



KERALA AGRICULTURAL UNIVERSITY
INSTRUCTIONAL FARM, VELLAYANI
THIRUVANANTHAPURAM

No: F4/4425/2022

Dated:09 -03-2023

TENDER NOTICE

Sealed competitive tenders are invited from the firms for the **Installation of solar seed drying unit** (10mx4m) for Instructional Farm, Vellayani as per the terms and conditions detailed below.

Item & Specification

Sl No	Item	Specification	Unit	Quantity
1	Truss Arch	1.25" dia,1.6 mm thick GI Pipe	m	40
2	Purling	0.75" dia,1.6 mm thick GI Pipe	m	50
3	Door	1" dia,1.6mm thick GI Pipe	m	6
4	Platform Frame	2.5"x1.5",1.6 mm thick GI Tube	m	60
5		1.25,1.6mm thick GI square Tube	m	48
6	Wood panel for platform	Using Rub wood panels having 23 mm thickness	Sq.ft	440
7	Rack Frame	1".1.6 mm thick GI square tube	m	286
8	Net for rack	1"square net made using 1.6 mm GI wire	Sq.m	90
9	Poly sheet	15mx9m with U V protection and Anti-Drip propertites,200 micron thickness,5 layer.89% light transmission,55%,light diffusion, with additives incorporated to significantly reduce the damage caused and viral diseases transmitted to the plants by various insect pests.	Sq.m	135



10	Aluminium Profile 0.8 mm	Weight-140g/m (approx.), Double Spring Locking 0.8mm thick, Smooth Edges-(No Damage to Plastic), Flat Bottom,	m	40
11	Zig-Zag Spring	Plastic Coated GI ZIG ZAG Spring 2.2 mm Dia, excellent elasticity, Galvanized wire inside, Polythylene coated for longer life, Uniform extrusion for load distribution.	m	60
12	Foundation	0.3mx0.3mx0.3m,1:2:4 cement concrete pillar with foundation bolts and 10 mm MS plate for fixing the truss as shown in the figure.	Nos	10
13		0.3mx0.3mx0.3m,1:2:4 cement concrete pillar as center support for the platform frame as shown in the figure.	Nos	5
14	Air exhaust system	6" exhaust fan, necessary wiring ,switches,ducts etc..	Set	1
15	Fixing accessories		Lumpsum	
16	Installation, painting, transportation etc...		Lumpsum	

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Cost of Tender Form

Particulars	Cost(Rs.)
Supplies costing above Rs.1,00,000/- to Rs.10 lakh	0.2% of the quoted amount rounded to the nearest multiple of Rs.100/- subject to a minimum of Rs.400/- and maximum of Rs.1,500/- + GST @ 12%

Earnest Money Deposit (EMD): 1% of the cost of item offered.

Last date & time of receipt of tender : 23/03/2023 12.00 Noon.

Date & time of opening of tender : 23/03/2023 2.00 PM



Terms and conditions:

1. The tender should be submitted in the prescribed form which can be downloaded from the website: www.kau.in/tenders.
2. The envelope containing the tender should be superscribed as **Installation of solar seed drying unit** and should be addressed to the Professor and Head, Instructional Farm, Vellayani.
3. Each tender should be accompanied by **Cost of tender forms** and **Earnest Money Deposit (EMD)**. The cost of tender forms is 0.2% of the tender amount (rounded to nearest 100/-, minimum of ₹.400/- and Maximum of ₹.1500/- + GST (12%) as applicable) and Earnest Money Deposit (EMD) is 1% of the cost of item offered. The cost of Tender forms and Earnest Money Deposit (EMD) may be remitted by way of two crossed Demand Drafts separately for tender fee and EMD drawn in favour of the Professor and Head, Instructional Farm, Vellayani payable at SBI, Vellayani.
4. Late and incomplete tenders and tender without EMD, tender fee and agreement will not be accepted.
5. Firms who are exempted from the payment of EMD should furnish copy of the currently valid certificates from Stores Purchase Department, Government of Kerala.
6. The tender should be accompanied by an agreement in Kerala Stamp Paper worth Rs.200/- (Rupees Two hundred only) and format can be downloaded from the above website. Withdrawal of tender after its acceptance or failure to supply the items or not according to the specifications will entail cancellation of tender.
7. The successful tenderer should execute an agreement in Kerala stamp paper worth Rs.200/- (Rupees Two hundred only) and furnish a Security deposit of 5% of the cost of the item quoted in the form of Term Deposit/Bank Guarantee/Demand Draft drawn in favour of the Professor and Head, Instructional Farm, Vellayani payable at the SBI, Vellayani when directed from this office. The format of the agreement can be downloaded from the above website.
8. The item should be delivered at Instructional farm, vellayani and the rate quoted for item should be inclusive of all charges, taxes, loading and unloading charges, if any and should be valid for one year with effect from the date of issue of confirmation.
9. Tenders will be opened in the presence of tenderers who may be present at that time.
10. If the date of opening the tender happens to be a holiday due to unexpected circumstances like bandh, hartal etc. tenders will be opened on the next working day at the same place.
11. The Professor and Head, Instructional Farm, Vellayani has the right to accept or reject any or all of the offers without assigning any reason. The decision of the undersigned in finalizing the tenders will be final and binding.
12. The supply order will be placed subject to the approval of the University and availability of funds.



13. Tenders insisting payment in advance either full or part are liable for rejection.
14. On acceptance, the supply order will be placed and invoice should be addressed to the Professor and Head, Instructional Farm, Vellayani.
15. The item should be supplied within 3 weeks from the date of receipt of supply order.
16. Payment as per the invoice will be made only after the supply of the item as per specifications and tenderer is liable to replace the defective articles/rectify the defective item immediately on receipt of intimation.
17. The EMD/Security Deposit furnished will be forfeited in case the contract is not fulfilled as per the terms and conditions mentioned in the tender notice and agreement.
18. All rules and regulations applicable to Government tenders will be applicable to this tender also.

Sd/-

PROFESSOR AND HEAD

Copy to: Dr. Sheena.A, Assistant Professor/Sri. Safer M M Assistant Professor
Smt. Babitha Bhaskar P, Farm Manager Gr.I/ Spare
pro@kau.in / web@kau.in / dis@kau.in


SECTION OFFICER

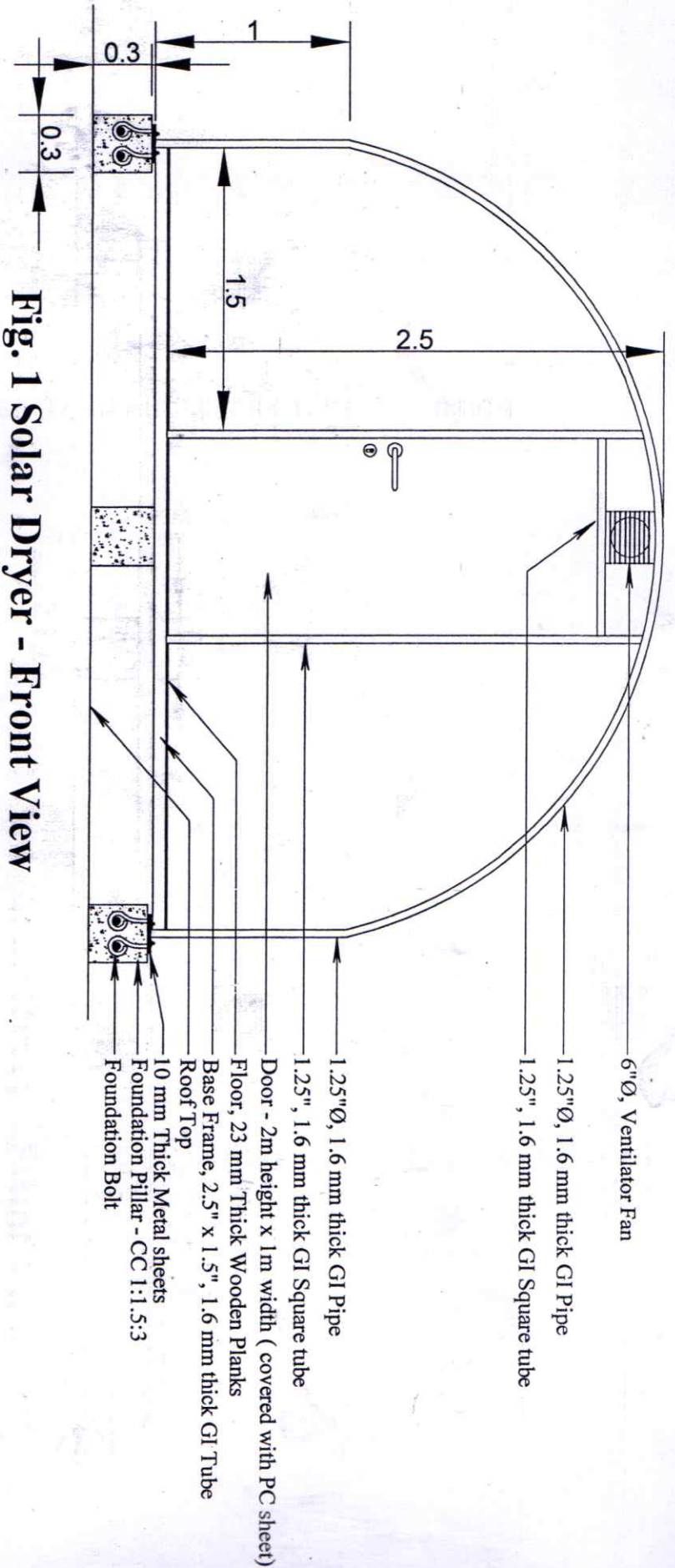


Fig. 1 Solar Dryer - Front View

Designed by: Dr. Joe Joe L Boyas, Dept. of Agrl. Engg., College of Agriculture Vellayani	Ref: f4/4196/22
Designed for: Instructional Farm, College of Agriculture Vellayani	
Designed verified and approved by: Dr. Anil K R Professor and Head, Dept. of Agrl. Engg., College of Agriculture Vellayani	

All Dimension in m

PRODUCED BY AN AUTODESK STUDENT VERSION

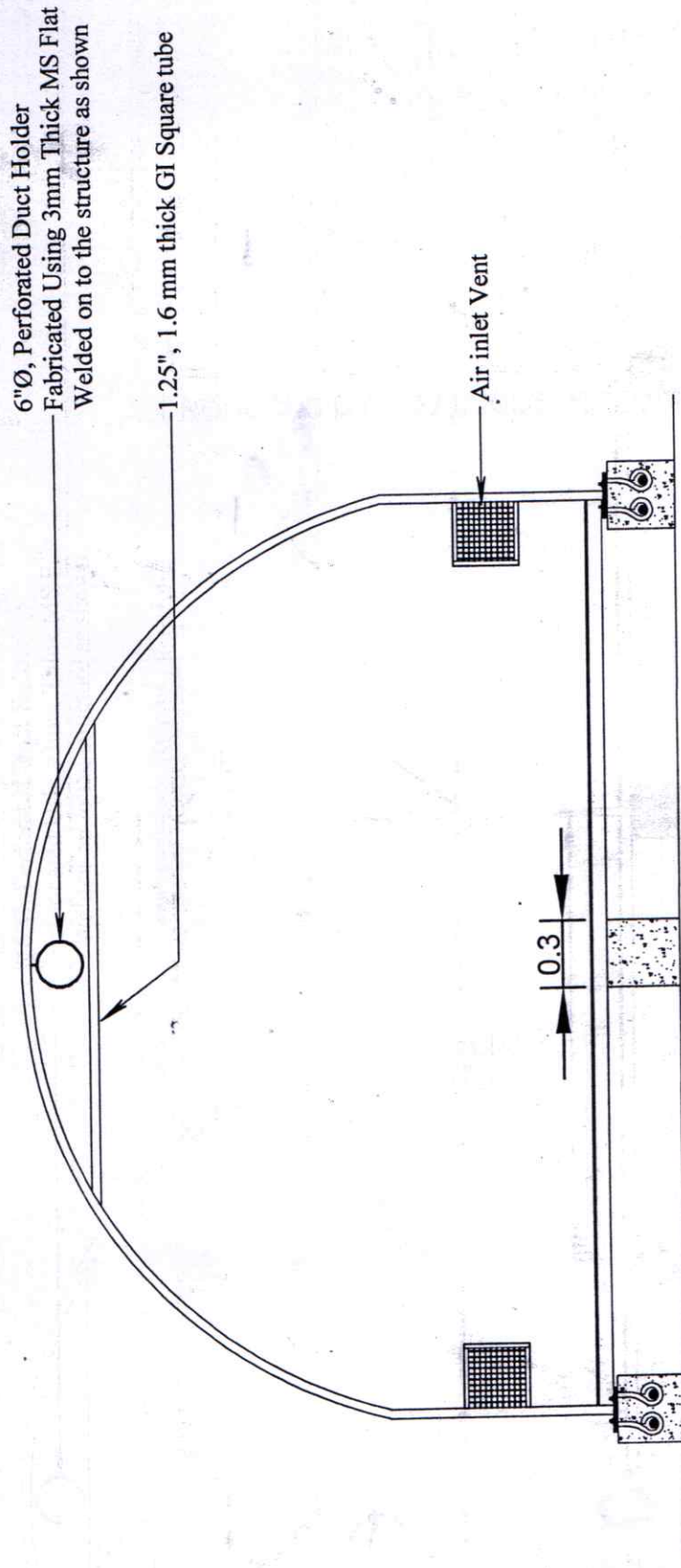


Fig. 2 Solar Dryer - Rear View

All Dimension in m

Reff: f4/4196/22

Designed by: Dr. Joe L Bovas, Dept. of Agrl. Engg., College of Agriculture Vellayani

Designed for: Instructional Farm, College of Agriculture Vellayani

Designed verified and approved by: **Dr. Anil K R**
Professor and Head,
Dept. of Agrl. Engg.,
College of Agriculture Vellayani

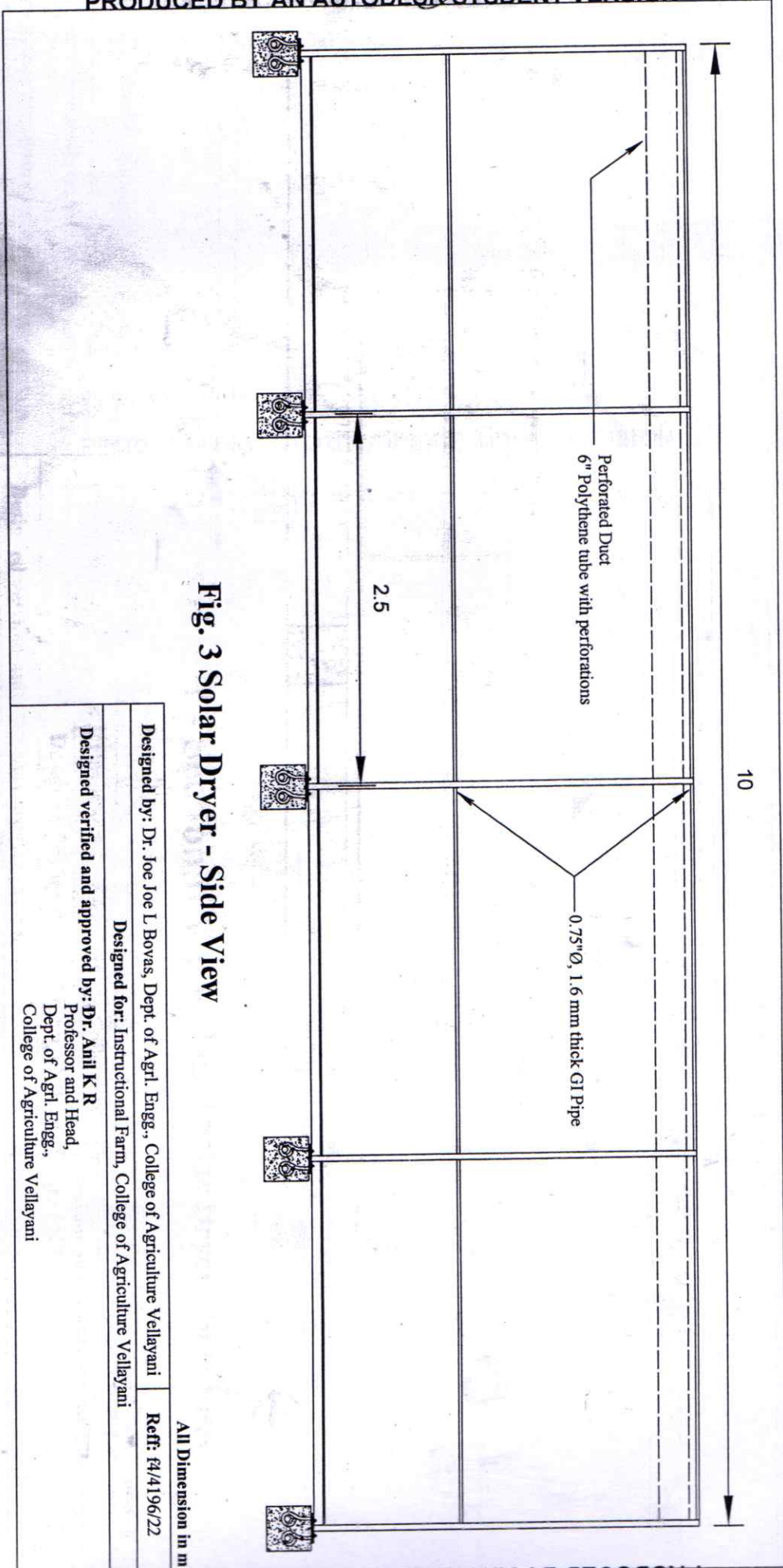


Fig. 3 Solar Dryer - Side View

All Dimension in m

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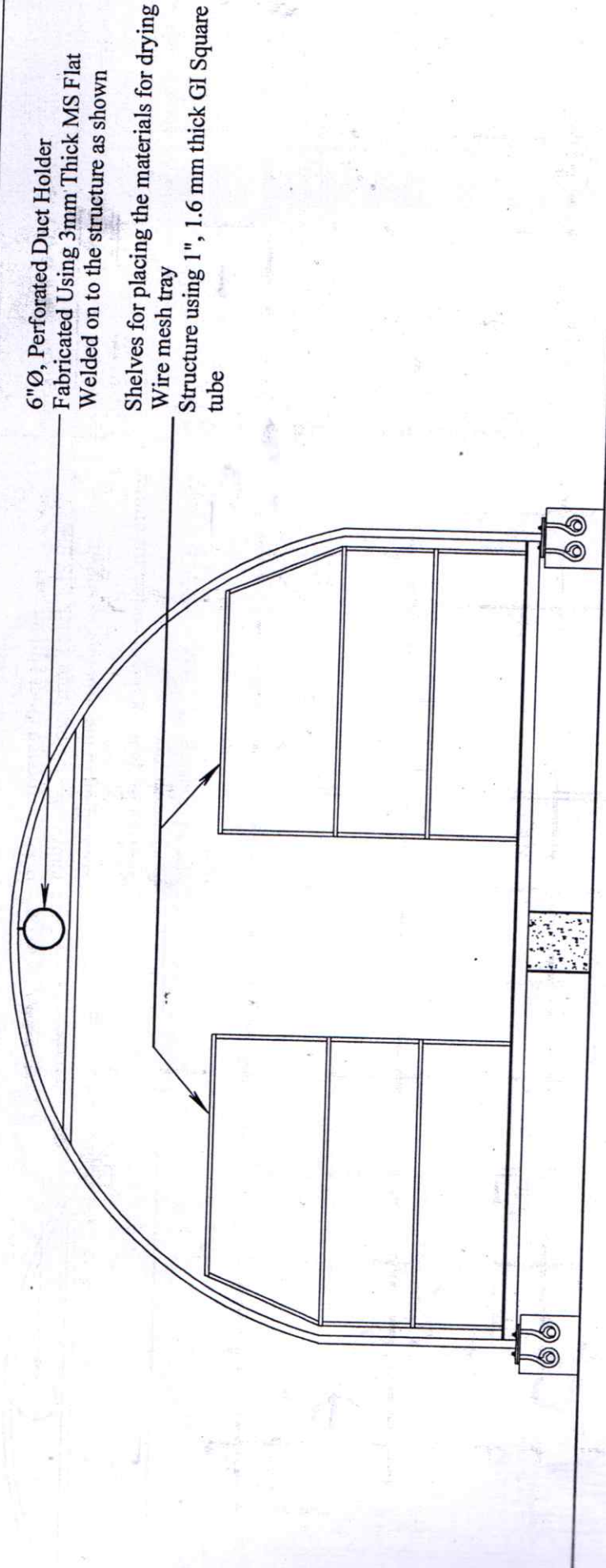


Fig. 4 Solar Dryer - Sectional View

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Designed by: Dr. Joe L Bovas, Dept. of Agrl. Engg., College of Agriculture Vellayani	All Dimension in m
Designed for: Instructional Farm, College of Agriculture Vellayani	Reff: f4/4196/22
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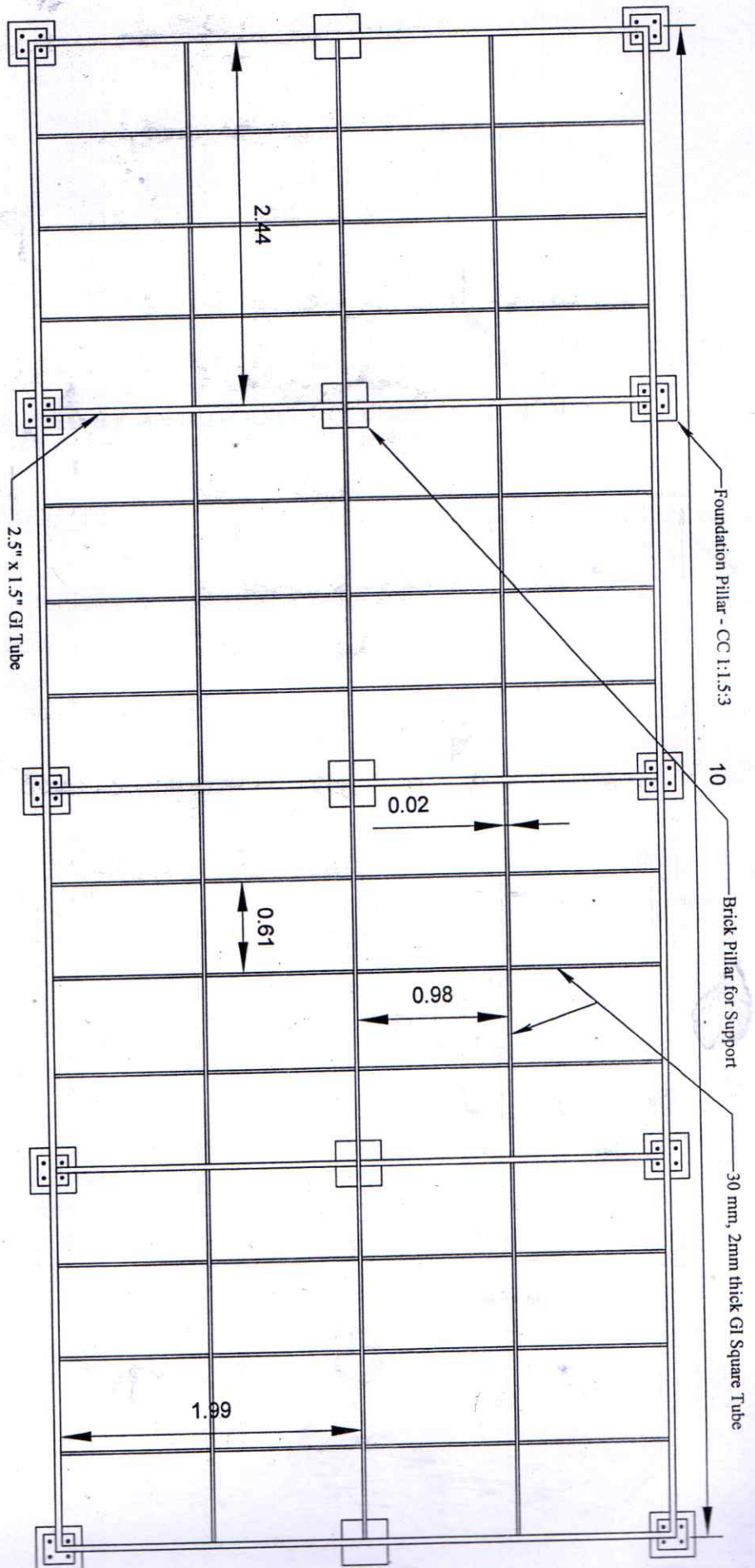


Fig. 5 Solar Dryer - Base Frame

Designed by: Dr. Joe Joe L. Bovas, Dept. of Agri. Engg., College of Agriculture Vellayani

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Designed and approved by: Dr. Anil K R
Professor and Head,
Dept. of Agri. Engg.,
College of Agriculture Vellayani

All Dimension in