

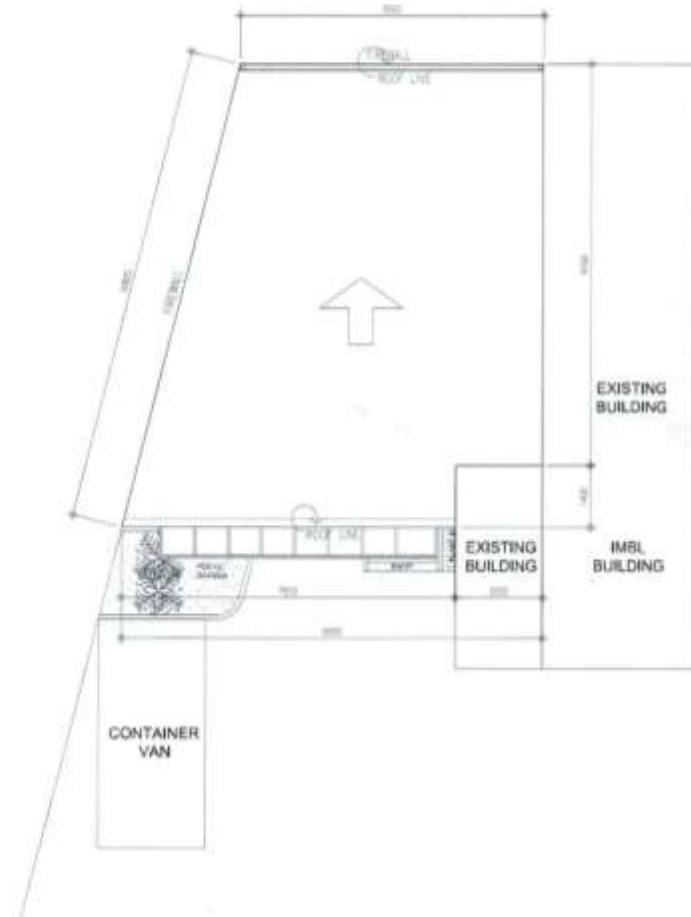
## ***Section VII. Drawings***









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

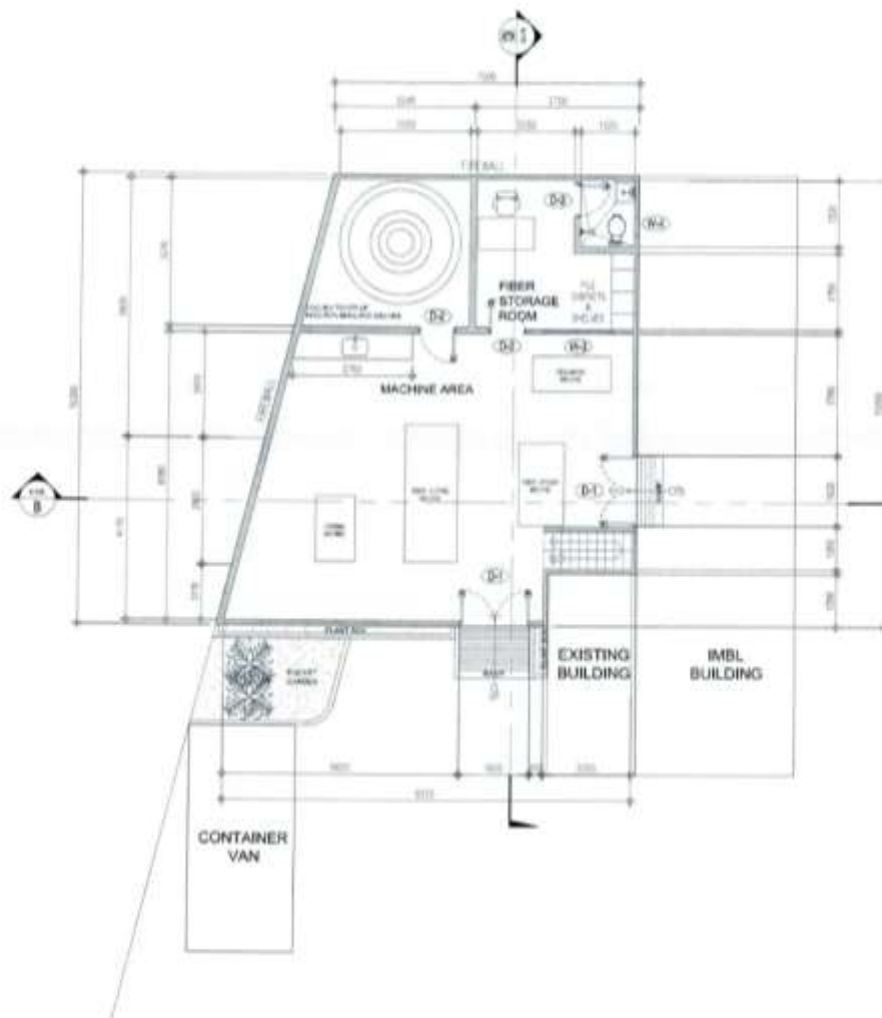


**2 VICINITY MAP**  
A-1 NOT DRAWN TO SCALE



**3 SITE DEVELOPMENT PLAN**  
A-1 SCALE 1:100m

<b>OWNER</b>  <b>PHILIPPINE FIBER INDUSTRY DEVELOPMENT AUTHORITY</b> PPUL B&I COMPOUND VISAYAS AVENUE, MARIKINA CITY	<b>PROJECT TITLE/LOCATION</b> FIBER INNOVATION AND PROCESSING MACHINE WORKSHOP PPUL B&I COMPOUND VISAYAS AVENUE, MARIKINA CITY	<b>BR&amp;I CONTENTS</b> NO. SHEET: _____ DATE: 09/09/2023 REV. NO.: _____ REV. DATE: _____	<b>DRAWN BY</b>  <b>ENGR. JUSTINE JOSEPH J. NUEVA</b> PROJECT ENGINEER NO. SHEET: _____ DATE: _____ TITLE: PROJECT SITE DEVELOPER	<b>DESIGNED BY</b>  <b>ENGR. DEPITO N. SORIANO</b> PROJECT ENGINEER AND ARCHITECT NO. SHEET: _____ DATE: _____ TITLE: PROJECT SITE DEVELOPER	<b>CHECKED BY</b>  <b>ENGR. RAMON B. SALAS</b> PROJECT ENGINEER NO. SHEET: _____ DATE: _____ TITLE: PROJECT SITE DEVELOPER	<b>RECOMMENDED BY</b>  <b>ENGR. RAMON B. BARCELONA, MPA</b> DEPUTY EXECUTIVE DIRECTOR NO. SHEET: _____ DATE: _____ TITLE: PROJECT SITE DEVELOPER	<b>APPROVED BY</b>  <b>ARNOLDO Y. LATIENZA</b> EXECUTIVE DIRECTOR NO. SHEET: _____ DATE: _____ TITLE: PROJECT SITE DEVELOPER	<b>SHEET NO.</b> A-1 1/11
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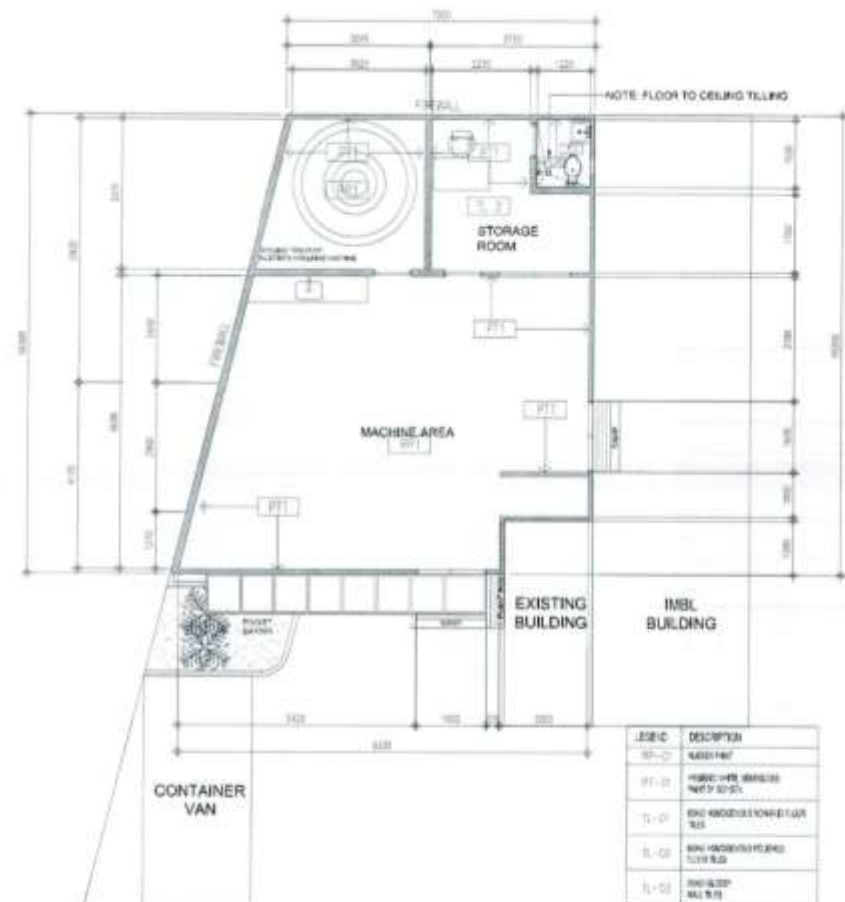
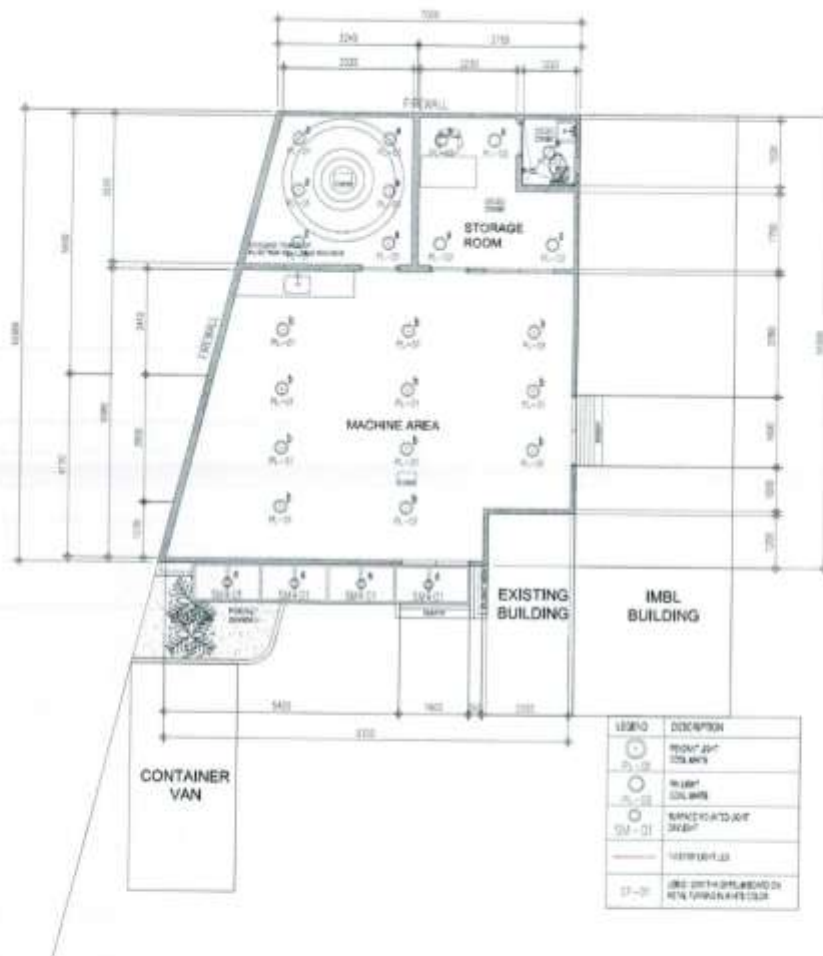


**1 FLOOR PLAN**  
A-2 SCALE: 1:100 m

**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.

 <b>PHILIPPINE FIBER INDUSTRY DEVELOPMENT AUTHORITY</b> FIDA, Bldg. Compound, General A. Velez, Valenzuela City	<b>PROJECT IDENTIFICATION</b> FIBER INNOVATION AND PROCESSING MACHINE WORKSHOP FIDA, Bldg. Compound, General A. Velez, Valenzuela City	<b>REVISIONS</b> NO. 1 DATE: 08/08/2024 REV. NO.: REV. DATE:	<b>DRAWN BY:</b> ENGR. JUSTINE JOSEPH J. NUYVA PROJECT ENGINEER FIDA PROJECT DATE: 08/08/2024	<b>DESIGNED BY:</b> ENGR. BERTO M. SORIANO II PROJECT ENGINEER FIDA PROJECT DATE: 08/08/2024	<b>CHECKED BY:</b> ENGR. EMMA Z. PALASIS PROJECT ENGINEER FIDA	<b>RECOMMENDED PERSONNEL:</b> ENGR. RAMON B. BARCELONA, MPA DEPUTY EXECUTIVE DIRECTOR	<b>APPROVED BY:</b> ARNOLD B. LATENZA EXECUTIVE DIRECTOR	<b>SHEET NO.</b> A-2 2 / 11
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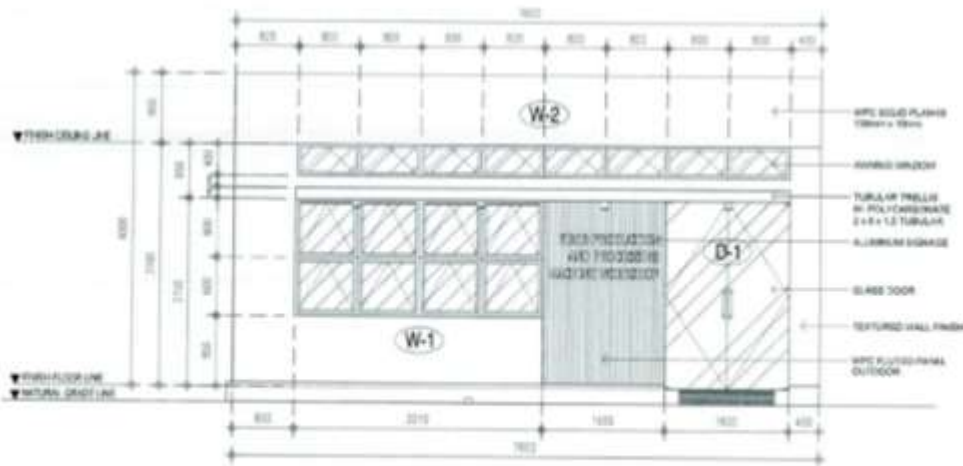
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4. Subject to actual verification,

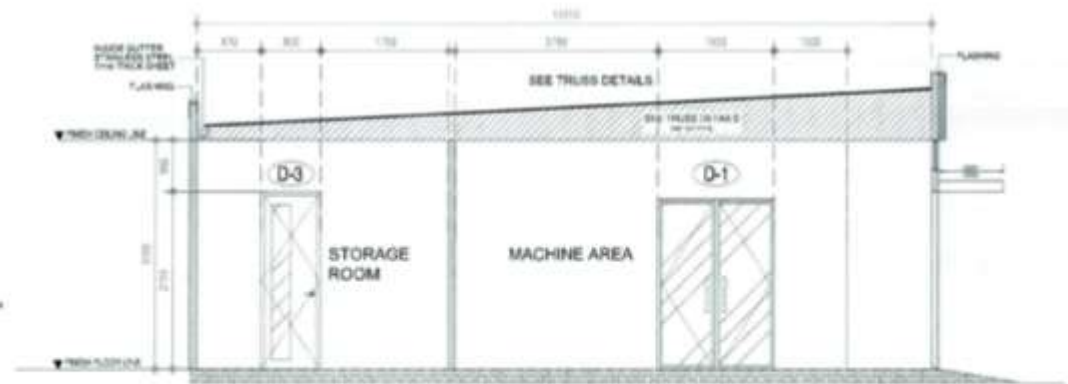
**1 REFLECTED CEILING PLAN**  
A-3 SCALE: 1:100 m

**2 FINISHES PLAN**  
A-3 SCALE: 1:100 m

<b>OWNER</b>  <b>PHILIPPINE FIBER INDUSTRY DEVELOPMENT AUTHORITY</b> PPA, 8th, COMPOUND VIRAYAS AVENUE, VIRAYAS, QUEZON CITY	<b>PROJECT TITLE/LOCATION</b> FIBER INNOVATION AND PROCESSING MACHINE WORKSHOP PPA, 8th, COMPOUND VIRAYAS AVENUE, VIRAYAS, QUEZON CITY	<b>SHEET CONTENTS</b> RCP DATE: 2024-08-20 REV. NO.: REV. DATE:	<b>DRAWN BY</b>  <b>ENGR. JUSTINE JOSEPH J. NUEVA</b> ARCHITECT PRC NO.: PRC DATE:	<b>DESIGNED BY</b>  <b>ENGR. PERITO M. SORIANO</b> ARCHITECT PRC NO.: PRC DATE:	<b>CHECKED BY</b>  <b>ENGR. EMYR SALAS</b> PRT HEAD	<b>RECOMMENDING APPROVAL</b>  <b>ENGR. RAMEL B. BARCELONA, MPA</b> CH. DEPUTY EXECUTIVE DIRECTOR	<b>CONTRAPROOF BY</b>  <b>ARNOLDO M. ATIENZA</b> EXECUTIVE DIRECTOR	<b>SHEET NO.</b> A-3 3 of 11
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**1 FRONT ELEVATION**  
A-4 SCALE: 1:100 m



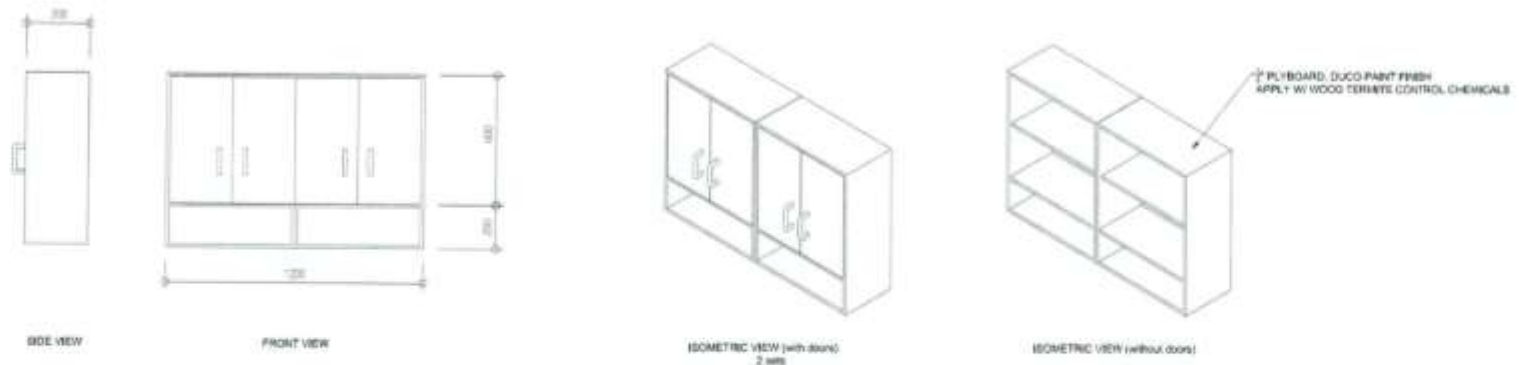
**2 SECTION C**  
A-4 SCALE: 1:100 m

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4. Subject to actual verification.

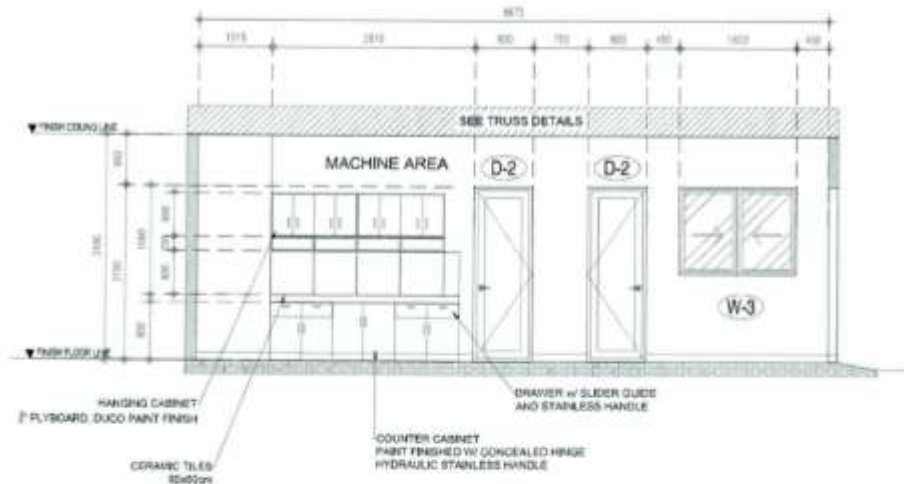
 <p><b>PHILIPPINE FIBER INDUSTRY DEVELOPMENT AUTHORITY</b> PFL, Bldg. Compound 100000 Avenue, Manila, Cebu City</p>	<p><b>PROJECT TITLE/LOCATION:</b> FIBER INNOVATION AND PROCESSING MACHINE WORKSHOP PFL, Bldg. Compound 100000 Avenue, Manila, Cebu City</p>	<p><b>CLIENT COMMENTS:</b> AS SHOWN DATE: 08/08/2023 REV. NO.: REV. DATE:</p>	<p><b>DRAWN BY:</b> ENGR. JOSEPH A. NUNEZ PFL, Bldg. Compound 100000 Avenue, Manila, Cebu City</p>	<p><b>APPROVED BY:</b> ENGR. PEPITO C. NUNEZ PFL, Bldg. Compound 100000 Avenue, Manila, Cebu City</p>	<p><b>ENGINEER BY:</b> ENGR. EMANUEL M. NUNEZ PFL, Bldg. Compound 100000 Avenue, Manila, Cebu City</p>	<p><b>NO. OF DRAWINGS:</b> ENGR. RANIL B. BARCELONA, WPA PFL, Bldg. Compound 100000 Avenue, Manila, Cebu City</p>	<p><b>APPROVED BY:</b> ARNOLD P. ATIENZA PFL, Bldg. Compound 100000 Avenue, Manila, Cebu City</p>	<p><b>PROJECT NO.:</b> A-4 4/11</p>
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## 1 HANGING CABINET DETAILS

SCALE: 1:100 m



## 2 SECTION B

SCALE: 1:100 m

### NOTES:

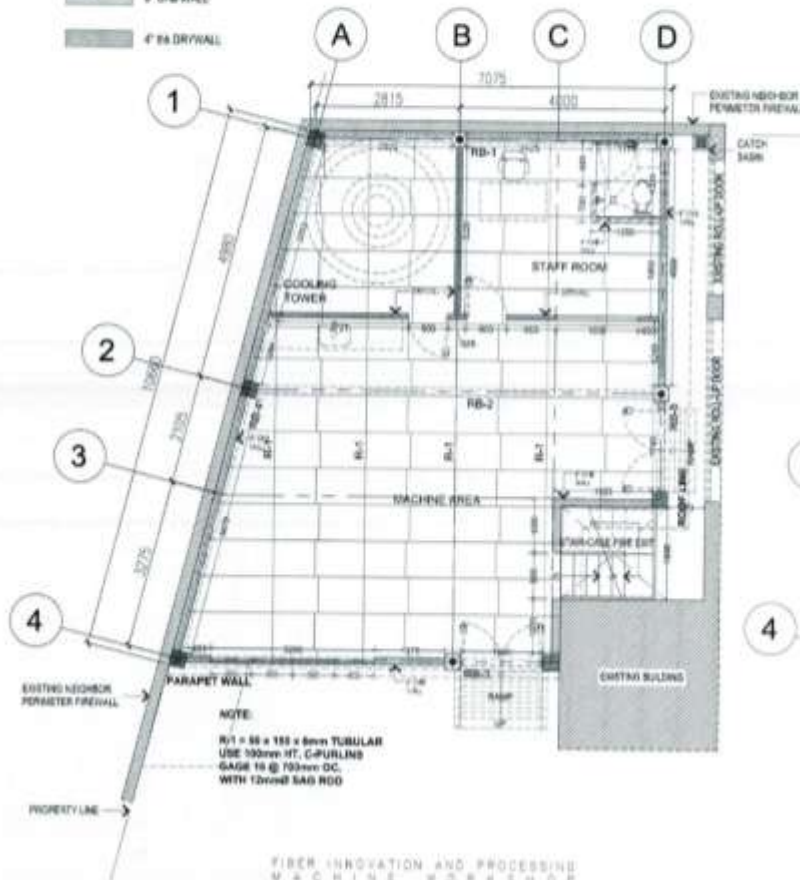
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4. Subject to actual verification.

<b>PHILIPPINE FIBER INDUSTRY DEVELOPMENT AUTHORITY</b> PFI, BIL, COMPOUND VENTURA AVENUE, KINARA, QUEZON CITY	<b>PROJECT TITLE/LOCATION:</b> FIBER INNOVATION AND PROCESSING MACHINE WORKSHOP PFI, BIL, COMPOUND VENTURA AVENUE, KINARA, QUEZON CITY	<b>APPROVED BY:</b> DR. ENRIQUE DATE: 2024-02-22 REV: 001 REV DATE:	<b>DESIGNED BY:</b> ENGR. JUAN JOSEPH J. NUEVA DATE: 2024-02-22 REV: 001 REV DATE:	<b>CHECKED BY:</b> ENGR. PERITO M. DOMINIO II DATE: 2024-02-22 REV: 001 REV DATE:	<b>ENGINEERED BY:</b> ENGR. EMMA Z. BALABAN DATE: 2024-02-22 REV: 001 REV DATE:	<b>RECOMMENDED APPROVAL:</b> ENGR. RAMIL S. BARCELONA, MPA DATE: 2024-02-22 REV: 001 REV DATE:	<b>APPROVED BY:</b> ARNOLD R. LATENZA DATE: 2024-02-22 REV: 001 REV DATE:	<b>SHEET NO.</b> A-5 5 11
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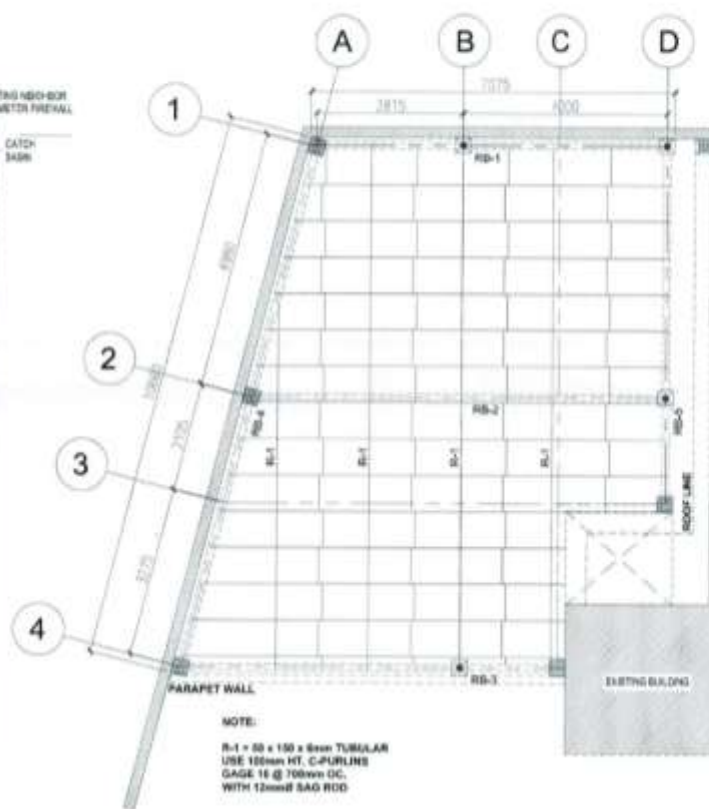


# LEGEND:

- 4" CHB WALL
- 6" CHB WALL
- 4" SB DRYWALL

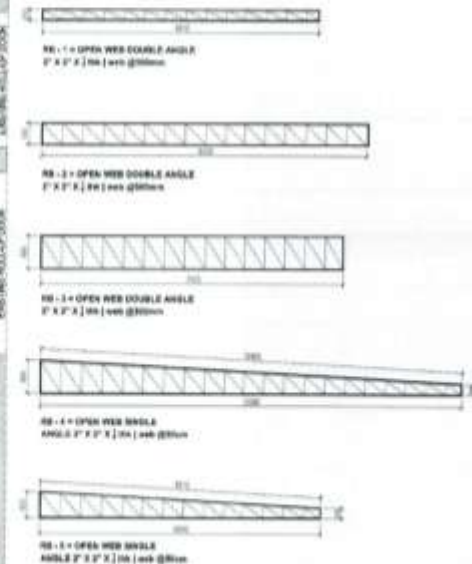


FIBER INNOVATION AND PROCESSING  
MACHINE WORKSHOP  
PROPOSED  
**1 WALL SETTING OUT**  
S-1 SCALE: 1:100 m



FIBER INNOVATION AND PROCESSING  
MACHINE WORKSHOP  
PROPOSED  
**2 ROOF FRAMING PLAN**  
S-1 SCALE: 1:100 m

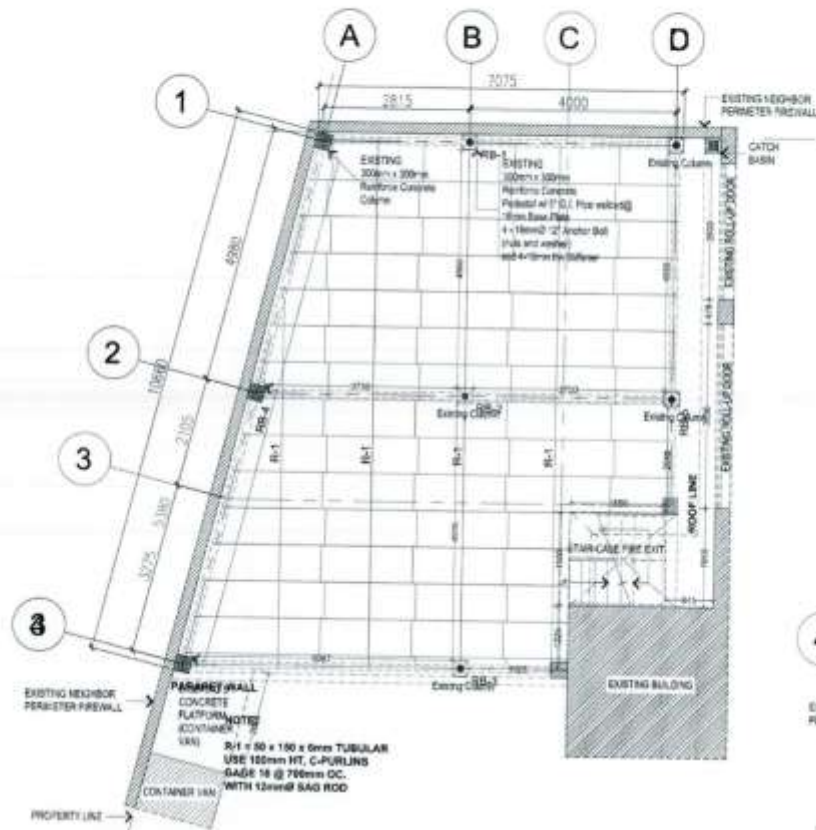
## TRUSS DETAILS:



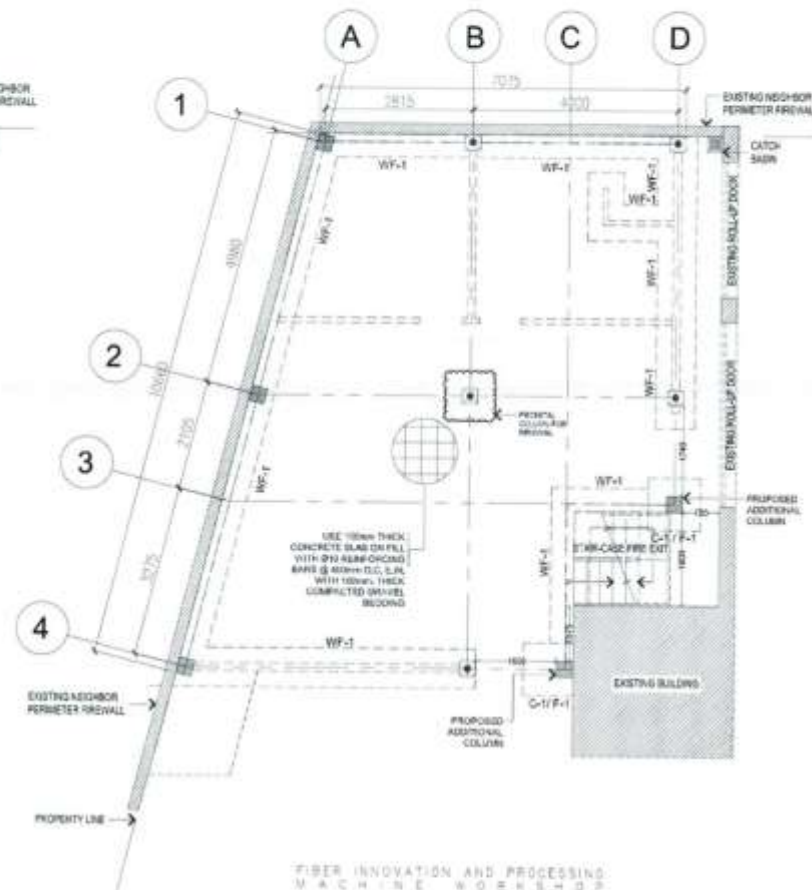
**ROOF SLOPE**

<b>PHILIPPINE FIBER INDUSTRY DEVELOPMENT AUTHORITY</b> <small>PPIL, INC., CORPORALED UNDER RA 6456, MANILA, PHILIPPINES</small>	<b>PROJECT LOCATION</b> <b>FIBER INNOVATION AND PROCESSING MACHINE WORKSHOP</b> <small>PPIL, INC., CORPORALED UNDER RA 6456, MANILA, PHILIPPINES</small>	<b>SHEET CONTENTS</b> AS SHOWN DATE: 06/06/2020 REV. NO.:      REV. DATE:	DESIGNED BY: <b>ENGR. JUSTIN JOSEPH J. NUEVA</b> <small>SENIOR ENGINEER</small> PRC NO.:      DATE:      SIGNATURE:	CHECKED BY: <b>ENGR. PERITO M. MARIANO JR.</b> <small>SENIOR ENGINEER</small> PRC NO.:      DATE:      SIGNATURE:	DRAWN BY: <b>ENGR. EMMA Z. BALABIS</b> <small>PROJECT ENGINEER</small> PRC NO.:      DATE:      SIGNATURE:	RECOMMENDING OFFICER: <b>ENGR. RAMIL B. BARCELONA, MPA</b> <small>DEPUTY GENERAL MANAGER OF PPIL</small> SIGNATURE:	APPROVED BY: <b>ARNOLD ALF. ATENZA</b> <small>EXECUTIVE DIRECTOR</small> SIGNATURE:	SHEET NO.: <b>S-1</b> 7/11
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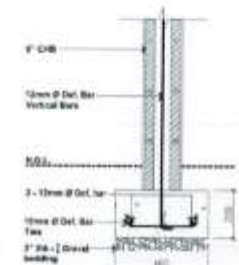




FIBER INNOVATION AND PROCESSING  
MACHINE WORKSHOP  
**1 AS-FOUND PLAN**  
S-2 SCALE: 1:100 m.





FIBER INNOVATION AND PROCESSING  
MACHINE WORKSHOP  
**2 FOUNDATION PLAN**  
S-2 SCALE: 1:100 m.

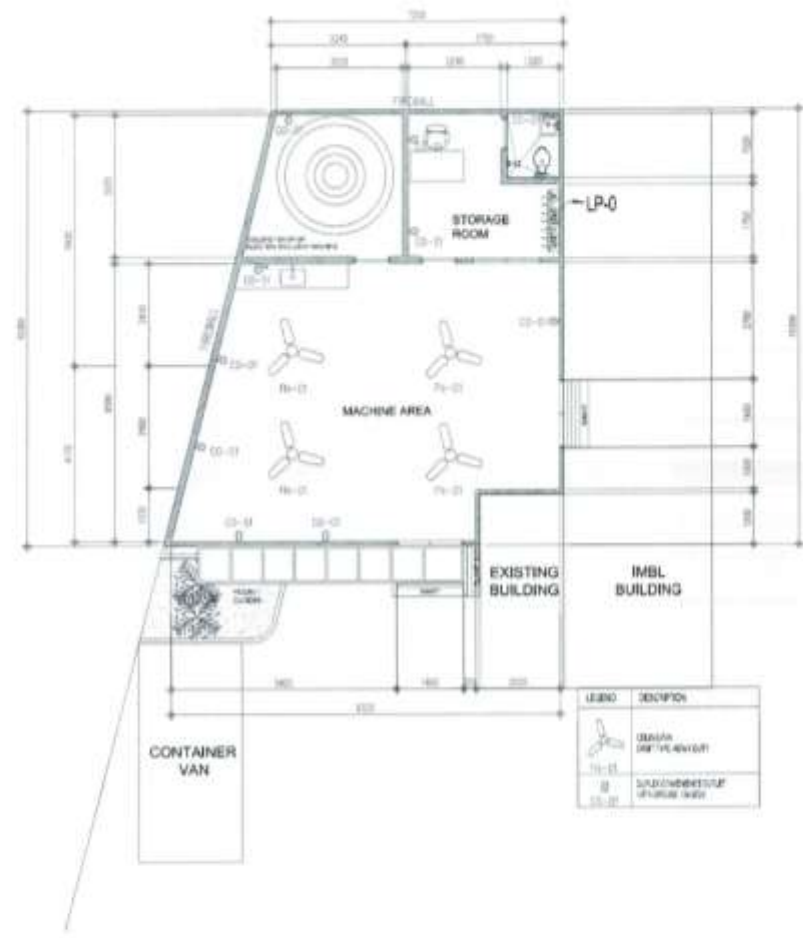


**WF - 1**



**C-1 | F-1**

OWNER:  <b>PHILIPPINE FIBER INDUSTRY DEVELOPMENT AUTHORITY</b> PFIA, INC. COMPOUND VIRARAS AVENUE, VIRAR, QUEZON CITY	PROJECT TITLE/LOCATION: <b>FIBER INNOVATION AND PROCESSING MACHINE WORKSHOP</b> PFIA, INC. COMPOUND VIRARAS AVENUE, VIRAR, QUEZON CITY	SHEET CONTENTS: AS SHOWN: DATE: 08/08/2024 REV. NO.:      REV. DATE:	DRAWN BY:  <b>ENGR. JUSTINE JOSEPH J. NUEVA</b> PROJECT ARCHITECT	DESIGNED BY:  <b>ENGR. PERPETUA M. SORIANO</b> PROJECT ARCHITECT	CHECKED BY:  <b>ENGR. EMMA Z. BARABAS</b> PROJECT ARCHITECT	RECOMMENDING APPROVAL:  <b>ENGR. RAMIL B. BARCELONA, MPA</b> INC. DEPT. F. & C. DIVISION CHIEF	APPROVED BY:  <b>ARNOLD P. L. ATIENZA</b> ENGINEER	SHEET NO: <b>S-2</b> <b>8 11</b>
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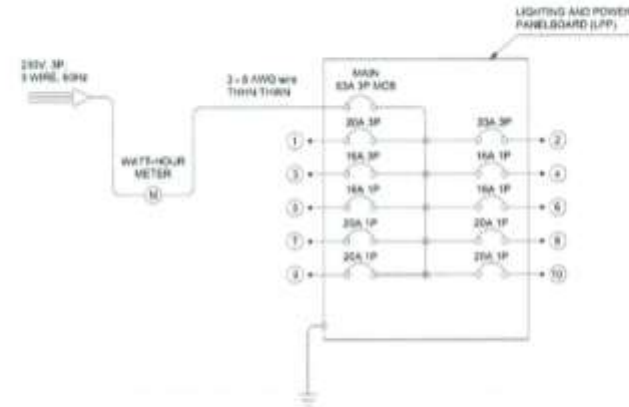
1	<b>LIGHTING AND SWITCH LAYOUT</b>	
E-1	SCALE	1:100 m

2	<b>POWER SYSTEM LAYOUT</b>	
E-1	SCALE :	1:100 m

# ELECTRICAL SPECIFICATIONS

(IN ACCORDANCE WITH THE PHILIPPINE ELECTRICAL CODE)

1. TYPE OF SERVICE:  
SYSTEM SHALL BE 230V, 3-PHASE, 4-WIRE, 60HZ PROVIDED BY THE UTILITY COMPANY.
2. WIRING METHOD:  
WIRING SHALL BE INSTALLED IN PVC SCHEDULE 40 OR FLEXIBLE METALLIC CONDUIT MOUNTED ON WALLS, CEILINGS, OR EMBEDDED IN CONCRETE. ALL MATERIALS SHALL BE NEW, RPS-CERTIFIED, AND RATED FOR THEIR INTENDED USE.
3. MOUNTING HEIGHTS:  
SWITCHES: 1.30 METERS ABOVE FINISHED FLOOR LINE (AFFL)  
CONVENIENCE OUTLETS: 0.30 METERS AFFL  
PANELBOARD: TOP AT 1.80 METERS AFFL  
OTHER OUTLETS: AS INDICATED IN THE PLANS
4. PULL AND JUNCTION BOXES:  
PULL/JUNCTION BOXES OF APPROPRIATE SIZES SHALL BE PROVIDED WHERE NECESSARY EVEN IF NOT INDICATED ON THE PLANS.
5. SPARE CIRCUITS:  
FOR EACH SPARE CIRCUIT IN THE PANELBOARD, PROVIDE ONE 20MM Ø FLEXIBLE PVC CONDUIT TERMINATED IN A 100MM Ø OCTAGONAL BOX WITH GALVANIZED PULL WIRE.
6. CIRCUIT BREAKERS:  
ALL PROTECTIVE DEVICES SHALL BE MINIATURE CIRCUIT BREAKERS (MCBS), THERMAL-MAGNETIC TYPE, DIN-MOUNTED.
7. WIRING SYSTEM:  
USE THHN COPPER CONDUCTORS, 600V RATED, MINIMUM CONDUCTOR SIZES:  
#8 AWG FOR FEEDER  
#12 AWG FOR 20A BRANCH CIRCUITS  
#14 AWG FOR LIGHTING AND 15A CIRCUITS
8. GROUNDING SYSTEM:  
ALL EXPOSED METALLIC PARTS SHALL BE BONDED AND GROUNDED. USE GROUND ROD (2.4M X 6/8") WITH #8 AWG COPPER GROUNDING CONDUCTOR. GROUND RESISTANCE SHALL NOT EXCEED 25 OHMS.
9. TESTING AND COMMISSIONING:  
PERFORM INSULATION RESISTANCE, CONTINUITY, VOLTAGE, AND FUNCTIONAL TESTS PRIOR TO ENERGIZATION. SUBMIT TEST REPORTS AS PART OF DOCUMENTATION.
10. SUPERVISION:  
ALL WORKS SHALL BE EXECUTED UNDER THE DIRECT SUPERVISION OF A DULY LICENSED PROFESSIONAL ELECTRICAL ENGINEER (PEE), REGISTERED ELECTRICAL ENGINEER (REE), OR REGISTERED MASTER ELECTRICIAN (RME)



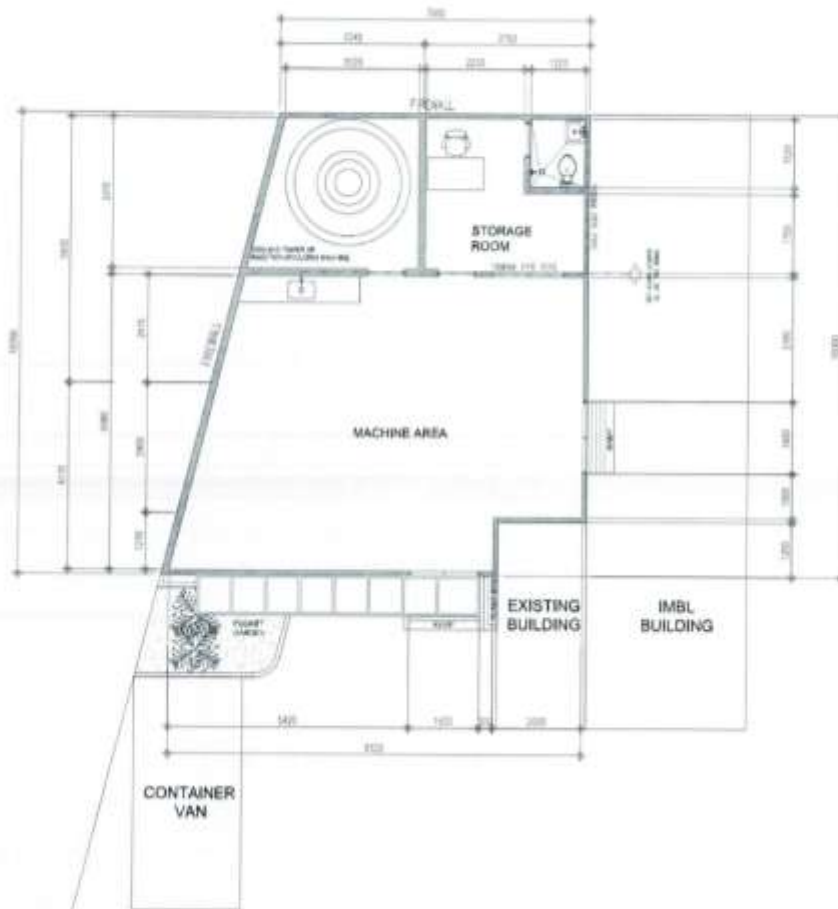
1 SINGLE LINE DIAGRAM  
E-2 SCALE 1:100 m

NO.	LOAD DESCRIPTION	POWER	VOLTAGE	CURRENT [A]	PHASE	CB RATING	WIRE SIZE (CU, THHN)
1	FIBER CUTTING MACHINE	2200 W	220V	6.76 A	3Ø	20A 3P	#12 AWG
2	FIBER OPENER MACHINE	2200 W	220V	6.76 A	3Ø	20A 3P	#12 AWG
3	DEGUMMING MACHINE	1500 W	220V	4.61 A	3Ø	16A 3P	#14 AWG
4	1 HP SPLIT TYPE AIRCON	750 W (1 HP)	220V	3.41 A	1Ø	16A 1P	#14 AWG
5	17 LED CEILING LIGHTS (12W)	204 W	220V	0.93 A	1Ø	COMBINED W/ #6	COMBINED LIGHTING CIRCUIT
6	17 LED CEILING LIGHTS (9W)	153 W	220V	0.70 A	1Ø	16A 1P	#14 AWG
7	4 CEILING FANS (65W)	260 W	220V	1.18 A	1Ø	16A 1P	#14 AWG
8	5 DUPLEX CONVENIENCE OUTLETS	~1800 W (EST.)	220V	8.18 A	1Ø	20A 1P	#12 AWG
9	SPARE CIRCUIT 1	—	—	—	1Ø	20A 1P	#12 AWG
10	SPARE CIRCUIT 2	—	—	—	1Ø	20A 1P	#12 AWG

2 SCHEDULE OF LOADS  
E-2 SCALE 1:100 m

OWNER	PROJECT TITLE/LOCATION	DESIGN CONTENTS	DESIGNED BY	DESIGNED BY	CHECKED BY	RECOMMENDING ENGINEER	APPROVED BY	DATE
 PHILIPPINE FIBER INDUSTRY DEVELOPMENT AUTHORITY 170A, 3RD, COMPOUND VILLAGE HAVANA, VILLAGE, DASIKAN CITY	FIBER INNOVATION AND PROCESSING MACHINE WORKSHOP 170A, 3RD, COMPOUND VILLAGE HAVANA, VILLAGE, DASIKAN CITY	DESIGN CONTENTS 1. SITE PLAN 2. ELECTRICAL PLAN 3. MECHANICAL PLAN 4. CIVIL PLAN 5. SANITARY PLAN 6. LANDSCAPE ARCHITECTURE 7. OTHERS	ENGR. JUAN JOSEPH J. NUESTA PROJECT MANAGER PEE REGISTERED ELECTRICAL ENGINEER	ENGR. PETER M. SORIANO JR. PROJECT MANAGER PEE REGISTERED ELECTRICAL ENGINEER	ENGR. EMMA Z. B. ABIS PVT HEAD	ENGR. RAME B. BARCELONA, MPA CHIEF OF PROJECTS/EXECUTIVE DIRECTOR	ARNOLD A. ATENZA PROJECT MANAGER	E-2 10/11



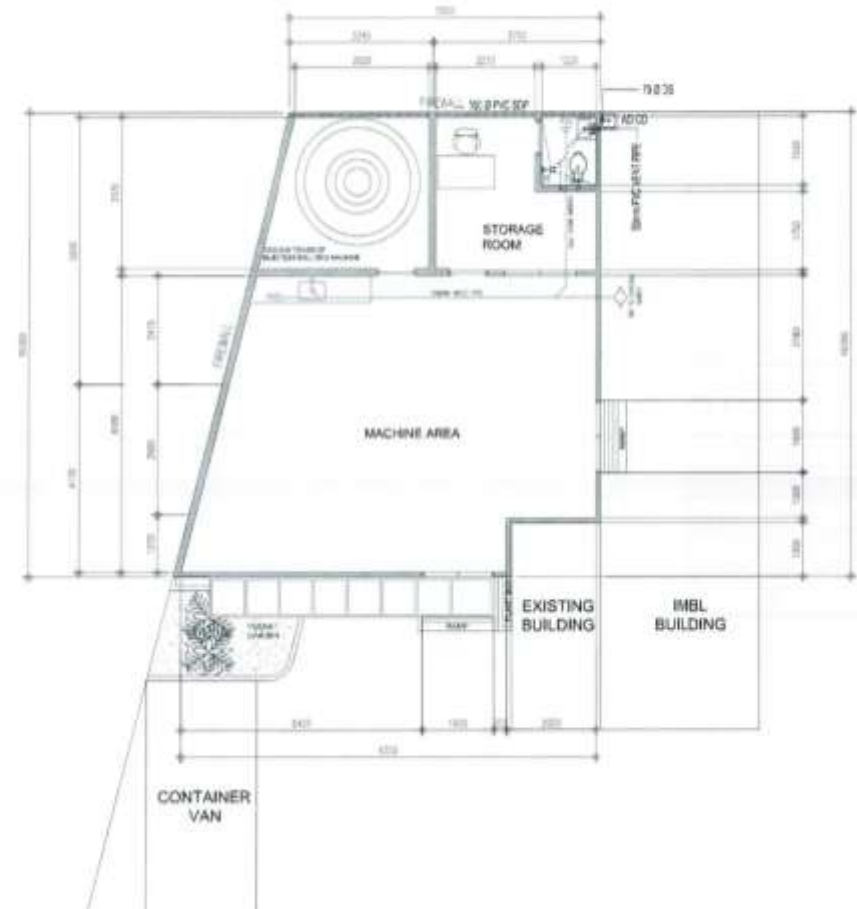


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### 1 | WATER SUPPLY LAYOUT

P-1 | SCALE : 1:100 m



### 2 | SANITARY, WASTE, AND VENT LAYOUT

P-1 | SCALE : 1:100 m

OWNER	PROJECT DESCRIPTION	SHEET CONTENTS	DESIGNED BY	CHECKED BY	APPROVED BY	RECOMMENDED BY	APPROVED BY	SHEET NO.
 <b>PHILIPPINE FIBER INDUSTRY DEVELOPMENT AUTHORITY</b> FPD, INC. COMPLEXTOWN AVENUE, VARDIA, ILAGAN CITY	<b>FIBER INNOVATION AND PROCESSING MACHINE WORKSHOP</b> FPD, INC. COMPLEXTOWN AVENUE, VARDIA, ILAGAN CITY	1. WATER SUPPLY LAYOUT 2. SANITARY, WASTE, AND VENT LAYOUT	<b>ENGR. JUSTINE JOSEPH J. ARENA</b> PROJECT ARCHITECT	<b>ENGR. PERITO B. TORIANO IS</b> PROJECT ARCHITECT	<b>ENGR. EMMA Z. BALANIS</b> PROJECT ARCHITECT	<b>ENGR. RAMIL B. MARCELONA, MPA</b> SEN. DEPUTY EXECUTIVE DIRECTOR	<b>ARNOLD L. L. ATENZA</b> EXECUTIVE DIRECTOR	P-1 11/11

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Signature Over Printed Name

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Position/Designation

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Name of Company