



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 BACULOD, HINUNDAYAN, SOUTHERN LEYTE
10.3619042° N, 125.2400635° E

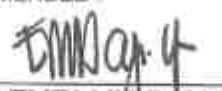
SUBMITTED


RAINIER LOU C. RUIZ
CHIEF, PLANNING & DESIGN SECTION

DATE:

FEB 10 2025

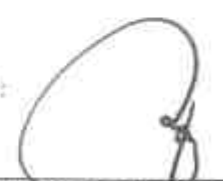
RECOMMENDED:


EVELYN D. YAP
ASSISTANT DISTRICT ENGINEER

DATE:

FEB 17 2025

APPROVED:


EDUARDO V. SANTOS
DISTRICT ENGINEER

DATE:

FEB 17 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
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 BACULOD, HINUNDAYAN, SOUTHERN LEYTE
10.3619042° N, 125.2400635° E

SPECIFICATION REFERENCE:

DPWH STANDARD SPECIFICATIONS VOLUME III 2019, BUILDINGS, PORTS & HARBORS,
FLOOD CONTROL & DRAINAGE STRUCTURES & WATER SUPPLY SYSTEM.

DPWH STANDARD SPECIFICATIONS 2013 VOLUME II, HIGHWAYS, BRIDGES AND AIRPORTS.

 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGIONAL OFFICE VIII SOUTHERN LEYTE 2 nd DISTRICT ENGINEERING OFFICE SOGOD, SOUTHERN LEYTE	PROJECT NAME AND LOCATION:	SHEET CONTENTS	DRAFTED:	REVIEWED:	SUBMITTED:	RECOMMENDED:	APPROVED:	DET NO:	SHEET NO:
	CONVERGENCE AND SPECIAL SUPPORT PROGRAM - BASIC INFRASTRUCTURE PROGRAM (BIP) - MULTI-PURPOSE BUILDING/FACILITIES TO SUPPORT SOCIAL SERVICES / CONSTRUCTION (COMPLETION) OF MULTI-PURPOSE BUILDING BARANGAY BACULOD, HINUNDAYAN, SOUTHERN LEYTE	GENERAL COVER PAGE	DATE: FEB 07 2025 DRAFTED BY: JUAN CARLOS VILLALBA ENGINEER I	DATE: FEB 10 2025 REVIEWED BY: JOSE A. BALTAZAR ENGINEER II	DATE: FEB 10 2025 SUBMITTED BY: RAINEE ANN C. DIAZ CHIEF, PLANNING & DESIGN SECTION	DATE: FEB 17 2025 RECOMMENDED BY: EVELYTA D. YAP ASSISTANT DISTRICT ENGINEER	DATE: FEB 17 2025 APPROVED BY: EDUARDO V. SANTOS DISTRICT ENGINEER	15	128



INDEX OF SHEETS			REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS OFFICE OF THE BUILDING OFFICIAL DISTRICT/MUNICIPALITY	
SHEET NO. 1	CS	CONVERGENCE AND SPECIAL SUPPORT PROGRAM - BASIC INFRASTRUCTURE PROGRAM (BIP) - MULTI-PURPOSE BUILDING/FACILITIES TO SUPPORT SOCIAL SERVICES - CONSTRUCTION (COMPLETION) OF MULTI-PURPOSE BUILDING		
SHEET NO. 2	CS	PERSPECTIVE, INDEX OF SHEETS		
SHEET NO. 3	CS	LOCATION MAP	LAND USE & ZONING	
SHEET NO. 4	CS	OTHER GENERAL REQUIREMENTS		
SHEET NO. 5	CS	SUMMARY OF QUANTITIES	BUILDING OFFICIAL _____ DATE _____	
ARCHITECTURAL			LINE & GRADE	
SHEET NO. 6	A1	GROUND FLOOR PLAN		
SHEET NO. 7	A2	CANOPY PLAN	BUILDING OFFICIAL _____ DATE _____	
SHEET NO. 8	A3	ROOF PLAN (EXISTING)	ARCHITECTURAL	
SHEET NO. 9	A4	FRONT ELEVATION		
SHEET NO. 10	A5	REAR ELEVATION	BUILDING OFFICIAL _____ DATE _____	
SHEET NO. 11	A6	LEFT SIDE ELEVATION	CIVIL/STRUCTURAL	
SHEET NO. 12	A7	RIGHT SIDE ELEVATION		
SHEET NO. 13	A8	CROSS SECTION	BUILDING OFFICIAL _____ DATE _____	
SHEET NO. 14	A9	LONGITUDINAL SECTION	ELECTRICAL	
SHEET NO. 15	A10	ROOF SIDING COVER, ROOF SIDING FRAME		
SHEET NO. 16	A11	STEEL MATTING RAILING DETAILS	BUILDING OFFICIAL _____ DATE _____	
SHEET NO. 17	A12	BILLBOARDS	MECHANICAL	
STRUCTURAL				
SHEET NO. 18	S1	STRUCTURAL NOTES	BUILDING OFFICIAL _____ DATE _____	
SHEET NO. 19	S2	STRUCTURAL NOTES	SANITARY	
SHEET NO. 20	S3	FOUNDATION PLAN		
SHEET NO. 21	S4	TYPICAL COLUMN DETAILS, SCHED OF COLUMN	BUILDING OFFICIAL _____ DATE _____	
SHEET NO. 22	S5	STEEL BEAM FRAMING PLAN	PLUMBING	
SHEET NO. 23	S6	ROOF FRAMING PLAN		
SHEET NO. 24	S7	STEEL TRUSS DETAIL, SB-1 DETAILS	BUILDING OFFICIAL _____ DATE _____	
SHEET NO. 25	S8	TYPICAL ROOF CONNECTION DETAILS	ELECTRONICS	
PLUMBING				
SHEET NO. 26	P1	PLUMBING NOTES, TYPICAL DETAILS	BUILDING OFFICIAL _____ DATE _____	
SHEET NO. 27	P2	GROUND FLOOR STORM DRAINAGE LAYOUT	GEODETIC ENGINEER	
SHEET NO. 28	P3	ROOF STORM DRAINAGE LAYOUT		
			BUILDING OFFICIAL _____ DATE _____	

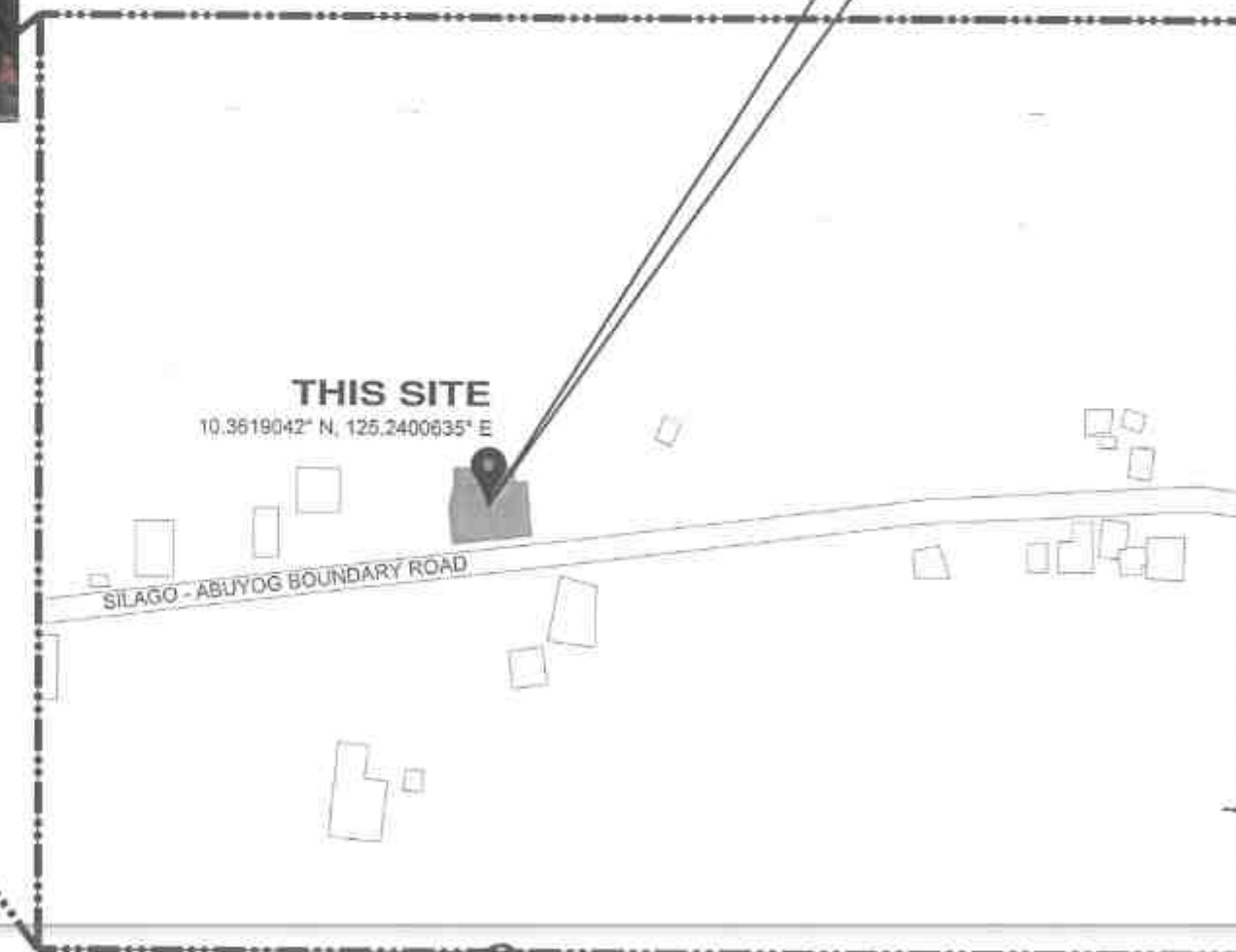
REVIEWED	SUBMITTED	RECOMMENDED	APPROVED	SET NO.	SHEET NO.
JOSEPH B. BAYAN ENGINEER FEB 10 2025	RAINIER P. C. RUIZ CHIEF, DESIGN & CONSTRUCTION FEB 10 2025	EVELYN G. MAP ASSISTANT DISTRICT ENGINEER FEB 10 2025	EDUARDO V. SANTOS DISTRICT ENGINEER FEB 17 2025	1	2



CONVERGENCE AND SPECIAL SUPPORT PROGRAM - BASIC INFRASTRUCTURE PROGRAM (BIP)
 - MULTI-PURPOSE BUILDING/FACILITIES TO SUPPORT SOCIAL SERVICES -
 CONSTRUCTION (COMPLETION) OF MULTI-PURPOSE BUILDING BARANGAY BACULOD, HINUNDAYAN, SOUTHERN LEYTE
 10.3619042° N, 125.2400635° E



SOUTHERN LEYTE MAP



LOCATION MAP

LOCATION MAP



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

PROJECT NAME AND LOCATION
 CONVERGENCE AND SPECIAL SUPPORT PROGRAM - BASIC INFRASTRUCTURE PROGRAM (BIP)
 - MULTI-PURPOSE BUILDFACILITIES TO SUPPORT SOCIAL SERVICES - CONSTRUCTION (COMPLETION) OF MULTI-PURPOSE BUILDING
 BARANGAY BACULOD, HINUNDAYAN, SOUTHERN LEYTE

SHEET CONTENTS
 LOCATION MAP

DRAFTED: *[Signature]*
 DATE: FEB 07 2025
 PREPARED: *[Signature]*
 DATE: FEB 07 2025

REVIEWED: *[Signature]*
 DATE: FEB 10 2025

SUBMITTED: *[Signature]*
 DATE: FEB 10 2025

RECOMMENDED: *[Signature]*
 DATE: FEB 10 2025

APPROVED: *[Signature]*
 DATE: FEB 17 2025

SHEET NO. 3
 SHEET NO. 23

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 TARPULIN 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:

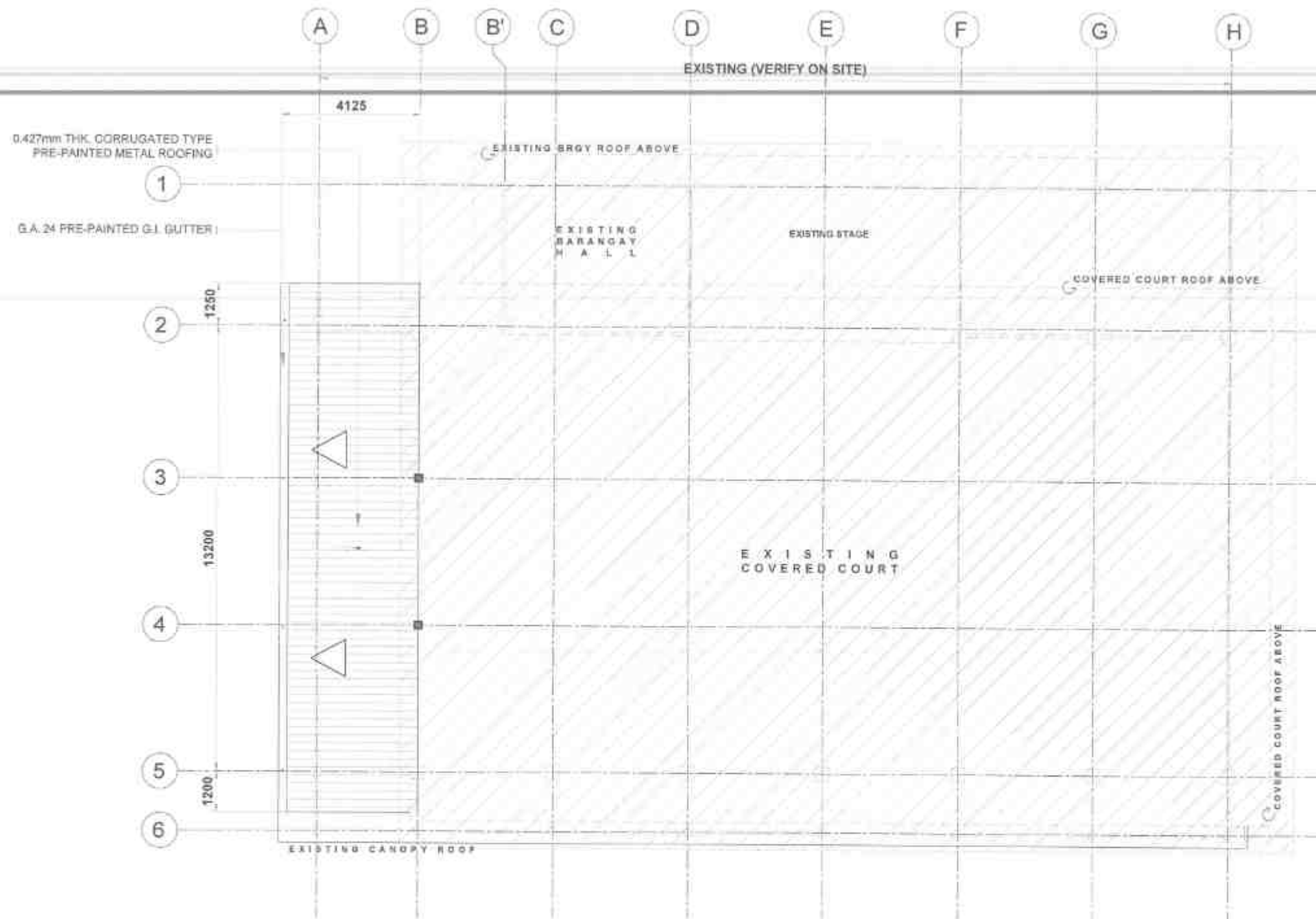
1. COMPOSITION OF THE SAFETY AND HEALTH PERSONNEL RESPONSIBLE FOR THE PROPER IMPLEMENTATION OF CSHP.
2. SPECIFIC SAFETY POLITIES WHICH SHALL BE UNDERTAKEN IN THE CONSTRUCTION SITE, INCLUDING FREQUENCY OF AND PERSONS RESPONSIBLE FOR CONDUCTING TOOLBOX AND GANG MEETINGS.
3. PENALTIES AND SANCTIONS FOR 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 VIII SOUTHERN LEYTE 2 ND DISTRICT ENGINEERING OFFICE 8000S 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 BIRIBIRAY BACULOD, BIRIBIRAY, SOUTHERN LEYTE	SHEET CONTENTS OTHER GENERAL REQUIREMENTS	DRAWN BY HEAVY ENGINEERING DATE JANUARY 10, 2025	REVIEWED BY JOSE A. BALTAZAR ENGINEER I DATE FEB 11 2025	SUBMITTED BY RAINIERA B. BACULOD CHIEF PLANNING & DESIGN SECTION DATE FEB 10 2025	RECOMMENDED BY EDUARDO V. SANTOS ASSISTANT DISTRICT ENGINEER DATE FEB 17 2025	APPROVED BY EDUARDO V. SANTOS DISTRICT ENGINEER DATE FEB 17 2025	SET NO. 4	SHEET NO. 28

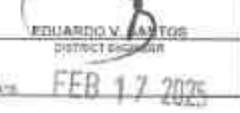
SUMMARY OF QUANTITIES

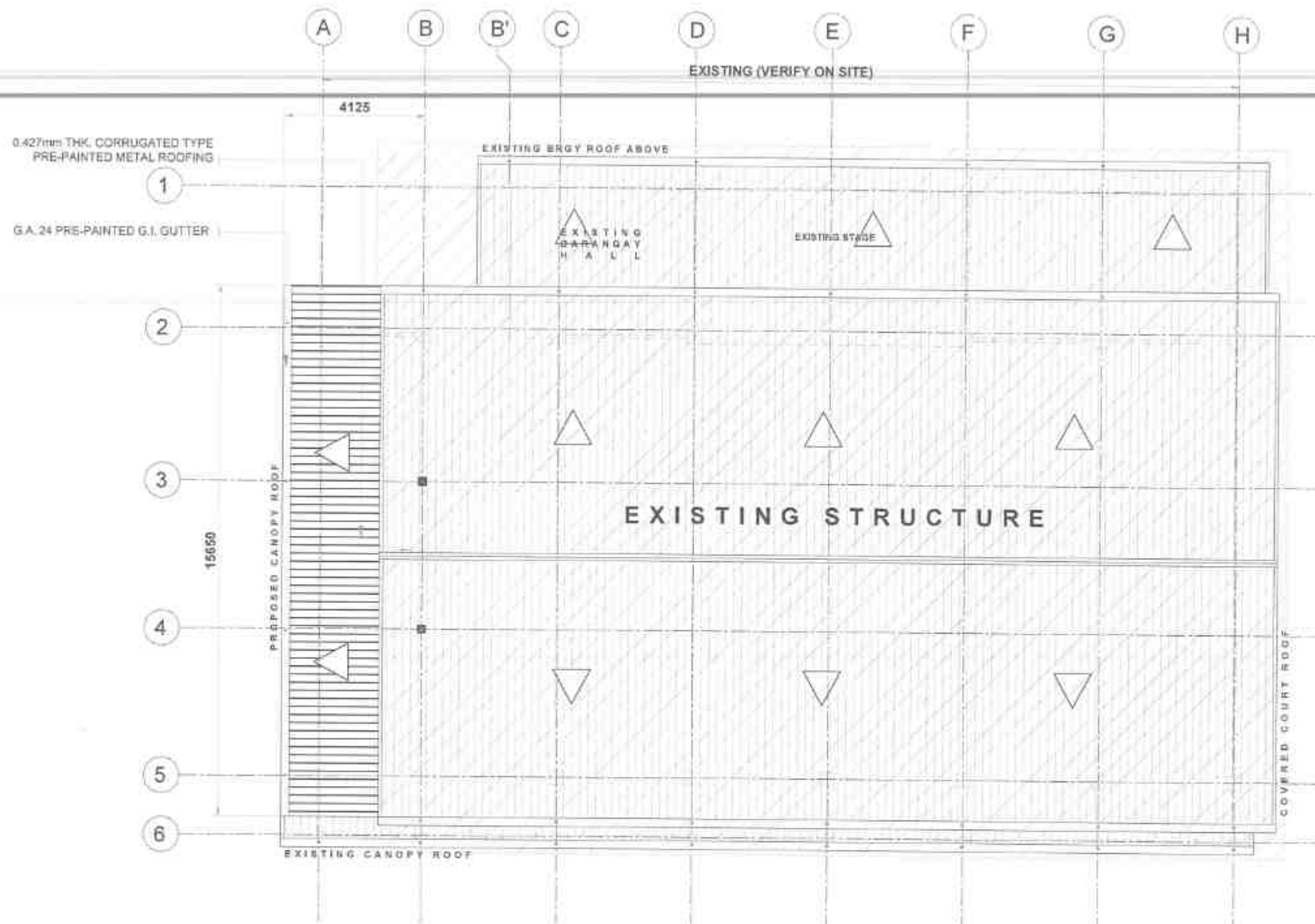
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
Part B OTHER GENERAL REQUIREMENTS - Blue Book Vol. III			
B.3(1)	Permits and Clearances	1.00	Ls
B.5 (1)	Project Billboard / Signboard	4.00	Each
B.7 (1)	Occupational Safety and Health	1.00	Ls
B.9 (1)	Mobilization / Demobilization	1.00	Ls
PART C EARTHWORK - Blue Book Vol. III, Part III, Division I - General			
801(1)	Removal of Structure and Obstruction	1.00	Ls
803 (1)a	Structure Excavation (Common Soil)	7.00	Cu.m.
804 (1)a	Embankment from Roadway/Structure Excavation (Common Soil)	7.00	Cu.m.
804 (7)	Gravel Fill	1.00	Cu.m.
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)	3.00	Cu.m.
901 (1)	Lean Concrete	0.50	Cu.m.
902 (1)a1	Reinforcing Steel (Deformed), Grade 40	371.00	Kg.
903(1)	Formworks and Falseworks	1.00	LS
PART E FINISHING & OTHER CIVIL WORKS - Blue Book Vol. III, Part III, Division II - Buildings			
Storm Drainage and Sewerage System			
1001 (6)	Catch Basin	1.00	Ls
1001 (9)	Storm Drainage and Downspout	1.00	Ls
Corrugated Roofing			
1013 (2)b	Fabricated Metal Roofing Accessory gauge 26 (0.551mm), Flashings	32.00	Ln.m
1013 (2)c	Fabricated Metal Roofing Accessory, gauge 24 (0.701 mm), Gutters	16.00	Ln.m
Prepainted Metal Sheets			
1014(1)a2	Prepainted Metal Sheets, above 0.427 mm, Corrugated Type, Long Span	108.00	Sq.m
Painting, Varnishing and Other Related Works			
1032 (1)a	Painting Works (Masonry/Concrete)	550.00	Sq.m.
1032 (1)c	Painting Works Steel	329.00	Sq.m.
Metal Structure			
1047(3)	Metal Structure Accessories	1.00	L.S.
1047 (8)a	Structural Steel, Trusses	2,093.00	Kgs.
1047 (8)b	Structural Steel, Purlins	571.00	Kgs.
1047 (5)b	Metal Structure Accessories, Sagrods	13.10	Kgs.
1047 (4)a	Metal Structure Accessories,Bolts and Rods	8.00	Each
1047 (5)d	Metal Structure Accessories, Steel Plates	29.00	Kgs.

	REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGION VIII SOUTHERN LEYTE 2ND DISTRICT ENGINEERING OFFICE 30002 SOUTHERN LEYTE	PROJECT NAME AND LOCATION CONVENIENCE AND SPECIAL SUPPORT PROGRAM BASIC INFRASTRUCTURE PROGRAM (BIP) - MULTIPURPOSE BUS/TERMINALITIES TO SUPPORT SOCIAL SERVICES - CONSTRUCTION (COMPLETION) OF MULTIPURPOSE BUILDING BARKINDAY BACOLOD, MUNDAYAN, SOUTHERN LEYTE	SHEET CONTENTS SUMMARY OF QUANTITIES	DRAFTED HEAVY INFRASTRUCTURE DATE: FEB 07 2025 PREPARED JENNIFER C. VALERO DATE: FEB 07 2025	REVISIONS DATE: FEB 11 2025	SUBMITTED RAINESE M. C. TOLIZ CHIEF, PLANNING & DESIGN SECTION DATE: FEB 10 2025	RECOMMENDED EDUARDO V. SANTOS ASSISTANT DISTRICT ENGINEER DATE: FEB 17 2025	APPROVED EDUARDO V. SANTOS DISTRICT ENGINEER DATE: FEB 17 2025	SET NO. - 5	SHEET NO. 5 28



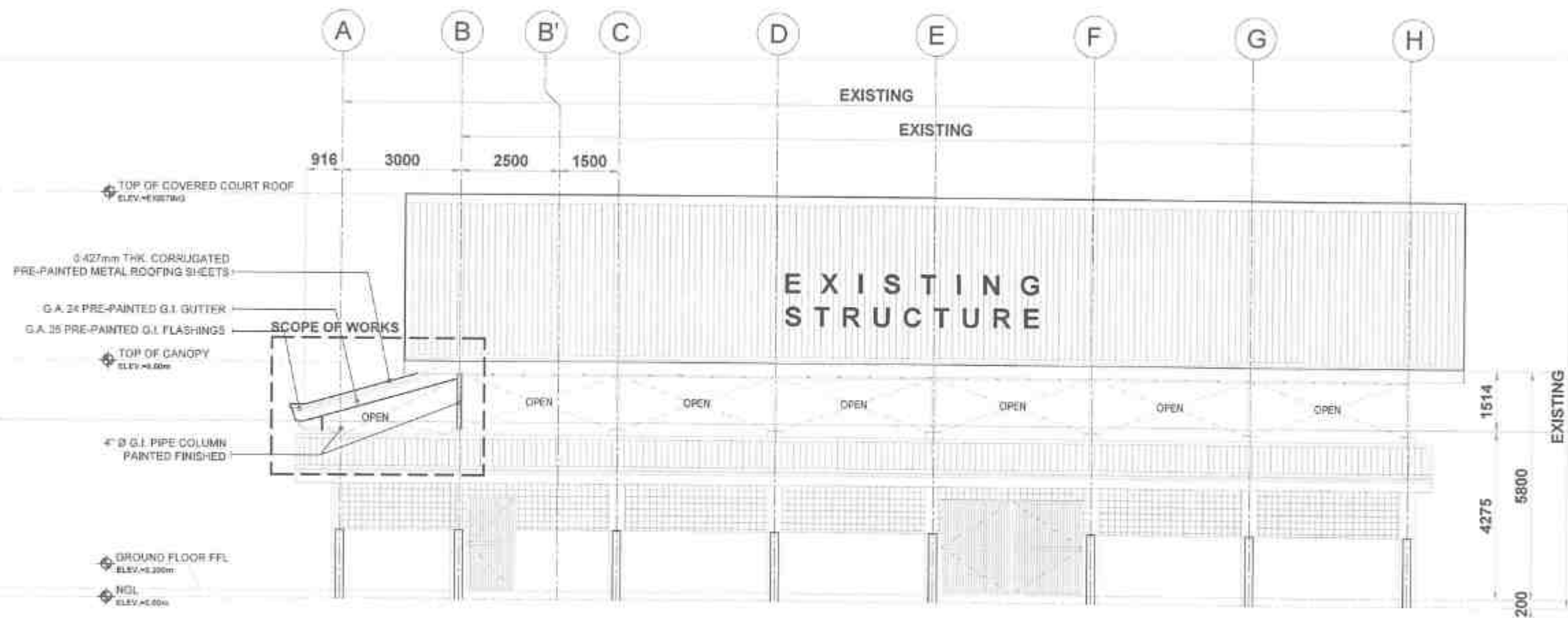
01 CANOPY PLAN
SCALE 1:100

 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGION VII SOUTHERN LEYTE 2ND DISTRICT ENGINEERING OFFICE BAGO, SOUTHERN LEYTE	PROJECT NAME AND LOCATION CONDUCE AND SPECIAL SUPPORT PROGRAM - BASIC INFRASTRUCTURE PROGRAM (BIP) - MULTI-PURPOSE BUILDING FACILITIES TO SUPPORT SOCIAL SERVICES - CONSTRUCTION (COMPLETION) OF MULTI-PURPOSE BUILDING BARANGAY BAGO, BAGO, SOUTHERN LEYTE	SHEET CONTENTS CANOPY PLAN	DRAFTED:  DATE: FEB 07 2025 PREPARED:  DATE: FEB 07 2025	REVIEWED:  DATE: FEB 10 2025 CHECKED:  DATE: FEB 10 2025	SUBMITTED:  DATE: FEB 10 2025 RECOMMENDED:  DATE: FEB 10 2025	APPROVED:  DATE: FEB 10 2025 RECOMMENDED:  DATE: FEB 10 2025	APPROVED:  DATE: FEB 17 2025 RECOMMENDED:  DATE: FEB 17 2025	SHEET NO. 7
--	--	--	---	---	--	---	---	---------------------------



01 ROOF PLAN (EXISTING)
A-3 SCALE 1:125 mm

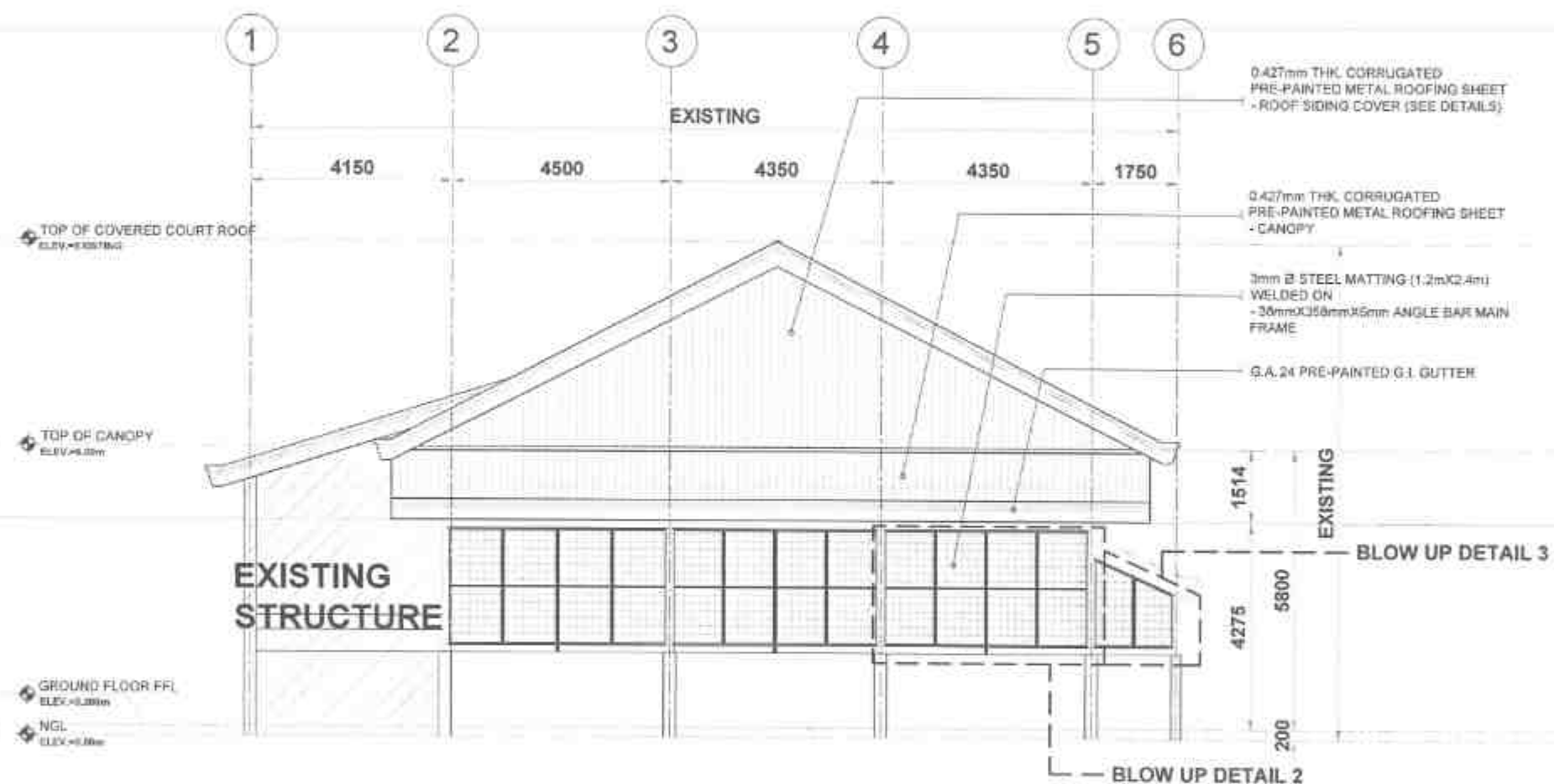
 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGION VII SOUTHERN LEYTE 2ND DISTRICT ENGINEERING OFFICE 8000 SOUTHERN LEYTE	PROJECT NAME AND LOCATION CONVERGENCE AND SPECIAL SUPPORT PROGRAM BANK INFRASTRUCTURE PROGRAM (BIP) - MULTI-PURPOSE BUILDING FACILITIES TO SUPPORT SOCIAL SERVICES - CONSTRUCTION COMPLETION OF MULTI-PURPOSE BUILDINGS BARANGAY BACORIO, HINOHAYEN, SOUTHERN LEYTE	SHEET CONTENTS ROOF PLAN (EXISTING)	DRAWN BY HEAVY B. GARCIA DATE: FEB 10 2025 PROJECT NO. 1 DATE: FEB 17 2025	REVIEWED BY JOSE A. BALTAZAR DATE: FEB 10 2025	SUBMITTED BY RAMON L. C. RUIZ DATE: FEB 17 2025	RECOMMENDED BY EDUARDO V. SANTOS DATE: FEB 17 2025	APPROVED BY EDUARDO V. SANTOS DATE: FEB 17 2025	SHEET NO. 8
---	---	---	--	--	---	--	---	---------------------------



01 FRONT ELEVATION
A-4 SCALE: 1/8"=1'-0"

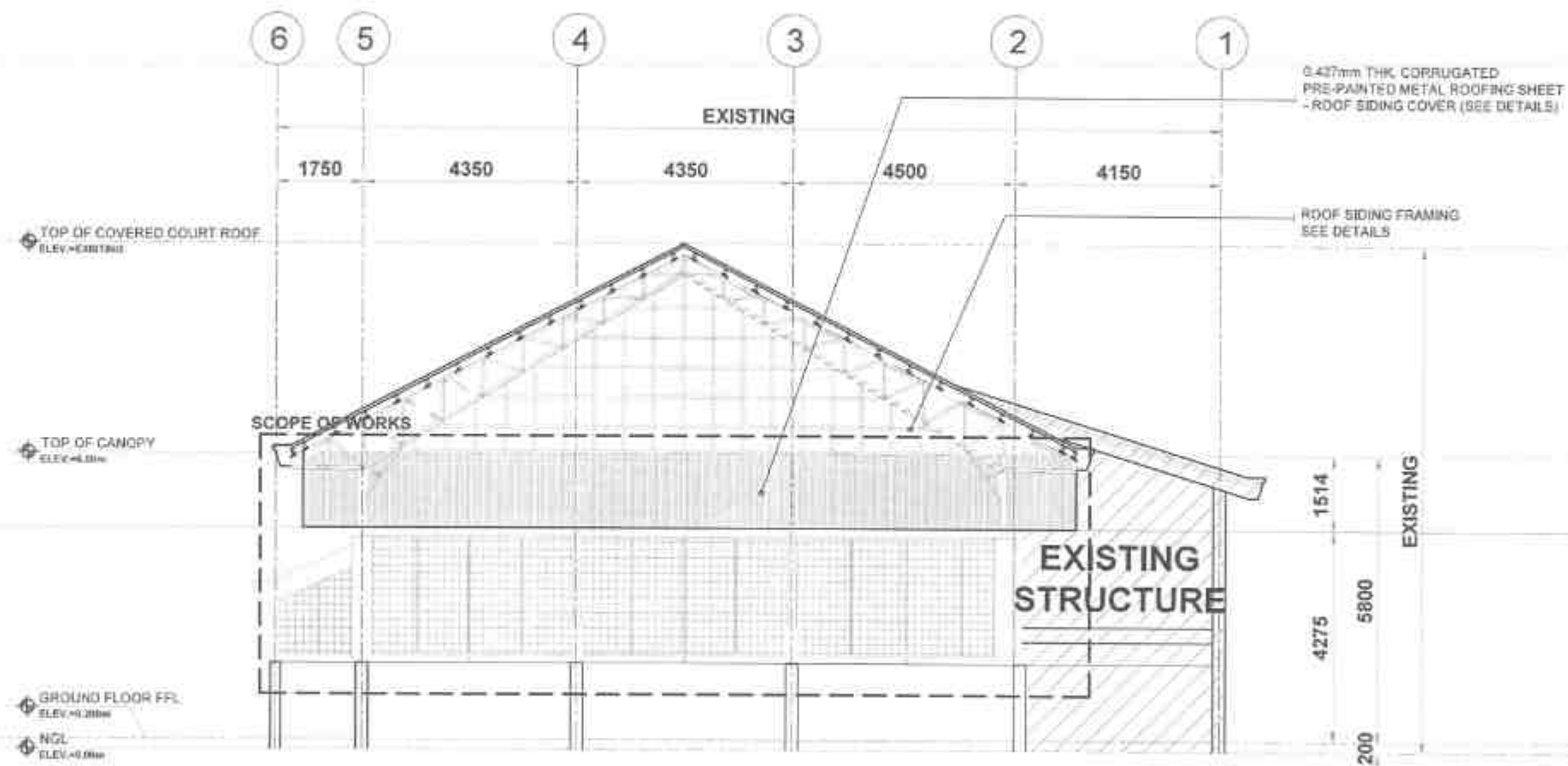
 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGION VIII SOUTHERN LEYTE 2ND DISTRICT ENGINEERING OFFICE 88000, SOUTHERN LEYTE	PROJECT NAME AND LOCATION CONVERGENCE AND SPECIAL SUPPORT PROGRAM - BASIC INFRASTRUCTURE PROGRAM (BIP) - MULTI-PURPOSE BUILDING FACILITIES TO SUPPORT SOCIAL SERVICES - CONSTRUCTION COMPLETION OF MULTI-PURPOSE BUILDING KANABAY NAGOLDEL, HINUNGAN, SOUTHERN LEYTE	SHEET CONTENTS FRONT ELEVATION	DRAWN BY: KEAVIN MOERA DATE: FEB 10 2025 PROPOSED BY: JONRUEL C. ALONSO DATE: FEB 07 2025	REVIEWED BY: JOSE R. BATAZAR DATE: FEB 10 2025	SUBMITTED BY: RAIMON L. C. RUIZ DATE: FEB 10 2025	RECOMMENDED BY: EVELYN S. SANTIAGO DATE: FEB 17 2025	APPROVED BY: EDUARDO V. SANTOS DATE: FEB 17 2025	SET NO. 4 SHEET NO. 12
---	---	--	---	---	--	---	---	--------------------------------------





01 LEFT SIDE ELEVATION
A-S SCALE 1/50 RED

 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) - MULTI-PURPOSE BUILDING FACILITIES TO SUPPORT SOCIAL SERVICES - (CONSTRUCTION COMPLETION) OF MULTI-PURPOSE BUILDING BARBICAY SACULOS, BRUNDAKAL, SOUTHERN LEYTE	SHEET CONTENTS LEFT SIDE ELEVATION	DRAWN BY HEAVY INFRASTRUCTURE DATE FEB 07 2025 PREPARED BY JUANOME C. VILLANO ENGINEER DATE FEB 07 2025	REVIEWED BY JOSE A. BASTARDE CHECKED BY DATE FEB 10 2025	SUBMITTED BY RAINOLD C. RUE CHIEF PLANNING & DESIGN SECTION DATE FEB 10 2025	RECOMMENDED BY EVELYN B. YAP ASSISTANT DISTRICT ENGINEER DATE FEB 17 2025	APPROVED BY EDUARDO V. SANTOS DISTRICT ENGINEER DATE FEB 17 2025	SET NO. A SHEET NO. 11 12 28
--	--	---	--	---	---	--	---	---



01 RIGHT SIDE ELEVATION
8-7 SCALE 1:50



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGION VIII
SOUTHERN LEYTE 2ND DISTRICT
ENGINEERING OFFICE
00000 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 BACOLOD, BUNAYAN, SOUTHERN LEYTE

SHEET CONTENTS
RIGHT SIDE ELEVATION

DRAFTED
REYVA L. ANDERSON
ARCHITECT
DATE: FEB 07 2025

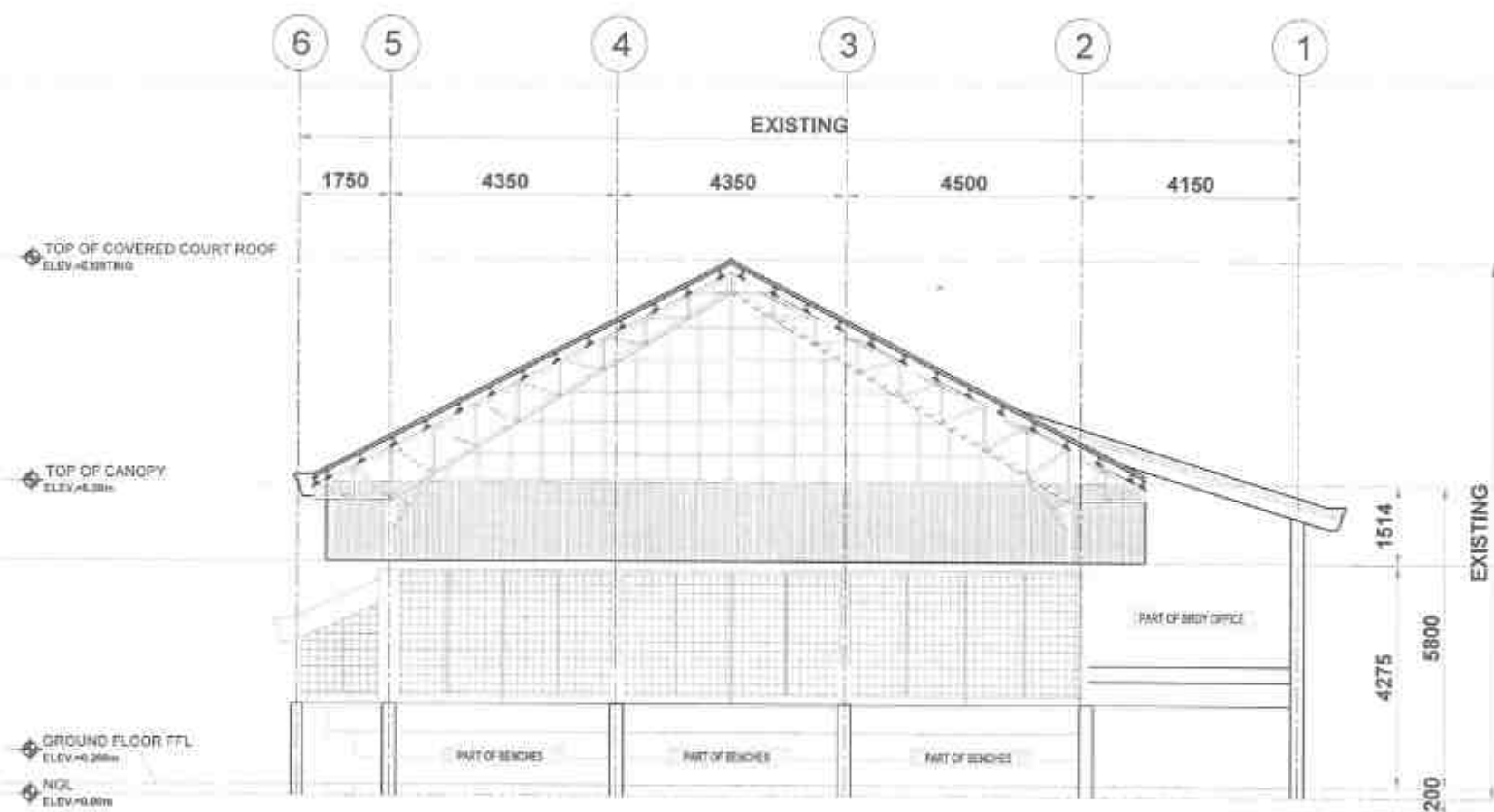
REVIEWED
JOSE R. BALAZON
ENGINEER
DATE: FEB 10 2025

SUBMITTED
RAIMON LOU C. LUZ
SENIOR PLANNING & DESIGN SECTION
DATE: FEB 10 2025

RECOMMENDED
EVELYN A. YAP
HARSHANT DISTRICT ENGINEER
DATE: FEB 17 2025

APPROVED
EDUARDO V. SANTOS
DISTRICT ENGINEER
DATE: FEB 17 2025

SET NO. A
SHEET NO. 12



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 SERVICES - CONSTRUCTION (COMPLETION)
OF MULTI-PURPOSE BUILDING
BANAWEY, BACUOG, MINDAVAO, SOUTHERN LEYTE

SHEET CONTENTS
CROSS SECTION

DRAWN BY
HEAVY INFRASTRUCTURE
DATE
PREPARED BY
JUAN CARLOS C. VILLASO
ENGINEER II
DATE
FEB 07 2025

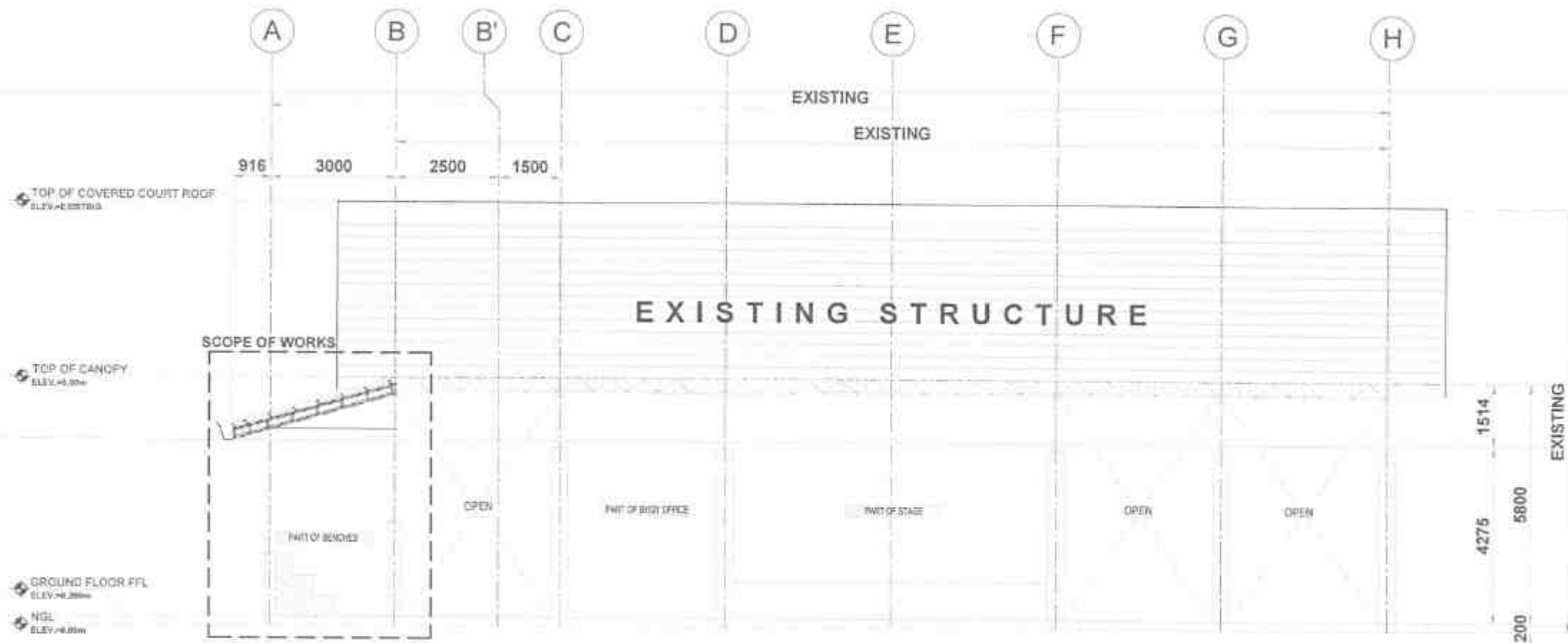
REVIEWED BY
JOSE A. MALTAZAR
ENGINEER I
DATE
FEB 10 2025

SUBMITTED BY
RAINIER LOO G. RUIZ
CHIEF PLANNING & DESIGN SECTION
DATE
FEB 10 2025

RECOMMENDED BY
EVELYN D. LAYAN
ASSISTANT DISTRICT ENGINEER
DATE
FEB 10 2025

APPROVED BY
EDUARDO V. SANTOS
DISTRICT ENGINEER
DATE
FEB 17 2025

SET NO
A
SHEET NO
13
28



01 LONGITUDINAL SECTION
A-N SCALE 1/8" = 1'-0"



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGION VI
SOUTHERN LEYTE 2ND DISTRICT
ENGINEERING OFFICE
33000 SOUTHERN LEYTE

PROJECT NAME AND LOCATION
CONVERGENCE AND SPECIAL SUPPLY PROGRAM
(CASS) INFRASTRUCTURE PROGRAM (CIP)
- MULTIPURPOSE BUILDING FACILITY TO SUPPORT
SOCIAL SERVICES - CONSTRUCTION COMPLETION
OF MULTIPURPOSE BUILDING
BARANGAY BACULOD, HINUNYARAN, SOUTHERN LEYTE

SHEET CONTENTS
LONGITUDINAL SECTION

DRAWN BY
JENNIFER C. VILLALBA
DATE
FEB 07 2025

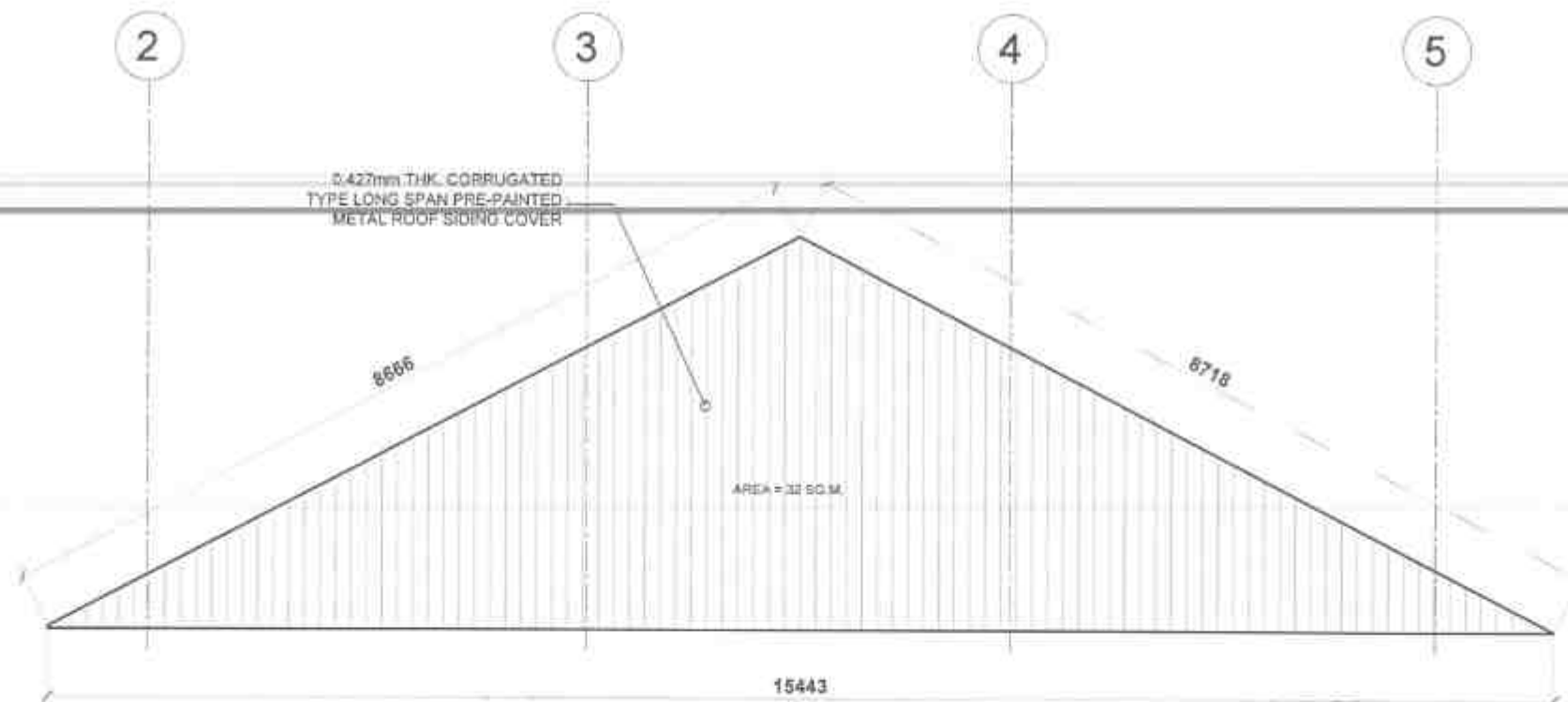
REVIEWED BY
JOSE A. BALTAZAR
DATE
FEB 10 2025

SUBMITTED BY
RAINIER LOU G. SUZ
DATE
FEB 10 2025

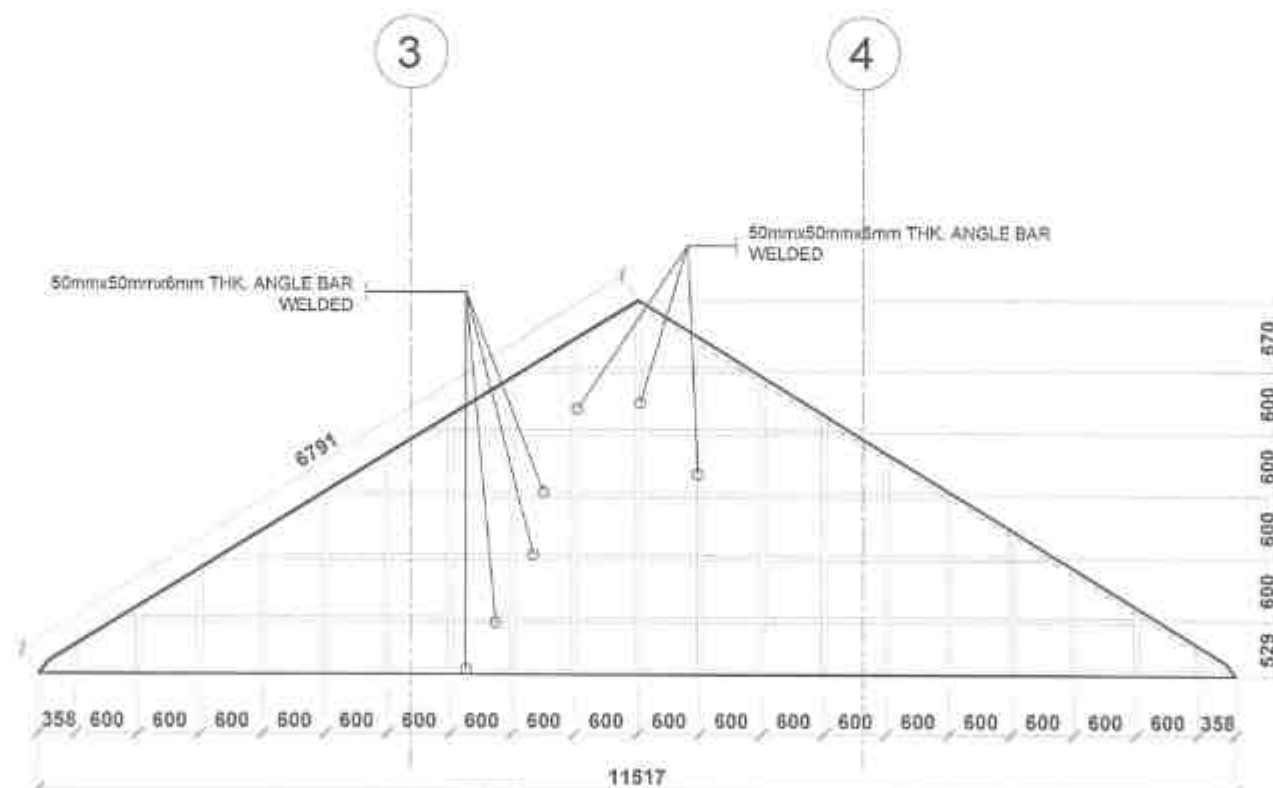
RECOMMENDED BY
EVELYN D. YAP
DATE
FEB 10 2025

APPROVED BY
EDUARDO V. SANTOS
DATE
FEB 17 2025

SET NO. 14
SHEET NO. 28

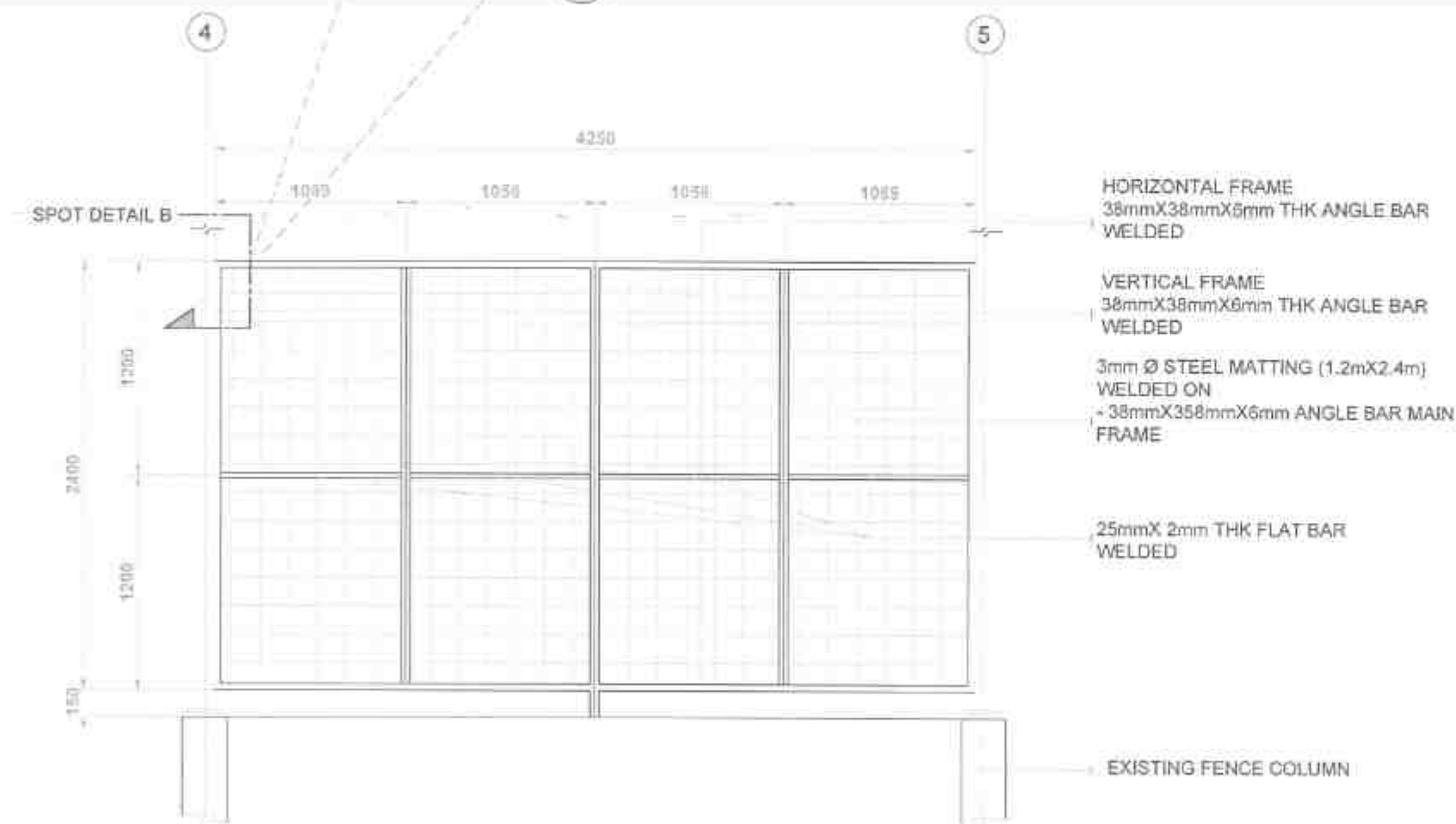
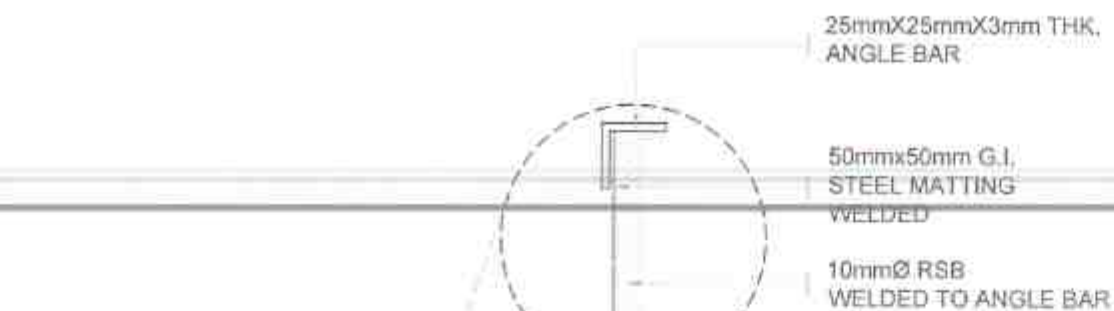


01 ROOF SIDING COVER
SCALE 1:50 mm

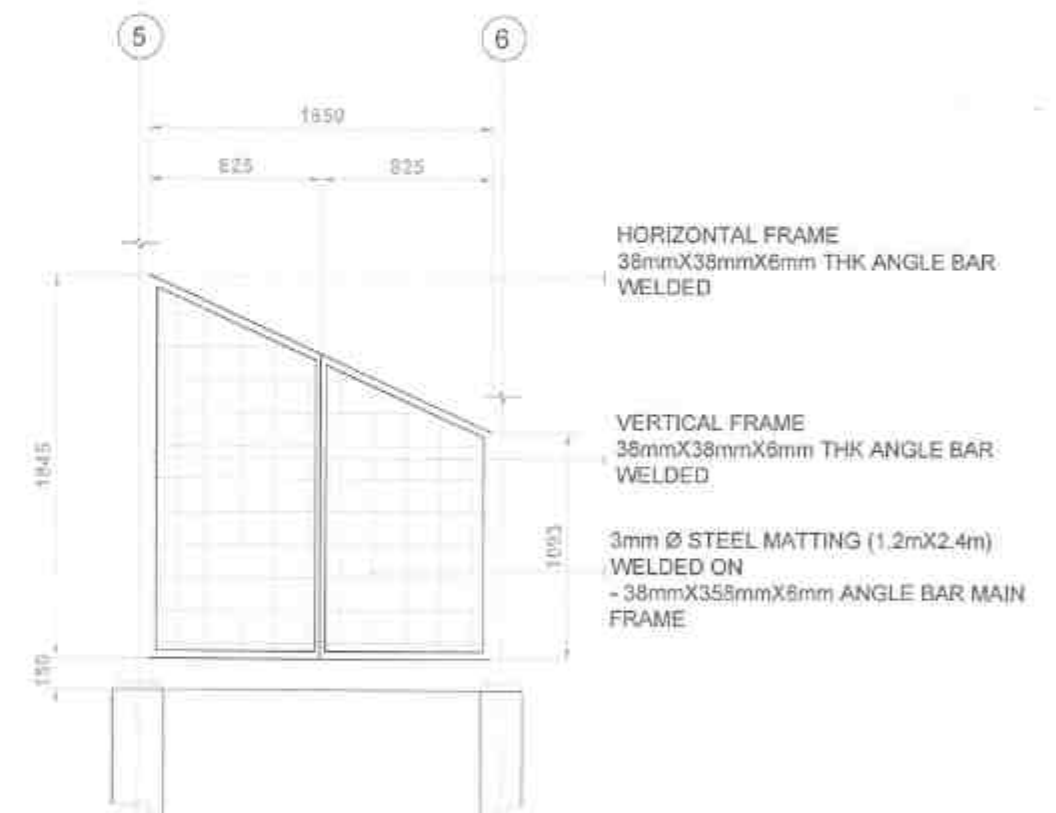


02 ROOF SIDING FRAME
SCALE 1:50 mm

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 (BIP) - MULTI-PURPOSE BLDG. FACILITIES TO SUPPORT SOCIAL SERVICES - CONSTRUCTION COMPLETION OF MULTI-PURPOSE BUILDINGS BRANDAY BACULOG, MINURAYAN, SOUTHERN LEYTE	SHEET CONTENTS ROOF SIDING COVER ROOF SIDING FRAME	DRAWN BY: JUVENILE C. W. L. S. J. O. DATE: FEB 07 2025	REVIEWED BY: SHEILA B. YAZAR DATE: FEB 10 2025	SUBMITTED BY: RAINIER L. O. R. O. Z. DATE: FEB 10 2025	RECOMMENDED BY: EVELYN D. T. A. R. DATE: FEB 10 2025	APPROVED BY: EDUARDO V. RAMOS DATE: FEB 17 2025	SET NO. 10 SHEET NO. 15
--	---	--	--	--	--	--	---	---------------------------------------



BLOW-UP DETAIL 2



BLOW-UP DETAIL 3

01 STEEL MATTING RAILING DETAILS
A-11 SCALE 1:25 mm



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGION 10
SOUTHERN LEYTE 2ND DISTRICT
ENGINEERING OFFICE
SOCCO, SOUTHERN LEYTE

PROJECT NAME AND LOCATION
CONVERGENCE AND SPECIAL SUPPORT PROGRAM
- BASIC INFRASTRUCTURE PROGRAM (BIP)
- MULTIPURPOSE BUILDING FACILITIES TO SUPPORT
SOCIAL SERVICES - CONSTRUCTION COMPLETION
BY MULTIPURPOSE BUILDINGS
BARANGAY BACLOO, HINOHAYAN, SOUTHERN LEYTE

SHEET CONTENTS
STEEL MATTING RAILING DETAILS

DRAWN BY
JIMMY M. BARRERA
DATE: FEB 17 2025

REVIEWED BY
JOSE A. BARRERA
DATE: FEB 10 2025

SUBMITTED BY
JIMMY M. BARRERA
DATE: FEB 10 2025

RECOMMENDED BY
EVELYN D. YAP
DATE: FEB 17 2025

APPROVED BY
EDUARDO V. SANTOS
DATE: FEB 17 2025

SET NO. A
SHEET NO. 18
11 12 28

CONSTRUCTION GENERAL NOTES

A. GENERAL

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

2. SHOP DRAWINGS WITH ERECTION & PLACING DIAGRAM OF ALL STRUCTURAL STEEL, MISCELLANEOUS IRON, PRE-CAST CONCRETE ETC. SHALL BE SUBMITTED FOR ENGINEER'S APPROVAL BEFORE FABRICATION.

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 $f_c = 3500$ psi or 24Mpa.

5. FOOTING REINFORCEMENT SHALL BE GRADE 60 or $f_y = 60\ 000$ psi / 414 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
80000 SOUTHERN LEYTE

PROJECT NAME AND LOCATION
CONSULGENCE AND SPECIAL SUPPORT PROGRAM
- BASIC INFRASTRUCTURE PROGRAM (BIP)
- MULTI-PURPOSE BUILDING/FACILITIES TO SUPPORT
SOCIAL SERVICES - CONSTRUCTION/COMPLETION
OF MULTI-PURPOSE BUILDING
BARANGAY BAGULU, HINUNGAN, SOUTHERN LEYTE

SHEET CONTENTS
STRUCTURAL NOTES

DRAFTED
ALEXANDER L. ANJAN
DATE
FEB 17 2025

REVIEWED
JOSE A. BASTARDE
DATE
FEB 18 2025

SUBMITTED
RAINER LOU C. RUE
CHIEF, PLANNING & DESIGN SECTION
DATE
FEB 18 2025

RECOMMENDED
FEB 17 2025

APPROVED
EDUARDO V. SANTOS
DISTRICT ENGINEER
DATE
FEB 17 2025

SET NO.
1
SHEET NO.
18
28

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 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 SPICING 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 SPICES 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 AND THE VERTICAL DISTANCES BETWEEN THESE WELDS OR SPICES 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 SPICES (Same spacing at Confinement Zone)

G. NOTES ON SLABS.

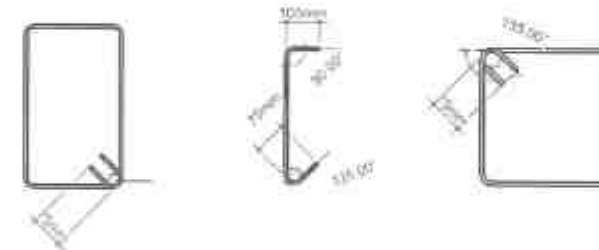
1. SLAB CONCRETE SHALL HAVE A 28-DAY COMPRESSIVE STRENGTH ATLEAST $f_c = 3500 \text{ psi} / 24 \text{ Mpa}$.
2. SLAB REINFORCEMENT SHALL BE GRADE 40 or $f_y = 40,000 \text{ psi} / 275 \text{ Mpa}$.
3. SLAB CONCRETE SHALL BE POURED MONOLITHICALLY WITH THE SUPPORTING BEAMS. NO COLD JOINTS ALLOWED.
4. NO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

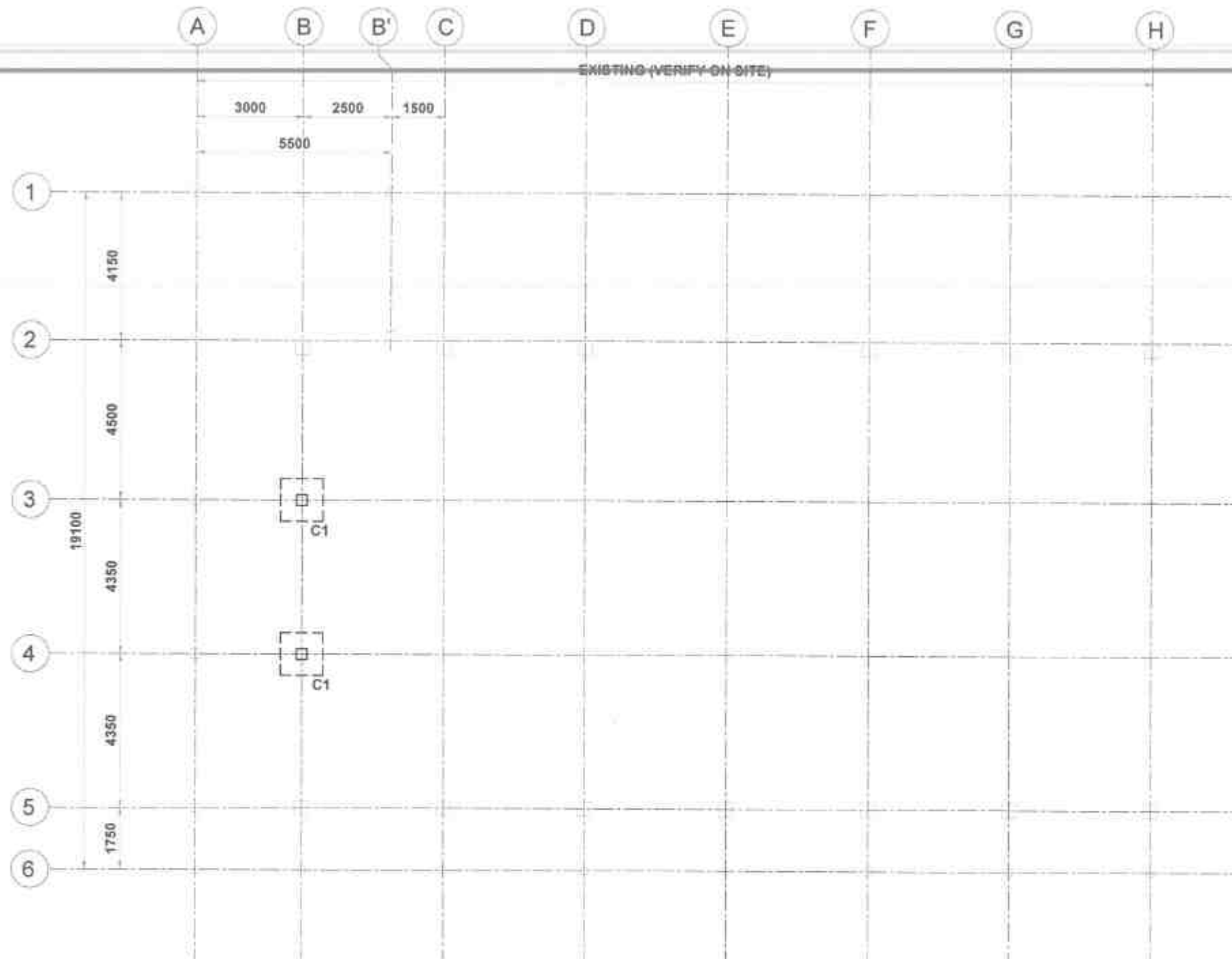
BAR DIAMETER	MINIMUM INSIDE BEND DIAMETER	HOOK LENGTH
10MM	40MM	100MM
12MM	48MM	105MM



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 VII SOUTHERN LEYTE 2 ND DISTRICT ENGINEERING OFFICE 30000, SOUTHERN LEYTE	PROJECT NAME AND LOCATION CONVERGENCE AND SPECIAL SUPPORT PROGRAM - BASIC INFRASTRUCTURE PROGRAM (BIP) - MULTIPURPOSE DRAINAGE FACILITY TO SUPPORT RURAL SERVICES - CONSTRUCTION COMPLETION OF MULTIPURPOSE DRAINAGE BARAHAY BAYLUD, HINODAWA SOUTHERN LEYTE	SHEET CONTENTS STRUCTURAL NOTES	DRAFTED ALEXANDER A. BALTAZAR DATE: FEB 07 2025	REVIEWED JESSE A. BALTAZAR ENGINEER DATE: FEB 10 2025	DESIGNED HARRIS LOU C. BING CHECK, PLANNING & DESIGN SECTION DATE: FEB 10 2025	RECOMMENDED EVALYN D. YAP ASSISTANT CONTRACT ENGINEER DATE: FEB 17 2025	APPROVED EDUARDO V. SANTOS CONTRACT ENGINEER DATE: FEB 17 2025	REV NO. 5 2	SHEET NO. 19 28



01 FOUNDATION PLAN
S-3 SCALE 1:100



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)
- MULTI-PURPOSE BUILDING FACILITIES TO SUPPORT
SOCIAL SERVICES - CONSTRUCTION (COMPLETION)
OF MULTI-PURPOSE BUILDING
BARUNGAY BACULDE, BIVUNDAYAN, SOUTHERN LEYTE

SHEET CONTENTS
FOUNDATION PLAN

DRAFTED:
ALEXANDER B. BAYAN
DATE: FEB 07 2025
PREPARED:
JUNOR M. C. ALLEJO
DATE: FEB 07 2025

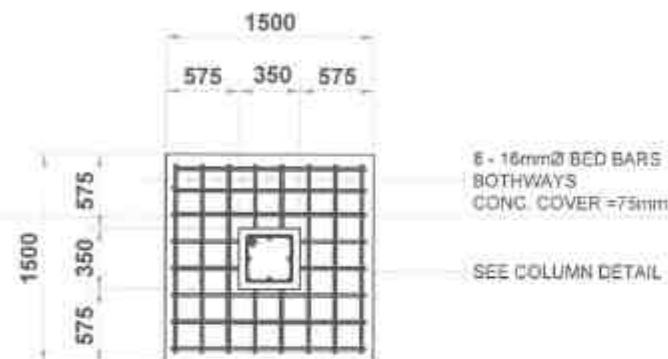
REVIEWED:
JOSE A. BASTRAN
DATE: FEB 10 2025

SUBMITTED:
RAINER M. C. RING
DATE: FEB 10 2025

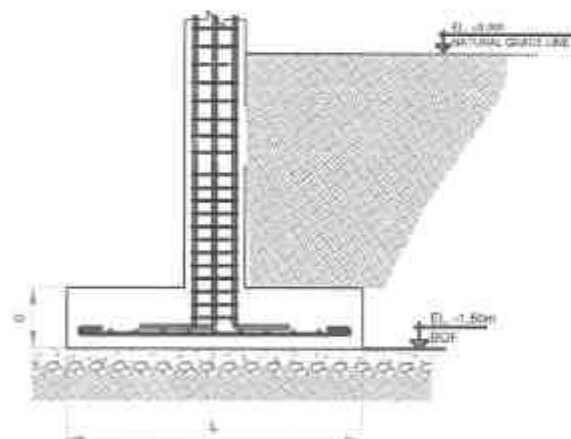
RECOMMENDED:
DATE: FEB 17 2025

APPROVED:
EDUARDO V. SANTOS
DATE: FEB 17 2025

SET NO.	SHEET NO.
8	20
18	25



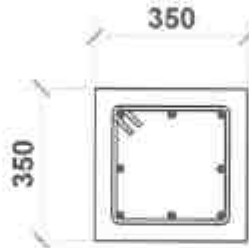
PLAN

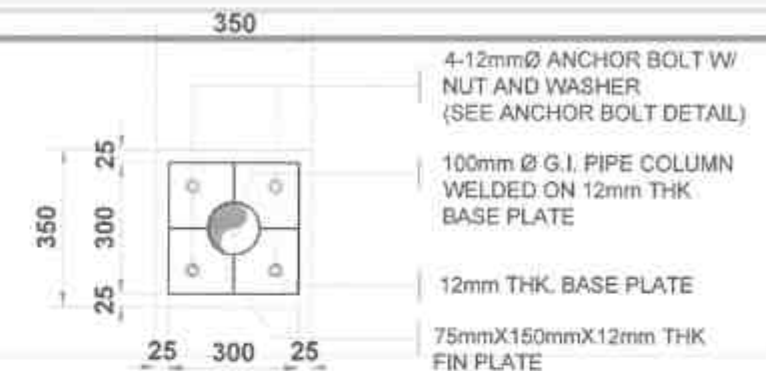


ELEVATION

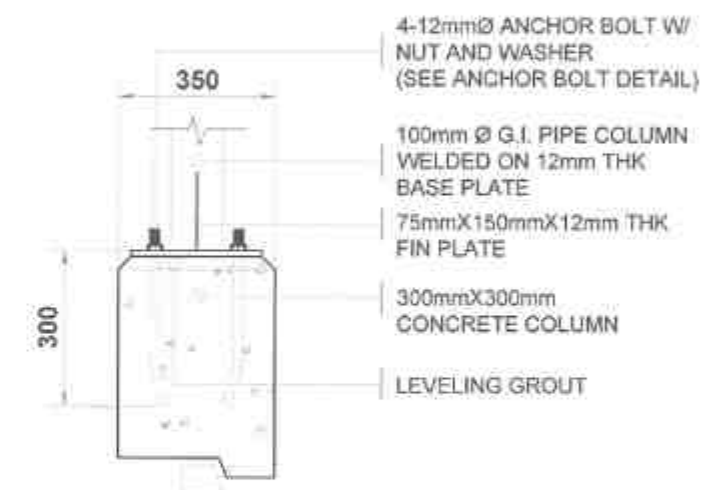
01
S-4
TYPICAL COLUMN DETAIL
SCALE
N/A

SCHEDULE OF COLUMN

FOUNDATION TO GROUND		
	VERTICAL REBARS	8-16mmØ
	REBAR TIES	10mmØ
	JOINT TIES	2 sets - 4 @ 100mm O.C.
	CONFINED TIES	2 sets - 10- @ 75 O.C.
	UNCONFINED TIES	2 sets - REST @ 150mm O.C.
LOCATION	C1	
MARK		



PLAN



ELEVATION



@TOP OF COLUMN
ANCHOR BOLT DETAILS

02
S-4
COLUMN-STEEL CONNECTION
SCALE
1/10 mm



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

PROJECT NAME AND LOCATION
CONVERGENCE AND SPECIAL SUPPORT PROGRAM
- BASIC INFRASTRUCTURE PROGRAM (BIP)
- MULTI-PURPOSE BUILDING/FACILITIES TO SUPPORT
LOCAL SERVICES - CONSTRUCTION (COMPLETION)
OF MULTI-PURPOSE BUILDING
BARANGAY BACILOD, HINUNGAN, SOUTHERN LEYTE

SHEET CONTENTS
TYPICAL COLUMN DETAIL
COLUMN-STEEL CONNECTION

DRAFTED
ALEXANDER S. RAMA
DATE: FEB 07 2025
PREPARED
JUNIORE C. VILJO
DATE: FEB 07 2025

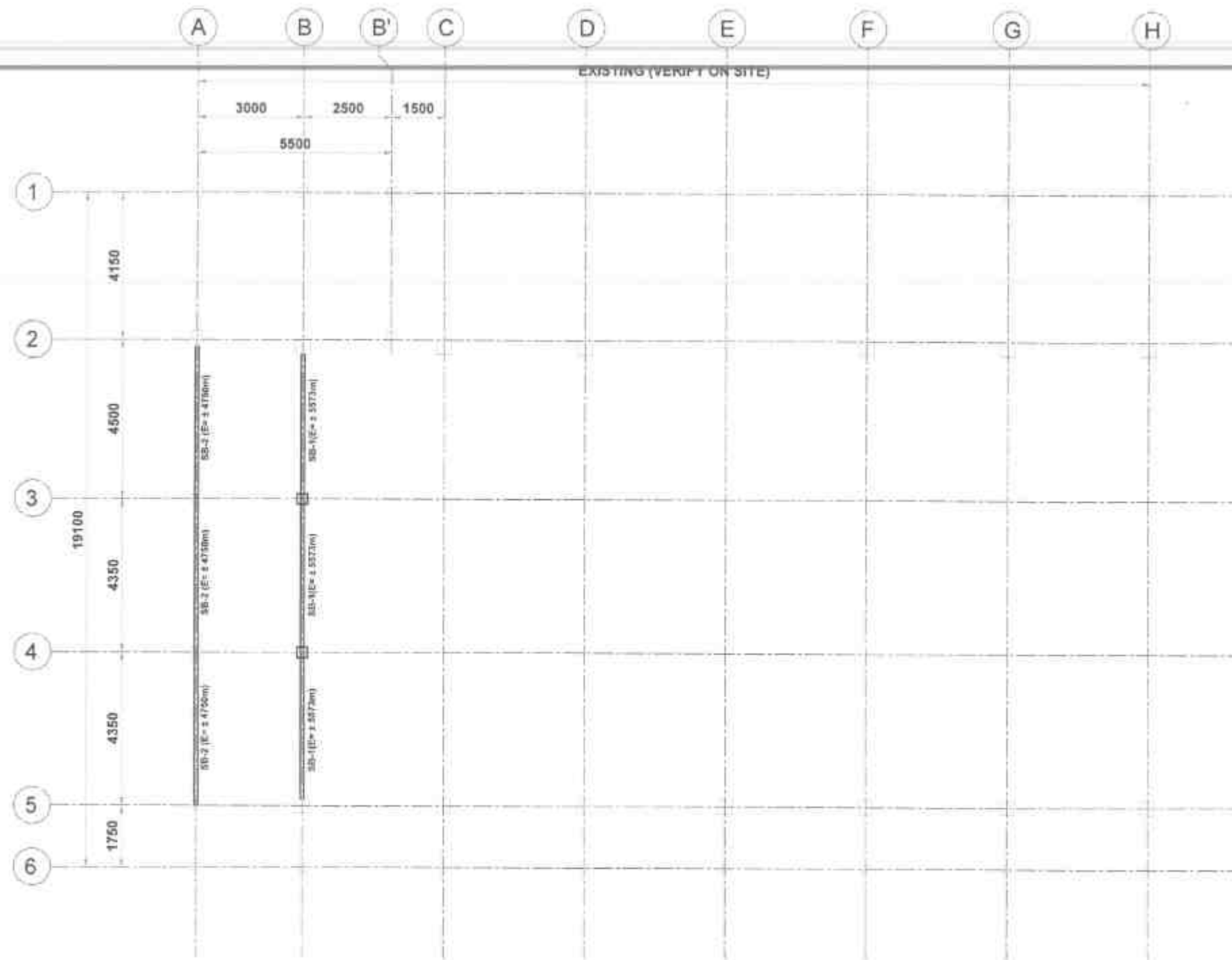
REVISED
JOSE Y. SAMPAGAN
DATE: FEB 10 2025

SUBMITTED
RAINIER LOU C. BIA
DATE: FEB 10 2025

RECOMMENDED
EVERALDO P. BAYAN
DATE: FEB 17 2025

APPROVED
EDUARDO V. SANTOS
DATE: FEB 17 2025

SET NO.
5
SHEET NO.
21



01 STEEL BEAM FRAMING PLAN
SCALE 1:100 mm



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGION VII
SOUTHERN LEYTE 2ND DISTRICT
ENGINEERING OFFICE
9000C SOUTHERN LEYTE

PROJECT NAME AND LOCATION

CONVERGENCE AND SPECIAL SUPPORT PROGRAM
- BASE INFRASTRUCTURE PROGRAM (BIP)
- MULTIPURPOSE BUILDING FACILITIES TO SUPPORT
SPECIAL SERVICES - CONSTRUCTION COMPLETION
OF MULTIPURPOSE BUILDINGS

BANARAY BACULOG, MUNDAYAH, SOUTHERN LEYTE

SHEET CONTENTS

STEEL BEAM FRAMING PLAN

DRAWN BY

ALEXANDER C. VILLANO
DATE FEB 07 2025

JUAN MIGUEL VILLANO
ENGINEER

DESIGNED BY

JOSE A. BALTESAR
DATE FEB 18 2025

JOSE A. BALTESAR
ENGINEER

CHECKED BY

RAMON C. BUIK
DATE FEB 10 2025

RAMON C. BUIK
CHECK PLANNING DESIGN SECTION

RECOMMENDED BY

EDUARDO V. SANTOS
DATE FEB 17 2025

EDUARDO V. SANTOS
ASSISTANT DISTRICT ENGINEER

APPROVED BY

EDUARDO V. SANTOS
DATE FEB 17 2025

EDUARDO V. SANTOS
DISTRICT ENGINEER

SHEET NO

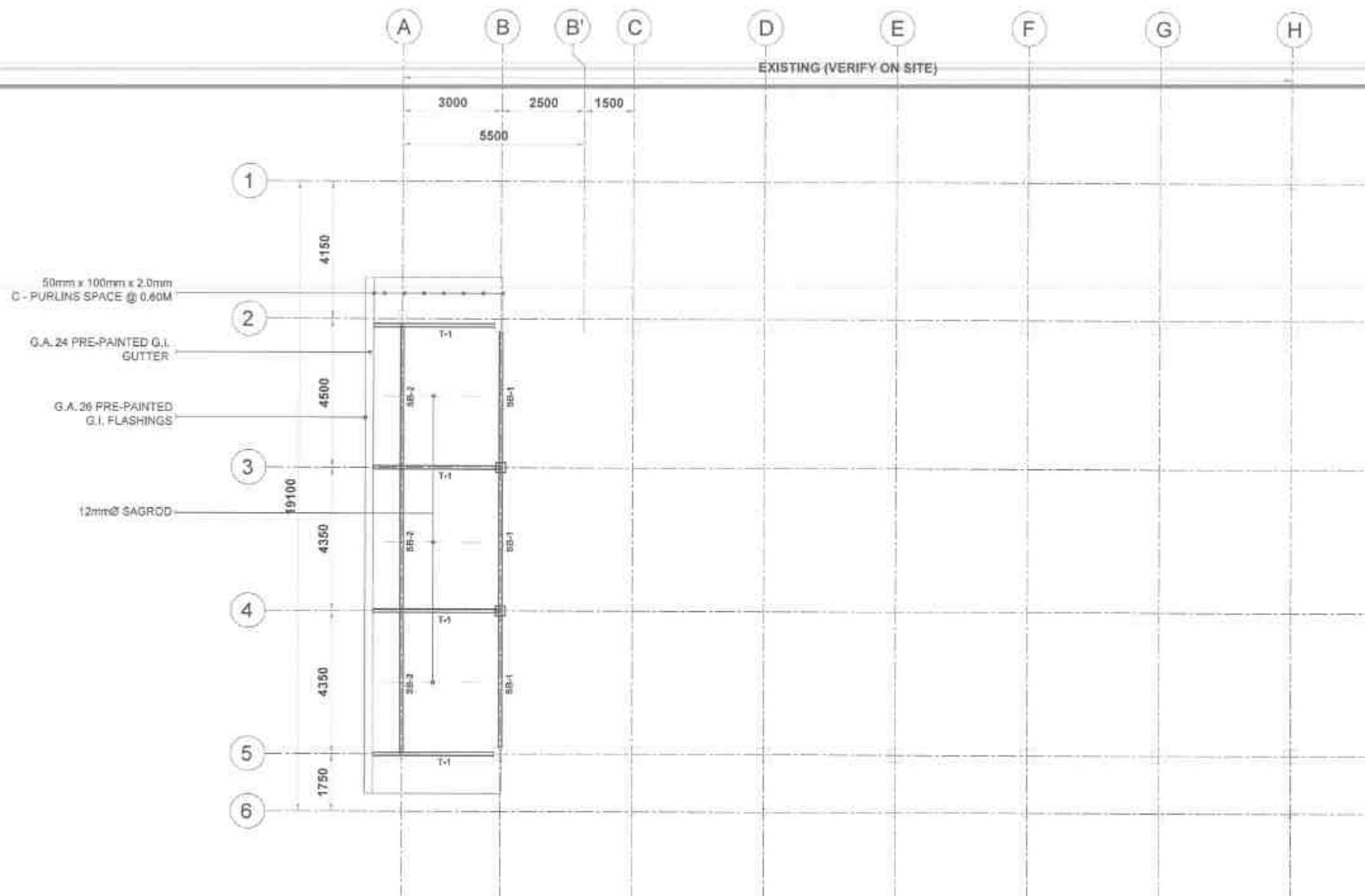
5

5

SHEET NO

22

28



01 ROOF FRAMING PLAN
SCALE 1:100



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

PROJECT NAME AND LOCATION
CONVEGENCE AND SPECIAL SUPPORT PROGRAM
- BANG INFRASTRUCTURE PROGRAM (BIP)
- MULTI-PURPOSE BUILDING/FACILITIES TO SUPPORT
SOCIAL SERVICES - CONSTRUCTION (COMPLETION)
OF MULTI-PURPOSE BUILDING
BARANGAY BACULOG, NHIKINAYAN, SOUTHERN LEYTE

SHEET CONTENTS
STEEL BEAM FRAMING PLAN

DRAWN BY
ALEXANDER S. SANTIAGO
DATE
FEB 07 2025
CHECKED BY
JUANITO C. VILLERO
DATE
FEB 07 2025

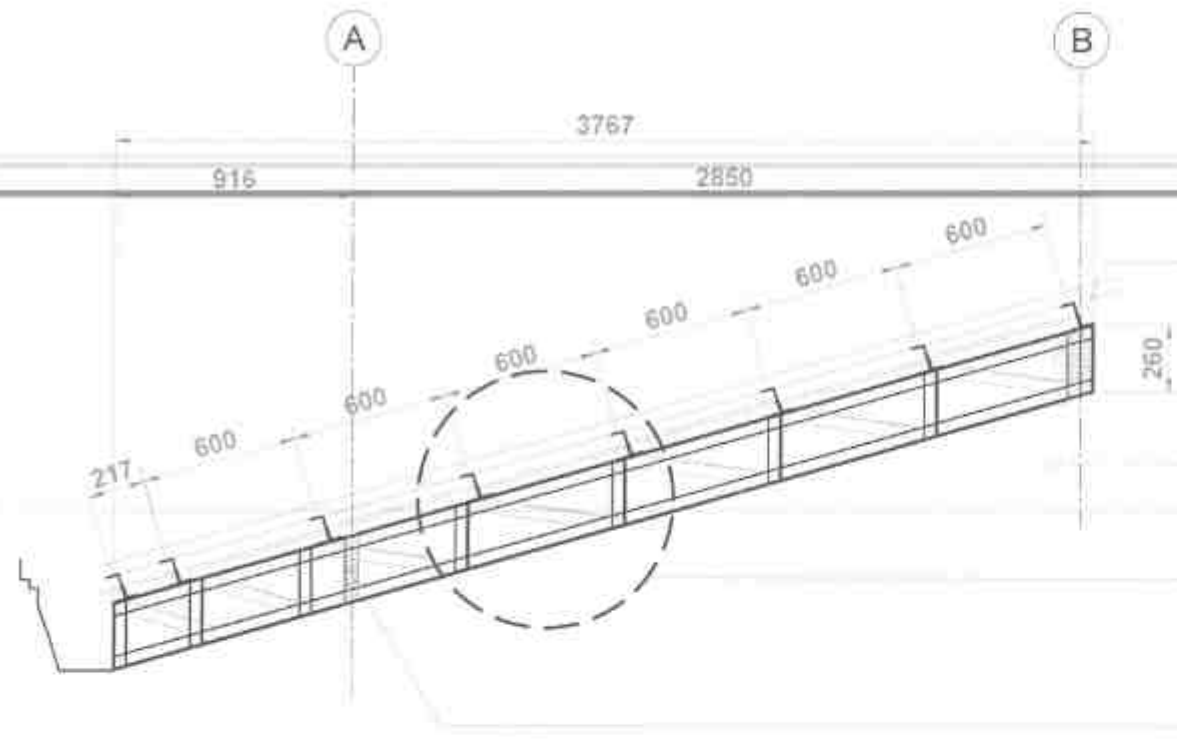
REVIEWED BY
JESSE A. BALTAZAR
DATE
FEB 10 2025

SUBMITTED BY
RAINIER L. C. RIVERA
DATE
FEB 10 2025

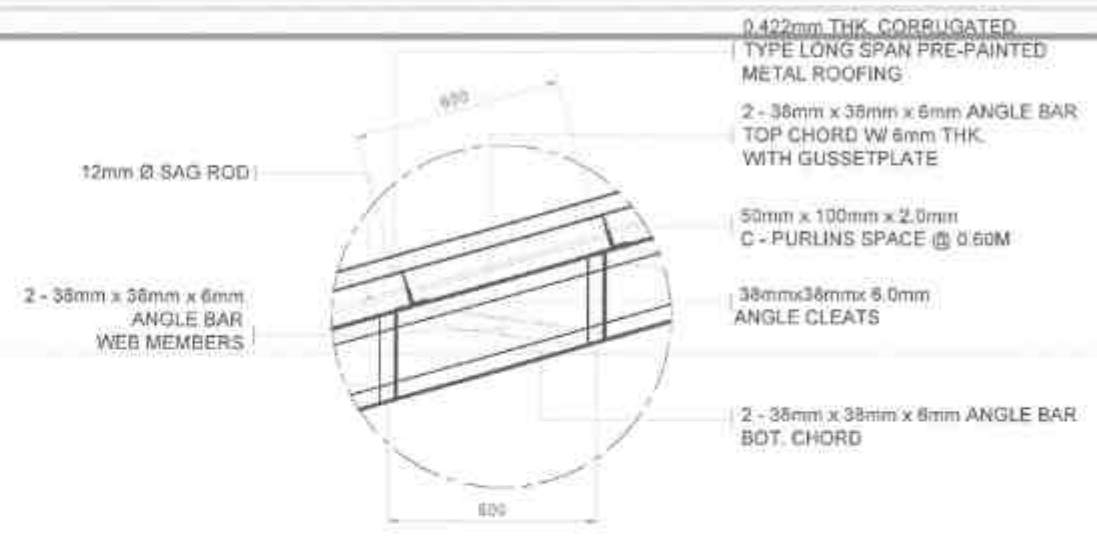
RECOMMENDED BY
EDUARDO V. SANTOS
DATE
FEB 17 2025

APPROVED BY
EDUARDO V. SANTOS
DATE
FEB 17 2025

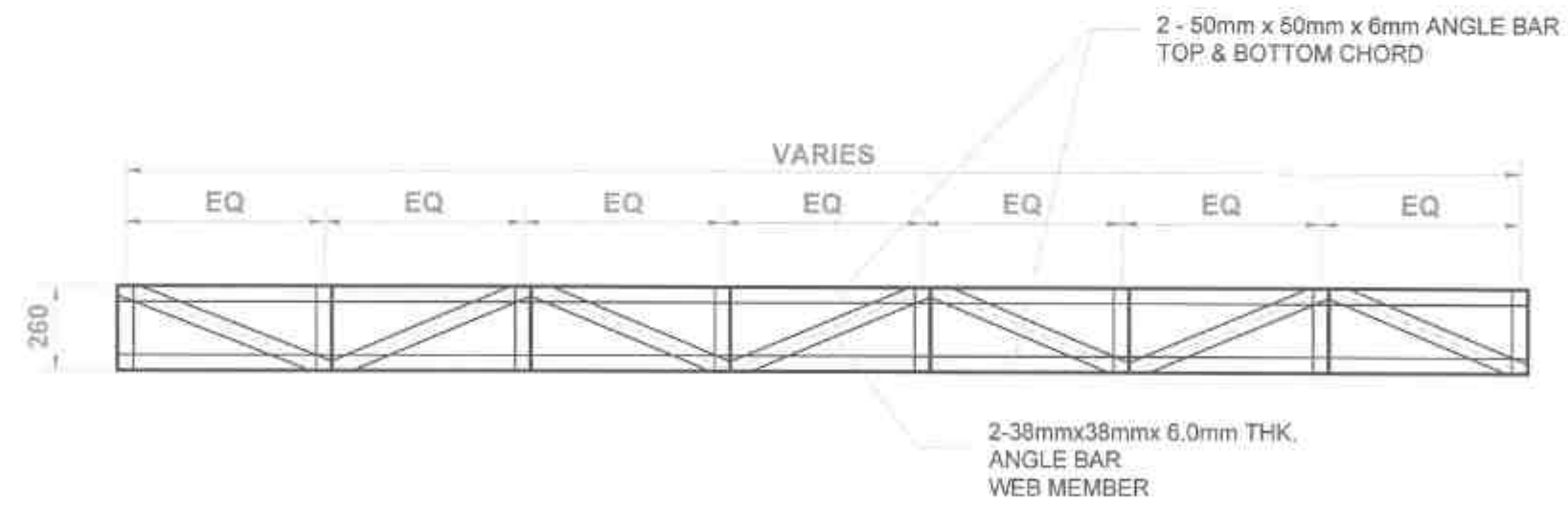
DET NO
5
SHEET NO
23



01 STEEL TRUSS DETAIL
SCALE 1:20 mts

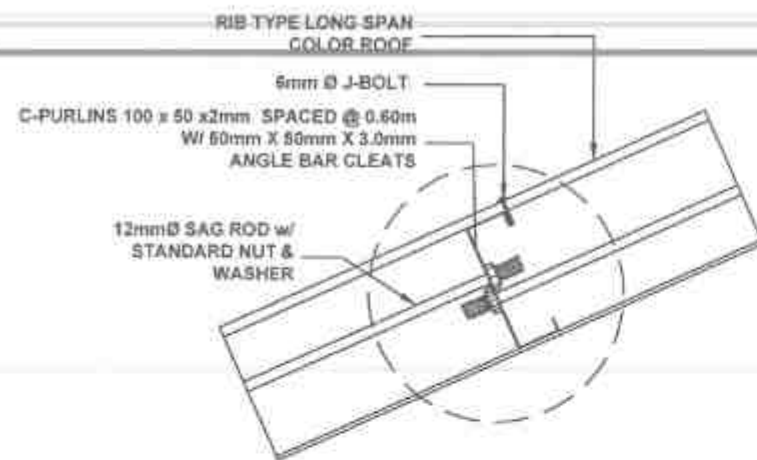


02 SPOT DETAIL 1
SCALE 1:10 mts

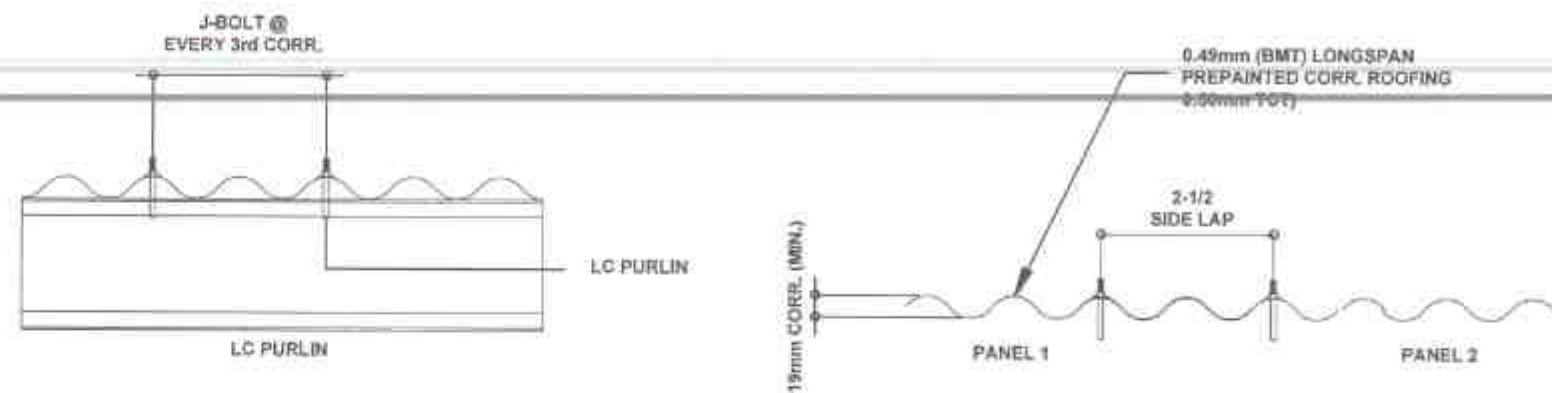


03 SB-1 DETAIL
SCALE 1:20 mts

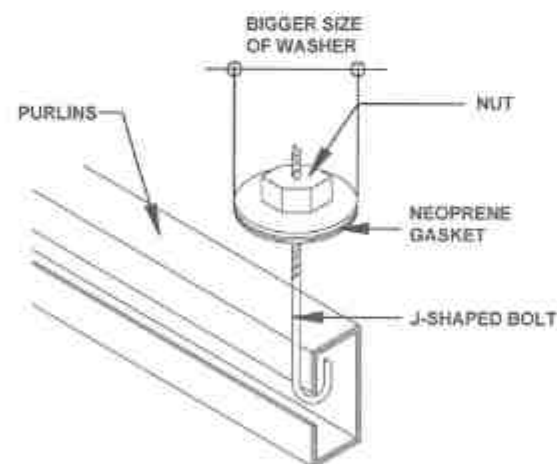
 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGION VII SOUTHERN LEYTE 2ND DISTRICT ENGINEERING OFFICE 8000C SOUTHERN LEYTE	PROJECT NAME AND LOCATION: CONVERGENCE AND SPECIAL SUPPORT PROGRAM - BASIC INFRASTRUCTURE PROGRAM (BIP) - MULTI-PURPOSE RURAL INFRASTRUCTURE TO SUPPORT SOCIAL SERVICES - CONSTRUCTION/COMPLETION OF MULTI-PURPOSE SUB-TRANS BARASAT BAYLUD, MUNOYAN, SOUTHERN LEYTE	SHEET CONTENTS: STEEL BEAM FRAMING PLAN	DRAWN BY: ALE MARQUEZ, JR. DATE: FEB 10 / 2025 CHECKED BY: JUNE MARQUEZ DATE: FEB 10 / 2025 APPROVED BY: JUNE MARQUEZ DATE: FEB 10 / 2025	DESIGNED BY: JUNE MARQUEZ DATE: FEB 10 / 2025 CHECKED BY: JUNE MARQUEZ DATE: FEB 10 / 2025 APPROVED BY: JUNE MARQUEZ DATE: FEB 10 / 2025	SUBMITTED BY: JUNE MARQUEZ DATE: FEB 10 / 2025 CHECKED BY: JUNE MARQUEZ DATE: FEB 10 / 2025 APPROVED BY: JUNE MARQUEZ DATE: FEB 10 / 2025	RECOMMENDED BY: JUNE MARQUEZ DATE: FEB 10 / 2025 CHECKED BY: JUNE MARQUEZ DATE: FEB 10 / 2025 APPROVED BY: JUNE MARQUEZ DATE: FEB 10 / 2025	APPROVED BY: EDUARDO V. SANDOS DATE: FEB 17 / 2025	DET NO: 5 SHEET NO: 24
--	--	---	--	---	--	--	---	-----------------------------------



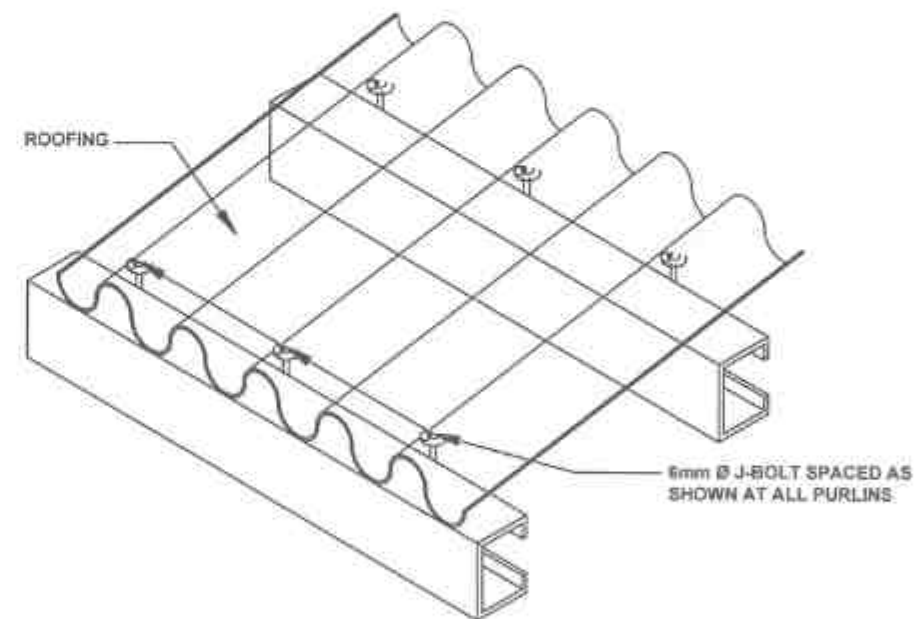
PURLIN - SAGROD TYPICAL DETAILS



ROOF PANEL SIDE LAP TYPICAL DETAILS



TYPICAL ROOFING FIXER DETAILS



ISOMETRIC VIEW OF CONNECTION OF ROOFING TO PURLIN

01 TYPICAL ROOFING CONNECTION DETAILS

 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 CONVEGENCE AND SPECIAL SUPPORT PROGRAM - BASIC INFRASTRUCTURE PROGRAM (BIP) - MULTIPURPOSE BULWARK/RESILIENT TO SUPPORT SOCIAL SERVICES - CONSTRUCTION (COMPLETION) OF MULTIPURPOSE BULWARKS BARANGAY BACULOD, HINANDAYAN SOUTHERN LEYTE	SHEET CONTENTS TYPICAL ROOFING CONNECTION DETAILS	DRAWN BY: ALEXANDER S. RAMOS CHECKED BY: JUANME C. VILLOJO DATE: FEB 07 2025	DESIGNED BY: JUANME C. VILLOJO DATE: FEB 18 2025	SUBMITTED BY: RAINER L. C. BUIZ DATE: FEB 10 2025	RECOMMENDED BY: EVELYN M. P. SANTIAGO DATE: FEB 11 2025	APPROVED BY: EDUARDO V. MAN/OS DATE: FEB 17 2025	REV NO SHEET NO 5 25 4 24
---	---	---	---	--	---	---	--	---

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 APPLIANCES. FURNISH AND INSTALL, IF NECESSARY, ALL SUCH ITEM WHETHER SPECIALLY MENTIONED 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 GRACES. 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:

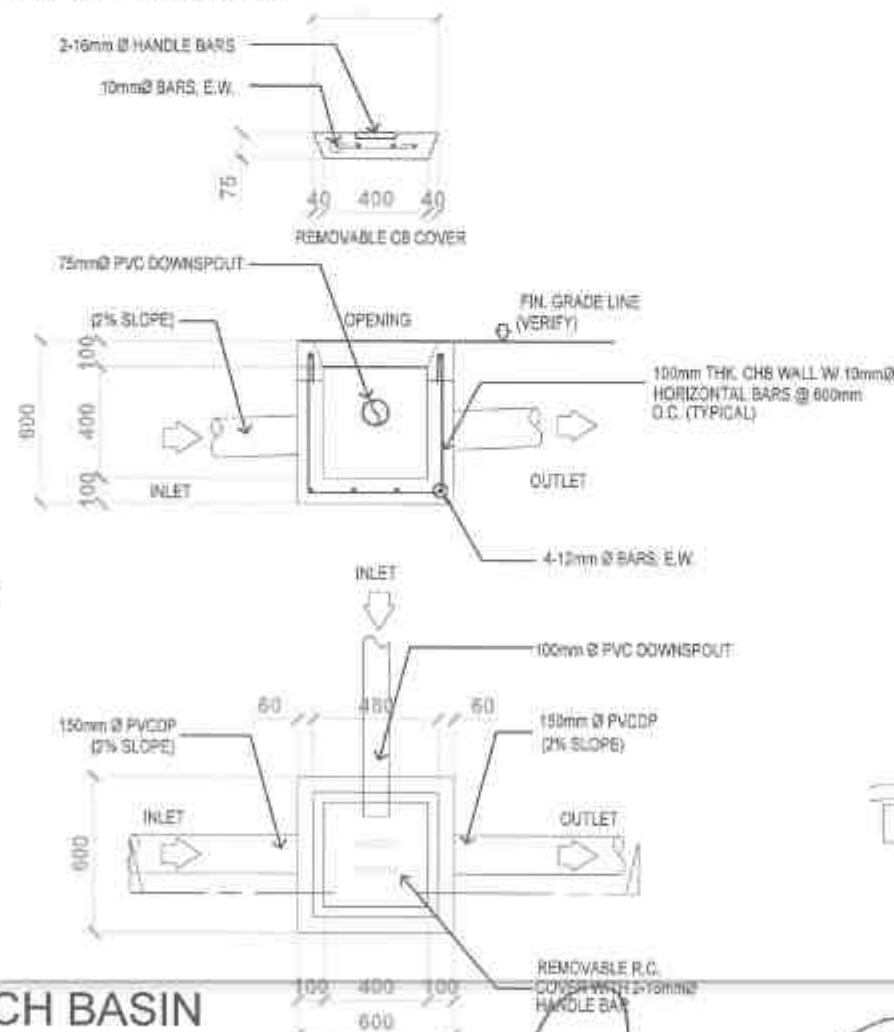
1. MAKE ALL JOINTS AIR AND WATER TIGHT. FOR JOINING PIPES, USE THE FOLLOWING:
 - A. POLYVINYL CHLORIDE PIPES : HUB TYPE JOINTS WITH PVC CEMENT
 - B. GALVANIZED IRON AND COPPER PIPES. CAREFULLY REAMED THREADED JOINTS. APPLY TEFLON TAPE OR PAINT WITH RED LEAD AT ALL JOINT LENGTHS.
 - C. CEMENT PIPES : 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 BLUE 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.

OTHERS:

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.



CATCH BASIN

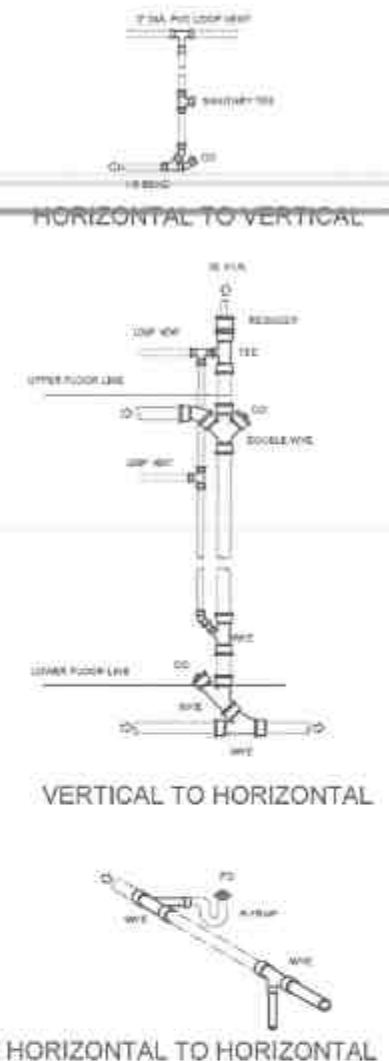
SPECIFICATION:

1. ALL HORIZONTAL PIPINGS SHALL BE RUN IN PRACTICAL ALIGNMENT AND AT UNIFORM GRADE NOT LESS THAN 2% AND SHALL BE SUPPORTED OR ANCHORED AT AN INTERVAL, NOT TO EXCEED 10 FEET.
2. ALL PIPES PASSING THRU OR UNDER WALLS AND DRIVEWAYS SHALL BE PROPERLY PROTECTED AGAINST BREAKAGE.
3. ALL CAULKED JOINT SHALL BE FIRMLY PACKED WITH OAKUM OR OIL TREATED HEMP AND SHALL BE PROPERLY SECURED ONLY WITH PURE LEAD NOT LESS THAN 1" DEEP WELL CAULKED.
4. WORKMANSHIP SHALL BE OF SUCH CHARACTER AS TO FULLY SECURE

CERTIFICATION:

THIS IS TO CERTIFY THAT THERE IS NO ARTESIAN WELL WITHIN A RADIUS OF 25.00 METERS FROM THE SEPTIC VAULT.

MASTER PLUMBER



MASTER PLUMBER	
LICENSE NO.:	
PTR NO.:	
DATE ISSUED NO.:	
PLACE ISSUED:	
TIN:	
APPROVED: 	
EDUARDO V. SANTOS DISTRICT ENGINEER	
DATE: FEB 17 2025	
DET. NO. 15	SHEET NO. 25



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
(SECTION VII)
SOUTHERN LEYTE 2ND DISTRICT
ENGINEERING OFFICE
3000S, SOUTHERN LEYTE

PROJECT NAME AND LOCATION:
CONVERGENT AND SPECIAL SUPPORT PROGRAM
- BASIC INFRASTRUCTURE PROGRAM (BIP)
- MULTI-PURPOSE BUILDING FACILITIES TO SUPPORT
SOCIAL SERVICES - CONSTRUCTION (COMPLETION)
OF MULTI-PURPOSE BUILDINGS
BARANGAY BAYLUNG, MUNDAVAN, SOUTHERN LEYTE

SHEET CONTENTS:
PLUMBING NOTES
SPECIFICATION

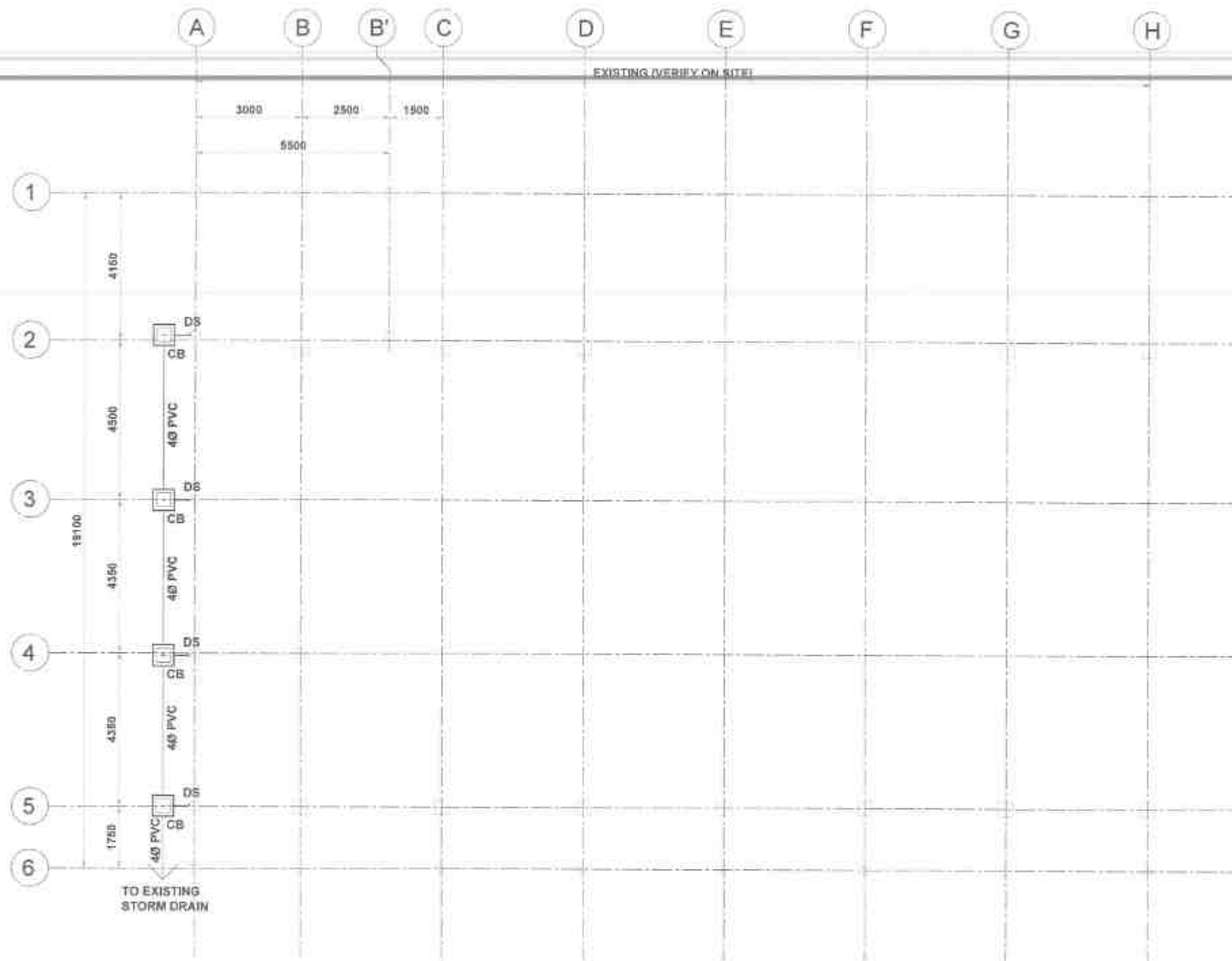
DRAWN BY:
ALFONSO C. SANTOS
DATE: FEB 07 2025
PREPARED BY:
JUNHOM C. VILLOJO
DATE: FEB 07 2025

REVIEWED BY:
JOSE A. BALTAZAR
DATE: FEB 10 2025

SUBMITTED BY:
RAINER M. RUZ
DATE: FEB 10 2025

RECOMMENDED BY:
EVERALDO A. SANTOS
DATE: FEB 17 2025

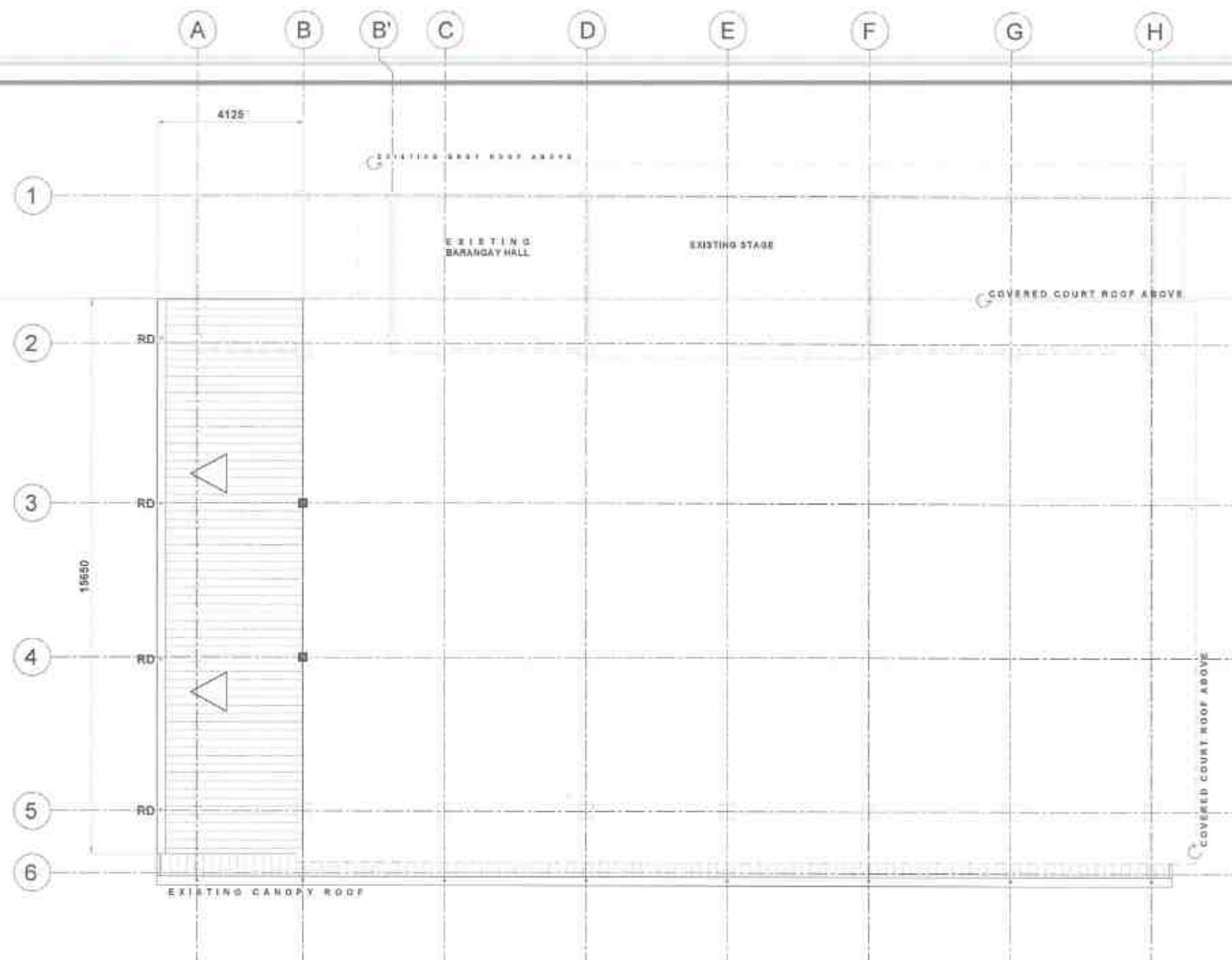
APPROVED BY:
EDUARDO V. SANTOS
DATE: FEB 17 2025



01 GROUND FLOOR STORM DRAINAGE LAYOUT
F-3 SCALE

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 BORDO, 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 BURNLEY BACULOG, IMMUNDYAN, SOUTHERN LEYTE	SHEET CONTENTS: GROUND FLOOR STORM DRAINAGE LAYOUT	DRAFTED: ALF. J. JARIN DATE: FEB 07 2025 PREPARED: JULIAN P. WILF DATE: FEB 07 2025	REVISED: JOSE A. BALTAZAR DATE: FEB 14 2025	SUBMITTED: RAINIER L. C. RUIZ DATE: FEB 14 2025	RECOMMENDED: EDUARDO V. SANTOS DATE: FEB 17 2025	APPROVED: EDUARDO V. SANTOS DATE: FEB 17 2025	REV. NO.: SHEET NO.: 27
---	--	---	--	--	--	---	--	--



01 **ROOF STORM DRAINAGE LAYOUT**
 SCALE: 1:100 H.S.

MASTER PLUMBER
 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 (BIP) - MULTIPURPOSE BUILDING FACILITIES TO SUPPORT SOCIAL SERVICES - CONSTRUCTION COMPLETION OF MULTIPURPOSE BUILDING BARANGAY BACULOD, HINUNGAN VILL, SOUTHERN LEYTE	SHEET CONTENTS: ROOF STORM DRAINAGE LAYOUT	DRAWN BY: ALEXANDER S. ANGELO DESIGNED BY: JESSA A. BALASAG PREPARED BY: JENNIFER C. VILLALBA DATE: FEB 07 2025	REVIEWED BY: JESSA A. BALASAG ENGINEER II DATE: FEB 10 2025	QUANTITY CHECKED BY: RAINIER C. DINT CHIEF, PLANNING AND DESIGN SECTION DATE: FEB 10 2025	RECOMMENDED BY: EYE V. D. YAP ASSISTANT DISTRICT ENGINEER DATE: FEB 17 2025	APPROVED BY: EDUARDO V. SANTOS DISTRICT ENGINEER DATE: FEB 17 2025	SET NO. 3 OF 3 SHEET NO. 28 OF 28
---	--	--	---	--	--	--	---	---