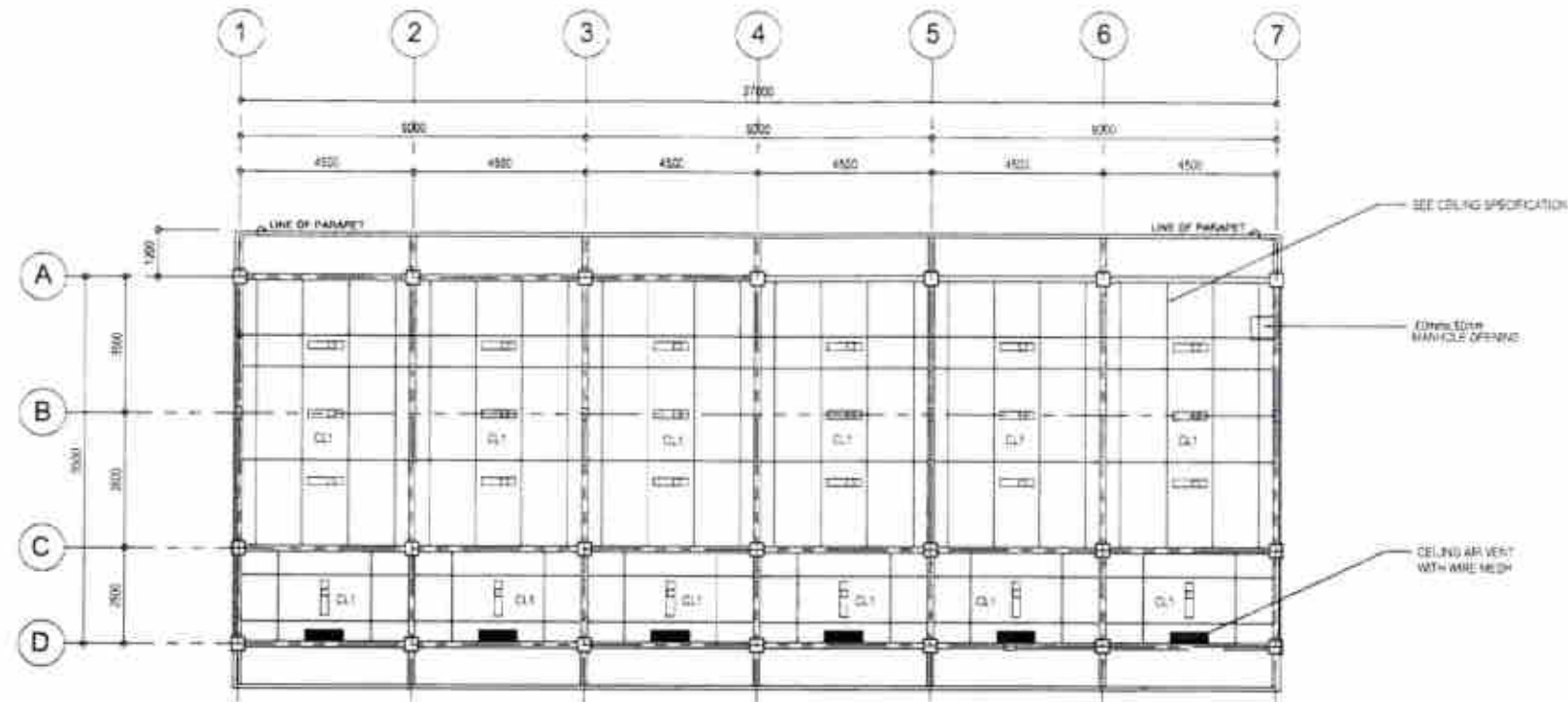
CHECKED
RYAN R. ORLANDO
ENGINEER & ASSISTANT CHIEF
PLANNING & DESIGN SECTION
DATE
21 MAY 2025

SUBMITTED
RODOLFO S. PUNCIADO
CHIEF PLANNING & DESIGN SECTION
DATE
21 MAY 2025

RECOMMENDED
EDUARDO Y. TARKALA
CHIEF PLANNING & DESIGN SECTION
DATE
22 MAY 2025

APPROVED
ATTY. ARTHUR ERIC L. SABONG, CE
DCL DISTRICT ENGINEER
DATE
22 MAY 2025

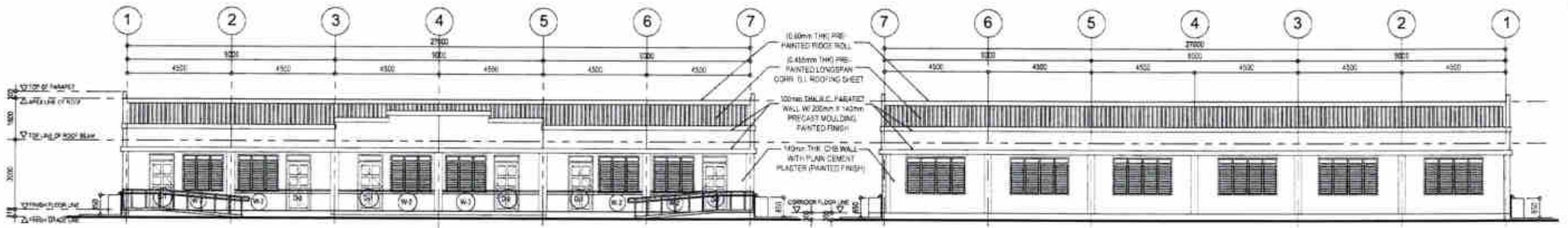
SET NO.
A
SHEET NO.
6
35



SCHEDULE OF CEILING FINISHES:

MARK	DESCRIPTION
CL1	6mm THK. FIBER CEMENT BOARD CEILING (PAINTED) IN 1200x600x30mm 30.8mm THK. METAL FURRING CHANNEL FRAMING @ EVERY 400MM O.C.

1 REFLECTED CEILING PLAN
A - 7 SCALE 1:100 METERS



2 FRONT ELEVATION
A - 7 SCALE 1:100 METERS

3 REAR ELEVATION
A - 7 SCALE 1:100 METERS



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NORTHERN SAMAR 2ND DISTRICT ENGINEERING OFFICE
(BRTY, BUNABU, LADANG, NORTHERN SAMAR, REGION VII)

PROJECT NAME AND LOCATION
CONSTRUCTION OF MODIFIED DEPED-DPAH STANDARD ONE(1)-STOREY THREE (3)-CLASSROOM SCHOOL BUILDING AT MARUBAY NATIONAL HIGH SCHOOL, BARANGAY MARUBAY, LADANG, NORTHERN SAMAR

SHEET CONTENTS
REFLECTED CEILING PLAN
FRONT ELEVATION
REAR ELEVATION

DRAFTED
LUCITA AMY MARIE D. ESIDERA
PREPARED
TERA FRANCIS DIANE G. PERFECTO

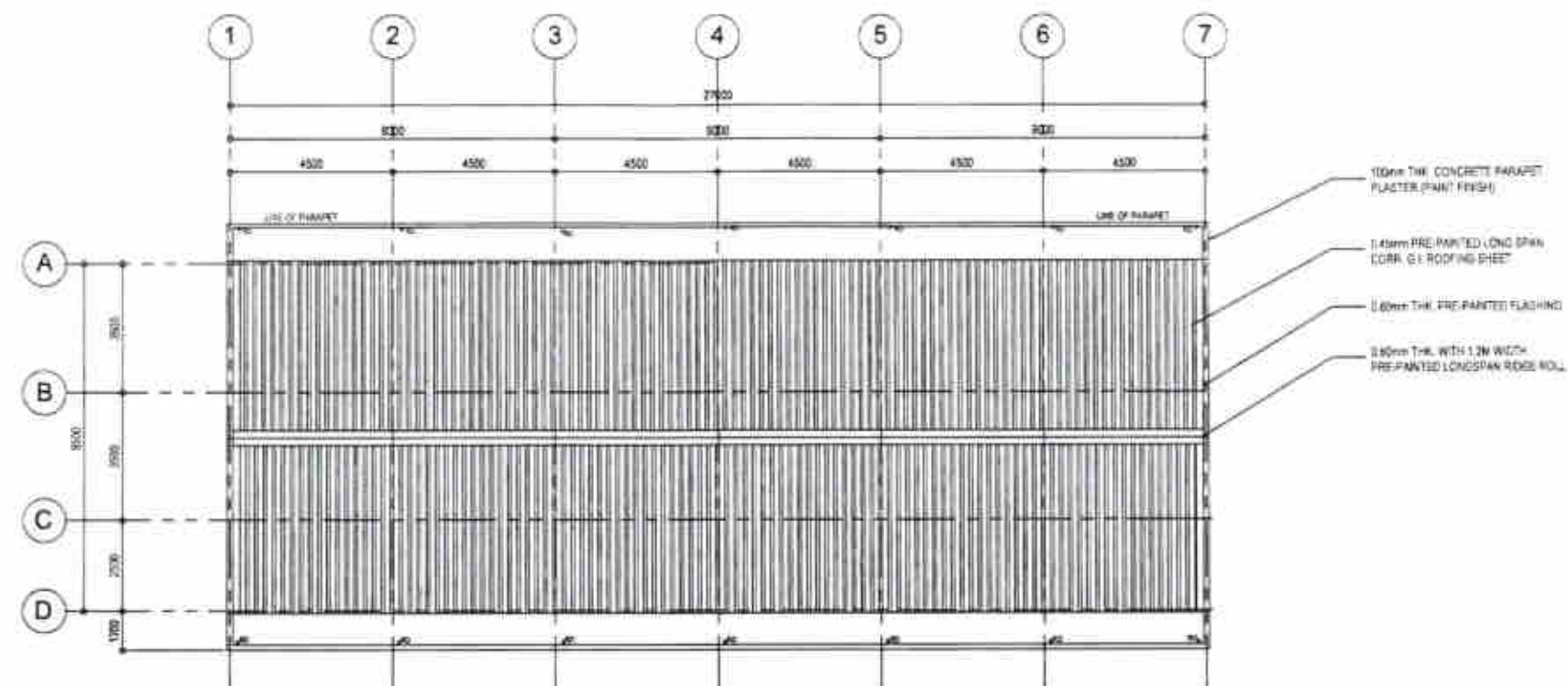
CHECKED
SPAN H. GALLANG
DATE
21 MAY 2025

SUBMITTED
ELONA AZARINCHIADO
DATE
21 MAY 2025

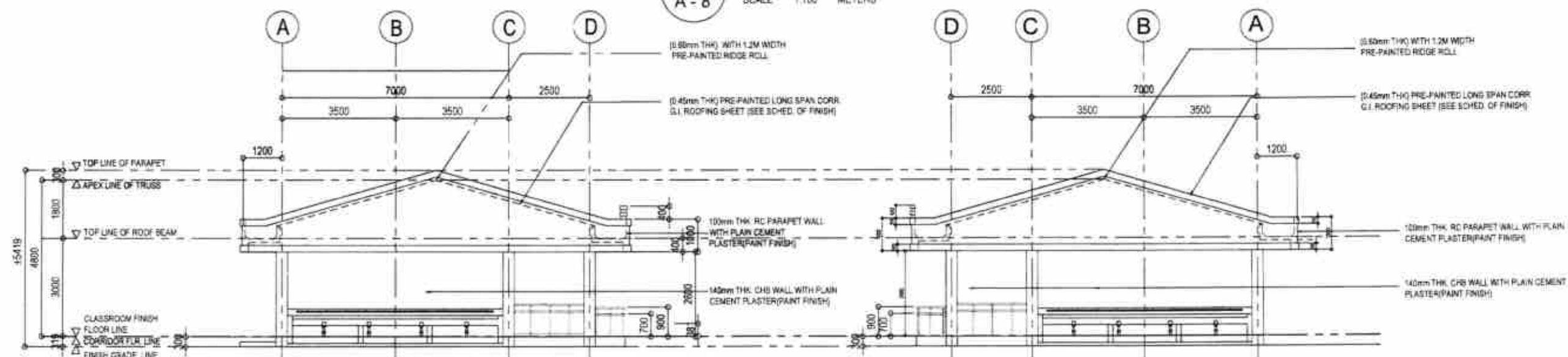
RECOMMENDED
FRANCISCO Y. TANALA
DATE
22 MAY 2025

APPROVED
ATTY. ARTHUR ERIC L. SABONG, CE
DATE
22 MAY 2025

SET NO. 1
SHEET NO. 7



1
A - 8
ROOF PLAN
SCALE 1:100 METERS



2
A - 8
LEFT SIDE ELEVATION
SCALE 1:75 METERS

3
A - 8
RIGHT SIDE ELEVATION
SCALE 1:75 METERS



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STANDARD ONE-STOREY THREE (3)-CLASSROOM
SCHOOL BUILDING AT
MARUBAY NATIONAL HIGH SCHOOL,
BARANGAY MARUBAY, LACANG,
NORTHERN SAMAR

SHEET CONTENTS
ROOF PLAN
LEFT SIDE ELEVATION
RIGHT SIDE ELEVATION

DRAFTED
LUCITA AMY MARIE D. ESIDERA
PREPARED
TARA FRANCIS DIANE G. PERFECTO
DATE
20 MAY 2025

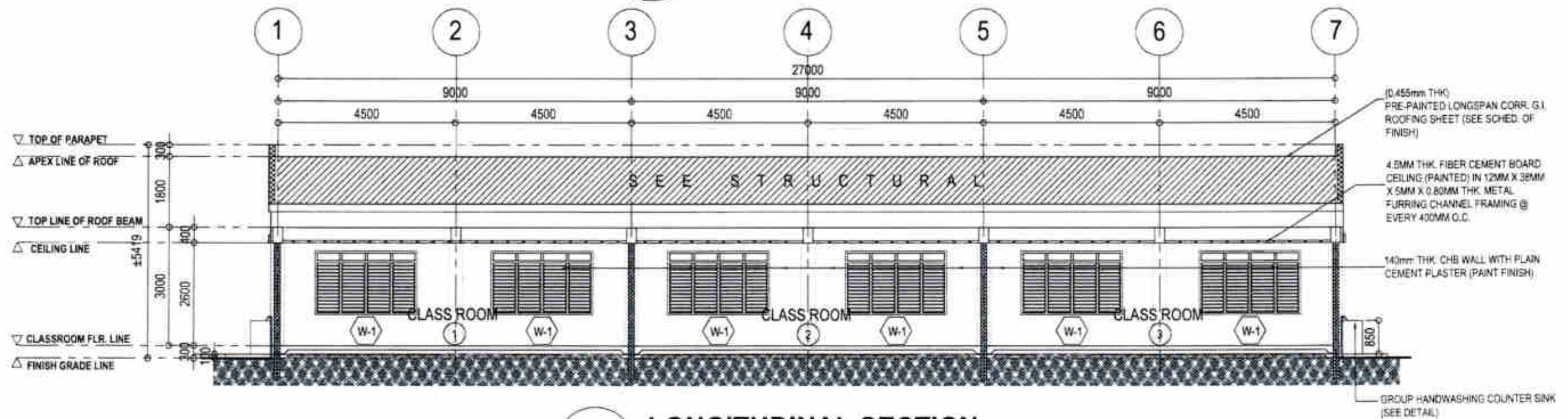
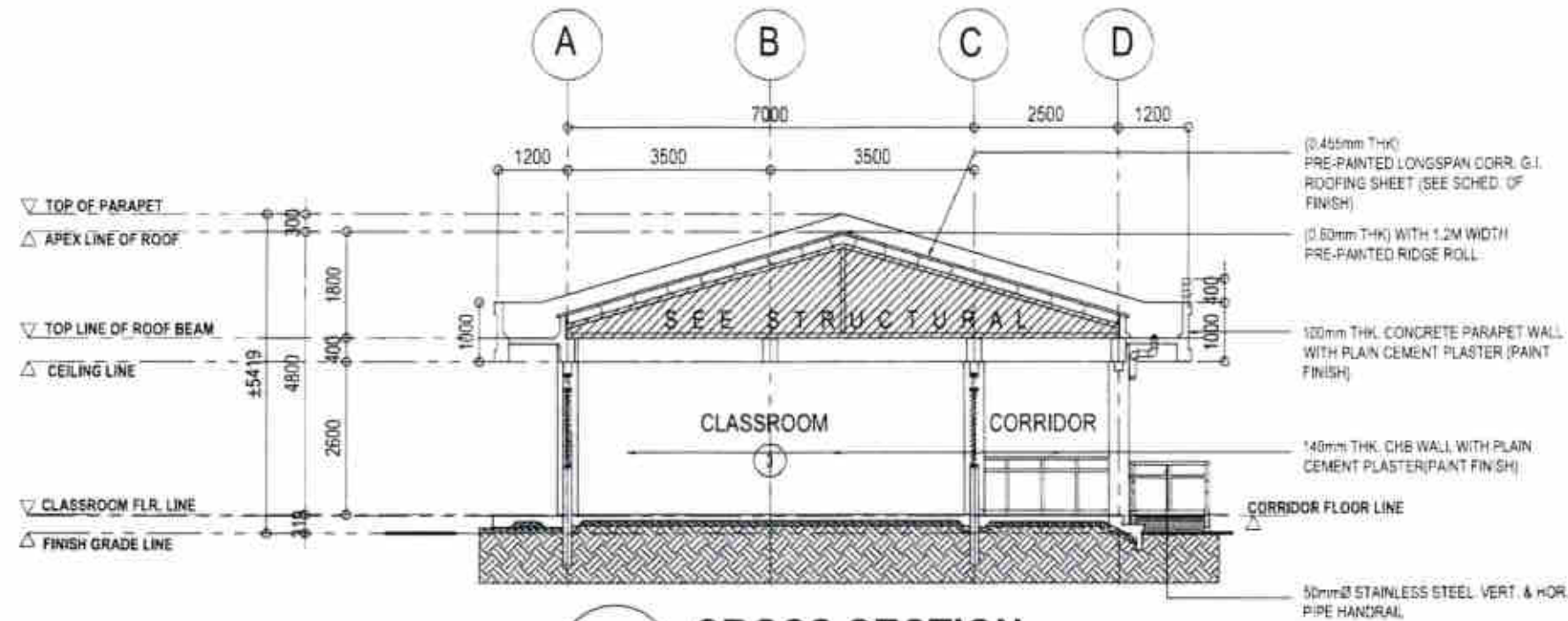
CHECKED
RYAN H. GALLANO
DATE
21 MAY 2025

SUBMITTED
ROMEO SANCIBADO
DATE
21 MAY 2025

RECOMMENDED
FRANCISCO Y. TALAÑA
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22 MAY 2025

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ATTY. ARTHUR ERIC L. BABONG, CE
DATE
22 MAY 2025

SET NO. 8
SHEET NO. 35



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
NORTHERN SAMAR 2ND
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BRGY. BURABUJ, LAGANG, NORTHERN SAMAR, REGION VII

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SCHOOL BUILDING AT
MARUBAY NATIONAL HIGH SCHOOL
BARANGAY MARUBAY, LAGANG,
NORTHERN SAMAR

SHEET CONTENTS:
CROSS SECTION
LONGITUDINAL SECTION

DRAFTED:
LUCITA AMY MARIE D. ESIDERA
PREPARED:
TARK FRANCIS DUANE G. PERFECTO
DATE: 20 MAY 2025

CHECKED:
RYAN R. GALLANO
DATE: 21 MAY 2025

SUBMITTED:
FEDERICO L. MUNICIANO
DATE: 21 MAY 2025

RECOMMENDED:
FRANCISCO Y. TARKALA
DATE: 22 MAY 2025

APPROVED:
ATTY. ARTHUR ERIC L. BABONO, CE
DATE: 22 MAY 2025

SET NO. SHEET NO.
A 9
B 16
C 35

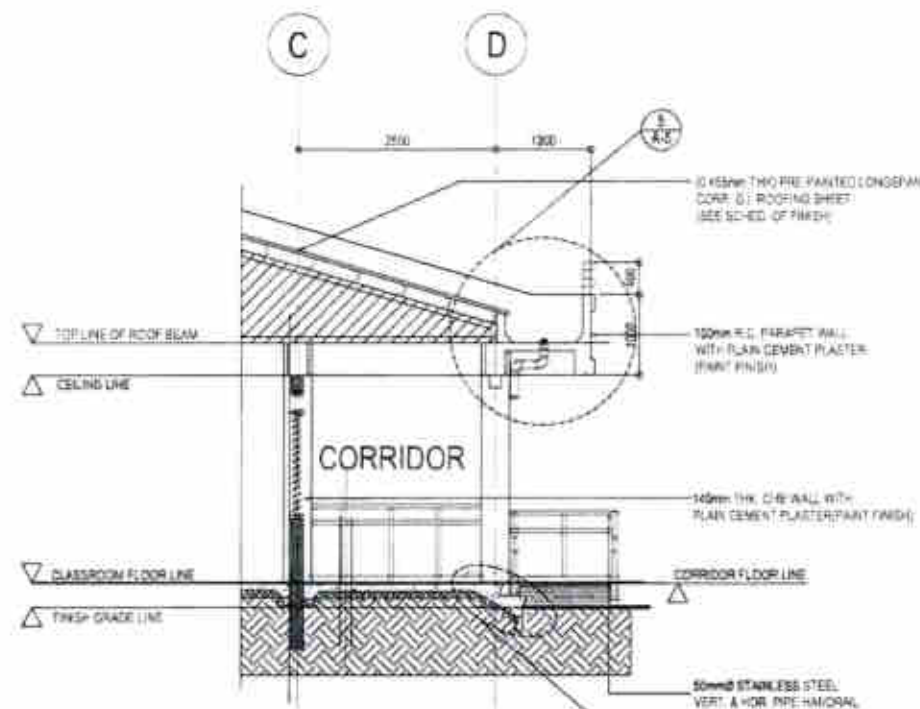
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21 MAY 2025

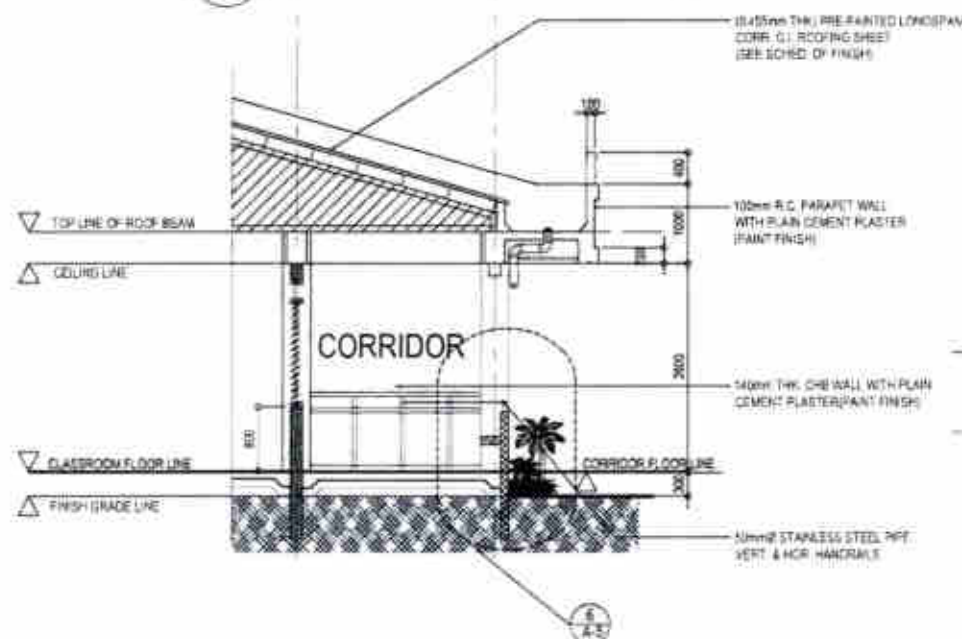
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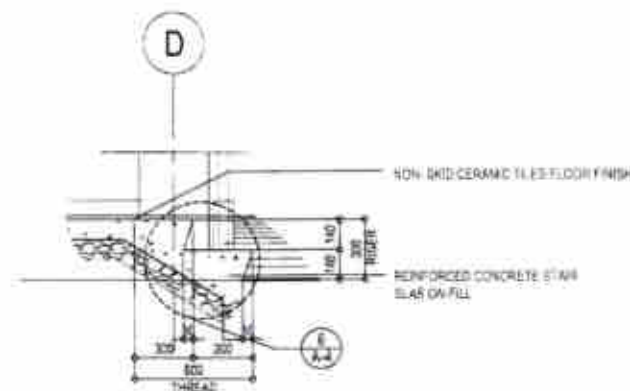
22 MAY 2025



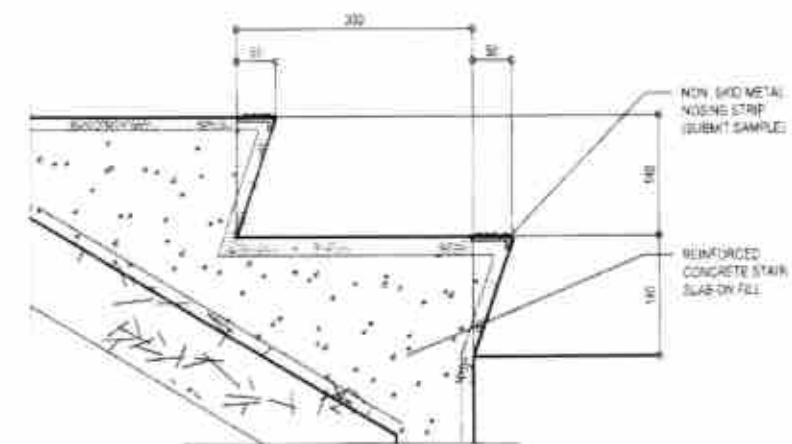
1 DET. BAY 1 SECTION
A-10 SCALE 1:10 M



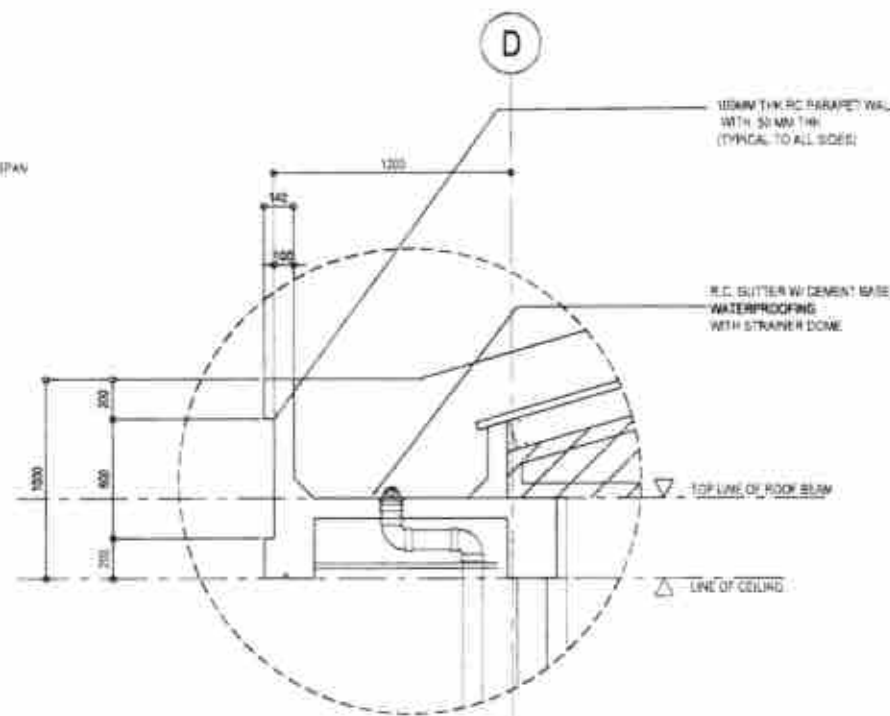
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A-10 SCALE 1:10 M



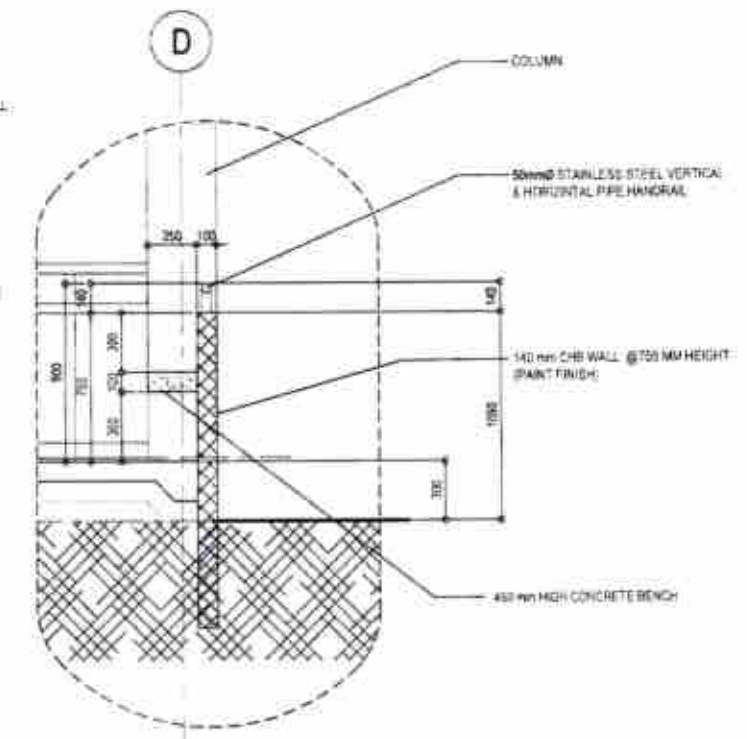
3 SPOT DETAIL (R.C. STAIR)
A-10 SCALE 1:20 M



4 SPOT DETAIL (NON-SKID METAL NOSING STRIP)
A-10 SCALE 1:10 M



5 SPOT DETAIL (R.C. GUTTER)
A-10 SCALE 1:20 M



6 SPOT DETAIL (R.C. BENCH)
A-10 SCALE 1:20 M



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
NORTHERN SAMAR 2ND
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BPO, BUBALID, LAGANG, NORTHERN SAMAR, REGION VII

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NOSING STRIP)
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SPOT DETAIL (R.C. BENCH)
SPOT DETAIL (R.C. GUTTER)

DRAFTED
LUCITA AMY MARIE D. ESIDERA
CHECKED
RYAN H. GALLANO
SUBMITTED
FIONA R. BRUNCIADO
RECOMMENDED
ERICKSON Y. TALAÑA
APPROVED
ATTY. KATHLEEN L. SABONG, CE

20 MAY 2025

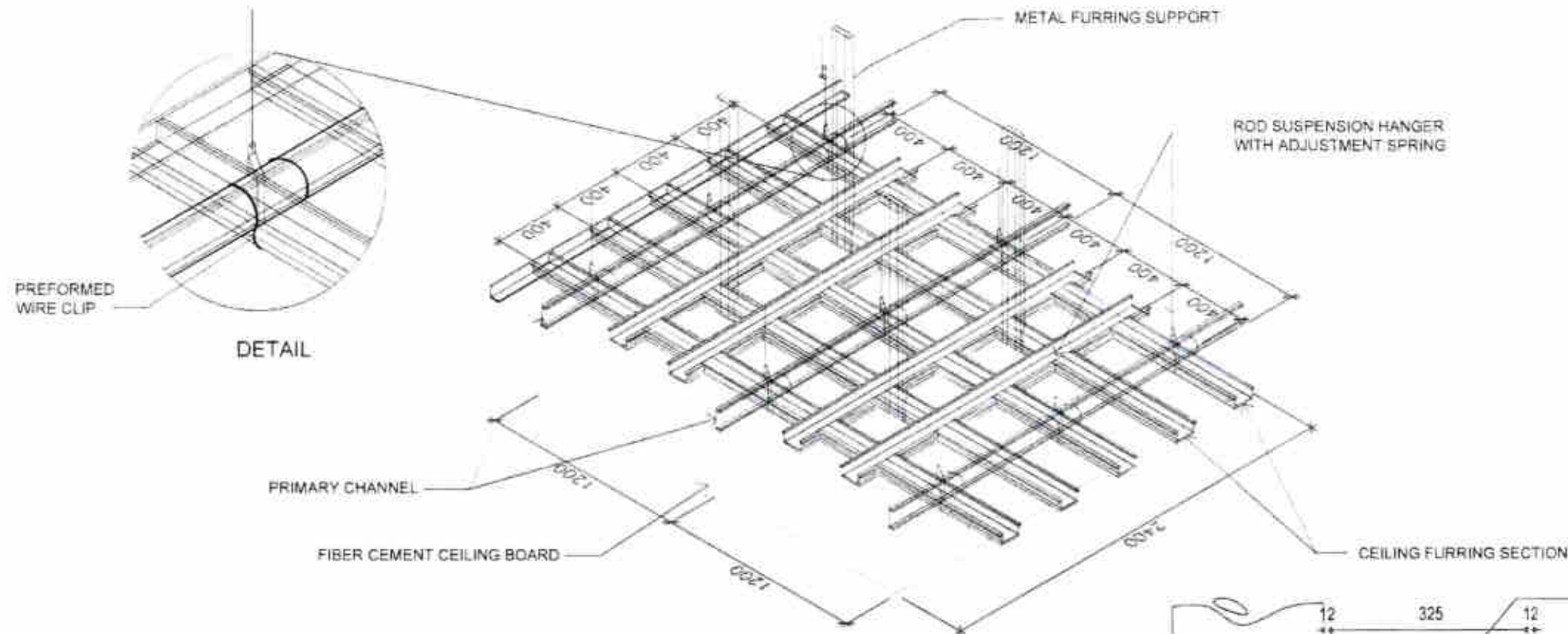
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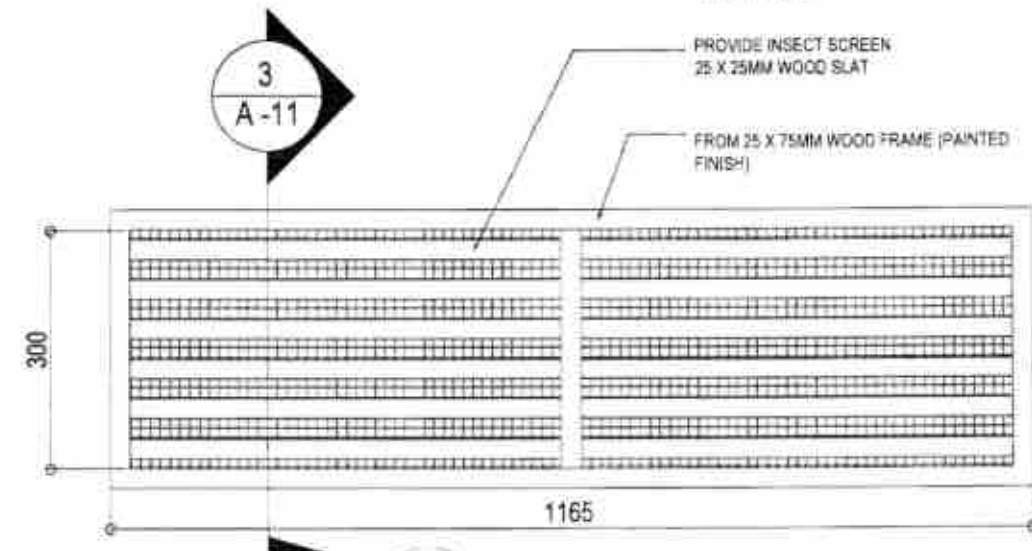
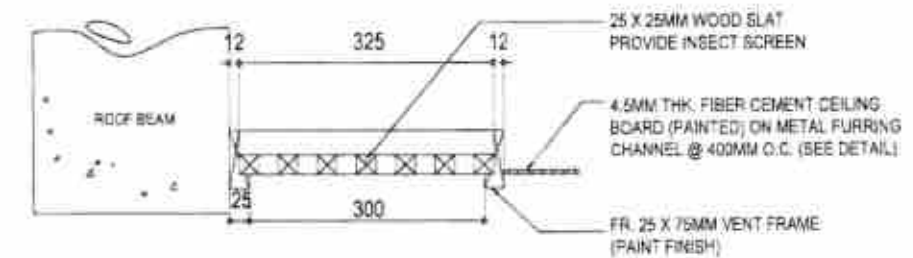
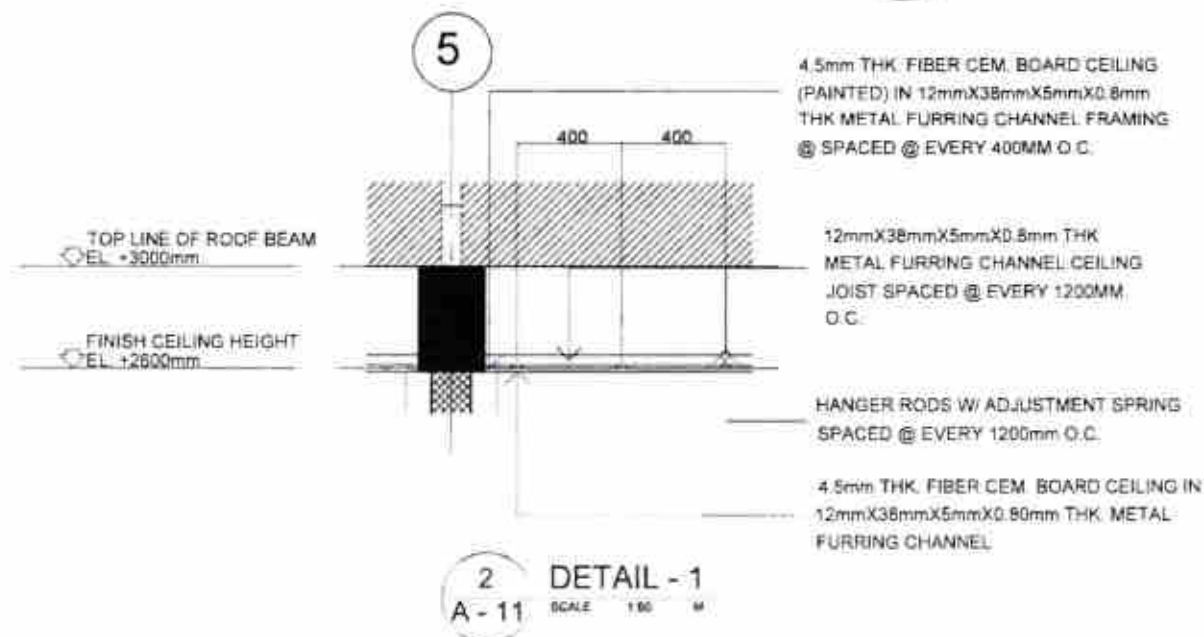
22 MAY 2025

22 MAY 2025

SHEET NO.
10
16
26



1 ISOMETRIC (CEILING DETAIL)
A-11 NOT TO SCALE



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
NORTHERN SAMAR 2ND
DISTRICT ENGINEERING OFFICE
BPOV, BURABUJ, LADANG, NORTHERN SAMAR, REGION VII

PROJECT NAME AND LOCATION
CONSTRUCTION OF MODIFIED DEPED-OPWH
STANDARD ONE(1)-STOREY THREE (3)-CLASSROOM
SCHOOL BUILDING AT
MARUBAY NATIONAL HIGH SCHOOL,
BARANGAY MARUBAY, LADANG,
NORTHERN SAMAR

SHEET CONTENTS
PERSPECTIVE CEILING
CEILING SECTION
VENT DETAIL

DRAFTED
LUCITA AMY MARIE D. ESIDERA
ARCHITECT
PREPARED
TARA FRANCIS DIANE G. PERFECTO
ARCHITECT
DATE
20 MAY 2025

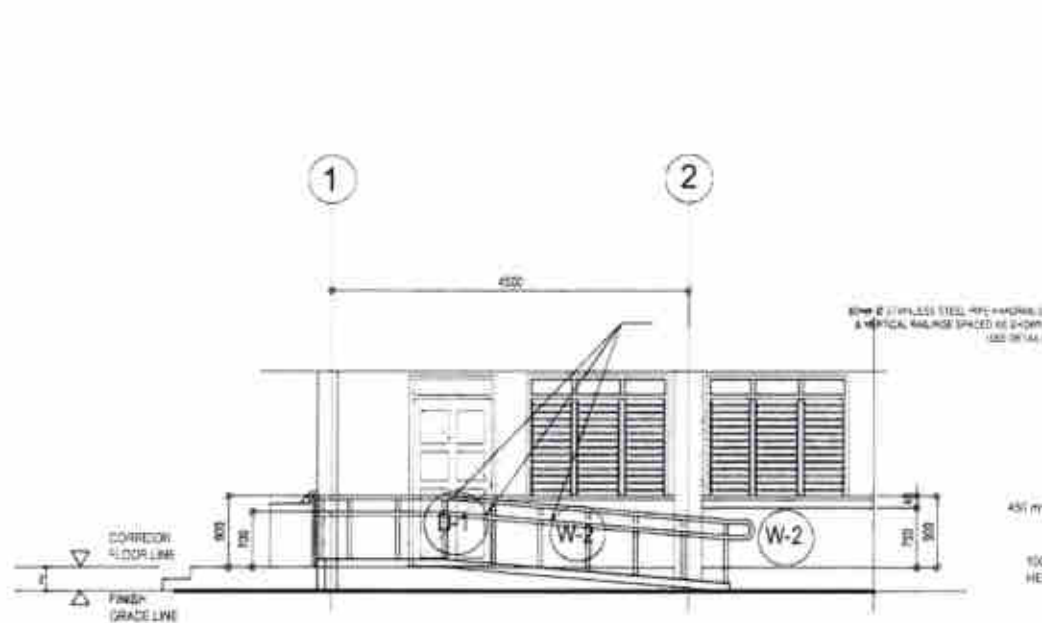
CHECKED
RYAN H. GUSTANO
ENGINEER & ASSISTANT CHIEF
PLANNING & DESIGN SECTION
DATE
21 MAY 2025

SUBMITTED
FIONA A. BRUNCIADO
CHIEF PLANNING & DESIGN SECTION
DATE
21 MAY 2025

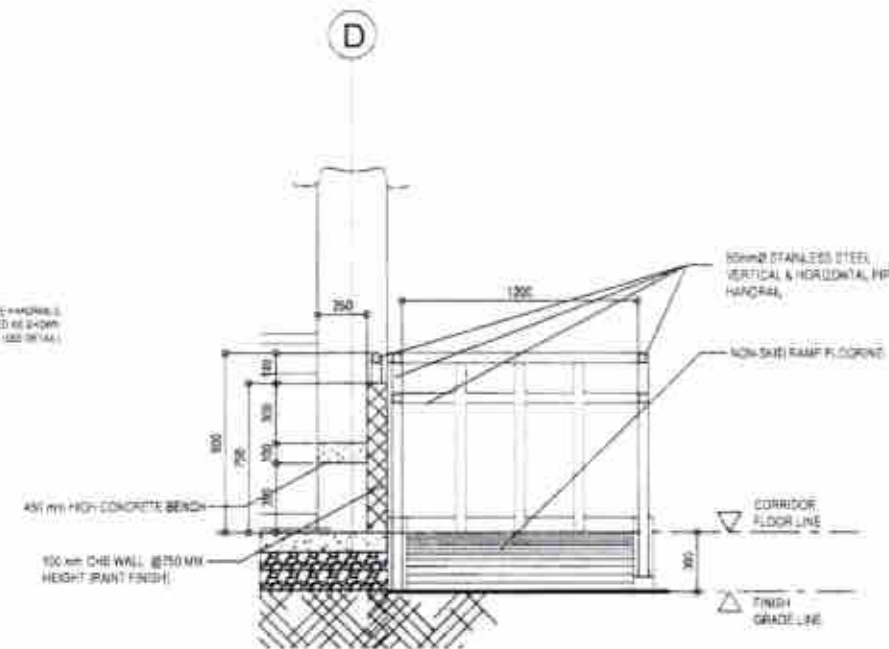
RECOMMENDED
FRANCISCO Y. TARALA
DISTRICT ENGINEER
DATE
22 MAY 2025

APPROVED
ATTY. ARTHUR ERIC L. SARONG, CE
D/C DISTRICT ENGINEER
DATE
22 MAY 2025

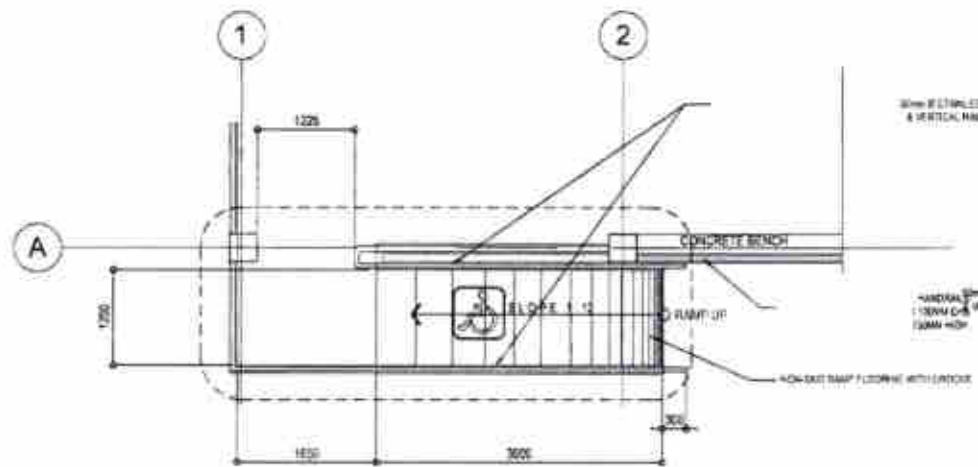
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SHEET NO. 11



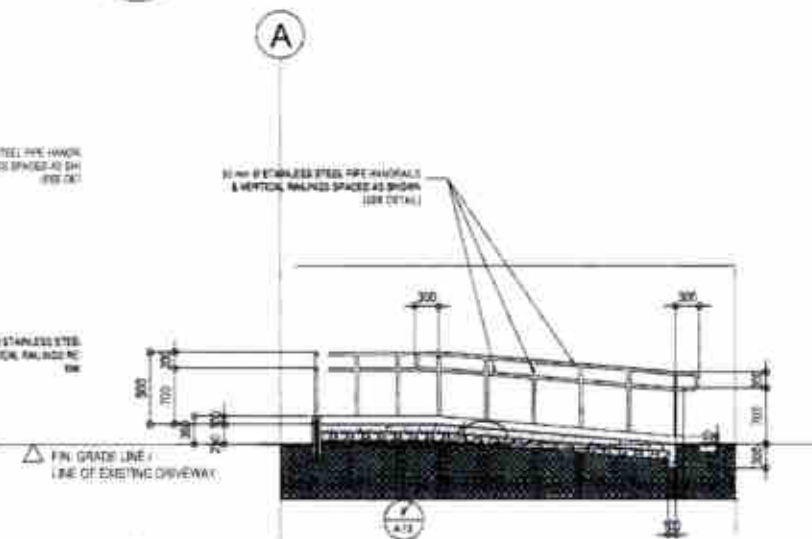
2 DET. ELEVATION of RAMP
A-12 SCALE 1:50 M



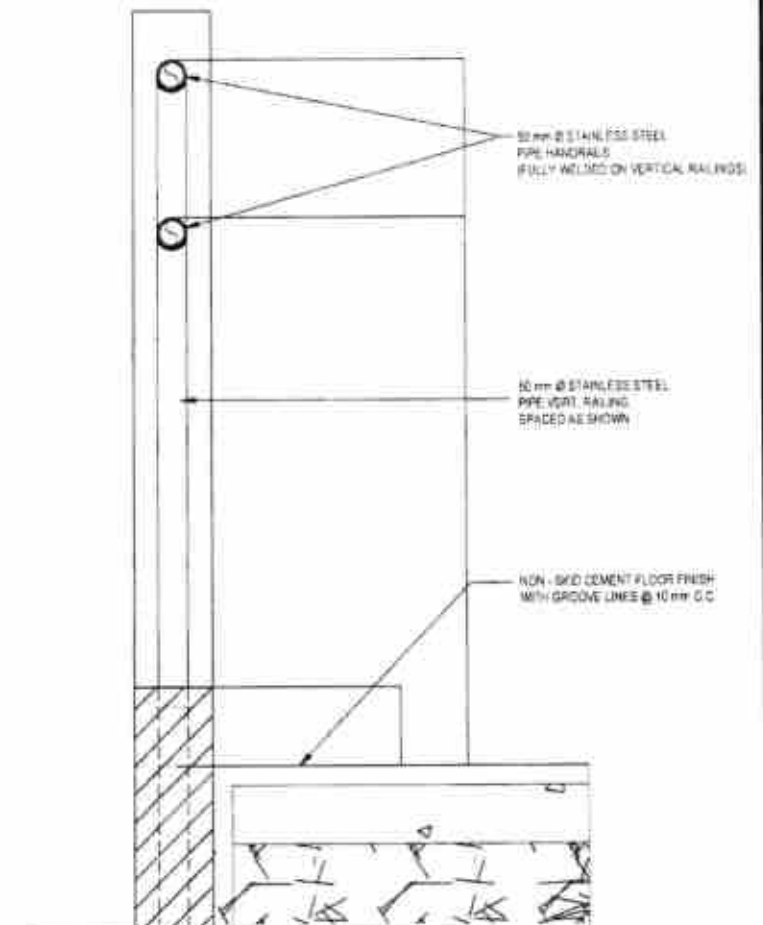
3 DETAIL SECTION (CONC. BENCH & RAMP)
A-13 SCALE 1:20 M



1 DET. PLAN of RAMP
A-12 SCALE 1:50 M



4 DET. LONGITUDINAL SECTION of RAMP
A-12 SCALE 1:50 M



5 SPOT DETAIL (HANDRAIL)
A-12 SCALE 1:5 M



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
NORTHERN SAMAR 2ND
DISTRICT ENGINEERING OFFICE
BRGY. BUNABUD, LAJANG, NORTHERN SAMAR, REGION VI

PROJECT NAME AND LOCATION
CONSTRUCTION OF MODIFIED DEPED-DPWH
STANDARD ONE-1/2-STORY THREE (3)-CLASSROOM
SCHOOL BUILDING AT
MARUBAY NATIONAL HIGH SCHOOL,
BARANGAY MARUBAY, LACANG,
NORTHERN SAMAR

SHEET CONTENTS
DETAIL PLAN OF RAMP
DETAIL ELEVATION OF RAMP
DETAIL SECTION OF RAMP
DETAIL LONGITUDINAL SECTION
SPOT DETAIL (HANDRAIL)

DRAFTED
LUCITA AMY MARIE D. ESIDERA
ARCHITECT I
PREPARED
YARA FRANCIS DIANE G. PERFECTO
ARCHITECT I
DATE
20 MAY 2025

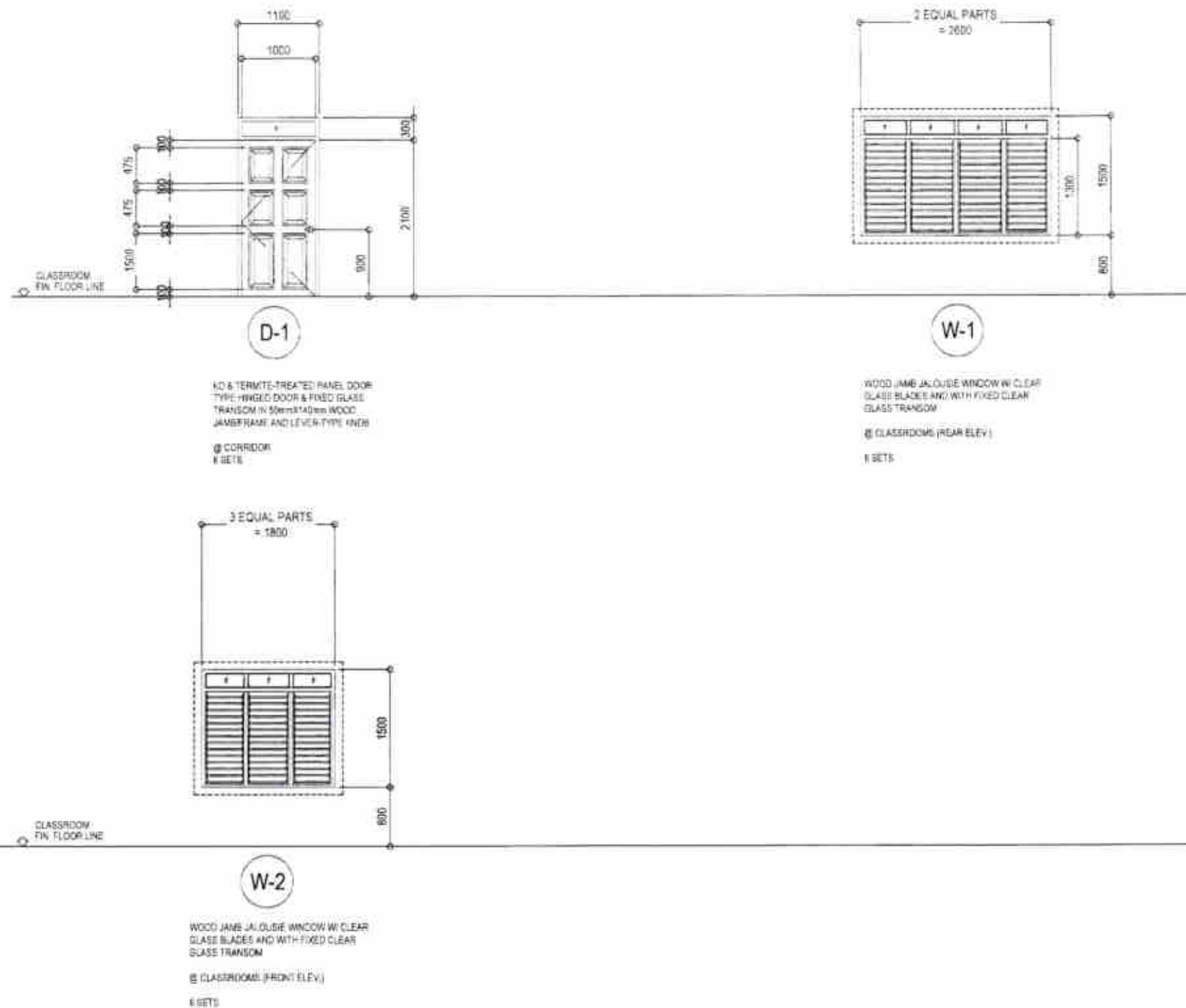
CHECKED
RYAN H. GALLANO
ENGINEER I, ABS-CBN
PLANNING & DESIGN GROUP
DATE
21 MAY 2025

SUBMITTED
FIDNA A. MUNICIADO
CHIEF PLANNING & DESIGN SECTION
DATE
21 MAY 2025

RECOMMENDED
FRANCISCO Y. TANALA
ASSISTANT DISTRICT ENGINEER
DATE
22 MAY 2025

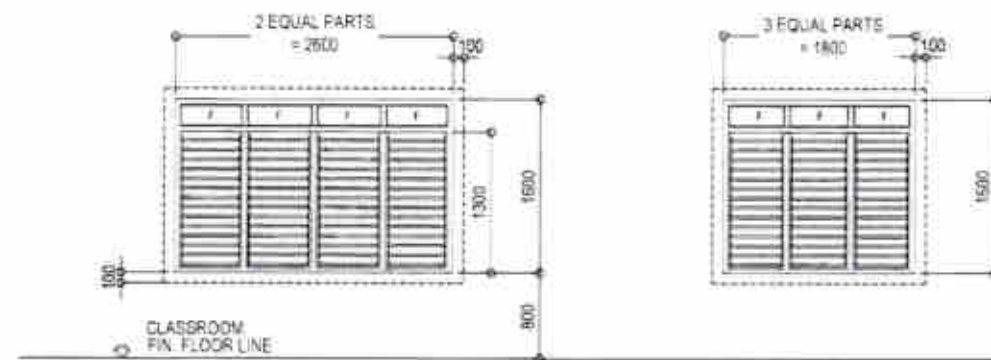
APPROVED
ATTY. ARTHUR ERIC L. SERRANO, CE
D.C. DISTRICT ENGINEER
DATE
22 MAY 2025

SET NO.
A
SHEET NO.
12
15
35



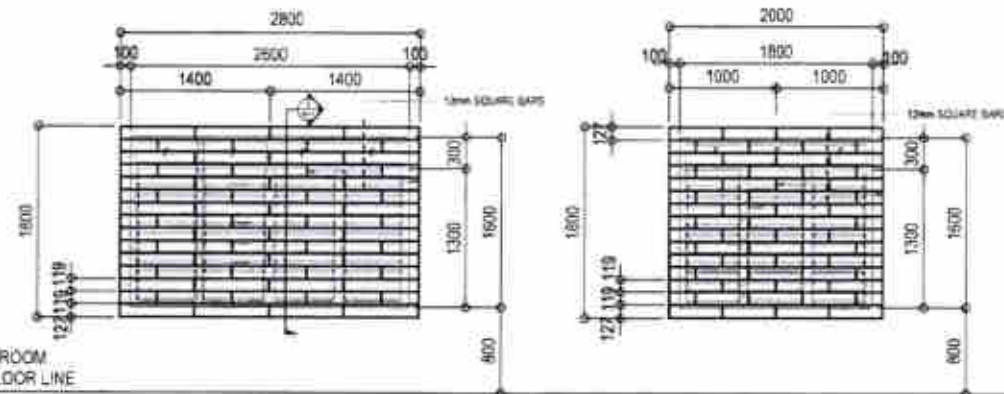
1 A - 13 SCHEDULE OF DOORS & WINDOWS SCALE 1:50 METERS

Republic of the Philippines DEPARTMENT OF PUBLIC WORKS AND HIGHWAY NORTHERN SAMAR 2ND DISTRICT ENGINEERING OFFICE BRILLY BURABUJEL LACANG, NORTHERN SAMAR, REGION VII	PROJECT NAME AND LOCATION CONSTRUCTION OF MODIFIED DEPED-OPWH STANDARD ONE (1)-STOREY THREE (3)-CLASSROOM SCHOOL BUILDING AT MARUBAY NATIONAL HIGH SCHOOL, BARANGAY MARUBAY, LACANG, NORTHERN SAMAR	SHEET CONTENTS SCHEDULE OF DOORS AND WINDOWS	DRAFTED LUCITA AMY MARIE D. ESIDERA (PROJECT) PREPARED TARA FRANCIS DIANE G. PERFECTO ARCHITECT & PLANNING CONSULTANT DATE 20 MAY 2025	CHECKED RYAN H. DELRANO ENGINEER & ASSISTANT CHIEF PLANNING & DESIGN SECTION DATE 21 MAY 2025	SUBMITTED EDNA A. MANCIADO CHIEF PLANNING & DESIGN SECTION DATE 21 MAY 2025	RECOMMENDED FRANCISCO V. TALAÑA ENGINEER & ASSISTANT CHIEF PLANNING & DESIGN SECTION DATE 22 MAY 2025	APPROVED ATTY. ARTHUR ERIC L. SABONG, CE DIE DISTRICT ENGINEER DATE 22 MAY 2025	SET NO. A 13 14 15	SHEET NO. 11 35
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W-1

W-2



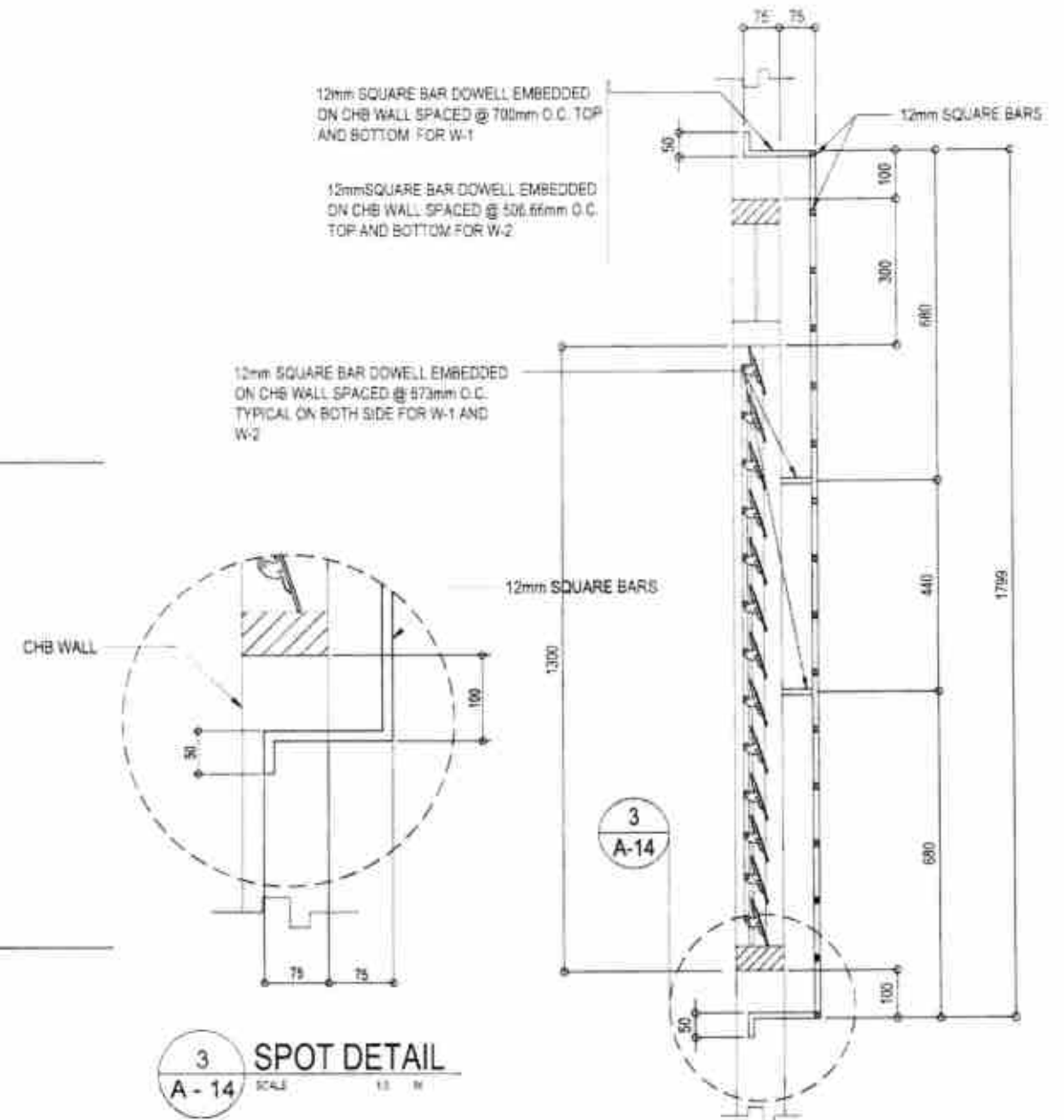
W-1

W-2

6 SETS

6 SETS

1 **DETAIL OF WINDOW GRILLE**
A-14 SCALE 1:50 M



3 **SPOT DETAIL**
A-14 SCALE 1:5 M

2 **TYPICAL DETAIL SECTION**
A-14 SCALE 1:10 M



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
NORTHERN SAMAR 2ND
DISTRICT ENGINEERING OFFICE
BROY, BUTABUD, LADANG, NORTHERN SAMAR, REGION VII

PROJECT NAME AND LOCATION
CONSTRUCTION OF MODIFIED DEPED-DPWH
STANDARD ONE-11-STORY THREE (3)-CLASSROOM
SCHOOL BUILDING AT
MARUBAY NATIONAL HIGH SCHOOL,
BARANGAY MARUBAY, LADANG,
NORTHERN SAMAR

SHEET CONTENTS
WINDOW GRILLE DETAIL

DRAFTED
LUCITA ANN MARIE D. ESIDERA
ARCHITECT
TARA FRANCIS DIANE G. PERFECTO
ARCHITECT
DATE 20 MAY 2025

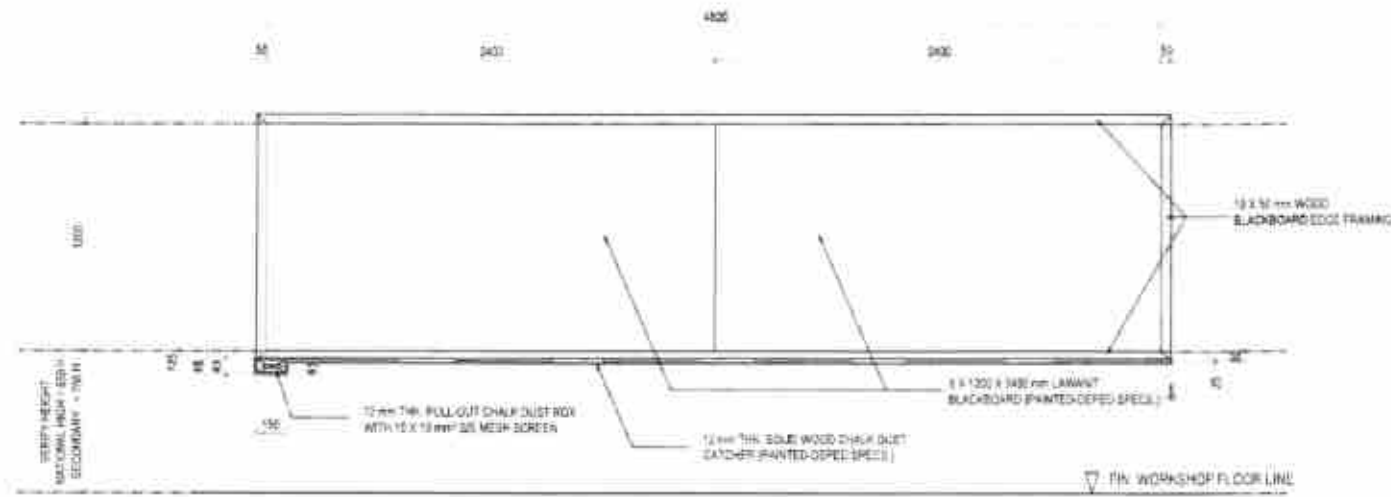
CHECKED
RYAN H. GALLANO
ENGINEER & ASSISTANT CHIEF
PLANNING SECTION
DATE 21 MAY 2025

SUBMITTED
SIGNIFICANTE
DATE 21 MAY 2025

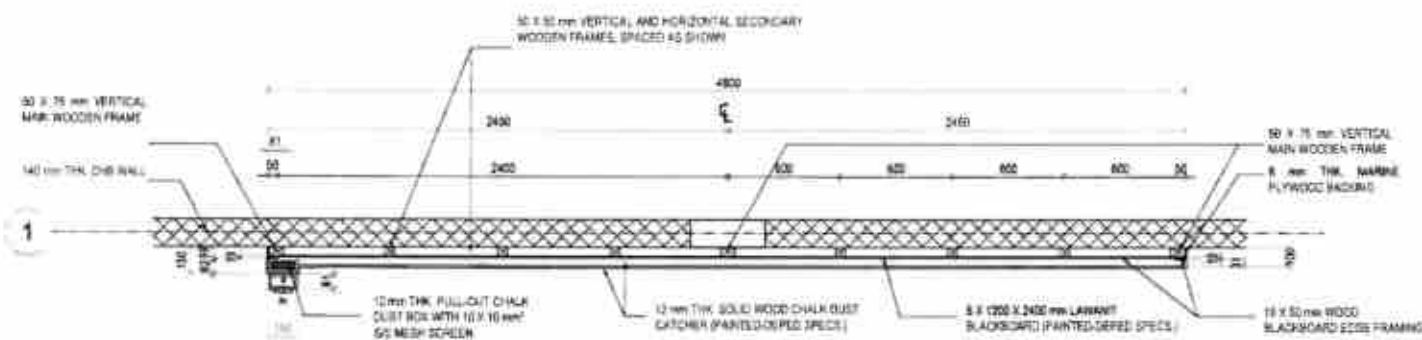
RECOMMENDED
FRANCISCO Y. TANALA
DATE 22 MAY 2025

APPROVED
ATTY. ARTHUR ERIC L. SABONG, CE
DATE 22 MAY 2025

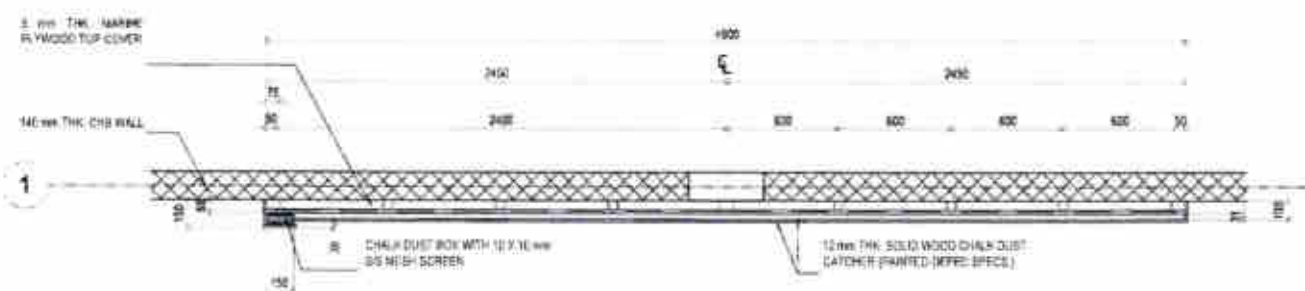
SET NO. SHEET NO.
A 14
14 15
30



ELEVATION (FRONT VIEW)

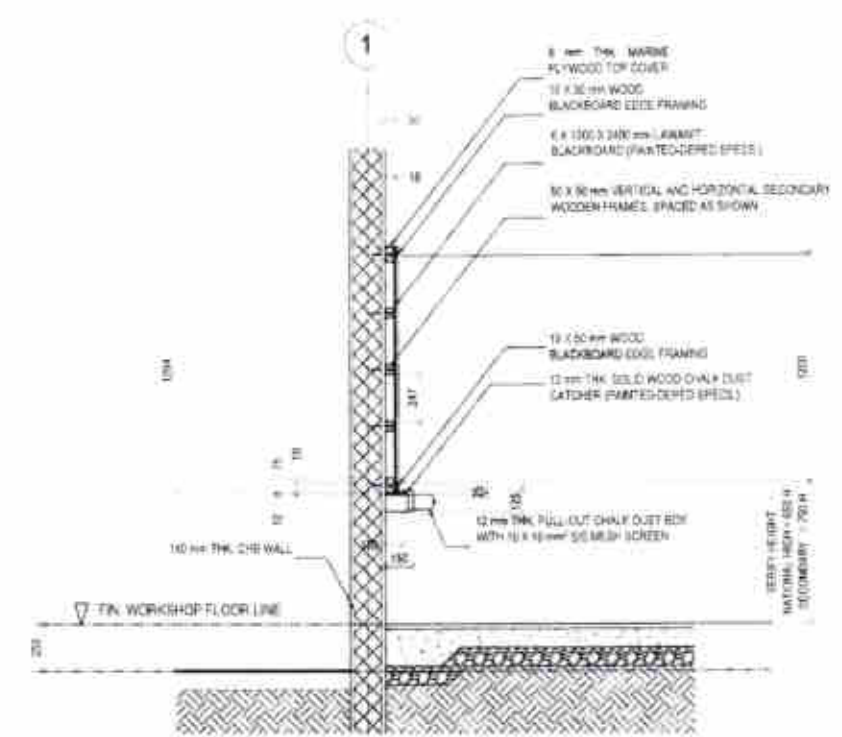


PLAN (SECTIONAL VIEW)

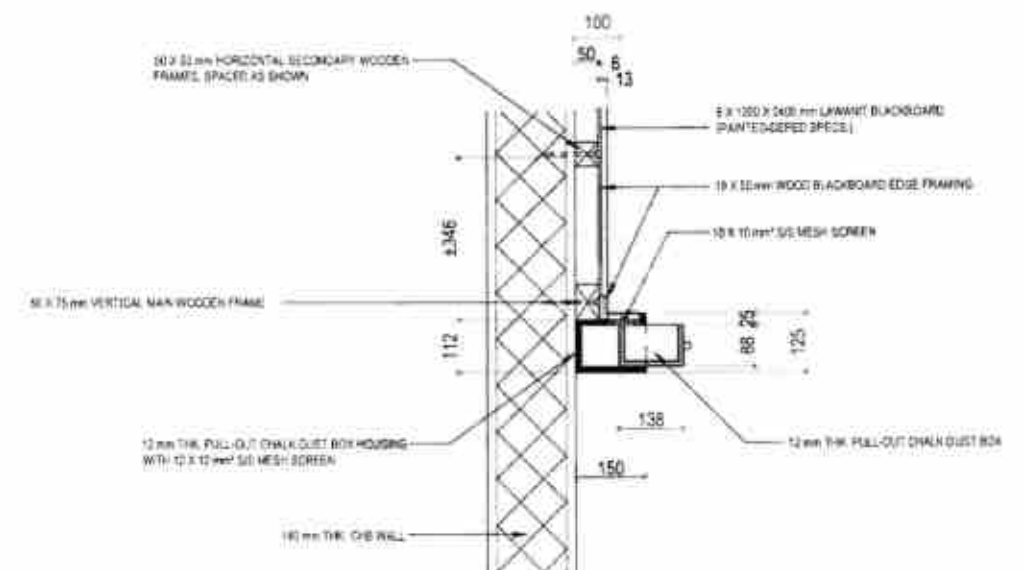


PLAN (TOP VIEW)

1
A-15
SCALE 1:20 m
DETAIL OF BLACKBOARD



SECTION (SIDE VIEW)



DETAIL SECTION (CHALK DUST BOX)



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
NORTHERN SAMAR 2ND
DISTRICT ENGINEERING OFFICE
(BISAY, BIRANG, LAGANG, NORTHERN SAMAR, REGION VI)

PROJECT NAME AND LOCATION
CONSTRUCTION OF MODIFIED DEPED-OPWH
STANDARD ONE(1)-STOREY THREE (3)-CLASSROOM
SCHOOL BUILDING AT
MARUBAY NATIONAL HIGH SCHOOL
BARANGAY MARUBAY, LAGANG,
NORTHERN SAMAR

SHEET CONTENTS
BLACKBOARD DETAIL

DRAFTED:
LUCITA XIMY MARIE O. ESIDERA
ARCHITECT
TARA FRANCIS DAINE G. PERFECTO
ARCHITECT
DATE: 20 MAY 2025

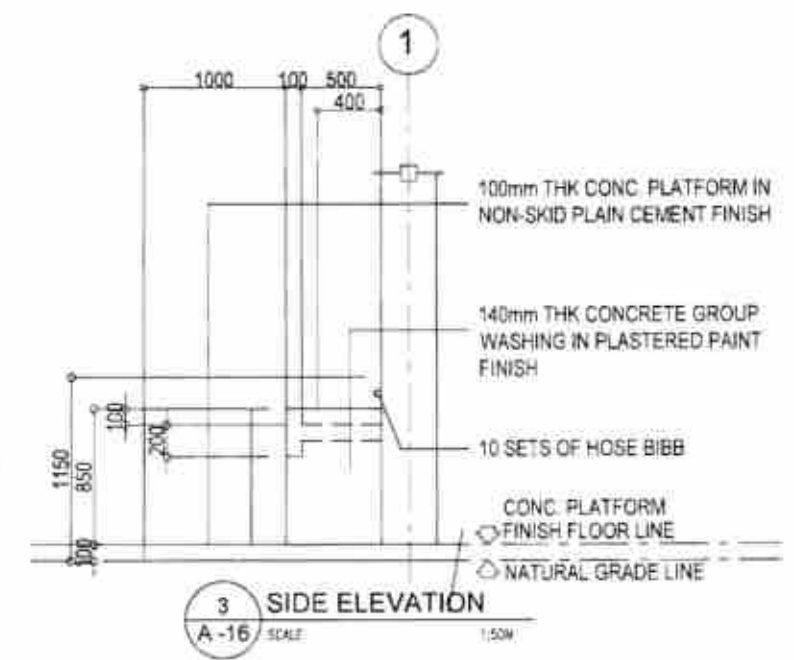
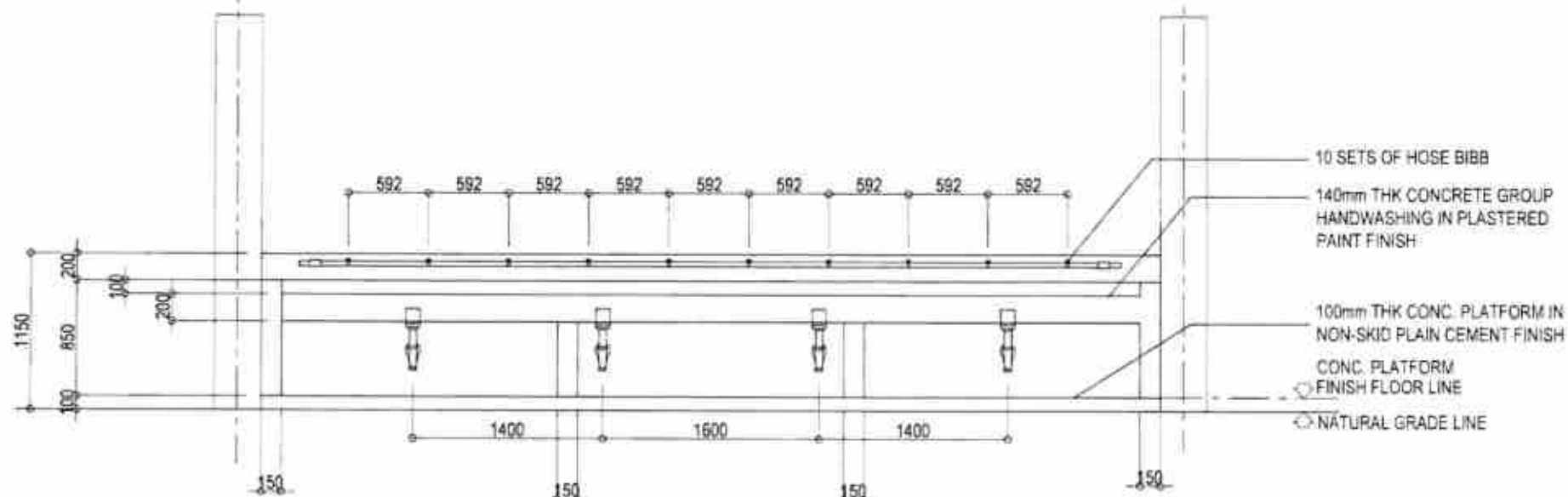
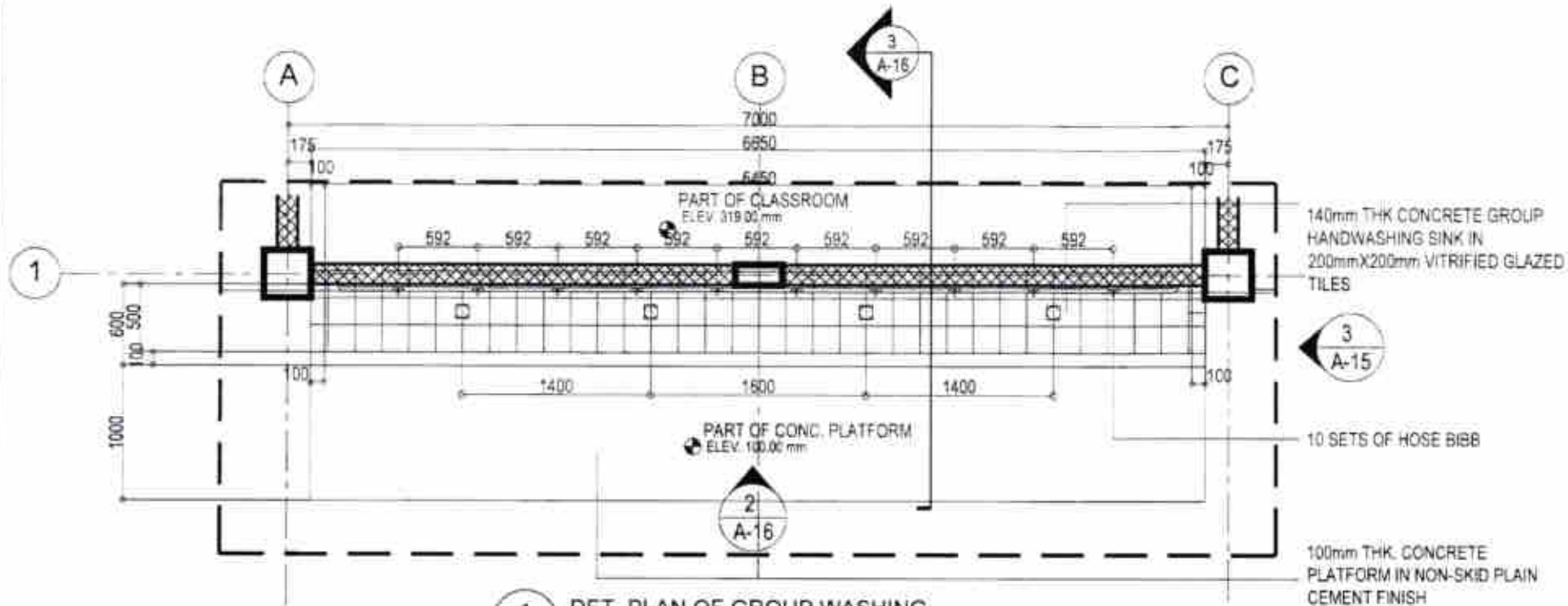
CHECKED:
RYAN H. GALLANO
ENGINEER
DATE: 21 MAY 2025

SUBMITTED:
FIONA P. BAYCADO
CHIEF PLANNING & DESIGN SECTION
DATE: 21 MAY 2025

RECOMMENDED:
FRANCISCO Y. TANALA
DISTRICT ENGINEER
DATE:

APPROVED:
ATTY. ARTHUR ERIC L. SABONG, DE
DISTRICT ENGINEER
DATE:

SHEET NO.
A
15
16
25



 Republic of the Philippines DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS NORTHERN SAMAR 2ND DISTRICT ENGINEERING OFFICE 8801 BORNALUD, LADANG, NORTHERN SAMAR, REGION VII	PROJECT NAME AND LOCATION CONSTRUCTION OF MODIFIED GEPOD-OPWH STANDARD ONE(1)-STOREY THREE (3)-CLASSROOM SCHOOL BUILDING AT MARUBAY NATIONAL HIGH SCHOOL, BARANGAY MARUBAY, LADANG, NORTHERN SAMAR	SHEET CONTENTS HANDWASH AREA DETAIL	DRAFTED LUCITA AMY MARIE D. ESIDERA ARCHITECT I PREPARED TARA FRANCIS OMNE G. PERFECTO ARCHITECT I DATE 20 MAY 2025	CHECKED RYAN K. GALLANO ENGINEER I, ASSISTANT CHIEF PLANNING & DESIGN SECTION DATE 21 MAY 2025	SUBMITTED JESONA A. BUNCIADO CHIEF PLANNING & DESIGN SECTION DATE 21 MAY 2025	RECOMMENDED FRANCISCO Y. TANALA DEPUTY CHIEF DISTRICT ENGINEER DATE	APPROVED ATTY. ARTHUR ERIC L. SABONG, CE OC DISTRICT ENGINEER DATE	SET NO. 18 SHEET NO. 38
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GENERAL CONSTRUCTION NOTES

TABLE A
TENSION BARS
TABLE OF LAP SPICE & ANCHORAGE LENGTH (mm)

BAR SIZE (mm)	15% TYP. REINFORCING		15% TYP. REINFORCING	
	EMBEDMENT	LAP	EMBEDMENT	LAP
8	80	300	80	300
10	100	350	100	350
12	120	400	120	400
14	140	450	140	450
16	160	500	160	500
18	180	550	180	550
20	200	600	200	600
22	220	650	220	650
24	240	700	240	700
26	260	750	260	750
28	280	800	280	800
30	300	850	300	850

NOTES:
1. TOP AND BOTTOM BARS SHALL BE LAP SPICED AT 10% OF THE BAR LENGTH.
2. NOT MORE THAN ONE LAP SHALL BE PLACED WITHIN THE REQUIRED LAP LENGTH.
3. THE LAP SPICE SHALL BE PLACED AT THE MID-SPAN OF THE MEMBER.

TABLE B
COMPRESSION BARS
TABLE OF LAP SPICE & ANCHORAGE LENGTH (mm)

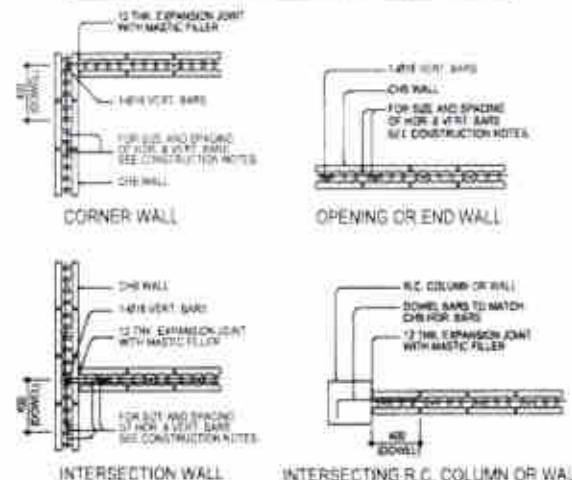
BAR SIZE (mm)	15% TYP. REINFORCING		15% TYP. REINFORCING	
	EMBEDMENT	LAP	EMBEDMENT	LAP
8	80	300	80	300
10	100	350	100	350
12	120	400	120	400
14	140	450	140	450
16	160	500	160	500
18	180	550	180	550
20	200	600	200	600
22	220	650	220	650
24	240	700	240	700
26	260	750	260	750
28	280	800	280	800
30	300	850	300	850

NOTES:
1. TOP AND BOTTOM BARS SHALL BE LAP SPICED AT 10% OF THE BAR LENGTH.
2. NOT MORE THAN ONE LAP SHALL BE PLACED WITHIN THE REQUIRED LAP LENGTH.
3. THE LAP SPICE SHALL BE PLACED AT THE MID-SPAN OF THE MEMBER.

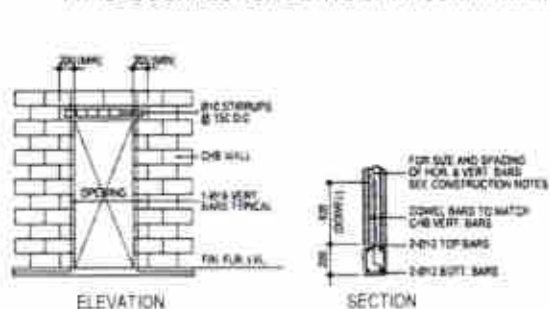
REINFORCING CONCRETE LINTEL BEAMS IN CONCRETE BLOCK WALLS

TABLE C
LINTELS IN BLOCK WALLS

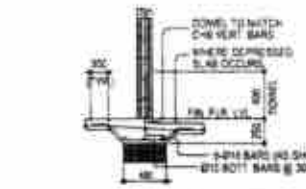
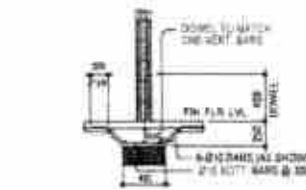
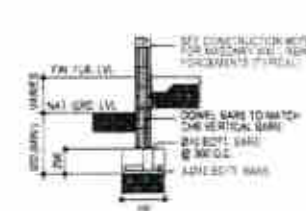
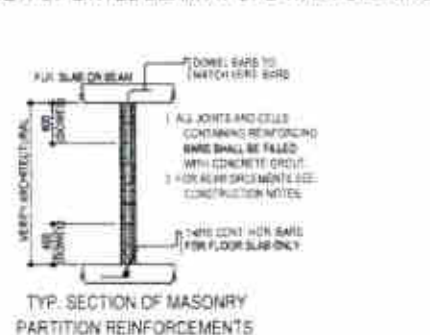
CLEAR SPAN (m)	TOTAL LENGTH (m)	MIN. NO. OF BARS	REINFORCEMENT	
			TOP	BOTTOM
1.0	1.0	2	2-12mm	2-12mm
1.5	1.5	3	2-12mm	2-12mm
2.0	2.0	4	2-12mm	2-12mm
2.5	2.5	5	2-12mm	2-12mm
3.0	3.0	6	2-12mm	2-12mm
3.5	3.5	7	2-12mm	2-12mm
4.0	4.0	8	2-12mm	2-12mm
4.5	4.5	9	2-12mm	2-12mm
5.0	5.0	10	2-12mm	2-12mm



TYPICAL CONNECTION DETAIL OF MASONRY WALL



TYP. DET. OF LINTEL BEAM AT CHB WALL OPENING

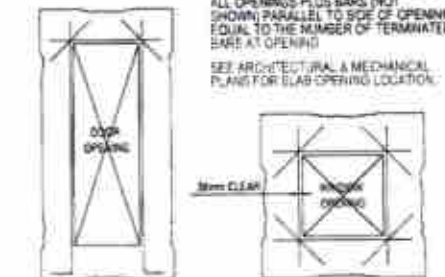


NOTES ON CONCRETE WALLS

- ALL WALLS SHALL BE REINFORCED ACCORDING TO THE FOLLOWING SCHEDULE OF WALL REINFORCEMENT UNLESS OTHERWISE INDICATED IN THE PLANS.

WALL THICKNESS	REINFORCEMENT		REMARKS	VERTICAL SECTION
	HORIZONTAL	VERTICAL		
100mm	2-12mm @ 250mm O.C.	2-12mm @ 300mm O.C.	HORIZONTAL BARS AT CORNERS VERTICAL BARS STAGGERED OUT	
125mm	2-12mm @ 250mm O.C.	2-12mm @ 300mm O.C.		
150mm	2-12mm @ 250mm O.C.	2-12mm @ 300mm O.C.		

- REINFORCING BARS SHALL HAVE 25mm CLEAR CONCRETE COVER FROM FACE OF WALL EXCEPT FOR WALLS IN CONTACT WITH THE GROUND WHERE A MINIMUM OF 10mm SHALL BE PROVIDED AND FOR EXPOSED FACES OF FORMED WALLS WHERE THE MINIMUM SHALL BE 50mm CLEAR.
- CARRY VERTICAL BARS AT LEAST 10mm ABOVE FLOOR LEVEL TO PROVIDE FOR SPLICES WHEN NECESSARY STOP AT 50mm BELOW TOP SLAB OR SOLID BAND WHERE THE WALL ENDS VERTICAL AND HORIZONTAL BARS SHALL BE SPLICED BY LAPPING A DISTANCE EQUAL TO 30 DIAMETERS AND WIRE SECURELY WITH 16 G. WIRE PROVIDED THAT SPLICES IN ADJACENT BARS ARE STAGGERED AT LEAST 1.50m O.C.
- UNLESS OTHERWISE NOTED IN THE PLANS, ALL OPENINGS IN WALLS 250mm OR THICKER SHALL BE REINFORCED AROUND WITH 2-12mm BARS. FOR 250mm, 200mm, 175mm, 150mm THICK WALLS, USE 2-16mm FOR 125mm AND 100mm THICK WALLS USE 2-12mm BARS. ALL WALLS SPANNING SHALL HAVE VERTICAL REINFORCEMENT BENT A U FORM LIKE STRIPS AND SPACED ACCORDING TO THE SCHEDULE UNLESS OTHERWISE NOTED.



NOTES ON CONSTRUCTION JOINTS IN CONCRETE

- WHERE A CONSTRUCTION JOINT IS TO BE MADE, THE SURFACE OF CONCRETE SHALL BE CLEANED AND ALL LANTAGE AND STANDING WATER REMOVED SHEAR KEY SHALL BE PROVIDED AT THE JOINT.



NOTES ON CONCRETE HOLLOW BLOCKS WALLS

- UNLESS OTHERWISE SHOWN IN PLANS ALL CONCRETE HOLLOW BLOCKS AND CERAMIC BLOCKS SHALL BE REINFORCED AS SHOWN IN THE SCHEDULE OF CONCRETE HOLLOW BLOCKS AND CERAMIC BLOCK REINFORCEMENT.
- PROVIDE 150mm x 300mm STIFFENER COLUMN REINFORCED WITH 4-12mm WITH 15mm @ 150mm ON CENTER WHERE CONCRETE HOLLOW BLOCK TERMINATES AND AT EVERY 3.0m LENGTH OF CONCRETE HOLLOW BLOCK WALLS UNLESS NOTED IN STRUCTURAL PLANS.

NOTES ON CONCRETE HOLLOW BLOCKS WALLS

- UNLESS OTHERWISE SHOWN IN PLANS ALL CONCRETE HOLLOW BLOCKS AND CERAMIC BLOCKS SHALL BE REINFORCED AS SHOWN IN THE SCHEDULE OF CONCRETE HOLLOW BLOCKS AND CERAMIC BLOCK REINFORCEMENT.
- PROVIDE 150mm x 300mm STIFFENER COLUMN REINFORCED WITH 4-12mm WITH 15mm @ 150mm ON CENTER WHERE CONCRETE HOLLOW BLOCK TERMINATES AND AT EVERY 3.0m LENGTH OF CONCRETE HOLLOW BLOCK WALLS UNLESS NOTED IN STRUCTURAL PLANS.

NOTES ON CONCRETE HOLLOW BLOCKS WALLS REINFORCEMENTS

BLOCK THICKNESS	REINFORCEMENT		NOTES
	HORIZONTAL	VERTICAL	
75 mm	10mm @ EVERY 3RD LEVEL	10mm @ 600mm O.C.	A. MINIMUM LAPS AT SPICE > 0.25 M B. PROVIDE RIGHT ANGLED REINFORCEMENT AT CORNERS (90° MIN LONG)
100 mm	10mm @ EVERY 3RD LEVEL	10mm @ 600mm O.C.	C. WHERE CHB OR CER. BLK. WALL DOWNS WITH THE SAME SIZE AS VER. OR HOR. REINFORCEMENT SHALL BE PROVIDED
125 mm	10mm @ EVERY 3RD LEVEL	10mm @ 600mm O.C.	
150 mm	10mm @ EVERY 3RD LEVEL	10mm @ 600mm O.C.	
200 mm	12mm @ EVERY 3RD LEVEL	10mm @ 600mm O.C.	



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
NORTHERN SAMAR 2ND
DISTRICT ENGINEERING OFFICE
BRDY BUKANG LACANG, NORTHERN SAMAR, REGION VII

PROJECT NAME AND LOCATION
CONSTRUCTION OF MODIFIED DEP-ED-OPWH STANDARD ONE (1) STOREY THREE (3) CLASSROOM SCHOOL BUILDING AT MARUBAY ELEMENTARY SCHOOL, BARANGAY MARUBAY, LACANG, NORTHERN SAMAR

SHEET CONTENTS
GENERAL CONSTRUCTION NOTES

DRAFTED
LUCITAVIA MARIE D. ESIDERA
ARCHITECT
TARA FRANCIS DANIE G. PERFECTO
ARCHITECT
DATE 20 MAY 2025

CHECKED
FRAN H. GELAND
ENGINEER & ASSISTANT CHIEF PLANNING & DESIGN SECTION
DATE 21 MAY 2025

SUBMITTED
EDNA A. BUNGUADO
CHIEF PLANNING & DESIGN SECTION
DATE 21 MAY 2025

RECOMMENDED
FRANCIS Y. TANALA
ARCHITECT
DATE 22 MAY 2025

APPROVED
ATTY. ARTHUR ERIC SABONG, CE
DISTRICT ENGINEER
DATE 22 MAY 2025

SHEET NO. 5
SHEET NO. 10

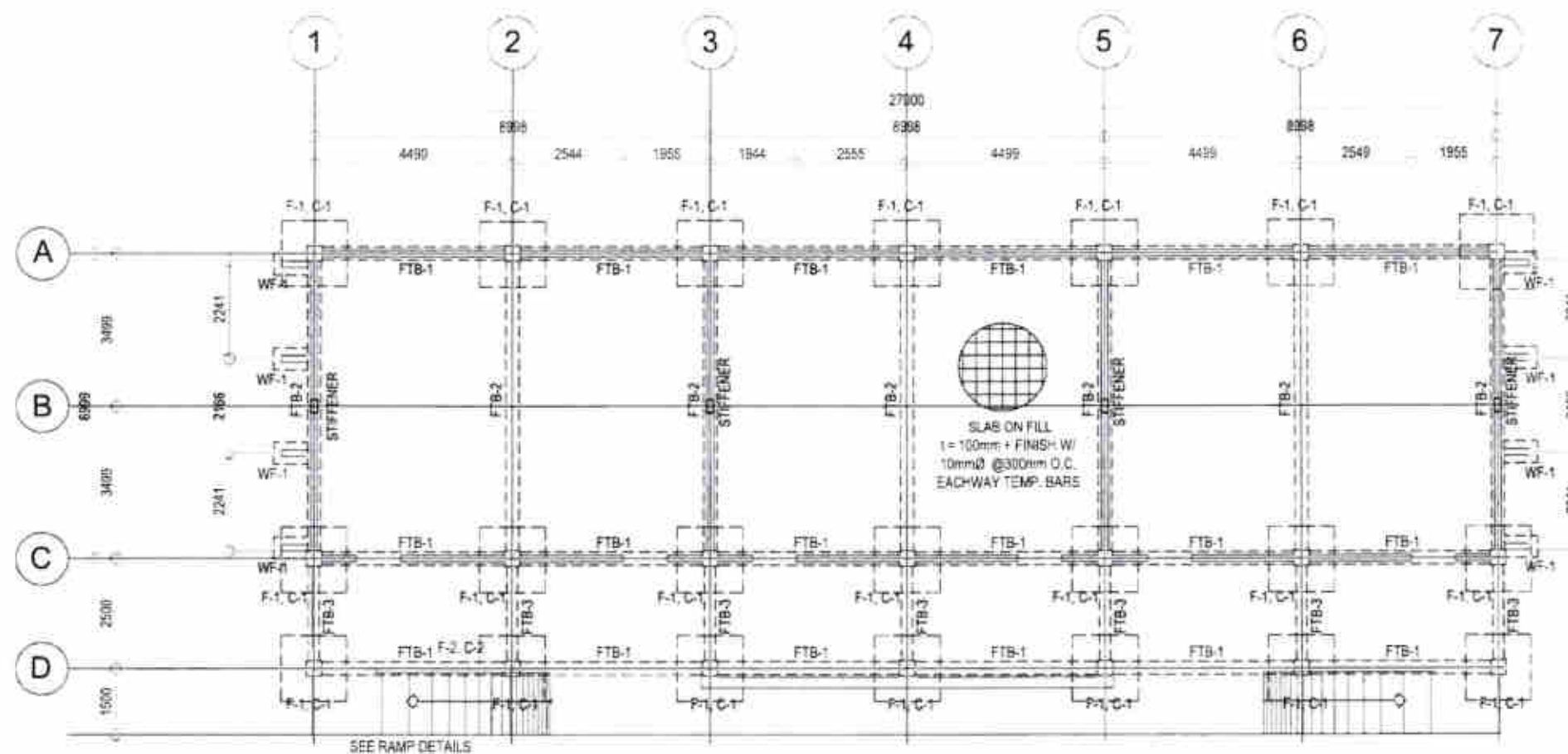
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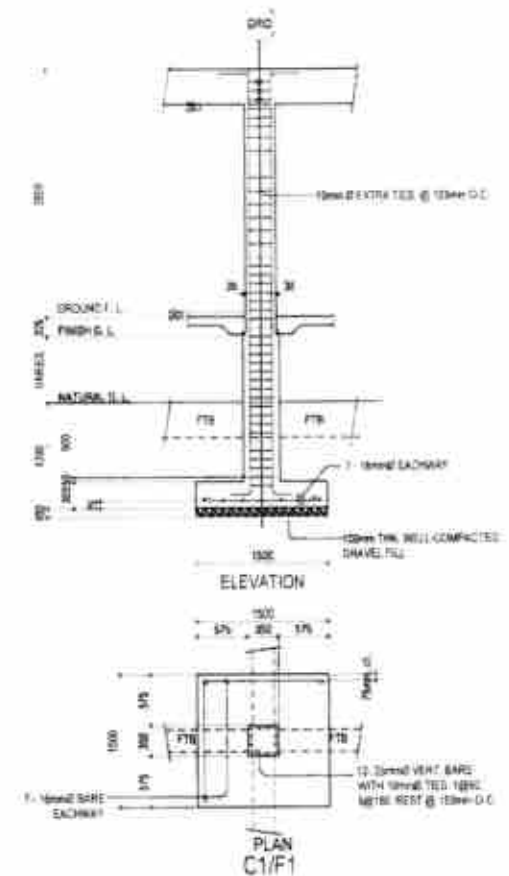
21 MAY 2025

22 MAY 2025

22 MAY 2025



1 FOUNDATION PLAN
S-3 SCALE 1:100 mm



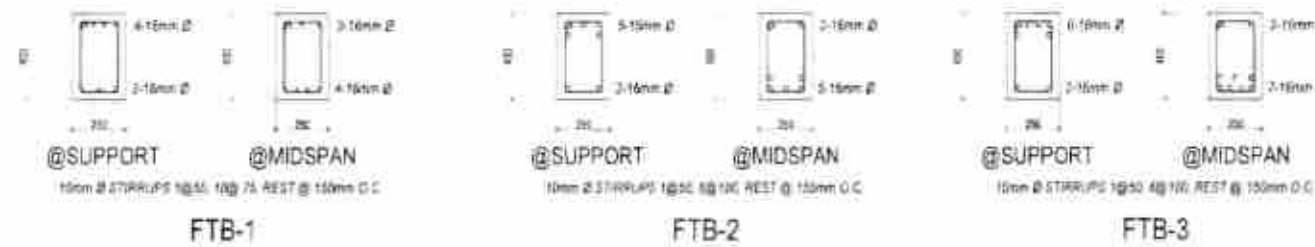
2 DETAIL OF COLUMNS AND FOOTINGS
S-3 SCALE 1:40 mm

PROJECT NAME AND LOCATION	SHEET CONTENTS	DRAFTED	CHECKED	SUBMITTED	RECOMMENDED	APPROVED	SET NO.	SHEET NO.
Republic of the Philippines DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS NORTHERN SAMAR 2ND DISTRICT ENGINEERING OFFICE BRDY, BUNABUL LAGANG, NORTHERN SAMAR, REGION VII	CONSTRUCTION OF MODIFIED DEPED-DPMH STANDARD ONE(1)-STOREY THREE (3)-CLASSROOM SCHOOL BUILDING AT MARUBAY ELEMENTARY SCHOOL, BARANGAY MARUBAY, LAGANG, NORTHERN SAMAR	FOUNDATION PLAN DETAIL OF COLUMN AND FOOTING (C1/F1)	LUCITA AMY MARIE D. ESIDERA ARCHITECT PREPARED TARA FRANCIS DIANE G. PERFECTO ARCHITECT & PLANNING DESIGN SECTION	RYAN H. GARCIA ENGINEER I ASSISTED ONE PLANNING DESIGN SECTION	FIONA A. TORRECIADO ENGINEER I ASSISTED ONE PLANNING DESIGN SECTION	FRANCISCO V. TAKALA CIVIL ENGINEER ATTY. ARTHUR MERIC SABONG, CE CIVIL ENGINEER	5 3	19 25

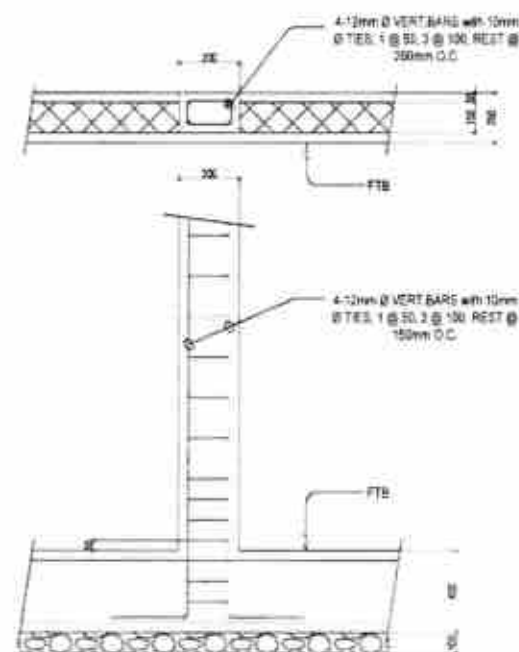
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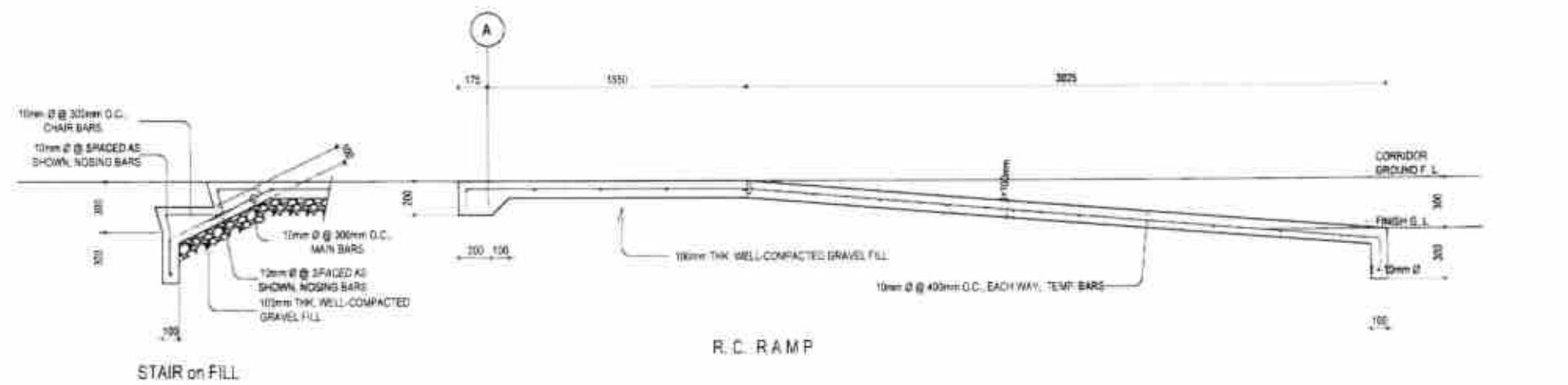
21 MAY 2025



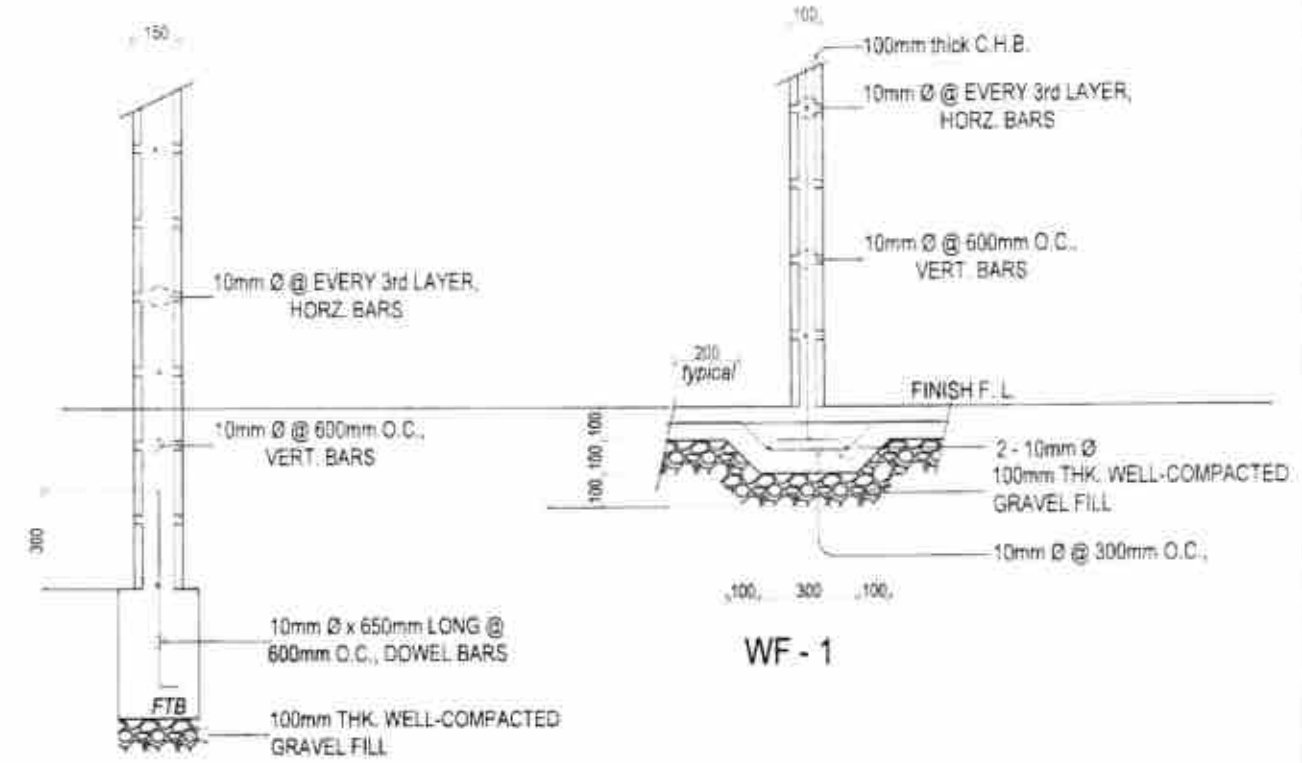
2
S-4
DETAIL OF FOOTING TIE BEAMS
SCALE 1:20 m



1
S-4
STIFFENER DETAIL
SCALE 1:20 mm



4
S-4
DETAIL SECTIONS OF STAIR ON FILL and R.C. RAMP
SCALE 1:20 mm



3
S-4
DETAILS OF WALL-FOOTINGS
SCALE 1:20 mm



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
NORTHERN SAMAR 2ND DISTRICT ENGINEERING OFFICE
BPO 211 SUPERBLOK LAGUNA, NORTHERN SAMAR REGION VII

PROJECT NAME AND LOCATION
CONSTRUCTION OF MODIFIED DEPED-DPAW STANDARD ONE(1)-STOREY THREE (3)-CLASSROOM SCHOOL BUILDING AT MARUBAY ELEMENTARY SCHOOL, BARANGAY MARUBAY, LAOANG, NORTHERN SAMAR

SHEET CONTENTS
DETAIL OF WALL FOOTINGS
DETAIL SECTION OF STAIR ON FILL AND R.C. RAMP
DETAIL OF FOOTING TIE BEAMS
STIFFENER DETAIL

DRAFTED
LUCITA AMY MARIE D. ESIDERA
(PROJECT)
PREPARED
TARA FRANCIS JANE G. PERFECTO
(ARCHITECT)
DATE
PLANNING & DESIGN SECTION

CHECKED
RYAN H. GALIANO
(ENGINEER)
DATE
PLANNING & DESIGN SECTION

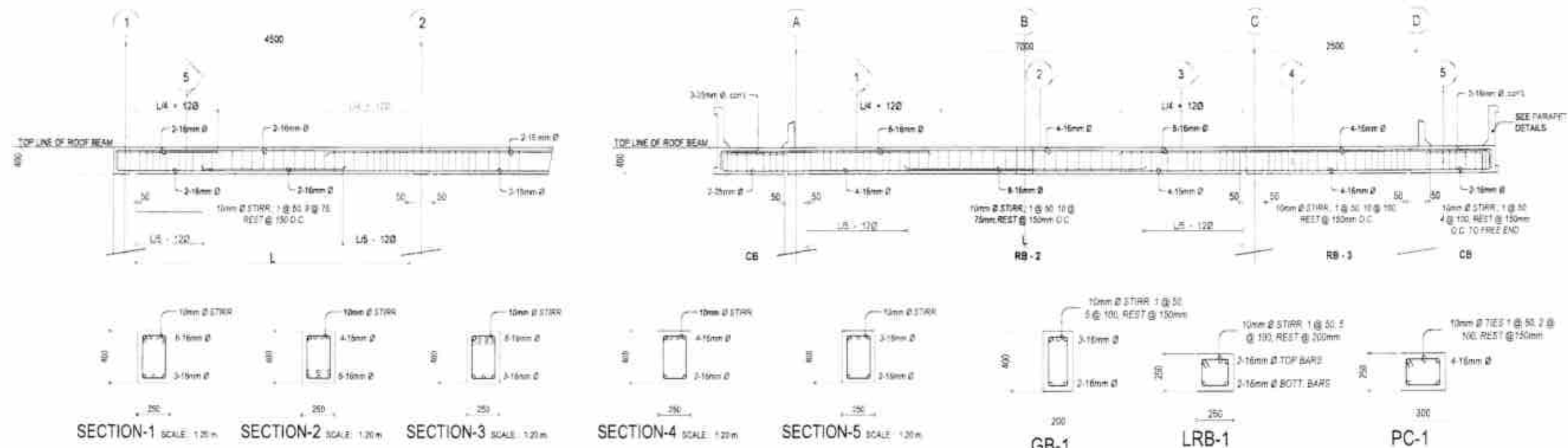
SUBMITTED
FRANCA ANUNCIADO
(ENGINEER)
DATE
PLANNING & DESIGN SECTION

RECOMMENDED
FRANCISCO Y. TANALA
(ENGINEER)
DATE
DISTRICT ENGINEER

APPROVED
ATTY. ARTHUR ERIC L. SABONDO CE
(COUNSEL)
DATE
DISTRICT ENGINEER

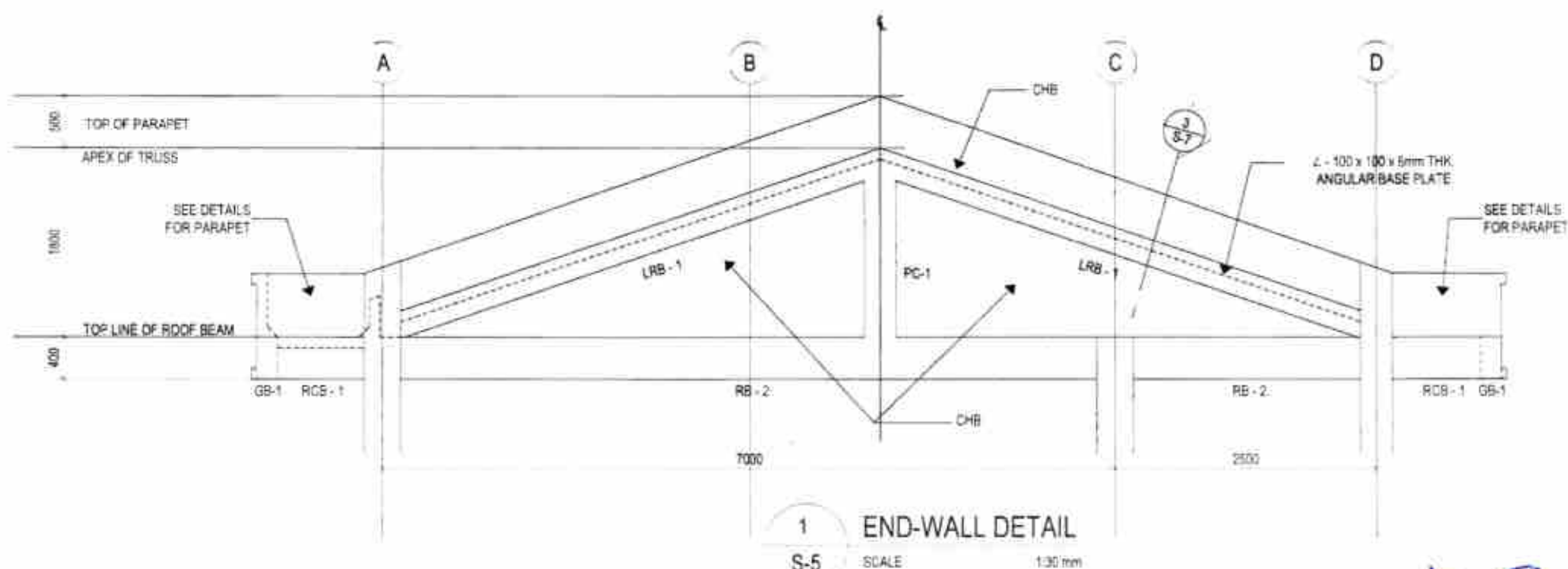
SET NO.	SHEET NO.
5	20
4	10

20 MAY 2025 21 MAY 2025 21 MAY 2025



2 ROOF BEAM DETAILS
S-5 SCALE 1:40 mm

3 DETAIL OF GB-1, LRB-1 & PC-1
S-5 SCALE 1:20 m



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
NORTHERN SAMAR 2ND
DISTRICT ENGINEERING OFFICE
Brgy. Buralud, Laoang, Northern Samar, Region VIII

PROJECT NAME AND LOCATION
CONSTRUCTION OF MODIFIED DEPED-DPMH
STANDARD ONE(1)-STOREY THREE (3)-CLASSROOM
SCHOOL BUILDING AT
MARUBAY ELEMENTARY SCHOOL,
BARANGAY MARUBAY, LAOANG,
NORTHERN SAMAR

SHEET CONTENTS
ROOF BEAM DETAILS
DETAIL OF GB-1, LRB-1 & PC-1
END WALL DETAIL

DRAWN BY
LUCITA ANN MARIE D. ESIDERA
ARCHITECT
PREPARED BY
TARA FRANCIS DIANE G. PERFECTO
ARCHITECT
DATE
20 MAY 2025

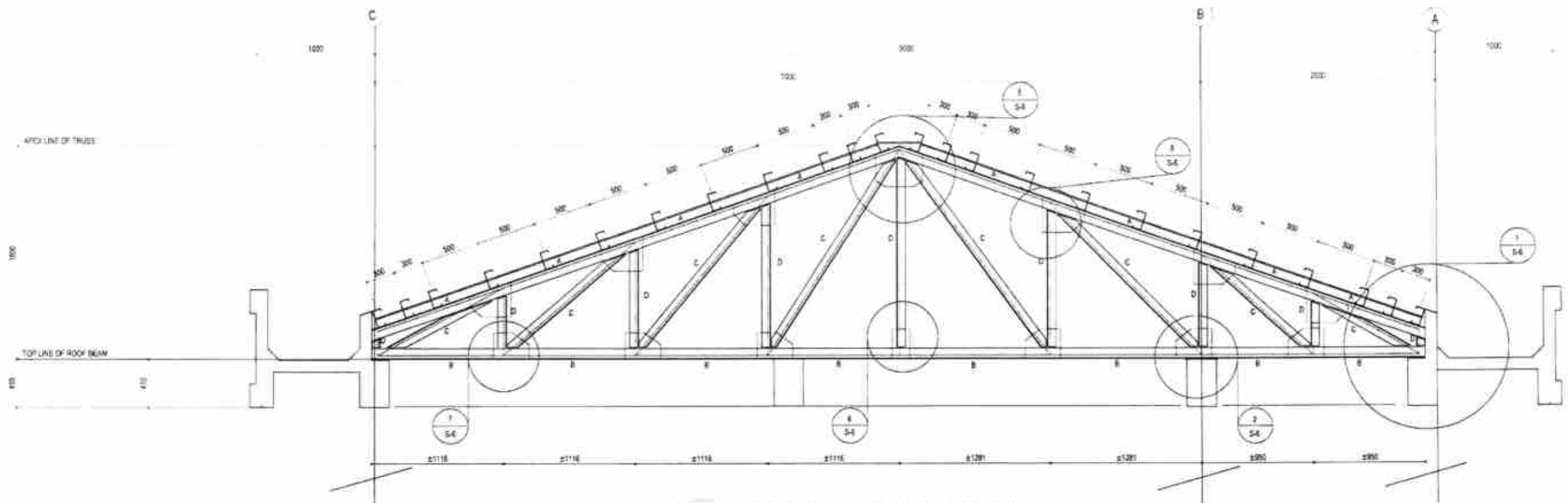
CHECKED BY
RYAN H. GALLANO
ENGINEER - ASSISTANT CHIEF
ARCHITECT
DATE
21 MAY 2025

SUBMITTED BY
EDWIN MANCADO
CHIEF PLANNING & DESIGN SECTION
DATE
21 MAY 2025

RECOMMENDED BY
FRANCISCO Y. TANALA
REGISTERED PROFESSIONAL ENGINEER
DATE

APPROVED BY
ATTY. ARTHUR EDEL L. SABORDA, CE
DISTRICT ENGINEER
DATE

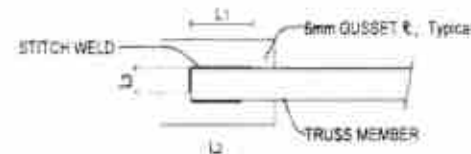
SHEET NO.
5
SHEET NO.
10



1
S-6
SCALE 1:20 mm

NOTES ON ROOF CONSTRUCTION:

1. IN ACTUAL FABRICATION OF STEEL TRUSSES, MEMBERS MEETING AT POINT SHALL HAVE THEIR GRAVITY AXIS INTERSECT AS NEARLY AS PRACTICABLE AT A COMMON POINT.
2. THE CONTRACTOR SHALL PROVIDE TEMPORARY ERECTION BRACINGS AND SHORING, AND MAKE ACTUAL MEASUREMENTS IN THE FIELD PRIOR TO FABRICATION/INSTALLATION OF ALL TRUSSES.
3. THE FABRICATOR/CONTRACTOR SHALL SUBMIT SHOP DRAWINGS PRIOR TO FABRICATION OF TRUSSES FOR APPROVAL OF THE DIRECTOR, BUREAU OF DESIGN.



2
S-6
SCALE 1:10 m

SCHEDULE OF MEMBERS AND WELDS

SCHEDULE OF MEMBERS AND WELDS						
MARK	TRUSS MEMBERS SIZES	SIZE OF WELDS				REMARKS
		THICKNESS	LENGTH, mm			
			L ₁	L ₂	L ₃	
A	2x8 - 75 x 75 x 6	6mm	FULL WELD			
B	2x8 - 75 x 75 x 6	6mm	125	100	50	
C	2x8 - 50 x 50 x 6	6mm	125	100	50	
D	2x8 - 50 x 50 x 6	6mm	100	75	50	



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
NORTHERN SAMAR 2ND
DISTRICT ENGINEERING OFFICE
BRGY. BUNABU, LAGANG, NORTHERN SAMAR, REGION VII

PROJECT NAME AND LOCATION
CONSTRUCTION OF MODIFIED DEPED-DPWH
STANDARD ONE (1)-STOREY THREE (3)-CLASSROOM
SCHOOL BUILDING AT
MARUBAY ELEMENTARY SCHOOL
BARANGAY MARUBAY, LAGANG,
NORTHERN SAMAR

SHEET CONTENTS
DETAIL ELEVATION OF TRUSS
SCHEDULE OF TRUSS MEMBERS
AND WELDS
REFERENCE WELD DETAIL

DRAWN BY
LUCITA ANN MARIE D. ESIDERA
CHECKED BY
TARA FRANCIS-DAVE G. PERFECTO
DATE
20 MAY 2025

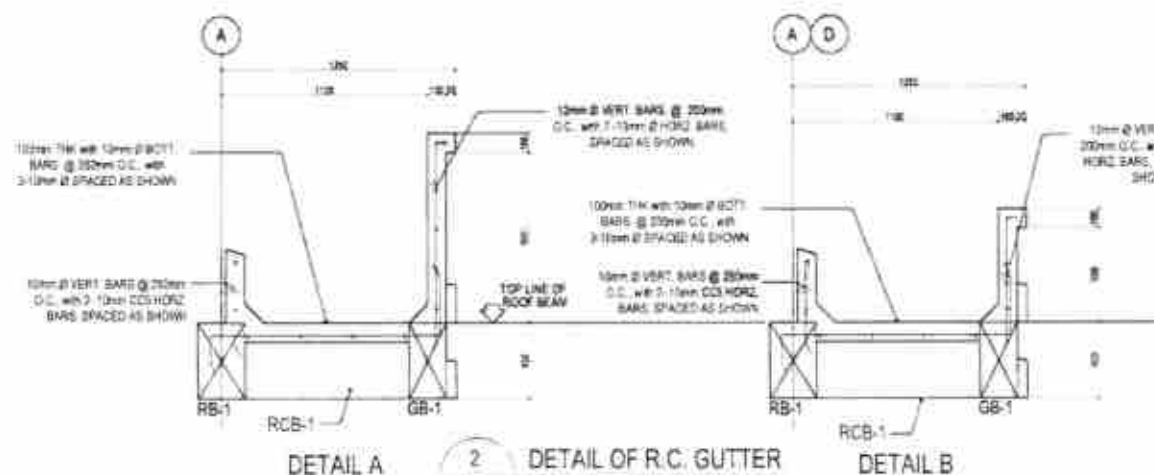
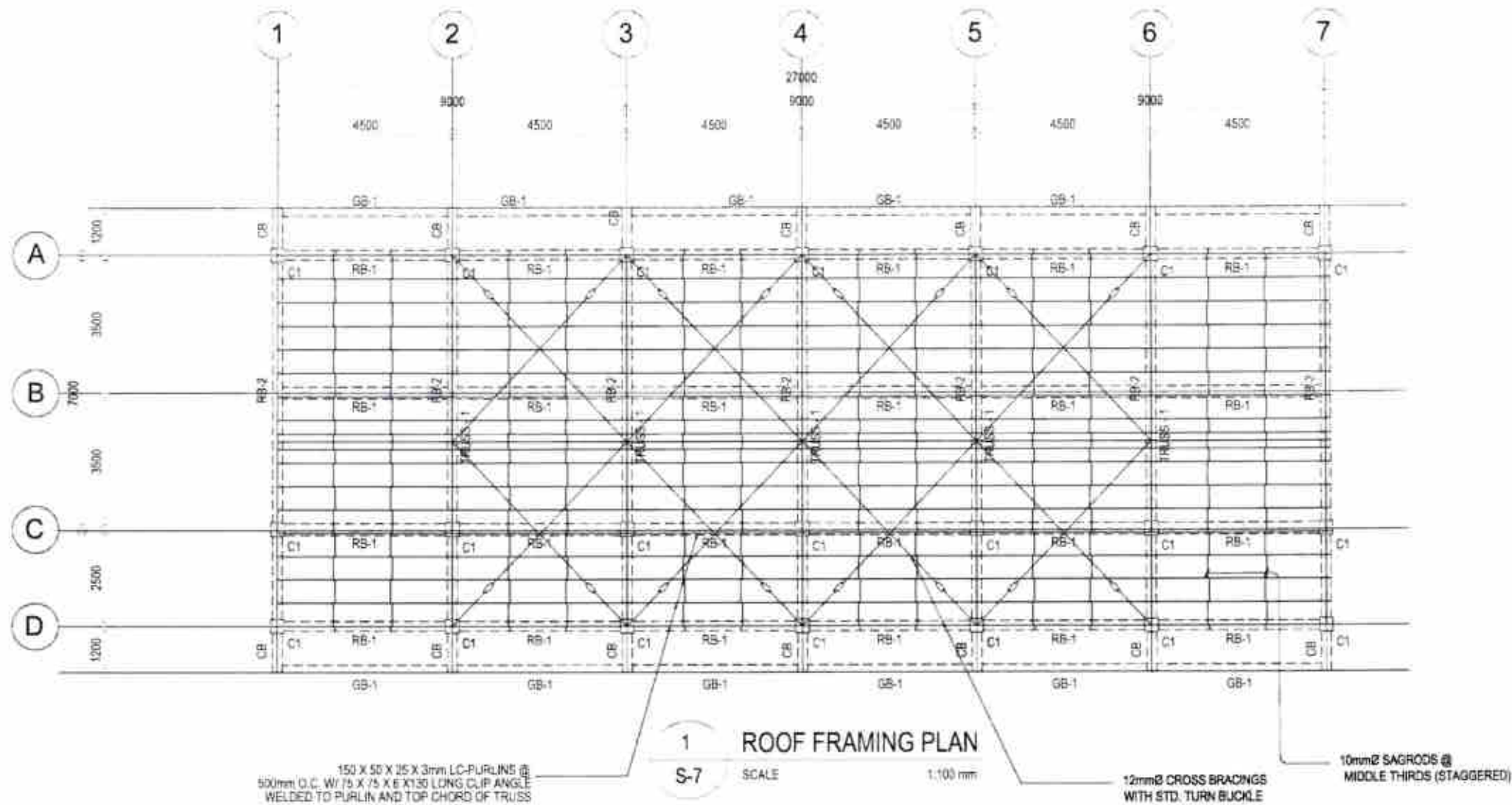
DESIGNED BY
RYAN H. GALERNO
DATE
21 MAY 2025

SUBMITTED BY
FRANZ A. MONTEADO
DATE
21 MAY 2025

RECOMMENDED BY
FRANZ A. MONTEADO
DATE
22 MAY 2025

APPROVED BY
ATTY. ARTHUR BOCAL SARDONG, CE
DATE
22 MAY 2025

SHEET NO.
10
SHEET NO.
25



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
NORTHERN SAMAR 2ND DISTRICT ENGINEERING OFFICE
BDOY, BUNABUD, LAGANG, NORTHERN SAMAR, REGION VII

PROJECT NAME AND LOCATION
CONSTRUCTION OF MODIFIED DEPED-DPWH STANDARD ONE(1)-STOREY THREE (3)-CLASSROOM SCHOOL BUILDING AT MARUBAY ELEMENTARY SCHOOL, BARANGAY MARUBAY, LAGANG, NORTHERN SAMAR

SHEET CONTENTS
ROOF FRAMING PLAN
DETAIL OF R.C. GUTTER

DRAFTED
LUCITA M. MARIE D. ESIDERA
CHECKED
TARA FRANCIS DAME G. PERFECTO
DATE
20 MAY 2025

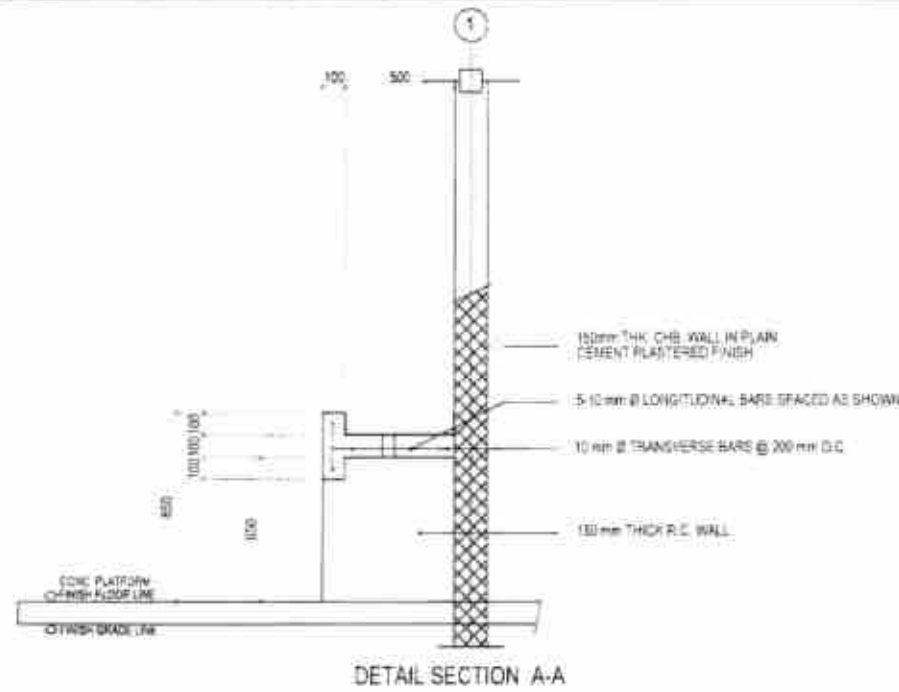
SUBMITTED
RYAN R. GALLANO
ENGINEER ASSISTANT ONE
DATE
21 MAY 2025

RECOMMENDED
EJORA A. BRUNCIADO
SHEP. PLANNING & DESIGN SECTION
DATE
21 MAY 2025

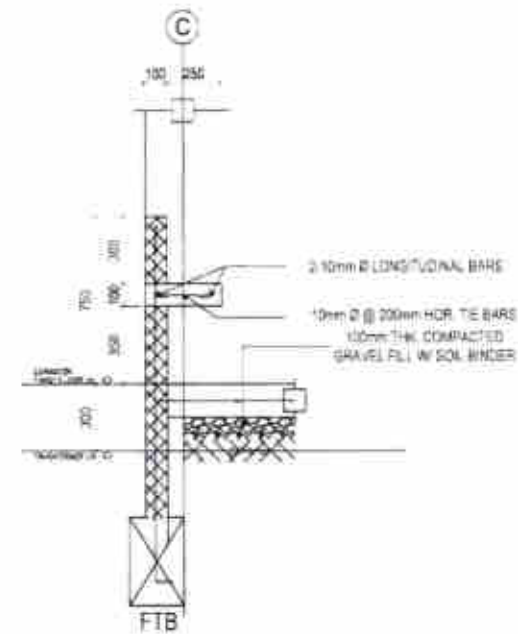
APPROVED
FRANCISCO Y. TANALA
REGISTERED DISTRICT ENGINEER
DATE
22 MAY 2025

ATTY. ARTHUR ERIC L. BARONG, CE
DISTRICT ENGINEER
DATE
22 MAY 2025

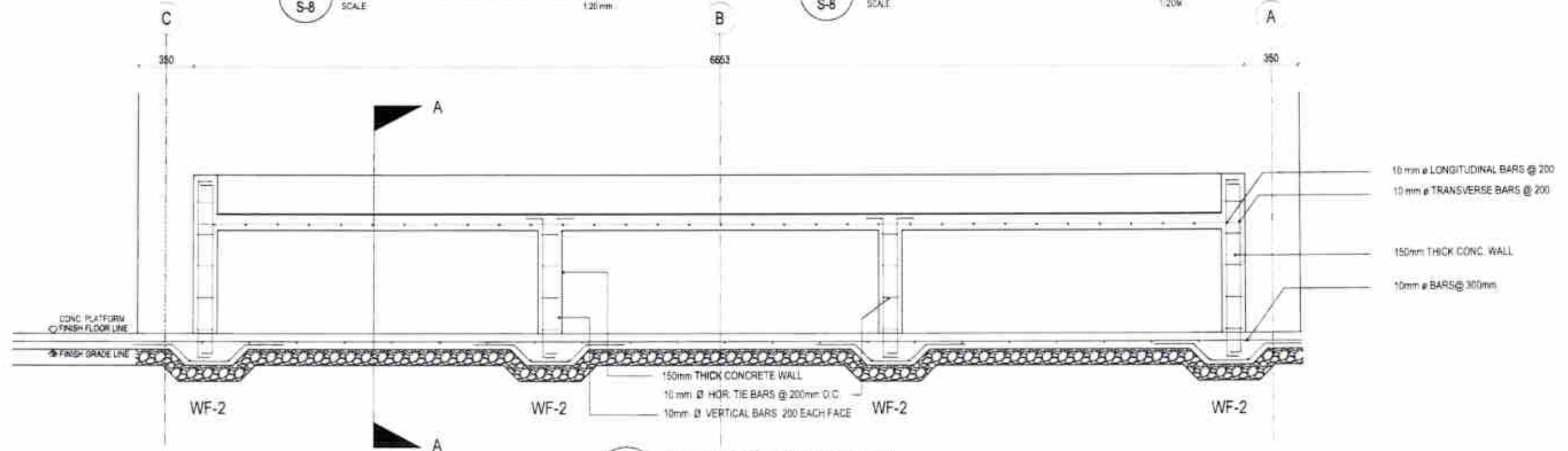
SET NO. 5
SHEET NO. 10



1 DETAILS OF LAVATORY (HANDWASH)
S-8 SCALE: 1:20mm



2 DETAIL - 4 (CONC. SEATING DETAIL)
S-8 SCALE: 1:20mm



3 DETAILS OF HAND WASH
S-8 SCALE: 1:15m



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
NORTHERN SAMAR 2ND
DISTRICT ENGINEERING OFFICE
(BIDY, BUIBAY, LADANG, NORTHERN SAMAR, REGION VIII)

PROJECT NAME AND LOCATION
CONSTRUCTION OF MODIFIED DEPED-OPWH
STANDARD ONE-1-STOREY THREE (3)-CLASSROOM
SCHOOL BUILDING AT
MARUBAY ELEMENTARY SCHOOL
BARANGAY MARUBAY, LADANG,
NORTHERN SAMAR

SHEET CONTENTS
DETAILS OF LAVATORY
(HANDWASH)
DETAILS OF CONCRETE
SEATING

DRAFTED
LUCITA ANN MARIE D. ESIDERA
ARCHITECT
PREPARED
TARA FRANCIS DIANE G. PERFECTO
ARCHITECT
DATE
20 MAY 2025

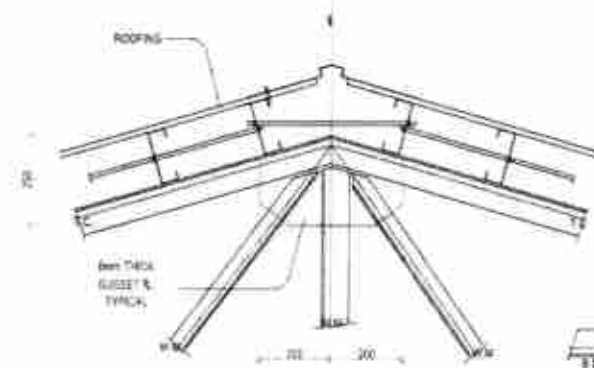
CHECKED
RYAN H. GALLANO
ENGINEER & ASSISTANT DISTRICT
PLANNING & DESIGN SECTION
DATE
21 MAY 2025

SUBMITTED
TINA A. FRANCIA
DISTRICT ENGINEER
DATE
21 MAY 2025

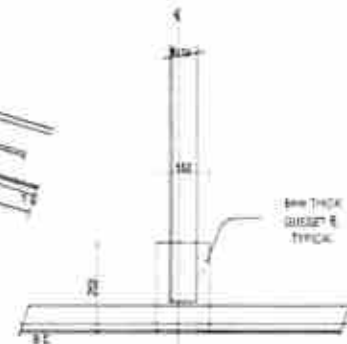
RECOMMENDED
FRANCIS Y. TANALA
DISTRICT ENGINEER
DATE
22 MAY 2025

APPROVED
ATTY. ARTHUR ERIC L. SABONG, CE
DISTRICT ENGINEER
DATE
22 MAY 2025

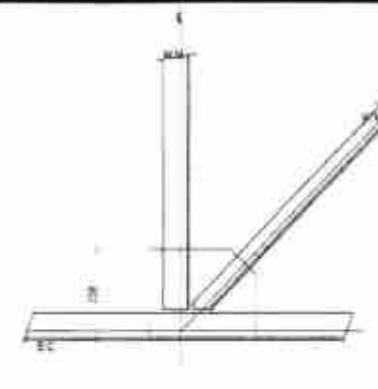
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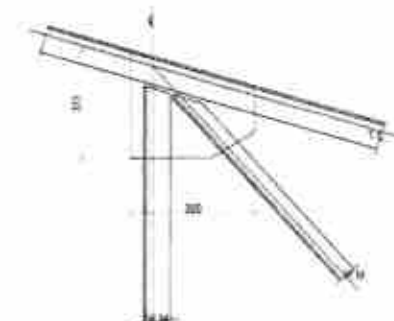
1
S-9
DETAIL 1
SCALE 1:10m



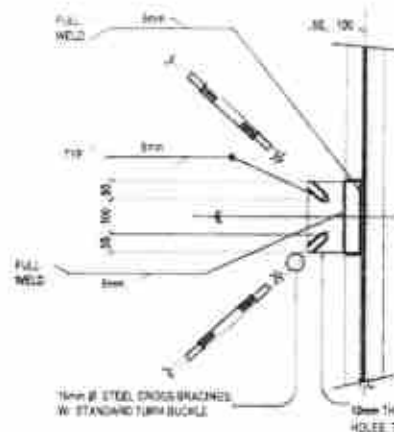
2
S-9
DETAIL 2
SCALE 1:10m



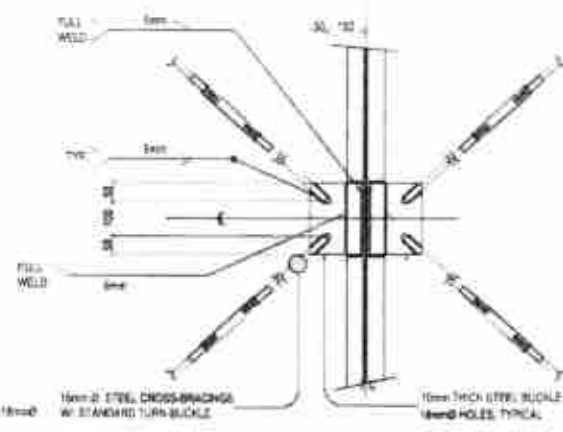
3
S-9
DETAIL 3
SCALE 1:10m



4
S-9
DETAIL 4
SCALE 1:10m

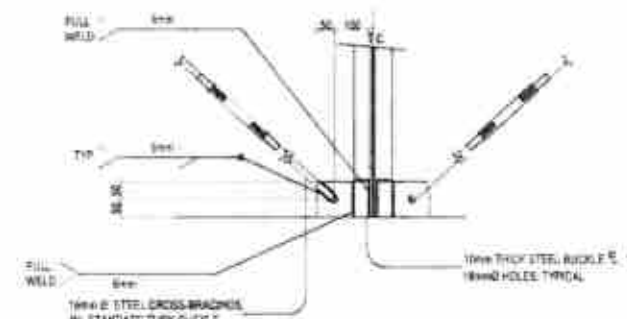


AT END WALL

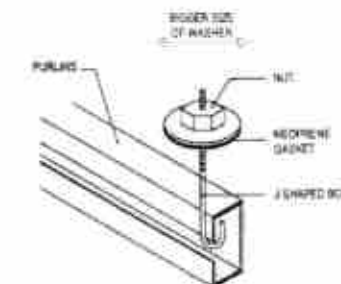


AT APEX OF TRUSS

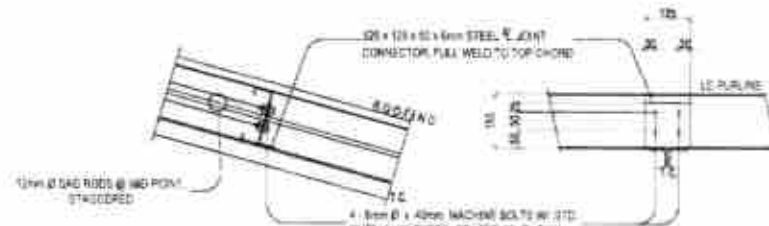
5
S-9
DETAIL CONN. OF CROSS-BRACING
SCALE 1:10m



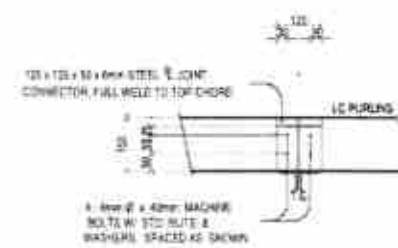
ALONG GRID LINE A & C



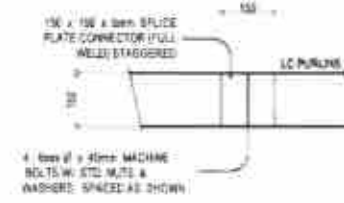
7
S-9
ROOFING FIXER
SCALE 1:10m



8
S-9
DETAIL CONN. OF PURLIN TO TOP CHORD
SCALE 1:10m

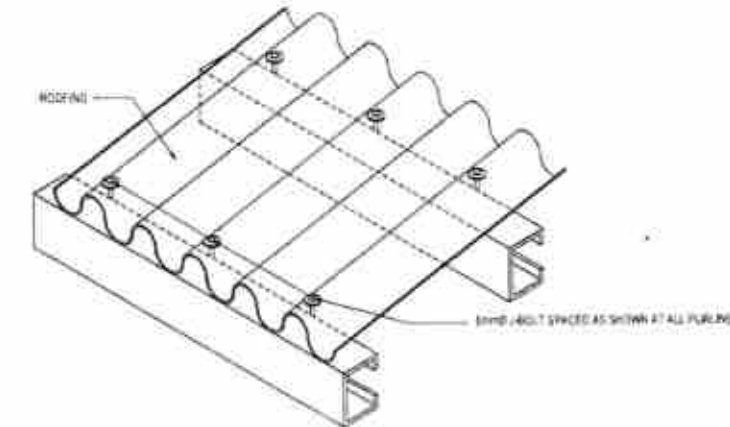


SUPPORTED BY TRUSS



IN BETWEEN TRUSSES

9
S-9
DETAIL OF PURLIN SPLICE
SCALE 1:10m



10
S-9
ISOMETRIC VIEW OF CONNECTION OF ROOFING TO PURLINS
SCALE 1:10m



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
NORTHERN SAMAR 2ND
DISTRICT ENGINEERING OFFICE
BPO, BURABU, LAGANG, NORTHERN SAMAR, REGION VII

PROJECT NAME AND LOCATION
CONSTRUCTION OF MODIFIED DEPED-DPM
STANDARD ONE(1)-STOREY THREE (3)-CLASSROOM
SCHOOL BUILDING AT
MARUBAY ELEMENTARY SCHOOL,
BARANGAY MARUBAY, LAGANG,
NORTHERN SAMAR

SHEET CONTENTS
1. ROOF TRUSS CONNECTION DETAILS (DETAIL 1-4)
2. DETAIL CONNECTION OF CROSS-BRACING
3. DETAIL OF PURLIN TO TOP CHORD
4. DETAIL OF PURLIN SPLICE
5. DETAIL OF CONCRETE SLABING
6. ISOMETRIC VIEW OF CONNECTION OF
ROOFING FIXER

DRAWN BY
LUCITA AMY MARIE D. ESIDERA
CHECKED BY
TARA FRANCIS DIANE G. PERFECTO
DATE
20 MAY 2025

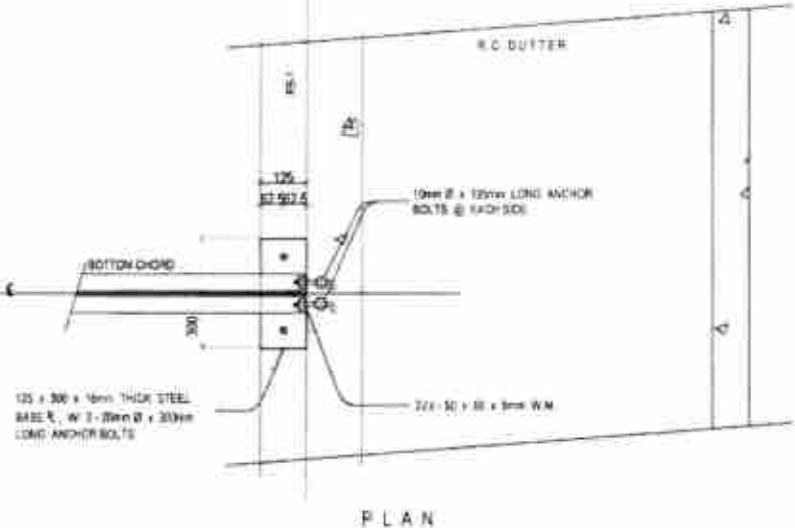
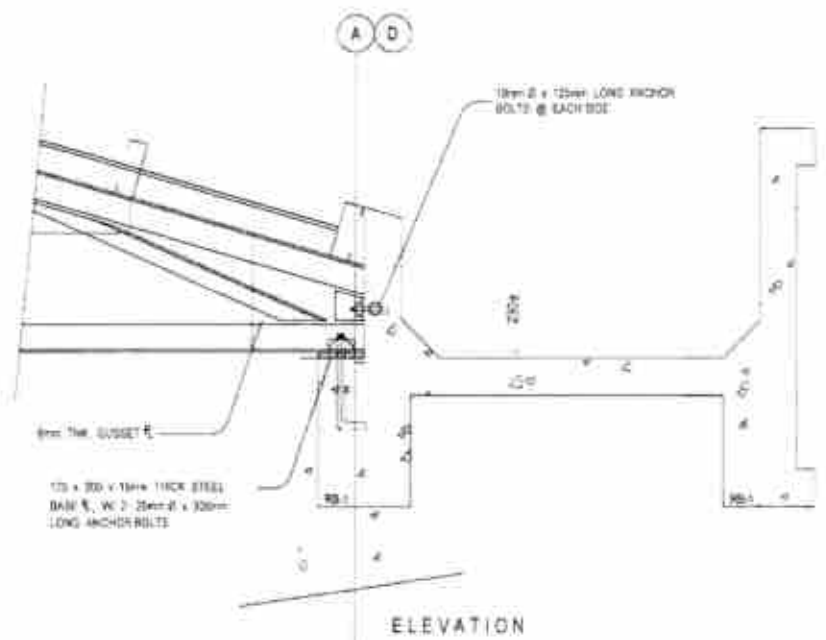
DESIGNED BY
RYAN H. GALLANO
CHECKED BY
FRANCISCO Y. TALA
DATE
21 MAY 2025

SUBMITTED BY
FRANCISCO Y. TALA
DATE
21 MAY 2025

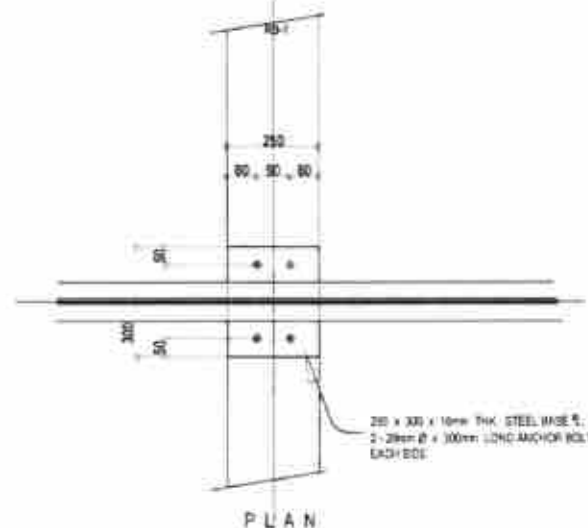
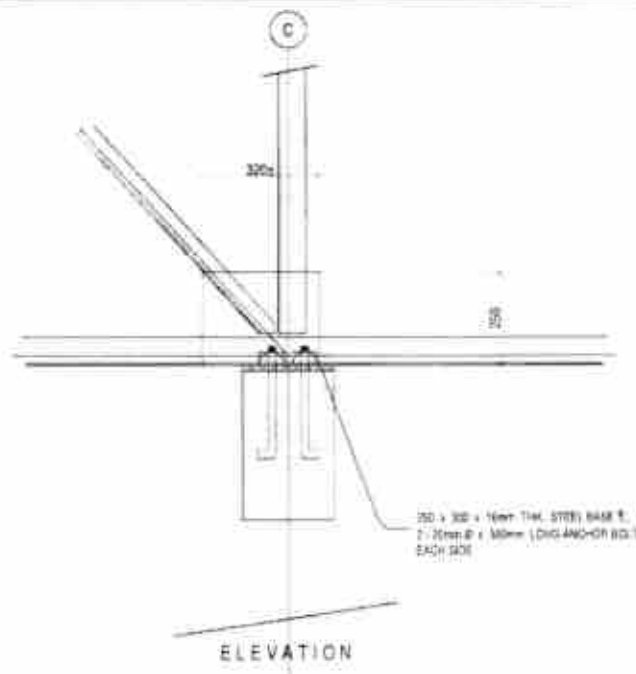
APPROVED BY
FRANCISCO Y. TALA
DATE
22 MAY 2025

APPROVED BY
ATTY. ANTHONY R. BABONG, CE
DATE
22 MAY 2025

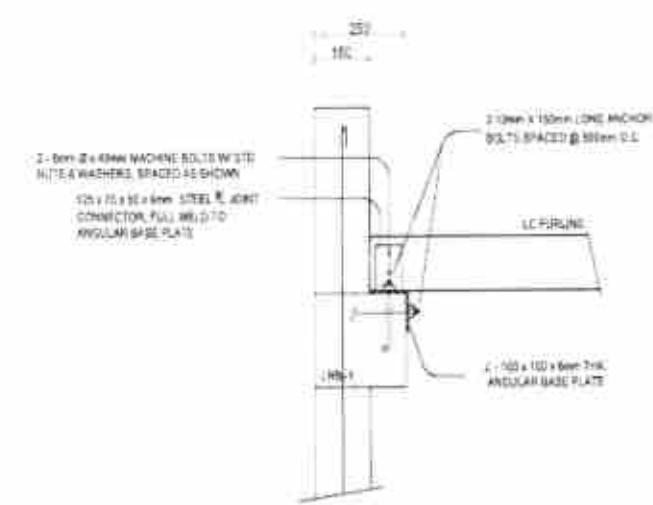
SHEET NO.
35
SHEET NO.
30



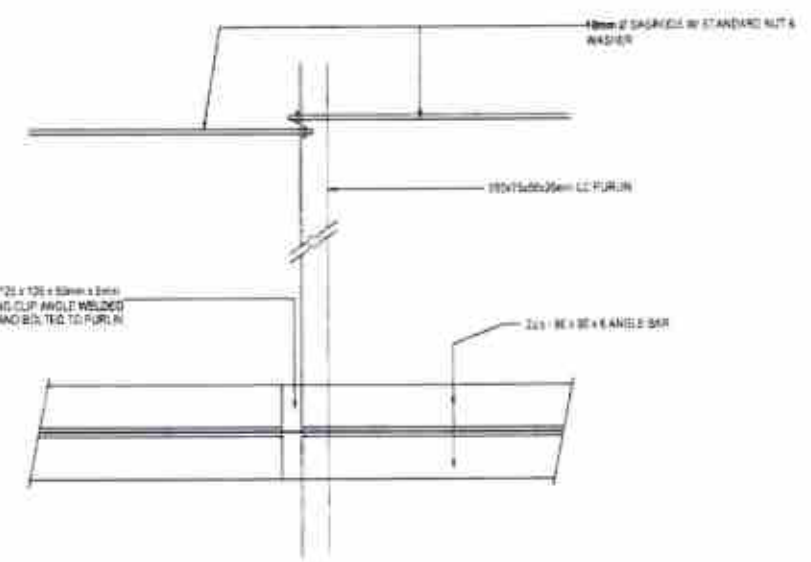
1 DETAIL OF TRUSS ANCHORAGE @ GRID LN. A & D
S-10 SCALE 1:10



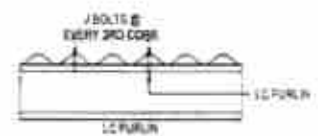
2 DETAIL OF TRUSS ANCHORAGE @ GRID LN. C
S-10 SCALE 1:10



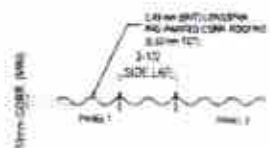
3 DETAIL CONN. OF PURLINS TO END-WALL
S-10 SCALE 1:10



6 DETAIL OF PURLIN TO SAG ROD CONNECTION
S-10 SCALE 1:10



4 ROOF PANEL SIDE LAP DETAIL
S-10 SCALE 1:10



5 J-BOLT SPACING
S-10 SCALE 1:10



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
NORTHERN SAMAR 2ND
DISTRICT ENGINEERING OFFICE
BRGY. BURABUD, LADANG, NORTHERN SAMAR, REGION VII

PROJECT NAME AND LOCATION
CONSTRUCTION OF MODIFIED DEPED-OPWH
STANDARD ONE(1)-STOREY THREE (3)-CLASSROOM
SCHOOL BUILDING AT
MARUBAY ELEMENTARY SCHOOL
BARANGAY MARUBAY, LADANG,
NORTHERN SAMAR

SHEET CONTENTS
DETAIL OF TRUSS ANCHORAGE @
GRID LN. A & D
DETAIL OF TRUSS ANCHORAGE @
GRID LN. C
DETAIL CONNECTION OF PURLIN TO
END-WALL
J-BOLT SPACING
ROOF PANEL SIDE LAP DETAIL
DETAIL OF PURLIN TO SAG ROD CONNECTION

DRAFTED
LUCITA V. MARIE D. ESIDERA
ARCHITECT
PREPARED
TARA FRANCIS DIANE G. PERFECTO
ARCHITECT
DATE
20 MAY 2025

CHECKED
RYAN H. GALLANO
ENGINEER ASSISTANT CHIEF
PLANNING & DESIGN SECTION
DATE
21 MAY 2025

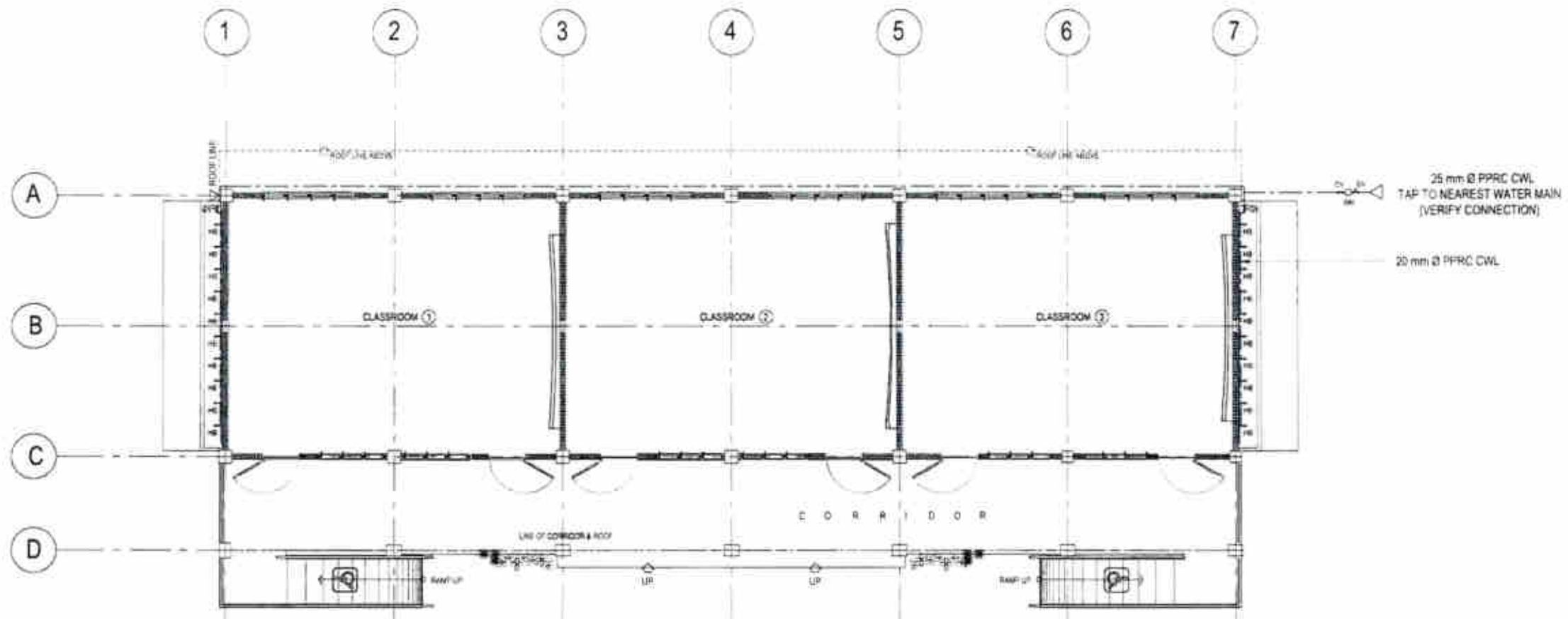
SUBMITTED
ALPHA H. BERNARDO
CHIEF PLANNING & DESIGN SECTION
DATE
21 MAY 2025

RECOMMENDED
FRANCIS Y. TANALA
LIC. MECHANICAL ENGINEER
DATE
22 MAY 2025

APPROVED
ATTY. ARTHUR ERIC L. LABONG, CE
LIC. DISTRICT ENGINEER
DATE
22 MAY 2025

BET. NO. 5
SHEET NO. 10

20 MAY 2025 21 MAY 2025 21 MAY 2025 22 MAY 2025 22 MAY 2025



1 FLOOR PLAN (WATERLINE LAYOUT)
P-2 SCALE: 1:100 M



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
NORTHERN SAMAR 2ND
DISTRICT ENGINEERING OFFICE
BICAY BUNABUD, LAGANG, NORTHERN SAMAR, REGION VII

PROJECT NAME AND LOCATION
CONSTRUCTION OF MODIFIED DEPED-DPWH
STANDARD ONE-STOREY THREE (3)-CLASSROOM
SCHOOL BUILDING AT
MARUBAY NATIONAL HIGH SCHOOL,
BARANGAY MARUBAY, LAGANG,
NORTHERN SAMAR

SHEET CONTENTS
FLOOR PLAN (WATER LINE
LAYOUT)

DRAFTED
LUCITA AMY MARIE D. ESIDERA
ARCHITECT
PREPARED
TARA FRANCIS DIANE G. PERFECTO
ARCHITECT
DATE
20 MAY 2025

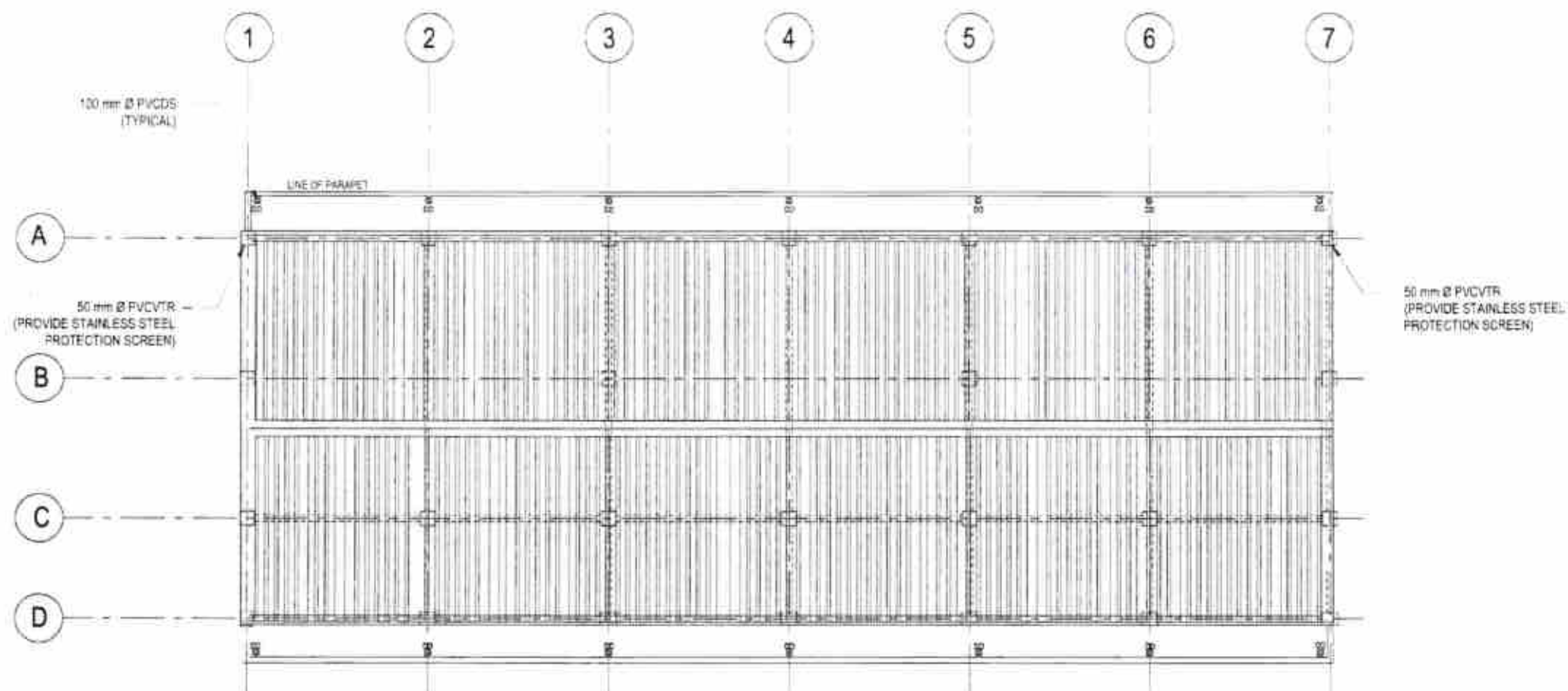
CHECKED
RYAN H. GALLANO
ENGINEER
DATE
21 MAY 2025

SUBMITTED
FIONA A. MANCINIADO
CHIEF PLANNING & DESIGN SECTION
DATE
21 MAY 2025

RECOMMENDED
FRANCISCO Y. TANALA
REGISTERED PROFESSIONAL ENGINEER
DATE
22 MAY 2025

APPROVED
ATTY. ARTHUR ERIC L. SABON, CE
REGISTERED PROFESSIONAL ENGINEER
DATE
22 MAY 2025

SET NO.
P
2
S
SHEET NO.
35
36



1 ROOF PLAN (SEWER LINE & DRAINAGE LAYOUT)
P-3 SCALE: 1:100 M



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
NORTHERN SAMAR 2ND
DISTRICT ENGINEERING OFFICE
BDOY SURABUD, LAGANG, NORTHERN SAMAR, REGION VII

PROJECT NAME AND LOCATION
CONSTRUCTION OF MODIFIED DEPED-DPW
STANDARD ONE(1)-STOREY THREE (3)-CLASSROOM
SCHOOL BUILDING AT
MARUBAY NATIONAL HIGH SCHOOL,
BARANGAY MARUBAY, LAGANG,
NORTHERN SAMAR

SHEET CONTENTS
ROOF PLAN (DRAINAGE LAYOUT)

DRAFTED
LUCITA WY MARIE D. ESIDERA
ARCHITECT I
PREPARED
TARA FRANCIS DIANE G. PERFECTO
ARCHITECT'S
DATE
20 MAY 2025

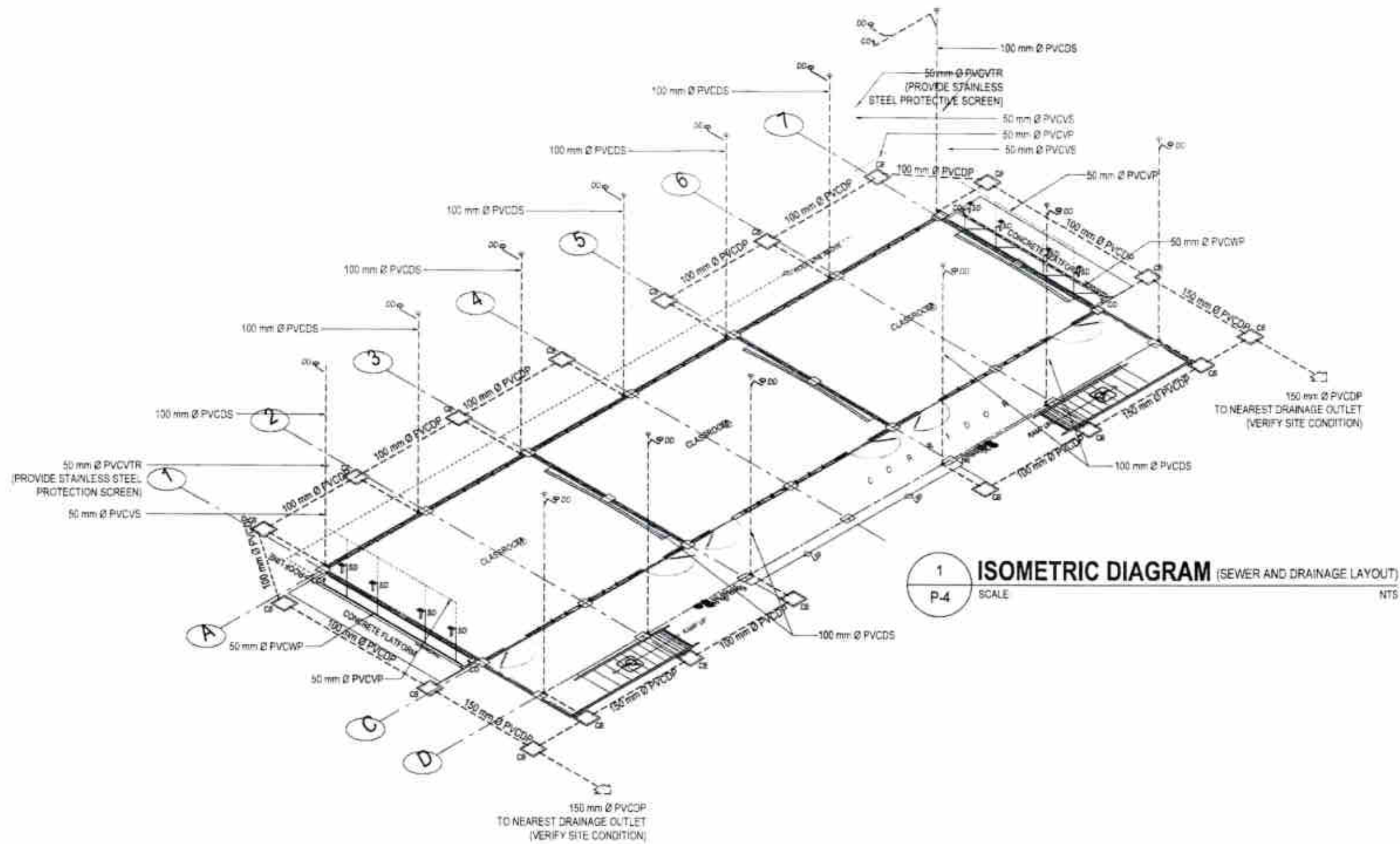
CHECKED
RYAN A. GALLANO
EMPLOYEE'S HONORARY DEPT.
DATE
21 MAY 2025

SUBMITTED
FRANZ A. LUNCARDO
CHIEF PLANNING & DESIGN SECTION
DATE
21 MAY 2025

RECOMMENDED
FRANCISCO Y. TANALA
SENIOR ARCHITECT ENGINEER
DATE
22 MAY 2025

APPROVED
ATTY. ARNOLD ERIC L. SANDOZ, SE
P.E. DESIGN ENGINEER
DATE
22 MAY 2025

SET NO.
P
3
SHEET NO.
19
35



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
NORTHERN SAMAR 2ND
DISTRICT ENGINEERING OFFICE
BRGY. BULABUL, LAGANG, NORTHERN SAMAR, DIVISION VII

PROJECT NAME AND LOCATION
CONSTRUCTION OF MODIFIED DEP-ED-OPWH
STANDARD ONE(1)-STOREY THREE (3)-CLASSROOM
SCHOOL BUILDING AT
MARUBAY NATIONAL HIGH SCHOOL,
BARANGAY MARUBAY, LAGANG,
NORTHERN SAMAR

SHEET CONTENTS
ISOMETRIC DIAGRAM (SEWER &
DRAINAGE LINE LAYOUT)

DRAFTED
LUCITA AMY MARIE D. ESIDERA
ARCHITECT
PREPARED
TARA FRANCIS DIANE G. PERFECTO
ARCHITECT
DATE
20 MAY 2025

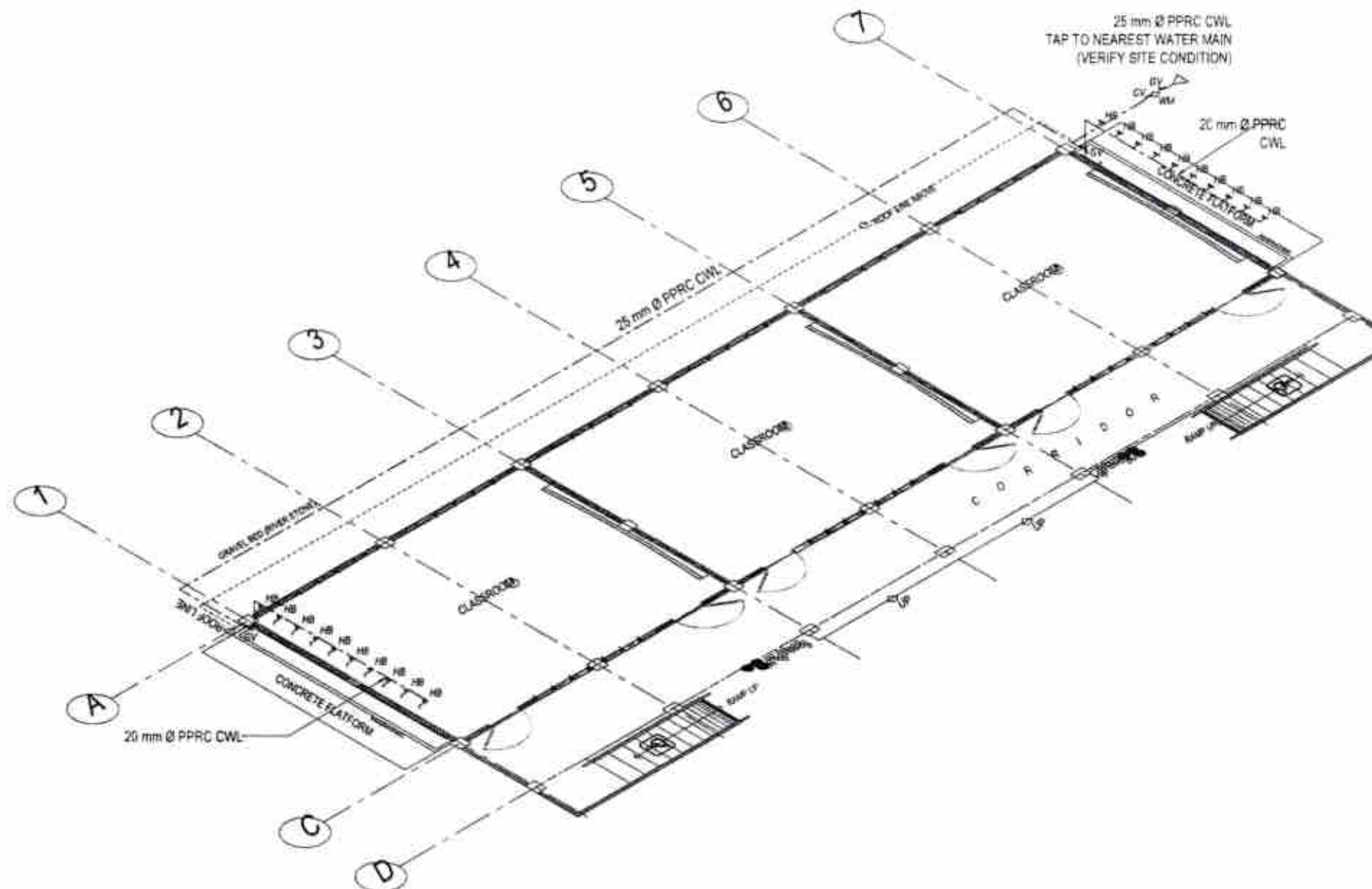
CHECKED
RYAN K. GALLANO
ENGINEER-IN-CHARGE (DESIGN)
DATE
21 MAY 2025

SUBMITTED
DONA M. PRINCIPADO
ENGINEER-IN-CHARGE (DESIGN)
DATE
21 MAY 2025

RECOMMENDED
FRANCIS T. TALA
DISTRICT ENGINEER
DATE
22 MAY 2025

APPROVED
ATTY. ARTHUR ERIC L. SABONG, CE
DISTRICT ENGINEER
DATE
22 MAY 2025

SHEET NO.
30
SHEET NO.
30



1 ISOMETRIC DIAGRAM (WATER LINE LAYOUT)
P-5 SCALE: NTS

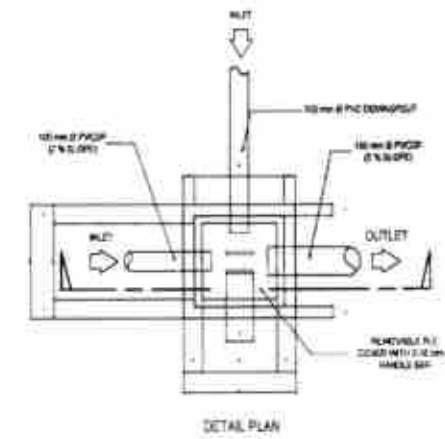
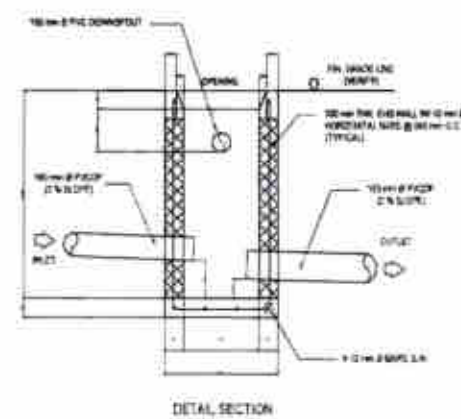
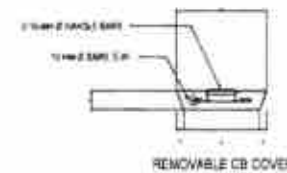
 Republic of the Philippines DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS NORTHERN SAMAR 2ND DISTRICT ENGINEERING OFFICE BRGY. BURAUJUD, LADANG, NORTHERN SAMAR, REGION VII	PROJECT NAME AND LOCATION CONSTRUCTION OF MODIFIED DEPED-DPMH STANDARD ONE(1)-STOREY THREE (3)-CLASSROOM SCHOOL BUILDING AT MARUBAY NATIONAL HIGH SCHOOL, BARANGAY MARUBAY, LADANG, NORTHERN SAMAR	SHEET CONTENTS ISOMETRIC DIAGRAM (WATER LINE LAYOUT)	DRAFTED LUCITA MAY MARIE D. ESIDERA ARCHITECT I PREPARED TARA FRANCIS DIANE G. PERFECTO ARCHITECT I DATE 20 MAY 2025	CHECKED RYAN H. GALLANO ENGINEER I, ASSISTANT CHIEF PLANNING & DESIGN SECTION DATE 21 MAY 2025	DISMITTED FRANCIS A. ENCINADO CHIEF PLANNING & DESIGN SECTION DATE 21 MAY 2025	RECOMMENDED FRANCIS A. TANALA DISTRICT ENGINEER DATE 22 MAY 2025	APPROVED ATTY. ANTHON ERIC SABONG, CE DCL DISTRICT ENGINEER DATE 22 MAY 2025	SET NO. P SHEET NO. 31 35
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PLUMBING NOTES:

- GRADES OF HORIZONTAL PIPING
RUN ALL HORIZONTAL PIPINGS IN PERFECT ALIGNMENT AND AT A FORM GRADE OF 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, LONGSWEEP QUARTER BEND, SIX-EIGHT OR SIXTEENTH BENDS. WHEN THE CHANGE OF FLOW IS FROM HORIZONTAL TO VERTICAL, 1/8 BEND COMBINATION MAYBE USED ON VERTICAL STACKS AND SHORT QUARTER BENDS MAYBE USED ON WASTE LINE. TEE AND CROSSES MAYBE USED IN VENT PIPES.
- PROHIBITED FITTINGS
NO DOUBLE HUB OR TEE BRANCH SHALL BE USED ON HORIZONTAL WASTE LINES. THE DRILLINGS AND TAPPINGS OF HOUSE DRAIN, WASTE OR VENT PIPES AND USE OF SADDLE HUB AND BEND ARE PROHIBITED.
- SLEEVES
PROVIDE PIPE SLEEVES AT WALLS, COLUMNS OR SLABS ONE SIZE BIGGER THAN THE ACTUAL SIZE PASSING THROUGH THE WALLS, COLUMNS OR UNDER SLAB TO PROTECT PIPE FROM BREAKAGE.
- PIPE CLEAN-OUTS
PIPE CLEAN-OUTS ARE REQUIRED UNDER THE FOLLOWING CONDITIONS:
 - EVERY CHANGE IN HORIZONTAL DIRECTIONS EXCEEDING TWENTY-TWO AND ONE-HALF DEGREES (22 1/2°).
 - ONE AND ONE-HALF METERS (1.50 m) INSIDE THE PROPERTY LINE BEFORE THE HOUSE DRAINAGE CONNECTION.
 - EVERY FIFTEEN METERS (15.00 m) IN HORIZONTAL RUN OF PIPES.
 - AT THE END OF ANY HORIZONTAL PIPE LINES.
- THE DIGESTION CHAMBER OF SEPTIC VAULT MUST BE WATERPROOFED.
- NOT LESS THAN 300 mm OF AIR SPACE MUST BE LEFT BETWEEN THE TOP OF THE SEWAGE AND THE UNDER PART OF THE VAULT ROOF SLAB.
- NO SEPTIC VAULT MUST BE CONSTRUCTED UNDER THE BUILDING.
- ALL PLUMBING WORKS SHALL BE DONE BY A LICENSED MASTER PLUMBER AND A LICENSED PLUMBING CONTRACTOR.

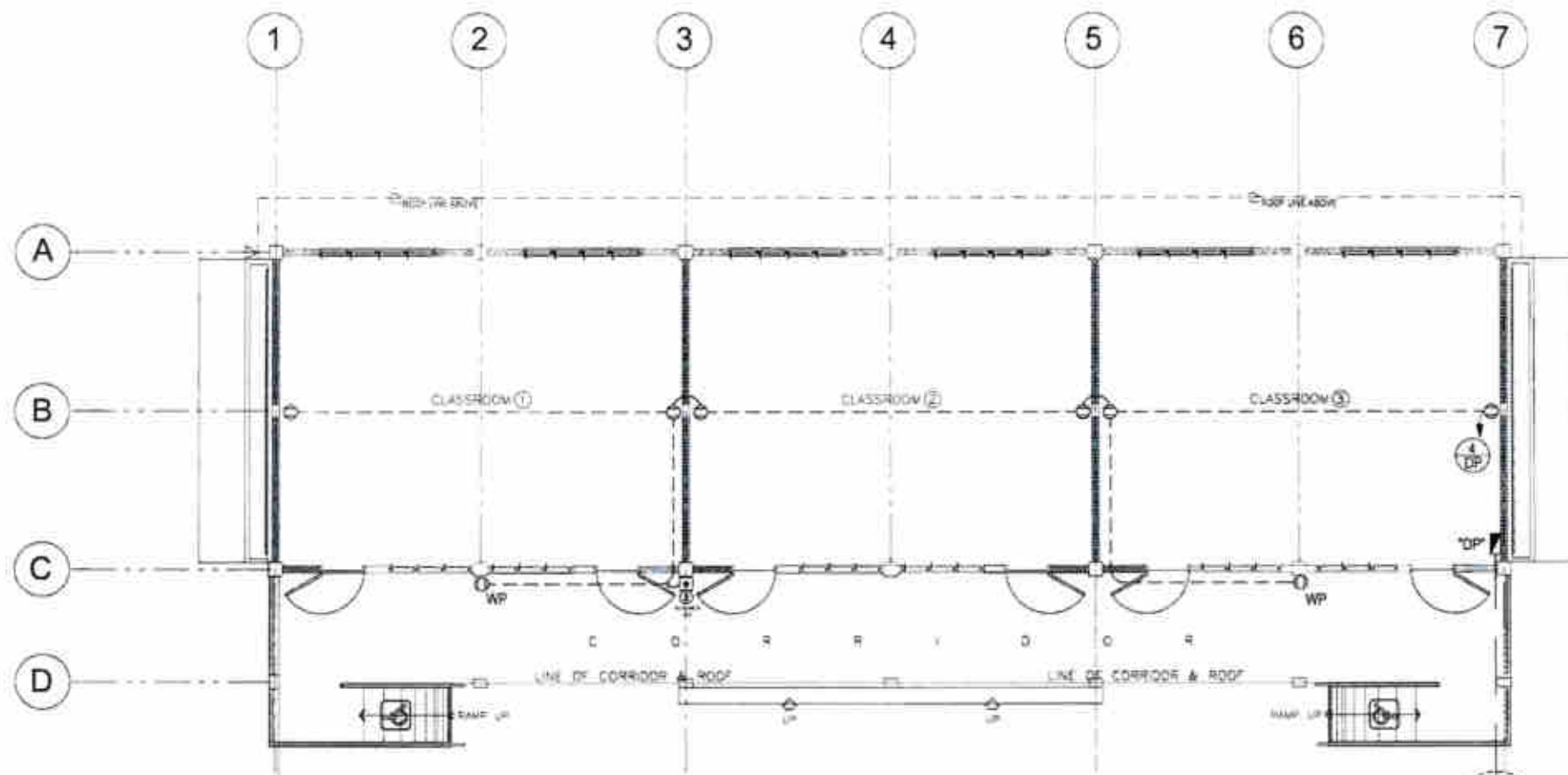
PLUMBING LEGENDS:

CO	CLEAN OUT	PVCDP	POLYVINYL CHLORIDE DRAIN PIPE (SERIES 1000) (ASTM D2728 / ASTM D3311, ISO 4435 / ASTM D2564)
CV	CHECK VALVE	PVCDL	POLYVINYL CHLORIDE DOWNSPOUT (SERIES 1000) (ASTM D2728 / ASTM D3311, ISO 4435 / ASTM D2564)
DD	DECK DRAIN	PVCDP	POLYVINYL CHLORIDE SDI PIPE (SERIES 1000) (ASTM D2728 / ASTM D3311, ISO 4435 / ASTM D2564)
FD	FLOOR DRAIN	PVCVP	POLYVINYL CHLORIDE VENT PIPE (SERIES 600) (ASTM D2728 / ASTM D3311, ISO 4435 / ASTM D2564)
HB	HOSE BIBB	PVCVB	POLYVINYL CHLORIDE VENT STACK (SERIES 600) (ASTM D2728 / ASTM D3311, ISO 4435 / ASTM D2564)
GV	GATE VALVE	PVCVTR	POLYVINYL CHLORIDE VENT THROUGH ROOF (SERIES 600) (ASTM D2728 / ASTM D3311, ISO 4435 / ASTM D2564)
LAV	LAVATORY	PVCWP	POLYVINYL CHLORIDE WASTE PIPE (SERIES 1000) (ASTM D2728 / ASTM D3311, ISO 4435 / ASTM D2564)
MH	MANHOLE		
SD	SINK DRAIN		
WC	WATER CLOSET		
WM	WATER METER		
PPRC CWL	POLYPROPYLENE RANDOM COPOLYMER COLD WATER LINE, TYPE 3, PN 15 (ISO 15874 / JOINING BY SOCKET FUSION)		



1
P-6
SCALE 1:10 MTS
DETAIL OF CATCH BASIN

	PROJECT NAME AND LOCATION CONSTRUCTION OF MODIFIED DEPED-DPMW STANDARD ONE(1)-STOREY THREE (3)-CLASSROOM SCHOOL BUILDING AT MARUBAY NATIONAL HIGH SCHOOL, BARANGAY MARUBAY, LAOANG, NORTHERN SAMAR	SHEET CONTENTS GENERAL NOTES PLUMBING LEGENDS DETAIL OF CATCH BASIN	DRAFTED LUCITA AMY MARIE D. ESIGERA ARCHITECT I	CHECKED RYAN H. GALLANO ENGINEER-IN-CHARGE CIVIL ENGINEER	SUBMITTED ERICA A. MANCIBADO CHIEF PLANNING & DESIGN SECTION	RECOMMENDED FRANCIS Y. YARALA D.C. ASSISTANT DISTRICT ENGINEER	APPROVED ATTY. ARTHUR ERIC L. SABONG D.C. DISTRICT ENGINEER	SET NO. P E E	SHEET NO. 32 80
			PREPARED TASA FRANCIS DIME O. PERFECTO ARCHITECT I PLANNING & DESIGN SECTION	DATE 20 MAY 2025	DATE 21 MAY 2025	DATE 21 MAY 2025	DATE 22 MAY 2025	DATE 22 MAY 2025	DATE 22 MAY 2025



1 POWER LAYOUT
E-1 SCALE 1/100 m

PROPOSED OVERHEAD ELECTRICAL SERVICE ENTRANCE (REFER TO ELECTRICAL RISER DIAGRAM)
NOTE: VERIFY EXACT LOCATION



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
NORTHERN SAMAR 2ND
DISTRICT ENGINEERING OFFICE
BIDY, BUNABUO, LAGANG, NORTHERN SAMAR, REGION VII

PROJECT NAME AND LOCATION
CONSTRUCTION OF MODIFIED DEPED-DPWH
STANDARD ONE(1)-STOREY THREE (3)-CLASSROOM
SCHOOL BUILDING AT
MARUBAY NATIONAL HIGH SCHOOL,
SARANGAY MARUBAY, LAGANG,
NORTHERN SAMAR

SHEET CONTENTS
POWER LAYOUT

DRAFTED
LUCITA V. MARIE D. ESIDERA
ARCHITECT
PREPARED
TARA FRANCIS BIANE G. PERFECTO
ARCHITECT &
PLANNING & DESIGN SECTION
DATE
20 MAY 2025

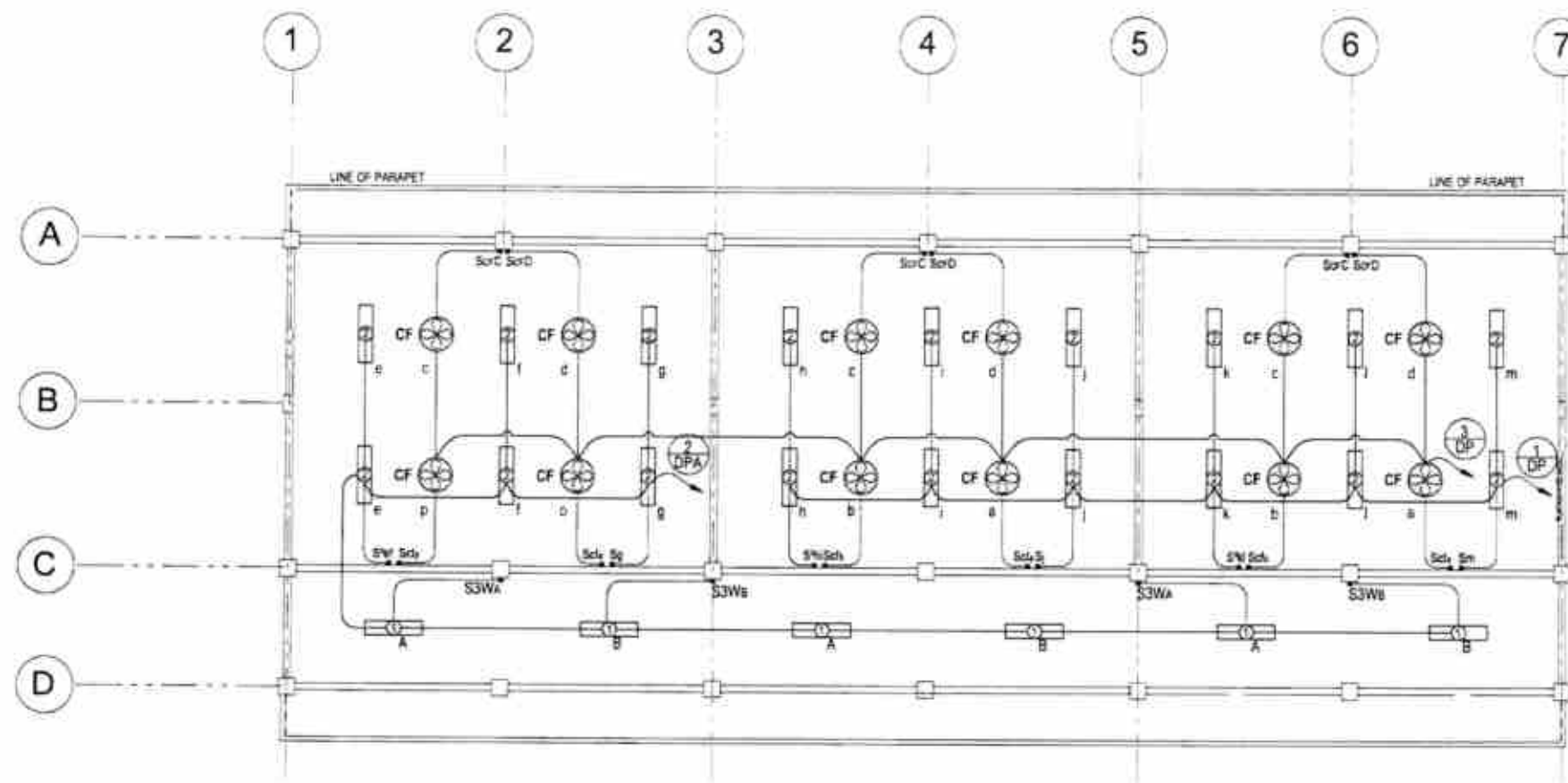
CHECKED
RYAN H. GARLAND
ENGINEER & ARCHITECT OVER
PLANNING & DESIGN SECTION
DATE
21 MAY 2025

SUBMITTED
RONALD P. MUNICIADO
CHIEF PLANNING & DESIGN SECTION
DATE
21 MAY 2025

RECOMMENDED
FRANCISCO W. SARALA
DISTRICT ENGINEER
DATE
22 MAY 2025

APPROVED
ATTY. ARTHUR ERIC SABONG, CE
DISTRICT ENGINEER
DATE
22 MAY 2025

REV. NO.
1
SHEET NO.
33
345



1 LIGHTING LAYOUT
E-2 SCALE 1 : 100 m.



Republic of the Philippines
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NORTHERN SAMAR 2ND
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BRGY. BURNABUG, LAGANG, NORTHERN SAMAR, REGION VII

PROJECT NAME AND LOCATION
CONSTRUCTION OF MODIFIED DEPED-OPWH
STANDARD ONE(1)-STOREY THREE (3)-CLASSROOM
SCHOOL BUILDING AT
MARUBAY NATIONAL HIGH SCHOOL,
BARANGAY MARUBAY, LAGANG,
NORTHERN SAMAR

SHEET CONTENTS
LIGHTING LAYOUT

DRAFTED
LUCITA RAY MARIE D. ESIDERA
ARCHITECT
PREPARED
TARA FRANCIS DIANE G. PERFECTO
ARCHITECT
DATE
20 MAY 2025

CHECKED
RYAN H. GALLANO
ENGINEER & ARCHITECT (O&A)
PLANNING & DESIGN SECTION
DATE
21 MAY 2025

SUBMITTED
RONALD A. BONDICIADO
O&A PLANNING & DESIGN SECTION
DATE
21 MAY 2025

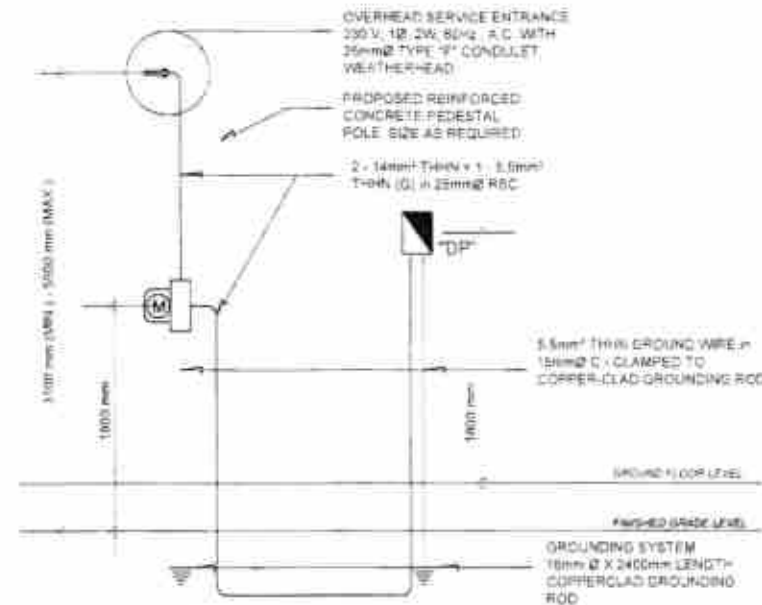
RECOMMENDED
FRANCISCO Y. TALAÑA
REGISTERED ELECTRICAL ENGINEER
DATE
22 MAY 2025

APPROVED
ATTY. ARTHUR ERIC L. SABONG, CE
OC DISTRICT ENGINEER
DATE
22 MAY 2025

SET NO.
E
SHEET NO.
34
25

GENERAL NOTES:

- ALL ELECTRICAL WORKS SHALL BE DONE IN ACCORDANCE WITH THE PROVISIONS OF THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE, EXISTING APPLICABLE ORDINANCES, RULES AND REGULATIONS OF THE LOCAL GOVERNMENT AND WITH THE REQUIREMENTS OF THE LOCAL POWER COMPANY.
- THE TYPE OF SERVICE POWER SUPPLY TO BE USED SHALL BE SINGLE PHASE 230V, 60HZ, A.C.
- THE CONTRACTOR SHALL VERIFY AND OBTAIN THE ACTUAL LOCATION OF SERVICE ENTRANCE FOR CONNECTION TO THE POWER COMPANY SERVICE POINT.
- UNLESS OTHERWISE SPECIFIED, THE MINIMUM SIZE OF WIRE AND GALVANIZED RIGID STEEL CONDUIT TO BE USED SHALL BE 3.5mm² THHN AND 15mm NOMINAL DIAMETER, RESPECTIVELY. LIKEWISE ALL ELECTRICAL WIRING SHALL BE COLOR-CODED.
- ALL LIGHTING, DISCONNECT AND CONVENIENCE OUTLETS SHALL BE WIRED WITH NOT LESS THAN 3.5mm² IN SIZE.
- WHEREVER REQUIRED AND NECESSARY, PULL OR JUNCTION BOXES SHALL BE INSTALLED AT CONVENIENT AND INCONSPICUOUS LOCATION, ALTHOUGH SUCH BOXES ARE NOT SHOWN ON THE PLAN NOR MENTIONED IN THE SPECIFICATIONS.
- ALL NON-CURRENT CARRYING METAL PARTS OF ELECTRICAL EQUIPMENT SHALL BE PROPERLY GROUNDING IN ACCORDANCE WITH THE PROVISIONS OF THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE.
- ALL MATERIALS TO BE USED SHALL BE BRAND NEW AND OF THE APPROVED TYPE FOR LOCATION AND PURPOSE.
- STANDARD TYPE OF ACCESSORIES, DISCONNECTS, TERMINATIONS AND OTHER APPURTENANCES FOR THE ENTIRE ELECTRICAL INSTALLATION SHALL BE USED.
- ALL WALL OUTLETS SHALL BE INSTALLED AT THE FOLLOWING HEIGHTS ABOVE THE FINISHED FLOOR LEVELS UNLESS NOTED IN THE PLAN:
 - a. WALL SWITCHES @ 1500mm
 - b. WALL CONVENIENCE OUTLETS @ 200mm
 - c. WALL FAN OUTLET @ CONVENIENT HEIGHT
- ALL ELECTRICAL WORKS SHALL BE DONE UNDER THE DIRECT AND IMMEDIATE SUPERVISION OF A QUALIFIED REGISTERED ELECTRICAL ENGINEER.



ELECTRICAL RISER DIAGRAM

SCHEDULE OF LOADS AND COMPUTATIONS

DISTRIBUTION PANELBOARD "DP"

CKT NO.	LOAD DESCRIPTION	VA PER CKT.	VOLTS	BRANCH CKT. BREAKER			SIZE OF HOMERUN (WIRES IN CONDUIT)
				AF	F	AT	
1	LIGHTING OUTLETS	1600	230	50	2	20	2 x 3.5mm ² THHN + 1 x 2.0mm ² THHN (G) IN 15mm Ø PVC
2	LIGHTING OUTLETS	1400	230	50	2	20	2 x 3.5mm ² THHN + 1 x 2.0mm ² THHN (G) IN 15mm Ø PVC
3	CEILING FAN OUTLETS	750	230	50	2	20	2 x 3.5mm ² THHN + 1 x 2.0mm ² THHN (G) IN 15mm Ø PVC
4	CONVENIENCE OUTLETS	1440	230	50	2	20	2 x 3.5mm ² THHN + 1 x 2.0mm ² THHN (G) IN 15mm Ø PVC
5	SPARE	1500	230	50	2	20	
6	SPARE	1500	230	50	2	20	
	TOTAL	8100		MAGB. 100A, 2P, 240V, 60AT, 10MAID			
COMPUTATIONS:				VA	A		
LIGHTINGS AND POWER (FIRST 10kVA @ 100% DF)				8160			
LIGHTINGS AND POWER (REMAINDER OVER 10kVA @ 80% DF)						USE : 2 x 14.0mm ² THHN + 1 x 5.5mm ² TW (G) IN 25mm Ø RSC	
TOTAL MOTOR LOAD AND SPARE				3000			
TOTAL CONNECTED LOAD				8160		USE : 1 x 60 AT, 230V, 2-POLE MOLDED CASE CIRCUIT BREAKER	
SERVICE ENTRANCE CONDUCTOR							
TOTAL LOAD + 25% (HIGHEST MOTOR) / APPLIED VOLTAGE					35.47		
SERVICE EQUIPMENT							
(TOTAL LOAD + HIGHEST MOTOR RATING) + 25% (HIGHEST MOTOR) / VOLTAGE					35.47		

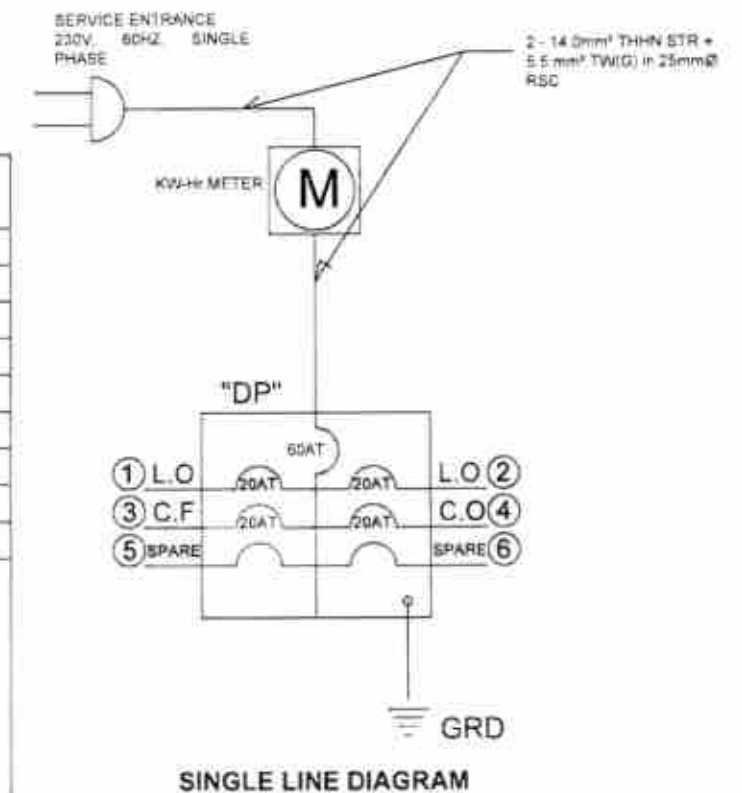
SCHEDULE AND COMPUTATION OF LOADS

SCHEDULE OF LIGHTING FIXTURES AND LAMPS:

SYMBOLS	DESCRIPTION	INSTALLATION
	ONE (1) 11-20W 230V 60Hz AC LED FLUORESCENT LIGHTING FIXTURE, BOX TYPE	SURFACED CEILING MOUNTED
	TWO (2) 12-20W 230V 60Hz AC LED FLUORESCENT LIGHTING FIXTURE, BOX TYPE	SURFACED CEILING MOUNTED
	ONE (1) 11-20W 230V 60Hz AC LED COMPACT FLUORESCENT LIGHTING FIXTURE WITH MEDIUM BASE KEYLESS TYPE, PORCELAIN RECEPTACLE	SURFACED CEILING MOUNTED
NOTE: ALL FLUORESCENT LIGHTING FIXTURES SHALL BE EQUIPPED WITH A HIGH POWER FACTOR PRE-HEAT WITH STARTER AND THERMALLY PROTECTED BALLAST, COMPLETE WITH ALL NECESSARY ACCESSORIES, WIRED AND READY FOR USE.		

ELECTRICAL SYMBOLS:

	CEILING LIGHT OUTLET	REFER TO SCHEDULE OF LIGHTING FIXTURES AND LAMPS
	CEILING LIGHT OUTLET	
	CEILING FAN 40 WATTS, 230V, 60Hz	
	CEILING FAN CONTROL SWITCH	
	SINGLE POLE WALL SWITCH IN ONE SWITCH PLATE (10 AMP, 230 VOLTS)	
	2 SINGLE POLE WALL SWITCHES IN ONE SWITCH PLATE (10 AMP, 230 VOLTS)	
	THREE WAY SWITCH	
	DUPLEX CONVENIENCE OUTLET, GROUNDING TYPE, 2A, 250VOLT	
	SINGLE CONVENIENCE OUTLET, GROUNDING TYPE (15 AMP, 230 VOLTS)	
	CONCEALED OR EMBEDDED CONDUIT RUN	
	UNDERGROUND OR UNDER FLOOR CONDUIT RUN	
	CIRCUIT HOMERUN	
	DISTRIBUTION PANELBOARD	
	ELECTRIC SERVICE METER	
	PUSH BUTTON, 10 A, 230V, 1500mm ABOVE FINISHED GRADE LINE	
	VIBRATING BELL OUTLET, 230mm DIAMETER, 230V, 60Hz, TO BE INSTALLED @ 300mm BELOW CEILING LINE	
	ELECTRIC SERVICE ENTRANCE	
	GROUNDING SYSTEM	



Republic of the Philippines
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NORTHERN SAMAR DISTRICT ENGINEERING OFFICE
SPOT, BURLABO LAGANA, NORTHERN SAMAR, REGION VII

PROJECT NAME AND LOCATION:
CONSTRUCTION OF MODIFIED DERED-OPWH
STANDARD ONE(1)-STOREY THREE (3)-CLASSROOM
SCHOOL BUILDING AT
MARUBAY NATIONAL HIGH SCHOOL,
BARANGAY MARUBAY, LADANG,
NORTHERN SAMAR

SHEET CONTENTS:
ELECTRICAL SYMBOLS
SCHEDULE OF LOADS
SCHEDULE OF LIGHTING
FIXTURES
ELECTRICAL RISER DIAGRAM
SINGLE LINE DIAGRAM

DRAFTED:
LUCITA XMY MARIE D. ESIDERA
(MONITOR)
PREPARED:
TARA FRANCIS DIANE O. PERFECTO
(CHECKER)
DATE: 20 MAY 2025

CHECKED:
RYAN M. GALLANO
(ENGINEER - ASSOCIATE DIST. ENGINEER)
DATE: 21 MAY 2025

SUBMITTED:
DORAN M. MONCADO
(CHIEF PLANNING & DESIGN SECTION)
DATE: 21 MAY 2025

RECOMMENDED:
FRANCISCO Y. TAYALA
(DISTRICT ENGINEER)
DATE: 22 MAY 2025

APPROVED:
ATTY. ARTHUR ERIC L. BABONG, CE
(D.E. DISTRICT ENGINEER)
DATE: 22 MAY 2025

SHEET NO.:
E
3
35