



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGIONAL OFFICE No. VIII
NORTHERN SAMAR FIRST
DISTRICT ENGINEERING OFFICE
Catarman, Northern Samar

C.Y. 2025 PROJECT
DETAILED ENGINEERING DESIGN PLAN FOR
CONSTRUCTION OF MULTIPURPOSE BUILDING,
CAPUL, NORTHERN SAMAR

Location of Project: Capul, Northern Samar

LATITUDE: 12.42304
LONGITUDE: 124.182295

SUBMITTED


ANDY S. EREÑO
CHIEF, PLANNING AND DESIGN SECTION
DATE:

RECOMMENDED


VIVIAN G. BIACO
ASSISTANT DISTRICT ENGINEER
DATE:

APPROVED:


ALVIN A. IGNACIO
DISTRICT ENGINEER
DATE:

SUMMARY OF QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	REMARKS
PART B	OTHER GENERAL REQUIREMENTS			
B.3(1)	Permits and Clearances	l.s.	1.00	
B.5(1)	Project Billboard/Signboard (COA Standard Project Billboard)	each	1.00	
B.5(1)	Project Billboard/Signboard (DPWH Standard Project Billboard)	each	1.00	
B.7(1)	Occupational Safety and Health	l.s.	1.00	
B.9(1)	Mobilization/Demobilization	l.s.	1.00	
DIVISION I - GENERAL				
PART C	EARTHWORK			
801(1)	Removal of Structures and Obstruction	l.s.	1.00	
803(1)a	Structure Excavation, Common Soil	cu.m.	255.68	
804(1)a	Embankment from Structure Excavation (Common Soil)	cu.m.	255.68	
804(2)a	Embankment from Borrow (Common Soil)	cu.m.	50.16	
804(7)	Gravel Fill	cu.m.	37.12	
PART D	REINFORCED CONCRETE			
900(2)c	Structural Concrete (Class B, 28 days)	cu.m.	18.60	
900(1)i	Structural Concrete (Class A, 28 days)	cu.m.	46.99	
900(1)c	Structural Concrete, 3000psi (Class A, 28 days)	cu.m.	87.23	
902(1)a1	Reinforcing Steel (Deformed), Grade 40	kg	10,298.60	
902(1)a2	Reinforcing Steel (Deformed), Grade 60	kg	12,512.60	
903(2)	Formworks and Falseworks	sq.m.	528.58	
DIVISION II - BUILDINGS				
PART E	FINISHING AND OTHER CIVIL WORKS			
1000(1)	Soil Poisoning	L	8.00	
1001(8)	Sewer Line Works	l.s.	1.00	
1002(27)	Plumbing Works	l.s.	1.00	
1027(1)	Cement Plaster Finish	sq.m.	843.11	
1046(2)a1	CHB Non Load Bearing (including Reinforcing Steel), 100 mm	sq.m.	163.30	
1046(2)a2	CHB Non Load Bearing (including Reinforcing Steel), 150 mm	sq.m.	282.34	
PART F	ELECTRICAL			
1100(10)	Conduits, Boxes & Fittings (Conduit Works/Conduit Rough-in)	l.s.	1.00	
1101 (33)	Wires and Wiring Devices	l.s.	1.00	
1102(1)	Panelboard with Main & Branch Breakers	l.s.	1.00	



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGIONAL OFFICE NO. VII
NORTHERN SAMAR FIRST
DISTRICT ENGINEERING OFFICE
CANTABUT, NORTHERN SAMAR

PROJECT NAME & LOCATION

CONSTRUCTION OF MULTIPURPOSE BUILDING,
CAPITAL, NORTHERN SAMAR

Civil Engineering Group

SHEET CONTENTS

SUMMARY OF QUANTITIES

DESIGNED

CHRISTINE M. GONZALES
ENGINEER

REVIEWED

MARK DONALD N. NUAN
ASST. CHIEF ENGINEER
Date: 8/22/20

SUBMITTED

ANDY B. ENERO
CHIEF PLANNING & DESIGN DIVISION
Date:

RECOMMENDED

EMMAN DONACIO
ASST. DISTRICT ENGINEER
Date:

APPROVED

ALVIN A. DONACIO
DISTRICT ENGINEER
Date:

SST No.

1903-1
01/01

SHEET No.

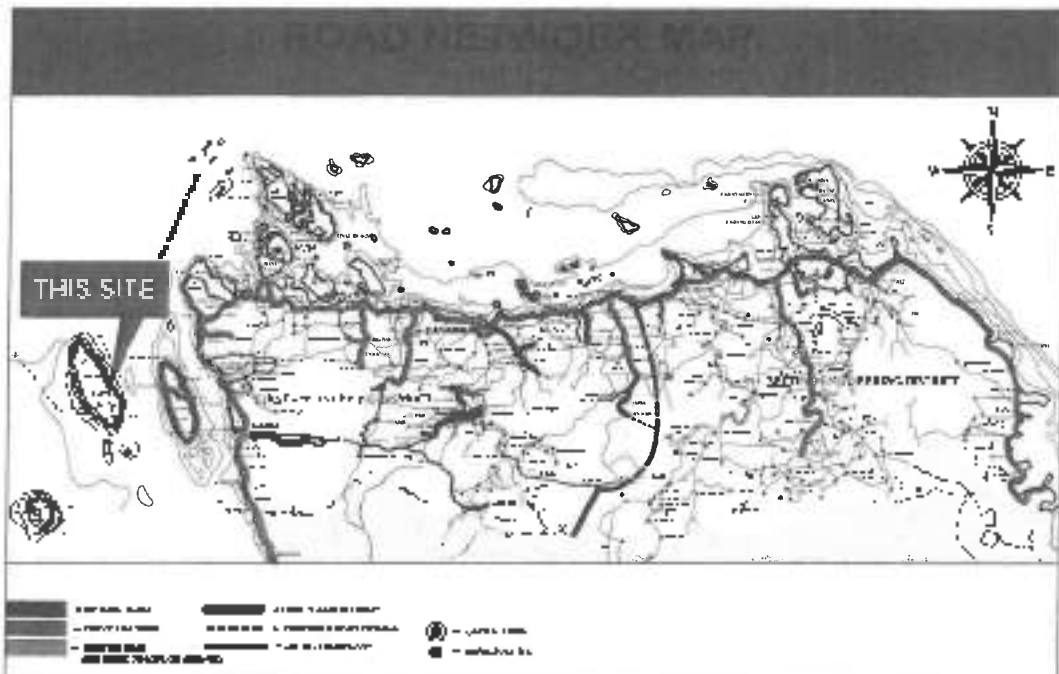
02
32



1 PERSPECTIVE
A-1 SCALE: NTS



PERSPECTIVE

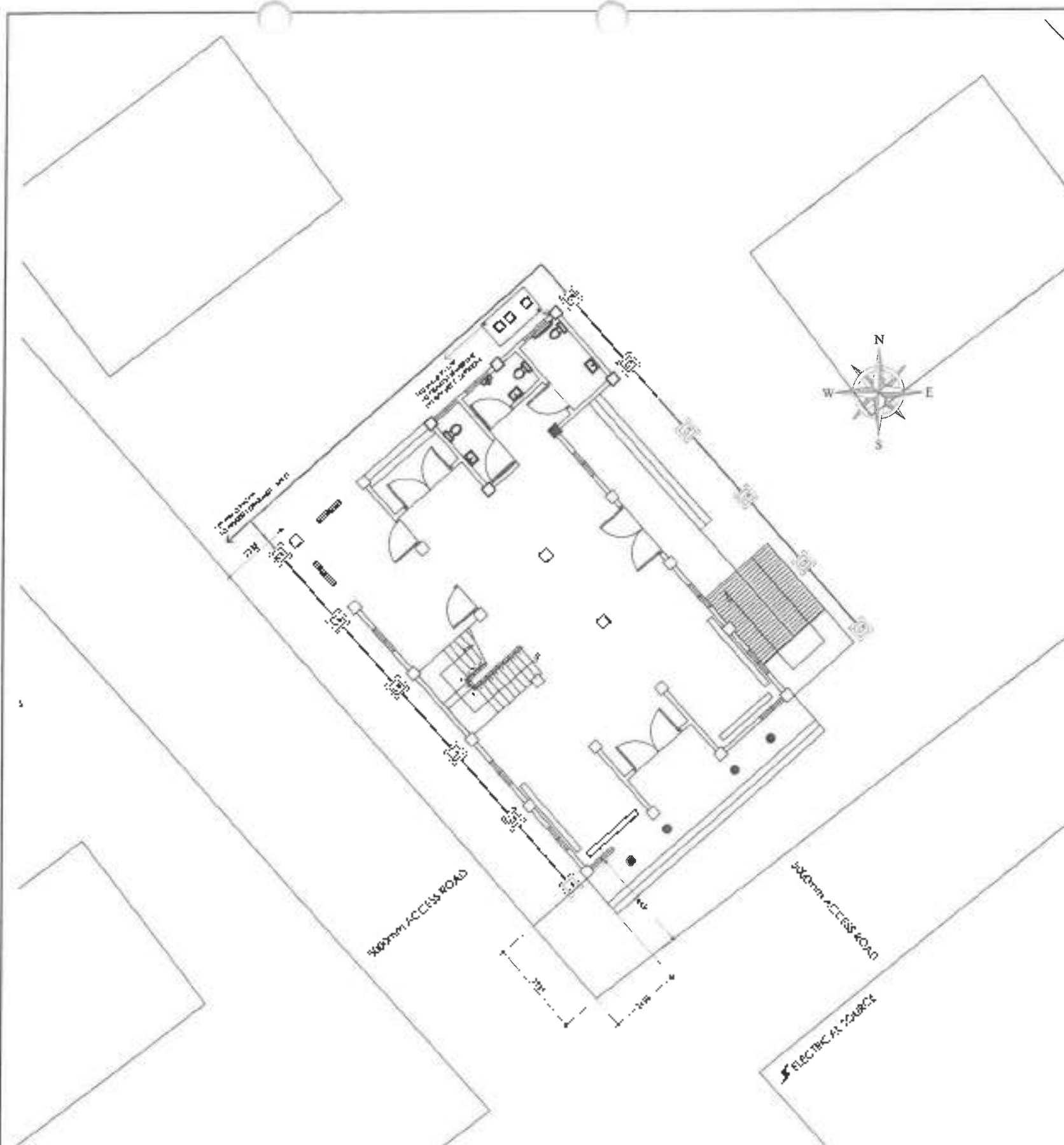


2 LOCATION MAP
A-1 SCALE: NTS



3 VICINITY MAP
A-1 SCALE: NTS

TABLE OF CONTENTS	
 DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS DIVISION OFFICE - NORTHERN SAMAR REGIONAL ENGINEERING OFFICE CAGAYAN DE ORO	
ARCHITECTURAL A-1 - ARCHITECTURAL A-2 - ARCHITECTURAL A-3 - ARCHITECTURAL A-4 - ARCHITECTURAL A-5 - ARCHITECTURAL A-6 - ARCHITECTURAL A-7 - ARCHITECTURAL A-8 - ARCHITECTURAL A-9 - ARCHITECTURAL A-10 - ARCHITECTURAL	APPROVED _____ DATE _____ LAND USE AND ZONING APPROVED _____ DATE _____ LINE AND GRADE APPROVED _____ DATE _____ ARCHITECTURAL APPROVED _____ DATE _____
STRUCTURAL S-1 - STRUCTURAL S-2 - STRUCTURAL S-3 - STRUCTURAL S-4 - STRUCTURAL S-5 - STRUCTURAL S-6 - STRUCTURAL S-7 - STRUCTURAL S-8 - STRUCTURAL	ELECTRICAL E-1 - ELECTRICAL E-2 - ELECTRICAL E-3 - ELECTRICAL E-4 - ELECTRICAL E-5 - ELECTRICAL E-6 - ELECTRICAL
PLUMBING P-1 - PLUMBING P-2 - PLUMBING P-3 - PLUMBING P-4 - PLUMBING P-5 - PLUMBING	BILLBOARD B-1 - BILLBOARD B-2 - BILLBOARD B-3 - BILLBOARD
APPROVED _____ DATE _____ MECHANICAL APPROVED _____ DATE _____ ELECTRICAL APPROVED _____ DATE _____	



1 SITE DEVELOPMENT PLAN
SCALE: 1:300



2 GEOTAGGED PHOTOGRAPHS
SCALE: NTS



Report of the Progress
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGIONAL OFFICE No. VIII
NORTHERN SAMAR FIRST
DISTRICT ENGINEERING OFFICE
1 kilometer, Marikina City

PROJECT NAME ALLOCATION
CONSTRUCTION OF MULTIPURPOSE BUILDING,
CAPUL, NORTHERN SAMAR
Capul, Northern Samar

SHEET CONTENTS
SITE DEVELOPMENT PLAN
GEOTAGGED PHOTOGRAPHS

DRAWN BY
ARTURO P. RICO JR.
DESIGNED BY
ARTURO P. RICO JR.

REVIEWED BY
ALVIN A. RINACIO
CHECKED BY
ALVIN A. RINACIO

SUBMITTED BY
ANDY S. ERERO
DATE
28-05-2025

RECOMMENDED BY
ALVIN A. RINACIO
DATE
28-05-2025

APPROVED BY
ALVIN A. RINACIO
DATE
28-05-2025

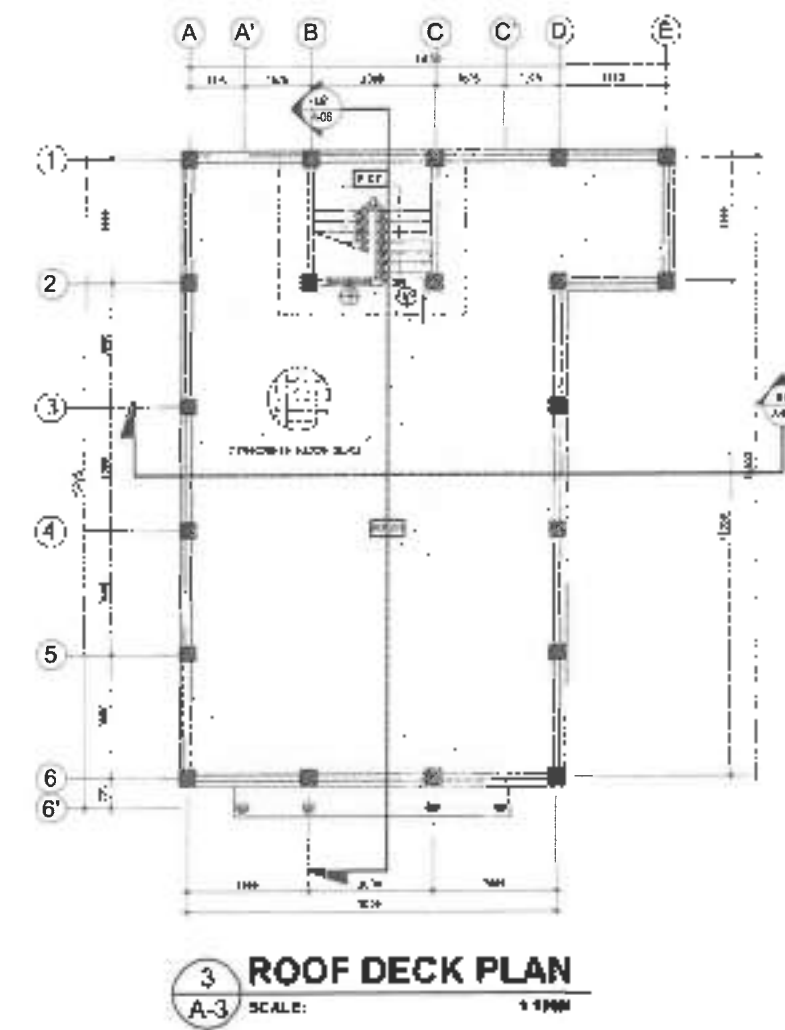
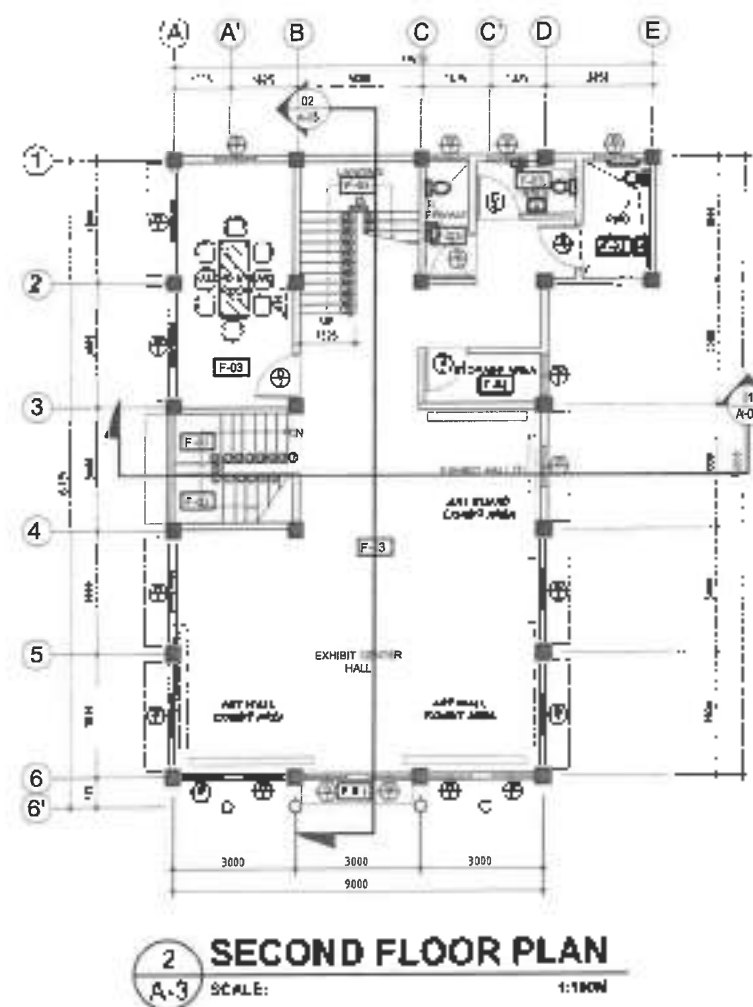
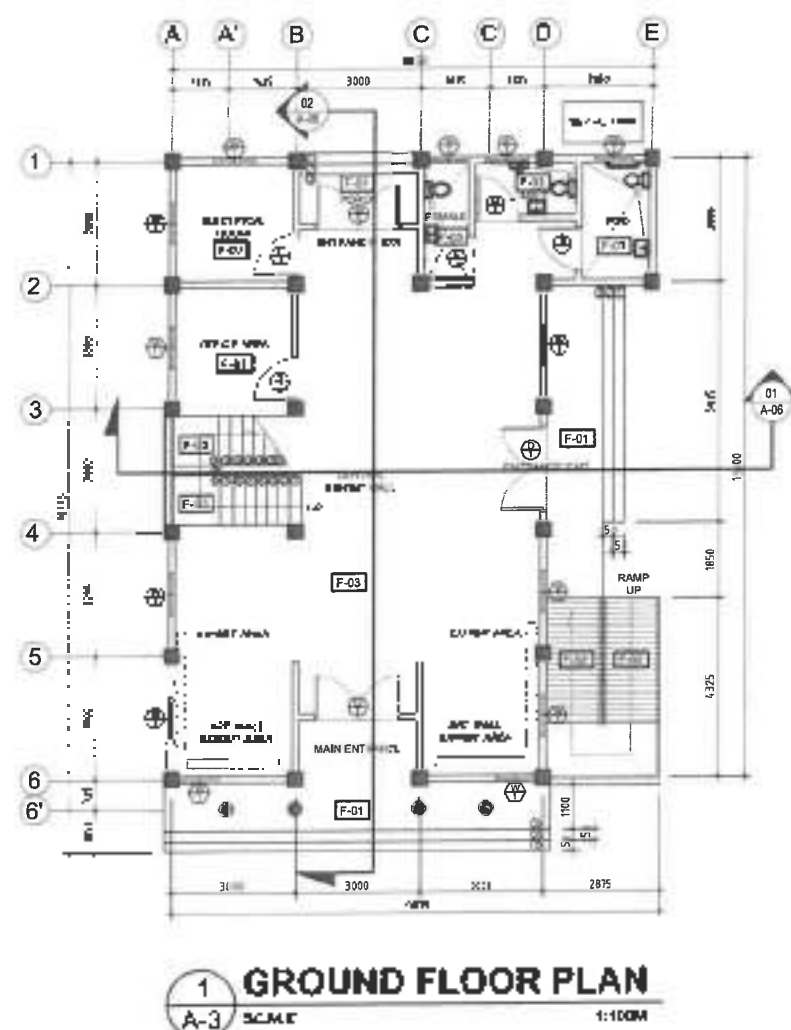
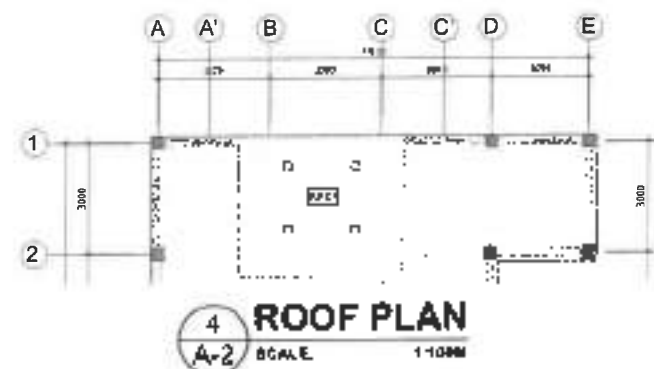
SET No.
A-2
OF 10

SHEET No.
34
OF 32

SCHEDULE OF FINISHES

FLOOR FINISH	DESCRIPTION
F-01	NON-SKID PLAIN CONCRETE FLOOR
F-02	NON-SKID PLAIN CONCRETE FLOOR WITH 10% POLYURETHANE
F-03	UNPOLISHED POLISHED CONCRETE
WOOD FINISH	DESCRIPTION
W-01	NON-SKID PLAIN CONCRETE FLOOR WITH 10% POLYURETHANE

NOTE:
1. DOORS AND WINDOWS ARE NOT INCLUDED
2. FINISHING WORKS ARE NOT INCLUDED
3. BALUSTER AND RAILINGS ARE NOT INCLUDED



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGIONAL OFFICE No. VII
NORTHERN SAMAR FIRST
DISTRICT ENGINEERING OFFICE
Calbayog, Samar, Samar

PROJECT NAME & LOCATION
CONSTRUCTION OF MULTIPURPOSE BUILDING
CAPUL, NORTHERN SAMAR

SHEET CONTENTS
GROUND FLOOR PLAN
SECOND FLOOR PLAN
ROOF DECK PLAN
NORTH IS UP

DRAFTED:
ARTURO P. BOG JR.
DESIGNED:
BRIAN B. RICHARDS

REVIEWED:
MARIE DONALDO M. ZUNIGA
CHECKED BY: HUMAN RESOURCE SECTION

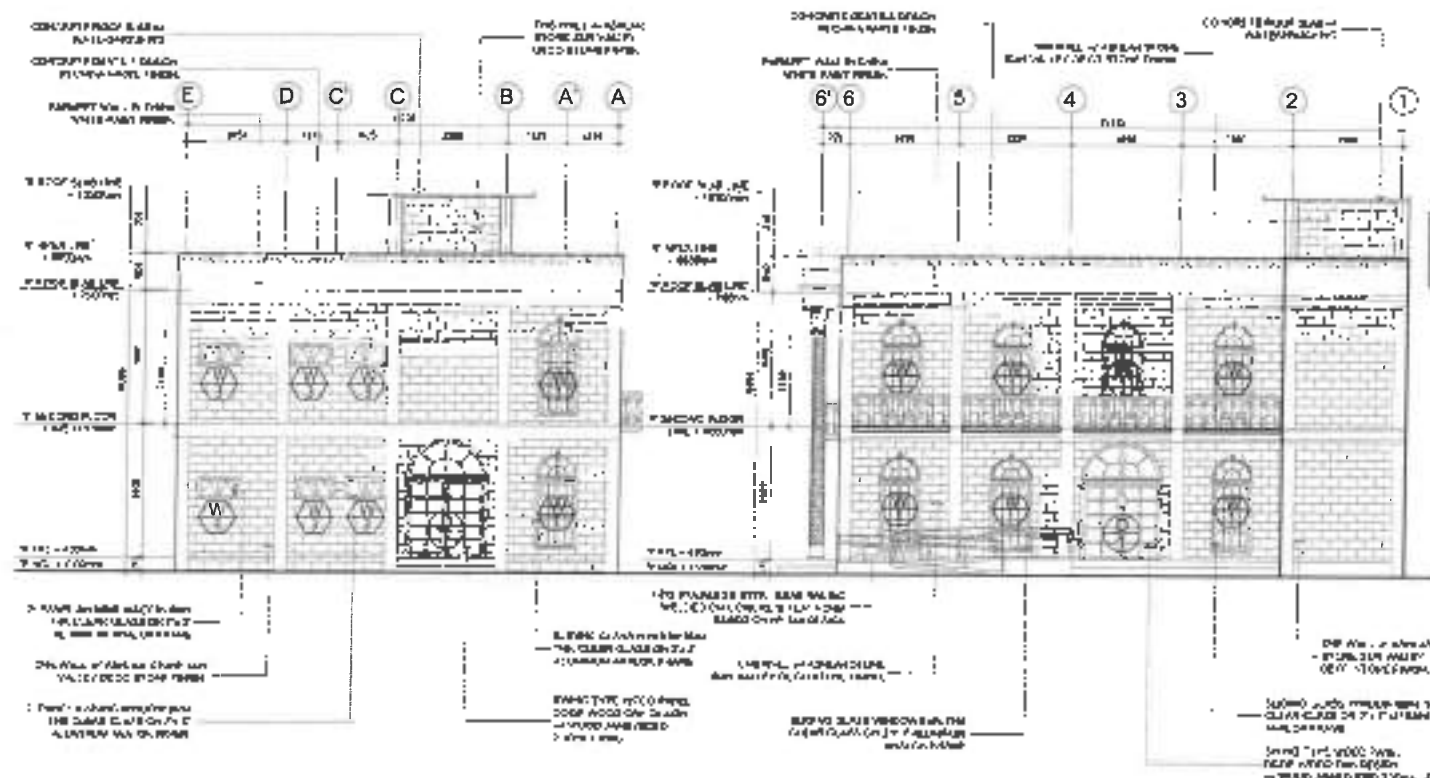
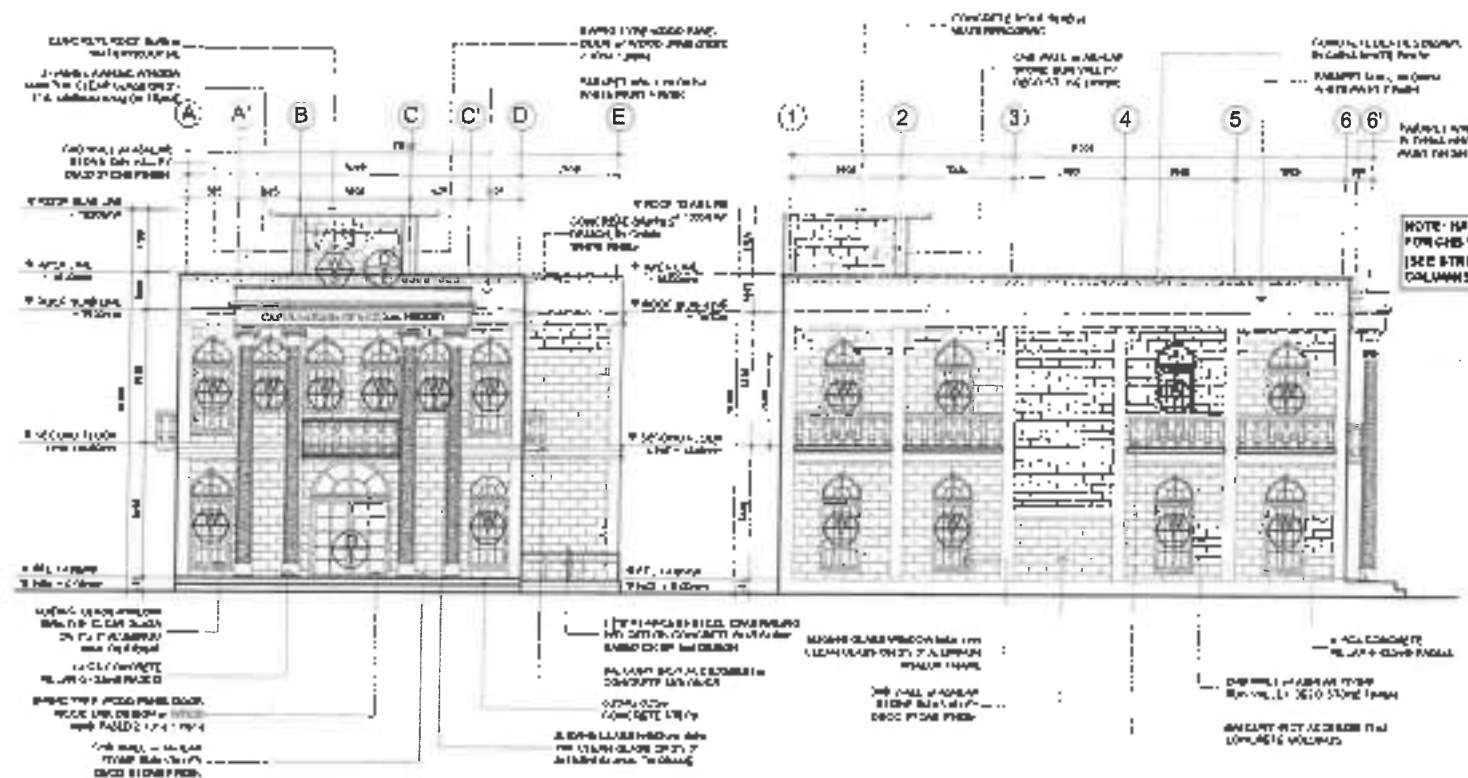
DESIGNED BY:
NOT S. ESMO
CHECKED BY: HUMAN RESOURCE SECTION

APPROVED:
YVIANE E. SIBAGO
CHECKED BY: HUMAN RESOURCE SECTION

APPROVED:
ALVIN A. MONACIO
CHECKED BY: HUMAN RESOURCE SECTION

SCT No.
A-3
03/10
SHEET No.
05
32

- NOTE:
1. DOORS AND WINDOWS ARE NOT INCLUDED
 2. FINISHING WORKS ARE NOT INCLUDED
 3. BALLUSTER AND RAILINGS ARE NOT INCLUDED



Department of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGIONAL OFFICE No. VII
NORTHERN SAMAR FIRST
DISTRICT ENGINEERING OFFICE
Cebu City, Cebu

PROJECT NAME & LOCATION

CONSTRUCTION OF MULTIPURPOSE BUILDING,
CAPUL, NORTHERN SAMAR

CONV. NUMBER 3014

SHEET CONTENTS

FRONT ELEVATION
LEFT SIDE ELEVATION
REAR ELEVATION
RIGHT SIDE ELEVATION

DRAFTED:

DESIGNED:

REVIEWED:

SUBMITTED:

RECOMMENDED:

APPROVED:

SET NO.

SHEET NO.

ACTED FOR
DESIGNED
ALVIN A. IGNACIO
DISTRICT ENGINEER

REVIEWED
RECOMMENDED
ALVIN A. IGNACIO
DISTRICT ENGINEER

SUBMITTED
SUBMITTED
ALVIN A. IGNACIO
DISTRICT ENGINEER

RECOMMENDED
RECOMMENDED
ALVIN A. IGNACIO
DISTRICT ENGINEER

APPROVED
APPROVED
ALVIN A. IGNACIO
DISTRICT ENGINEER

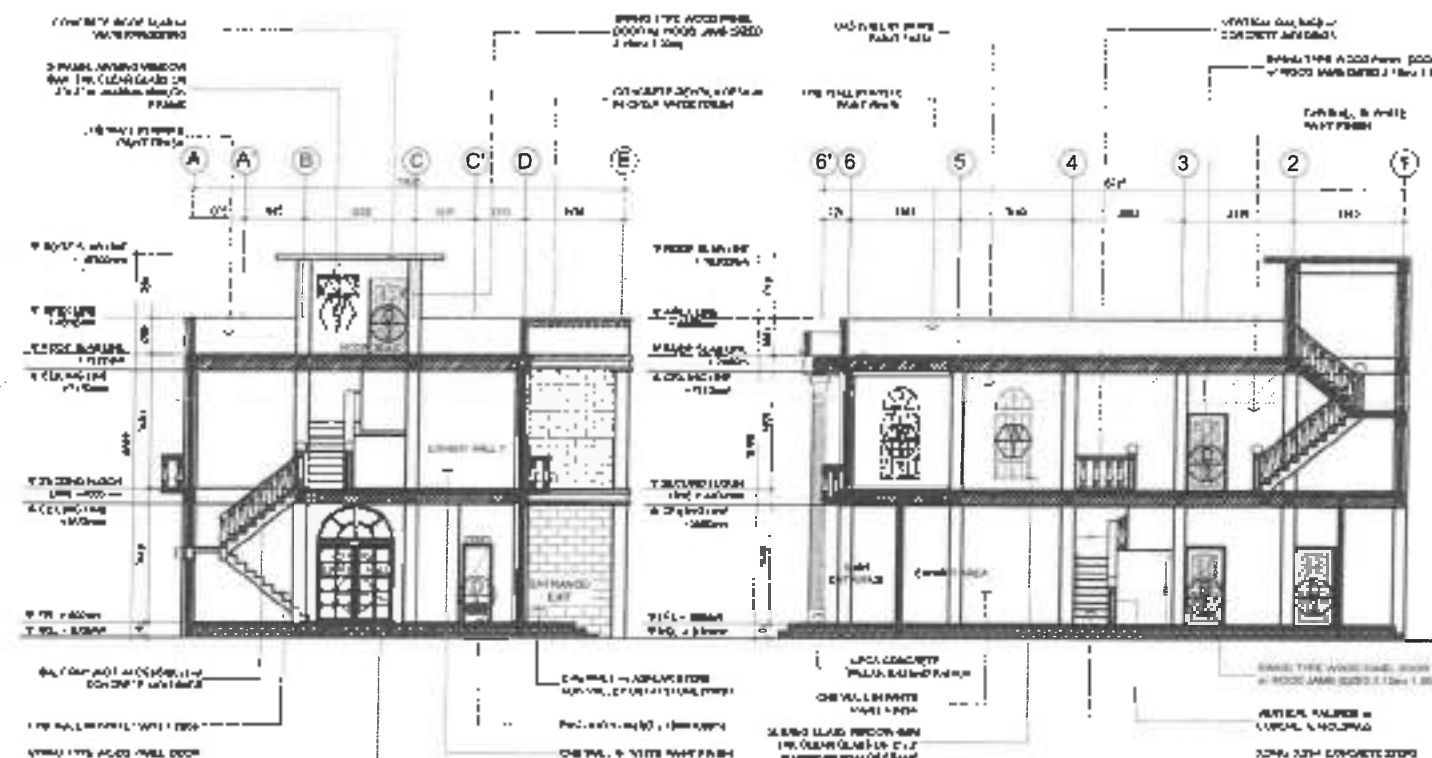
SET NO.
A-5
OF 10

SHEET NO.
11
OF 32

SCHEDULE OF FINISHES

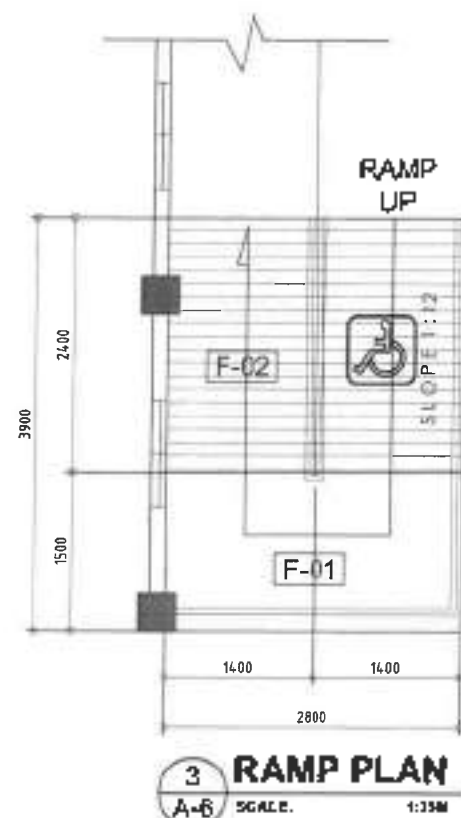
FLOOR FINISH	DESCRIPTION
F-01	NEW 300 PLANK 25mm V. FINISH
F-02	WOODEN PLANK (LIGHT) 100mm x 100mm x 10mm
F-03	UNGLAZED TILES (NOT INCLUDED)

NOTE:
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2. FINISHING WORKS ARE NOT INCLUDED
3. BALUSTER AND RAILINGS ARE NOT INCLUDED

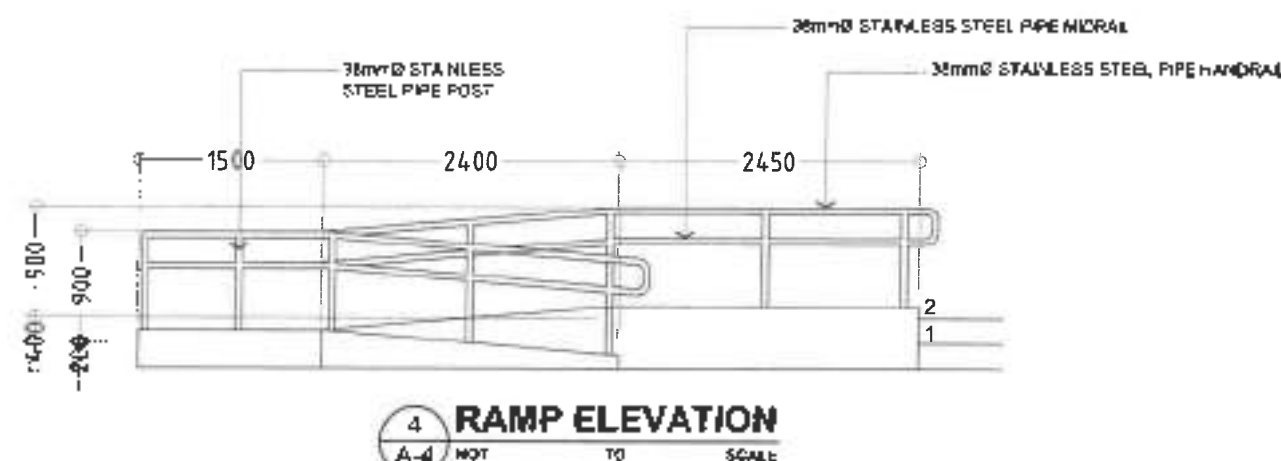


1 CROSS SECTION
A-B SCALE: 1:100M

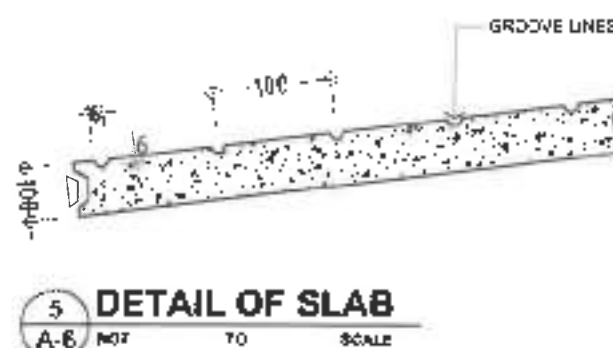
2 LONGITUDINAL SECTION
A-B SCALE: 1:100M



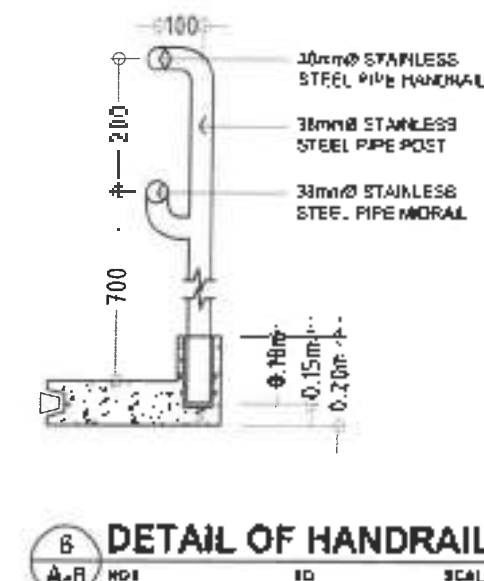
3 RAMP PLAN
A-B SCALE: 1:150M



4 RAMP ELEVATION
A-A NOT TO SCALE



5 DETAIL OF SLAB
A-B NOT TO SCALE



6 DETAIL OF HANDRAIL
A-B NOT TO SCALE



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGIONAL OFFICE No. 411
NORTHERN SAMAR FIRST
DISTRICT ENGINEERING OFFICE
Cebu City, Marikina City

PROJECT NAME & LOCATION

CONSTRUCTION OF MULTIPURPOSE BUILDING,
CAPUL, NORTHERN SAMAR

Capital Building Project

SHEET CONTENTS

CROSS SECTION
LONGITUDINAL SECTION
RAMP PLAN, SLAB DETAIL, & ELEVATION
DETAIL OF HANDRAIL

DESIGNED

ARTURO P. BACAL
DESIGNED
DUSTIN B. BACAL

REVIEWED

MARK D. BACAL
REVIEWED
MARK D. BACAL

SUBMITTED

JOY & BACAL
SUBMITTED
JOY & BACAL

RECOMMENDED

VIVIAN BACAL
RECOMMENDED
VIVIAN BACAL

APPROVED

ALVIN A. BACAL
APPROVED
ALVIN A. BACAL

SHEET No.

A-6
OF 12

SHEET No.

25
OF 32

▼ FFL D 1		▼ FFL D 2		▼ FFL D 3		▼ FFL D 4	
TYPE	SWING TYPE WOOD PANEL DOOR WOOD OAK DESIGN w/ WOOD JAMB (SIZED 2.10mx 1.00m)	TYPE	SWING TYPE WOOD PANEL DOOR w/ WOOD JAMB (SIZED 2.10mx 1.00m)	TYPE	SWING TYPE WOOD PANEL DOOR w/ WOOD JAMB (SIZED 2.10mx 1.00m)	TYPE	PVC DOOR (SIZED 2.10mx 0.80m)
FRAME	WOODEN FRAME JAMB	FRAME	WOODEN FRAME JAMB	FRAME	WOODEN FRAME JAMB	FRAME	PVC FRAME JAMB
QTY	REQUIRED (3 SETS)	QTY	REQUIRED (5 SETS)	QTY	REQUIRED (2 SETS)	QTY	REQUIRED (4 SETS)
LOCATION	MAIN ENTRANCE & EXIT	LOCATION	OFFICE AREA, ELECTRICAL ROOM, AUDIO-VISUAL ROOM, STORAGE ROOM, & ROOF DECK	LOCATION	PWD	LOCATION	CR HE & SHE

▼ FFL W 1		▼ FFL W 2		▼ FFL W 3	
TYPE	SLIDING GLASS WINDOW 6MM THK CLEAR GLASS ON 2"x 3" ALUMINUM ANALOK FRAME	TYPE	SLIDING GLASS WINDOW 6MM THK CLEAR GLASS ON 2"x 3" ALUMINUM ANALOK FRAME	TYPE	2-PANEL SLIDING WINDOW 6MM THK CLEAR GLASS ON 2"x 3" ALUMINUM ANALOK FRAME
FRAME	ALUMINUM ANALOK FRAME	FRAME	ALUMINUM ANALOK FRAME	FRAME	ALUMINUM ANALOK FRAME
QTY	REQUIRED (21 SETS)	QTY	REQUIRED (4 SETS)	QTY	REQUIRED (2 SETS)
LOCATION	SEE FLOOR PLAN	LOCATION	SEE FLOOR PLAN	LOCATION	SEE FLOOR PLAN

NOTE- DOORS AND WINDOWS NOT INCLUDED

1 SCHEDULE OF DOORS AND WINDOWS A-7 SCALE 1:3000



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGIONAL OFFICE No. 1
NORTHERN SAMAR FIRST
DISTRICT ENGINEERING OFFICE
Cebu, Marikina City

PROJECT NAME & LOCATION

CONSTRUCTION OF MULTIPURPOSE BUILDING,
CAPUL, NORTHERN SAMAR
Capul, Northern Samar

SHEET CONTENTS

SCHEDULE OF DOORS AND WINDOWS

DRAFTED:

DESIGNED:

REVIEWED:

SUBMITTED:

RECOMMENDED:

APPROVED:

SCT No.

SHEET No.

ASTOR C. SIBUJA

ARTIST: J. SIBUJA

ALVIN A. IGNACIO

ALVIN A. IGNACIO

ALVIN A. IGNACIO

ALVIN A. IGNACIO

ALVIN A. IGNACIO

ALVIN A. IGNACIO

ALVIN A. IGNACIO

ALVIN A. IGNACIO

A-7

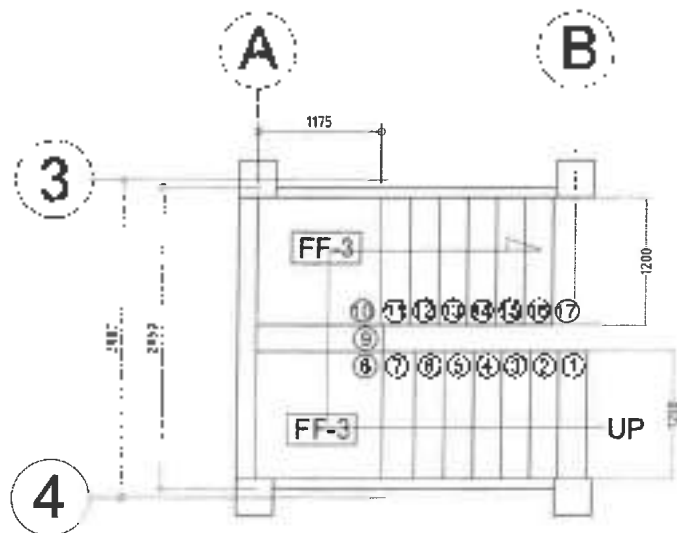
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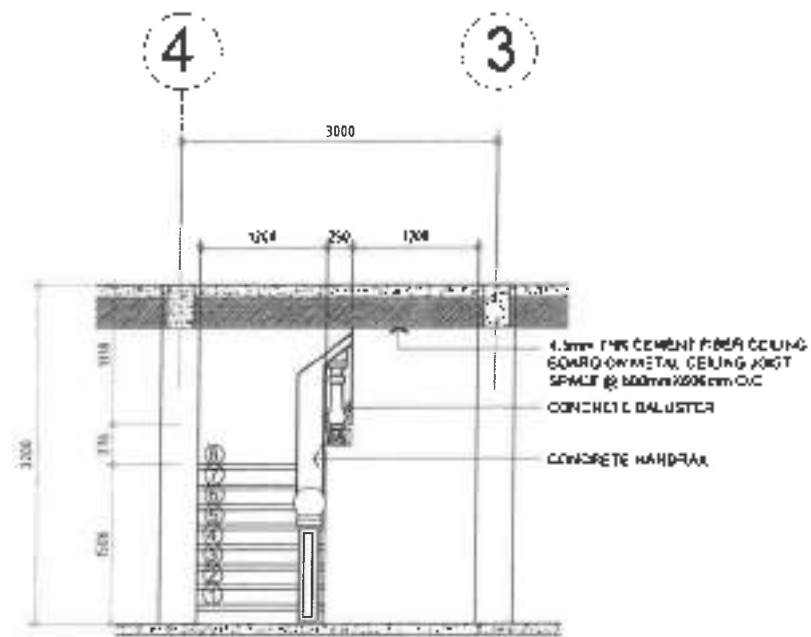
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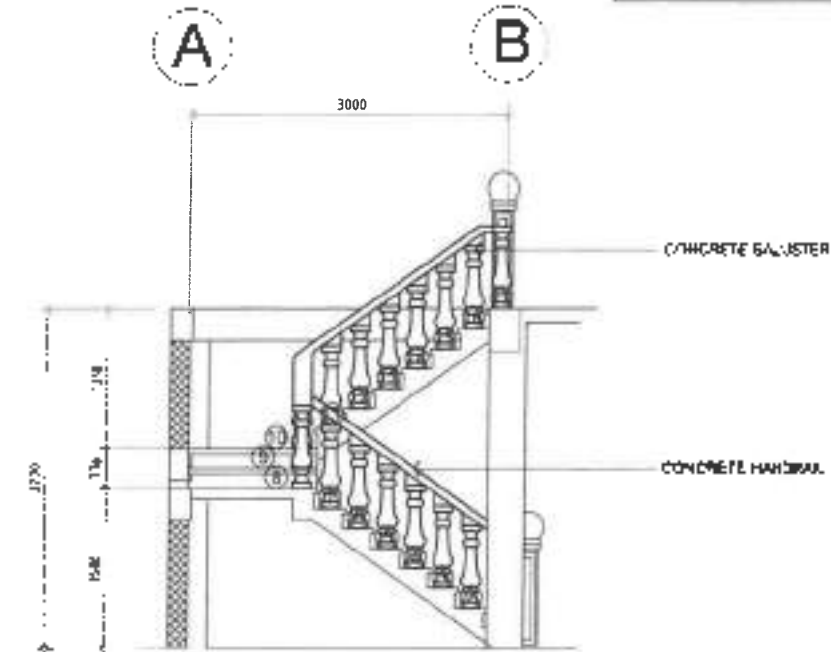
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2. FINISHING WORKS ARE NOT INCLUDED
3. BALUSTER AND RAILINGS ARE NOT INCLUDED



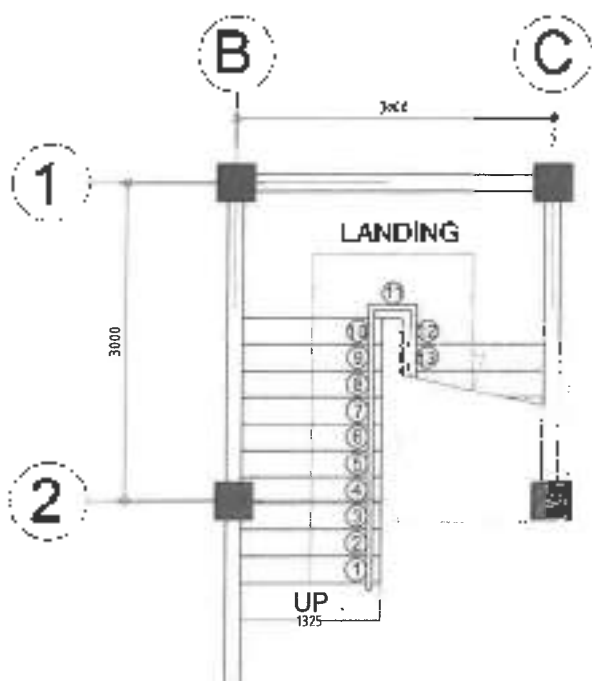
1 MAIN STAIRS DETAIL PLAN
A-B SCALE: 1/32"=1'-0"



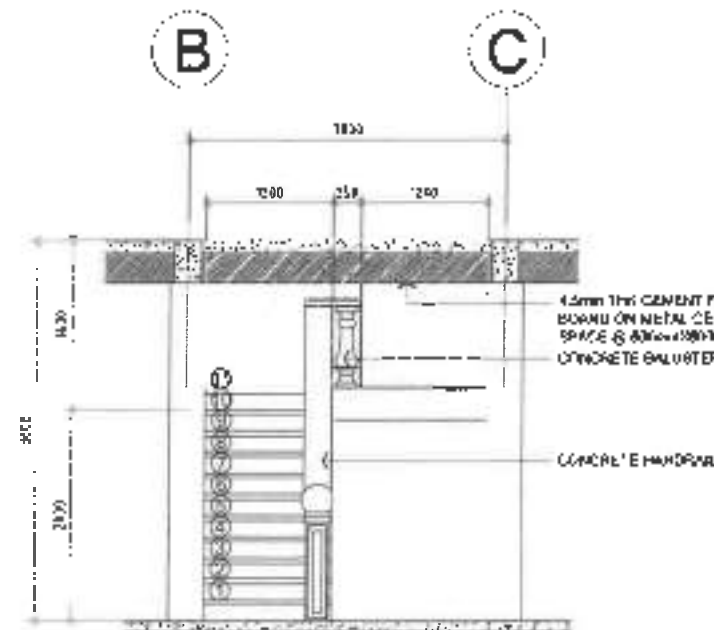
CROSS SECTION



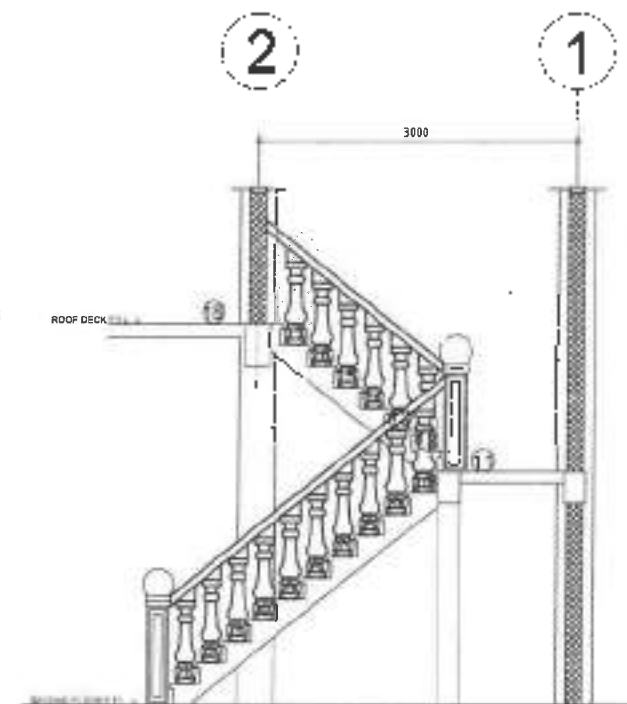
3 LONGITUDINAL SECTION
A-8 SCALE: 1:200



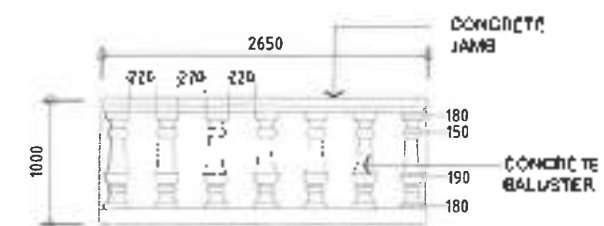
4 SECOND FLOOR STAIRS DETAIL PLAN
A-8 SCALE: 1/32"=1'-0"



5 CROSS SECTION
A-B SCALE: 1:35M

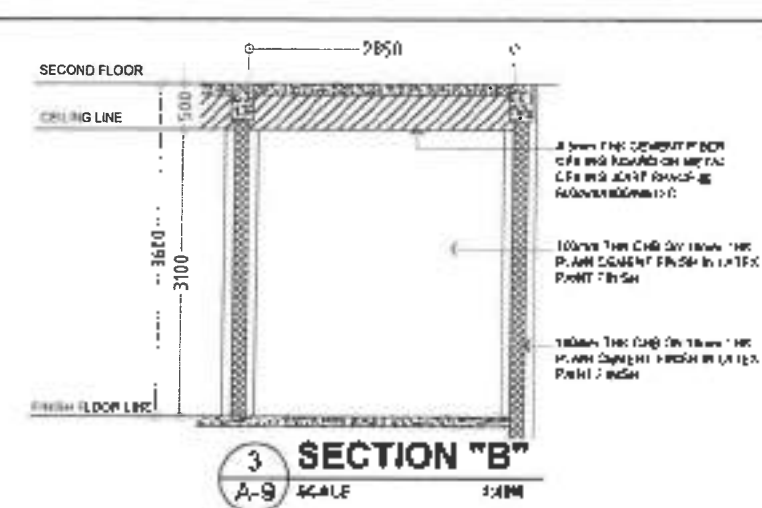
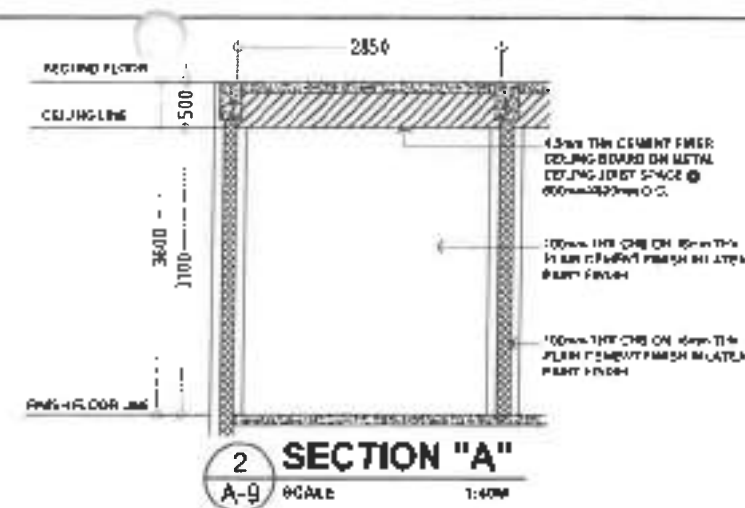


LONGITUDINAL SECTION



5 **DETAIL OF CONCRETE BALUSTER**
A-4 SCALE: 1/2" = 1'-0"

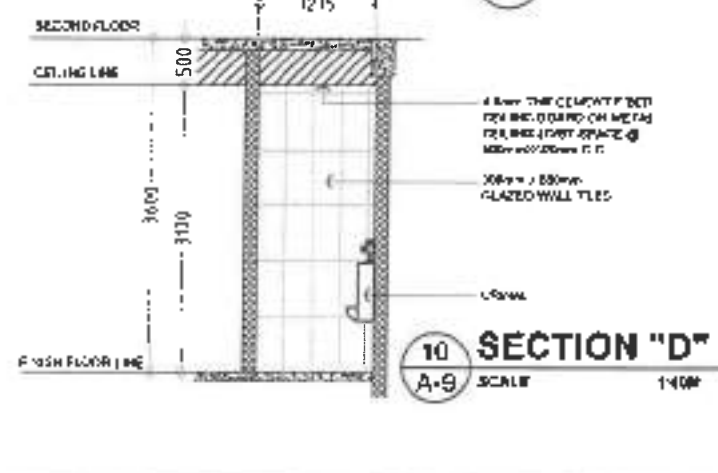
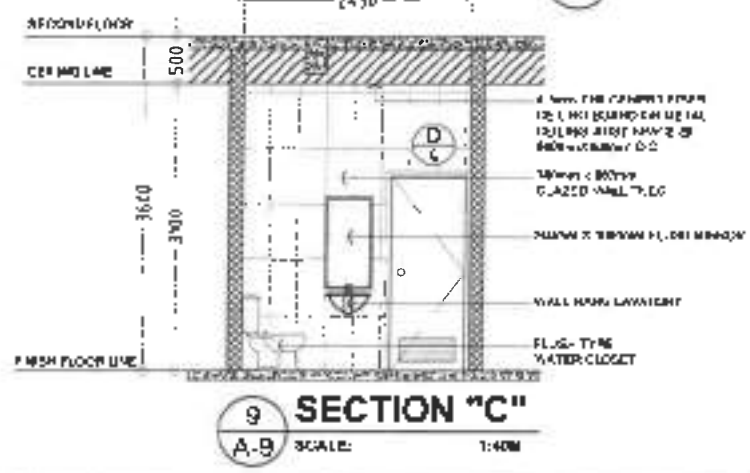
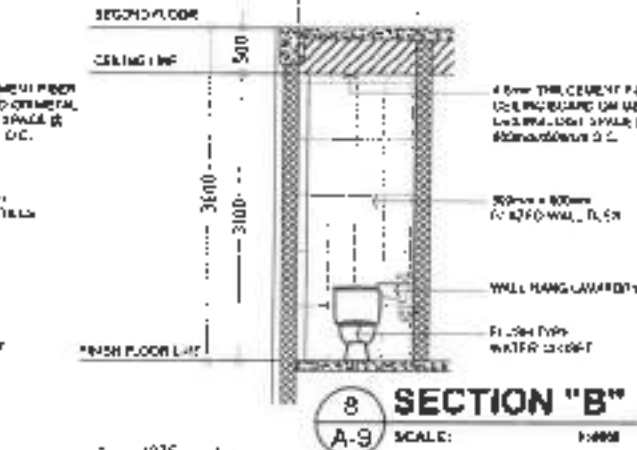
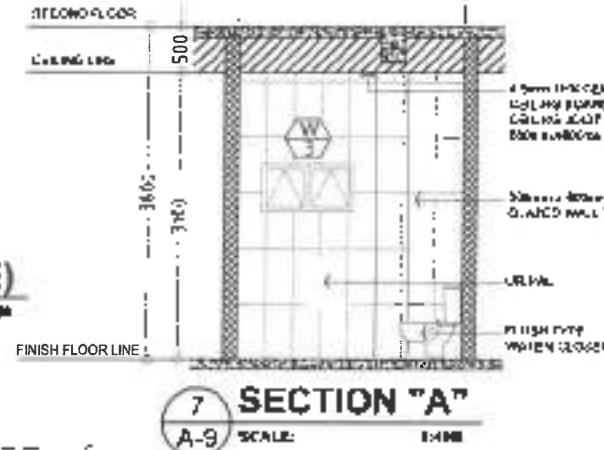
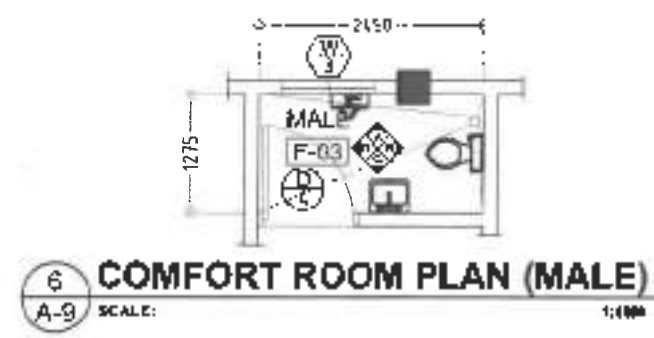
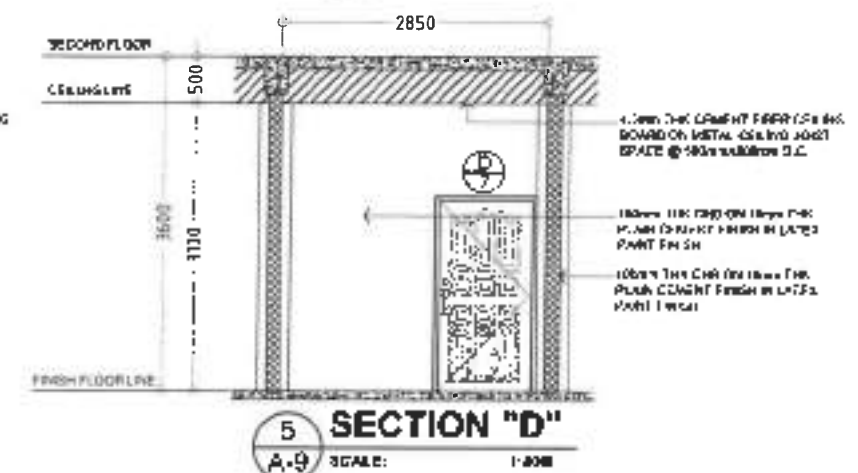
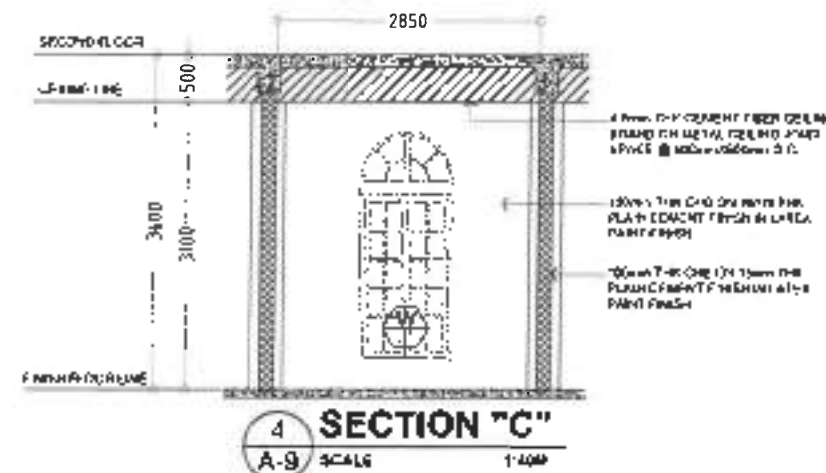
CONTACT: HILTON JAMES, JR. 800-541-4242
COLUMBIA SPECIALISTS, INC. 1000 N. 10TH ST. SUITE 100
COLUMBIA, SC 29201

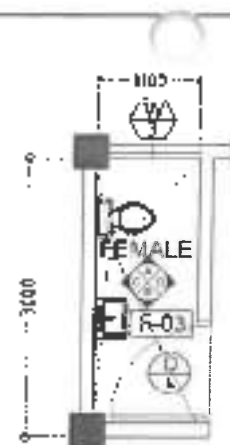


SCHEDULE OF FINISHES

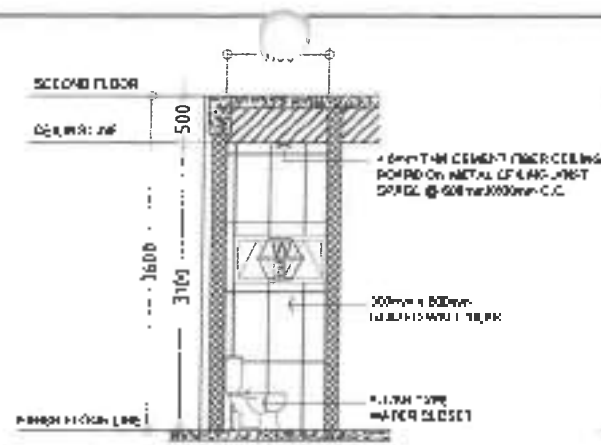
FLOOR FINISH	DESCRIPTION
F-01	NOT SET PLAN CEMENT FLOOR
F-02	MIXED PLAN CEMENT FLOOR WITH GROOVES
F-03	UNGLAZED TILES IN BATHROOM

NOTES:
1. DOORS AND WINDOWS NOT INCLUDED
2. FINISHING WORKS ARE NOT INCLUDED
3. BALUSTER AND RAILINGS ARE NOT INCLUDED

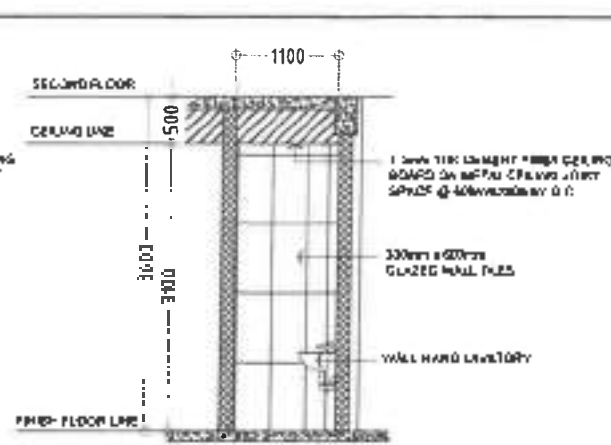




1 COMFORT ROOM PLAN (FEMALE)
A-10 SCALE: 1:40M



2 SECTION "A"
A-10 SCALE: 1:40M

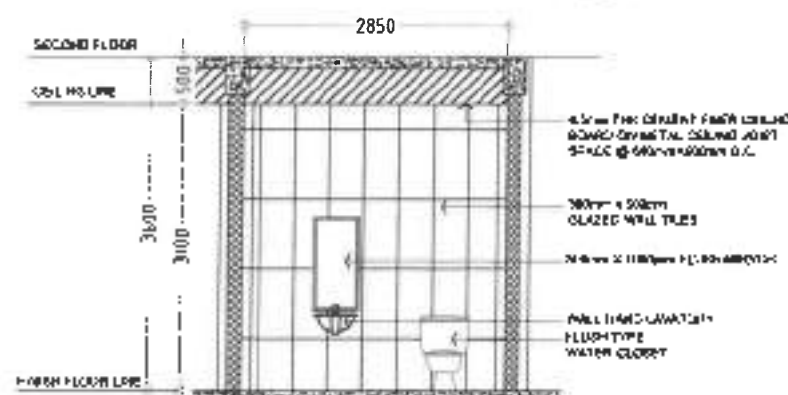


3 SECTION "B"
A-10 SCALE: 1:40M

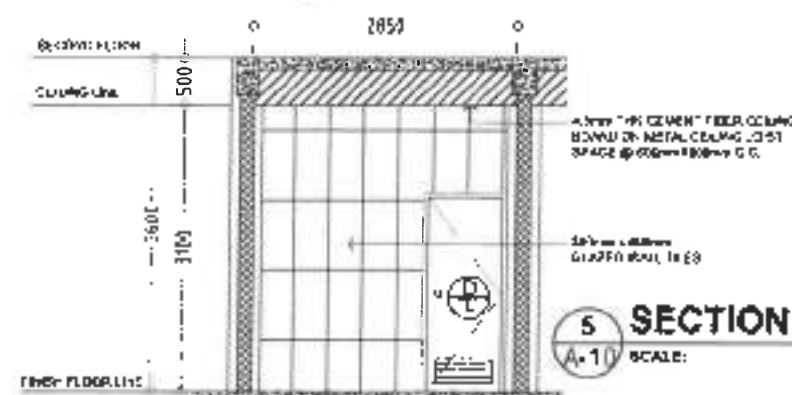
SCHEDULE OF FINISHES

Finish	DESCRIPTION
F-01	NON-GLOSS PLAIN CEMENT FINISH
T-02	WOOD GRAIN PLAIN CEMENT FLOOR BOARD FINISH OR GROUND
T-03	UNGLAZED TILES NOT INCLUDED

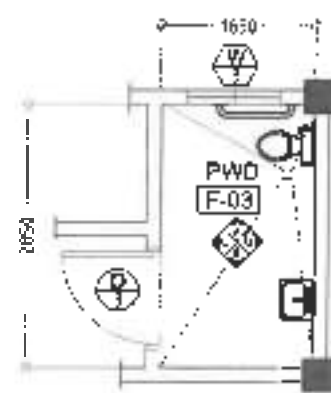
NOTE:
1. DOORS AND WINDOWS NOT INCLUDED
2. FINISHING WORKS ARE NOT INCLUDED
3. BALUSTER AND RAILINGS ARE NOT INCLUDED



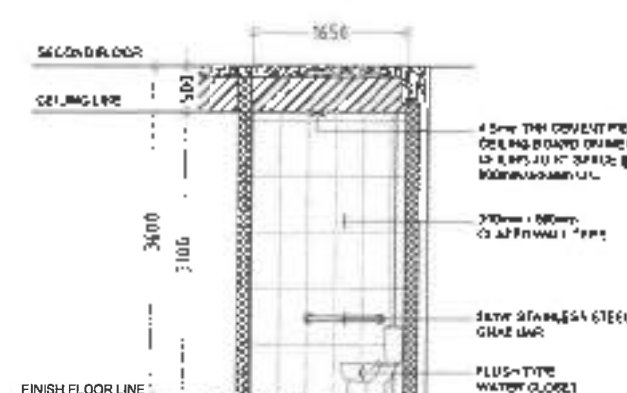
4 SECTION "C"
A-10 SCALE: 1:40M



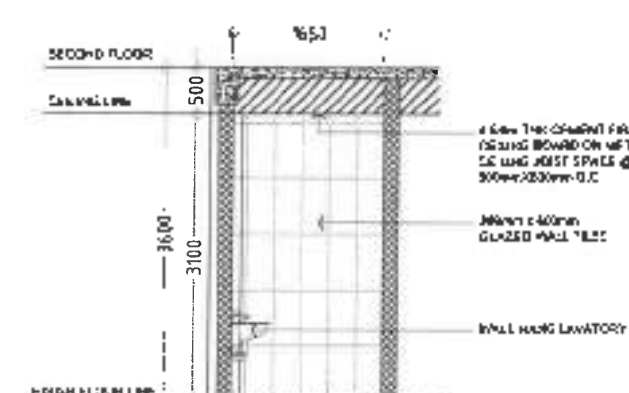
5 SECTION "D"
A-10 SCALE: 1:40M



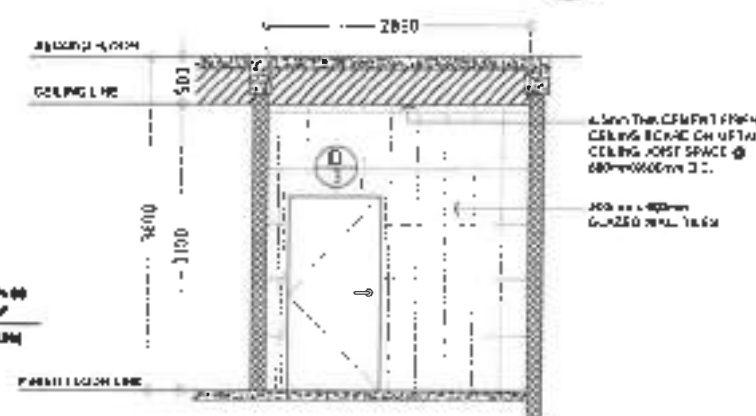
7 COMFORT ROOM PLAN (PWD)
A-10 SCALE: 1:40M



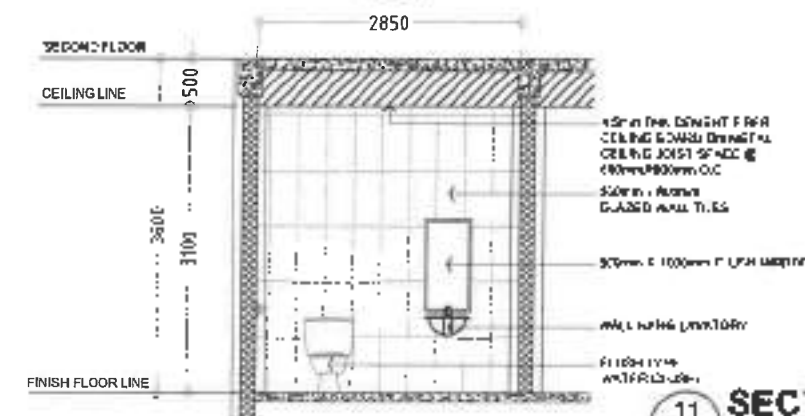
8 SECTION "A"
A-10 SCALE: 1:40M



9 SECTION "B"
A-10 SCALE: 1:40M



10 SECTION "C"
A-10 SCALE: 1:40M



11 SECTION "D"
A-10 SCALE: 1:40M



Department of Public Works and Highways
REGIONAL OFFICE NO. VII
NORTHERN SAMAR FIRST
DISTRICT ENGINEERING OFFICE
Calbayog, Samar

PROJECT NAME & LOCATION
CONSTRUCTION OF MULTIPURPOSE BUILDING,
CAPUL, NORTHERN SAMAR
Client: Provincial Engineer

SHEET CONTENTS
COMFORT ROOM PLAN (FEMALE)
COMFORT ROOM PLAN (PWD)

DESIGNED BY
ARIBURO P. BONGUE
CHECKED BY
ALVIN A. IGNACIO
APPROVED BY
ALVIN A. IGNACIO

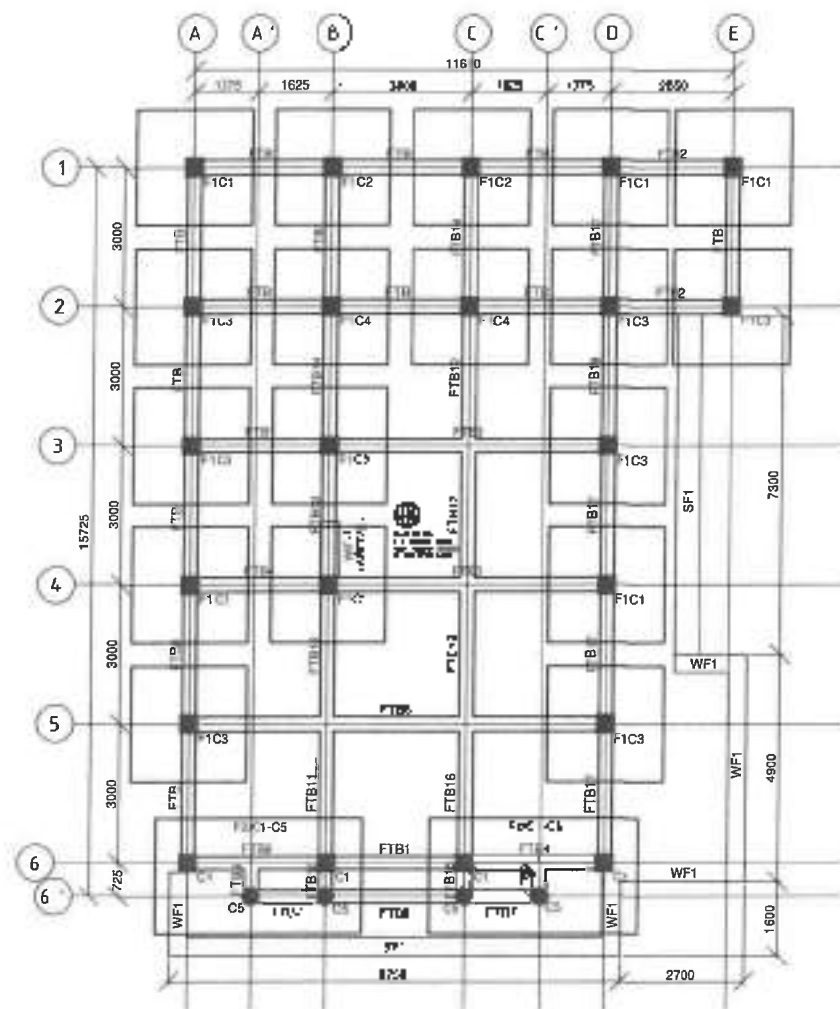
REVIEWED BY
ALVIN A. IGNACIO
APPROVED BY
ALVIN A. IGNACIO

DESIGNED BY
ALVIN A. IGNACIO
CHECKED BY
ALVIN A. IGNACIO

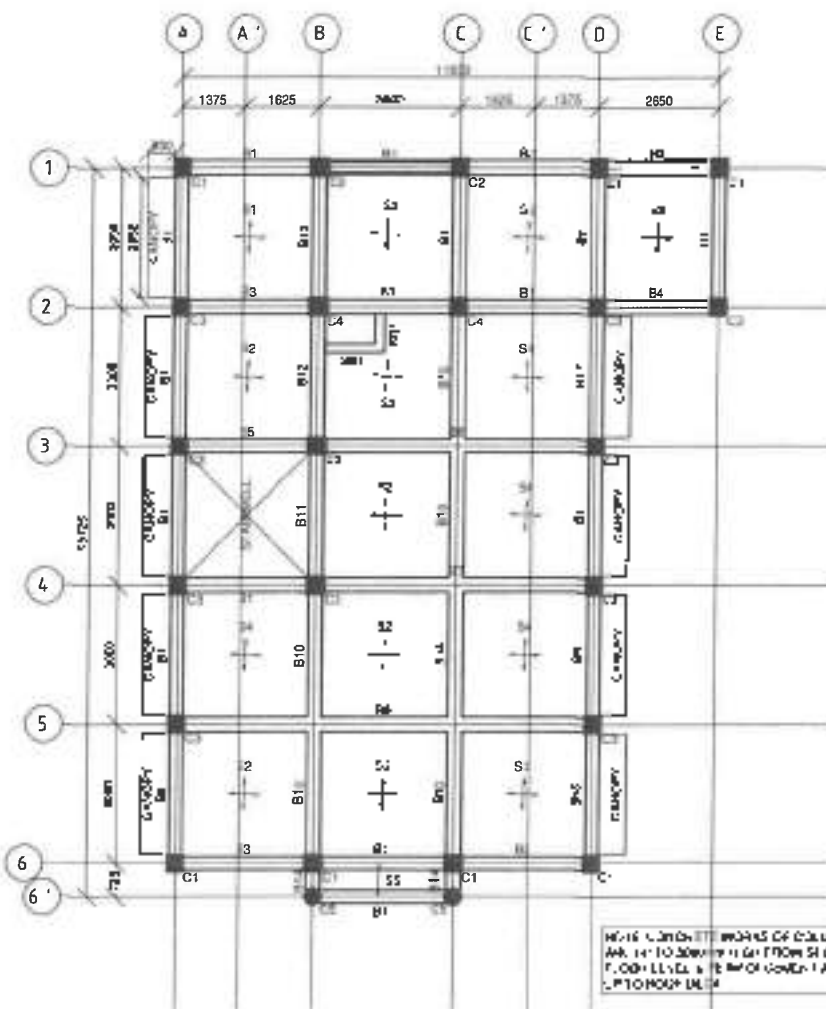
RECOMMENDED BY
ALVIN A. IGNACIO
APPROVED BY
ALVIN A. IGNACIO

APPROVED BY
ALVIN A. IGNACIO
APPROVED BY
ALVIN A. IGNACIO

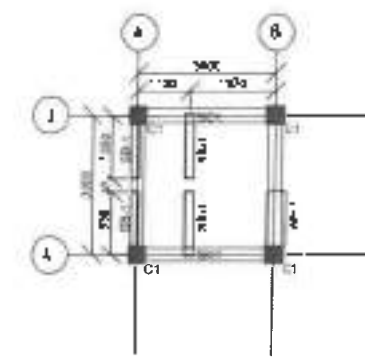
SHEET NO.
A-10
SHEET NO.
12



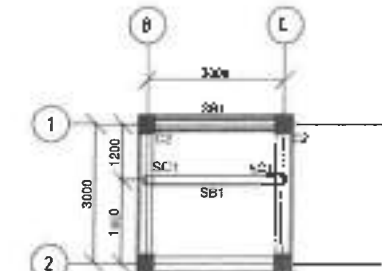
1 FOUNDATION PLAN
S-3 SCALE 1:100M



2 SECOND FLOOR BEAM FRAMING PLAN
S-3 SCALE 1:100M



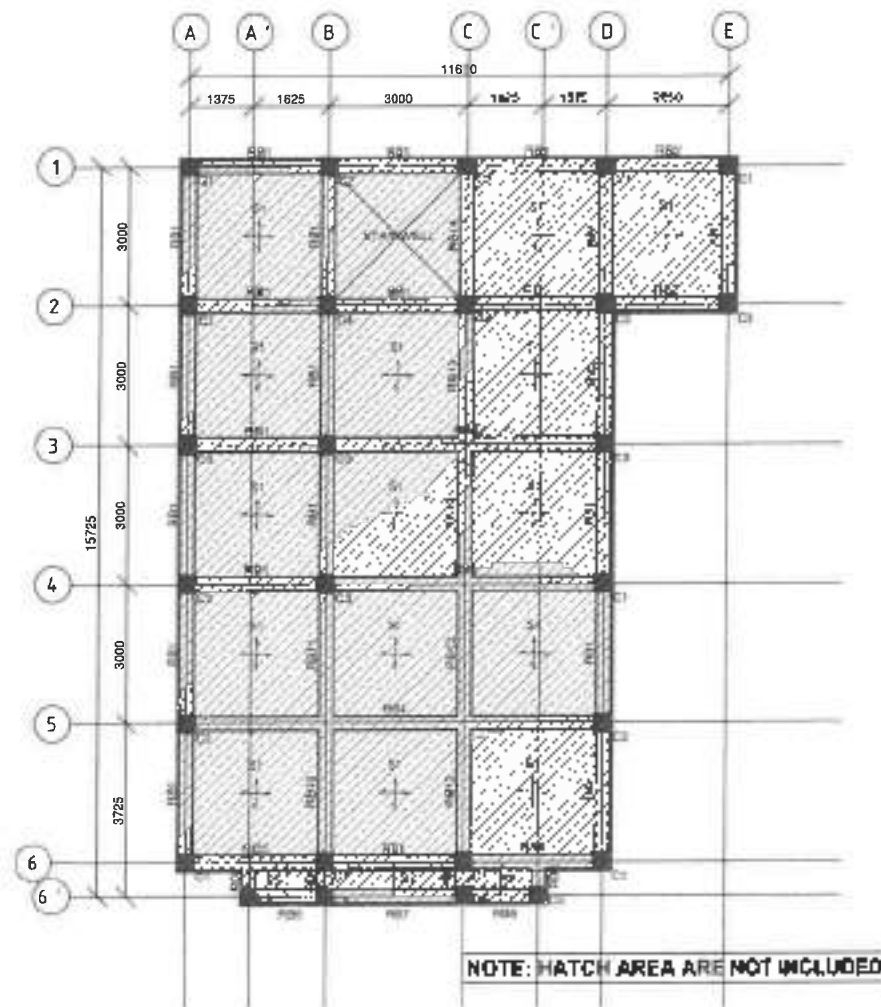
GROUND FLOOR
STAIR BEAM FRAMING PLAN
S-3 SCALE 1:100M



NOTE: HATCH AREA ARE NOT INCLUDED

SECOND FLOOR
STAIR BEAM FRAMING PLAN
S-3 SCALE 1:100M

DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGIONAL OFFICE NO. VII NORTHERN SAMAR FIRST DISTRICT ENGINEERING OFFICE CAPUL, Northern Samar	PROJECT NAME & LOCATION CONSTRUCTION OF MULTIPURPOSE BUILDING, CAPUL, NORTHERN SAMAR	SHEET CONTENTS FOUNDATION PLAN SECOND FLOOR BEAM FRAMING PLAN GROUND FLOOR STAIR BEAM FRAMING PLAN SECOND FLOOR STAIR BEAM FRAMING PLAN	DESIGNED BY ANTHONY J. ABAYO CHECKED BY ALVIN A. ISAGIO	APPROVED BY ALVIN A. ISAGIO CHECKED BY ALVIN A. ISAGIO	SUBMITTED BY ALVIN A. ISAGIO CHECKED BY ALVIN A. ISAGIO	RECOMMENDED BY ALVIN A. ISAGIO CHECKED BY ALVIN A. ISAGIO	DATE 03/07/2024	SHEET NO. 15
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1 ROOF DECK BEAM FRAMING PLAN
SCALE: 1:200

COLUMN NUMBER	COLUMN NAME	COLUMN AND WALL SCHEDULE											
		1. MAIN LINK	2. OTHERS	3. TOP LINK	4. MAIN LINK	5. OTHERS	6. TOP LINK	7. MAIN LINK	8. OTHERS	9. TOP LINK	10. MAIN LINK	11. OTHERS	12. TOP LINK
1	C1	12-118	12-118	12-118	12-118	12-118	12-118	12-118	12-118	12-118	12-118	12-118	12-118
		12-118	12-118	12-118	12-118	12-118	12-118	12-118	12-118	12-118	12-118	12-118	12-118
2	C2	12-118	12-118	12-118	12-118	12-118	12-118	12-118	12-118	12-118	12-118	12-118	12-118
		12-118	12-118	12-118	12-118	12-118	12-118	12-118	12-118	12-118	12-118	12-118	12-118
3	C3	12-118	12-118	12-118	12-118	12-118	12-118	12-118	12-118	12-118	12-118	12-118	12-118
		12-118	12-118	12-118	12-118	12-118	12-118	12-118	12-118	12-118	12-118	12-118	12-118
4	C4	12-118	12-118	12-118	12-118	12-118	12-118	12-118	12-118	12-118	12-118	12-118	12-118
		12-118	12-118	12-118	12-118	12-118	12-118	12-118	12-118	12-118	12-118	12-118	12-118
5	C5	12-118	12-118	12-118	12-118	12-118	12-118	12-118	12-118	12-118	12-118	12-118	12-118
		12-118	12-118	12-118	12-118	12-118	12-118	12-118	12-118	12-118	12-118	12-118	12-118
6	C6	12-118	12-118	12-118	12-118	12-118	12-118	12-118	12-118	12-118	12-118	12-118	12-118
		12-118	12-118	12-118	12-118	12-118	12-118	12-118	12-118	12-118	12-118	12-118	12-118

COLUMN AND WALL SCHEDULE

SCALE: 1:20

NOTE:

1. MAIN LINK: COLUMN AND WALL SCHEDULE. 2. OTHERS: COLUMN AND WALL SCHEDULE. 3. TOP LINK: COLUMN AND WALL SCHEDULE. 4. MAIN LINK: COLUMN AND WALL SCHEDULE. 5. OTHERS: COLUMN AND WALL SCHEDULE. 6. TOP LINK: COLUMN AND WALL SCHEDULE. 7. MAIN LINK: COLUMN AND WALL SCHEDULE. 8. OTHERS: COLUMN AND WALL SCHEDULE. 9. TOP LINK: COLUMN AND WALL SCHEDULE. 10. MAIN LINK: COLUMN AND WALL SCHEDULE. 11. OTHERS: COLUMN AND WALL SCHEDULE. 12. TOP LINK: COLUMN AND WALL SCHEDULE.

FOOTING SCHEDULE

FOOTING NUMBER	FOOTING TYPE	LENGTH (M)	WIDTH (M)	DEPTH (M)	REINFORCEMENT	REMARKS
F1	1.0m	1.0m	1.0m	1.0m	12-118	FOOTING SCHEDULE
F2	1.0m	1.0m	1.0m	1.0m	12-118	FOOTING SCHEDULE



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGIONAL OFFICE No. VIII
NORTHERN SAMAR FIRST
DISTRICT ENGINEERING OFFICE
Laluan, Samar, Samar

PROJECT NAME & LOCATION
CONSTRUCTION OF MULTIPURPOSE BUILDING,
CAPUL, NORTHERN SAMAR
Client: Northern Samar

SHEET CONTENTS
ROOF DECK BEAM FRAMING PLAN
COLUMN SCHEDULE
FOOTING SCHEDULE

DRAFTED
CYRIL H. [Signature]
DESIGNED
ANTHONY [Signature]

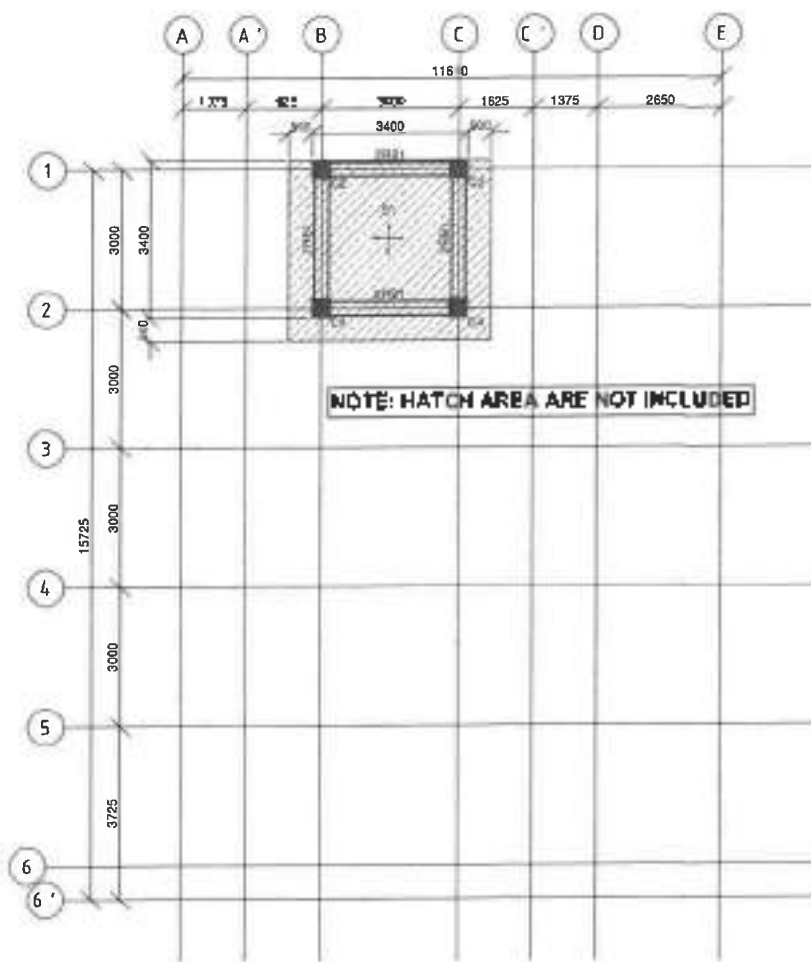
REVIEWED
[Signature]
MR. DONALD H. [Signature]
CHIEF PLANNING & DESIGN SECTION

QUANTITY
[Signature]
MR. B. [Signature]
CHIEF PLANNING & DESIGN SECTION

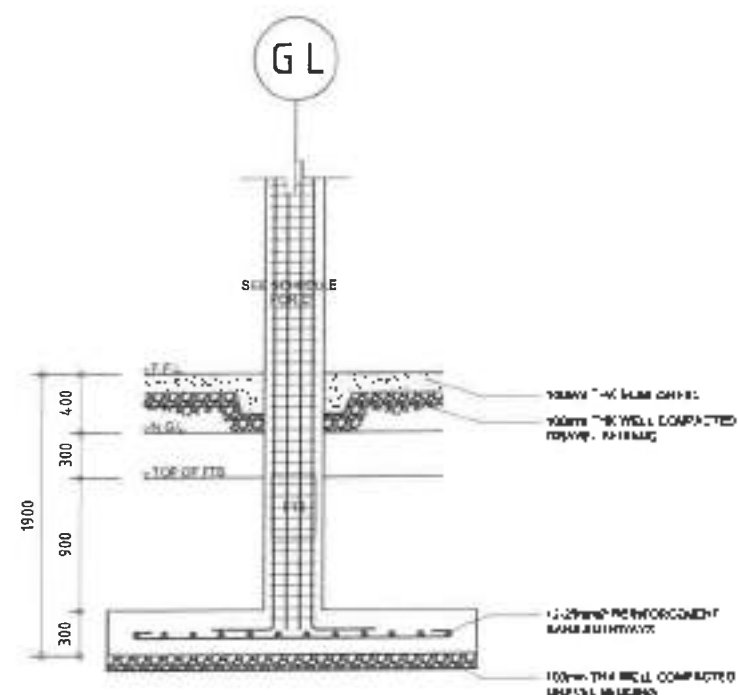
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[Signature]
MR. [Signature]
CHIEF PLANNING & DESIGN SECTION

APPROVED
[Signature]
MR. [Signature]
CHIEF PLANNING & DESIGN SECTION

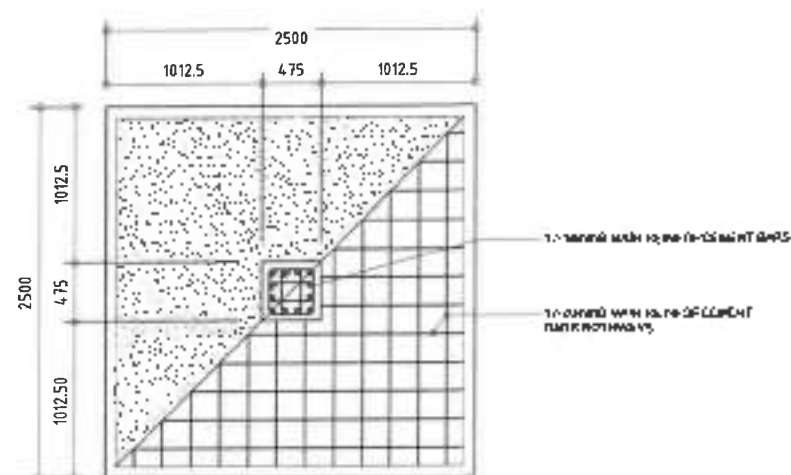
SHEET No.
16
16



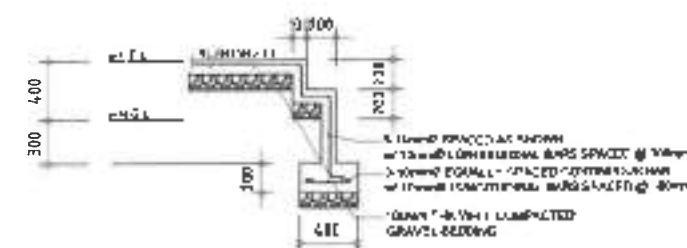
1 ROOF BEAM FRAMING PLAN
S-5 SCALE 1:1000



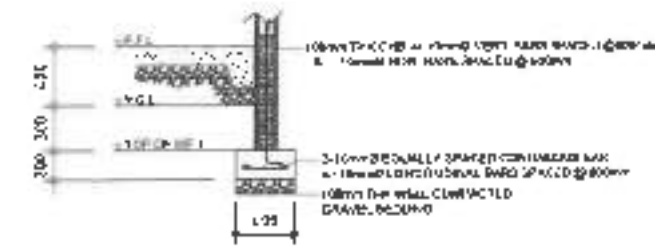
2 F1C1 DETAIL
S-5 SCALE 1:250



3 F2/C1-C5 DETAIL
S-5 SCALE 1:250



4 SF1 DETAIL
S-5 SCALE 1:250



5 WF1 DETAIL
S-5 SCALE 1:250



Department of Public Works and Highways
REGIONAL OFFICE NO. VII
NORTHERN SAMAR FIRST
DISTRICT ENGINEERING OFFICE
Cebu, Northern Samar

PROJECT NAME & LOCATION
CONSTRUCTION OF MULTIPURPOSE BUILDING,
CAPUL, NORTHERN SAMAR
Capul, Northern Samar

SHEET CONTENTS:
ROOF BEAM FRAMING PLAN
F1C1 DETAIL
SF1 DETAIL
WF1 DETAIL

DRAWN
GREGORY S. ROMAN
DESIGNED
ANTHONY S. ROMAN
CHECKED
ANTHONY S. ROMAN

REVIEWED
ALVIN A. IGNACIO
CHECKED
ALVIN A. IGNACIO

APPROVED
ANDY S. ESTRO
CHECKED
ANDY S. ESTRO

APPROVED
ALVIN A. IGNACIO
CHECKED
ALVIN A. IGNACIO

SET No. 5-5
SHEET No. 17
OF 32

FOOTING TIE BEAM SCHEDULE (C20 Fy414) (LEVEL 0.00)

BEAM NUMBERS	SIZE		BOTTOM REINFORCEMENT			TOP REINFORCEMENT			SHEAR STIRRUPS			SFR
	B	D	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	
FTB1	300	450	3-12	3-12	3-12	3-12	3-12	3-12	1-12 @ 100mm C/C	5-12 @ 100mm C/C	1-12 @ 100mm C/C	-
FTB2	300	450	3-12	3-12	3-12	3-12	3-12	3-12	1-12 @ 100mm C/C	5-12 @ 100mm C/C	1-12 @ 100mm C/C	-
FTB3	300	450	3-12	3-12	3-12	3-12	3-12	3-12	1-12 @ 100mm C/C	5-12 @ 100mm C/C	1-12 @ 100mm C/C	-
FTB4	300	450	3-12	3-12	3-12	3-12	3-12	3-12	1-12 @ 100mm C/C	5-12 @ 100mm C/C	1-12 @ 100mm C/C	-
FTB5	300	450	3-12	3-12	3-12	3-12	3-12	3-12	1-12 @ 100mm C/C	5-12 @ 100mm C/C	1-12 @ 100mm C/C	-
FTB6	300	450	3-12	3-12	3-12	3-12	3-12	3-12	1-12 @ 100mm C/C	5-12 @ 100mm C/C	1-12 @ 100mm C/C	-
FTB7	300	450	3-12	3-12	3-12	3-12	3-12	3-12	1-12 @ 100mm C/C	5-12 @ 100mm C/C	1-12 @ 100mm C/C	-
FTB8	300	450	3-12	3-12	3-12	3-12	3-12	3-12	1-12 @ 100mm C/C	5-12 @ 100mm C/C	1-12 @ 100mm C/C	-
FTB9	300	450	3-12	3-12	3-12	3-12	3-12	3-12	1-12 @ 100mm C/C	5-12 @ 100mm C/C	1-12 @ 100mm C/C	-
FTB10	300	450	3-12	3-12	3-12	3-12	3-12	3-12	1-12 @ 100mm C/C	5-12 @ 100mm C/C	1-12 @ 100mm C/C	-
FTB11	300	450	3-12	3-12	3-12	3-12	3-12	3-12	1-12 @ 100mm C/C	5-12 @ 100mm C/C	1-12 @ 100mm C/C	-
FTB12	300	450	3-12	3-12	3-12	3-12	3-12	3-12	1-12 @ 100mm C/C	5-12 @ 100mm C/C	1-12 @ 100mm C/C	-
FTB13	300	450	3-12	3-12	3-12	3-12	3-12	3-12	1-12 @ 100mm C/C	5-12 @ 100mm C/C	1-12 @ 100mm C/C	-
FTB14	300	450	3-12	3-12	3-12	3-12	3-12	3-12	1-12 @ 100mm C/C	5-12 @ 100mm C/C	1-12 @ 100mm C/C	-
FTB15	300	450	3-12	3-12	3-12	3-12	3-12	3-12	1-12 @ 100mm C/C	5-12 @ 100mm C/C	1-12 @ 100mm C/C	-
FTB16	300	450	3-12	3-12	3-12	3-12	3-12	3-12	1-12 @ 100mm C/C	5-12 @ 100mm C/C	1-12 @ 100mm C/C	-
FTB17	300	450	3-12	3-12	3-12	3-12	3-12	3-12	1-12 @ 100mm C/C	5-12 @ 100mm C/C	1-12 @ 100mm C/C	-
FTB18	300	450	3-12	3-12	3-12	3-12	3-12	3-12	1-12 @ 100mm C/C	5-12 @ 100mm C/C	1-12 @ 100mm C/C	-
FTB19	300	450	3-12	3-12	3-12	3-12	3-12	3-12	1-12 @ 100mm C/C	5-12 @ 100mm C/C	1-12 @ 100mm C/C	-
FTB20	300	450	3-12	3-12	3-12	3-12	3-12	3-12	1-12 @ 100mm C/C	5-12 @ 100mm C/C	1-12 @ 100mm C/C	-

SECOND FLOOR BEAM SCHEDULE (C20 Fy414) (LEVEL 2.00)

BEAM NUMBERS	SIZE		BOTTOM REINFORCEMENT			TOP REINFORCEMENT			SHEAR STIRRUPS			SFR
	B	D	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	
B1	300	450	3-12	3-12	3-12	3-12	3-12	3-12	1-12 @ 100mm C/C	5-12 @ 100mm C/C	1-12 @ 100mm C/C	-
B2	300	450	3-12	3-12	3-12	3-12	3-12	3-12	1-12 @ 100mm C/C	5-12 @ 100mm C/C	1-12 @ 100mm C/C	-
B3	300	450	3-12	3-12	3-12	3-12	3-12	3-12	1-12 @ 100mm C/C	5-12 @ 100mm C/C	1-12 @ 100mm C/C	-
B4	300	450	3-12	3-12	3-12	3-12	3-12	3-12	1-12 @ 100mm C/C	5-12 @ 100mm C/C	1-12 @ 100mm C/C	-
B5	300	450	3-12	3-12	3-12	3-12	3-12	3-12	1-12 @ 100mm C/C	5-12 @ 100mm C/C	1-12 @ 100mm C/C	-
B6	300	450	3-12	3-12	3-12	3-12	3-12	3-12	1-12 @ 100mm C/C	5-12 @ 100mm C/C	1-12 @ 100mm C/C	-
B7	300	450	3-12	3-12	3-12	3-12	3-12	3-12	1-12 @ 100mm C/C	5-12 @ 100mm C/C	1-12 @ 100mm C/C	-
B8	300	450	3-12	3-12	3-12	3-12	3-12	3-12	1-12 @ 100mm C/C	5-12 @ 100mm C/C	1-12 @ 100mm C/C	-
B9	300	450	3-12	3-12	3-12	3-12	3-12	3-12	1-12 @ 100mm C/C	5-12 @ 100mm C/C	1-12 @ 100mm C/C	-
B10	300	450	3-12	3-12	3-12	3-12	3-12	3-12	1-12 @ 100mm C/C	5-12 @ 100mm C/C	1-12 @ 100mm C/C	-
B11	300	450	3-12	3-12	3-12	3-12	3-12	3-12	1-12 @ 100mm C/C	5-12 @ 100mm C/C	1-12 @ 100mm C/C	-
B12	300	450	3-12	3-12	3-12	3-12	3-12	3-12	1-12 @ 100mm C/C	5-12 @ 100mm C/C	1-12 @ 100mm C/C	-
B13	300	450	3-12	3-12	3-12	3-12	3-12	3-12	1-12 @ 100mm C/C	5-12 @ 100mm C/C	1-12 @ 100mm C/C	-
B14	300	450	3-12	3-12	3-12	3-12	3-12	3-12	1-12 @ 100mm C/C	5-12 @ 100mm C/C	1-12 @ 100mm C/C	-
B15	300	450	3-12	3-12	3-12	3-12	3-12	3-12	1-12 @ 100mm C/C	5-12 @ 100mm C/C	1-12 @ 100mm C/C	-
B16	300	450	3-12	3-12	3-12	3-12	3-12	3-12	1-12 @ 100mm C/C	5-12 @ 100mm C/C	1-12 @ 100mm C/C	-
B17	300	450	3-12	3-12	3-12	3-12	3-12	3-12	1-12 @ 100mm C/C	5-12 @ 100mm C/C	1-12 @ 100mm C/C	-
B18	300	450	3-12	3-12	3-12	3-12	3-12	3-12	1-12 @ 100mm C/C	5-12 @ 100mm C/C	1-12 @ 100mm C/C	-
B19	300	450	3-12	3-12	3-12	3-12	3-12	3-12	1-12 @ 100mm C/C	5-12 @ 100mm C/C	1-12 @ 100mm C/C	-
B20	300	450	3-12	3-12	3-12	3-12	3-12	3-12	1-12 @ 100mm C/C	5-12 @ 100mm C/C	1-12 @ 100mm C/C	-

ROOF DECK BEAM SCHEDULE (C20 Fy414) (LEVEL 2.00)

BEAM NUMBERS	SIZE		BOTTOM REINFORCEMENT			TOP REINFORCEMENT			SHEAR STIRRUPS			SFR
	B	D	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	
RB1	300	450	3-12	3-12	3-12	3-12	3-12	3-12	1-12 @ 100mm C/C	5-12 @ 100mm C/C	1-12 @ 100mm C/C	-
RB2	300	450	3-12	3-12	3-12	3-12	3-12	3-12	1-12 @ 100mm C/C	5-12 @ 100mm C/C	1-12 @ 100mm C/C	-
RB3	300	450	3-12	3-12	3-12	3-12	3-12	3-12	1-12 @ 100mm C/C	5-12 @ 100mm C/C	1-12 @ 100mm C/C	-
RB4	300	450	3-12	3-12	3-12	3-12	3-12	3-12	1-12 @ 100mm C/C	5-12 @ 100mm C/C	1-12 @ 100mm C/C	-
RB5	300	450	3-12	3-12	3-12	3-12	3-12	3-12	1-12 @ 100mm C/C	5-12 @ 100mm C/C	1-12 @ 100mm C/C	-
RB6	300	450	3-12	3-12	3-12	3-12	3-12	3-12	1-12 @ 100mm C/C	5-12 @ 100mm C/C	1-12 @ 100mm C/C	-
RB7	300	450	3-12	3-12	3-12	3-12	3-12	3-12	1-12 @ 100mm C/C	5-12 @ 100mm C/C	1-12 @ 100mm C/C	-
RB8	300	450	3-12	3-12	3-12	3-12	3-12	3-12	1-12 @ 100mm C/C	5-12 @ 100mm C/C	1-12 @ 100mm C/C	-
RB9	300	450	3-12	3-12	3-12	3-12	3-12	3-12	1-12 @ 100mm C/C	5-12 @ 100mm C/C	1-12 @ 100mm C/C	-
RB10	300	450	3-12	3-12	3-12	3-12	3-12	3-12	1-12 @ 100mm C/C	5-12 @ 100mm C/C	1-12 @ 100mm C/C	-
RB11	300	450	3-12	3-12	3-12	3-12	3-12	3-12	1-12 @ 100mm C/C	5-12 @ 100mm C/C	1-12 @ 100mm C/C	-
RB12	300	450	3-12	3-12	3-12	3-12	3-12	3-12	1-12 @ 100mm C/C	5-12 @ 100mm C/C	1-12 @ 100mm C/C	-
RB13	300	450	3-12	3-12	3-12	3-12	3-12	3-12	1-12 @ 100mm C/C	5-12 @ 100mm C/C	1-12 @ 100mm C/C	-
RB14	300	450	3-12	3-12	3-12	3-12	3-12	3-12	1-12 @ 100mm C/C	5-12 @ 100mm C/C	1-12 @ 100mm C/C	-
RB15	300	450	3-12	3-12	3-12	3-12	3-12	3-12	1-12 @ 100mm C/C	5-12 @ 100mm C/C	1-12 @ 100mm C/C	-
RB16	300	450	3-12	3-12	3-12	3-12	3-12	3-12	1-12 @ 100mm C/C	5-12 @ 100mm C/C	1-12 @ 100mm C/C	-
RB17	300	450	3-12	3-12	3-12	3-12	3-12	3-12	1-12 @ 100mm C/C	5-12 @ 100mm C/C	1-12 @ 100mm C/C	-
RB18	300	450	3-12	3-12	3-12	3-12	3-12	3-12	1-12 @ 100mm C/C	5-12 @ 100mm C/C	1-12 @ 100mm C/C	-
RB19	300	450	3-12	3-12	3-12	3-12	3-12	3-12	1-12 @ 100mm C/C	5-12 @ 100mm C/C	1-12 @ 100mm C/C	-
RB20	300	450	3-12	3-12	3-12	3-12	3-12	3-12	1-12 @ 100mm C/C	5-12 @ 100mm C/C	1-12 @ 100mm C/C	-

ROOF BEAM SCHEDULE (C20 Fy414) (LEVEL 2.00)

BEAM NUMBERS	SIZE		BOTTOM REINFORCEMENT			TOP REINFORCEMENT			SHEAR STIRRUPS			SFR
	B	D	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	
RB21	300	450	3-12	3-12	3-12	3-12	3-12	3-12	1-12 @ 100mm C/C	5-12 @ 100mm C/C	1-12 @ 100mm C/C	-

NOTE: HATCH AREA ARE NOT INCLUDED

FOOTING TIE BEAM SCHEDULE (C20 Fy414) (LEVEL 0.00)

BEAM NO	AT SUPPORT		AT MIDSPAN	
	Diagram	Diagram	Diagram	Diagram
FTB1, FTB2, FTB3, FTB4	Diagram	Diagram	Diagram	Diagram
FTB5, FTB6, FTB7, FTB8, FTB9, FTB10	Diagram	Diagram	Diagram	Diagram
FTB11, FTB12, FTB13, FTB14, FTB15, FTB16, FTB17, FTB18, FTB19, FTB20	Diagram	Diagram	Diagram	Diagram

ROOF BEAM SCHEDULE (C20 Fy414) (LEVEL 2.00)

BEAM NO	AT SUPPORT		AT MIDSPAN	
	Diagram	Diagram	Diagram	Diagram
RB1, RB2, RB3, RB4, RB5, RB6, RB7, RB8, RB9, RB10, RB11, RB12, RB13, RB14, RB15, RB16, RB17, RB18, RB19, RB20	Diagram	Diagram	Diagram	Diagram

NOTE: HATCH AREA ARE NOT INCLUDED

SECOND FLOOR BEAM SCHEDULE (C20 Fy414) (LEVEL 2.00)

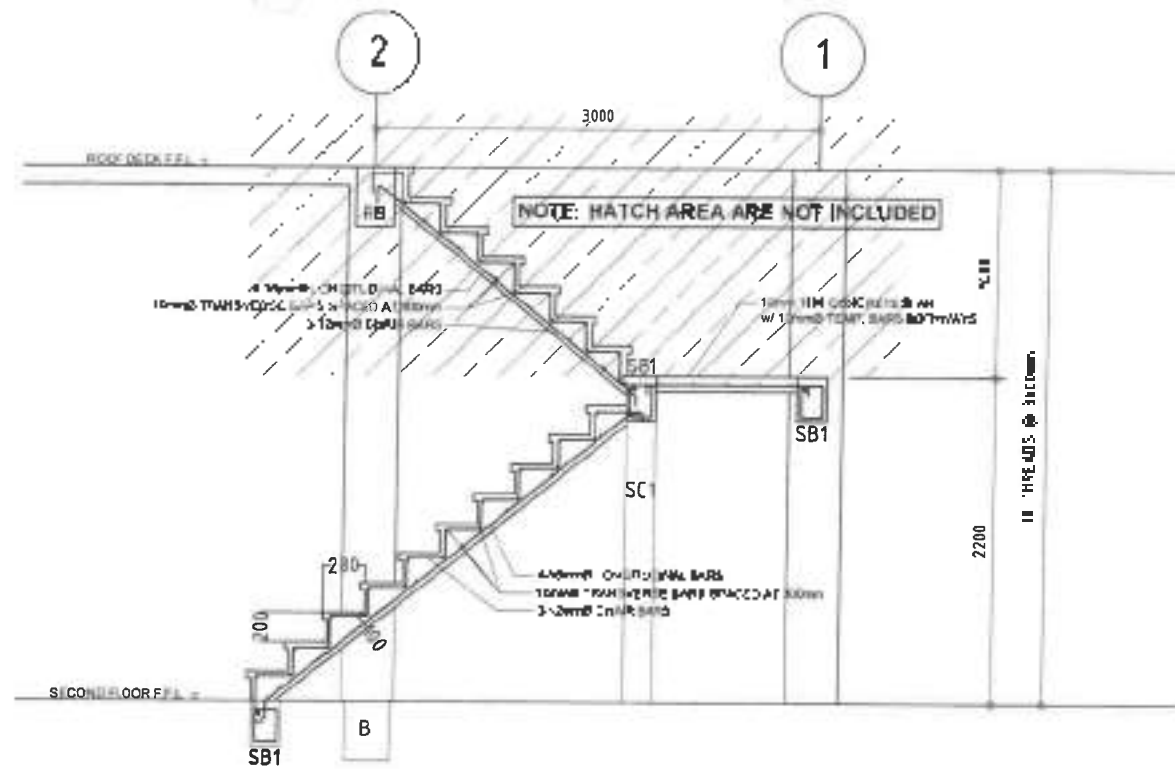
BEAM NO	AT SUPPORT		AT MIDSPAN	
	Diagram	Diagram	Diagram	Diagram
B1, B2, B3, B4, B5, B6, B7, B8, B9, B10, B11, B12, B13, B14, B15, B16, B17, B18, B19, B20	Diagram	Diagram	Diagram	Diagram

ROOF DECK BEAM SCHEDULE (C20 Fy414) (LEVEL 2.00)

BEAM NO	AT SUPPORT		AT MIDSPAN	
	Diagram	Diagram	Diagram	Diagram
RB1, RB2, RB3, RB4, RB5, RB6, RB7, RB8, RB9, RB10, RB11, RB12, RB13, RB14, RB15, RB16, RB17, RB18, RB19, RB20	Diagram	Diagram	Diagram	Diagram

NOTE: HATCH AREA ARE NOT INCLUDED





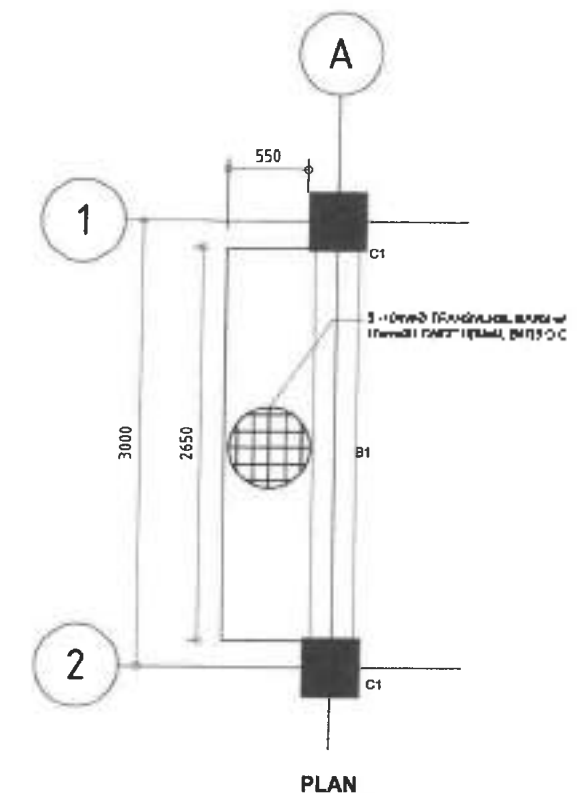
2
S-7
SCALE 1:25H



3
S-7
SCALE 1:25H



4
S-7
SCALE 1:25H

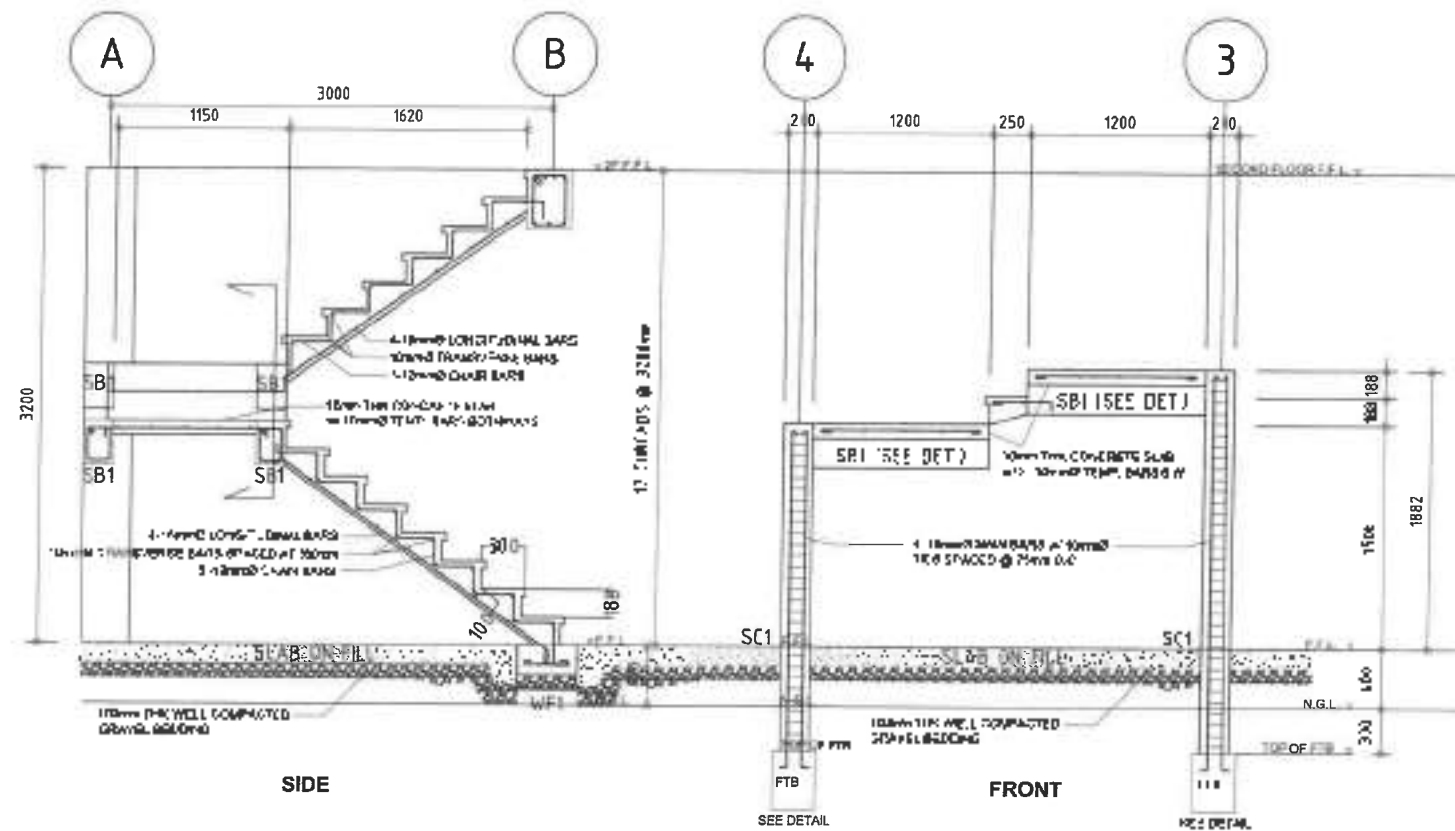


PLAN



SECTION

5
S-7
SCALE 1:25H



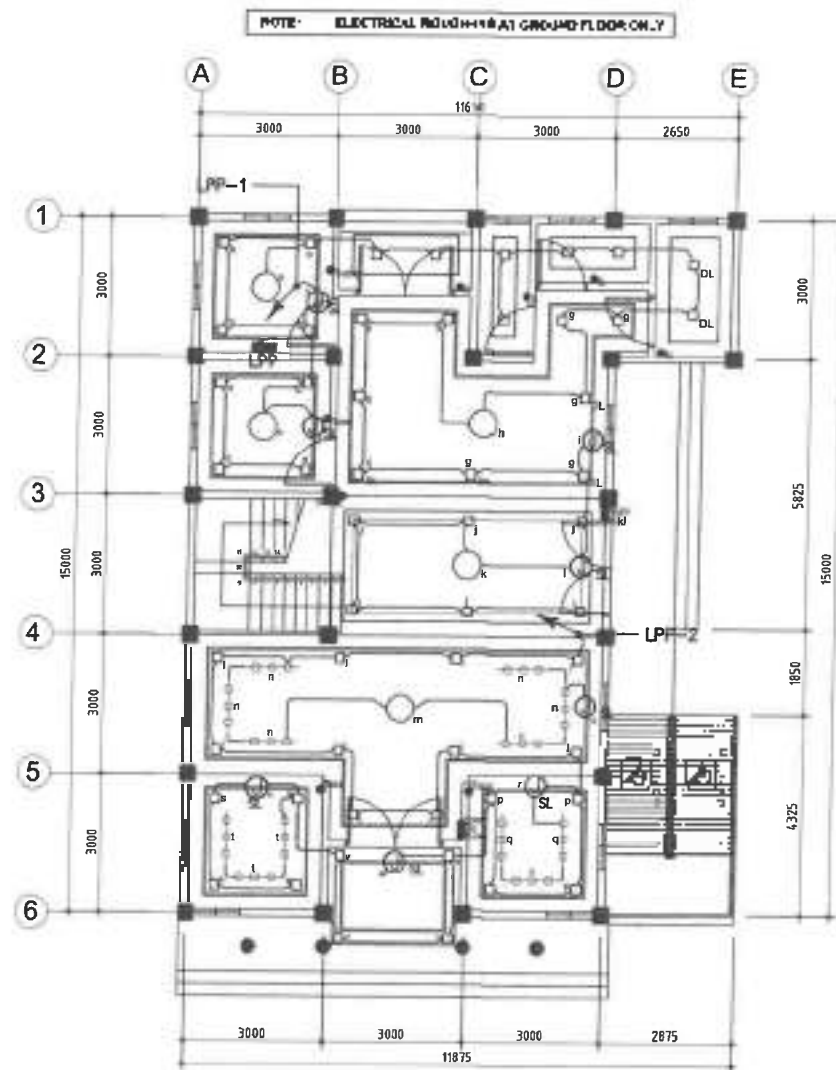
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S-7
SCALE 1:25H



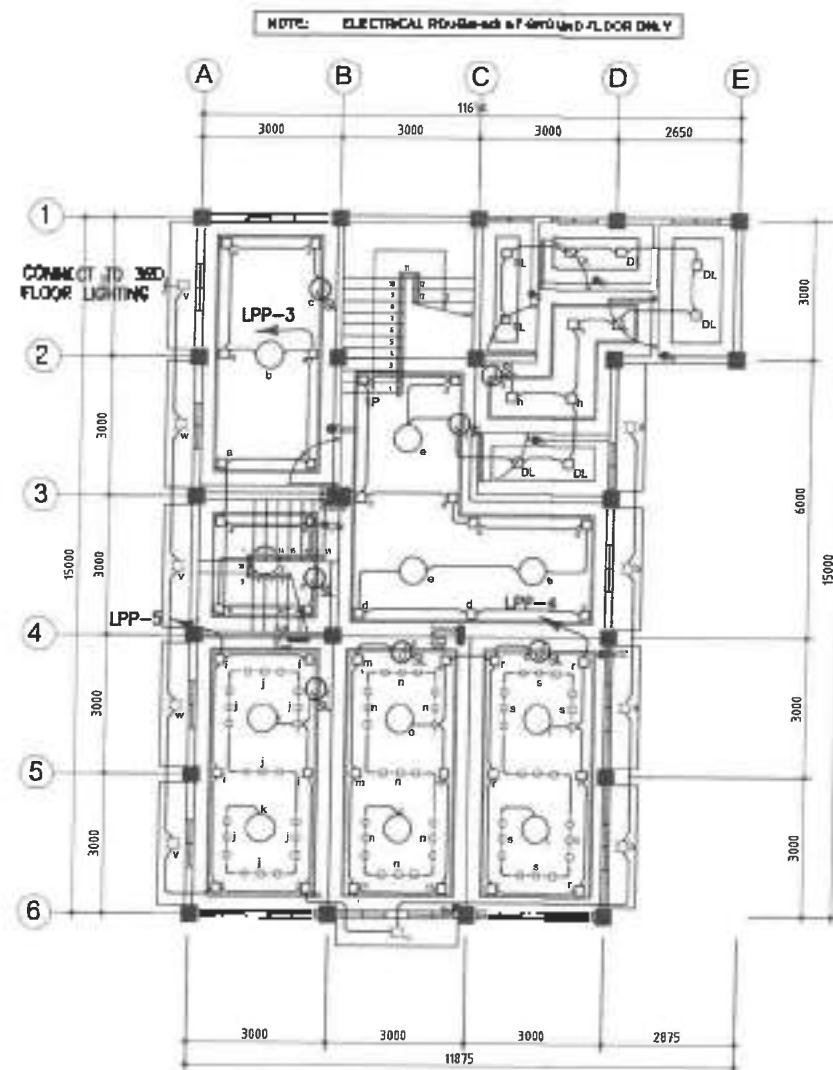
Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGIONAL OFFICE No. VII
NORTHERN SAMAR FIRST
DISTRICT ENGINEERING OFFICE
Lipana, Marikina City

PROJECT NAME & LOCATION
CONSTRUCTION OF MULTIPURPOSE BUILDING,
CAPUL, NORTHERN SAMAR
Lipana, Marikina City

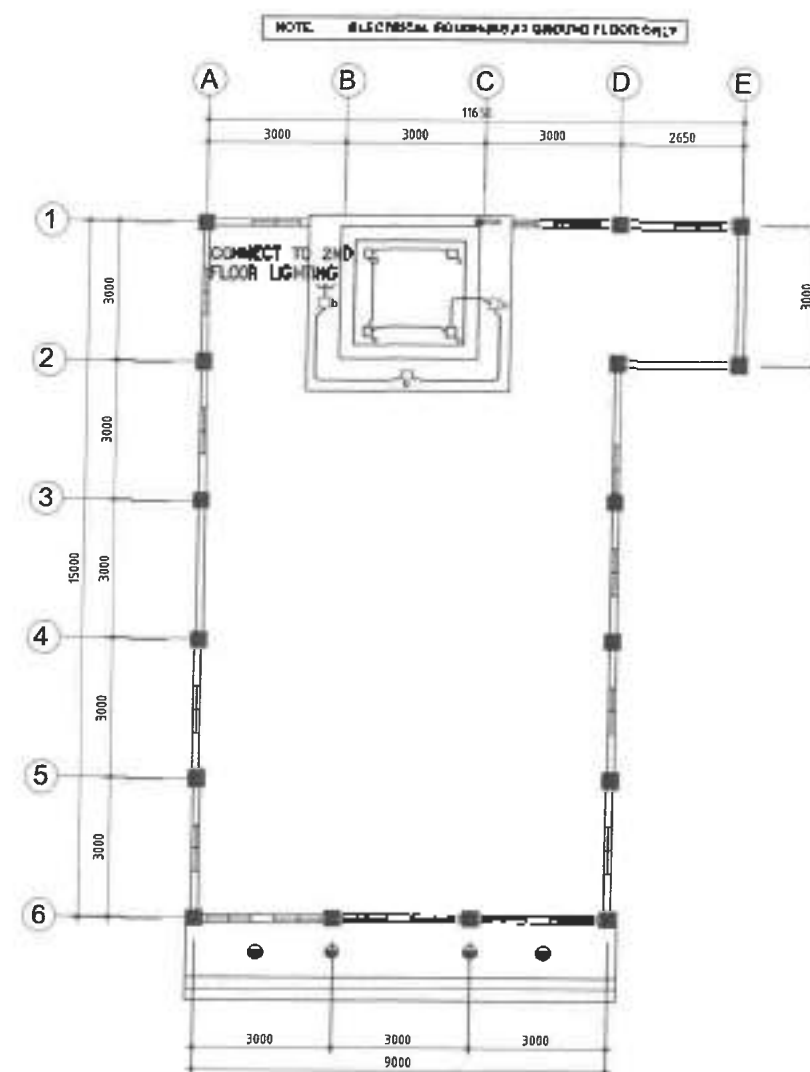
SHEET CONTENTS
OF 1.2.3.4.5.6.7.8.9.10.11.12.13.14.15.16.17.18.19.20.21.22.23.24.25.26.27.28.29.30.31.32.33.34.35.36.37.38.39.40.41.42.43.44.45.46.47.48.49.50.51.52.53.54.55.56.57.58.59.60.61.62.63.64.65.66.67.68.69.70.71.72.73.74.75.76.77.78.79.80.81.82.83.84.85.86.87.88.89.90.91.92.93.94.95.96.97.98.99.100.101.102.103.104.105.106.107.108.109.110.111.112.113.114.115.116.117.118.119.120.121.122.123.124.125.126.127.128.129.130.131.132.133.134.135.136.137.138.139.140.141.142.143.144.145.146.147.148.149.150.151.152.153.154.155.156.157.158.159.160.161.162.163.164.165.166.167.168.169.170.171.172.173.174.175.176.177.178.179.180.181.182.183.184.185.186.187.188.189.190.191.192.193.194.195.196.197.198.199.200.201.202.203.204.205.206.207.208.209.210.211.212.213.214.215.216.217.218.219.220.221.222.223.224.225.226.227.228.229.230.231.232.233.234.235.236.237.238.239.240.241.242.243.244.245.246.247.248.249.250.251.252.253.254.255.256.257.258.259.260.261.262.263.264.265.266.267.268.269.270.271.272.273.274.275.276.277.278.279.280.281.282.283.284.285.286.287.288.289.290.291.292.293.294.295.296.297.298.299.300.301.302.303.304.305.306.307.308.309.310.311.312.313.314.315.316.317.318.319.320.321.322.323.324.325.326.327.328.329.330.331.332.333.334.335.336.337.338.339.340.341.342.343.344.345.346.347.348.349.350.351.352.353.354.355.356.357.358.359.360.361.362.363.364.365.366.367.368.369.370.371.372.373.374.375.376.377.378.379.380.381.382.383.384.385.386.387.388.389.390.391.392.393.394.395.396.397.398.399.400.401.402.403.404.40



1 GROUND FLOOR LIGHTING LAYOUT PLAN
E-1 SCALE 1:800



2 SECOND FLOOR LIGHTING LAYOUT PLAN
E-1 SCALE 1:800



3 ROOF LIGHTING LAYOUT PLAN
E-1 SCALE 1:800



Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGIONAL OFFICE No. VII
NORTHERN SAMAR FIRST
DISTRICT ENGINEERING OFFICE
Tigaparan, Marikina, Samar

PROJECT NAME & LOCATION
CONSTRUCTION OF MULTIPURPOSE BUILDING,
CAMPUS, NORTHERN SAMAR
Capul, Northern Samar

SHEET CONTENTS
GROUND FLOOR LIGHTING LAYOUT PLAN
SECOND FLOOR LIGHTING LAYOUT PLAN
ROOF LIGHTING LAYOUT PLAN

DRAFTED:
ELYMA E. OCAMBO
DESIGNED:
ALVIN A. IGNACIO
CHECKED:
ALVIN A. IGNACIO

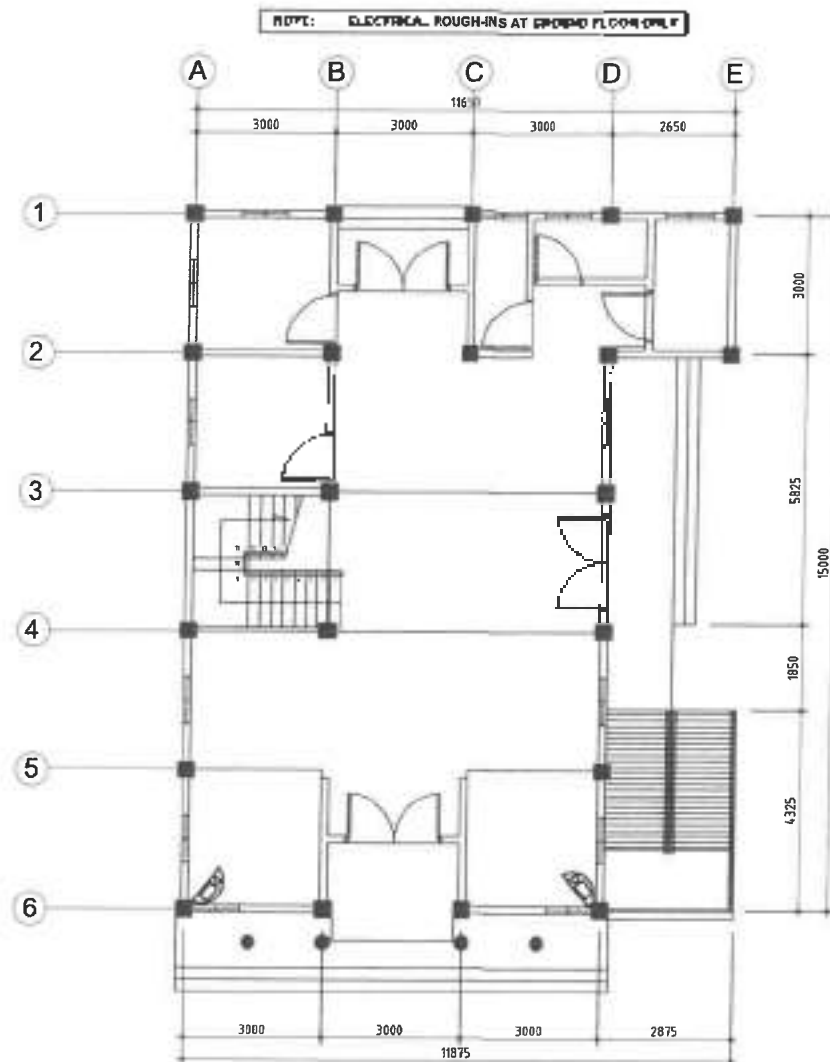
REVIEWED:
ALVIN A. IGNACIO
APPROVED:
ALVIN A. IGNACIO

SUBMITTED:
ALVIN A. IGNACIO
RECOMMENDED:
ALVIN A. IGNACIO

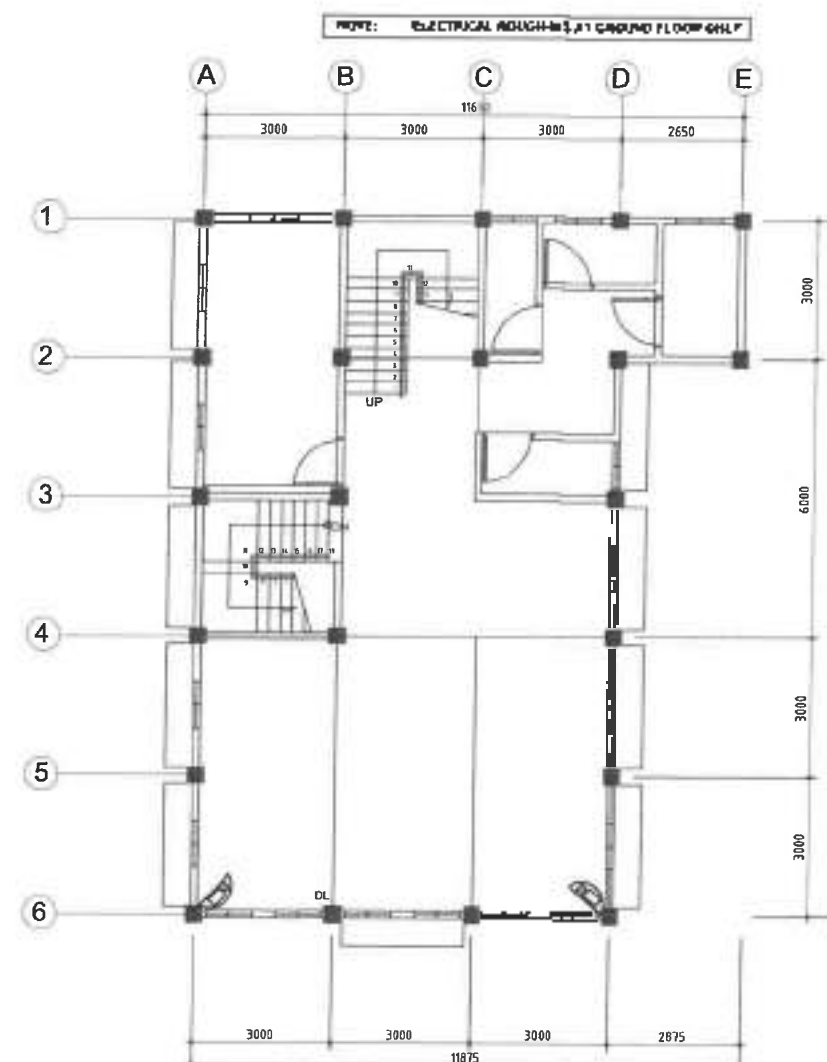
APPROVED:
ALVIN A. IGNACIO
DATE: 01/05/2020

SET No.
E-1
SHEET No.
20





1 GROUND FLOOR CCTV LAYOUT PLAN
E-3 SCALE 1:800



2 SECOND FLOOR CCTV LAYOUT PLAN
E-3 SCALE 1:800



Department of Public Works and Highways
Regional Office No. VII
NORTHERN SAMAR FIRST
DISTRICT ENGINEERING OFFICE
CABANALAN, NORTHERN SAMAR

PROJECT NAME & LOCATION
CONSTRUCTION OF MULTIPURPOSE BUILDING,
CAPUL, NORTHERN SAMAR
DATA NORTHERN SAMAR

SHEET CONTENTS:
GROUND FLOOR CCTV LAYOUT PLAN
SECOND FLOOR CCTV LAYOUT PLAN

DRAFTED:
SILVERIO OCAMPO
PROJECT SUPERVISOR
DESIGNED:
MARCO ANTONIO DOMESTICO
ENGINEER

REVIEWED:
MARCO ANTONIO DOMESTICO
ASST. CHIEF PLANNING & DESIGN SECTION

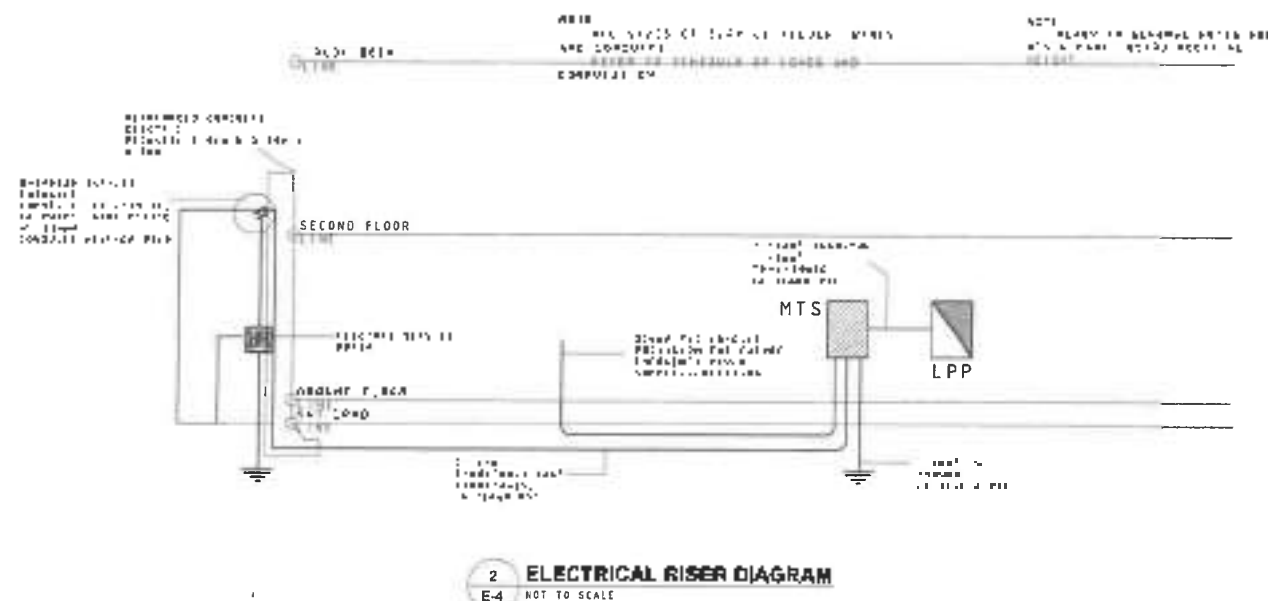
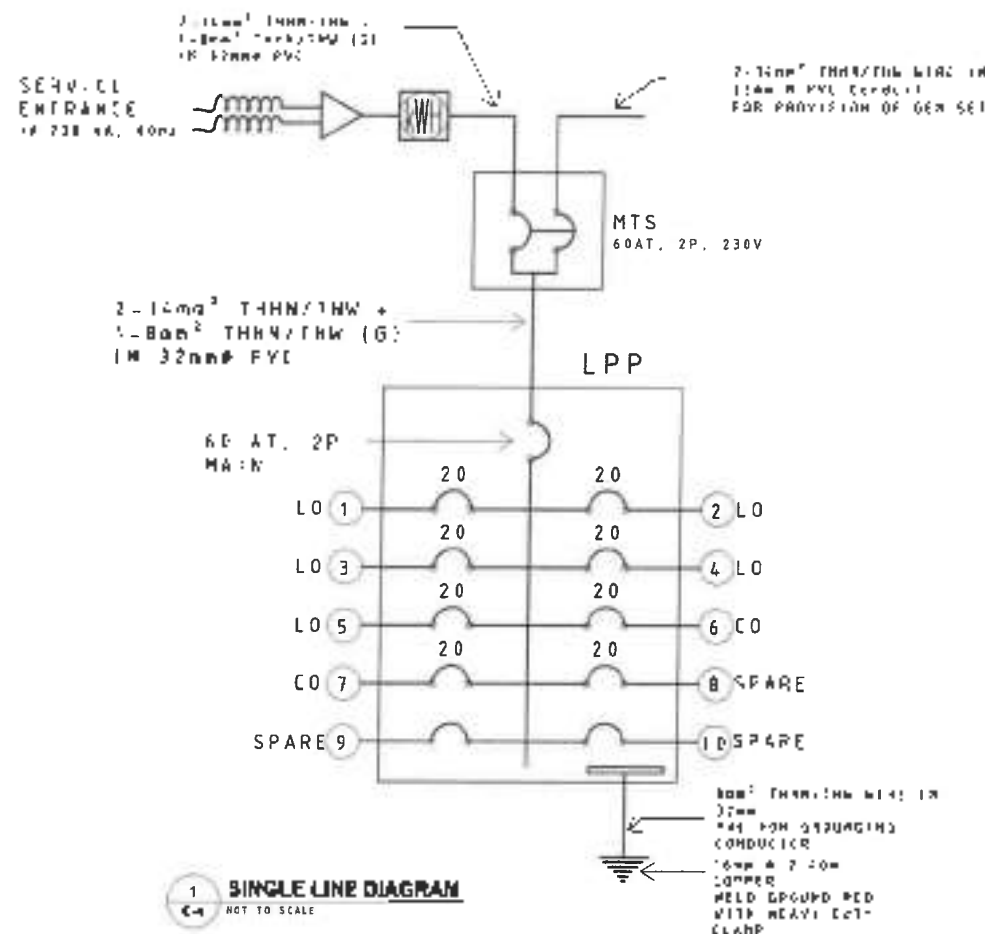
SUBMITTED:
JOY S. ESTERIO
CHIEF PLANNING & DESIGN SECTION

RECOMMENDED:
VICTOR A. DOMESTICO
ASST. CHIEF PLANNING & DESIGN SECTION

APPROVED:
ALVIN A. IONACIO
DISTRICT ENGINEER

SET No.
EE-3
03/25

SHEET No.
72
82



GENERAL NOTES:

- ALL ELECTRICAL WORKS SHALL COMPLY W/ THESE PLANS AND SPECIFICATIONS. THE APPLICABLE PROVISION OF THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE (PEC), THE RULES AND REGULATIONS OF THE LOCAL ENFORCING AUTHORITY AND THE REQUIREMENTS OF THE LOCAL POWER COMPANY.
- THE ELECTRICAL SERVICE POWER SHALL BE 1-PHASE, 2-WIRE, 230 AC, 60Hz.
- WIRING METHOD SHALL BE AS FOLLOWS:
RIGID STEEL CONDUIT OR POLYVINYL CHLORIDE CONDUIT SCHEDULE 40 SHALL BE USED AS SPECIFIED PLAN.
- ALL WIRES SHALL BE COPPER AND THERMOPLASTIC INSULATED TYPE "THHN" UNLESS OTHERWISE INDICATED IN THE PLAN. THE MINIMUM SIZE WIRE FOR POWER AND LIGHTING CIRCUIT MONUMENTS SHALL BE 3.5mm² AND INSULATED FOR 600VOLTS. LIKE WIRE, ALL CONDUCTORS SHALL BE COLOR CODED. SMALLEST RACEWAYS SHALL BE 13mm² (NOMINAL).
- ALL OUTLET BOXES SHALL BE GALVANIZED GAGE NO.16 DEEP TYPE.
- ALL MATERIALS TO BE USED SHALL BE BRAND NEW AND APPROVED FOR THE PARTICULAR LOCATION AND USAGE.
- EQUIPMENT GROUNDING SYSTEM SHALL BE PROVIDED TO THE ELECTRICAL SYSTEM AS PER PHILIPPINE ELECTRICAL CODE REQUIREMENT.
- MOUNTING HEIGHT OF WIRING DEVICES SHALL BE AS FOLLOWS:
 - LIGHT SWITCH: 1400mm ABOVE FINISH FLOOR
 - CONVENIENCE OUTLET: 300mm ABOVE FINISH FLOOR
 - PANEL BOARD: 1800mm ABOVE FINISH FLOOR
- ALL ELECTRICAL WORKS SHALL BE DONE UNDER THE DIRECT AND IMMEDIATE SUPERVISION OF A DULY REGISTERED ELECTRICAL ENGINEER.
- LAYOUT DIMENSION SHOWN IN DRAWINGS ARE APPROXIMATE ONLY AND INTENDED TO SERVE AS AN INSTALLATION GUIDE. DIMENSION MAY BE ADJUSTED AS REQUIRED TO MEET FIELD CONDITION. WHENEVER FIELD CONDITION OR EXIGENCIES OF CONSTRUCTION MAKE DEPARTURE FROM THE LAYOUT SHOWN, DETAIL OF SUCH DEPARTURE FROM PLAN AND REASON THEREOF SHALL BE SUBMITTED TO THE OWNER OR HIS DULY AUTHORIZED REPRESENTATIVE AND NO DEPARTURE SHALL BE MADE WITHOUT PRIOR WRITTEN APPROVAL OF THE AUTHORITIES CONCERNED.

3 LEGEND AND SYMBOL

LIGHTING LEGEND	
	15W LED DOWNLIGHT, RECESSED TYPE
	32W LED DOWNLIGHT, RECESSED TYPE, MIRRORIZED REFLECTOR
	12W/METER LED STRIP LIGHTS, RECESSED TYPE
	15W, 2" LED DOWNLIGHT, RECESSED TYPE
	3x10W LED MAGNETIC TRACK LIGHT, SURFACE MOUNTED
	1 GANG SINGLE POLE SINGLE THROW SWITCH, 15A, 230V, 60Hz
	2 GANG SINGLE POLE SINGLE THROW SWITCH, 15A, 230V, 60Hz
	3 GANG SINGLE POLE SINGLE THROW SWITCH, 15A, 230V, 60Hz
	TAPPING POINT FOR LED STRIP/CONCEALED LIGHTING

POWER LEGEND	
	DUPLEX RECEPTACLE, 10A, 250V, PARALLEL BLADE GROUNDING SLOT
	SIMPLEX RECEPTACLE, 10A, 250V, SPECIAL PURPOSE OUTLET PROVIDED FOR ACU
	PANELBOARD
	MOLDED CASE CIRCUIT BREAKER
	MANUAL TRANSFER SWITCH
	SERVICE ENTRANCE
	SERVICE KWH-METER
	CIRCUIT NUMBER PPI - PANEL NAME 1 - CIRCUIT NUMBER
	CONDUIT EMBEDDED IN CONCRETE
	CONDUIT IN EXPOSED INSTALLATION OR ABOVE CEILING
	CONDUIT IN UNDERGROUND INSTALLATION



Department of Public Works and Highways
REGIONAL OFFICE No. VI
NORTHERN SAMAR FIRST
DISTRICT ENGINEERING OFFICE
Calbayog, Northern Samar

PROJECT NAME & LOCATION
**CONSTRUCTION OF MULTIPURPOSE BUILDING,
CAPUL, NORTHERN SAMAR**
Capul, Northern Samar

SHEET CONTENT
ELECTRICAL SINGLE LINE AND RISER
DIAGRAMS OF LOAD
GENERAL NOTES
LEGEND AND SYMBOL

DRAFTED
E. VERA, E. OCAMPO
ELECTRICAL ENGINEER
DESIGNED
MARCO P. L. CORONADO
ELECTRICAL ENGINEER

REVIEWED
MARCO P. L. CORONADO
ELECTRICAL ENGINEER
CHECKED
MARCO P. L. CORONADO
ELECTRICAL ENGINEER

SUBMITTED
MARCO P. L. CORONADO
ELECTRICAL ENGINEER
APPROVED
MARCO P. L. CORONADO
ELECTRICAL ENGINEER

RECOMMENDED
MARCO P. L. CORONADO
ELECTRICAL ENGINEER
APPROVED
MARCO P. L. CORONADO
ELECTRICAL ENGINEER

APPROVED
ALVIN A. IGNACIO
ELECTRICAL ENGINEER
APPROVED
ALVIN A. IGNACIO
ELECTRICAL ENGINEER

SFT No
EE-4
04/05
SHEET No
23
32

GENERAL NOTES :

1. ALL PLUMBING WORKS TO BE DONE AND SIZES OF PIPES TO BE USED SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL PLUMBING CODE OF THE PHILIPPINES AND LOCAL REGULATIONS AND ORDINANCES.
2. ALL PIPES SHALL BE INSTALLED AS INDICATED IN THE WORKING DRAWINGS. ANY RELOCATION REQUIRED FOR PROPER EXECUTION OF OTHER TRADES SHALL BE UPON THE APPROVAL OF THE SANITARY ENGINEER.
3. WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALE DIMENSIONS.
4. ALL PIPES SHALL BE PROVIDED APPROPRIATE HANGER AND SUPPORT.
5. ALL FIXTURES SHALL BE VENTED INDIVIDUALLY AND WATERLINES SHALL BE VALVED BY SHUT-
OFF UNLESS OTHERWISE SPECIFIED. ALL PLUMBING FIXTURES SHALL BE PROPERLY VENTED. MAXIMUM DISTANCE OF VENTILATION FROM FIXTURES SHALL BE 1.50 m MAXIMUM ALONG THE LENGTH OF PIPE.
6. ALL PLUMBING FITTINGS SHALL BE ACCESSIBLE FOR MAINTENANCE. PROVIDE MANHOLE IF SUCH INSTALLATIONS ARE INSIDE THE BUILDING.
7. ALL CHANGES IN DIRECTIONS SHALL BE MADE BY THE APPROPRIATE USE OF FORTY FIVE (45) DEGREE SWEEP OR QUARTER BEND. ONE EIGHT (1/8) INCH CHANGE OF FLOW IS FROM HORIZONTAL TO VERTICAL. A SINGLE BEND COMBINATION MAY BE USED ONLY ON VENT PIPE.
8. NO DOUBLE HUB OR DOUBLE TEE BRANCH SHALL BE USED ON HORIZONTAL SOIL OR WASTE LINES.
9. PROVIDE PIPE SLEEVES AT WALL. COLUMNS OR SLAB TO PROTECT FROM BREAKAGE.
10. ALL EXPOSED PIPING AND FITTINGS IN THE AREA SHALL BE PROTECTED BY PLATE.
11. THE BRAND AND OTHER DETAILS OF PLUMBING FIXTURES SHALL BE IN ACCORDANCE WITH THE SCHEDULE FURNISHED BY THE ARCHITECT.
12. GATE VALVE SHALL BE BRONZE BODY, SOLID WEDGE TYPE, SCREWED OR FLANGE END.
13. USE POLYPROPYLENE RANDOM TYPE (PPRD) FOR ALL WATER PIPING SYSTEM.
14. USE UPVC SANITARY PIPING SYSTEM SERIES 100 FOR 100.
15. ENGINEER-IN-CHARGE TO VERIFY ACTUAL LOCATION AND ELEVATION OF STREET DRAINAGE, STREET SEWER AND STREET WATER MAINS FOR CONNECTION BEFORE CONSTRUCTION.

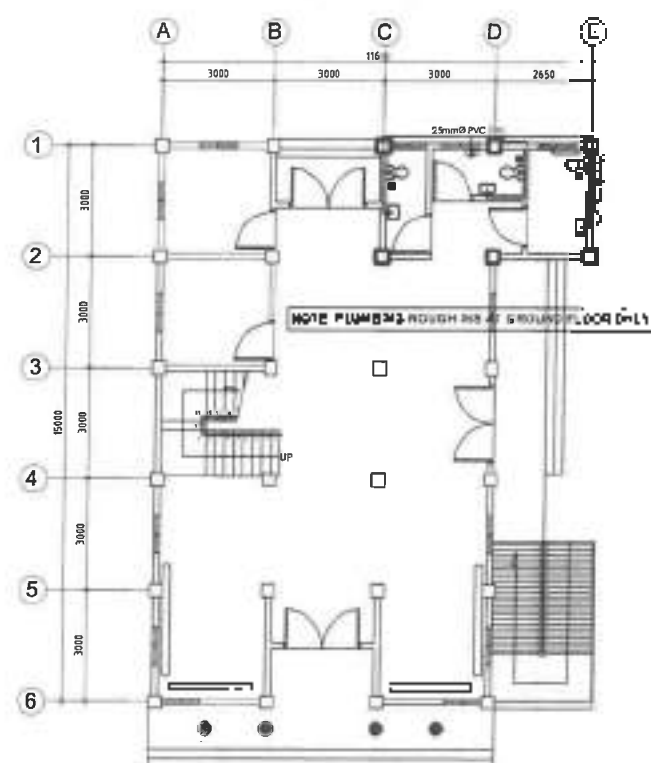
LEGEND:

WATER DISTRIBUTION SYSTEM		
	WL	WATERLINE
	GV	GATE VALVE
	CV	CHECK VALVE
	WM	WATER METER
WASTE, SEWER & VENT SYSTEM		
	SL	SANITARY LINE
	VL	VENT LINE
	FCO	FLOOR CLEAN-OUT
	FD	SHOW/HIDE DOOR DRAIN
	VS	VENT STACK
	SS	SOIL STACK
	VAC	VENT ACROSS CEILING
	VP	VENT PIPE
	PVC	POLYVINYL CHLORIDE
	WP	WET PIPE
	SP	SOIL PIPE
	VTR	VENT THIRD ROOF
	ST	SEPTIC TANK
	AC	AIRTIGHT CHAMBER
WASTE, SEWER & VENT SYSTEM		
	DL	DRAINAGE LINE
	DS	DOWNSPOUT
	CB	CATCH BASIN
	RD	ROOF DRAIN
PLUMBING FIXTURES		
	LAV	LAVATORY
	WC	WATER CLOSET
	EWT	ELEVATED WATER TANK

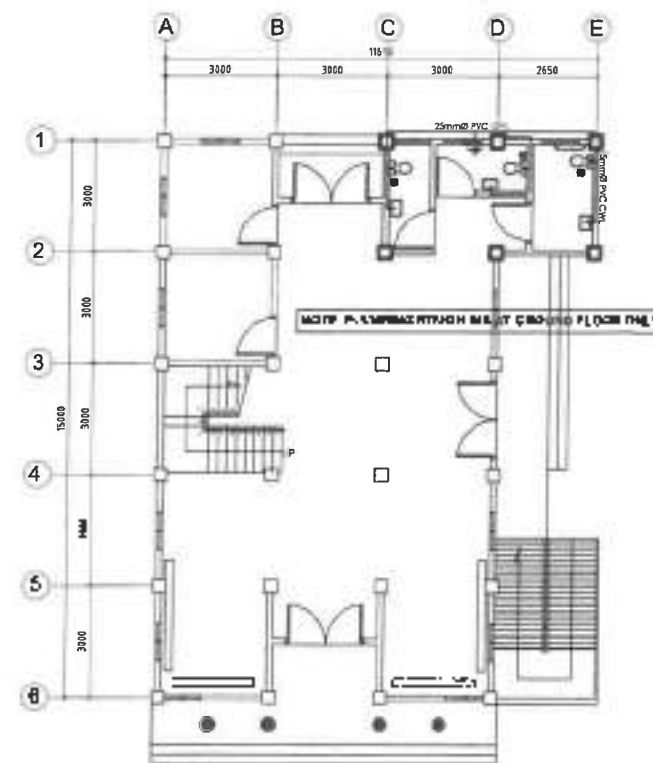
 DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGIONAL OFFICE No. VII NORTHERN SAMAR FIRST DISTRICT ENGINEERING OFFICE CHIEF ENGINEER: HENRY M. LACOR	PROJECT NAME & LOCATION CONSTRUCTION OF MULTIPURPOSE BUILDING, CAPUL, NORTHERN SAMAR	SHEET CONTENTS SITE DEVELOPMENT PLAN (SERVICE LAYOUT) SANITARY SYSTEM LAYOUT	DRAFTED: ARTURO P. BARRERA JR. PLUMBER	DESIGNED: RICHARD O. BARRERA CHIEF PLUMBER & DESIGNER	REVIEWER: SUBMITTED: ANDY S. FERRER CHIEF PLUMBER & DESIGNER	RECOMMENDED: VIVIAN M. BARRERA CHIEF PLUMBER & DESIGNER	APPROVED: ALVIN A. IGNACIO DISTRICT ENGINEER	SET No. P-1 01/05	SHEET No. 25 32
	Date: _____								

LEGEND:

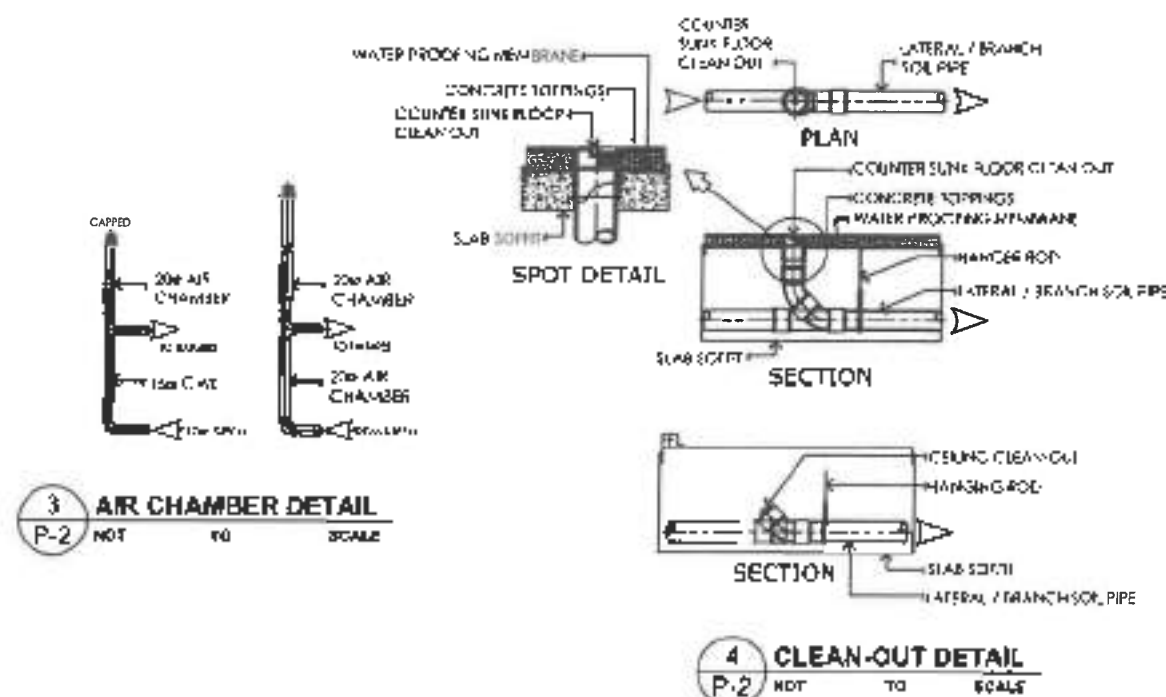
F	FAUCET
LAV	LAVATORY
FI	FLUSH
CV	CHECK VALVE
GV	GATE VALVE
FD	FLOOR DRAIN
KS	KITCHEN SINK
J	JUNCTION
FIL	SWITCH
WC	WATER CLOSET
CD	CLEAN OUT
VS	VEN. STACK
TH	GOING UP
CD	GOING DOWN



1
GROUND FLOOR
WATER LINE LAYOUT PLAN
SCALE: 1:1000



2
SECOND FLOOR
WATER LINE LAYOUT PLAN
SCALE: 1:1000



3
AIR CHAMBER DETAIL
NOT TO SCALE

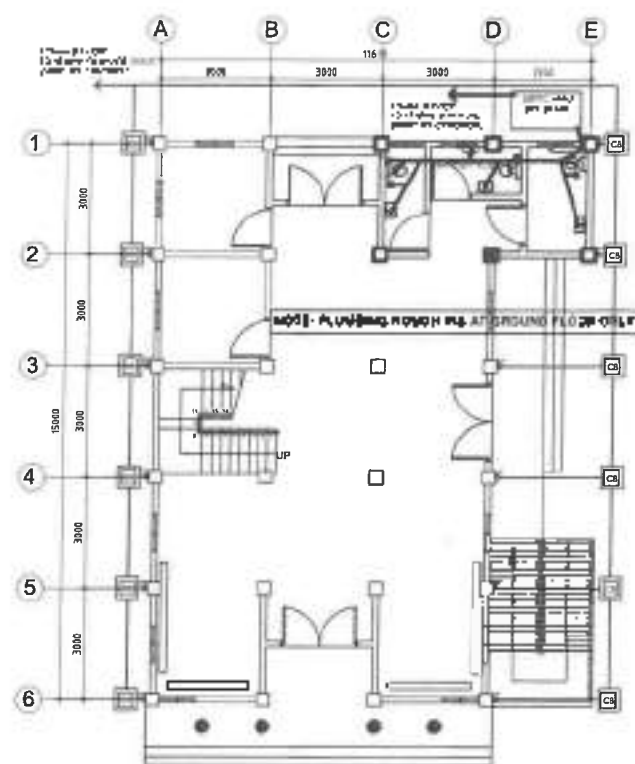
4
CLEAN-OUT DETAIL
NOT TO SCALE



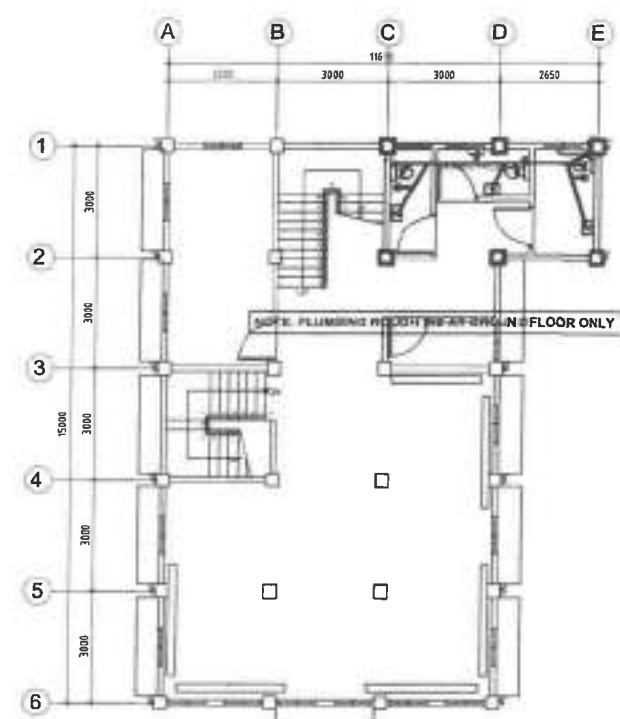
Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGIONAL OFFICE NO. 1
NORTHERN SAMAR FIRST
DISTRICT ENGINEERING OFFICE
Cagayan, Marikina City

PROJECT NAME & LOCATION	SHEET CONTENTS	DRAWN	DESIGNED	REVIEWED/SUBMITTED	RECOMMENDED	APPROVED	SET NO.	SHEET NO.
CONSTRUCTION OF MULTIPURPOSE BUILDING, CAPUL, NORTHERN SAMAR	GROUND FLOOR WATER LINE LAYOUT PLAN SECOND FLOOR WATER LINE LAYOUT PLAN AIR CHAMBER DETAIL CLEAN-OUT DETAIL	<i>ALVIN A. IGNACIO</i> ALVIN A. IGNACIO DRAWING	<i>ALVIN A. IGNACIO</i> ALVIN A. IGNACIO DESIGN	<i>ALVIN A. IGNACIO</i> ALVIN A. IGNACIO CHECK	<i>ALVIN A. IGNACIO</i> ALVIN A. IGNACIO REVIEW	<i>ALVIN A. IGNACIO</i> ALVIN A. IGNACIO APPROVE	P-2 02/05	26 32

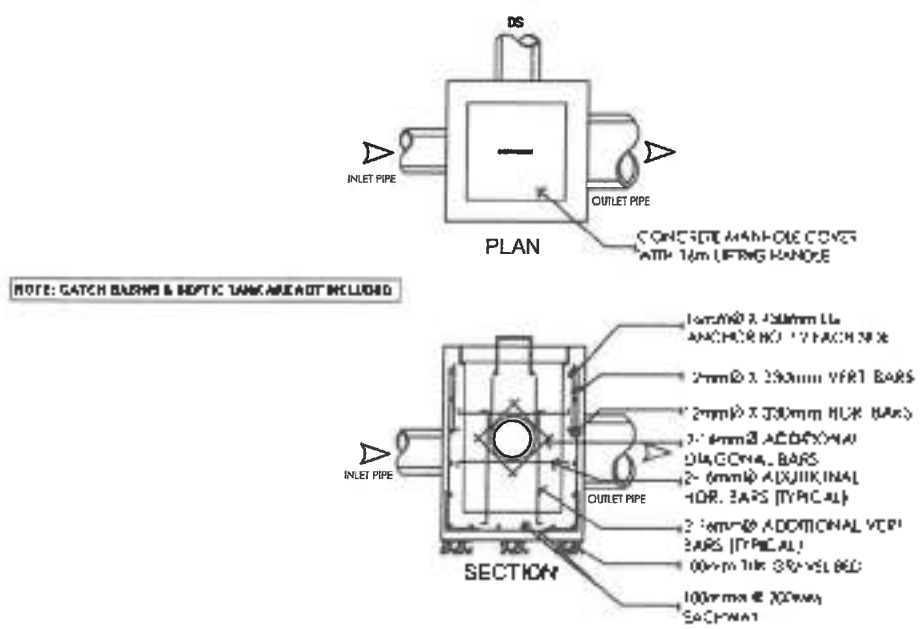
LEGEND:	
F	FLOOR
LAV	LAVATORY
R	RUIN
LV	CHECK VALVE
GV	GATE VALVE
LD	FLOOR DRAIN
LS	BLOCK SIGN
U	UNIT
PI	PIPE
WC	WATER CLOSET
CU	CLEAN OUT
VS	VENT STACK
DU	DRAIN
GD	GROUND



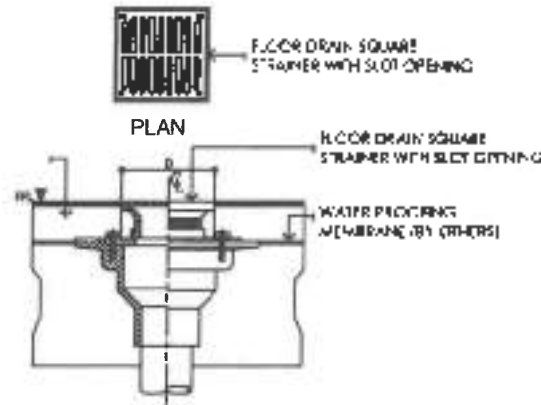
1 GROUND FLOOR SEWER LINE LAYOUT PLAN
P-3 SCALE: 1:1000



2 SECOND FLOOR SEWER LINE LAYOUT PLAN
P-3 SCALE: 1:1000



3 CATCH BASIN DETAIL
P-3 NOT TO SCALE



4 FLOOR DRAIN DETAIL
P-3 NOT TO SCALE

SCHEDULE OF DIMENSIONS

ITEM	DESCRIPTION	QTY	UNIT
1	100mm x 100mm LL ANCHOR BOLT	2	EA
2	2mm x 120mm VERT BARS	225.42	M
3	2mm x 120mm HORIZ BARS	225.42	M
4	3mm x 120mm DIAGONAL BARS	225.42	M
5	2mm x 120mm HORIZ BARS (TYPICAL)	225.42	M
6	2mm x 120mm VERT BARS (TYPICAL)	225.42	M
7	100mm x 100mm GROUND BED	1.00	EA
8	100mm x 100mm SLOPEWAY	1.00	EA



1.454



1:15



1:10PM



1403