Invitation to Bid for the Construction of Abaca Processing Center in Josefina, Zamboanga del Sur

Annex A

DETAILED ENGINEERING DESIGN

REVISION NO. 0

REPUBLIC OF THE PHILIPPINES
PHILIPPINE FIBER INDUSTRY DEVELOPMENT AUTHORITY
CENTRAL OFFICE
3/F DA-PCAF BLDG., DEPARTMENT OF AGRICULTURE,
ELLIPTICAL RD., DILIMAN, QUEZON CITY

C.Y. 2024 PROJECT
DETAILED ENGINEERING DESIGN PLAN FOR

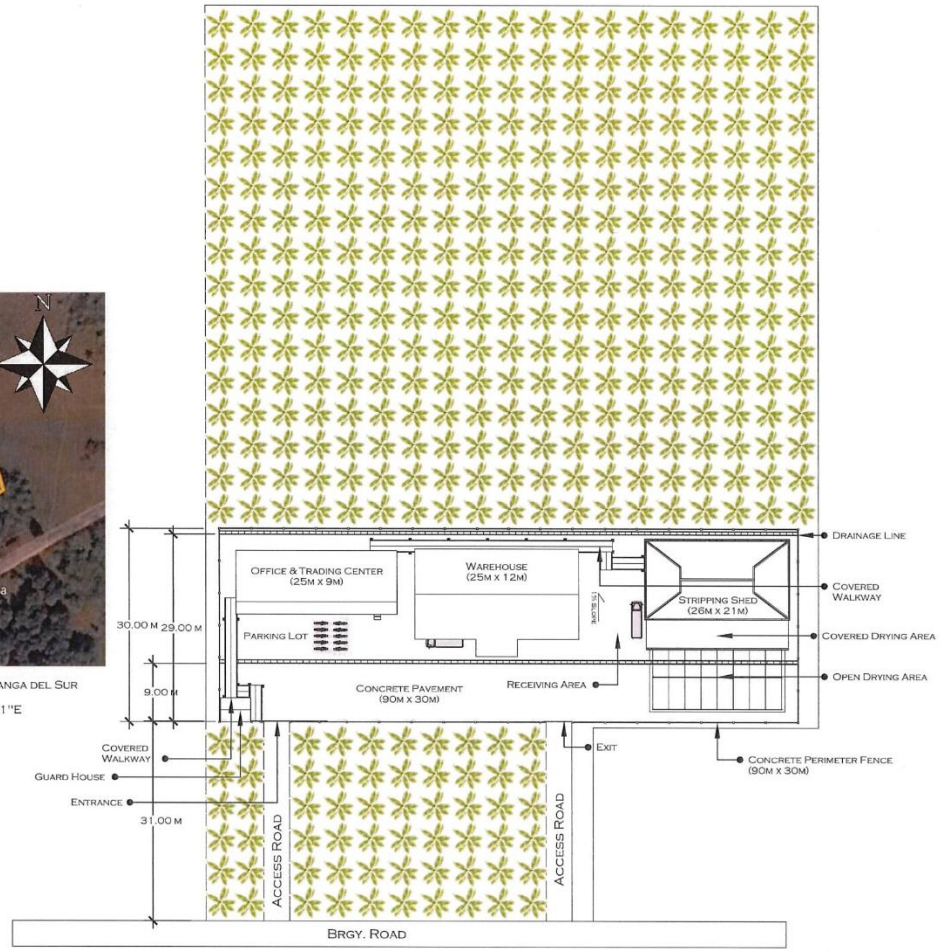
CONSTRUCTION OF ABACA PROCESSING CENTER UNDER HIBLA FARMING

JOSEFINA, ZAMBOANGA DEL SUR

DRAWN/PREPARED BY:	REVIEWED BY:	RECOMMENDING APPROVAL:	APPROVED BY:
ENGR. LIAM ROBER A. LAGARTO / ENGR. RAYA JILL ANN P. PERIA ENGINEER I / ENGINEER I	ENGR. ROMY ALVIN D. DOMINGO FIBER DEVELOPMENT OFFICER II/HEAD, EPDSS	ALMA MARIA K. SANTOS OIC, INTERIM FIBER ENGINEERING DIVISION	EVELYN B. CAGASAN, MM OIC, EXECUTIVE DIRECTOR
DATE:	DATE:	DATE:	DATE:

LOCATION: BRGY. LEONARDO, JOSEFINA, ZAMBOANGA DEL SUR

COORDINATES: 8°12'29"N; 123°32'31"E



ABACA PROCESSING CENTER

SITE DEVELOPMENT PLAN & VICINITY MAP

A | A1 | A11

SCALE (A3) NTS

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REPUBLIC OF THE PHILIPPINES
OFFICE OF THE BUILDING OFFICIAL

MUNICIPAL ENGINEER

LAND USE & ZONING

ARCHITECTURAL

STRUCTURAL

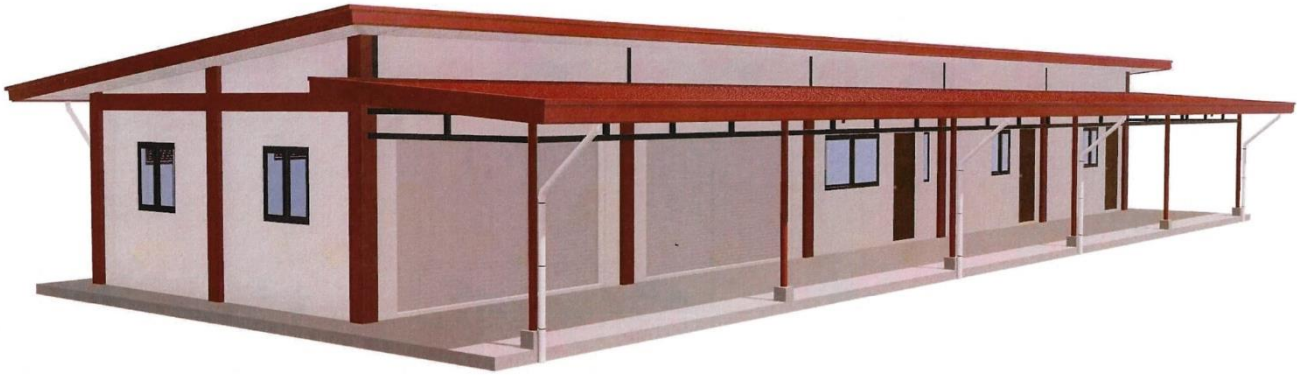
ELECTRICAL

MECHANICAL

SANITARY & PLUMBING

GEODETIC

OWNER	PROJECT TITLE/LOCATION	SHEET CONTENT	DRAWN/PREPARED BY:	REVIEWED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET NO
PHILIPPINE FIBER INDUSTRY DEVELOPMENT AUTHORITY 3/F DA-PCAF BLDG. DEPARTMENT OF AGRICULTURE, ELLIPTICAL ROAD, DILIMAN, QUEZON CITY	ABACA PROCESSING CENTER BUILDINGS/FACILITIES UNDER HIBLA FARMIING JOSEFINA, ZAMBOANGA DEL SUR	AS SHOWN	ENGR. LIAM ROBER A. LAGARTO ENGINEER I PROFESSION: AGRICULTURAL AND BIOSYSTEMS ENGINEER PRC LICENSE #: 0011377 VALIDITY: 11/07/24	ENGR. ROMY ALVIN D. DOMINGO FIBER DEVELOPMENT OFFICER II / HEAD, EPDSS PROFESSION: AGRICULTURAL AND BIOSYSTEMS ENGINEER PRC LICENSE #: 0007674 VALIDITY:	ALMA MARIA K. SANTOS OIC, INTERIM FIBER ENGINEERING DIVISION	EVELYN B. CAGASAN, MM OIC, EXECUTIVE DIRECTOR	A1 1 | 1



1 / A-1 PERSPECTIVE VIEW

SCALE NTS
SIZE A3

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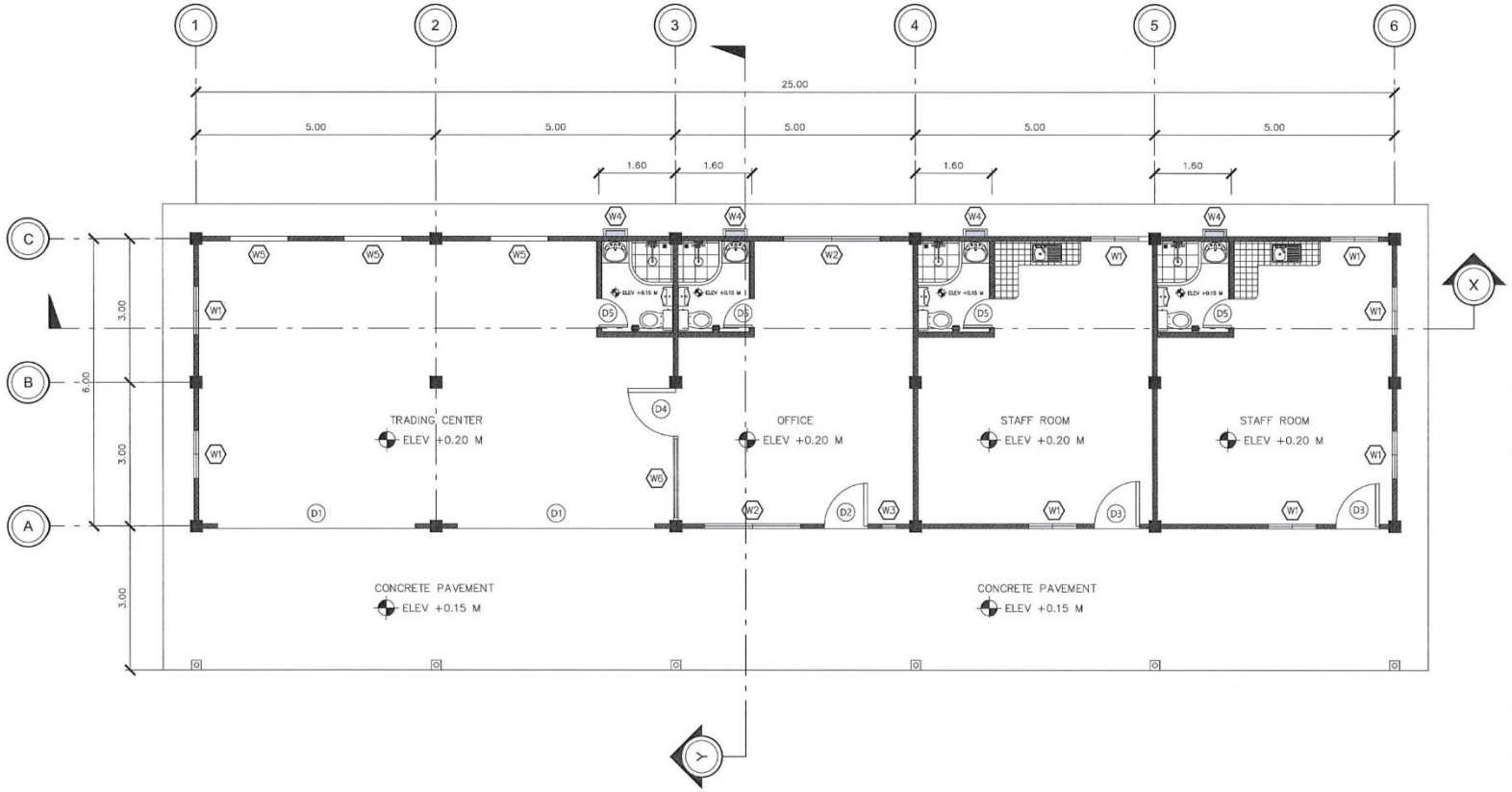
REPUBLIC OF THE PHILIPPINES
OFFICE OF THE BUILDING OFFICIAL

DISTRICT/CITY/MUNICIPALITY

CIVIL ENGINEER

OWNER:	PROJECT NAME/ LOCATION:	SHEET CONTENT:	DRAWN/PREPARED BY:	REVIEWED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET NO:
PHILIPPINE FIBER INDUSTRY DEVELOPMENT AUTHORITY 3/F DA-PCAF, DEPARTMENT OF AGRICULTURE ELLIPTICAL ROAD, DILIMAN QUEZON CITY	ABACA PROCESSING CENTER UNDER HIBLA FARMING TRADING CENTER/ OFFICE BUILDING JOSEFINA, ZAMBOANGA DEL SUR	AS SHOWN	ENGR. RAYA JILLANN P. PERIA ENGINEER I PROFESSION: AGRICULTURAL AND BIOSYSTEMS ENGINEER PRC REG. NO.: 0111101 VALID UNTIL: NOVEMBER 27, 2024	ENGR. ROMY ALVIN D. DOMINGO FIBER DEVELOPMENT OFFICER II/ HEAD, EPDSS PROFESSION: AGRICULTURAL AND BIOSYSTEMS ENGINEER PRC REG. NO.: 0007674 VALID UNTIL:	ALMA MARIA K. SANTOS OIC, INTERIM FIBER ENGINEERING DIVISION	EVELYN B. CAGASAN, MM OIC, EXECUTIVE DIRECTOR	A-1 01 20



1 / A-2 FLOOR PLAN

SCALE 1:100 MTS
SIZE A3

REPUBLIC OF THE PHILIPPINES
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DISTRICT/CITY/MUNICIPALITY

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LEGENDS:

D / DOOR NO.	DOOR SCHEDULE
W / WINDOW NO.	WINDOW SCHEDULE
	FLOOR ELEVATION
	0.15 M THICK CONCRETE WALL
C1F1	250X250 MM CONCRETE COLUMN W/ 1.20X1.20MX150MM THICK FOUNDATION
C2F2	150X150X300MM CONCRETE COLUMN W/ 500X500X150MM THICK FOUNDATION
WF–1	WALL FOOTING WITH 4" THICK CHB
FTB–1	250X200MM FOOT TIE BEAM
RB–1	250X200MM ROOF BEAM

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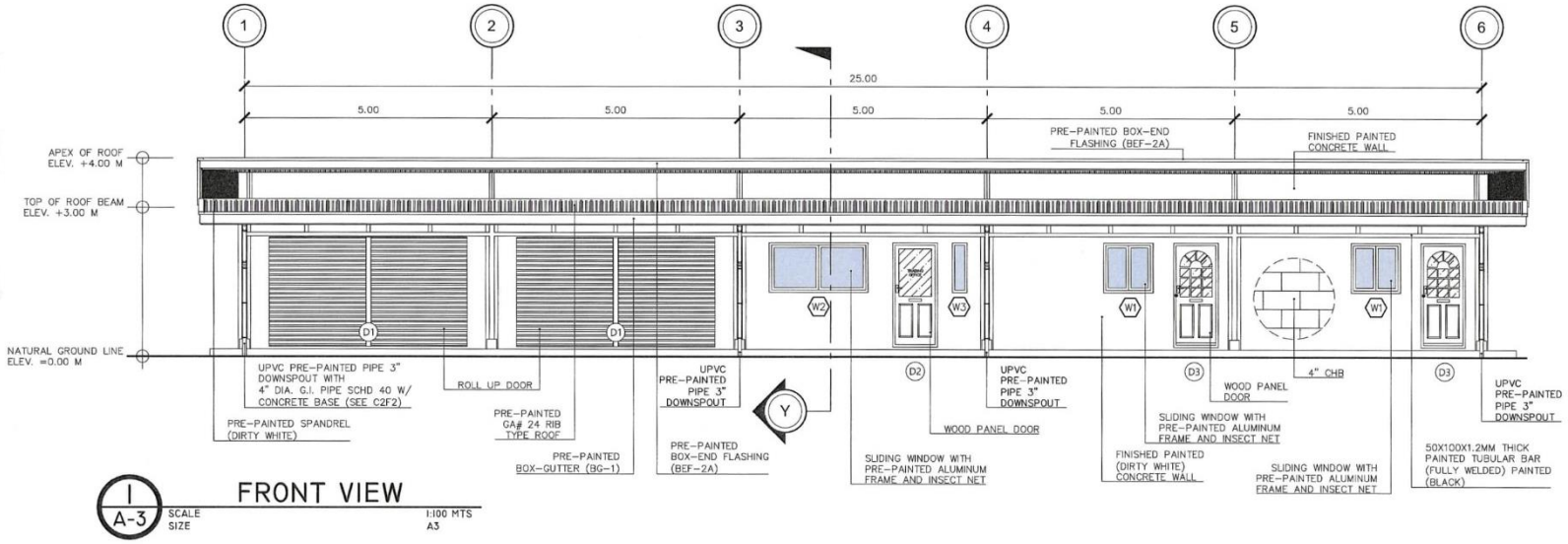
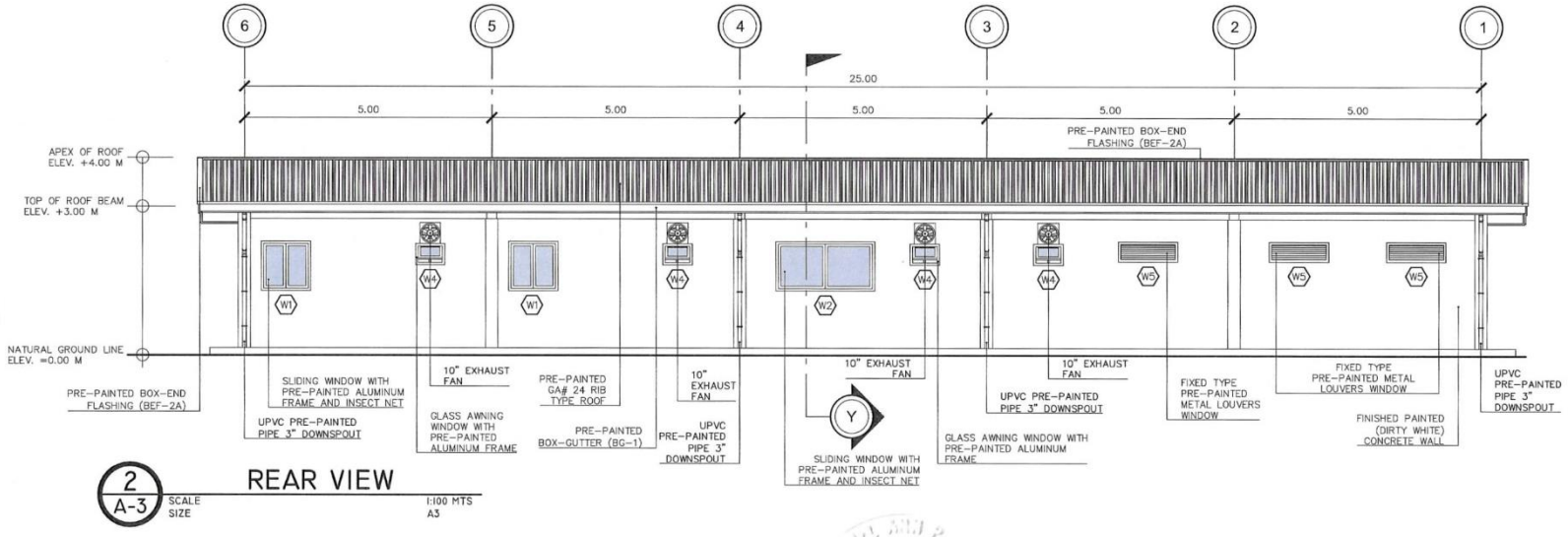


1 / A-3 FRONT VIEW

SCALE 1:100 MTS
SIZE A3



2 / A-3 REAR VIEW

SCALE 1:100 MTS
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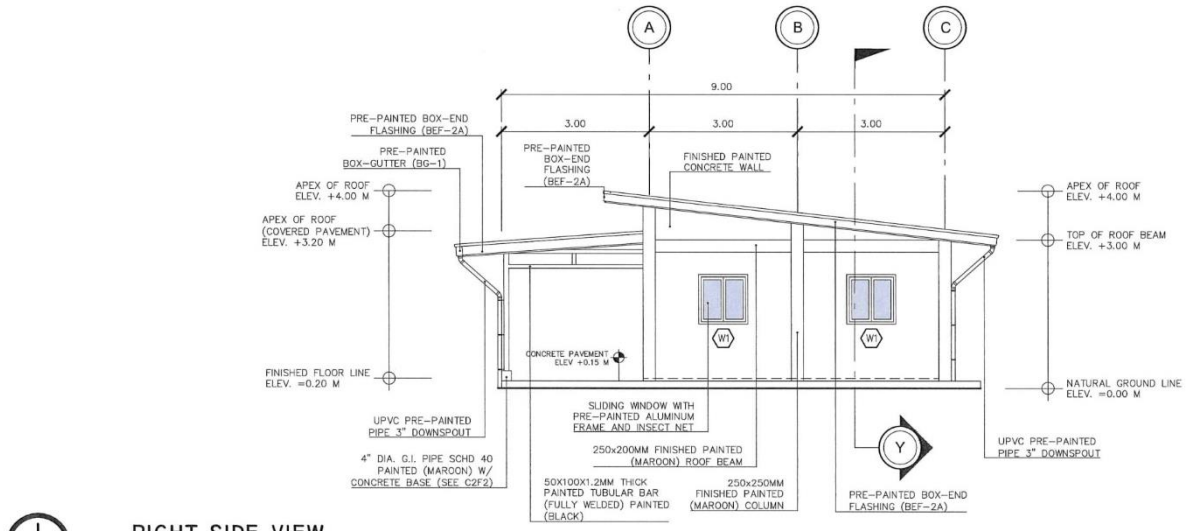
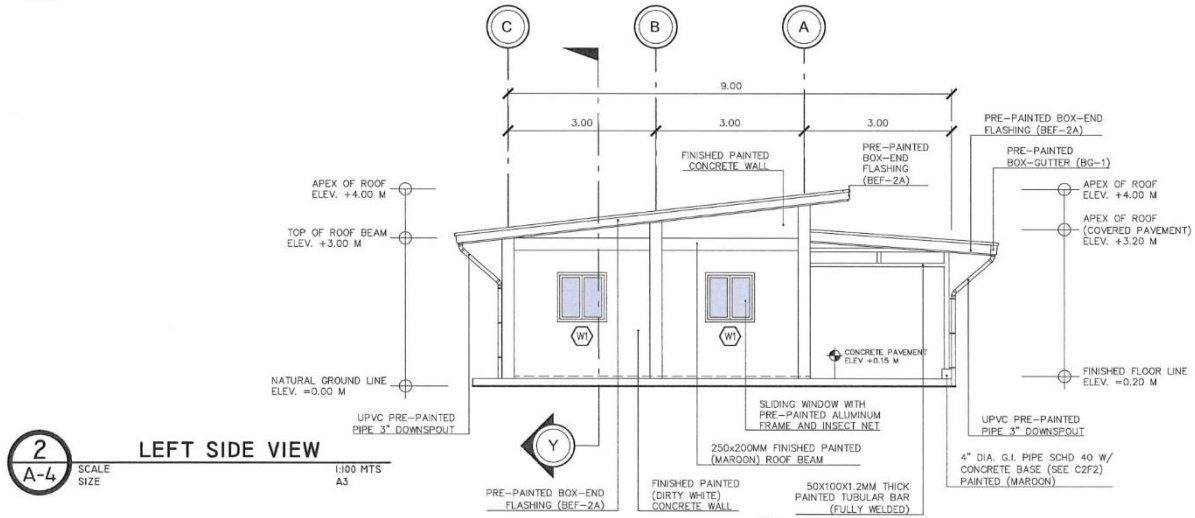


1 / A-4 RIGHT SIDE VIEW

SCALE 1:100 MTS
SIZE A3



2 / A-4 LEFT SIDE VIEW

SCALE 1:100 MTS
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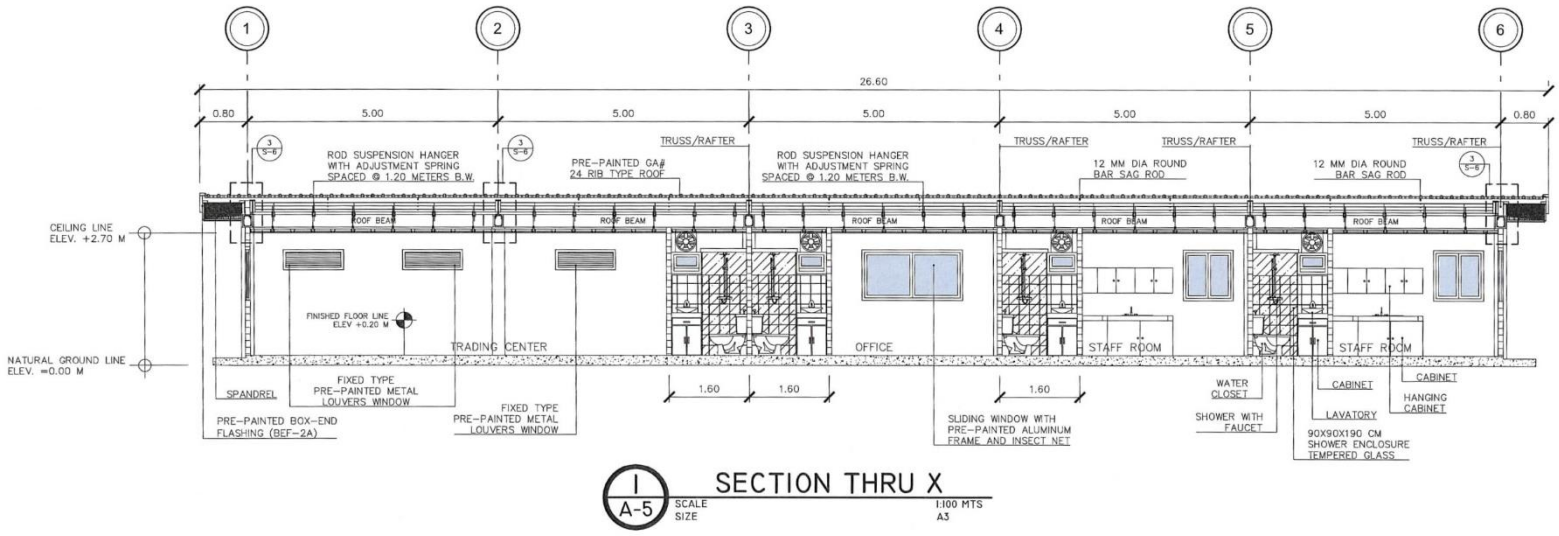
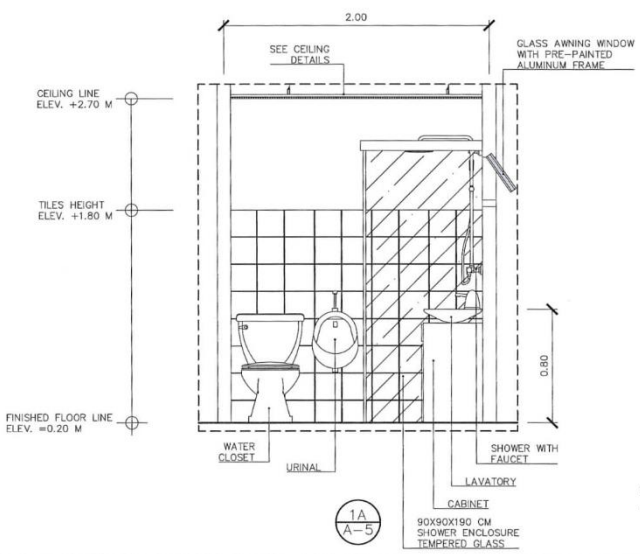
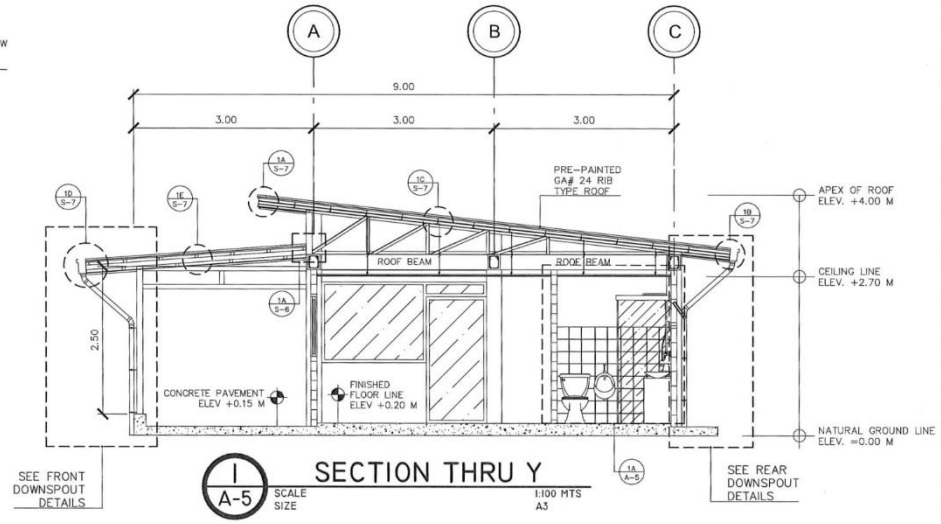


I / A-5 SECTION THRU X

SCALE 1:100 MTS
SIZE A3





I / A-5 SECTION THRU Y

SCALE 1:100 MTS
SIZE A3

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OFFICE OF THE BUILDING OFFICIAL

DISTRICT/CITY/MUNICIPALITY

CIVIL ENGINEER

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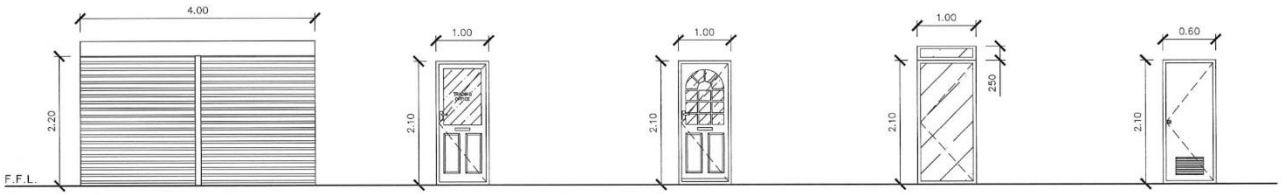


D 1 — ROLL-UP DOOR
REQUIREMENTS: 2 SETS

HEAVY-DUTY MANUAL ROLL-UP DOOR COMPLETE WITH HARDWARE AND ACCESSORIES.

D 2 — WOOD PANEL DOOR
REQUIREMENTS: 1 SETS

WOOD PANEL SWING DOOR ON 50X100 MM THICK CONCRETE JAMB WITH FIXED CLEAR TRANSOM COMPLETE WITH HARDWARE AND ACCESSORIES CYLINDER TYPE LOCKSET.

D 3 — WOOD PANEL DOOR
REQUIREMENTS: 2 SETS

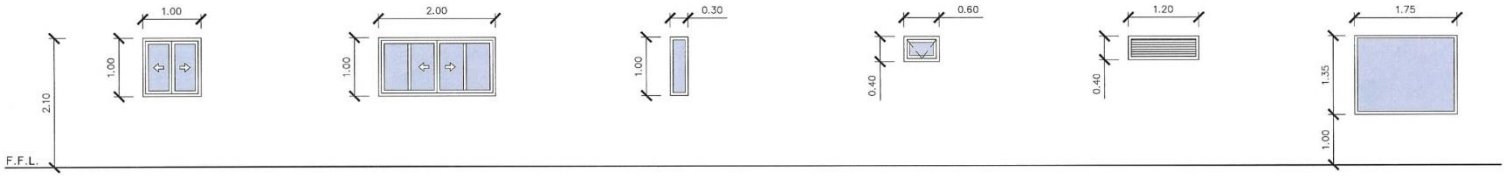
WOOD PANEL SWING DOOR ON 50X100 MM THICK CONCRETE JAMB WITH FIXED CLEAR TRANSOM COMPLETE WITH HARDWARE AND ACCESSORIES CYLINDER TYPE LOCKSET.

D 4 — GLASS DOOR
REQUIREMENTS: 1 SETS

¼ THICK FIXED GLASS SWING DOOR WITH 50X100 MM ALUMINUM JAMB WITH FIXED CLEAR TRANSOM COMPLETE HARDWARE AND ACCESSORIES WITH HIGH QUALITY LOCK SET.

D 5 — PVC DOOR
REQUIREMENTS: 4 SETS

HALLOW PVC FLUSH TYPE SWING DOOR WITH JAMB AND LOUVER WITH HARDWARE AND ACCESSORIES WITH HIGH QUALITY DOOR KNOB.



W 1 — SLIDING WINDOW
REQUIREMENTS: 8 SETS

6MM THICK CLEAR GLASS SLIDING WINDOW WITH PRE-PAINTED ALUMINUM FRAME AND INSECT NET.

W 2 — SLIDING WINDOW
REQUIREMENTS: 2 SETS

6MM THICK CLEAR GLASS SLIDING WINDOW WITH PRE-PAINTED ALUMINUM FRAME AND INSECT NET.

W 3 — FIXED WINDOW
REQUIREMENTS: 1 SET

6MM THICK CLEAR FIXED GLASS WITH PRE-PAINTED ALUMINUM FRAME.

W 4 — AWNING WINDOW
REQUIREMENTS: 4 SETS

6MM THICK CLEAR GLASS AWNING WINDOW WITH PRE-PAINTED ALUMINUM FRAME

W 5 — METAL LOUVERS
REQUIREMENTS: 3 SETS

FIXED TYPE PRE-PAINTED METAL FRAME AND BLADES.

W 6 — FIXED WINDOW
REQUIREMENTS: 1 SETS

6MM THICK CLEAR FIXED GLASS WITH PRE-PAINTED ALUMINUM FRAME.

I / A-6 SCHEDULE OF DOORS & WINDOWS

SCALE: NTS
SIZE: A3

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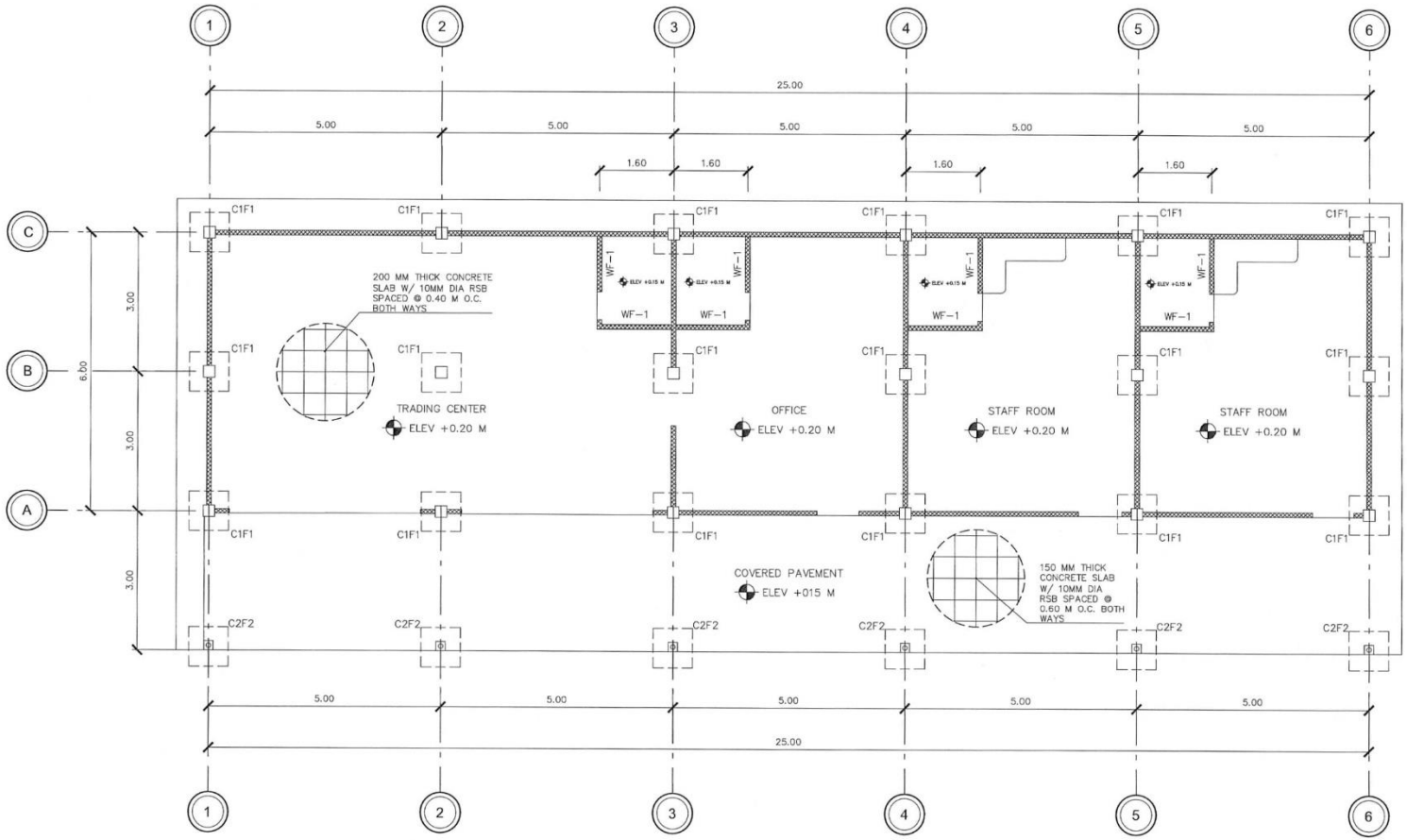
PHILIPPINE FIBER INDUSTRY DEVELOPMENT AUTHORITY 3/F DA-PCAF, DEPARTMENT OF AGRICULTURE ELLIPTICAL ROAD, DILIMAN QUEZON CITY	ABACA PROCESSING CENTER UNDER HIBLA FARMING TRADING CENTER/ OFFICE BUILDING JOSEFINA, ZAMBOANGA DEL SUR	AS SHOWN	ENGR. RAYA JILL ANN P. PERIA ENGINEER I PROFESSION: AGRICULTURAL AND BIOSYSTEMS ENGINEER PRC REG. NO.: 0011101 VALID UNTIL: NOVEMBER 27, 2024	ENGR. ROMY ALVIN D. DOMINGO FIBER DEVELOPMENT OFFICER II/ HEAD, EPDSS PROFESSION: AGRICULTURAL AND BIOSYSTEMS ENGINEER PRC REG. NO.: 0007674 VALID UNTIL:	ALMA MARIA K. SANTOS OIC, INTERIM FIBER ENGINEERING DIVISION	EVELYN B. CAGASAN, MM OIC, EXECUTIVE DIRECTOR	A-6 06 20



FOUNDATION PLAN

I / S-I — SCALE 1:100 MTS, SIZE A3

REPUBLIC OF THE PHILIPPINES
OFFICE OF THE BUILDING OFFICIAL

DISTRICT/CITY/MUNICIPALITY

CIVIL ENGINEER

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LEGENDS:

D / DOOR NO.	DOOR SCHEDULE
W / WINDOW NO.	WINDOW SCHEDULE
	FLOOR ELEVATION
	0.15 M THICK CONCRETE WALL
C1F1	250X250 MM CONCRETE COLUMN W/ 1.20X1.20MX150MM THICK FOUNDATION
C2F2	150X150X300MM CONCRETE COLUMN W/ 500X500X150MM THICK FOUNDATION
WF-1	WALL FOOTING WITH 4" THICK CHB
FTB-1	250X200MM FOOT TIE BEAM
RB-1	250X200MM ROOF BEAM

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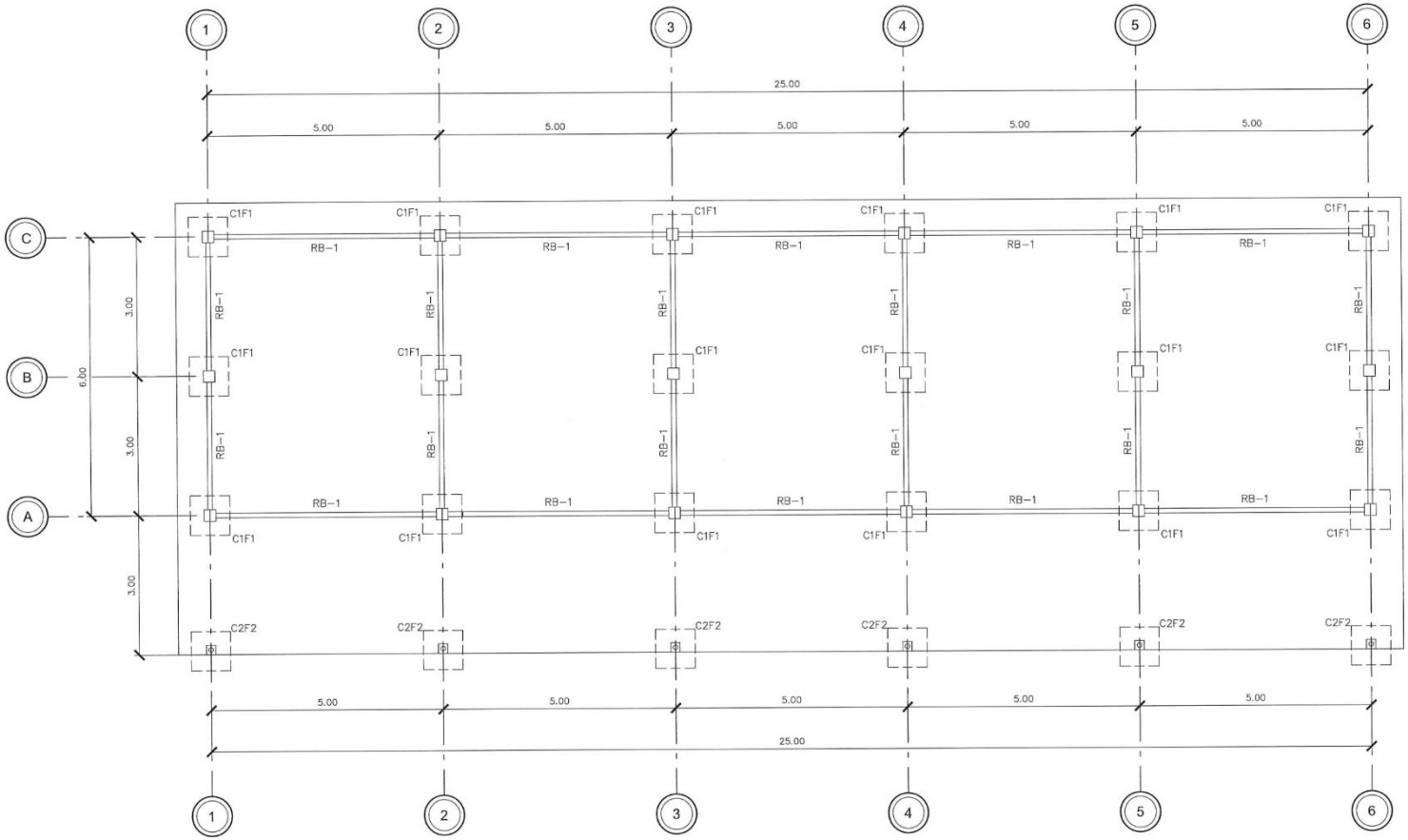

I / S-2 ROOF BEAM PLAN

SCALE 1:100 MTS
SIZE A3

REPUBLIC OF THE PHILIPPINES
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DISTRICT/CITY/MUNICIPALITY

CIVIL ENGINEER

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WF–1	WALL FOOTING WITH 4" THICK CHB
FTB–1	250X200MM FOOT TIE BEAM
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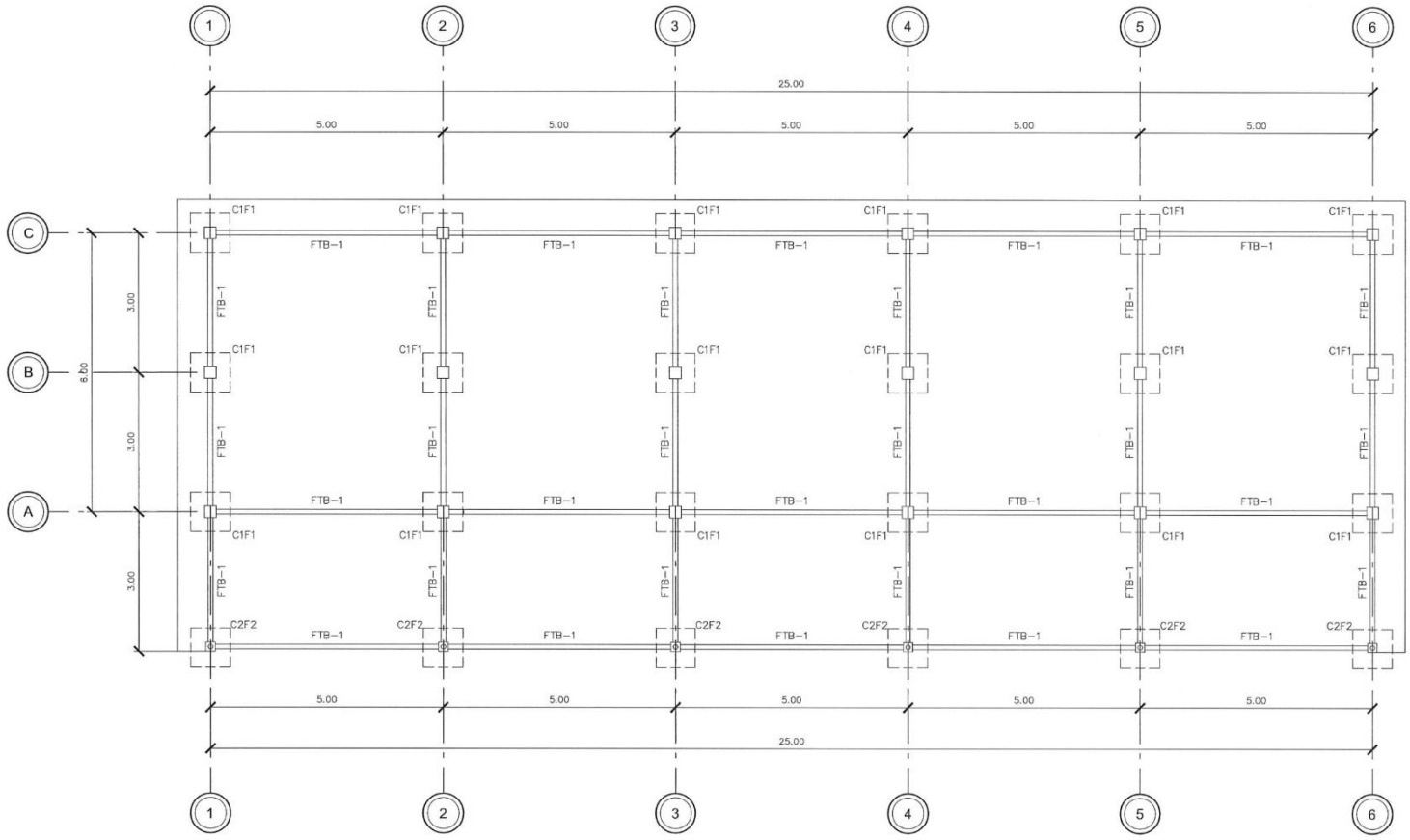

1 / S-3 FOOT TIE BEAM PLAN

SCALE 1:100 MTS
SIZE A3

REPUBLIC OF THE PHILIPPINES
OFFICE OF THE BUILDING OFFICIAL

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	0.15 M THICK CONCRETE WALL
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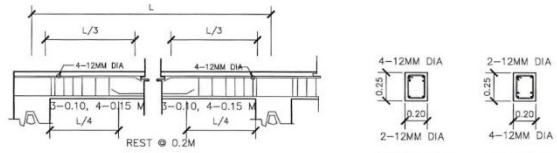
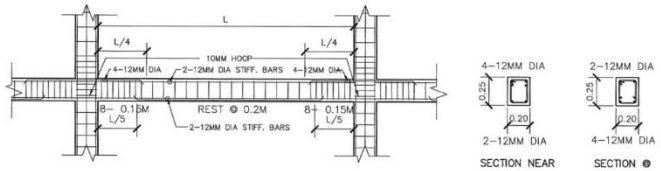


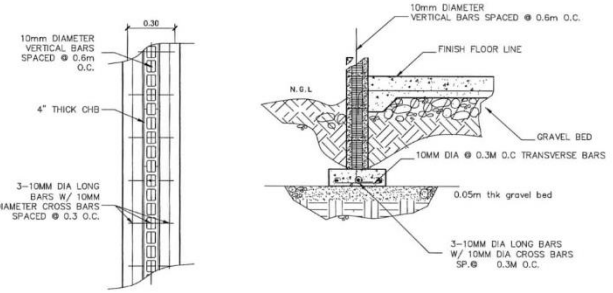
1 S-4 ROOF BEAM DETAILS

SCALE NTS
SIZE A3



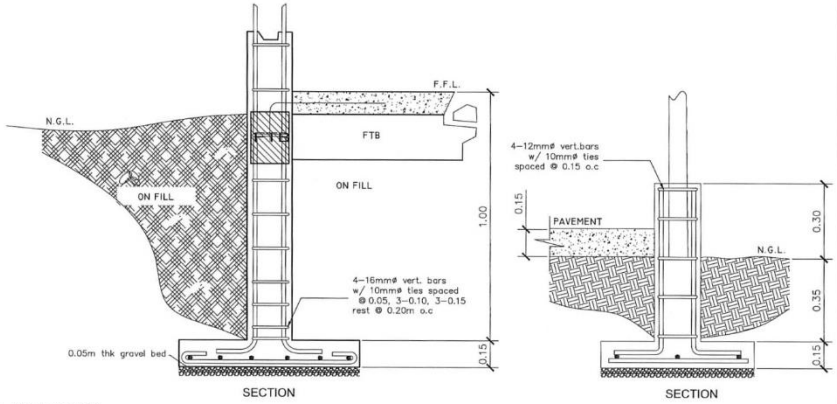
2 S-4 FOOT TIE BEAM DETAILS

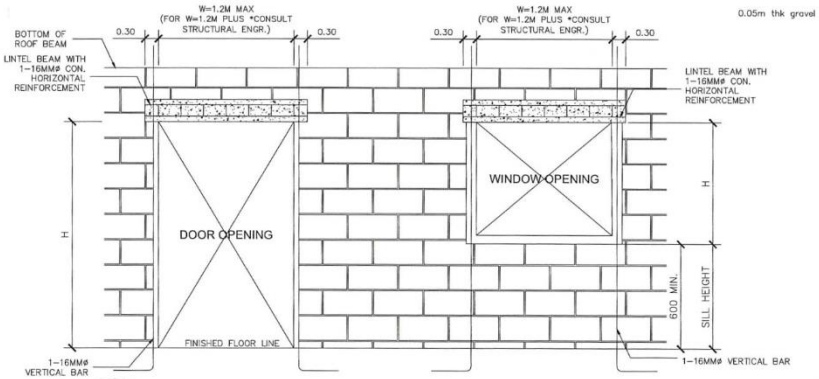
SCALE NTS
SIZE A3



3 S-4 WALL FOOTING DETAILS

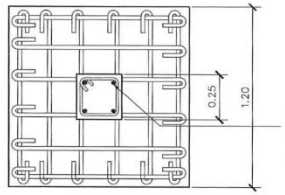
SCALE NTS
SIZE A3

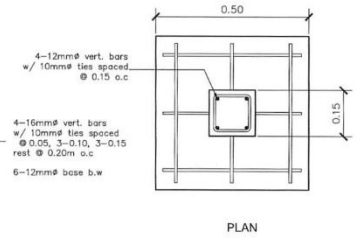




4 S-4 DOOR & WINDOW OPENING

SCALE NTS
SIZE A3





5 S-4 COLUMN FOOTING DETAILS

SCALE NTS
SIZE A3

REPUBLIC OF THE PHILIPPINES
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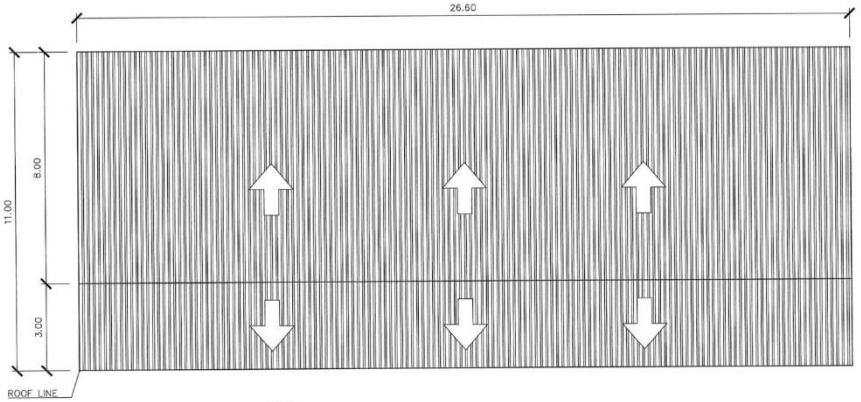
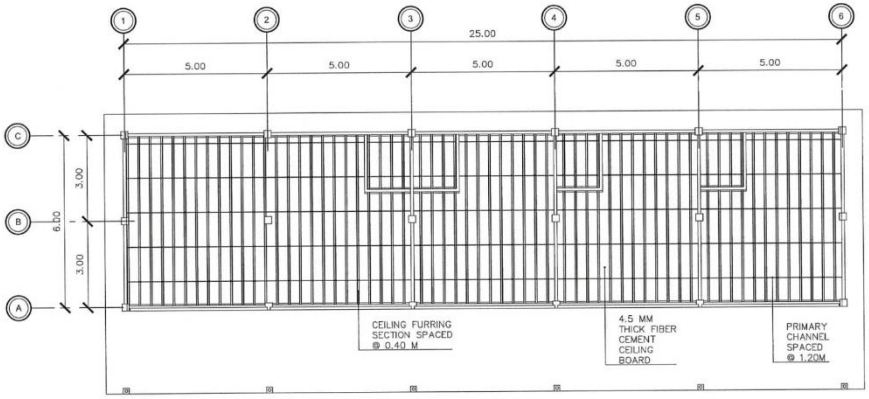
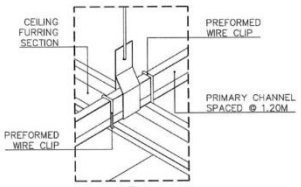


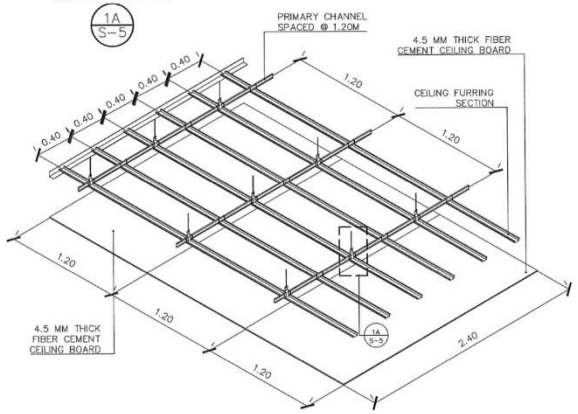
1 S-5 ROOF PLAN
SCALE 1:60 MTS
SIZE A3



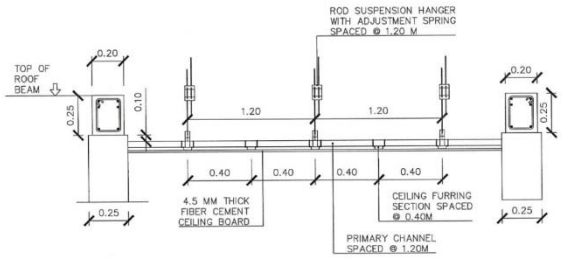
2 S-5 CEILING PLAN
SCALE 1:60 MTS
SIZE A3



1A S-5



3 S-5 PERSPECTIVE (CEILING)
SCALE NTS
SIZE A3



4 S-5 SECTION (CEILING)
SCALE NTS
SIZE A3

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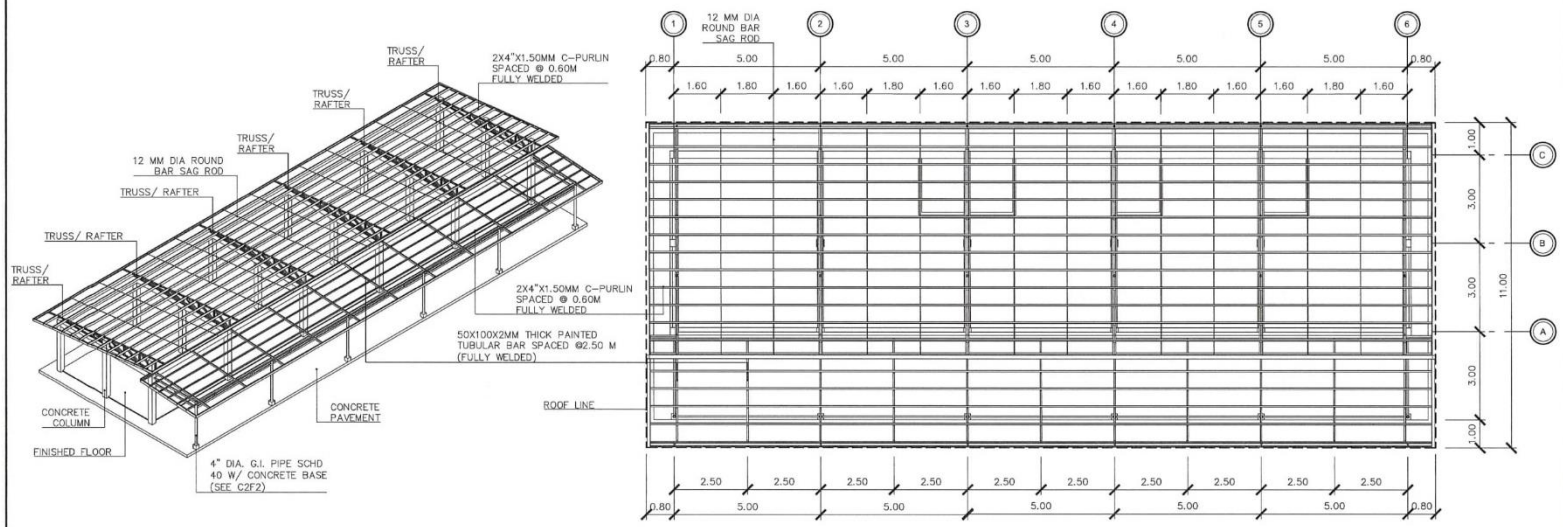
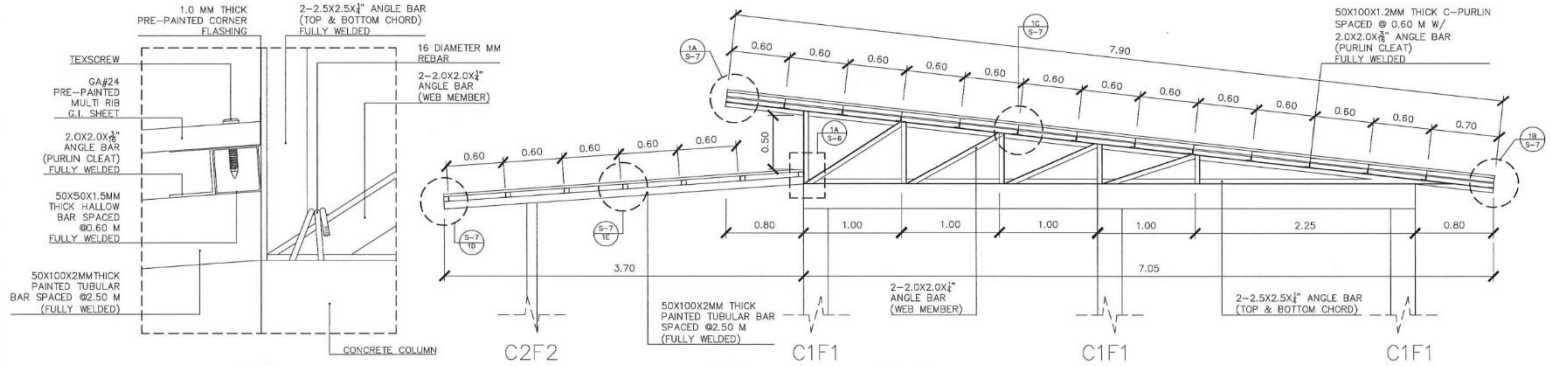


1 S-6 PERSPECTIVE (ROOF FRAME)
SCALE 1:60 MTS
SIZE A3

2 S-6 ROOF FRAMING PLAN
SCALE 1:60 MTS
SIZE A3



1A S-6

3 S-6 TRUSS/RAFTER DETAILS
SCALE 1:200 MTS
SIZE A3

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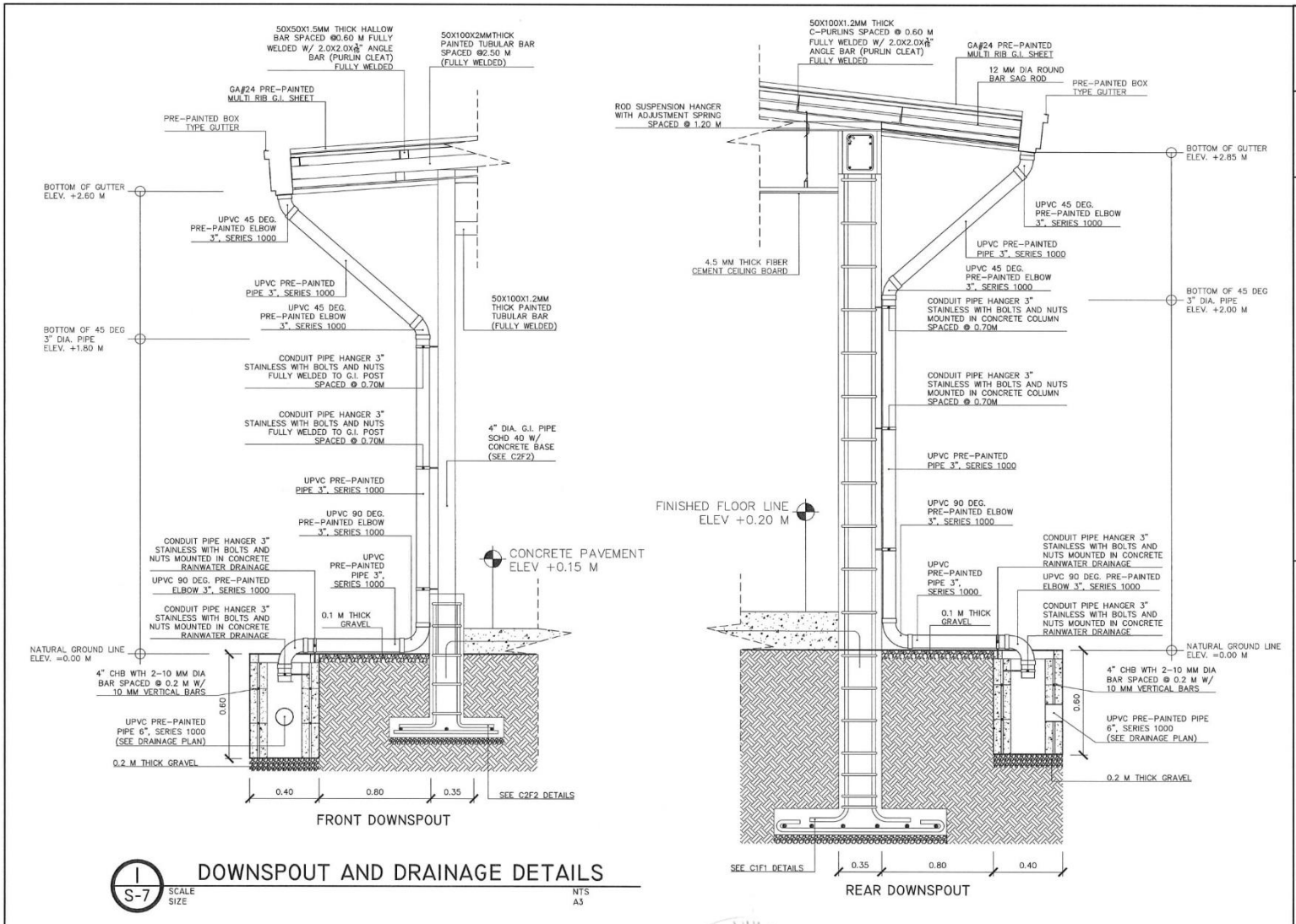
OWNER:	PROJECT NAME/ LOCATION:	SHEET CONTENT:	DRAWN/PREPARED BY:	REVIEWED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET NO:
PHILIPPINE FIBER INDUSTRY DEVELOPMENT AUTHORITY 3/F DA-PCAF, DEPARTMENT OF AGRICULTURE ELLIPTICAL ROAD, DILIMAN QUEZON CITY	ABACA PROCESSING CENTER UNDER HIBLA FARMING TRADING CENTER/ OFFICE BUILDING JOSEFINA, ZAMBOANGA DEL SUR	AS SHOWN	ENGR. RAYA JILLIANN P. PERIA ENGINEER I PROFESSION: AGRICULTURAL AND BIOSYSTEMS ENGINEER PRC REG. NO.: 0007674 VALID UNTIL: NOVEMBER 27, 2024	ENGR. ROMY ALVIN D. DOMINGO FIBER DEVELOPMENT OFFICER II/ HEAD, EPDSS PROFESSION: AGRICULTURAL AND BIOSYSTEMS ENGINEER PRC REG. NO.: 0007674 VALID UNTIL:	ALMA MARIA K. SANTOS OIC, INTERIM FIBER ENGINEERING DIVISION	EVELYN B. CAGASAN, MM OIC, EXECUTIVE DIRECTOR	S-6 12 | 20



I / S-7 DOWNSPOUT AND DRAINAGE DETAILS

SCALE NTS
SIZE A3

REPUBLIC OF THE PHILIPPINES
OFFICE OF THE BUILDING OFFICIAL

DISTRICT/CITY/MUNICIPALITY

CIVIL ENGINEER

GENERAL NOTES

1. CONSTRUCTION NOTES AND TYPICAL DETAILS APPLY TO ALL DRAWINGS UNLESS OTHERWISE SHOWN OR NOTED MODIFY TYPICAL DETAILS AS DIRECTED TO MEET SPECIAL CONDITIONS.
2. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
3. THE CONTRACTOR SHALL EXAMINE THE DRAWINGS AND SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES HE MAY FIND BEFORE PROCEEDING WITH THE WORK, OR DURING CONSTRUCTION.
4. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ADEQUATE SHORING AND BRACING OF THE STRUCTURE FOR ALL LOADS MAYBE IMPOSED DURING THE CONSTRUCTION.
5. CONTRACTOR SHALL VERIFY ALL DIMENSION BEFORE ALL WORK IS TO BEGIN WITH MECHANICAL AND ELECTRICAL CONTRACTORS FOR CONDUITS PIPE SLEEVES, ETC., TO EMBEDDED IN CONCRETE.
6. INSPECTION- ALL CONSTRUCTION AND WORKMANSHIP SHALL BE SUBJECTED TO INSPECTION, EXAMINATION AND TESTING BY THE ENGINEER. THE ENGINEER SHALL HAVE THE RIGHT TO REJECT DEFECTIVE MATERIALS AND WORKMANSHIP OR REQUIRE ITS CORRECTION.

PAINTING WORKS:

1. PAINTING MATERIALS FOR PRIME AND FINISH COATS SHALL BE HIGH QUALITY POINTS AND SHALL BE APPLIED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
2. ALL EXPOSED IRON STEEL WORK TOGETHER WITH ROOF TRUSSES, WALL FRAMING, STEEL WINDOW CASING AND MISCELLANEOUS METAL SHALL RECEIVE A PRIME COAT(S), SHOP APPLIED IS POSSIBLE, BEFORE INSTALLATION. AFTER INSTALLATION, SAID MATERIALS SHALL BE CLEANED ALL WELD AND OTHER DEFECTS SHALL RECEIVE TOCH-UP PRIME COAT.
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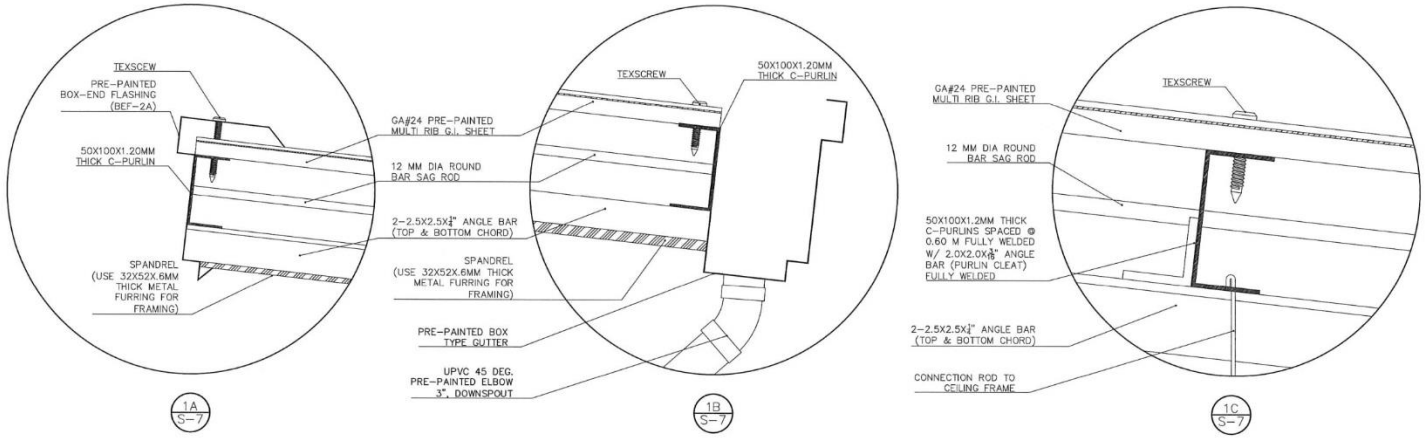

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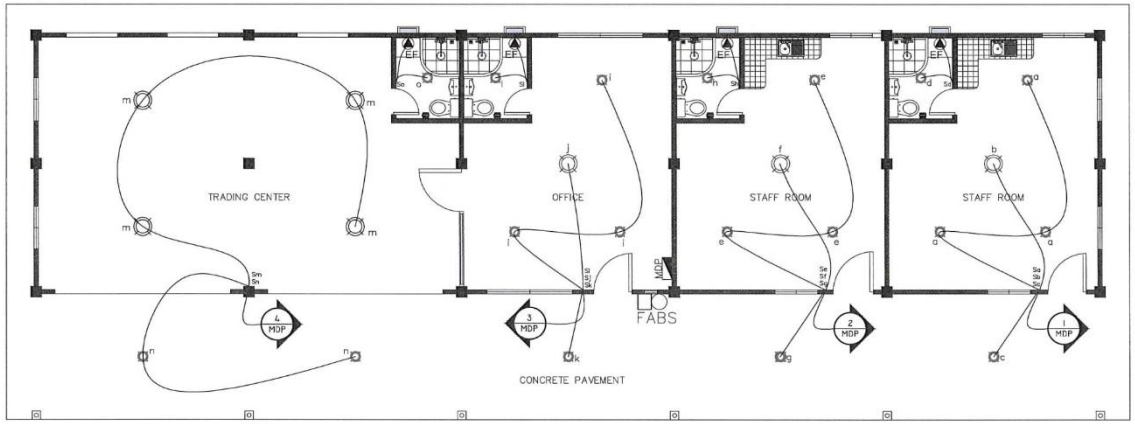
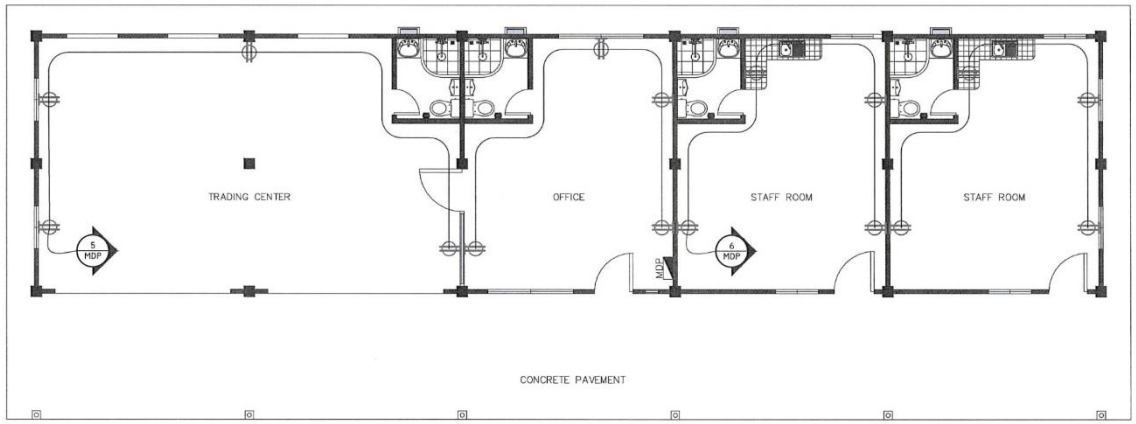


1 / E-1 LIGHTING OUTLET & EXHAUST FAN LAYOUT

SCALE 1:90 MTS
SIZE A3



2 / E-1 CONVENIENCE OUTLET LAYOUT

SCALE 1:90 MTS
SIZE A3

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2. THE ELECTRICAL SERVICE POWER IS 1 - PHASE, 2 WIRE + GROUND 230 V AC, 60HZ.
3. WIRING METHOD SHALL BE AS FOLLOWS :
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   3.2. LIGHTING, POWER RECEPTACLE BRANCH CKT.. AUXILLARY - POLYVINYL CHLORIDE CONDUIT
4. ALL WIRES SHALL BE COPPER AND THERMOPLASTIC INSULATED TYPE "THHN" UNLESS OTHERWISE INDICATED IN THE PLAN. THE MINIMUM SIZE OF WIRE FOR POWER AND LIGHTING CIRCUIT HOMERUN SHALL BE 3.5 MM AND INSULATED FOR 600 VOLTS. SMALLEST RACEWAY SHALL BE 15 MM2 TRADE/NOMINAL SIZE. LIKEWISE ALL ELECTRICAL WIRES SHALL BE COLOR CODED.
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8. MOUNTING HEIGHT OF WIRING DEVICES SHALL BE AS FOLLOWS :

A. LIGHT SWITCH	- 1.20 M ABOVE FINISHED FLOOR
B. CONVENIENCE OUTLET	-0.30 M ABOVE FINISHED FLOOR
C. PANEL BOARD	-1.80 M ABOVE FINISHED FLOOR
D. FIRE ALARM STATION OUTLET	-1.50 ABOVE FINISHED FLOOR
E. PUSH BUTTON OUTLET	- 1.20 M ABOVE FINISHED FLOOR
F. FIRE ALARM AND VIBRATING BELL	-0.30 M BELOW CEILING LINE
G. ABOVE THE COUNTER RECEPTACLE OUTLETS	-0.25 M ABOVE THE COUNTER
H. ACCU-TONNNER OUTLETS	- 1.8M ABOVE FINISH FLOOR

LEGEND :

- 18W LED PIN LIGHT
- 9W LED PIN LIGHT
- DUPLEX CONVENIENCE OUTLET
- IF — INDUSTRIAL FAN
- EF — EXHAUST FAN
- EMERGENCY LIGHT
- FABS — FIRE ALARM BELL & SWITCH
- EXIT — FIRE EXIT SIGN
- PANELBOARD
- CIRCUIT BREAKER
- Sabc — 3-GANG SWITCH
- Sde — 2-GANG SWITCH
- CIRCUIT HOMERUN
- CIRCUIT RUN
- FIRE EXTINGUISHER

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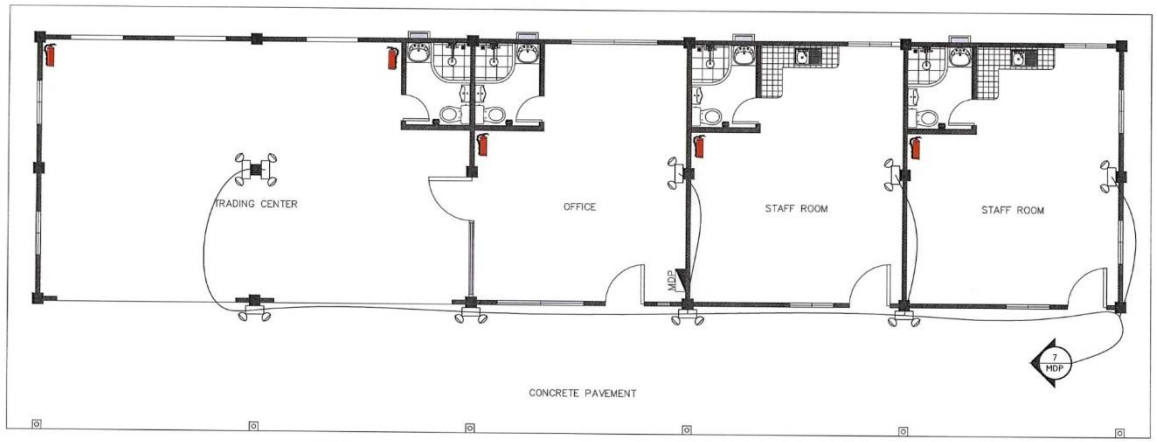
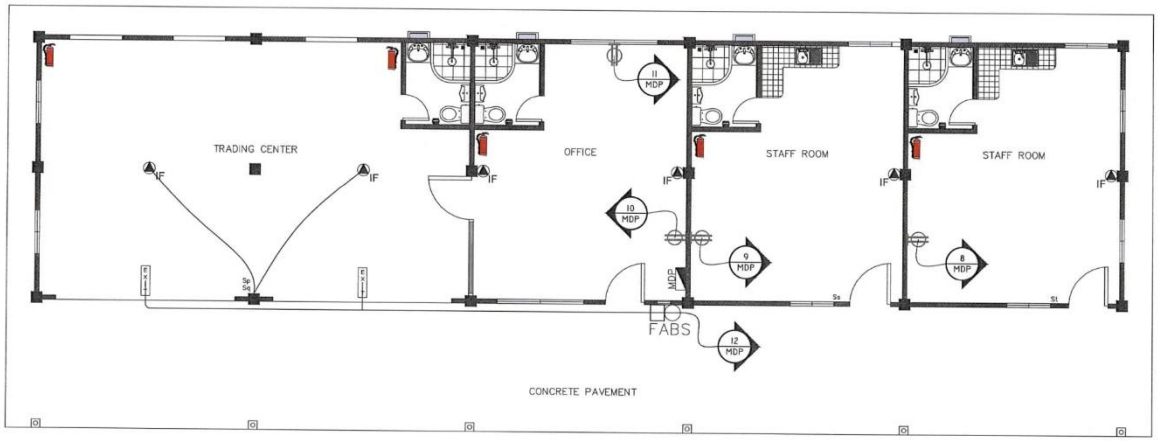


1 / E-2 SCALE SIZE

EMERGENCY LIGHT LAYOUT

1:90 MTS
A3



2 / E-2 SCALE SIZE

AIRCON OUTLET & INDUSTRIAL FAN LAYOUT

1:90 MTS
A3

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2. THE ELECTRICAL SERVICE POWER IS 1 - PHASE, 2 WIRE + GROUND 230 V AC, 60HZ.
3. WIRING METHOD SHALL BE AS FOLLOWS :
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   - 3.2. LIGHTING, POWER RECEPTACLE BRANCH CKT., AUXILLARY - POLYVINYL CHLORIDE CONDUIT
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8. MOUNTING HEIGHT OF WIRING DEVICES SHALL BE AS FOLLOWS :

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B. CONVENIENCE OUTLET	-0.30 M ABOVE FINISHED FLOOR
C. PANEL BOARD	-1.80 M ABOVE FINISHED FLOOR
D. FIRE ALARM STATION OUTLET	-1.50 ABOVE FINISHED FLOOR
E. PUSH BUTTON OUTLET	-1.20 M ABOVE FINISHED FLOOR
F. FIRE ALARM AND VIBRATING BELL.	-0.30 M BELOW CEILING LINE
G. ABOVE THE COUNTER RECEPTACLE OUTLETS	-0.25 M ABOVE THE COUNTER
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- 18W LED PIN LIGHT
- 9W LED PIN LIGHT
- DUPLEX CONVENIENCE OUTLET
- IF — INDUSTRIAL FAN
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- FIRE EXIT SIGN
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- CIRCUIT BREAKER
- Sabc — 3-GANG SWITCH
- Sde — 2-GANG SWITCH
- CIRCUIT HOMERUN
- CIRCUIT RUN
- FIRE EXTINGUISHER

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LOAD SCHEDULE

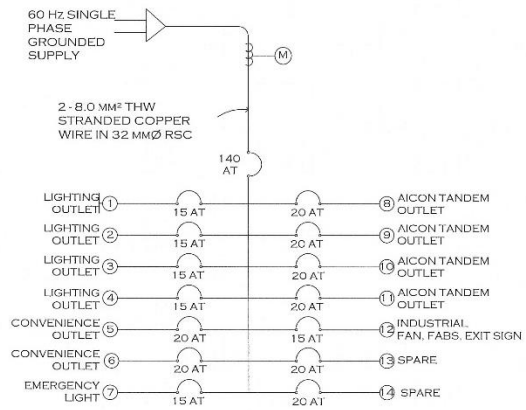
TYPE OF SERVICE: 230V, 3 WIRES 60HZ SINGLE PHASE				FEEDER CONDUCTOR 2–8.0 mm² & 1- 5.5 mm² THW Stranded Wire in 32 mmØ RSC						
CIRCUIT NUMBER	DESCRIPTION OF LOAD	VA LOAD	CURRENT	CIRCUIT BREAKER			CONDUCTOR		CONDUIT	
				POLE	FRAME	TRIP	SIZE	TYPE	DIAMETER	TYPE
1	1 X 18W LIGHT	96	0.42	2	50	15 A	2 - 2.0 MM² & 1 - 2.0 MM² (G)	THHN	13 MM	uPVC
	5 X 9W LIGHT			2	50	15 A	2 - 2.0 MM² & 1 - 2.0 MM² (G)	THHN	13 MM	uPVC
	1 X 33W EXHAUST FAN			2	50	15 A	2 - 2.0 MM² & 1 - 2.0 MM² (G)	THHN	13 MM	uPVC
2	1 X 18W LIGHT	96	0.42	2	50	15 A	2 - 2.0 MM² & 1 - 2.0 MM² (G)	THHN	13 MM	uPVC
	5 X 9W LIGHT			2	50	15 A	2 - 2.0 MM² & 1 - 2.0 MM² (G)	THHN	13 MM	uPVC
	1 X 33W EXHAUST FAN			2	50	15 A	2 - 2.0 MM² & 1 - 2.0 MM² (G)	THHN	13 MM	uPVC
3	1 X 18W LIGHT	96	0.42	2	50	15 A	2 - 2.0 MM² & 1 - 2.0 MM² (G)	THHN	13 MM	uPVC
	5 X 9W LIGHT			2	50	15 A	2 - 2.0 MM² & 1 - 2.0 MM² (G)	THHN	13 MM	uPVC
	1 X 33W EXHAUST FAN			2	50	15 A	2 - 2.0 MM² & 1 - 2.0 MM² (G)	THHN	13 MM	uPVC
4	4 X 18W LIGHT	132	0.57	2	50	15 A	2 - 2.0 MM² & 1 - 2.0 MM² (G)	THHN	13 MM	uPVC
	3 X 9W LIGHT			2	50	15 A	2 - 2.0 MM² & 1 - 2.0 MM² (G)	THHN	13 MM	uPVC
	1 X 33W EXHAUST FAN			2	50	15 A	2 - 2.0 MM² & 1 - 2.0 MM² (G)	THHN	13 MM	uPVC
5	28 X 180W CONVENIENCE OUTLET	2,880	12.52	2	50	20 A	2 - 3.5 MM² & 1 - 3.5 MM² (G)	THHN	20 MM	uPVC
6	28 X 180W CONVENIENCE OUTLET	2,880	12.52	2	50	20 A	2 - 3.5 MM² & 1 - 3.5 MM² (G)	THHN	20 MM	uPVC
7	9 X 2.3W LED EMERGENCY LIGHT	54	0.23	2	50	15 A	2 - 2.0 MM² & 1 - 2.0 MM² (G)	THHN	13 MM	uPVC
8	1 X 746 W(1HP) AIRCON TANDEM OUTLET	746	3.24	2	50	20 A	2 - 3.5 MM² & 1 - 3.5 MM² (G)	THHN	20 MM	uPVC
9	1 X 746 W(1HP) AIRCON TANDEM OUTLET	746	3.24	2	50	20 A	2 - 3.5 MM² & 1 - 3.5 MM² (G)	THHN	20 MM	uPVC
10	1 X 746 W(1HP) AIRCON TANDEM OUTLET	746	3.24	2	50	20 A	2 - 3.5 MM² & 1 - 3.5 MM² (G)	THHN	20 MM	uPVC
11	1 X 746 W(1HP) AIRCON TANDEM OUTLET	746	3.24	2	50	20 A	2 - 3.5 MM² & 1 - 3.5 MM² (G)	THHN	20 MM	uPVC
12	4 X 50 W INDUSTRIAL WALL FAN	526	2.29	2	50	15 A	2 - 2.0 MM² & 1 - 2.0 MM² (G)	THHN	13 MM	uPVC
	2 X 60 W INDUSTRIAL CEILING FAN			2	50	15 A	2 - 2.0 MM² & 1 - 2.0 MM² (G)	THHN	13 MM	uPVC
	2 X 3 W LED EXIT SIGN			2	50	15 A	2 - 2.0 MM² & 1 - 2.0 MM² (G)	THHN	13 MM	uPVC
	1 X 200 W FIRE ALARM			2	50	15 A	2 - 3.5 MM² & 1 - 3.5 MM² (G)	THHN	20 MM	uPVC
13	28 X 180W CONVENIENCE OUTLET (SPARE)	2,880	12.52	2	50	20 A	2 - 3.5 MM² & 1 - 3.5 MM² (G)	THHN	20 MM	uPVC
14	28 X 180W CONVENIENCE OUTLET (SPARE)	2,880	12.52	2	50	20 A	2 - 3.5 MM² & 1 - 3.5 MM² (G)	THHN	20 MM	uPVC
TOTAL PHASE CURRENT		15,504	67.41							

COMPUTATION

I_T = 15.504 KVA / (230 V) = 67.41 A x 80% DEMAND FACTOR = 54 A
USE 2 - 8.0 MM² & 1 - 5.5 MM² THW STRANDED COPPER WIRE IN 32 MMØ RSC

LINE DIAGRAM

I / E-3 — SCALE SIZE — NTS A3



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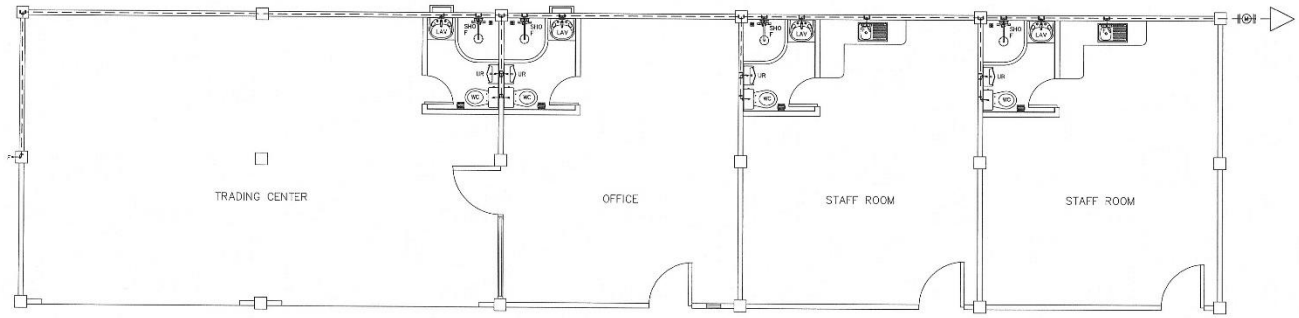
f. FIRE ALARM AND VIBRATING BELL	- 0.30 M BELOW CEILING LINE
g. ABOVE THE COUNTER RECEPTACLE OUTLETS	- 0.35 M ABOVE THE COUNTER
h. ACCUSTOMNERD OUTLETS	- 1.8M ABOVE FINISH FLOOR

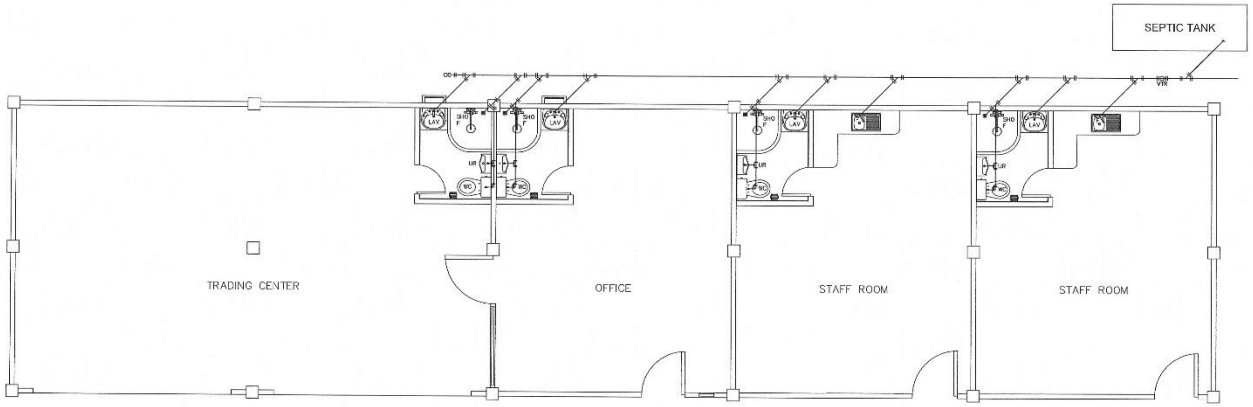
LEGEND :

- 18W LED PIN LIGHT
- 9W LED PIN LIGHT
- DUPLEX CONVENIENCE OUTLET
- INDUSTRIAL FAN
- EXHAUST FAN
- EMERGENCY LIGHT
- FABS — FIRE ALARM BELL & SWITCH
- FIRE EXIT SIGN
- PANELBOARD
- CIRCUIT BREAKER
- Sabc — 3-GANG SWITCH
- Sde — 2-GANG SWITCH
- CIRCUIT HOMERUN
- CIRCUIT RUN
- FIRE EXTINGUISHER

OWNER:	PROJECT NAME / LOCATION:	SHEET CONTENT:	DRAWN / PREPARED BY:	REVIEWED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET NO:
PHILIPPINE FIBER INDUSTRY DEVELOPMENT AUTHORITY 3/F DA-PCAF, DEPARTMENT OF AGRICULTURE ELLIPTICAL ROAD, DILIMAN QUEZON CITY	ABACA PROCESSING CENTER UNDER HEBLA FARMING TRADING CENTER / OFFICE BUILDING JOSEFINA, ZAMBOANGA DEL SUR	AS SHOWN	ENGR. RAYA JILL ANN P. PERIA ENGINEER I PROFESSION: CIVIL AND BIOSYSTEMS ENGINEER PRC REG. NO.: 201161 VALID UNTIL: NOVEMBER 27, 2024	ENGR. ROMY ALVIN D. DOMINGO FIBER DEVELOPMENT OFFICER II / HEAD, EPDSS PROFESSION: AGRICULTURAL AND BIOSYSTEMS ENGINEER PRC REG. NO.: 0007974 VALID UNTIL:	ALMA MARIA K. SANTOS OIC, INTERIM FIBER ENGINEERING DIVISION	EVELYN B. CAGASAN, MM OIC, EXECUTIVE DIRECTOR	E-3 17 | 20



1 / P-1 WATERLINE LAYOUT
SCALE 1:100 MTS
SIZE A3



2 / P-1 SEWER LINE LAYOUT
SCALE 1:100 MTS
SIZE A3

REPUBLIC OF THE PHILIPPINES
OFFICE OF THE BUILDING OFFICIAL

DISTRICT/CITY/MUNICIPALITY

CIVIL ENGINEER

PLUMBING SPECIFICATIONS:

1. ALL PLUMBING INSTALLATIONS HEREIN SHALL BE DONE IN ACCORDANCE WITH THE LATEST RULES AND REGULATIONS OF THE SANITARY CODE OF THE PHILIPPINES.
2. ALL PLUMBING WORKS HEREIN SHALL BE DONE UNDER THE DIRECT SUPERVISION OF A LICENSED PLUMBING ENGINEER OR A MASTER PLUMBER.
3. COORDINATION WITH DRAWING AND OTHER RELATED SPECIFICATION. THE ENGINEER SHALL BE NOTICED IMMEDIATELY IF ANY DISCREPANCY FOUND THEREIN.
4. PIPES SHALL BE INSTALLED AS INDICATED ANY RELOCATION REQUIREMENT FOR PROPER EXECUTION OF OTHER TRADES SHALL BE WITH PRIOR APPROVAL OF ENGINEER.
5. PROPOSE SANITARY UTILITIES SHALL CONFORMED TO THE ACTUAL LOCATION, DEPTH AND INVERTED ELEVATION OF ALL EXISTING PIPES AND STRUCTURE.
6. ALL FIXTURES SHALL BE VENTED UNLESS OTHERWISE INDICATED.
7. RUN ALL HORIZONTAL PIPING PERFECT ALIGNMENT AND AT UNIFORM OF NOT LESS THAN TWO PERCENT (%)
8. NO DOUBLE HUBS, DOUBLE TEE BRANCH SHALL BE USE ON HORIZONTAL SOIL WASTE LINE, THE DRILLING OR TAPPING OF HOUSE DRAIN WASTE OR VENT PIPES AND SADDLE HUBS AND VENT PROHIBITED.
9. PROVIDE PIPE SLEEVES AT WALLS COLUMN SLAB ONE SLAB ONE BIGGER THAN ACTUAL SIZE PASSING THROUGH WALLS OR SLAB TO PIPES FROM BREAKAGE.
10. CLEAN OUT ARE REQUIRED UNDER THE FOLLOWING CONDITION:
    - 10.1. EVERY CHANGE IN HORIZONTAL DIRECTION EXCEEDING 22 ½ DEGREES.
    - 10.2. 1.0 METER INSIDE THE PROPERTY LINE DRAIN CONNECTOR.
    - 10.3. EVERY 150 MM DIAMETER IN HORIZONTAL RUN PIPE.
    - 10.4. AT THE END OF THE HORIZONTAL PIPE.
11. A DEAD END IN THE INSTALLATION OF ANY PLUMBING SYSTEM IS PROHIBITED.
12. ALL PLUMBING PIPES AND FITTINGS, FOR WATER AND SEWER LINES, SHALL BE PVC AND SHALL BE PROPERLY SEALED WITH SOLVENT CEMENT.
13. PIPE SIZES FOR WATER LINES SHALL BE Ø 12.5 MM (½") FOR DISTRIBUTION LINES. USE HEAVY DUTY GATE VALVES, FAUCETS, BIDETS AND ALL PLUMBING FIXTURES AND ACCESSORIES.
14. PIPE SIZES FOR SEWER LINES SHALL BE Ø 75 MM (3") FOR SOIL STACK, Ø 50 MM (2") FOR SOIL BRANCHES.
15. NO REVISION IN THE DESIGN SHALL BE DONE WITHOUT THE PROPER KNOWLEDGE AND APPROVAL OF THE DESIGNER AND THE OWNER. ANY SUCH REVISION DONE WITHOUT THE APPROVAL SHALL COURSE RESPONSIBILITY OF THE DESIGNER/ENGINEER TO CEASE A WHOLE.
16. NO PIPING WORK FIXTURE OR EQUIPMENT SHALL BE CONCEALED OR COVERED BY ANY MAINS BEFORE THEY HAVE BEEN PRESSURE TESTED, JURISDICTION OF THE WORK.
17. ALL WORK SHALL BE COMPLETELY INSTALLED AND TESTED AS REQUIRED BY THE SECTION 1378 AND SHALL BE LEAK TIGHT.
18. UNLESS OTHERWISE NOTED AND SPECIFIED, USE NELTEX BRAND TO ALL MATERIALS OF ROUGHING OR AND APPROVED BY EQUIVALENT.

LEGEND :

WC	WATER CLOSET
FD	FLOOR DRAIN
F	FAUCET
VTR	VENT THROUGH ROOF
C.O.	WALL CLEAN OUT
LAV	LAVATORY
UR	URINAL
SV	SEPTIC VAULT
———	SANITARY LINE
— — —	FRESH WATER LINE
⋈	GATE VALVE
(M)	WATER METER
▶	REDUCER

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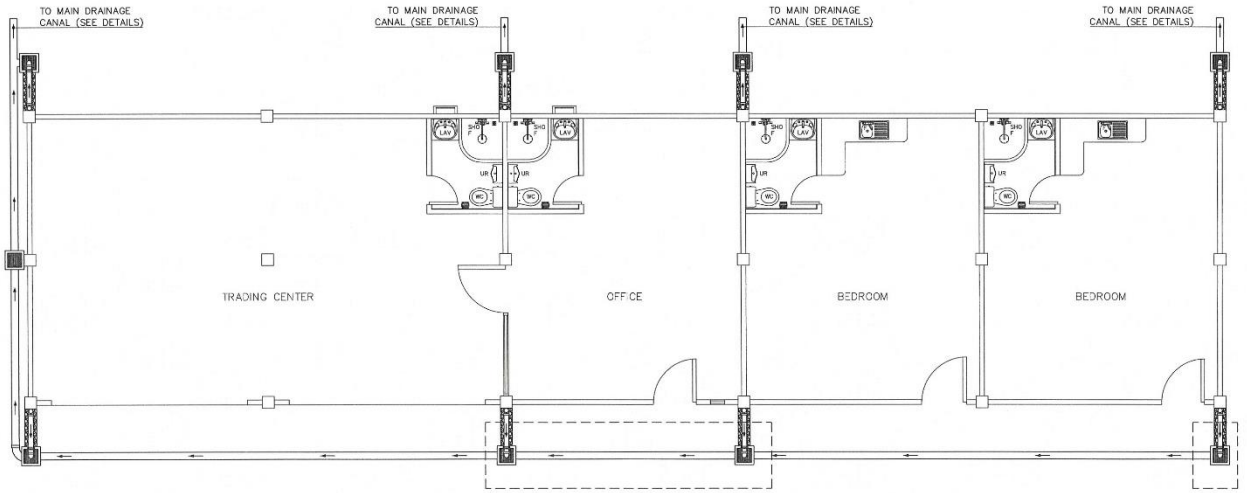
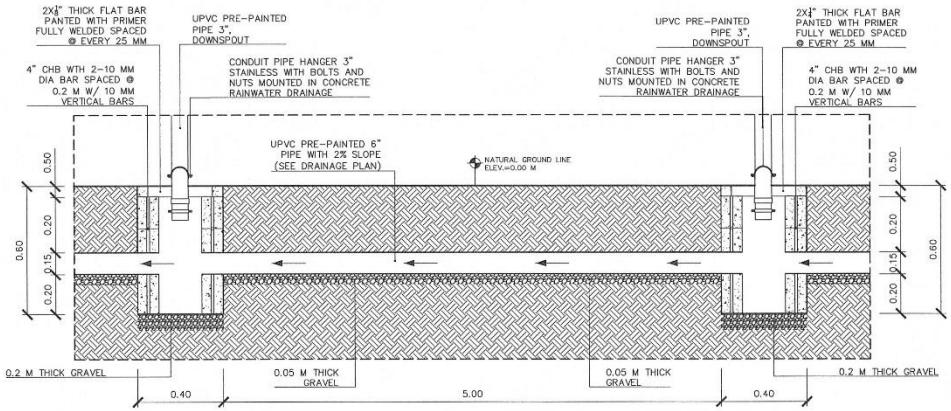


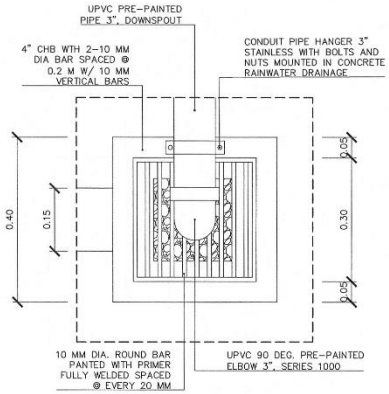
I / P-2 SCALE SIZE

RAINWATER DRAINAGE LAYOUT

1:100 MTS
A3



SECTION VIEW



TOP VIEW

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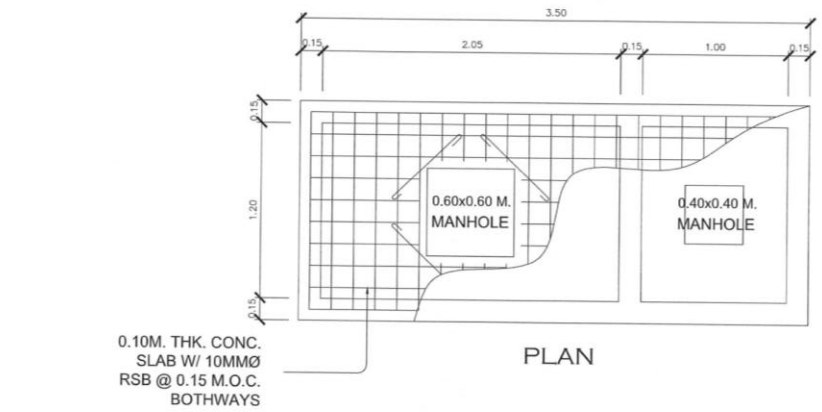
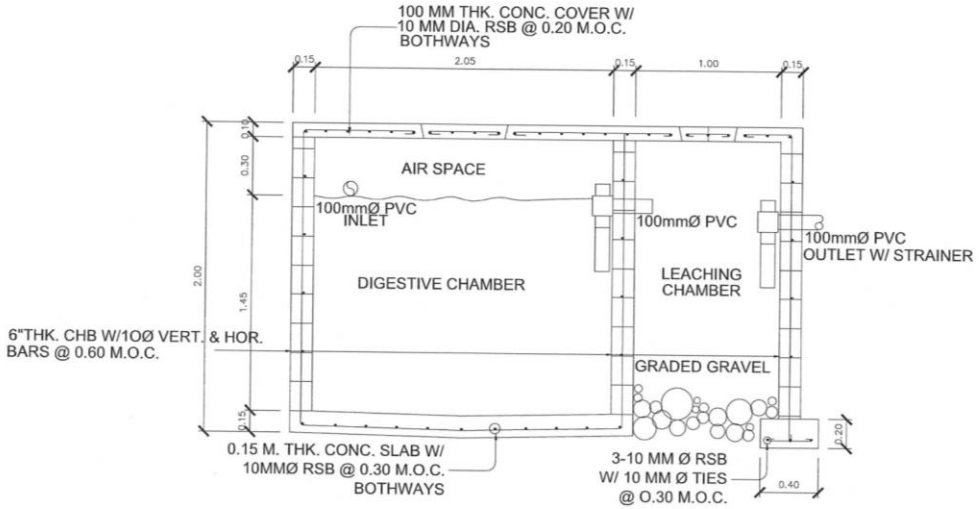


PLAN



SECTION

I / P-3 DETAIL OF SEPTIC TANK

SCALE NTS
SIZE A3

REPUBLIC OF THE PHILIPPINES
OFFICE OF THE BUILDING OFFICIAL

DISTRICT/CITY/MUNICIPALITY

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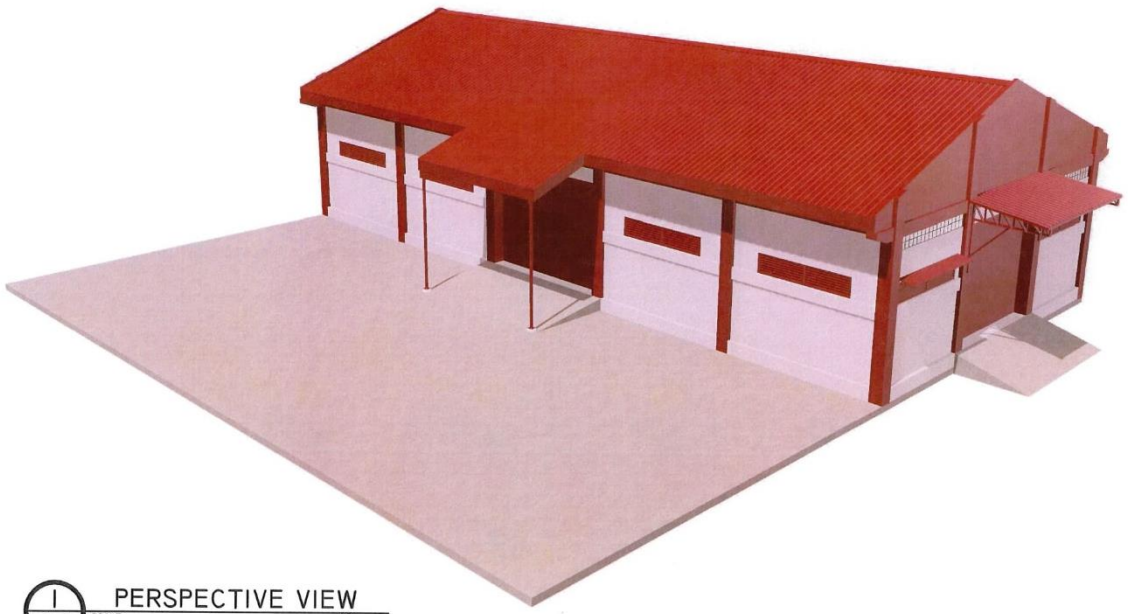
PHILIPPINE FIBER INDUSTRY DEVELOPMENT AUTHORITY 3/F DA-PCAF, DEPARTMENT OF AGRICULTURE ELLIPTICAL ROAD, DILIMAN QUEZON CITY	ABACA PROCESSING CENTER UNDER HIBLA FARMING TRADING CENTER/ OFFICE BUILDING JOSEFINA, ZAMBOANGA DEL SUR	AS SHOWN	ENGR. RAYA JILL ANN P. PERIA ENGINEER I PROFESSION: AGRICULTURAL AND BIOSYSTEMS ENGINEER PRC REG. NO.: 0011121 VALID UNTIL: NOVEMBER 27, 2024	ENGR. ROMY ALVIN D. DOMINGO FIBER DEVELOPMENT OFFICER II/ HEAD, EPDSS PROFESSION: AGRICULTURAL AND BIOSYSTEMS ENGINEER PRC REG. NO.: 0007674 VALID UNTIL:	ALMA MARIA K. SANTOS OIC, INTERIM FIBER ENGINEERING DIVISION	EVELYN B. CAGASAN, MM OIC, EXECUTIVE DIRECTOR	P-3 20 20



I / A-I PERSPECTIVE VIEW
SCALE NTS
SIZE A3

TABLE OF CONTENTS

REPUBLIC OF THE PHILIPPINES
OFFICE OF THE BUILDING OFFICIAL

_____
DISTRICT/CITY/MUNICIPALITY

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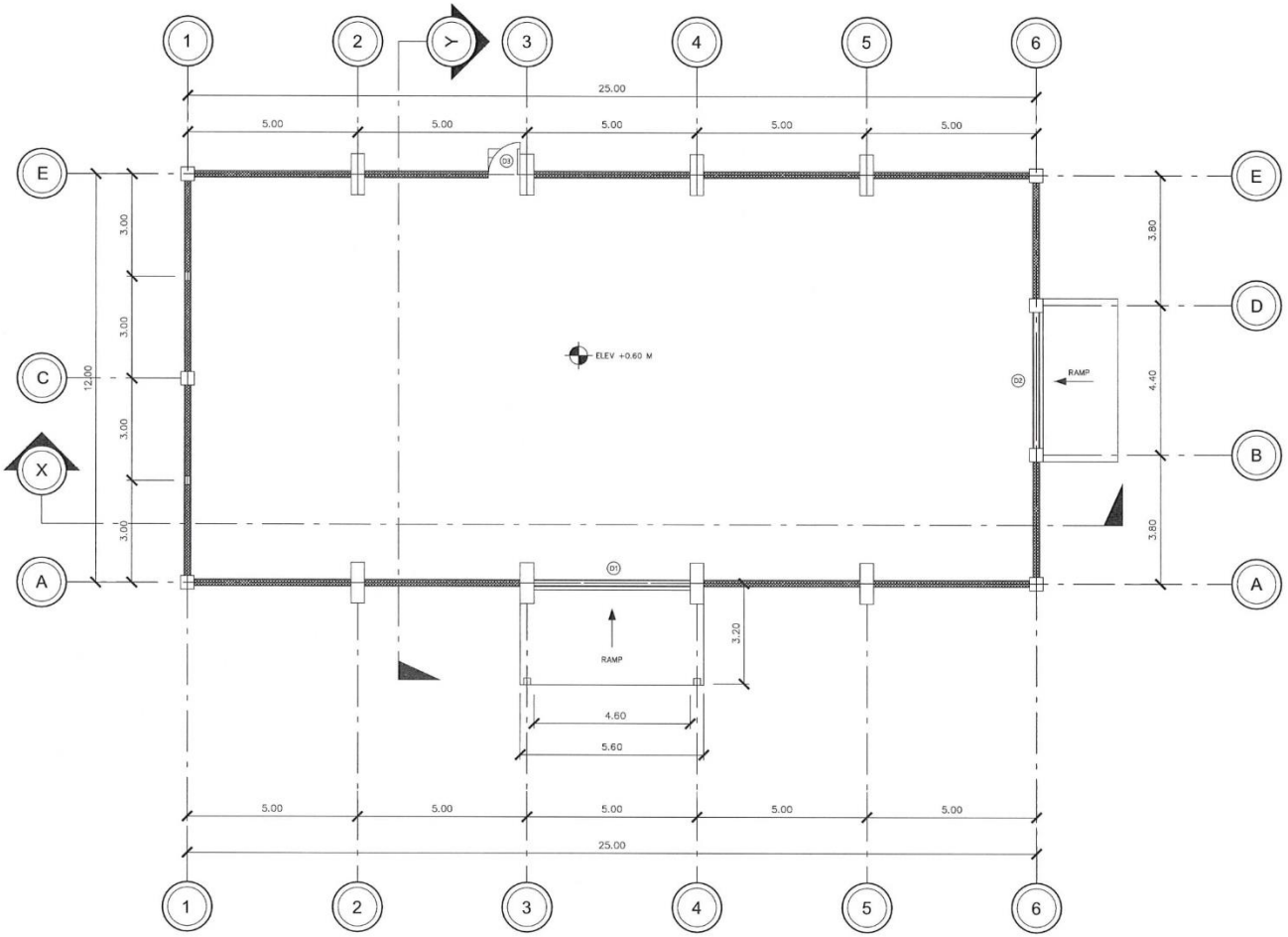

I / A-2 FLOOR PLAN

SCALE 1:70 MTS
SIZE A3

REPUBLIC OF THE PHILIPPINES
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CIVIL/STRUCTURAL ENGINEER

GENERAL NOTES

1. CONSTRUCTION NOTES AND TYPICAL DETAILS APPLY TO ALL DRAWINGS UNLESS OTHERWISE SHOWN OR NOTED MODIFY TYPICAL DETAILS AS DIRECTED TO MEET SPECIAL CONDITIONS.
2. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
3. THE CONTRACTOR SHALL EXAMINE THE DRAWINGS AND SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES HE MAY FIND BEFORE PROCEEDING WITH THE WORK, OR DURING CONSTRUCTION.
4. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ADEQUATE SHORING AND BRACING OF THE STRUCTURE FOR ALL LOADS MAYBE IMPOSED DURING THE CONSTRUCTION.
5. CONTRACTOR SHALL VERIFY ALL DIMENSION BEFORE ALL WORK IS TO BEGIN WITH MECHANICAL AND ELECTRICAL CONTRACTORS FOR CONDUITS PIPE SLEEVES, ETC., TO EMBEDDED IN CONCRETE.
6. INSPECTION- ALL CONSTRUCTION AND WORKMANSHIP SHALL BE SUBJECTED TO INSPECTION, EXAMINATION AND TESTING BY THE ENGINEER. THE ENGINEER SHALL HAVE THE RIGHT TO REJECT DEFECTIVE MATERIALS AND WORKMANSHIP OR REQUIRE ITS CORRECTION.

LEGENDS:

D/DOOR NO.	DOOR SCHEDULE
W/WINDOW NO.	WINDOW SCHEDULE
	FLOOR ELEVATION
	0.15 M THICK CONCRETE WALL
C1F1	400X400 MM CONCRETE COLUMN W/ 1.60X1.60MX300MM THICK FOUNDATION
WF-1	WALL FOOTING WITH 6" THICK CHB
FTB-1	350X300MM FOOT TIE BEAM

OWNER:	PROJECT NAME/ LOCATION:	SHEET CONTENT:	DRAWN/PREPARED BY:	REVIEWED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET NO:
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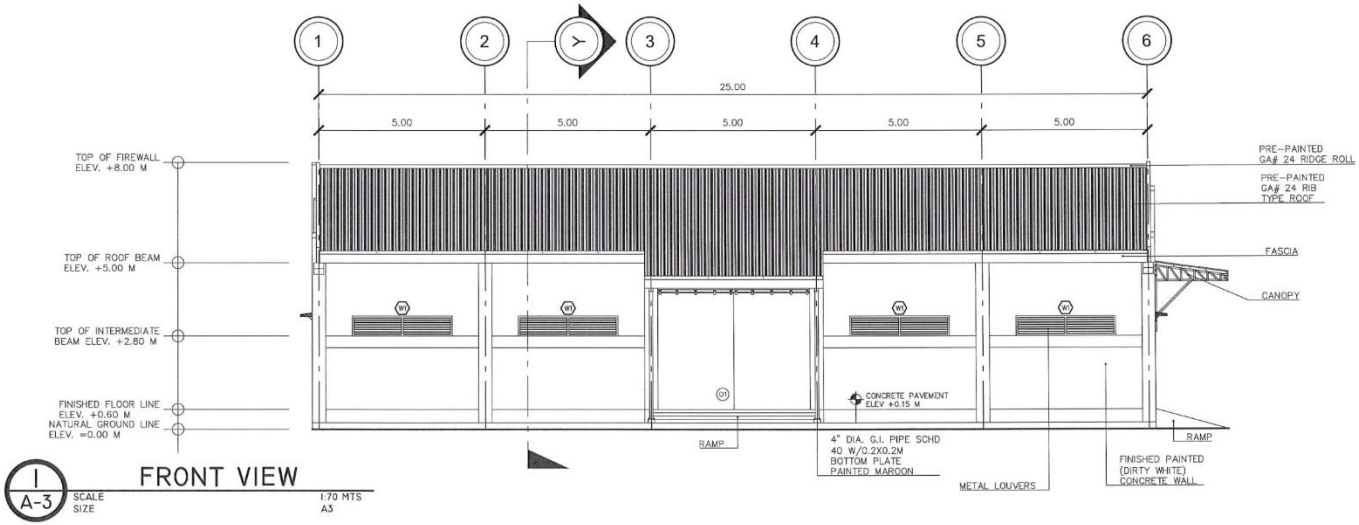
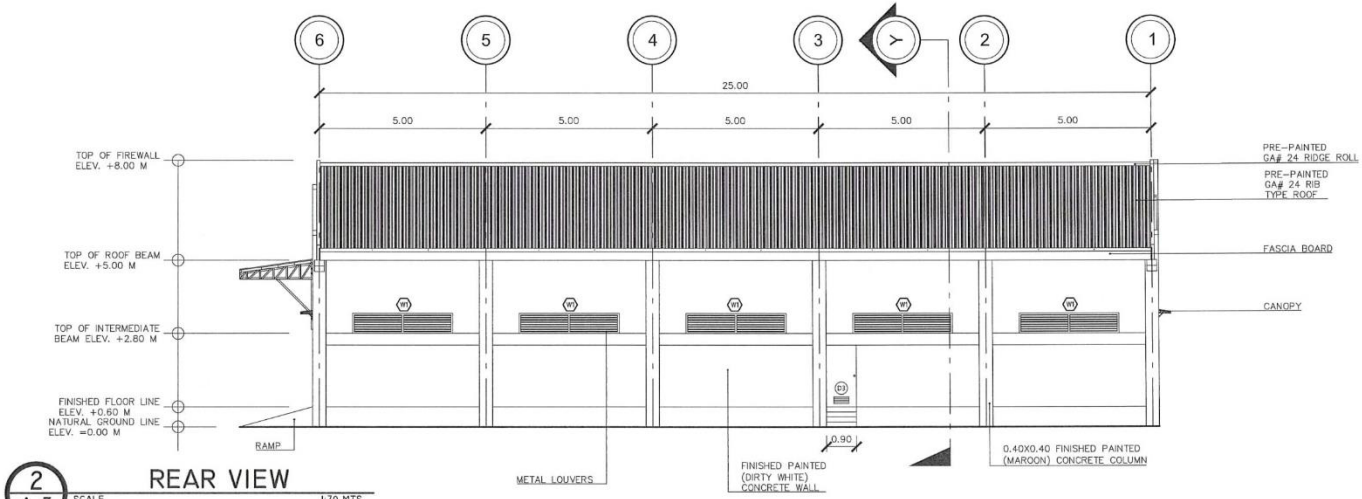


1/A-3 FRONT VIEW

SCALE 1:70 MTS
SIZE A3



2/A-3 REAR VIEW

SCALE 1:70 MTS
SIZE A3

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PAINTING WORKS

1. PAINTING MATERIALS FOR PRIME AND FINISH COATS SHALL BE HIGH QUALITY POINTS AND SHALL BE APPLIED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
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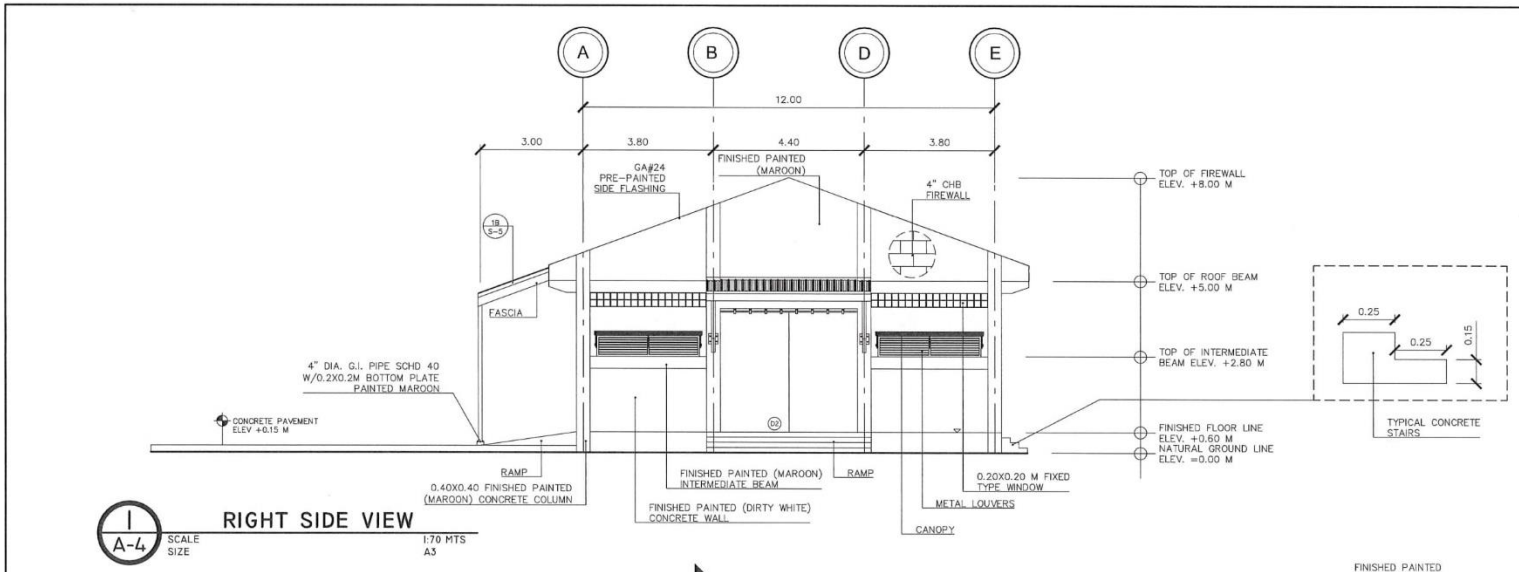
PHILIPPINE FIBER INDUSTRY DEVELOPMENT AUTHORITY 3/F DA-PCAF, DEPARTMENT OF AGRICULTURE ELLIPTICAL ROAD, DILIMAN QUEZON CITY	ABACA PROCESSING CENTER UNDER HIBLA FARMING AGRICULTURAL WAREHOUSE JOSEFINA, ZAMBOANGA DEL SUR	AS SHOWN	ENGR. RAYA JILL ANN P. PERIA ENGINEER I PROFESSION: AGRICULTURAL AND BIOSYSTEMS ENGINEER PRC REG. NO.: 0011101 VALID UNTIL: NOVEMBER 27, 2024	ENGR. ROMY ALVIN D. DOMINGO FIBER DEVELOPMENT OFFICER II/ HEAD, EPDSS PROFESSION: AGRICULTURAL AND BIOSYSTEMS ENGINEER PRC REG. NO.: 0007674 VALID UNTIL:	ALMA MARIA K. SANTOS OIC, INTERIM FIBER ENGINEERING DIVISION	EVELYN B. CAGASAN, MM OIC-EXECUTIVE DIRECTOR	A-3 03 18



REPUBLIC OF THE PHILIPPINES
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CIVIL ENGINEER

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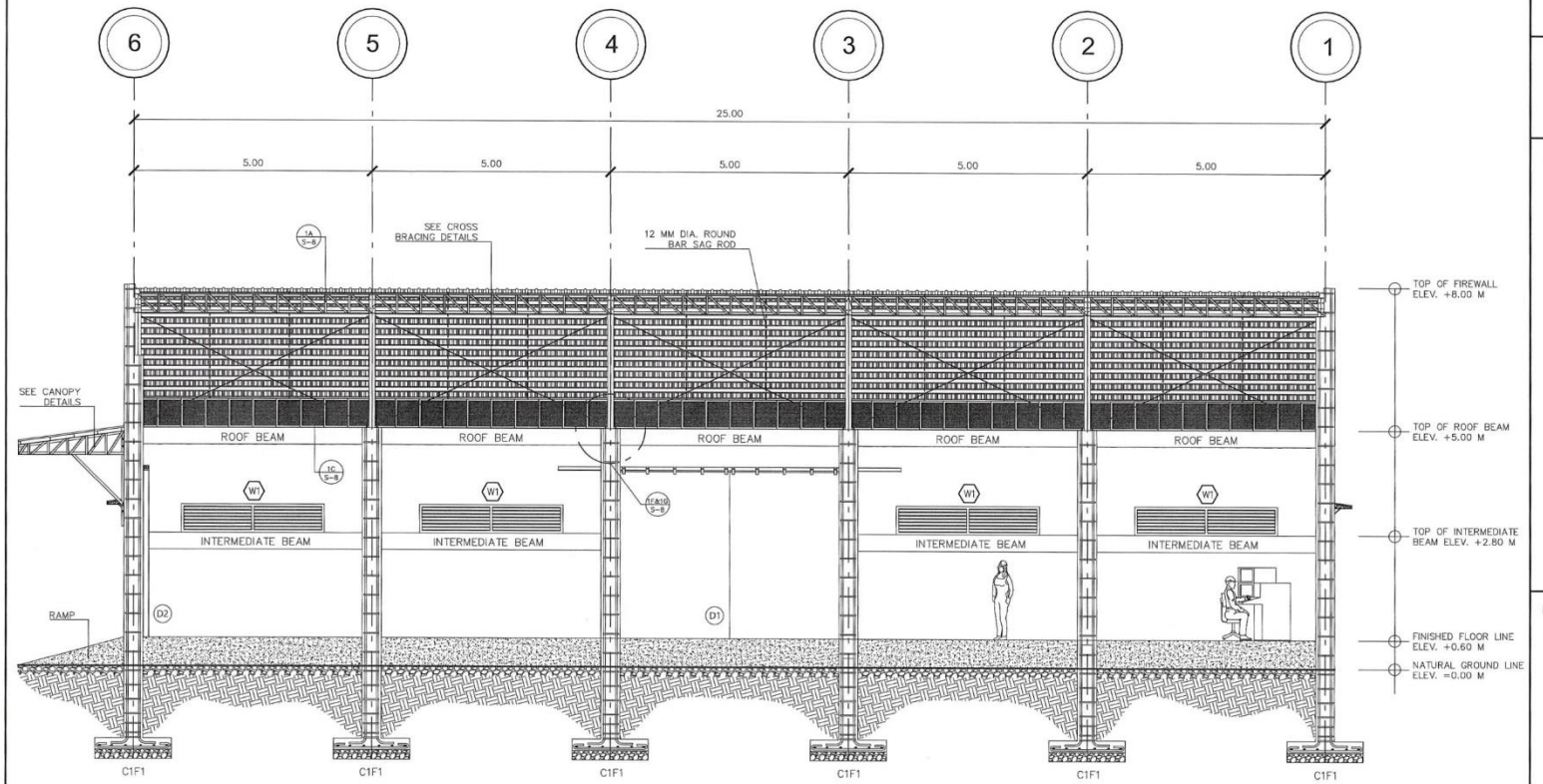

1 / A-5 SECTION THRU X

SCALE 1:100 MTS
SIZE A3

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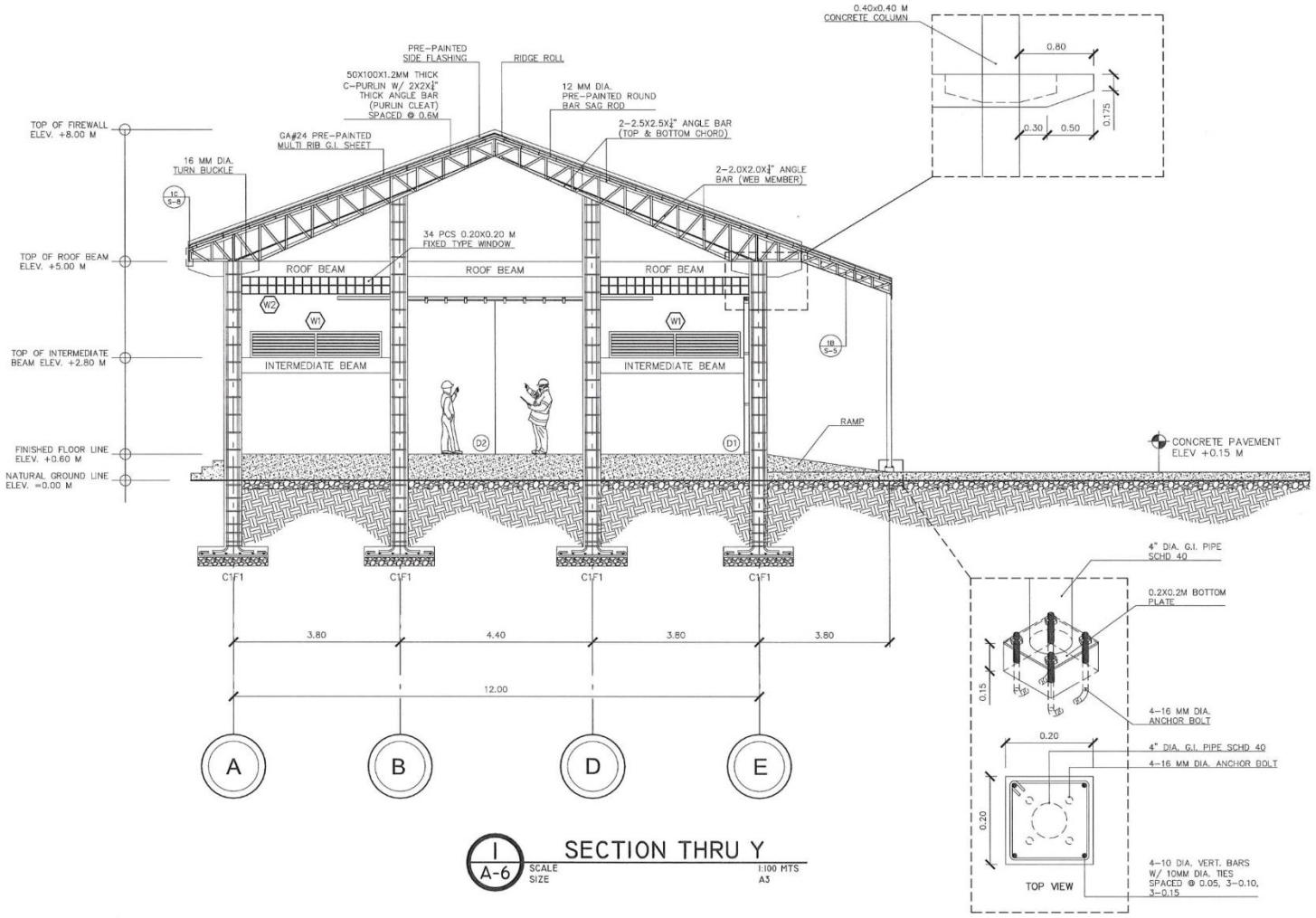

I / A-6 SECTION THRU Y

SCALE 1:100 MTS
SIZE A3

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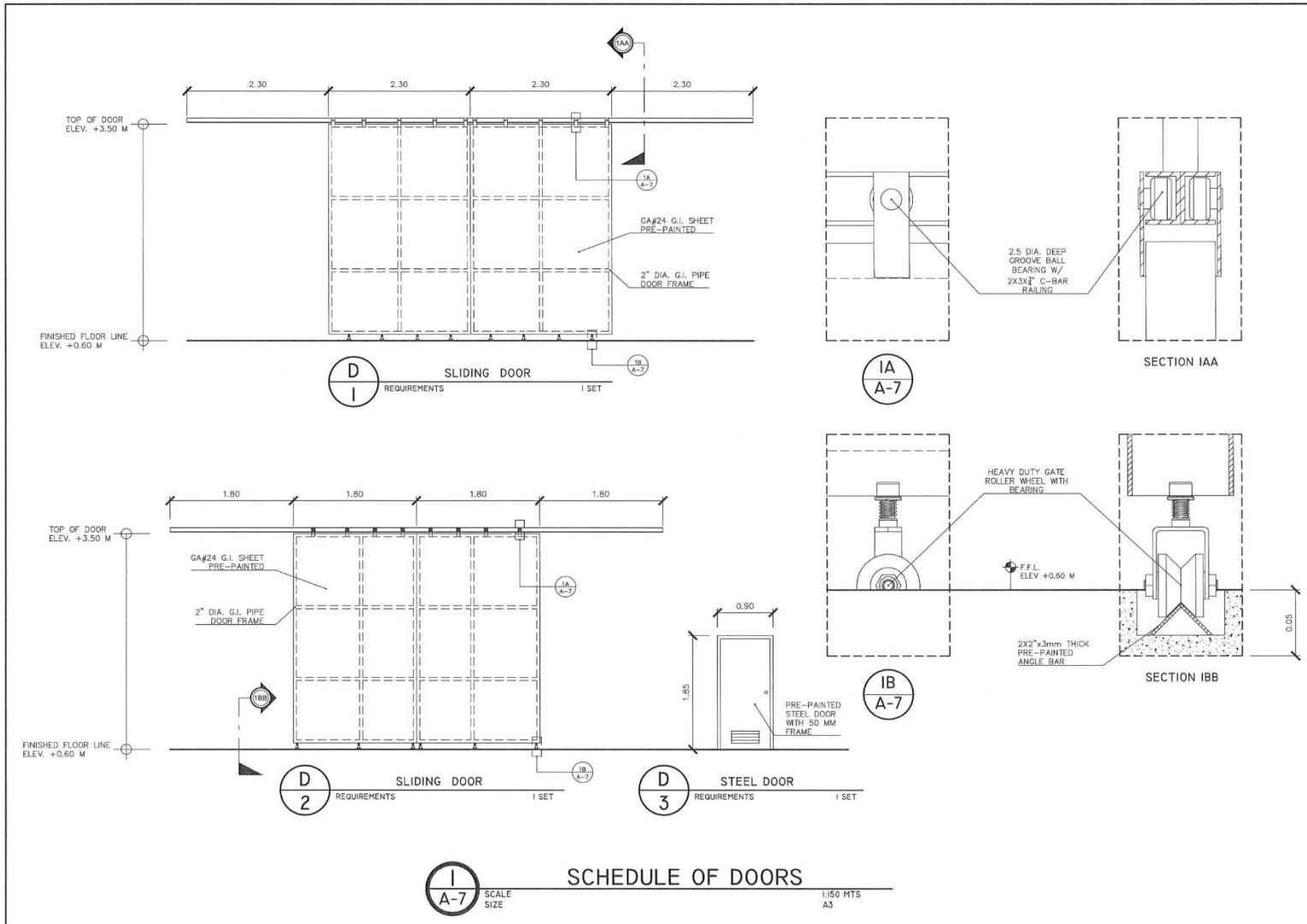

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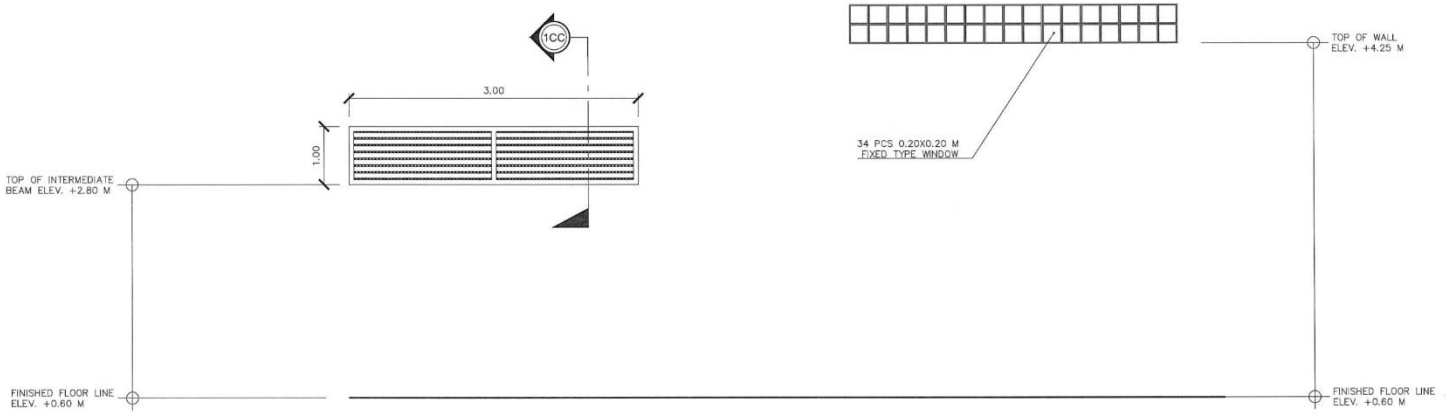
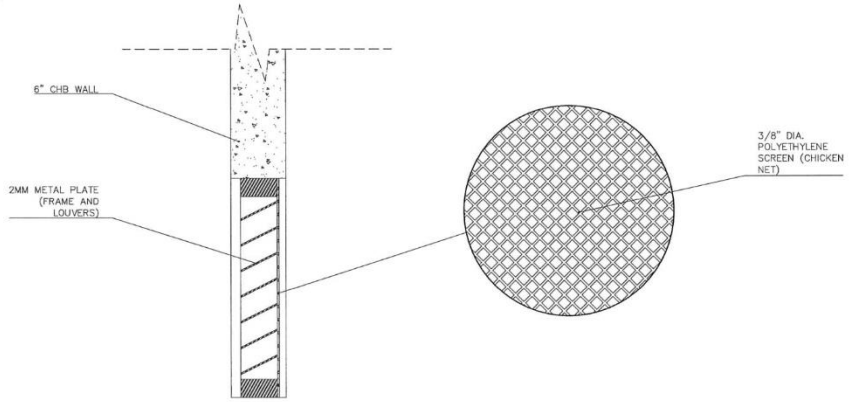


W 1 METAL LOUVERS
REQUIREMENTS 13 SET

W 2 FIXED TYPE GLASS WINDOW
REQUIREMENTS 180 PCS



SECTION ICC

1 A-8 SCHEDULE OF WINDOWS
SCALE 1:200 MTS
SIZE A3

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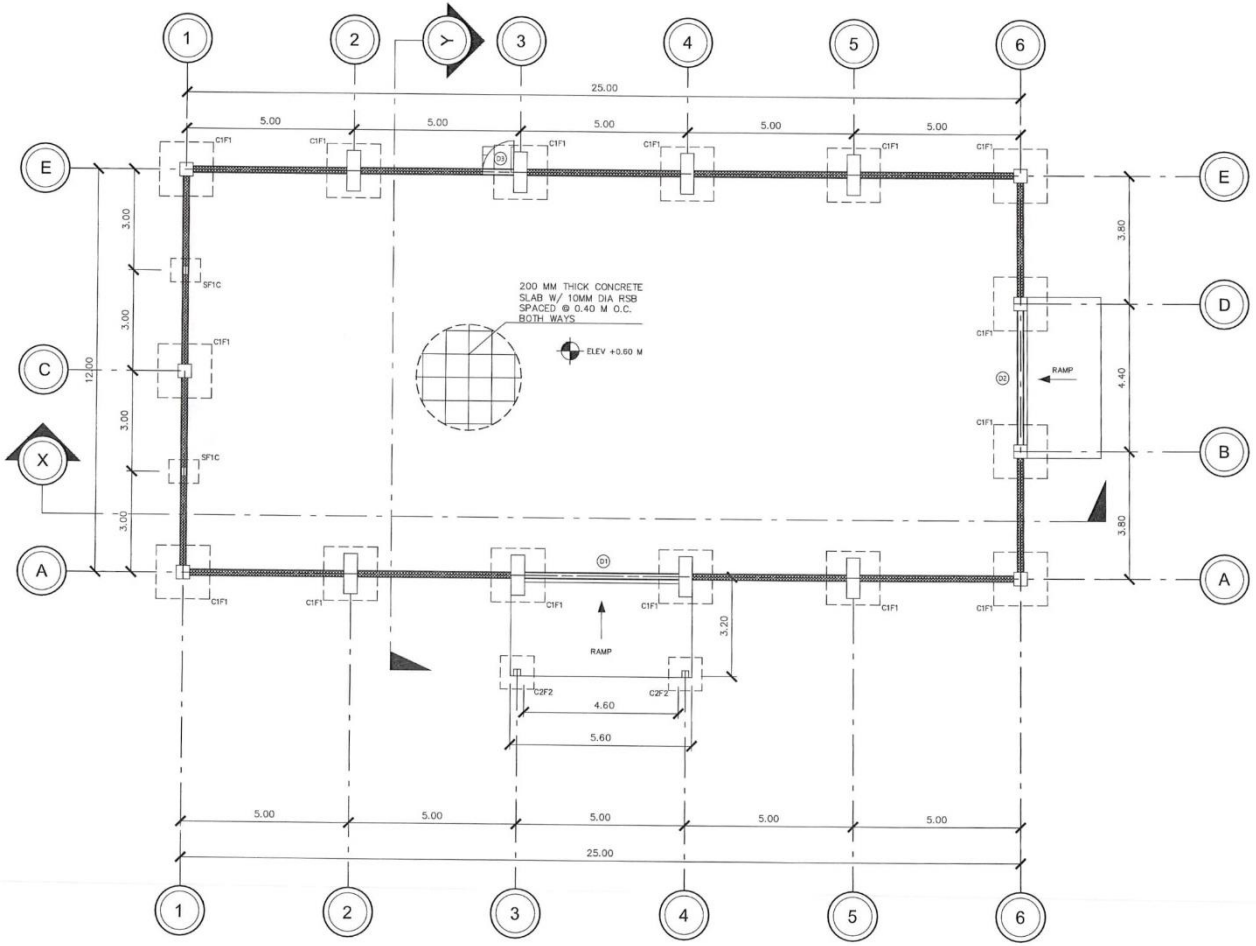

FOUNDATION PLAN

S-1 | SCALE 1:70 MTS | SIZE A3

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LEGENDS:

D / DOOR NO.	DOOR SCHEDULE
W / WINDOW NO.	WINDOW SCHEDULE
	FLOOR ELEVATION
	0.15 M THICK CONCRETE WALL
C1F1	400X400 MM CONCRETE COLUMN W/ 1.60X1.60MX300MM THICK FOUNDATION
WF-1	WALL FOOTING WITH 6" THICK CHB
FTB-1	350X300MM FOOT TIE BEAM

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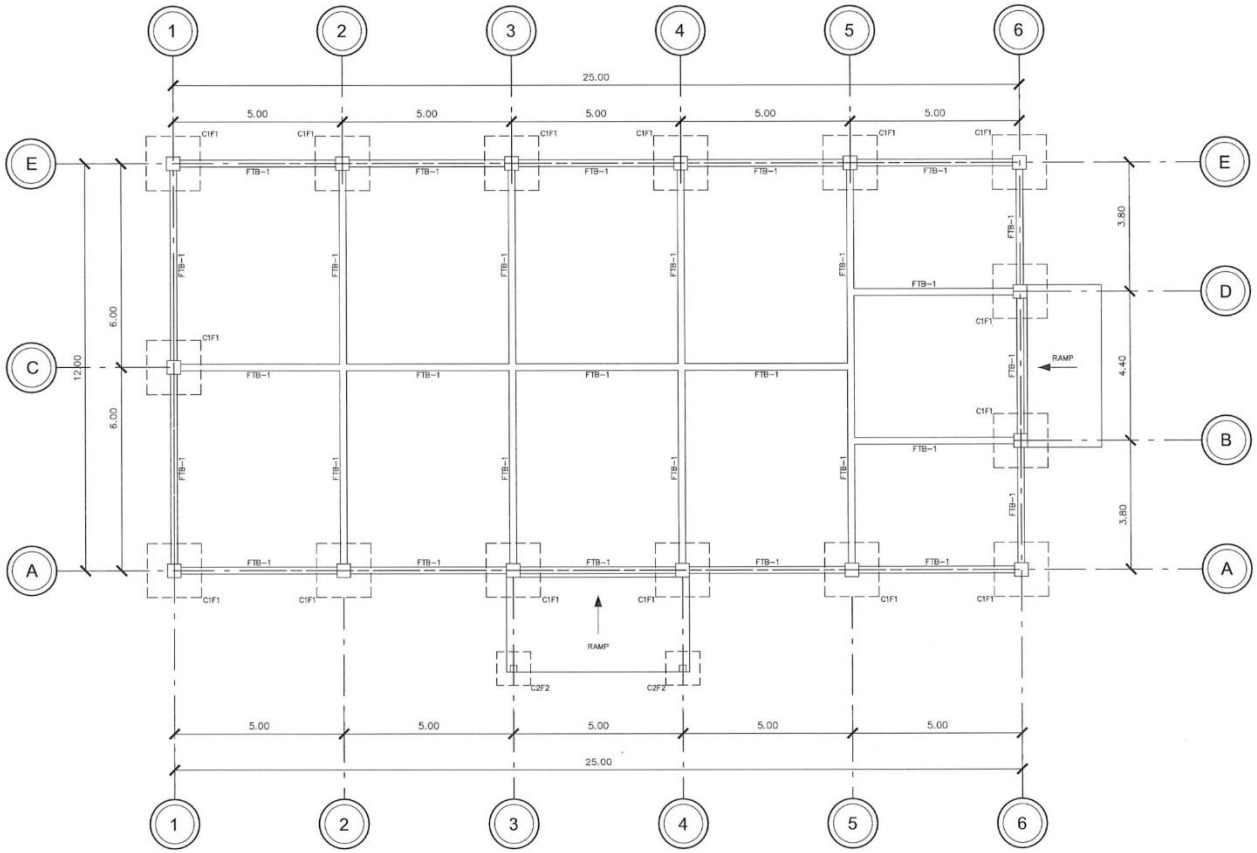

FOOT TIE BEAM PLAN

S-2

SCALE 1:70 MTS
SIZE A3

Republic of the Philippines
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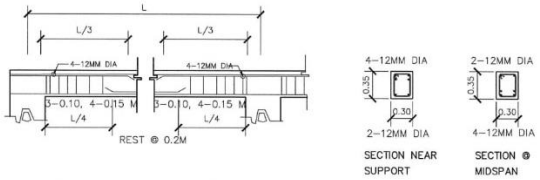

1 S-3 ROOF BEAM & INTERMEDIATE BEAM DETAILS

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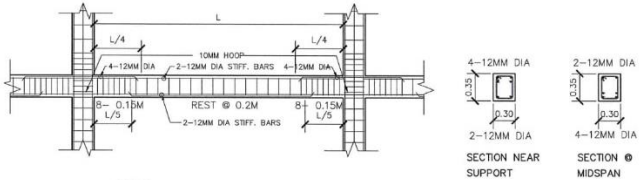
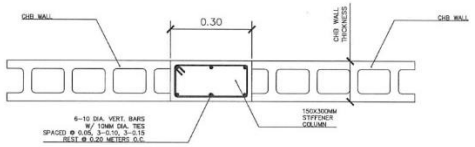
SIZE A3



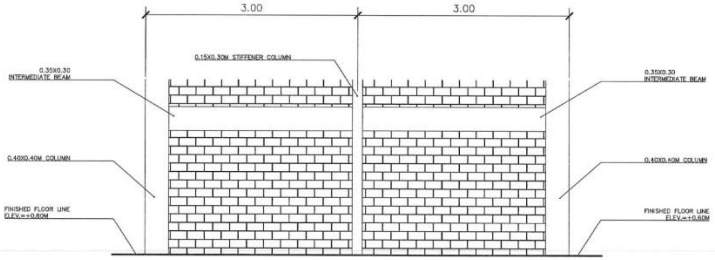
2 S-3 FOOT TIE BEAM DETAILS

SCALE NTS
SIZE A3



3 S-3 TYP. STIFFENER COLUMN DETAILS

SCALE NTS
SIZE A3



4 S-3 TYP. MASONRY WALL DETAILS

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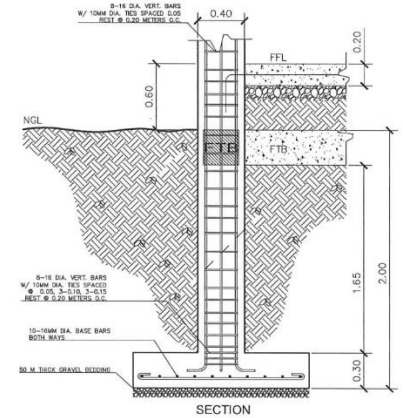

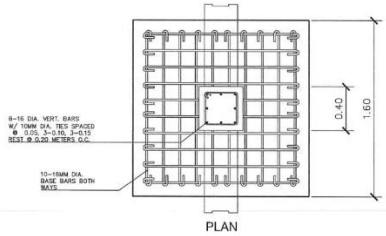

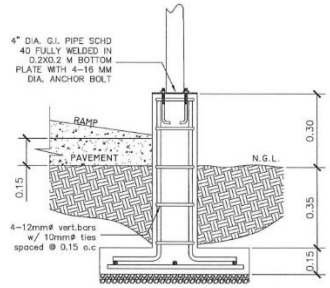

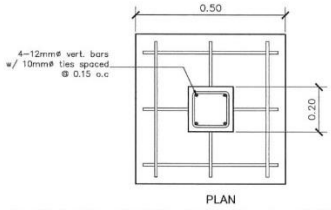

5 S-3 COLUMN FOOTING DETAILS

SCALE NTS
SIZE A3

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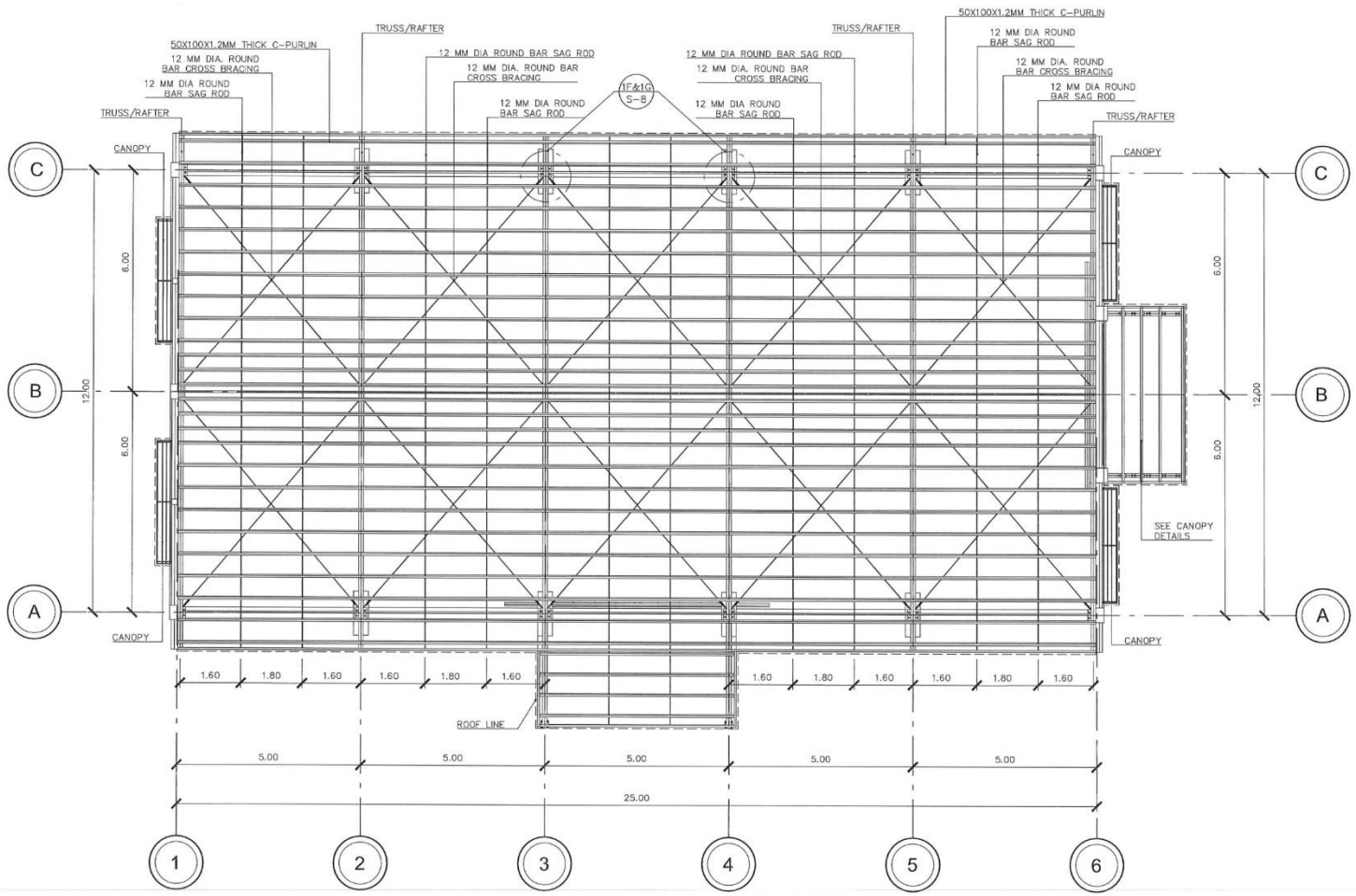

ROOF FRAMING PLAN

I / S-4

SCALE 1:80 MTS
SIZE A3

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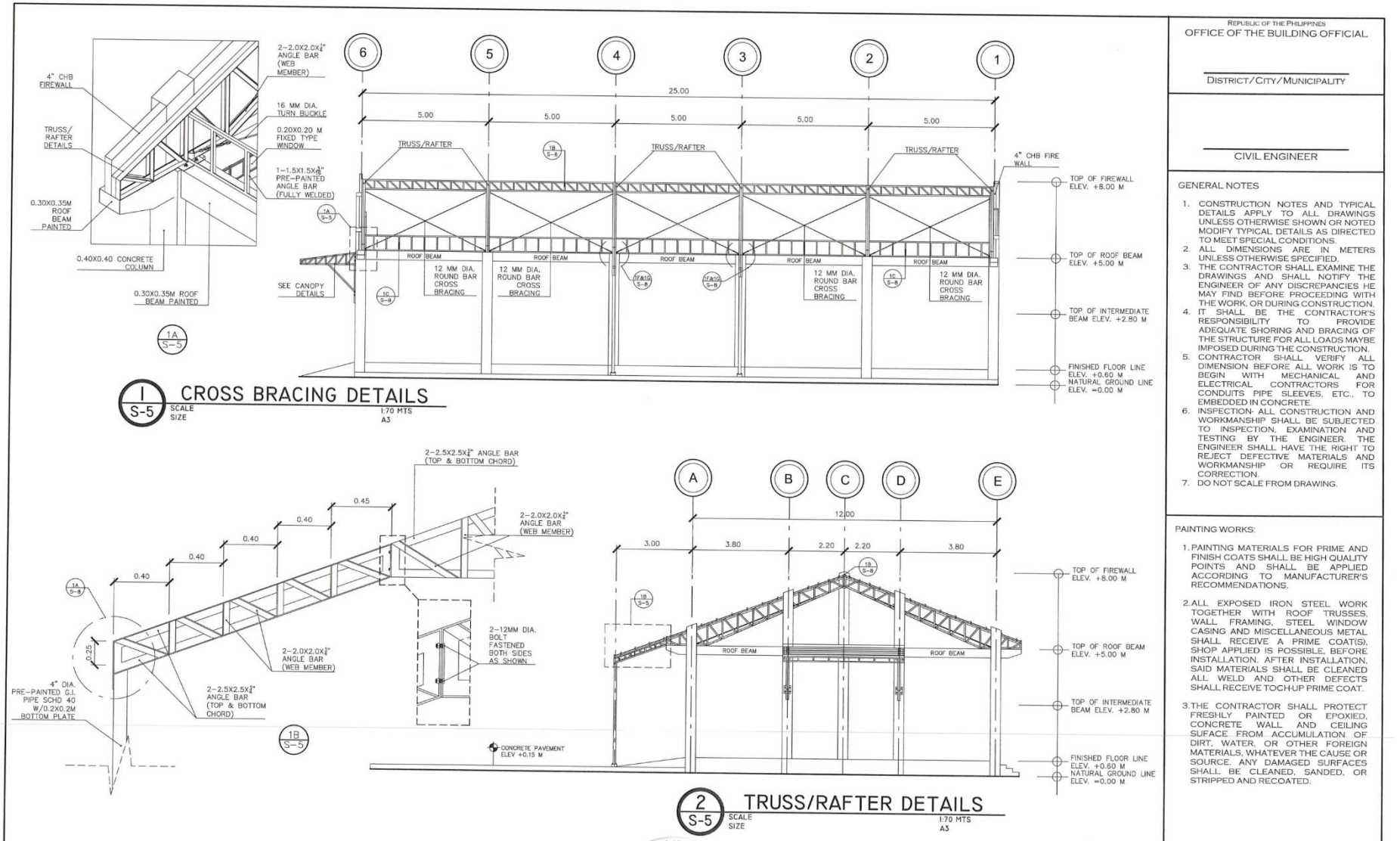

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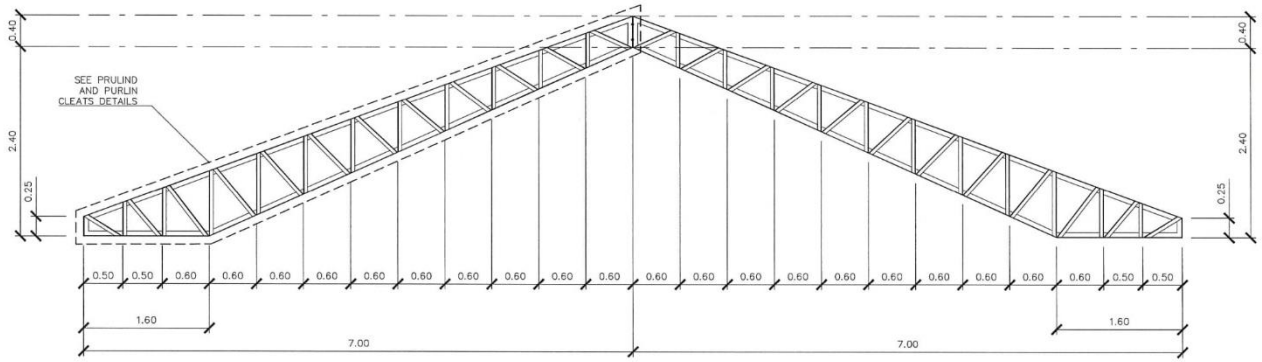

1 / S-6 TRUSS/RAFTER DETAILS

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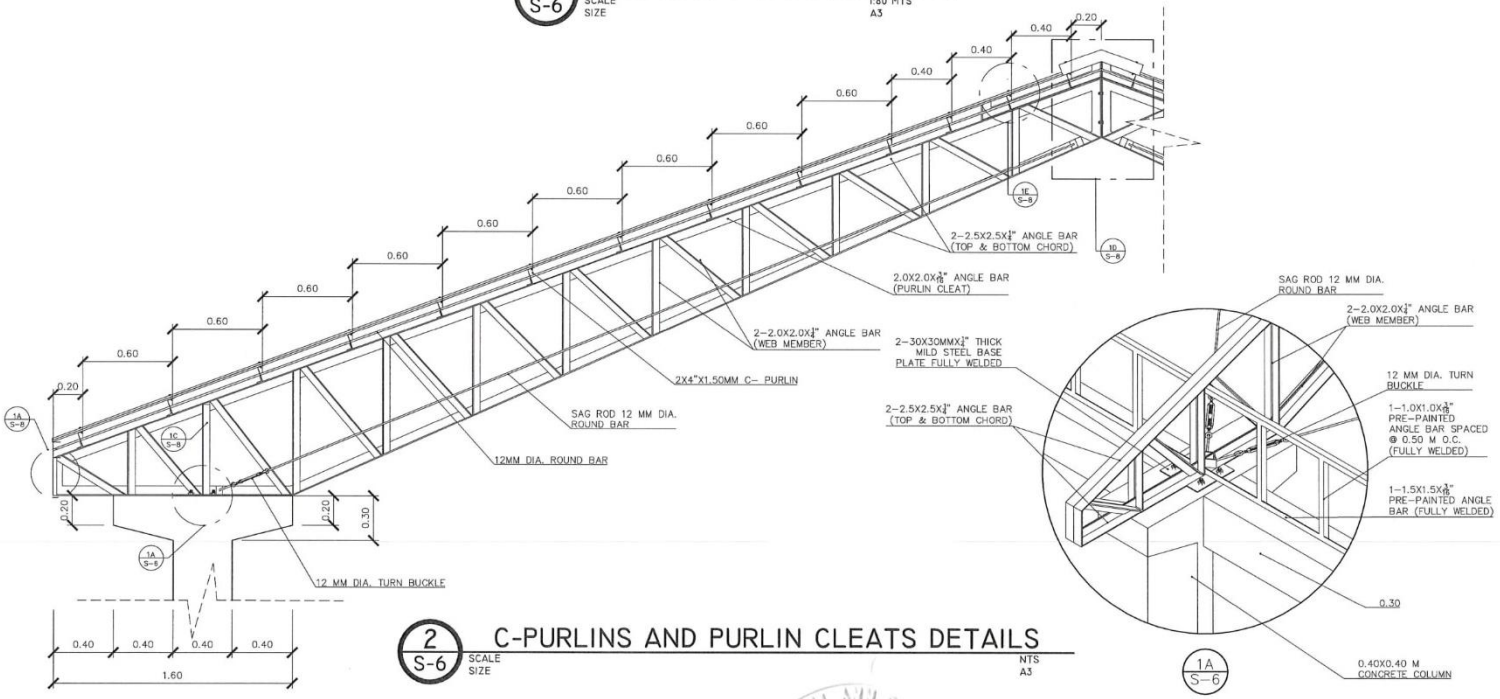
SIZE A3



2 / S-6 C-PURLINS AND PURLIN CLEATS DETAILS

SCALE NTS
SIZE A3

1A / S-6

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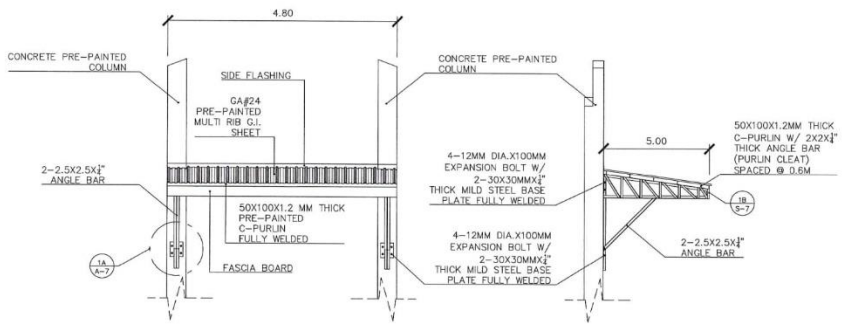
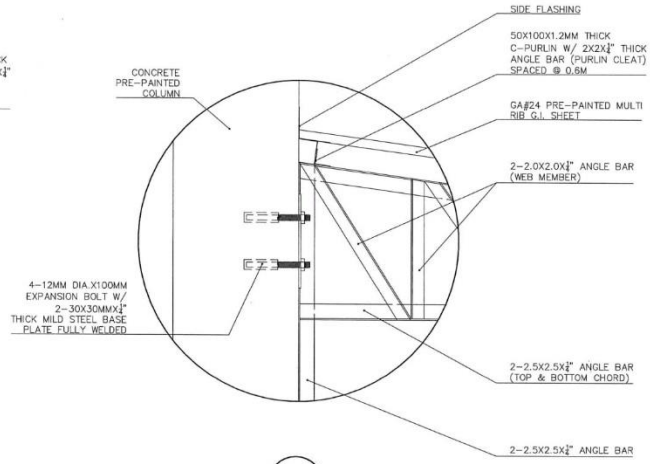
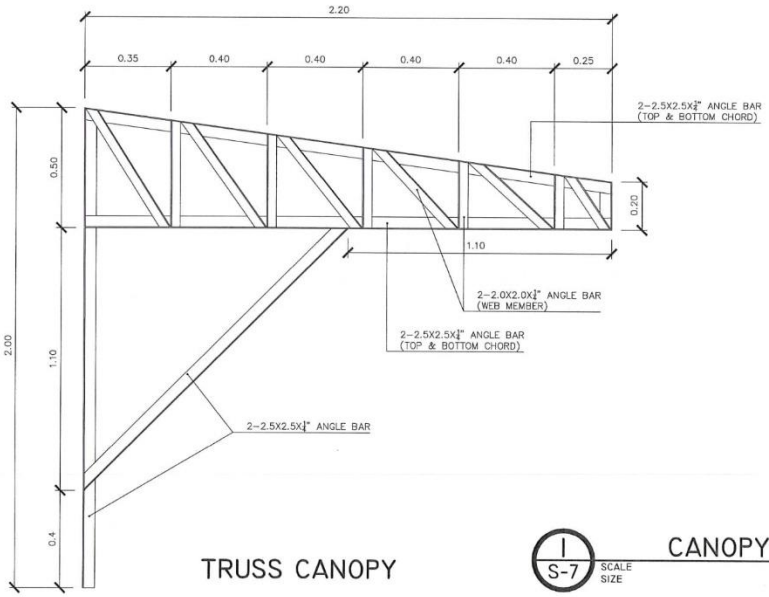


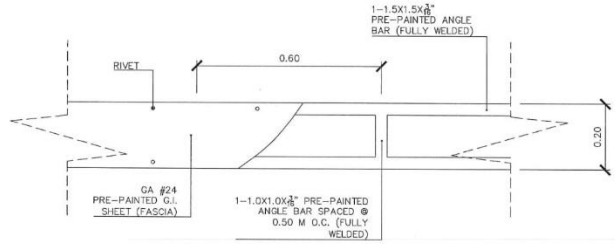
FRONT VIEW SIDE VIEW



1A S-7



TRUSS CANOPY



1B S-7

I S-7 CANOPY DETAILS

SCALE NTS
SIZE A3

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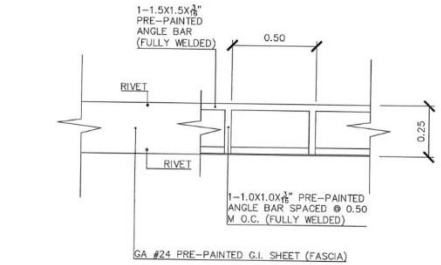

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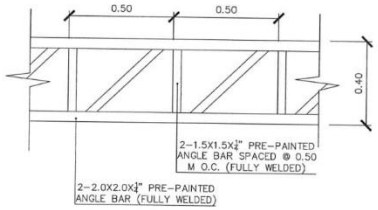

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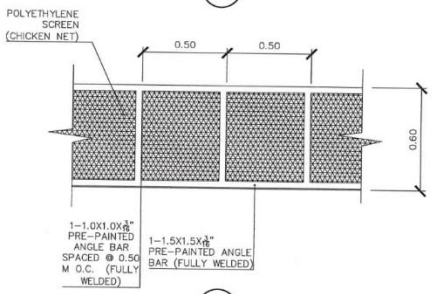

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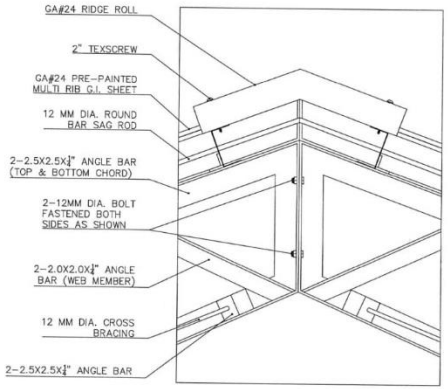

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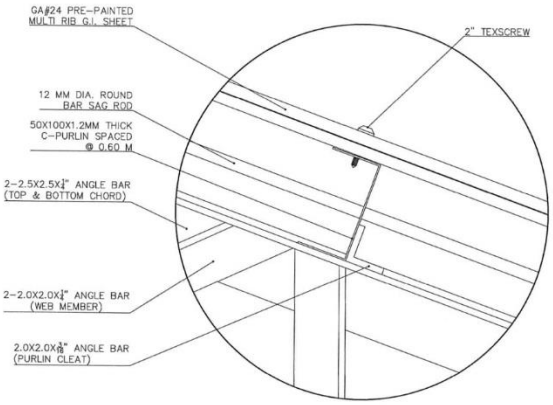

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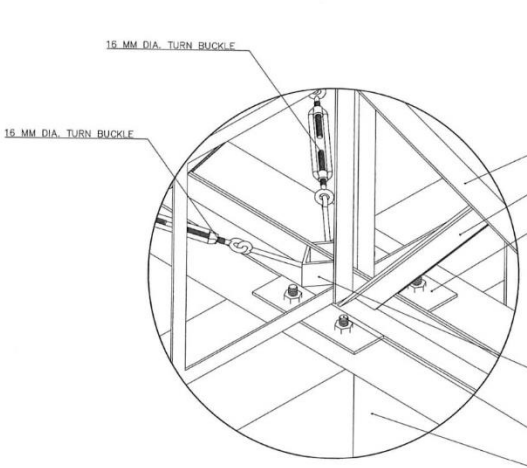
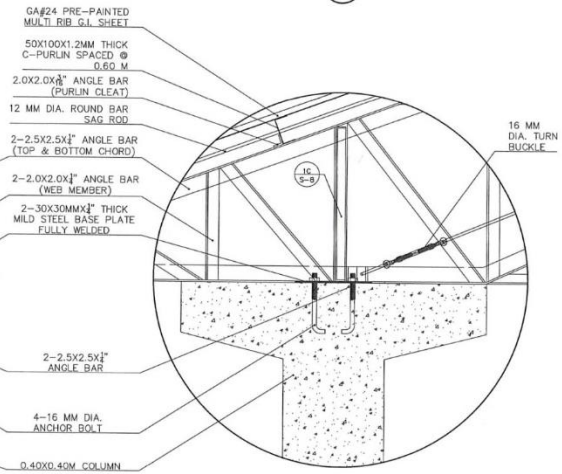


1F S–8



1G S–8

REPUBLIC OF THE PHILIPPINES
OFFICE OF THE BUILDING OFFICIAL

DISTRICT/CITY/MUNICIPALITY

CIVIL ENGINEER

GENERAL NOTES

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6. INSPECTION- ALL CONSTRUCTION AND WORKMANSHIP SHALL BE SUBJECTED TO INSPECTION, EXAMINATION AND TESTING BY THE ENGINEER. THE ENGINEER SHALL HAVE THE RIGHT TO REJECT DEFECTIVE MATERIALS AND WORKMANSHIP OR REQUIRE ITS CORRECTION.

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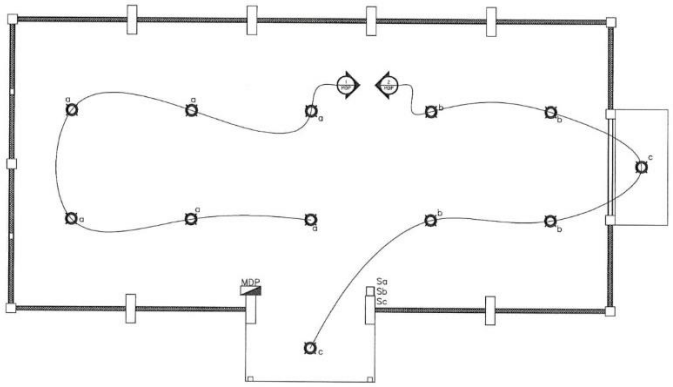
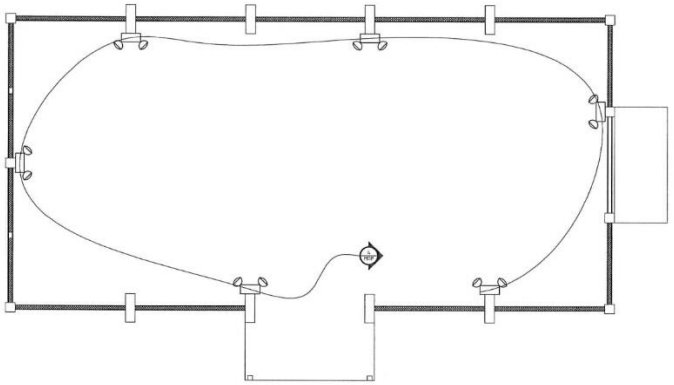
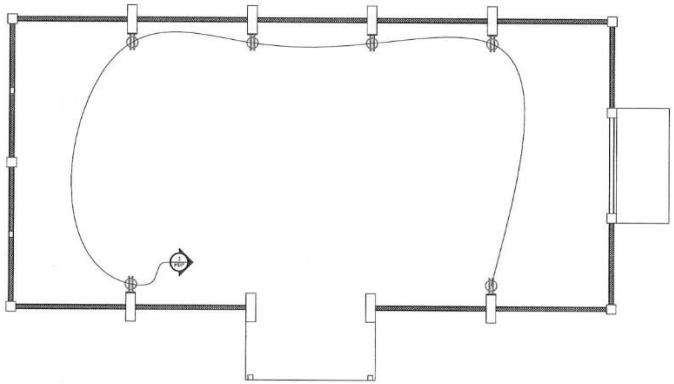


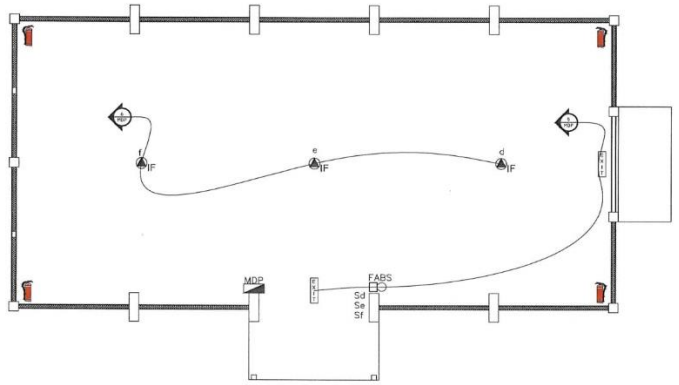
1 / E-1 LIGHTING OUTLET LAYOUT
SCALE 1:50 MTS
SIZE A3



2 / E-1 EMERGENCY LIGHT LAYOUT
SCALE 1:50 MTS
SIZE A3



3 / E-1 CONVENIENCE OUTLET LAYOUT
SCALE 1:50 MTS
SIZE A3



4 / E-1 FIRE ALARM & EXIT SIGN
SCALE 1:50 MTS
SIZE A3

REPUBLIC OF THE PHILIPPINES
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2. THE ELECTRICAL SERVICE POWER IS 1 - PHASE, 2 WIRE + GROUND 230 V AC, 60Hz.
3. WIRING METHOD SHALL BE AS FOLLOWS :
   3.1. FEEDERS AND RISERS - RIGID STEEL CONDUIT
   3.2. LIGHTING, POWER RECEPTACLE BRANCH CKT.: AUXILLARY - POLYVINYL CHLORIDE CONDUIT
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5. ALL OUTLET BOXES SHALL BE GALVANIZED GAGE NO. 16 DEEP TYPE WITH FACTORY KNOCKOUTS
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7. EQUIPMENT GROUNDING SYSTEM SHALL BE PROVIDED TO ELECTRICAL SYSTEM AS PER ELECTRICAL CODE REQUIREMENT.
8. MOUNTING HEIGHT OF WIRING DEVICES SHALL BE AS FOLLOWS :

A. LIGHT SWITCH	- 1.20 M ABOVE FINISHED FLOOR
B. CONVENIENCE OUTLET	- 0.30 M ABOVE FINISHED FLOOR
C. PANEL BOARD	- 1.80 M ABOVE FINISHED FLOOR
D. FIRE ALARM STATION OUTLET	- 1.50 ABOVE FINISHED FLOOR
E. PUSH BUTTON OUTLET	- 1.20 M ABOVE FINISHED FLOOR
F. FIRE ALARM AND VIBRATING BELL	- 0.30 M BELOW CEILING LINE
G. ABOVE THE COUNTER RECEPTACLE OUTLETS	- 0.25 M ABOVE THE COUNTER
H. ACCUIS-TONNNER/ OUTLETS	- 1.8M ABOVE FINISH FLOOR

LEGEND :

	100W LED
	150W LED HI BAY LUMINAIRE
	DUPLEX CONVENIENCE OUTLET
IF	INDUSTRIAL FAN
EF	EXHAUST FAN
	EMERGENCY LIGHT
FABS	FIRE ALARM BELL & SWITCH
	FIRE EXIT SIGN
	PANELBOARD
	CIRCUIT BREAKER
Sabc	3-GANG SWITCH
Sde	2-GANG SWITCH
	CIRCUIT HOMERUN
	CIRCUIT RUN
	FIRE EXTINGUISHER

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LOAD SCHEDULE

MAIN DISTRIBUTION PANEL FEEDER BREAKER: 200 AT, 2 Pole, 240 V FEEDER CONDUCTOR 2- 8 mm² & 1- 5.5 mm² THW Stranded Wire in 32 mmØ RSC

CIRCUIT NUMBER	DESCRIPTION OF LOAD	VA LOAD	CURRENT	CIRCUIT BREAKER			CONDUCTOR		CONDUIT	
				POLE	FRAME	TRIP	SIZE	TYPE	DIAMETER	TYPE
1	6 X 150W LED HI BAY LUMINAIRE	900	3.91	2	225	15 A	2 - 3.5 mm² & 1 - 3.5 mm² (G)	THHN	20 mm	uPVC
2	4 X 150W LED HI BAY LUMINAIRE	600	2.61	2	225	15 A	2 - 3.5 mm² & 1 - 3.5 mm² (G)	THHN	20 mm	uPVC
	2 X 100W LIGHT	200	0.86	2	225	15 A	2 - 3.5 mm² & 1 - 3.5 mm² (G)	THHN	20 mm	uPVC
3	2-6 X 180W CONVENIENCE OUTLET	2,160	9.39	2	225	20 A	2 - 3.5 mm² & 1 - 3.5 mm² (G)	THHN	20 mm	uPVC
4	6 X 100W EMERGENCY LIGHT	600	2.61	2	225	20 A	2 - 3.5 mm² & 1 - 3.5 mm² (G)	THHN	20 mm	uPVC
5	1 X 200W FIRE ALARM BELL	200	0.96	2	225	20 A	2 - 3.5 mm² & 1 - 3.5 mm² (G)	THHN	20 mm	uPVC
	2 X 10W FIRE EXIT SIGN	20								
6	3 X 320W INDUSTRIAL FAN	960	4.17	2	225	20 A	2 - 3.5 mm² & 1 - 3.5 mm² (G)	THHN	20 mm	uPVC
7	1 X 5 kW SPARE CIRCUIT	5000	21.74	2	225	40 A	2 - 8.0 mm² & 1 - 5.5 mm² (G)	THHN	25 mm	uPVC
8	1 X 5 kW SPARE CIRCUIT	5000	21.74	2	225	40 A	2 - 8.0 mm² & 1 - 5.5 mm² (G)	THHN	25 mm	uPVC
TOTAL PHASE CURRENT		15,640	68							

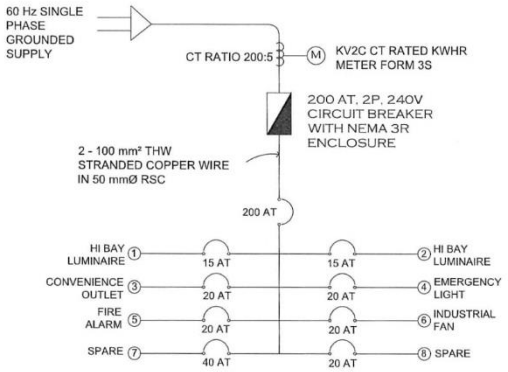
COMPUTATION

TOTAL CONNECTED LOAD = 15,640 VA / 1000 = 15.64 kVA

I_{FL} = 14.68 kVA / (230 V) = 68 X 80% DEMAND FACTOR = 55 A
USE 200 AT, 2P, 240V MOLDED CASE CIRCUIT BREAKER
USE 2 - 8.0 mm² & 1 - 5.5 mm² THW STRANDED COPPER WIRE IN 32 mmØ RSC

I E-2 LINE DIAGRAM

SCALE NTS
SIZE A3



REPUBLIC OF THE PHILIPPINES
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- 150W LED HI BAY LUMINAIRE
- DUPLEX CONVENIENCE OUTLET
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- EF — EXHAUST FAN
- EMERGENCY LIGHT
- FABS — FIRE ALARM BELL & SWITCH
- FIRE EXIT SIGN
- PANELBOARD
- CIRCUIT BREAKER
- Sabc — 3-GANG SWITCH
- Sde — 2-GANG SWITCH
- CIRCUIT HOMERUN
- CIRCUIT RUN
- FIRE EXTINGUISHER

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STRIPPING SHED
PERSPECTIVE
SCALE (A3) NTS

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REPUBLIC OF THE PHILIPPINES
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MUNICIPAL ENGINEER

ARCHITECTURAL

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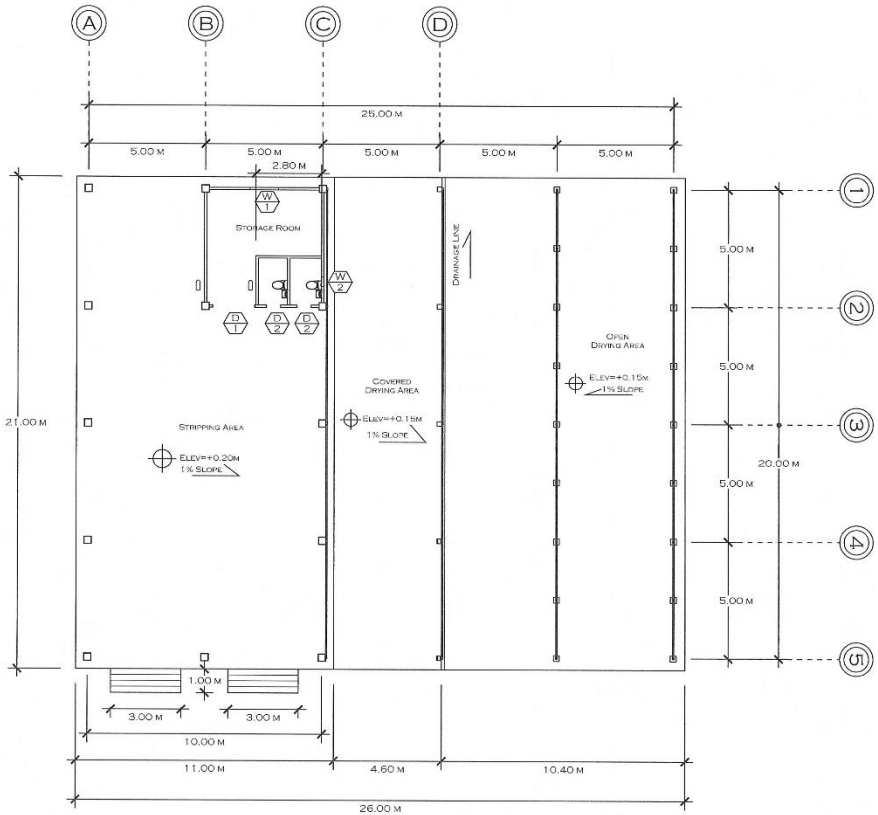

STRIPPING SHED

GROUND FLOOR PLAN

A / A 2 4

SCALE (A3) 1M:200M

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SYMBOLS:	
D / DOOR NO.	DOOR SCHEDULE
W / WINDOW NO.	WINDOW SCHEDULE
	FLOOR ELEVATION
	100MM THK CHB PLAIN CEMENT PLASTER PAINTED FINISH
	PROVISION FOR FIRE EXTINGUISHER

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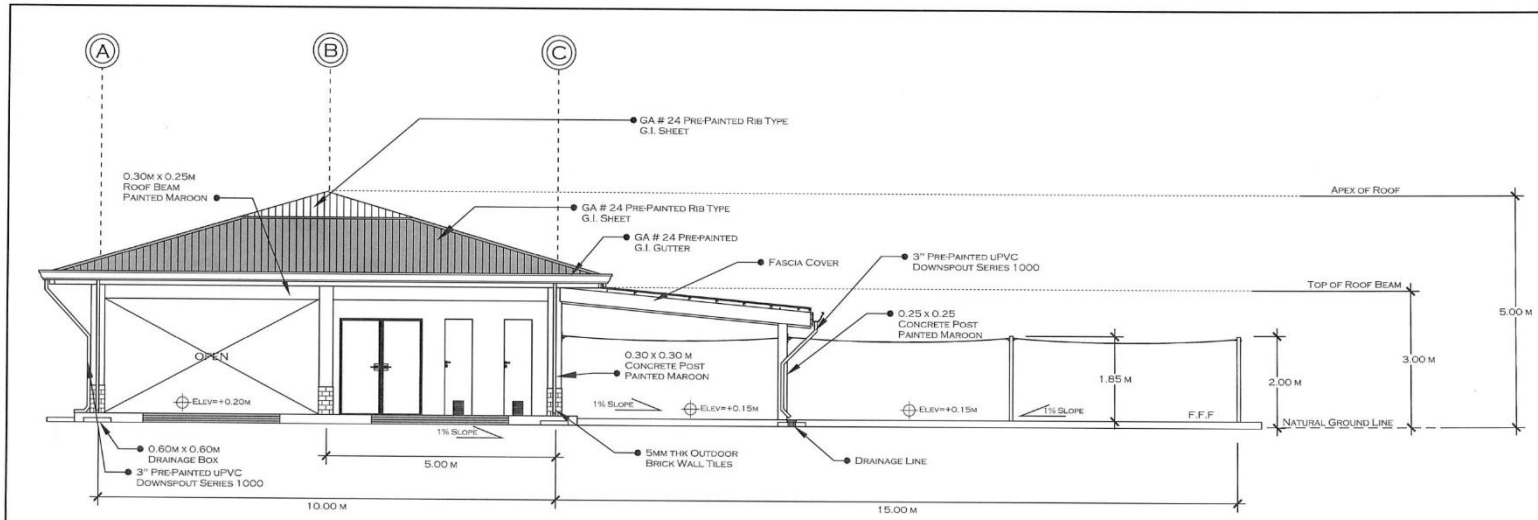
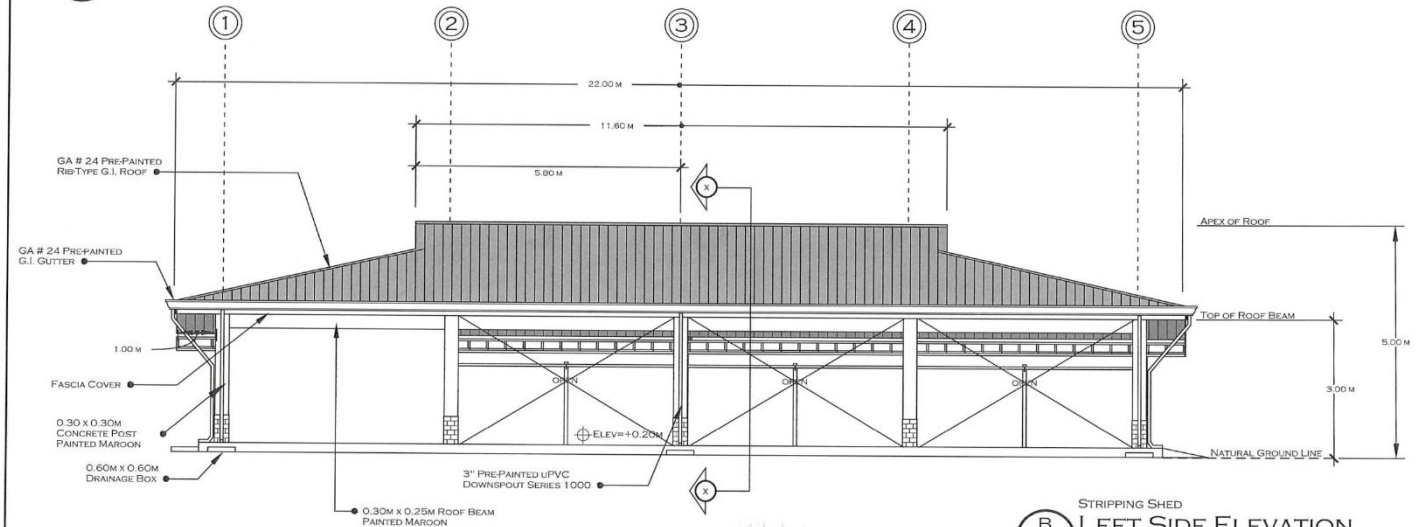


STRIPPING SHED

A (A3 | A4) FRONT SIDE ELEVATION

SCALE (A3) 1M:100M



STRIPPING SHED

B (A3 | A4) LEFT SIDE ELEVATION

SCALE (A3) 1M:100M

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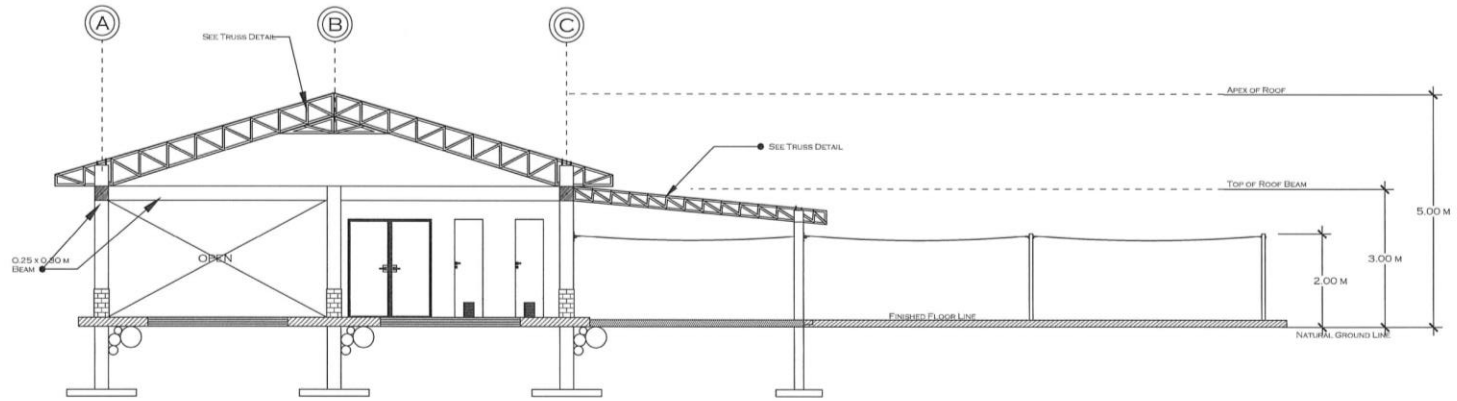
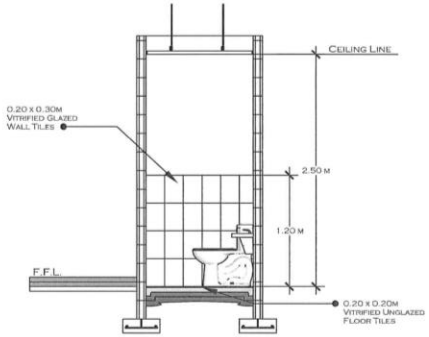
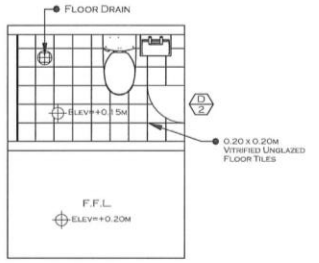


STRIPPING SHED

SECTION THRU "XX"

A | A4 | A4 — SCALE (A3) — 1M:100M

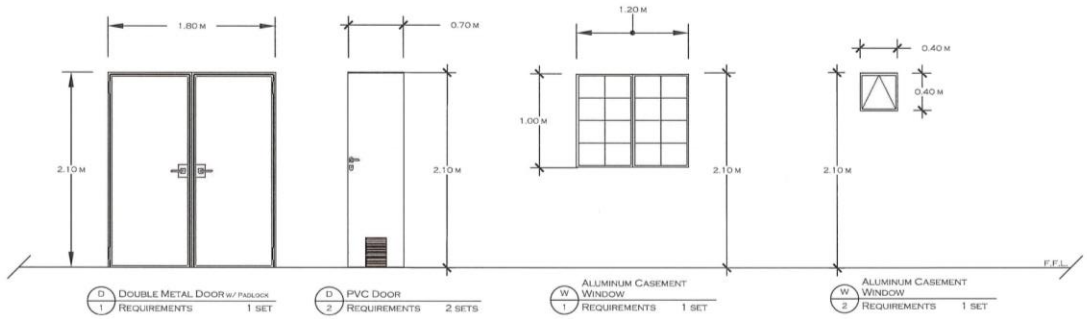




PINEAPPLE PROCESSING CENTER

BATHROOM DETAILS

B | A4 | A4 — SCALE (A3) — 1M:50M



STRIPPING SHED

SCHEDULE OF DOORS AND WINDOWS

C | A4 | A4 — SCALE (A3) — 1M:50M

REPUBLIC OF THE PHILIPPINES
OFFICE OF THE BUILDING OFFICIAL

MUNICIPAL ENGINEER

ARCHITECTURAL

GENERAL NOTES:

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2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ADEQUATE SHORING AND BRACING OF THE STRUCTURE FOR ALL LOADS THAT MAY BE IMPOSED DURING CONSTRUCTION.

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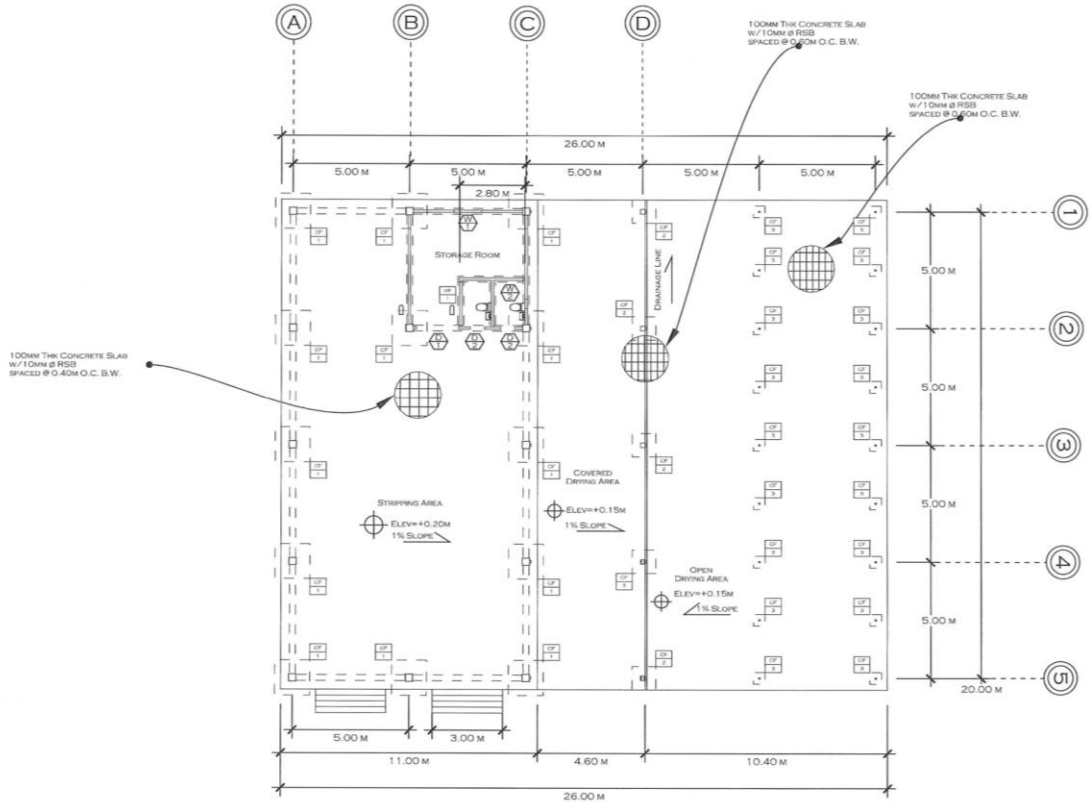
2. PAINTING MATERIALS FOR PRIME AND FINISH COATS SHALL BE HIGH QUALITY POINTS AND SHALL BE APPLIED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

3. ALL EXPOSED IRON STEEL WORKS TOGETHER WITH ROOF TRUSSES, WALL FRAMING, STEEL WINDOW CASING AND MISCELLANEOUS METALS SHALL RECEIVE A PRIME COAT(S), SHOP APPLIED IS POSSIBLE, BEFORE INSTALLATION. AFTER INSTALLATION, SAID MATERIALS SHALL BE CLEANED. ALL WELD AND OTHER DEFECTS SHALL RECEIVE TOUCH-UP PRIME COAT..

OWNER	PROJECT TITLE/LOCATION	SHEET CONTENT	DRAWN/PREPARED BY:	REVIEWED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	
PHILIPPINE FIBER INDUSTRY DEVELOPMENT AUTHORITY 3/F DA-PCAF BLDG. DEPARTMENT OF AGRICULTURE, ELLIPTICAL ROAD, DILIMAN, QUEZON CITY	ABACA PROCESSING CENTER BUILDINGS/FACILITIES UNDER HIBLA FARMIING JOSEFINA, ZAMBOANGA DEL SUR	AS SHOWN	ENGR. LIAM ROBER A. LAGARTO ENGINEER I PROFESSION: AGRICULTURAL AND BIOSYSTEMS ENGINEER PRC LICENSE #: 001 1,377 VALIDITY: 11/07/24	ENGR. ROMY ALVIN D. DOMINGO FIBER DEVELOPMENT OFFICER II/HEAD, EPDSS PROFESSION: AGRICULTURAL AND BIOSYSTEMS ENGINEER PRC LICENSE #: 0007674 VALIDITY:	ALMA MARIA K. SANTOS OIC, INTERIM FIBER ENGINEERING DIVISION	EVELYN B. CAGASAN, MM OIC, EXECUTIVE DIRECTOR	A4 4 | 18



STRIPPING SHED

FOUNDATION PLAN

A SS 19

SCALE (A3) 1M:200M

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OFFICE OF THE BUILDING OFFICIAL

MUNICIPAL ENGINEER

STRUCTURAL

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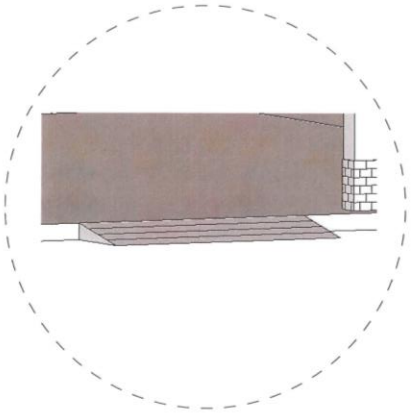
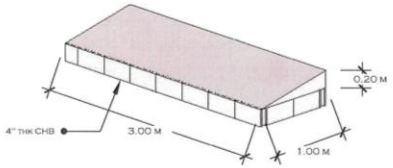
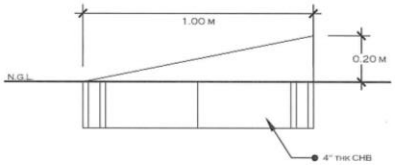
SYMBOLS:

D No.	DOOR SCHEDULE
W No.	WINDOW SCHEDULE
	FLOOR ELEVATION
	100MM THK CHB PLAIN CEMENT PLASTER PAINTED FINISH
CF 1	300 x 300 x 4000MM CONCRETE COLUMN W/ 150MM THK FOUNDATION
CF 2	250 x 250 x 3200MM CONCRETE COLUMN W/ 150MM THK FOUNDATION
CF 3	250 x 250 x 300MM CONCRETE COLUMN
WF 1	100MM THK CHB WALL W/ 150MM THK FOUNDATION
	PROVISION FOR FIRE EXTINGUISHER

OWNER	PROJECT TITLE/LOCATION	SHEET CONTENT	DRAWN/PREPARED BY:	REVIEWED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	
PHILIPPINE FIBER INDUSTRY DEVELOPMENT AUTHORITY 3/F DA-PCAF BLDG. DEPARTMENT OF AGRICULTURE, ELLIPTICAL ROAD, DILIMAN, QUEZON CITY	ABACA PROCESSING CENTER BUILDINGS/FACILITIES UNDER HIBLA FARMIING JOSEFINA, ZAMBOANGA DEL SUR	AS SHOWN	ENGR. LIAM ROBER A. LAGARTO ENGINEER I PROFESSION : AGRICULTURAL AND BIOSYSTEMS ENGINEER PRC LICENSE # : 0011377 VALIDITY : 11/07/24	ENGR. ROMY ALVIN D. DOMINGO FIBER DEVELOPMENT OFFICER II/HEAD, EPDSS PROFESSION : AGRICULTURAL AND BIOSYSTEMS ENGINEER PRC LICENSE # : 0007614 VALIDITY :	ALMA MARIA K. SANTOS OIC, INTERIM FIBER ENGINEERING DIVISION	EVELYN B. CAGASAN, MM OIC, EXECUTIVE DIRECTOR	S1 5 18





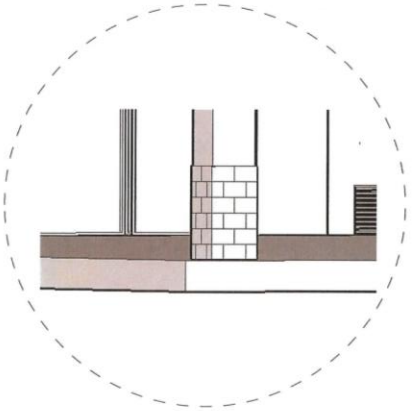


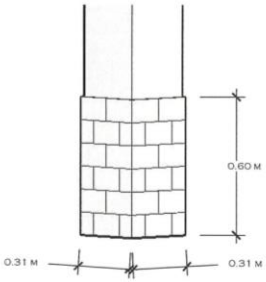
STRIPPING SHED

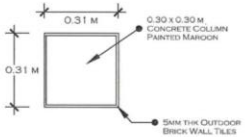
A | S 2 | S 9

RAMP UP DETAILS

SCALE (A3) NTS







STRIPPING SHED

B | S 2 | S 9

BRICK TILE DETAILS

SCALE (A3) NTS

REPUBLIC OF THE PHILIPPINES
OFFICE OF THE BUILDING OFFICIAL

MUNICIPAL ENGINEER

STRUCTURAL

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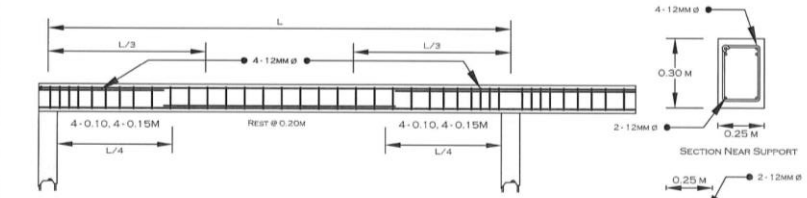

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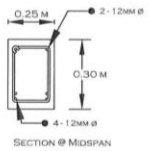


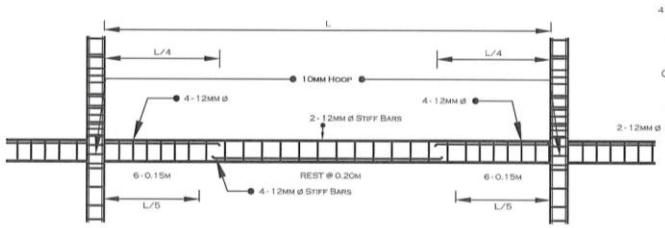
SECTION @ MIDSPAN

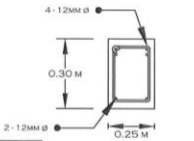
STRIPPING SHED

A S S 3 9

ROOF BEAM DETAILS

SCALE (A3) NTS





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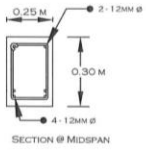


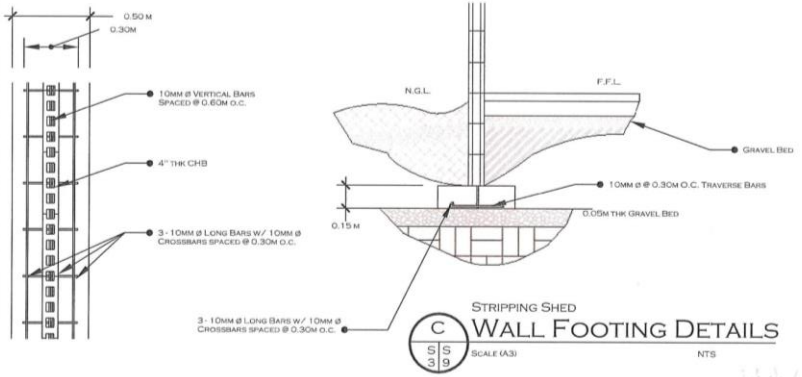
SECTION @ MIDSPAN

STRIPPING SHED

B S S 3 9

TIE BEAM DETAILS

SCALE (A3) NTS

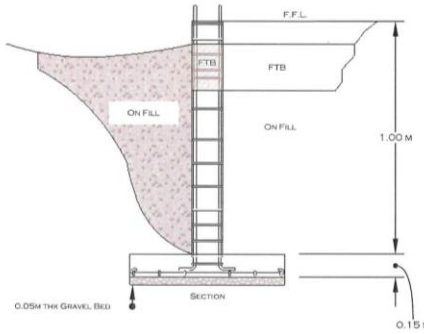


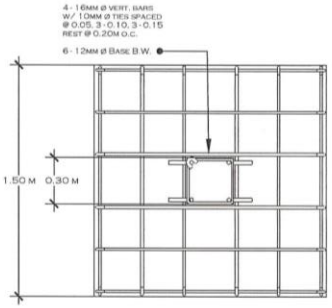
STRIPPING SHED

C S S 3 9

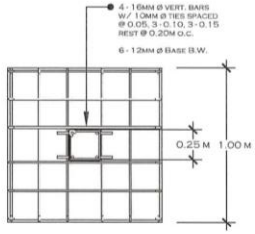
WALL FOOTING DETAILS

SCALE (A3) NTS

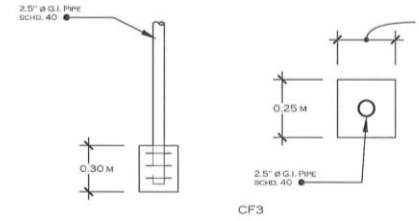




CF1



CF2



CF3

STRIPPING SHED

D S S 3 9

COLUMN FOOTING DETAILS

SCALE (A3) NTS

REPUBLIC OF THE PHILIPPINES
OFFICE OF THE BUILDING OFFICIAL

MUNICIPAL ENGINEER

STRUCTURAL

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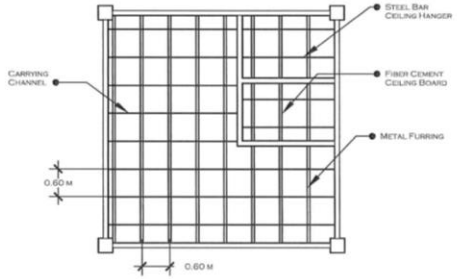
PHILIPPINE FIBER INDUSTRY DEVELOPMENT AUTHORITY 3/F DA-PCAF BLDG, DEPARTMENT OF AGRICULTURE, ELLIPTICAL ROAD, DILIMAN, QUEZON CITY	ABACA PROCESSING CENTER BUILDINGS/FACILITIES UNDER HIBLA FARMING JOSEFINA, ZAMBOANGA DEL SUR	AS SHOWN	ENGR. LIAM ROBER A. LAGARTO ENGINEER I PROFESSION: AGRICULTURAL AND BIOSYSTEMS ENGINEER PRC LICENSE #: 0011377 VALIDITY: 11/07/24	ENGR. ROMY ALVIN D. DOMINGO FIBER DEVELOPMENT OFFICER II/HEAD, EPDSS PROFESSION: AGRICULTURAL AND BIOSYSTEMS ENGINEER PRC LICENSE #: 0007874 VALIDITY:	ALMA MARIA K. SANTOS OIC, INTERIM FIBER ENGINEERING DIVISION	EVELYN G. CAGASAN, MM OIC, EXECUTIVE DIRECTOR	S3 7 18

4 x 8' x 4.5mm thk Fiber Cement Ceiling Board

10mm ø Steel Bar Ceiling Hangers spaced @ 1.20m o.c. b.w.

19mm x 50mm x 0.50mm thk Metal Furring Ceiling Joists spaced @ 0.60m o.c.

12mm x 38mm x 0.50mm thk Carrying Channel spaced @ 0.60m o.c.

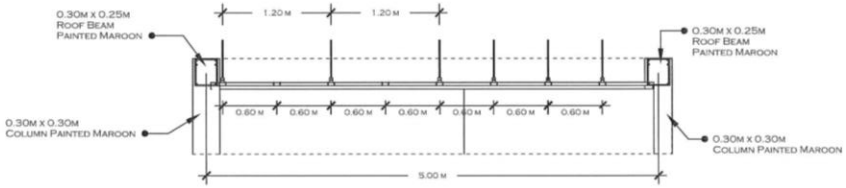


Stripping Shed

A | S S / 4 9

Reflected Ceiling Plan

Scale (A3) NTS

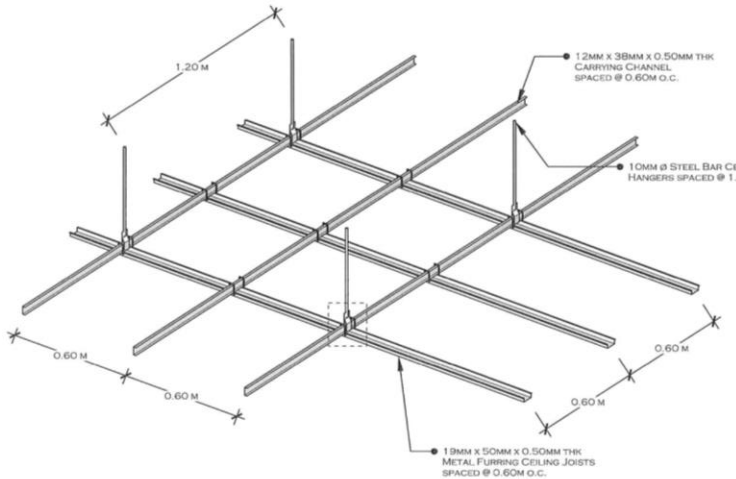


Stripping Shed

C | S S / 4 9

Ceiling Section

Scale (A3) NTS

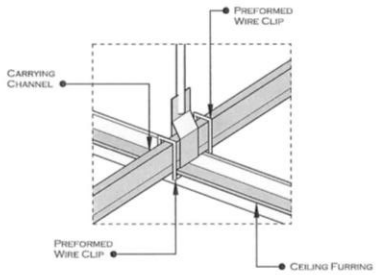


Stripping Shed

B | S S / 4 9

Perspective View (Ceiling)

Scale (A3) NTS



Stripping Shed

D | S S / 4 9

Channel Spot Detail

Scale (A3) NTS

Republic of the Philippines
Office of the Building Official

Municipal Engineer

Architectural

GENERAL NOTES:

1. All dimensions are in Meter, or unless otherwise specified.

2. It shall be the contractor's responsibility to provide adequate shoring and bracing of the structure for all loads that may be imposed during construction.

3. The contractor shall verify all dimensions and drawings before all works begin, or during construction.

4. All construction and workmanship shall be subjected to inspection, examination and testing by the engineer. The engineer shall have the right to reject defective materials and workmanship or require its correction.

5. Construction notes and typical details apply to all drawings unless otherwise shown or noted to modify typical details as directed to meet special conditions.

6. Plan is subject to actual verification.

PAINTING WORKS:

1. The contractor shall protect freshly painted or epoxied, concrete wall and ceiling surface from accumulation of dirt, water, or other foreign materials, whatever the cause or source. Any damaged surfaces shall be cleaned, sanded, or stripped and recoated.

2. Painting materials for prime and finish coats shall be high quality points and shall be applied according to manufacturer's recommendations.

3. All exposed iron steel works together with roof trusses, wall framing, steel window casing and miscellaneous metals shall receive a prime coat(s), shop applied is possible, before installation. After installation, said materials shall be cleaned. All weld and other defects shall receive touch-up prime coat.

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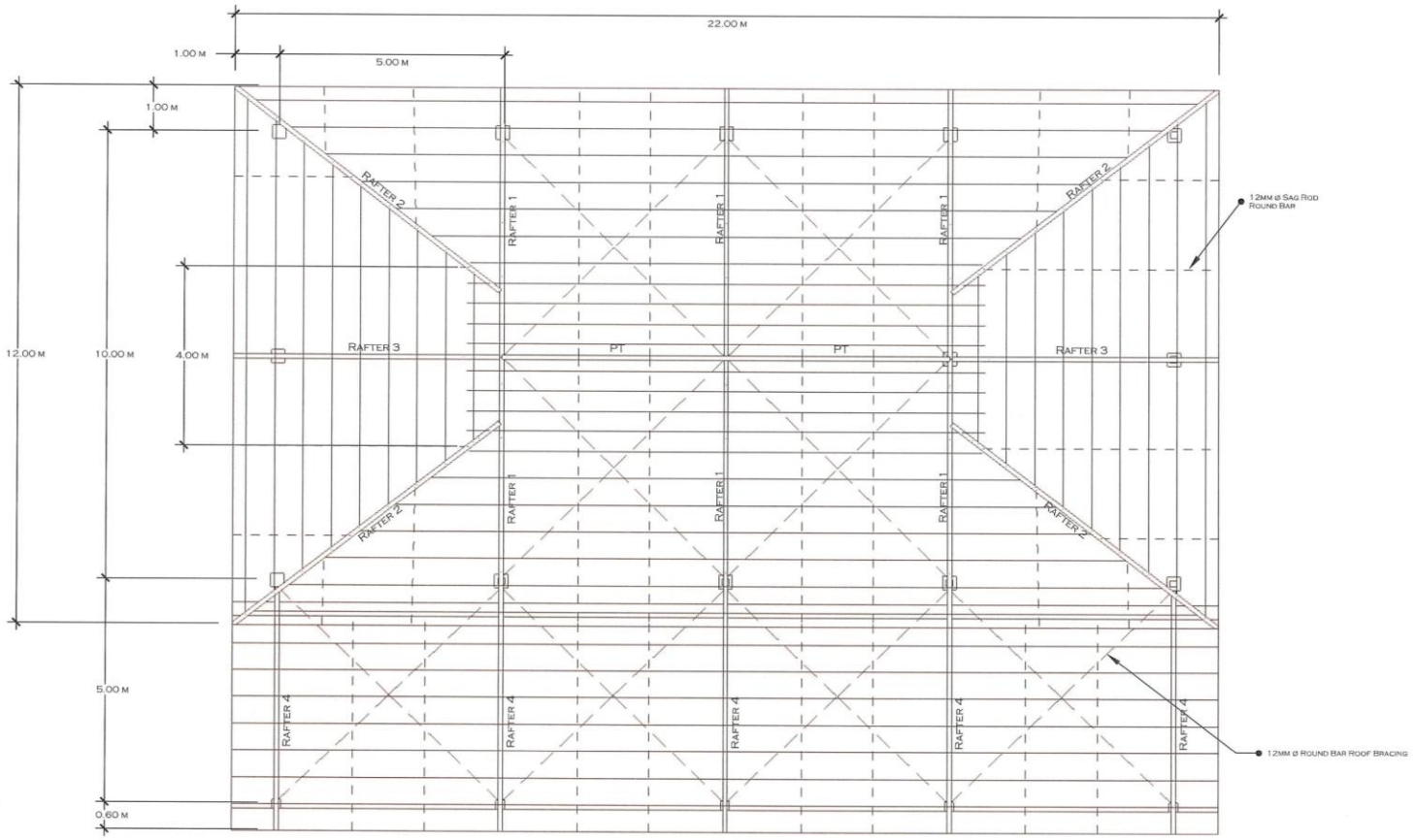

NOTES:

C - PURLINS : 2" x 3" x 1.5MM THK SPACED @ 0.6M O.C. B.W.

STRIPPING SHED

ROOF FRAMING PLAN

SCALE (A3) 1M:100M

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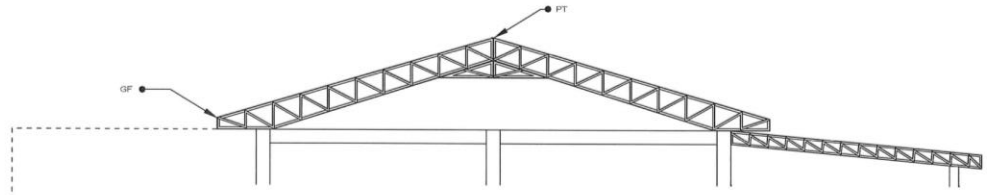
PHILIPPINE FIBER INDUSTRY DEVELOPMENT AUTHORITY 3/F DA-PCAF BLDG. DEPARTMENT OF AGRICULTURE, ELLIPTICAL ROAD, DILIMAN, QUEZON CITY	ABACA PROCESSING CENTER BUILDINGS/FACILITIES UNDER HIBLA FARMIING JOSEFINA, ZAMBOANGA DEL SUR	AS SHOWN	ENGR. LIAM ROBER A. LAGARTO ENGINEER I PROFESSION : AGRICULTURAL AND BIOSYSTEMS ENGINEER PRC LICENSE # : 0011377 VALIDITY : 11/07/24	ENGR. ROMY ALVIN D. DOMINGO FIBER DEVELOPMENT OFFICER II/HEAD, EPDSS PROFESSION : AGRICULTURAL AND BIOSYSTEMS ENGINEER PRC LICENSE # : 0007674 VALIDITY :	ALMA MARIA K. SANTOS OIC, INTERIM FIBER ENGINEERING DIVISION	EVELYN B. CAGASAN, MM OIC, EXECUTIVE DIRECTOR	S5 9 | 18



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TOP & BOTTOM CHORD	:	2 - 50x50x6MM ANGLE BAR
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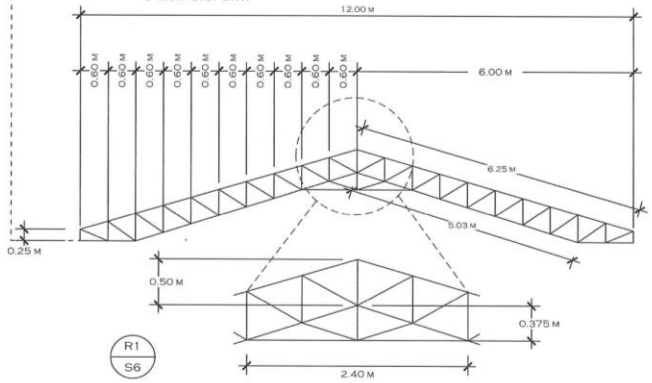

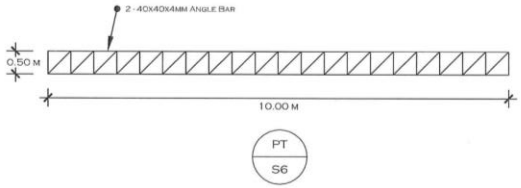

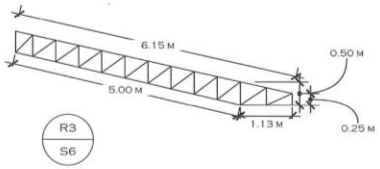

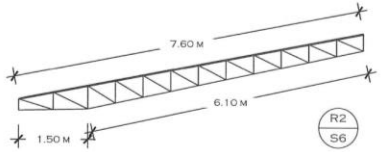

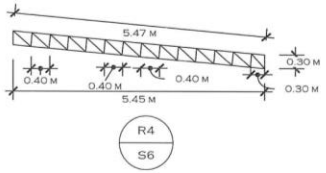

A / S S 6 9 — STRIPPING SHED
TRUSS DETAILS
SCALE (A3) NTS

REPUBLIC OF THE PHILIPPINES
OFFICE OF THE BUILDING OFFICIAL

MUNICIPAL ENGINEER

STRUCTURAL

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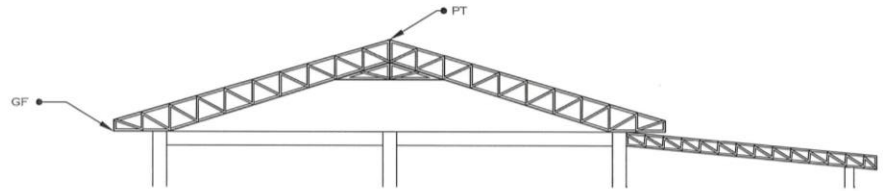

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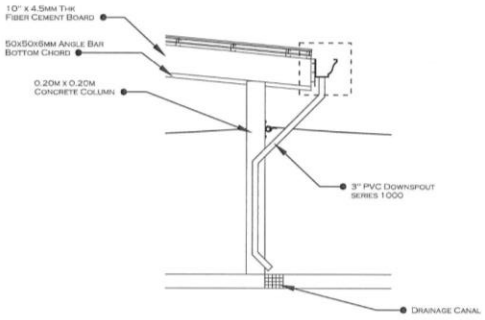
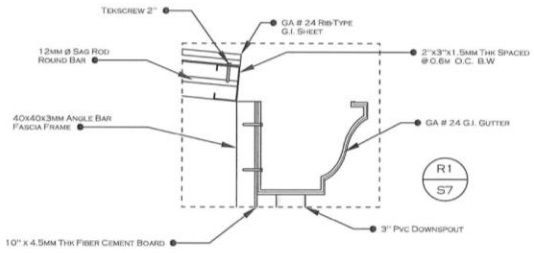
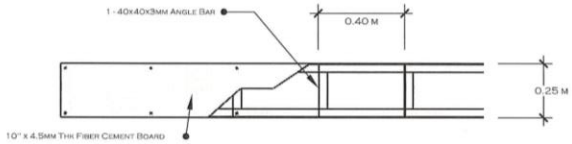
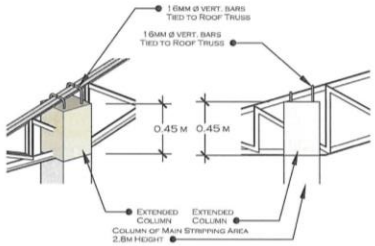


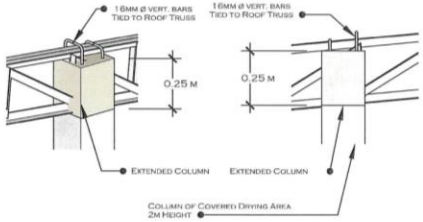


STRIPPING SHED
A / S S 7 9
GUTTER DETAILS
SCALE (A3) NTS



STRIPPING SHED
B / S S 7 9
FASCIA FRAME DETAILS
SCALE (A3) NTS





STRIPPING SHED
C / S S 7 9
EXTENDED COLUMN DETAILS
SCALE (A3) NTS

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MUNICIPAL ENGINEER

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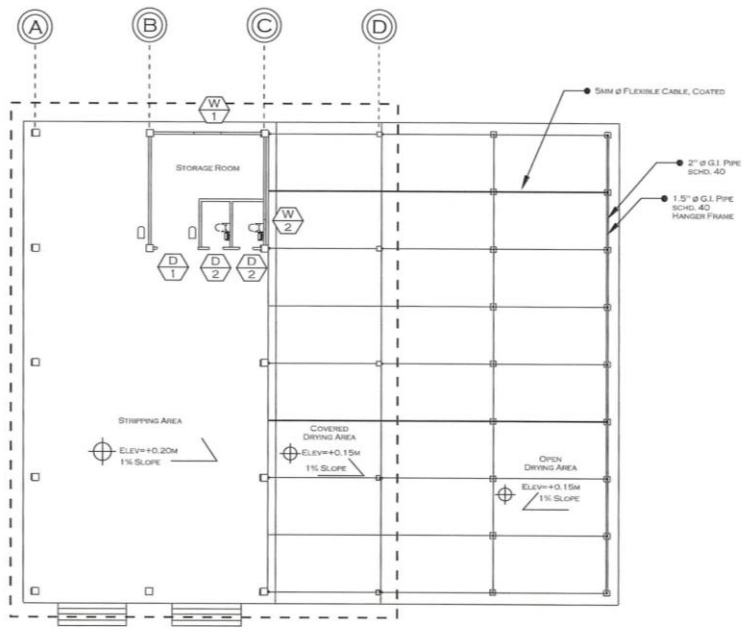
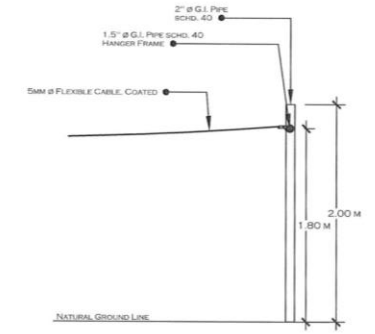
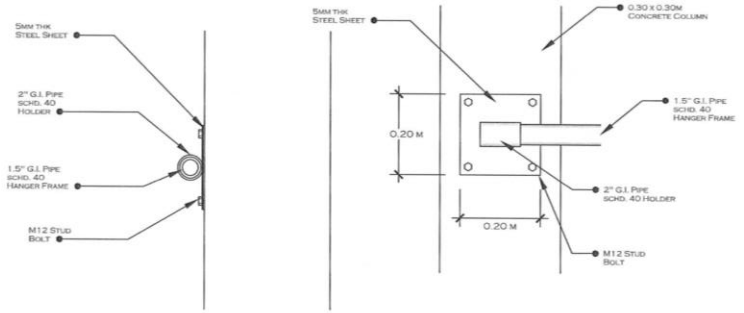


STRIPPING SHED
A SS B 9
DETAILS OF DRYING AREA
SCALE (A3) NTS



STRIPPING SHED
B SS B 9
HANGER FRAME DETAILS
SCALE (A3) NTS



STRIPPING SHED
C SS B 9
HANGER FRAME HOLDER DETAILS
SCALE (A3) NTS

SYMBOLS:	
D Door No.	DOOR SCHEDULE
W Window No.	WINDOW SCHEDULE
	FLOOR ELEVATION
	100MM THK CHB PLAIN CEMENT PLASTER PAINTED FINISH
	PROVISION FOR FIRE EXTINGUISHER

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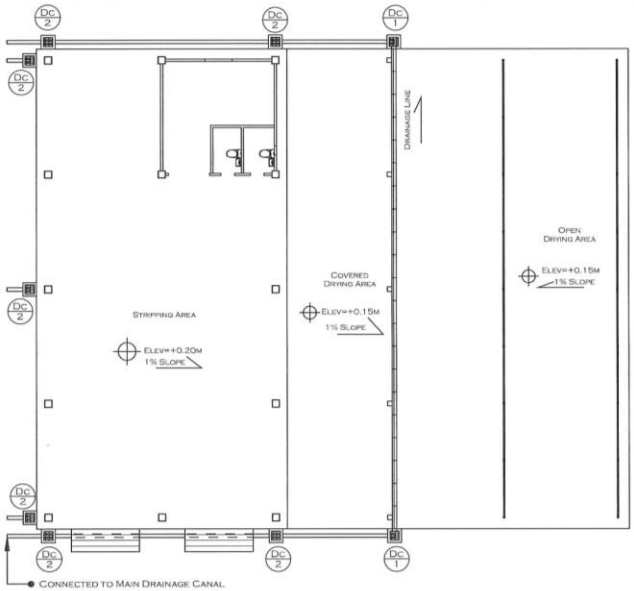
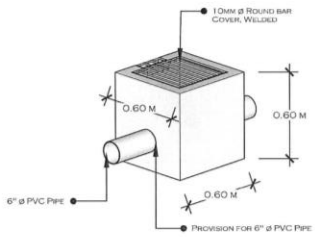
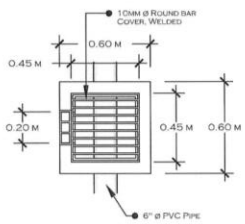
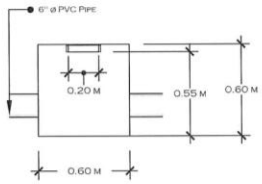
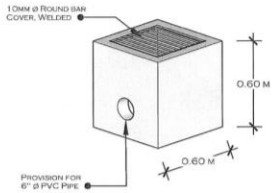


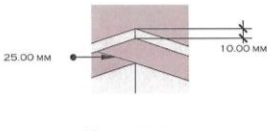


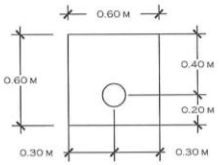




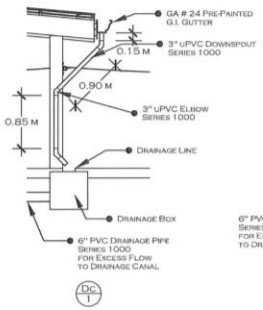
DC 1







DC 2



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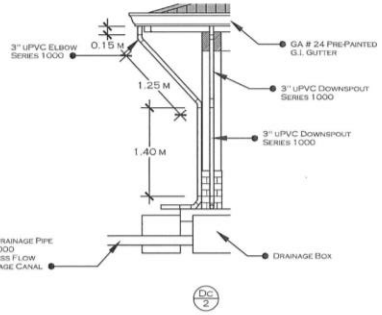

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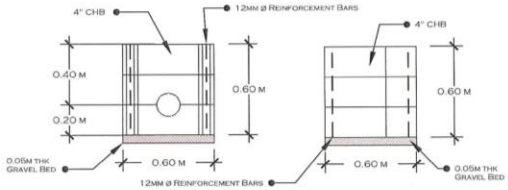

CHB DETAILS

STRIPPING SHED

A S9 — DRAINAGE DETAILS

SCALE (A3) NTS

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6. ALL DRAINAGE CANAL SHALL HAVE OPEN BOTTOM TO FACILITATE NATURAL WATER DRAINAGE.

7. DRAINAGE LINE IN OPEN DRYING AREA SHALL HAVE A SLOPE TO FACILITATE EASY WATER FLOW TO EITHER CANAL (DC1).

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PLUMBING SPECIFICATIONS

1. ALL PLUMBING INSTALLATIONS HEREIN SHALL BE DONE IN ACCORDANCE WITH THE LATEST RULES AND REGULATIONS OF THE SANITARY CODE OF THE PHILIPPINES.

2. ALL PLUMBING WORKS HEREIN SHALL BE DONE UNDER THE DIRECT SUPERVISION OF A DULY LICENSED MASTER PLUMBER OR A PLUMBING ENGINEER.

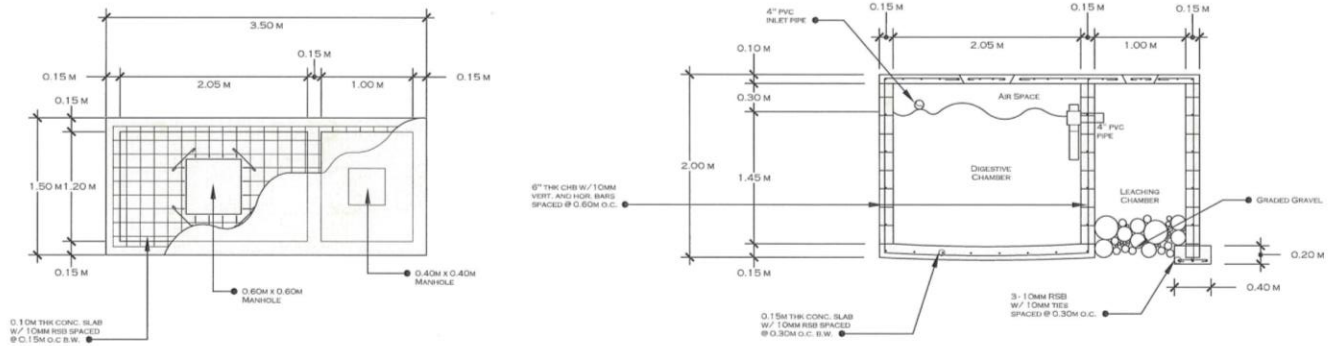
3. ALL PLUMBING PIPES AND FITTINGS, FOR WATER AND SEWER LINES, SHALL BE PVC AND SHALL BE PROPERLY SEALED WITH SOLVENT CEMENT.

4. PIPE SIZES FOR WATER LINES SHALL BE: 12.5MM (½"). FOR DISTRIBUTION LINES, USE HEAVY DUTY GATE VALVES, FAUCETS, BIDETS, AND ALL PLUMBING FIXTURES AND ACCESSORIES.

5. PIPE SIZES FOR SEWER LINES SHALL BE: 75MM (3") FOR SOIL STACK; 50MM (2") FOR SOIL BRANCHES. USE PVC PIPES AND FITTINGS, NELTEX OR ITS APPROVED EQUIVALENT.

LEGEND:

WC	WATER CLOSET	⋈ - - - - - -	GATE VALVE
FD	FLOOR DRAIN	Ⓜ - - - - - - -	WATER METER
F	FAUCET	▶ - - - - - - - -	REDUCER
VTR	VENT THROUGH ROOF		
CO	WALL CLEAN OUT		
LAV	LAVATORY		
SV	SCEPTIC VAULT		
———	SANITARY LINE		
— —	FRESH WATER LINE		



STRIPPING SHED

A P 12 MANHOLE DETAILS

SCALE (A3) NTS

REPUBLIC OF THE PHILIPPINES
OFFICE OF THE BUILDING OFFICIAL

MUNICIPAL ENGINEER

PLUMBING

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7. RUN ALL HORIZONTAL PIPING PERFECT ALIGNMENT AND AT UNIFORM OF NOT LESS THAN TWO (2) PERCENT (%).

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9. PROVIDE PIPE SLEEVES AT WALLS COLUMN SLAB, ONE SLAB ONE BIGGER THAN ACTUAL SIZE PASSING THROUGH WALLS OR SLAB TO PIPES FROM BREAKAGE.

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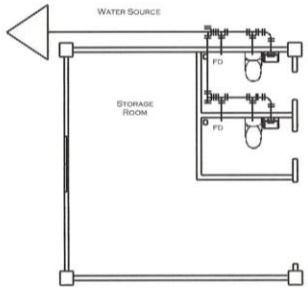
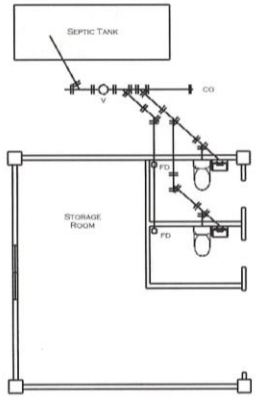


STRIPPING SHED

A | P2 | P2

WATERLINE LAYOUT

SCALE (A3) 1M:100M



STRIPPING SHED

B | P2 | P2

SEWER LINE

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MUNICIPAL ENGINEER

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ELECTRICAL SPECIFICATIONS AND LEGEND

1 / E1

REPUBLIC OF THE PHILIPPINES
OFFICE OF THE BUILDING OFFICIAL

MUNICIPAL ENGINEER

ELECTRICAL

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2. THE ELECTRICAL SERVICE POWER IS 1-PHASE, 2 WIRE + GROUND 230 V AC, 60HZ.

3. WIRING METHOD SHALL BE AS FOLLOWS:
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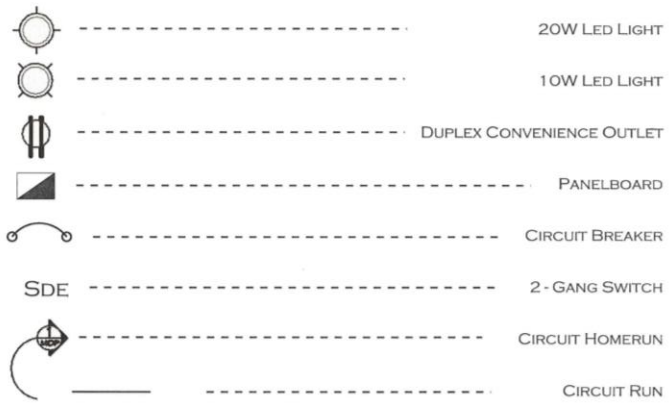
LEGEND:



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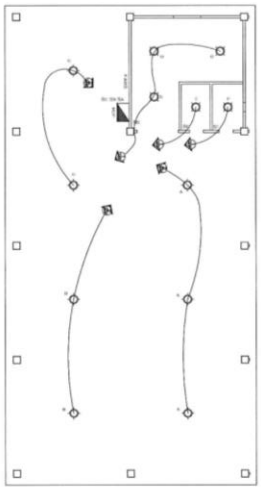
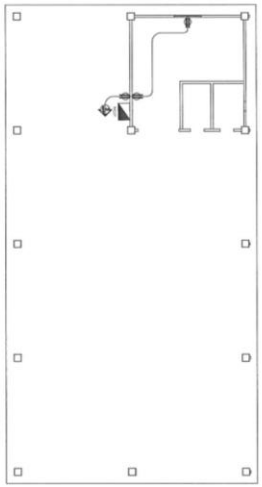


STRIPPING SHED

A | E2 | E3

LIGHTING OUTLET LAYOUT

SCALE (A3) 1M:200M

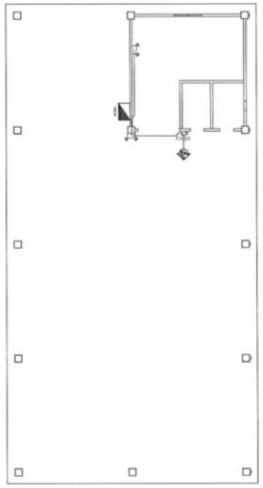


STRIPPING SHED

B | E2 | E3

CONVENIENCE OUTLET LAYOUT

SCALE (A3) 1M:200M



STRIPPING SHED

C | E2 | E3

EMERGENCY LIGHT LAYOUT

SCALE (A3) 1M:200M

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MUNICIPAL ENGINEER

ELECTRICAL

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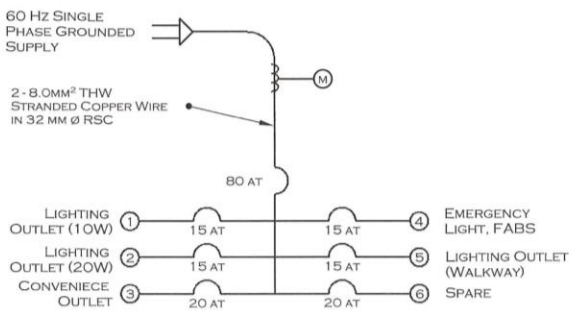
LOAD SCHEDULE

TYPE OF SERVICE: 230V, 3 WIRES 60 HZ SINGLE PHASE FEEDER CONDUCTOR 2 - 8.0MM² & 1 - 5.5MM² THW STRANDED WIRE IN 32 MM Ø RSC										
CIRCUIT NUMBER	DESCRIPTION OF LOAD	VA LOAD	CURRENT	CIRCUIT BREAKER			CONDUCTOR		CONDUIT	
				POLE	FRAME	TRIP	SIZE	TYPE	DIAMETER	TYPE
1	5 x 10W LIGHT	50	0.22	2	50	15 A	2 - 2.0MM² & 1 - 2.0MM²	THHN	13MM	UPVC
2	7 x 20W LIGHT	140	0.61	2	50	15 A	2 - 2.0MM² & 1 - 2.0MM²	THHN	13MM	UPVC
3	2-3 x 180W CONVENIENCE OUTLET	1080	4.70	2	50	20 A	2 - 3.5MM² & 1 - 3.5MM²	THHN	20MM	UPVC
4	2 x 2-3W LED EMERGENCY LIGHT	12	0.06	2	50	15 A	2 - 2.0MM² & 1 - 2.0MM²	THHN	13MM	UPVC
5	8 x 20W LIGHT	160	0.70	2	50	15 A	2 - 3.5MM² & 1 - 3.5MM²	THHN	13MM	UPVC
6	2-8 x 180W CONVENIENCE OUTLET (SPARE)	2880	12.52	2	50	20 A	2 - 3.5MM² & 1 - 3.5MM²	THHN	20MM	UPVC
	TOTAL PHASE CURRENT	4322	18.79							

COMPUTATION

I_T = 4.322 KVA / (230 V) = 18.79 A x 80% DEMAND FACTOR = 15.032 A
2-8.0MM² & 1-5.5MM² THW STRANDED WIRE IN 32 MM Ø RSC

STRIPPING SHED
1 / E3
ELECTRICAL SPECIFICATIONS
LINE DIAGRAM



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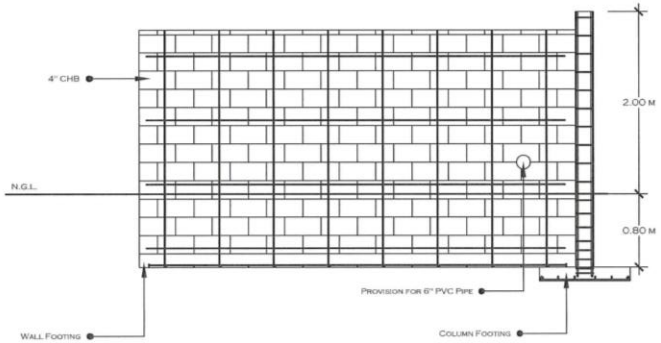
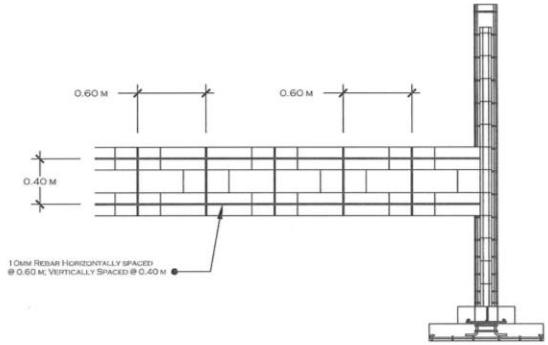
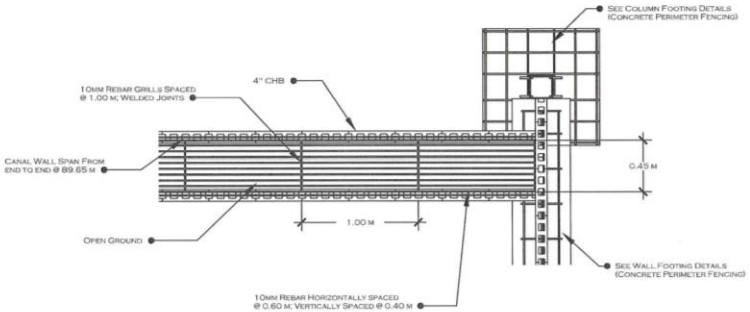


DRAINAGE LINE DETAILS
1A SECTION THRU "XX"
SCALE (A3) NTS



DRAINAGE LINE DETAILS
2A SECTION THRU "YY"
SCALE (A3) NTS



DRAINAGE LINE DETAILS
3A TOP VIEW
SCALE (A3) NTS

REPUBLIC OF THE PHILIPPINES
OFFICE OF THE BUILDING OFFICIAL

MUNICIPAL ENGINEER

STRUCTURAL

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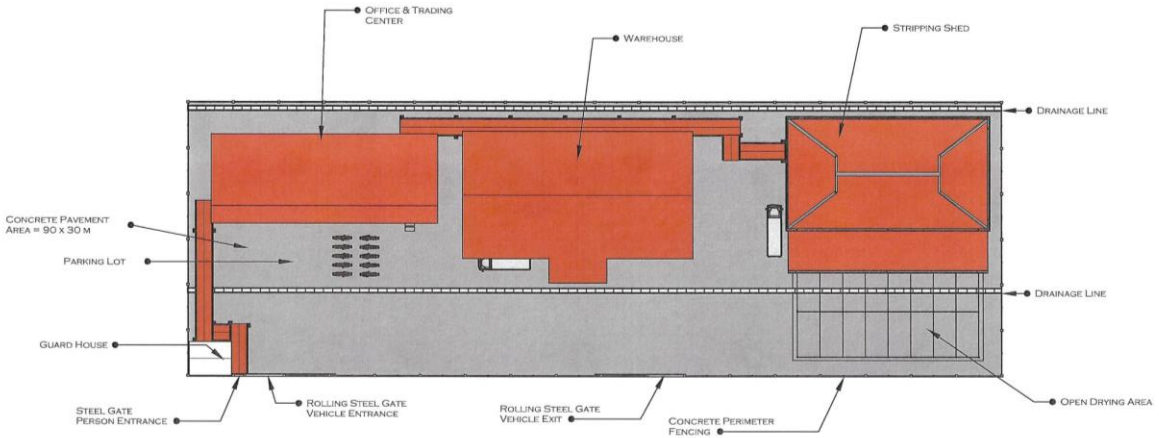
ABACA PROCESSING CENTER
A / S1 | S1
DRAINAGE LINE DETAILS
SCALE (A3) NTS

OWNER	PROJECT TITLE/LOCATION	SHEET CONTENT	DRAWN/PREPARED BY:	REVIEWED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET NO
PHILIPPINE FIBER INDUSTRY DEVELOPMENT AUTHORITY 3/F DA-PCAF BLDG. DEPARTMENT OF AGRICULTURE, ELLIPTICAL ROAD, DILIMAN, QUEZON CITY	ABACA PROCESSING CENTER BUILDINGS/FACILITIES UNDER HIBLA FARMING JOSEFINA, ZAMBOANGA DEL SUR	AS SHOWN	ENGR. LIAM ROBER A. LAGARTO ENGINEER I PROFESSION: AGRICULTURAL AND BIOSYSTEMS ENGINEER PRC LICENSE #: 0011377 VALIDITY: 11/07/24	ENGR. ROMY ALVIN D. DOMINGO FIBER DEVELOPMENT OFFICER II/HEAD, EPDSS PROFESSION: AGRICULTURAL AND BIOSYSTEMS ENGINEER PRC LICENSE #: 0007876 VALIDITY	ALMA MARIA K. SANTOS OIC, INTERIM FIBER ENGINEERING DIVISION	EVELYN B. CAGASAN, MM OIC, EXECUTIVE DIRECTOR	S1 1 | 1



CONCRETE PERIMETER FENCING
A A1 A2 TOP VIEW
SCALE (A3) NTS

CONCRETE PERIMETER FENCING
B A1 A2 FRONT ELEVATION
SCALE (A3) NTS

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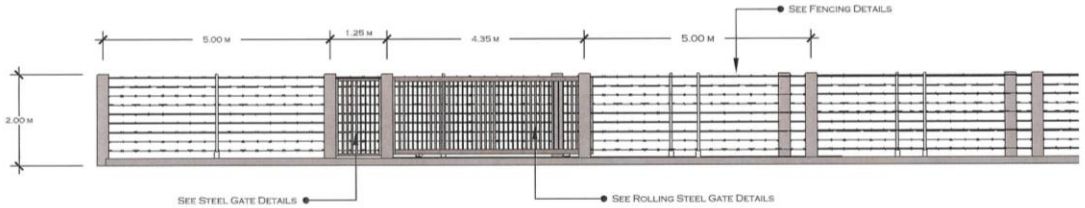
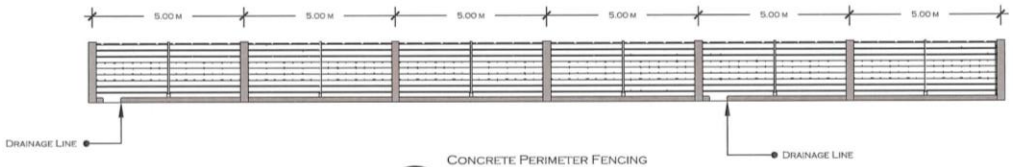
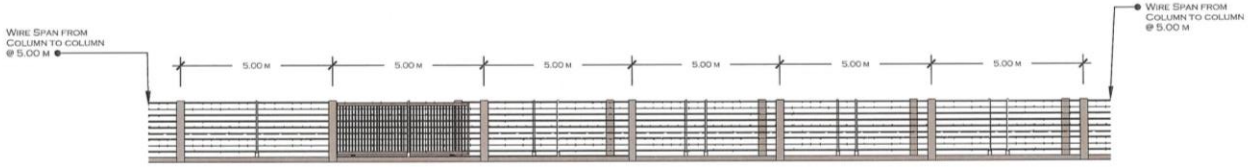


CONCRETE PERIMETER FENCING
A | A2 | A2
FRONT ELEVATION
SCALE (A3) NTS



CONCRETE PERIMETER FENCING
B | A2 | A2
SIDE ELEVATION
SCALE (A3) NTS



CONCRETE PERIMETER FENCING
C | A2 | A2
REAR ELEVATION
SCALE (A3) NTS

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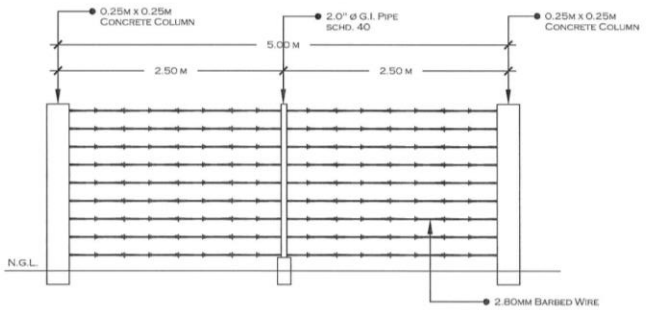

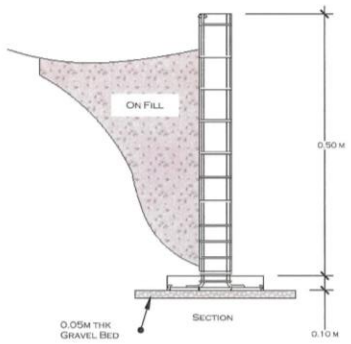

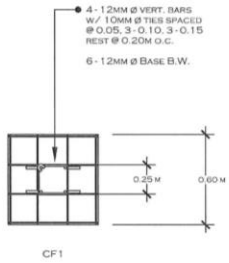

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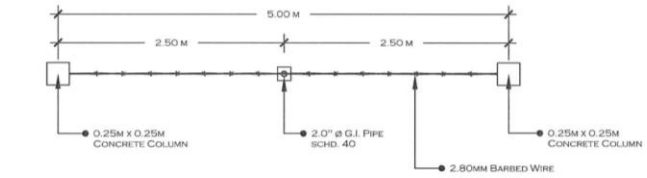

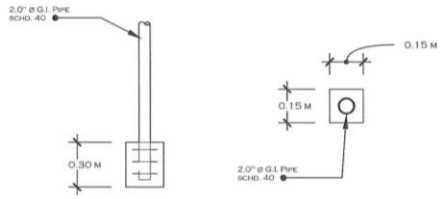

CF2

CONCRETE PERIMETER FENCING

A S S 1 4

FENCING DETAILS

SCALE (A3) 1M:50M

CONCRETE PERIMETER FENCING

B S S 1 4

COLUMN FOOTING DETAILS

SCALE (A3) NTS

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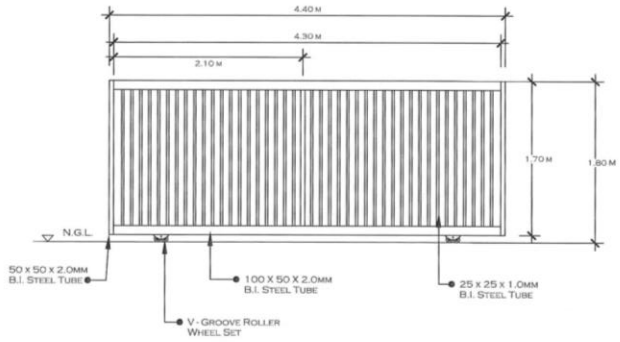
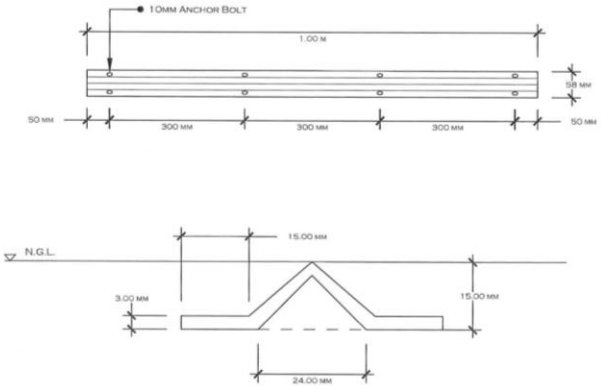
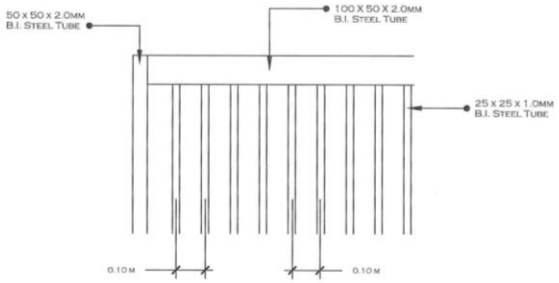


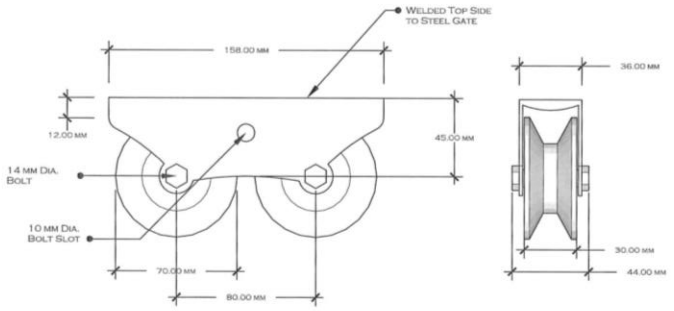
ROLLING STEEL GATE
A FRONT ELEVATION
SCALE (A3) 1M:50M



ROLLING STEEL GATE
C V-GROOVE TRACK DETAILS
SCALE (A3) NTS



ROLLING STEEL GATE
B SPOT DETAIL
SCALE (A3) NTS



ROLLING STEEL GATE
D V-GROOVE WHEEL DETAILS
SCALE (A3) NTS

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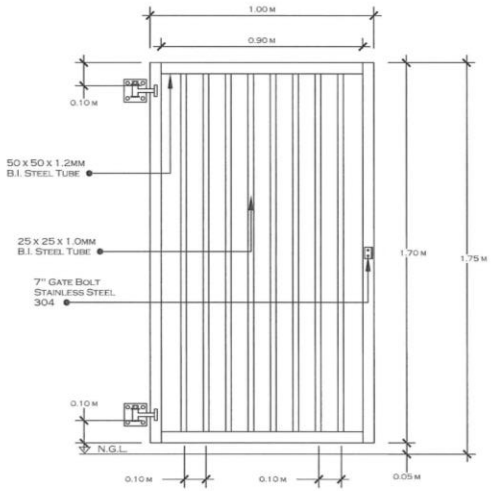
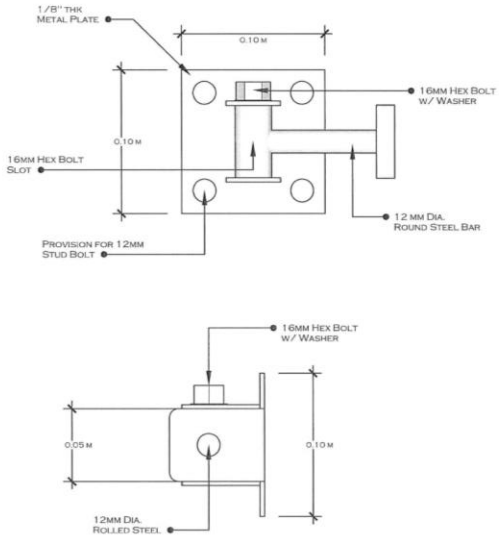


STEEL GATE
A SS 3 4
REAR SIDE VIEW
SCALE (A3) 1 M:20M



STEEL GATE
B SS 3 4
HINGE DETAILS
SCALE (A3) NTS

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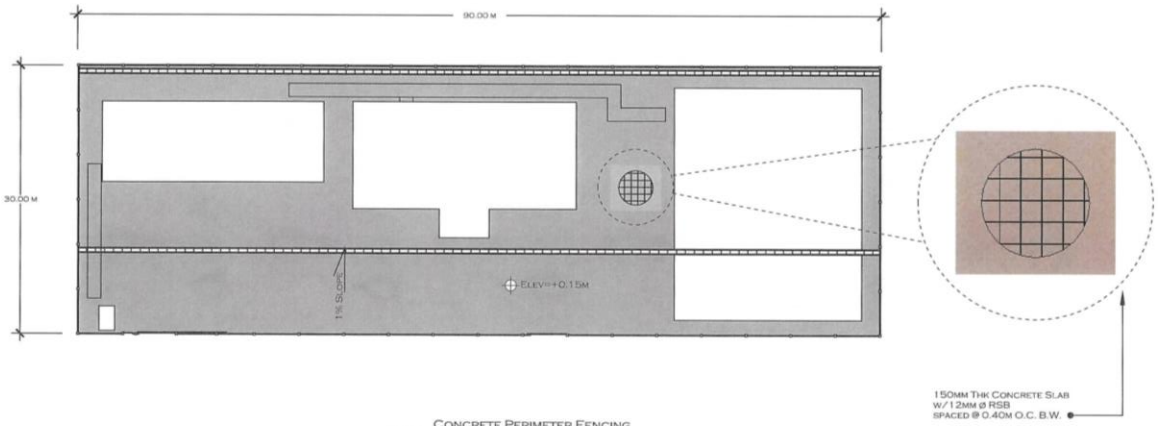

CONCRETE PERIMETER FENCING

A S4 — CONCRETE PAVEMENT DETAILS

SCALE (A3) NTS

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A
A1 A3
GUARD HOUSE
PERSPECTIVE
SCALE (A3) NTS

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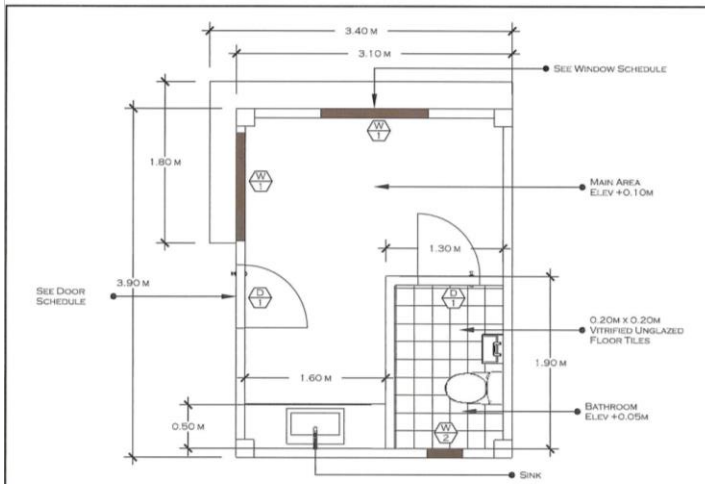
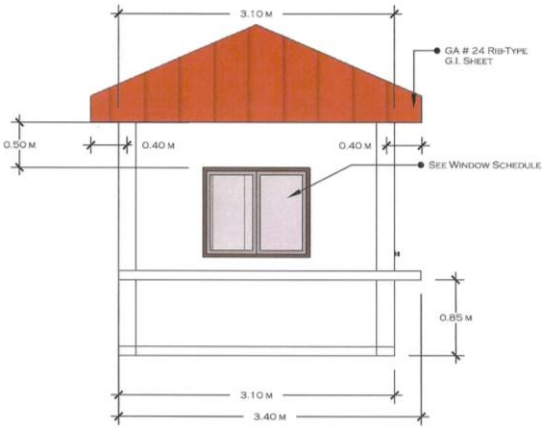
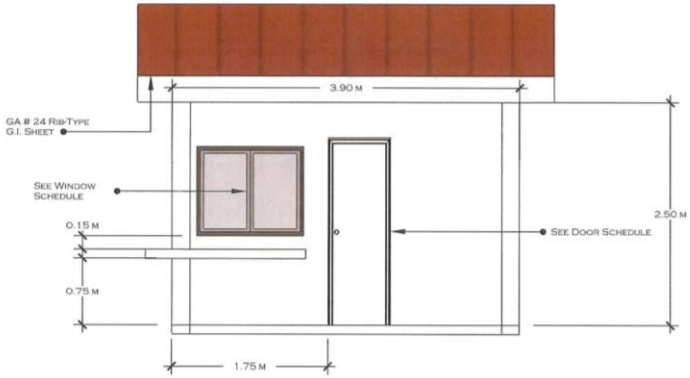


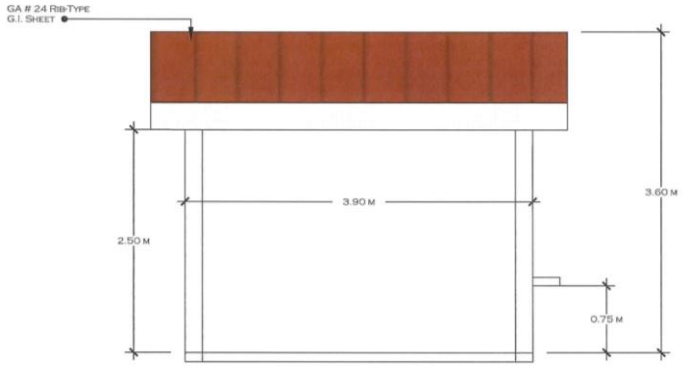
A | A2 | A3 — Guard House Floor Plan
Scale (A3) NTS



C | A2 | A3 — Guard House Front View
Scale (A3) NTS



B | A2 | A3 — Guard House Right Side View
Scale (A3) NTS



D | A2 | A3 — Guard House Left Side View
Scale (A3) NTS

Republic of the Philippines
Office of the Building Official

Municipal Engineer

Architectural

GENERAL NOTES:

1. All dimensions are in meter, or unless otherwise specified.

2. It shall be the contractor's responsibility to provide adequate shoring and bracing of the structure for all loads that may be imposed during construction.

3. The contractor shall verify all dimensions and drawings before all works begin, or during construction.

4. All construction and workmanship shall be subjected to inspection, examination and testing by the engineer. The engineer shall have the right to reject defective materials and workmanship or require its correction.

5. Construction notes and typical details apply to all drawings unless otherwise shown or noted to modify typical details as directed to meet special conditions.

6. Plan is subject to actual verification.

PAINTING WORKS:

1. The contractor shall protect freshly painted or epoxied, concrete wall and ceiling surface from accumulation of dirt, water, or other foreign materials, whatever the cause or source. Any damaged surfaces shall be cleaned, sanded, or stripped and recoated.

2. Painting materials for prime and finish coats shall be high quality points and shall be applied according to manufacturer's recommendations.

3. All exposed iron steel works together with roof trusses, wall framing, steel window casing and miscellaneous metals shall receive a prime coat(s), shop applied is possible, before installation. After installation, said materials shall be cleaned. All weld and other defects shall receive touch-up prime coat..

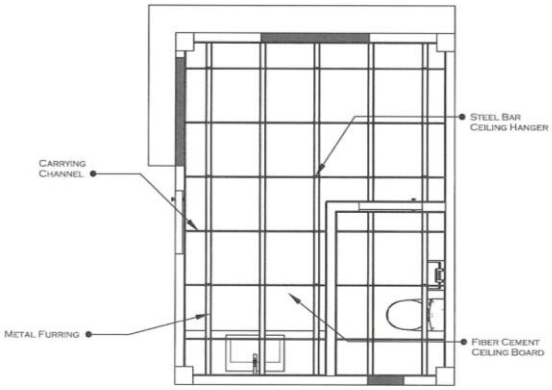
OWNER	PROJECT TITLE/LOCATION	SHEET CONTENT	DRAWN/PREPARED BY:	REVIEWED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET NO
PHILIPPINE FIBER INDUSTRY DEVELOPMENT AUTHORITY 3/F DA-PCAF BLDG. DEPARTMENT OF AGRICULTURE, ELLIPTICAL ROAD, DILIMAN, QUEZON CITY	ABACA PROCESSING CENTER BUILDINGS/FACILITIES UNDER HIBLA FARMIING JOSEFINA, ZAMBOANGA DEL SUR	AS SHOWN	ENGR. LIAM ROBER A. LAGARTO ENGINEER I PROFESSION: AGRICULTURAL AND BIOSYSTEMS ENGINEER PRC LICENSE #: 0011377 VALIDITY: 11/07/24	ENGR. ROMY ALVIN D. DOMINGO FIBER DEVELOPMENT OFFICER II/HEAD, EPDSS PROFESSION: AGRICULTURAL AND BIOSYSTEMS ENGINEER PRC LICENSE #: 0007874 VALIDITY:	ALMA MARIA K. SANTOS OIC, INTERIM FIBER ENGINEERING DIVISION	EVELYN B. CAGASAN, MM OIC, EXECUTIVE DIRECTOR	A2 2 | 7

4 x 8' x 4.5mm thk Fiber Cement Ceiling Board

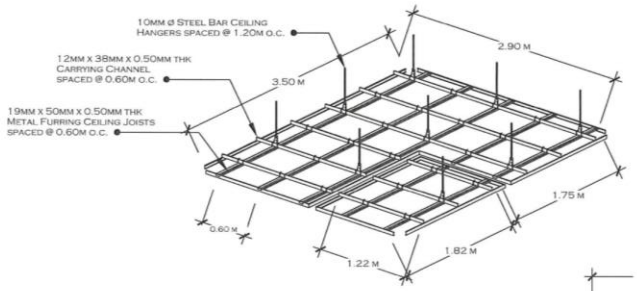
10mm ø Steel Bar Ceiling Hangers spaced @ 1.20m o.c. b.w.

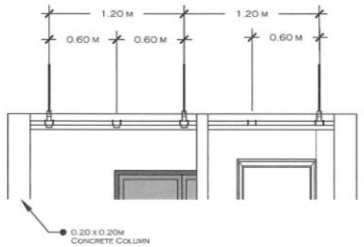
19mm x 50mm x 0.50mm thk Metal Furring Ceiling Joists spaced @ 0.60m o.c.

12mm x 38mm x 0.50mm thk Carrying Channel spaced @ 0.60m o.c.

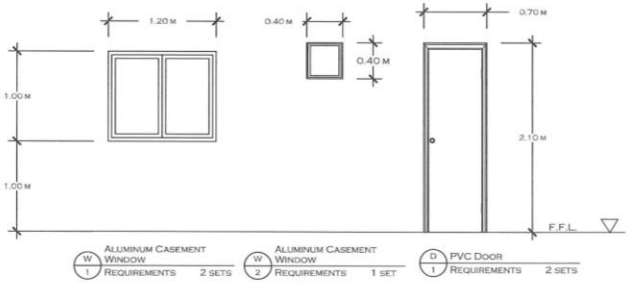


A | A3 A3 — Guard House — Reflected Ceiling Plan — Scale (A3) NTS





B | A3 A3 — Guard House — Ceiling Details — Scale (A3) NTS



C | A3 A3 — Guard House — Door & Windows Schedule — Scale (A3) NTS

Republic of the Philippines
Office of the Building Official

Municipal Engineer

Architectural

GENERAL NOTES:

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2. It shall be the contractor's responsibility to provide adequate shoring and bracing of the structure for all loads that may be imposed during construction.

3. The contractor shall verify all dimensions and drawings before all works begin, or during construction.

4. All construction and workmanship shall be subjected to inspection, examination and testing by the engineer. The engineer shall have the right to reject defective materials and workmanship or require its correction.

5. Construction notes and typical details apply to all drawings unless otherwise shown or noted to modify typical details as directed to meet special conditions.

6. Plan is subject to actual verification.

PAINTING WORKS:

1. The contractor shall protect freshly painted or epoxied, concrete wall and ceiling surface from accumulation of dirt, water, or other foreign materials, whatever the cause or source. Any damaged surfaces shall be cleaned, sanded, or stripped and recoated.

2. Painting materials for prime and finish coats shall be high quality points and shall be applied according to manufacturer's recommendations.

3. All exposed iron steel works together with roof trusses, wall framing, steel window casing and miscellaneous metals shall receive a prime coat(s), shop applied is possible, before installation. After installation, said materials shall be cleaned. All weld and other defects shall receive touch-up prime coat..

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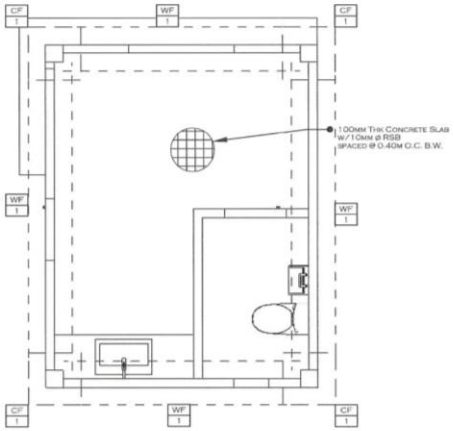
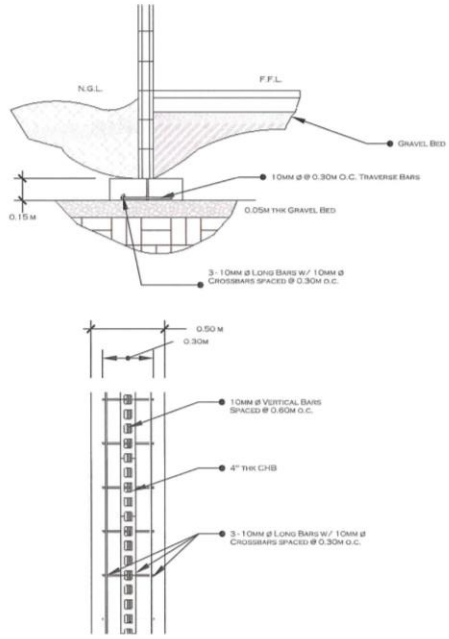
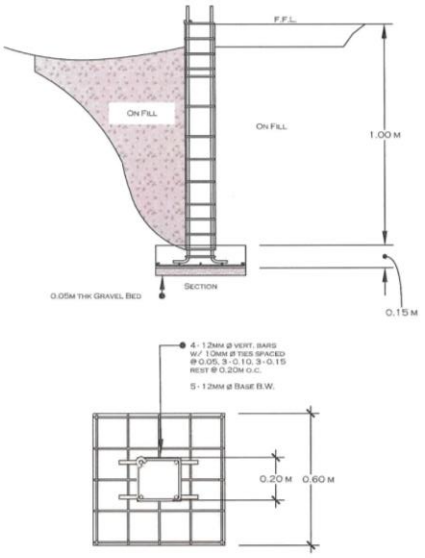
PHILIPPINE FIBER INDUSTRY DEVELOPMENT AUTHORITY 3/F DA-PCAF BLDG. DEPARTMENT OF AGRICULTURE, ELLIPTICAL ROAD, DILIMAN, QUEZON CITY	ABACA PROCESSING CENTER BUILDINGS/FACILITIES UNDER HIBLA FARMIING JOSEFINA, ZAMBOANGA DEL SUR	AS SHOWN	ENGR. LIAM GOBER A. LAGARTO ENGINEER I PROFESSION: AGRICULTURAL AND BIOSYSTEMS ENGINEER PRC LICENSE #: 0011377 VALIDITY: 11/07/24	ENGR. ROMY ALVIN D. DOMINGO FIBER DEVELOPMENT OFFICER II/HEAD, EPDSS PROFESSION: AGRICULTURAL AND BIOSYSTEMS ENGINEER PRC LICENSE #: 0007874 VALIDITY:	ALMA MARIA K. SANTOS OIC, INTERIM FIBER ENGINEERING DIVISION	EVELYN B. CAGASAN, MM OIC, EXECUTIVE DIRECTOR	A3 3 | 7



A — GUARD HOUSE
FOUNDATION PLAN
SCALE (A3) NTS



B — GUARD HOUSE
WALL FOOTING DETAILS
SCALE (A3) NTS



C — GUARD HOUSE
COLUMN FOOTING DETAILS
SCALE (A3) NTS

SYMBOLS:	
CF 1	200 x 200 x 3000MM CONCRETE COLUMN W/ 150MM THK FOUNDATION
WF 1	100MM THK CHB WALL W/ 100MM THK FOUNDATION

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MUNICIPAL ENGINEER

STRUCTURAL

GENERAL NOTES:

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2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ADEQUATE SHORING AND BRACING OF THE STRUCTURE FOR ALL LOADS THAT MAY BE IMPOSED DURING CONSTRUCTION.

3. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND DRAWINGS BEFORE ALL WORKS BEGIN, OR DURING CONSTRUCTION.

4. ALL CONSTRUCTION AND WORKMANSHIP SHALL BE SUBJECTED TO INSPECTION, EXAMINATION AND TESTING BY THE ENGINEER. THE ENGINEER SHALL HAVE THE RIGHT TO REJECT DEFECTIVE MATERIALS AND WORKMANSHIP OR REQUIRE ITS CORRECTION.

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

6. PLAN IS SUBJECT TO ACTUAL VERIFICATION.

PAINTING WORKS:

1. THE CONTRACTOR SHALL PROTECT FRESHLY PAINTED OR EPOXIED, CONCRETE WALL AND CEILING SURFACE FROM ACCUMULATION OF DIRT, WATER, OR OTHER FOREIGN MATERIALS, WHATEVER THE CAUSE OR SOURCE. ANY DAMAGED SURFACES SHALL BE CLEANED, SANDED, OR STRIPPED AND RECOATED.

2. PAINTING MATERIALS FOR PRIME AND FINISH COATS SHALL BE HIGH QUALITY POINTS AND SHALL BE APPLIED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

3. ALL EXPOSED IRON STEEL WORKS TOGETHER WITH ROOF TRUSSES, WALL FRAMING, STEEL WINDOW CASING AND MISCELLANEOUS METALS SHALL RECEIVE A PRIME COAT(S), SHOP APPLIED IS POSSIBLE, BEFORE INSTALLATION. AFTER INSTALLATION, SAID MATERIALS SHALL BE CLEANED. ALL WELD AND OTHER DEFECTS SHALL RECEIVE TOUCH-UP PRIME COAT.

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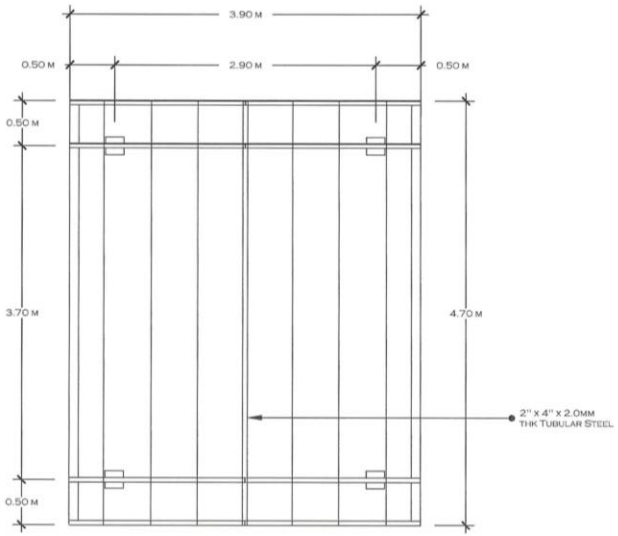
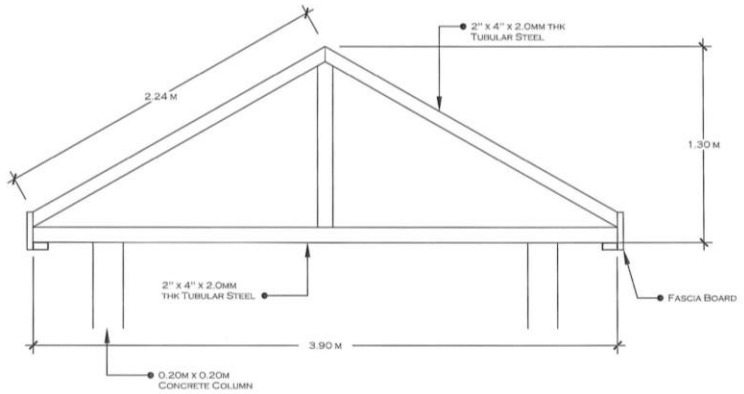


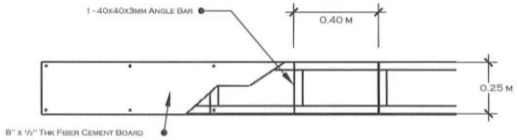
GUARD HOUSE
A S2 S2
ROOF FRAMING PLAN
SCALE (A3) 1:50M



GUARD HOUSE
B S2 S2
TRUSS DETAILS
SCALE (A3) NTS

NOTES:

C - PURLINS	:	2" x 3" x 1.5MM THK SPACED @ 0.3M O.C. B.W.
TOP & BOTTOM CHORD	:	2" x 4" x 2.0MM THK TUBULAR STEEL
WEB MEMBER	:	2" x 4" x 2.0MM THK TUBULAR STEEL



GUARD HOUSE
C S2 S2
FASCIA FRAME DETAILS
SCALE (A3) NTS

REPUBLIC OF THE PHILIPPINES
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MUNICIPAL ENGINEER

STRUCTURAL

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2. PAINTING MATERIALS FOR PRIME AND FINISH COATS SHALL BE HIGH QUALITY POINTS AND SHALL BE APPLIED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

3. ALL EXPOSED IRON STEEL WORKS TOGETHER WITH ROOF TRUSSES, WALL FRAMING, STEEL WINDOW CASING AND MISCELLANEOUS METALS SHALL RECEIVE A PRIME COAT(S), SHOP APPLIED IS POSSIBLE, BEFORE INSTALLATION. AFTER INSTALLATION, SAID MATERIALS SHALL BE CLEANED. ALL WELD AND OTHER DEFECTS SHALL RECEIVE TOUCH-UP PRIME COAT.

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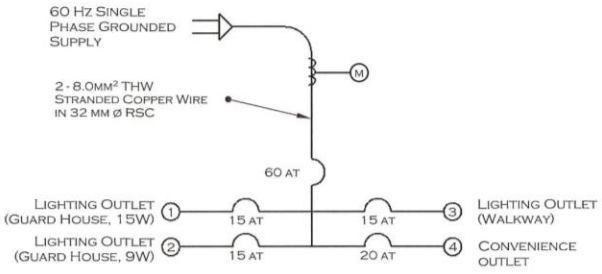
LOAD SCHEDULE

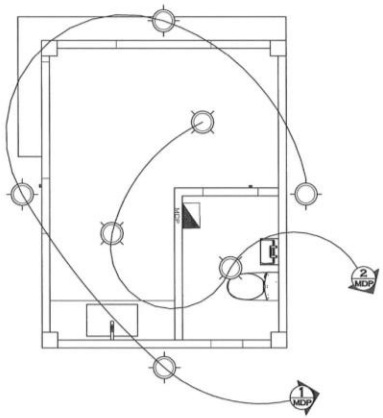
TYPE OF SERVICE: 230V, 3 WIRES 60 HZ SINGLE PHASE FEEDER CONDUCTOR 2 - 8.0MM² & 1 - 5.5MM² THW STRANDED WIRE IN 32 MM Ø RSC										
CIRCUIT NUMBER	DESCRIPTION OF LOAD	VA LOAD	CURRENT	CIRCUIT BREAKER			CONDUCTOR		CONDUIT	
				POLE	FRAME	TRIP	SIZE	TYPE	DIAMETER	TYPE
1	4 x 15W LIGHT	60	0.26	2	50	15 A	2 - 2.0MM² & 1 - 2.0MM²	THHN	13MM	uPVC
2	3 x 9W LIGHT	27	0.12	2	50	15 A	2 - 2.0MM² & 1 - 2.0MM²	THHN	13MM	uPVC
3	5 x 20W LIGHT (WALKWAY)	100	0.43	2	50	15 A	2 - 3.5MM² & 1 - 3.5MM²	THHN	13MM	uPVC
4	4-2 x 180W CONVENIENCE OUTLET	1440	6.26	2	50	20 A	2 - 2.0MM² & 1 - 2.0MM²	THHN	20MM	uPVC
TOTAL PHASE CURRENT		1627	7.07							

COMPUTATION

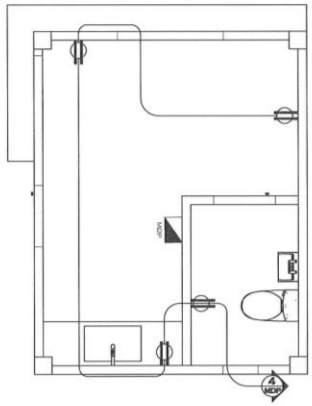
I_T = 1.627 KVA / (230 V) = 7.07A x 80%
DEMAND FACTOR = 5.66 A 2-8.0MM² &
1-5.5MM² THW STRANDED WIRE IN 32 MM Ø RSC



GUARD HOUSE
1 / E1
ELECTRICAL SPECIFICATIONS
LINE DIAGRAM



GUARD HOUSE
A / E E 1 1
LIGHTING OUTLET LAYOUT
SCALE (A3) NTS



GUARD HOUSE
B / E E 1 1
CONVENIENCE OUTLET LAYOUT
SCALE (A3) NTS

REPUBLIC OF THE PHILIPPINES
OFFICE OF THE BUILDING OFFICIAL

MUNICIPAL ENGINEER

ELECTRICAL

ELECTRICAL WORKS:

1. ALL ELECTRICAL WORKS SHALL COMPLY IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS. THE APPLICABLE PROVISIONS 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 WORKS SHALL BE UNDER IMMEDIATE SUPERVISOR OF A DULY REGISTERED ELECTRICAL ENGINEER.

2. THE ELECTRICAL SERVICE POWER IS 1-PHASE, 2 WIRE + GROUND 230 V AC, 60HZ.

3. WIRING METHOD SHALL BE AS FOLLOWS:
A. FEEDERS & RISERS - RIGID STEEL CONDUI TB. LIGHTING, POWER RECEPTACLE BRANCH CKT., AUXILLARY - POLYVINYL CHLORIDE CONDUIT

4. ALL WIRES SHALL BE COPPER AND THERMOPLASTIC INSULATED TYPE "THHN" UNLESS OTHERWISE INDICATED IN THE PLAN. THE MINIMUM SIZE OF WIRE FOR POWER AND LIGHTING CIRCUIT HOMERUN SHALL BE 3.5MM AND INSULATED FOR 600 VOLTS. SMALLEST RACEWAY SHALL BE 15MM² TRADE/NOMINAL SIZE. LIKEWISE, ALL ELECTRICAL WIRES SHALL BE COLOR CODED .

5. ALL OUTLET BOXES SHALL BE GALVANIZED GAUGE NO. 16 DEEP TYPE WITH FACTORY KNOCKOUTS.

6. ALL MATERIALS TO BE USED SHALL BE BRAND NEW AND APPROVED TYPE FOR THE PARTICULAR LOCATION AND PURPOSE OF USAGE.

7. EQUIPMENT GROUNDING SYSTEM SHALL BE PROVIDED TO ELECTRICAL SYSTEM AS PER ELECTRICAL CODE REQUIREMENT.

8. MOUNTING HEIGHT OF WIRING DEVICES SHALL BE AS FOLLOWS:
A. LIGHT SWITCH = 1.20 M ABOVE FINISHED FLOOR LINE
B. CONVENIENCE OUTLET = 0.30 M ABOVE FINISHED FLOOR LINE
C. PANEL BOARD = 1.80 M ABOVE FINISHED FLOOR LINE

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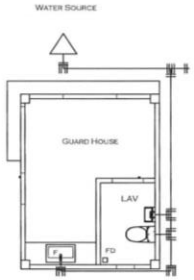
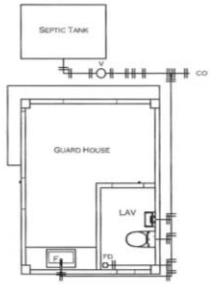


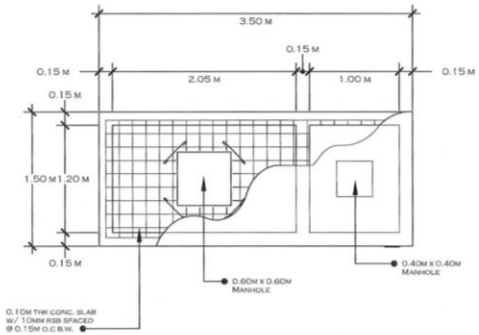
GUARD HOUSE
WATERLINE LAYOUT
SCALE (A3) 1M:100M

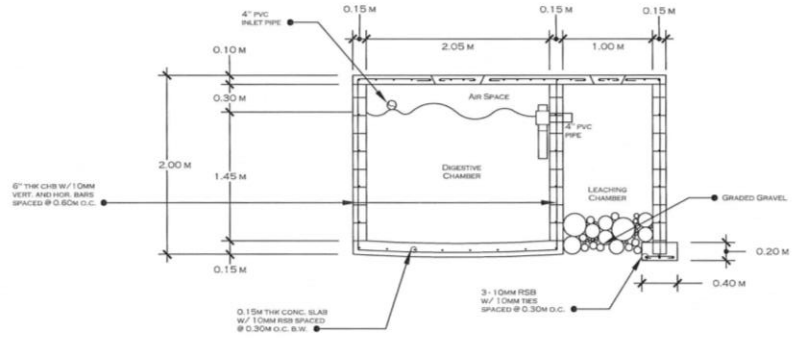


GUARD HOUSE
SEWER LINE
SCALE (A3) 1M:100M

LEGEND:

FD	FLOOR DRAIN
F	FAUCET
CO	WALL CLEAN OUT
LAV	LAVATORY
SV	SCEPTIC VAULT
———	SANITARY LINE
— — —	FRESH WATER LINE





GUARD HOUSE
MANHOLE DETAILS
SCALE (A3) NTS

REPUBLIC OF THE PHILIPPINES
OFFICE OF THE BUILDING OFFICIAL

MUNICIPAL ENGINEER

PLUMBING

PLUMBING WORKS:

1. ALL PLUMBING INSTALLATIONS HEREIN SHALL BE DONE IN ACCORDANCE WITH THE LATEST RULES AND REGULATIONS OF THE SANITARY CODE OF THE PHILIPPINES.
2. ALL PLUMBING WORKS HEREIN SHALL BE DONE UNDER THE DIRECT SUPERVISION OF A DULY LICENSED PLUMBING ENGINEER OR A MASTER PLUMBER.
3. COORDINATION WITH DRAWING AND OTHER RELATED SPECIFICATION, THE ENGINEER SHALL BE NOTICED IMMEDIATELY IF ANY DISCREPANCY FOUND THEREIN.
4. PIPES SHALL BE INSTALLED AS INDICATED ANY RELOCATION REQUIREMENT FOR PROPER EXECUTION OF OTHER TRADES SHALL BE WITH PRIOR APPROVAL OF ENGINEER.
5. PROPOSE SANITARY UTILITIES SHALL CONFORMED TO THE ACTUAL LOCATION, DEPTH AND INVERTED ELEVATION OF ALL EXISTING PIPES AND STRUCTURES.
6. ALL FIXTURES SHALL BE VENTED UNLESS OTHERWISE INDICATED.
7. RUN ALL HORIZONTAL PIPING PERFECT ALIGNMENT AND AT UNIFORM OF NOT LESS THAN TWO (2) PERCENT (%).
8. NO DOUBLE HUBS, DOUBLE TEE BRANCH SHALL BE USED ON HORIZONTAL SOIL WASTE LINE. THE DRILLING OR TAPPING OF HOUSE DRAIN WASTE OR VENT PIPES AND SADDLE HUBS AND VENT PROHIBITED.
9. PROVIDE PIPE SLEEVES AT WALLS COLUMN SLAB, ONE SLAB ONE BIGGER THAN ACTUAL SIZE PASSING THROUGH WALLS OR SLAB TO PIPES FROM BREAKAGE.
10. CLEAN OUT ARE REQUIRED UNDER THE FOLLOWING CONDITIONS.

A. EVERY CHANGE IN HORIZONTAL DIRECTION EXCEEDING 22 AND ½ DEGREES.
B. 1.5 METER INSIDE THE PROPERTY LINE DRAIN CONNECTOR.
C. EVERY 150MM DIAMETER IN HORIZONTAL RUN PIPE.
D. AT THE END OF THE HORIZONTAL PIPE.

11. A DEAD END IN THE INSTALLATION OF ANY PLUMBING SYSTEM IS PROHIBITED.
12. ALL PLUMBING PIPES AND FITTINGS, FOR WATER AND SEWER LINES, SHALL BE PVC AND SHALL BE PROPERLY SEALED WITH SOLVENT CEMENT.
13. PIPE SIZES FOR WATER LINES SHALL BE: Ø 12.5MM (½") FOR DISTRIBUTION LINES. USE HEAVY DUTY GATE VALVES, FAUCETS, BIDETS, AND ALL PLUMBING FIXTURES AND ACCESSORIES.
14. PIPE SIZES FOR SEWER LINES SHALL BE: Ø 75MM (3") FOR SOIL STACK; Ø 50MM (2") FOR SOIL BRANCHES.
15. NO REVISION IN THE DESIGN SHALL BE DONE WITHOUT THE PROPER KNOWLEDGE AND APPROVAL OF THE DESIGNER AND THE OWNER. ANY SUCH REVISION DONE WITHOUT THE APPROVAL SHALL COURSE RESPONSIBILITY OF THE DESIGNER/ENGINEER TO CEASE A WHOLE.
16. NO PIPING WORK FIXTURE OR EQUIPMENT SHALL BE CONCEALED OR COVERED BY ANY MAINS BEFORE THEY HAVE BEEN PRESSURE TESTED, JURISDICTION OF THE WORK.
17. ALL WORK SHALL BE COMPLETELY INSTALLED AND TESTED AS REQUIRED BY THE SECTION 1378 AND SHALL BE LEAK TIGHT.
18. UNLESS OTHERWISE NOTED AND SPECIFIED, USE NELTEX BRAND TO ALL MATERIALS OF ROUGHING OR AND APPROVED BY EQUIVALENT.

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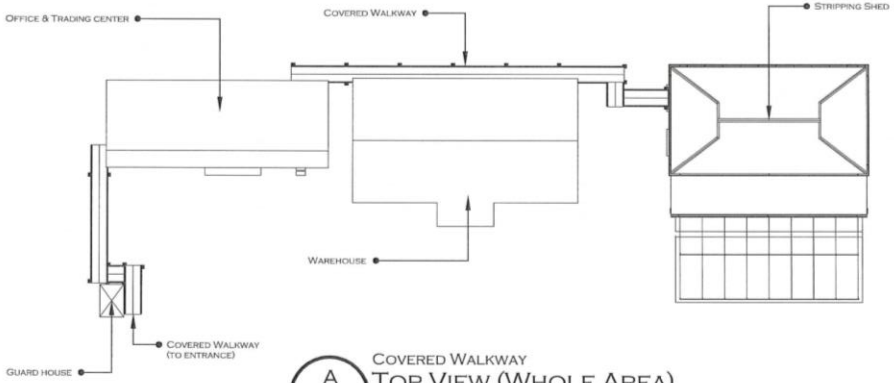
PHILIPPINE FIBER INDUSTRY DEVELOPMENT AUTHORITY 3/F DA-PCAF BLDG. DEPARTMENT OF AGRICULTURE, ELLIPTICAL ROAD, DILIMAN, QUEZON CITY	ABACA PROCESSING CENTER BUILDINGS/FACILITIES UNDER HIBLA FARMIING JOSEFINA, ZAMBOANGA DEL SUR	AS SHOWN	ENGR. LIAD ROBER A. LAGARTO ENGINEER I PROFESSION: AGRICULTURAL AND BIOSYSTEMS ENGINEER PRC LICENSE #: 0013 377 VALIDITY: 11/07/24	ENGR. ROMY ALVIN D. DOMINGO FIBER DEVELOPMENT OFFICER II/HEAD, EPDSS PROFESSION: AGRICULTURAL AND BIOSYSTEMS ENGINEER PRC LICENSE #: 0007874 VALIDITY:	ALMA MARIA K. SANTOS OIC, INTERIM FIBER ENGINEERING DIVISION	EVELYN B. CAGASAN, MM OIC, EXECUTIVE DIRECTOR	P1 7/7

A | A1 | A3 — COVERED WALKWAY PERSPECTIVE
SCALE (A3) NTS



A | A2 | A3 — COVERED WALKWAY TOP VIEW (WHOLE AREA)
SCALE (A3) NTS

REPUBLIC OF THE PHILIPPINES
OFFICE OF THE BUILDING OFFICIAL

MUNICIPAL ENGINEER

ARCHITECTURAL

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2. PAINTING MATERIALS FOR PRIME AND FINISH COATS SHALL BE HIGH QUALITY POINTS AND SHALL BE APPLIED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

3. ALL EXPOSED IRON STEEL WORKS TOGETHER WITH ROOF TRUSSES, WALL FRAMING, STEEL WINDOW CASING AND MISCELLANEOUS METALS SHALL RECEIVE A PRIME COAT(S), SHOP APPLIED IS POSSIBLE, BEFORE INSTALLATION. AFTER INSTALLATION, SAID MATERIALS SHALL BE CLEANED. ALL WELD AND OTHER DEFECTS SHALL RECEIVE TOUCH-UP PRIME COAT.

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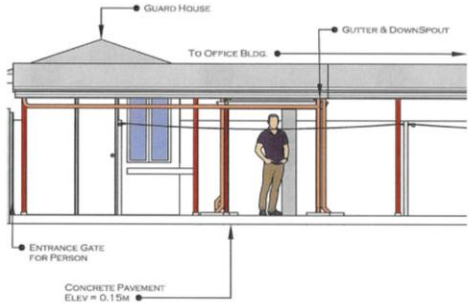
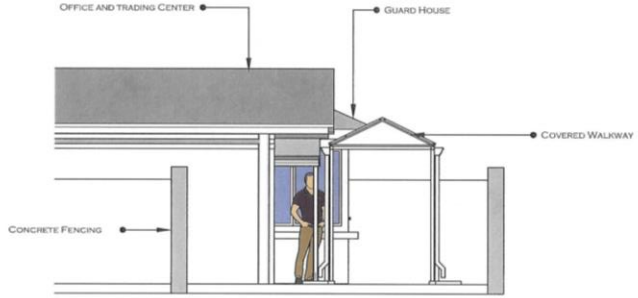


1A COVERED WALKWAY PERSPECTIVE VIEWS
SCALE (A3) NTS

1C COVERED WALKWAY PERSPECTIVE VIEWS
SCALE (A3) NTS



1B COVERED WALKWAY PERSPECTIVE VIEWS
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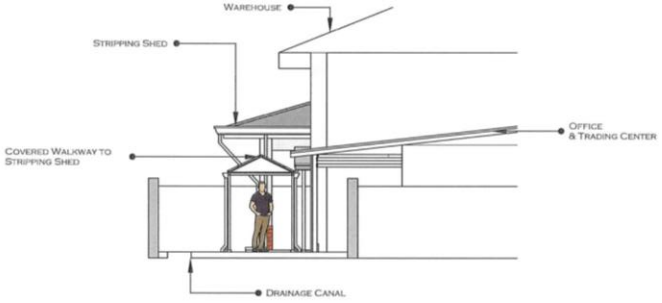

1C COVERED WALKWAY PERSPECTIVE VIEWS
SCALE (A3) NTS

REPUBLIC OF THE PHILIPPINES
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MUNICIPAL ENGINEER

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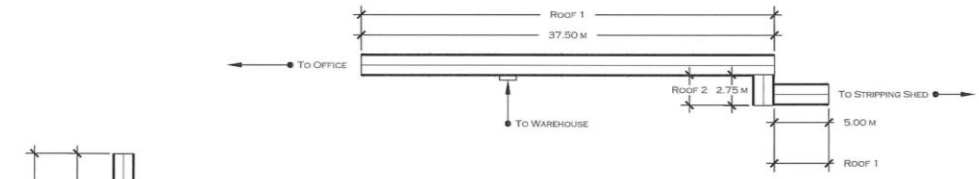
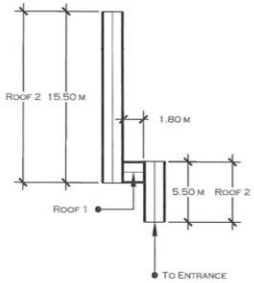
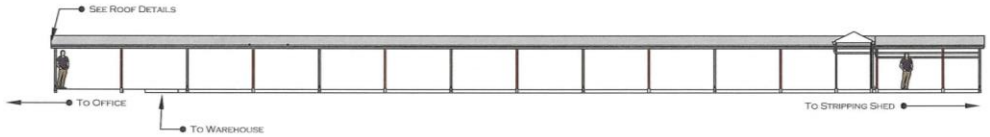




A — COVERED WALKWAY
TOP VIEW
SCALE (A3) NTS



B — COVERED WALKWAY
FRONT VIEW
SCALE (A3) NTS

REPUBLIC OF THE PHILIPPINES
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MUNICIPAL ENGINEER

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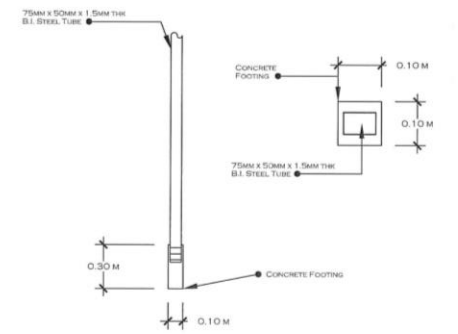
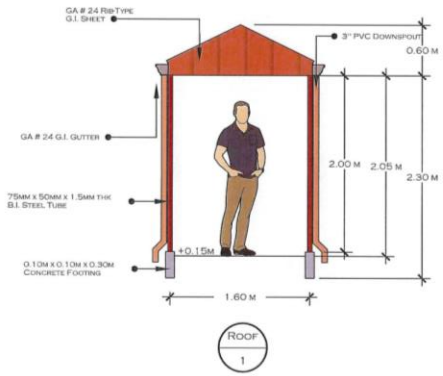
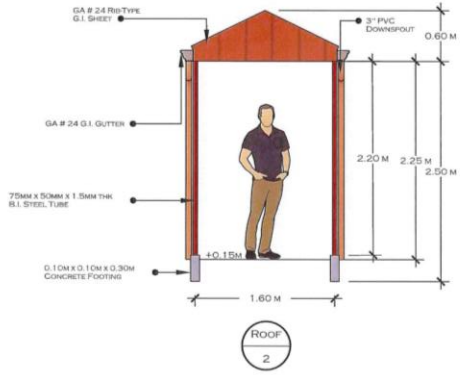
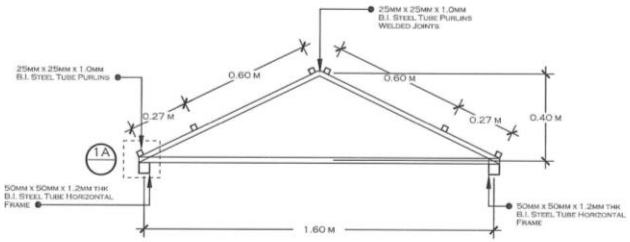


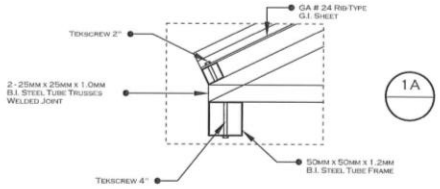
COVERED WALKWAY
A COLUMN DETAILS
S 1 | S 2
SCALE (A3) NTS



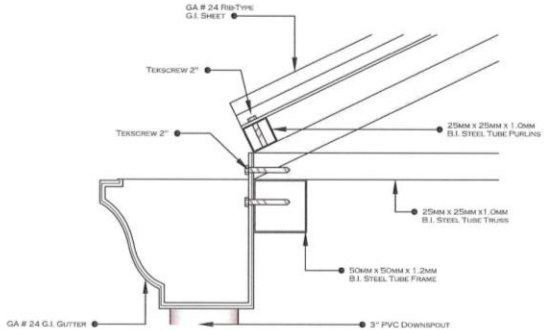


COVERED WALKWAY
C ROOF DETAILS
S 1 | S 2
SCALE (A3) NTS





COVERED WALKWAY
B ROOF FRAMING DETAILS
S 1 | S 2
SCALE (A3) NTS



COVERED WALKWAY
D GUTTER DETAILS
S 1 | S 2
SCALE (A3) NTS

REPUBLIC OF THE PHILIPPINES
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MUNICIPAL ENGINEER

STRUCTURAL

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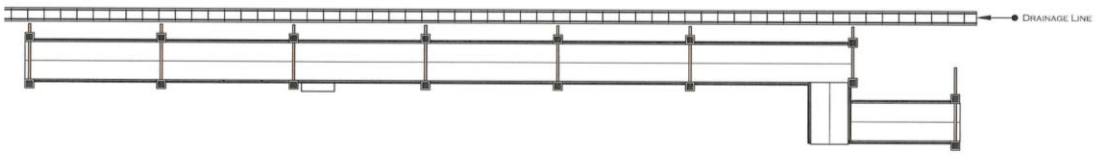

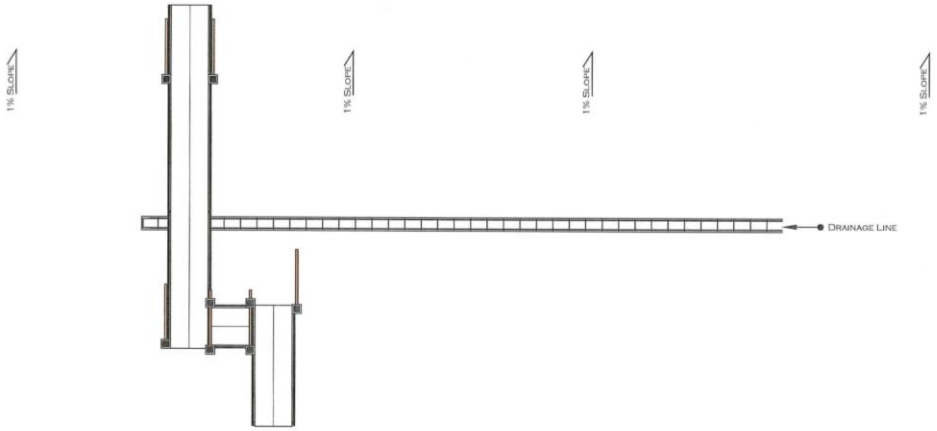

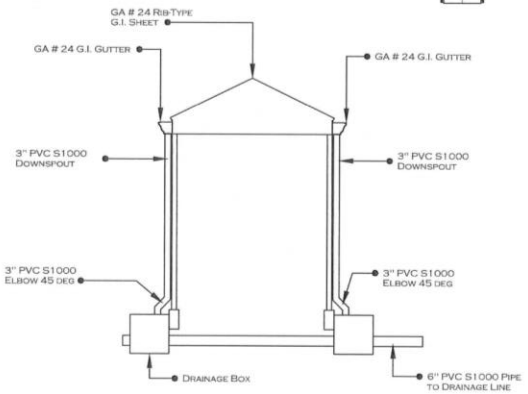

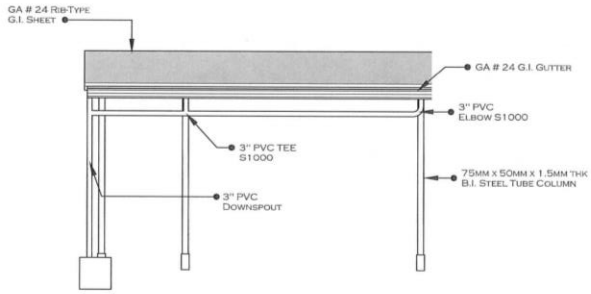

COVERED WALKWAY

DRAINAGE DETAILS

A S22 — SCALE (A3) NTS

REPUBLIC OF THE PHILIPPINES
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7. ALL PLUMBING WORKS HEREIN SHALL BE DONE UNDER THE DIRECT SUPERVISION OF A DULY LICENSED PLUMBING ENGINEER OR A MASTER PLUMBER.

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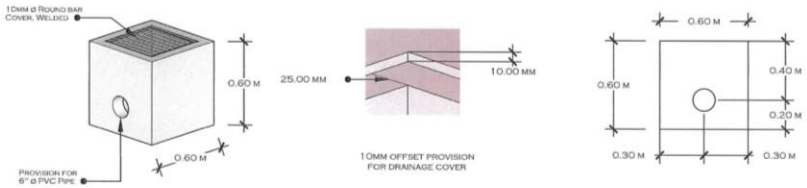

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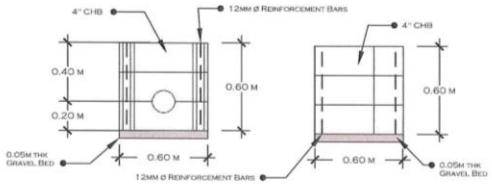

CHB DETAILS

A S2 S2

COVERED WALKWAY

DRAINAGE DETAILS

SCALE (A3) NTS

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1. ALL DIMENSIONS ARE IN METER, OR UNLESS OTHERWISE SPECIFIED.

2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ADEQUATE SHORING AND BRACING OF THE STRUCTURE FOR ALL LOADS THAT MAY BE IMPOSED DURING CONSTRUCTION.

3. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND DRAWINGS BEFORE ALL WORKS BEGIN, OR DURING CONSTRUCTION.

4. ALL CONSTRUCTION AND WORKMANSHIP SHALL BE SUBJECTED TO INSPECTION, EXAMINATION AND TESTING BY THE ENGINEER. THE ENGINEER SHALL HAVE THE RIGHT TO REJECT DEFECTIVE MATERIALS AND WORKMANSHIP OR REQUIRE ITS CORRECTION.

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

6. ALL PLUMBING INSTALLATIONS HEREIN SHALL BE DONE IN ACCORDANCE WITH THE LATEST RULES AND REGULATIONS OF THE SANITARY CODE OF THE PHILIPPINES.

7. ALL PLUMBING WORKS HEREIN SHALL BE DONE UNDER THE DIRECT SUPERVISION OF A DULY LICENSED PLUMBING ENGINEER OR A MASTER PLUMBER.

8. PLAN IS SUBJECT TO ACTUAL VERIFICATION.

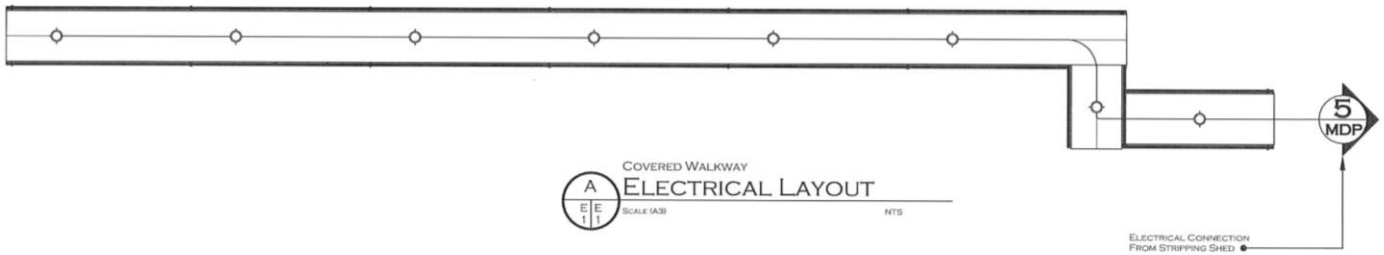
PAINTING WORKS:

1. THE CONTRACTOR SHALL PROTECT FRESHLY PAINTED OR EPOXIED, CONCRETE WALL AND CEILING SURFACE FROM ACCUMULATION OF DIRT, WATER, OR OTHER FOREIGN MATERIALS, WHATEVER THE CAUSE OR SOURCE. ANY DAMAGED SURFACES SHALL BE CLEANED, SANDED, OR STRIPPED AND RECOATED.

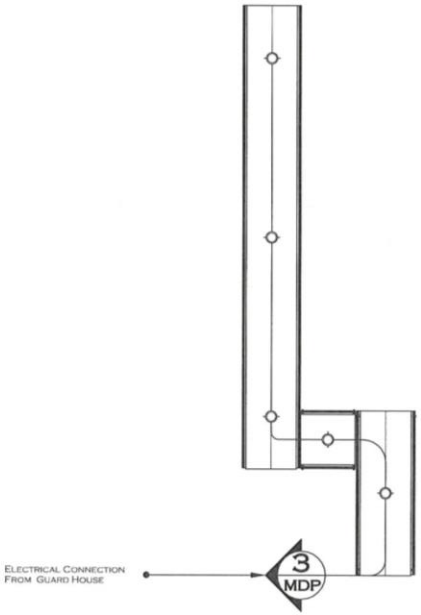
2. PAINTING MATERIALS FOR PRIME AND FINISH COATS SHALL BE HIGH QUALITY POINTS AND SHALL BE APPLIED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

3. ALL EXPOSED IRON STEEL WORKS TOGETHER WITH ROOF TRUSSES, WALL FRAMING, STEEL WINDOW CASING AND MISCELLANEOUS METALS SHALL RECEIVE A PRIME COAT(S), SHOP APPLIED IS POSSIBLE, BEFORE INSTALLATION. AFTER INSTALLATION, SAID MATERIALS SHALL BE CLEANED. ALL WELD AND OTHER DEFECTS SHALL RECEIVE TOUCHUP PRIME COAT.

OWNER	PROJECT TITLE/LOCATION	SHEET CONTENT	DRAWN/PREPARED BY:	REVIEWED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET NO
PHILIPPINE FIBER INDUSTRY DEVELOPMENT AUTHORITY 3/F DA-PCAF BLDG. DEPARTMENT OF AGRICULTURE, ELLIPTICAL ROAD, DILIMAN, QUEZON CITY	ABACA PROCESSING CENTER BUILDINGS/FACILITIES UNDER HIBLA FARMIING JOSEFINA, ZAMBOANGA DEL SUR	AS SHOWN	ENGR. LIAM ROBER A. LAGARTO ENGINEER I PROFESSION: AGRICULTURAL AND BIOSYSTEMS ENGINEER PRC LICENSE #: 0011377 VALIDITY: 11/07/24	ENGR. ROMY ALVIN D. DOMINGO FIBER DEVELOPMENT OFFICER II/HEAD, EPDSS PROFESSION: AGRICULTURAL AND BIOSYSTEMS ENGINEER PRC LICENSE #: 0007674 VALIDITY:	ALMA MARIA K. SANTOS OIC, INTERIM FIBER ENGINEERING DIVISION	EVELYN B. CABASAN, MM OIC, EXECUTIVE DIRECTOR	S3 67



COVERED WALKWAY
ELECTRICAL LAYOUT
SCALE (A3) NTS



COVERED WALKWAY
ELECTRICAL LAYOUT
SCALE (A3) NTS

REPUBLIC OF THE PHILIPPINES
OFFICE OF THE BUILDING OFFICIAL

MUNICIPAL ENGINEER

ELECTRICAL

ELECTRICAL WORKS:

1. ALL ELECTRICAL WORKS SHALL COMPLY IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS. THE APPLICABLE PROVISIONS 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 WORKS SHALL BE UNDER IMMEDIATE SUPERVISOR OF A DULY REGISTERED ELECTRICAL ENGINEER.

2. THE ELECTRICAL SERVICE POWER IS 1-PHASE, 2 WIRE + GROUND 230 V AC, 60Hz.

3. WIRING METHOD SHALL BE AS FOLLOWS: A. FEEDERS & RISERS - RIGID STEEL CONDUI TB. LIGHTING, POWER RECEPTACLE BRANCH CKT., AUXILLARY - POLYVINYL CHLORIDE CONDUIT

4. ALL WIRES SHALL BE COPPER AND THERMOPLASTIC INSULATED TYPE "THHN" UNLESS OTHERWISE INDICATED IN THE PLAN. THE MINIMUM SIZE OF WIRE FOR POWER AND LIGHTING CIRCUIT HOMERUN SHALL BE 3.5MM AND INSULATED FOR 600 VOLTS. SMALLEST RACEWAY SHALL BE 15MM² TRADE/NOMINAL SIZE. LIKEWISE, ALL ELECTRICAL WIRES SHALL BE COLOR CODED .

5. ALL OUTLET BOXES SHALL BE GALVANIZED GAUGE NO. 16 DEEP TYPE WITH FACTORY KNOCKOUTS.

6. ALL MATERIALS TO BE USED SHALL BE BRAND NEW AND APPROVED TYPE FOR THE PARTICULAR LOCATION AND PURPOSE OF USAGE.

7. EQUIPMENT GROUNDING SYSTEM SHALL BE PROVIDED TO ELECTRICAL SYSTEM AS PER ELECTRICAL CODE REQUIREMENT.

8. ELECTRICAL LAYOUT "A" POWER SOURCE SHALL BE FROM STRIPPING SHED AND ELECTRICAL LAYOUT "B" POWER SOURCE SHALL BE FROM GUARD HOUSE. SEE BOTH ELECTRICAL COMPUTATIONS FROM EACH OF ITS OWN ELECTRICAL PLANS.

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PHILIPPINE FIBER INDUSTRY DEVELOPMENT AUTHORITY 3/F DA-PCAF BLDG. DEPARTMENT OF AGRICULTURE, ELLIPTICAL ROAD, DILIMAN, QUEZON CITY	ABACA PROCESSING CENTER BUILDINGS/FACILITIES UNDER HIBLA FARMIING JOSEFINA, ZAMBOANGA DEL SUR	AS SHOWN	ENGR. LIAM ROBER A. LAGARTO ENGINEER I PROFESSION: AGRICULTURAL AND BIOSYSTEMS ENGINEER PRC LICENSE #: 0011377 VALIDITY: 11/07/24	ENGR. ROMY ALVIN D. DOMINGO FIBER DEVELOPMENT OFFICER II/HEAD, EPDSS PROFESSION: AGRICULTURAL AND BIOSYSTEMS ENGINEER PRC LICENSE #: 0007874 VALIDITY:	ALMA MARIA K. SANTOS OIC, INTERIM FIBER ENGINEERING DIVISION	EVELYN B. CAGASAN, MM OIC, EXECUTIVE DIRECTOR	E1 7/7

_____	_____	_____
Signature over Printed Name of Bidder's Authorized Representative	Position	Name of Company

_____
Date Signed

REMINDER

Bidder's authorized representative must affix his/her signature. Failure of the authorized representative to sign each and every page of the Detailed Engineering Design shall be a cause for rejection of his/her bid.