

Republic of the Philippines

Department of Agriculture

PHILIPPINE FIBER INDUSTRY DEVELOPMENT AUTHORITY

3/F DA-PCAF Bldg., Department of Agriculture, Elliptical Road, Diliman, Quezon City

THE BIDS AND AWARDS COMMITTEE

Tel. Nos. 98288756 to 65 loc. 2652; 87219813 | Email: bac@philfida.da.gov.ph



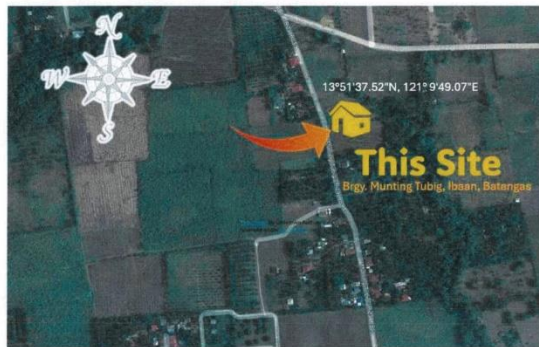
Invitation to Bid for the Procurement of Weaving and Processing Center in Ibaan, Batangas

Annex A.1

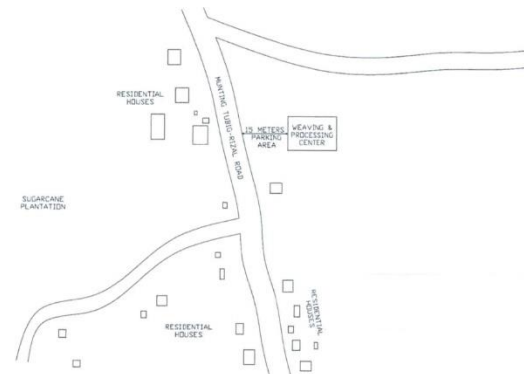
DETAILED ENGINEERING DESIGN



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



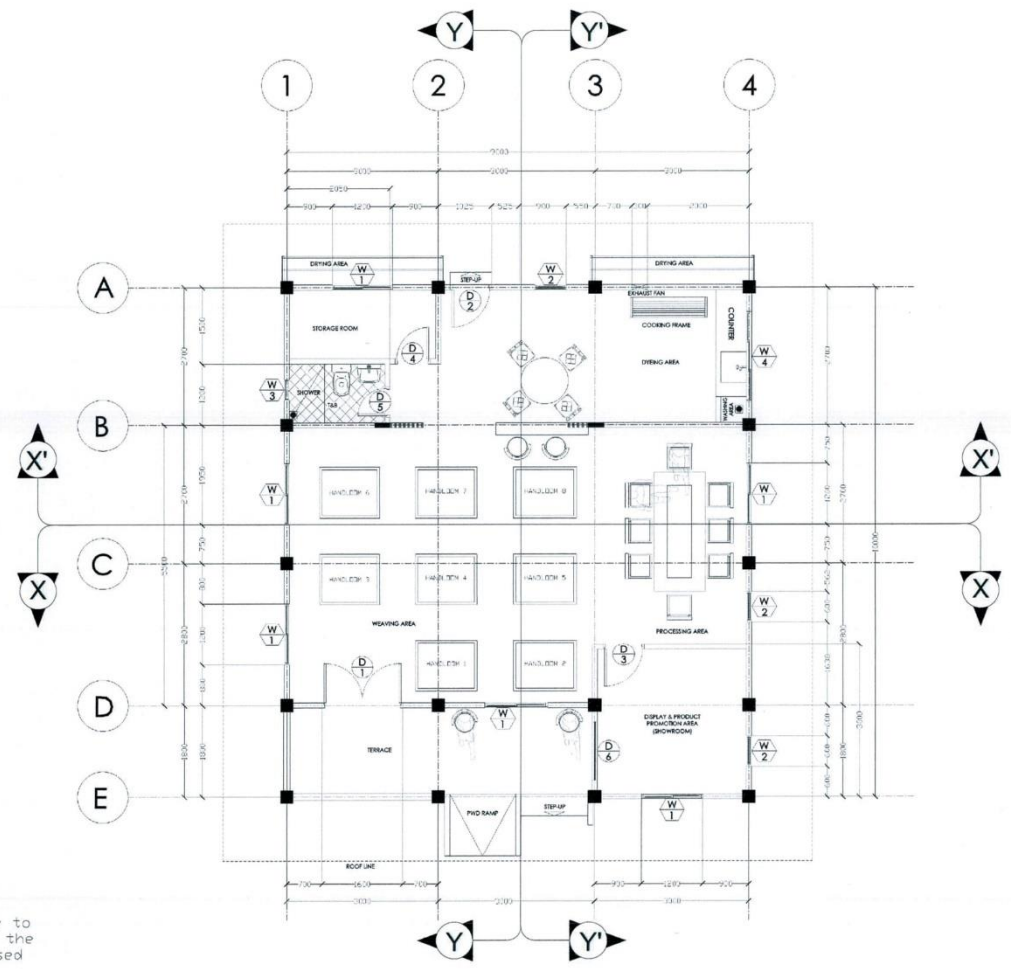
2 **VICINITY MAP**
A-1 NOT TO SCALE



3 **SITE DEVELOPMENT PLAN**
A-1 NOT TO SCALE

REPUBLIC OF THE PHILIPPINES OFFICE OF THE BUILDING OFFICIALS
CITY/MUNICIPALITY
LAND AND ZONING
LINE AND GRADE
ELECTRICAL
PLUMBING
STRUCTURAL
ARCHITECTURAL






OWNER: PHILIPPINE FIBER INDUSTRY DEVELOPMENT AUTHORITY 3/F PCAP BLDG. DEPARTMENT OF AGRICULTURE ELLIPTICAL ROAD, DILIMAN, QUEZON CITY	PROJECT TITLE/LOCATION: WEAVING AND PROCESSING CENTER SITIO STA. MARGARETA, BRGY. MUNTING TUBIG, IBAAN, BATANGAS	SHEET CONTENTS: AS SHOWN	DRAWN & DESIGNED BY: ENGR. LUNA B. BANGUILLA AGRICULTURAL SYSTEMS ENGINEER	CHECKED BY: ENGR. PEPITO M. SORIANO III ENGINEER II	RECOMMENDING APPROVAL: CONCEPTION D. SOCSON OIC, FIBER UTILIZATION AND TECHNOLOGY DIVISION	APPROVED BY: EVELYN B. CAGASAM, MM OIC, EXECUTIVE DIRECTOR	SHEET NO. A-01 1 27
DATE:	REV. NO.:	REV. DATE:	PRC: 507711 PTR: TIN:	PRC: 08684 PTR: TIN:			
			VALIDITY DATE: 07/15/2025	VALIDITY DATE: 09/26/2025			

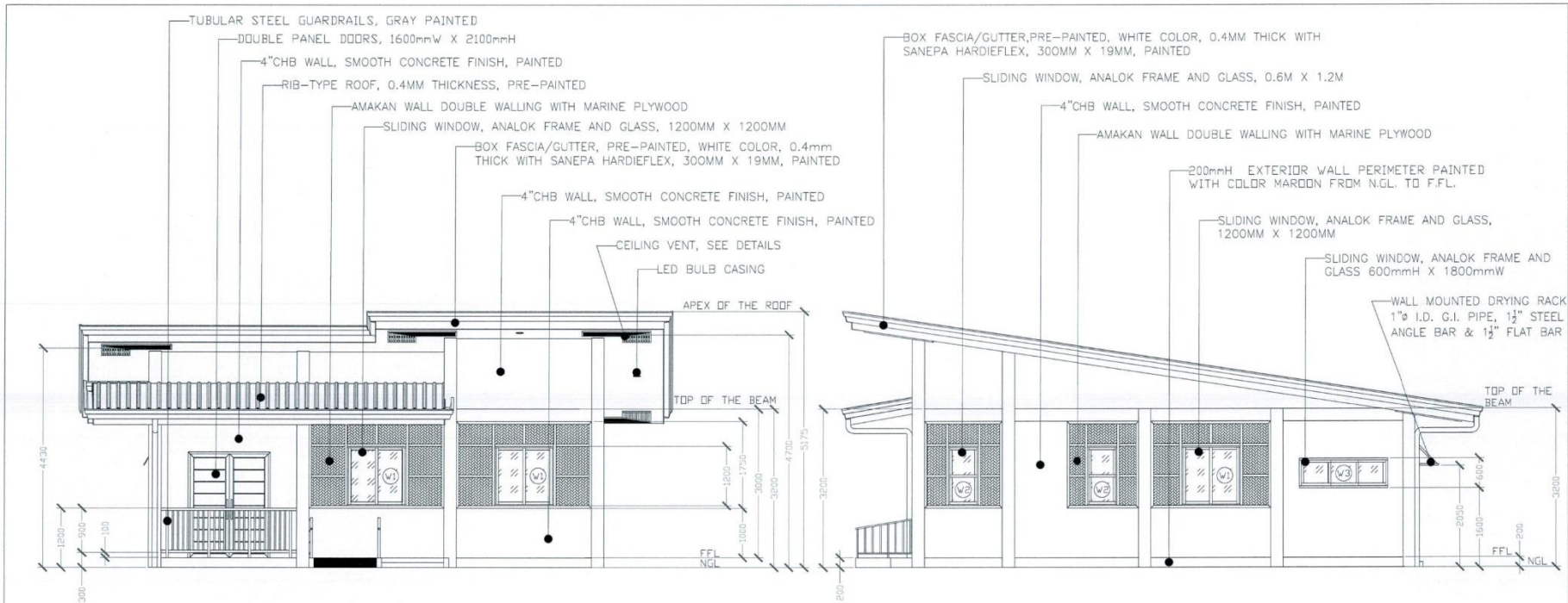


FLOOR PLAN

SCALE 1:90 MM

- NOTES:
1. All dimension is in millimeter, 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;
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 4. Subject to actual verification.

OWNER:  PHILIPPINE FIBER INDUSTRY DEVELOPMENT AUTHORITY 3/F PCAF BLDG., DEPARTMENT OF AGRICULTURE ELLIPTICAL ROAD, DILIMAN, QUEZON CITY	PROJECT TITLE/LOCATION: WEAVING AND PROCESSING CENTER SITIO STA. MARGARETA, BRGY. MUNTING TUBIG, IBAAN, BATANGAS	SHEET CONTENTS: AS SHOWN	DRAWN & DESIGNED BY:  ENGR. CLAUDUALDO S. SORIANO AGRICULTURAL AND FISHERIES ENGINEER	CHECKED BY:  ENGR. PEPITO M. SORIANO ENGINEER	RECOMMENDING APPROVAL:  CONCEPTION U. JOCSON OIC, FIBER UTILIZATION AND TECHNOLOGY DIVISION	APPROVED BY:  EVEL W. B. GASAN, MM OIC, EXECUTIVE DIRECTOR	SHEET NO. A-02 2 27
		DATE: _____ REV. NO.: REV. DATE:	PRC: 007711 PIR: _____ TIN: _____ VALIDITY DATE: 07/13/2025	PRC: 005884 PIR: _____ TIN: _____ VALIDITY DATE: 08/29/2025			



1 FRONT ELEVATION
SCALE 1:80 MM

2 RIGHT SIDE ELEVATION
SCALE 1:80 MM

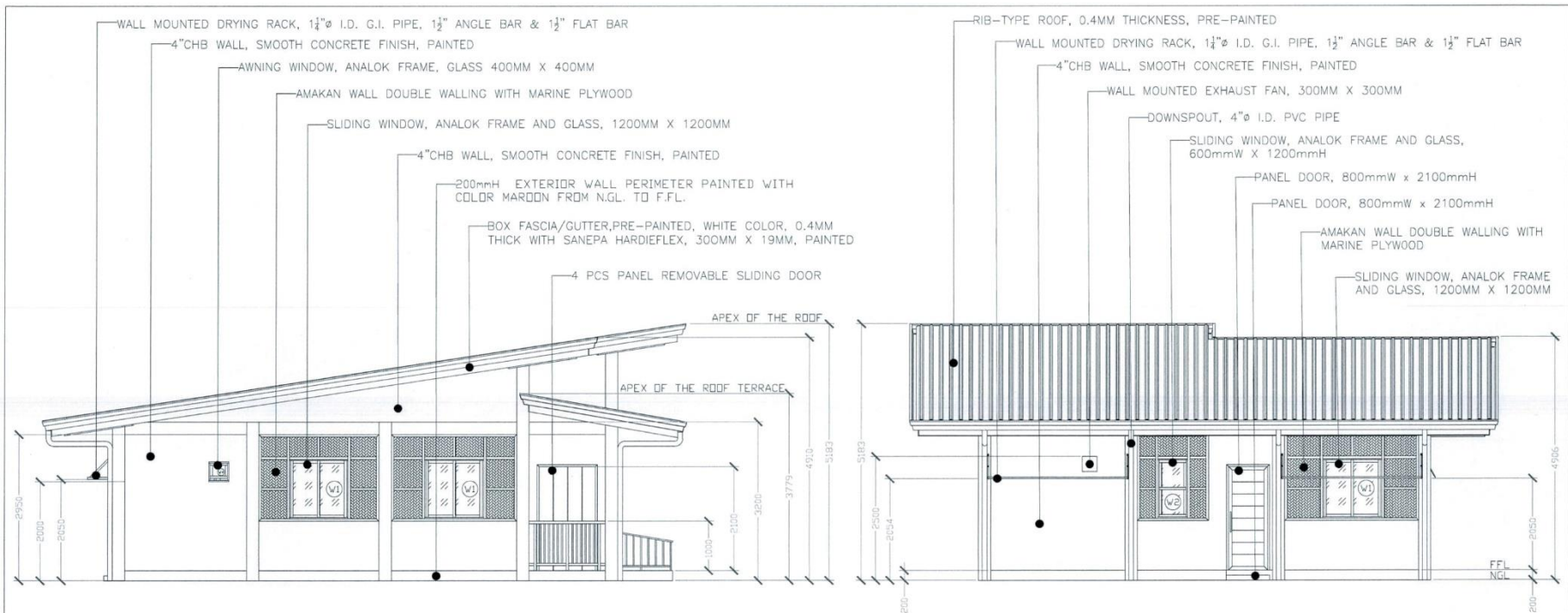
PAINTING WORKS:

1. CONCRETE WALL EXTERNAL: 1 COAT PRIMER & 2 COATS FINISH (TULLE-WHITE);
2. CONCRETE WALL INTERNAL & MARINE PLYWOOD DOUBLE WALLING: 1 COAT PRIMER & 2 COATS FINISH (BSC-44 DUSTY BEIGE) & MUST REFLECT AS A SOLID CONCRETE WALL AFTER PAINTED;
3. AMAKAN/SAWALI (SPLIT-BAMBOD MATS): SANDING SEALER & VARNISH (CLEAR GLOSS LACQUER B-1250);
4. CEILINGS: 1 COAT PRIMER & 2 COATS FINISH (LATEX WHITE);
5. DOOR AND JAMB: 1 COAT PRIMER & 2 COATS FINISH (WOOD STAIN MAPLE BROWN, SANDING SEALER & CLEAR GLOSS LACQUER B-1250);
6. ALL COLORS MUST BE VERIFY FIRST TO THE OWNER;
7. APPLY CONCRETE NEUTRALIZER TO CONCRETE WALL BEFORE PAINTING WORKS BEGIN.

NOTES:

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OWNER: PHILIPPINE FIBER INDUSTRY DEVELOPMENT AUTHORITY <small>3/F PCAF BLDG., DEPARTMENT OF AGRICULTURE, ELLIPTICAL ROAD, DILMAN, QUEZON CITY</small>	PROJECT TITLE/LOCATION: WEAVING AND PROCESSING CENTER <small>SITIO STA. MARGARETA, BRGY. MUNTING TUBIG, IBAAN, BATANGAS</small>	SHEET CONTENTS:	DRAWN & DESIGNED BY: ENGR. OSCAR M. ARQUILLA <small>AGRICULTURAL ARCHITECTURE ENGINEER</small>	CHECKED BY: ENGR. PEPTO B. SORIANO III <small>REGISTERED</small>	RECOMMENDING APPROVAL: CONCEPTION D. JOCSON <small>DIC, FIBER UTILIZATION AND TECHNOLOGY DIVISION</small>	APPROVED BY: EVELYN B. CAGASAN, MM <small>DIC, EXECUTIVE DIRECTOR</small>	SHEET NO.:
		AS SHOWN	DATE: <small>PRC: 00711 PTR: TSN: VALIDITY DATE: 07/13/2025</small>	<small>PRC: 00554 PTR: TSN: VALIDITY DATE: 09/29/2025</small>	<small>PRC: 00554 PTR: TSN: VALIDITY DATE: 09/29/2025</small>	A-03 3/27	



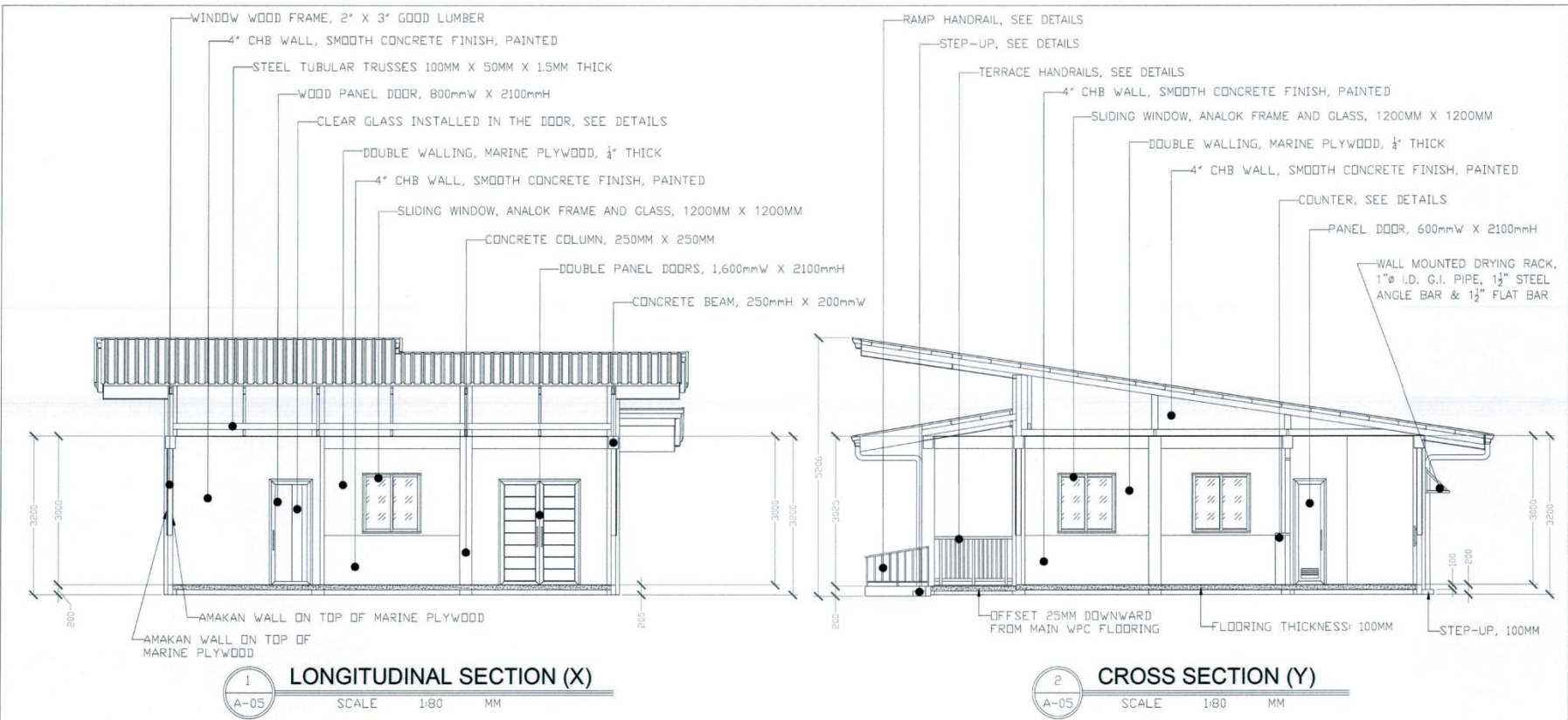
1 LEFT SIDE ELEVATION
SCALE 1:80 MM

2 REAR ELEVATION
SCALE 1:80 MM

- PAINTING WORKS:**
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		DATE: PRC: 007711 PTR: TR:	DATE: PRC: 008684 PTR: TR:	REV. NO.: REV. DATE:	VALIDITY DATE: 07/13/2025	VALIDITY DATE: 08/29/2025	



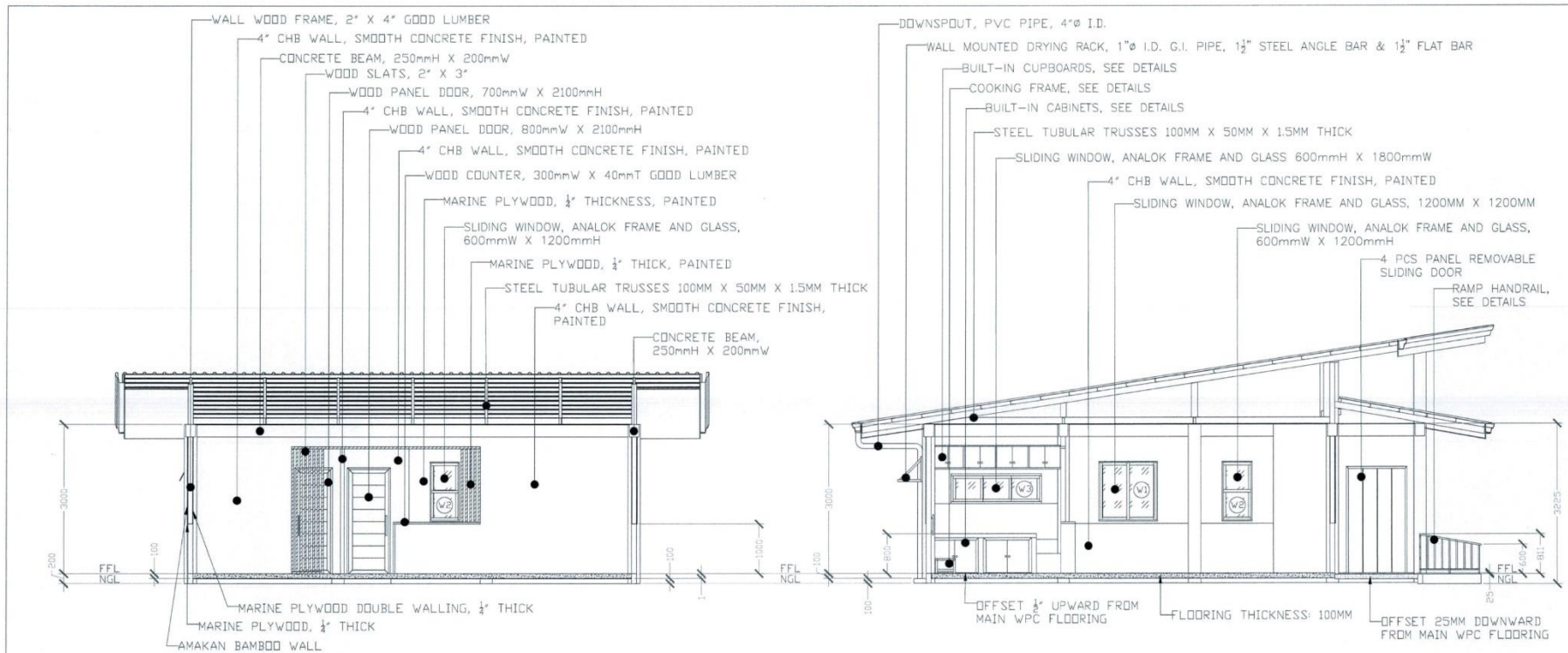
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		DATE: _____ REV. NO.: REV. DATE:	PRG.: 00711 PTR: _____ TIN: _____ VALIDITY DATE: 07/15/2025	PRG.: 00854 PTR: _____ TIN: _____ VALIDITY DATE: 06/29/2025			



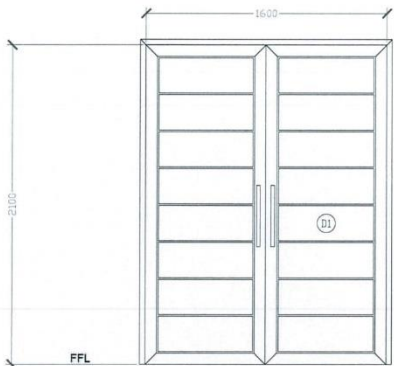
1 LONGITUDINAL SECTION (X')
 A-06 SCALE 1:80 MM

2 CROSS SECTION (Y')
 A-06 SCALE 1:80 MM

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		DATE: REV. NO.: REV. DATE:	DATE: REV. NO.: REV. DATE:	DATE: REV. NO.: REV. DATE:	DATE: REV. NO.: REV. DATE:	DATE: REV. NO.: REV. DATE:	DATE: REV. NO.: REV. DATE:



1 SET DOUBLE PANEL DOOR IN 2"X5" TANGUILE / MAHOGANY DOOR JAMB; USE 4 PCS 4" HEAVY DUTY HINGES; & HEAVY DUTY DOOR LOCK

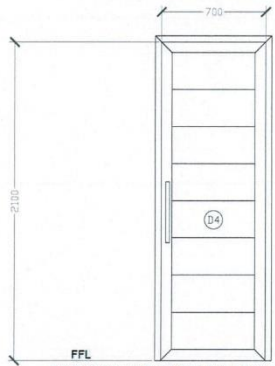


1 SET PANEL DOOR IN 2"X5" TANGUILE / MAHOGANY DOOR JAMB; USE 4 PCS 4" HEAVY DUTY HINGES; & HEAVY DUTY DOOR KNOB



1 SET FLUSH DOOR, DOUBLE WALL WITH 1/2" THK. PLYWOOD WITH INSTALLED CLEAR GLASS IN 2"X5" TANGUILE / MAHOGANY DOOR JAMB; USE 4 PCS 4" HEAVY DUTY HINGES; & HEAVY DUTY DOOR KNOB

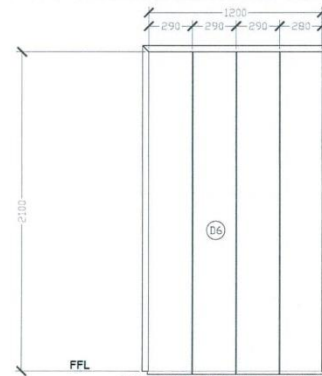
CLEAR GLASS



1 SET PANEL DOOR IN 2"X5" TANGUILE / MAHOGANY DOOR JAMB; USE 4 PCS 4" HEAVY DUTY HINGES; & HEAVY DUTY DOOR KNOB



1 SET PVC DOOR



4-5 PCS 12MM THICK S4S GOOD LUMBER REMOVABLE SLIDING DOOR IN 2"X5" TANGUILE / MAHOGANY DOOR JAMB

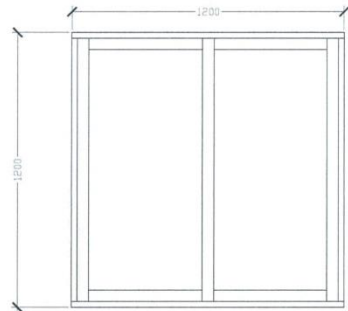
IMPORTANT REMINDER!!!
ONLY HEAVY DUTY AND HIGH QUALITY DOOR HANDLE OR KNOB AND HINGES SHALL BE USED AND INSTALLED

NOTES:

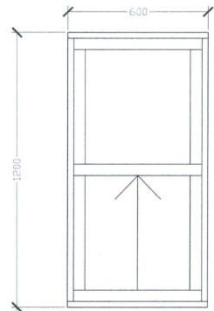
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1
SCHEDULE OF DOORS
SCALE 1:50 MM

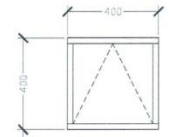
OWNER:  PHILIPPINE FIBER INDUSTRY DEVELOPMENT AUTHORITY 3/F PCFAP BLDG., DEPARTMENT OF AGRICULTURE ELLIPTICAL ROAD, DILIMAN, QUEZON CITY	PROJECT TITLE/LOCATION: WEAVING AND PROCESSING CENTER SITIO STA. MARGARETA, BRGY. MUNTING TUBIG, IBAAN, BATANGAS	SHEET CONTENTS: AS SHOWN	DRAWN & DESIGNED BY:  ENGR. CLAUDALDO B. BARGUILLA AGRICULTURE AND FISHERIES ENGINEER	CHECKED BY:  ENGR. PEDRO M. SORIANO III ENGINEER III	RECOMMENDING APPROVAL:  CONCEPCION D. SOCOSON OIC, FIBER UTILIZATION AND TECHNOLOGY DIVISION	APPROVED BY:  EVELYN R. JAGASAN, MM OIC, EXECUTIVE DIRECTOR	SHEET NO. A-07 7 / 27
		DATE: _____ TRN: _____ REV. NO.:	DATE: _____ TRN: _____ VALIDITY DATE: 07/19/2025	DATE: _____ TRN: _____ VALIDITY DATE: 09/29/2025			



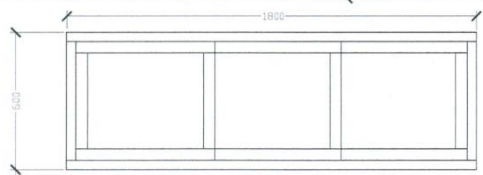
W-1
SLIDING WINDOW IN ANALOK FRAME
REFLECTIVE GLASS, 6MM THICKNESS
WITH GRILLS AND SCREEN
6-SETS



W-2
SLIDING WINDOW IN ANALOK FRAME
REFLECTIVE GLASS, 6MM THICKNESS
WITH GRILLS AND SCREEN
3-SETS



W-3
AWNING TYPE WINDOW IN
ANALOK FRAME REFLECTIVE
GLASS, 6MM THICKNESS
1-SET

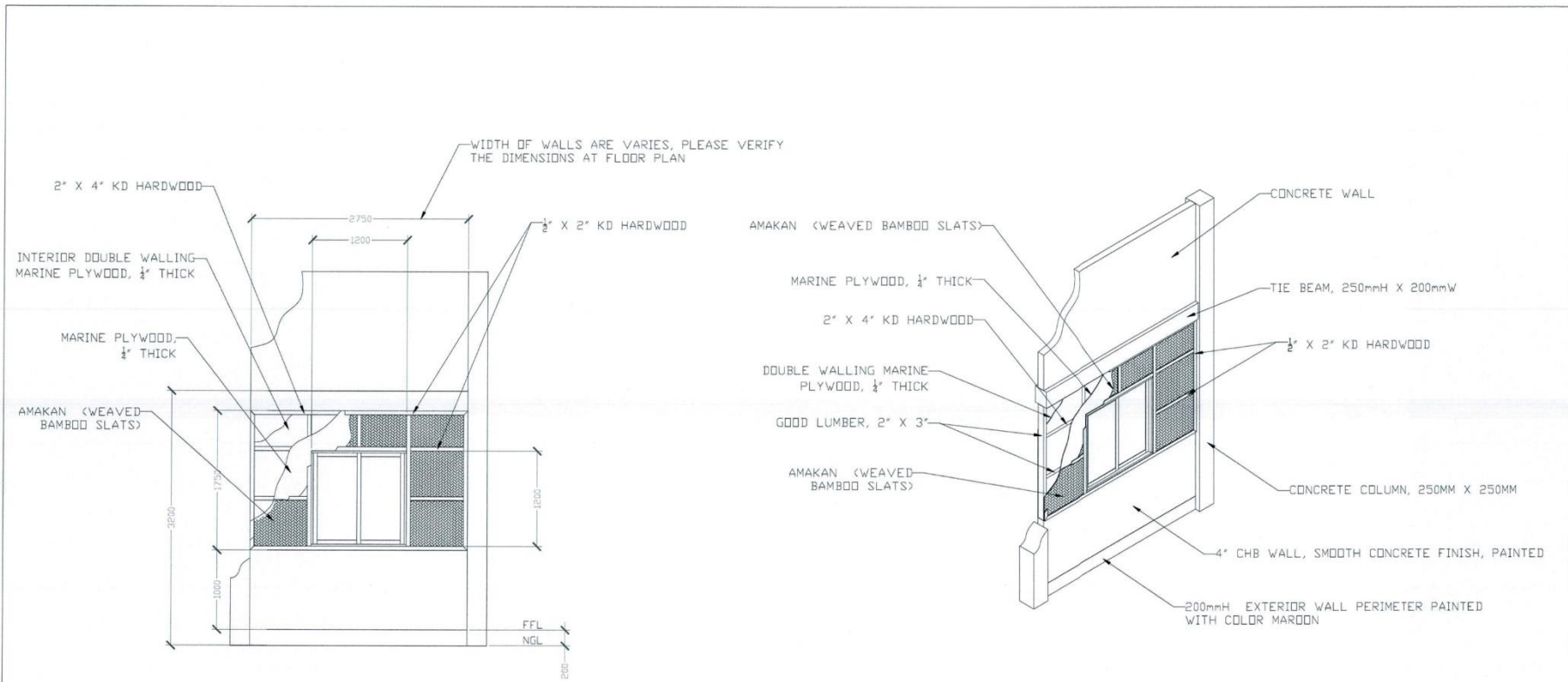


W-4
SLIDING WINDOW IN ANALOK FRAME REFLECTIVE
GLASS, 6MM THICKNESS WITH GRILLS AND SCREEN
1-SET

1
A-08 **SCHEDULE OF WINDOWS**
SCALE 1:30 MM

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<p>PHILIPPINE FIBER INDUSTRY DEVELOPMENT AUTHORITY 3/F PCAF BLDG., DEPARTMENT OF AGRICULTURE ELLIPTICAL ROAD, DILIMAN, QUEZON CITY</p>	<p>PROJECT TITLE/LOCATION: WEAVING AND PROCESSING CENTER SITIO STA. MARGARETA, BRGY. MUNTING TUBIG, IBAAAN, BATANGAS</p>	<p>SHEET CONTENTS: AS SHOWN</p>	<p>DRAWN & DESIGNED BY: ENGR. CARLOS M. TORQUILLA AGRICULTURAL AND FORESTRY ENGINEER</p>	<p>CHECKED BY: ENGR. PEPITO M. SORIANO III LICENSED</p>	<p>RECOMMENDING APPROVAL: CONCEPCION D. JOCSON OIC, FIBER UTILIZATION AND TECHNOLOGY DIVISION</p>	<p>APPROVED BY: EVELYN B. CAGASAN, MM OIC EXECUTIVE DIRECTOR</p>	<p>SHEET NO. A-08 8 27</p>
		<p>DATE:</p>	<p>PRC: 007711</p>	<p>PRC: 008584</p>	<p>DATE:</p>	<p>PRC: 008584</p>	<p>DATE:</p>
<p>REV. NO.:</p>	<p>REV. DATE:</p>	<p>VALIDITY DATE: 07/15/2025</p>	<p>VALIDITY DATE: 09/29/2025</p>	<p>VALIDITY DATE: 09/29/2025</p>	<p>VALIDITY DATE: 09/29/2025</p>	<p>VALIDITY DATE: 09/29/2025</p>	



1
EXTERIOR WALL DETAILS
 SCALE 1:30 MM

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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.

Republic of the Philippines
Department of Agriculture

PHILIPPINE FIBER INDUSTRY DEVELOPMENT AUTHORITY

3/F DA-PCAF Bldg., Department of Agriculture, Elliptical Road, Diliman, Quezon City

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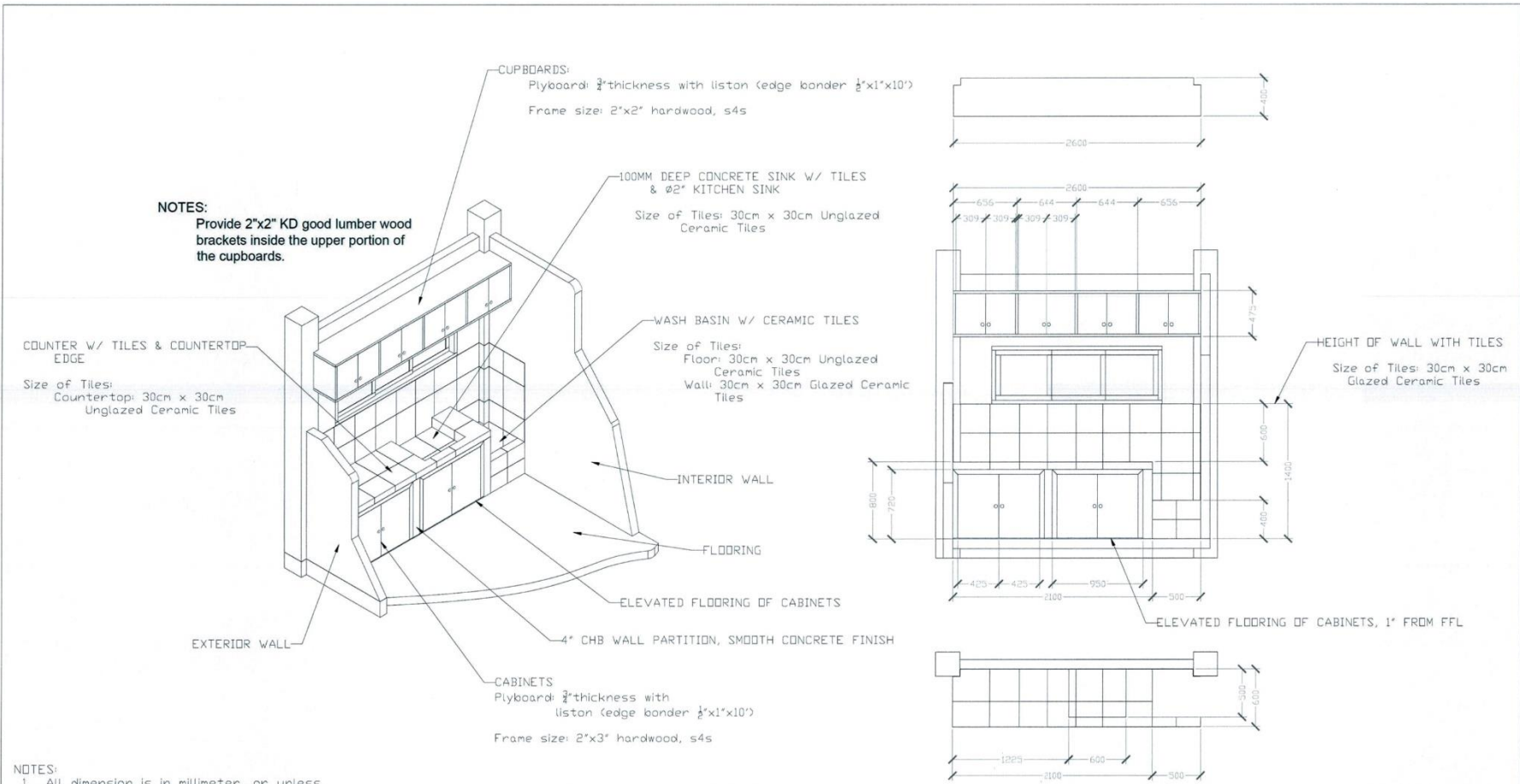
Tel. Nos. 98288756 to 65 loc. 2652; 87219813 | Email: bac@philfida.da.gov.ph



**Invitation to Bid for the Procurement of
Weaving and Processing Center in Ibaan, Batangas**

Annex A.2

DETAILED ENGINEERING DESIGN



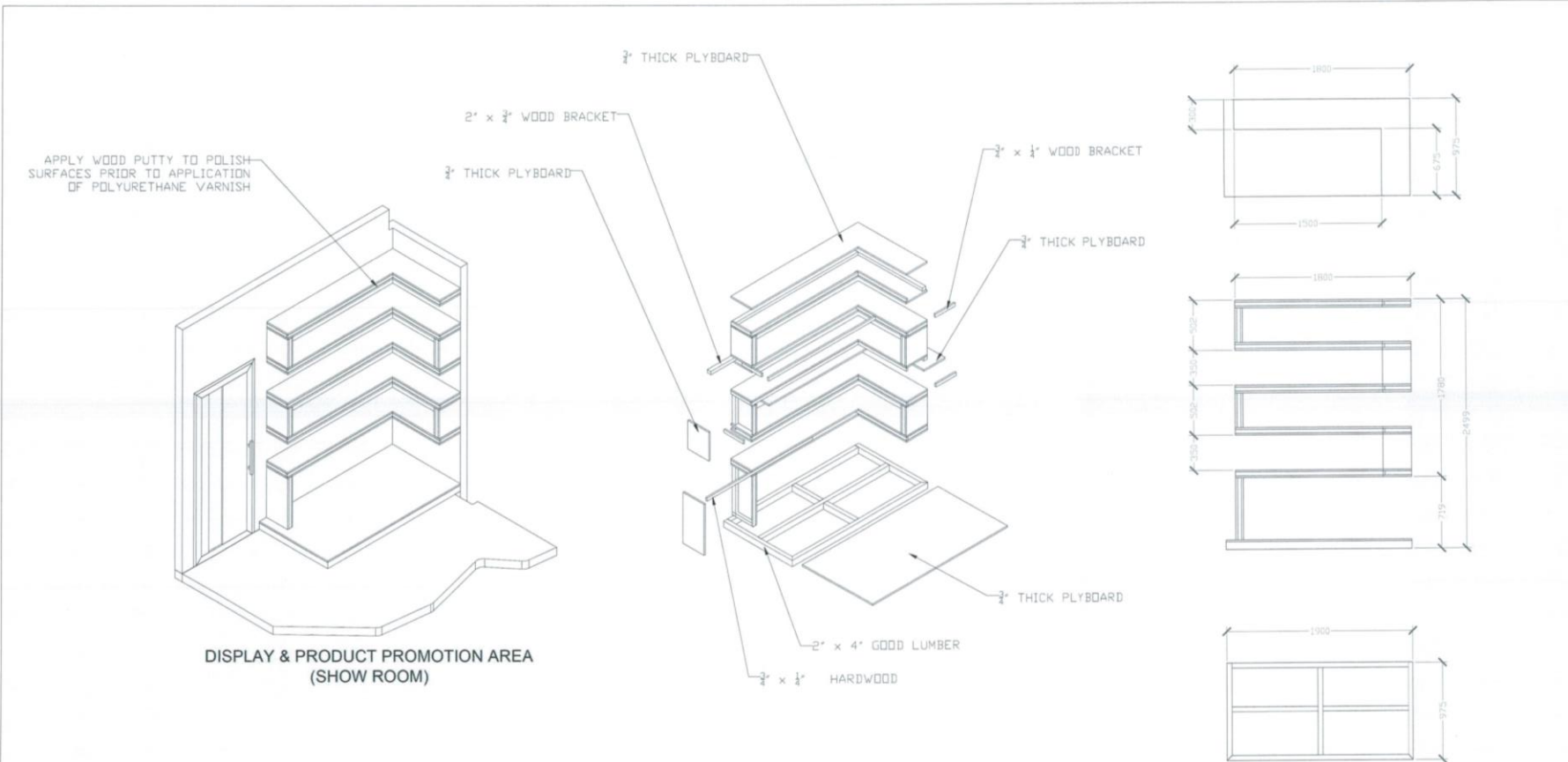
NOTES:
Provide 2"x2" KD good lumber wood brackets inside the upper portion of the cupboards.

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DETAILS OF CABINETS, CUPBOARDS, COUNTER & WASH BASIN

SCALE 1:40 MM

OWNER: PHILIPPINE FIBER INDUSTRY DEVELOPMENT AUTHORITY <small>3/F ROAF BLDG., DEPARTMENT OF AGRICULTURE ELLIPTICAL ROAD, DILIMAN, QUEZON CITY</small>	PROJECT TITLE/LOCATION: WEAVING AND PROCESSING CENTER <small>SITIO STA. MARGARETA, BRGY. MUNTING TUBIG, IBANAN, BATANGAS</small>	SHEET CONTENTS: AS SHOWN	DRAWN & DESIGNED BY: ENGR. CARLO S. ARGUILLA <small>AGRICULTURAL PROJECTS ENGINEER</small>	CHECKED BY: ENGR. PEPITO M. SERRANO III <small>ENGINEER</small>	RECOMMENDING APPROVAL: CONCEPTION D. JOCCSON <small>DIR. FIBER UTILIZATION AND TECHNOLOGY DIVISION</small>	APPROVED BY: EVELYN B. SAGASAN MM <small>DIR. EXECUTIVE DIRECTOR</small>	SHEET NO. A-10 10/27
		DATE: _____ REV. NO.: REV. DATE:	PRC: 007711 PTR: _____ TIN: _____ VALIDITY DATE: 07/19/2025	PRC: 006844 PTR: _____ TIN: _____ VALIDITY DATE: 06/29/2025	DATE: _____ REV. NO.: REV. DATE:		



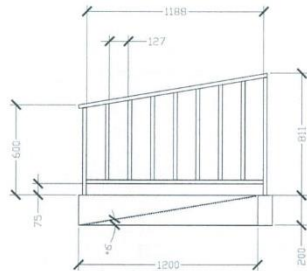
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1
A-11

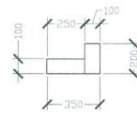
DETAILS OF SHELVES IN THE DISPLAY & PRODUCT PROMOTION AREA

SCALE 1:40 MM

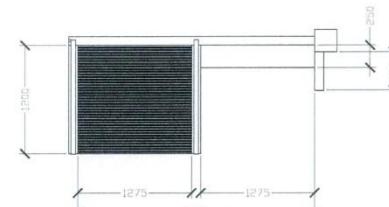
OWNER: PHILIPPINE FIBER INDUSTRY DEVELOPMENT AUTHORITY <small>39 KCAF BLDG., DEPARTMENT OF AGRICULTURE, ELLIPTICAL ROAD, DILMAN, QUEZON CITY</small>	PROJECT TITLE/LOCATION: WEAVING AND PROCESSING CENTER <small>SITIO STA. MARGARETA, BIRGY, MUNTING TUBIG, IBAAN, BATANGAS</small>	SHEET CONTENTS: AS SHOWN	DRAWN & DESIGNED BY: <small>ENGR. CLARA S. BARQUILLA</small> <small>AGRICULTURAL ENGINEERING ENGINEER</small>	CHECKED BY: <small>ENGR. PEPITO P. SORIANO III</small> <small>REGISTERED</small>	RECOMMENDING APPROVAL: <small>CONCEPCION D. JOCSON</small> <small>CH. FIBER UTILIZATION AND TECHNOLOGY DIVISION</small>	APPROVED BY: <small>EVELYN V. CAGASAN, M.M.</small> <small>CH. EXECUTIVE DIRECTOR</small>	SHEET NO.: <div style="border: 1px solid black; border-radius: 50%; padding: 5px; text-align: center;"> A-11 11 27 </div>
DATE: _____ REV. NO.: _____ REV. DATE: _____			DATE: _____ PRC: 007711 PTR: _____ TIN: _____ VALIDITY DATE: 07/13/2025		DATE: _____ PRC: 00884 PTR: _____ TIN: _____ VALIDITY DATE: 08/29/2025		



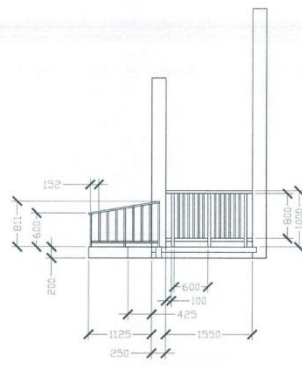
DETAILS OF RAMP
SCALE: 1:30



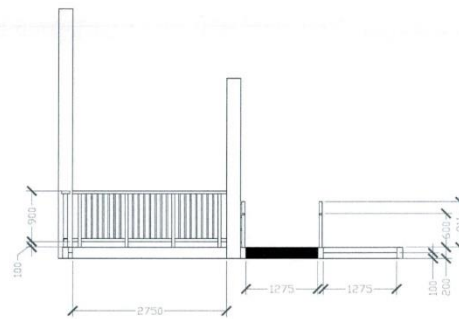
DETAILS OF STEP-UP
SCALE: 1:30



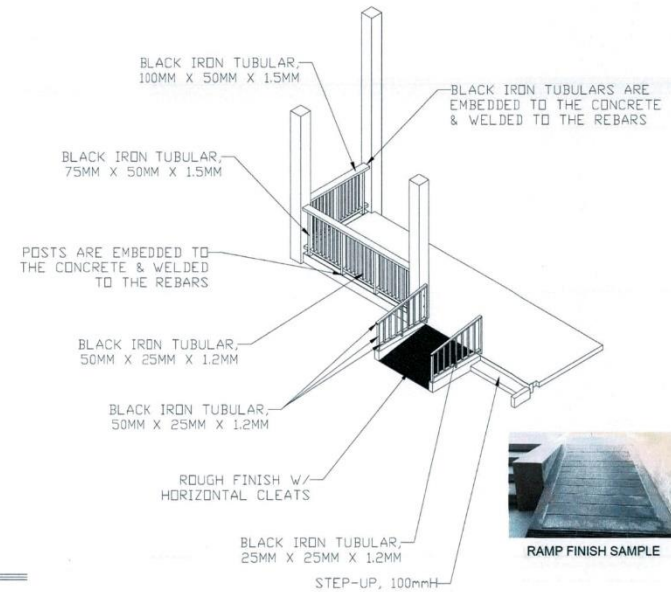
TOP VIEW OF RAMP & STEP-UP
SCALE: 1:50



RIGHT SIDE VIEW
SCALE: 1:80



FRONT VIEW
SCALE: 1:80



PERSPECTIVE VIEW
SCALE: 1:80

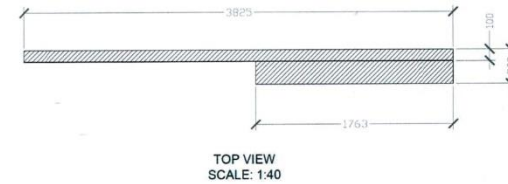
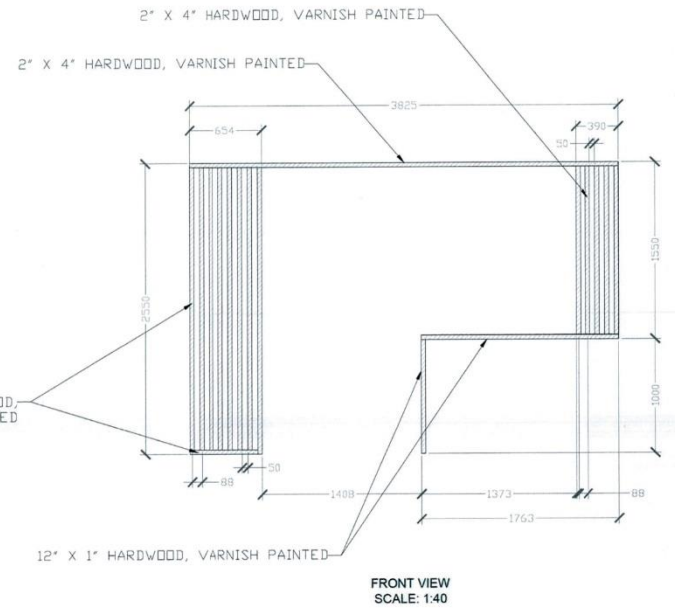
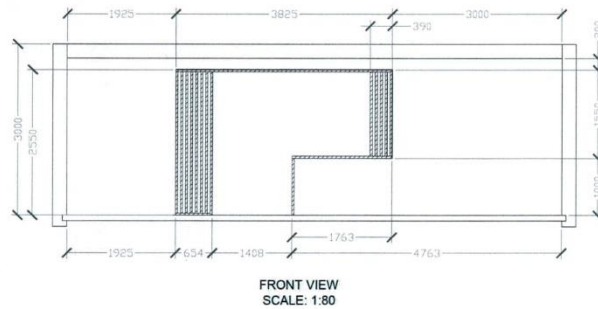
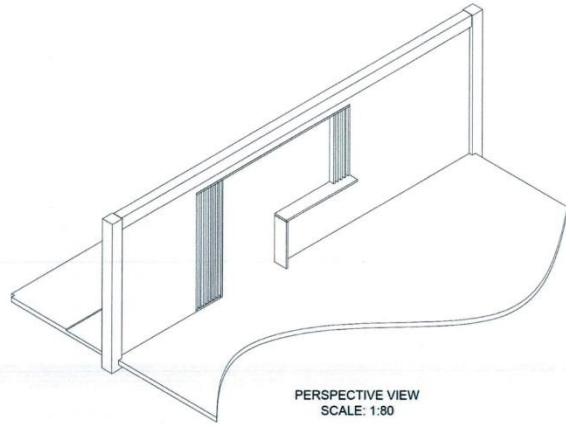
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4. Subject to actual verification.



DETAILS OF TERRACE GUARDRAILS,
RAMP HANDRAILS, & STAIR

OWNER: PHILIPPINE FIBER INDUSTRY DEVELOPMENT AUTHORITY 3/F PCAF BLDG., DEPARTMENT OF AGRICULTURE ELIPTICAL ROAD, DILIMAN, QUEZON CITY	PROJECT TITLE/LOCATION: WEAVING AND PROCESSING CENTER SITIO STA. MARGARETA, BROY, MUNTING TUBIG, IBAAN, BATANGAS	SHEET CONTENTS: AS SHOWN	DRAWN & DESIGNED BY: ENGR. OSCAR B. BARQUILLA AGRICULTURAL AND SYSTEMS ENGINEER	CHECKED BY: ENGR. PEPITO M. SORIANO, JR. ENGINEER	RECOMMENDING APPROVAL: CONCEPCION D. JOCCSON OIC, FIBER UTILIZATION AND TECHNOLOGY DIVISION	APPROVED BY: EVELYN B. MAGASAN, MM OIC, EXECUTIVE DIRECTOR	SHEET NO. A-12 12/27
		DATE: PTR: TIR: REV. NO.: REV. DATE:	PRC: 027711 PTR: TIR: VALIDITY DATE: 07/13/2025	PRC: 028554 PTR: TIR: VALIDITY DATE: 08/28/2025	OIC, FIBER UTILIZATION AND TECHNOLOGY DIVISION	OIC, EXECUTIVE DIRECTOR	SHEET NO. A-12 12/27



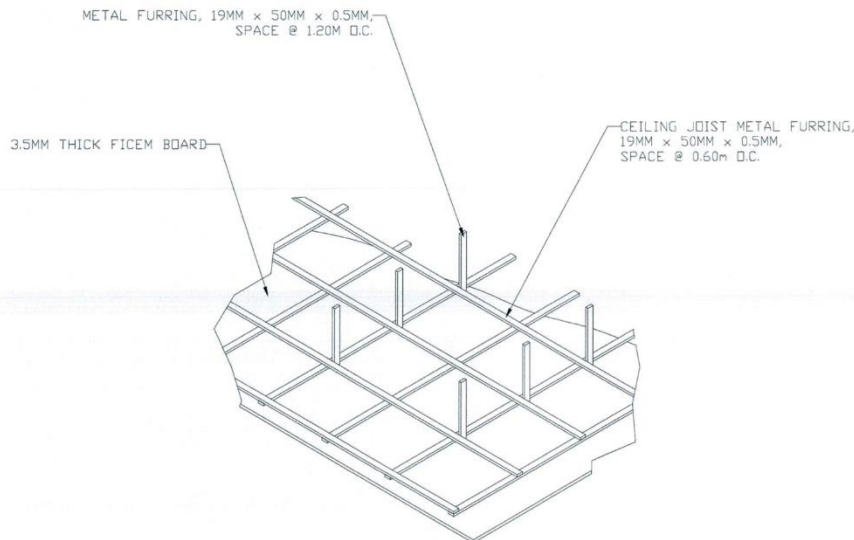
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DETAILS OF WOOD SLATS WALL DIVISION

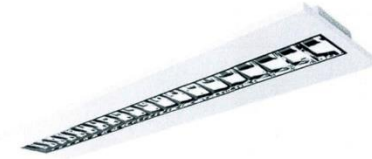
OWNER: PHILIPPINE FIBER INDUSTRY DEVELOPMENT AUTHORITY 3F PCAP BLDG. DEPARTMENT OF AGRICULTURE ELLIPTICAL ROAD, DILIMANK, QUEZON CITY	PROJECT TITLE/LOCATION: WEAVING AND PROCESSING CENTER SITIO STA. MARGARETA, BRGY. MUNTING TUBIG, IBAAN, BATANGAS	SHEET CONTENTS: AS SHOWN	DRAWN & DESIGNED BY: ENGR. COLEMAN BARQUILLA AGRICULTURAL AND FISHERIES ENGINEER PRC: 007711 PTR: TSN: VALIDITY DATE: 07/15/2025	CHECKED BY: ENGR. PEPITO M. MORFINO III ENGINEER PRC: 008884 PTR: TSN: VALIDITY DATE: 06/29/2025	RECOMMENDING APPROVAL: CONCEPCION D. JOCSON OIC, FIBER UTILIZATION AND TECHNOLOGY DIVISION	APPROVED BY: EVELYN B. CAGASAN, MM OIC/EXECUTIVE DIRECTOR	SHEET NO.: A-13 13 27
		DATE: REV. NO.: REV. DATE:					



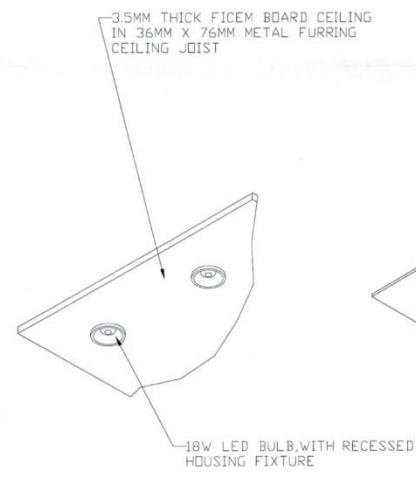
1
A-14
CEILING FRAME DETAILS
SCALE 1:40 MM



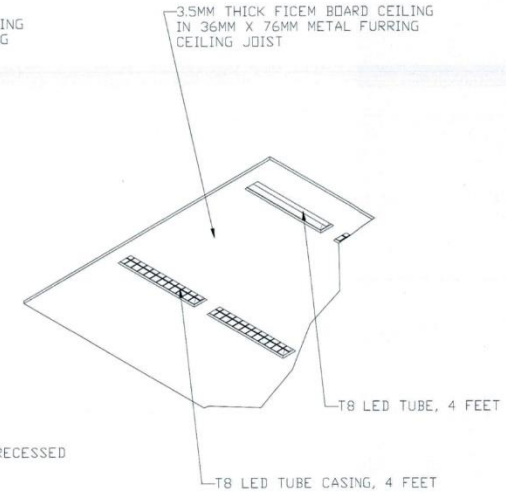
SAMPLE LED BULB W/ RECESSED HOUSING FIXTURE



SAMPLE SINGLE ROW T8 LED TUBE CASING



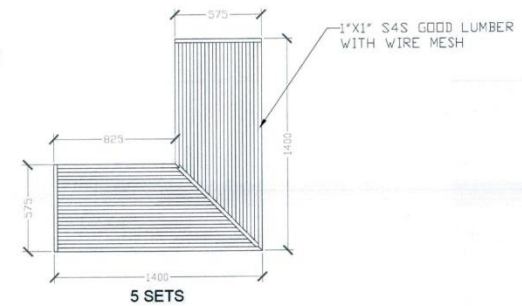
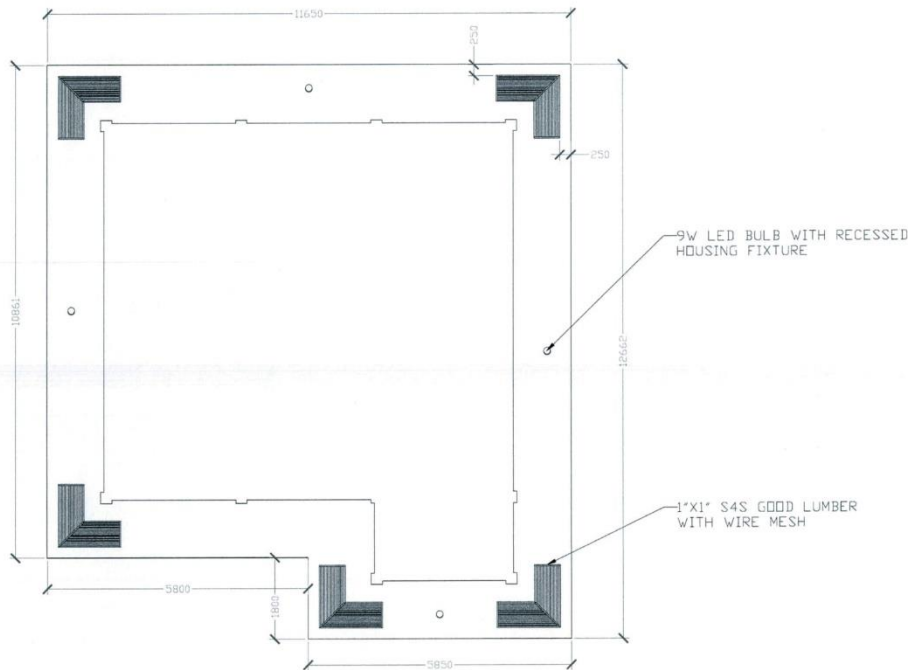
2
A-14
BULB CASING DETAILS
SCALE 1:40 MM



3
A-14
LED TUBE CASING DETAILS
SCALE 1:40 MM

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<p>PHILIPPINE FIBER INDUSTRY DEVELOPMENT AUTHORITY 38F PCAP BLDG., DEPARTMENT OF AGRICULTURE ELLIPTICAL ROAD, DILMAN, QUEZON CITY</p>	<p>PROJECT TITLE/LOCATION: WEAVING AND PROCESSING CENTER SITIO STA. MARGARETA, BRGY. MUNTING TUBIG, IBAAN, BATANGAS</p>	<p>SHEET CONTENTS:</p> <p>AS SHOWN</p>	<p>DRAWN & DESIGNED BY: ENGR. CAROLINE BARQUILLA AGRICULTURAL AND FISHERIES SYSTEMS ENGINEER</p>	<p>CHECKED BY: ENGR. PEPITO M. SOLIANO, III ENGINEER</p>	<p>RECOMMENDING APPROVAL: CONCEPCION D. JOCSON OIC, FIBER UTILIZATION AND TECHNOLOGY DIVISION</p>	<p>APPROVED BY: EVELYN B. CAJASAN, MM OIC, EXECUTIVE DIRECTOR</p>	<p>SHEET NO.: A-14 14 27</p>
		<p>DATE:</p>	<p>PRC: 00711 PTR:</p>	<p>PRC: 00864 PTR:</p>	<p>VALIDITY DATE: 07/13/2025</p>	<p>VALIDITY DATE: 09/29/2025</p>	



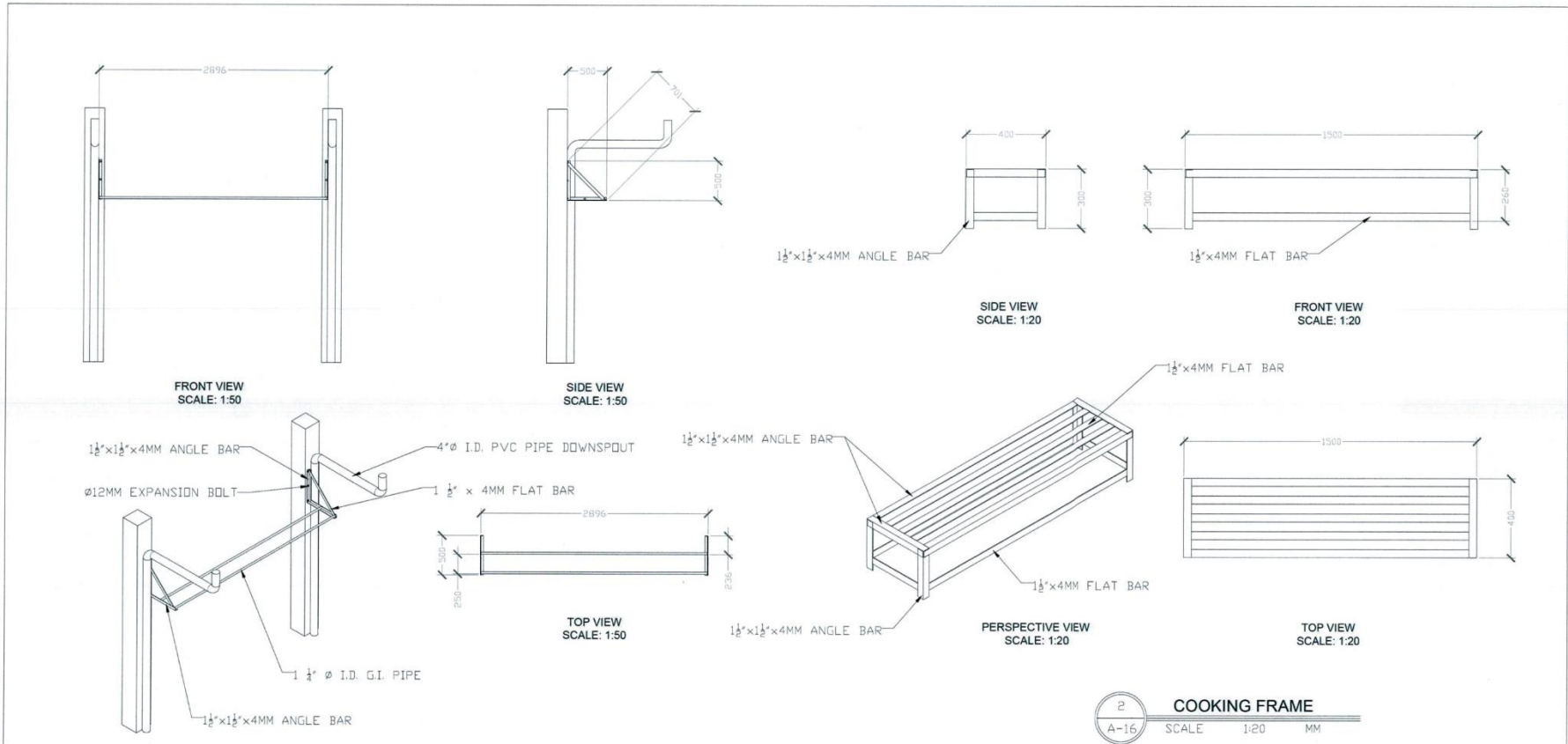
2
A-15
CEILING VENT DETAILS
SCALE 1:30 MM

1
A-15
LOCATION OF CEILING VENT & BULB CASING
SCALE 1:100 MM

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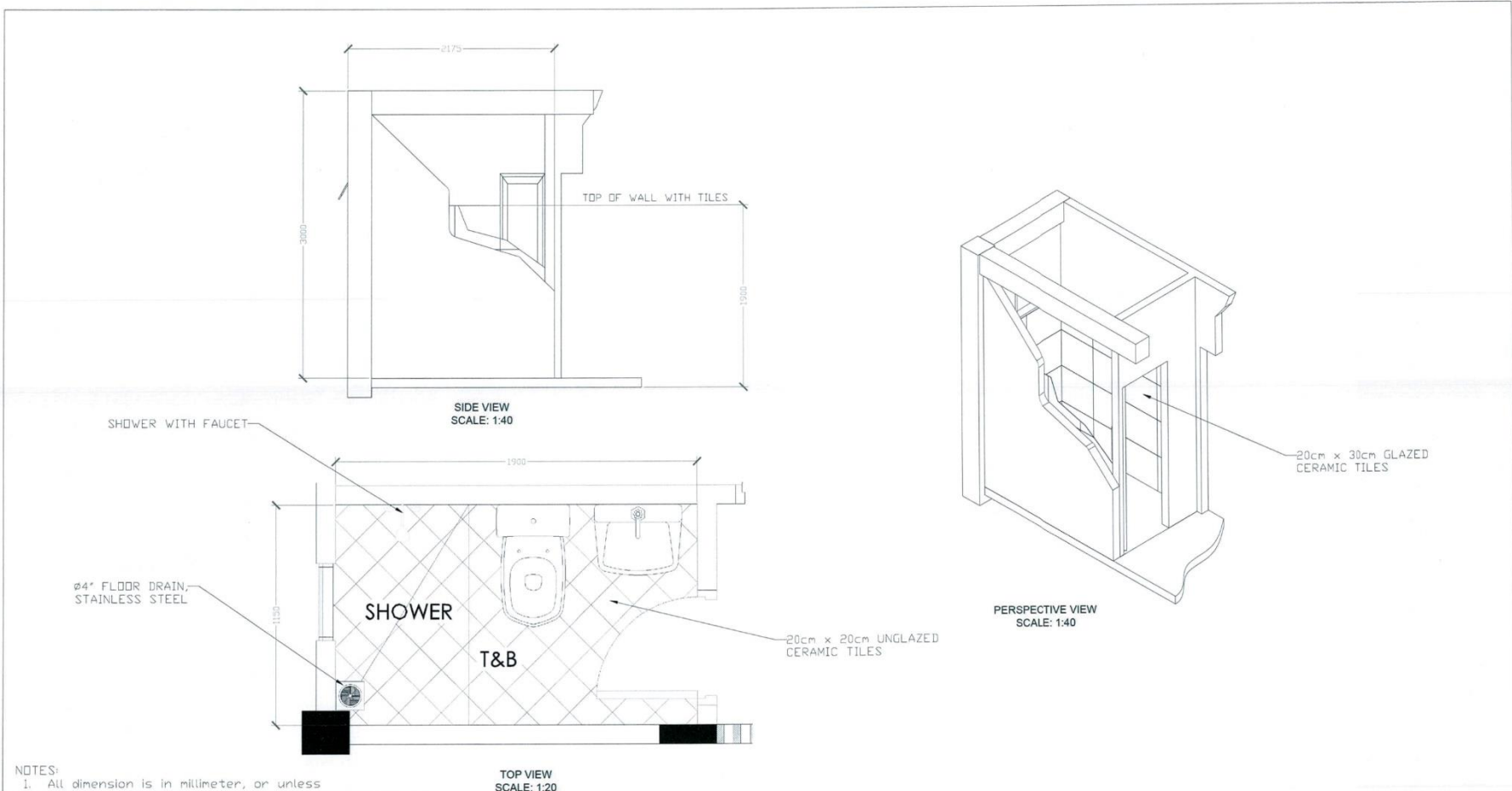
<p>PHILIPPINE FIBER INDUSTRY DEVELOPMENT AUTHORITY 3/F PCAF BLDG., DEPARTMENT OF AGRICULTURE ELIPTICAL ROAD, DILIMAN, QUEZON CITY</p>	<p>PROJECT TITLE/LOCATION: WEAVING AND PROCESSING CENTER SITIO STA. MARGARETA, BRGY. MUNTING TUBIG, IBAAN, BATANGAS</p>	<p>SHEET CONTENTS: AS SHOWN</p>	<p>DRAWN & DESIGNED BY: ENGR. CLAY BARQUILLA AGRICULTURAL AND FORESTRY SYSTEMS ENGINEER</p>	<p>CHECKED BY: ENGR. DEPTO M. DURAN III ENGINEER II</p>	<p>RECOMMENDING APPROVAL: CONCEPTION D. JOCCSON OIC, FIBER UTILIZATION AND TECHNOLOGY DIVISION</p>	<p>APPROVED BY: EVELYN B. CAGASAN, MM OIC EXECUTIVE DIRECTOR</p>	<p>SHEET NO. A-15 15/27</p>
		<p>DATE:</p>	<p>PRC: 007711</p>	<p>PRC: 005884</p>	<p>DATE:</p>	<p>PRC: 005884</p>	<p>DATE:</p>
		<p>REV. NO.:</p>	<p>REV. DATE:</p>	<p>TIN:</p>	<p>TIN:</p>	<p>TIN:</p>	
			<p>VALIDITY DATE: 07/13/2025</p>	<p>VALIDITY DATE: 09/20/2025</p>			



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<p>PHILIPPINE FIBER INDUSTRY DEVELOPMENT AUTHORITY 3/F PCAF BLDG., DEPARTMENT OF AGRICULTURE ELLIPTICAL ROAD, DILIMAN, QUEZON CITY</p>	<p>PROJECT TITLE/LOCATION: WEAVING AND PROCESSING CENTER SITIO STA. MARGARETA, BRGY. MUNTING TUBIG, IBAAN, BATANGAS</p>	<p>SHEET CONTENTS: AS SHOWN</p>	<p>DRAWN & DESIGNED BY: ENGR. CLARA B. MARQUILLA AGRICULTURAL AND FISHERIES ENGINEER</p>	<p>CHECKED BY: ENGR. PEPTO M. SORIANO ENGINEER</p>	<p>RECOMMENDING APPROVAL: CONCEPCION D. JOCSON OIC, FIBER UTILIZATION AND TECHNOLOGY DIVISION</p>	<p>APPROVED BY: EVELYN B. CAGASAN, MM OIC, EXECUTIVE DIRECTOR</p>	<p>SHEET NO.: A-16 16/27</p>
		<p>DATE:</p>	<p>PRC: 007711 PTR:</p>	<p>PRC: 008664 PTR:</p>	<p>VALIDITY DATE: 07/13/2025</p>	<p>VALIDITY DATE: 09/29/2025</p>	



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1
A-17
SCALE 1:40 MM
DETAILS OF TOILET & BATH

OWNER: PHILIPPINE FIBER INDUSTRY DEVELOPMENT AUTHORITY <small>3F PCAF BLDG., DEPARTMENT OF AGRICULTURE, ELLIPTICAL ROAD, DILMAN, QUEZON CITY</small>	PROJECT TITLE/LOCATION: WEAVING AND PROCESSING CENTER SITIO STA. MARGARETA, BRGY. MUNTING TUBIG, IBAAN, BATANGAS	SHEET CONTENTS: AS SHOWN	DRAWN & DESIGNED BY: ENGR. CLARA M. ARQUILLA <small>AGRICULTURAL ARCHITECTURE ENGINEER</small>	CHECKED BY: ENGR. PEPITO M. SORIANO III <small>REGISTERED</small>	RECOMMENDING APPROVAL: CONCEPCION D. JOCSON <small>OIC, FIBER UTILIZATION AND TECHNOLOGY DIVISION</small>	APPROVED BY: EVELYN B. CAGASAM, MM <small>OIC, EXECUTIVE DIRECTOR</small>	SHEET NO. A-17 17/27
		DATE: _____ REV. NO.: REV. DATE:	PRC: 007711 PTR: _____ LTN: _____ VALIDITY DATE: 07/13/2025	PRC: 008584 PTR: _____ TTN: _____ VALIDITY DATE: 09/29/2025			

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.

Republic of the Philippines
Department of Agriculture

PHILIPPINE FIBER INDUSTRY DEVELOPMENT AUTHORITY

3/F DA-PCAF Bldg., Department of Agriculture, Elliptical Rpad, Diliman, Quezon City

THE BIDS AND AWARDS COMMITTEE

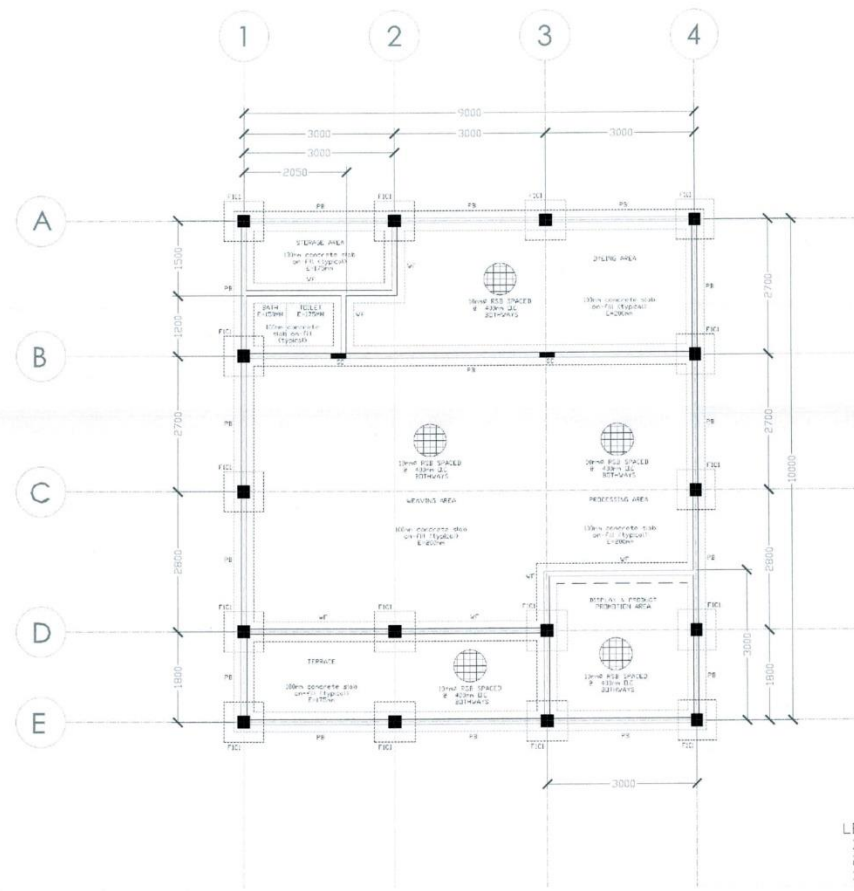
Tel. Nos. 98288756 to 65 loc. 2652; 87219813 | Email: bac@philfida.da.gov.ph



**Invitation to Bid for the Procurement of
Weaving and Processing Center in Ibaan, Batangas**

Annex A.3

DETAILED ENGINEERING DESIGN

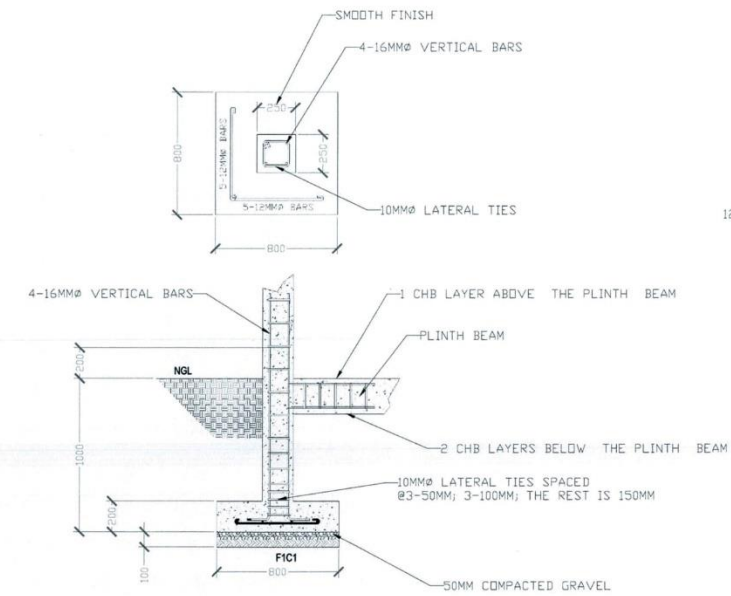


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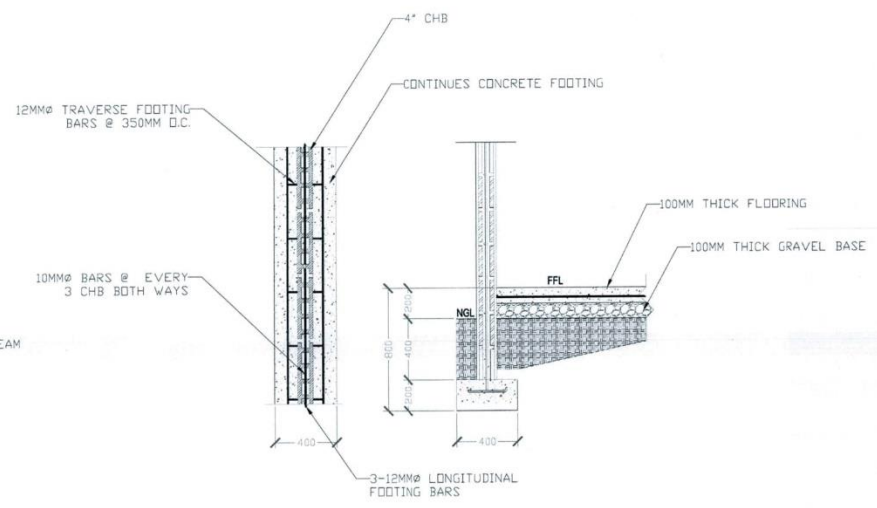
- LEGEND:
1. FIC: FOOTING 1, COLUMN 1
 2. PB: PLINTH BEAM
 3. WF: WALL FOOTING

1 FOUNDATION PLAN
S-01 SCALE 1:90 MM

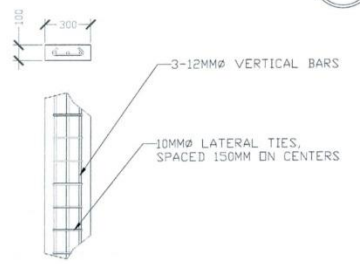
OWNER: PHILIPPINE FIBER INDUSTRY DEVELOPMENT AUTHORITY 3F PCSP BLDG., DEPARTMENT OF AGRICULTURE ELLIPTICAL ROAD, DILIMAN, QUEZON CITY	PROJECT TITLE/LOCATION: WEAVING AND PROCESSING CENTER SITIO STA. MARGARETA, BROY, MUNTING TUBIG, IBAAN, BATANGAS	SHEET CONTENTS: AS SHOWN	DRAWN & DESIGNED BY: ENGR. CLARA M. ARQUILLA AGRICULTURAL AND FISHERIES ENGINEER	CHECKED BY: ENGR. DEPITO M. SORIANO III ENGINEER II	RECOMMENDING APPROVAL: CONCEPTION B. JOCSON OIC, FIBER UTILIZATION AND TECHNOLOGY DIVISION	APPROVED BY: EVELYN B. CABASAN, MM OIC, EXECUTIVE DIRECTOR	SHEET NO. S-01 18 27
		DATE: PTR: TIT: REV. NO.: REV. DATE:	PRC: 007711 PTR: TIT: VALIDITY DATE: 07/13/2025	PRC: 00864 PTR: TIT: VALIDITY DATE: 09/29/2025			



1 COLUMN FOOTING DETAILS
 SCALE 1:30 MM



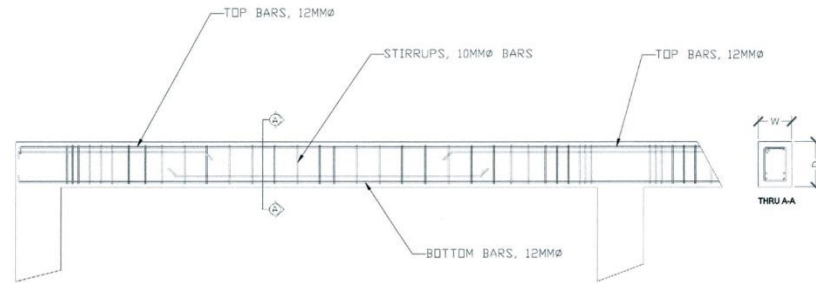
2 WALL FOOTING DETAILS
 SCALE 1:30 MM



2 STIFFENER COLUMN DETAILS
 SCALE 1:30 MM

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OWNER: PHILIPPINE FIBER INDUSTRY DEVELOPMENT AUTHORITY 3F PCAF BLDG., DEPARTMENT OF AGRICULTURE ELLIPTICAL ROAD, DILIMAN, QUEZON CITY	PROJECT TITLE/LOCATION: WEAVING AND PROCESSING CENTER SITIO STA. MARGARETA, BRGY. MUNTING TUBIG, IBAAN, BATANGAS	SHEET CONTENTS: AS SHOWN	DRAWN & DESIGNED BY: ENGR. CLARA M. AQUILLA AGRICULTURAL AND FISHERIES ENGINEER	CHECKED BY: ENGR. PEPITO M. BORJANS III ENGINEER	RECOMMENDING APPROVAL: CONCEPTION D. JOCSON DIC, FIBER UTILIZATION AND TECHNOLOGY DIVISION	APPROVED BY: EVELYN B. CAGASAN, MM PIC, EXECUTIVE DIRECTOR	SHEET NO. S-02 19/27
		DATE:	PRC: 007711 PTR:	PRC: 008684 PTR:			
REV. NO.:	REV. DATE:	VALIDITY DATE: 07/13/2025	VALIDITY DATE: 09/29/2025				



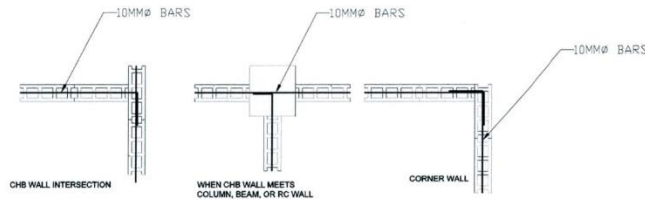
SECTION OF BEAM

SECTION	1. BEAM		PI BULK BEAM	
	AT SUPPORT	AT HESPAN	AT SUPPORT	AT HESPAN
	300 X 450	300 X 250	200 X 250	200 X 250
CONC. TOP BARS	2-12MMØ RSR	2-12MMØ RSR	2-12MMØ RSR	2-12MMØ RSR
CONC. TOP BARS	2-12MMØ RSR	2-12MMØ RSR	2-12MMØ RSR	2-12MMØ RSR
CONC. BOT BARS	2-12MMØ RSR	2-12MMØ RSR	2-12MMØ RSR	2-12MMØ RSR
CONC. BOT BARS	2-12MMØ RSR	2-12MMØ RSR	2-12MMØ RSR	2-12MMØ RSR
10MMØ REBARS STIRRUPS SPACE @ 3-025, 3-015, 3-015, REST @ 3-025 E.C.				

1
S-03

SCHEDULE OF BEAMS

SCALE 1:40 MM



1
S-03

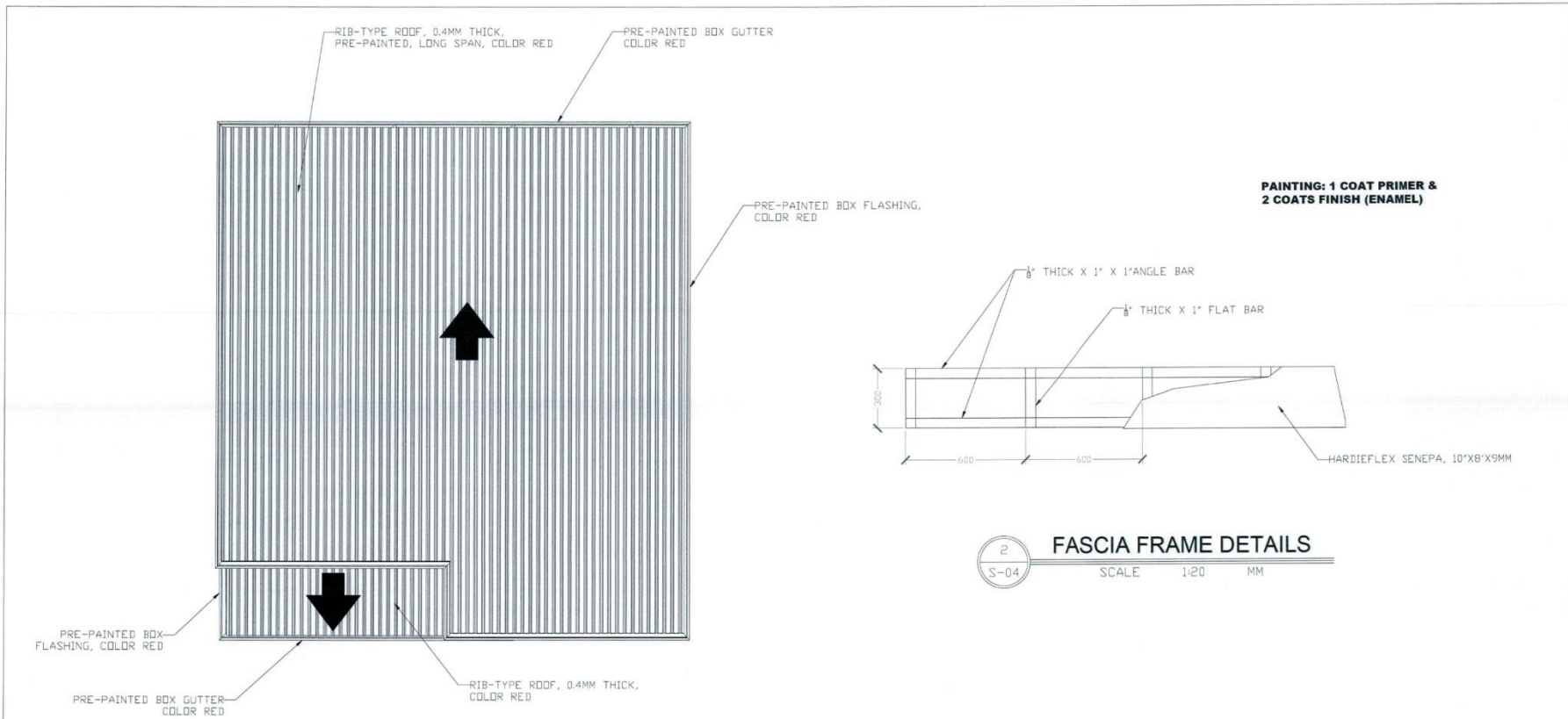
CHB CONNECTION DETAILS

SCALE 1:40 MM

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		DATE: PTR: 007711	PRC: 08664 PTR:	REV. NO.: REV. DATE:	VALIDITY DATE: 07/15/2025	VALIDITY DATE: 09/29/2025	



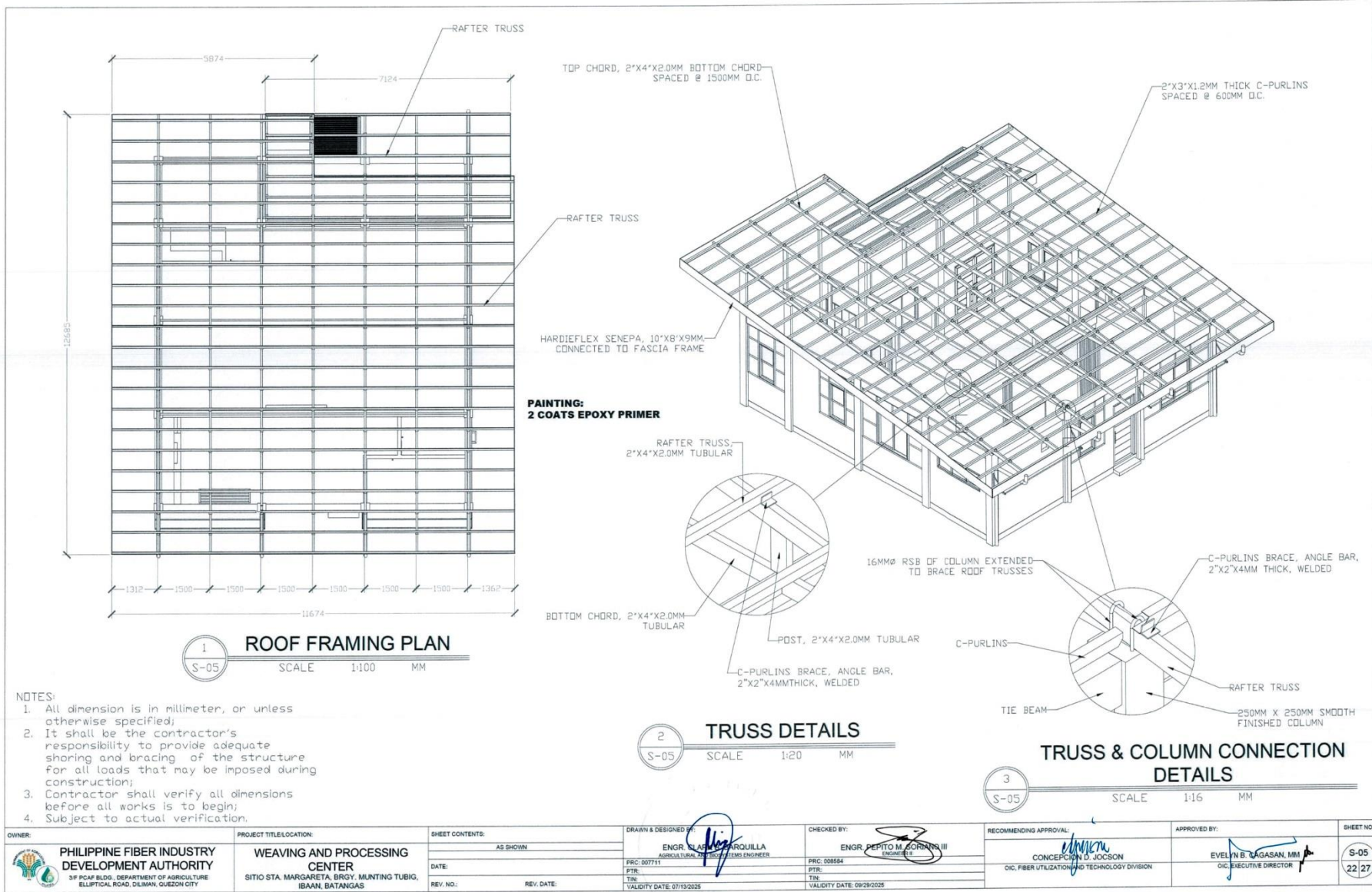
PAINTING: 1 COAT PRIMER & 2 COATS FINISH (ENAMEL)

2 FASCIA FRAME DETAILS
SCALE 1:20 MM

1 ROOF PLAN
SCALE 1:100 MM

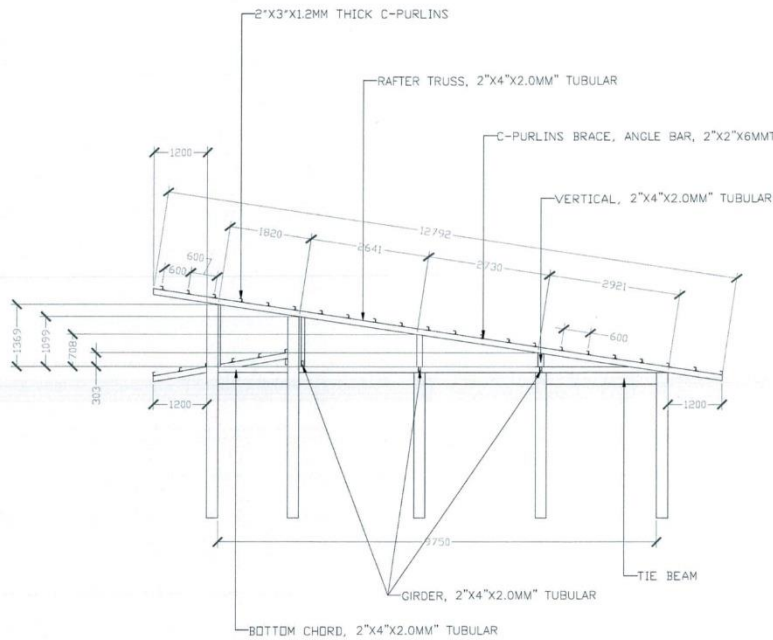
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		DATE: PRC: 507711 FTR: TIN: VALIDITY DATE: 07/15/2025	DATE: PRC: 00884 FTR: TIN: VALIDITY DATE: 06/26/2025				

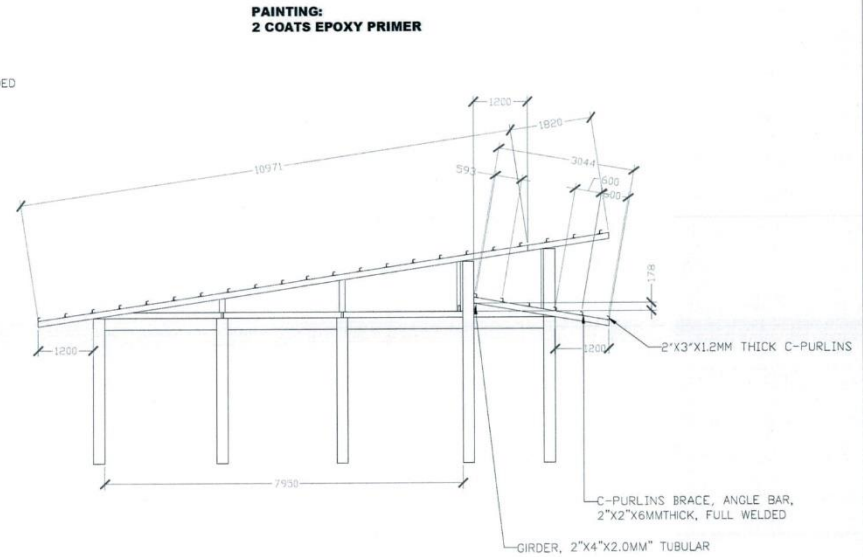


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 3. Contractor shall verify all dimensions before all works is to begin;
 4. Subject to actual verification.

OWNER: PHILIPPINE FIBER INDUSTRY DEVELOPMENT AUTHORITY <small>3/F PCAF BLDG., DEPARTMENT OF AGRICULTURE ELLIPTICAL ROAD, DELIMAN, QUEZON CITY</small>	PROJECT TITLE/LOCATION: WEAVING AND PROCESSING CENTER <small>SITIO STA. MARGARETA, BRGY. MUNTING TUBIG, IBAAN, BATANGAS</small>	SHEET CONTENTS: AS SHOWN	DRAWN & DESIGNED BY: ENGR. ALAN M. ARQUILLA <small>AGRICULTURAL ARCHITECTURE ENGINEER</small>	CHECKED BY: ENGR. PEPITO M. SORIANO III <small>ENGINEER</small>	RECOMMENDING APPROVAL: CONCEPCION D. JOCSON <small>OIC, FIBER UTILIZATION AND TECHNOLOGY DIVISION</small>	APPROVED BY: EVELYN B. LAGASAN, MM <small>OIC, EXECUTIVE DIRECTOR</small>	SHEET NO. S-05 22 27
		DATE: REV. NO.:	PRC: 007711 PTR: TIN: VALIDITY DATE: 07/15/2025	PRC: 008884 PTR: TIN: VALIDITY DATE: 08/28/2025	DATE: REV. DATE:	DATE: REV. DATE:	DATE: REV. DATE:



1
S-06
RAFTER DETAILS
SCALE 1:100 MM

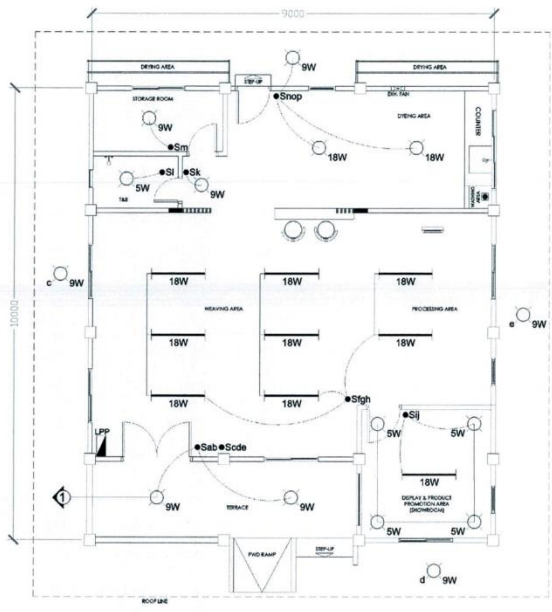


2
S-06
TERRACE RAFTER DETAILS
SCALE 1:100 MM

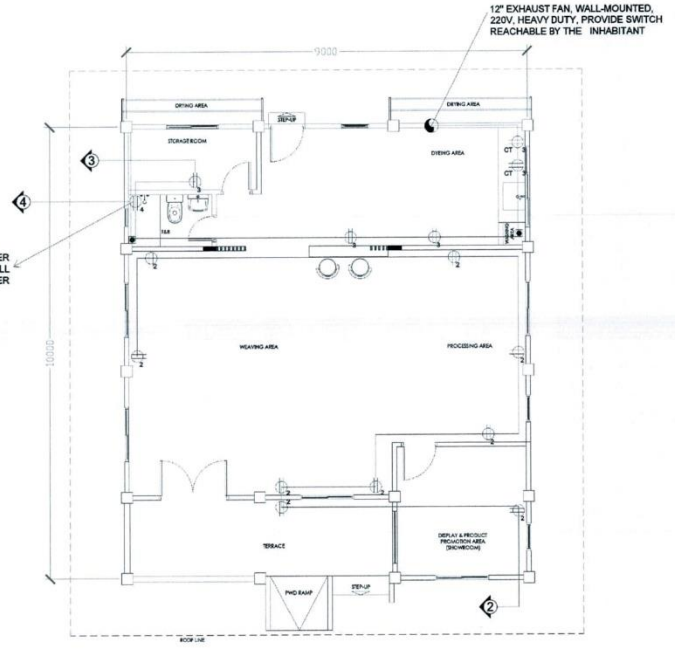
NOTES:

1. All dimension is in millimeter, 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. Contractor shall verify all dimensions before all works is to begin;
4. Subject to actual verification.

<p>PHILIPPINE FIBER INDUSTRY DEVELOPMENT AUTHORITY 3/F PCFAP BLDG. DEPARTMENT OF AGRICULTURE ELLIPTICAL ROAD, DELMUNAN, QUEZON CITY</p>	<p>PROJECT TITLE/LOCATION: WEAVING AND PROCESSING CENTER SITIO STA. MARGARETA, BRGY. MUNTING TUBIG, IBANAN, BATANGAS</p>	<p>SHEET CONTENTS:</p> <p>AS SHOWN</p>	<p>DRAWN & DESIGNED BY:</p> <p>ENGR. ELAN MARQUILLA AGRICULTURAL ENGINEER</p>	<p>CHECKED BY:</p> <p>ENGR. PEPTO M. SORIANO III ENGINEER</p>	<p>RECOMMENDING APPROVAL:</p> <p>CONCEPTION D. JOCOSON D/C, FIBER UTILIZATION AND TECHNOLOGY DIVISION</p>	<p>APPROVED BY:</p> <p>EVELYN B. CAGASAN, MM. D/C, EXECUTIVE DIRECTOR</p>	<p>SHEET NO.</p> <p>S-06 23 27</p>
		<p>DATE:</p> <p>PRC: 507711 PTR:</p>	<p>PRC: 505884</p> <p>PTR:</p>	<p>VALIDITY DATE: 07/13/2025</p>	<p>VALIDITY DATE: 09/26/2025</p>		



1 LIGHTING LAYOUT PLAN
 SCALE 1:100 MM

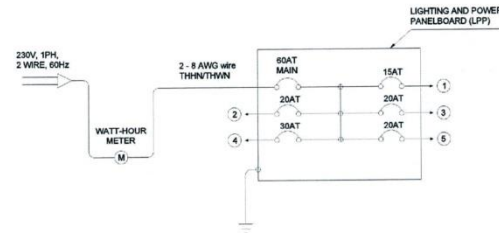


2 POWER LAYOUT PLAN
 SCALE 1:100 MM

OWNER: PHILIPPINE FIBER INDUSTRY DEVELOPMENT AUTHORITY <small>3/F PCAF BLDG., DEPARTMENT OF AGRICULTURE, ELLIPTICAL ROAD, DILIMAN, QUEZON CITY</small>	PROJECT TITLE/LOCATION: WEAVING AND PROCESSING CENTER <small>SITIO STA. MARGARETA, BROY. MUNTING TUBIG, IBAAN, BATANGAS</small>	SHEET CONTENTS: AS SHOWN	DRAWN & DESIGNED BY: ENGR. GLADYS BARQUILLA <small>AGRICULTURAL AND BIOTECHNOLOGY ENGINEER</small>	CHECKED BY: ENGR. PEPITO M. SERRANO III <small>ENGINEER</small>	RECOMMENDING APPROVAL: CONCEPCION D. JOCSON <small>OIC, FIBER UTILIZATION AND TECHNOLOGY DIVISION</small>	APPROVED BY: EVELYN C. AGASAN, MM <small>OIC, EXECUTIVE DIRECTOR</small>	SHEET NO.: E-01 24/27
		DATE: PTR: 007711 TPN:	VALIDITY DATE: 07/13/2025	DATE: PTR: 00864 TPN:	VALIDITY DATE: 09/29/2025		

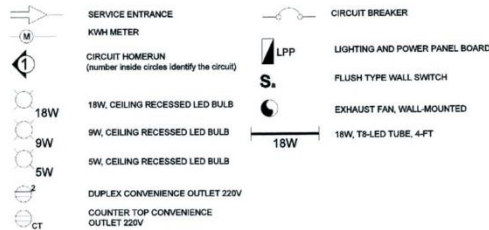
ELECTRICAL SPECIFICATIONS

1. TYPE OF SERVICE SHALL BE 230-V, SINGLE-PHASE, 2-WIRE, 60-Hz.
2. WIRING METHOD SHALL BE IN RIGID FLEXIBLE HOSE ON WALLS, SLABS, CEILINGS OR PARTITIONS. ALL MATERIALS TO BE INSTALLED SHALL BE BRAND NEW AND APPROVED TYPE FOR LOCATION AND PURPOSE.
3. MOUNTING HEIGHTS SHALL BE:
 LIGHT CONTROL SWITCHES-1.30m ABOVE FINISHED FLOOR LINE
 CONVENIENCE OUTLET - 0.30m ABOVE FINISHED FLOOR LINE
 PANEL BOARD-1.8m FROM TOP OF PANEL TO FINISHED FLOOR LINE
 OTHER OUTLETS-AS SPECIFIED IN THE PLAN
4. WHENEVER REQUIRED AND NECESSARY, PULL BOXES AND JUNCTION BOXES OF APPROPRIATE SIZES SHALL BE INSTALLED AT CONVENIENT LOCATIONS ALTHOUGH SUCH BOXES ARE NOT SHOWN ON THE PLANS.
5. FOR EACH SPARE BRANCH CIRCUITS IN PANEL BOARDS, PROVIDE ONE 20mm DIA. FLEXIBLE HOSE TERMINATED TO A 100mm OCTAGONAL BOX ABOVE. PROVIDE GALVANIZED PULL WIRES IN ALL EMPTY CONDUITS.
6. ALL WORKS HEREIN SHALL BE DONE UNDER THE DIRECT SUPERVISION OF A DULY LICENSED ELECTRICAL ENGINEER (PEE/REE) OR A REGISTERED MASTER ELECTRICIAN (RME).



SINGLE LINE DIAGRAM

LEGEND & SYMBOLS :



LOAD SCHEDULE

(220 - 230 V, 60Hz, Single Phase) LIGHTING AND POWER PANEL "LPP"

CRT NO.	LOAD DESCRIPTION	LTS	C.O.	OTHER LOADS	WATTS	AMP LOAD PER CIRCUIT	PROTECTION PER CKT.	SIZE OF HOMERUN WIRE	CONDUIT
1	5W LED BULBS	5			25.0	1.34	15AT	2-3.5MM ²	½" FLEX. HOSE
	9W LED BULBS	8			72.0				
	18W LED BULBS	2			36.0				
	18W LED TUBE, 4 FEET	9			162.0				
2	CONVENIENCE OUTLET DUPLEX	9		3,240.0	14.73	20AT	2-3.5MM ²	½" FLEX. HOSE	
3	CONVENIENCE OUTLET DUPLEX	6		2,160.0	9.82	20AT	2-3.5MM ²	½" FLEX. HOSE	
4	SPECIAL PURPOSE OUTLET	1		1,500.0	6.82	30AT	2-5.2MM ²	½" FLEX. HOSE	
5	SPARE	1		1,500.0	6.82	20AT	2-3.5MM ²	½" FLEX. HOSE	
TOTAL LOAD IN THE BUILDING						39.53	AMPERES		

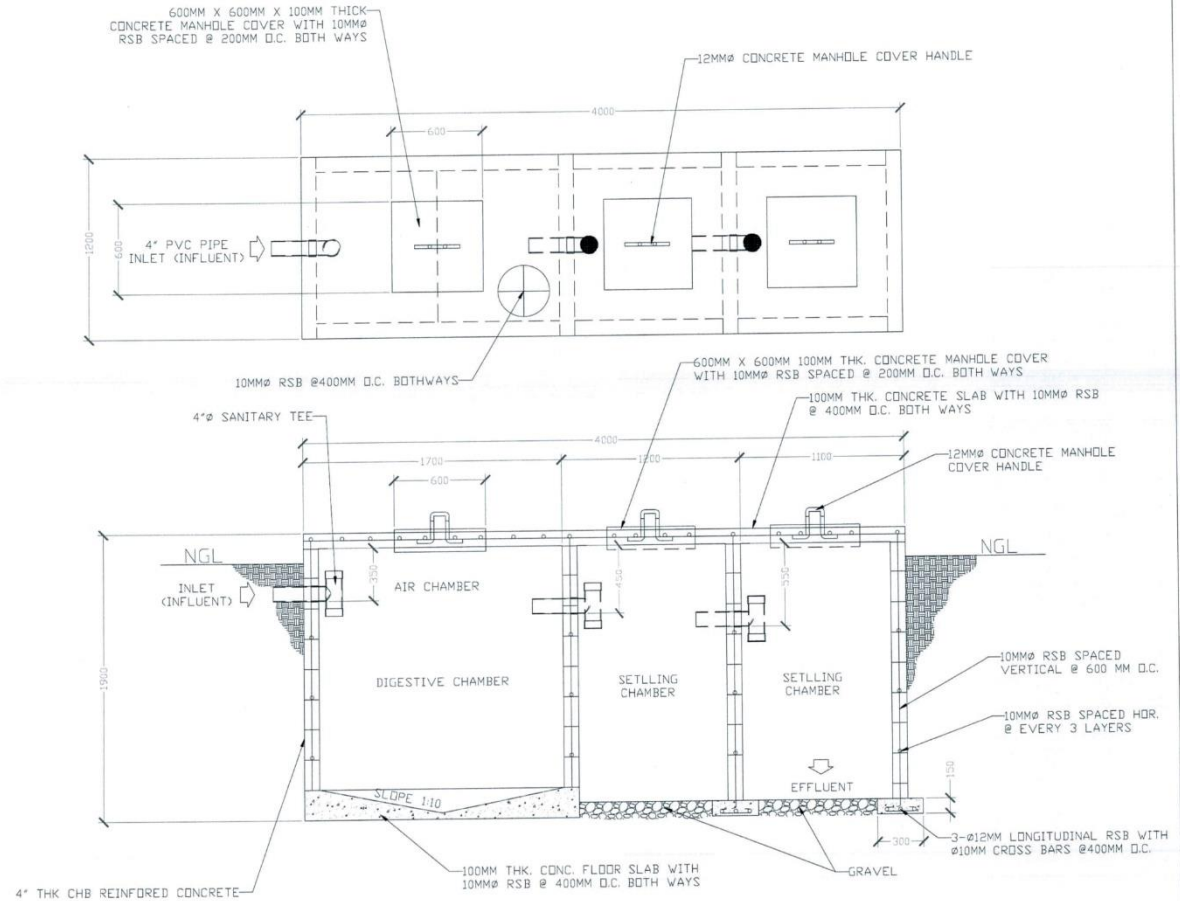
D.F. (DEMAND FACTOR) = 80%
 1 (TOTAL) = (39.53 X 0.8) + (8 X 0.25) = 33.62 AMPERES
 USE : 60AT 2P 240V CB (CIRCUIT BREAKER)

SCHEDULE OF LOADS
 SCALE 1:80 MM

<p>PHILIPPINE FIBER INDUSTRY DEVELOPMENT AUTHORITY 3F PCAF BLDG., DEPARTMENT OF AGRICULTURE ELLIPTICAL ROAD, DILMAN, QUEZON CITY</p>	<p>PROJECT TITLE/LOCATION: WEAVING AND PROCESSING CENTER SITIO STA. MARGARETA, BRGY. MUNTING TUBIG, IBAAN, BATANGAS</p>	SHEET CONTENTS:	DRAWN & DESIGNED BY:	CHECKED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET NO.
		AS SHOWN	ENGR. CLARA MARQUILLA AGRICULTURAL ELECTRICAL ENGINEER	ENGR. DEPTO M. SORIANO III ENGINEER	CONCEPCION D. JOCCSON CHIEF, FIBER UTILIZATION AND TECHNOLOGY DIVISION	EVELYN B. CAGASAN, MM CHIEF, EXECUTIVE DIRECTOR	E-02 25/27
		DATE:	PRC: 007711 PTR:	PRC: 008884 PTR:			
		REV. NO.:	REV. DATE:	TIN: VALIDITY DATE: 07/13/2025	TIN: VALIDITY DATE: 09/29/2025		

SPECIFICATION

- ALL PLUMBING WORKS INCLUDED HEREIN SHALL BE EXECUTED ACCORDING TO THE REQUIREMENTS, RULE AND REGULATIONS OF THE PHILIPPINE PLUMBING CODE;
- SOIL AND WASTE PIPES LINES SHALL BE PROPERLY ALIGNED AT A UNIFORM GRADE OF NOT LESS THAN 2% AND ANCHORED AT INTERVAL OF 1.50 m. NOT TO EXCEED 2.00m;
- PIPES SHALL BE INSTALLED AS INDICATED, ANY RELOCATION REQUIRED FOR PROPER EXECUTION OF OTHER TRADES SHALL BE WITH PRIOR APPROVAL OF THE ARCHITECT;
- ALL SEWER, SOIL AND WASTE PIPES LINES SHALL BE PVC PIPE, WATER LINES SHALL BE G.I. PIPES SCHEDULE 40.
- ALL VENT THRU ROOF PIPES SHALL HAVE A MINIMUM CLEAR ROOFING CLEARANCE ELEVATION AT LEAST 300 mm.
- ALL PLUMBING WORKS SHALL BE DONE UNDER THE DIRECT SUPERVISION OF THE MASTER PLUMBER OR SANITARY ENGINEER;
- SEPTIC VAULT SHOULD BE LOCATED AT A SAFETY DISTANCE FROM A WATER SOURCE (POTABLE WATER) Eg. DEEP WELL TO PREVENT CONTAMINATION AND PREFERABLY NOT LESS THAN 25.00 M. AS PER SECTION 13 (B) P.D. 856.
- SEPTIC TANK SHALL BE CONSTRUCTED WATERTIGHT OR WATERPROOFED TO ELIMINATE SEEPAGE;
- OUTFLOW FROM THE SEPTIC TANK SHALL BE DISCHARGED DIRECTLY TO THE STREET DRAINAGE, DRAIN PIPES AND CATCH BASIN DISCHARGING OUTFLOW FROM THE SEPTIC TANK SHOULD ALSO BE CONSTRUCTED WATERTIGHT OR WATERPROOFED TO PREVENT LEAKAGE TO PERCOLATE TO THE GROUND;
- AS STATED ON P.D. 1096, OTHERWISE KNOWN AS THE BUILDING CODE OF THE PHILIPPINES, SECTION 802, WATER SUPPLY SYSTEM (a) WHENEVER AVAILABLE THE POTABLE WATER REQUIREMENTS FOR A BUILDING USED FOR HUMAN HABITATION SHALL BE SUPPLIED BY EXISTING MUNICIPAL OR CITY WATERWORKS SYSTEM.
- MATERIALS AND EQUIPMENTS NECESSARY FOR WORKS TO BE DONE UNDER A PERMIT WHEN PLACED OR STORED ON PUBLIC PROPERTY SHALL NOT OBSTRUCT-FREE AND CONVENIENT APPROACH TO AND USED OF CATCH BASINS AND MANHOLE AND SHALL NOT INTERFERE WITH ANY STREET OR ALLEY GUTTER.



OWNER:  PHILIPPINE FIBER INDUSTRY DEVELOPMENT AUTHORITY 3/F PCAF BLDG., DEPARTMENT OF AGRICULTURE ELLIPTICAL ROAD, DILIMAN, QUEZON CITY	PROJECT TITLE/LOCATION: WEAVING AND PROCESSING CENTER SITIO STA. MARGARETA, BRGY. MUNTING TUBIG, IBAAN, BATANGAS	SHEET CONTENTS: AS SHOWN	DRAWN & DESIGNED BY:  ENGR. CLAYTON BARQUILLA ARCHITECT/MECHANICAL SYSTEMS ENGINEER	CHECKED BY:  ENGR. FERDINAND SORIANO III ENGINEER	RECOMMENDING APPROVAL:  CONCEPTION D. JOCSON OIC, FIBER UTILIZATION AND TECHNOLOGY DIVISION	APPROVED BY:  EVELYN B. SAJASAN, MM OIC, EXECUTIVE DIRECTOR	SHEET NO.: P-02 27/27
		DATE: PRC: 097711 PTR: TKN:	REV. NO.: REV. DATE:	VALIDITY DATE: 07/13/2025	VALIDITY DATE: 09/29/2025		

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.