



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 LOCAL SERVICES -
CONSTRUCTION (COMPLETION) OF MULTI-PURPOSE BUILDING**

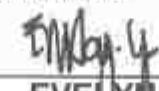
BARANGAY BONGBONG, SAN FRANCISCO, SOUTHERN LEYTE
10.08216°N , 125.14538°E

SUBMITTED:


RAINIER LOU C. RUIZ
CHIEF, PLANNING & DESIGN SECTION

DATE: **MAR 06 2025**

RECOMMENDED:

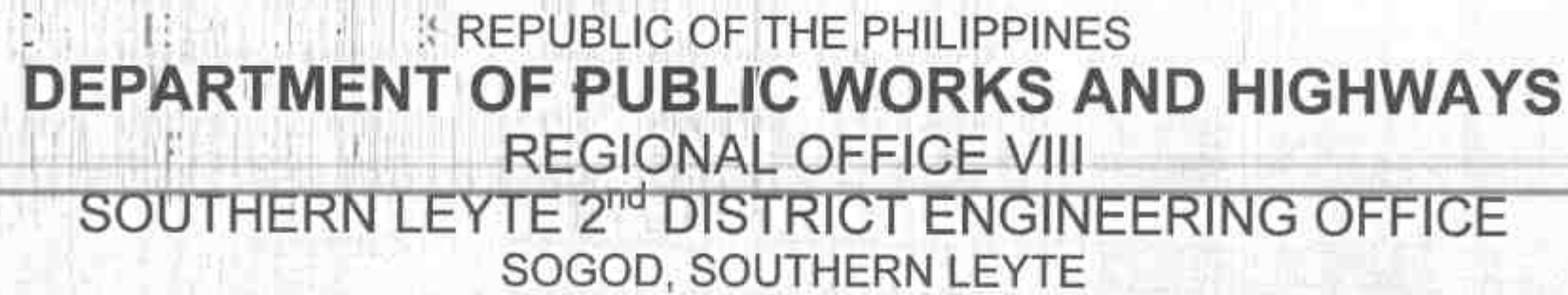

EVELYN D. YAP
ASSISTANT DISTRICT ENGINEER

DATE: **MAR 07 2025**

APPROVED:


EDUARDO V. SANTOS
DISTRICT ENGINEER

DATE: **MAR 07 2025**



BARANGAY BONGBONG, SAN FRANCISCO, SOUTHERN LEYTE
10.08216°N , 125.14538°E

 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGION VII SOUTHERN LEYTE 2ND DISTRICT ENGINEERING OFFICE BOOGE, SOUTHERN LEYTE	PROJECT NAME AND LOCATION:	BEST SUBJECTS	DESIGNED:	REVIEWED:	SUBMITTED:	RECOMMENDED:	APPROVED:	SHEET NO.	SHEET NO.
	CONSTRUCTION AND SPECIAL SUPPORT PROGRAMS - BASIC INFRASTRUCTURE PROGRAM (CONSTRUCTION AND SPECIAL SUPPORT PROGRAMS TO SUPPORT LOCAL DEVELOPMENT) CONSTRUCTION OF COMPLETION OF MALLAPANAN BUILDING BUILDING REPAIRS, SANITARIUM, SOUTHERN LEYTE	GENERAL COVER PAGE	DATE: MAR 06 2025 PREPARED: JUNIOR C. VILLASO DATE: MAR 06 2025	DATE: MAR 06 2025 REVIEWED: MIROSLAV M. VILLASENO DATE: MAR 06 2025	DATE: MAR 06 2025 SUBMITTED: RAIMON C. RUET DATE: MAR 06 2025	DATE: MAR 06 2025 RECOMMENDED: EDUARDO V. LAMPOS DATE: MAR 06 2025	DATE: MAR 06 2025 APPROVED: EDUARDO V. LAMPOS DATE: MAR 06 2025	SHEET NO. 01 SHEET NO. 35	



PERSPECTIVE

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SHEET NO. 4	OTHER GENERAL REQUIREMENTS
SHEET NO. 5	SUMMARY OF QUANTITIES

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SHEET NO. 29	P3	SPECIFICATIONS LEGEND JOINT CONNECTION CATCH BASIN DETAIL

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

DISTRICT/MUNICIPALITY

LAND USE & ZONING

BUILDING OFFICIAL DATE

LINE & GRADE

BUILDING OFFICIAL DATE

ARCHITECTURAL

BUILDING OFFICIAL DATE

CIVIL/STRUCTURAL

BUILDING OFFICIAL DATE

ELECTRICAL

BUILDING OFFICIAL DATE

MECHANICAL

BUILDING OFFICIAL DATE

SANITARY

BUILDING OFFICIAL DATE

PLUMBING

BUILDING OFFICIAL DATE

ELECTRONICS

BUILDING OFFICIAL DATE

GEODETIC ENGINEER

BUILDING OFFICIAL DATE



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
SOUTHERN LEYTE 2ND DISTRICT
ENGINEERING OFFICE
30032, SOUTHERN LEYTE

PROJECT NAME AND LOCATION
CONVERGENCE AND SPECIAL SUPPORT PROGRAM - BASIC INFRASTRUCTURE PROGRAM - MULTIPURPOSE BUILDING - FACILITIES TO SUPPORT LOCAL SERVICES - CONSTRUCTION (COMPLETION) OF MULTIPURPOSE BUILDING BARANGAY SONGBONG, SAN FRANCISCO, SOUTHERN LEYTE

SHEET CONTENTS
PERSPECTIVE
INDEX OF SHEETS

DRAWN BY
MAR 04 2025

DESIGNED BY
MAR 06 2025

SUBMITTED BY
MAR 06 2025

RECOMMENDED BY
MAR 07 2025

APPROVED BY
MAR 07 2025

SET NO. 1
SHEET NO. 25

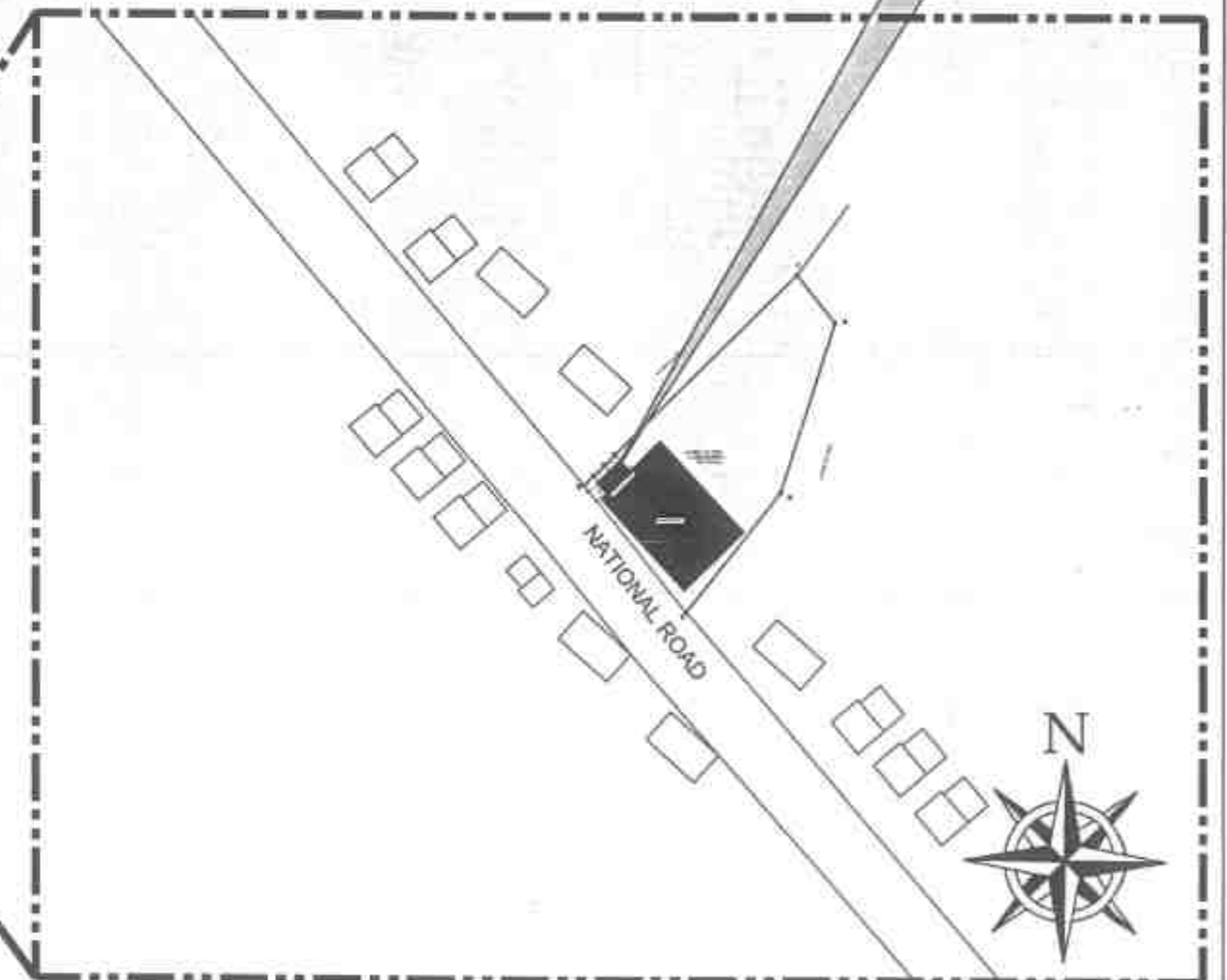


CONVERGENCE AND SPECIAL SUPPORT PROGRAM - BASIC
INFRASTRUCTURE PROGRAM (BIP) - MULTI-PURPOSE BUILDING/
FACILITIES TO SUPPORT LOCAL SERVICES -
CONSTRUCTION (COMPLETION) OF MULTI-PURPOSE BUILDING

BARANGAY BONGBONG, SAN FRANCISCO, SOUTHERN LEYTE
10.08216°N, 125.14538°E



SOUTHERN LEYTE MAP



LOCATION MAP



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

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

SHEET CONTENTS:
LOCATION MAP

DRAWN BY:
KEVY K. CHOPRA
DATE: MAR 04 2025
CHECKED BY:
JINBANG S. SORIANO
DATE: MAR 04 2025

REVIEWED BY:
MINE MING M. VILLANUEVA
DATE: MAR 06 2025

SUBMITTED BY:
RAINER L. RUE
DATE: MAR 06 2025

RECOMMENDED BY:
EVANGELIN M. YAP
DATE: MAR 07 2025

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

SHEET NO.:
03
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	1016 (1)b	Waterproofing Liquid	64.20 Sq.m.
B.5 (1)	Project Billboard / Signboard	4.00	Each		Ceramic/Granite Tiles	
B.7 (1)	Occupational Safety and Health	1.00	Ls	1018 (2)	Unglazed Tiles	22.30 Sq.m.
B.9 (1)	Mobilization / Demobilization	1.00	Ls	1018 (5)	Glazed Tiles	38.00 Sq.m.
					Cement Plaster Finish	
				1027 (1)	Cement Plaster Finish	207.00 Sq.m.
PART C	EARTHWORK - Blue Book Vol. III, Part III, Division I - General				Painting, Varnishing and Other Related Works	
801(1)	Removal of Structures and Obstruction	1.00	Ls	1032 (1)a	Painting Works (Masonry/Concrete)	430.00 Sq.m.
				1032 (1)b	Painting Works Wood	7.31 Sq.m.
PART D	REINFORCED CONCRETE - Blue Book Vol. III, Part III, Division I - General			1032 (1)c	Painting Works Steel	44.00 Sq.m.
900 (1)c	Structural Concrete Class A 28 days, (3000 psi)	5.00	Cu.m.		Masonry Works	
902 (1)a1	Reinforcing Steel (Deformed), Grade 40	1,928.10	Kg.	1046 (2)a1	CHB Non Load Bearing (including Reinforcing Steel) 100 mm	109.00 Sq.m.
903(1)	Formworks and Falseworks	1.00	Ls		Metal Structure	
				1047 (8)a	Structural Steel, Trusses	259.00 Kgs.
PART E	FINISHING & OTHER CIVIL WORKS - Blue Book Vol. III, Part III, Division II - Buildings			1047 (8)b	Structural Steel, Purlins	307.00 Kgs.
	Storm Drainage and Sewerage System			1047 (5)b	Metal Structure Accessories, Sagrods	8.00 Kgs.
1001 (2)	Concrete Gutter	8.80	M	1047 (4)a	Metal Structure Accessories, Bolts and Rods	24.00 Each
1001 (9)	Storm Drainage and Downspout	1.00	Ls	1047 (5)d	Metal Structure Accessories, Steel Plates	51.00 Kgs.
	Carpentry and Joinery Works			1051 (1)a	Railing	1.00 Ls.
1003 (1)a1	Ceiling 4.5 mm Metal Frame Fiber Cement Board	71.00	Sq.m.			
	Hardware			PART F	ELECTRICAL - Blue Book Vol. III, Part III, Division II - Buildings	
1004 (2)	Finishing Hardware	1.00	Ls	1100 (10)	Conduits, Boxes & Fittings (Conduit Works/Conduit, Rough-in)	1.00 Ls.
	Wooden Doors and Windows			1101 (33)	Wires and Wiring Devices	1.00 Ls.
1010 (1)	Frames (Jambs, Sills, Head, Transoms and Mullions)	2.00	Sets	1102 (1)	Panelboard with Main & Branch Breakers	1.00 Ls.
1010 (2)b	Doors, Wood Panel	4.00	Sq.m	1103 (1)	Lighting Fixtures	1.00 Ls.
	Corrugated Roofing					
1013 (2)b	Fabricated Metal Roofing Accessory gauge 26 (0.551mm), Flashings	18.00	Ln.m	PART G	MECHANICAL WORKS - Blue Book Vol. III, Part III, Division II - Buildings	
	Prepainted Metal Sheets				Airconditioning and Ventilating System	
1014(1)a2	Pre-painted Metal Sheets, above 0.427 mm, Corrugated Type, Long Span	39.00	Sq.m	1200(13)a	Air Conditioning System, Package/Split Type	1.00 Ls.



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

PROJECT NAME AND LOCATION
PROJECT NO. AND SPECIAL SUPPORT PROGRAM (SAP) INFORMATION
REMARKS: ALL QUANTITIES SHOWN ARE FOR THE ENTIRE PROJECT.
SUBJECT: CONSTRUCTION OF A 100-METER LONG BRIDGE OVER A RIVER IN THE DISTRICT OF SOUTHERN LEYTE

SHEET CONTENTS
SUMMARY OF QUANTITIES

DRAFTED: KEATY B. GARCIA
DATE: MAR 04 2025
CHECKED: MAR 04 2025

REVIEWED: MIKE NISO M. VILASINCO
DATE: MAR 06 2025

SUBMITTED: RAINIER L. RUIZ
DATE: MAR 06 2025

RECOMMENDED: EVELYN O. RUP
DATE: MAR 07 2025

APPROVED: EDUARDO V. SANTOS
DATE: MAR 07 2025

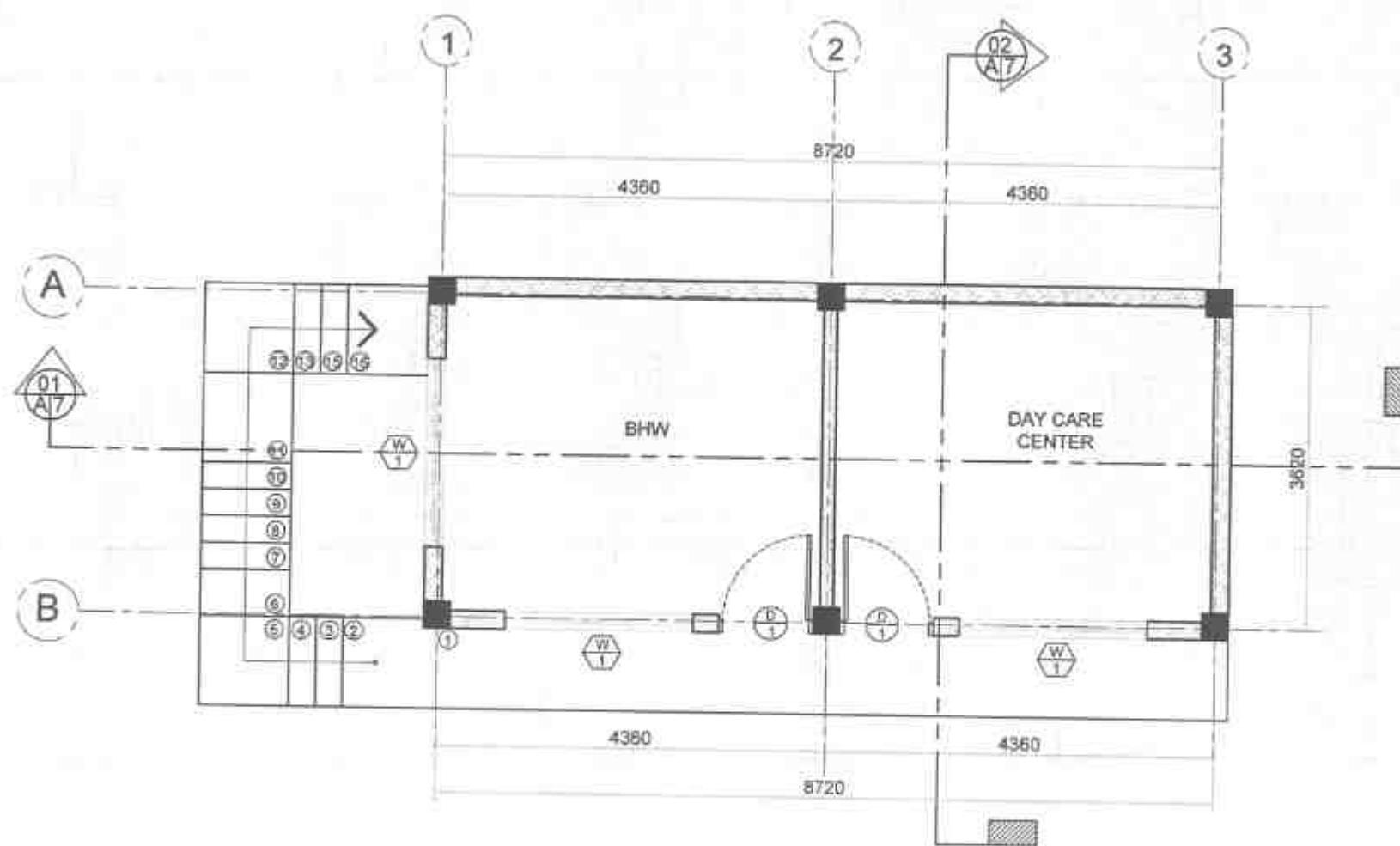
SHEET NO. 05
SHEET 29



01 SITE DEVELOPMENT PLAN
A-1 SCALE HTD

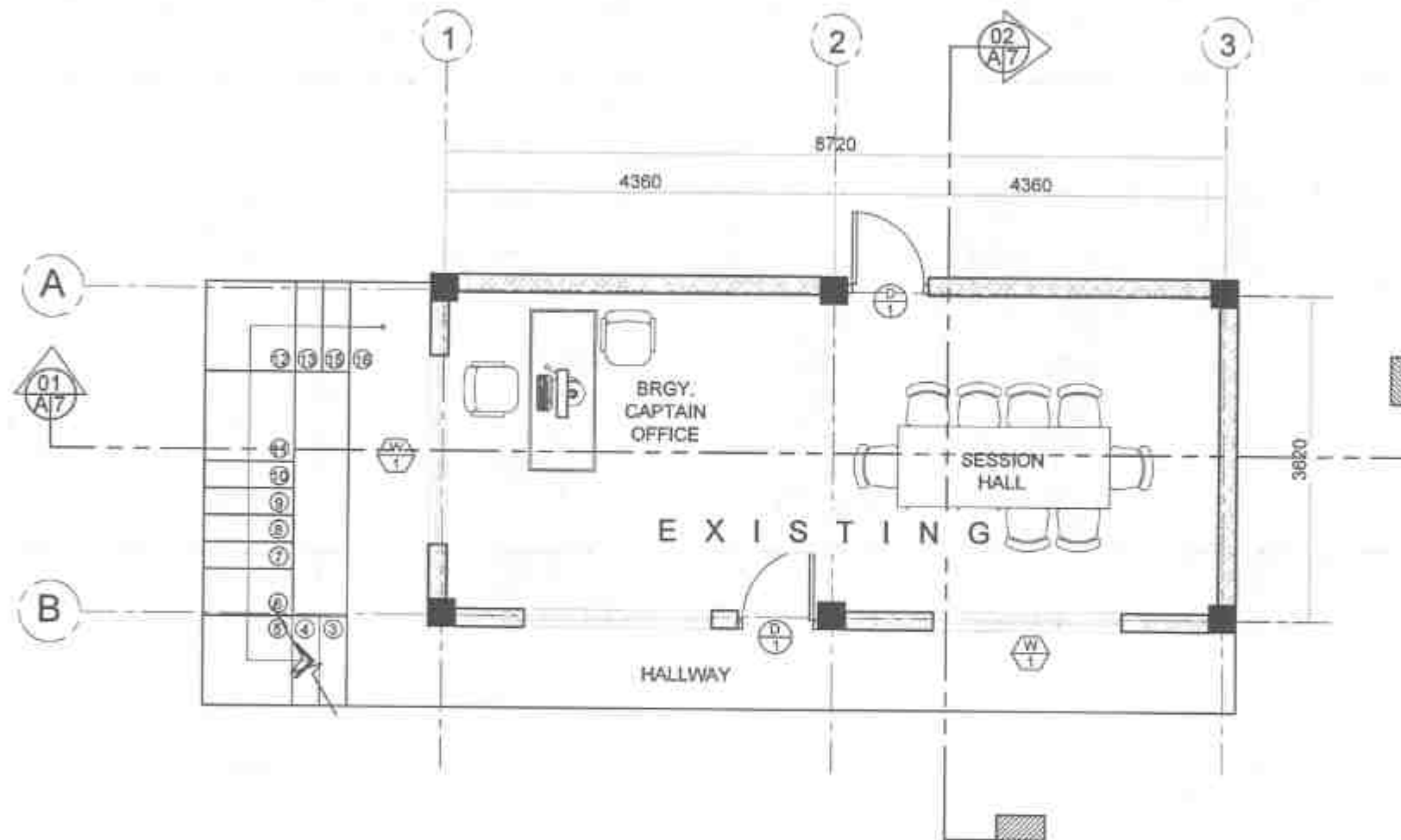
TECHNICAL DESCRIPTIONS		
LINES	BEARINGS	DISTANCES
BOUNDARY, A=3,131 Sq.m.		
1 2	S 38°43' E	17.59 m.
2 3	S 17°47' W	51.02 m.
3 4	S 37°56' W	43.67 m.
4 5	N 39°06' W	46.83 m.
5 1	N 45°16' E	85.82 m.
TIE LINES from BLM No.1 CAD 760-D to corner "1"		
LOTS	BEARINGS	DISTANCES
4025	N 23°46' W	3,248.23 m.

REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGION VII SOUTHERN LEYTE 2ND DISTRICT ENGINEERING OFFICE 2300C, SOUTHERN LEYTE	PROJECT NAME AND LOCATION	SHEET CONTENTS	DESIGNED: MARTIN M. TORERA DRAWN: MARTIN M. TORERA CHECKED: MARTIN M. TORERA DATE: MAR 09 2025	REVIEWED: WILSON M. VILLARINO ENGINEER I DATE: MAR 06 2025	SUBMITTED: RAMON C. RUIZ CHIEF, PLANNING AND DESIGN SECTION DATE: MAR 06 2025	RECOMMENDED: EDUARDO V. SANTOS ASSISTANT DISTRICT ENGINEER DATE: MAR 07 2025	APPROVED: EDUARDO V. SANTOS DISTRICT ENGINEER DATE: MAR 07 2025	SET NO.: A SHEET NO.: 06
	SUBMITTANCE AND SPECIAL REQUIREMENTS (ASAP) BEFORE SIGNATURE APPROVAL - MULTIPURPOSE BUILDING FACILITY TO SUPPORT LOCAL SERVICES - CONSTRUCTION (COMPLETION) OF MULTIPURPOSE BUILDING SITUATED BY NATIONAL HIGHWAY DIVISION SOUTHERN LEYTE	SITE DEVELOPMENT PLAN						



01 GROUND FLOOR PLAN
A-2 SCALE 1:50 MTS.

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: COMMERCIAL AND SPECIAL SUPPORT PROGRAM - BAKI BAKI BAKI BAKI PROGRAM - BAKI BAKI BAKI BAKI BAKI BAKI BAKI BAKI BAKI BAKI CONSTRUCTION SUPERVISOR OF BAKI BAKI BAKI BAKI BAKI BAKI SOUTHERN LEYTE, SOUTHERN LEYTE	SHEET CONTENTS: GROUND FLOOR PLAN	DRAFTED: HEAVY B. BAKI BAKI BAKI BAKI BAKI BAKI BAKI BAKI BAKI BAKI DATE: MAR 06 2025	REVIEWED: MIKE BAKI BAKI BAKI BAKI BAKI BAKI BAKI BAKI BAKI BAKI DATE: MAR 06 2025	SUBMITTED: RAINIER L. BAKI BAKI BAKI BAKI BAKI BAKI BAKI BAKI BAKI BAKI DATE: MAR 06 2025	RECOMMENDED: EDUARDO V. BAKI BAKI BAKI BAKI BAKI BAKI BAKI BAKI BAKI BAKI DATE: MAR 07 2025	APPROVED: EDUARDO V. BAKI BAKI BAKI BAKI BAKI BAKI BAKI BAKI BAKI BAKI DATE: MAR 07 2025	SHEET NO.: A 2 OF 10 SHEET NO.: 07 29
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01 SECOND FLOOR PLAN
A-3 SCALE 1:50 MTS.



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGION VB
SOUTHERN LEYTE 2ND DISTRICT
ENGINEERING OFFICE
90000 SOUTHERN LEYTE

PROJECT NAME AND LOCATION
SUBMITTER'S AND SPECIAL SERVICE PROVIDER - BUREAU OF INFRASTRUCTURE
PROVISION - ALL INFORMATION IS SUBJECT TO SUPPORT LOCAL SERVICES
CONSTRUCTION (COMPLETION OF ALL PURPOSES) BUREAU
BUREAU OF INFRASTRUCTURE, BUREAU OF INFRASTRUCTURE, BUREAU OF INFRASTRUCTURE

SHEET CONTENTS
SECOND FLOOR PLAN

DRAWN BY: HEAVY ENGINEERING
MAR 04 2025
PREPARED BY: HEAVY ENGINEERING
MAR 04 2025

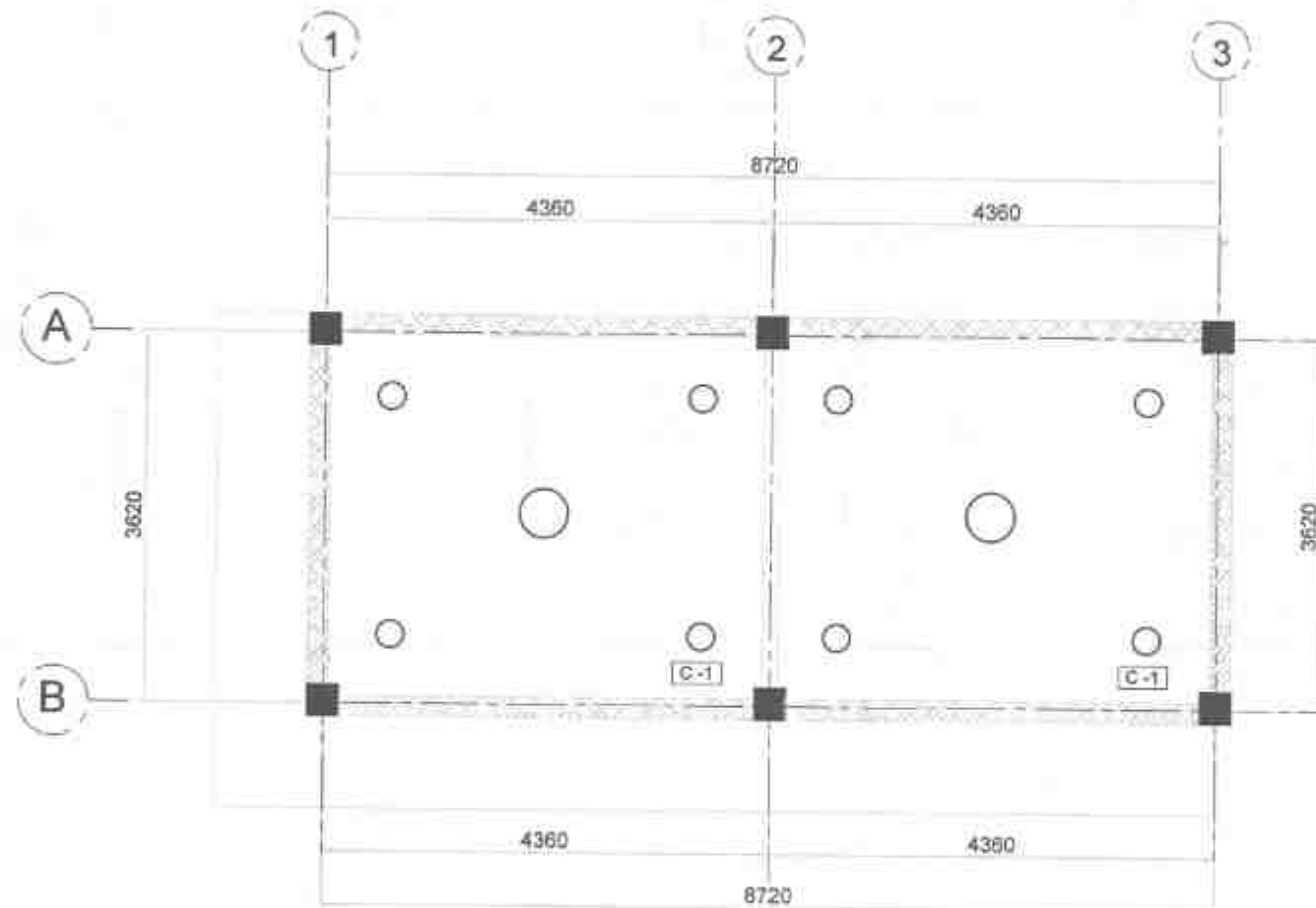
REVIEWED BY: MIE MINDA M. VILASORON
MAR 06 2025

SUBMITTED BY: RAINER L. RUIZ
MAR 06 2025

RECOMMENDED BY: RAINER L. RUIZ
MAR 07 2025

APPROVED BY: EDUARDO V. SANTON
MAR 07 2025

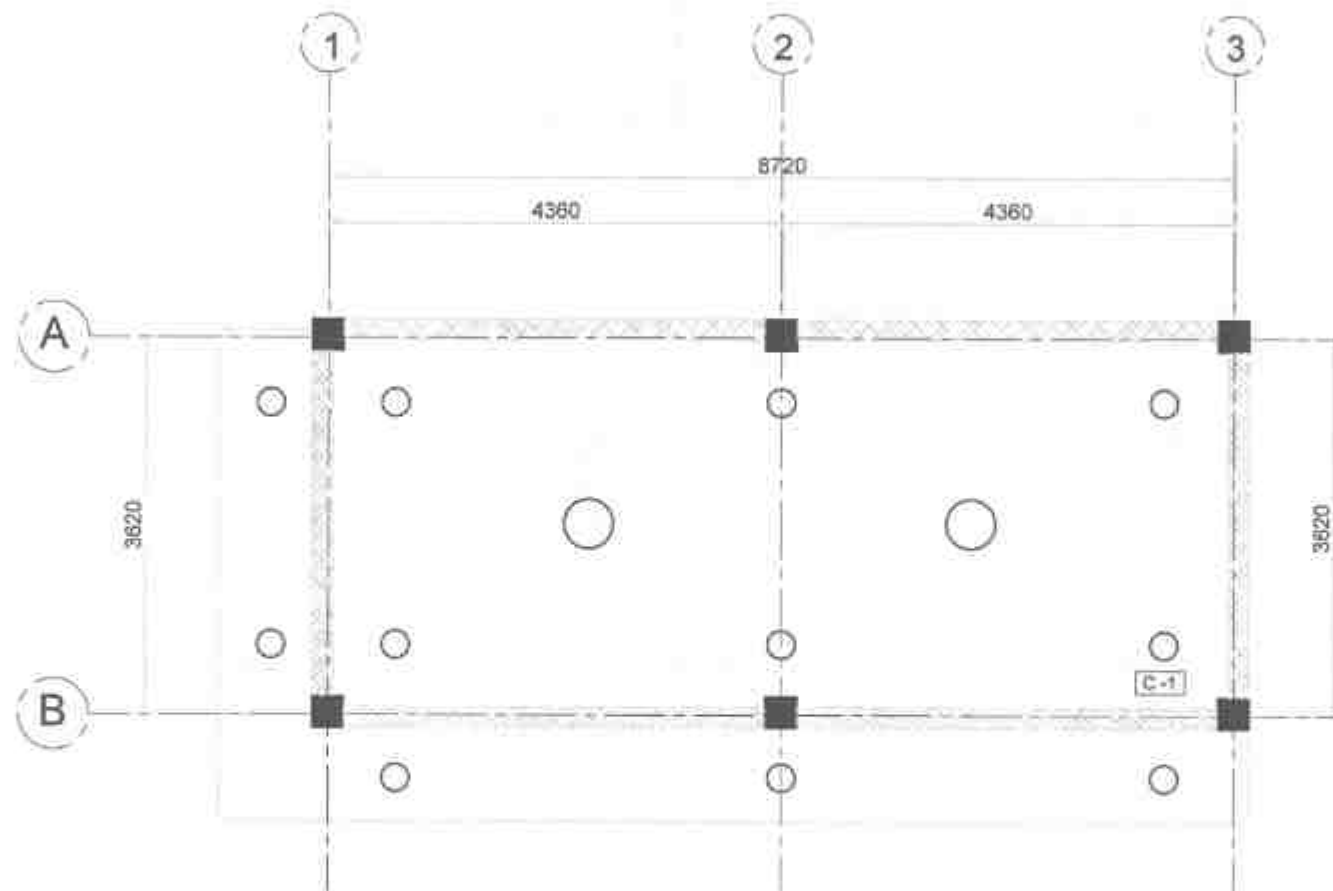
SET NO. 2 10
SHEET NO. 08 29



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

SCHEDULE OF FINISHES	
C-1	4.5mm THK FIBER CEMENT BOARD SUSPENDED ON METAL FRAME PAINTED FINISH

REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGION VI SOUTHERN LEYTE 2ND DISTRICT ENGINEERING OFFICE SOCCO, SOUTHERN LEYTE	PROJECT NAME AND LOCATION: APPROVED AND SPECIAL SUPERVISOR (ASAP) - BUREAU ENGINEERING OFFICE - SOUTHERN LEYTE DIVISION - SOCCO APPROVED AND SPECIAL SUPERVISOR (ASAP) - SOUTHERN LEYTE DIVISION - SOCCO	SHEET CONTENTS: GROUND FLOOR REFLECTED CEILING PLAN	DRAFTED: KEVIN A. GONZA DATE: MAR 04 2025	REVIEWED: MICHAEL W. VILLANUEVA DATE: MAR 06 2025	SUBMITTED: RAIMUND L. RUIZ DATE: MAR 06 2025	RECOMMENDED: REYNOLDO R. RUIZ DATE: MAR 07 2025	APPROVED: EDUARDO V. SANTOS DATE: MAR 07 2025	SHEET NO. A	SHEET NO. 28
			DATE: MAR 04 2025	DATE: MAR 06 2025	DATE: MAR 06 2025	DATE: MAR 07 2025	DATE: MAR 07 2025	4	28



01
A-5
SECOND FLOOR
REFLECTED CEILING PLAN
SCALE 1:50 MTS.

SCHEDULE OF FINISHES	
C-1	4.5mm THK FIBER CEMENT BOARD SUSPENDED ON METAL FRAME PAINTED FINISH

 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGION VII SOUTHERN LEYTE 2 ND DISTRICT ENGINEERING OFFICE 3000D, SOUTHERN LEYTE	PROJECT NAME AND LOCATION CONFERENCE AND SPECIAL COURT PROGRAM - BAYAN INFRASTRUCTURE PROGRAM - MULTI-PURPOSE BUILDING FACILITY TO SUPPORT LOCAL GOVERNMENT SUBSTITUTION COMPLETION OF MULTI-PURPOSE BUILDING BUDJALAY BANGALAY, SAN FERNANDO, SOUTHERN LEYTE	SHEET CONTENTS SECOND FLOOR REFLECTED CEILING PLAN	DRAFTED KRISTINE M. RODRIGUEZ DATE: MAR 04 2025 PREPARED J. SANCHEZ DATE: MAR 04 2025	REVIEWED MRS. MINDA M. VILLANUEVA ENGINEER DATE: MAR 06 2025	SUBMITTED RAINEER SCHUMER CHIEF PLANNING & DESIGN SECTION DATE: MAR 06 2025	RECOMMENDED EVELYN M. MAP ASSISTANT DISTRICT ENGINEER DATE: MAR 07 2025	APPROVED EDUARDO V. SANTOS DISTRICT ENGINEER DATE: MAR 07 2025	SET NO. A 10	SHEET NO. 23
			MAR 04 2025		MAR 06 2025		MAR 07 2025		



01 FRONT ELEVATION
A-B SCALE: 1:50 MTS.

TOP OF PARAPET WALL
ELEV. = 7.30m

TOP OF ROOF BEAM
ELEV. = 6.15m

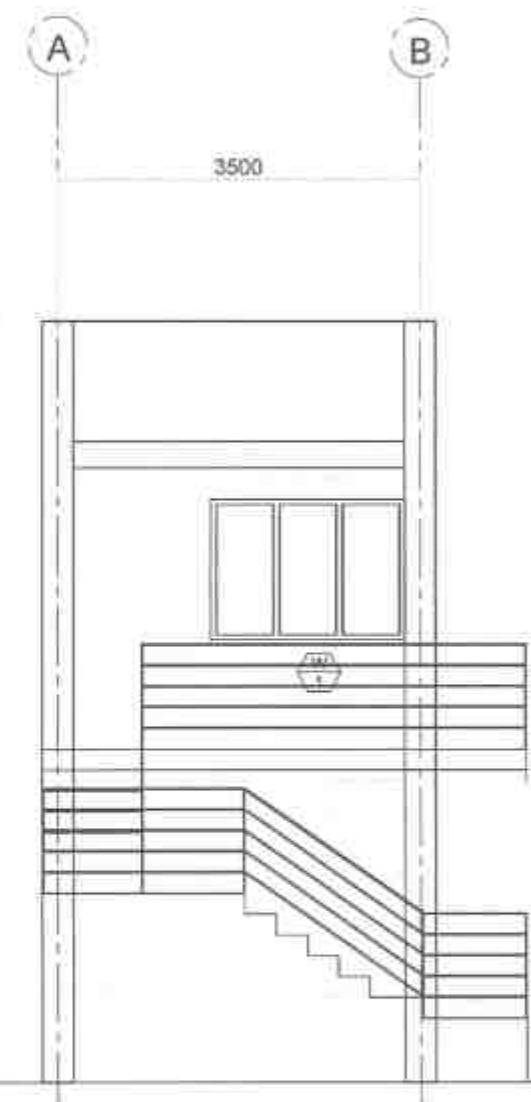
CEILING LINE
ELEV. = 5.80

CEILING LINE
ELEV. = 2.90m

SECOND FLOOR LINE
ELEV. = 3.20m

FINISH FLOOR LINE
ELEV. = 0.20m

NATURAL GRADE LINE
ELEV. = 0.00m



02 LEFT SIDE ELEVATION
A-B SCALE: 1:50 MTS.



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGION VI
SOUTHERN LEYTE 2nd DISTRICT
ENGINEERING OFFICE
3000 SOUTHERN LEYTE

PROJECT NAME AND LOCATION
IMPROVEMENT AND SPECIAL SUPPORT PROGRAM - RAMP INFRASTRUCTURE
PROGRAM - MULTIPURPOSE BUILDING FACILITY TO SUPPORT LOCAL GOVERNMENT
CONSTRUCTION COMPLETION OF MULTIPURPOSE BUILDING
BARANGAY EXTENSION SAN FRANCISCO SOUTHERN LEYTE

SHEET CONTENTS
FRONT ELEVATION
LEFT SIDE ELEVATION

DRAWN BY
KEAVY S. JACOB
DATE
MAR 04 2025

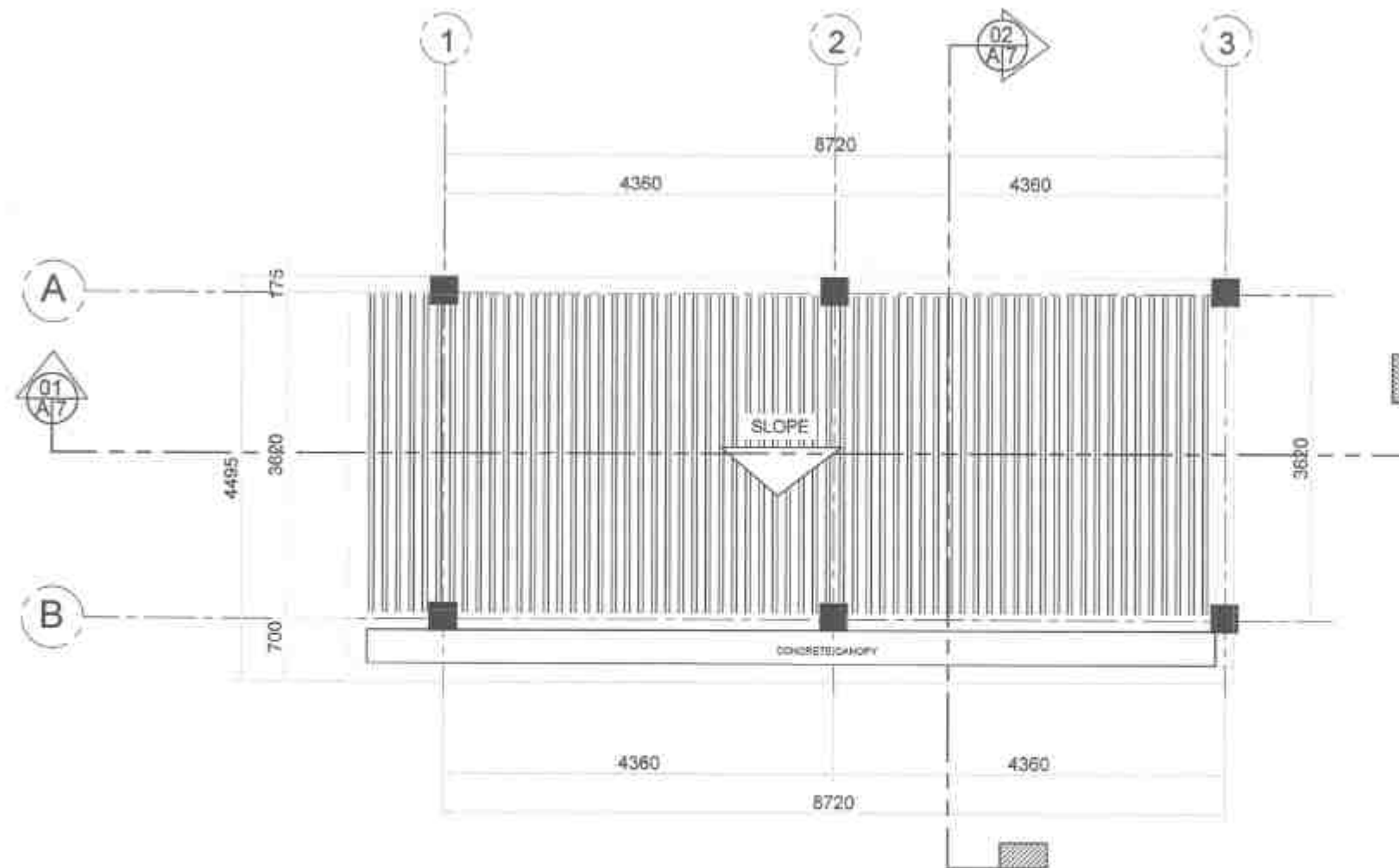
REVIEWED BY
MAR 04 2025
MAR 04 2025

SUBMITTED BY
MAR 06 2025

RECOMMENDED BY
MAR 07 2025

APPROVED BY
MAR 07 2025

SET NO.
A
SHEET NO.
11
25



01 ROOF PLAN
A-8 SCALE 1:50 MTS



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

PROJECT NAME AND LOCATION
IMPROVEMENTS AND SPECIAL SAFETY FEATURES (ROAD REHABILITATION)
PROGRAM - RAILWAY STATION BUILDING (RAILWAYS TO SUPPORT LOCAL SERVICE -
CONSTRUCTION COMPLETION BY MULTIPURPOSE BUILDING)
GRANITE BUILDING AND TRAINING BUILDING

SHEET CONTENTS
ROOF PLAN

DRAWN BY
KEATY BARBERA
DATE
MAR 04 2025
PREPARED BY
JIMMY BARBERA
DATE
MAR 04 2025

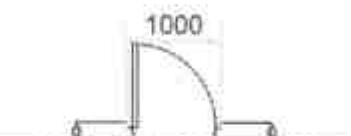
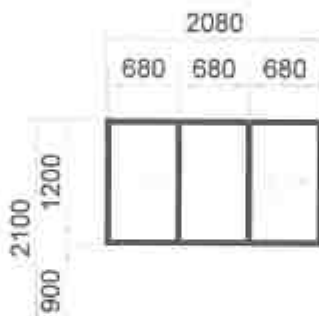
REVIEWED BY
MIGUEL M. VILLASANO
DATE
MAR 06 2025

SUBMITTED BY
RAINIER CORRIJUT
DATE
MAR 06 2025

RECOMMENDED BY
EVELYN G. YAP
DATE
MAR 07 2025

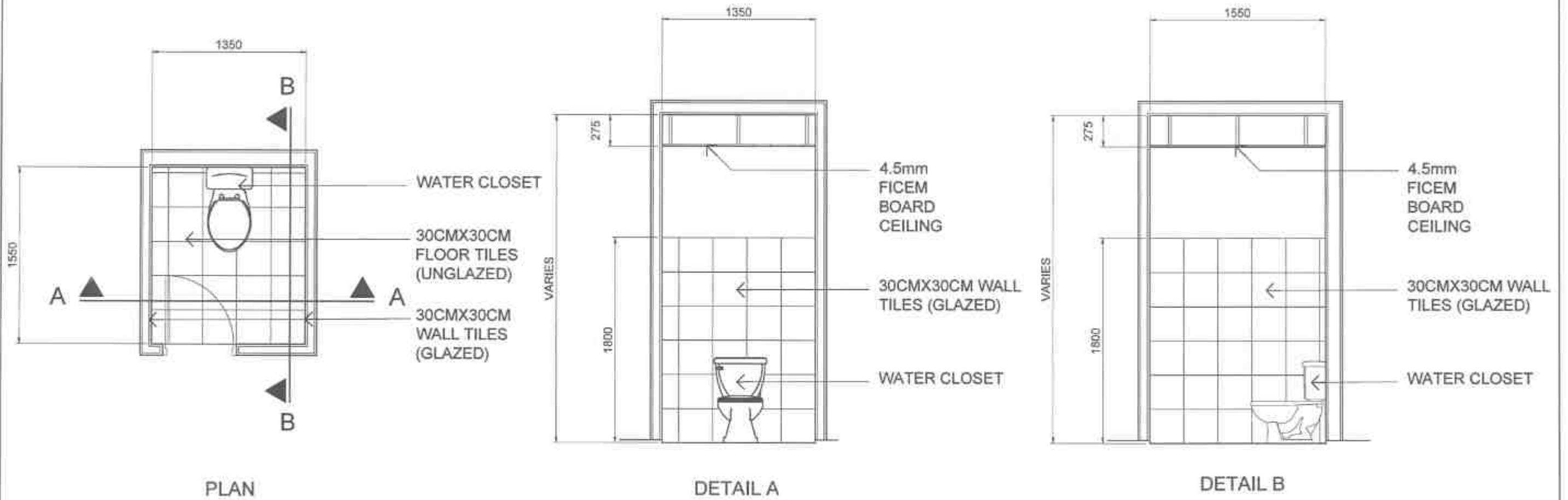
APPROVED BY
EDUARDO V. SANTOS
DATE
MAR 07 2025

SHEET NO.
13
SHEET NO.
25

PLAN		
ELEVATION		
FIN. FLOOR LINE SCHEDULE		
DESCRIPTION	6MM THK SLIDING WINDOW GLASS	WOODEN PANEL DOOR
NO. OF SETS	3 SET	1 SET
LOCATION	GROUND FLOOR: BHW, SECOND FLOOR: BARANGAY CAPTAIN OFFICE SESSION HALL	GROUND FLOOR: BHW, DAYCARE SECOND FLOOR: SESSION HALL

01 SCHEDULE OF DOORS AND WINDOWS
A-9 SCALE 1:50 MTS.

 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGION VII SOUTHERN LEYTE 2 ND DISTRICT ENGINEERING OFFICE 8000 SOUTHERN LEYTE	PROJECT NAME AND LOCATION	SHEET CONTENTS	DRAFTED REYAN L. LINDERA DATE: MAR 04 2025	REVIEWED MICHELLE M. VILLALBA DATE: MAR 06 2025	SUBMITTED RAINIER V. RUIZ DATE: MAR 06 2025	RECOMMENDED EDUARDO V. SANTOS DATE: MAR 07 2025	APPROVED EDUARDO V. SANTOS DATE: MAR 07 2025	SHEET NO. 14	SHEET NO. 28
	CONFORMANCE AND SPECIAL REQUIREMENTS: ASSESS INFRASTRUCTURE PRIMARY - MULTIPURPOSE BUILDING FACILITIES TO SUPPORT LOCAL SECURITY; SECONDARY - CONSTRUCTION COMPLETION OF MULTIPURPOSE BUILDING; TERTIARY - CONSTRUCTION OF INFRASTRUCTURE, SOUTHERN LEYTE	SCHEDULE OF DOORS AND WINDOWS	PREPARED JUNIOR M. VILLALBA DATE: MAR 04 2025	DATE: MAR 06 2025	DATE: MAR 06 2025	DATE: MAR 07 2025	DATE: MAR 07 2025		



01 TOILET DETAIL
A-9 SCALE: 1:35 MTD.

 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGION 10 SOUTHERN LEYTE 2ND DISTRICT ENGINEERING OFFICE BOSQUE, SOUTHERN LEYTE	PROJECT NAME AND LOCATION CONSTRUCTION AND SPECIAL REPORT PROGRAMS: BASIC INFRASTRUCTURE PROGRAM - AND SUPPORTING BUILDING FACILITIES TO SUPPORT LOCAL SERVICES - CONSTRUCTION COMPLETION OF MULTIPURPOSE BUILDING - BANGALAY BANGALAY AND BANGALAY BANGALAY	SHEET CONTENTS TOILET DETAIL	DRAWN BY: HEAVY D. CORDERA DATE: MAR 06 2025 CHECKED BY: JAMES M. VILLASANO DATE: MAR 06 2025	REVIEWED BY: NIKO M. VILLASANO DATE: MAR 06 2025	SUBMITTED BY: RAIMON C. CRUZ DATE: MAR 06 2025	RECOMMENDED BY: EVERALDO R. RAY DATE: MAR 07 2025	APPROVED BY: EDUARDO V. SANTOS DATE: MAR 07 2025	SET NO. 10 SHEET NO. 28
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Government Career Counseling Policy
Uttara

Project: _____ Code: _____

Location: _____ Fund Source(s): _____

Implementing Agency/ies: _____

Development Partner/s: _____

Commission/Supplier: _____

Brief Description of Project: _____

Project Data			Project Status				
Duration	Started	Target Date of Completion	Percentage of Completion	No of Client	Cost Incurred to Date	Date Completion	Remarks

For particulars on commitments about this project, please contact the Regional Office or Quarter which has authority jurisdiction on this project.

COA Regional Office (You/Quarter): _____

Address: _____

Contact No.: _____ or State COA (Chennai) Secret at 0951100290

[illegible] NOTICE TO THE PUBLIC

This is to inform that (name of proponent) has been issued with Certificate of Non-Coverage (CNC) No. _____ by the DEN-Environmental Management Bureau R8 for the (name of project) Located at (project location) Issued on _____

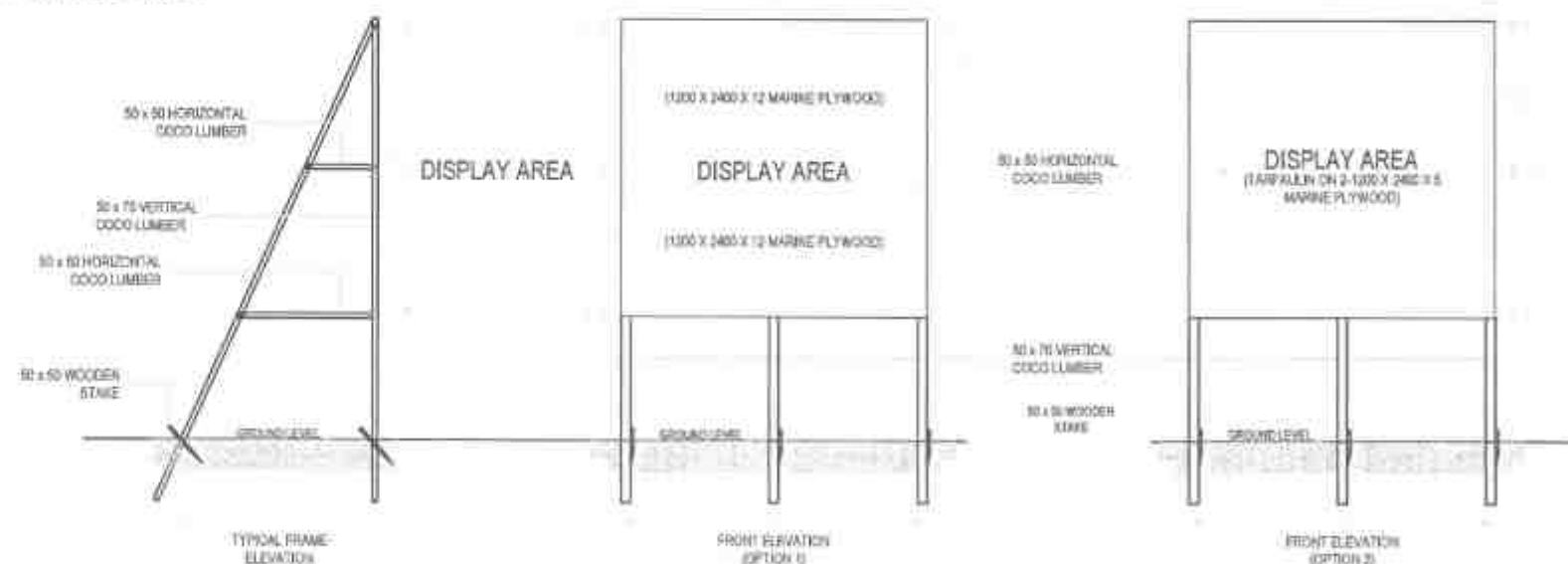
NOTE: CNC BILLBOARD (4' x 8')
INSTALLATION OF BILLBOARD SHALL CONFORM WITH
DEPARTMENT ORDER NO. 11, DATES OF 2022, REVISED
GUIDE LINE ON THE INSTALLATION PROJECT BILLBOARD

- [illegible]

SPECIFICATIONS :

COA STANDARD PROJECT BILLBOARD

Tarpaulin, white, 8 ft x 8 ft
Resolution: 70 dpi
Font: Helvetica
Font size: Main Information - 3"
Sub-Information - 1"
Font Color: Black



BILLBOARD FRAME

NOT TO SCALE. ALL DIMENSIONS ARE IN INCHES.

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

PROJECT NAME AND LOCATION:

GOVERNMENT AND SPECIAL SUPPORT PROGRAMS, EDUCATIONAL INSTITUTE
PROGRAMS, MULTIPURPOSE AND HAVE FACILITIES TO SUPPORT LOCAL AGENCIES
CONSTRUCTION (CONSTRUCTION) OF ALL PURPOSES BUILDINGS
Administration (Administration) New York City, New York 10011-1111

1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 26

504

RECEIVED
MAR 04 2025
MAR 04 2025

1500-0734

MUSE NIÑO DE VILLAGECICO
MAR 06 2025

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RAINIER LOWE, JR.
CITY PLANNING COMMISSION
MAR 06 2022

Year	Population
1990	100
2000	110
2010	120
2020	130
2030	140
2040	150
2050	160
2060	170
2070	180
2080	190
2090	200
2100	210

RECOMMENDED
 [Signature]
 ASSISTANT DISTRICT ENGINEER
 MAR 07 2025

--	--

EDUARDO V. BASTOS
0643207-8
MAR 07 2002

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SHEET NO.		SHEET NO.	
			

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 SPICE & 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 8.90 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 VIII
SOUTHERN LEYTE 2ND DISTRICT
ENGINEERING OFFICE
BOHOL, SOUTHERN LEYTE

PROJECT NAME AND LOCATION
REFERENCE AND SPECIAL INSTRUCTIONS: BASIC INFRASTRUCTURE PROGRAM - MULTIPURPOSE BUILDING TO SUPPORT LOCAL SERVICES - CONSTRUCTION UNDER STUDY OF MALAPUANG TOWN AND SUBDIVISION, SAN FRANCISCO, SOUTHERN LEYTE

SHEET CONTENTS
CONSTRUCTION NOTES

DRAWN BY: ALEJANDRO S. TANG JR.
CHECKED BY: MAR 03 2025
APPROVED BY: MAR 03 2025

REVIEWED BY: MAR 06 2025
APPROVED BY: MAR 06 2025

DESIGNED BY: RANIER LOO C. RUIZ
CHECKED BY: MAR 06 2025
APPROVED BY: MAR 06 2025

RECOMMENDED BY: EVAN M. MAP
CHECKED BY: MAR 07 2025
APPROVED BY: MAR 07 2025

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

SHEET NO. 8
SHEET NO. 17

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 SPLICED ONLY WITHIN THE MIDDLE THIRDS OF THE CLEAR HEIGHT OR OUTSIDE THE DISTANCE OF 500mm FROM FLOOR OR BEAM SOFFIT.
4. ALL COLUMN REINFORCEMENT SPLICING SHALL BE STAGGERED AT A DISTANCE OF 600mm.
5. COLD JOINTS SHALL BE ALLOWED ONLY OUTSIDE A DISTANCE OF 700mm FROM FLOOR OR BEAM SOFFIT.
6. PROVIDE ADEQUATE CONTROL JOINTS FOR ALL CONCRETE COLD JOINTS.
7. WHERE COLUMNS CHANGE IN SIZE, VERTICAL REINF. SHALL BE OFFSET AT A SLOPE OF NOT MORE THAN 1 IN 6 AND EXTRA 10mm TIES at 100mm SHALL BE PROVIDED THRU OFFSET REGION.
8. UNLESS OTHERWISE INDICATED IN THE PLANS, LAP SPLICES FOR VERTICAL COLUMN REINFORCEMENT SHALL BE MADE WITHIN THE CENTER HALF OF COLUMN HEIGHT, AND THE SPLICE LENGTH SHALL NOT BE LESS THAN 40 times BAR DIAMETERS. WELDING OR APPROVED MECHANICAL DEVICES MAY BE USED PROVIDED THAT MORE THAN ALTERNATE BARS ARE WELDED OR MECHANICALLY SPLICED AT ANY LEVEL AND THE VERTICAL DISTANCES BETWEEN THESE WELDS OR SPLICES OF ADJACENT BARS IS NOT LESS THAN 600mm.

F. NOTES ON BEAMS.

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

G. NOTES ON SLABS.

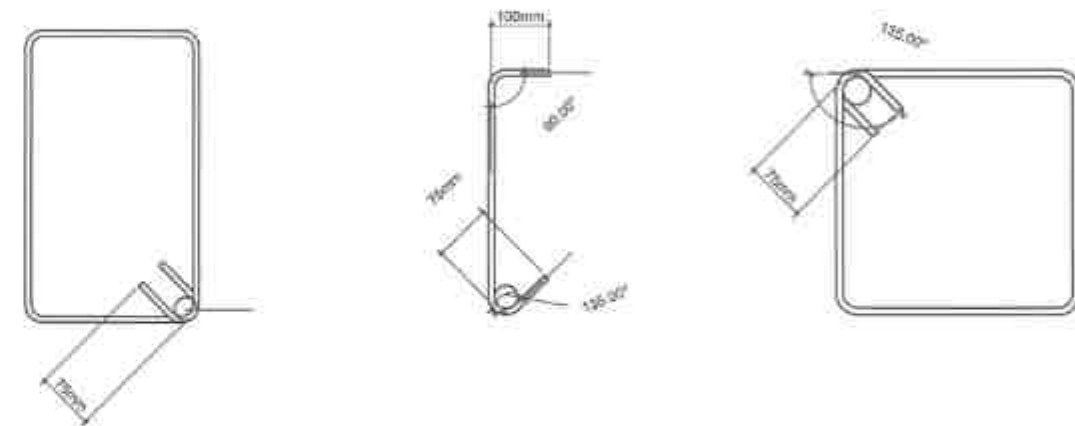
1. SLAB CONCRETE SHALL HAVE A 28-DAY COMPRESSIVE STRENGTH ATLEAST $f_c = 3500\text{psi} / 24\text{Mpa}$.
2. SLAB REINFORCEMENT SHALL BE GRADE 40 or $f_y = 40\,000\text{ psi} / 275\text{ Mpa}$.
3. SLAB CONCRETE SHALL BE POURED MONOLITHICALLY WITH THE SUPPORTING BEAMS. NO COLD JOINTS ALLOWED.
4. NO ELECTRICAL/PLUMBING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

H. STRUCTURAL JOINTS.

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

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

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



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

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



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

PROJECT NAME AND LOCATION
SOUTHERN LEYTE 2ND DISTRICT
ENGINEERING OFFICE
CAGAYAN DE ORO

SHEET CONTENTS
CONSTRUCTION NOTES

DRAFTED
ALFONSO C. STANIS JR.

REVIEWED
MAR 06 2025

APPROVED
MAR 07 2025

REVIEWED
MAR 06 2025

APPROVED
MAR 07 2025

REVIEWED
MAR 06 2025

APPROVED
MAR 07 2025

REVIEWED
MAR 06 2025

APPROVED
MAR 07 2025

REVIEWED
MAR 06 2025

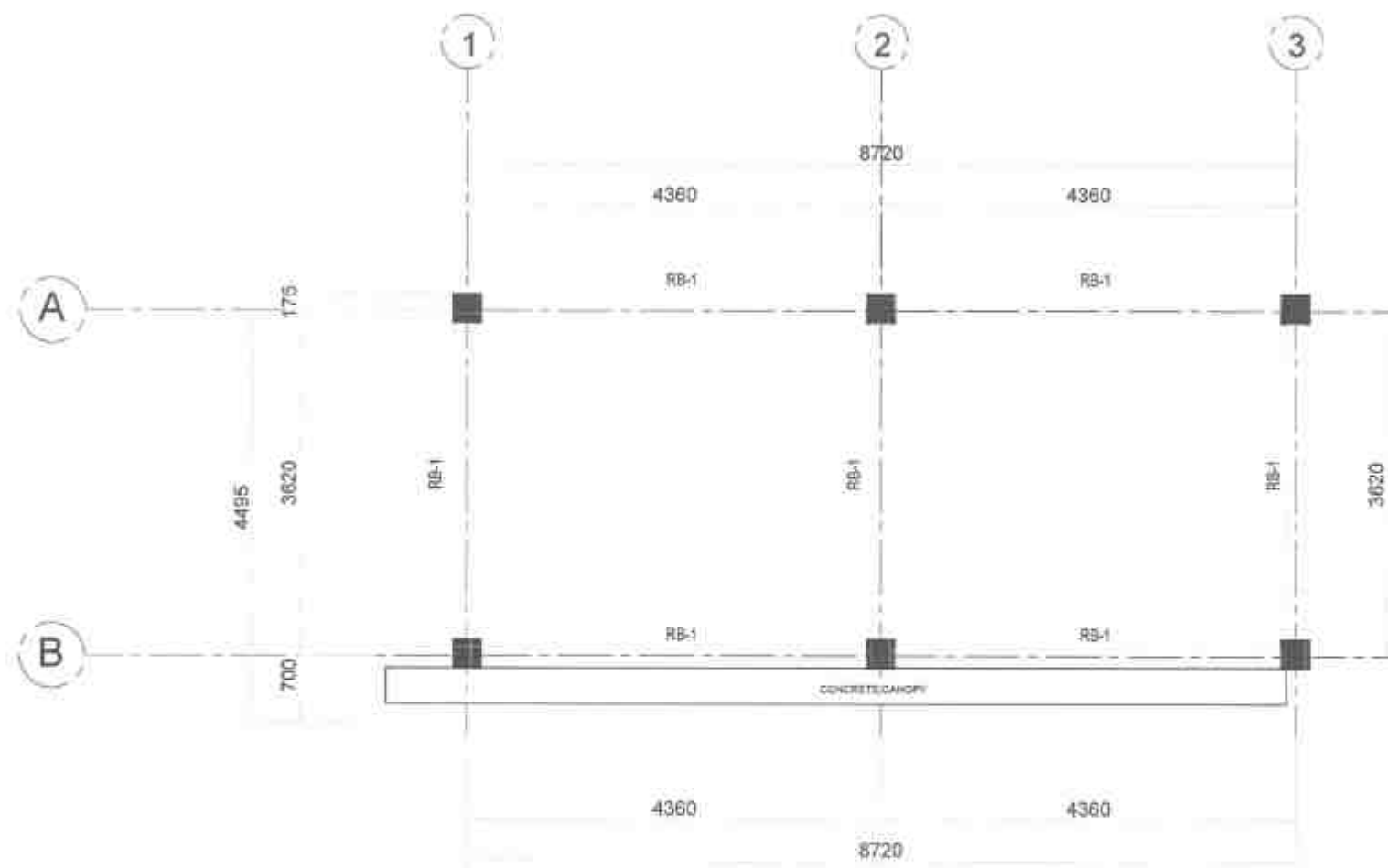
APPROVED
MAR 07 2025

REVIEWED
MAR 06 2025

APPROVED
MAR 07 2025

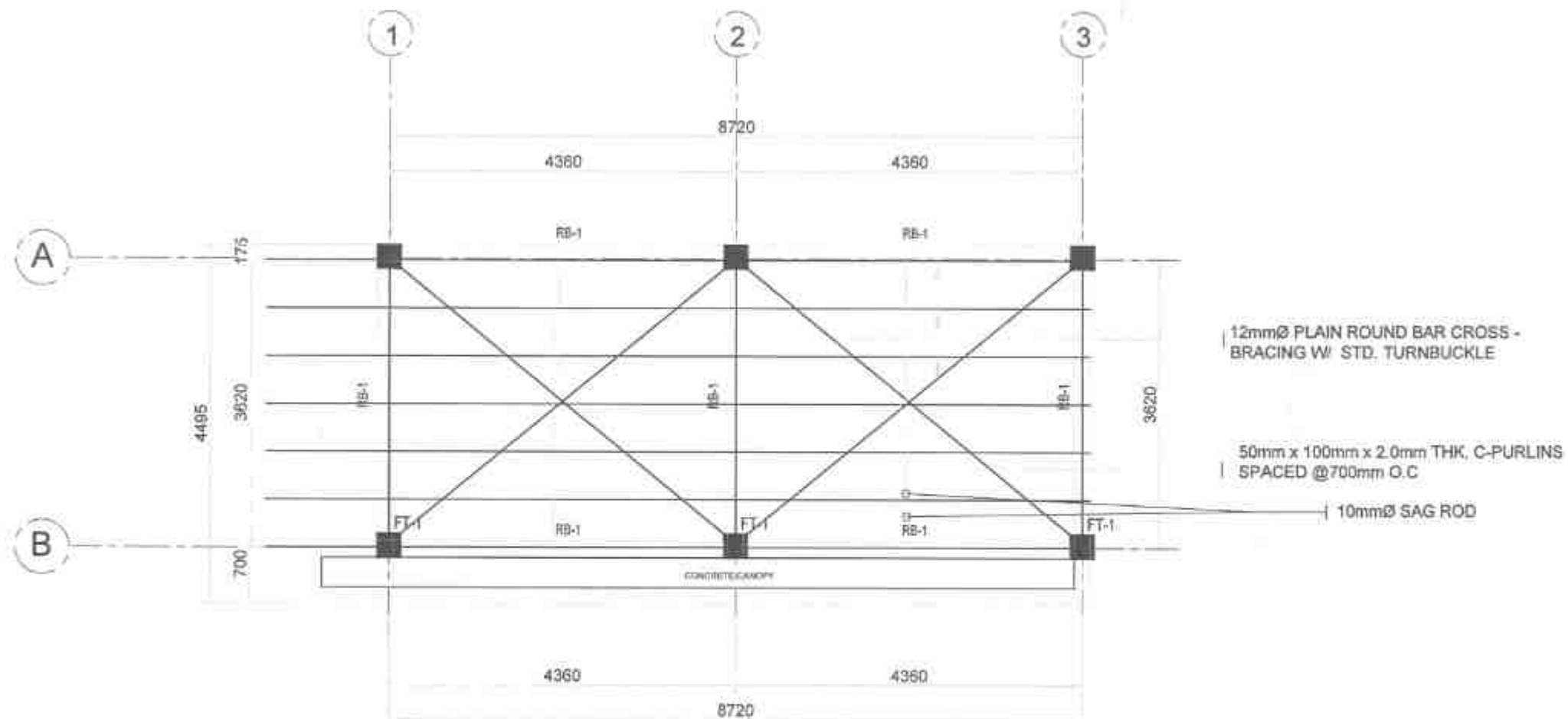
REVIEWED
MAR 06 2025

APPROVED
MAR 07 2025



01 ROOF BEAM FRAMING PLAN
S-6 SCALE 1:50 MTS.

 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS Region VII SOUTHERN LEYTE 2nd DISTRICT ENGINEERING OFFICE BOJALDE SOUTHERN LEYTE	PROJECT NAME AND LOCATION AMBASSADOR AND SPECIAL SUPPORT PROGRAM - BASIC INFRASTRUCTURE PROGRAM - MULTIPURPOSE BUILDINGS REQUIRED TO SUPPORT LOCAL RESOURCES (CONSTRUCTION COMPLETION BY MULTIPURPOSE BUILDINGS) BOJALDE SOUTHERN LEYTE	SHEET CONTENTS ROOF BEAM FRAMING PLAN	DESIGNED BY ALEJANDRO C. ESTARDO JR. CHECKED BY JAMES A. C. VILLASANO DATE MAR 04 2025	REVIEWED BY NICK HIGDON VILLASANO DATE MAR 06 2025	SUBMITTED BY RAINER LOY C. RUIZ DATE MAR 06 2025	RECOMMENDED BY FRAN YACUAP DATE MAR 07 2025	APPROVED BY EDUARDO V. SANTOS DATE MAR 07 2025	SET NO. 3 SHEET NO. 18
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01 ROOF FRAMING PLAN
S-4 SCALE 1:50 MTS.



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGION VII
SOUTHERN LEYTE 2nd DISTRICT
ENGINEERING OFFICE
85000 SOUTHERN LEYTE

PROJECT NAME AND LOCATION
CONFERENCE AND SPECIAL AIRPORT PROGRAM - ROAD INFRASTRUCTURE
PROGRAM - MULTIPURPOSE BUILDING FACILITIES TO SUPPORT LOCAL SERVICES -
CONSTRUCTION (COMPLETION) OF MULTIPURPOSE BUILDING
SOUTHERN LEYTE, SOUTHERN LEYTE

SHEET CONTENTS
ROOF FRAMING PLAN

DRAFTED:
ALEXANDER D. TANG JR.
ENGINEER
CHECKED:
JUNIOR D. TANG
ENGINEER
DATE: MAR 04 2025

REVIEWED:
MINI-RONALDE M. VELASQUEZ
ENGINEER
DATE: MAR 06 2025

SUBMITTED:
DANIEL L. RUIZ
CHIEF PLANNING SECTION
DATE: MAR 06 2025

RECOMMENDED:
EVILYN O. RUP
ASSISTANT DISTRICT ENGINEER
DATE: MAR 07 2025

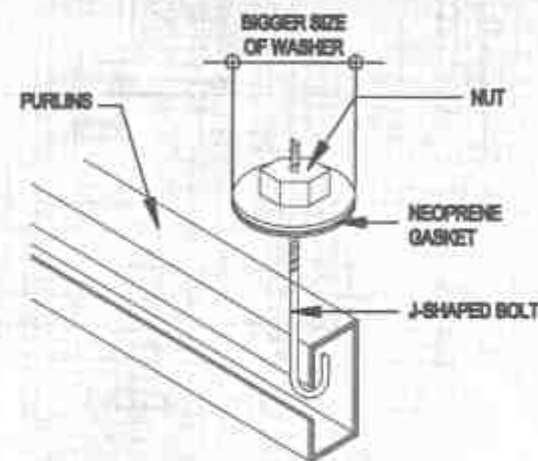
APPROVED:
EDUARDO V. SANTOS
DISTRICT ENGINEER
DATE: MAR 07 2025

SET NO.	SHEET NO.
5	20
4	21

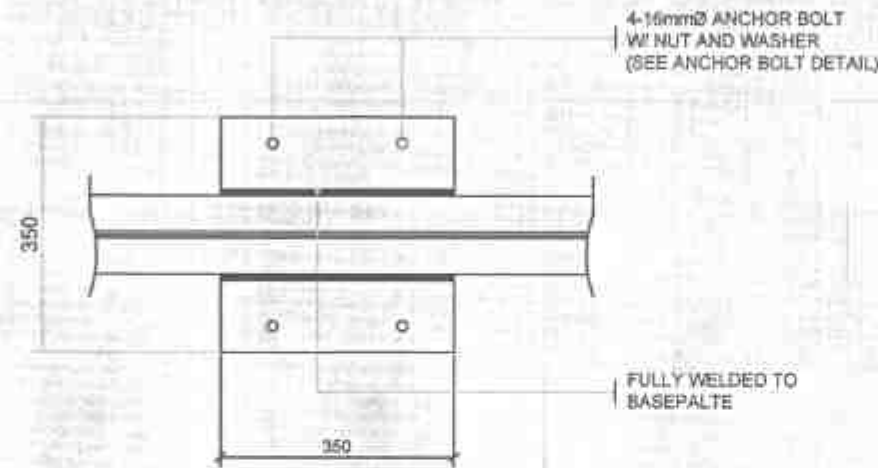
SCHEDULE OF ROOF BEAMS

MARK	DIMENSION (mm)		BAR Ø (mm)	STEEL REINFORCEMENTS						WEB/ TORSION BARS (12mmØ)		STIRRUPS
	B	D		LEFT SUPPORT		MID SPAN		RIGHT SUPPORT				
				TOP	BOTTOM	TOP	BOTTOM	TOP	BOTTOM			
RB-1	250	350	20	3		3		3				A
					3		3		3			

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



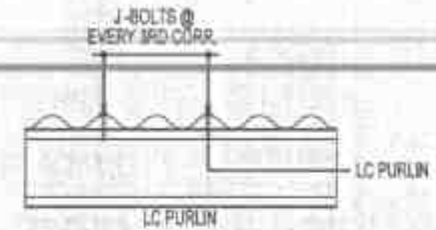
02 ROOFING FIXER
S-8 SCALE 1:10 MTS.



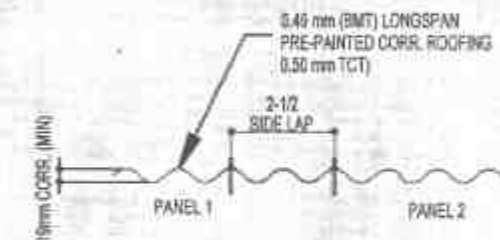
03 BASE PLATE DETAIL
S-8 SCALE 1:10 MTS.



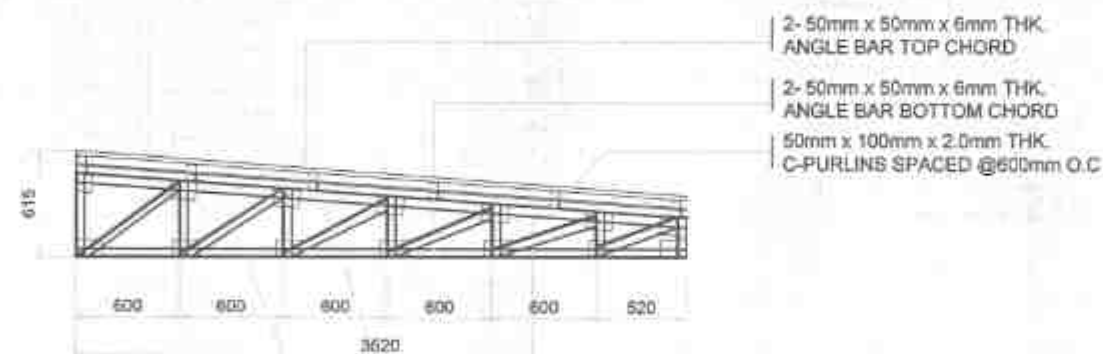
04 ANCHOR BOLT DETAIL
S-8 SCALE MTS.



01 J-BOLT SPACING
S-8 SCALE 1:10 MTS.

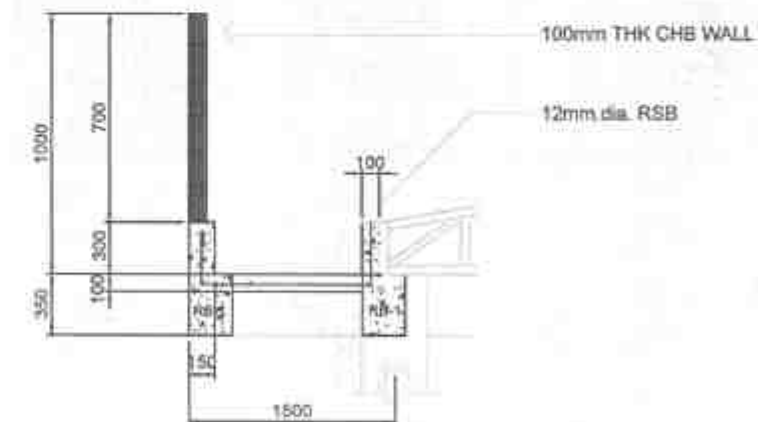


05 ROOF PANEL SIDE LAP DETAIL
S-8 SCALE



06 TRUSS DETAILS
S-8 SCALE 1:30 MTS.

- 2- 50mm x 50mm x 6mm THK. ANGLE BAR TOP CHORD
- 2- 50mm x 50mm x 6mm THK. ANGLE BAR BOTTOM CHORD
- 50mm x 100mm x 2.0mm THK. C-PURLINS SPACED @600mm O.C.
- 10mmØ SAG ROD
- 50mm x 50mm x 6mm THK. ANGLE BAR CLEATS
- 2- 38mm x 38mm x 6mm THK. ANGLE BAR WEB MEMBERS



07 PARAPET DETAILS
S-8 SCALE 1:30 MTS.

12mm dia. RSB SP. AT 0.30m O.C.



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

PROJECT NAME AND LOCATION
CONSTRUCTION AND SPECIAL ASSISTANCE PROGRAM - BASIC INFRASTRUCTURE
PROGRAM - MULTI-PURPOSE BUILDING TO SUPPORT LOCAL SERVICES -
REPAIR/RECONSTRUCTION OF MULTI-PURPOSE BUILDING
BOLINGO, SOUTHERN LEYTE, 2ND DISTRICT, SOUTHERN LEYTE

SHEET CONTENTS
SCHEDULE OF ROOF BEAMS
J-BOLT SPACING
ROOFING FIXER
BASE PLATE DETAIL
ANCHOR BOLT DETAIL
ROOF PANEL SIDE LAP DETAIL
TRUSS DETAILS, PARAPET DETAILS

DRAFTED
ALAN M. C. BRAGA JR.
ENGINEER 1
CHECKED
MAR 04 2025
MAR 04 2025

REVIEWED
MILS. RICO M. VILLASERIO
ENGINEER 2
CHECKED
MAR 06 2025

SUBMITTED
RAINIER L. C. RUIZ
ENGINEER 3
CHECKED
MAR 06 2025

RECOMMENDED
EVELYN D. MALAY
ASSISTANT DISTRICT ENGINEER
CHECKED
MAR 07 2025

APPROVED
EDUARDO V. SANDOS
DISTRICT ENGINEER
CHECKED
MAR 07 2025

RET NO. 8
SHEET NO. 21
20

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	22	800	3.63	2-#3.5 MM ² THHN, 1-#2.0 MM ² TW	13mm Ø PVC	15	2	
2	C.O	8	2880	12.72	2-#5.5 MM ² THHN, 1-#2.0 MM ² TW	20mm Ø PVC	20	2	
3	SPARE	1							
4	SPARE	1							
	MAIN BREAKER		3680	16.35	2-#14.0 MM ² THHN, 1-#5.5 MM ² TW	32mm Ø PVC	60	2	10

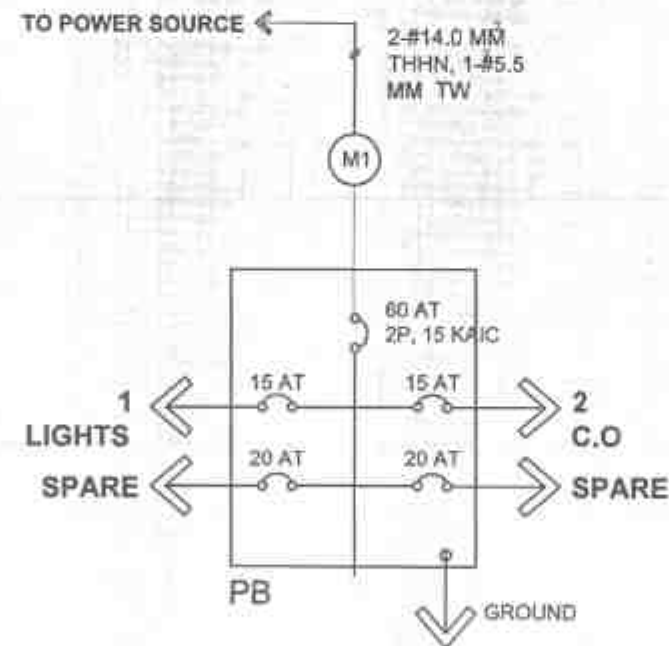
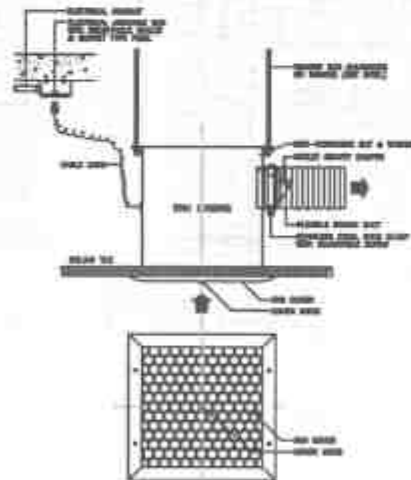
MAIN CONDUCTOR DESIGN:

IC = (16.35) 80%
= 13.08 AMPS

USE: 2- 14.0MM² THHN +
1- 5.5MM² TW

MAIN BREAKER DESIGN:

USE: 60 2P, 220 VOLTS, 10 KAIC



SINGLE LINE DIAGRAM

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 TW/THW 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
	25W PINLIGHTS
	CONVENIENCE OUTLET
	SURFACE TYPE DOWN LIGHT
	MW TL LED TUBE LIGHT W/ DIFFUSER
	CIRCUIT LINE
	SWITCH LINE
	ONE-GANG SWITCH
	TWO-GANG SWITCH
	THREE-GANG SWITCH
	THREE-WAY SWITCH

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



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGION VII
SOUTHERN LEYTE 2ND DISTRICT
ENGINEERING OFFICE
3030C, SOUTHERN LEYTE

PROJECT NAME AND LOCATION:
SOUTHERN LEYTE 2ND DISTRICT ENGINEERING OFFICE
CONSTRUCTION (CONSTRUCTION) OF A BUILDING FOR THE
SOUTHERN LEYTE 2ND DISTRICT ENGINEERING OFFICE

SHEET CONTENTS:
SCHEDULE OF LOADS
ELECTRICAL NOTES
SINGLE LINE DIAGRAM
LEGEND
CEILING EXHAUST FAN

DESIGNED BY: KEVIN RAMBERI L. DUCANO
CHECKED BY: JUANITO G. VILLEJO
DATE: MAR 04 2025

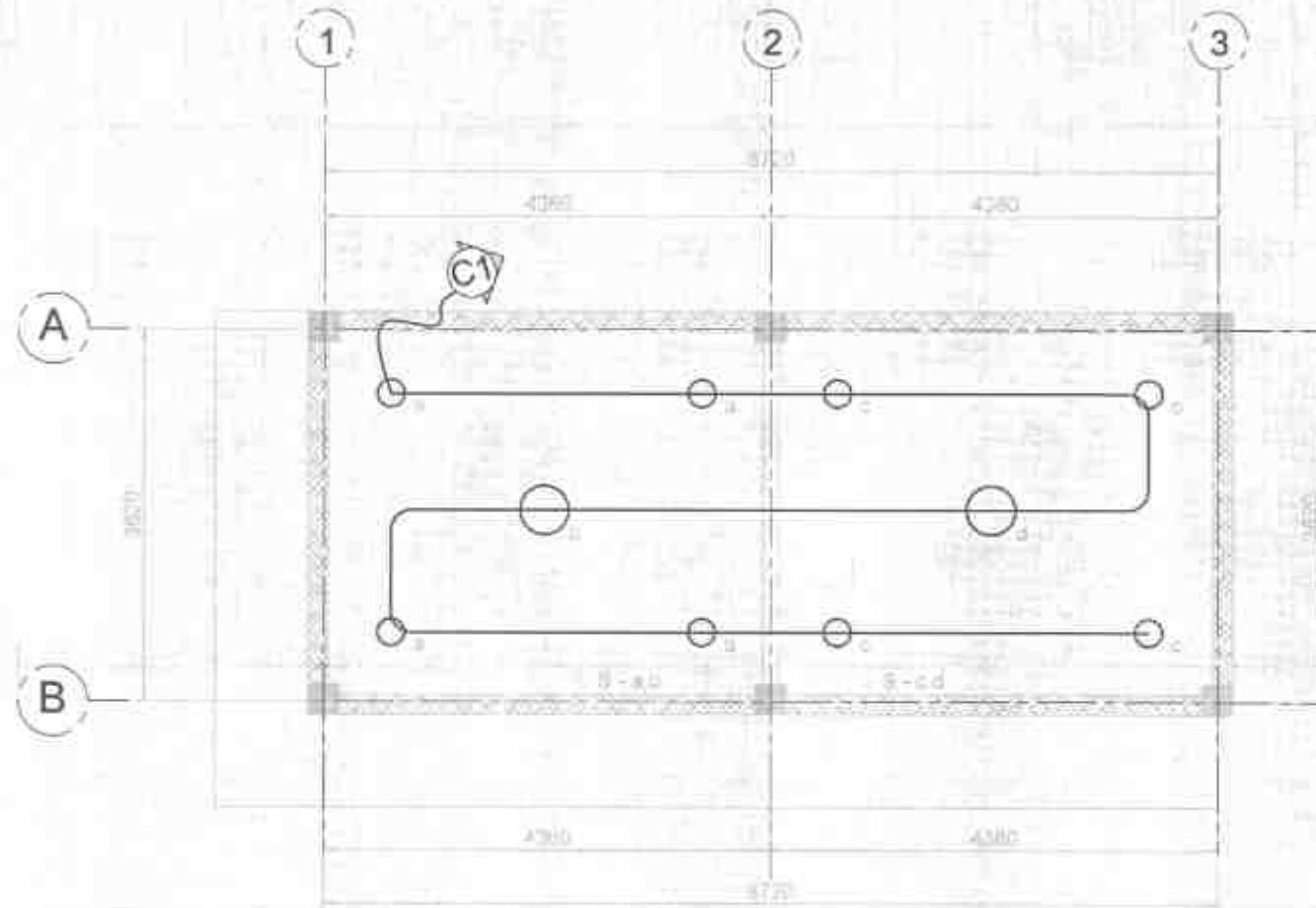
REVIEWED BY: MIKE SUGO M. VILLARINO
DATE: MAR 06 2025

APPROVED BY: RAINER L. C. RUIZ
DATE: MAR 06 2025

RECOMMENDED BY: EYES VILLO YAP
DATE: MAR 07 2025

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

SHEET NO. 22
SHEET NO. 23



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

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



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

PROJECT NAME AND LOCATION

IMPROVEMENT AND SPECIAL SUPPORT PROGRAM (ISAP) INFRASTRUCTURE
PROGRAM - MULTIPURPOSE WILSON FACILITY TO SUPPORT LOCAL GOVERNMENT
CONSTRUCTION COMPLETION OF SOUTHERN LEYTE
WILSON-BORACAY SUPPORTED INFRASTRUCTURE

SHEET CONTENTS

GROUND FLOOR LIGHTING LAYOUT

DRAWN

MARIA JANE L. RUIZ
MAR 02 2025

REVIEWED

MRS. NICO M. VILLARINO
MAR 06 2025

SUBMITTED

RAINER LOPEZ
MAR 06 2025

RECOMMENDED

RYAN M. LAP
MAR 07 2025

APPROVED

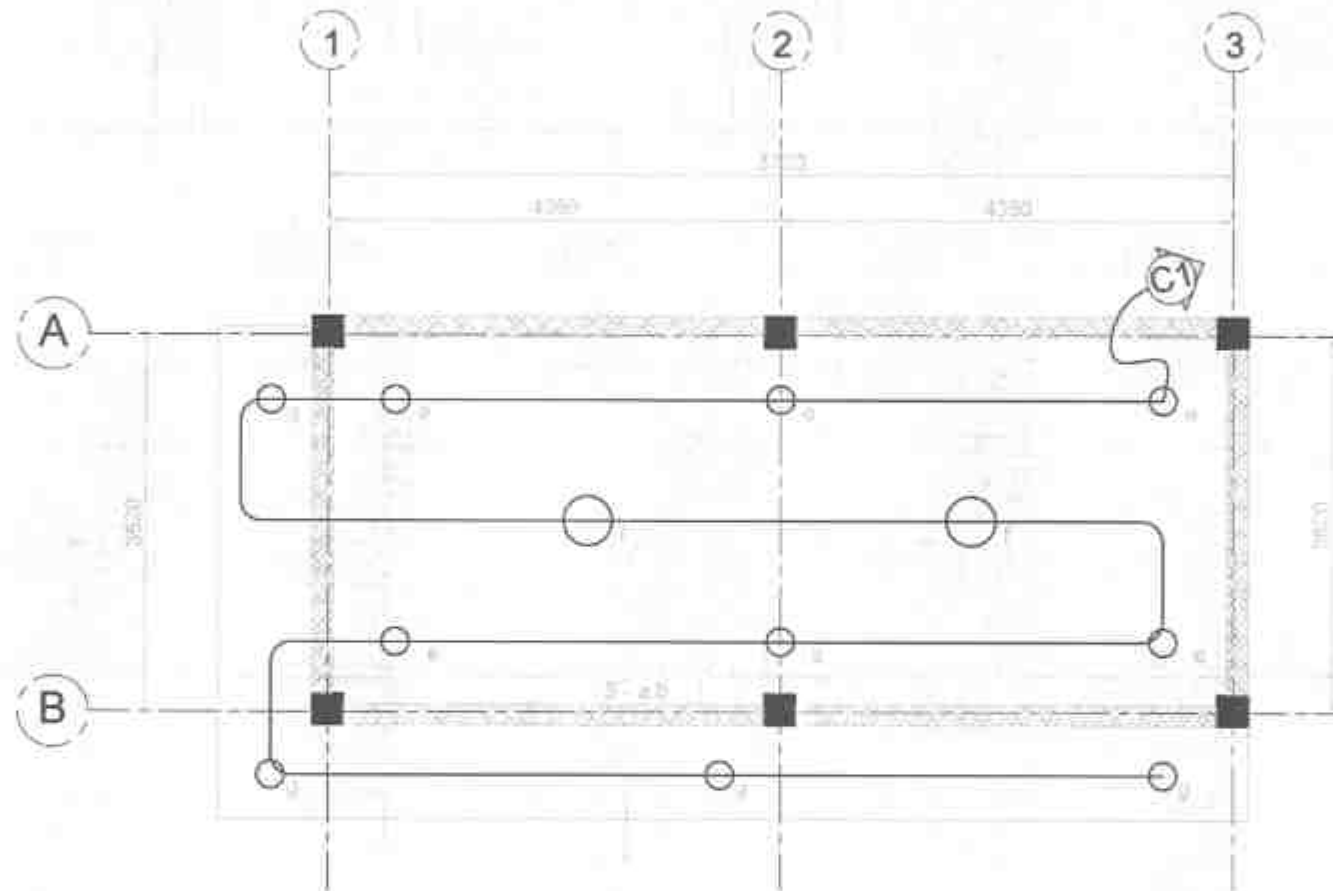
EDUARDO V. SANTOS
MAR 07 2025

SET NO.

E
23

SHEET NO.

29



01 SECOND FLOOR LIGHTING LAYOUT
E-3 SCALE 1:50 MTS.

PROFESSIONAL ELECTRICAL ENGINEER
LICENSE NO. _____
PTR NO. _____
DATE ISSUED NO. _____
PLACE ISSUED _____
T.M.



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

PROJECT NAME AND LOCATION

ADMINISTRATIVE AND SPECIAL SUPPORT PROGRAM - BASIC INFRASTRUCTURE
PROGRAM - MULTIPURPOSE BUILDING FLOORING TO SUPPORT LOCAL SERVICES -
RECONSTRUCTION/COMPLETION OF MULTIPURPOSE BUILDING
BARRACUDA SCHOOLING, SAN FRANCISCO, SOUTHERN LEYTE

SHEET CONTENTS

SECOND FLOOR LIGHTING LAYOUT

DRAFTED
MICHELLE L. JOGADO
ENGINEER
MAR 04 2025

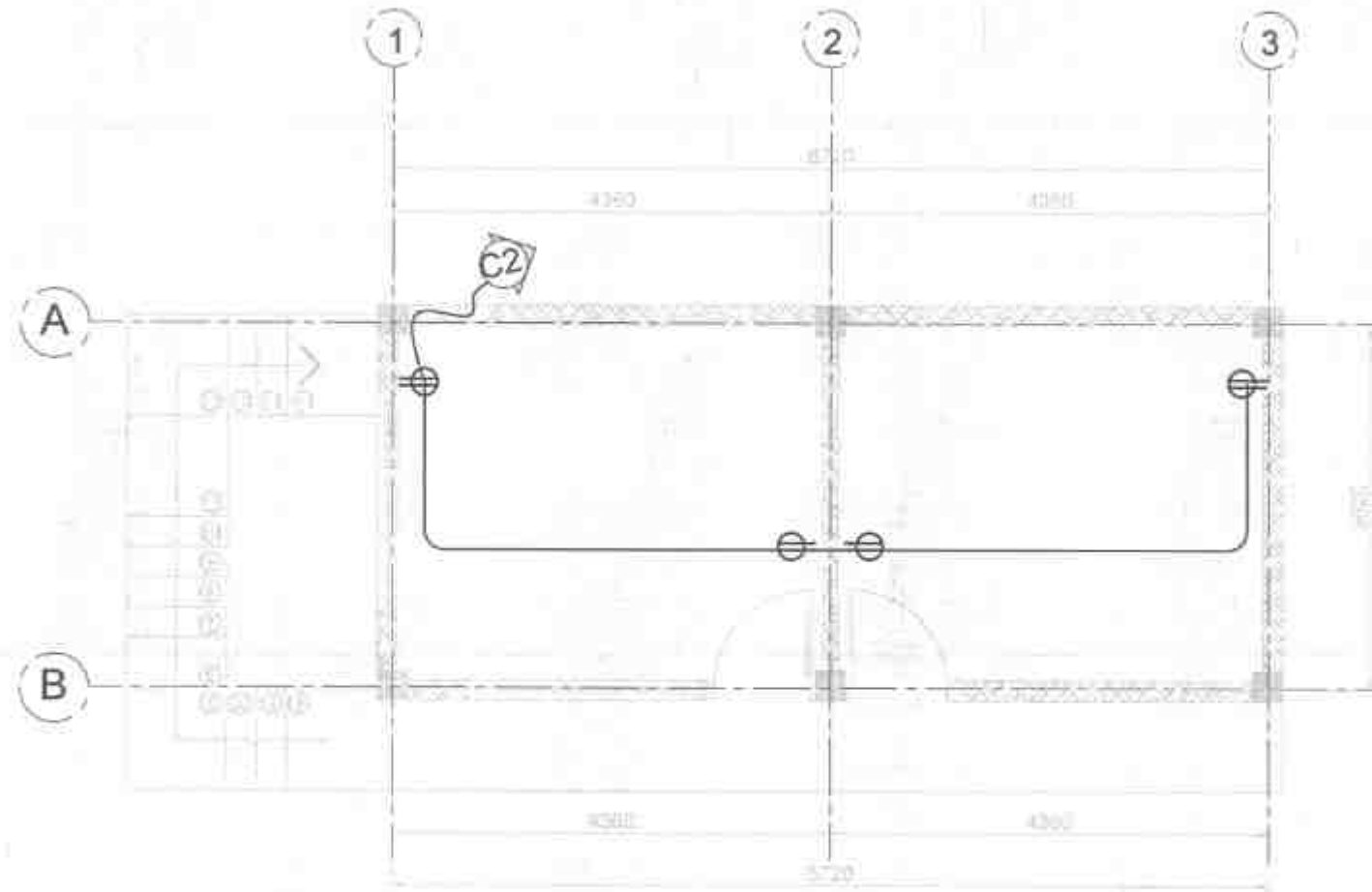
REVIEWED
MIKE MENDOZA M. VILLACERILLO
ENGINEER 3
MAR 06 2025

SUBMITTED
RAINIER LOYAN BLIZ
CHIEF PLANNING & CONSTRUCTION
MAR 06 2025

RECOMMENDED
KATHY D. LAP
ASSISTANT DISTRICT ENGINEER
MAR 07 2025

APPROVED
EDUARDO V. SANTOS
DISTRICT ENGINEER
MAR 07 2025

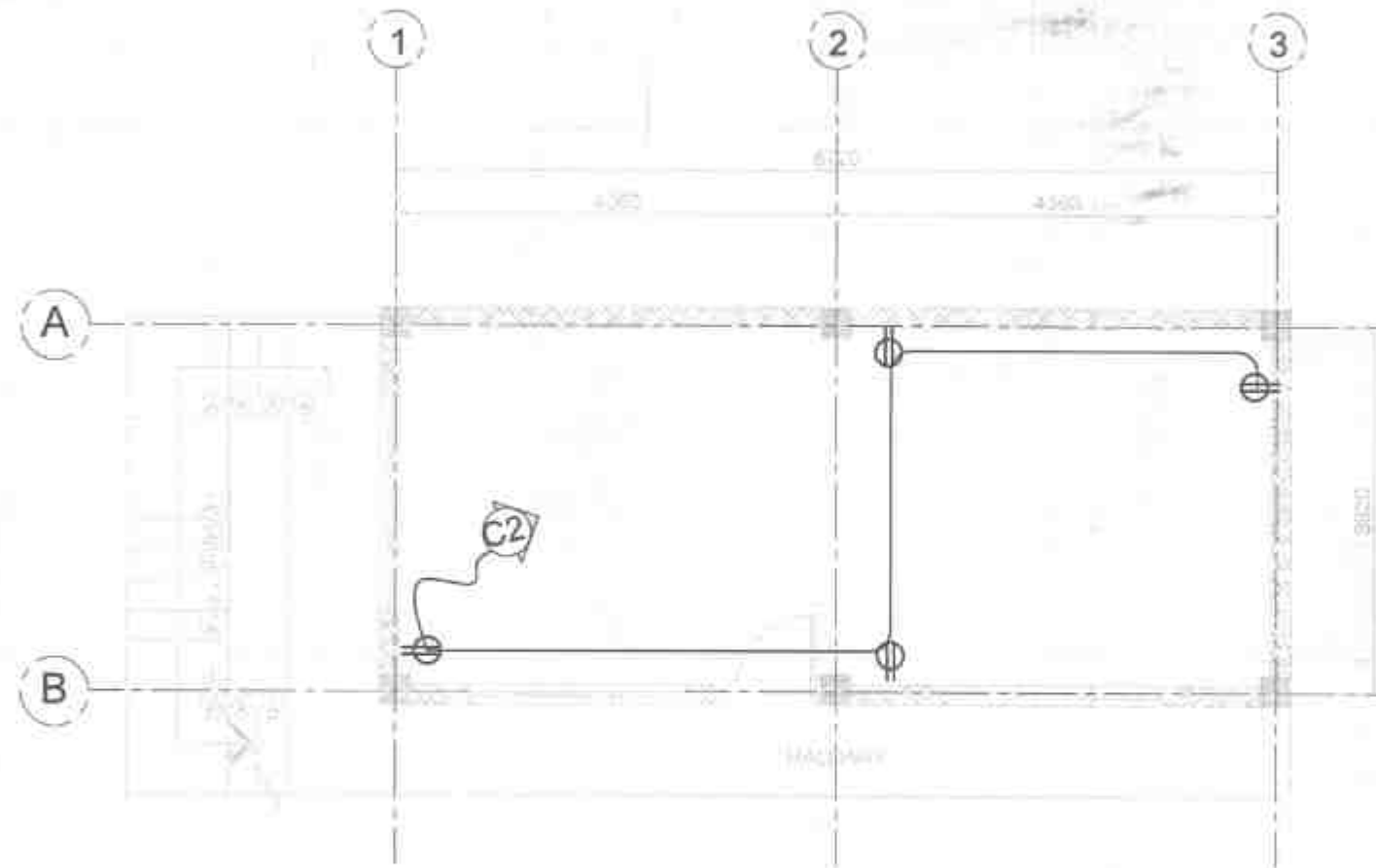
SET NO. E
SHEET NO. 24
25



01 GROUND FLOOR POWER LAYOUT
E-4 SCALE 1:50 MTL

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

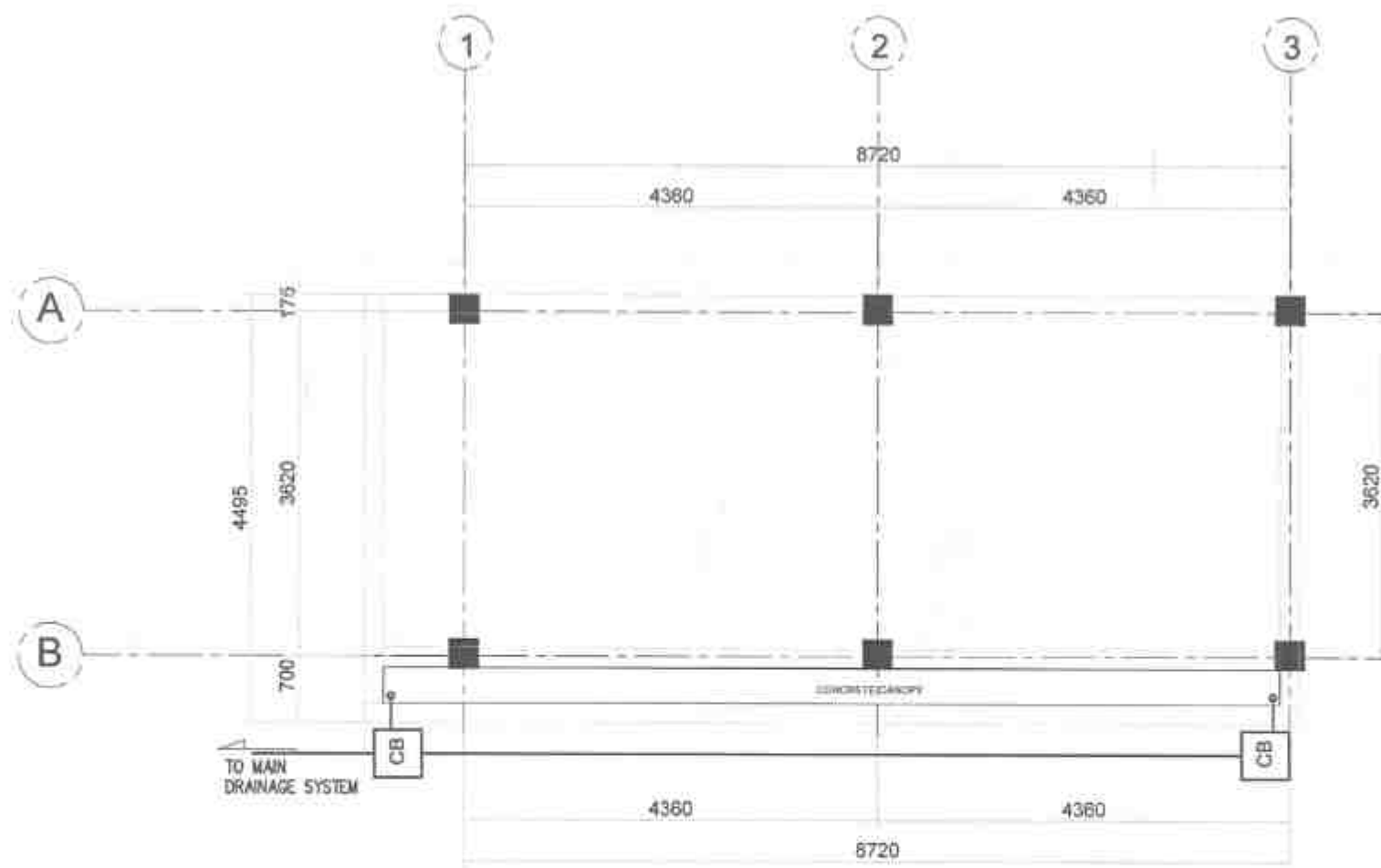
 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGION VII SOUTHERN LEYTE 2ND DISTRICT ENGINEERING OFFICE BODOR, SOUTHERN LEYTE	PROJECT NAME AND LOCATION: CONSTRUCTION AND SPECIAL SUPPORT PROVISIONS - BODOR INFRASTRUCTURE PROJECT - 100% FINANCIAL BACKLOG PROVISIONS TO SUPPORT LOCAL SERVICES - CONSTRUCTION STAGING AND SUPPORT BUILDING - BODOR INFRASTRUCTURE BODOR, SOUTHERN LEYTE	SHEET CONTENTS: GROUND FLOOR POWER LAYOUT	DRAWN BY: KEITH M. BUCAGO DATE: MAR 04 2025	REVIEWED BY: MIKE NINO M. VILLARDO DATE: MAR 06 2025	SUBMITTED BY: RAINER L. BUST DATE: MAR 06 2025	RECOMMENDED BY: EDUARDO V. SANTOS DATE: MAR 07 2025	APPROVED BY: EDUARDO V. SANTOS DATE: MAR 07 2025	SHEET NO.: E 4 5 25
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01 SECOND FLOOR POWER LAYOUT
E-5 SCALE 1:50 MTL.

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

 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGION VIII SOUTHERN LEYTE 2ND DISTRICT ENGINEERING OFFICE 80301 SOUTHERN LEYTE	PROJECT NAME AND LOCATION: CONSTRUCTION AND SPECIAL SUPPORT PROGRAM - ROAD INFRASTRUCTURE PROGRAM - MULTIPURPOSE BUILDING FACILITIES TO SUPPORT LOCAL SERVICES - CONSTRUCTION COMPLETION OF MULTIPURPOSE BUILDING - SUBMOUNTAIN ROAD - SOUTHERN LEYTE	SHEET CONTENTS: SECOND FLOOR POWER LAYOUT	DRAFTED: KEITH MARCEL L. ARCABO DATE: MAR 04 2025 PREPARED: JORDON C. VALES DATE: MAR 04 2025	REVIEWED: MIKE NILO M. VILLASENCO DATE: MAR 06 2025	SUBMITTED: RAINER LOPEZ RUIZ DATE: MAR 06 2025	RECOMMENDED: EVELYN D. RAY DATE: MAR 07 2025	APPROVED: EDUARDO V. SANTOS DATE: MAR 07 2025	REV NO. E SHEET NO. 25
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01 STORMWATER DRAINAGE LAYOUT
 P-1 SCALE 1:50 MTL

MASTER PLUMBER	
LICENSE NO.:	
PTR NO.:	
DATE ISSUED NO.:	
PIECE ISSUED:	
T.S.N.:	

REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGIONAL OFFICE SOUTHERN LEYTE 2 ND DISTRICT ENGINEERING OFFICE BAGO, SOUTHERN LEYTE	PROJECT NAME AND LOCATION	SHEET CONTENTS	DRAWN	REVIEWED	SUBMITTED	RECOMMENDED	APPROVED	SET NO.	SHEET NO.
	CONCRETE AND SPECIAL SUPPORT PROGRAM (BASE) SUPPLEMENTARY PROGRAM - MULTIPURPOSE BUILDING THROUGHT TO SUPPORT LOCAL SERVICES - CONSTRUCTION CAMP, STATION OF MALABAYAN OF BAGO, SOUTHERN LEYTE	STORM DRAINAGE LAYOUT	ALEXANDER S. STANLEY JR. ENGINEER MAR 04 2025 JUNIOR ENGINEER MAR 07 2025	MARY NICO M. WILLARDINO ENGINEER MAR 06 2025	RAIMER M. BLIT CHIEF PLANNER & DESIGN SECTION MAR 06 2025	RYAN M. KAYE ASSISTANT DISTRICT ENGINEER MAR 07 2025	EDUARDO V. SANTOS DISTRICT ENGINEER MAR 07 2025	P 1 3	27 28

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 THAT 1" DEEP WELL CAULKED.

4. WORKMANSHIP SHALL BE OF SUCH CHARACTER AS TO FULLY SECURE

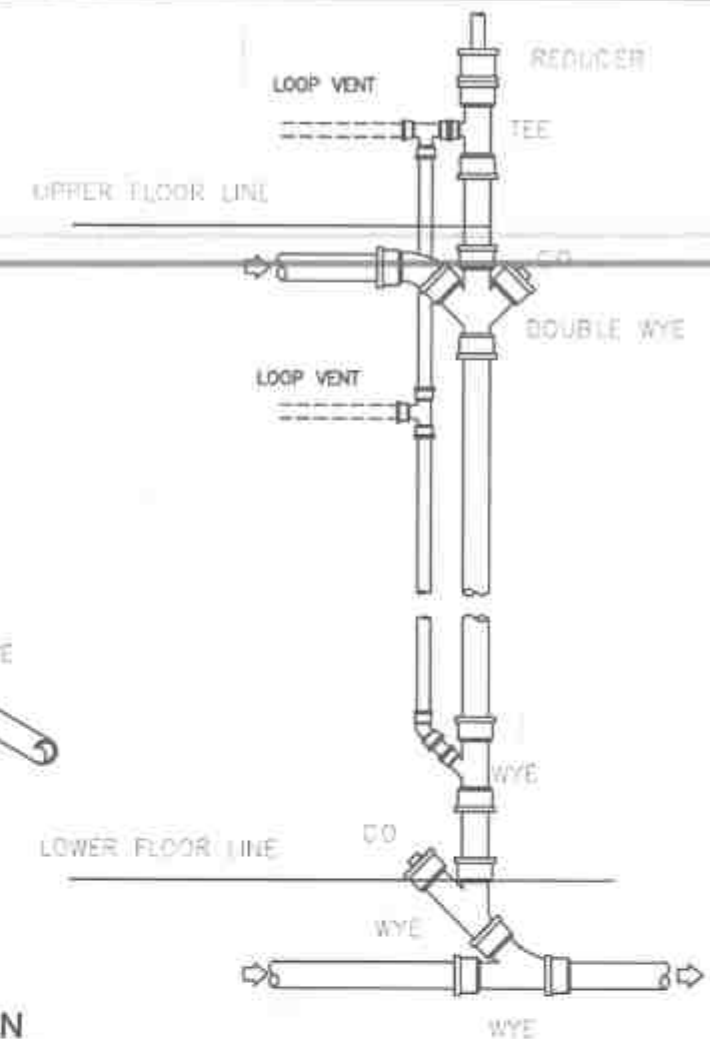
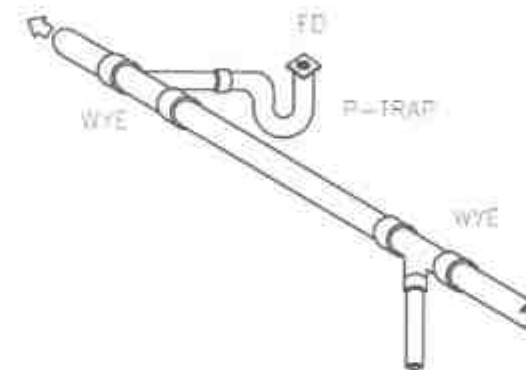
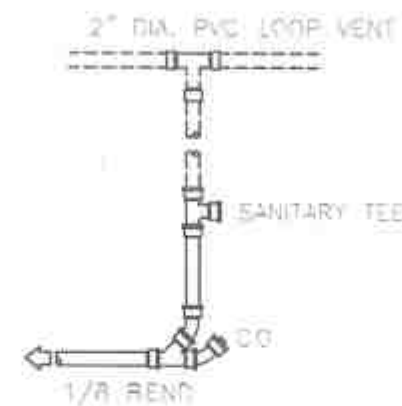
CERTIFICATION :

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

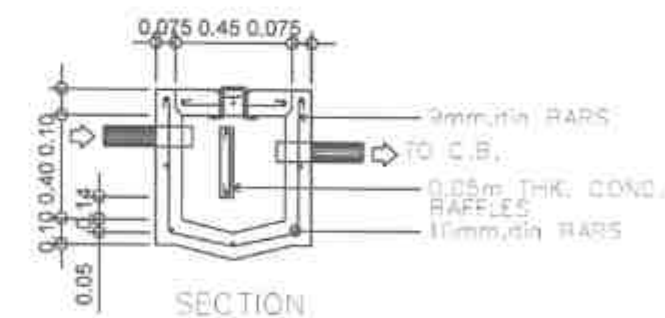
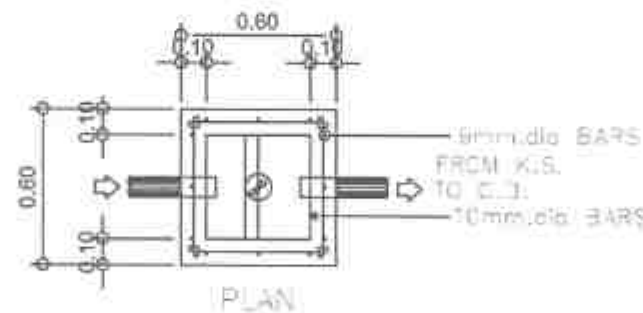
LEGEND :

LAV. LAVATORY
L.T. LAUNDRY TUB
B.T. BATH TUB
K.S. KITCHEN SINK
G.V. GATE VALVE
C.V. CHECK VALVE
D.S. DOWN SPOUT
C.O. CLEAN OUT
C.B. CATCH BASIN
S.V. SEPTIC VAULT
B.P. BOSTER PUMP

— WATER LINE
— WASTE/SOIL LINE
— LOOP VENT LINE
— PVC PIPE LINE
V.T.R. VENT THRU ROOF
V.T.W. VENT THRU WALL
S.H. SHOWER HEAD
H.B. HOSE BIB
FAU FAUCET
F.D. FLOOR DRAIN
BTD BATH TUB DRAIN
H.B. HOSE BIBB



01 JOINT CONNECTION
P-5 SCALE NTS



02 CATCH BASIN DETAIL
P-5 SCALE 1:50 MTS

MASTER PLUMBER
LICENSE NO. _____
PTR NO. _____
DATE ISSUED NO. _____
PLACE ISSUED _____
TAX _____



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGION VII
SOUTHERN LEYTE 2ND DISTRICT
ENGINEERING OFFICE
20000 SOUTHERN LEYTE

PROJECT NAME AND LOCATION

CONSTRUCTION AND REPAIR WORKS - BASIC INFRASTRUCTURE
PROJECT - MULTIPURPOSE AND ZONE PROVIDED BY SUPPORT LOCAL SERVICES
CONSTRUCTION OPERATIONS OF MACAYANAN CATCH
BASIN/ SEPTIC VAULT AND PIPING SYSTEMS

SHEET CONTENTS

SPECIFICATIONS
LEGEND
JOINT CONNECTION
CATCH BASIN DETAIL

DRAFTSMAN

ALC. ANDRÉS CRISTIANO JR.

CHECKED BY

MINO RINO M. VILLASANO

DATE

MAR 04 2025

REVIEWED

MINO RINO M. VILLASANO

DATE

MAR 06 2025

SKETCHED

RAIMON LOPEZ

DATE

MAR 06 2025

RECOMMENDED

EDUARDO V. SANTOS

DATE

MAR 07 2025

APPROVED

EDUARDO V. SANTOS

DATE

MAR 07 2025

SET NO.

1

SHEET NO.

29