



Republic of the Philippines  
**SOUTHERN LUZON STATE UNIVERSITY**  
 Lucban, Quezon

**REQUEST FOR QUOTATION**

**MATERIALS FOR ESTABLISHMENT OF SOLAR DRYER FOR SEAWEED (ORS)**

**Purchase Request No. 2024-03-0852**  
**Approved Budget for the Contract: ₱250,000.00**


The Southern Luzon State University through the Bids and Awards Committee invites interested firms/supplier to submit quotation for the procurement of **Establishment of Solar Dryer for Seaweed (ORS)** to apply the sum of **Two Hundred Fifty Thousand Pesos Only (₱ 250,000.00)** inclusive of VAT, being the **Approved Budget for the Contract (ABC)**, details as follows:

Qty.	Unit	ITEM/S DESCRIPTION
1	lot	<b>Greenhouse - Type Solar Dryer for Seaweeds with installation (4mx6m )</b>
		post spacing 4m x 2m
		post height 3m from the ground
		post specification (Galvanized Pipe 2" diameter S20)
		post foundation (Concrete 22cm x 22cm x 80cm)
		Arc Height (Apex) 4m from ground
		Arc Specification (galvanized pipe 1" diameter)
		Mid Column Specification (Galvanized Pipe 1 1/4" diameter S20)
		Beam Specification (Galvanized Pipe 1 1/4" diameter S20)
		Purlins (Galvanized Pipe 3/4" diameter S20)
		Roofing (200 microns UVA clear)
		Insect net proof (Insect net mesh #24)
		Plastic curtain (manual two sides)
		Plastic locking system (aluminum profile with coated spring at 3 long)
		Ground cover (weed eliminator color black)
		concrete Perimeter (CHB 4" two layers; one below ground and one above ground)
		Solar Panel for exhaust fans (2 sets 20 watts; 12 inches diameter)
		exhaust fans with panels

1. The quotation must be submitted (can also be send thru email at the contact details listed below) or to the Office of the Procurement Office/Bids and Awards Committee, Southern Luzon State University, 2<sup>nd</sup> Flr. Hermano Puli Building, and shall be received by the Committee.

E-mail : [slsuprourement@slsu.edu.ph](mailto:slsuprourement@slsu.edu.ph)

2. The SLSU reserves the right to reject any or all quotations and/or proposals and waive any formalities/ informalities therein and to accept such bids it may consider as most advantageous to the agency and to the government. Southern Luzon State University SLSU neither assumes any obligation for whatsoever losses that may be incurred in the preparation of bids, nor does it guarantee that an award will be made.

  
**MARIDEL C. ZABELLA**  
Head, Procurement Office  
Southern Luzon State University  
Lucban, Quezon  
Tel. No.: (042)540-6519



Republic of the Philippines  
**SOUTHERN LUZON STATE UNIVERSITY**  
 Luchan, Quezon

**REQUEST FOR QUOTATION**

<b>Office/End-User:</b>	<b>Research Services</b>	<b>Date:</b>	
<b>COMPANY NAME:</b>		<b>PR No.:</b>	<b>2024-03-0852</b>
<b>ADDRESS :</b>		<b>TIN No.:</b>	
<b>TEL. NO./FAX NO. :</b>			

Please quote your lowest price on the Item(s) listed below, subject to the Terms & Conditions stated below and submit your quotation duly signed by your representative not later than \_\_\_\_\_ of \_\_\_\_\_ in the return envelope attached herewith to the Procurement office.

- TERMS and CONDITIONS**
- All entries must be typewritten or legibility written.
  - Delivery period within \_\_\_\_\_ upon conforme of the approved Purchase Order (P.O). Administrative penalties to Sec. 69 of the Revised IRR-RA 1984 shall be imposed for non-delivery without valid reason.
  - Warranty shall be for a minimum of three (3) months for Supplies & Materials; (1) one year for Equipment from date of acceptance by the end-user.
  - Price validity shall be for a period of sixty (60) calendar days.
  - Suppliers required to submit updated documents yearly such as G-EP5 Registration, Certificate of Tax, Mayor's Permit, DTI, Bank Name/Account and Branch for evaluation of the Procurement Office upon submission of the quotation.
  - Bidders shall submit complete specifications showing products certification, if applicable.
  - Please indicate the brand for each Items being offered.
  - The Approved budget ceiling for this procurement is PHP 250,000.00

**MARIDEL C. ZABELLA**  
 Head, Procurement Office

Item #	Qty.	Unit	ITEM/S DESCRIPTION	Unit Price	Total Cost
	1	lot	<b>Greenhouse - Type Solar Dryer for Seaweeds with installation (4mx6m )</b>		
			post spacing 4m x 2m		
			post height 3m from the ground		
			post specification (Galvanized Pipe 2" diameter S20)		
			post foundation (Concrete 22cm x 22cm x 80cm)		
			Arc Height (Apex) 4m from ground		
			Arc Specification (galvanized pipe 1" diameter)		
			Mld Column Specification (Galvanized Pipe 1 1/4" diameter S20)		
			Beam Specification (Galvanized Pipe 1 1/4" diameter S20)		
			Purlins (Galvanized Pipe 3/4" diameter S20)		
			Roofing (200 microns UVA clear)		
			Insect net proof (Insect net mesh #24)		
			Plastic curtain (manual two sides)		
			Plastic locking system (aluminum profile with coated spring at 3 long)		
			Ground cover (weed eliminator color black)		
			concrete Perimeter (CHB 4" two layers; one below ground and one above ground)		
			Solar Panel for exhaust fans (2 sets 20 watts; 12 inches diameter)		
			exhaust fans with panels		

<b>Source of Fund:</b>		<b>Warranty:</b>	
<b>Delivery Period:</b>		<b>Price Validity:</b>	

*After having carefully read & accepted your General Conditions, We quote you on the item(s) at prices note above. If the space of provides on the Delivery Period, Warranty & Price Validity are left blank, it means that I concur w/ the Terms & Conditions specified by SLSU Procurement Office.*

\_\_\_\_\_  
 Printed Name/Signature/Date

Republic of the Philippines  
SOUTHERN LUZON STATE UNIVERSITY  
Planning and Development Office  
Lucban, Quezon

PROJECT TITLE : Establishment of Solar Dryer for Seaweed

PROJECT LOCATION: Calauag, Quezon

OWNER : Southern Luzon State University

MODE OF IMPLEMENTATION : By Administration

ABC : P 250,000.00

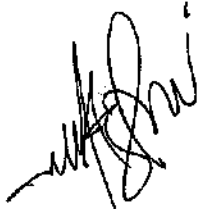
PROJECT DURATION : 30 Calendar Days (Except Sunday)

SUMMARY

ITEM	DESCRIPTION	COST OF MATERIALS	LABOR AND FABRICATION COST	TOTAL
I	MOBILIZATION/DEMObILIZATION	-		
II	EARTH WORKS	-		
III	GREEN HOUSE AND SOLAR PANEL			
<b>TOTAL ESTIMATED DIRECT COST</b>				<b>P</b>

TOTAL PROJECT COST IN WORDS: \_\_\_\_\_  
\_\_\_\_\_

CONTRACTOR/BIDDER: \_\_\_\_\_



Republic of the Philippines  
SOUTHERN LUZON STATE UNIVERSITY  
Planning and Development Office  
Lucban, Quezon

**PROJECT TITLE:** Establishment of Solar Dryer for Seaweed  
**PROJECT LOCATION:** Calauag, Quezon  
**OWNER:** Southern Luzon State University  
**MODE OF IMPLEMENTATION:** By Administration  
**PROJECT DURATION:** 30 Calendar Days (Except Sunday)

**BILL OF MATERIALS**

I. GREEN HOUSE AND SOLAR PANEL						
Quantity	Unit	Description	Direct Cost	Indirect Cost (VAT/OCM/Profit)	Unit Cost	Amount
<b>Reinforced Concrete</b>						
	pcs	Cement				-
	pcs	Gravel				-
	pcs	Sand				-
	pcs	12mm Ø Reinforcing Steel Bar				-
	pcs	10mm Ø Reinforcing Steel Bar				-
	roll	Tie Wire #16				-
<b>Green House</b>						
	pcs	GI Pipe 2"Ø sched 40, 6m				-
	pcs	GI Pipe 1 1/4"Ø sched 40, 6m				-
	pcs	GI Pipe 1"Ø sched 40, 6m				-
	roll	UV Plastic 200 micron (Green House) 9ft x 50m				-
	sqm	Insect Net Screen				-
	m	No. 14 Electrical Wire				-
	box	Welding Rod				-
	gal	Epoxy Primer				-
	lit	Lacquer Thinner				-
<b>Solar Panel Equipment</b>						
	set	Solar Panel				-
	set	Battery (Gel Type), 24V				-
	set	Inverter, 100W				-
	set	Exhaust Fan 12"				-
	pcs	Circuit Breaker, 30A				-
	pcs	Circuit Breaker enclosure box				-
	set	Temperature Sensor				-
	set	Accessories for arduino				-
	pcs	Receptacle 4"				-
	pcs	LED light				-
<b>Form works</b>						
	pcs	Phenolic Board 4' x 8'				-
	pcs	Cocolumber 2" x 2" x 8'				-
	kg	Assorted Nails (#1, #2, #3)				-
	lot	Consumables				-
					<b>TOTAL</b>	-



Republic of the Philippines  
Southern Luzon State University  
Planning and Development office  
Lucban, Quezon

**PROJECT TITLE:** Establishment of Solar Dryer for Seaweed  
**PROJECT LOCATION:** Calauag, Quezon  
**OWNER:** Southern Luzon State University  
**PROJECT DURATION:** 30 Calendar Days (Except Sunday)  
**SUBJECT:** Specification of materials and finishes

### **SPECIFICATION OF MATERIALS AND SCOPE OF WORKS**

#### **GENERAL**

- All applicable provisions of the different divisions of the Specifications for each work shall apply for all items cited in this schedule.
- Discrepancy arising from this section of the Contract Documents must be brought to the attention of the Owner or representative Architect/Engineer whose decision shall be final.
- Materials deemed necessary to complete the works but not specifically mentioned in the Specification, Working, Drawing, or in the Contract Document shall be supplied and installed or applied in a workmanlike manner at prescribe or appropriate locations following the Standard Practice of Civil Engineering, National Building Code of the Philippines and Construction Procedures.
- All items with specified approved brand, manufacturer, supplier, fabricator, trademark and the like shall be strictly followed.
- The Contractor shall coordinate the work with the Project Management office to expedite the implementation of the project, most specially, during the milestones of the project.
- The Contractor shall supply all finishing accessories and furnishing fixtures as may be approved by the power or representative and shall be installed by the Contractor whenever required by the Owner or Representative.
- All works must be done within the timeline calendar days given except for Sundays.

#### **INTERPRETATION OF CONTRACT**

- a. In case of conflict between the provisions of the Agreement or of any Contract Document, or between the provisions of one of the Contract Documents and the provisions of another Contract Document, or in case of discrepancy, defective description, error or omission in the Contract, the following rules shall be followed:

**Rule 1:** The Agreement and the Contract Documents shall be taken as mutually explanatory of one another. The various provisions of the Contract shall be interpreted together, attributing to the 5 doubtful ones that sense which may result from all of them taken jointly.

**Rule 2:** The provisions of the Civil Code of the Philippines on the interpretation of contracts and of the Rules of Court on the Interpretation of Documents shall be applied.

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Lucban, Quezon

Rule 3: Where the conflict between or among the provisions of the Agreement and/or the Contract Documents cannot be resolved by Rules 1 and 2, it shall be understood that:

- a. the Detailed Drawings shall prevail over the General Drawings;
- b. words and figures shall prevail over the Drawings;
- c. words shall prevail over figures in Contract Documents;
- d. written dimensions shall prevail over measured dimensions.

Rule 4: Where the conflict cannot be resolved by applying Rule 3 or where Rule 3 does not apply, the conflict shall be resolved by giving precedence to the Agreement or to provisions of a Contract Document higher in order of priority among the various documents which comprise the Contract. The order of priority among these documents shall be as follows:

- e. Agreement as modified by Notice of Award of Contract, if such be the case, and the Contractor's conformity thereto;
- f. Instruction to Bidders and any amendment thereto;
- g. Addenda to Bid Documents;
- h. Specifications;
- i. Drawings;
- j. Special Conditions of Contract;
- k. General Conditions of Contract;
- l. Other Contract Documents; and
- m. Other documents forming part of the Contract attached thereto or incorporated therein by reference.

Where the order of precedence is modified in the Agreement, such modified order of precedence shall be followed; however, the mere listing of Contract Documents in the Agreement or any Contract Document shall not be interpreted as establishing an order of precedence among them.

Rule 5: Where there is discrepancy, defective description, error or omission in any Contract Document, the Contract Documents shall be interpreted as being complementary to each other. Thus, what is called for in one Contract Document, although not mentioned in another Contract Document where it should have been mentioned, shall be deemed to be called for by the Contract.

Rule 6: The apparent silence of the Drawings, Specifications or any other Contract Document as to any detail, or the lack of detailed description concerning any part of the work, shall be understood to mean that good and accepted construction practice in accordance with the usage or custom of the place shall be followed.

Rule 7: Rules 1 to 6 shall yield to specific rules of interpretation in this document or in the Contract.

- b. The Owner shall resolve the conflict, or interpret or explain such discrepancy, defective description, error or omission.
- c. The interpretation of or explanation by the Owner shall be issued in the form of instructions to the Contractor. Where the Owner fails to issue the instruction in writing, the execution of that part of work affected by the interpretation or explanation without a timely objection or

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Lucban, Quezon

protest of the Owner shall be deemed to have been executed in accordance with the Owner's explanation or interpretation.

- d. In all cases where a device, item or part of equipment is referred to in the singular number, it is intended that such reference shall apply to as many such devices, items, or parts as are required to complete the work.


**I. GREEN HOUSE AND SOLAR PANEL**

- Supply of material needed to construct the green house and solar panel.
- Materials to be used shall be brand new.
- Other materials not mentioned on the drawing plan and bill of materials to be used shall be approve by the owner representative.
- All equipment to be installed (inverter, solar panel, battery, exhaust fan, etc.) shall be approve by the owner representative before proceeding on installation of equipment.
- All welding connections must be fully weld.
- Fabrication of greenhouse framing and installation of UV plastic.
- Fabrication and installation of solar panel
- Steel Frame - Painting of epoxy primer gray or other equivalent material approved by the owner representative.

Prepared by:

  
**ENGR. JOEL E. MORALES**  
Asst. Planning Engr.

Recommending approval:

  
**ENGR. MELVIN A. MAKIPAGAY**  
Director, PDO - Infrastructure Development

Approved by:

  
**FREDERICK T. VILLA, DT**  
University President



Republic of the Philippines  
Southern Luzon State University  
Planning and Development office  
Lucban, Quezon

**PROJECT TITLE:** Glass Partition at SLSU Main Campus Library (Third Floor)  
**PROJECT LOCATION:** SLSU Main Campus, Brgy. Kulapi Lucban, Quezon  
**OWNER:** Southern Luzon State University  
**PROJECT DURATION:** 30 Calendar Days (Except Sunday)  
**SUBJECT:** Minimum Technical Personnel and Equipment

**MINIMUM TECHNICAL PERSONNEL AND EQUIPMENT**

QUANTITY	MINIMUM TECHNICAL PERSONNEL
2	Skilled Worker
3	Laborers

QUANTITY	MINIMUM EQUIPMENT
1 unit	Grinding machine
1 unit	Cut - Off Machine
1 unit	Welding Machine

Prepared by:

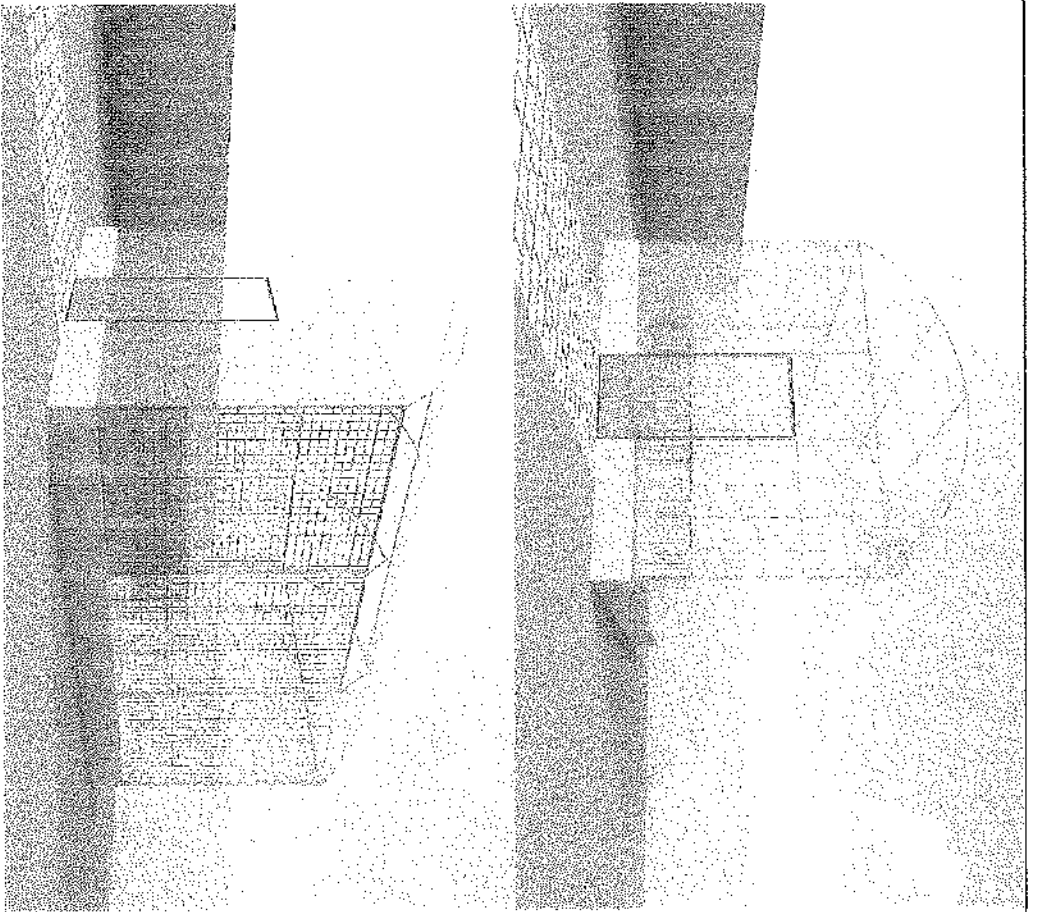
  
**ENGR. JOEL E. MORALES**  
Asst. Planning Engr.

Recommending approval:

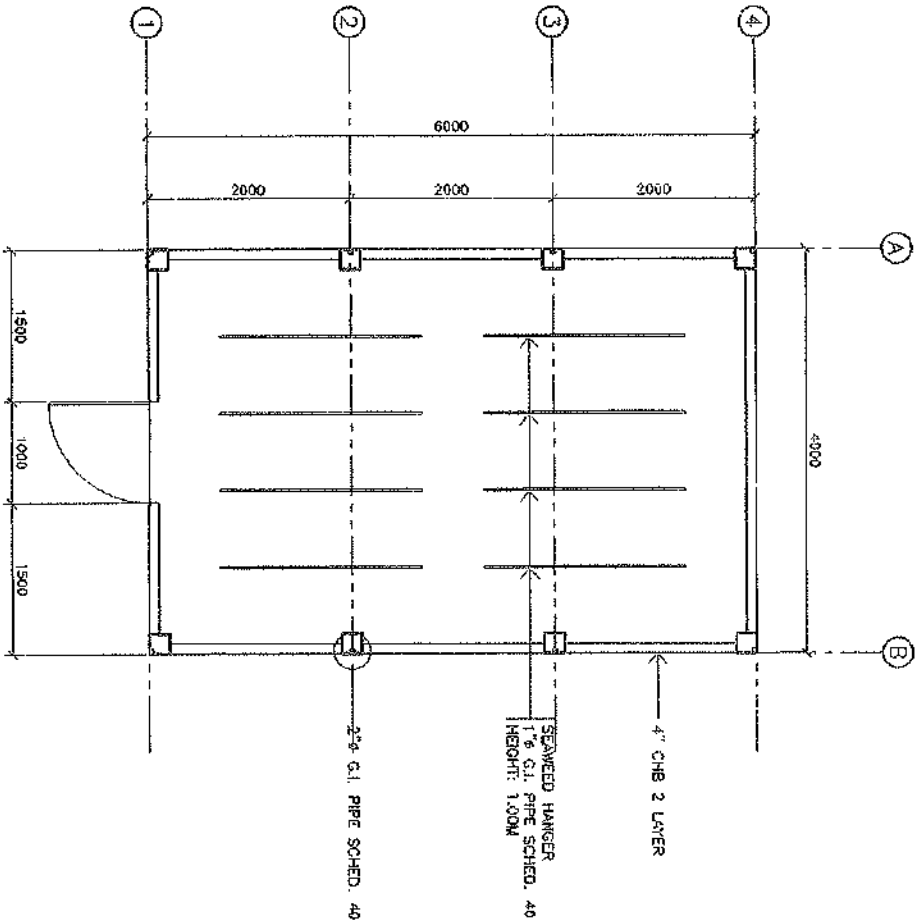
  
**ENGR. MELVIN A. MANIPAGAY**  
Director, PDO - Infrastructure Development

Approved by:

  
**FREDERICK T. VILLA, DT**  
University President



PERSPECTIVE  
SCALE: NTS

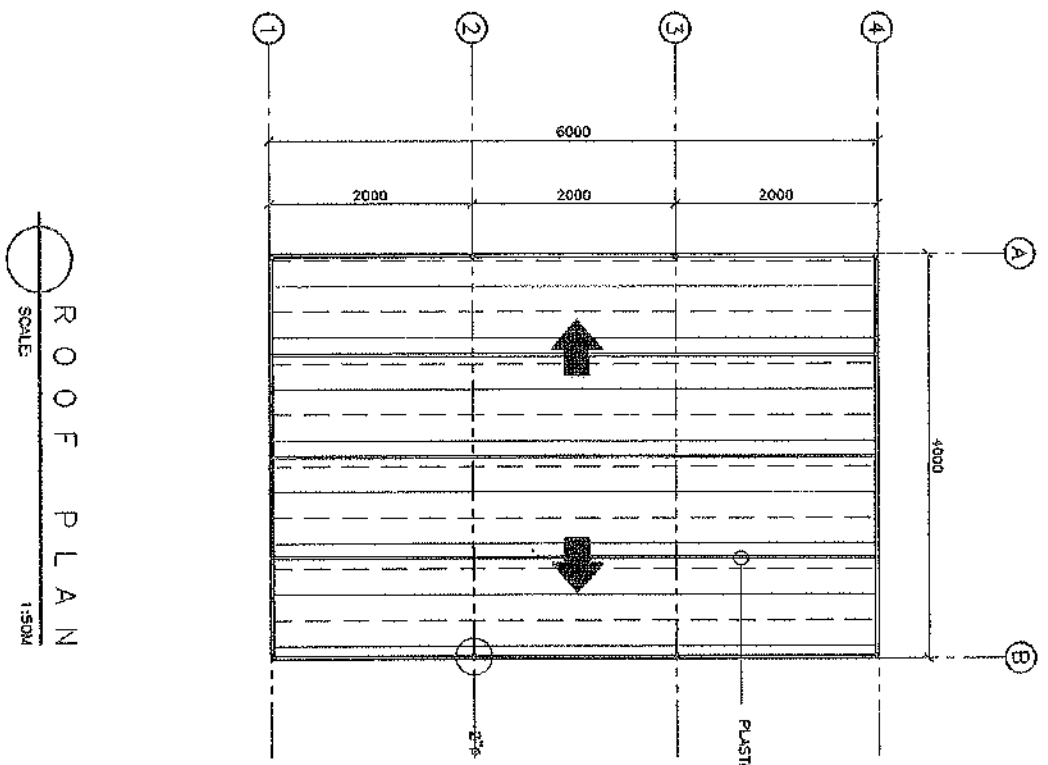


FLOOR PLAN  
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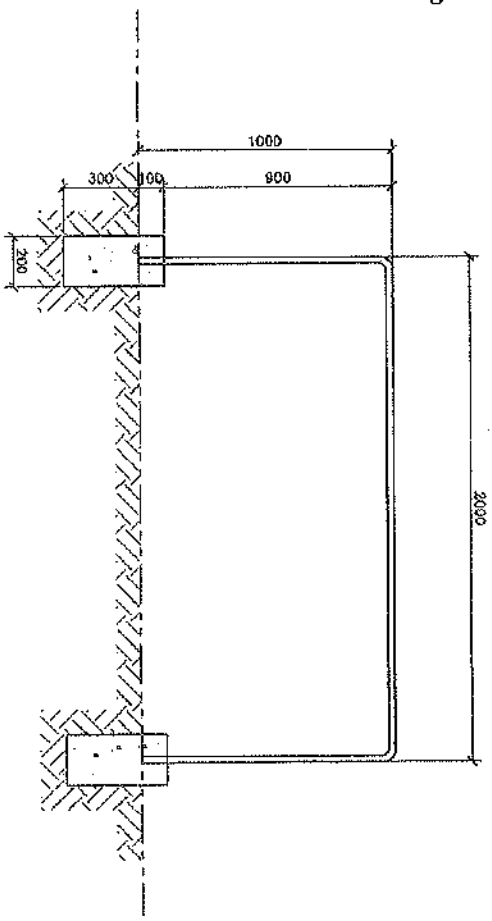
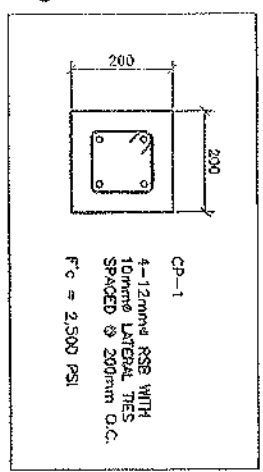
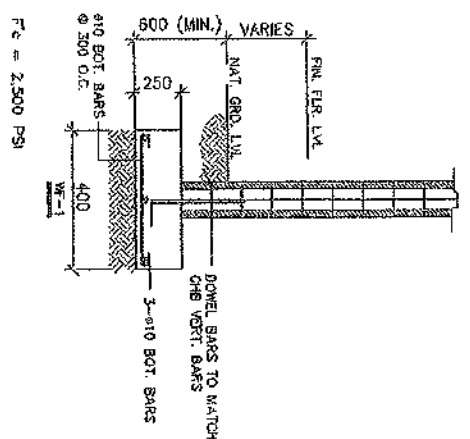
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DATE: 10/10/2010 TIME: 10:00 AM PROJECT: ESTABLISHMENT OF SOLAR DRYER FOR SEAWED		ESTABLISHMENT OF SOLAR DRYER FOR SEAWED	ENGINEER: JOSE V. ADRIAN ASSISTANT ENGINEER: JOSE V. ADRIAN	ENGR. NICKOLAS M. MARIANAYAN PROJECT ENG. SUPERVISOR/ENGINEER	FREDERICK T. VILLA DT PROJECT COORDINATOR				



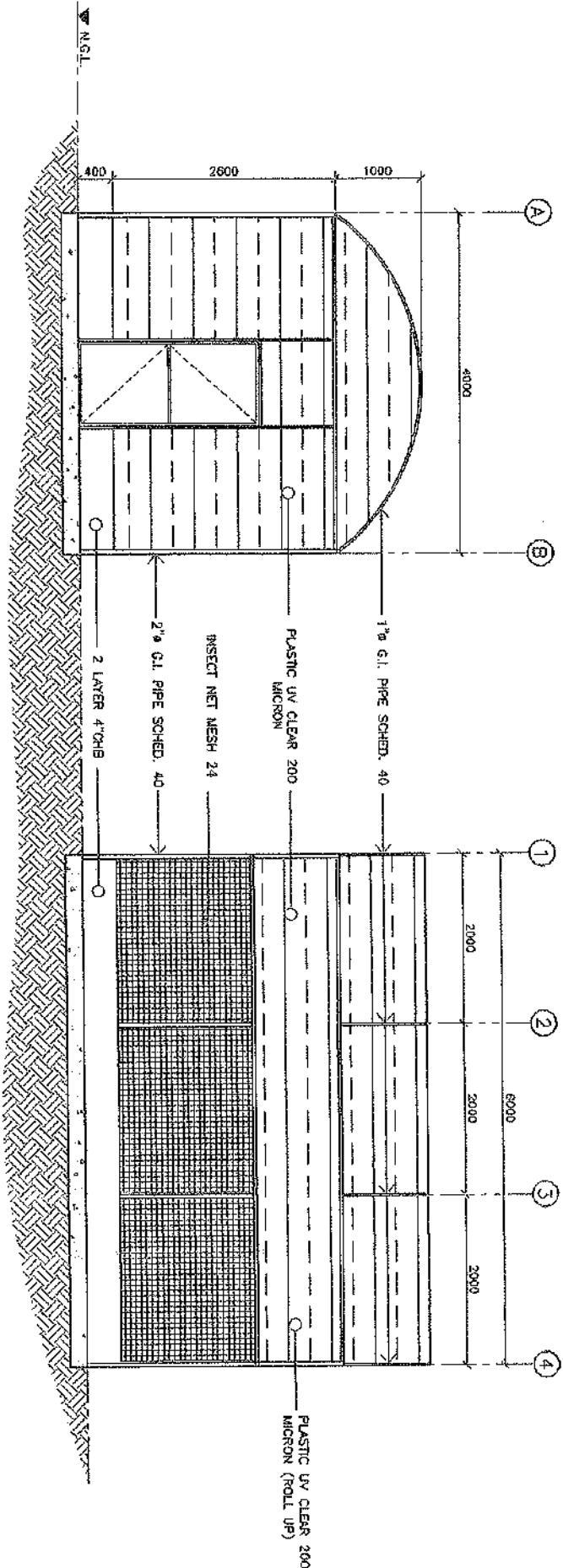
PROJECT NO.	PROJECT TITLE	DESIGNED BY	REVIEWED BY	ENGINEERING APPROVAL	APPROVED BY	SHEET NO.
100-1000	ESTABLISHMENT OF SOLAR DRIVER FOR SEAWEED	ENGR. JAMES S. GIBSON	ENGR. JAMES S. GIBSON	ENGR. MELVIN W. WILKINSON	FREDERICK T. VILLA DT	1
DATE: 10/1/00	PROJECT STATUS: OPEN	DATE: 10/1/00	DATE: 10/1/00	DATE: 10/1/00	DATE: 10/1/00	



ROOF PLAN  
SCALE: 1:500



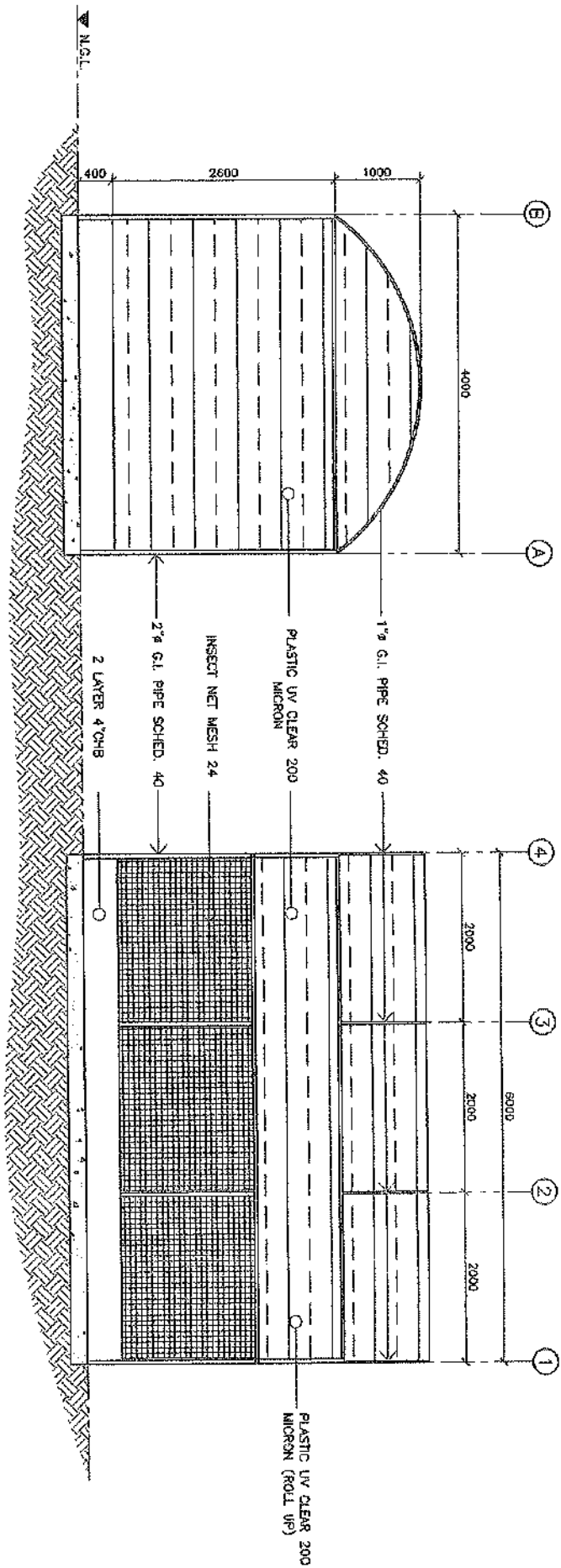
SEAWEED HANGER DETAIL  
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FRONT VIEW ELEVATION  
SCALE: 1:500H

RIGHT SIDE VIEW ELEVATION  
SCALE: 1:500H

		ARCHITECT PROJECT TITLE <b>ESTABLISHMENT OF SOLAR DRYER FOR SEAWEED</b>	DRAWING BY ENGR. JOEL E. VORLES REGISTERED MECHANICAL ENGINEER	REVIEWED BY ENGR. NELSON R. MANRIGAN REGISTERED MECHANICAL ENGINEER	APPROVED BY FREDERICK A. WILLA, DT REGISTERED PROFESSIONAL ENGINEER	SHEET CONTENT:	SHEET NO.
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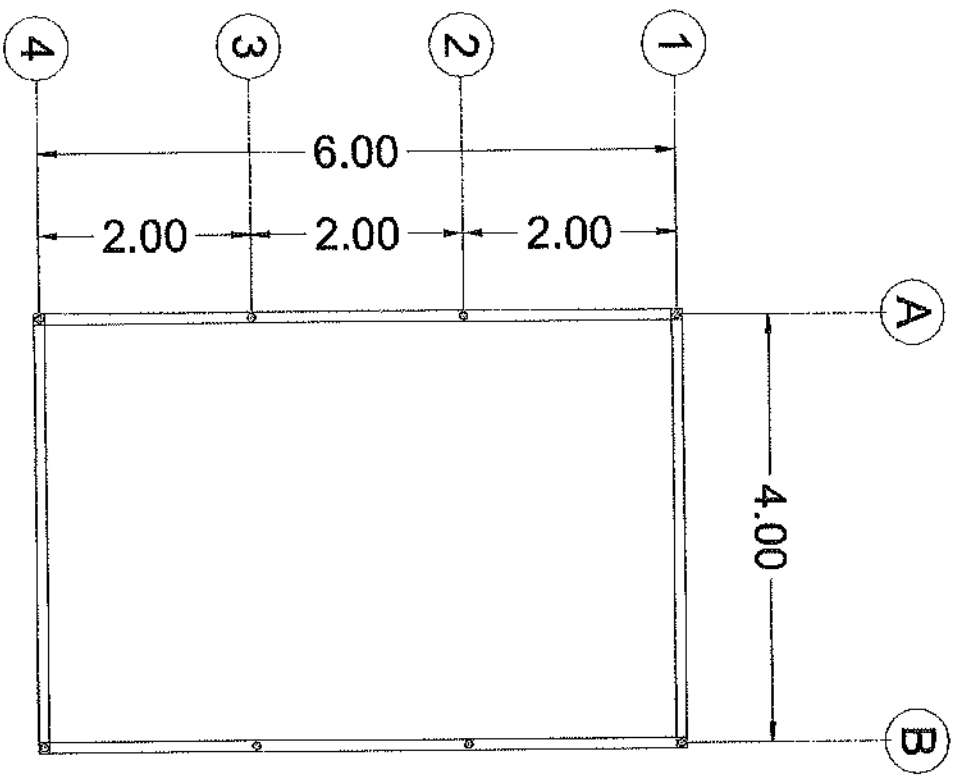


REAR VIEW ELEVATION  
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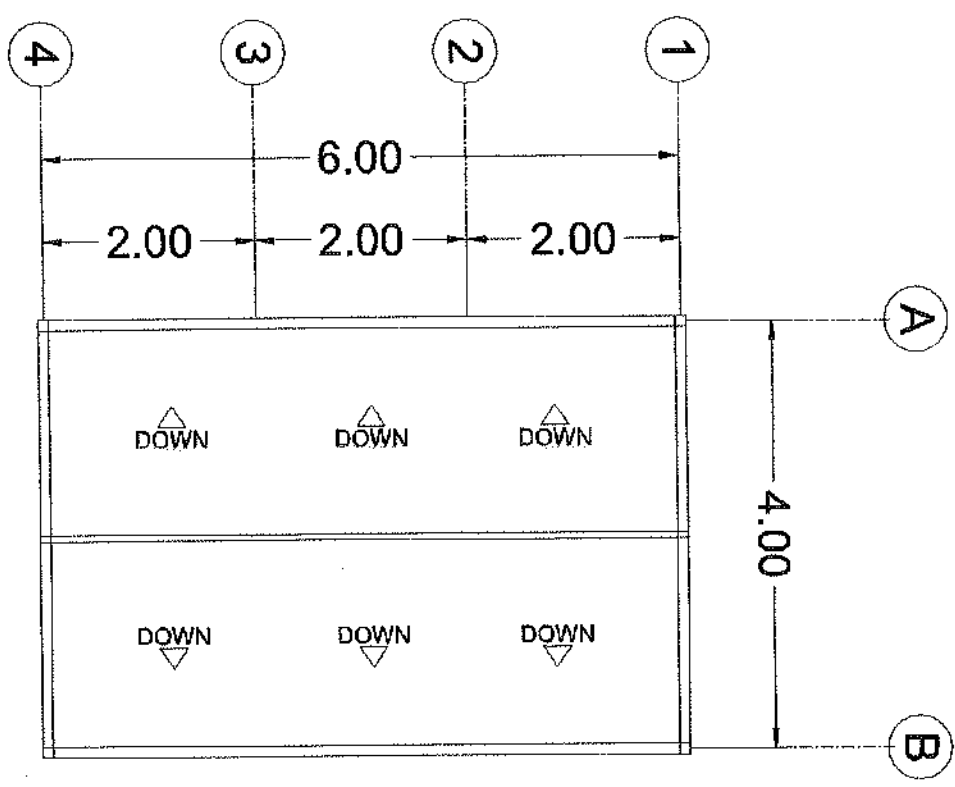
LEFT SIDE VIEW ELEVATION  
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		ARCHITECT: PROJECT TITLE: <b>ESTABLISHMENT OF SOLAR DRYER FOR SEAWED</b>	PLANNED BY: ENGR. AXEL E. KUNJALE	REVISIONS BY: (Signature)	RECOMMENDING APPROVAL: ENGR. MELVIN C. MARIPOSA	APPROVED BY: FREDERICK T. VALA, DT	SHEET CONT'D: SHEET NO.:
DATE: NO. OF SHEETS:	PROJECT LOCATION: PROJECT CLIENT:	DATE:	NO. OF SHEETS:	NO. OF SHEETS:	NO. OF SHEETS:	NO. OF SHEETS:	NO. OF SHEETS:





1 FLOOR PLAN  
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2 ROOF PLAN  
SCALE: 1:50M

TURBU KONSTRAK INC.



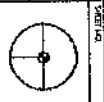
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PROJ. NAME	_____
PROJ. LOCATION	_____
PROJ. DATE	_____
PROJ. STATUS	_____

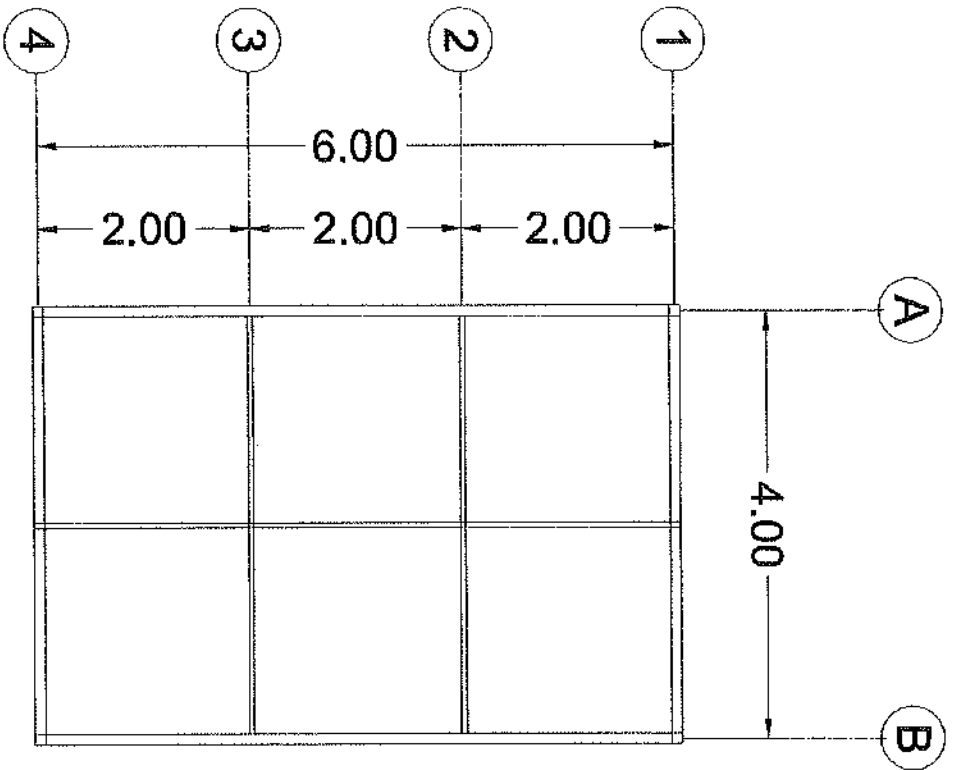
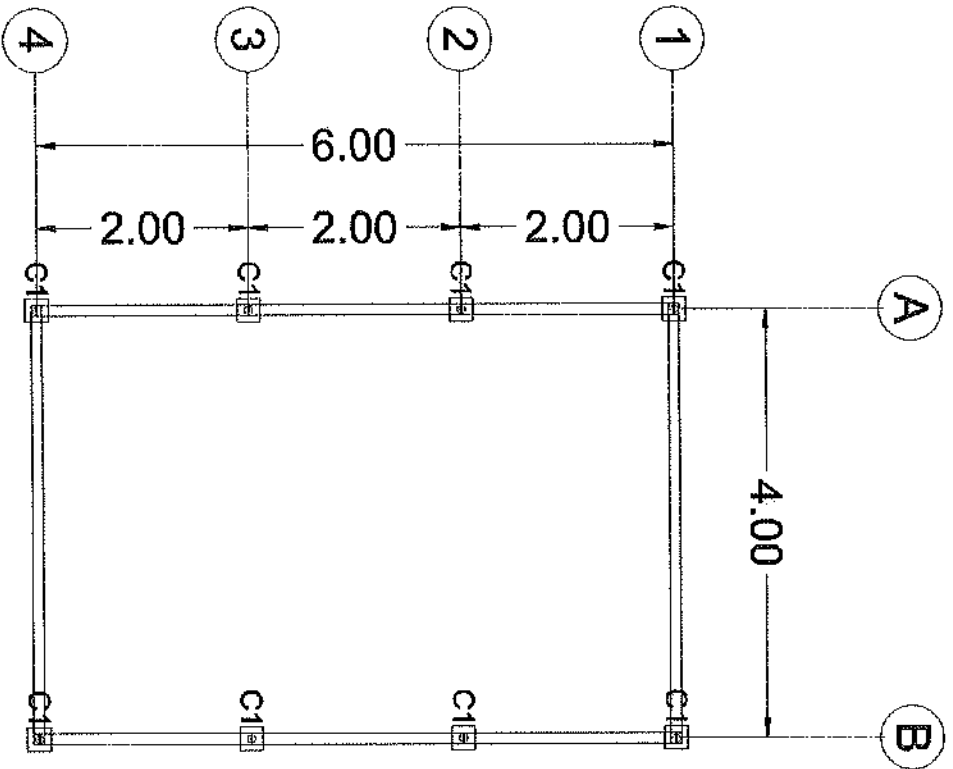
DESIGNER	_____
CHECKER	_____
DATE	_____

PROJECT TITLE	_____
DATE	_____
SCALE	_____

CLIENT	_____
ADDRESS	_____
CONTACT	_____

DATE	_____
SCALE	_____
PROJECT	_____





TURBU KONSTRAK INC.

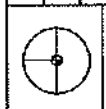
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DATE	_____

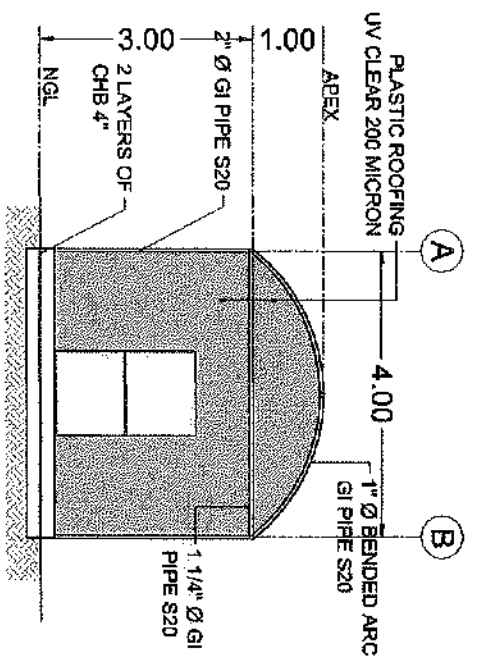
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PROJECT NAME	_____
CLIENT	_____
DATE	_____

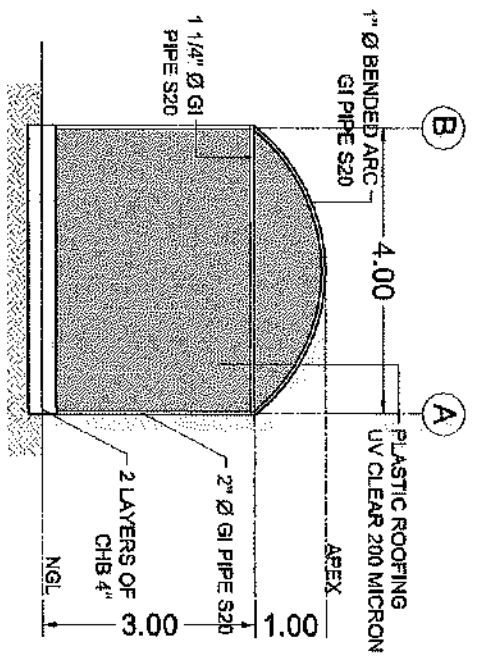
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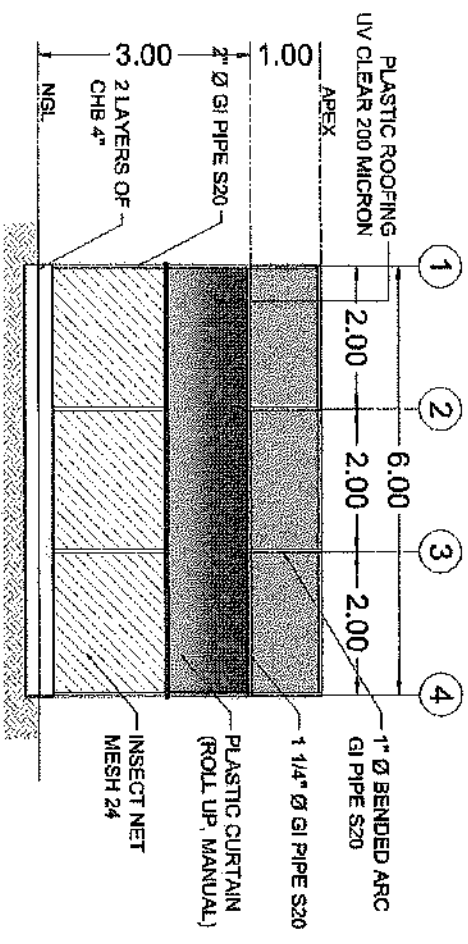




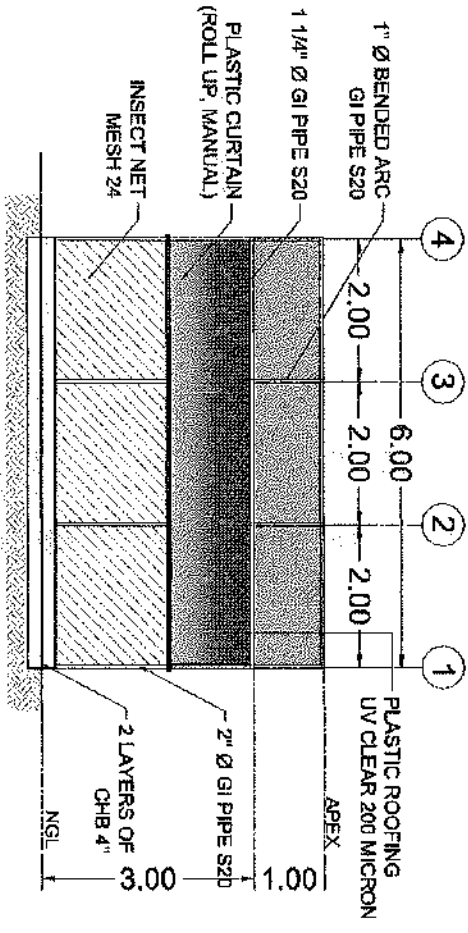
1 SCALE 1:50A  
FRONT ELEVATION



2 SCALE 1:50A  
REAR ELEVATION



1 SCALE 1:50A  
LEFT SIDE ELEVATION



2 SCALE 1:50A  
RIGHT SIDE ELEVATION

**TURBU KONSTRAK INC.**  
TURBU KONSTRUKSI  
INDONESIA

NO. PROJEK	NO. RENCANA
NO. GAMBAR	NO. LEMBAR
NO. REVISI	NO. LEMBAR

PROJEK	NO. PROJEK
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