



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGIONAL OFFICE VIII
SOUTHERN LEYTE 2nd DISTRICT ENGINEERING OFFICE
SOGOD, SOUTHERN LEYTE

C.Y. 2025 PROJECT
DETAILED ENGINEERING DESIGN PLAN FOR
**CONVERGENCE AND SPECIAL SUPPORT PROGRAM - BASIC
INFRASTRUCTURE PROGRAM (BIP) - MULTI-PURPOSE BUILDINGS/
FACILITIES TO SUPPORT SOCIAL SERVICES -
CONSTRUCTION (COMPLETION) OF MULTI-PURPOSE BUILDING**

BARANGAY BANGCAS B, HINUNANGAN, SOUTHERN LEYTE
10.4070°N , 125.1915°E

SUBMITTED:


RAINIER LOU C. RUIZ
CHIEF, PLANNING AND DESIGN SECTION
DATE: **FEB 27 2025**

RECOMMENDED:


EVELYN D. YAP
ASSISTANT DISTRICT ENGINEER
DATE: **MAR 07 2025**

APPROVED:


EDUARDO V. SANTOS
DISTRICT ENGINEER
DATE: **MAR 07 2025**



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGIONAL OFFICE VIII
SOUTHERN LEYTE 2nd DISTRICT ENGINEERING OFFICE
SOGOD, SOUTHERN LEYTE

C.Y. 2025 PROJECT
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**CONVERGENCE AND SPECIAL SUPPORT PROGRAM - BASIC
INFRASTRUCTURE PROGRAM (BIP) - MULTI-PURPOSE BUILDINGS/
FACILITIES TO SUPPORT SOCIAL SERVICES -
CONSTRUCTION (COMPLETION) OF MULTI-PURPOSE BUILDING**

BARANGAY BANGCAS B, HINUNANGAN, SOUTHERN LEYTE
10.4070°N , 125.1915°E

 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGION VIII SOUTHERN LEYTE 2 nd DISTRICT ENGINEERING OFFICE SOGOD, SOUTHERN LEYTE	PROJECT NAME AND LOCATION CONVERGENCE AND SPECIAL SUPPORT PROGRAM - BASIC INFRASTRUCTURE PROGRAM (BIP) - MULTI-PURPOSE BUILDINGS/ FACILITIES TO SUPPORT SOCIAL SERVICES - CONSTRUCTION (COMPLETION) OF MULTI-PURPOSE BUILDING BARANGAY BANGCAS B, HINUNANGAN, SOUTHERN LEYTE	SHEET CONTENTS GENERAL COVER PAGE	DRAWN BY JANETTE C. VELAZQUEZ DATE FEB 25 2025	REVIEWED BY [Signature] DATE FEB 27 2025	SUBMITTED BY [Signature] DATE FEB 27 2025	RECOMMENDED BY [Signature] DATE MAR 07 2025	APPROVED BY [Signature] DATE MAR 07 2025	SET NO. 1	SHEET NO. 54



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REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
OFFICE OF THE BUILDING OFFICIAL

DISTRICT / MUNICIPALITY

LAND USE & ZONING

BUILDING OFFICIAL DATE

LINE & GRADE

BUILDING OFFICIAL DATE

ARCHITECTURAL

BUILDING OFFICIAL DATE

CIVIL/STRUCTURAL

BUILDING OFFICIAL DATE

ELECTRICAL

BUILDING OFFICIAL DATE

MECHANICAL

BUILDING OFFICIAL DATE

SANITARY

BUILDING OFFICIAL DATE

PLUMBING

BUILDING OFFICIAL DATE

ELECTRONICS

BUILDING OFFICIAL DATE

GEODETIC ENGINEER

BUILDING OFFICIAL DATE

REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGION VIII SOUTHERN LEYTE 2ND DISTRICT ENGINEERING OFFICE BOJOD, SOUTHERN LEYTE	PROJECT NAME AND LOCATION	SHEET CONTENTS	DRAFTED	REVIEWED	SUBMITTED	RECOMMENDED	APPROVED	SET NO.	SHEET NO.
	CONVERGENCE AND SPECIAL SUPPORT PROGRAM - BASIC INFRASTRUCTURE PROGRAM (BIP) - BUILDING FACILITIES TO SUPPORT SOCIAL SERVICES CONSTRUCTION (COMPLETION) OF MULTI-PURPOSE BUILDING BARANGAY HINABIAN, SAINT BERNARD, SOUTHERN LEYTE	PERSPECTIVE INDEX OF SHEETS	HEAVY D. BERNIERA DESIGNER FEB 25 2025	JOSEPH M. TESAN CHECKER FEB 27 2025	RAMIER LOU C. RUET CHIEF ENGINEER / DESIGN SECTION FEB 27 2025	EVELYN D. YAP ASSISTANT DISTRICT ENGINEER MAR 07 2025	EDUARDO V. BERNIERA DISTRICT ENGINEER MAR 07 2025	1	34

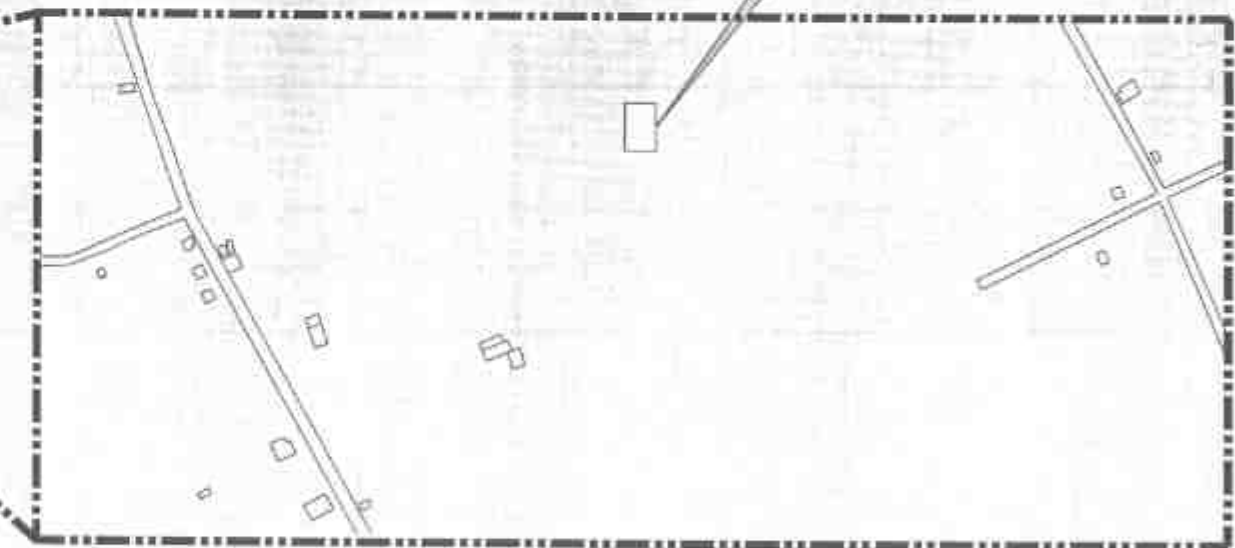


CONVERGENCE AND SPECIAL SUPPORT PROGRAM - BASIC
INFRASTRUCTURE PROGRAM (BIP) - MULTI-PURPOSE
BUILDINGS/ FACILITIES TO SUPPORT SOCIAL SERVICES -
CONSTRUCTION (COMPLETION) OF MULTI-PURPOSE BUILDING

BARANGAY BANGCAS B, HINUNANGAN, SOUTHERN LEYTE
10.4070°N , 125.1915°E



SOUTHERN LEYTE MAP



LOCATION MAP

LOCATION MAP



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGION VII
SOUTHERN LEYTE 2ND DISTRICT
ENGINEERING OFFICE
SOCCO, SOUTHERN LEYTE

PROJECT NAME AND LOCATION
CONVERGENCE AND SPECIAL SUPPORT PROGRAM - BASIC
INFRASTRUCTURE PROGRAM (BIP) - MULTI-PURPOSE BUILDINGS/
FACILITIES TO SUPPORT SOCIAL SERVICES -
CONSTRUCTION (COMPLETION) OF MULTI-PURPOSE BUILDING
BARANGAY BANGCAS B, HINUNANGAN, SOUTHERN LEYTE

LOCATION MAP

DRAWN BY: HEAVY SIDE
DATE: FEB 25 2025
PREPARED BY: JUANITO C. VILLALBA
DATE: FEB 25 2025

REVIEWED BY: [Signature]
DATE: FEB 27 2025
CHECKED BY: [Signature]
DATE: FEB 27 2025

SUBMITTED BY: RAINER LOU C. RUZ
DATE: FEB 27 2025
CHIEF PLANNING & DESIGN SECTION

RECOMMENDED BY: [Signature]
DATE: MAR 07 2025
ASSISTANT DISTRICT ENGINEER

APPROVED BY: EDUARDO V. SARTOS
DATE: MAR 07 2025
DISTRICT ENGINEER

SET NO. 1
SHEET NO. 34

OTHER GENERAL REQUIREMENTS

ITEM B.5 PROJECT BILLBOARD/SIGNBOARD

1. GENERAL REQUIREMENTS

THE CONTRACTOR SHALL INSTALL TWO (2) PROJECT INFORMATION SIGNS AT / OR NEAR THE BEGINNING AND THE END OF THE PROJECT OR UPON THE DISCRETION OF THE ENGINEER.

THE SIGNS ARE PRESCRIBED SEPARATELY BY THE DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS (DPWH) FOR GOVERNMENT INFRASTRUCTURE PROJECTS TO INFORM THE PUBLIC OF THE IMPLEMENTATION OF THE PROJECT AND TO ADVISE THE ROAD USERS OF THE ONGOING CONSTRUCTION.

THE NEW BILLBOARD DESIGN LAYOUT, DIMENSION AND LETTER SIZES ON WHITE BACKGROUND, SHALL BE DEPICTED ON STANDARD BILLBOARD MEASURING 1,220MM X 2,440 MM USING 12.50 MM THICK MARINE PLYWOOD OR TARPAULIN OF THE SAME SIZE POSTED ON 5 MM MARINE PLYWOOD. FOR EACH BUILDING PROJECT, THE BILLBOARD SHALL BE INSTALLED IN FRONT OF THE PROJECT SITE. FOR EACH ROAD/BRIDGE/FLOOD CONTROL PROJECT, TWO BILLBOARDS SHALL BE INSTALLED, ONE (1) AT THE BEGINNING AND ONE (1) AT THE END OF THE PROJECT.

FOR ROAD PROJECTS WITH A LENGTH OF 10KM OR MORE, ADDITIONAL BILLBOARD SHALL ALSO BE INSTALLED AT EVERY 5KM INTERVAL. NAME(S) AND/OR PICTURE(S) OF ANY PERSONAGES SHOULD NOT APPEAR ON THE BILLBOARD.

NOT OTHER BILLBOARDS SHALL BE ALLOWED 100 M BEFORE AND 100 M AFTER ALL DPWH PROJECTS AND IN-BETWEEN THE PROJECT LIMITS OR WITHIN THE ROAD RIGHT-OF-WAY. DPWH CONTRACTORS SHALL NOT BE ALLOWED TO PLACE NAMES OF POLITICIANS OR CARRY POLITICAL BILLBOARD ON THEIR EQUIPMENT.

THE CONTRACTOR SHALL ALSO INSTALL ONE (1) BILLBOARD AS PER COA CIRCULAR NO. 2013-004, INFORMATION AND PUBLICITY ON PROGRAMS/PROJECTS/ACTIVITIES OF GOVERNMENT AGENCIES.

UPON COMPLETION OF THE WORK, ALL SIGNS INSTALLED SHALL BE REMOVED FROM THE SITE.

ITEM B.7 OCCUPATIONAL SAFETY AND HEALTH

B.7.1 DESCRIPTION

THIS ITEM COVERS THE IMPLEMENTATION OF CONSTRUCTION SAFETY IN ALL STAGES OF PROJECT PROCUREMENT (DESIGN, ESTIMATE, CONSTRUCTION AND MAINTENANCE), REQUIREMENTS, PROVISIONS, AND INSTRUCTIONS FOR THE GUIDANCE OF THE ENGINEER

B.7.2 CONSTRUCTION SAFETY AND HEALTH PROGRAM(CSHP)

EVERY CONSTRUCTION PROJECT SHALL HAVE A SUITABLE AND APPROVED CONSTRUCTION SAFETY AND HEALTH PROGRAM (CSHP) AS REQUIRED IN ALL PROJECTS REGARDLESS OF AMOUNT, FUNDING SOURCE AND MODE OF IMPLEMENTATION WHICH SHALL COMPLY WITH THE MINIMUM SAFETY AND HEALTH REQUIREMENTS AS SPECIFIED IN THE OCCUPATIONAL SAFETY AND HEALTH STANDARDS.

THE REQUIRE CSHP SHALL INCLUDE BUT NOT LIMITED TO THE FOLLOWING:

1. COMPOSITION OF THE SAFETY AND HEALTH PERSONNEL RESPONSIBLE FOR THE PROPER IMPLEMENTATION OF CSHP.
2. SPECIFIC SAFETY POLITIES WHICH SHALL BE UNDERTAKEN IN THE CONSTRUCTION SITE, INCLUDING FREQUENCY OF AND PERSONS RESPONSIBLE FOR CONDUCTING TOOLBOX AND GANG MEETINGS.
3. PENALTIES AND SANCTIONS FOR VIOLATION OF THE CSHP.
4. FREQUENCY, CONTENT AND PERSONS RESPONSIBLE FOR ORIENTING, INSTRUCTING AND TRAINING ALL WORKERS AT THE SITE WITH REGARD TO THE CSHP WHICH THEY OPERATE.
5. THE MANNER OF DISPOSING WASTE ARISING FROM THE CONSTRUCTION.



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGION VII
SOUTHERN LEYTE 2ND DISTRICT
ENGINEERING OFFICE
80000 SOUTHERN LEYTE

PROJECT NAME AND LOCATION
CONVERGENCE AND SPECIAL SUPPORT PROGRAM - BASIC
INFRASTRUCTURE PROGRAM (BIP) - MULTI-PURPOSE BUILDING
FACILITIES TO SUPPORT SOCIAL NETWORK -
CONSTRUCTION/COMPLETION OF MULTI-PURPOSE BUILDING
BARANGAY BARISCAE B. HIRANOGAN SOUTHERN LEYTE

SHEET CONTENTS
GENERAL REQUIREMENTS

DRAWN BY
DATE
PREPARED
DATE

REVIEWED
DATE
JULIOME C. VILLERO
FEB 25 2025

REVISOR
DATE
FEB 27 2025

RECOMMENDED
DATE
RAINIER L. C. RUIZ
FEB 27 2025

APPROVED
DATE
EDUARDO V. SANTOS
MAR 07 2025

SET NO.
SHEET NO.

1
4

SUMMARY OF QUANTITIES

Permits and Clearances	1.00	L.S.
Project Billboard / Signboard	4.00	Each
Occupational Safety and Health	1.00	L.S.
Mobilization / Demobilization	1.00	L.S.
Removal of Structures and Obstruction	1.00	L.S.
Structure Excavation (Common Soil)	37.00	Cu.m
Embankment from Roadway/Structure Excavation (Common Soil)	13.00	Cu.m
Gravel Fill	1.04	Cu.m
Structural Concrete Class A-28 days (3000 psi)	21.00	Cu.m
Lean Concrete	1.00	Cu.m
Reinforcing Steel (Deformed), Grade 40	3,912.00	Kg
Formworks and Falseworks	120.00	Sq.m
Sewer Line Works	1.00	L.S.
Septic Vault, Concrete/CHB	1.00	L.S.
Cold Water Lines	1.00	L.S.
Plumbing Works	1.00	L.S.
Ceiling 4.5 mm Metal Frame Fiber Cement Board	38.00	Sq.m
Finishing Hardware	1.00	L.S.
Aluminum Glass Windows Sliding Type	5.00	SQ.M
Aluminum Glass Windows Awning Type	3.00	SQ.M
Frames (Jamba, Sill, Head, Transoms and Mullions)	5.00	Set
Doors, Wood Panel	10.00	SQ.M
Prepainted Metal Sheets above 0.427 mm Corrugated Type Long Span	30.00	Sq.m
Waterproofing Cement-base	4.00	Sq.m
Unglazed Tiles	4.00	Sq.m
Glazed Tiles	6.00	Sq.m
Cement Plaster Finish	221.00	SQ.M
Painting Works, Masonry/Concrete	206.00	Sq.m
Painting Works Steel	33.00	Sq.m
CHB Non Load Bearing (including Reinforcing Steel) 100 mm	8.00	Sq.m
CHB Non Load Bearing (including Reinforcing Steel) 150 mm	114.00	Sq.m
Structural Steel, Trusses	211.00	Kgs
Structural Steel, Purlins	106.00	Kgs
Metal Structure Accessories, Sagrods	8.00	Kgs
Metal Structure Accessories, Bolts and Rods	16.00	Each
Metal Structure Accessories, Steel Plates	24.00	Kgs
Railings	1.00	L.S.
Conduits, Boxes & Fittings (Conduit Works/Conduit Rough-in)	1.00	L.S.
Wires and Wiring Devices	1.00	L.S.
Panelboard with Main & Branch Breakers	1.00	L.S.
Lighting Fixtures	1.00	L.S.



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGION VI
**SOUTHERN LEYTE 2nd DISTRICT
ENGINEERING OFFICE**
80000 SOUTHERN LEYTE

PROJECT NAME AND LOCATION
CONVIVENCE AND SPECIAL SUPPORT PROGRAM - BASIC
INFRASTRUCTURE PROGRAM (BIP) - MULTI-PURPOSE BUILDING
FACILITIES TO SUPPORT SOCIAL SERVICES -
CONSTRUCTION (COMPLETION) OF MULTI-PURPOSE BUILDING
BRANKAY BRICKER, HILIRAWAN SOUTHERN LEYTE

SHEET CONTENTS
SUMMARY OF QUANTITIES

DRAWN BY: *[Signature]*
DATE: **FEB 25 2025**
PREPARED BY: *[Signature]*
DATE: **FEB 25 2025**

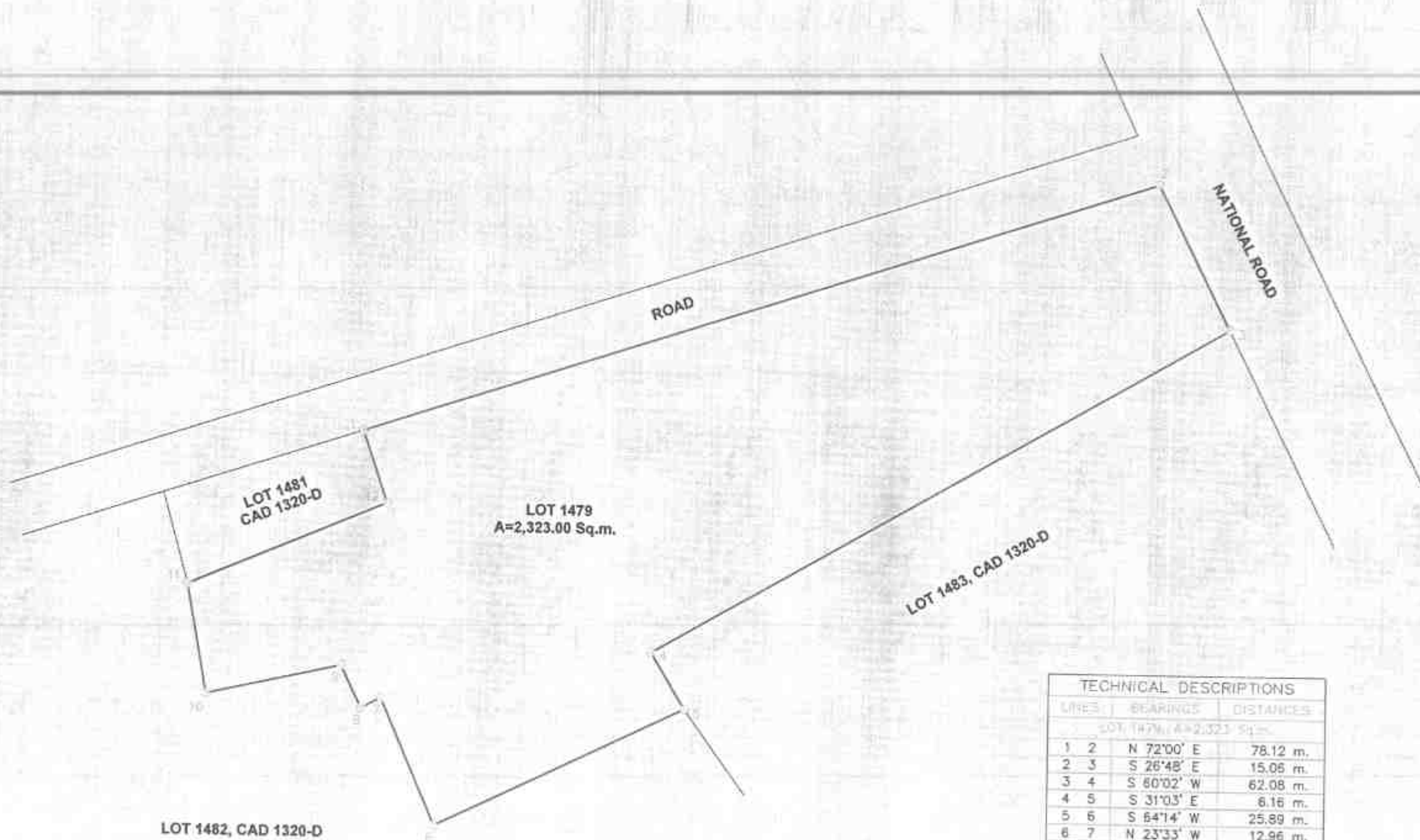
REVIEWED BY: *[Signature]*
DATE: **FEB 27 2025**

SUBMITTED BY: *[Signature]*
DATE: **FEB 27 2025**

RECOMMENDED BY: *[Signature]*
DATE: **MAR 07 2025**

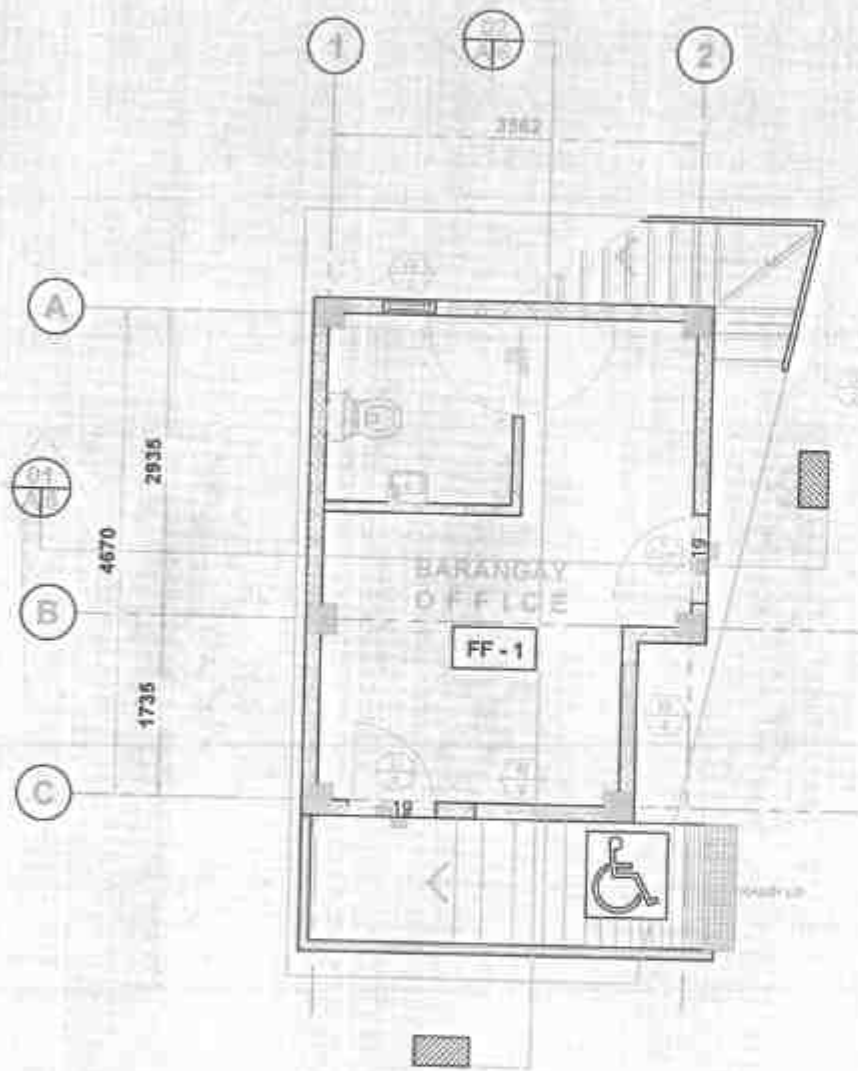
APPROVED BY: *[Signature]*
DATE: **MAR 07 2025**

SET NO. **1**
SHEET NO. **4**
34

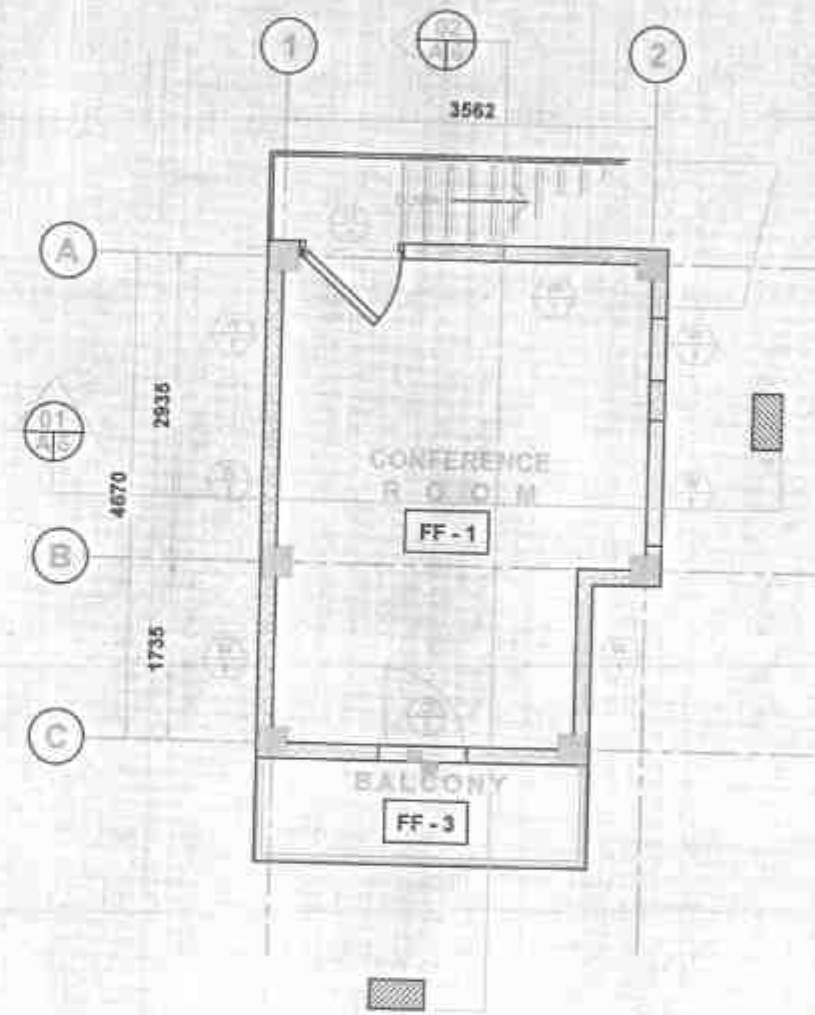


TECHNICAL DESCRIPTIONS			
LINE	BEARINGS	DISTANCES	
LOT 1479, A=2,323.00 Sq.m.			
1 2	N 72°00' E	78.12 m.	
2 3	S 26°48' E	15.06 m.	
3 4	S 60°02' W	62.08 m.	
4 5	S 31°03' E	8.16 m.	
5 6	S 64°14' W	25.89 m.	
6 7	N 23°33' W	12.96 m.	
7 8	S 62°13' W	2.11 m.	
8 9	N 25°31' W	4.39 m.	
9 10	S 77°16' W	12.90 m.	
10 11	N 10°13' W	10.44 m.	
11 12	N 67°06' E	20.09 m.	
12 1	N 19°02' W	7.13 m.	
THE LINES ARE ALL IN CAD 1320-D, CAD 1320-D			
HORIZONTAL DISTANCE TO CORNER 11			
LINE	BEARINGS	DISTANCES	
1479	S 03°26' W	536.83 m.	

REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGION VII SOUTHERN LEYTE 2ND DISTRICT ENGINEERING OFFICE BOODS, SOUTHERN LEYTE	PROJECT NAME AND LOCATION: CONVERGENCE AND SPECIAL SUPPORT PROGRAM - BANG INFRASTRUCTURE PROGRAM (BIP) - MULTI-PURPOSE BUILDINGS FACILITIES TO SUPPORT SOCIAL SERVICES CONSTRUCTION/COMPLETION OF MULTI-PURPOSE BUILDING BARANGAY BANGCAB & BIRAHAYGAN, SOUTHERN LEYTE	SHEET CONTENTS: SITE DEVELOPMENT PLAN	DRAFTED: HEAVY M. CORDERA ARCHT. DATE: FEB 23 2025 PREPARED: ALBERTO C. VILLANO ENGINEER DATE: FEB 25 2025	REVIEWED: JULIA A. DELA CRUZ ENGINEER DATE: FEB 27 2025	SUBMITTED: WANNER LOU C. RUIZ CHIEF PLANNING & DESIGN SECTION DATE: FEB 27 2025	RECOMMENDED: EVELYN D. YAP ASSISTANT DISTRICT ENGINEER DATE: MAR 07 2025	APPROVED: EDUARDO V. SANTOS DISTRICT ENGINEER DATE: MAR 07 2025	SET NO. 1	SHEET NO. 14
	14								



01 GROUND FLOOR PLAN



02 SECOND FLOOR PLAN



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGION VII
SOUTHERN LEYTE 2ND DISTRICT
ENGINEERING OFFICE
80000 SOUTHERN LEYTE

PROJECT NAME AND LOCATION
CONVERGENCE AND SPECIAL SUPPORT PROGRAM - BANG
INFRASTRUCTURE PROGRAM (BIP) - MULTIPURPOSE BUILDING
FACILITIES TO SUPPORT SOCIAL SERVICES
CONSTRUCTION COMPLETION OF MULTIPURPOSE BUILDING
BARANGAY BANTOG, BANTOG, SOUTHERN LEYTE

SHEET CONTENTS
GROUND FLOOR PLAN
SECOND FLOOR PLAN

DRAFTED	REVIEWED	SUBMITTED	RECOMMENDED	APPROVED	SET NO.	SHEET NO.
DATE: FEB 25 2025 ENGINEER: JIMMIE C. VELINO	DATE: FEB 27 2025 ENGINEER: JIMMIE C. VELINO	DATE: FEB 27 2025 ENGINEER: JIMMIE C. VELINO	DATE: MAR 07 2025 ENGINEER: EDUARDO V. SANTOS	DATE: MAR 07 2025 ENGINEER: EDUARDO V. SANTOS	A 2	7 34

SLOPE 

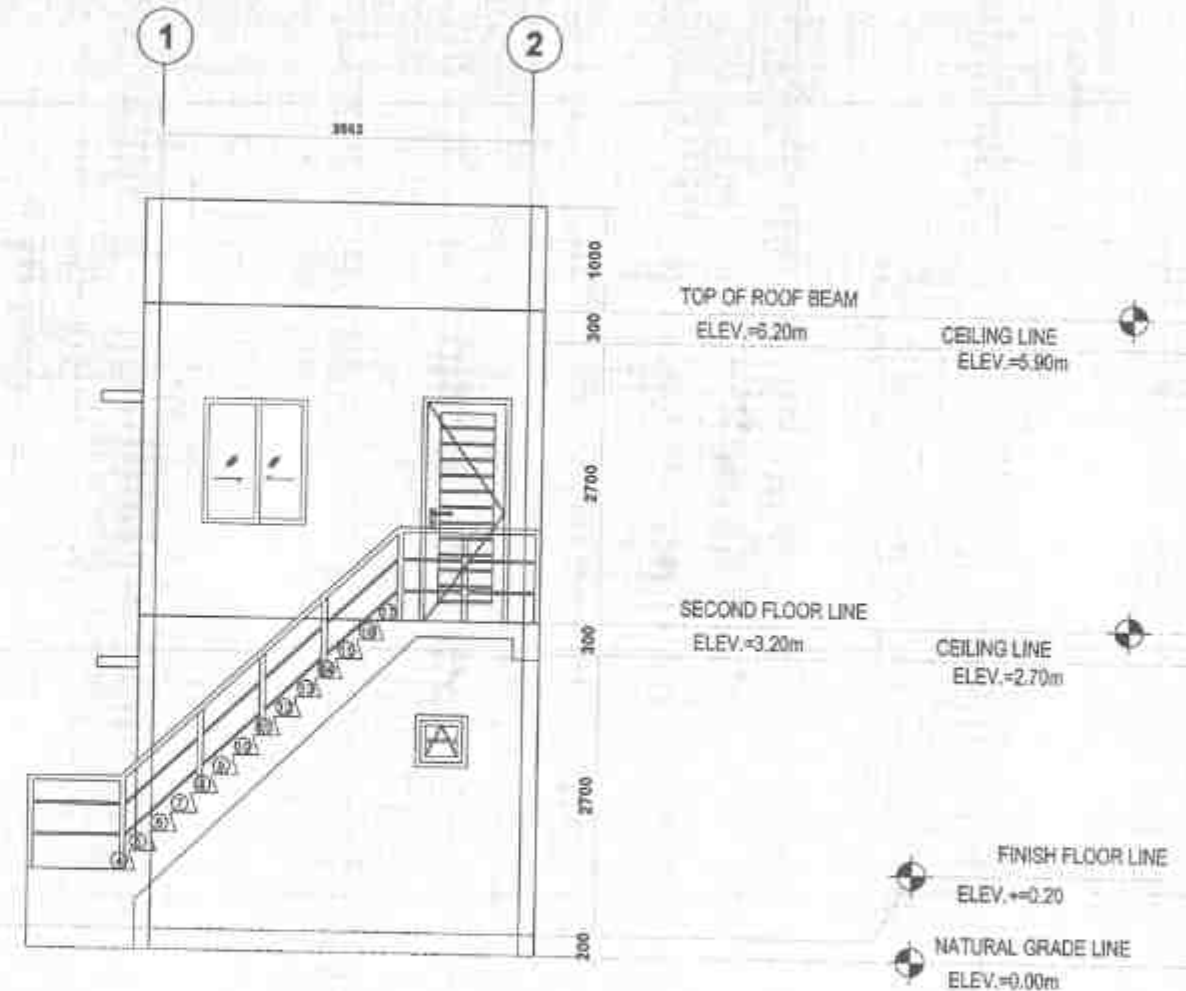
SLOPE

01 ROOF PLAN
A7 SCALE 1/25mm

 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGION VII SOUTHERN LEYTE 2ND DISTRICT ENGINEERING OFFICE BOOHO, SOUTHERN LEYTE	PROJECT NAME AND LOCATION: CONVERGENCE AND APPEAL SUPPORT PROGRAM - BASIC INFRASTRUCTURE PROGRAM (BIP) - MULTI-PURPOSE BUILDING FACILITIES TO SUPPORT SOCIAL SERVICES - CONSTRUCTION/COMPLETION OF MULTI-PURPOSE BUILDING BARANGAY BAROGAS B. HINOHAWANG, SOUTHERN LEYTE	SHEET CONTENTS: ROOF PLAN	DRAFTED: MR. JUAN M. BARRERA	DESIGNED: JOSE S. BARTOLAR	SUBMITTED: RAMON LOPEZ BUIR	RECOMMENDED: EVELYN T. KARAN	APPROVED: EDUARDO V. SANTOS	SHEET NO.: A	SHEET NO.: 8
			DATE: FEB 23 2025	DATE: FEB 27 2025	DATE: FEB 27 2025	DATE: MAR 07 2025	DATE: MAR 07 2025		



01 FRONT ELEVATION
A4 SCALE



02 REAR ELEVATION
A4 SCALE



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGION VII
SOUTHERN LEYTE 2ND DISTRICT
ENGINEERING OFFICE
3000D, SOUTHERN LEYTE

PROJECT NAME AND LOCATION
CONVERGENCE AND SPECIAL SUPPORT PROGRAM - BASIC
INFRASTRUCTURE PROGRAM (BIP) - MULTIPURPOSE BUILDINGS
ADDITION TO SUPPORT SOCIAL SERVICES -
CONSTRUCTION (COMPLETION) OF MULTIPURPOSE BUILDING
BARANGAY BRIGAS & HILIRANAN, SOUTHERN LEYTE

SHEET CONTENTS
FRONT ELEVATION
REAR ELEVATION

DRAFTED
KEVIN P. SORIANO
DATE
FEB 25 2025
DESIGNED
JESSE M. G. VELAZQUEZ
DATE
FEB 25 2025

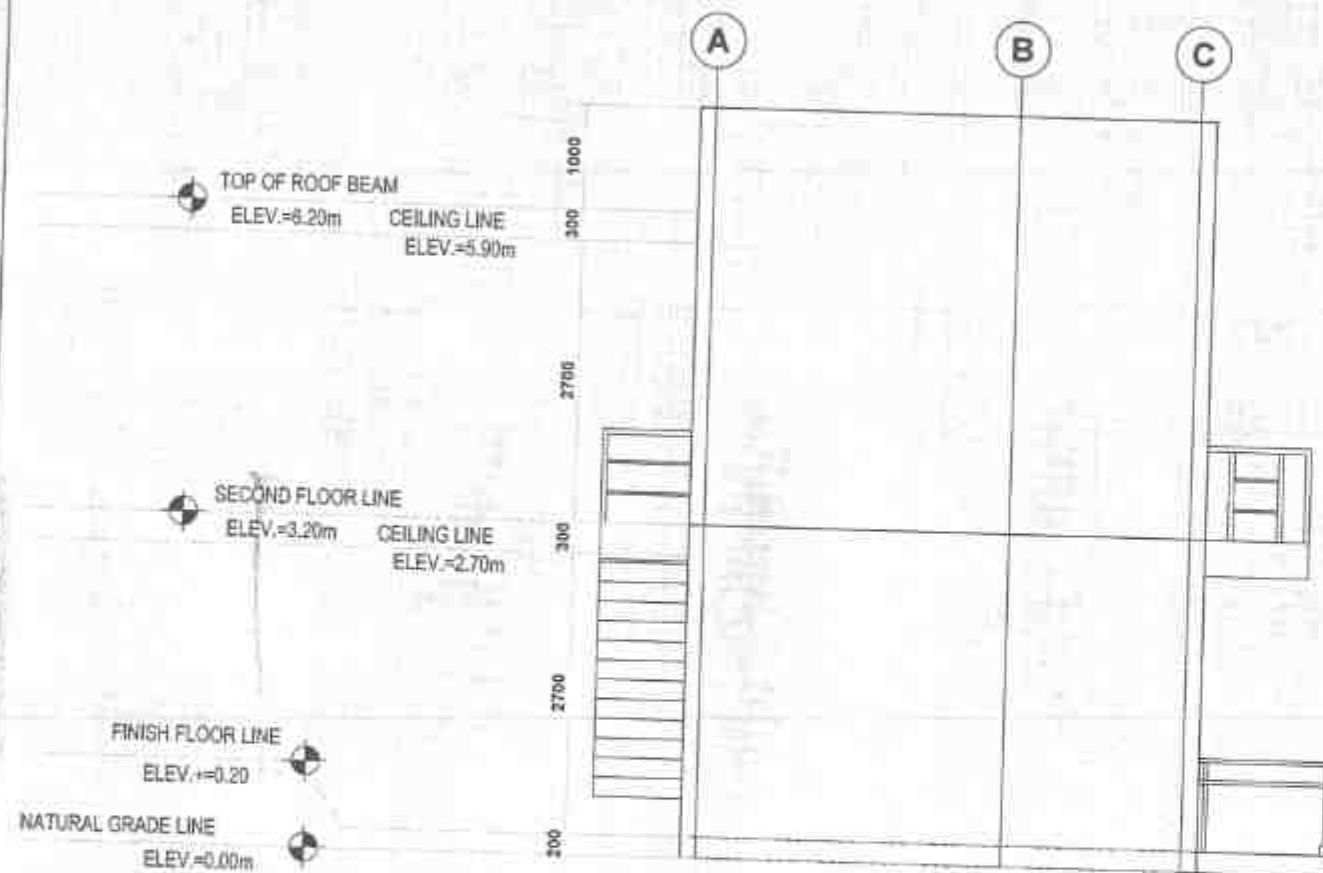
REVIEWED
JOSE A. BALTAZAR
ENGINEER II
DATE
FEB 27 2025

ELABORATED
WALTER LOPEZ C. RUIZ
CHIEF PLANNING & DESIGN SECTION
DATE
FEB 27 2025

RECOMMENDED
EVELYN D. YALA
ASSISTANT DISTRICT ENGINEER
DATE
MAR 07 2025

APPROVED
EDUARDO V. SANTOS
DISTRICT SUPERVISOR
DATE
MAR 07 2025

SHEET NO.
A
4 14
SHEET NO.
9
24



01 LEFT SIDE ELEVATION
AS SCALE 1:2000



02 RIGHT SIDE ELEVATION
AS SCALE 1:2000

REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGIONAL OFFICE SOUTHERN LEYTE 2ND DISTRICT ENGINEERING OFFICE 30000, SOUTHERN LEYTE	PROJECT NAME AND LOCATION CONFERENCE AND SPECIAL SUPPORT PROGRAM - BASIC INFRASTRUCTURE PROGRAM (BIP) - MULTI-PURPOSE BUILDINGS FACILITIES TO SUPPORT SOCIAL SERVICES. CONSTRUCTION COMPLETION OF MULTI-PURPOSE BUILDING SARANGAY BAYOGAS, MOUNTAIN, SOUTHERN LEYTE	SHEET COMPLETE LEFT SIDE ELEVATION, RIGHT SIDE ELEVATION	DRAWN BY: HEAVY D. DURAN DATE: FEB 25 2025	REVIEWED: JOSE BALAZAR DATE: FEB 27 2025	APPROVED: EDUARDO V. SANTOS DATE: MAR 07 2025	REVISIONS: 1. A 2. 14 3. 34
			DATE: FEB 25 2025	DATE: FEB 27 2025	DATE: MAR 07 2025	DATE: MAR 07 2025

TOP OF PARAPET
ELEV.=7.20m

TOP OF ROOF BEAM
ELEV.=6.20m

CEILING LINE
ELEV.=5.90m

SECOND FLOOR LINE
ELEV.=3.20m

CEILING LINE
ELEV.=2.70m

FINISH FLOOR LINE
ELEV.=+0.20

NATURAL GRADE LINE
ELEV.=0.00m



01 CROSS SECTION
AS SCALE 1/800



TOP OF ROOF BEAM
ELEV.=6.20m

CEILING LINE
ELEV.=5.90m

SECOND FLOOR LINE
ELEV.=3.20m

CEILING LINE
ELEV.=2.70m

FINISH FLOOR LINE
ELEV.=+0.20

NATURAL GRADE LINE
ELEV.=0.00m

02 LONGITUDINAL SECTION
AS SCALE 1/800



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGION VII
SOUTHERN LEYTE 2nd DISTRICT
ENGINEERING OFFICE
8000S SOUTHERN LEYTE

PROJECT NAME AND LOCATION
CONVERGENCE AND SPECIAL SUPPORT PROGRAM - BASIC
INFRASTRUCTURE PROGRAM (BSP) - MULTIPURPOSE BUILDINGS
FACILITIES TO SUPPORT SOCIAL SERVICES -
CONSTRUCTION COMPLETION OF MULTIPURPOSE BUILDING
BARANGAY BANGKOK & HIGUANASAL, SOUTHERN LEYTE

SHEET CONTENTS
CROSS SECTION
LONGITUDINAL SECTION

DRAFTED
DATE
PREPARED
DATE
JURGEN C. VILLANO
ENGINEER

REVIEWED
DATE
FEB 27 2025
RAIMER LOPEZ BUZ
CHECK PLANNING & DESIGN SECTION

SUBMITTED
DATE
FEB 27 2025

RECOMMENDED
DATE
MAR 07 2025
EVELYN D. LAP
ASSISTANT DISTRICT ENGINEER

APPROVED
DATE
MAR 07 2025
EDUARDO V. SANTOS
DISTRICT ENGINEER

SHEET NO.
11
SHEET NO.
34

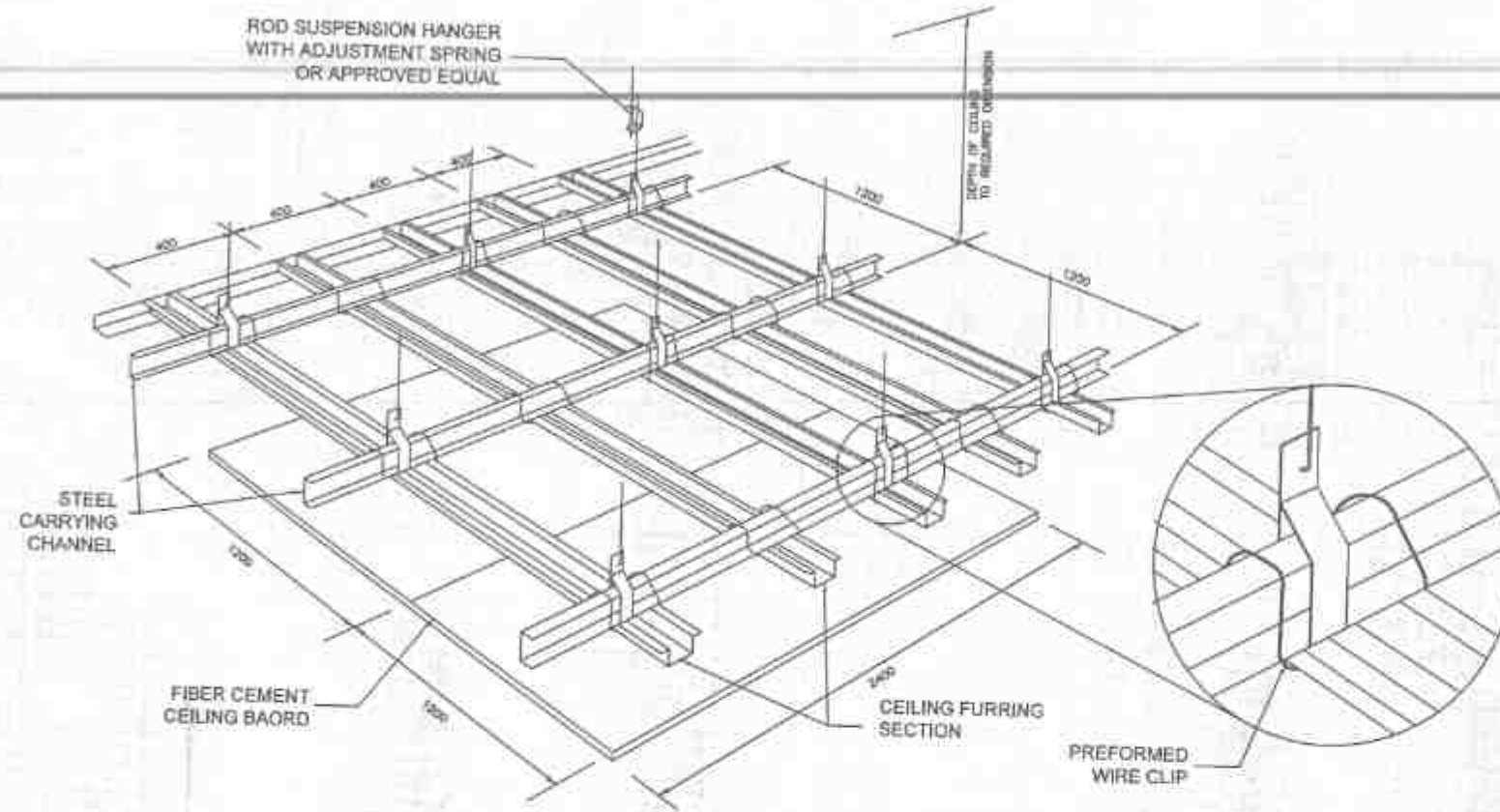
FEB 25 2025

FEB 27 2025

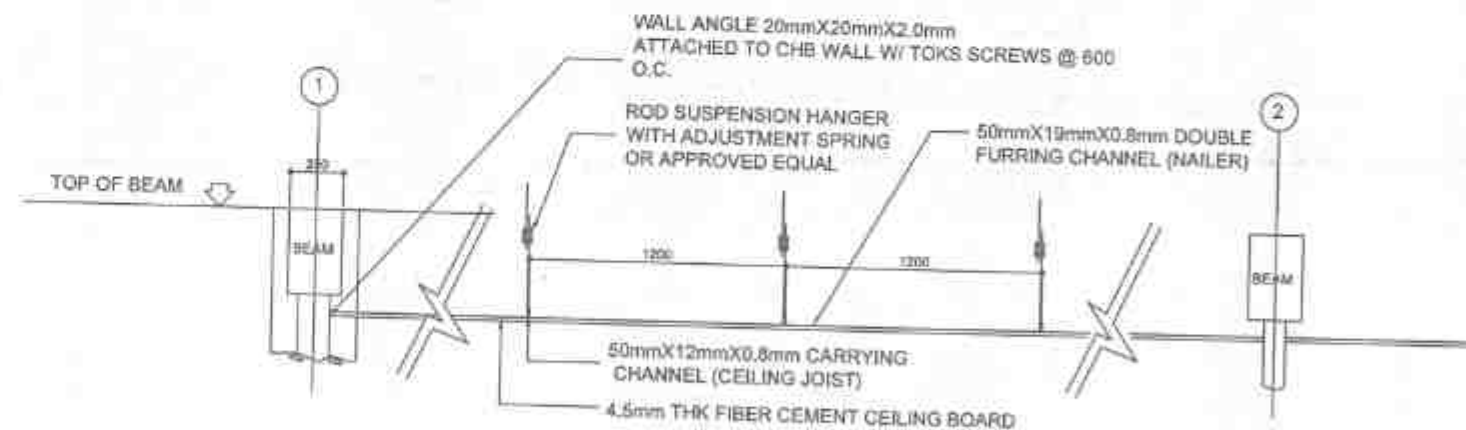
FEB 27 2025

MAR 07 2025

MAR 07 2025



01 CEILING DETAILS
AS SCALE 1/2000



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGION VIII
SOUTHERN LEYTE 2ND DISTRICT
ENGINEERING OFFICE
BIOOD, SOUTHERN LEYTE

PROJECT NAME AND LOCATION
CONVERGENCE AND SPECIAL SUPPORT PROGRAM - BASIC
INFRASTRUCTURE PROGRAM (BSP) - MULTI-PURPOSE BUILDING
FACILITY TO SUPPORT SOCIAL SERVICES -
CONSTRUCTION COMPLETION OF MULTI-PURPOSE BUILDING
BARANGAY BAROOGAS & YRAVANANGAL, SOUTHERN LEYTE

SHEET CONTENTS
CEILING DETAILS

DRAFTED: *[Signature]*
DATE: FEB 25 2025
CHECKED: *[Signature]*
DATE: FEB 27 2025
DESIGNED: *[Signature]*
DATE: FEB 27 2025

REVIEWED: *[Signature]*
DATE: FEB 27 2025
APPROVED: *[Signature]*
DATE: MAR 07 2025

SUBMITTED: *[Signature]*
DATE: FEB 27 2025
RECOMMENDED: *[Signature]*
DATE: MAR 07 2025

APPROVED: *[Signature]*
DATE: MAR 07 2025
DISTRICT ENGINEER

EDUARDO V. SANTOS
DISTRICT ENGINEER

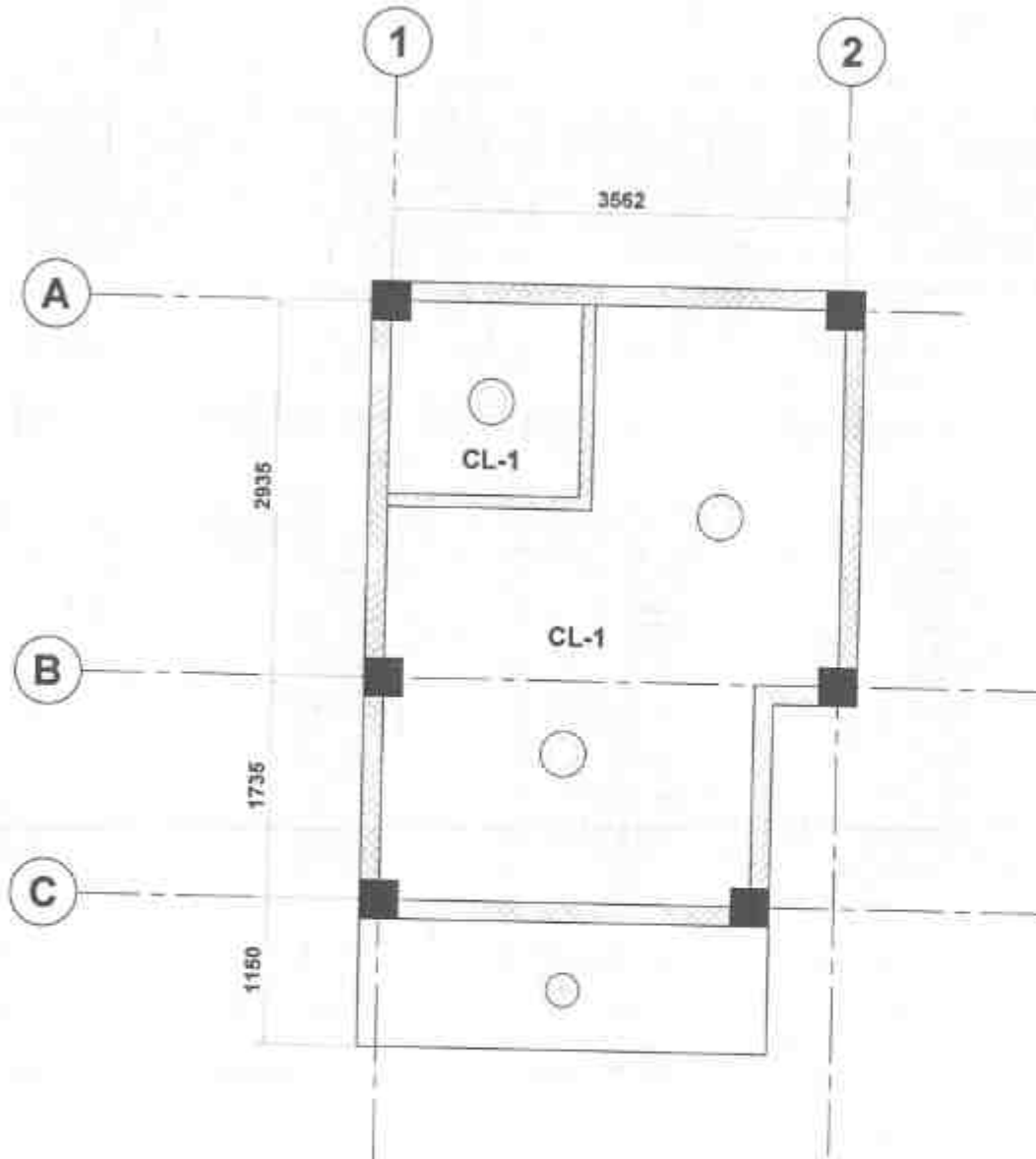
SHEET NO. 13
SHEETING 34

LEGEND

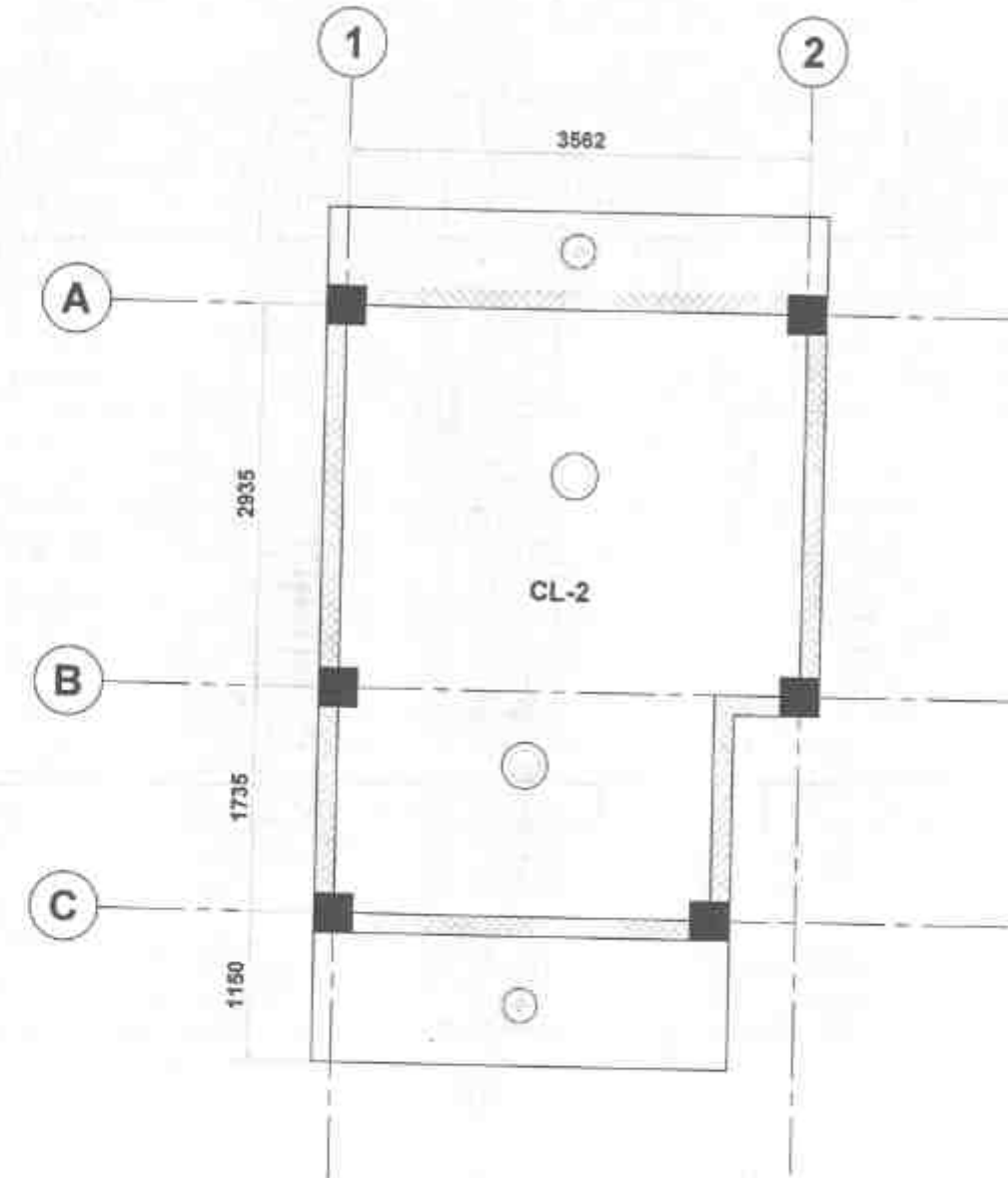
SYMBOL	DESCRIPTION
○	6" CIRCULAR VERTICAL DOWNLIGHT 9W LED
○	SURFACE TYPE DOWN LIGHT WITH 9W LED

SCHEDULE OF CEILING FINISHES

NO.	DESCRIPTION
CL-1	Acoustic Fiber Cement Ceiling Board w/ Painted Finish on Metal Joists and Ceiling Trusses. See Detail D.



01
A7 SCALE
GROUND FLOOR REFLECTED CEILING PLAN
1:1000



02
A7 SCALE
SECOND FLOOR REFLECTED CEILING PLAN
1:1000



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGION VIII
**SOUTHERN LEYTE 2ND DISTRICT
ENGINEERING OFFICE**
80000 SOUTHERN LEYTE

PROJECT NAME AND LOCATION
CONFORMANCE AND SPECIAL SUPPORT PROGRAM - BASIC
INFRASTRUCTURE PROGRAM (BIP) - MULTIPURPOSE BUILDING
FACILITIES TO SUPPORT SOCIAL SERVICES -
CONSTRUCTION COMPLETION OF MULTIPURPOSE BUILDING
BARANGAY SANGKALAN, HINUNGAN, SOUTHERN LEYTE

SHEET CONTENTS
GROUND FLOOR REFLECTED CEILING PLAN
SECOND FLOOR REFLECTED CEILING PLAN

DRAWN BY: HEAVY
DATE: FEB 25 2025
CHECKED BY: JAMES L. VILLALBA
DATE: FEB 27 2025

REVIEWED BY: JAMES L. VILLALBA
DATE: FEB 27 2025

SUBMITTED BY: JAMES L. VILLALBA
DATE: FEB 27 2025

RECOMMENDED BY: JAMES L. VILLALBA
DATE: MAR 07 2025

APPROVED BY: EDUARDO V. SANCOS
DATE: MAR 07 2025

SET NO.	SHEET NO.
A	12
T 14	34

A

B

1

D 3

2

1800

1800

01 PWD TOILET DETAILS

A

1775

SECOND FLOOR LINE
ELEV. = 3.15m
GROUND FLOOR
CEILING LINE
ELEV. = 2.65m

500

700

1800

FINISH FLOOR LINE
ELEV. = 0.15m
FINISH GRADE LINE
ELEV. = 0.00m

150

50

W 3

WF - 2

CONCRETE WALL W/
SEMI-GLOSS
PAINT FINISH (WHITE)

WF - 1

A

2100

SECOND FLOOR LINE
ELEV. = 3.15m
GROUND FLOOR
CEILING LINE
ELEV. = 2.65m

500

700

1800

FINISH FLOOR LINE
ELEV. = 0.15m
FINISH GRADE LINE
ELEV. = 0.00m

150

50

CONCRETE WALL W/
SEMI-GLOSS
PAINT FINISH (WHITE)

WF - 1

WF - 2



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGION VII
SOUTHERN LEYTE 2ND DISTRICT
ENGINEERING OFFICE
80000 SOUTHERN LEYTE

PROJECT NAME AND LOCATION
CONVENIENCE AND SPECIAL SUPPORT PROGRAM - BASIC
INFRASTRUCTURE PROGRAM (BSP) - MULTI-PURPOSE BUILDINGS
FACILITIES TO SUPPORT SOCIAL SERVICES
CONSTRUCTION COMPLETION OF MULTI-PURPOSE BUILDING
BARUKLAY BARUKAS & HILAYONG, SOUTHERN LEYTE

SHEET CONTENTS
PWD TOILET DETAILS

DRAFTED
REVISED
DATE
FEB 25 2025

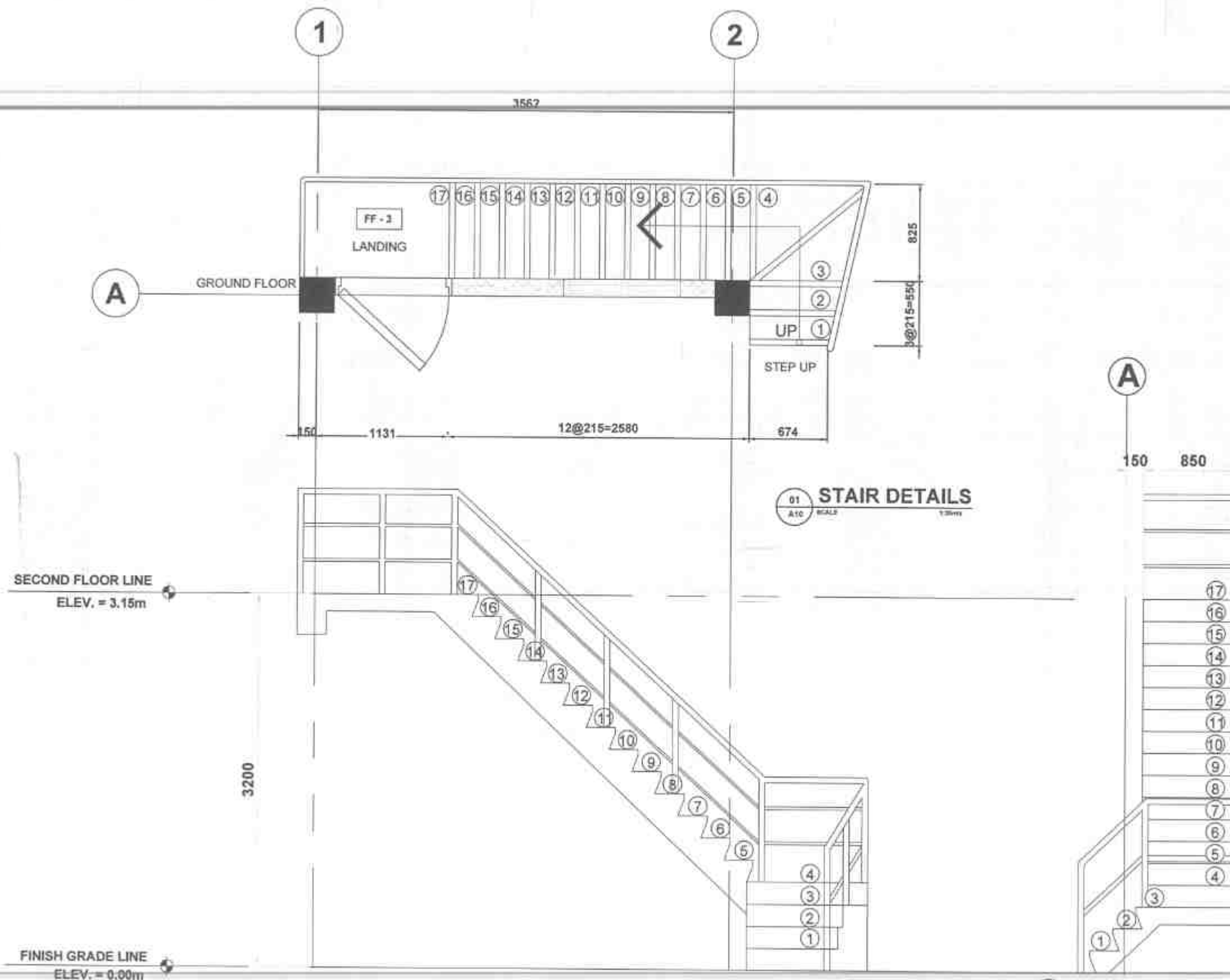
REVIEWED
DATE
FEB 27 2025

SUBMITTED
DATE
FEB 27 2025

RECOMMENDED
DATE
MAR 07 2025

APPROVED
DATE
MAR 07 2025

SHEET NO.	SHEET NO.
14	14
14	14



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGION VI
SOUTHERN LEYTE 2nd DISTRICT
ENGINEERING OFFICE
30030 SOUTHERN LEYTE

PROJECT NAME AND LOCATION
CONVERGENCE AND SPECIAL SUPPORT PROGRAM - BASIC
INFRASTRUCTURE PROGRAM (CSP) - MULTI-PURPOSE BUILDING
FACILITIES TO SUPPORT RURAL SERVICES
CONSTRUCTION COMPLETION OF MULTI-PURPOSE BUILDING
BARANGAY BANGKAS B, MIMUNANGAN, SOUTHERN LEYTE

SHEET CONTENTS
STAIR DETAILS

DRAWN
JUNIOR E. VILLALBA
DATE
FEB 25 2025

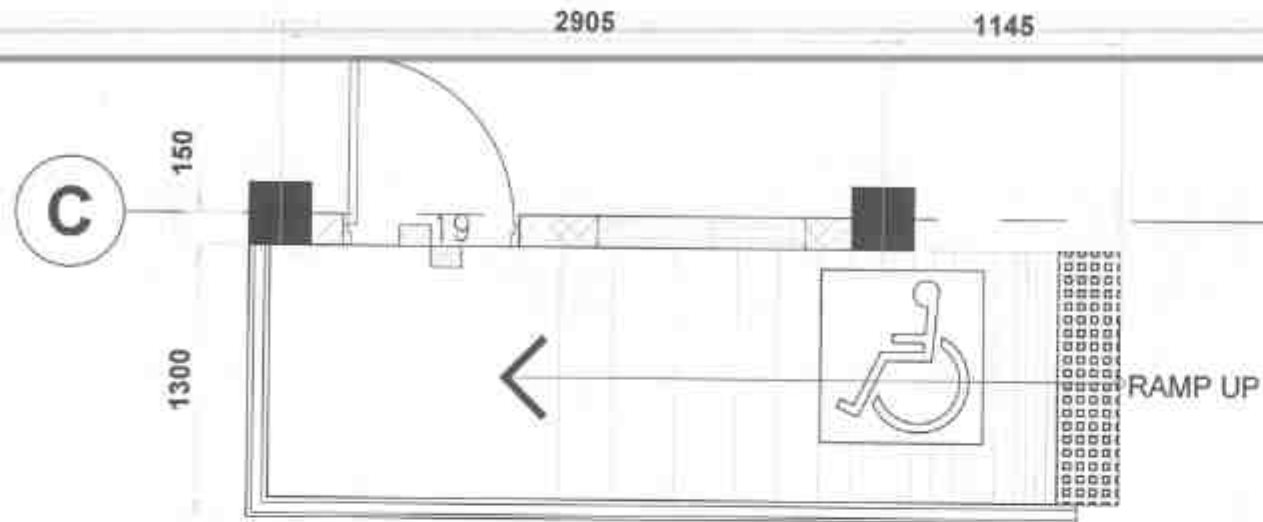
REVIEWED
JUNIOR E. VILLALBA
DATE
FEB 27 2025

SUBMITTED
JUNIOR E. VILLALBA
DATE
FEB 27 2025

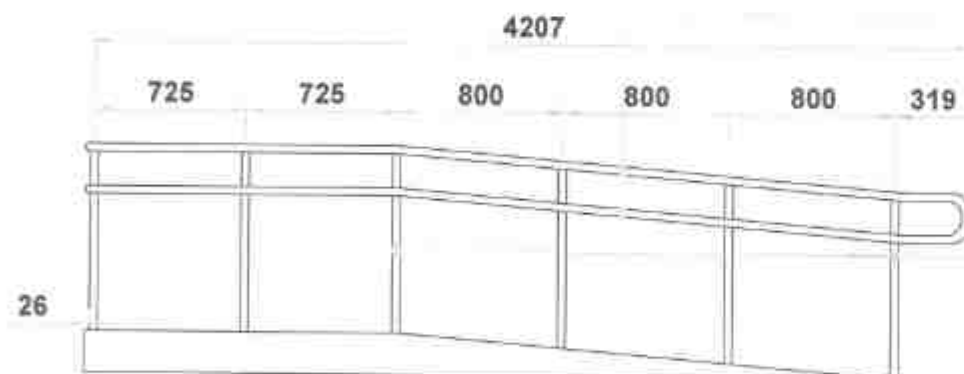
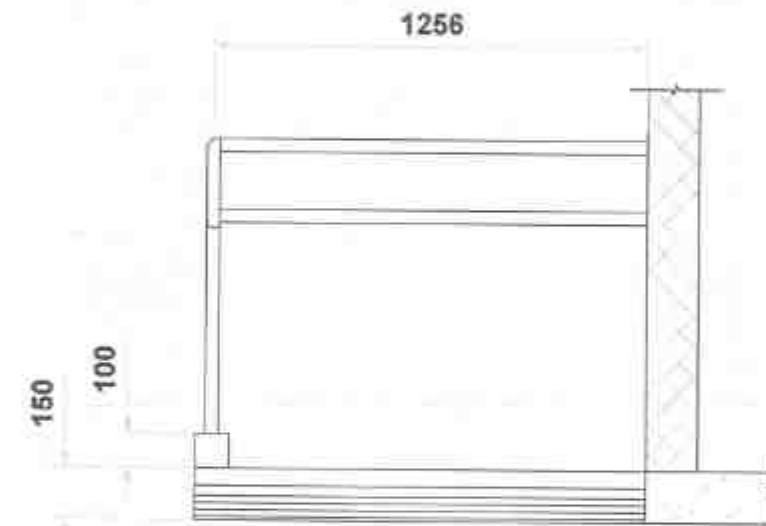
RECOMMENDED
JUNIOR E. VILLALBA
DATE
MAR 07 2025

APPROVED
EDUARDO V. BENEDES
DATE
MAR 07 2025

SET NO.
A
SHEET NO.
15
34



01 RAMP DETAILS
A11 SCALE 1:2500



38mm Ø STAINLESS STEEL
HANDRAIL
(1@900mm, 1@700mm HIGH
FROM RAMP FLOOR FINISH)
FULLY WELDED ON STAINLESS
STEEL PIPE RAILINGS

38mm Ø STAINLESS STEEL PIPE
(VERT.) RAILINGS FULLY WELDED
ON STAINLESS STEEL PIPE
HANDRAIL



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
(REGION VIII)
SOUTHERN LEYTE 2ND DISTRICT
ENGINEERING OFFICE
20020 SOUTHERN LEYTE

PROJECT NAME AND LOCATION:
CONVERGENCES AND SPECIAL SUPPORT PROGRAM - BASIC
INFRASTRUCTURE PROGRAM (BIP) - MULTIPURPOSE BUILDING
FACILITIES TO SUPPORT SOCIAL SERVICES -
CONSTRUCTION COMPLETION OF MULTIPURPOSE BUILDING
BARANGAY BANGKOL E, NINUNGAN, SOUTHERN LEYTE

SHEET CONTENTS:
RAMP DETAILS

DRAWN BY:
DATE:
PREPARED BY:
DATE:
CHECKED BY:
DATE:

DESIGNED BY:
DATE:
REVIEWED BY:
DATE:

SUBMITTED BY:
DATE:
RECOMMENDED BY:
DATE:

APPROVED BY:
DATE:

SET NO:
SHEET NO:

18
34

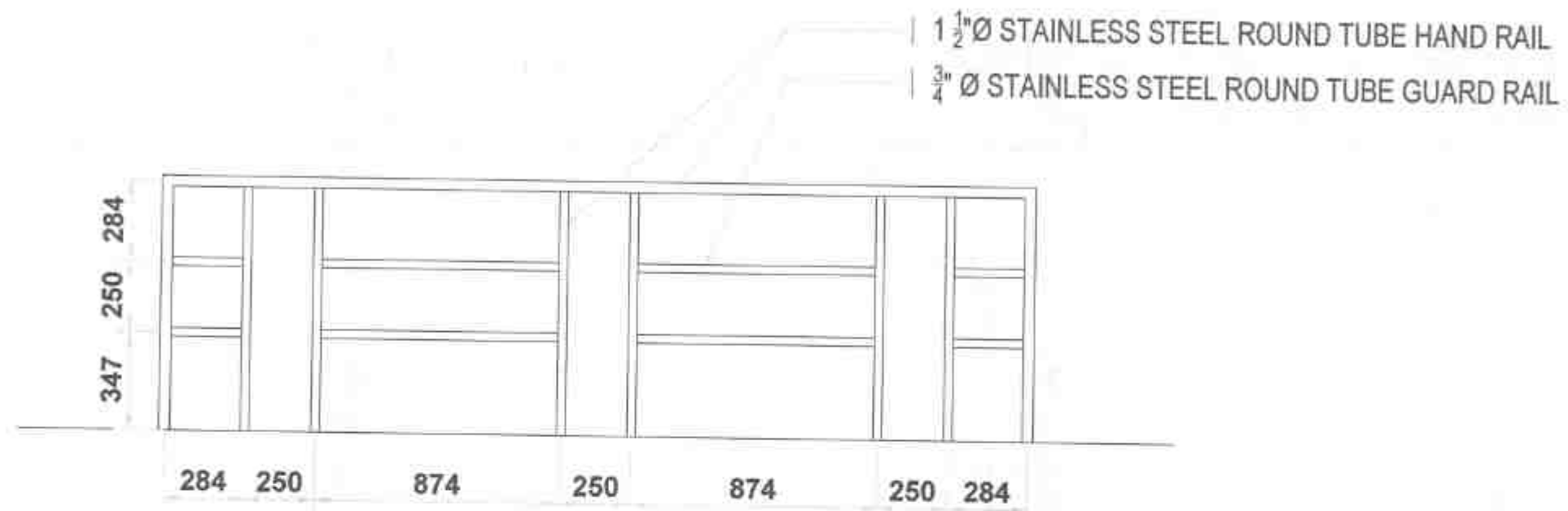
FEB 25 2025

FEB 27 2025

FEB 27 2025

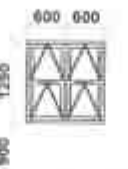
MAR 07 2025

MAR 07 2025



01 HANDRAIL DETAILS (BALCONY)
A12 SCALE 1/8"=1'-0"

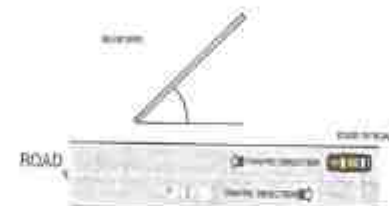
 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGION VII SOUTHERN LEYTE 2ND DISTRICT ENGINEERING OFFICE 80000 SOUTHERN LEYTE	PROJECT NAME AND LOCATION: CONFEREENCE AND SPECIAL SUPPORT PROGRAM - BASIC INFRASTRUCTURE PROGRAM (CSP) - MULTIPURPOSE BUILDINGS FACILITIES TO SUPPORT SOCIAL SERVICES - CONSTRUCTION (COMPLETION) OF MULTIPURPOSE BUILDING SARANGAY BAWOGAS & HIRABANGAS, SOUTHERN LEYTE	SHEET CONTENTS: HANDRAIL DETAILS (BALCONY)	DRAFTED: DATE: FEB 25 2025 BY: JEROME C. VILLERO	REVIEWED: DATE: FEB 27 2025 BY: JOSE BALANAR	SUBMITTED: DATE: FEB 27 2025 BY: RAHNER LOUIS RUIZ	RECOMMENDED: DATE: MAR 07 2025 BY: EVELYN D. MAP	APPROVED: DATE: MAR 07 2025 BY: EDUARDO V. SANTOS	SET NO: A SHEET NO: 17
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PLAN				
ELEVATION				
FIN. FLOOR LINE				
SCHEDULE				
DESCRIPTION	AWNING WINDOW TYPE W/ 1/4" THICK GLASS W/ ANALOC ALUMINUM FRAME	AWNING WINDOW TYPE W/ 1/4" THICK GLASS W/ ANALOC ALUMINUM FRAME	AWNING WINDOW TYPE W/ 1/4" THICK GLASS W/ ANALOC ALUMINUM FRAME	SLIDING WINDOW TYPE W/ 1/4" THICK GLASS W/ ANALOC ALUMINUM FRAME
NO. OF SETS	1 SET	1 SET	1 SET	4 SETS
LOCATION	SECOND FLOOR: CONFERENCE ROOM	SECOND FLOOR: CONFERENCE ROOM	GROUND FLOOR: TOILET	GROUND FLOOR: BARANGAY OFFICE SECOND FLOOR: CONFERENCE ROOM

PLAN			
ELEVATION			
FIN. FLOOR LINE			
SCHEDULE			
DESCRIPTION	SINGLE SWING WOODEN PANEL DOOR TYP. HINGED DOOR ON 50 X 150 mm WOOD JAMBS / FRAMES WITH LEVEL TYPE LOCK SETS	PVC DOOR W/ VENT WHITE / CHROME FINISH KNOB	SINGLE TYPE WOOD PANEL DOOR, A. LOCKSET: STAINLESS LEVER TYPE DOOR KEYED PRIVACY LOCKSET B. HINGE: 4-3"x3" LOOSE PIN HEAVY DUTY BUTT HINGE C. 2"x2" TREATED WOODEN DOOR JAMB
NO. OF SETS	2 SETS	1 SET	1 SET
LOCATION	GROUND FLOOR & SECOND FLOOR OFFICE	TOILET	GROUND FLOOR: PWD TOILET

01 SCHEDULE OF DOORS AND WINDOWS
A13 SCALE 1:50

 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGION VIII SOUTHERN LEYTE 2ND DISTRICT ENGINEERING OFFICE BARANGAY SOUTHERN LEYTE	PROJECT NAME AND LOCATION	SHEET CONTENTS	DATE PREPARED	DATE CHECKED	DATE SUBMITTED	DATE RECOMMENDED	DATE APPROVED	SET NO.	SHEET NO.
	CONVERGENCE AND SPECIAL SUPPORT PROGRAM - BASIC INFRASTRUCTURE PROGRAM (BIP) - MULTIPURPOSE BUILDINGS FACILITIES TO SUPPORT SOCIAL SERVICES CONSTRUCTION (COMPLETION) OF M.S.B. PURPOSE BUILDING BARANGAY BRIDGES & TRUNKROAD, SOUTHERN LEYTE	SCHEDULE OF DOORS AND WINDOWS	2025 FEB 25 2025	2025 FEB 27 2025	2025 FEB 27 2025	2025 MAR 07 2025	2025 MAR 07 2025	2025 MAR 07 2025	A 13 14

[illegible]

 NOTICE TO THE PUBLIC 

This is to inform that (name of proponent) has been issued with **Certificate of Non-Coverage (CNC)** No. _____ by the DENR-Environmental Management Bureau R3 for the (name of project) Located at (project location). Issued on _____.

[illegible]

COA STANDARD PROJECT BILLBOARD



CONSTRUCTION GENERAL NOTES

1. CONSTRUCTION NOTES & TYPICAL DETAILS APPLY TO ALL DRAWINGS UNLESS OTHERWISE SHOWN OR NOTED, MODIFY TYPICAL DETAILS AS DIRECTED TO MEET

2. SHOP DRAWINGS WITH ERECTION & PLACING DIAGRAM OF ALL STRUCTURAL STEEL, MISCELLANEOUS IRON, PRE-CAST CONCRETE ETC. SHALL BE SUBMITTED

3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS BEFORE ALL WORK IS TO BEGIN, CHECK WITH MECHANICAL & ELECTRICAL CONTRACTORS FOR CONDUITS, PIPE SLEEVES, ETC. TO BE EMBEDDED IN CONCRETE. SHORINGS & BRACINGS OF THE STRUCTURE FOR ALL LOADS THAT MAYBE IMPOSED DURING CONSTRUCTION.

B. CONCRETE & REINFORCEMENT

1. ALL MATERIALS & WORKMANSHIP SHALL CONFORM WITH THE LATEST BUILDING CODE OF AMERICAN CONCRETE INSTITUTE (ACI - 318)

2. ALL CONCRETE SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH AT THE END OF TWENTY EIGHT (28) DAYS WITH CORRESPONDING MAXIMUM SIZE AGGREGATE & SLUMP AS FOLLOWS:

LOCATION	28 DAYS STRENGTH	MAX. SIZE AGGREGATE	MAX. SLUMP
CURBS & SLAB ON GRADE EXCEPT FOUND.	3,000 PSI	1 IN. (25MM.)	4 IN. (100MM)
FOUNDATION & RETAINING WALL	3,000 PSI	3/4 IN. (19MM.)	4 IN. (100MM)
ALL OTHERS INCLUDING BEAMS			
SUSPENDED SLABS & COLUMNS	3,000 PSI	3/4 IN. (19MM.)	4 IN. (100MM)

3. ALL REINFORCING BARS SHALL CONFORM TO ASTM A615 GRADE 33KSI FOR MAINBAR, LATERAL TIES & STIRRUPS

4. IN GENERAL, THE LATEST EDITION OF ACI-318, MANUAL OF STANDARD PRACTICE DETAILING REINFORCED CONCRETE STRUCTURES SHALL BE ADHERED TO UNLESS OTHERWISE SHOWN OR NOTED.

5. MAINTAIN MINIMUM CONCRETE COVER FOR REINFORCING STEEL AS FOLLOWS:

SUSPENDED SLABS	20MM
SLAB ON GRADE	40MM
WALLS ABOVE GRADE	25MM
BEAM STIRRUPS	25MM
COLUMN TIES	40MM

WHERE CONCRETE IS EXPOSED TO EARTH BUT POURED AGAINST FORMS 50MM

FOOTINGS 75MM

6. SPLICES SHALL BE SECURELY WIRED TOGETHER & SHALL LAP OR EXTEND IN ACCORDANCE WITH TABLE 1 (TABLE OF LAP SPLICE & ANCHORAGE LENGTH) UNLESS OTHERWISE SHOWN ON DRAWINGS, SPLICES SHALL BE STAGGERED WHENEVER POSSIBLE.

7. ALL ANCHOR BOLTS, DOWELS, & OTHER INSERTS, SHALL BE PROPERLY POSITIONED & SECURED IN PLACE PRIOR TO PLACING OF CONCRETE.

8. CONTRACTOR SHALL NOTE & PROVIDE ALL MISCELLANEOUS CURBS, SILLS, STOOLS, EQUIPMENT, & MECHANICAL BASES THAT ARE REQUIRED BY THE ARCHITECTURAL, ELECTRICAL, & MECHANICAL DRAWINGS.

9. ALL CONCRETE SHALL BE KEPT MOIST FOR A MINIMUM OF SEVEN (7) CONSECUTIVE DAYS IMMEDIATELY AFTER POURING BY THE USE OF WET BURLAP, FOG SPRAYING, CURING COMPOUNDS OR OTHER APPROVED METHODS.

10. STRIPPING OF FORMS & SHORES

FOUNDATION	24 HRS.
SUSPENDED SLAB EXCEPT WHEN ADDITIONAL LOADS ARE IMPOSED	15 DAYS
WALLS	18 HRS.
BEAMS	14 DAYS
COLUMNS	7 DAYS

C. MASONRY & CONCRETE BLOCKS

1. ALL NON-LOAD BEARING TYPE CONCRETE BLOCKS SHALL HAVE A UNIT WEIGHT NOT TO EXCEED 80 PCF. FOR LOAD BEARING TYPE CONCRETE BLOCKS, A MINIMUM COMPRESSIVE STRENGTH OF 6.90 MPA. SHALL BE DEVELOPED.

2. PROVIDE 1- Ø 16 VERTICAL BARS AT CORNERS, INTERSECTIONS, END OF WALLS & EACH SIDE OF OPENINGS.

3. LINTEL BEAMS SHALL BEAR AT LEAST 8 INCHES (200 MM.) ON EACH SIDE OF MASONRY WALL OPENING.

4. WALL REINFORCEMENTS (UNLESS INDICATED) SHALL BE AS FOLLOWS:

WALL THICKNESS	VERTICAL REINFORCEMENT	HORIZONTAL REINFORCEMENT
8 IN. (200 MM.)	Ø 12 @ 400 MM.	Ø 10 @ 600 MM.
6 IN. (150 MM.)	Ø 10 @ 600 MM.	Ø 10 @ 600 MM.
4 IN. (100 MM.)	Ø 10 @ 600 MM.	Ø 10 @ 600 MM.

5. REINFORCING BARS SHALL BE LAPPED A MINIMUM OF 30 BAR DIAMETERS WHERE SPLICED. DOWELS FROM CONCRETE FOOTINGS OR SLABS SHALL EXTEND INTO THE BLOCK WALL A MINIMUM OF 30 BAR DIAMETERS, & DOWELS TO MATCH VERTICAL REINFORCEMENTS OF WALL.

6. ALL CELLS CONTAINING REINFORCING BARS OR INSERTS SHALL BE SOLIDLY FILLED WITH CONCRETE GROUT.

D. NOTES ON FOUNDATION

1. FOOTING SIZES WERE DESIGNED BASED ON ASSUMED BEARING CAPACITY OF 150KPA. PLEASE CONDUCT SOIL INVESTIGATION PRIOR TO CONSTRUCTION. IF THE SOIL IS SAND OR CLAY PLEASE INFORM THE STRUCTURAL ENGINEER PRIOR TO CONSTRUCTION TO REDESIGN THE FOOTING.

2. FOUNDATION SHALL REST ON NATURAL SOIL. UNLESS OTHERWISE NOTED BY THE ENGINEER, NO PART OF THE FOUNDATION SHALL REST ON FILL.

3. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AFTER FOOTING EXCAVATION HAVE BEEN COMPLETED & PRIOR TO CONCRETING TO CONFIRM THE DESIGN SOIL BEARING CAPACITY.

4. FOOTING CONCRETE SHALL HAVE A 28-DAY COMPRESSIVE STRENGTH AT LEAST $f_c = 3500 \text{ psi}$ or 24 Mpa .

5. FOOTING REINFORCEMENT SHALL BE GRADE 60 or $f_y = 60 \text{ 000 psi} / 414 \text{ MPa}$.

6. ANY CHANGES IN THE FOUNDATION DEPTH SHALL BE REPORTED TO THE DESIGNER PRIOR TO CONSTRUCTION.

7. FOUNDATION CONCRETE SHALL BE POURED OVER A BASE COURSE CONSISTING OF 50mm CRUSHED AND COMPACTED GRAVEL BED AND 75mm LEAN CONCRETE.



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGION VII
SOUTHERN LEYTE 2ND DISTRICT
ENGINEERING OFFICE
30000 SOUTHERN LEYTE

PROJECT NAME AND LOCATION
CONVERGENCE AND SPECIAL SUPPORT PROGRAM - BASIC INFRASTRUCTURE PROGRAM (BIP) - MULTIPURPOSE BUILDINGS FACILITIES TO SUPPORT SOCIAL SERVICES - CONSTRUCTION (COMPLETION) OF MULTIPURPOSE BUILDING
BANGKAY BANGKAY B. HIRABANGAY, SOUTHERN LEYTE

SHEET CONTENTS

DRAFTED

ALF. LINDO
DATE FEB 25 2025

REVIEWED

DATE FEB 27 2025

SUBMITTED

DATE FEB 27 2025

RECOMMENDED

DATE MAR 07 2025

APPROVED

DATE MAR 07 2025

SHEET NO.

20

SHEET NO.

34

E. NOTES ON COLUMNS

1. COLUMN CONCRETE SHALL HAVE A 28-DAY COMPRESSIVE STRENGTH ATLEAST $f'_c = 35000 \text{ psi} / 24 \text{ Mpa}$.
2. COLUMN REINFORCEMENT SHALL BE GRADE 60 or $f_y = 60\,000 \text{ psi} / 414 \text{ Mpa}$ for Mainbar and Grade 40 $f_y = 40\,000 \text{ psi} / 275 \text{ Mpa}$ for Secondary Bars (Ties and Stirrups).
3. COLUMN REINFORCEMENT SHALL BE SPLICED ONLY WITHIN THE MIDDLE THIRDS OF THE CLEAR HEIGHT OR OUTSIDE THE DISTANCE OF 500mm FROM FLOOR OR BEAM SOFFIT.
4. ALL COLUMN REINFORCEMENT SPLICING SHALL BE STAGGERED AT A DISTANCE OF 600mm.
5. COLD JOINTS SHALL BE ALLOWED ONLY OUTSIDE A DISTANCE OF 700mm FROM FLOOR OR BEAM SOFFIT.
6. PROVIDE ADEQUATE CONTROL JOINTS FOR ALL CONCRETE COLD JOINTS.
7. WHERE COLUMNS CHANGE IN SIZE, VERTICAL REINF. SHALL BE OFFSET AT A SLOPE OF NOT MORE THAN 1 IN 6 AND EXTRA 10mm TIES AT 100mm SHALL BE PROVIDED THRU OFFSET REGION.
8. UNLESS OTHERWISE INDICATED IN THE PLANS, LAP SPLICES FOR VERTICAL COLUMN REINFORCEMENT SHALL BE MADE WITHIN THE CENTER HALF OF COLUMN HEIGHT, AND THE SPLICE LENGTH SHALL NOT BE LESS THAN 40 times BAR DIAMETERS. WELDING OR APPROVED MECHANICAL DEVICES MAY BE USED PROVIDED THAT MORE THAN ALTERNATE BARS ARE WELDED OR MECHANICALLY SPLICED AT ANY LEVEL AND THE VERTICAL DISTANCES BETWEEN THESE WELDS OR SPLICES OF ADJACENT BARS IS NOT LESS THAN 600mm.

F. NOTES ON BEAMS

1. BEAMS CONCRETE SHALL HAVE A 28-DAY COMPRESSIVE STRENGTH ATLEAST $f'_c = 3500 \text{ psi} / 24 \text{ Mpa}$.
2. BEAMS REINFORCEMENT SHALL BE GRADE 60 or $f_y = 60\,000 \text{ psi} / 414 \text{ Mpa}$ for Mainbar and Grade 40 or $f_y = 40\,000 \text{ psi} / 275 \text{ Mpa}$ (Ties and Stirrups).
3. BEAM REINFORCEMENT SHALL BE SPLICED ONLY IN THE FOLLOWING LOCATIONS:
 - a. TOP BARS: WITHIN MIDDLE THIRDS OF THE CLEAR SPAN.
 - b. BOTTOM BARS: OUTSIDE A DISTANCE TWICE THE BEAM DEPTH FROM THE FACE OF THE COLUMN.
4. BEAM CONCRETE SHALL BE POURED MONOLITHICALLY WITH THE SLAB, NO COLD JOINTS ALLOWED.
5. NO ELECTRICAL/PLUMBING PIPES AND CONDUITS SHALL BE MADE TO PASS THROUGH ANY STRUCTURAL MEMBER. PROVIDE PIPE RACKS ATTACHED TO THE UNDERSIDE OF THE SLAB.
6. SPECIAL STIRRUPS SHALL BE PROVIDED WITHIN LAP SPLICES (Same spacing at Confinement Zone)

G. NOTES ON SLABS

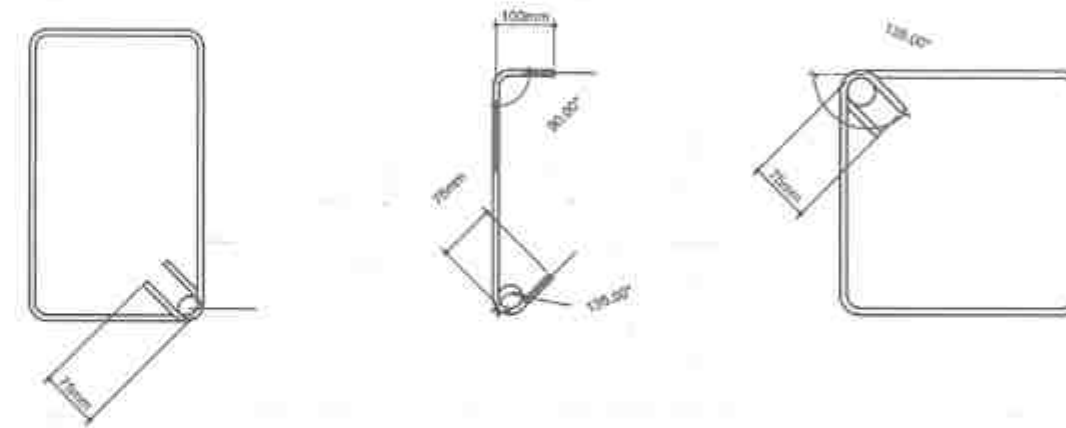
1. SLAB CONCRETE SHALL HAVE A 28-DAY COMPRESSIVE STRENGTH ATLEAST $f'_c = 3500 \text{ psi} / 24 \text{ Mpa}$.
2. SLAB REINFORCEMENT SHALL BE GRADE 40 or $f_y = 40\,000 \text{ psi} / 275 \text{ Mpa}$.
3. SLAB CONCRETE SHALL BE POURED MONOLITHICALLY WITH THE SUPPORTING BEAMS, NO COLD JOINTS ALLOWED.
4. NO ELECTRICAL/PLUMBING PIPES AND CONDUITS SHALL BE MADE TO PASS THROUGH ANY STRUCTURAL MEMBER. PROVIDE PIPE RACKS ATTACHED TO THE UNDERSIDE OF THE SLAB.

H. STRUCTURAL JOINTS

1. USE EPOXY BASED CEMENTITIOUS GROUT IN LIEU OF CONVENTIONAL CONCRETE FOR CONCRETE TO STEEL BEAM CONNECTION JOINTS WITHIN ZONES SPECIFIED IN THE PLAN.
2. ALL STRUCTURAL REINFORCEMENTS SHALL NOT BE FIELD BENT UNLESS OTHERWISE PERMITTED BY THE STRUCTURAL ENGINEER.

MINIMUM INSIDE BEND DIAMETER AND STANDARD HOOK LENGTH FOR STIRRUPS, TIES AND HOOPS

BAR DIAMETER	MINIMUM INSIDE BEND DIAMETER	HOOK LENGTH
10MM	40MM	100MM
12MM	48MM	105MM



MINIMUM INSIDE BEND DIAMETER, STANDARD HOOK AND SPLICE LENGTH FOR DEFORMED BARS

BAR DIAMETER	MINIMUM INSIDE BEND DIAMETER	HOOK LENGTH	SPLICE LENGTH
10mm	60mm	160mm	300mm
12mm	72mm	192mm	400mm
16mm	96mm	256mm	700mm
20mm	120mm	320mm	900mm



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGION VIII
SOUTHERN LEYTE 2ND DISTRICT
ENGINEERING OFFICE
3000L SOUTHERN LEYTE

PROJECT NAME AND LOCATION
CONVERGENCE AND SPECIAL SUPPORT PROGRAM - BANG
INFRASTRUCTURE PROGRAM (BIP) - MULTI-PURPOSE BUILDINGS
PROJECTS TO SUPPORT BUCAL SERVICES -
CONSTRUCTION COMPLETION OF MULTI-PURPOSE BUILDING
BANGSAY BANGSAY & HANAYASAY, SOUTHERN LEYTE

SHEET CONTENTS

DRAFTED

ALPHABETICALLY

DATE

FEB 25 2025

PREPARED

JUNIBEN C. VILLANO

DATE

FEB 25 2025

REVIEWED

JOSE A. BALAZAR

DATE

FEB 25 2025

APPROVED

BARBER LOUIS BUIE

DATE

FEB 27 2025

RECOMMENDED

EVIS H. YAP

DATE

MAR 07 2025

APPROVED

EDUARDO V. SANTOS

DATE

MAR 07 2025

SET NO.

3

2

34

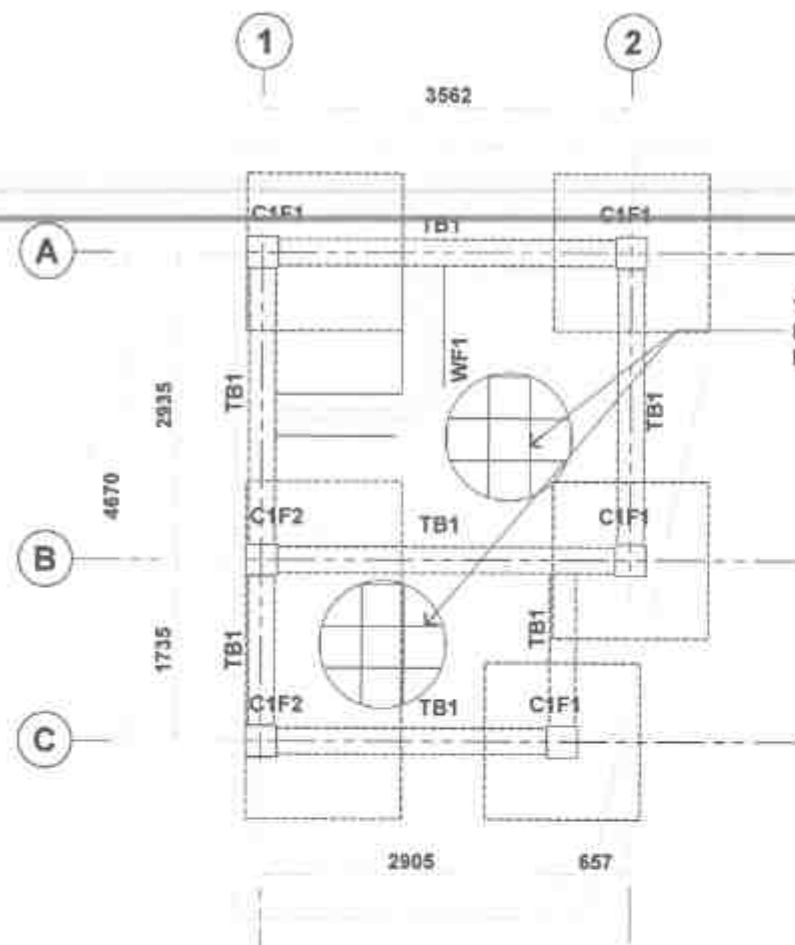
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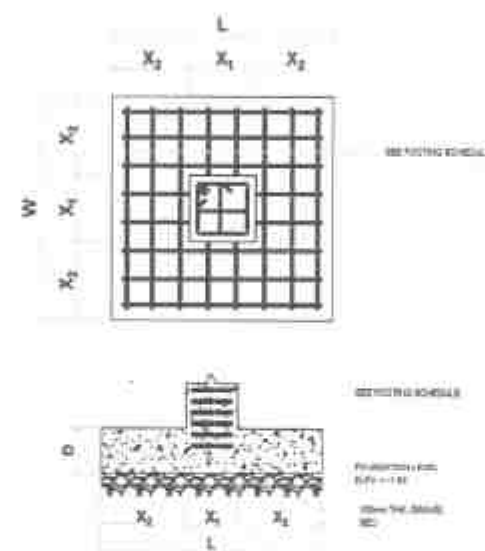
34

DATE

MAR 07 2025



100mm THK USE 10mm Ø RSB TEMP.
BARS SPACED @ 0.40m ON CENTER
BOTHWAYS.



FOUNDATION PLAN
SCALE: 1:100

SCHEDULE OF TIE BEAMS

MARK	DIMENSION (mm)		BAR Ø (mm).	STEEL REINFORCEMENTS						WEB/ TORSION BARS (12mmØ)	STIRRUPS
	B	D		LEFT SUPPORT		MID SPAN		RIGHT SUPPORT			
				TOP	BOTTOM	TOP	BOTTOM	TOP	BOTTOM		
TB-1	250	300	16	$+ \frac{2}{2}$		2		$+ \frac{2}{2}$		.	A
					2		2		2		

SCHEDULE OF FOOTING

FOOTING NO.	FOOTING SIZE (LENGTH x WIDTH) (L x W)	THICK (D)	ALONG LENGTH	ALONG WIDTH	DEPTH OF EXCAVATION	REMARKS
F1	1.50 x 1.50	0.30	10-16mmØ	10-16mmØ	1.50 m	SQUARE FOOTING
F2	1.50 x 3.235	0.30	8-16mmØ	21-16mmØ	1.50 m	SQUARE FOOTING



TB-1 @ SUPPORT



TB-1 @ MIDSPAN

SCHEDULE OF COLUMN

TIE BEAM TO SECOND FLOOR BEAM

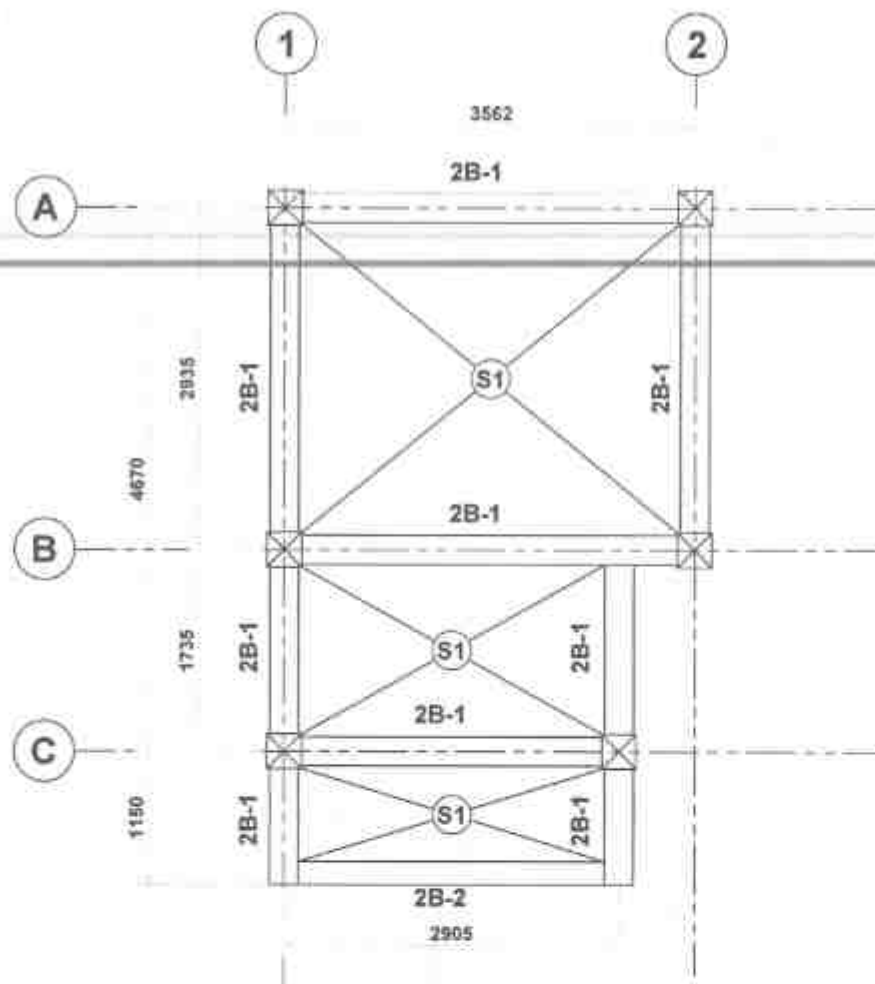
#16	300
VERTICAL REBARS	8-16mmØ
REBAR TIES	10mmØ
JOINT TIES	4 @ 100mm O.C.
CONFINED TIES	6 - @ 75mm O.C.
UNCONFINED TIES	REST @ 150mm O.C.

FOUNDATION TO TIE BEAM

#16	300
VERTICAL REBARS	8-16mmØ
REBAR TIES	10mmØ
JOINT TIES	4 @ 100mm O.C.
CONFINED TIES	6 - @ 75mm O.C.
UNCONFINED TIES	REST @ 150mm O.C.

LOCATION
NAME

C1

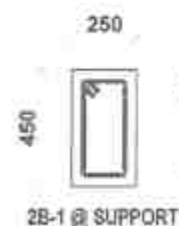
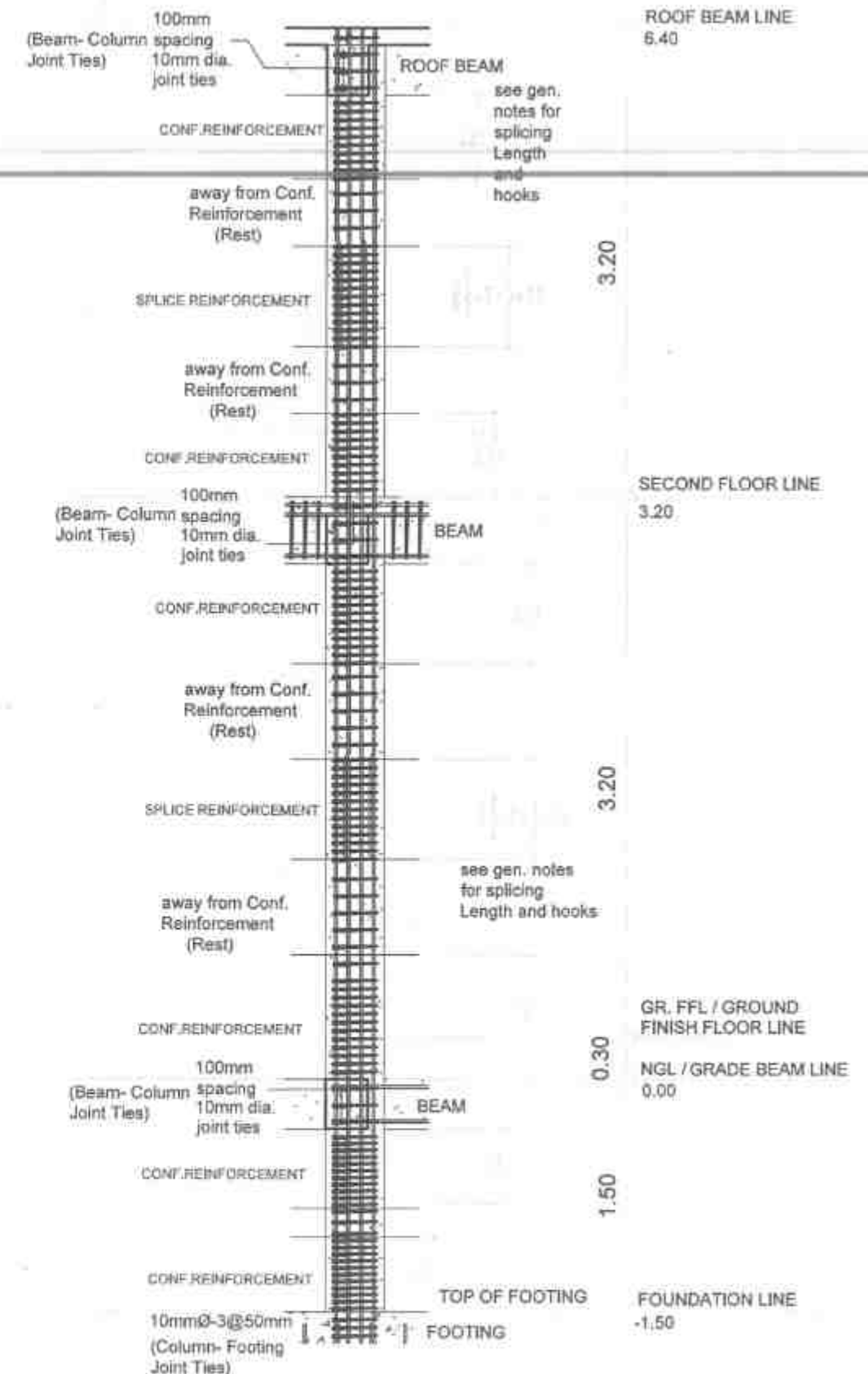


01
S1 SCALE SECOND FLOOR BEAM FRAMING PLAN

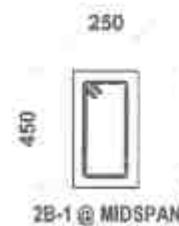
SCHEDULE OF SECOND FLOOR BEAMS

MARK	DIMENSION (mm)		BAR Ø (mm)	STEEL REINFORCEMENTS						WEB/ TORSION BARS (12mmØ)	STIRRUPS
	B	D		LEFT SUPPORT		MID SPAN		RIGHT SUPPORT			
				TOP	BOTTOM	TOP	BOTTOM	TOP	BOTTOM		
2B-1	250	400	16	3		3		3		-	A
					2		3		3		
2B-2	200	300	16	3		2		3		-	A
					2		3		2		

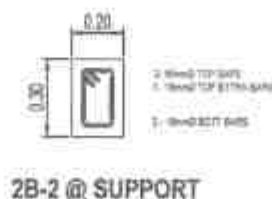
A = 10mmØ STIRRUPS: 2L - 1 @ 50, 12 @ 75, REST @ 150 TO C.L. (2-LEGS)



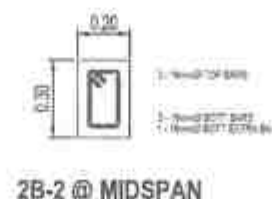
2B-1 @ SUPPORT



2B-1 @ MIDSPAN



2B-2 @ SUPPORT



2B-2 @ MIDSPAN

NOTE: Verify Spacing of ties along Confinement Length on COLUMN SCHEDULE



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGIONAL OFFICE
SOUTHERN LEYTE 2ND DISTRICT
ENGINEERING OFFICE
REGIONAL SOUTHERN LEYTE

PROJECT NAME AND LOCATION:
CONVERGENCE AND SPECIAL SUPPORT PROGRAM - BASIC
INFRASTRUCTURE PROGRAM (BIP) - MULTI-PURPOSE BUILDINGS
FACILITIES TO SUPPORT SOCIAL SERVICES -
CONSTRUCTION COMPLETION OF MULTI-PURPOSE BUILDINGS
BARANGAY SANDOGAS & PANGASINAN, SOUTHERN LEYTE

SHEET CONTENTS
SECOND FLOOR BEAM FRAMING PLAN
SCHEDULE OF FLOOR BEAMS
TYPICAL COLUMN ELEVATION

DRAFTED: ALFONSO C. VILLALBA
DATE: FEB 25 2025
CHECKED: JUAN C. VILLALBA
DATE: FEB 25 2025

DESIGNED: JOSE M. VILLALBA
DATE: FEB 27 2025
CHECKED: JOSE M. VILLALBA
DATE: FEB 27 2025

SUBMITTED: RAFAEL C. VILLALBA
DATE: FEB 27 2025
CHECKED: RAFAEL C. VILLALBA
DATE: FEB 27 2025

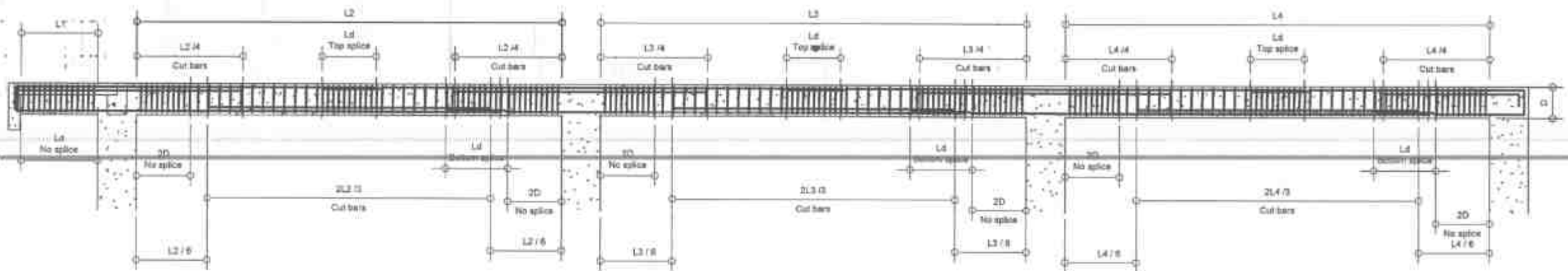
RECOMMENDED: EVAN YAP
DATE: MAR 07 2025
CHECKED: EVAN YAP
DATE: MAR 07 2025

APPROVED: EDUARDO V. SANTOS
DATE: MAR 07 2025
CHECKED: EDUARDO V. SANTOS
DATE: MAR 07 2025

SHEET NO. 22
SHEET NO. 24

LEGEND:

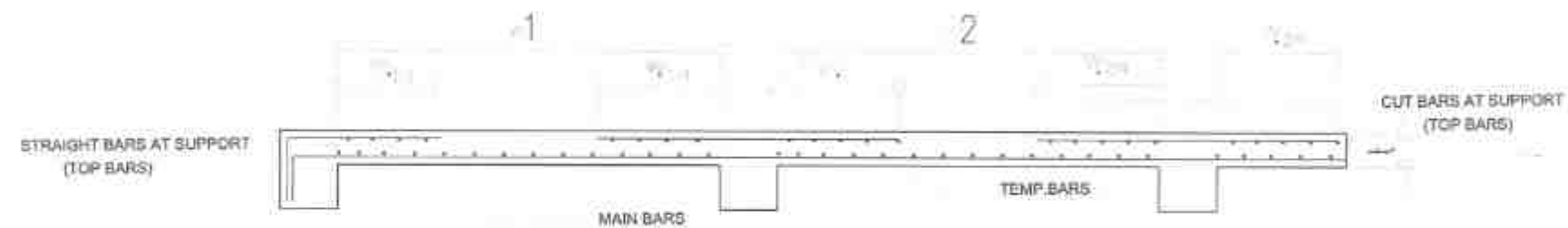
D = Beam Depth
 2D = 2 x Beam Depth
 2D distance from the Face of Column
 (Confinement Zone at Supports)
 SEE STIRRUP SPACING AT SCHEDULE OF BEAMS.



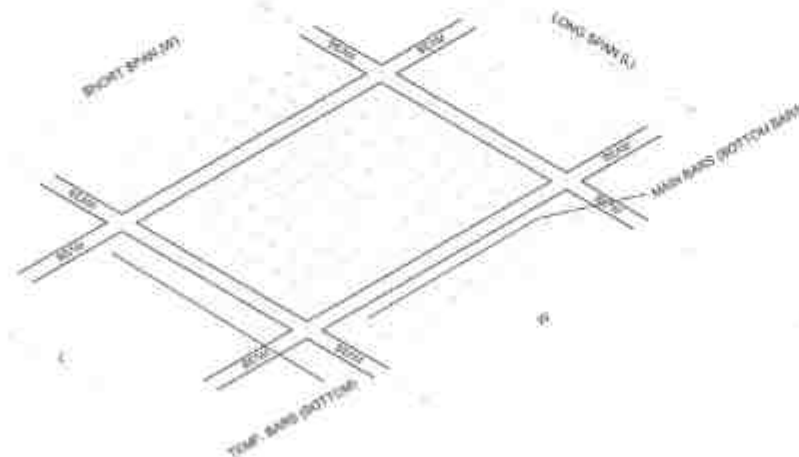
TYPICAL DUCTILE BEAM DETAIL

SCHEDULE OF SLAB REINFORCEMENT

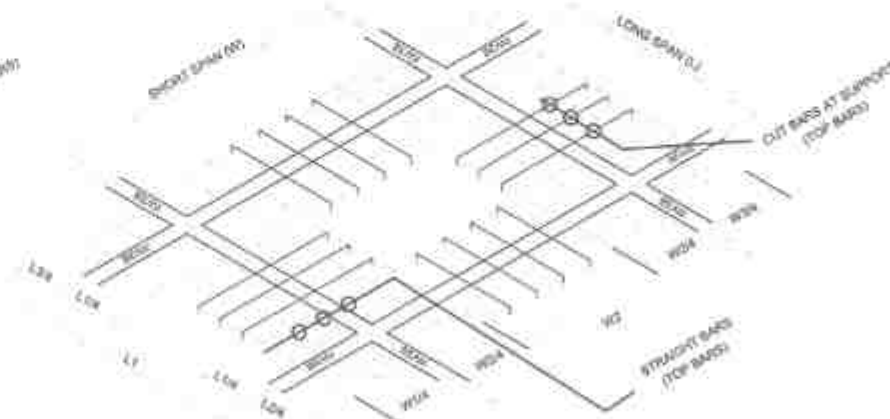
SLAB NO.	THICK (mm)	ALONG SHORT SPAN		ALONG LONG SPAN		REMARKS
		TOP BARS	BOT. BARS	TOP BARS	BOT. BARS	
S1	100	10mmØ @ 200mm O.C.	10mmØ @ 200mm O.C.	10mmØ @ 200mm O.C.	10mmØ @ 200mm O.C.	TWO-WAY



SLAB REINFORCEMENT SECTION



TWO WAY SLAB BOTTOM BARS LAY-OUT PLAN



TWO WAY SLAB TOP BARS LAY-OUT PLAN

TWO-WAY SLAB DETAIL



REPUBLIC OF THE PHILIPPINES
 DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
 REGION VII
 SOUTHERN LEYTE 2ND DISTRICT
 ENGINEERING OFFICE
 BOWEN SOUTHERN LEYTE

PROJECT NAME AND LOCATION
 CONVERGENCE AND SPECIAL SUPPORT PROGRAM - BASIC INFRASTRUCTURE PROGRAM (BIP) - MULTIPURPOSE BUILDING FACILITIES TO SUPPORT SOCIAL SERVICES - CONSTRUCTION COMPLETION OF MULTI-PURPOSE BUILDING - BANGALAY BARBAS & VERINAPANG SOUTHERN LEYTE

SHEET CONTENTS
 SECOND FLOOR BEAM FRAMING PLAN
 SCHEDULE OF SLAB REINFORCEMENT
 COLUMN REINFORCEMENT DETAILS

DRAFTED: ALEXANDER LOPEZ
 DATE: FEB 25 2025
 PREPARED: ALEXANDER LOPEZ
 DATE: FEB 25 2025

REVIEWED: [Signature]
 DATE: FEB 27 2025

SUBMITTED: [Signature]
 DATE: FEB 27 2025

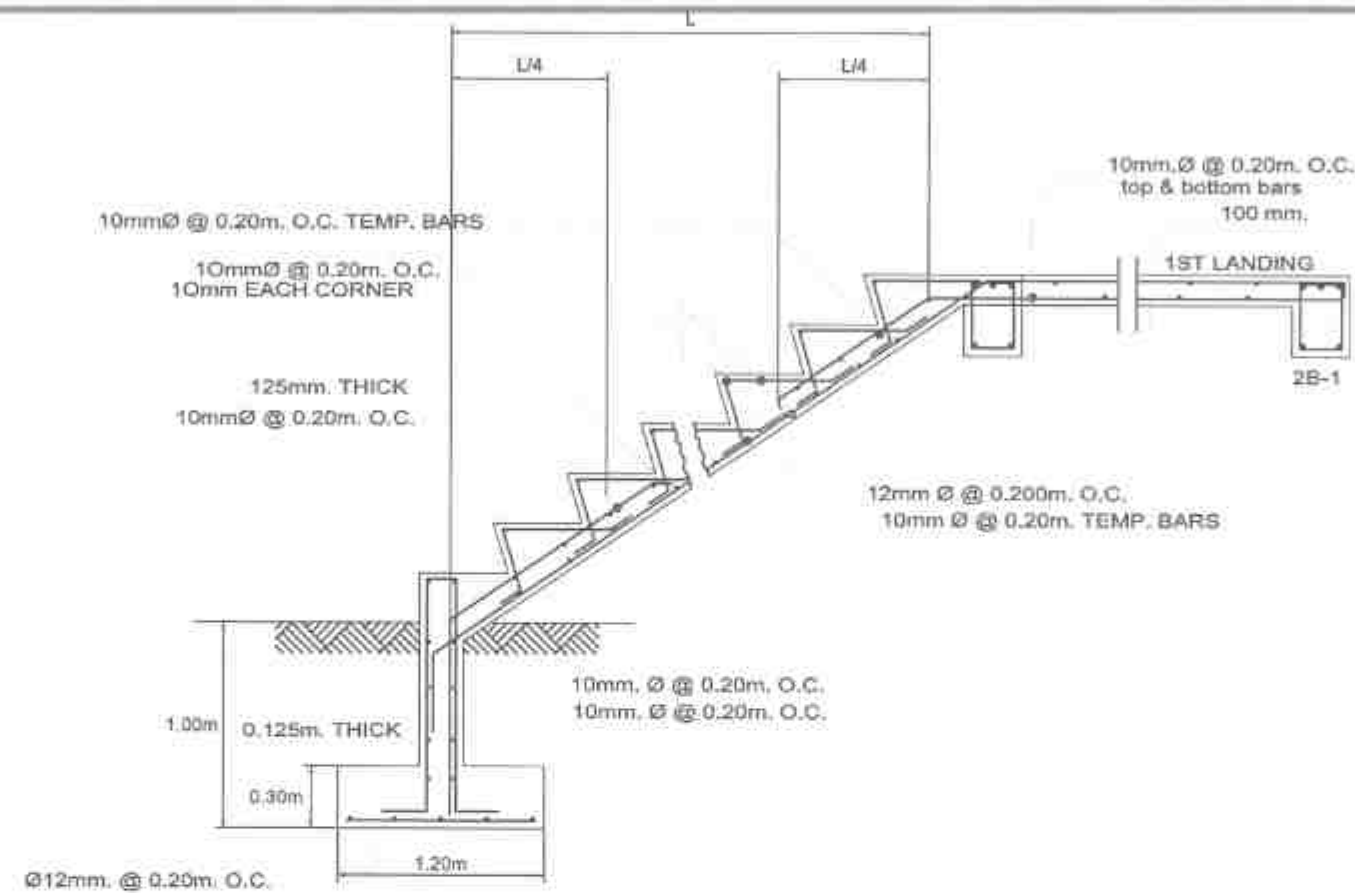
RECOMMENDED: [Signature]
 DATE: MAR 07 2025

APPROVED: [Signature]
 DATE: MAR 07 2025

SHEET NO. 5
 SHEET NO. 24

RB-1 @ MIDSPAN





01 STAIR DETAILS
SS SCALE 1:10mm



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGION VI
SOUTHERN LEYTE 2nd DISTRICT
ENGINEERING OFFICE
30360 SOUTHERN LEYTE

PROJECT NAME AND LOCATION
CONVERGENCE AND SPECIAL SUPPORT PROGRAM - BASIC
INFRASTRUCTURE PROGRAM (BSP) - MULTIPURPOSE BUILDING/
FACILITIES TO SUPPORT SOCIAL SERVICES -
CONSTRUCTION (COMPLETION) OF MULTI-PURPOSE BUILDING
BARANGAY SANGKALAN 2 - HUMANISANG SOUTHERN LEYTE

STAIR DETAILS

DRAFTED
ALEXANDRO DELA CRUZ
DATE
FEB 25 2025
PREPARED
JANORIE C. VILLENIO
DATE
FEB 25 2025

REVIEWED
JOSUE A. BALANCAN
ENGINEER I
DATE
FEB 27 2025

SUBMITTED
RAINIER LOU C. BUZ
CHIEF PLANNING & DESIGN SECTION
DATE
FEB 27 2025

RECOMMENDED
EVALYN D. JAS
ASSISTANT DISTRICT ENGINEER
DATE
MAR 07 2025

APPROVED
EDUARDO V. SANTOS
DISTRICT ENGINEER
DATE
MAR 07 2025

SET NO. 5
SHEET NO. 27
34

GENERAL NOTES

ALL ELECTRICAL WORKS INCLUDED HEREIN SHALL BE CONFORM TO THE PROVISIONS OF THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE AND NATIONAL BUILDING CODE, THE RULES AND REGULATIONS OF THE LOCAL AUTHORITY CONCERNED AND REQUIREMENTS OF THE UTILITY COMPANY.

1. THE ELECTRICAL WIRING INSTALLATION SHALL BE DONE IN INTERMEDIATE METALLIC CONDUIT (IMC) CONDUITS INSTALLED BELOW GRADE / SLABS AND WITHIN SLABS SHALL BE RIGID STEEL OR PVC SCHEDULE 40. FLEXIBLE CONDUITS SHALL BE USED WHERE REQUIRED. MINIMUM SIZE OF CONDUITS SHALL BE 15mm INTERNAL DIAMETER.

2. MINIMUM SIZE OF BRANCH CIRCUIT WIRE SHALL BE 1.50mm² THHN WIRE. ALL WIRING SHALL BE INSULATED FOR 600 VOLTS AND SHALL BE COLOR CODED.

3. UTILITY VOLTAGE TO THE UNIT SHALL BE SINGLE PHASE, 2-WIRE, 220V, 60HZ.

4. WHENEVER NECESSARY PULL BOX OF THE PROPER SIZE AND DIMENSIONS SHALL BE PROVIDED ALTHOUGH NOT INDICATED IN THE PLANS.

5. ALL PANEL BOARDS SHALL BE PROVIDED WITH GROUNDING STRIP. GROUNDING SYSTEM SHALL BE CONNECTED TO A GROUNDING ROD AND/OR TO THE NEAREST COLD WATER PIPE.

6. ALL PANEL BOARDS SHALL BE PROVIDED WITH IDENTIFICATIONS AND LOAD DIRECTORY.

7. REGULATED POWER OUTLETS AND DEVICES SHALL BE PROPERLY LABELED.

8. MOUNTING HEIGHT NOT SHOWN ON PLANS SHALL BE AS FOLLOWS:

#	SWITCHES	1.40mts. ABOVE F.F.L. @ CENTER
1	CONVENIENCE OUTLETS	0.20mts. ABOVE F.F.L. @ CENTER
2	TELEPHONE/INTERCOM OUTLET	0.20mts. ABOVE F.F.L. @ CENTER
3	PANEL BOARD	1.40mts. ABOVE F.F.L. @ CENTER

UNLESS OTHERWISE INDICATED BY THE FIELD CONDITION.

9. ALL MATERIALS TO BE USED SHALL BE NEW AND APPROVED TYPE FOR THE LOCATION AND PURPOSE FOR WHICH THEY ARE TO BE INSTALLED.

10. THE CONTRACTOR SHALL VERIFY AND ORIENT THE ACTUAL LOCATION THE SERVICE ENTRANCE FOR CONNECTION TO THE POWER SUPPLY AND ALSO THE ACTUAL LOCATION OF TELEPHONE SYSTEM ENTRANCE FOR CONNECTION TO THE LOCAL TELEPHONE CABLE FACILITIES.

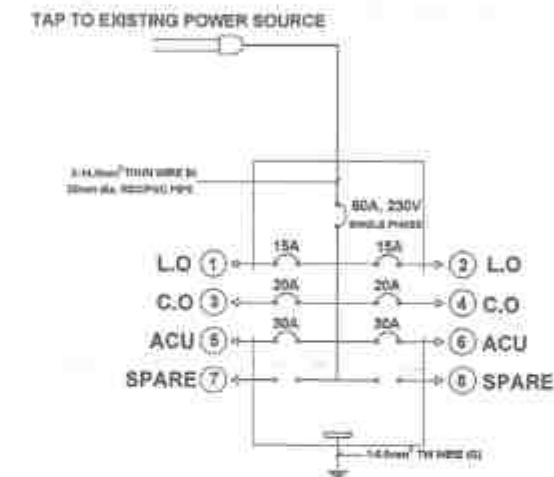
11. ALL ELECTRICAL WORKS HEREIN SHALL BE DONE UNDER THE DIRECT SUPERVISION OF A DULY QUALIFIED LICENSED ELECTRICAL ENGINEER.

12. ALL MOUNTING HEIGHTS ARE SUBJECT TO THE APPROVAL OF THE DESIGNER.

LEGEND

	8\"/>
	CONVENIENCE OUTLET
	ACU OUTLET
	SINGLE GANG SWITCH
	TWO GANG SWITCH
	PANEL BOARD
	CIRCUIT HOMERUN
	CIRCUIT LINE

RISER DIAGRAM



SCHEDULE OF LOADS

SCHEDULE OF LOAD: PANEL BOARD (LIGHTING AND POWER PANEL)							
CKT NO.	DESCRIPTION	QTY	VOLT	WATTS	I in AMPERES	PROTECTION PER CIRCUIT	SIZE OF WIRE AND CONDUIT
1	LIGHTING OUTLET	4	220	400	1.82	15 A	2-2.0mm ² THHN WIRE + 1-2.0mm ² TW WIRE (G) IN 15mm Ø PVC Pipe
2	LIGHTING OUTLET	4	220	400	1.82	15 A	2-2.0mm ² THHN WIRE + 1-2.0mm ² TW WIRE (G) IN 20mm Ø PVC Pipe
3	POWER OUTLET	3	220	1,080	4.90	20 A	2-3.5mm ² THHN WIRE + 1-2.0mm ² TW WIRE (G) IN 20mm Ø PVC Pipe
4	POWER OUTLET	3	220	1,080	4.90	20 A	2-3.5mm ² THHN WIRE + 1-2.0mm ² TW WIRE (G) IN 20mm Ø PVC Pipe
							2-5.5mm ² THHN WIRE + 1-3.5mm ² TW WIRE (G) IN 20mm Ø PVC Pipe
							2-5.5mm ² THHN WIRE + 1-3.5mm ² TW WIRE (G) IN 20mm Ø PVC Pipe
7	SPARE	"	"	"	"	"	"
8	SPARE	"	"	"	"	"	"
TOTAL:					29.71	60 A	2-14.0mm ² THHN WIRE + 1-5.5mm ² TW WIRE (G) IN 25mm Ø PVC Pipe
@100% DEMAND FACTOR							
IT = (29.71)(80%)					WIRE: 2-14.0mm ² THHN WIRE + 1-5.5mm ² TW WIRE (G) IN 25mm Ø PVC Pipe		
IT = 23.768					BREAKER: 60 AT, 220V, 2P		

PROFESSIONAL ELECTRICAL ENGINEER
LICENSE NO. _____
PTR NO. _____
DATE ISSUED NO. _____
PLACE ISSUED _____
TIN _____



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGION VIII
SOUTHERN LEYTE 2ND DISTRICT
ENGINEERING OFFICE
30000 SOUTHERN LEYTE

PROJECT NAME AND LOCATION
CONVERGENCE AND SPECIAL SUPPORT PROGRAM - BASIC
INFRASTRUCTURE PROGRAM (BSP) - MULTIPURPOSE BUILDINGS
FACILITIES TO SUPPORT LOCAL SERVICES -
CONSTRUCTION & COMPLETION OF MULTIPURPOSE BUILDING
BARANGAY BANGGANG B. HINUNANGAN, SOUTHERN LEYTE

SHEET CONTENTS
ELECTRICAL NOTES
SINGLE DIAGRAM
SCHEDULE OF LOADS

DATE PREPARED
DATE CHECKED
DATE REVIEWED
DATE APPROVED

REVIEWED
DATE REVIEWED
DATE APPROVED

REVIEWED
DATE REVIEWED
DATE APPROVED

REVIEWED
DATE REVIEWED
DATE APPROVED

REVIEWED
DATE REVIEWED
DATE APPROVED

REVIEWED
DATE REVIEWED
DATE APPROVED

FEB 23 2025

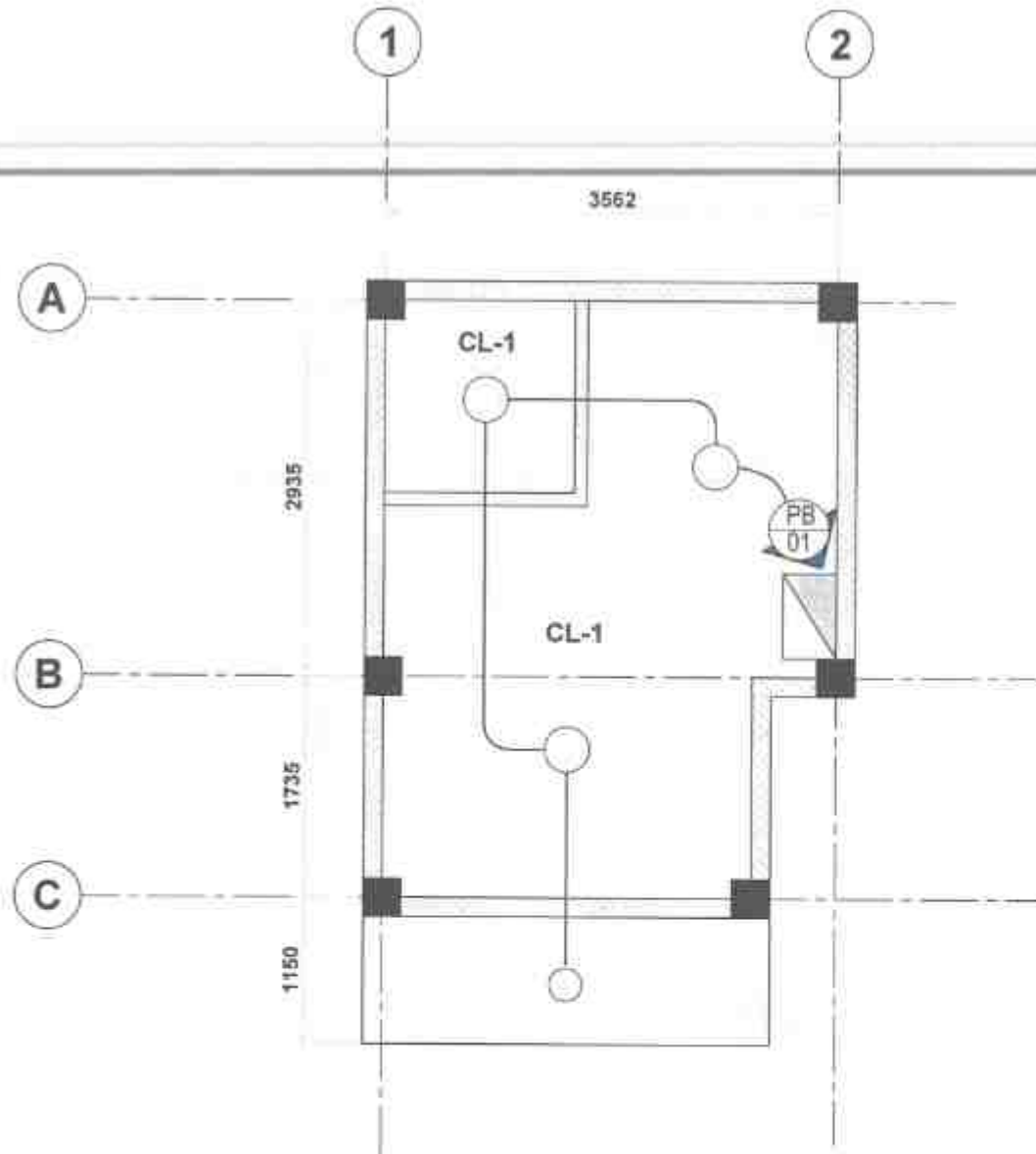
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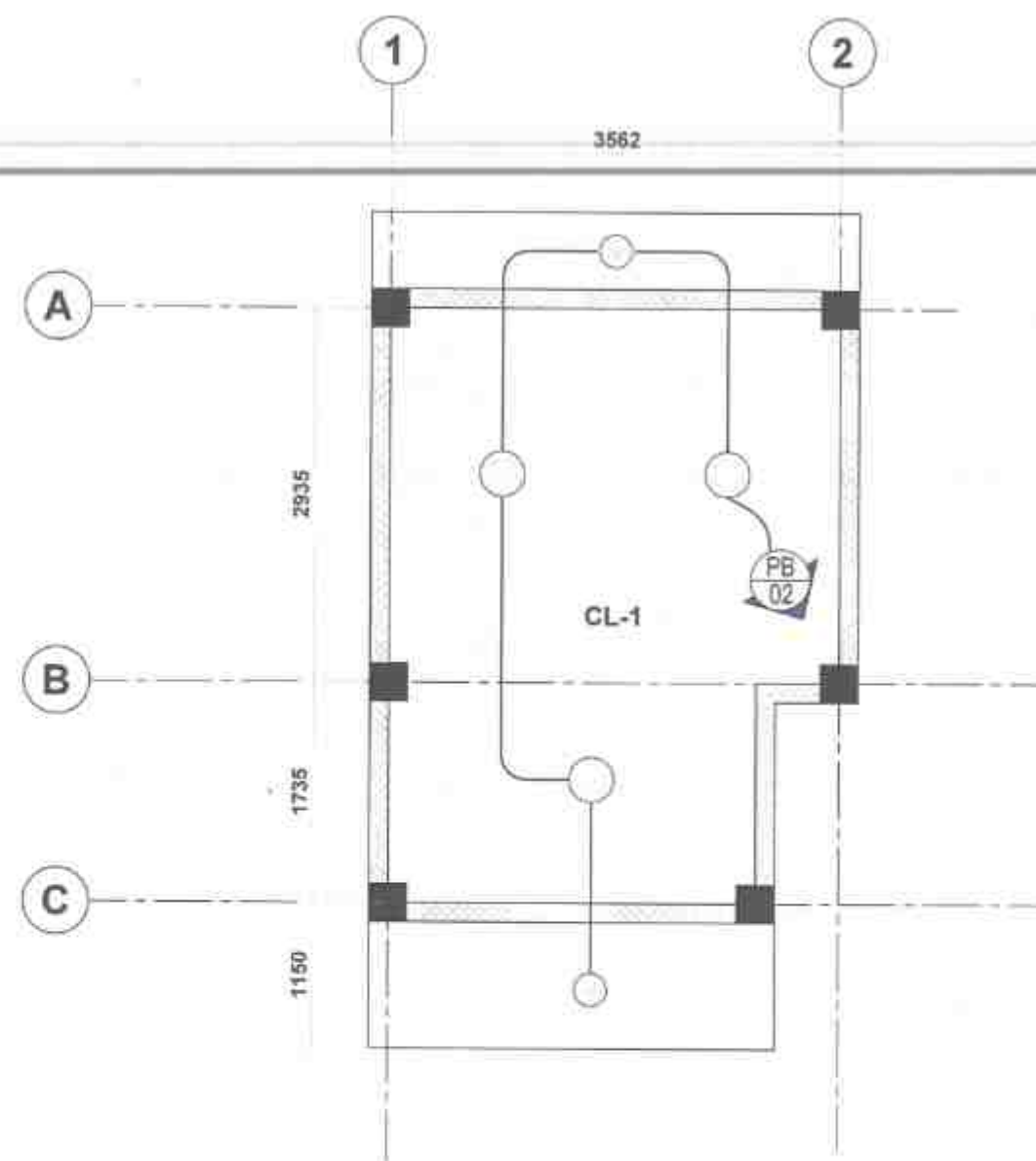
MAR 07 2025

MAR 07 2025

SET NO. 1
SHEET NO. 34



01
E2 SCALE
GROUND FLOOR LIGHTING LAYOUT
1:4000



02
E2 SCALE
SECOND FLOOR LIGHTING LAYOUT
1:4000

PROFESSIONAL ELECTRICAL ENGINEER
 LICENSE NO.:
 PTR NO.:
 DATE ISSUED NO.:
 PLACE ISSUED:
 T.A.N.



REPUBLIC OF THE PHILIPPINES
 DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
 REGION VII
 SOUTHERN LEYTE 2ND DISTRICT
 ENGINEERING OFFICE
 SOGO, SOUTHERN LEYTE

PROJECT NAME AND LOCATION
 CONVERGENCE AND SPECIAL SUPPORT PROGRAM - BARRIERS
 INFRASTRUCTURE PROGRAM (BIP) - MULTIPURPOSE BUILDING
 FACILITIES TO SUPPORT SOCIAL SERVICES -
 CONSTRUCTION COMPLETION OF MULTIPURPOSE BUILDING
 BRANDAY BRIGGAS & BRANDAY, SOUTHERN LEYTE

SHEET CONTENTS
 GROUND FLOOR LIGHTING LAYOUT
 SECOND FLOOR LIGHTING LAYOUT

DESIGNED BY
 KEITH ANDRÉS B. BARRI
 DATE
 FEB 28 2025
 CHECKED BY
 EDUARDO V. RAMOS
 DATE
 FEB 28 2025

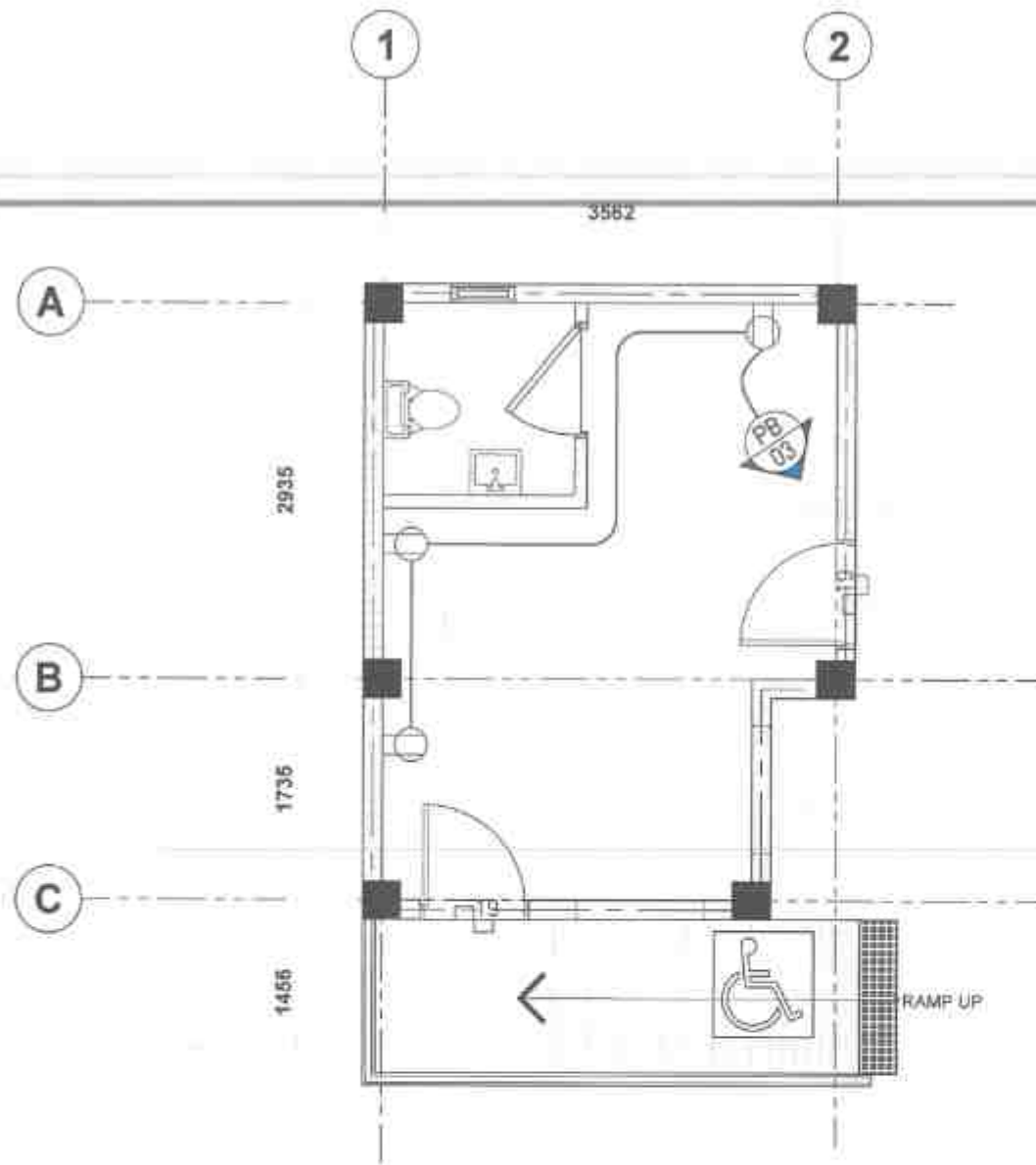
REVIEWED BY
 [Signature]
 DATE
 FEB 27 2025

SUBMITTED BY
 FORNER LOY S. SUIC
 CHIEF PLANNING & DESIGN SECTION
 DATE
 FEB 27 2025

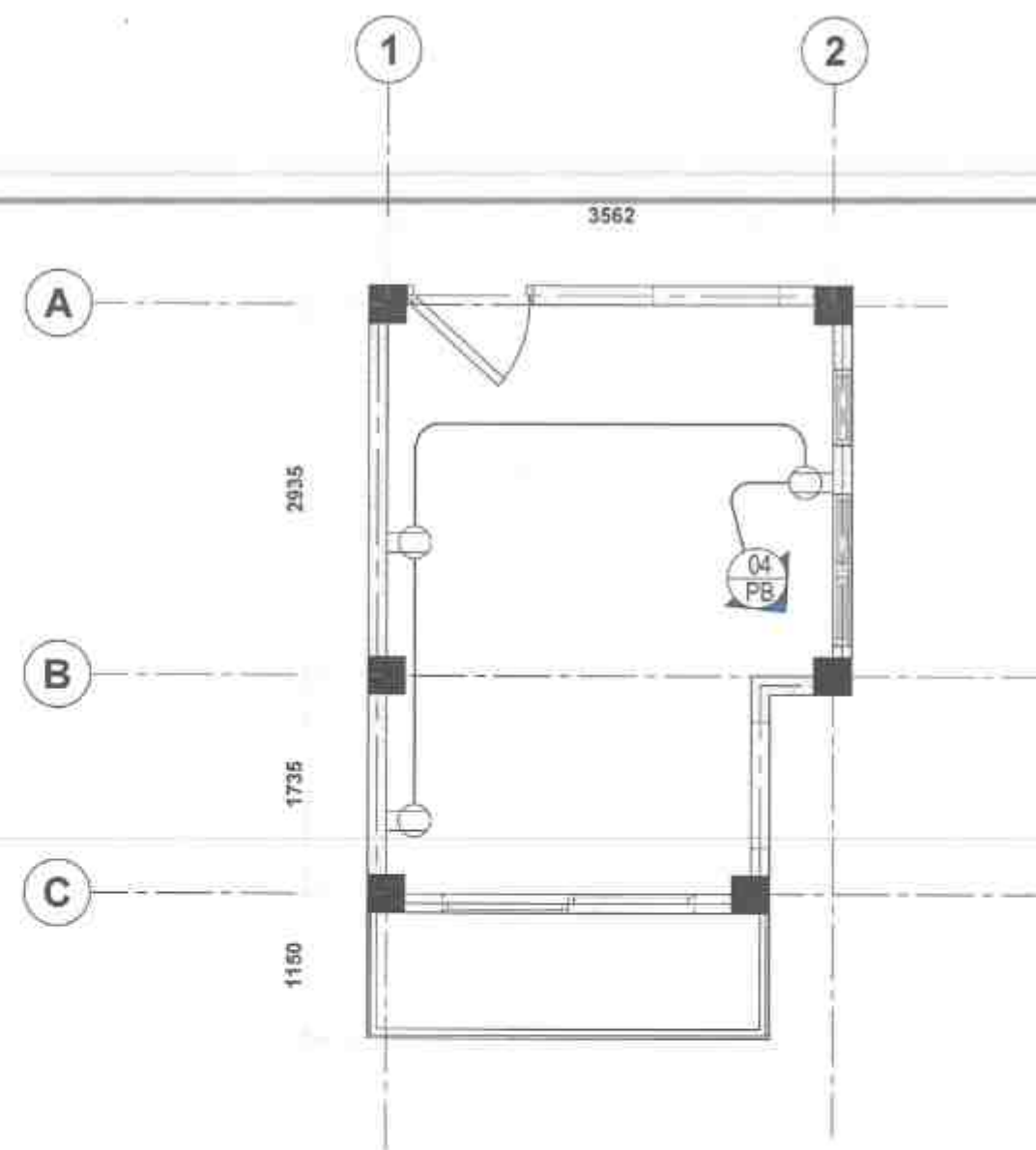
RECOMMENDED BY
 EVELYN D. [Signature]
 ASSISTANT ENGINEER
 DATE
 MAR 07 2025

APPROVED BY
 EDUARDO V. RAMOS
 DISTRICT ENGINEER
 DATE
 MAR 07 2025

SET NO.	SHEET NO.
E	20
1	34



01
E3
SCALE
SECOND FLOOR POWER LAYOUT
1:4000



02
E3
SCALE
SECOND FLOOR POWER LAYOUT
1:4000

PROFESSIONAL ELECTRICAL ENGINEER
LICENSE NO.:
PTR NO.:
DATE ISSUED NO.:
PLACE ISSUED:
T.N.



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGION IV
SOUTHERN LEYTE 2ND DISTRICT
ENGINEERING OFFICE
30000, SOUTHERN LEYTE

PROJECT NAME AND LOCATION:
CONVERGENCE AND SPECIAL SUPPORT PROGRAM - BASIC
INFRASTRUCTURE PROGRAM (BIP) - MULTI-PURPOSE BUILDING
CONSTRUCTION (COMPLETION OF MULTI-PURPOSE BUILDING
BARANGAY BAROCAS & HILANGANG, SOUTHERN LEYTE

SHEET CONTENTS
GROUND FLOOR POWER LAYOUT
SECOND FLOOR POWER LAYOUT

DESIGNED BY
KEITH J. JAVILLA
DATE
FEB 25 2025

CHECKED BY
JAMES B. DEL ROSARIO
DATE
FEB 27 2025

SUBMITTED BY
RAINIER LOU C. RUIZ
DATE
FEB 24 2025

RECOMMENDED BY
EVELYN D. RAP
DATE
MAR 07 2025

APPROVED BY
EDUARDO V. SANTOS
DATE
MAR 07 2025

SET NO.
E
SHEET NO.
30
34

GENERAL PLUMBING NOTES:

1. ALL PLUMBING WORKS HEREIN SHALL BE EXECUTED ACCORDING TO THE REQUIREMENTS OF PHILIPPINE NATIONAL PLUMBING CODE AND THE RULE AND REGULATIONS OF THE EXISTING LOCAL CODES AND ORDINANCES. NOTHING CONTAINED ON THE DRAWING SHALL BE CONSTRUED AS TO CONFLICT WITH THE NATIONAL AND LOCAL ORDINANCES OR LAWS GOVERNING THE IMPLEMENTATION OF THE PLUMBING WORKS.
2. REFER TO ALL ELECTRICAL, STRUCTURAL, ARCHITECTURAL PLANS AND SPECIFICATIONS AND INVESTIGATE ALL POSSIBLE INTERFERENCE AND CONDITIONS AFFECTING THE PLUMBING WORKS.
3. IT IS NOT INTENDED THAT THE DRAWING SHALL SHOW EVERY PIPE FITTING, VALVE AND APPLIANCE. FURNISH AND INSTALL, IF NECESSARY, ALL SUCH ITEMS UNLESS SPECIALLY NOTED OTHERWISE, OR NOT, OR INDICATED ON DRAWING, TO COMPLETE THE SYSTEM IN ACCORDANCE WITH THE BEST PRACTICE OF THE PLUMBING TRADE AND TO THE SATISFACTION OF THE ARCHITECT.
4. PERFORM ALL LABOR IN A FIRST-CLASS, NEAT, WORKMANLIKE MANNER BY SPECIALIST SKILLED IN THEIR TRADES, AND SUCH SPECIALIST AND THEIR WORK SHALL BE SATISFACTORY TO THE ARCHITECT.
5. WHERE BRANCH SERVES MORE THAN ONE FIXTURES, INCREASE THE SIZE OF THE BRANCH PROPORTIONALLY.

BASIC MATERIALS:

1. PROVIDE MATERIALS THAT ARE NEW AND THAT CONFORM WITH THE STANDARD OF UNDERWRITERS LABORATORIES, INC.
2. FOR OTHER MISCELLANEOUS REQUIRED MATERIALS NOT SPECIFICALLY MENTIONED, PROVIDE THE BEST OF THE RESPECTIVE KIND.
3. SUBMIT SAMPLES OF MATERIALS FOR APPROVAL AS REQUIRED BY THE ARCHITECT.
4. CONFORM ALL APPLICABLE PIPES AND MATERIALS FOR VARIOUS SERVICES TO STANDARDS TABULATED BELOW.

PLUMBING FIXTURES:

1. INSTALL ALL PLUMBING FIXTURES FREE AND OPEN IN A MANNER TO ACCESS FOR CLEANING. FURNISH WITH BRACKETS, CLEATS, PLATES, AND ANCHORS REQUIRED FINISH COATS OR COVERING.
2. KEEP AWAY, AT A SUFFICIENT DISTANCE BUT NOT LESS 1/2 INCH (12.5mm), ALL SERVICE PIPE, VALVES AND FITTINGS FROM SURFACES AND LOCATIONS WHICH MAY REQUIRED FINISH COATS OR COVERING.
3. EXTEND THE PIPING TO ALL FIXTURES, OUTLETS, AND EQUIPMENTS FROM REQUIRED GATE VALVES INSTALLED IN EACH BRANCH NEAR RISERS.

SHUT OFFS:

1. PROVIDE THE ENTIRE SYSTEM WITH VALVE SO LOCATED THAT THE SYSTEM OR PROPORTION OF IT CAN BE OPERATED, REPLACED, AND REPAIRED, AS WELL AS AFFORDING COMPLETE CONTROL OF WATER SUPPLY TO EACH GROUP OF FIXTURES. WHEN REQUIRED, PROVIDE ALSO PRESSURE REDUCING VALVE.

SOIL WASTE DRAIN AND VENT PIPINGS:

1. INSTALL ALL PIPING WORKS IN CONFORMITY WITH ALL PROVISIONS OF THE LATEST EDITION OF THE PHILIPPINE NATIONAL PLUMBING CODE AND APPLICABLE REQUIREMENTS OF THE EXISTING LOCAL CODES.
2. EXCAVATE TO REQUIRED DEPTHS AND GRADES. ALL EXCAVATIONS REQUIRED FOR THE INSTALLATIONS OF PLUMBING AND DRAINAGE SYSTEMS WHEN ROCK IS ENCOUNTERED, EXTEND EXCAVATION TO A DEPTH 150mm. BELOW THE PIPE BOTTOM AND BEFORE THE PIPE IS LAID, FILL THE SPACE BETWEEN THE BOTTOM OF THE PIPE AND ROCK SURFACE WITH SAND AND APPROVED MATERIAL.
3. LAY WATER SUPPLY PIPES AND SEWERS IN SEPARATE TRENCHES.

JOINTS AND FITTINGS:

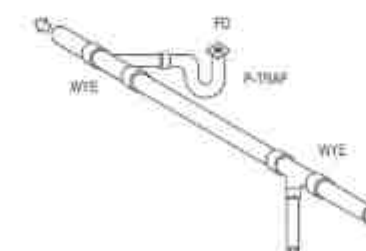
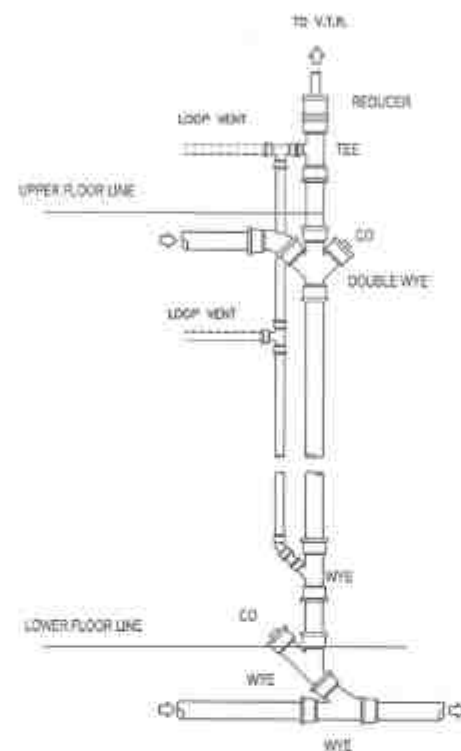
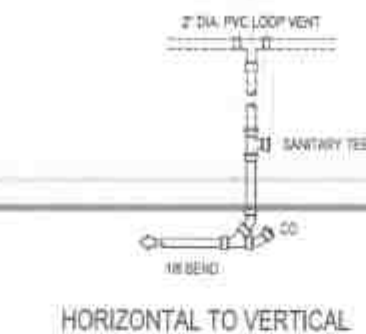
1. MAKE ALL JOINTS AIR AND WATER TIGHT. FOR JOINING PIPES, USE THE FOLLOWING:
 - A. POLYVINYL CHLORIDE PIPES : RUB TYPE JOINTS WITH PVC CEMENT
 - B. GALVANIZED IRON AND COPPER PIPES: CAREFULLY REAMED THREADED JOINTS. APPLY TEFLON TAPE OR PAINT WITH RED LEAD AT ALL JOINT LENGTHS.
 - C. CEMENT PIPES : GROUT WITH CEMENT MIX ALL AROUND THE JOINT IN A CONSISTENT MANNER. DO NOT ALLOW GROUT TO BULGE INSIDE PIPE INTERIORS. USE APPROPRIATE COUPLERS AND SLICE AT JOINTS.

CLEAN OUTS:

1. FOR CLEAN OUT STEMMING FORM CAST IRON BELL AND SPIGOT PIPES OR PVC SUBSTITUTES THEREOF, PROVIDE WITH LONG SWEEP QUARTER BENDS OR ONE OR TWO EIGHT BENDS, EXTENDED TO AN EASILY ACCESSIBLE PLACE, AND GENERALLY WHERE INDICATED IN THE DRAWINGS.
2. SET EACH TRAP AS CLOSE AS POSSIBLE TO THE FIXTURE SERVED AND RENDER LEVEL WITH RESPECT TO THEIR WATER SEAL.

TRAPS:

1. PIPE SHALL BE INSTALLED AS INDICATED, ANY RELOCATION REQUIRED FOR PROPER EXECUTION OF OTHER TRADES SHALL BE PRIOR APPROVAL OF ARCHITECT AND ENGINEERS.
2. PROPOSED SANITARY UTILITIES SHALL CONFORM TO THE ACTUAL LOCATION, DEPTH, AND ELEVATION.
3. ALL FIXTURES SHALL BE VENTED, UNLESS OTHERWISE INDICATED.
4. AIR CHAMBER: ALL INDIVIDUAL BRANCHES TO FIXTURES OR GROUP OF FIXTURES AND/OR EQUIPMENT SHALL BE PROVIDED WITH CHAMBER OF CAPPED VERTICAL PIPE EXTENSION OF DIMENSIONS AS IN DETAIL.



HORIZONTAL TO HORIZONTAL

JOINT DETAILS

EXPANSION SHIELD WITH BOLT

CONCRETE WALL COLUMN

FLAT BAR

VERTICAL PIPE

COUNTER SUNK FLOOR CLEAN OUT "UNILEX" MODEL U-309

FIN. FLOOR LEVEL

SLAB SOFFIT

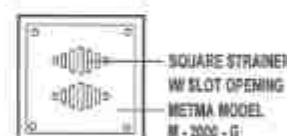
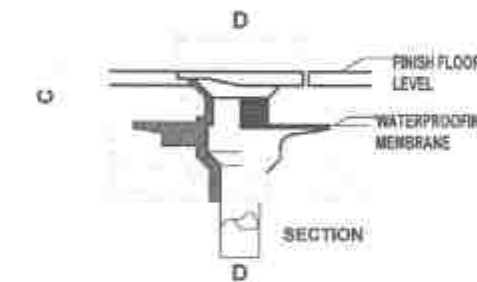
LATERAL BRANCH SOIL PIPE (SP)

SECTION

COUNTER SUNK FLOOR CLEAN OUT "UNILEX" MODEL U-309

SOIL PIPE (SP)

PLAN



PLAN

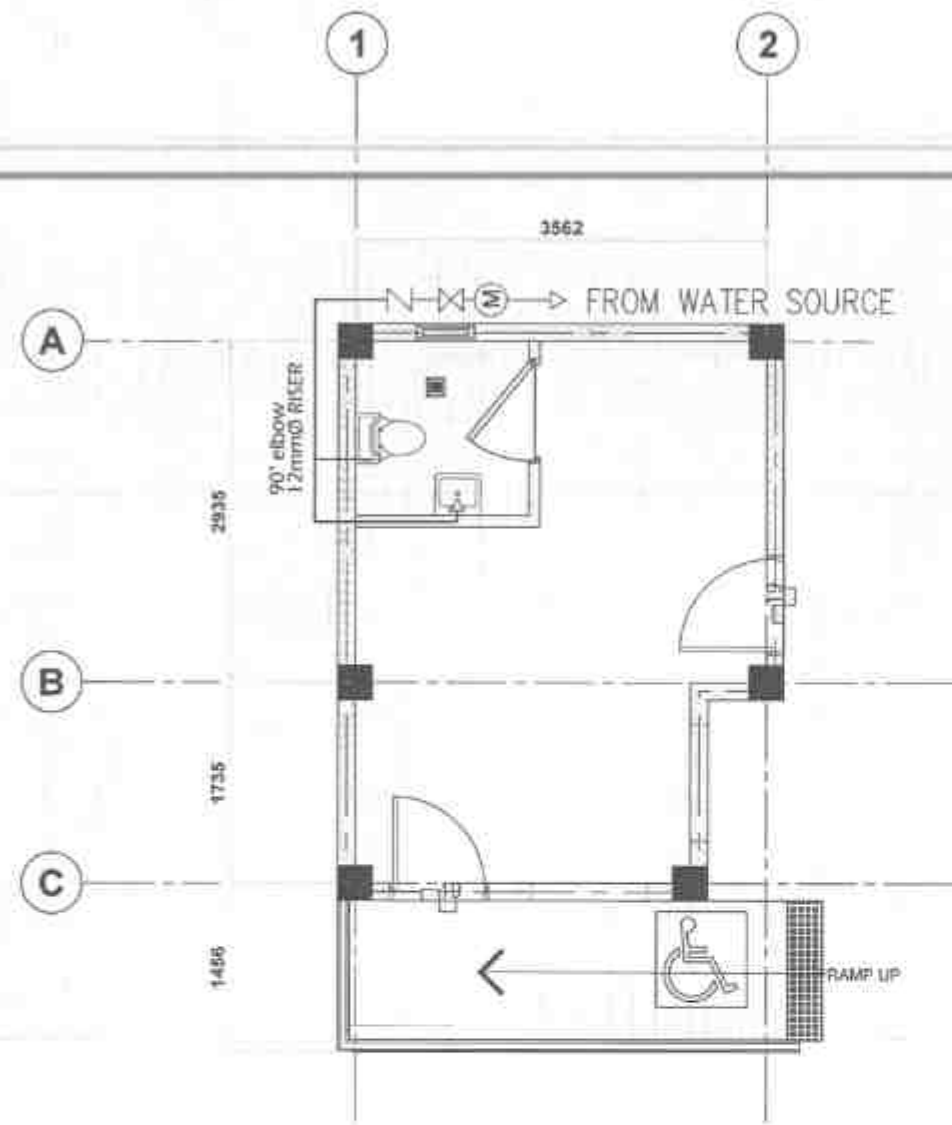
TABLE OF DIMENSIONS

PIPE SIZE	DIMENSION IN MM	
	C	D
50	38.1	101.6
75	38.1	127.0
100	40.0	152.4
150	50.8	177.8

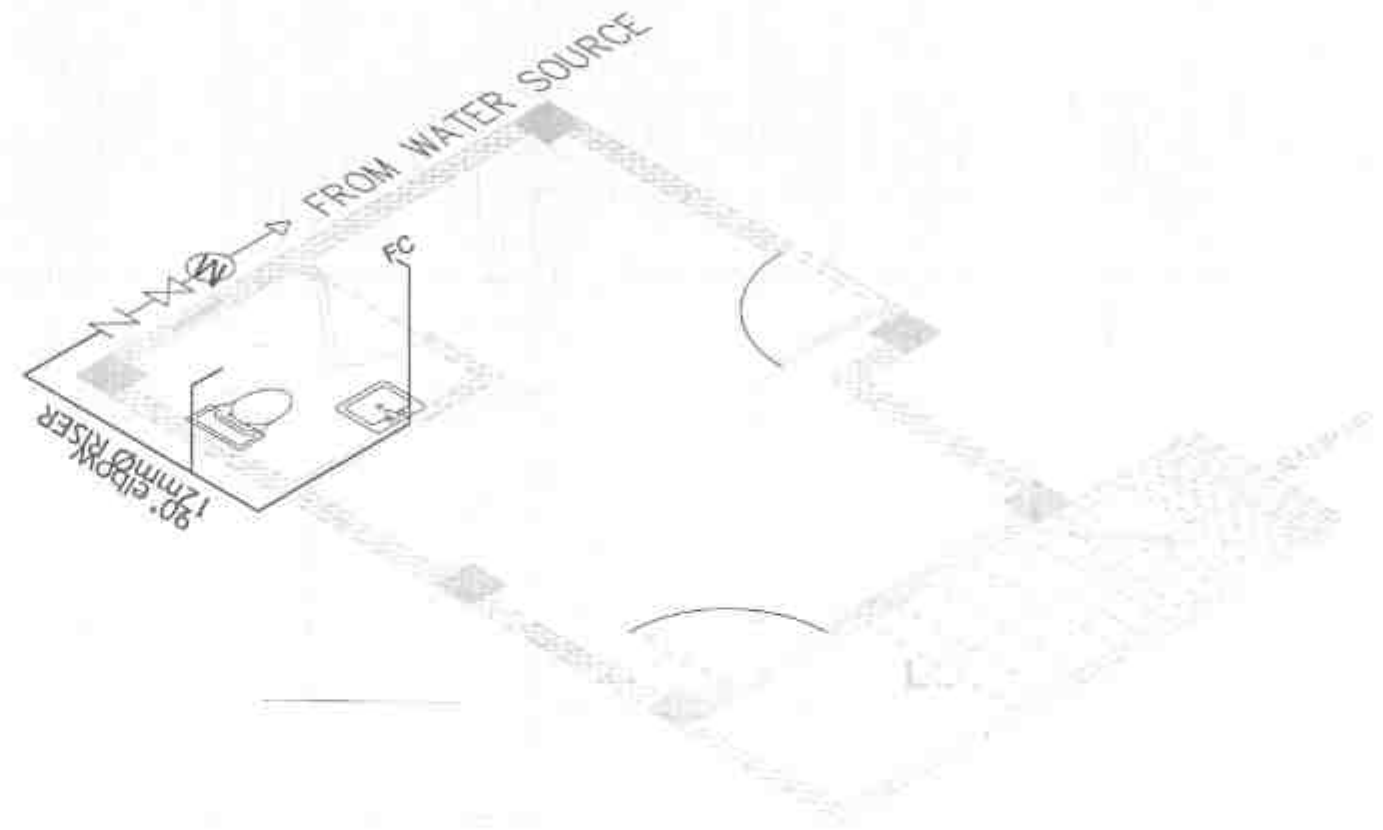
CLEAN-OUT DETAILS

MASTER PLUMBER
 LICENSE NO. _____
 PTR NO. _____
 DATE ISSUED NO. _____
 PLACE DESIGNED T.I.N. _____

REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGION VII SOUTHERN LEYTE 2ND DISTRICT ENGINEERING OFFICE SOCCO, SOUTHERN LEYTE	PROJECT NAME AND LOCATION CONTEMPORARY AND SPECIAL SUPPORT PROGRAM - BASIC INFRASTRUCTURE PROGRAM (SPP) - MULTI-PURPOSE BUILDING FACILITIES TO SUPPORT SOCIAL SERVICES - CONSTRUCTION COMPLETION OF MULTI-PURPOSE BUILDING SARINAY SANDOZ & HINGARANAN, SOUTHERN LEYTE	BEST CONTENTS PLUMBING NOTES	DRAFTED: <i>[Signature]</i> DATE: FEB 25 2025	REVIEWED: <i>[Signature]</i> DATE: FEB 27 2025	SUBMITTED: <i>[Signature]</i> DATE: FEB 27 2025	RECOMMENDED: <i>[Signature]</i> DATE: MAR 07 2025	APPROVED: <i>[Signature]</i> DATE: MAR 07 2025	SET NO. 14	SHEET NO. 30
			DATE: FEB 25 2025	DATE: FEB 27 2025	DATE: FEB 27 2025	DATE: MAR 07 2025	DATE: MAR 07 2025		



01
P2 SCALE
GROUND FLOOR SANITARY LAYOUT
1:500



02
P2 SCALE
ISOMETRIC SANITARY LAYOUT
1:500

MARTER PLUMBER
LICENSE NO. _____
PTR NO. _____
DATE ISSUED NO. _____
PLACE ISSUED _____
TIN _____



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGION VII
SOUTHERN LEYTE 2ND DISTRICT
ENGINEERING OFFICE
BOOD, SOUTHERN LEYTE

PROJECT NAME AND LOCATION
CONMERGENCE AND SPECIAL SUPPORT PROGRAM - BANG
INFRASTRUCTURE PROGRAM (BIP) - MULTI-PURPOSE BUILDINGS
SACULTES TO SUPPORT RURAL SERVICES -
CONSTRUCTION COMPLETION OF MULTI-PURPOSE BUILDING
BAMANGAY SANGCAL B HIRAWANGAL SOUTHERN LEYTE

SUBJECT CONTRACTS
GROUND FLOOR SANITARY LAYOUT
ISOMETRIC SANITARY LAYOUT

DRAFTED
ALEXANDRO M. M. M.
DATE
FEB 25 2025
PREPARED
FEB 25 2025
DATE
FEB 25 2025

DESIGNED
JHON P. BALTAR
DATE
FEB 27 2025
CHECKED
FEB 27 2025

SUBMITTED
RANIER LOPEZ
DATE
FEB 27 2025
RECOMMENDED
FEB 27 2025

APPROVED
Eduardo V. Santos
DATE
MAR 07 2025

SET NO.
P
3 4
SHEET NO.
21
34

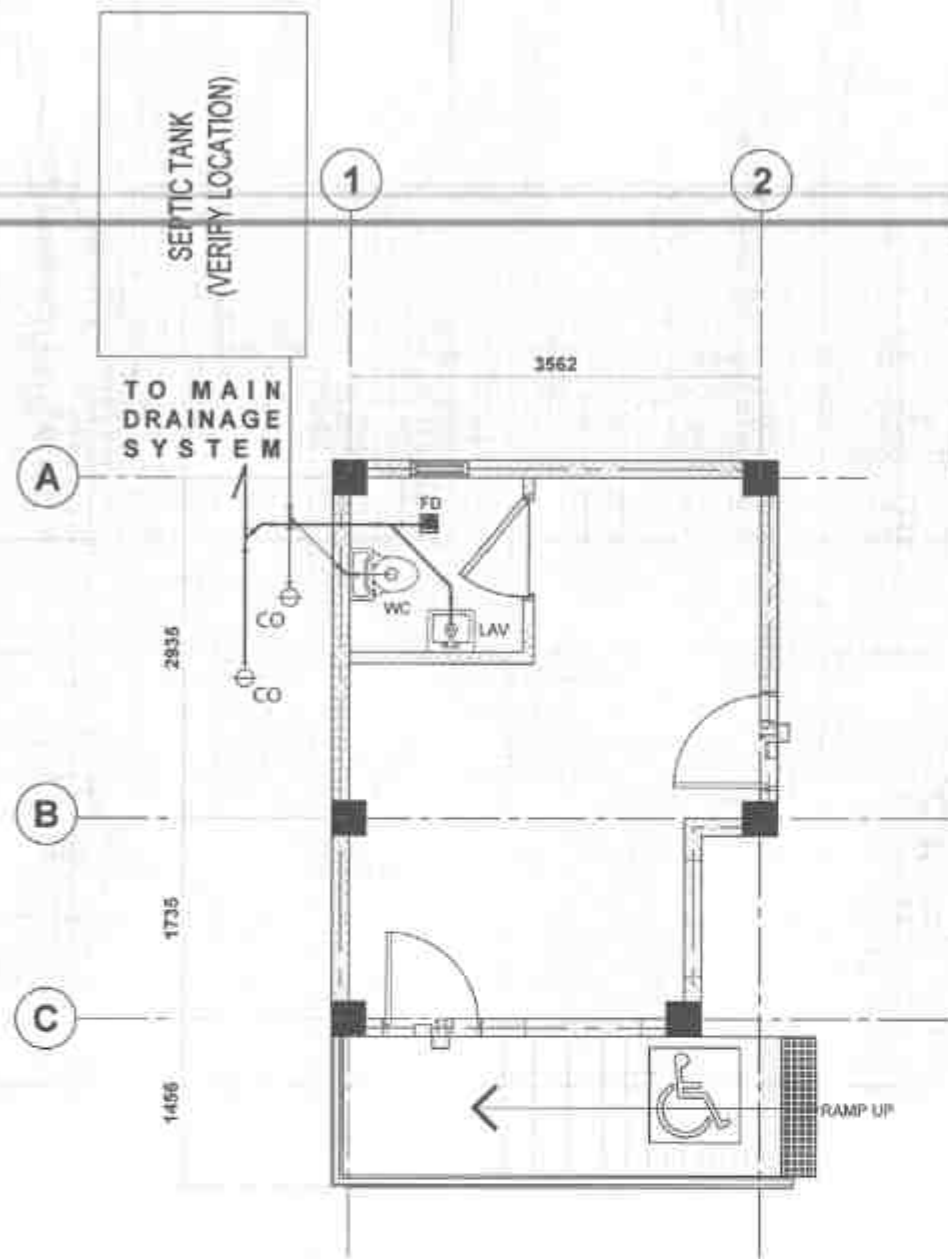
FEB 25 2025

FEB 27 2025

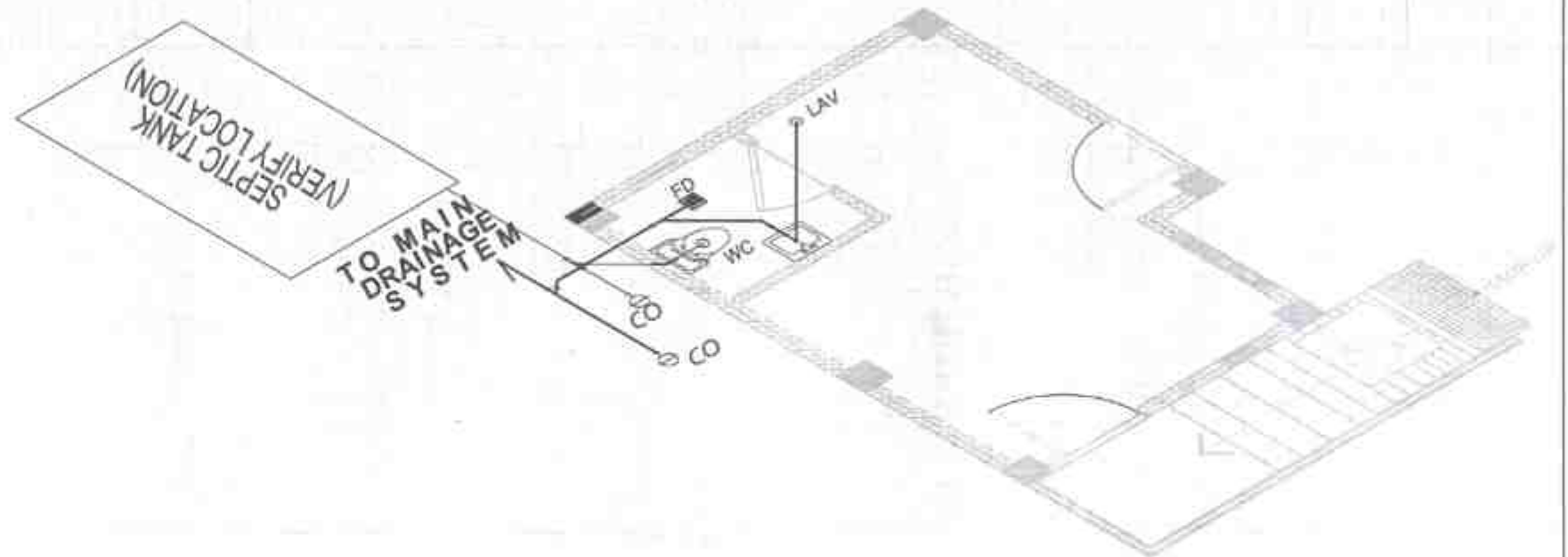
FEB 27 2025

MAR 07 2025

MAR 07 2025



01 GROUND FLOOR WATERLINE LAYOUT
P3 SCALE



02 ISOMETRIC WATERLINE LAYOUT
P3 SCALE

MASTER PLUMBER	
LICENSE NO.	
PTR NO.	
DATE ISSUED NO.	
PROJECT NUMBER	
T.A.N.	



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGION VII
SOUTHERN LEYTE 2ND DISTRICT
ENGINEERING OFFICE
PO BOX 10000, SOUTHERN LEYTE

PROJECT NAME AND LOCATION
CONFERENCE AND SPECIAL SUPPORT PROGRAM - BASIC
INFRASTRUCTURE PROGRAM (BIP) - MULTI-PURPOSE BUILDING
FACILITIES TO SUPPORT MILITARY SERVICES -
CONSTRUCTION (COMPLETION) OF MULTI-PURPOSE BUILDING
BARRILAY SANICAR & HILBANAGAN, SOUTHERN LEYTE

SHEET CONTENTS
GROUND FLOOR WATERLINE LAYOUT
ISOMETRIC WATERLINE LAYOUT

DRAFTED
ALEXANDRO C. TRINIDAD
DATE
FEB 25 2025
PREPARED
JUNIORE VILCERO
DATE
FEB 25 2025

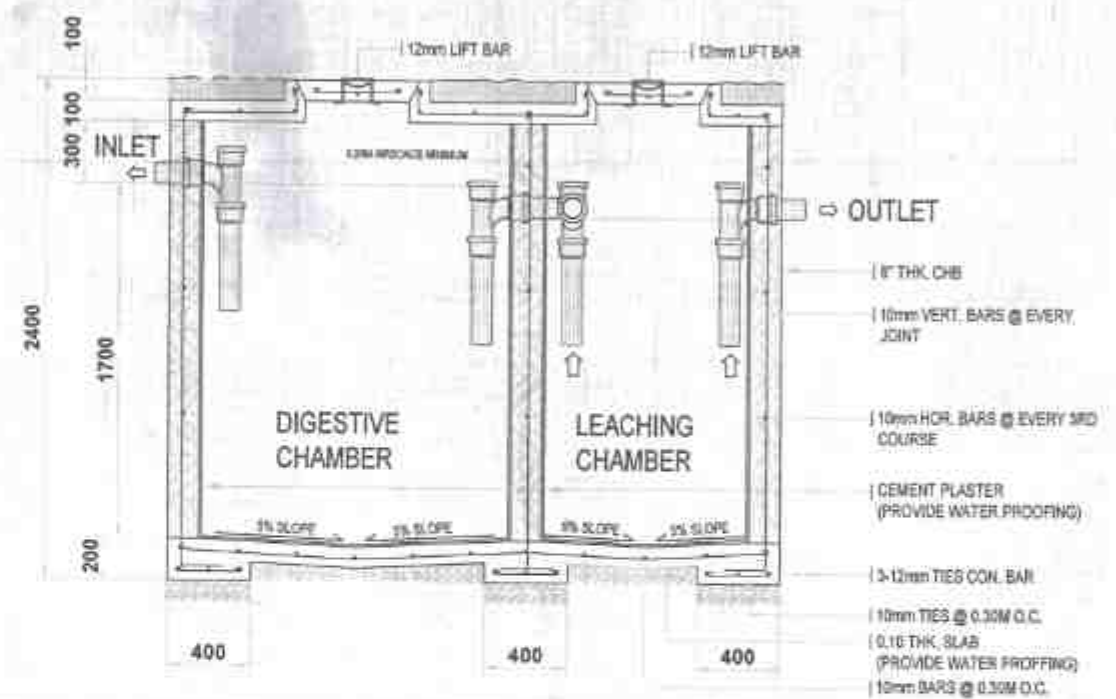
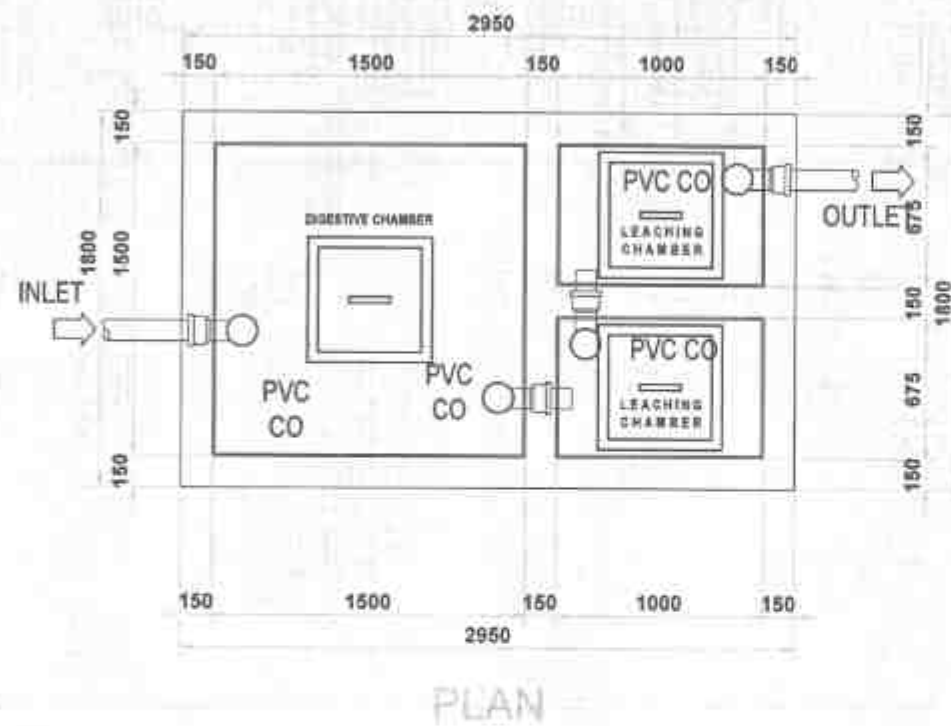
REVIEWED
DATE
FEB 27 2025
CHECKED
DATE
FEB 27 2025

VERIFIED
RAINER LOU C. RUO
DATE
FEB 27 2025
DESIGNED
DATE
FEB 27 2025

RECOMMENDED
EVELYN D. TUP
DATE
MAR 07 2025
APPROVED
DATE
MAR 07 2025

EDUARDO V. BUSTOS
DISTRICT ENGINEER
DATE
MAR 07 2025

SET NO.	SHEET NO.
P	33
3	34



02 TYPICAL SEPTIC TANK/VAULT DETAIL
P4 SCALE 1:20mm

MASTER PLUMBER
LICENSE NO. _____
PTR NO. _____
DATE ISSUED NO. _____
PLACE ISSUED - _____
T.J.N.



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGION VII
SOUTHERN LEYTE 2nd DISTRICT
ENGINEERING OFFICE
BODOS, SOUTHERN LEYTE

PROJECT NAME AND LOCATION
CONVERGENCE AND SPECIAL SUPPORT PROGRAM - BASIC
INFRASTRUCTURE PROGRAM (BSP) - MULTI-PURPOSE BUILDINGS
FACILITIES TO SUPPORT SOCIAL SERVICES -
CONSTRUCTION COMPLETION OF MULTI-PURPOSE BUILDING
BARNEY B. BANGSAS & HINAYANGAN, SOUTHERN LEYTE

SHEET CONTENTS
TYPICAL SEPTIC TANK/VAULT DETAIL

DRAWN BY
ALFONSO C. BERNALDO
DATE
FEB 25 2025
CHECKED BY
JUAN C. VILLANO
DATE
FEB 25 2025

REVIEWED BY
DATE
FEB 27 2025
APPROVED BY
DATE
FEB 27 2025

RECOMMENDED BY
DATE
FEB 27 2025

APPROVED BY
DATE
FEB 27 2025

EDUARDO V. SANTOS
DISTRICT ENGINEER

SET NO. 4
SHEET NO. 34