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 POLICE STATION IN SAN VICENTE, NORTHERN SAMAR

SAN VICENTE, NORTHERN SAMAR

LATITUDE: 12.272963
LONGITUDE: 124.097288

SUBMITTED:

ANDY S. BREÑO
CHIEF, PLANNING & DESIGN SECTION
Date

RECOMMENDED:

VIVIAN G. BIACO
ASST. DISTRICT ENGINEER
Date

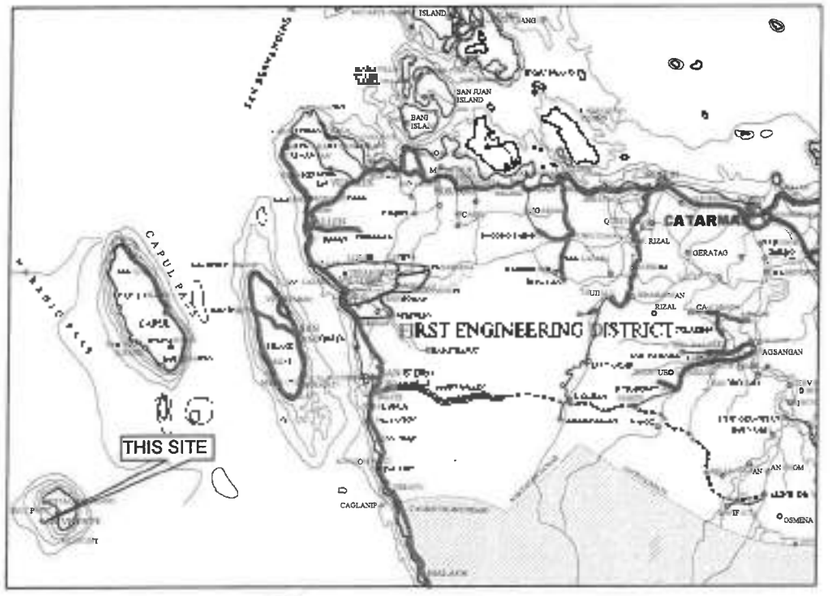
APPROVED:

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**			
803(1)a	Structure Excavation, Common Soil	cu.m.	315.40	
804(2)a	Embankment from Borrow (Common Soil)	cu.m.	117.79	
804(1)a	Embankment from Structure Excavation (Common Soil)	cu.m.	290.45	
804(5)	Boulder Fill	cu.m.	109.70	
804(7)	Gravel Fill	cu.m.	35.73	
PART D	**REINFORCED CONCRETE**			
900(2)c	Structural Concrete (Class B, 28 days)	cu.m	20.45	
900(1)i	Structural Concrete (Class A, 28 days)	cu.m	71.26	
900(1)c	Structural Concrete, 3000psi (Class A, 28 days)	cu.m	100.14	
902(1)a1	Reinforcing Steel (Deformed), Grade 40	kg	16,395.75	
902(1)a2	Reinforcing Steel (Deformed), Grade 60	kg	21,521.10	
903(2)	Formworks and Falseworks	sq.m	827.42	
	DIVISION II - BUILDINGS			
PART E	**FINISHING AND OTHER CIVIL WORKS**			
1000(1)	Soil Poisoning	L	5.00	
1001(8)	Sewer Line Works	l.s.	1.00	
1002(27)	Plumbing Works	l.s.	1.00	
1016(1)a	Waterproofing (Cement-base)	sq.m	136.87	
1027(1)	Cement Plaster Finish	sq.m	1,496.27	
1046(2)a1	CHB Non Load Bearing (including Reinforcing Steel), 100 mm	sq.m	201.00	
1046(2)a2	CHB Non Load Bearing (including Reinforcing Steel), 150 mm	sq.m	293.13	
PART F	**ELECTRICAL**			
1100(10)	Conduits, Boxes & Fittings (Conduit Works/Conduit Rough-in)	l.s.	1.00	

1 A-1 **PERSPECTIVE**
NOT TO SCALE



2 A-1 **LOCATION MAP**
NOT TO SCALE

3 A-1 **VICINITY MAP**
NOT TO SCALE

TABLE OF CONTENTS

S001 SUMMARY OF QUANTITIES

ARCHITECTURAL

A-1 PERSPECTIVE
LOCATION MAP
VICINITY MAP
TABLE OF CONTENT
A-2 SITE DEVELOPMENT PLAN
GEOTAGGED PHOTOGRAPHS
A-3 GROUND FLOOR PLAN
SECOND FLOOR PLAN
A-4 ROOF DECK FLOOR PLAN
ROOF PLAN
DETAIL SECTION OF CONCRETE GUTTER
A-5 RIGHT SIDE ELEVATION
LEFT SIDE ELEVATION
FRONT ELEVATION
REAR ELEVATION
A-6 LONGITUDINAL SECTION
CROSS SECTION
COMMON TOILET & BATHROOM PLAN @ 1ST FLOOR
COMMON TOILET & BATHROOM PLAN @ 2ND FLOOR
A-7 SCHEDULE OF DOORS & WINDOWS
BAY SECTION & MOULDING DETAILS
DETAIL OF SERVICE CABINET
DETAIL OF MANHOLE COVER PLATE
A-8 DETAIL OF STEEL SECURITY GRILLS
COMBAT HOLES DETAIL @ ROOFDECK LEVEL
DETAIL OF WALL PARTITION FOR HOLDING AREA
@ GROUND FLOOR
COLUMN CASING DETAILS
LADDER RUNG ELEVATION
TYPICAL GRAB BAR LADDER RUNG DETAIL
DETAIL OF CUSTODIAL DETENTION CELL
A-9 DETAILED CROSS SECTION
A-10 DETAILED CROSS SECTION
A-11 DETAILED CROSS SECTION

STRUCTURAL

S-1 GENERAL NOTES
S-2 FOUNDATION PLAN
WALL FOOTING DETAIL
DETAIL OF RIP RAP
SCHEDULE OF FOOTINGS
S-3 SCHEDULE OF COLUMN
COLUMN ELEVATION
S-4 GROUND FLOOR FRAMING PLAN
ROOFDECK FRAMING PLAN
ROOF BEAM PLAN
SCHEDULE OF BEAMS
TYPICAL SLAB BAR DETAILS
CHAMFER & RIB ELEVATION
TYPICAL DETAIL OF BEAM
TYPICAL DETAIL OF BEAM OPENING (UNHAMPER)
S-5 BEAM SCHEDULE
TYPICAL BEAM ELEVATION DETAILS
S-6 ROOF FRAMING PLAN
ARCHITECTURAL WATER FOUNTAIN
DETAIL SECTION OF CONCRETE GUTTER
TRUSS GUTTER ELEVATION
S-7 SUSPENDED SLAB CONSTRUCTION JOINT DETAIL
CHB WALL ELEVATION & TYPICAL LINTEL BEAM DETAIL
CHB PLAN AT CORNER & BATHROOM DETAIL
DETAIL OF PRECAST CONCRETE WALL
TYPICAL CONSTRUCTION JOINTS
CONSTRUCTION JOINT DETAIL
CHB WALL INTERSECTION
BATH FLOOR BEAMS
CHANGE IN BEAM ELEVATION
CHB WALL SECTION
LINTEL BEAM SCHEDULE
DETAIL AT DOOR OPENING
DOWEL DETAIL TO PATCH
CHB WALL TO R.C. BEAM
S-8 STAIR PLAN
UNDER STAIR @ GROUND ENTRY
STAIR DETAIL
STAIR ELEVATION
STAIR DETAIL
TYPICAL HANDRAIL DETAIL
RAMP DETAIL

ELECTRICAL

E-1 SITE DEVELOPMENT PLAN
E-2 GENERAL NOTES
LEGENDS
SERVICE POLE DETAIL
SERVICE ENTRANCE DETAIL
E-3 SINGLE LINE DIAGRAM
SCHEDULES OF LOADS
E-4 GROUND FLOOR LIGHTING LAYOUT
SECOND FLOOR LIGHTING LAYOUT
ROOFDECK FLOOR LIGHTING LAYOUT
GROUND FLOOR POWER LAYOUT
SECOND FLOOR POWER LAYOUT
ROOFDECK FLOOR POWER LAYOUT
E-5 GROUND FLOOR ADU LAYOUT
SECOND FLOOR ADU LAYOUT
GROUND FLOOR TELECOMMUNICATION LAYOUT
SECOND FLOOR TELECOMMUNICATION LAYOUT
ROOFDECK FLOOR TELECOMMUNICATION LAYOUT

PLUMBING

P-1 SITE DEVELOPMENT PLAN
P-2 SEPTIC TANK DETAILS
CATCHBASIN DETAILS
GENERAL PLUMBING NOTES
LEGENDS
P-3 WATER LINE LAYOUT
P-4 DRAINAGE LAYOUT
P-5 SANITARY LAYOUT

BUILDING SIGNAGES

FBS1 BARRICADE AND SIGNAGES
FBS2 OPAW STANDARD PROJECT BILLBOARD
FBS3 DPWH STANDARD PROJECT BILLBOARD

Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS

APPROVED DATE

LAND USE AND ZONING

APPROVED DATE

LINE AND GRADE

APPROVED DATE

ARCHITECTURAL

APPROVED DATE

SANITARY

APPROVED DATE

STRUCTURAL

APPROVED DATE

ELECTRICAL

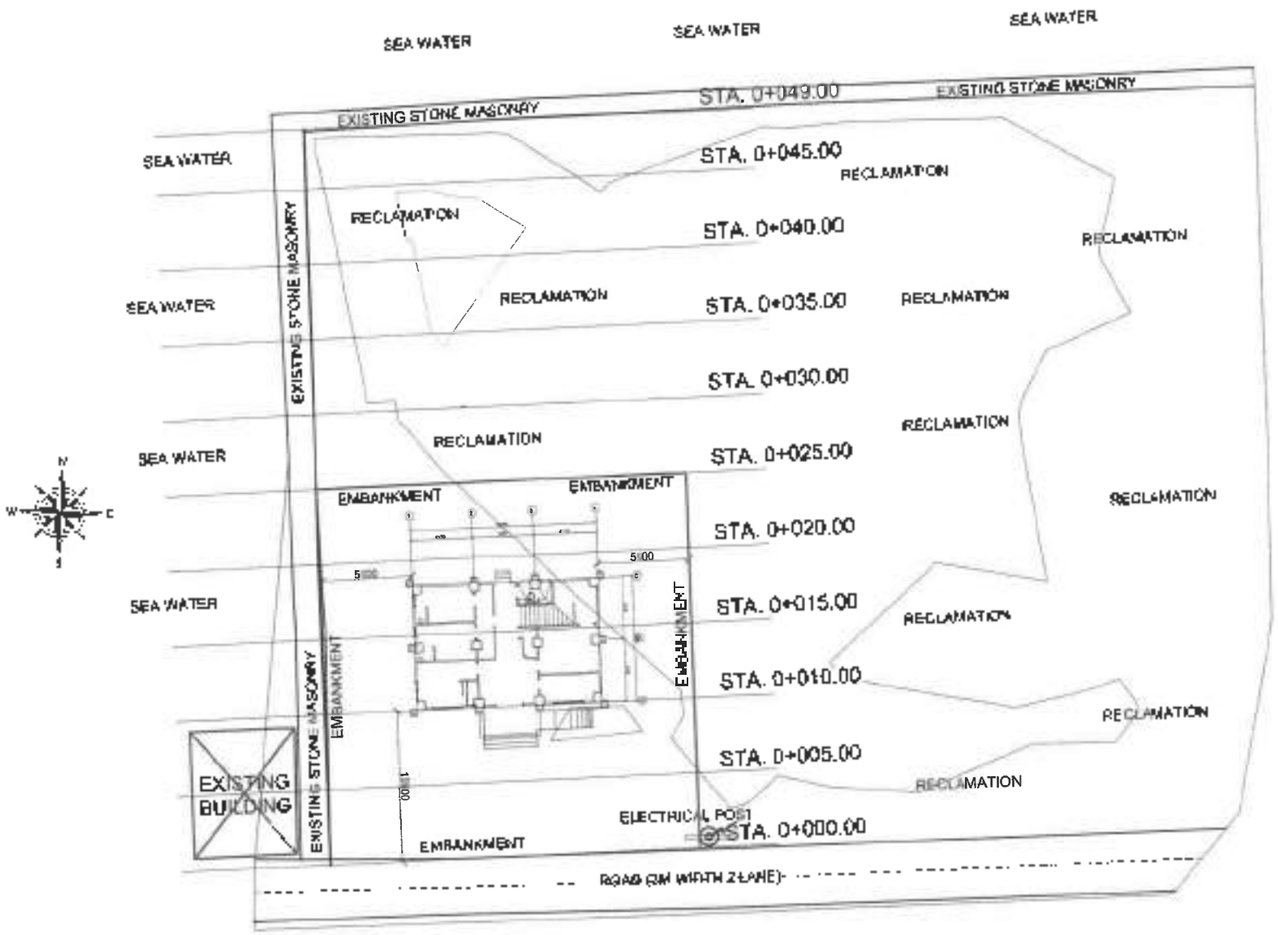
APPROVED DATE

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

PROJECT NAME & LOCATION	SHEET CONTENTS
CONSTRUCTION OF POLICE STATION IN SAN VICENTE, NORTHERN SAMAR San Vicente, Northern Samar	PERSPECTIVE VIEW TABLE OF CONTENTS LOCATION MAP VICINITY PLAN

DRAFTED: ALVIN B. OSTIA
DESIGNED:
REVIEWED: LUIS DONALD N. JUMAN
SUBMITTED: ANDY S. ERENO
RECOMMENDED: ERWIN M. BUCO
APPROVED: ALVIN A. IGNACIO

SET No. A-1 / 11
SHEET No. 2 / 34



1 / A-2 **SITE DEVELOPMENT PLAN**

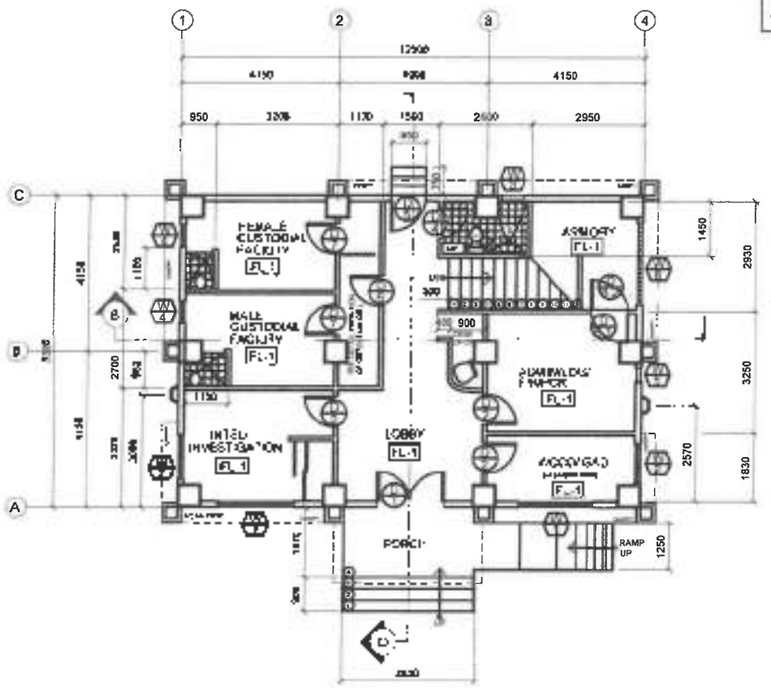
2 / A-2 **GEOTAGGED PHOTOGRAPH**
NOT TO SCALE

Republic of the Philippines DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGIONAL OFFICE No. VIII NORTHERN SAMAR FIRST DISTRICT ENGINEERING OFFICE Catarman, Northern Samar	PROJECT NAME & LOCATION CONSTRUCTION OF POLICE STATION IN SAN VICENTE, NORTHERN SAMAR San Vicente, Northern Samar	SHEET CONTENTS SITE DEVELOPMENT PLAN GEOTAGGED PHOTOGRAPHS	DRAFTED RICHARD B. CATIM Draftsman DESIGNED ERIC BRYAN P. RICHARDO	REVIEWED MAR DONALD R. BAJAN Asst. Chief, Planning & Construction Date	SUBMITTED ANDY S. BRIÑO Chief, Planning & Construction Date	RECOMMENDED VIVIAN A. BUACO Asst. District Engineer	APPROVED: ALVIN A. IGNACIO District Engineer	REF NO. A-2 11	SHEET NO. 4 34

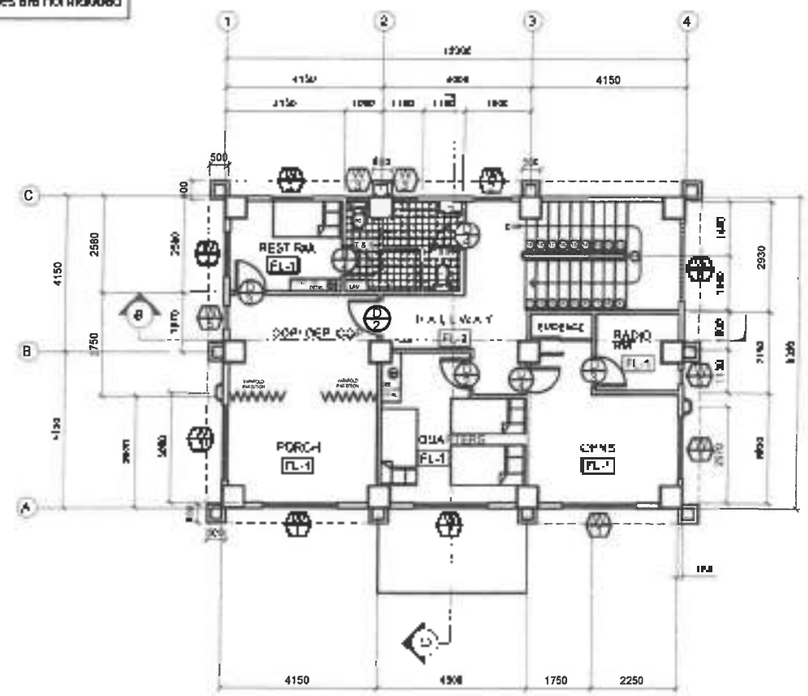
Door Finish	Description
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]

Floor Finish	Description
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]

Note:
1. Finishing Works, Doors & Windows are not included
2. Railings and Ladder ring for fire exit are not included
3. Toilet & Bath Fixtures and Trays are not included
4. Works are limited to CHB wall w/cement plaster only at first floor and second floor
5. Gutter, Parapet, Roofing and Steel Frames are not included



1 A-3 **GROUND FLOOR PLAN**
SCALE 1:100



2 A-3 **SECOND FLOOR PLAN**
SCALE 1:100

LEGEND:

@ 8" CHB MASONRY WALL

@ 4" CHB MASONRY WALL

Republic of the Philippines DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGIONAL OFFICE No. VIII NORTHERN SAMAR FIRST DISTRICT ENGINEERING OFFICE Catarman, Northern Samar	PROJECT NAME & LOCATION: CONSTRUCTION OF POLICE STATION IN SAN VICENTE, NORTHERN SAMAR San Vicente, Northern Samar	SHEET CONTENTS: GROUND FLOOR PLAN SECOND FLOOR PLAN	DRAFTED: [illegible] DESIGNED: BURT [illegible] LUCHARIO Architect	REVIEWED [illegible] ASST. CHIEF PLANNING & DESIGN FACILITIES Date	NOTED: ANDY S. ERESO CHIEF, PLANNING & DESIGN FACILITIES Date	RECOMMENDED [illegible] [illegible] ENGINEER Date	APPROVED ALVIN A. IGNACIO DISTRICT ENGINEER	SET No. A-3 / 11	SHEET No. 5 / 34

Note: Hatch area are not included
1. Finishing Works, Doors & Windows are not included
2. Railings and Ladder rung for fire exit are not included
3. Toilet & Bath Fixtures and Tiles are not included
4. Works are limited to CHB wall w/ cement plaster only at first floor and second floor
5. Gutter, Parapet, Roofing and Steel Frames are not included

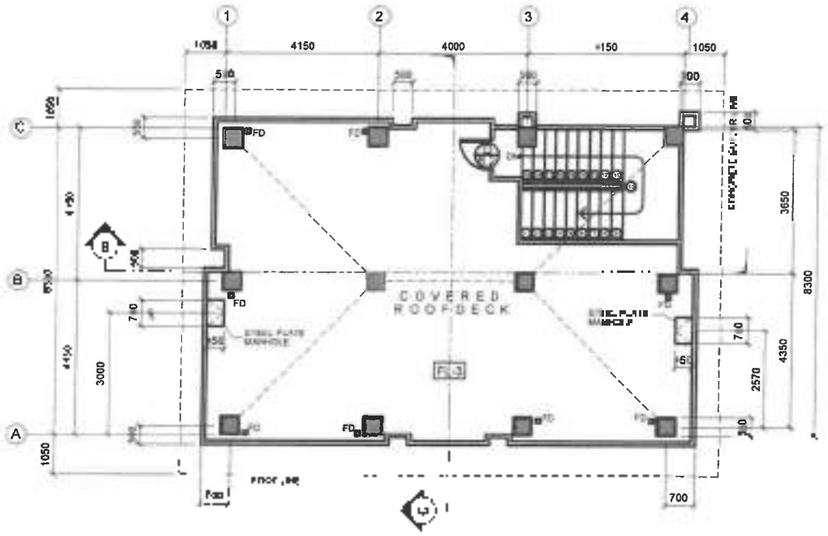
Wall Finish	Description
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]

Floor Finish	Description
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]

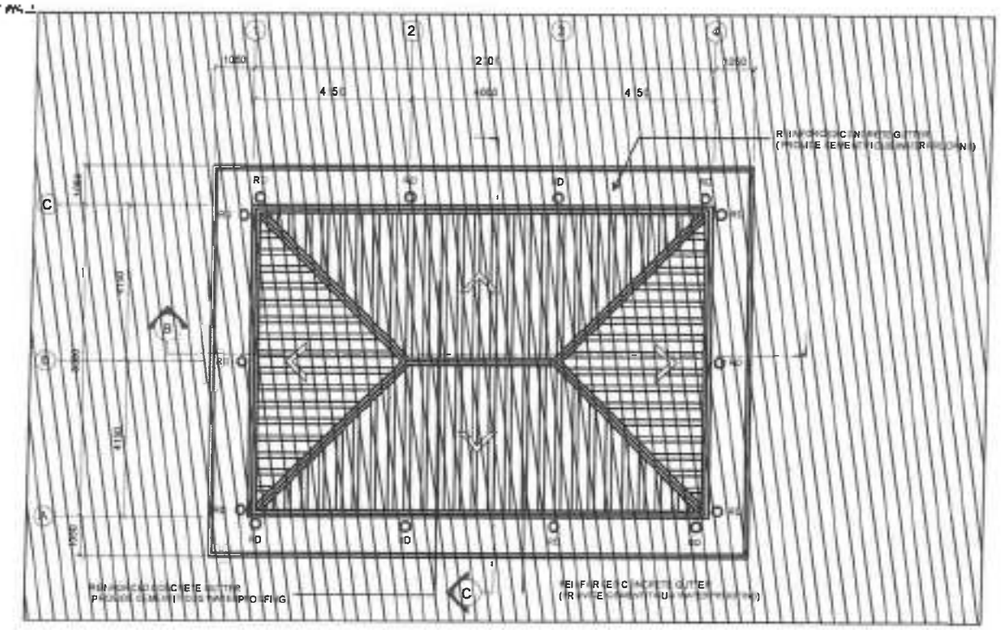
LEGEND:

4" CHB MASONRY WALL

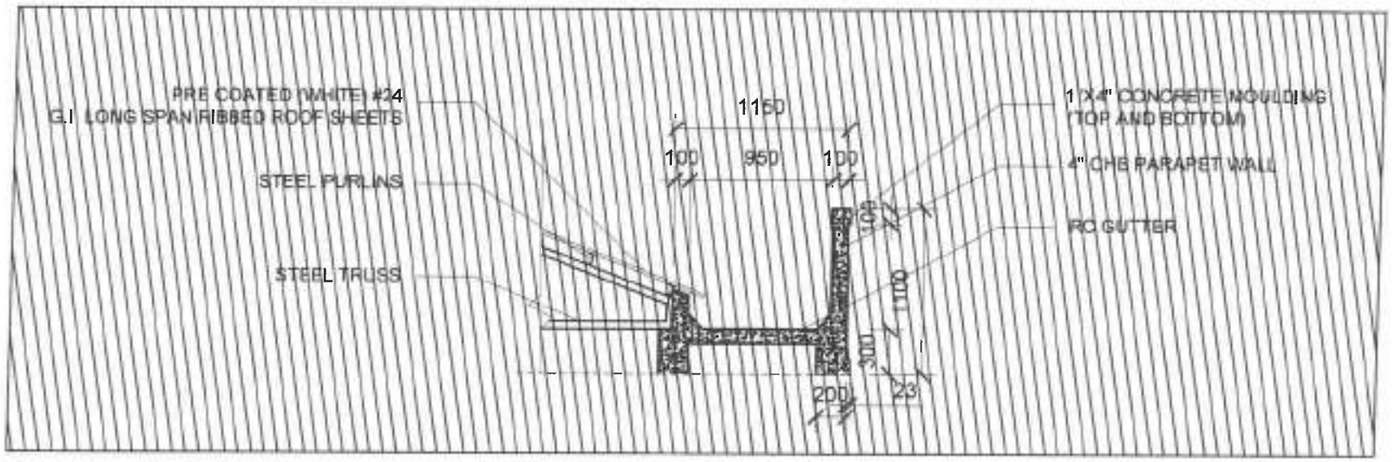
6" CHB MASONRY WALL



1 A-4 **ROOFDECK FLOOR PLAN**
SCALE 1:50



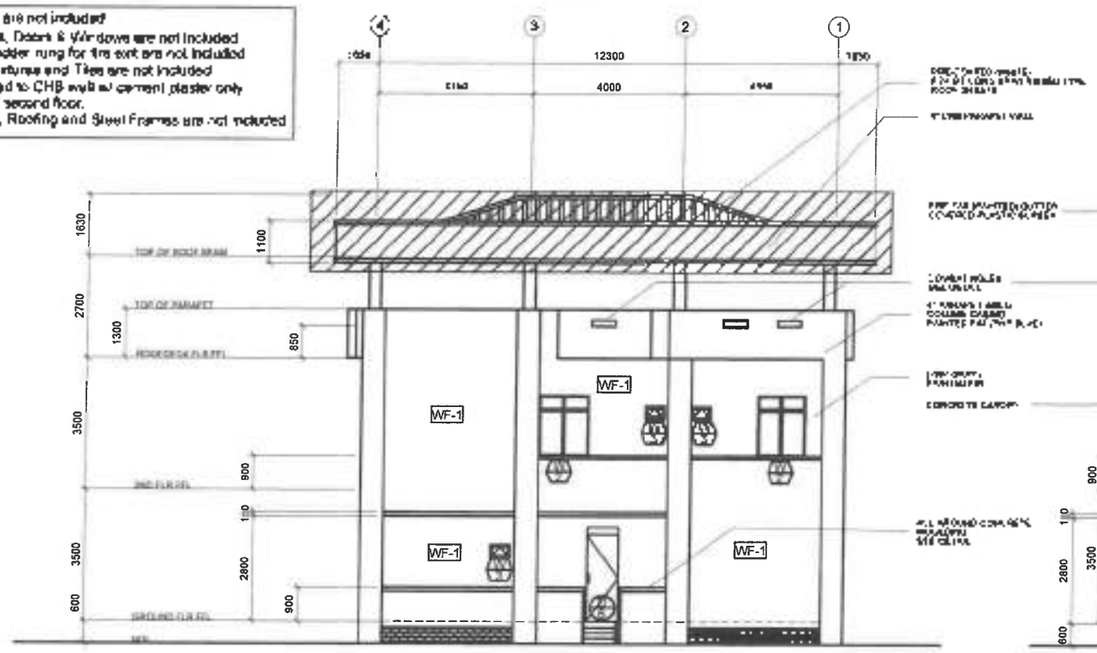
2 A-4 **ROOF PLAN**
SCALE 1:50



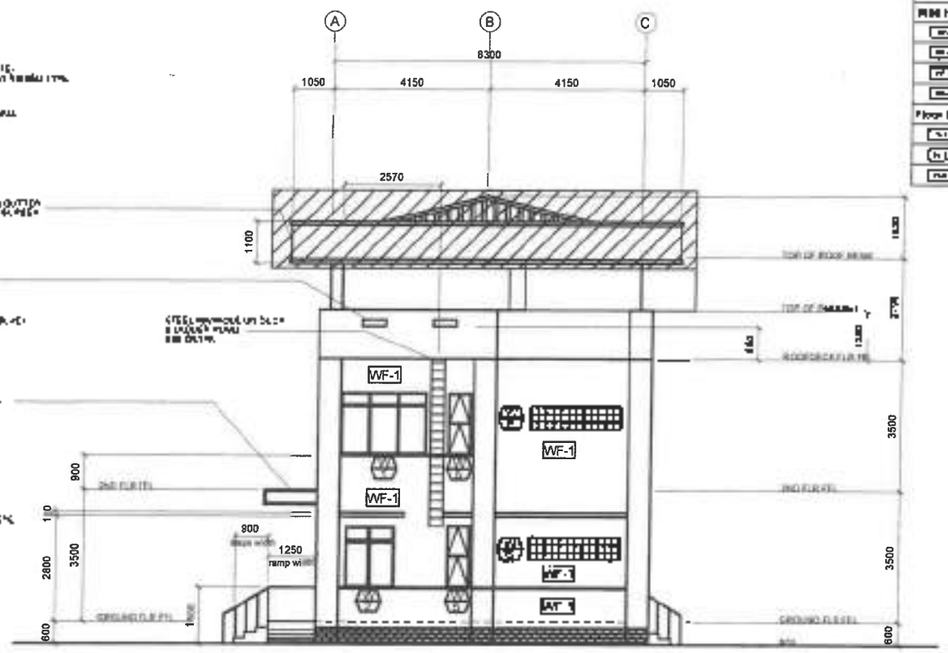
3 A-4 **DETAIL SECTION OF CONCREE GUTTER**
SCALE 1:20

Republic of the Philippines DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGIONAL OFFICE No. VIII NORTHERN SAMAR FIRST DISTRICT ENGINEERING OFFICE Catarman, Northern Samar	PROJECT NAME & LOCATION: CONSTRUCTION OF POLICE STATION IN SAN VICENTE, NORTHERN SAMAR San Vicente, Northern Samar	SHEET CONTENTS: ROOFDECK FLOOR PLAN ROOF PLAN DETAIL SECTION OF CONCREE GUTTER	DRAFTED: BRYAN B. OSTIA ENGINEER I DESIGNED: [illegible]	REVIEWED: MAR DONALD H. CUAN Chief, Public Building Design Section	SUBMITTED: ANDY S. BRIONO Chief, Planning & Design Section	RECOMMENDED: VIVIAN B. BIBIAGO Assistant District Engineer	APPROVED: ALVIN A. IGNACIO District Engineer	SET No. A-4 11	SHEET No. 6 34

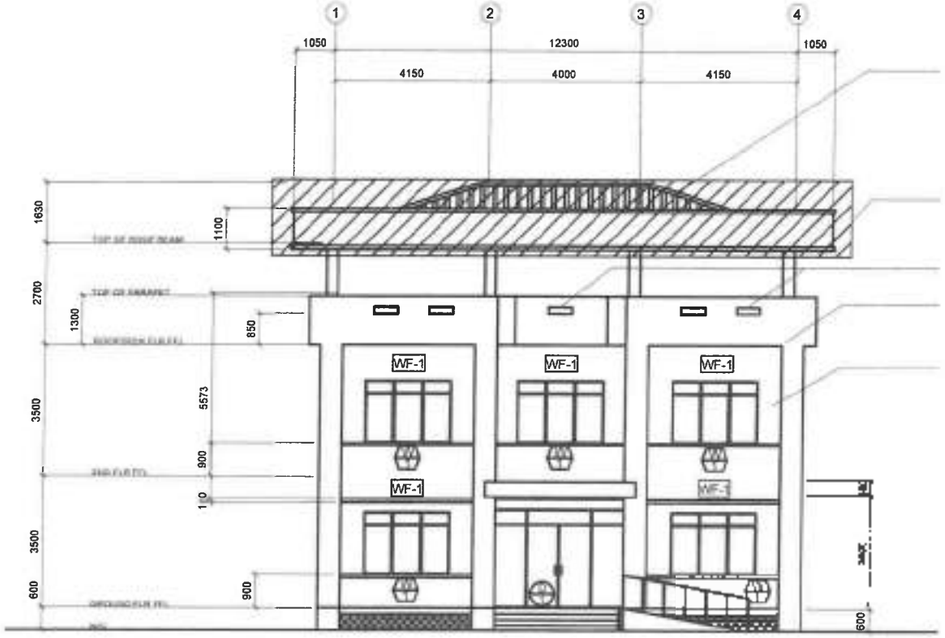
Note: Hatch area are not included
1. Finishing Works, Doors & Windows are not included
2. Railings and Ladder ring for fire exit are not included
3. Toilet & Bath Fixtures and Tiles are not included
4. Works are limited to CHB wall w/ cement plaster only at first floor and second floor.
5. Gutter, Parapet, Roofing and Steel Frames are not included



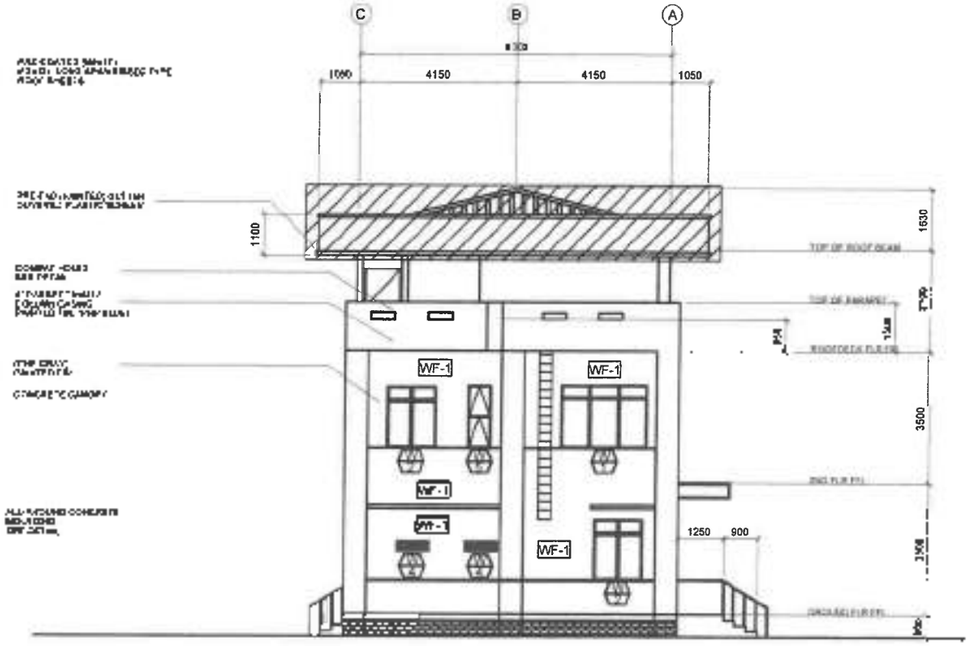
1 A-5 **REAR ELEVATION**
SCALE 1:80



2 A-5 **RIGHT-SIDE ELEVATION**
SCALE 1:80



3 A-5 **FRONT ELEVATION**
SCALE 1:80



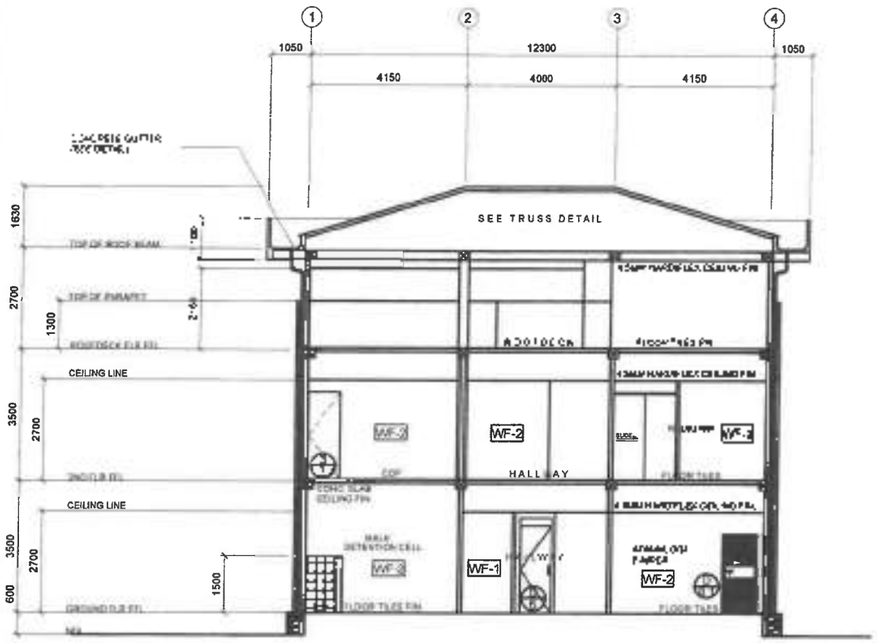
4 A-5 **LEFT-SIDE ELEVATION**
SCALE 1:80

Schedule of Finishes	
Wall Finish	Description
WF-1	[illegible]
WF-2	[illegible]
WF-3	[illegible]
WF-4	[illegible]
Floor Finish	Description
FL-1	[illegible]
FL-2	[illegible]
FL-3	[illegible]

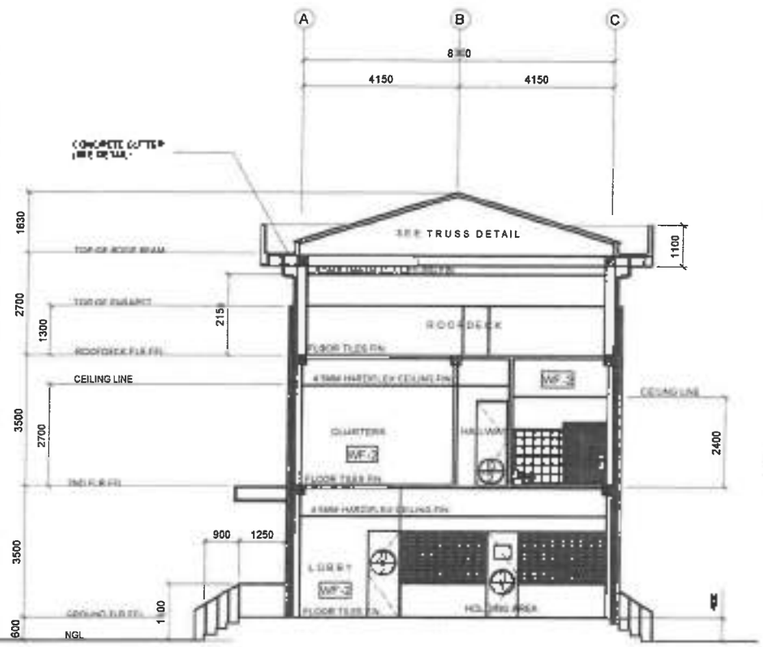
Republic of the Philippines DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS Region [illegible] NORTHERN SAMAR FIRST DISTRICT ENGINEERING OFFICE Catarman, Northern Samar	PROJECT NAME & LOCATION: CONSTRUCTION OF POLICE STATION IN SAN VICENTE, NORTHERN SAMAR San Vicente, Northern Samar	SHEET CONTENTS: REAR ELEVATION RIGHT-SIDE ELEVATION FRONT ELEVATION LEFT-SIDE ELEVATION	DRAFTED: [illegible] DESIGNED: [illegible]	REVIEWED: [illegible] [illegible]	SUBMITTED: ANDY S. BRIÑO Chief, Planning & Design Section	RECOMMENDED: [illegible] Asst. District Engineer	APPROVED: ALVIN A. IGNACIO District Engineer

SET No. A-5 / 11

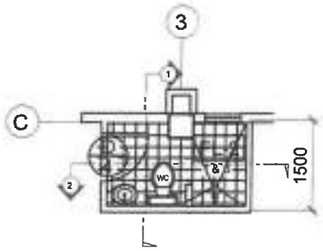
SHEET No. 7 / 34



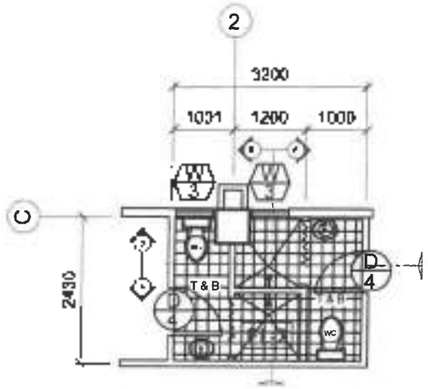
1 A-8 **LONGITUDINAL SECTION**
SCALE 1:80



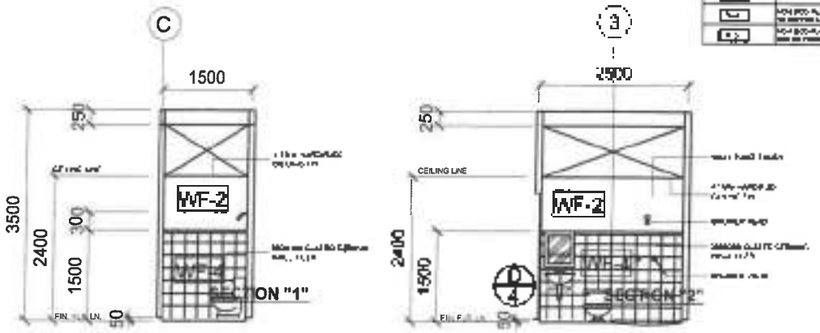
2 A-8 **CROSS SECTION**
SCALE 1:80

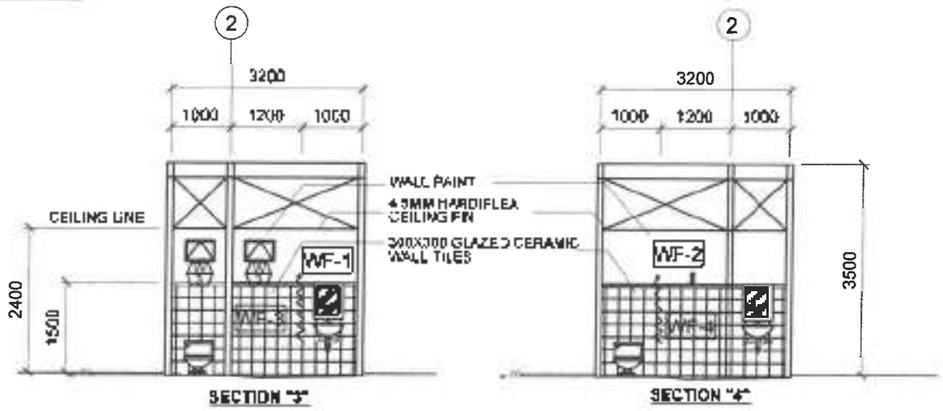


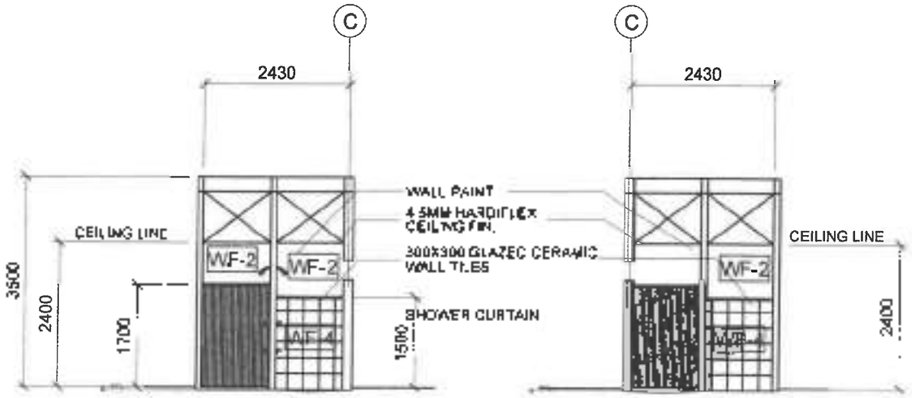
3 A-8 **COMMON TOILET & BATHROOM PLAN @ GROUND FLOOR**
SCALE 1:50



4 A-6 **COMMON TOILET & BATHROOM PLAN @ SECOND FLOOR**
SCALE 1:50







Note: Hatch area are not included
1. Finishing Works, Doors & Windows are not included
2. Railings and Ladder rung for fire exit are not included
3. Toilet & Bath Fixtures and Tiles are not included
4. Works are limited to CHB wall w/ cement plaster only at first floor and second floor.
5. Gutter, Parapet, Roofing and Steel Frames are not included

Schedule of Finishes	
Wall Finish	Description
WF-1	[illegible]
WF-2	[illegible]
WF-3	[illegible]
WF-4	[illegible]
Floor Finish	Description
FF-1	[illegible]
FF-2	[illegible]
FF-3	[illegible]

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

PROJECT NAME & LOCATION: CONSTRUCTION OF POLICE STATION IN SAN VICENTE, NORTHERN SAMAR
San Vicente, Northern Samar

SHEET CONTENTS: LONGITUDINAL SECTION, CROSS SECTION, COMMON TOILET & BATHROOM PLAN

DRAFTED: [illegible]
DESIGNED: [illegible] LUCHARIO

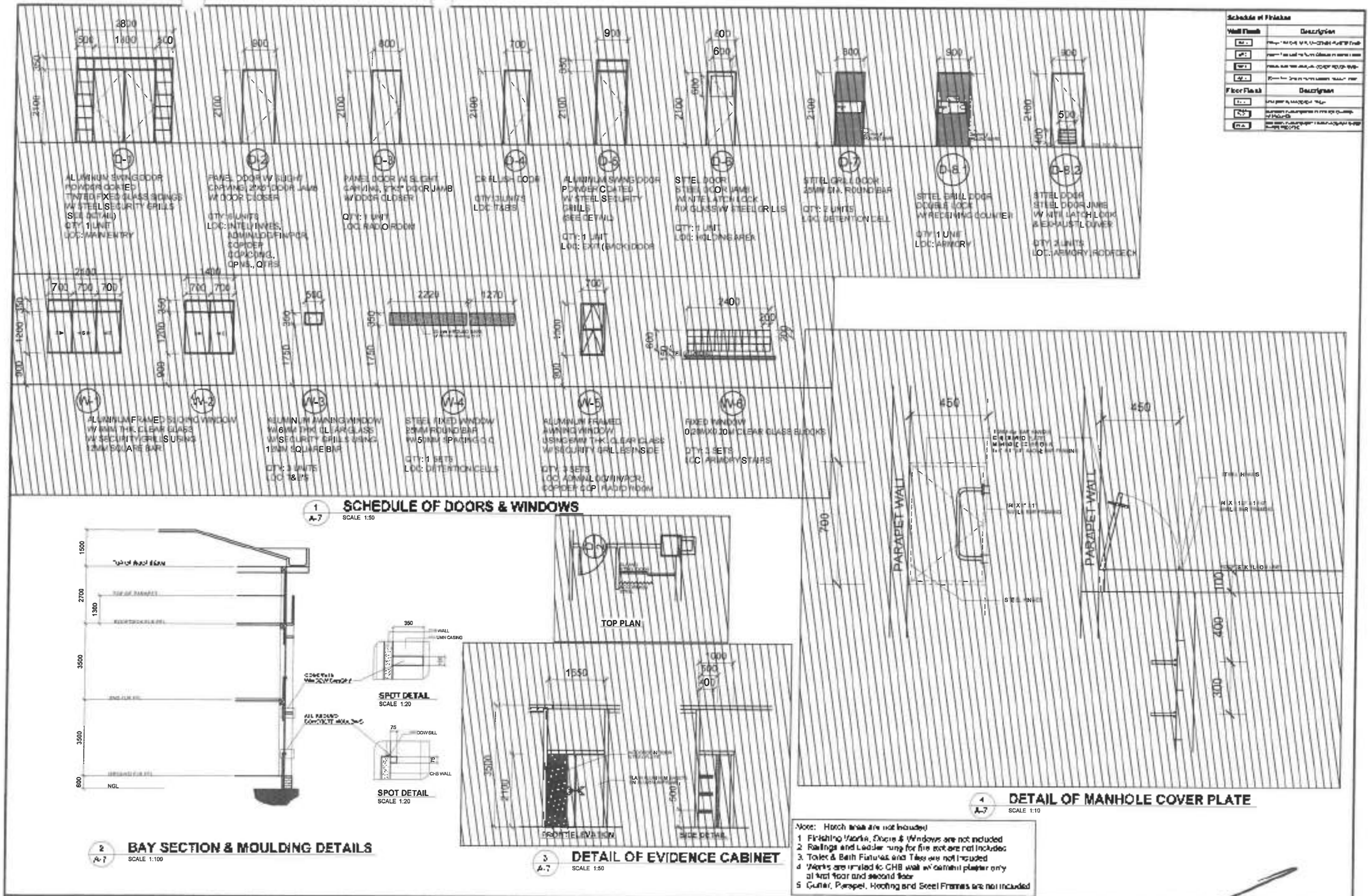
REVIEWED: [illegible] DONALDO [illegible]
Asst. Chief, Planning & Design Section

SUBMITTED: ANDY S. [illegible]
Chief, Planning & Design Section

RECOMMENDED: [illegible] BIAGO
Chief, [illegible]

APPROVED: ALVIN A. IGNACIO
District Engineer

SHT No. A-8 / 11
Sheet No. 5 / 34



Note: Hatch lines are not included
1. Finishing Works, Doors & Windows are not included
2. Railings and Ladder hung for fire exit are not included
3. Toilet & Bath Fixtures and Tiles are not included
4. Works are limited to CHB wall w/ cement plaster only at first floor and second floor
5. Gutter, Parapet, Roofing and Steel Frames are not included

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

PROJECT NAME & LOCATION: CONSTRUCTION OF POLICE STATION IN SAN VICENTE, NORTHERN SAMAR
San Vicente, Northern Samar

SHEET CONTENTS: SCHEDULE OF DOORS & WINDOWS; BAY SECTION & MOULDING DETAILS; DETAIL OF EVIDENCE CABINET; DETAIL OF MANHOLE COVER PLATE

DRAFTER: A. [illegible] MATA
DESIGNER: B. [illegible]

REVIEWED: MARK RONALD R. [illegible]
Asst. Chief, Planning & Design Section
Date

SUBMITTED: ANDY S. ERAÑO
Chief, Planning & Design Section
Date

RECOMMENDED: VIVIAN L. BIACO
Chief, Construction Division
Date

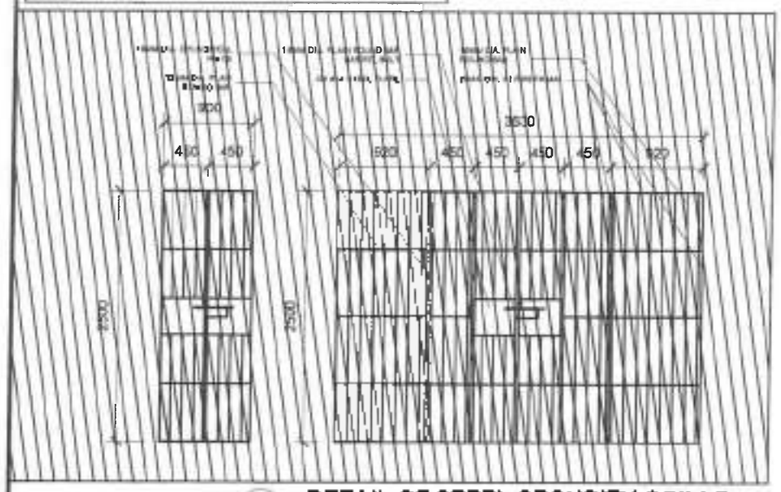
APPROVED: ALVIN A. IGNACIO
District Engineer
Date

SFT No. A-7 / 11

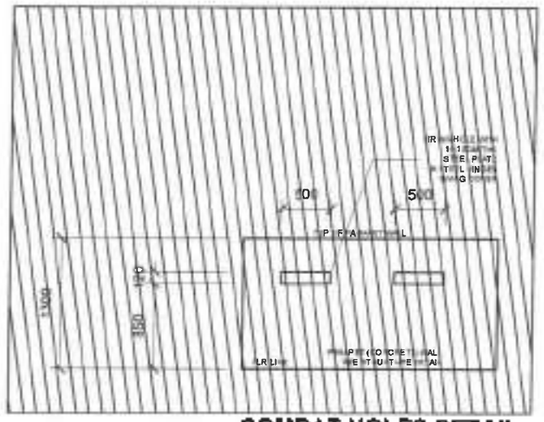
SHEET No. 9 / 34

NOTE: Hatch area are not included
1. Finishing Works: Doors & Windows are not included
2. Railings and Ladder rung for fire exit are not included
3. Toilet & Bath Fixtures and Tiles are not included
4. Works are limited to CHB wall w/ cement plaster only at first floor and second floor
5. Gutter, Parapet, Roofing and Steel Frames are not included

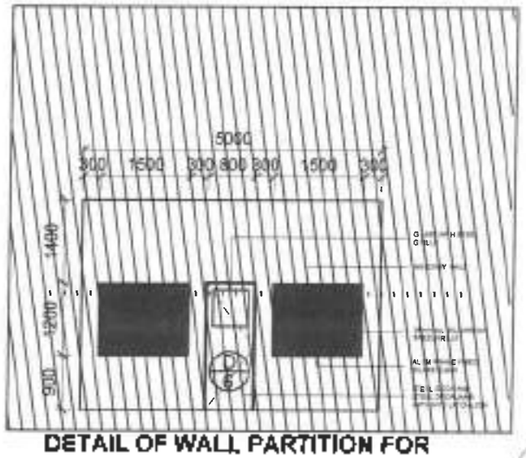
Wall Finish	Description
Floor Finish	**Description**



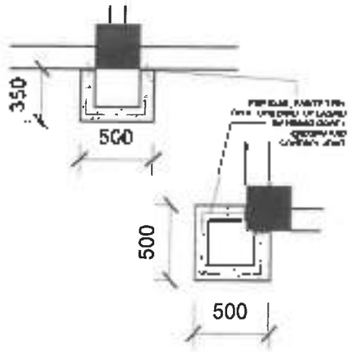
1 / A-8 **DETAIL OF STEEL SECURITY GRILLS**
SCALE 1:30



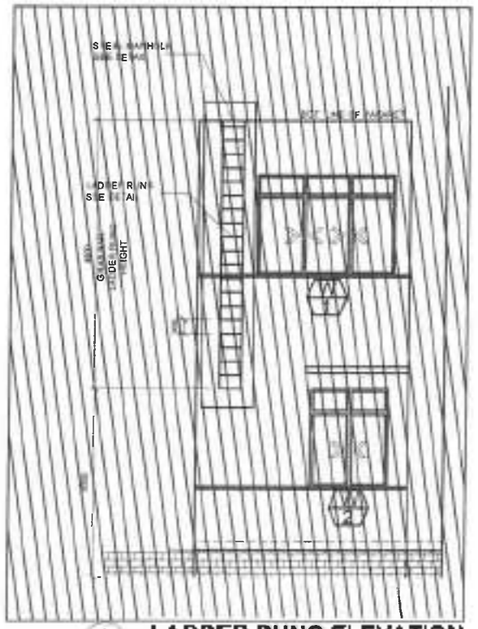
1 / A-8 **COMBAT HOLES DETAIL @ ROOFDECK LEVEL**
SCALE 1:30



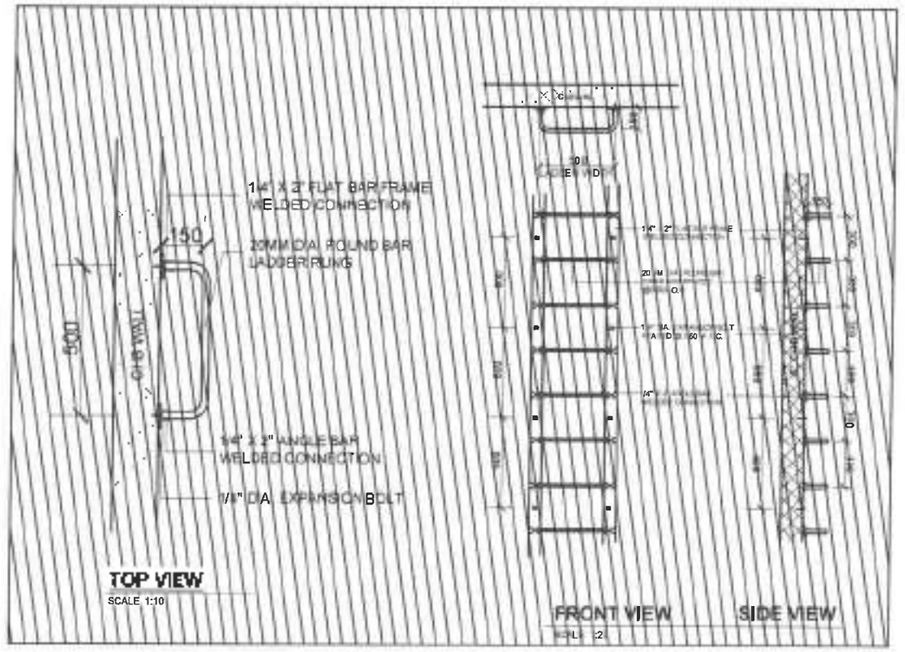
1 / A-8 **DETAIL OF WALL PARTITION FOR HOLDING AREA @ DETENTION CELL**
SCALE 1:50



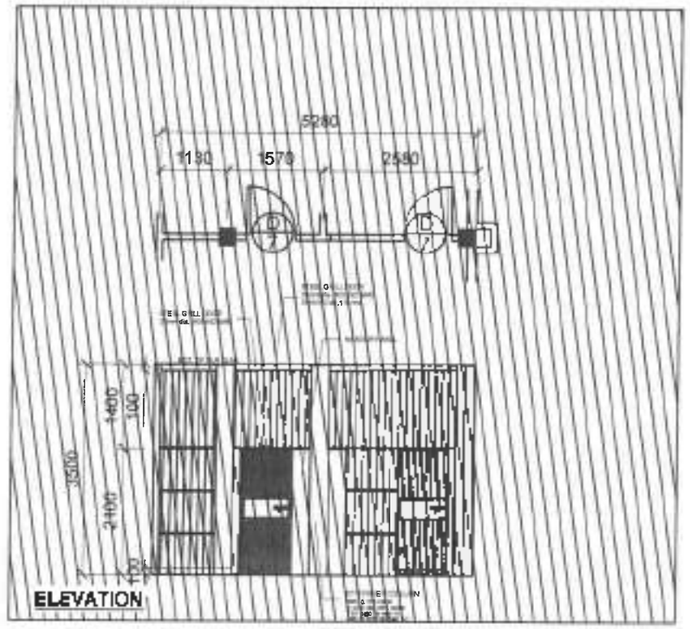
1 / A-8 **COLUMN CASING DETAILS**
SCALE 1:20



1 / A-8 **LADDER RUNG ELEVATION**
SCALE 1:50

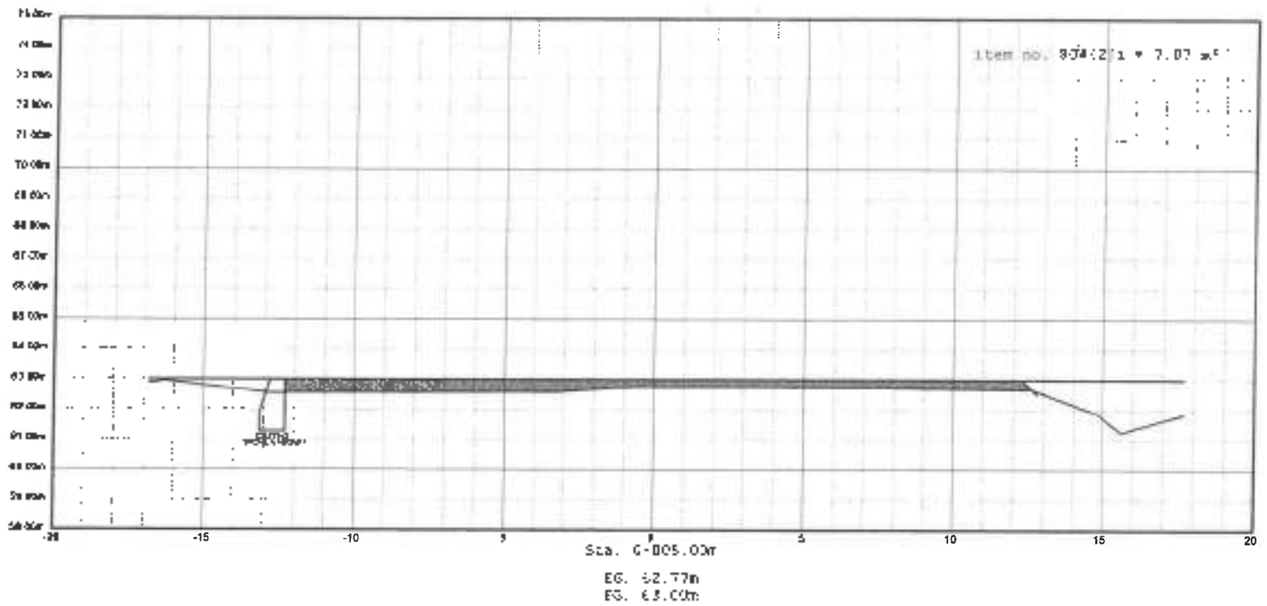


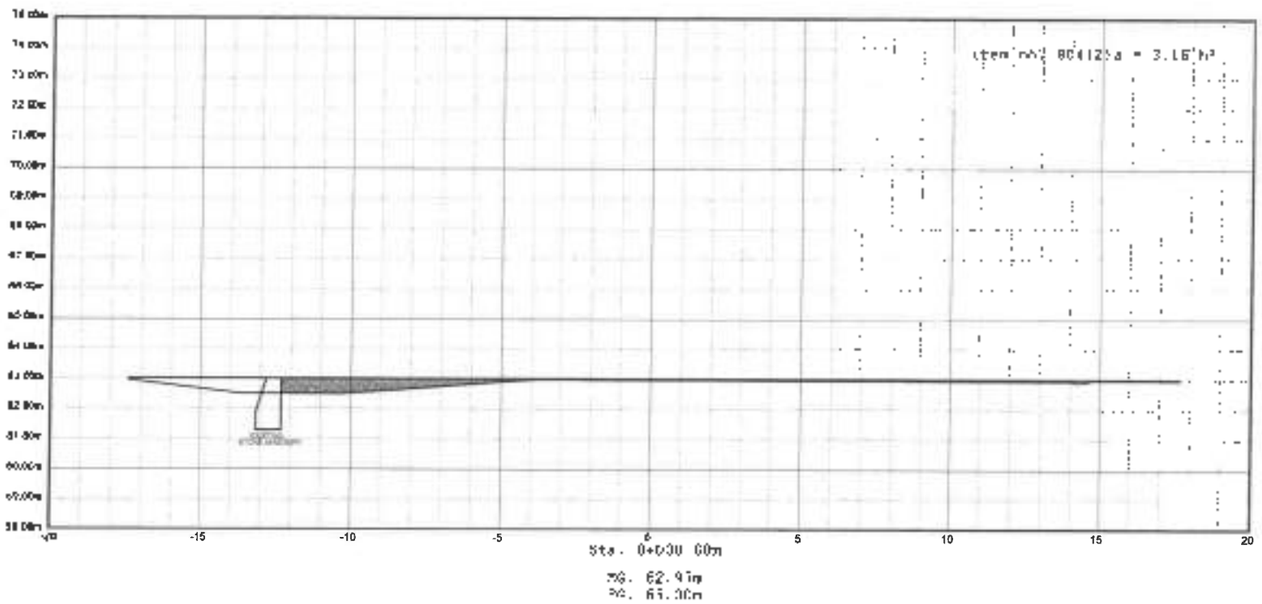
TYPICAL GRAB BAR LADDER RUNG DETAIL



1 / A-8 **DETAIL OF CUSTODIAL DETENTION CELL**
SCALE 1:50

Republic of the Philippines DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGIONAL OFFICE No. VIII NORTHERN SAMAR FIRST DISTRICT ENGINEERING OFFICE Catarman, Northern Samar	PROJECT NAME & LOCATION CONSTRUCTION OF POLICE STATION IN SAN VICENTE, NORTHERN SAMAR San Vicente, Northern Samar	SHEET CONTENTS DETAIL OF STEEL SECURITY GRILLS COMBAT HOLES DETAIL @ ROOFDECK LEVEL DETAIL OF WALL PARTITION FOR HOLDING AREA @ DETENTION CELL COLUMN CASING DETAILS LADDER RUNG ELEVATION TYPICAL GRAB BAR LADDER RUNG DETAIL DETAIL OF CUSTODIAL DETENTION CELL	DRAFTED BRIAN B. COSTA ENGINEER I DESIGNED ALMIRA [illegible]	REVIEWED [illegible] ASST. CHIEF, PLANNING & DESIGN SECTION Title	SUBMITTED ANDY B. [illegible] CHIEF, PLANNING & DESIGN SECTION Title	RECOMMENDED [illegible] ASST. DISTRICT ENGINEER Title	APPROVED ALMIRA IGNACIO DISTRICT ENGINEER Title	SHT No.	SHEET No.
								A-8 / 11	10 / 34





1
A-9

DETAILED CROSS-SECTION

SCALE 1:100

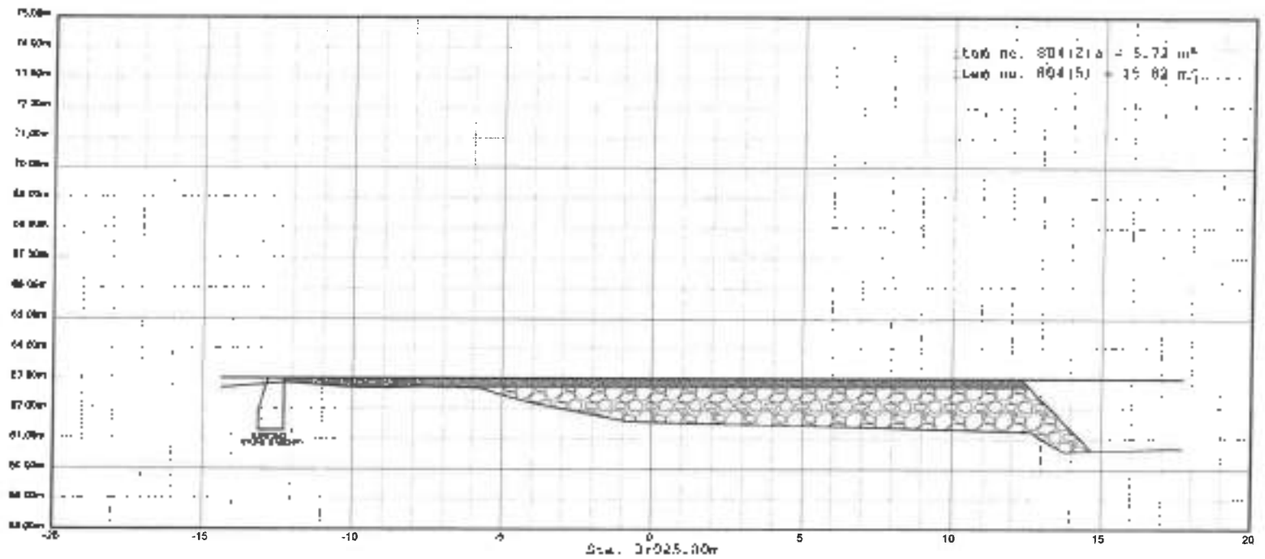
Republic of the Philippines DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS NORTHERN SAMAR FIRST DISTRICT ENGINEERING OFFICE	PROJECT NAME & LOCATION: CONSTRUCTION OF POLICE STATION IN SAN VICENTE, NORTHERN SAMAR San Vicente, Northern Samar	SHEET CONTENTS: DETAILED CROSS-SECTION	DRAFTED: BRYAN B. OSTIA ENGINEER I	REVIEWED: ALDA DONNALYN EMAN ASST. CHIEF PLANNING & DESIGN SECTION	SUBMITTED ANDY B. ERBIO CHIEF PLANNING & DESIGN SECTION	RECOMMENDED VIVIAN B. BUNACO ASST. DISTRICT ENGINEER	APPROVED ALVIN A. IGNACIO DISTRICT ENGINEER	SHEET NO. A-9 11	SHEET NO. 11 34
			DESIGNED: JEAN T. [illegible] USMARIO ENGINEER II						

1
A-10

DETAILED CROSS-SECTION

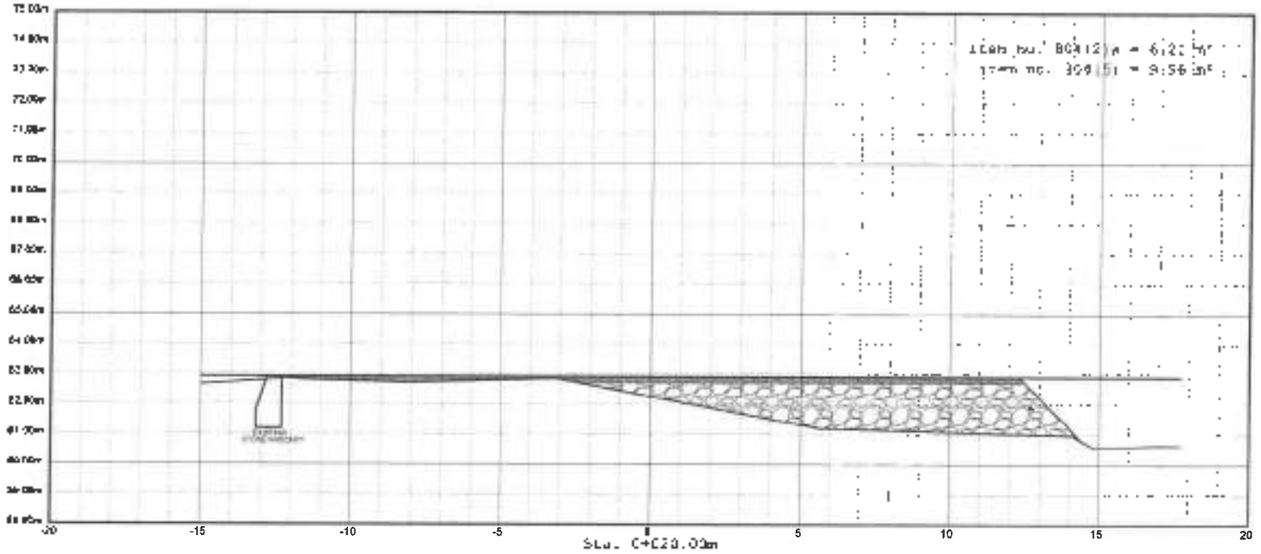
SCALE: 1:50m

Republic of the Philippines DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGIONAL OFFICE NO. VIII NORTHERN SAMAR FIRST DISTRICT ENGINEERING OFFICE Catarman, Northern Samar	PROJECT NAME & LOCATION: CONSTRUCTION OF POLICE STATION IN SAN VICENTE NORTHERN SAMAR San Vicente, Northern Samar	SHEET CONTENTS DETAILED CROSS-SECTION	DRAFTED: BRIANNE OSTIA ENGINEER I DESIGNED: JUSTIN [illegible] ENGINEER II	REVIEWED MAR DONALD R. BONAN DIST. CHIEF, PLANNING & DESIGN SECTION Date	SUBMITTED ANDY B. TRIANO CHIEF, PLANNING & DESIGN SECTION Date	RECOMMENDED JULIAN [illegible] GRACO DIST. DISTRICT ENGINEER Date	APPROVED ALVIN A. IGNACIO DISTRICT ENGINEER Date	SHT. No. A-10 11	SHEET No. 12 34



Sta. 0+025.00m

EG. 61.57m
FG. 62.00m



Sta. 0+020.00m

EG. 62.25m
FG. 63.20m

1
A-11

DETAILED CROSS-SECTION

NOT TO SCALE 1:100m

Republic of the Philippines DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGIONAL OFFICE NO. VIII NORTHERN SAMAR FIRST DISTRICT ENGINEERING OFFICE Catarman, Northern Samar	PROJECT NAME & LOCATION: CONSTRUCTION OF POLICE STATION IN SAN VICENTE, NORTHERN SAMAR San Vicente, Northern Samar	SHEET CONTENTS: DETAILED CROSS-SECTION	DRAFTED: BRIAN B. OSTIA ENGINEER I DESIGNED: JUNEL DIAZ, DOMINGO	REVIEWED MARIA DONNA M. SALAN Chief, Project Development Section	SUBMITTED ANDY S. FRAGO Chief, Planning & Design Section	RECOMMENDED VIVIANO D. BIAGO Assistant District Engineer	APPROVED ALVIN A. IGNACIO District Engineer	SHEET No. A-11 11	SHEET No. 13 38

CONSTRUCTION NOTES

A. GENERAL

1. CONSTRUCTION NOTES AND TYPICAL DETAILS APPLY TO ALL DRAWING UNLESS OTHERWISE SHOWN OR NOTED. MODIFY TYPICAL DETAILS AS DIRECTED TO MEET SPECIAL CONDITIONS
2. SHOP DRAWINGS WITH ERECTION AND PLACING DIAGRAMS OF ALL STRUCTURAL STEEL, MISCELLANEOUS IRON, PRE-CAST CONCRETE ETC. SHALL BE SUBMITTED FOR ENGINEER'S APPROVAL BEFORE FABRICATION
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS BEFORE ALL WORKS IS TO BEGIN, CHECK WITH MECHANICAL AND ELECTRICAL CONTRACTORS FOR CONDUITS, PIPE SLEEVES, ETC. TO BE EMBEDDED IN CONCRETE
4. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ADEQUATE SHORINGS AND BRACINGS OF THE STRUCTURE FOR ALL LOADS THAT MAYBE IMPOSED DURING CONSTRUCTION

B. CONCRETE & REINFORCEMENT

1. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM WITH THE LATEST BUILDING CODE OF AMERICAN CONCRETE INSTITUTE (ACI-318-77)
2. ALL CONCRETE SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH AT THE END OF TWENTY EIGHT DAYS WITH CORRESPONDING MAXIMUM SIZE AGGREGATE AND SLUMPS AS FOLLOWS

LOCATION	28 DAYS STRENGTH	MAX. SIZE AGGREGATE	MAX SLUMP
CURBS & SLAB ON GRADE EXCEPT FOUND	3000 PSI(21.00 MPa)	1 IN. (25MM.)	4 IN. (100MM.)
FOUNDATION	3000 PSI(21.00 MPa)	3/4 IN. (19MM.)	4 IN. (100MM.)
COLUMN	3000 PSI(21.00 MPa)	3/4 IN. (19MM.)	4 IN. (100MM.)
SUSPENDED SLABS/ BEAMS	4000 PSI(28.00 MPa)	3/4 IN. (19MM.)	4 IN. (100MM.)

3. ALL REINFORCING BARS SHALL CONFORM TO ASTM A615 GRADE 33 FOR DIA. 10 AND SMALLER BARS AND GRADE 40 FOR DIA. 12 AND LARGE BARS.
4. IN GENERAL, THE LATEST EDITION OF ACI-315, 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.

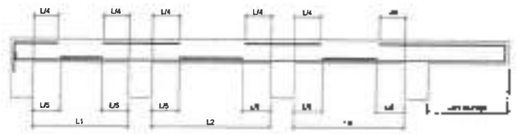
BEAMS AND COLUMNS	(40 MM.)
FOOTINGS	(75 MM.)
SUSPENDED SLABS	(20 MM.)
WHERE CONCRETE IS EXPOSED TO EARTH BUT POURED AGAINST FORMS	(50 MM.)
WHERE CONCRETE IS DEPOSITED DIRECTLY AGAINST EARTH	3 IN. (75 MM.)

C. CAMBER REQUIREMENTS

1. UNLESS OTHERWISE NOTED ON THE PLANS OR SPECIFICATIONS CAMBER ALL RC BEAMS AT LEAST 10mm. FOR EVERY 4000mm. OF CLEAR SPAN EXCEPT CANTILEVERS WHICH SHALL BE 60mm. FOR EVERY 3000mm. OF CLEAR SPAN
2. UNLESS OTHERWISE NOTED IN PLANS OR SPECIFICATIONS, CAMBER ALL R.C. 6mm PER 3000mm. OF SHORTER SPAN AND 14mm. FOR EVERY 2000mm. OF SLABS CANTILEVER SPAN.

D. CONCRETE SLAB

1. ALL REINFORCEMENT SHALL BE 0.020 CLEAR MINIMUM FROM TOP AND BOTTOM OF SLAB
2. FOR TWO-WAY SLAB ALONG THE LONGER SPAN SHALL BE PLACED BELOW THOSE ALONG THE LONGER SPAN AT CENTER AND OVER THE LONGER SPAN BARS NEAR THE SUPPORT UNLESS OTHERWISE INDICATED OR SHOWN IN DETAILS THE SPACING OF THE BARS AT THE COLUMN STRIPS CAN BE APPROXIMATELY 1 1/3 OF THE MIDDLE STRIP IN NO CASE GREATER THAN 2 1/3 TIMES THE SLAB THICKNESS
3. UNLESS OTHERWISE DETAILED IN CONDITIONING SLAB HAVING SAME REINFORCEMENT RUNNING IN ONE DIRECTION, REINFORCING SHALL BE BENT, EXTENDED OR CUT AS FOLLOWS



E. FOUNDATION

1. FOUNDATIONS IS DESIGNED USING VARYING SOIL BEARING CAPACITIES OF 80KPA, 120KPA, 150KPA AND 250KPA, AND MUST BE VERIFIED USING THE GEOTECHNICAL REPORT OF THE PROJECT SITE ALSO, CONSIDER IN THE SAID REPORT THE LIQUEFACTION POTENTIAL AND OTHER HAZARDS.
2. SOIL TEST SHALL BE CONDUCTED PRIOR TO CONSTRUCTION
3. FOUNDATION SHALL REST ON NATURAL SOIL, UNLESS OTHERWISE NOTED BY THE ENGINEER, NO PART OF THE FOUNDATION SHALL REST ON FILL
4. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AFTER FOOTING EXCAVATION HAVE BEEN COMPLETED AND PRIOR TO CONCRETING TO CONFIRM THE DESIGN SOIL BEARING CAPACITY.
5. SPLICES SHALL BE SECURELY WIRED TOGETHER AND SHALL LAP OR EXTEND IN ACCORDANCE WITH TABLE : (TABLE OF LAP SPLICES AND ANCHORAGE LENGTH) UNLESS OTHERWISE SHOWN ON DRAWINGS, SPLICES SHALL BE STAGGERED WHENEVER POSSIBLE
6. ALL ANCHOR BOLTS, DOWELS, AND OTHER INSERTS SHALL BE PROPERLY POSITIONED AND SECURED IN PLACE PRIOR TO PLACING OF CONCRETE.
7. CONTRACTOR SHALL NOTE AND PROVIDE ALL MISCELLANEOUS CURBS, SILLS, STOOLS, EQUIPMENTS, AND MECHANICAL BASES THAT ARE REQUIRED BY THE ARCHITECTURAL, ELECTRICAL, AND MECHANICAL DRAWINGS.
8. 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
9. STRIPPING OF FORMS AND SHORES:

FOUNDATIONS	24 HRS.
SUSPENDED SLAB EXCEPT WHEN ADDITIONAL LOADS ARE IMPOSED	6 DAYS
WALLS	18 HRS.
BEAMS	14 DAYS

TABLE OF LAP SPLICE & ANCH. LENGTH

BAR DIA. (mm.)	ANCH LENGTH (mm.)				LAP SPLICE (m)				UNIT WEIGHT (Kg/m)	MIN. LAP SPLICE LENGTH OF COL. REINF. INDIVIDUAL BARS	
					TENSION BAR		COMP. BAR				
		90 DEG	180 DEG	135 DEG	TOP BAR	BOT BAR	TOP BAR	BOT BAR		W/ TIES	W/ SPIRAL
10	0.60	0.15	0.13	0.10	0.42	0.30	0.42	0.30	0.617	0.30	0.30
12	0.80	0.20	0.15	0.12	0.42	0.30	0.42	0.30	0.889	0.30	0.30
16	0.80	0.25	0.18	0.14	0.73	0.52	0.87	0.62	1.580	0.52	0.47
20	0.80	0.30	0.20	0.20	0.91	0.65	1.10	0.78	2.480	0.65	0.58
25	0.80	0.40	0.28	0.28	0.15	0.82	1.40	1.00	3.858	0.80	0.73
28	0.80	0.48	0.38		0.45	1.03	1.53	1.09	4.840	0.90	0.82
32	1.12	0.58	0.43		1.50	1.85	1.74	1.24	6.327	1.03	0.93
36	1.43	0.61	0.48		2.40	1.70	2.00	1.40	8.000	1.20	1.05

NOTES

1. ACI SECTION 12.4 STATES THAT DEVELOPMENT LENGTH OF INDIVIDUAL BARS W/ IN A BUNDLE, TENSION OR COMPRESSION, SHALL BE THAT FOR THE INDIVIDUAL BAR INCREASED 20% FOR THREE BAR BUNDLE, AND 33% FOR FOUR-BAR BUNDLE
2. FOR COLUMNS, AT ANY LEVEL NO MORE THAN ALTERNATE BARS SHOULD BE SPLICED, NOT MORE THAN 33% OF THE BARS SHALL BE SPLICED W/ IN THE REQUIRED LAP LENGTH. MINIMUM DISTANCE BETWEEN TWO ADJACENT BAR SPLICES SHALL BE 600MM.
3. TOP BARS ARE HORIZONTAL BARS W/ MORE THAN 300MM DEPTH OF CONCRETE CAST BELOW THE REINF
4. AS MUCH AS POSSIBLE, SPLICES SUBJECTED TENSIL STRESSES ARE DISCOURAGE. THESE SHOULD BE AVOIDED OR PROVIDED W/ STANDARD HOOKS

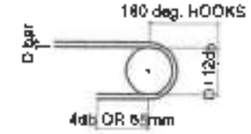
F. DESIGN CRITERIA

1. DEAD LOADS
   - REINFORCE CONCRETE — 23.60 kN/m³
   - STRUCTURAL STEEL — 77.00 kN/m³
   - SUPERIMPOSED DEAD LOADS
     - a. Ceiling - Gypsum Board 12mm thk. — 0.285 kPa
     - b. Ceiling - Sus. Steel Channel System — 0.100 kPa
     - c. Waterproofing (Cold Applied) — 0.050 kPa
     - d. Mech. Elect., Plumbing Allowance — 0.200 kPa
     - e. Masonry Wall - 100mm — 2.880 x height kN/m
     - f. Masonry Wall - 200mm — 3.110 x height kN/m
2. LIVE LOADS
   - MINIMUM UNIFORM LIVE LOADS
     - a. Office Use — 2.40 kPa
     - b. Office Use — 4.80 kPa
     - c. Office Use — 2.40 kPa
3. WIND LOADS
   - a. Basic Wind Speed — 2.40 kPa
   - b. Risk Category — I
   - c. Terrain — Flat (Exposure C)
4. WIND LOADS
   - a. Seismic Zone — 4
   - b. Z — 0.40
   - c. Distance from Nearest Fault Source — Varies
   - d. Seismic Source Type — A
   - e. Importance Factor — 1.50 (ESSENTIAL)
   - f. R — 8.50
   - g. Soil Profile — Sc
   - h. Na — VARIES
   - i. Nv — VARIES
   - j. Ct — 0.0731 (Reinf. Concrete)

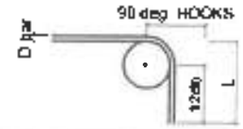
G. NOTES ON STIRRUPS

1. ALL REINFORCEMENT SHALL BE BEND COLD UNLESS OTHERWISE PERMITTED BY THE STRUCTURAL ENGINEER
2. AS SHOWN IN THE DESIGN DRAWINGS OR PERMITTED BY THE STRUCTURAL ENGINEER
3. TIES & CLOSE STIRRUPS MUST BE AT 135

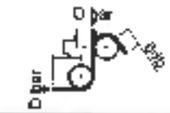
180 deg. HOOKS



90 deg. HOOKS



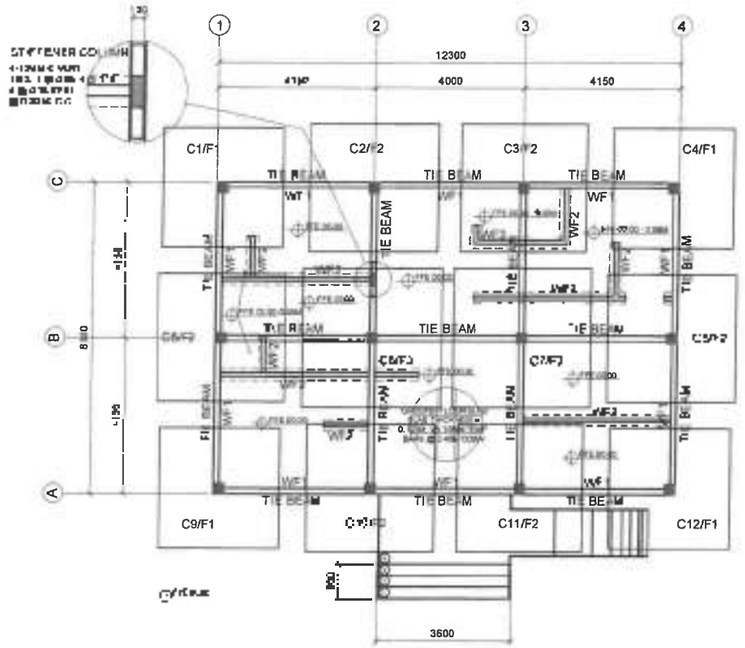
MAIN BAR END HOOKS (ALL GRADES)				
BAR SIZE (Deformed)	DIAMETER (MM)	180 HOOK		90 HOOK
		D+2db	L	L
10 mm dia	80	75	125	150
12 mm dia	75	100	150	200
16 mm dia.	95	125	175	250
20 mm dia.	115	150	200	300
25 mm dia.	150	200	250	450
28 mm dia	240	300	350	550
32 mm dia	300	335	450	600



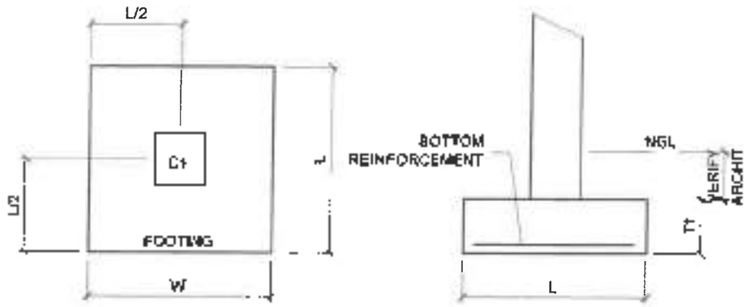
MAIN BAR END HOOKS (ALL GRADES)				
BAR SIZE (Deformed)	DIAMETER (MM)	180 HOOK		90 HOOK
		D+2db	L	L
10 mm dia	40	125	85	100
12 mm dia	40	165	115	115
16 mm dia.	65	200	140	150
20 mm dia	115	300	165	300
32 mm dia	150	335	230	405

Republic of the Philippines DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGIONAL OFFICE No. VIII NORTHERN SAMAR FIRST DISTRICT ENGINEERING OFFICE Catarman, Northern Samar	PROJECT NAME & LOCATION: CONSTRUCTION OF POLICE STATION IN SAN VICENTE, NORTHERN SAMAR — San Vicente, Northern Samar	SHEET CONTENTS: GENERAL NOTES	DRAWN: BRYAN B. ROTA ENGINEER I	REVIEWED: MR. DONALD N. GAMAY ASST. DIST. ENGINEER & CONSTRUCTION	SUBMITTED: ANDY B. EPEND CHIEF, PLANNING & DESIGN SECTION	RECOMMENDED: VIVIAN C. IGNACIO ASST. DISTRICT ENGINEER	APPROVED: ALVIN B. IGNACIO DISTRICT ENGINEER
			DESIGNED: JEFF P. PANGALA ENGINEER II				

SET No. S-1 / 2 — SHEET No. 14 / 34

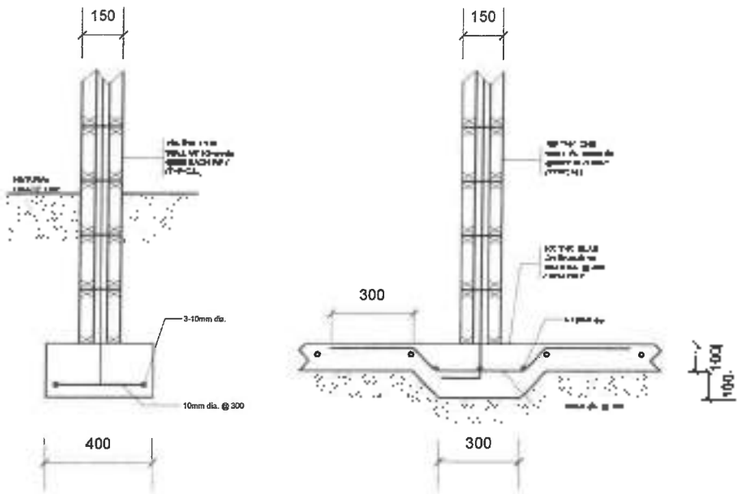


1 FOUNDATION PLAN
S-2 SCALE 1:100

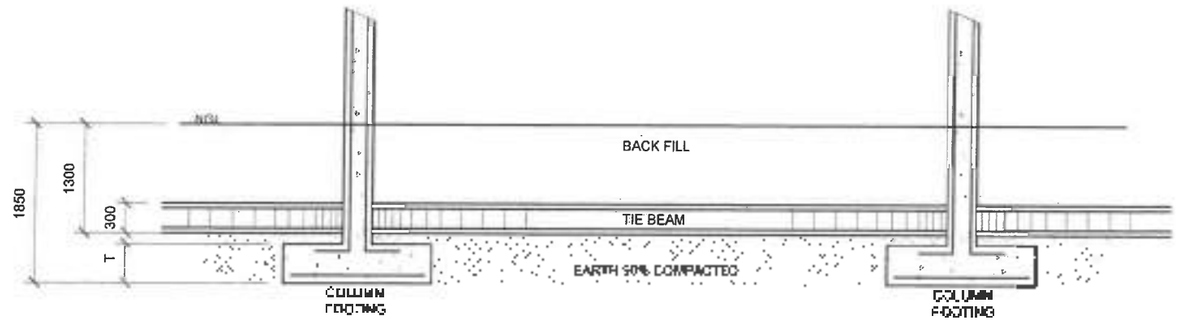


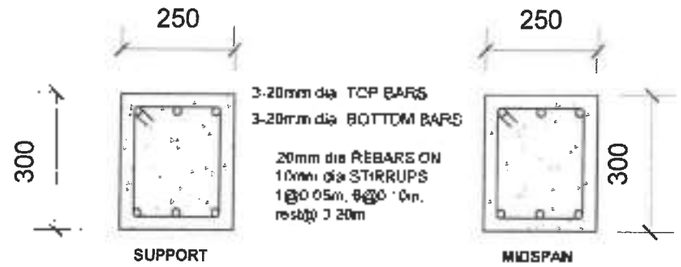
SCHEDULE OF FOOTINGS

MARK	THICKNESS	SIZE (MM)	BOTTOM BARS		D (M)	REMARK
	T (M)	L X W	BAR 'S'	BAR 'L'		
F1	0.40	3.20 X 3.20	22- 16MMØ B.W.	32- 16MMØ B.W.	1.50 (MIN)	ISOLATED
F2	0.40	3.40 X 3.40	34- 16MMØ B.W.	34- 16MMØ B.W.	1.50 (MIN)	ISOLATED
F3	0.40	3.70 X 3.70	25- 16MMØ B.W.	25- 16MMØ B.W.	1.50 (MIN)	ISOLATED



2 WALL FOOTING DETAIL
S-2 NOT TO SCALE

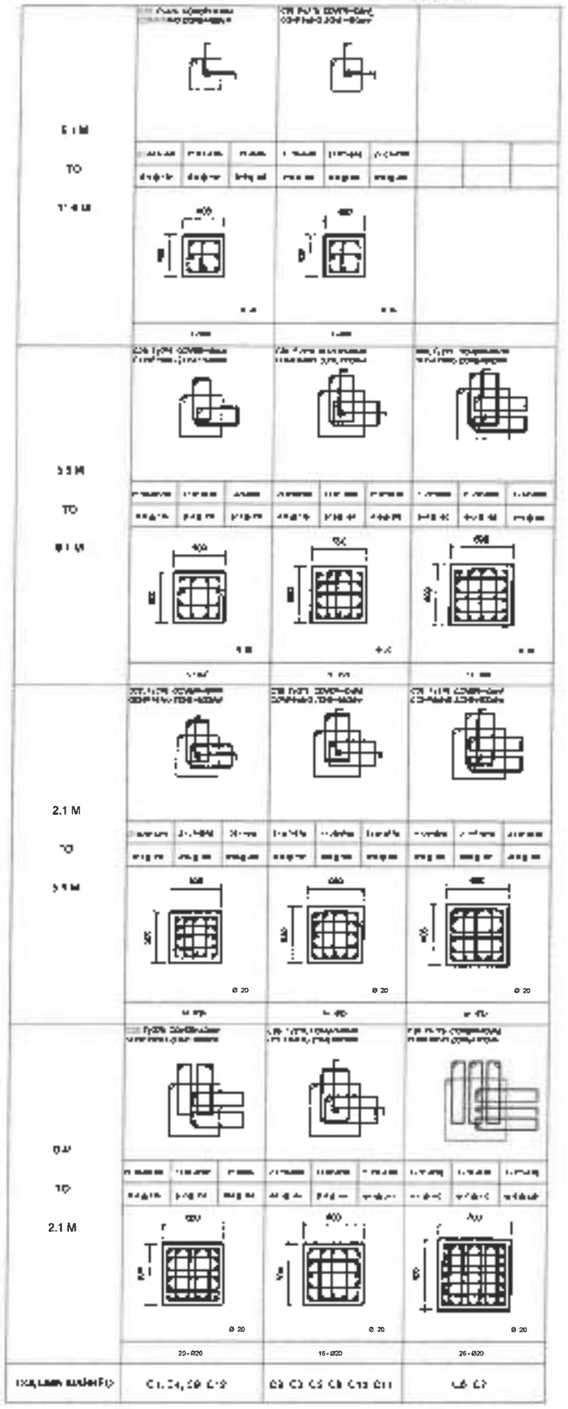




3 DETAIL OF TIE BEAM
S-2 NOT TO SCALE

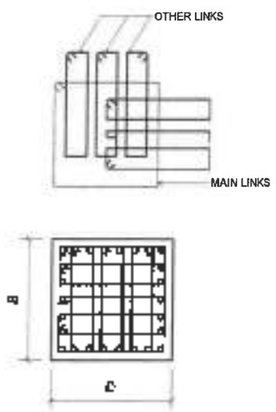
Republic of the Philippines DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGIONAL OFFICE No. VIII NORTHERN SAMAR FIRST DISTRICT ENGINEERING OFFICE Catarman, Northern Samar	PROJECT NAME & LOCATION: CONSTRUCTION OF POLICE STATION IN SAN VICENTE, NORTHERN SAMAR — San Vicente, Northern Samar	SHEET CONTENTS: FOUNDATION PLAN, WALL FOOTING DETAIL, DETAIL OF TIE BEAM, SCHEDULE OF FOOTINGS	DRAFTED: BRIAN B. OBINA	PREPARED: MARIONALEN EMAN	SUBMITTED: ANDY S. FREÑO	RECOMMENDED: [illegible]	APPROVED: ALVIN A. IGNACIO, DISTRICT ENGINEER	SET No. S-2 / 6	SHEET No. 15 / 34
			DESIGNED: JEFF [illegible]						

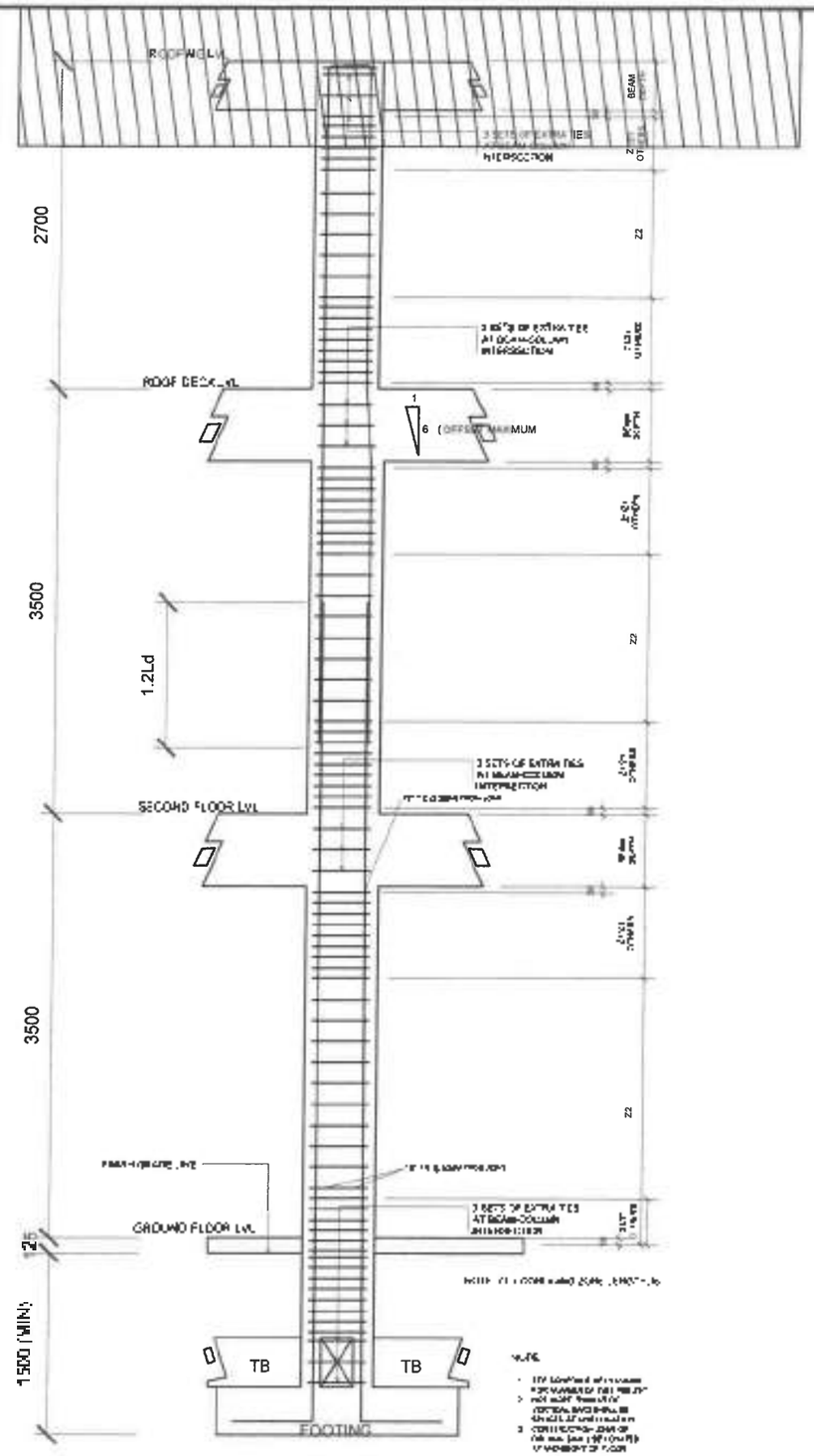
SCHEDULE OF COLUMN



NOTE:
HATCH AREA ARE NOT INCLUDED

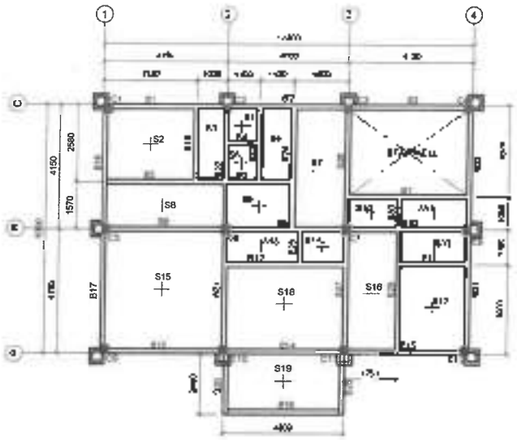
70MM PART OF THE COLUMN HEIGHT DOES NOT INCLUDE CEMENT POURING



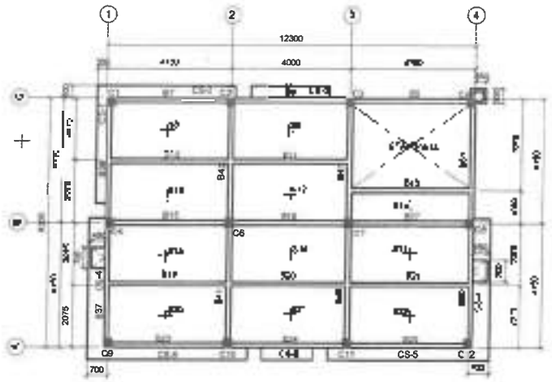


1 COLUMN ELEVATION
S-3 NTS

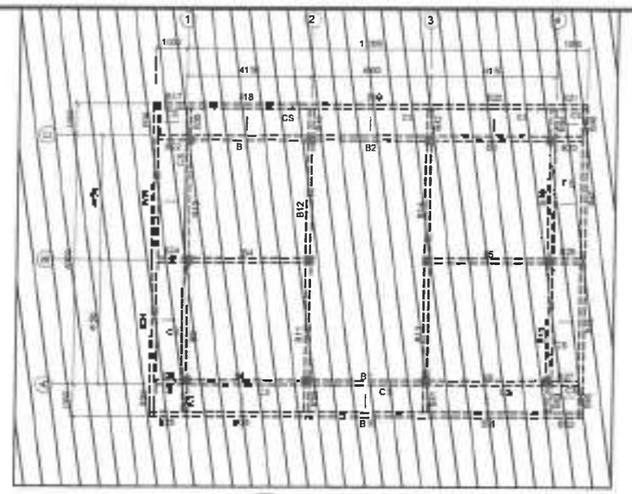
Republic of the Philippines DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGIONAL OFFICE No. VIII NORTHERN SAMAR FIRST DISTRICT ENGINEERING OFFICE Catarman, Northern Samar	PROJECT NAME & LOCATION: CONSTRUCTION OF POLICE STATION IN SAN VICENTE, NORTHERN SAMAR San Vicente, Victoria, Samar	SHEET CONTENTS: SCHEDULE OF COLUMN COLUMN ELEVATION	DRAFTED: BRIAN B. COSTA ENGINEER I DESIGNED: JEFF P. BAYOLA Designer	REVIEWED: MAR DONALD M. DIAZ Chief, Planning & Design Section	SUBMITTED: ANDY S. EREÑO Chief, Planning & Design Section	RECOMMENDED: VIVIAN B. BIAGO Assistant District Engineer	APPROVED: ALVIN A. IGNACIO District Engineer	SHEET No. S-3 B	SHEET No. 16 34



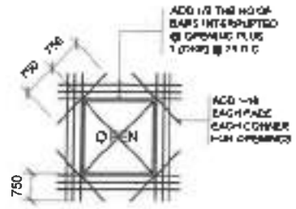
1 SECOND FLOOR FRAMING PLAN
SCALE 1:100



2 ROOF DECK FRAMING PLAN
SCALE 1:100



3 ROOF BEAM PLAN



TYPICAL DETAIL OF SLAB OPENING (UNFRAMED)
NOT TO SCALE

NOTE
HATCH AREA ARE NOT INCLUDED

SCHEDULE OF SLABS (2ND FLOOR)

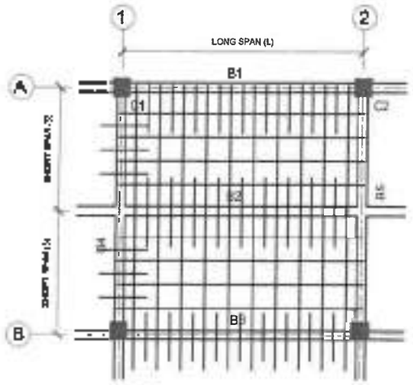
SLAB MARKED	SLAB THICKNESS	BAR SIZE	BOTTOM REINFORCEMENT				TOP REINFORCEMENT					REMARKS
			ALONG SHORT SPAN		ALONG LONG SPAN		ALONG SHORT SPAN		ALONG LONG SPAN		DISTRIBUTION	
			FULL LENGTH	CURTAILED	FULL LENGTH	CURTAILED	CONTINUOUS SUPPORT	END SUPPORT	CONTINUOUS SUPPORT	END SUPPORT		
B1	125	10mm	Ø10 @ 250 O/C	—	Ø10 @ 250 O/C	—	Ø10 @ 250 O/C	Ø10 @ 250 O/C	Ø10 @ 250 O/C	Ø10 @ 250 O/C	Ø10 @ 250 O/C	—
B2, B10, B13, B17	125	10mm	Ø10 @ 250 O/C	—	Ø10 @ 250 O/C	—	Ø10 @ 250 O/C	—	Ø10 @ 250 O/C	Ø10 @ 250 O/C	Ø10 @ 250 O/C	—
B3, B4, B5, B12, B15, B18	125	10mm	Ø10 @ 250 O/C	—	Ø10 @ 250 O/C	—	Ø10 @ 250 O/C	Ø10 @ 250 O/C	—	Ø10 @ 250 O/C	Ø10 @ 250 O/C	—
B6, B8, B14, B16	125	10mm	Ø10 @ 250 O/C	—	Ø10 @ 250 O/C		Ø10 @ 250 O/C	—	Ø10 @ 250 O/C	—	Ø10 @ 250 O/C	—
B7, B11	125	10mm	Ø10 @ 250 O/C	—	Ø10 @ 250 O/C	—	Ø10 @ 250 O/C	Ø10 @ 250 O/C	—	Ø10 @ 250 O/C	Ø10 @ 250 O/C	—
B9	125	10mm	Ø10 @ 250 O/C	—	Ø10 @ 250 O/C	—	Ø10 @ 250 O/C	Ø10 @ 250 O/C	—	Ø10 @ 250 O/C	Ø10 @ 250 O/C	—

SCHEDULE OF SLABS (ROOF DECK)

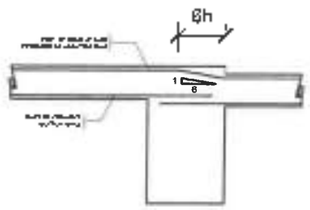
B3	125	10mm	Ø10 @ 150 O/C		Ø10 @ 250 O/C	—	Ø10 @ 250 O/C	Ø10 @ 250 O/C	Ø10 @ 150 O/C	Ø10 @ 150 O/C	Ø10 @ 150 O/C	
B8, B14	125	10mm	Ø10 @ 250 O/C	—	Ø10 @ 250 O/C	—	Ø10 @ 250 O/C		—	Ø10 @ 250 O/C	Ø10 @ 250 O/C	—
B4, B13, B15, B16, B17, B18, B21, B22	125	10mm	Ø10 @ 250 O/C	—	Ø10 @ 250 O/C	—	Ø10 @ 250 O/C	—	Ø10 @ 250 O/C	—	Ø10 @ 250 O/C	—
B10	125	10mm	Ø10 @ 250 O/C	—	Ø10 @ 250 O/C	—	Ø10 @ 250 O/C	—	Ø10 @ 250 O/C	Ø10 @ 250 O/C	Ø10 @ 250 O/C	—

SCHEDULE OF SLABS (ROOF DECK)

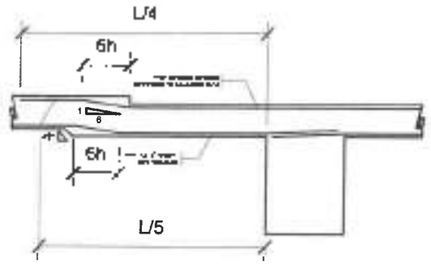
B3	125	10mm	Ø10 @ 150 O/C	—	Ø10 @ 250 O/C	—	Ø10 @ 250 O/C	Ø10 @ 250 O/C	Ø10 @ 150 O/C	Ø10 @ 150 O/C	Ø10 @ 150 O/C	



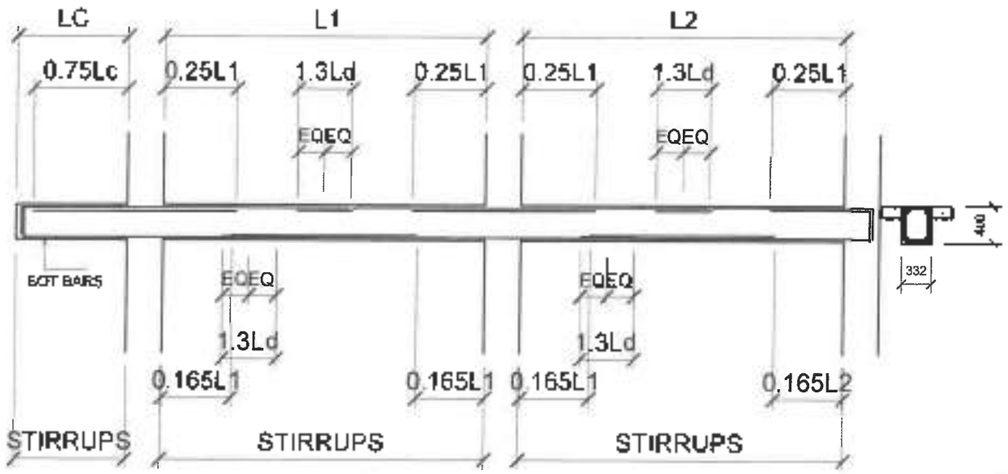
4 TYP. SLAB REBAR DETAIL
NOT TO SCALE



5 CHANGE IN SLAB ELEVATION



7 CHANGE IN SLAB ELEVATION



8 TYPICAL DETAIL OF BEAM
NOT TO SCALE

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

PROJECT NAME / LOCATION
CONSTRUCTION OF POLICE STATION IN SAN VICENTE, NORTHERN SAMAR
San Vicente, Northern Samar

SHEET CONTENTS
SECOND FLOOR FRAMING PLAN
ROOF DECK FRAMING PLAN
ROOF BEAM PLAN
SCHEDULE OF SLABS
TYPICAL SLAB REBAR DETAIL
CHANGE IN SLAB ELEVATION
TYPICAL DETAIL OF BEAM
TYPICAL DETAIL OF SLAB OPENING (UNFRAMED)

DRAFTED: BRYAN B. DETA, ENGINEER I
DESIGNED: JEFFREY NICOLA, ENGINEER II

REVIEWED: NIKA GONZALO N. IGNAM, HEAD, PROJECT MANAGEMENT DESIGN SECTION
SUBMITTED: ANDY S. LEPARO, CHIEF, BUILDING DESIGN SECTION
RECOMMENDED: VIVIAN B. BIACO, ENGINEER III
APPROVED: ALVIN A. IGNACIO, DISTRICT ENGINEER

SHEET No. S-4 / 6
DRAWING No. 17 / 34

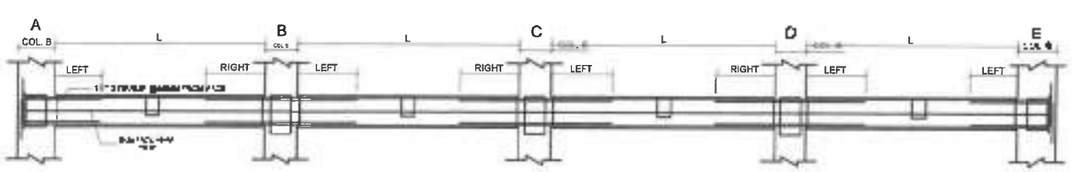
BEAM SCHEDULE(C41:Fy414) (LEVEL: ROOFDECK)

BEAM NUMBERS	SIZE		BOTTOM REINFORCEMENT			TOP REINFORCEMENT			SHEAR STIRRUPS			SFR	SUNSHADE	REMARKS
	B	D	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT			
B18, H20, B21	250	400	2-20M	2-20M	2-20M	2-20M	2-20M	2-20M	10-2L-10@150 O/C	8-2L-10@150 O/C	10-2L-10@150 O/C	—	—	—
B1, B15, B23	300	500	3-20M 2-20M	2-20M	3-20M	2-20M 2-20M 2-20M	2-20M	2-20M 2-20M	14-2L-12@100 O/C	11-2L-12@125 O/C	11-2L-12@100 O/C	—		—
B8, B16, B24	300	500	3-20M	2-20M	2-20M	3-20M 2-20M	2-20M	3-20M 2-20M	11-2L-12@150 O/C	11-2L-12@125 O/C	11-2L-12@100 O/C		—	—
B9, B17, B25	300	500	3-20M	2-20M	2-20M	3-20M 3-20M	2-20M	2-20M 2-20M 2-20M	11-2L-12@100 O/C	11-2L-12@125 O/C	11-2L-12@150 O/C			—
B11, B17, B25	250	400	2-20M	2-20M	2-20M	3-20M 3-20M	2-20M	3-20M 2-20M	15-2L-10@125 O/C	8-2L-10@150 O/C	10-2L-10@150 O/C	—	.	—
B3T	300	500	3-20M	2-20M	3-20M 2-20M	2-20M 2-20M	2-20M	3-20M 3-20M 3-20M	11-2L-12@100 O/C	11-2L-12@125 O/C	11-2L-12@100 O/C		.	—
B36	300	500	2-20M 2-20M	2-20M	3-20M 2-20M	3-20M 3-20M 2-20M	2-20M 2-20M	2-20M 2-20M	11-2L-12@100 O/C	14-2L-12@100 O/C	11-2L-12@150 O/C	.	—	—
B41	300	500	3-20M	2-20M	3-20M 2-20M	3-20M 2-20M	2-20M	3-20M 3-20M 2-20M	14-2L-12@100 O/C	8-2L-12@150 O/C	14-2L-12@100 O/C			—
B47	300	500	3-20M 2-20M	3-20M	3-20M 2-20M	3-20M 3-20M 2-20M	2-20M	3-20M 2-20M	14-2L-12@100 O/C	8-2L-12@150 O/C	14-2L-12@100 O/C	—	—	—
B48	300	500	3-20M	3-20M	3-20M	2-20M 2-20M	2-20M	2-20M 3-20M	14-2L-12@100 O/C	8-2L-12@125 O/C	14-2L-12@100 O/C	.	—	—
B50	300	500	2-20M	3-20M	3-20M	3-20M 3-20M	2-20M	3-20M 2-20M	14-2L-12@100 O/C	8-2L-12@125 O/C	14-2L-12@100 O/C	—	—	—
B49	300	500	3-20M 2-20M	3-20M	3-20M 2-20M	3-20M 3-20M	2-20M	3-20M 3-20M	11-2L-12@100 O/C	8-2L-12@150 O/C	11-2L-12@100 O/C	—	—	—
B51	250	400	2-20M	2-20M	2-20M	2-20M	2-20M	2-20M	11-2L-10@150 O/C	8-2L-10@150 O/C	11-2L-10@150 O/C	—	—	—

BEAM SCHEDULE(C41:Fy414) (LEVEL: ROOF BEAMS)

BEAM NUMBERS	SIZE		BOTTOM REINFORCEMENT			TOP REINFORCEMENT			SHEAR STIRRUPS			SIR	UNIFORM	REMARKS
	B	D	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT			
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	—	—	—
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	—	—	—
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	—	—	—
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	—	—	—
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	—	—	—
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	—	—	—
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	—	—	—

NOTE:
HATCH AREA ARE NOT INCLUDED



TYP. BEAM ELEVATION DETAILS
NOT TO SCALE

BEAM SCHEDULE(C41:Fy414) (LEVEL: 2ND FLOOR)

BEAM NUMBERS	SIZE		BOTTOM REINFORCEMENT			TOP REINFORCEMENT			SHEAR STIRRUPS			SFR	SUNSHADE	REMARKS
	B	D	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT			
B1	300	400	3-20M	3-20M	3-20M 3-20M	3-20M 2-20M	3-20M	2-20M 3-20M	14-2L-10@150 O/C	7-2L-10@125 O/C	14-2L-10@150 O/C	—		—
B2	300	500	3-20M	3-20M	3-20M 3-20M	3-20M 2-20M	3-20M	3-20M 3-20M	14-2L-12@100 O/C	4-2L-12@200 O/C	14-2L-12@100 O/C	—		—
B3	300	500	3-20M	3-20M	3-20M 2-20M	2-20M 3-20M	2-20M	3-20M 3-20M	14-2L-12@100 O/C	5-2L-12@150 O/C	14-2L-12@100 O/C	—		—
B4	200	350	2-20M	2-20M	2-20M	2-20M 2-20M	2-20M	2-20M	8-2L-10@125 O/C	2-2L-10@125 O/C	4-2L-10@125 O/C	—	—	—
B5	200	450	2-20M	2-20M	3-20M	2-20M 3-20M	3-20M	2-20M 2-20M	14-2L-10@150 O/C	6-2L-10@150 O/C	10-2L-10@150 O/C	—	—	—
B6	300	450	2-20M	3-20M	2-20M	2-20M 2-20M	2-20M	3-20M	8-2L-10@100 O/C	4-2L-10@150 O/C	8-2L-10@150 O/C	—	—	—
B7	200	300	2-20M	2-20M	2-20M	2-20M 2-20M	2-20M	2-20M 2-20M	11-2L-10@125 O/C	8-2L-10@125 O/C	12-2L-10@125 O/C	—	—	—
B8	300	500	3-20M 2-20M	3-20M	3-20M 2-20M	3-20M 3-20M	3-20M	3-20M 2-20M	14-2L-12@100 O/C	8-2L-12@125 O/C	14-2L-12@100 O/C	—	—	—
B9	300	500	3-20M	3-20M	3-20M 2-20M	3-20M 3-20M 2-20M	2-20M	3-20M 3-20M 2-20M	14-2L-12@100 O/C	7-2L-12@150 O/C	14-2L-12@100 O/C	—	—	—
B10	300	500	3-20M 3-20M	3-20M	3-20M	3-20M 3-20M 2-20M	2-20M	3-20M 2-20M	14-2L-12@100 O/C	8-2L-12@150 O/C	14-2L-12@100 O/C	—	—	—
B11	200	350	2-20M	2-20M	2-20M	2-20M	2-20M	3-20M 2-20M	7-2L-10@125 O/C	3-2L-10@125 O/C	7-2L-10@125 O/C	—	—	—
B12	300	500	2-20M	2-20M	2-20M	3-20M 3-20M	3-20M	2-20M 2-20M	11-2L-10@150 O/C	8-2L-10@125 O/C	12-2L-10@125 O/C	—	—	—
B13	300	500	3-20M	3-20M	3-20M	3-20M 3-20M	3-20M	3-20M 3-20M	14-2L-12@100 O/C	7-2L-12@150 O/C	14-2L-12@100 O/C	—	—	—
B14	300	500	3-20M	3-20M	3-20M	3-20M 3-20M	3-20M	3-20M 3-20M	14-2L-12@100 O/C	8-2L-12@125 O/C	14-2L-12@100 O/C	—	—	—
B15	300	500	3-20M	3-20M	3-20M	3-20M 3-20M	3-20M	3-20M 3-20M	14-2L-12@100 O/C	7-2L-12@150 O/C	14-2L-12@100 O/C	—	—	—
B16	300	500	3-20M	3-20M	3-20M	3-20M 2-20M	3-20M	3-20M 2-20M	14-2L-12@100 O/C	8-2L-12@125 O/C	14-2L-12@100 O/C	—	—	—
B17	300	500	3-20M 2-20M	3-20M	3-20M	3-20M 2-20M	3-20M	3-20M 3-20M 2-20M	15-2L-10@150 O/C	10-2L-10@150 O/C	15-2L-10@150 O/C	—	—	—
B18	300	500	3-20M	3-20M	2-20M	3-20M 3-20M	2-20M	2-20M 2-20M	14-2L-12@100 O/C	11-2L-12@125 O/C	14-2L-12@100 O/C	—	—	—
B19	300	500	3-20M	3-20M	3-20M	2-20M 2-20M	2-20M	2-20M	14-2L-12@100 O/C	8-2L-12@125 O/C	14-2L-12@100 O/C	—	—	—
B20	300	500	2-20M 2-20M	3-20M	2-20M	3-20M 3-20M 2-20M	2-20M	3-20M 3-20M 2-20M	14-2L-12@100 O/C	8-2L-12@125 O/C	14-2L-12@100 O/C	—	—	CANTILEVERED
B21	300	450	4-20M	4-20M	4-20M	4-20M 4-20M	4-20M	4-20M 4-20M	16-2L-10@100 O/C	14-2L-10@125 O/C	16-2L-10@100 O/C	—	—	—
B22	300	450	3-20M	3-20M	3-20M	3-20M 3-20M 2-20M	3-20M	3-20M 2-20M	11-2L-10@125 O/C	8-2L-10@125 O/C	11-2L-10@125 O/C	—	—	—
B23	300	350	3-20M	3-20M	3-20M	2-20M	2-20M	2-20M	8-2L-10@150 O/C	6-2L-10@150 O/C	8-2L-10@150 O/C	—	—	—
B24	300	350	2-20M	3-20M	3-20M	3-20M 3-20M	2-20M	3-20M 3-20M	11-2L-10@125 O/C	6-2L-10@125 O/C	11-2L-10@125 O/C	—	—	—
B25	300	350	2-20M	3-20M	3-20M	3-20M	2-20M	2-20M 2-20M	8-2L-10@125 O/C	6-2L-10@125 O/C	8-2L-10@125 O/C	—	—	—
B26	300	350	2-20M	3-20M	3-20M	3-20M 3-20M	2-20M	3-20M 3-20M	11-2L-10@125 O/C	6-2L-10@125 O/C	11-2L-10@125 O/C	—	—	CANTILEVERED
B27	300	500	3-20M 2-20M	3-20M	3-20M 2-20M	3-20M 3-20M	2-20M	3-20M 3-20M	14-2L-12@100 O/C	14-2L-12@100 O/C	14-2L-12@100 O/C	—	—	—
B28	300	500	3-20M 2-20M	3-20M	3-20M 2-20M	3-20M 3-20M	2-20M	3-20M 3-20M	14-2L-12@100 O/C	8-2L-12@125 O/C	14-2L-12@100 O/C	—	—	—
B29	300	500	2-20M	3-20M	2-20M	2-20M 2-20M 2-20M	2-20M	2-20M	14-2L-12@100 O/C	8-2L-12@125 O/C	14-2L-12@100 O/C	—	—	—
B30	300	500	2-20M	3-20M	3-20M	3-20M 3-20M 2-20M	2-20M	3-20M 3-20M 2-20M	14-2L-12@100 O/C	8-2L-12@125 O/C	14-2L-12@100 O/C	—	—	—
B31	250	500	2-20M 2-20M	3-20M	2-20M 2-20M	2-20M 2-20M 2-20M	2-20M	3-20M 3-20M 2-20M	11-2L-10@125 O/C	11-2L-10@125 O/C	11-2L-10@125 O/C	—	—	—
B32	250	500	2-20M 2-20M	2-20M	2-20M 2-20M	2-20M 3-20M 3-20M	2-20M	2-20M 2-20M	11-2L-10@150 O/C	8-2L-10@150 O/C	11-2L-10@150 O/C	—	—	—

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

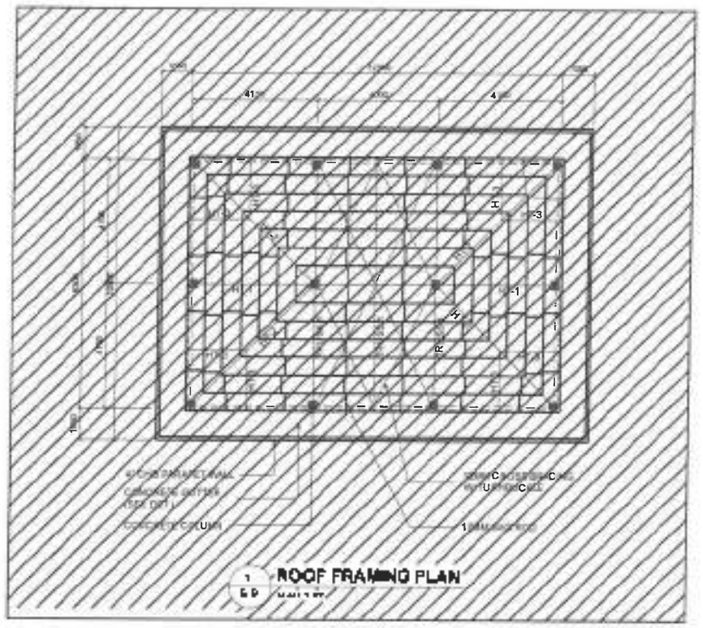
PROJECT NAME & LOCATION:
CONSTRUCTION OF POLICE STATION IN SAN VICENTE, NORTHERN SAMAR
San Vicente, Northern Samar

SHEET CONTENTS:
REINFORCEMENT
TYPICAL BEAM ELEVATION DETAILS

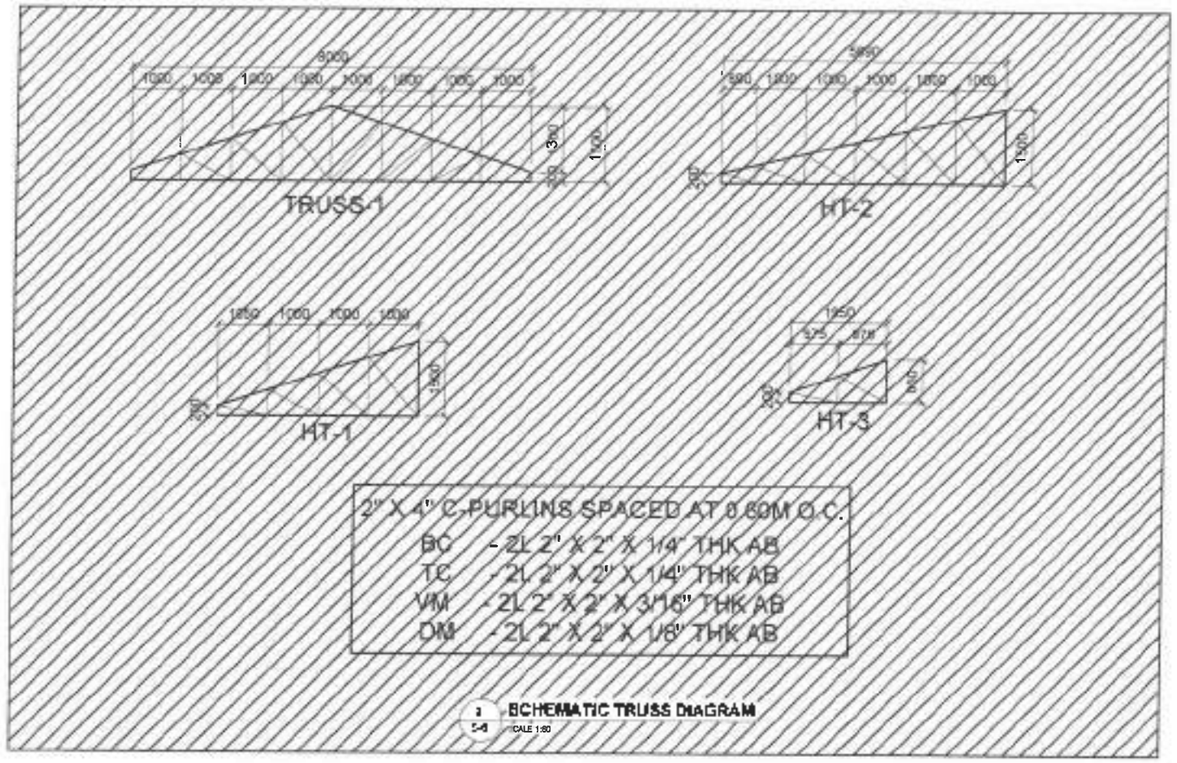
DRAWN BY: [illegible]
DESIGNER: JEFF P. [illegible]

REVIEWED: [illegible]
SUBMITTED: ANDY S. [illegible]
RECOMMENDED: [illegible]
APPROVED: ALVIN A. IGNACIO

SHEET NO. S-5 / 6
SHEET No. 18 / 34

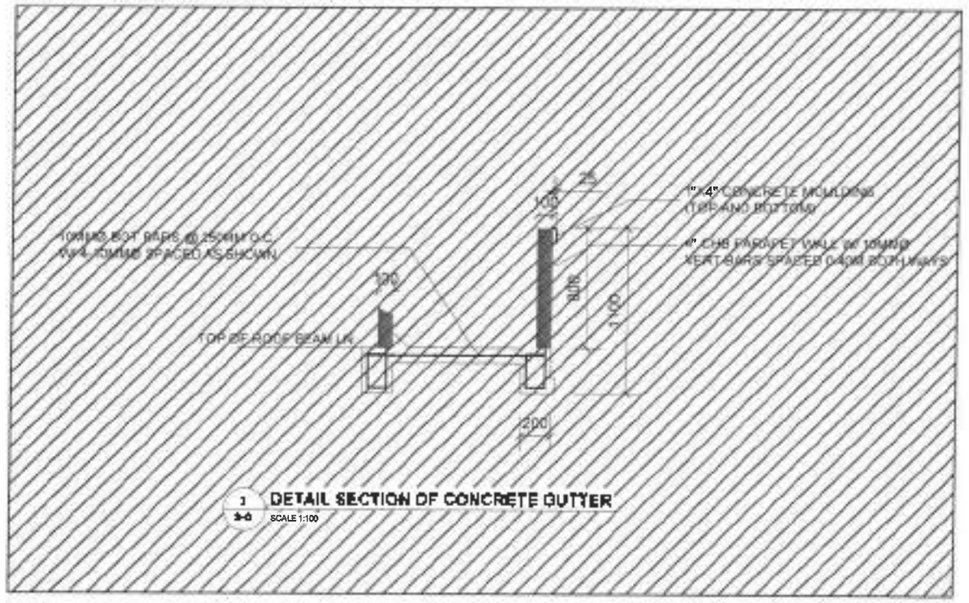


1 ROOF FRAMING PLAN
S-5 SCALE 1:100

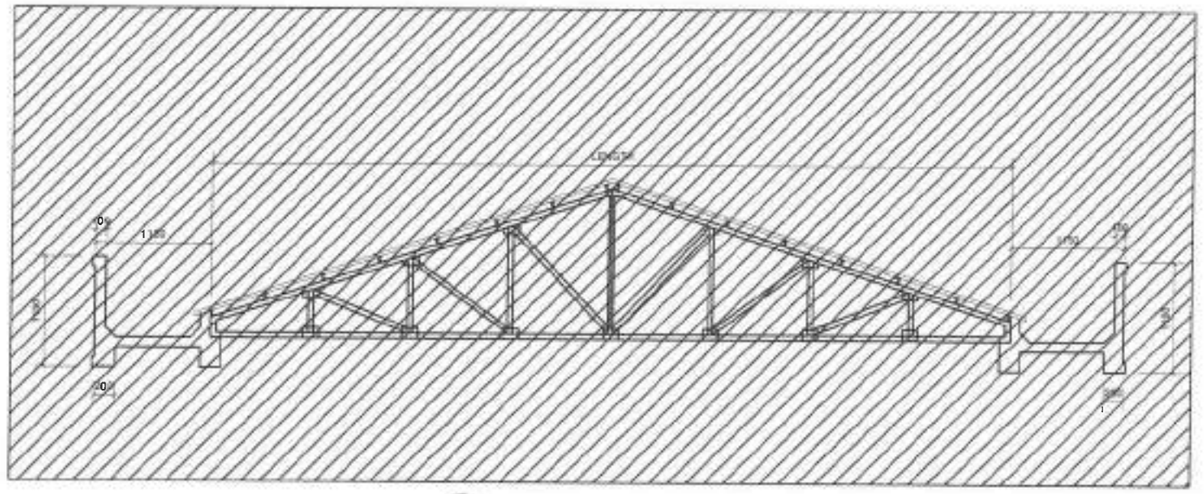


3 SCHEMATIC TRUSS DIAGRAM
S-5 SCALE 1:50

NOTE:
HATCH AREA ARE NOT INCLUDED

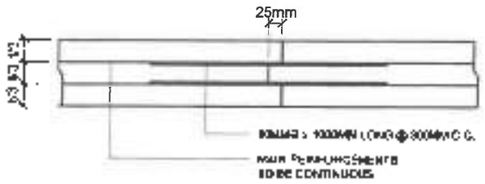


1 DETAIL SECTION OF CONCRETE GUTTER
S-5 SCALE 1:100

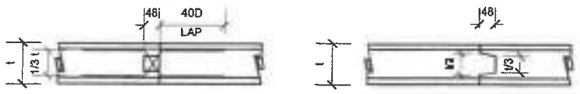


4 TRUSSI GUTTER ELEVATION
S-5 SCALE 1:50

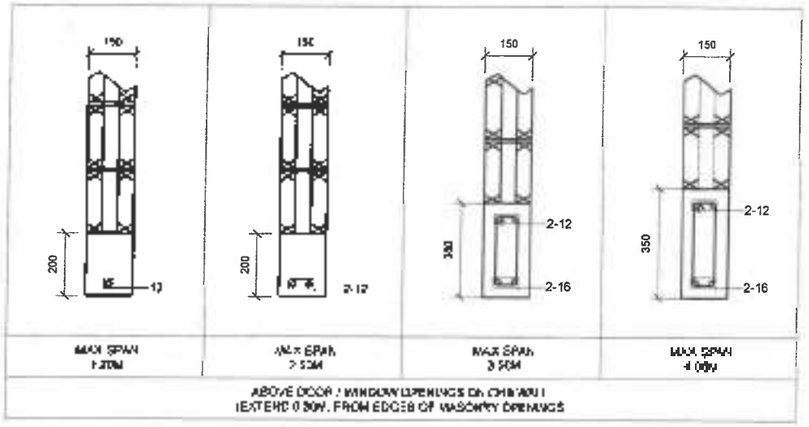
Republic of the Philippines DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS NORTHERN SAMAR FIRST DISTRICT ENGINEERING OFFICE	PROJECT NAME & LOCATION CONSTRUCTION OF POLICE STATION IN SAN VICENTE, NORTHERN SAMAR San Vicente, Northern Samar	SHEET CONTENTS ROOF FRAMING PLAN SCHEMATIC TRUSS DIAGRAM DETAIL SECTION OF CONCRETE GUTTER TRUSS GUTTER ELEVATION	DRAFTED: DESIGNED:	REVIEWED MAR DONALD M. ZIRAN ASST. CHIEF PLANNING & DESIGN SECTION	SUBMITTED ANDY S. CREÑO CHIEF PLANNING & DESIGN SECTION	RECOMMENDED VIVI BIACO ASSISTANT DISTRICT ENGINEER	APPROVED: ALVIN A. IGNACIO DISTRICT ENGINEER	SHEET NO. S-6 S	SHEETS NO. 18 36



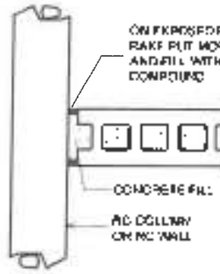
1 / S-7 SUSPENDED SLAB CONSTRUCTION JOINT DETAIL
NOT TO SCALE



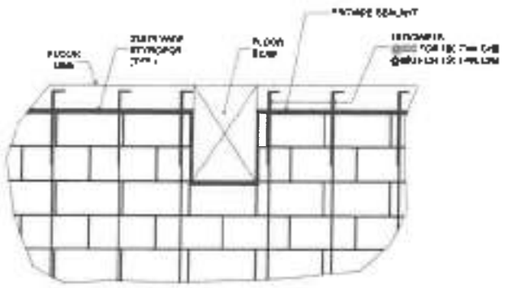
2 / S-7 TYPICAL CONSTRUCTION JOINTS
NOT TO SCALE



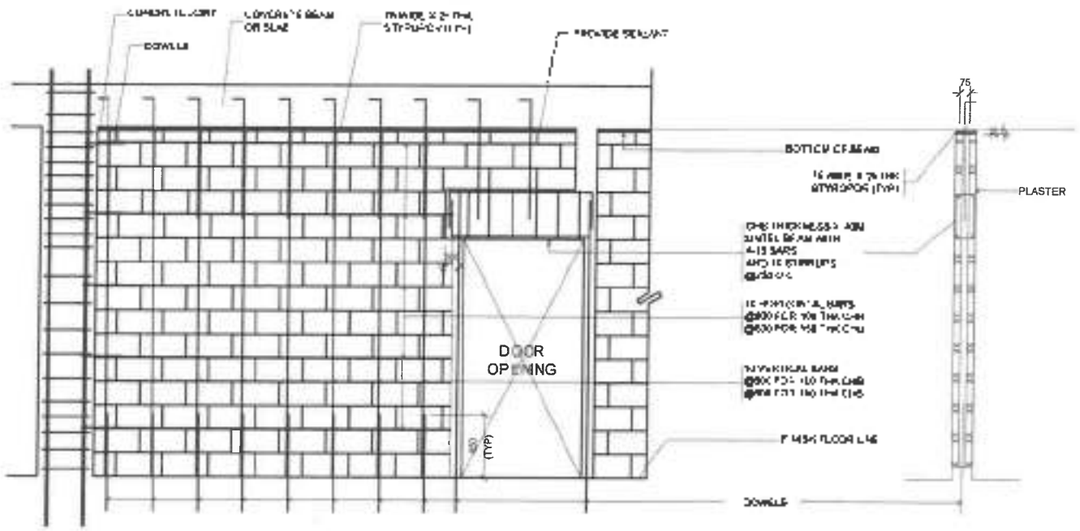
1 / S-7 LINTEL BEAM SCHEDULE
NOT TO SCALE



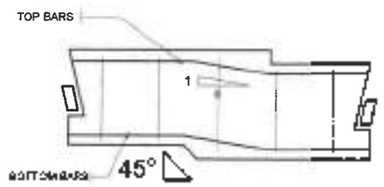
1 / S-7 CONSTRUCTION JOINT DETAIL
NOT TO SCALE



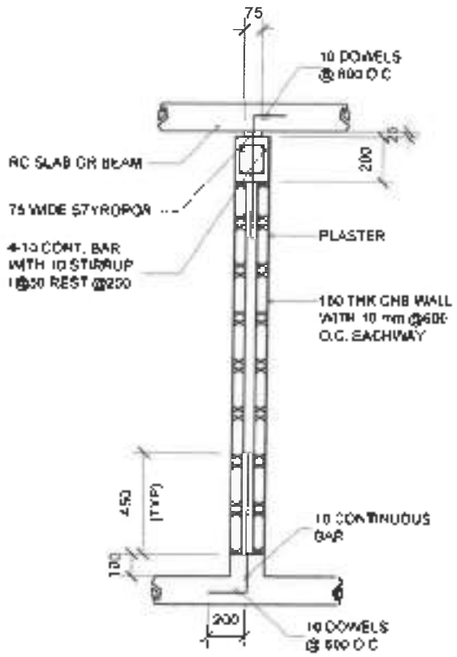
4 / S-7 CHB WALL IN TERSECTION WITH FLOOR BEAMS
NOT TO SCALE



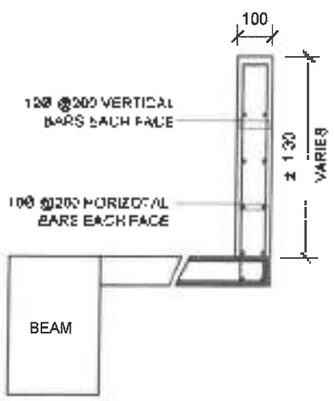
1 / S-7 CHB WALL ELEVATION & TYPICAL LINTEL BEAM DETAIL
NOT TO SCALE



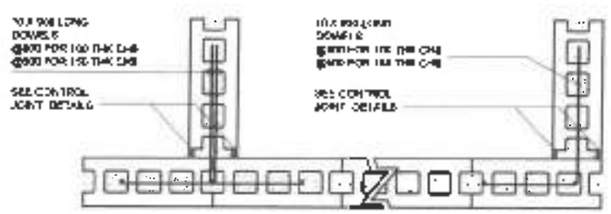
5 / D-7 CHANGE IN BEAM ELEVATION
NOT TO SCALE



1 / S-7 CONN. DETAIL 150 mm THK CHB WALL TO R.C. SLAB
NOT TO SCALE

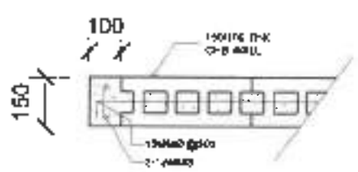


6 / S-7 DETAIL OF PARAPET CONCRETE WALL
NOT TO SCALE



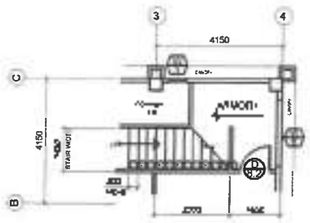
11 / S-7 CHB PLAN AT CORNER & INTERSECTIONS
NOT TO SCALE

10 / S-7 CHB WALL SECTION
NOT TO SCALE

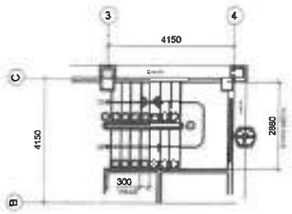


14 / S-7 DETAIL AT DOOR OPENING
NOT TO SCALE

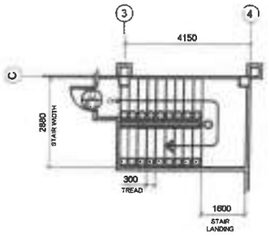
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS NORTHERN SAMAR FIRST DISTRICT ENGINEERING OFFICE	PROJECT NAME & LOCATION CONSTRUCTION OF POLICE STATION IN SAN VICENTE, NORTHERN SAMAR	SHEET CONTENTS SUSPENDED SLAB CONSTRUCTION JOINT DETAIL CHB WALL IN TERSECTION WITH FLOOR BEAMS CHANGE IN BEAM ELEVATION TYPICAL CONSTRUCTION JOINTS CONSTRUCTION JOINT DETAIL CHB WALL ELEVATION & TYPICAL LINTEL BEAM DETAIL LINTEL BEAM SCHEDULE DETAIL AT DOOR OPENING CONN. DETAIL 150 mm THK CHB WALL TO R.C. SLAB	DRAWN BY DESIGNED	REVIEWED ENGR. CHIEF, PROJECT ENGINEERING DIV.	REVIEWED ANDY S. ERLINO CHIEF, PROJECT MANAGEMENT DIV.	RECOMMENDED: ARCHITECT III ASST. DISTRICT ENGINEER	APPROVED: ALVIN A. IGNACIO DISTRICT ENGINEER	SET No S-7 8	SHEET No 20 34



GROUND FLOOR PLAN

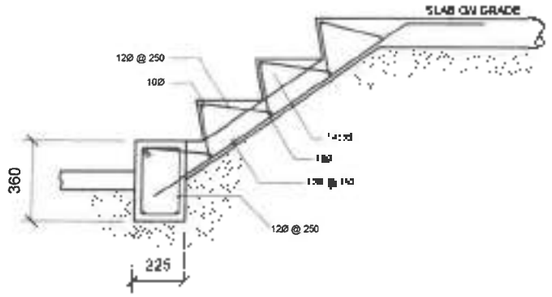


SECOND FLOOR PLAN

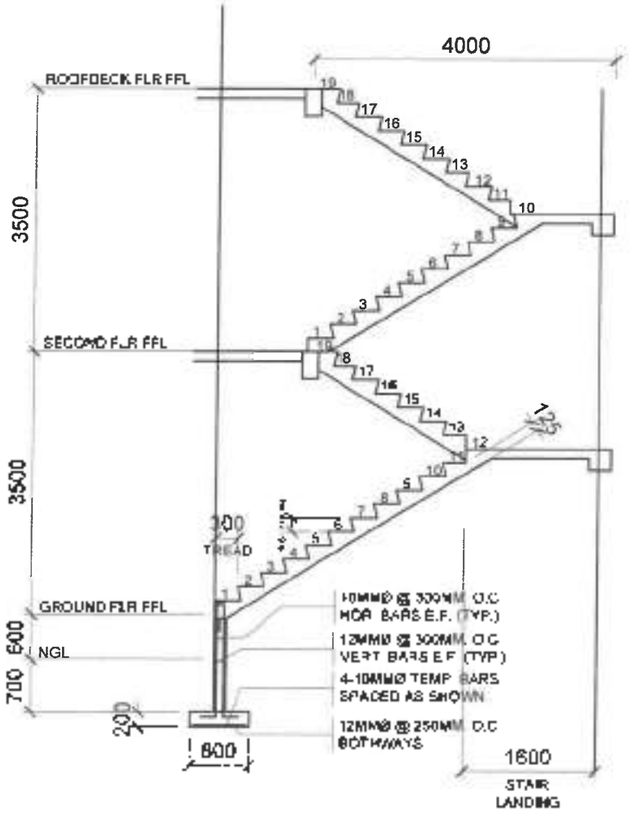


ROOFDECK FLOOR PLAN

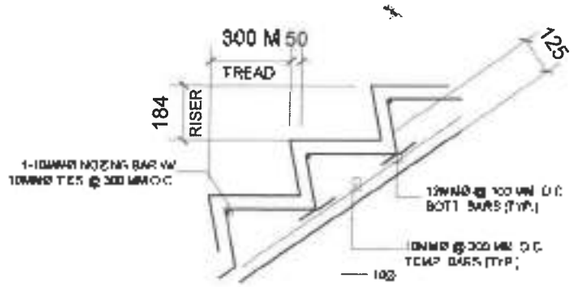
1 S-8 **STAIR PLAN**
SCALE 1:100



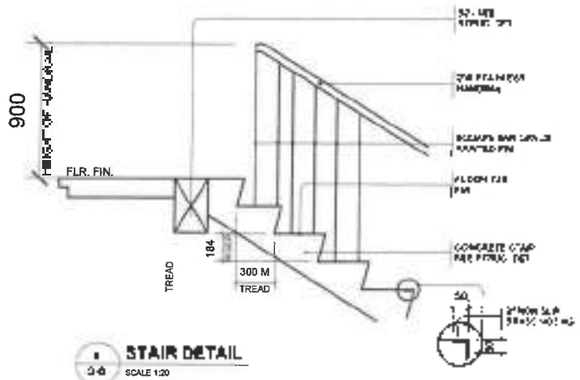
5 S-8 **MAIN STAIR (PORCH) ENTRY**



3 S-8 **STAIR ELEVATION**
SCALE 1:50

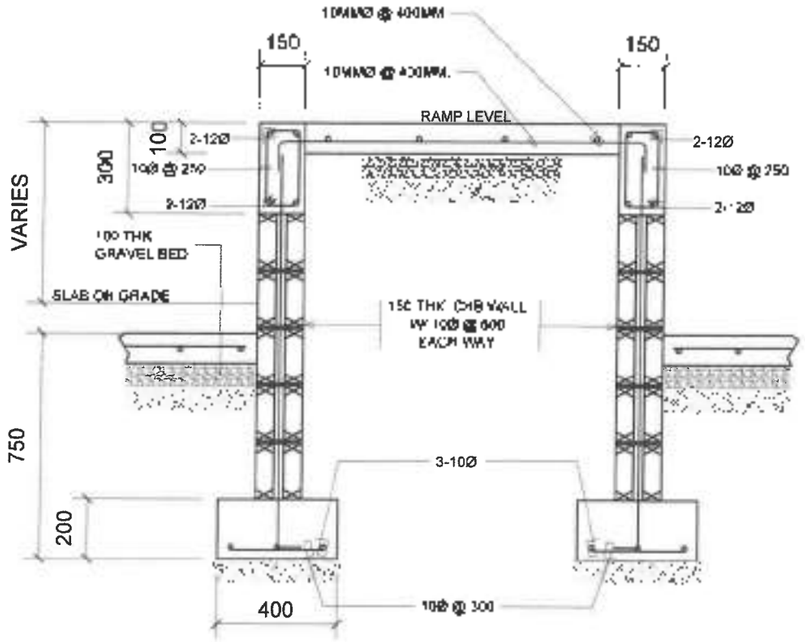


1 S-8 **STEPS DETAIL**
SCALE 1:5



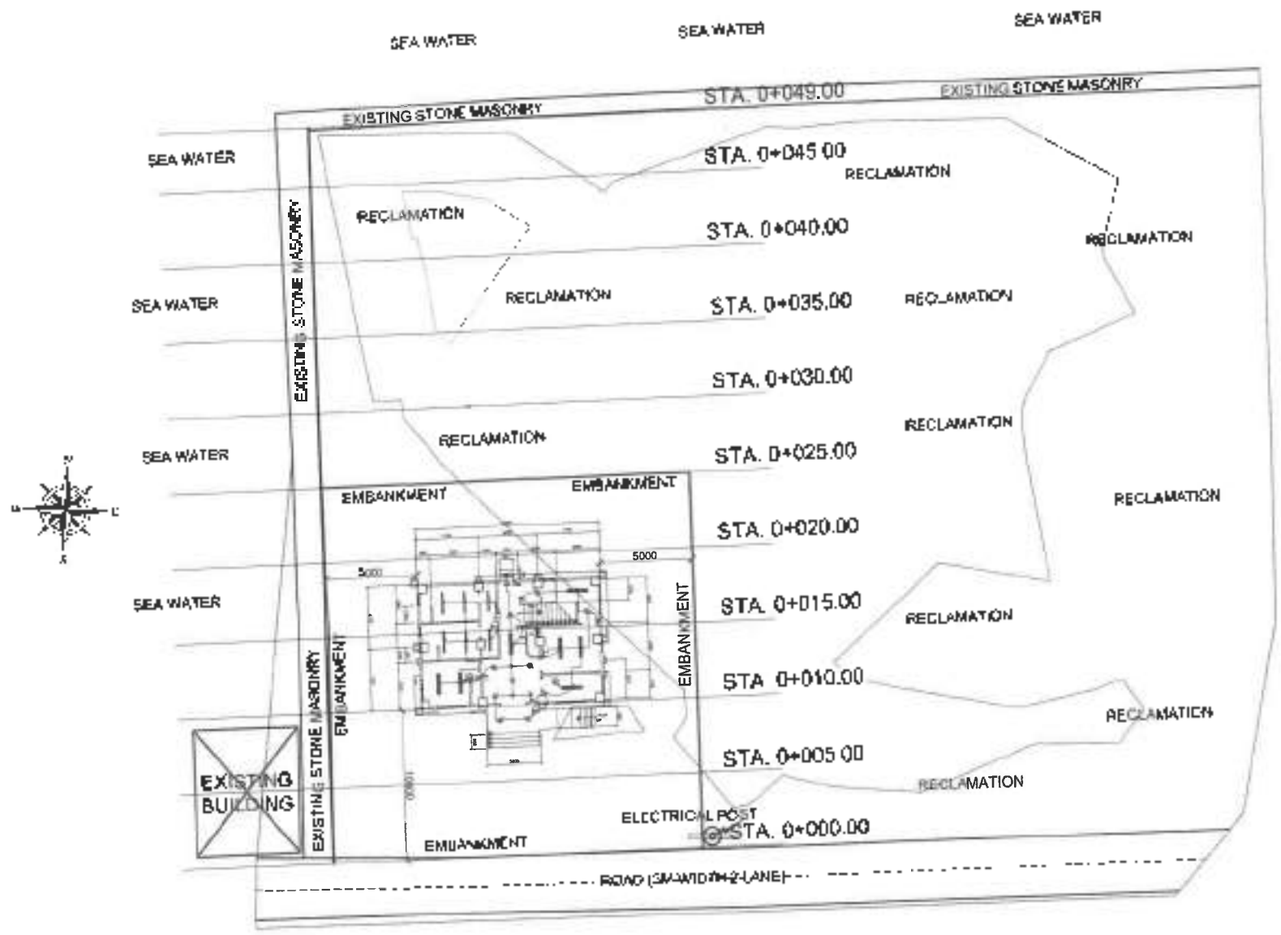
1 S-8 **STAIR DETAIL**
SCALE 1:20

3 S-8 **TYPICAL HANDRAIL DETAIL**
SCALE 1:20



2 S-8 **RAMP DETAIL**
SCALE 1:15

Republic of the Philippines DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS REGIONAL OFFICE No. VIII NORTHERN SAMAR FIRST DISTRICT ENGINEERING OFFICE Catarman, Northern Samar	PROJECT NAME & LOCATION: CONSTRUCTION OF POLICE STATION IN SAN VICENTE, NORTHERN SAMAR San Vicente, Northern Samar	SHEET CONTENTS: STAIR PLAN MAIN STAIR (PORCH ENTRY STEPS DETAIL STAIR ELEVATION STAIR DETAIL TYPICAL HANDRAIL DETAIL RAMP DETAIL	DRAFTED: BERNARD B. CRETA Draftsman I CHECKED: JEFF F. PEDROLA Engineer II	REVIEWED: MARI DONALD M. ROMAN Asst. Chief, Planning & Design Section Date	SUBMITTED: ANDY B. ERMITO Chief, Planning & Design Section Date	RECOMMENDED: ARNIA A. ALMADO Asst. District Engineer Date	APPROVED: ALVIN A. IGNACIO District Engineer Date	SET no. S-8 8	SHEET no. 21 34



1 E-1 **SITE DEVELOPMENT PLAN**
SCALE 1 : 200

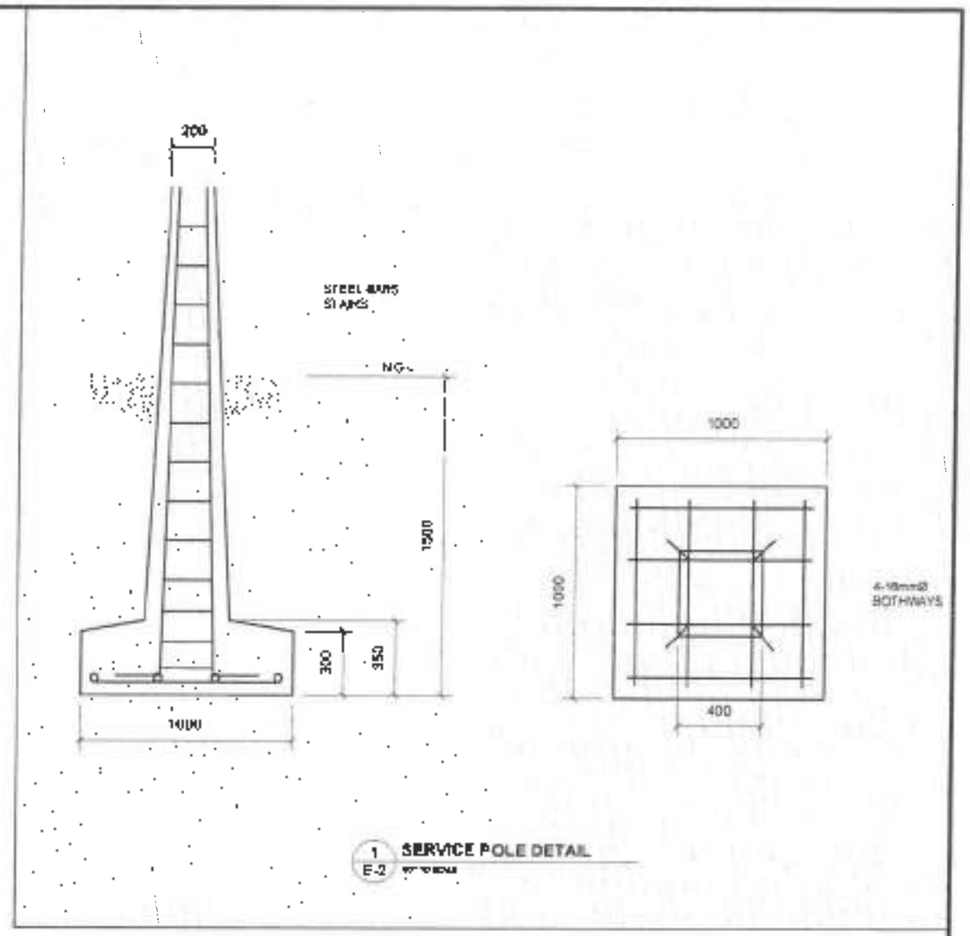
Republic of the Philippines DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS Regional Office No. VIII NORTHERN SAMAR FIRST DISTRICT ENGINEERING OFFICE Catarman, Northern Samar	PROJECT NAME & LOCATION CONSTRUCTION OF POLICE STATION IN SAN VICENTE, NORTHERN SAMAR San Vicente, Northern Samar	SHEET CONTENTS: SITE DEVELOPMENT PLAN	DRAFTED: ENGINEER I	REVIEWED: MAR DOMALO M. EMAY ASST. CHIEF, PLANNING & DESIGN SECTION	SUBMITTED ANDY S. EFERO CHIEF, PLANNING & DESIGN SECTION	RECOMMENDED VIVIAN B. BUCO ASST. DISTRICT ENGINEER	APPROVED ALVIN A. IGNACIO DISTRICT ENGINEER	SHEET No. E-1 5	SHEET No. 22 34
			DESIGNED: MARY JOY L. CORTEZ ENGINEER I						

GENERAL NOTES & SPECIFICATIONS:

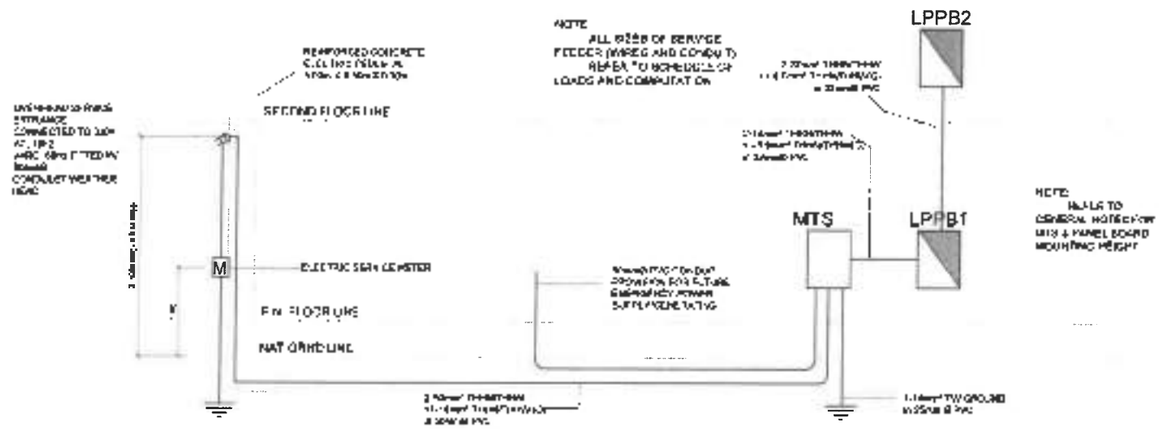
1. THIS PROJECT INCLUDES THE SUPPLY AND INSTALLATION OF ELECTRICAL ROUGH-IN COMPONENTS ONLY, SUCH AS PVC CONDUITS, JUNCTION/OUTLET/SWITCH BOXES, UTILITY BOXES, PULL BOXES, AND ACCESSORIES, INSTALLED IN WALLS, SLABS, COLUMNS AND CEILINGS. WORK EXCLUDES PULLING OF WIRES, TERMINATION, AND INSTALLATION OF WIRING DEVICES AND FIXTURES.
2. ALL MATERIALS AND WORKMANSHIP SHALL COMPLY WITH THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE (PEC), AND RELEVANT LOCAL GOVERNMENT AND SITE SAFETY REGULATIONS. INSTALLATION MUST ALSO CONSIDER COORDINATION WITH STRUCTURAL, ARCHITECTURAL, AND PLUMBING PROVISIONS.
3. ALL CONDUITS USED SHALL BE PVC SCHEDULE 40, ORANGE OR GRAY TYPE, ELECTRICAL GRADE, SIZED ACCORDING TO THE NUMBER AND SIZE OF CONDUCTORS AS PER PEC TABLES. BOXES SHALL BE PVC OR GALVANIZED STEEL, WITH DIMENSIONS ADEQUATE FOR THE NUMBER OF DEVICES AND CONDUCTORS. USE ONLY APPROVED CONDUIT FITTINGS (E.G., COUPLINGS, ADAPTORS, ELBOWS) AND NON-CORROSIVE SUPPORT MATERIALS (STRAPS, HANGERS, CLAMPS). CONDUITS SHALL BE FREE OF CRACKS AND DEFORMITIES.
4. CONDUITS SHALL BE RUN CONCEALED IN SLABS, WALLS, AND CEILINGS UNLESS NOTED OTHERWISE, AND SHOULD AVOID CROSSING STRUCTURAL MEMBERS (BEAMS, FOOTINGS, REBARS) UNLESS COORDINATED. INSTALL CONDUITS WITH PROPER BENDS (USE LONG-RADIUS ELBOWS WHERE NEEDED) AND WITHOUT KINKS OR SHARP CORNERS. USE PULL BOXES OR JUNCTION BOXES WHERE REQUIRED BY CODE FOR LONG OR COMPLEX RUNS. ALL BOXES SHALL BE SECURELY MOUNTED, ALIGNED, AND POSITIONED FLUSH WITH WALL OR CEILING FINISHES. SEAL ALL OPEN ENDS OF CONDUITS DURING INSTALLATION TO PREVENT ENTRY OF MOISTURE AND DEBRIS. PROPER SPACING OF SUPPORTS MUST BE OBSERVED (PEC RECOMMENDS EVERY 1.5 M FOR PVC). STUB-OUTS FOR SWITCHES, OUTLETS, AND LIGHTS MUST BE CORRECTLY LOCATED, SECURELY FASTENED, AND IDENTIFIED BY TAG OR MARKING.
5. ALL BOX AND CONDUIT LOCATIONS SHOWN ON THE PLANS ARE DIAGRAMMATIC AND MUST BE VERIFIED AT SITE. INSTALLER MUST COORDINATE WITH OTHER TRADES (ARCHITECTURAL, PLUMBING, STRUCTURAL) AND RESOLVE POTENTIAL CONFLICTS BEFORE INSTALLATION. PROVIDE SLEEVES AND EMBEDMENTS AS REQUIRED. FOR CONDUIT RUNS PASSING THROUGH CONCRETE, ALL EMBEDDED CONDUITS IN SLABS OR WALLS MUST BE INSPECTED BEFORE POURING. CHANGES OR DEVIATIONS FROM THE PLAN MUST BE APPROVED BY THE ELECTRICAL ENGINEER OR SUPERVISING PROFESSIONAL.
6. MOUNTING HEIGHT OF BOXES FOR WIRING DEVICES SHALL BE AS FOLLOWS:
   - a. LIGHT SWITCH — 1400mm ABOVE FINISH FLOOR
   - b. CONVENIENCE OUTLET — 400mm ABOVE FINISH FLOOR
   - c. TELEPHONE OUTLET — 400mm ABOVE FINISH FLOOR
   - d. PANEL BOARD — 1800mm ABOVE FINISH FLOOR
7. ALL ROUGH-IN WORKS MUST BE INSPECTED AND APPROVED PRIOR TO CONCRETE POURING OR WALL FINISHING. PROTECT INSTALLED CONDUITS AND BOXES FROM PHYSICAL DAMAGE DURING ONGOING CONSTRUCTION. USE TEMPORARY COVERS, CAPS, OR WRAPS AS NEEDED. WORKERS MUST WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT (PPE) AND FOLLOW THE SITE'S HEALTH AND SAFETY POLICIES AT ALL TIMES.

LEGEND:

SYMBOL	DESCRIPTION
	SERVICE ENTRANCE
M	SERVICE METER
	1x18W LED TUBE IN BOX TYPE CASING
	2x18W LED TUBE IN 1'x4' CASING W/ DIFFUSER
	8W LED COVELIGHT/DOWNLIGHT
	LED EMERGENCY LIGHT
	DUPLEX CONVENIENCE OUTLET W/ GROUND
WP	DUPLEX CONVENIENCE OUTLET, WEATHER PROOF
ACU	SPECIAL PURPOSE OUTLET FOR ACU
	JUNCTION BOX
S	1-GANG SWITCH/SINGLE SWITCH
S	2-GANG SWITCH ON ONE PLATE
S	3-GANG SWITCH ON ONE PLATE
S	3-WAY SWITCH
MTS	MANUAL TRANSFER SWITCH
LPPB-1	LIGHTING & POWER PANELBOARD - 1
	CIRCUIT HOMERUN
	CKT. BREAKER, RATING AS INDICATED
	TELEVISION CABLE OUTLET
	TELEPHONE NODE
	LAN/INTERNET OUTLET
	TV CABLE DISC ANTENNA
FVC	SPLITTER ON PULL BOX
RTR	LAN ROUTER
TTB	TELEPHONE TERMINAL BOX



1 / E-2 SERVICE POLE DETAIL
NOT TO SCALE



NOTE
ELECTRICAL ROUGH-INS ONLY

2 / E-2 SERVICE ENTRANCE DETAIL
NOT TO SCALE

Republic of the Philippines DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS Regional Office No. VIII NORTHERN SAMAR FIRST DISTRICT ENGINEERING OFFICE Catarman, Northern Samar	PROJECT NAME & LOCATION CONSTRUCTION OF POLICE STATION IN SAN VICENTE, NORTHERN SAMAR San Vicente, Northern Samar	SHEET CONTENTS GENERAL NOTES LEGENDS SERVICE POLE DETAIL SERVICE ENTRANCE DETAIL	DRAFTED BRYAN B. DATA DESIGNED MARY JOY U. CERRADO Engineer II	REVIEWED MARK DONALD R. EBRAN Actg. Chief, Planning & Design Section Date	SUBMITTED ANDY S. ERAÑO Chief, Buildings Design Section Date	RECOMMENDED VIVIAN R. CERRADO Chief, Planning & Design Section Date	APPROVED ALVIN G. IGNACIO District Engineer Date	SHEET No. E-2 5	SHEETS No. 23 36