



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 BUILDING/
FACILITIES TO SUPPORT SOCIAL SERVICES -
CONSTRUCTION (COMPLETION) OF MULTI-PURPOSE BUILDING**

BARANGAY BUAC GAMAY, SOGOD, SOUTHERN LEYTE
10.40687°N , 125.01222°E

SUBMITTED:


RAINIER 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



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DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGIONAL OFFICE VIII
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SOGOD, SOUTHERN LEYTE

C.Y. 2025 PROJECT
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**CONVERGENCE AND SPECIAL SUPPORT PROGRAM - BASIC
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BARANGAY BUAC GAMAY, SOGOD, SOUTHERN LEYTE
10.40687°N , 125.01222°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 BUILDING/ FACILITIES TO SUPPORT SOCIAL SERVICES - CONSTRUCTION (COMPLETION) OF MULTI-PURPOSE BUILDING BARANGAY BUAC GAMAY, SOGOD, SOUTHERN LEYTE	SHEET CONTENTS: GENERAL COVER PAGE	DRAFTED: JESVAE C. MORALES DATE: FEB 23 2025	REVIEWED: JOSE A. BALTAZAR ENGINEER II DATE: FEB 27 2025	SUBMITTED: RAINIERO C. RUIZ CHIEF PLANNING DESIGN SECTION DATE: FEB 28 2025	RECOMMENDED: EVA YND. TAP ASSISTANT DISTRICT ENGINEER DATE: MAR 07 2025	APPROVED: EDUARDO V. SANTOS DISTRICT ENGINEER DATE: MAR 07 2025	SET NO.: 1	SHEET NO.: 24
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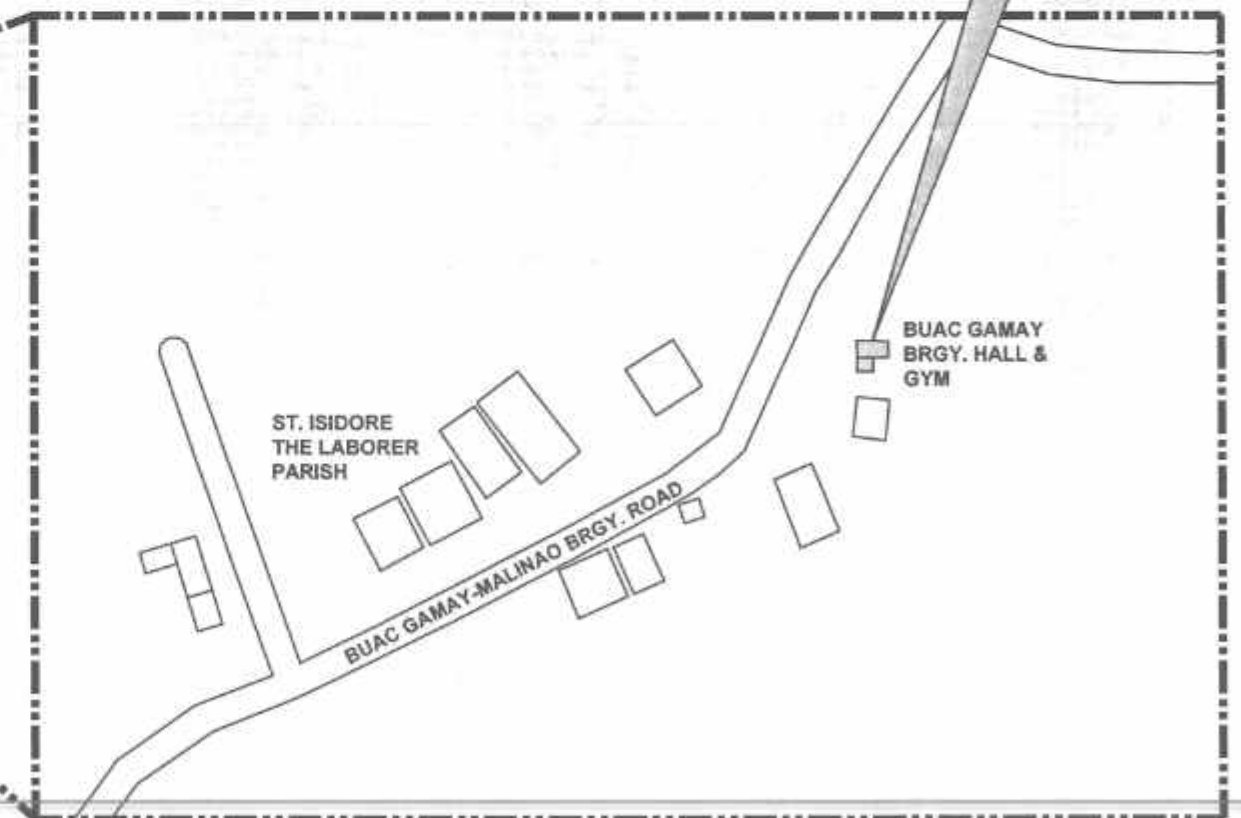


**CONVERGENCE AND SPECIAL SUPPORT PROGRAM - BASIC
INFRASTRUCTURE PROGRAM (BIP) - MULTI-PURPOSE
BUILDING/ FACILITIES TO SUPPORT SOCIAL SERVICES -
CONSTRUCTION (COMPLETION) OF MULTI-PURPOSE BUILDING**

BARANGAY BUAC GAMAY, SOGOD, SOUTHERN LEYTE
10.40687°N , 125.01222°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 SOGOD, SOUTHERN LEYTE	PROJECT NAME AND LOCATION: CONVERGENCE AND SPECIAL SUPPORT PROGRAM - BASIC INFRASTRUCTURE PROGRAM (BIP) - MULTI-PURPOSE BUILDING FACILITIES TO SUPPORT SOCIAL SERVICES - CONSTRUCTION (COMPLETION) OF MULTI-PURPOSE BUILDING BARANGAY BUAC GAMAY, SOGOD, SOUTHERN LEYTE	SHEET CONTENTS: LOCATION MAP	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: 1 SHEET NO: 3
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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 2 nd DISTRICT ENGINEERING OFFICE 80000, 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 BUAC GAMAY, 80000, SOUTHERN LEYTE	SHEET CONTENTS OTHER GENERAL REQUIREMENTS	DRAFTED DATE FEB 26 2025 JUROME C. VILLERO DESIGNER	REVIEWED DATE FEB 27 2025 JOSE A. BALTAZAR SUPERVISOR	SUBMITTED DATE FEB 27 2025 RAINIER ROMAN RUIZ CHIEF, PLANNING AND DESIGN SECTION	RECOMMENDED DATE MAR 07 2025 EVELYN D. YAP ASSISTANT DISTRICT ENGINEER	APPROVED DATE MAR 07 2025 EDUARDO V. SANTOS DISTRICT ENGINEER	SET NO. 1	SHEET NO. 4

SUMMARY OF QUANTITIES

ITEM NO.	DESCRIPTION	QUANTITY	UNIT
Part B	OTHER GENERAL REQUIREMENTS - Blue Book Vol. III		
B.3(1)	Permits and Clearances	1.00	L.s
B.5 (1)	Project Billboard / Signboard	4.00	Each
B.7 (1)	Occupational Safety and Health	1.00	L.s
B.9 (1)	Mobilization / Demobilization	1.00	L.s
PART C	EARTHWORK - Blue Book Vol. III, Part III, Division I - General		
801(1)	Removal of Structures and Obstruction	1.00	L.s
PART D	REINFORCED CONCRETE WORK - Blue Book Vol. III, Part III, Division I - General		
900 (1)c	Structural Concrete Class A 28 days, (3000 psi)	5.00	Cu.m.
902 (1)a1	Reinforcing Steel (Deformed), Grade 40	1405.00	Kg.
903(1)	Formworks and Falseworks	1.00	L.S
PART E	FINISHING & OTHER CIVIL WORKS - Blue Book Vol. III, Part III, Division II - Buildings		
	Storm Drainage and Sewerage System		
1001 (2)	Concrete Gutter	9.00	M
1001 (6)	Catch Basin	1.00	L.s
1001 (9)	Storm Drainage and Downspout	1.00	L.s
	Carpentry and Joinery Works		
1003 (1)a1	Ceiling 4.5 mm Metal Frame Fiber Cement Board	29.00	Sq.m
	Hardware		
1004 (2)	Finishing Hardware	1.00	L.s
	Aluminum Glass Window		
1008 (1)a	Aluminum Glass Window (Sliding Type)	5.20	Sq.m
1008 (1)c	Aluminum Glass Window (Awning Type)	4.00	Sq.m
1008 (1)d	Aluminum Glass Window (Fixed Type)	9.00	Sq.m
	Wooden Doors and Windows		
1010 (1)	Frames (Jambs, Sills, Head, Transoms and Mullions)	1.00	Sets
1010 (2)b	Doors, Wood Panel	2.00	Sq.m
	Corrugated Roofing		
1013 (2)b	Fabricated Metal Roofing Accessory gauge 26 (0.551mm), Flashings	16.00	Ln.m

	Prepainted Metal Sheets		
1014(1)a2	Prepainted Metal Sheets, above 0.427 mm, Corrugated Type, Long Span	31.00	Sq.m
	Waterproofing		
1016 (1)a	Waterproofing, Cement-base	7.00	Sq.m.
1016 (1)b	Waterproofing Liquid	103.00	Sq.m.
	Ceramic/Granite Tiles		
1018 (2)	Unglazed Tiles	8.00	Sq.m.
1018 (5)	Glazed Tiles	29.00	Sq.m.
	Cement Plaster Finish		
1027 (1)	Cement Plaster Finish	212.00	Sq.m.
	Painting, Varnishing and Other Related Works		
1032 (1)a	Painting Works (Masonry/Concrete)	417.00	Sq.m.
1032 (1)b	Painting Works Wood	10.10	Sq.m.
1032 (1)c	Painting Works Steel	29.00	Sq.m.
	Masonry Works		
1046 (2)a1	CHB Non Load Bearing (including Reinforcing Steel) 100 mm	106.00	Sq.m.
	Metal Structure		
1047 (8)a	Structural Steel, Trusses	167.00	Kgs.
1047 (8)b	Structural Steel, Purlins	201.00	Kgs.
1047 (5)b	Metal Structure Accessories, Sagrods	5.00	Kgs.
1047 (4)a	Metal Structure Accessories,Bolts and Rods	24.00	Each
1047 (5)d	Metal Structure Accessories, Steel Plates	43.00	Kgs.
1051 (1)a	Railing	1.00	L.s.
PART F	ELECTRICAL - Blue Book Vol. III, Part III, Division II - Buildings		
1100 (10)	Conduits, Boxes & Fittings (Conduit Works/Conduit,Rough-in)	1.00	L.s.
1101 (33)	Wires and Wiring Devices	1.00	L.s.
1102 (1)	Panelboard with Main & Branch Breakers	1.00	L.s.
1103 (1)	Lighting Fixtures	1.00	L.s.
PART G	MECHANICAL WORKS - Blue Book Vol. III, Part III, Division II - Buildings		
	Airconditioning and Ventilating System		
1200(13)a	Airconditioning, Package/Split Type	1.00	L.s



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ENGINEERING OFFICE
BOGOD, SOUTHERN LEYTE

PROJECT NAME AND LOCATION
CONVERGENCE AND SPECIAL SUPPORT PROGRAM - BASIC INFRASTRUCTURE PROGRAM (BIP) - MULTI-PURPOSE BUILDING FACILITIES TO SUPPORT SOCIAL SERVICES - CONSTRUCTION (COMPLETION) OF MULTI-PURPOSE BUILDING
SARANGAY BUAC SAMAY, SOGOD, SOUTHERN LEYTE

SHEET CONTENTS
SUMMARY OF QUANTITIES

DRAFTED
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DATE FEB 25 2025

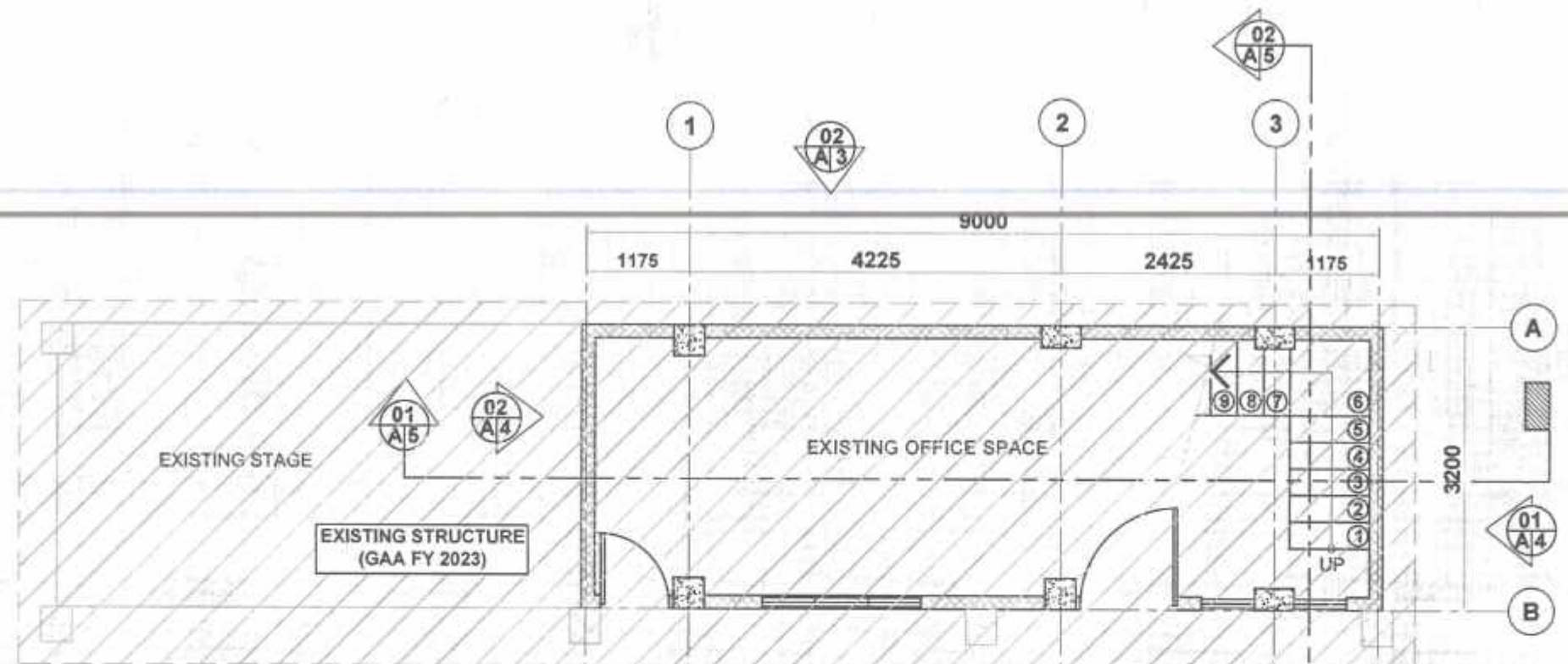
REVIEWED
JOSE A. BALTAZAR
DATE FEB 27 2025

SUBMITTED
RAINIER LOUIS RUIZ
DATE FEB 27 2025

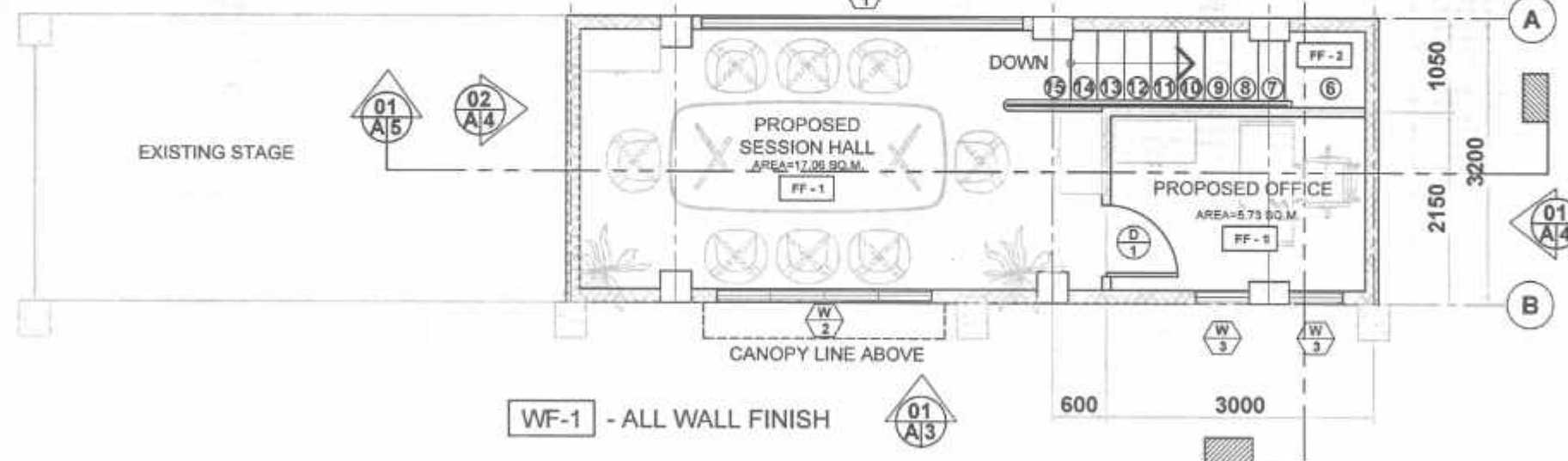
RECOMMENDED
FREDRICKO MAPA
DATE MAR 07 2025

APPROVED
EDUARDO V. SANTOS
DATE MAR 07 2025

BET NO. 1
SHEET NO. 5
24



01
A-1 SCALE 1:50mts



02
A-1 SCALE 1:50mts

FINISHES LEGEND :	
WALL FINISH:	
	100mm THK. CHB WALL FINISH
	150mm THK. CHB WALL FINISH
	PLASTERED CHB WALL W/ SEMI-GLOSS LATEX PAINT FINISH (VERIFY COLOR)
FLOOR FINISH:	
	600x600mm CERAMIC TILES (GLAZED)
	CEMENT FLOOR FINISH



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30900, SOUTHERN LEYTE

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CONSTRUCTION (COMPLETION) OF MULTI-PURPOSE BUILDING
BARANSAY BUAC GAMAY, BOSOD, SOUTHERN LEYTE

SHEET CONTENTS:
GROUND FLOOR PLAN
SECOND FLOOR PLAN

DRAFTED:
DATE: FEB 23 2025
PREPARED:
DATE: FEB 23 2025

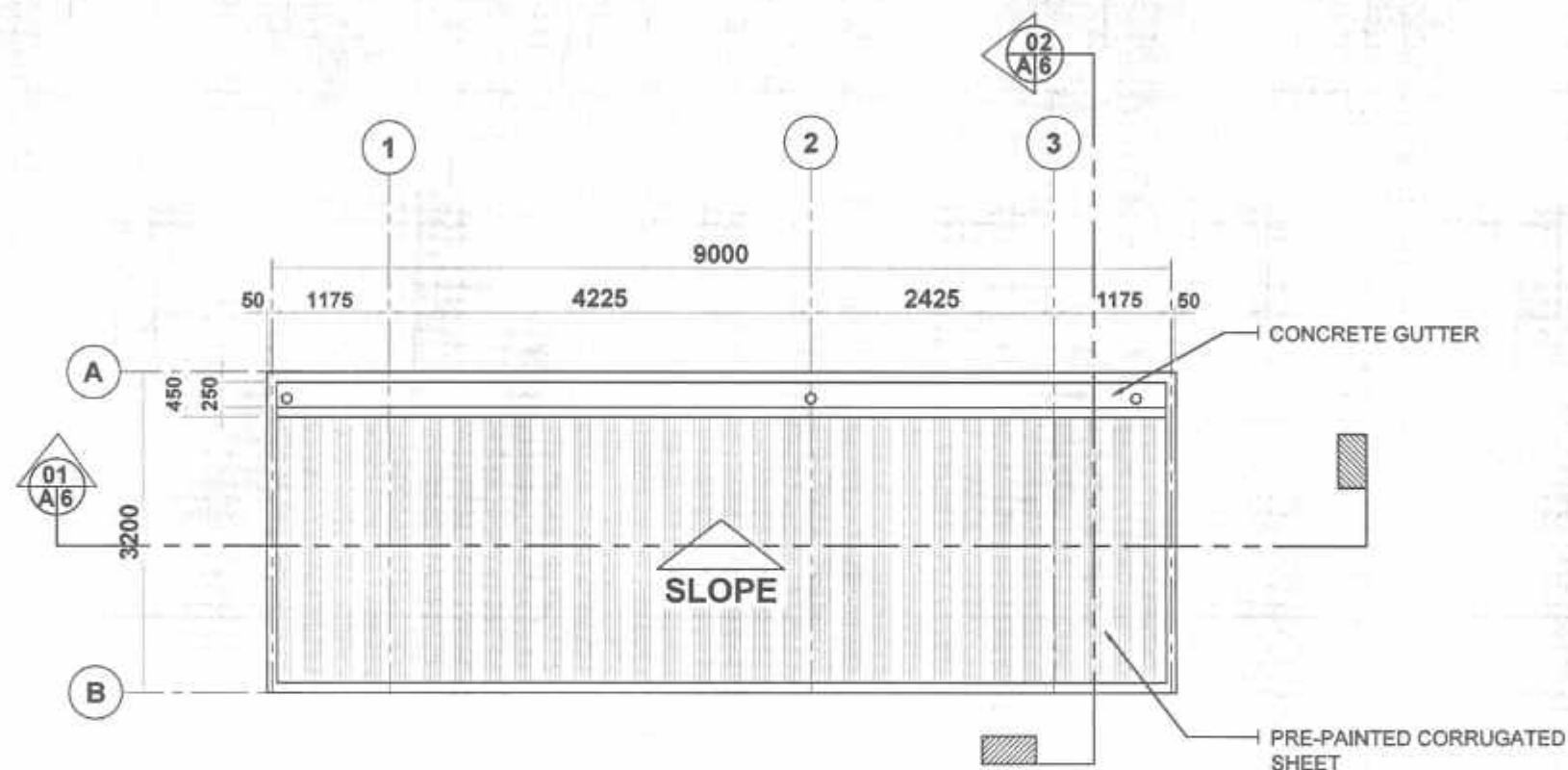
REVIEWED:
DATE: FEB 27 2025
ENGINEER:
DATE: FEB 27 2025

SUBMITTED:
DATE: FEB 27 2025
CHIEF PLANNING DESIGN SECTION:
DATE: FEB 27 2025

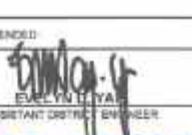
RECOMMENDED:
DATE: MAR 07 2025
ASSISTANT DISTRICT ENGINEER:
DATE: MAR 07 2025

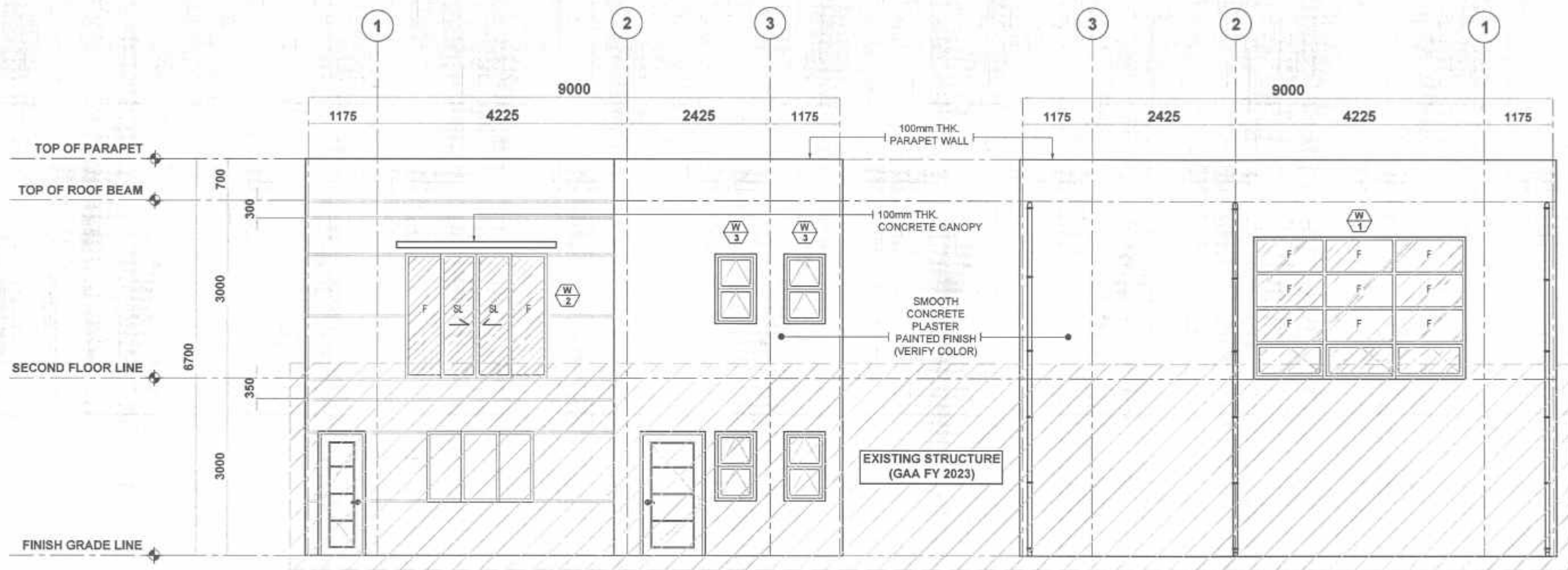
APPROVED:
DATE: MAR 07 2025
DISTRICT ENGINEER:
DATE: MAR 07 2025

SHEET NO: 6
SHEET NO: 24



01 ROOF PLAN
A-2 SCALE 1:50m

 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 (BSP) - MULTI-PURPOSE BUILDING FACILITIES TO SUPPORT SOCIAL SERVICES - CONSTRUCTION (COMPLETION) OF MULTI-PURPOSE BUILDING BARANGAY BUAC GAMAY, 80000 SOUTHERN LEYTE	SHEET CONTENTS ROOF PLAN	DRAFTED:  DATE: FEB 25 2025 PREPARED: JHONNIE C. VILLALINO DATE: FEB 25 2025	REVIEWED:  DATE: FEB 27 2025 ENGINEER: JOSE A. BALAZAS DATE: FEB 27 2025	SUBMITTED:  DATE: FEB 27 2025 CHIEF PLANNING & DESIGN SECTION: RAINIER C. RUIZ DATE: FEB 27 2025	RECOMMENDED:  DATE: MAR 07 2025 ASSISTANT DISTRICT ENGINEER: ELYNN T. YAYA DATE: MAR 07 2025	APPROVED:  DATE: MAR 07 2025 DISTRICT ENGINEER: EDUARDO V. SANTOS DATE: MAR 07 2025	SET NO.: 3 SHEET NO.: 24
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01 FRONT ELEVATION
A-3 SCALE 1:50mts

02 REAR ELEVATION
A-3 SCALE 1:50mts



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGION VIII
SOUTHERN LEYTE 2ND DISTRICT
ENGINEERING OFFICE
8000D, SOUTHERN LEYTE

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CONSTRUCTION (COMPLETION) OF MULTI-PURPOSE BUILDING
BARANGAY BUAC GAMAY, 8000D, SOUTHERN LEYTE

SHEET CONTENTS
FRONT ELEVATION
REAR ELEVATION

DRAFTED
READY FOR REVIEW
DATE
PREPARED
DATE
FEB 27 2025

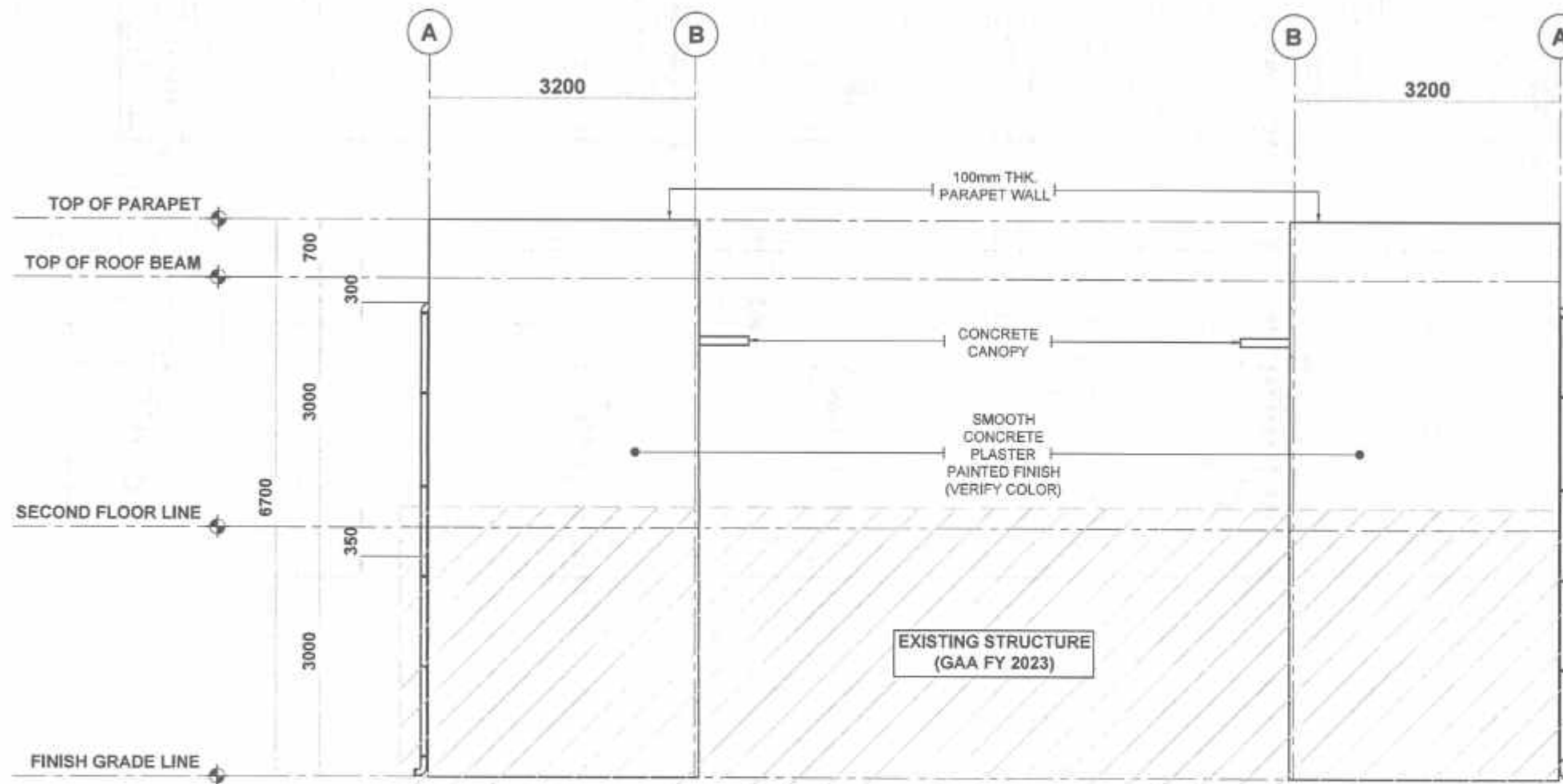
REVIEWED
DATE
FEB 27 2025

SUBMITTED
DATE
FEB 27 2025

RECOMMENDED
DATE
MAR 07 2025

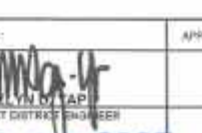
APPROVED
DATE
MAR 07 2025

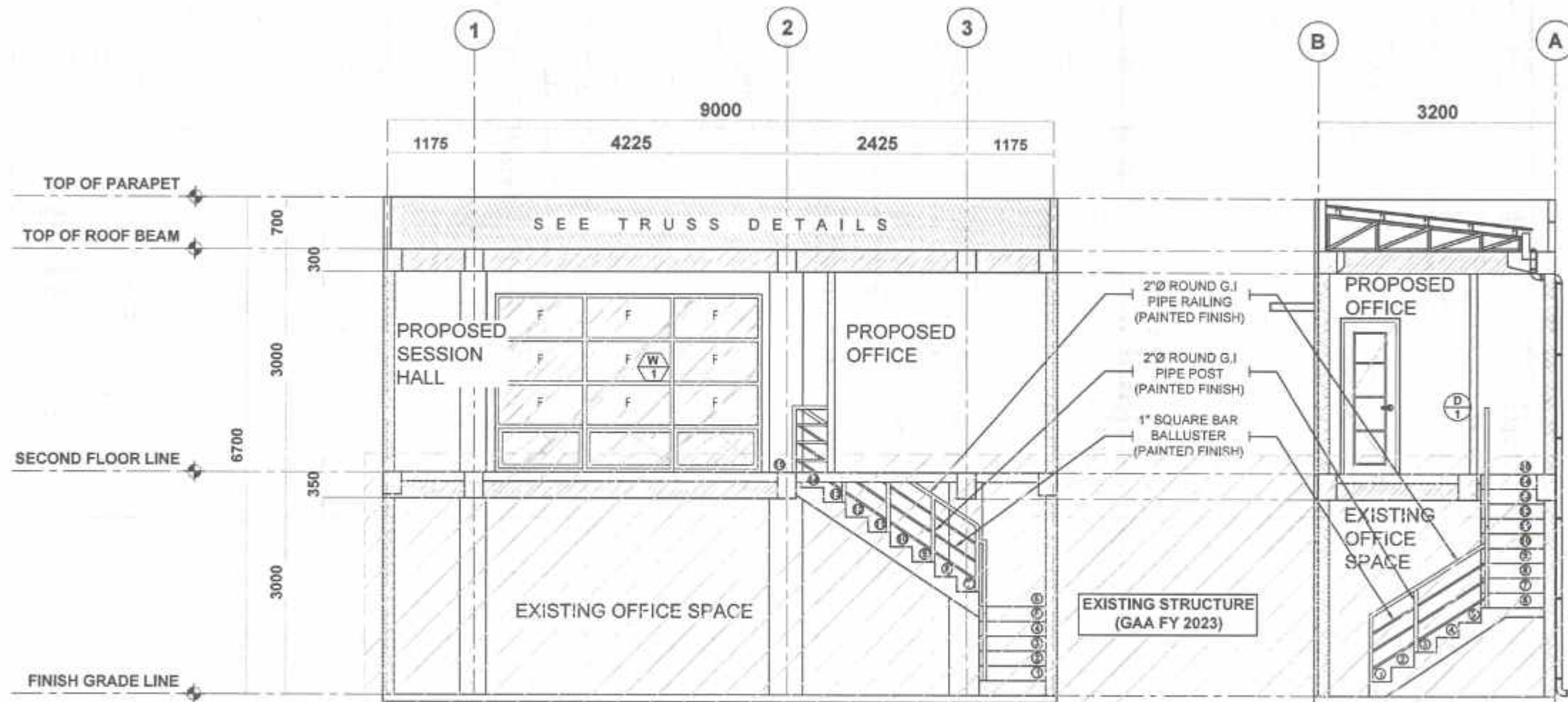
SET NO.
SHEET NO.
24



01 LEFT SIDE ELEVATION
A-4 SCALE 1:50mts

02 RIGHT SIDE ELEVATION
A-4 SCALE 1:50mts

 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGION VII SOUTHERN LEYTE 2nd DISTRICT ENGINEERING OFFICE 90000, 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 MULTIPURPOSE BUILDING BARKADAY BULO GAMAY, 90000, SOUTHERN LEYTE	SHEET CONTENTS LEFT SIDE ELEVATION RIGHT SIDE ELEVATION	DRAFTED:  DATE: FEB 25 2025 PREPARED: JUNROME O. VIL ENGINEER II	REVIEWED:  DATE: FEB 27 2025 CHECKED: ROSE A. BALAGUER ENGINEER I	SUBMITTED:  DATE: FEB 27 2025 DESIGNED: RAINIER C. RUIZ CHIEF PLANNING DESIGN SECTION	RECOMMENDED:  DATE: MAR 07 2025 ASSISTANT DISTRICT ENGINEER	APPROVED:  DATE: MAR 07 2025 DISTRICT ENGINEER	SET NO. SHEET NO. A B 4 24
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SOGOO, SOUTHERN LEYTE

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CONSTRUCTION COMPLETION OF MULTI-PURPOSE BUILDING
BARANGAY BUAC GAMAY, SOGOO, SOUTHERN LEYTE

SHEET CONTENTS
LONGITUDINAL SECTION
CROSS SECTION

DRAFTED
DATE
FEB 26 2025

REVIEWED
DATE
FEB 27 2025

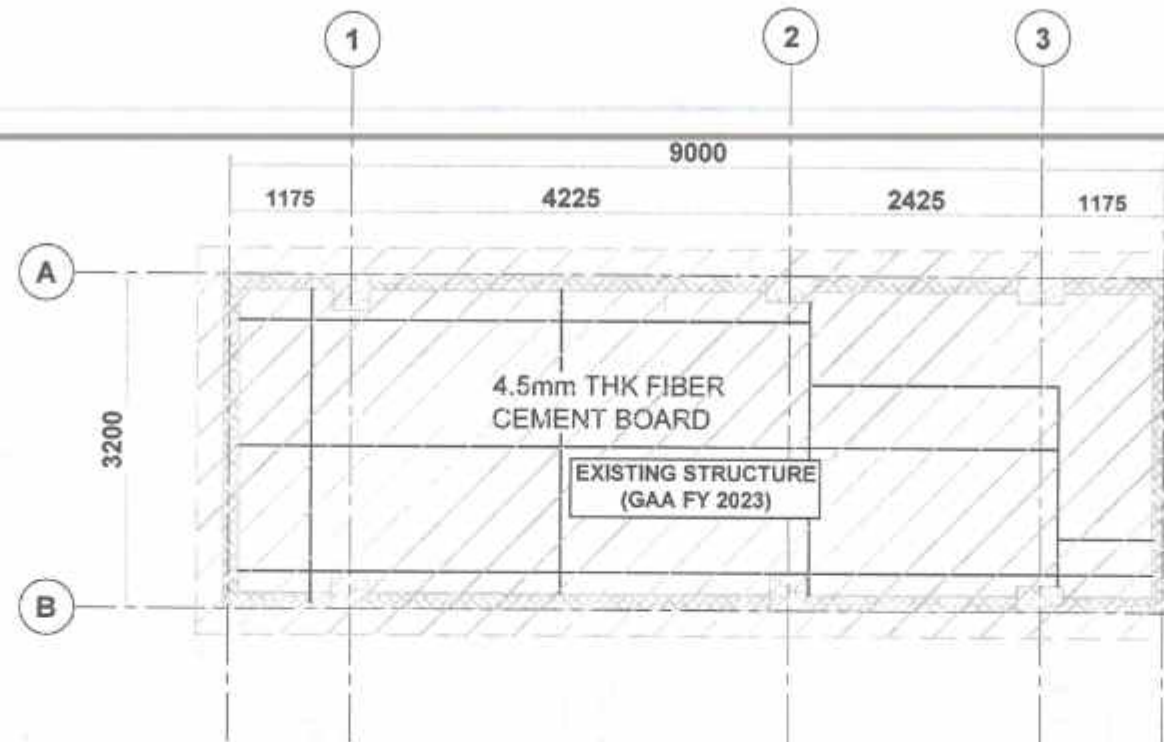
SUBMITTED
DATE
FEB 27 2025

RECOMMENDED
DATE
FEB 27 2025

APPROVED
DATE

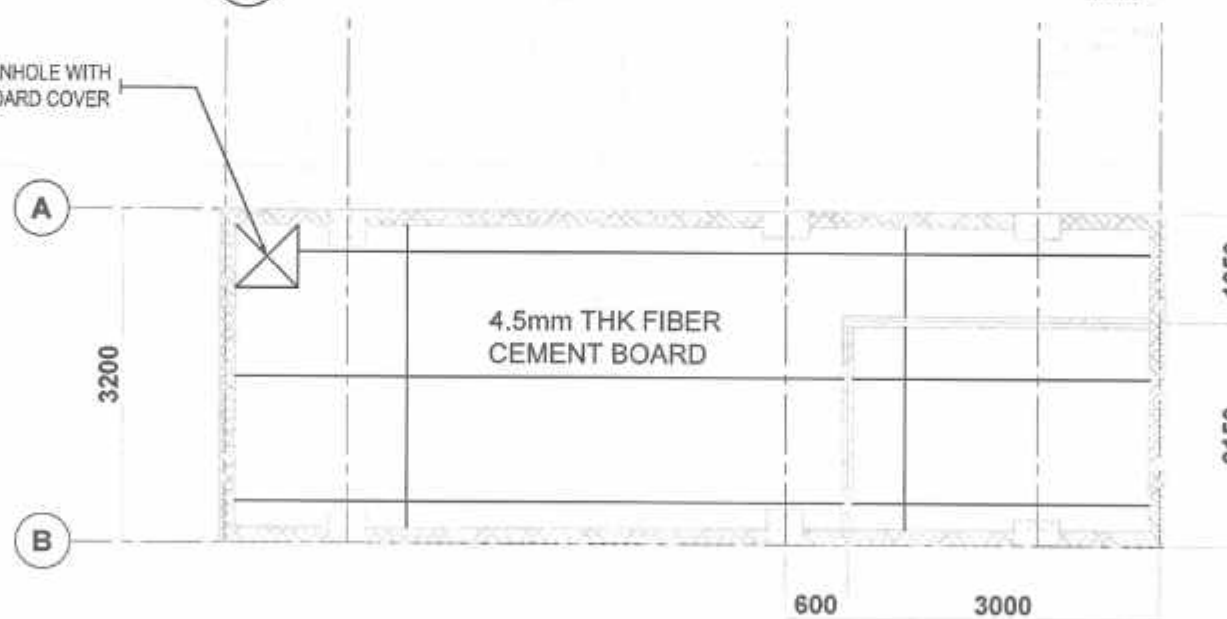
EDUARDO V. SANTOS
DISTRICT ENGINEER

SET NO. 10
SHEET NO. 24



01
A-4 SCALE 1:50mts
GROUND FLOOR REFLECTED CEILING PLAN

600X600mm MANHOLE WITH
4.5mm THK FICEM BOARD COVER



02
A-4 SCALE 1:50mts
SECOND FLOOR REFLECTED CEILING PLAN



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BARANGAY BUC SAMAY, SOGOO, SOUTHERN LEYTE

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

DRAWN BY
HEAVY K. BERNARDO
DATE: FEB 25 2025
PREPARED BY
JUNIORE C. VILLANO
DATE: FEB 25 2025

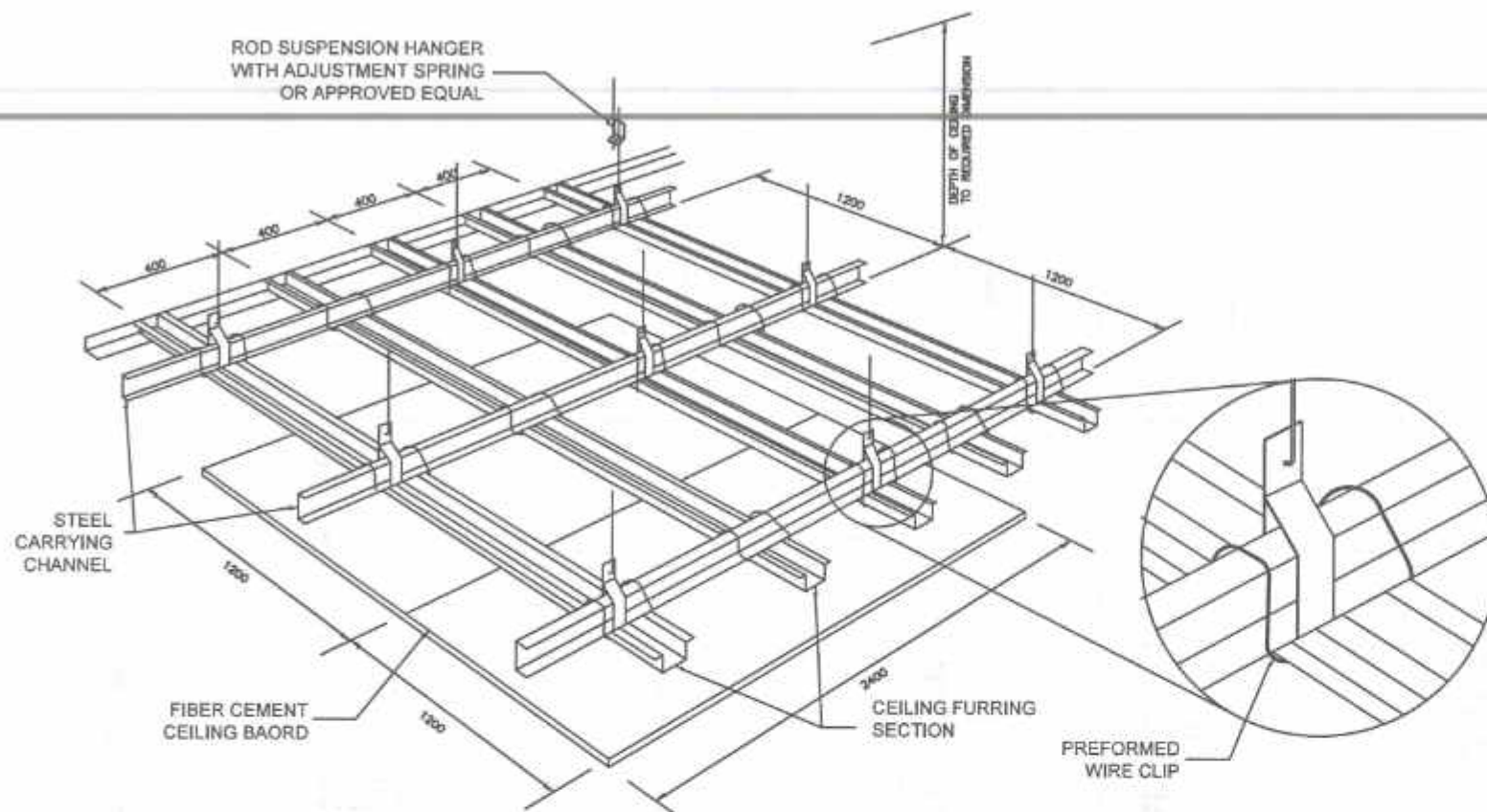
REVIEWED BY
JOSE A. BALTAZAR
DATE: FEB 27 2025

SUBMITTED BY
RAINIER C. RUIZ
DATE: FEB 27 2025

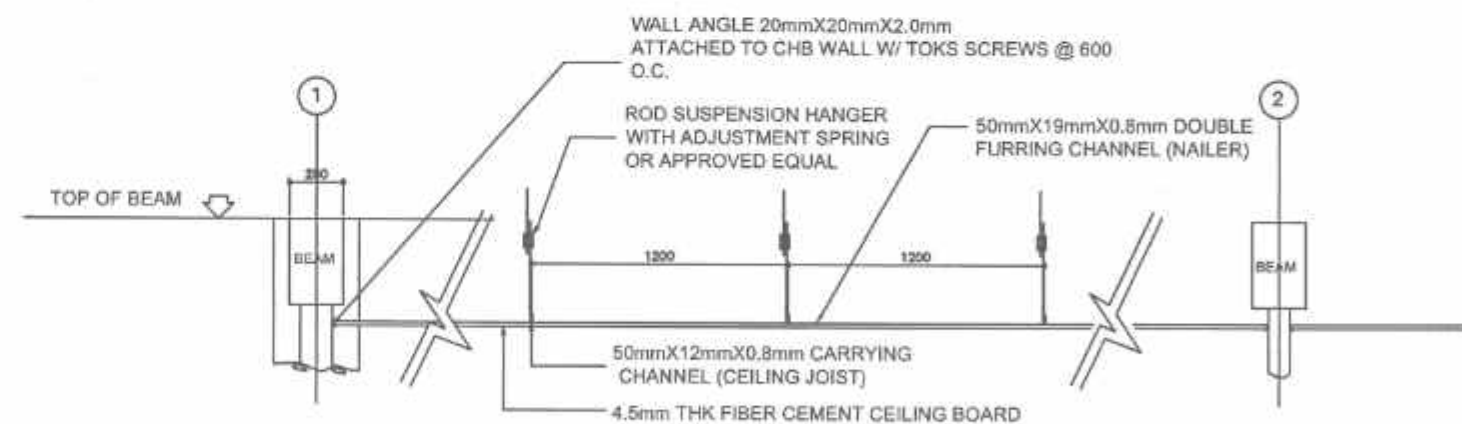
RECOMMENDED BY
EVAN D. LAP
DATE: MAR 07 2025

APPROVED BY
EDUARDO V. SANDOS
DATE: MAR 07 2025

SET NO. 11
SHEET NO. 24



01
A-7
CEILING DETAILS
SCALE 1:75mm



REPUBLIC OF THE PHILIPPINES
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BARANGAY BLAC (AMAY, BOGOD), SOUTHERN LEYTE

SHEET CONTENTS
CEILING DETAILS

DRAWN BY: KEAY, JACQUELINE
DATE: FEB 25 2025
PREPARED BY: JUNGOME C. VILLOJO
DATE: FEB 25 2025

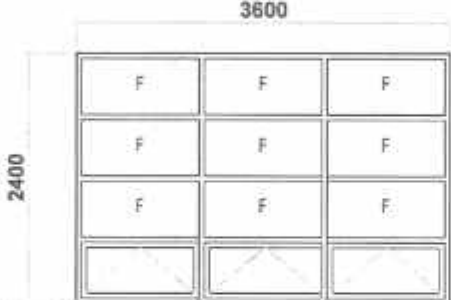
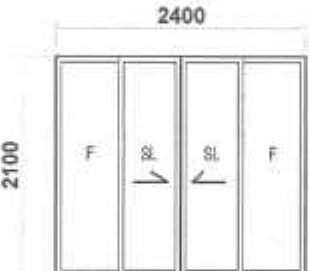
REVIEWED BY: JOSE A. RAMA
DATE: FEB 21 2025

SUBMITTED BY: RAINIERO C. RUZ
DATE: FEB 27 2025

RECOMMENDED BY: EVAN Y. D. YAP
DATE: FEB 27 2025

APPROVED BY: EDUARDO V. SANTOS
DATE: FEB 27 2025

SET NO.: A
SHEET NO.: 12

DIMENSION																
TAG	W1				W2				W3				D1			
DESCRIPTION	FIX & AWNING GLASS WINDOW				FIX & SLIDING GLASS WINDOW				AWNING GLASS WINDOW				HARD WOOD DOOR PANEL			
GLAZING	10MM THK. HEAT ABSORBING GLASS				10MM THK. HEAT ABSORBING GLASS				10MM THK. HEAT ABSORBING GLASS				-			
FRAME FINISH	POWDER COATED ALUMINUM FRAME				POWDER COATED ALUMINUM FRAME				POWDER COATED ALUMINUM FRAME				HARD WOODEN FRAME			
LOCATION	SECOND FLOOR SESSION HALL				SECOND FLOOR SESSION HALL				SECOND FLOOR OFFICE				SECOND FLOOR OFFICE			
QTY.	1 SET				1 SET				2 SETS				1 SET			
REMARKS	-				-				-							

01
A-B
SCALE 1:50mts

SCHEDULE OF DOORS AND WINDOWS

 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGION VII SOUTHERN LEYTE 2ND DISTRICT ENGINEERING OFFICE BAGONG BAYAN, 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 (CSP) - MULTI-PURPOSE BUILDING FACILITIES TO SUPPORT SOCIAL SERVICES - CONSTRUCTION (COMPLETION) OF MULTI-PURPOSE BUILDING	SCHEDULE OF DOORS AND WINDOWS	DATE: FEB 25 2025 PREPARED BY: JIMMY C. VILLANO DATE: FEB 27 2025 REVIEWED BY: JOSE A. BALTAZAR DATE: FEB 27 2025 SUBMITTED BY: RAFAEL C. RUIZ DATE: FEB 27 2025 RECOMMENDED BY: EVELYN B. YAP DATE: FEB 27 2025 APPROVED BY: EDUARDO V. SANTOS DATE: FEB 27 2025	SET NO. 8 SHEET NO. 13					

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 ATLEAST $f'_c = 3500 \text{ psi}$ or 24 Mpa .

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

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
BAGONG BAYAN, SOUTHERN LEYTE

PROJECT NAME AND LOCATION
CONVERGENCE AND SPECIAL SUPPORT PROGRAM - BASIC
INFRASTRUCTURE PROGRAM (BSP) - MULTI-PURPOSE BUILDING
FACILITIES TO SUPPORT SOCIAL SERVICES -
CONSTRUCTION (COMPLETION) OF MULTI-PURPOSE BUILDING
BARANGAY BUCAY (BAGAY), BODOD, SOUTHERN LEYTE

SHEET CONTENTS
CONSTRUCTION GENERAL NOTES

DRAFTED
JANE ANDERSON
DATE: FEB 25 2025
PREPARED
JANE ANDERSON
DATE: FEB 25 2025

REVIEWED
JOSE A. BALAZAR
DATE: FEB 27 2025

SUBMITTED
RAINIER J. RUIZ
DATE: FEB 27 2025

RECOMMENDED
EVELYN D. YAP
DATE: FEB 27 2025

APPROVED
EDUARDO V. SANTOS
DATE: FEB 27 2025

SHEET NO.
15
SHEET NO.
24

E. NOTES ON COLUMNS.

1. COLUMN CONCRETE SHALL HAVE A 28-DAY COMPRESSIVE STRENGTH ATLEAST $f'_c = 3500\text{psi} / 24\text{Mpa}$.
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 SPICED 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 SPICED AT ANY LEVEL A 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 SPICED 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.

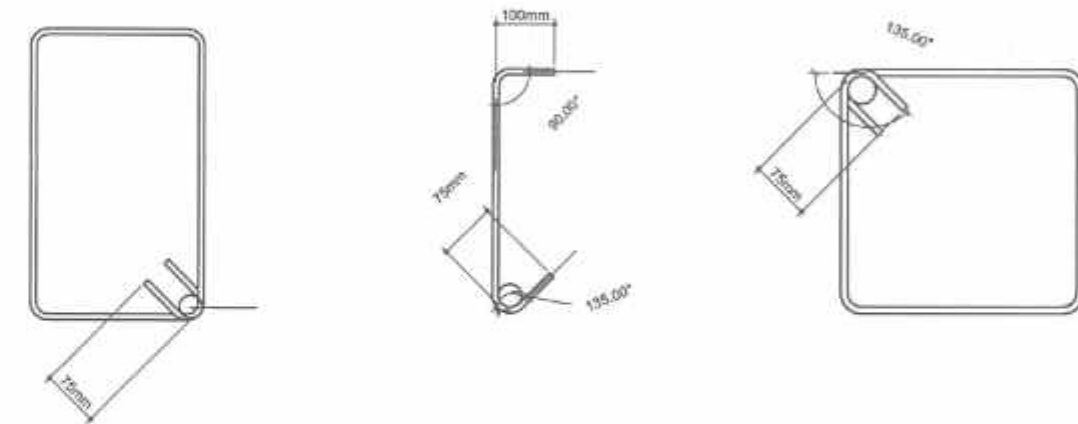
1. SLAB CONCRETE SHALL HAVE A 28-DAY COMPRESSIVE STRENGTH ATLEAST $f'_c = 3500\text{psi} / 24\text{Mpa}$.
2. SLAB REINFORCEMENT SHALL BE GRADE 40 or $f_y = 40\,000\text{ psi} / 275\text{ Mpa}$.
3. SLAB CONCRETE SHALL BE POURED MONOLITHICALLY WITH THE SUPPORTING BEAMS, NO COLD JOINTS ALLOWED.
4. NO ELECTRICAL/PLUMBING 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
BAGONG BAYAN, SOUTHERN LEYTE

PROJECT NAME AND LOCATION
CONVERGENCE AND SPECIAL SUPPORT PROGRAM - BASIC
INFRASTRUCTURE PROGRAM (SBP) - MULTI-PURPOSE BUILDING
FACILITIES TO SUPPORT SOCIAL SERVICES -
CONSTRUCTION (COMPLETION) OF MULTI-PURPOSE BUILDING
BAGONG BAYAN, BAGO, SOUTHERN LEYTE

SHEET CONTENTS
CONSTRUCTION GENERAL NOTES

DRAWN BY
DATE
FEB 23 2025
PREPARED BY
DATE
FEB 23 2025
CHECKED BY
DATE
FEB 23 2025

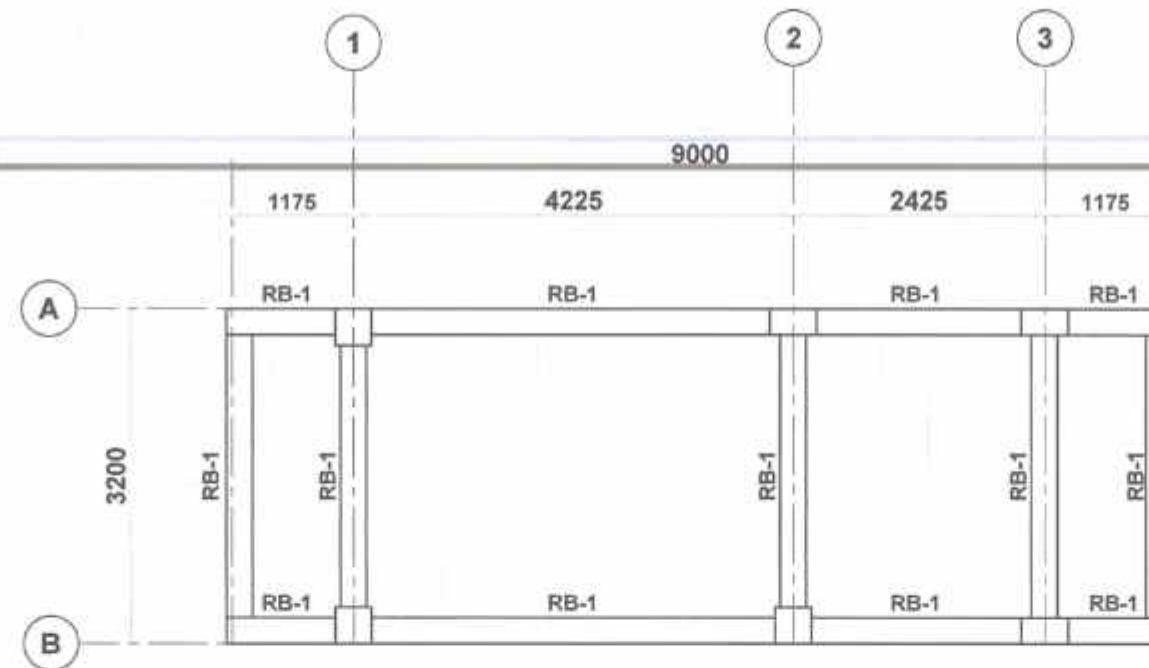
REVIEWED BY
DATE
FEB 27 2025
ENGINEER
DATE
FEB 27 2025

SUBMITTED BY
DATE
FEB 27 2025
CHIEF PLANNING & DESIGN SECTION
DATE
FEB 27 2025

RECOMMENDED BY
DATE
FEB 27 2025
ASSISTANT DISTRICT ENGINEER
DATE
FEB 27 2025

APPROVED BY
DATE
FEB 27 2025
DISTRICT ENGINEER
DATE
FEB 27 2025

SHEET NO.
18
BHEET NO.
24



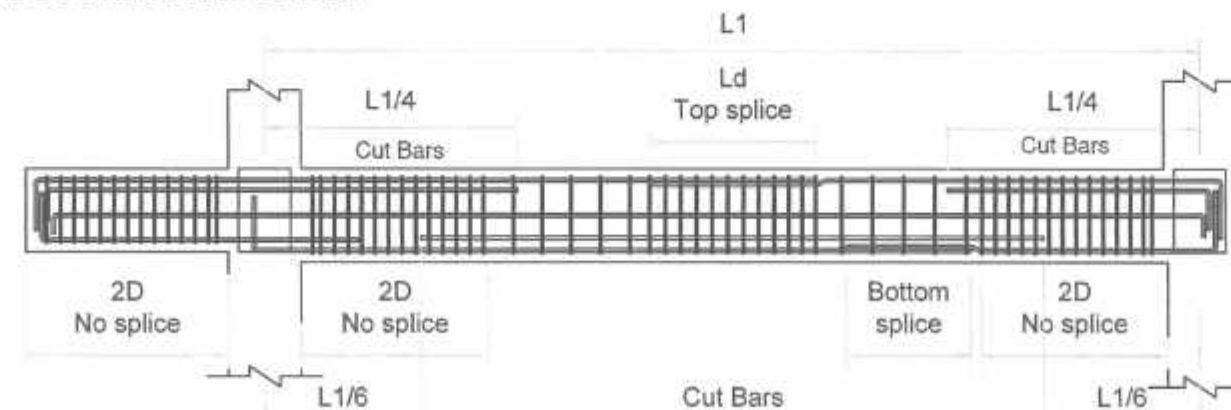
01
S-3
SCALE 1:50mts

ROOF BEAM FRAMING PLAN

SCHEDULE OF BEAMS

MARK	DIMENSION (mm)		RSB	SUPPORT	BAR DETAILS	MID SPAN	BAR DETAILS	WEB BARS	STIRRUPS	SPACING (mm.)			CONCRETE COVER (CLEAR)
	B	D								50	75	100	
RB ₁	250	300	TOP	3-16mm		3-16mm		-	10mm	5	10	REST	40mm
			BOTTOM	3-16mm		3-16mm							

TYPICAL DUCTILE BEAM DETAIL



REPUBLIC OF THE PHILIPPINES
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REGION VIII
SOUTHERN LEYTE 2ND DISTRICT
ENGINEERING OFFICE
8000D, 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
BARANGAY BUAC GAMAY, 8000D, SOUTHERN LEYTE

SHEET CONTENTS:
ROOF BEAM FRAMING PLAN
SCHEDULE OF ROOF BEAM
TYPICAL DUCTILE BEAM DETAIL

DRAFTED
DATE: FEB 26 2025
PREPARED
DATE: FEB 26 2025
CHECKED
DATE: FEB 26 2025
DESIGNED
DATE: FEB 26 2025

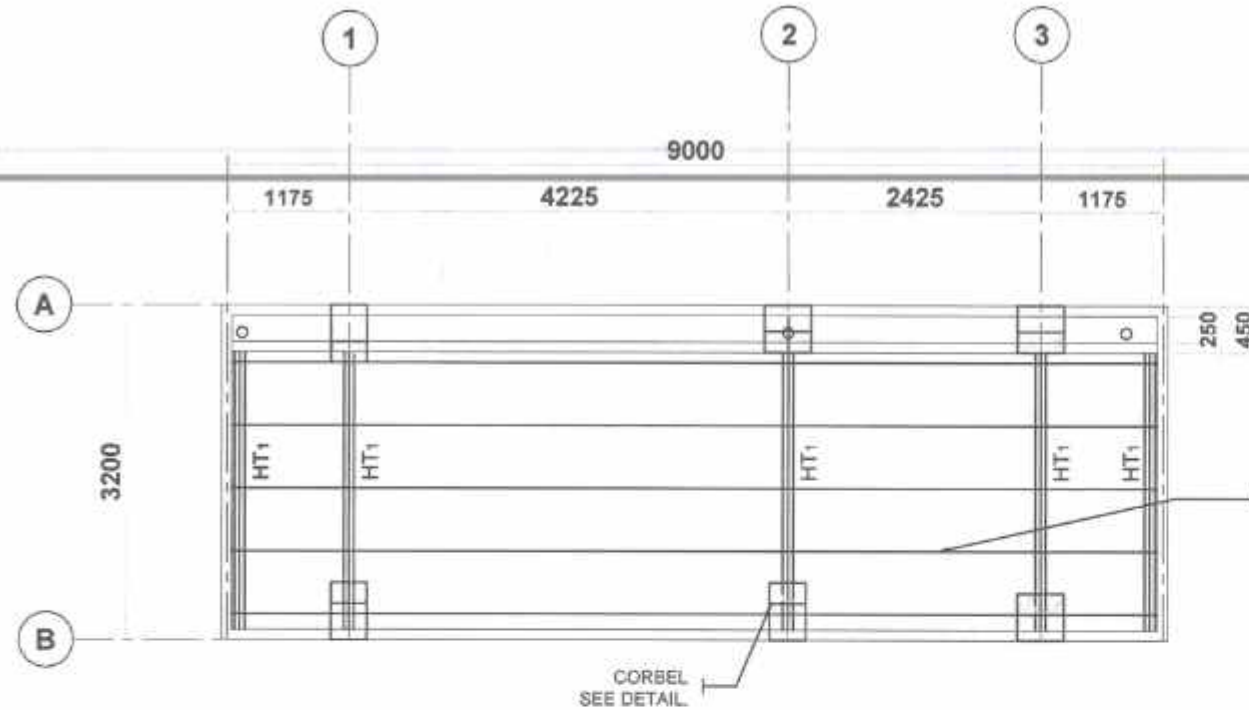
REVIEWED
DATE: FEB 27 2025
APPROVED
DATE: FEB 27 2025

SUBMITTED
DATE: FEB 27 2025
RECOMMENDED
DATE: FEB 27 2025

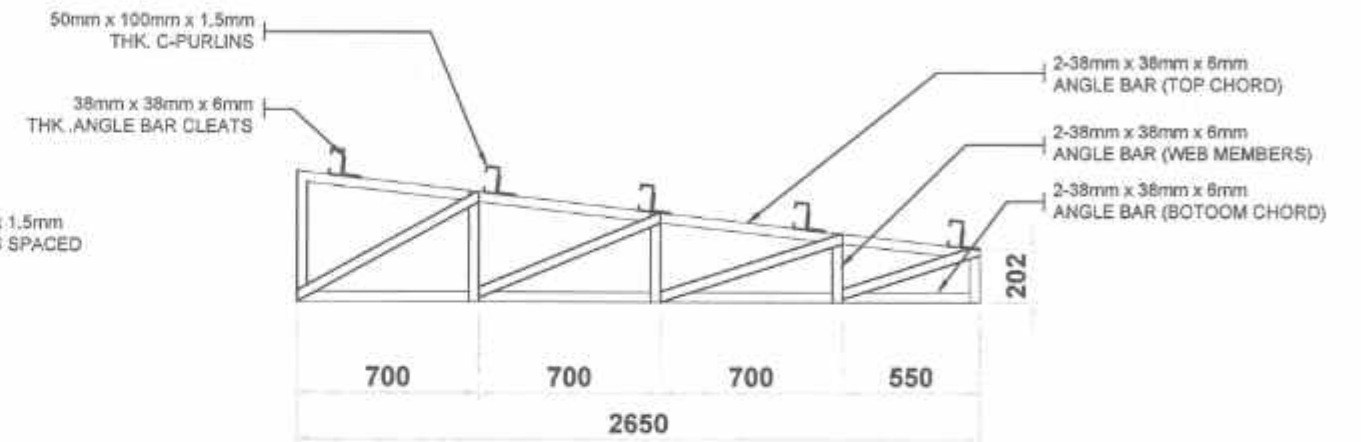
APPROVED
DATE: FEB 27 2025

SET NO: 5
SHEET NO: 17

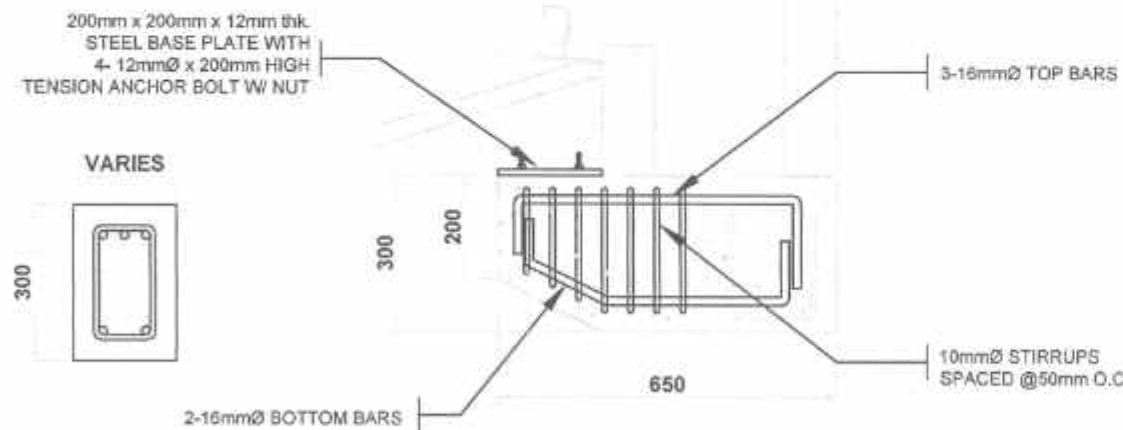
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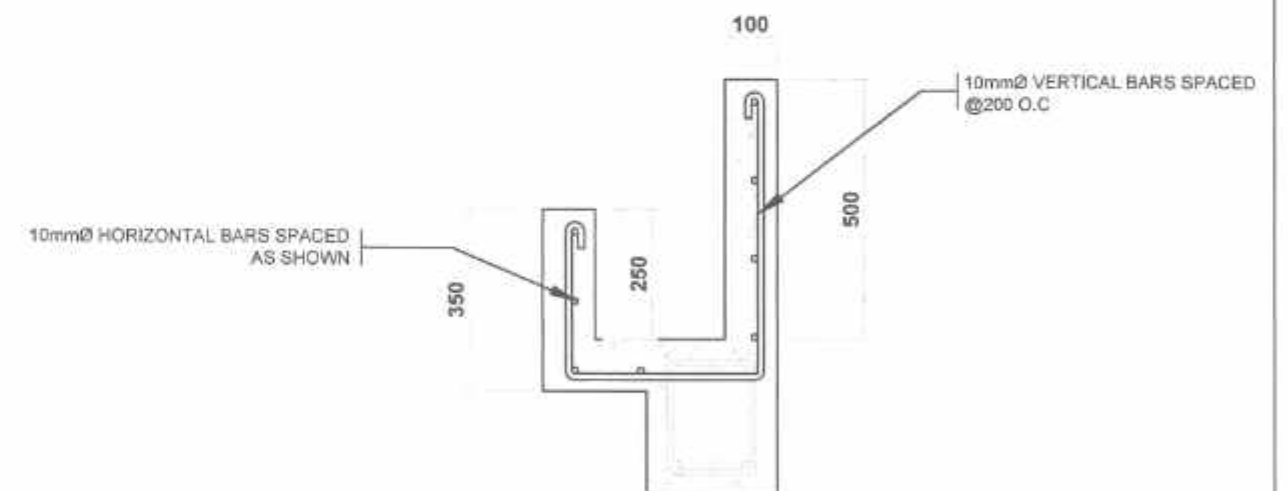
01 ROOF FRAMING PLAN
SCALE 1:50mts



02 TRUSS DETAIL
SCALE 1:20mts



03 CORBEL DETAIL
SCALE 1:10mts



04 PARAPET DETAIL
SCALE 1:10mts



REPUBLIC OF THE PHILIPPINES
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REGION VIII
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ENGINEERING OFFICE
80000, SOUTHERN LEYTE

PROJECT NAME AND LOCATION:
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INFRASTRUCTURE PROGRAM (BIP) - MULTIPURPOSE BUILDING
FACILITIES TO SUPPORT SOCIAL SERVICES -
CONSTRUCTION (COMPLETION) OF MULTI-PURPOSE BUILDING
BARANGAY BUAC GAMAY, SOGOD, SOUTHERN LEYTE

SHEET CONTENTS:
ROOF FRAMING PLAN
TRUSS DETAIL
CORBEL DETAIL
PARAPET DETAIL

DRAFTED: ALEXANDRO C. DE VERA
DATE: FEB 25 2025
PREPARED: JIMMIE C. VALEJO
DATE: FEB 25 2025

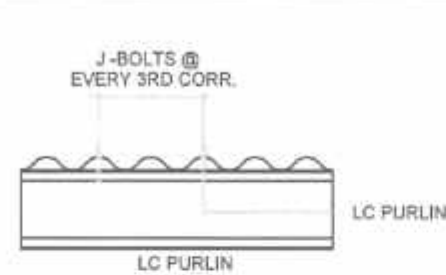
REVIEWED: JOSE A. BALTAZAR
DATE: FEB 27 2025

SUBMITTED: RAIMON R. RUZ
DATE: FEB 27 2025

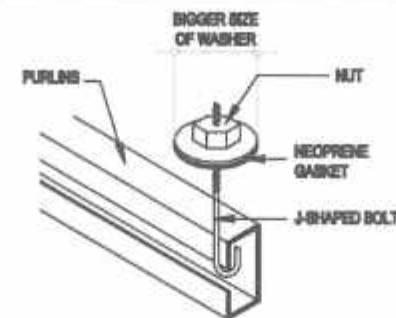
RECOMMENDED: EDUARDO V. SANTOS
DATE: FEB 27 2025

APPROVED: EDUARDO V. SANTOS
DATE: FEB 27 2025

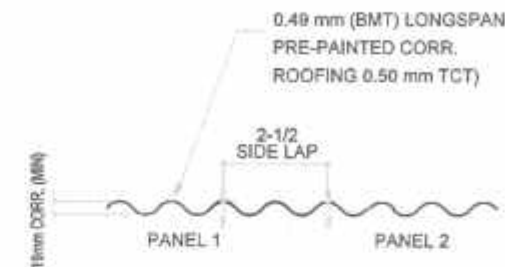
SET NO: 5
SHEET NO: 18
4 5 24



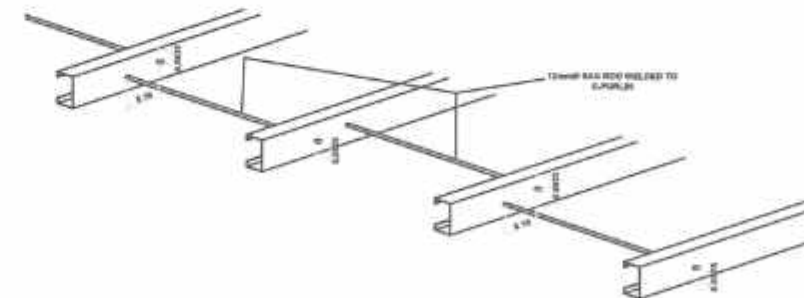
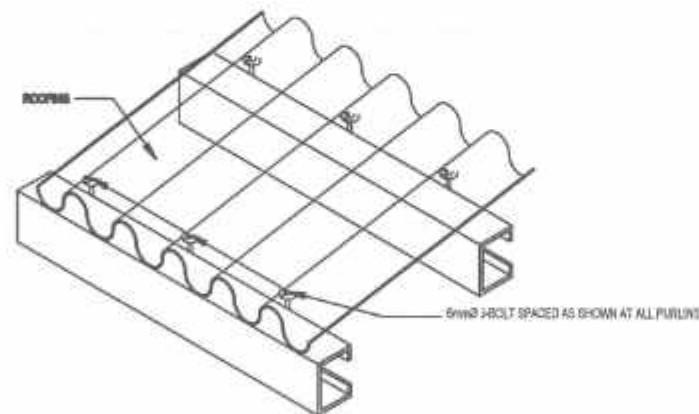
01 J-BOLT SPACING
S-S SCALE 1:10mts



02 ROOFING FIXER
S-S SCALE 1:10mts



03 SIDE LAP PANEL DETAIL
S-S SCALE 1:10mts



REPUBLIC OF THE PHILIPPINES
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REGION VII
SOUTHERN LEYTE 2nd DISTRICT
ENGINEERING OFFICE
80600, SOUTHERN LEYTE

PROJECT NAME AND LOCATION
CONVERGENCE AND SPECIAL SUPPORT PROGRAM - BASIC
INFRASTRUCTURE PROGRAM (BSP) - MULTI-PURPOSE BUILDING
FACILITIES TO SUPPORT SOCIAL SERVICES -
CONSTRUCTION (COMPLETION) OF MULTI-PURPOSE BUILDING
BARANGAY BUNO GANAY, 80600, SOUTHERN LEYTE

SHEET CONTENTS
J-BOLT SPACING
ROOFING FIXER
SIDE LAP PANEL DETAIL

DRAFTED
ALEJANDRO B. BATA AND JR.
DATE
FEB 25 2025
PREPARED
JOSE A. BALTAZAR
DATE
FEB 27 2025
ENGINEER
CONDOMINIO MILANO
DATE
FEB 28 2025

REVIEWER
JOSE A. BALTAZAR
DATE
FEB 27 2025

SUBMITTED
RAINER P. RUIZ
DATE
FEB 27 2025

RECOMMENDED
EVELYN D. YAP
DATE
FEB 27 2025

APPROVED
EDUARDO V. SANTOS
DATE
FEB 27 2025

SET NO.
S
SHEET NO.
19
24

SCHEDULE OF LOADS:

CIRCUIT NO.	LOAD DESCRIPTIONS	QTY.	TOTAL VOLT-AMP	I (AMP)	WIRE SIZE	CONDUIT SIZE	BRK. SIZE	NO. OF POLE	KAIC
1	LIGHTS	7	700	3.18	2-#3.5 MM ² THHN, 1-#2.0 MM ² TW	20mm Ø PVC	15	2	
2	C.O.	4	1440	6.55	2-#5.5 MM ² THHN, 1-#2.0 MM ² TW	25mm Ø PVC	20	2	
3	LIGHTS	7	700	3.18	2-#3.5 MM ² THHN, 1-#2.0 MM ² TW	20mm Ø PVC	15	2	
4	C.O.	4	1440	6.55	2-#5.5 MM ² THHN, 1-#2.0 MM ² TW	25mm Ø PVC	20	2	
5	ACU (1.5 HP)	1	1400	6.08	2-#8.0 MM ² THHN, 1-#3.5 MM ² TW	25mm Ø PVC	30	2	
6	SPACE								
MAIN BREAKER			5680	25.54	2-#14.0 MM ² THHN, 1-#5.5 MM ² TW	32mm Ø PVC	60	2	20

MAIN CONDUCTOR DESIGN:

$$I_C = ((25.56 \times 80\%) + 0.25(6.08)) \\ = (20.45 + 1.52) \\ = 21.97 \text{ AMPS}$$

USE: 2- 14.0MM² THHN +
1- 5.5MM² TW

MAIN BREAKER DESIGN:

$$I_B = (16.88) 1.25 \\ = 21.1 \text{ AMPS}$$

USE: 60AT 2P, 220 VOLTS, 20 KAIC

ELECTRICAL NOTES:

ALL ELECTRICAL WORKS AND INSTALLATIONS HEREIN SHALL BE EXECUTED IN ACCORDANCE WITH THE LATEST APPROVED EDITION OF THE PHILIPPINE ELECTRICAL CODE AND REGULATIONS OF THE LOCAL AND NATIONAL AUTHORITIES CONCERNED IN THE ENFORCEMENT OF ELECTRICAL LAW AND ORDINANCES

WORKMANSHIP SHALL BE EQUAL TO THE BEST STANDARD PRACTICED ADOPTED AND RECOGNIZED IN THIS TRADE

ALL MATERIALS TO BE USED SHALL BE NEW AND APPROVED TYPE TO ANY PURPOSE INTENDED. ALL WIRES TYPE TWTHW SHALL BE INSULATED FOR 600VOLTS.

NO BRANCH CIRCUIT SHALL BE HAVE A LOAD OF MORE THAN 80% OF ITS RATING

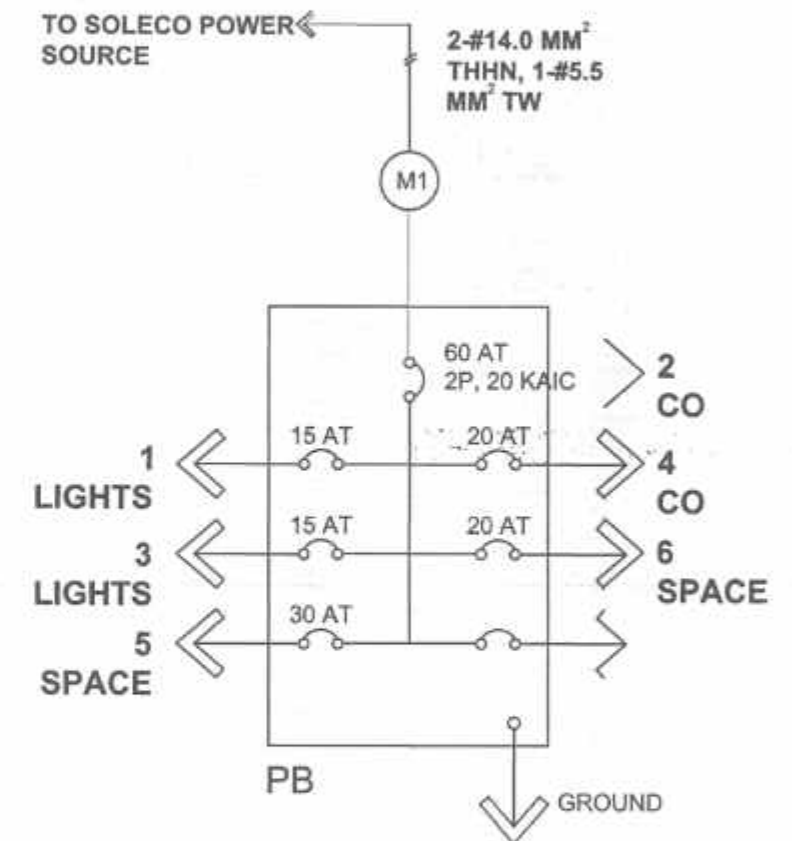
ELECTRICAL SERVICE REQUIREMENTS SHALL BE 220 VOLTS, 1-PHASE 60HZ. SUPPLY

ADEQUATE AND EFFECTIVE GROUNDING SHALL BE DONE TO METALLIC CONDUITS, CABINETS AND EQUIPMENTS

ALL ELECTRICAL INSTALLATIONS HEREIN SHALL BE DONE UNDER THE SUPERVISION OF A DULY LICENSED ELECTRICAL ENGINEER

LEGEND

	PANEL BOARD
	8W FLOOR LIGHTS
	8W WALL LAMP
	8W PIN LIGHT (SQUARE)
	20W PENDANT LIGHT
	CONVENIENCE OUTLET
	CIRCUIT LINE
	SWITCH LINE
S-a	ONE-GANG SWITCH
S-a,b	TWO-GANG SWITCH
S-a,b,c	THREE-GANG SWITCH
3WS	THREE-WAY SWITCH



SINGLE LINE DIAGRAM

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



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

PROJECT NAME AND LOCATION
CONVERGENCE AND SPECIAL SUPPORT PROGRAM - BASIC
INFRASTRUCTURE PROGRAM (BSP) - MULTI-PURPOSE BUILDING
FACILITIES TO SUPPORT SOCIAL SERVICES -
CONSTRUCTION (COMPLETION) OF MULTI-PURPOSE BUILDING
BARANGAY BUAC SAMAY, SOGOD, SOUTHERN LEYTE

SHEET CONTENTS
ELECTRICAL NOTES
SINGLE DIAGRAM
SCHEDULE OF LOADS

DESIGNED BY
KEITH JOSE PER L. BUSABO
DATE
FEB 27 2025
PREPARED BY
JUNISME C. VILLALBA
DATE
FEB 28 2025

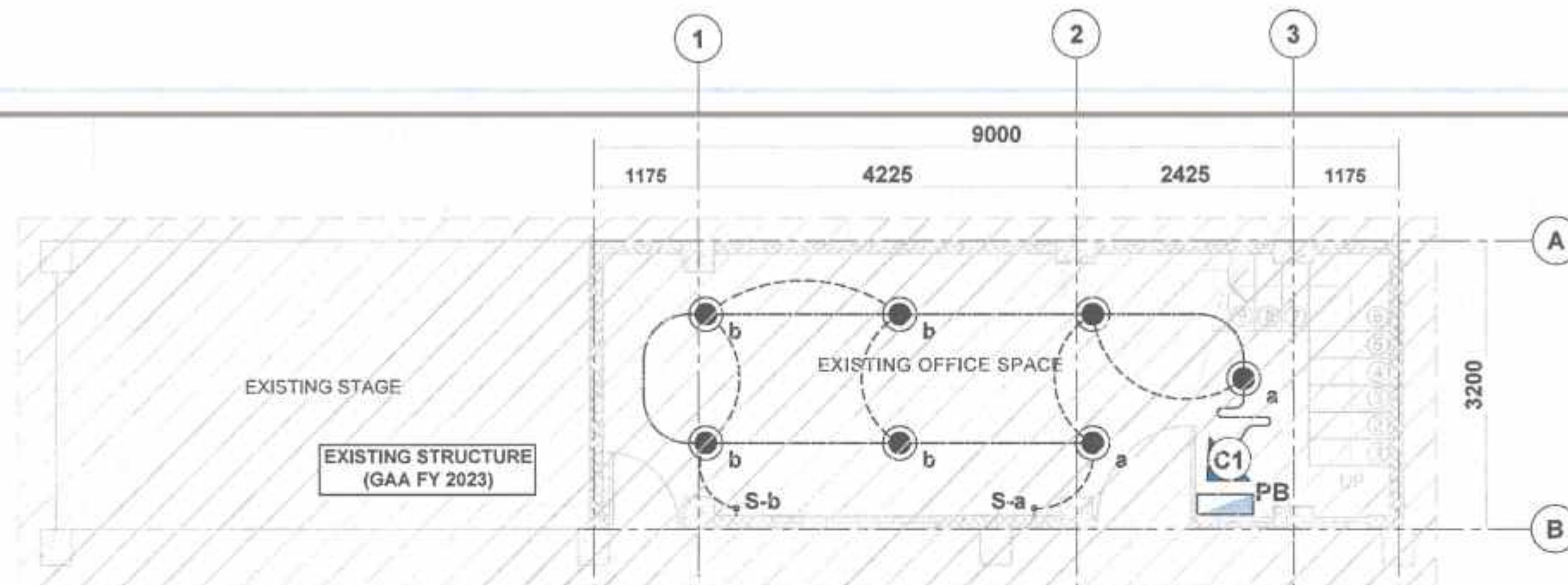
REVIEWED BY
JOSE M. BALAZAR
DATE
FEB 27 2025

SUBMITTED BY
RAINFORD C. BUIZ
DATE
FEB 27 2025

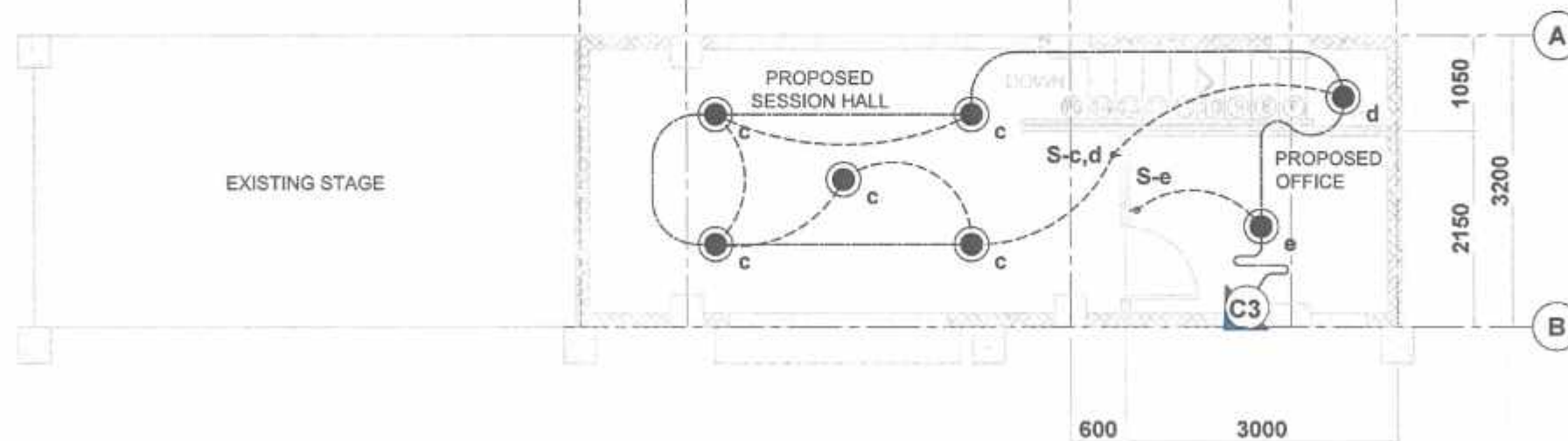
RECOMMENDED BY
EVELYN B. RAYAL
DATE
MAR 07 2025

APPROVED BY
EDUARDO V. SANTOS
DATE
MAR 07 2025

SET NO.
1
SHEET NO.
20
24



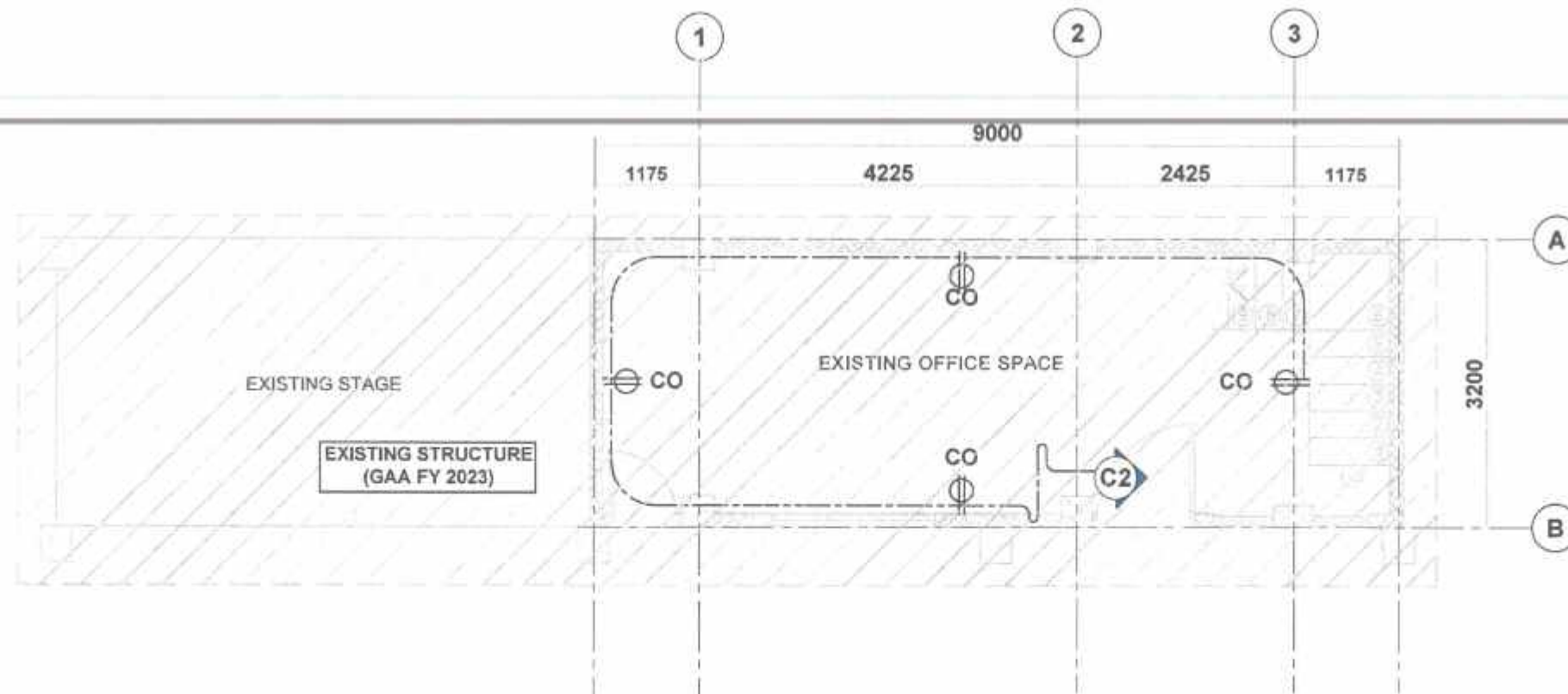
01 GROUND FLOOR LIGHTING LAYOUT
E-2 SCALE 1:50mts



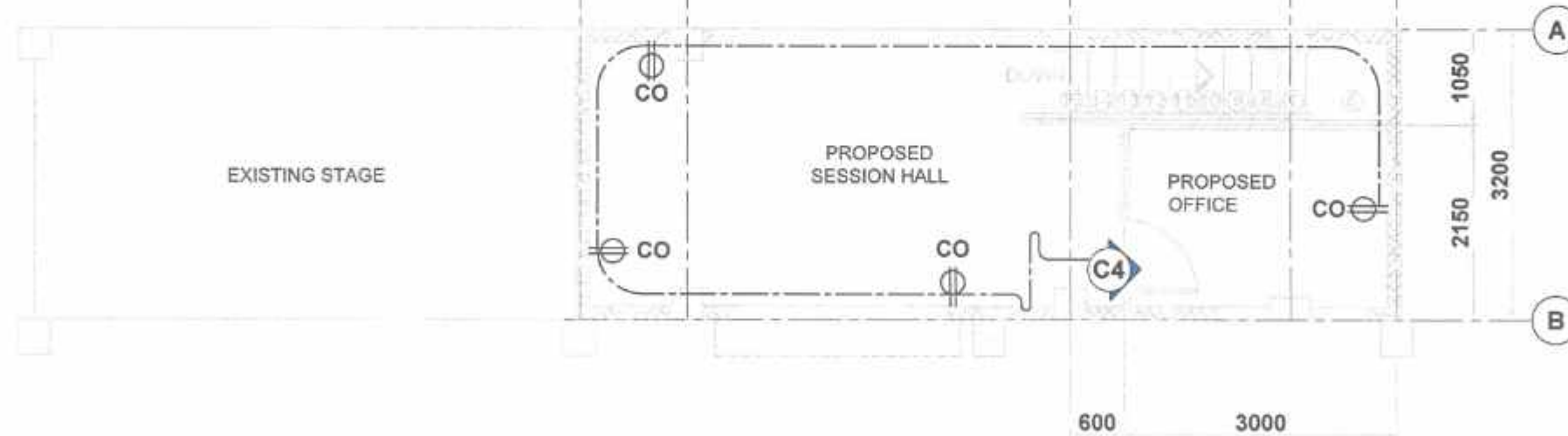
02 SECOND FLOOR LIGHTING LAYOUT
E-2 SCALE 1:50mts

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

REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGION VIII SOUTHERN LEYTE 2ND DISTRICT ENGINEERING OFFICE SOGOD, SOUTHERN LEYTE	PROJECT NAME AND LOCATION: CONVERGENCE AND SPECIAL SUPPORT PROGRAM - BASIC INFRASTRUCTURE PROGRAM (BIP) - MULTI-PURPOSE BUILDING FACILITIES TO SUPPORT SOCIAL SERVICES - CONSTRUCTION (COMPLETION) OF MULTI-PURPOSE BUILDING BARANGAY BLAC GAMAY, SOGOD, SOUTHERN LEYTE	SHEET CONTENTS GROUND FLOOR LIGHTING LAYOUT SECOND FLOOR LIGHTING LAYOUT	DRAFTED KEVIN MARCEL L. BUCAR DATE FEB 23 2025	REVIEWED JAMES A. BALTARAN DATE FEB 27 2025	SUBMITTED RAINER C. RUIZ DATE FEB 27 2025	RECOMMENDED EVELYN D. YAP DATE MAR 07 2025	APPROVED EDUARDO V. SANDOS DATE MAR 07 2025	SET NO. 2 3 SHEET NO. 21 24
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01 GROUND FLOOR POWER LAYOUT
E-3 SCALE 1:50mts



02 SECOND FLOOR POWER LAYOUT
E-3 SCALE 1:50mts

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



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

PROJECT NAME AND LOCATION
CONVERGENCE AND SPECIAL SUPPORT PROGRAM - BASIC
INFRASTRUCTURE PROGRAM (BSP) - MULTI-PURPOSE BUILDING
FACILITIES TO SUPPORT SOCIAL SERVICES
CONSTRUCTION COMPLETION OF MULTI-PURPOSE BUILDING
BARANGAY BUNG GAMAY, SOGOO, SOUTHERN LEYTE

SHEET CONTENTS
GROUND FLOOR POWER LAYOUT
SECOND FLOOR POWER LAYOUT

DRAWN BY
KEITH JASPER L. BUCAGO
DATE
FEB 23 2025

REVIEWED
JOSE A. BALTAZAR
DATE
FEB 27 2025

SUBMITTED
RAINER L. B. RUIZ
DATE
FEB 27 2025

RECOMMENDED
EVELYN D. RAS
DATE
MAR 07 2025

APPROVED
EDUARDO V. SANTOS
DATE
MAR 07 2025

SHEET NO.
E
3
3
SHEET NO.
22
24

GENERAL NOTES :

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

• DESIGN CRITERIA

i. LIVE LOAD _____ 1000Pa

ii. ALLOWABLE STRESSES

1. CONCRETE a. FOR FOOTING, BEAMS AND SLABS

$$f_c'' = 20 \text{ MPa}$$

2. CONCRETE MASONRY UNITS (LOAD BEARING CHB)

$$f_m'' = 6.90 \text{ MPa}, f_m = 2.41 \text{ MPa}$$

3. REINFORCING STEEL BARS

FOR BARS SMALLER THAN 16mmØ

$$f_y = 230 \text{ MPa}$$

4. ASSUMED ALLOWABLE BEARING CAPACITY Y = 100K

• NOTE

WATER TABLE IS 1500 BELOW GROUND LEVEL.

MASTER PLUMBER
LICENSE NO.: _____
PTR NO.: _____
DATE ISSUED NO.: _____
PLACE ISSUED : _____
T&N



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

PROJECT NAME AND LOCATION
CONVERGENCE AND SPECIAL SUPPORT PROGRAM - BASIC
INFRASTRUCTURE PROGRAM (BIP) - MULTI-PURPOSE BUILDING
FACILITIES TO SUPPORT SOCIAL SERVICES -
CONSTRUCTION (COMPLETION) OF MULTI-PURPOSE BUILDING
BARANGAY BURAC GAMAY, SOGOD, SOUTHERN LEYTE

SHEET CONTENTS
PLUMBING NOTES

DRAFTED
ALVARADO C. BRANES JR.
DATE FEB 25 2025
PREPARED
JUNOME G. VILNOSO
DATE FEB 25 2025
ENGINEER II

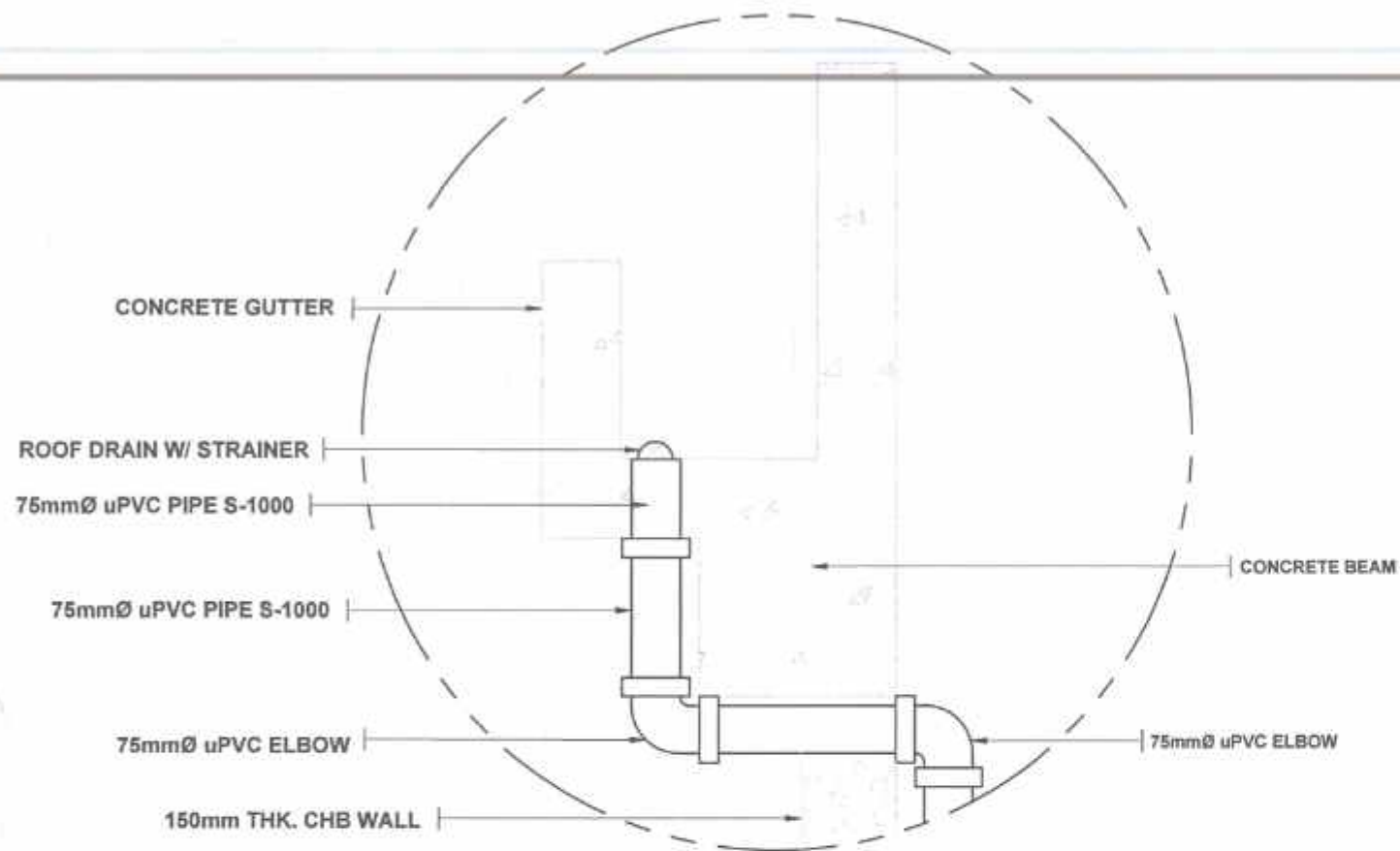
REVIEWED
JOSE R. BALAZAR
DATE FEB 27 2025
ENGINEER

SUBMITTED
RAIMONDO C. RIVERA
DATE FEB 28 2025
ENGINEER III

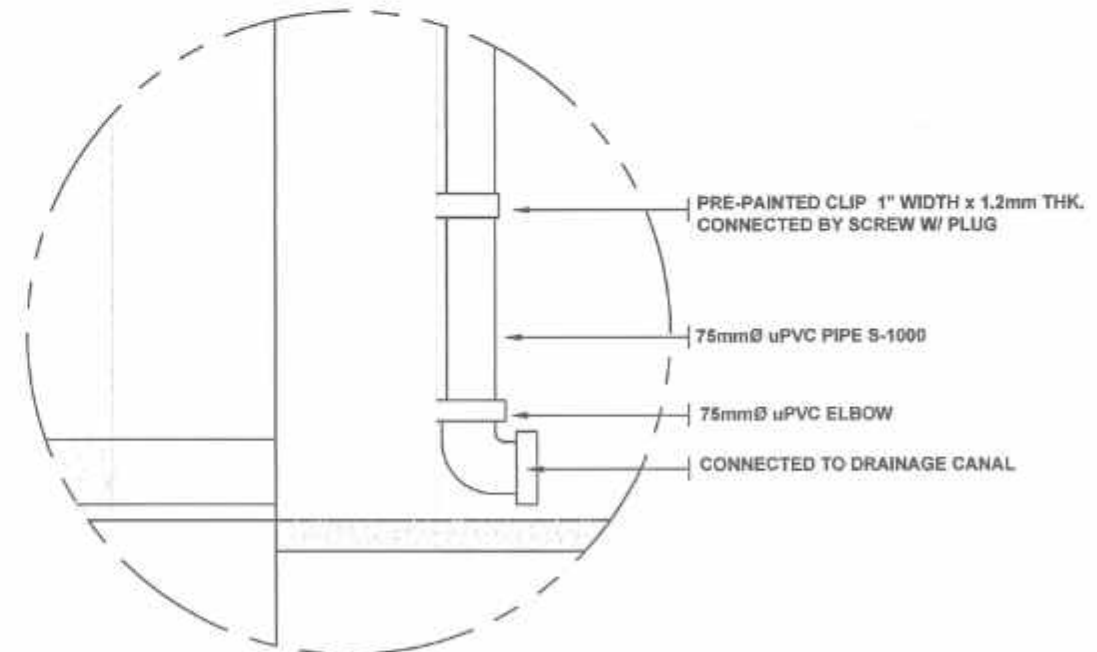
RECOMMENDED
EVERYTHING RAP
DATE MAR 07 2025
ASSISTANT DISTRICT ENGINEER

APPROVED
EDUARDO V. SANTOS
DATE MAR 07 2025
DISTRICT ENGINEER

SHEET NO.
23
SHEET NO.
24



01 uPVC PIPE DETAIL
P-2 SCALE 1:8m/s



MASTER PLUMBER
LICENSE NO.:
PTR NO.:
DATE ISSUED NO.:
PLACE ISSUED:
TAN



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGION VII
SOUTHERN LEYTE 2ND DISTRICT
ENGINEERING OFFICE
8000D, 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 MULTI-PURPOSE BUILDING
BARANGAY BUAC GAMAY, SOOOD, SOUTHERN LEYTE

SHEET CONTENTS
uPVC PIPE DETAIL

DRAFTED
ALEXANDER P. BAYAN
DATE
FEB 27 2025
PREPARED
JUNEDIE C. VINEJO
DATE
FEB 27 2025

REVIEWED
JOSE A. BALTAZAR
DATE
FEB 27 2025

SUBMITTED
RAINIER LOPEZ RUIZ
DATE
FEB 27 2025

RECOMMENDED
EDUARDO V. JAMES
DATE
MAR 07 2025

APPROVED
EDUARDO V. JAMES
DATE
MAR 07 2025

SET NO.:
SHEET NO.:
P
1 2
24
24