

 **PROJECT**

COMMUNITY LED PROJECTS

AL HODEIDAH GOV. - YEMEN

FUNDED BY



YHF Yemen
Humanitarian
Fund

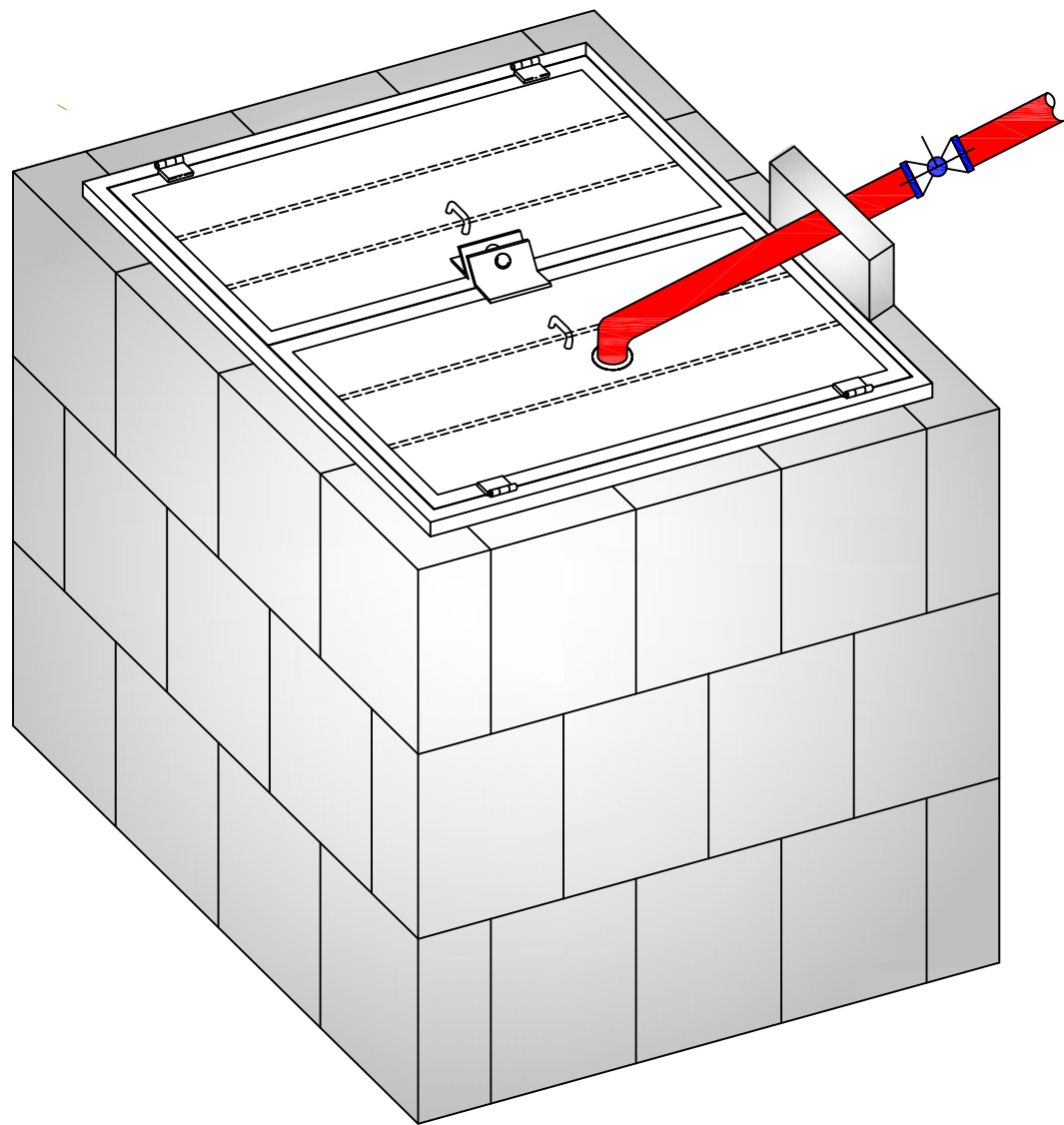
PREPARED BY:



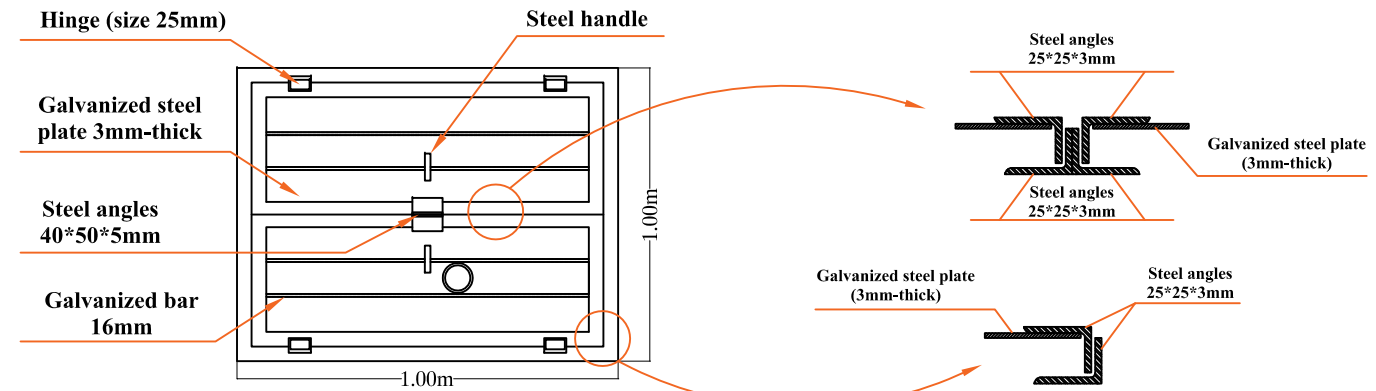
Deem
For Development Organisation
منظمة دعم التنمية

DRAWINGS

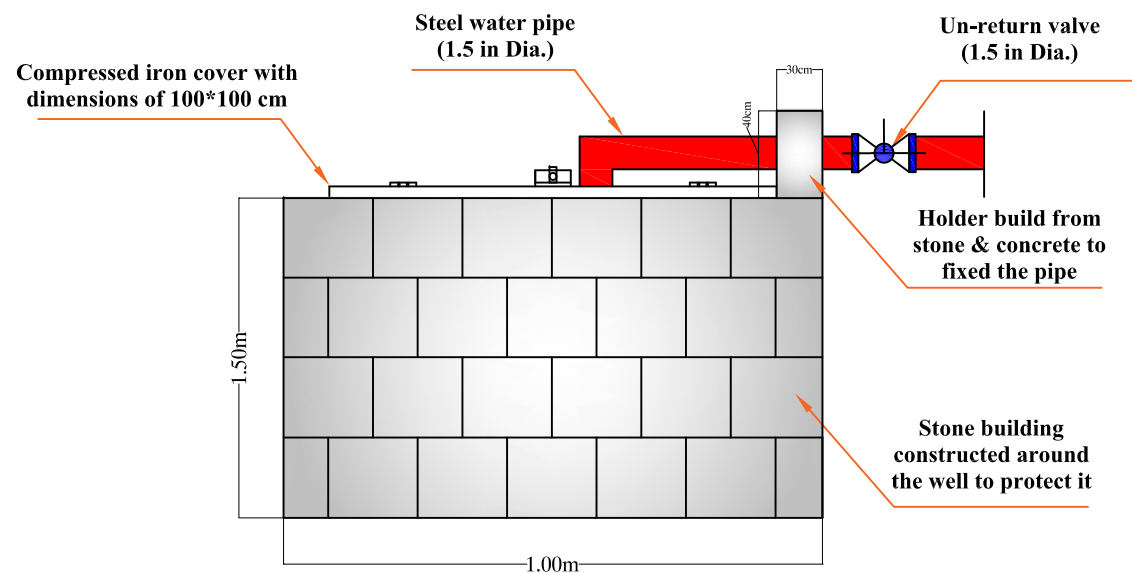
APRIL 2025



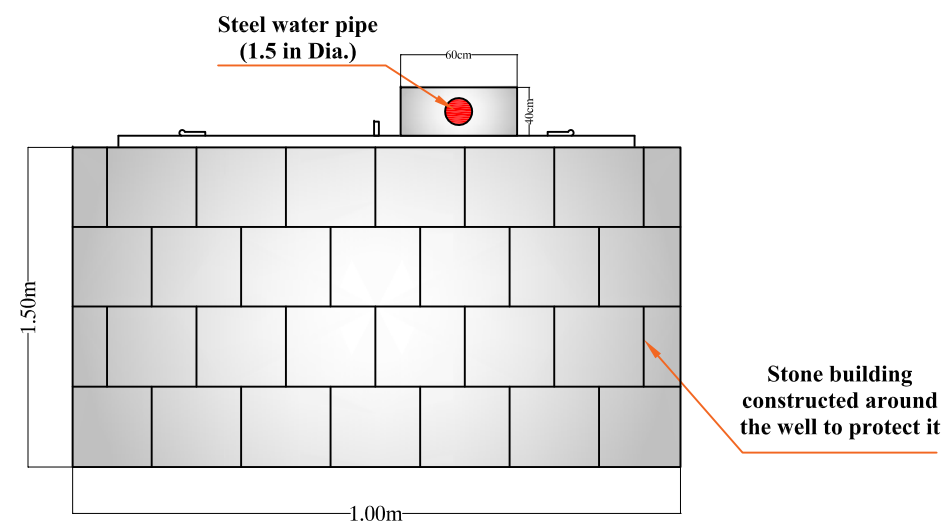
3D Model



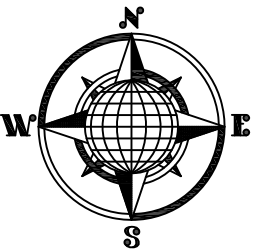
Well Cover Details



Side View



Back View



HATCHING KEY PLAN

Symbol	Description
	Ashlars masonry
	Masonry paving
	Mass concrete
	Reinforcement concrete
	Plain concrete
	Compacted gravel
	Soil

PROJECT NO.1

DEEM - CCCM

APRIL 2025

PREPARED BY

D1

WELL PROTECTION DETAILS



FUNDED BY



Legend :

Designed & Drawing by:
Project Engineer

Date

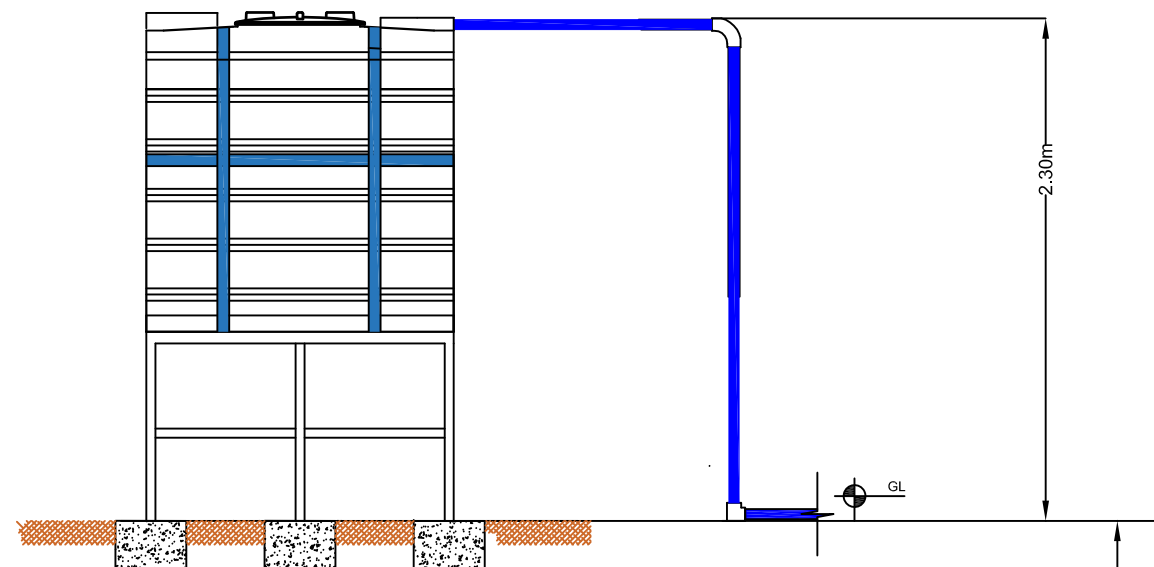
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Approve

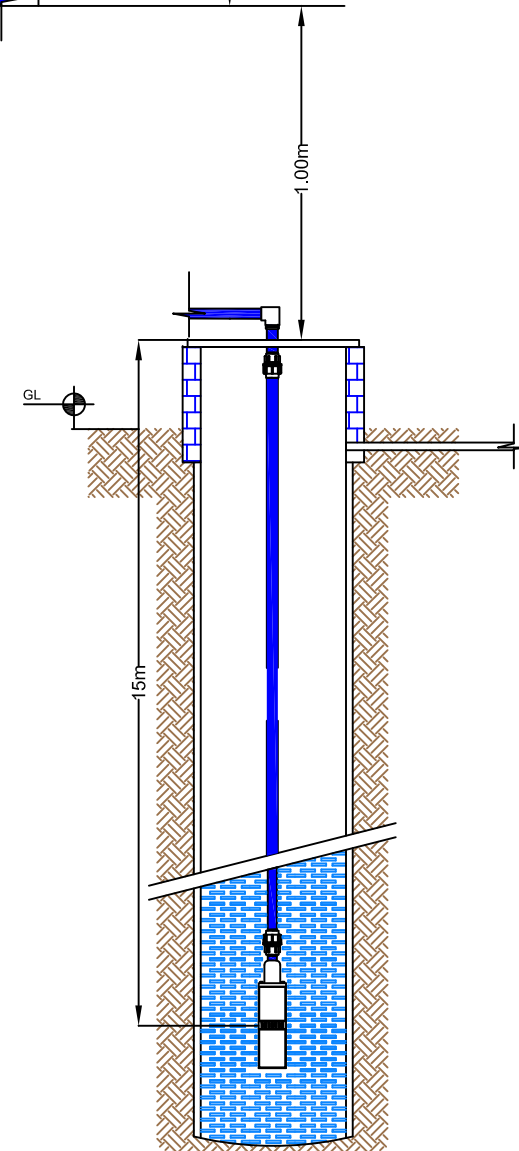
PROJECT

COMMUNITY LED PROJECTS

AL KHUKHAH DISTRICT AL HODEIDAH GOV. - YEMEN

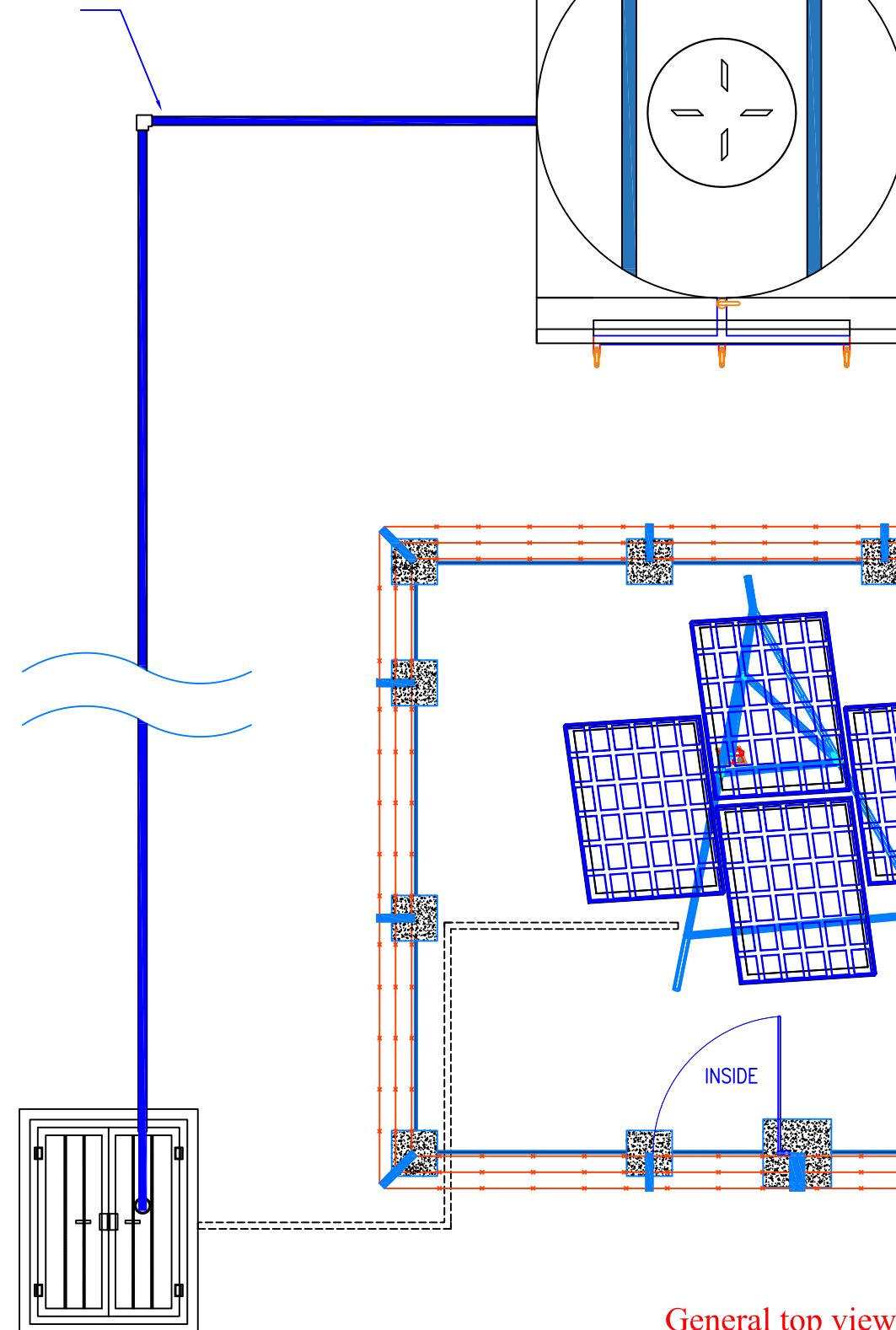


Lifting Head



Well section

The total horizontal distance for the polyethylene pipe 40 m



General top view

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DEEM - CCCM

APRIL 2025

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D2

GENERAL VIEW FOR THE PROJECT COMPONENTS



FUNDED BY



Legend :

Designed & Drawing by:

Project Engineer

Date

Checked

Approve

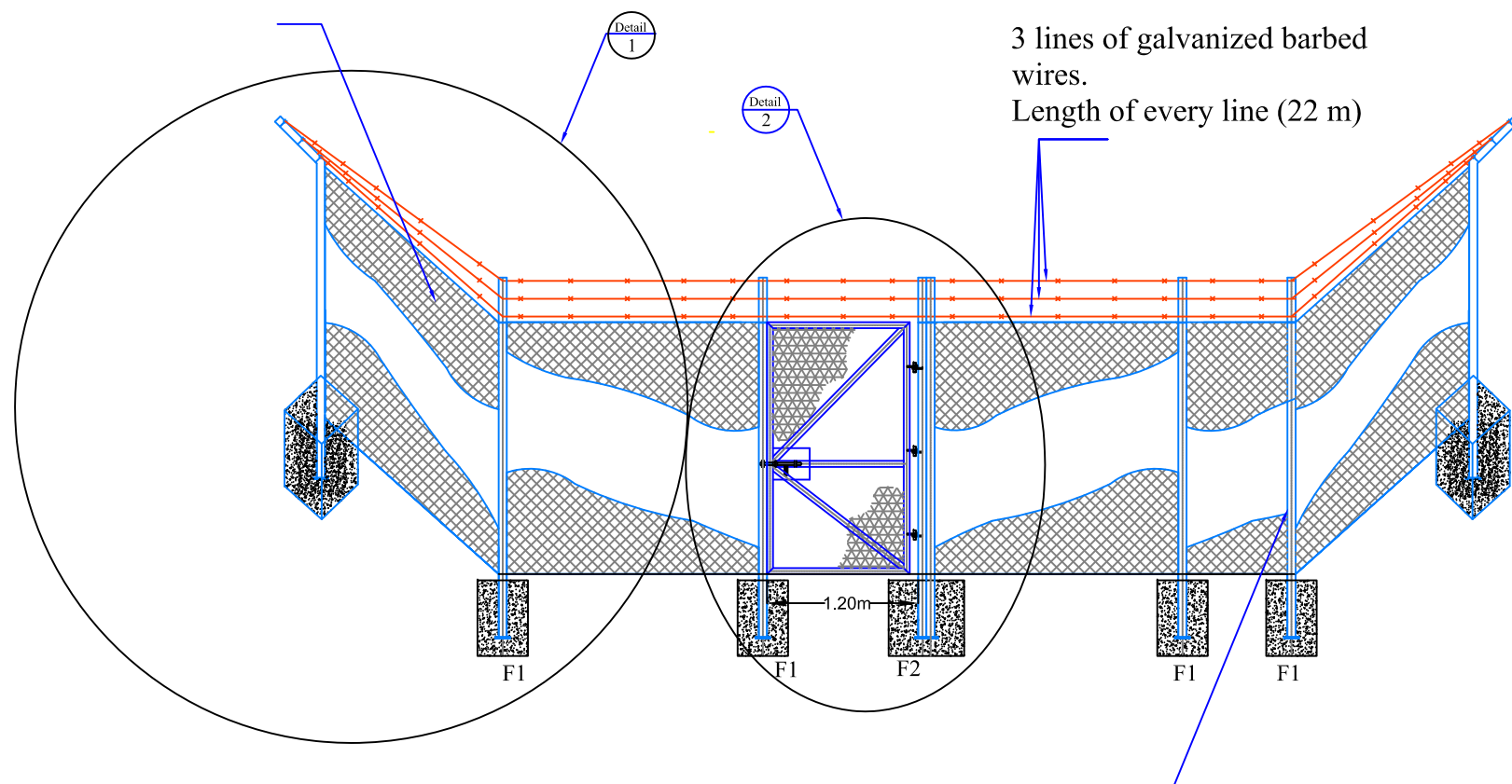
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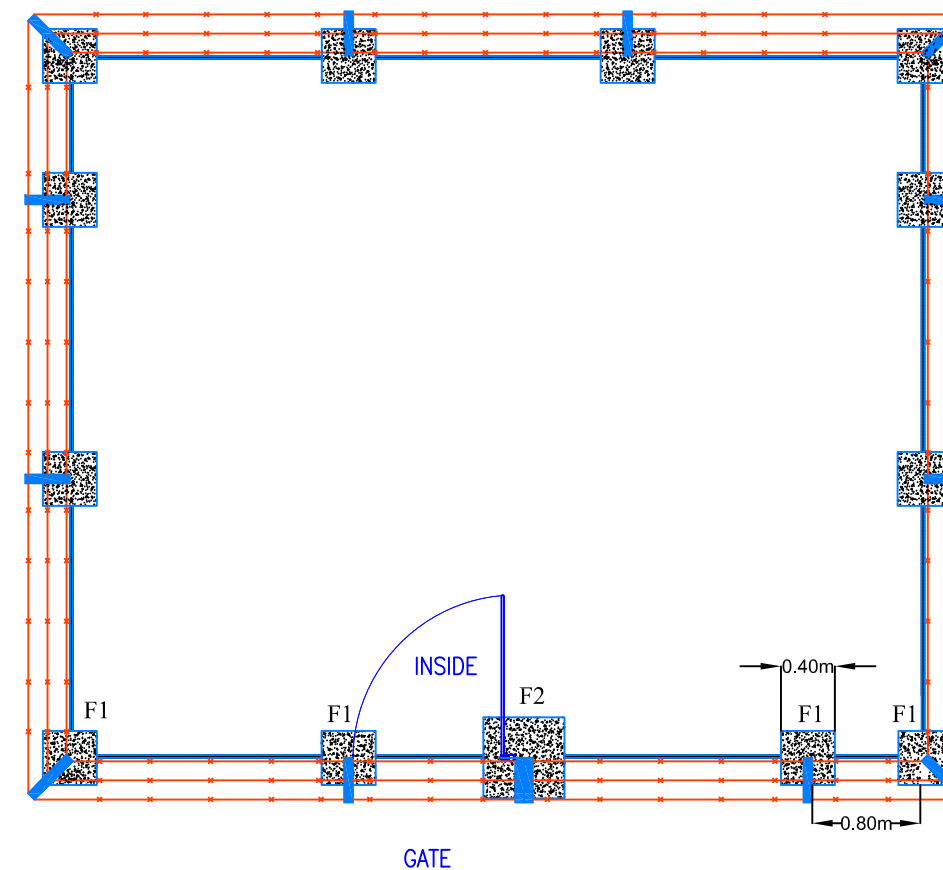
Steel mesh plate, (2 meter-high & 1.5 mm thick and 20 meter length)
Coated by one layer of weather shield paint



3 lines of galvanized barbed wires.
Length of every line (22 m)

Un-solid galvanized /or anticorrosion iron pipes
Dim. (2 inch Diameter, 2.5 mm thickness, 3 meter-high)
Coated by one layer of weather shield paint)

Fence - Front View



Fence - Top view

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DEEM - CCCM

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D3

SECURITY FENCE PROJECTIONS VIEW



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Legend :

Designed & Drawing by:

Project Engineer

Date

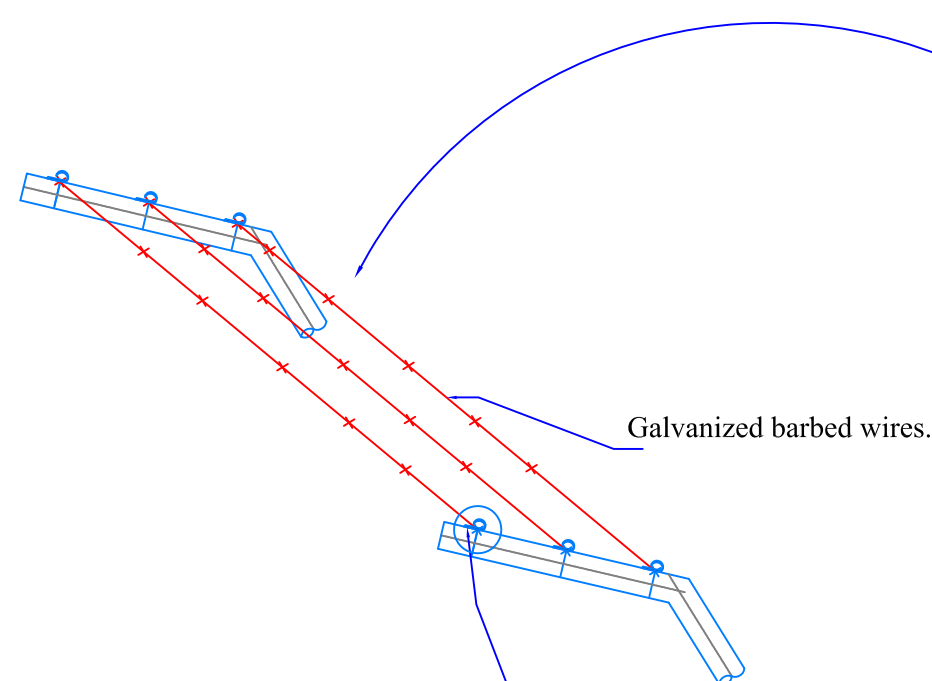
Checked

Approve

PROJECT

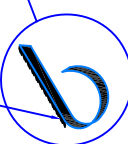
COMMUNITY LED PROJECTS

AL KHUKHAH DISTRICT AL HODEIDAH GOV. - YEMEN

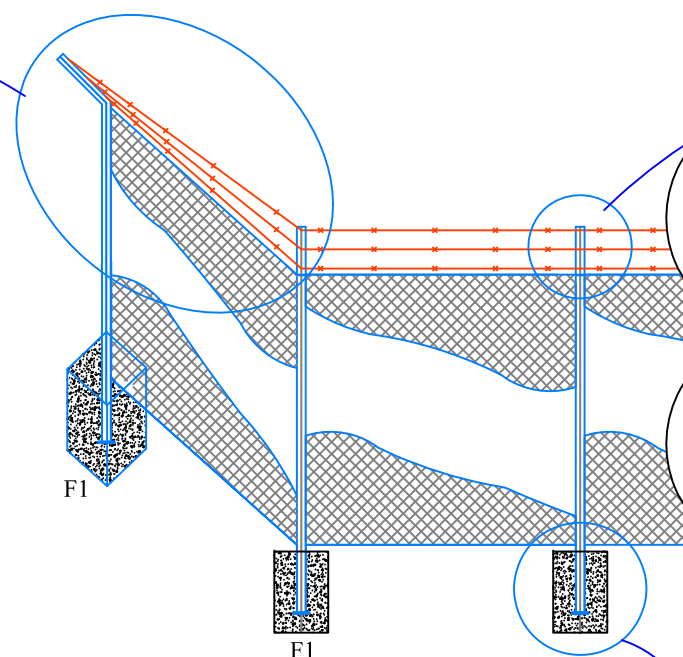


Galvanized barbed wires.

Welded to the pipe



Iron solid rectangular section to fix the (Barbed wires and the chain link)
Dim. (1.3 cm-width, 5 cm-length and 3 mm thickness)
Coat by one layer of read primer paint and one layer of weather shield paint.

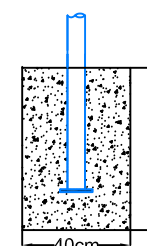


F1

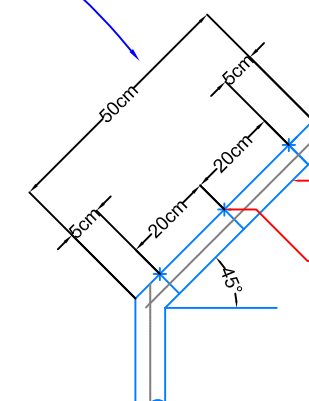
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F1

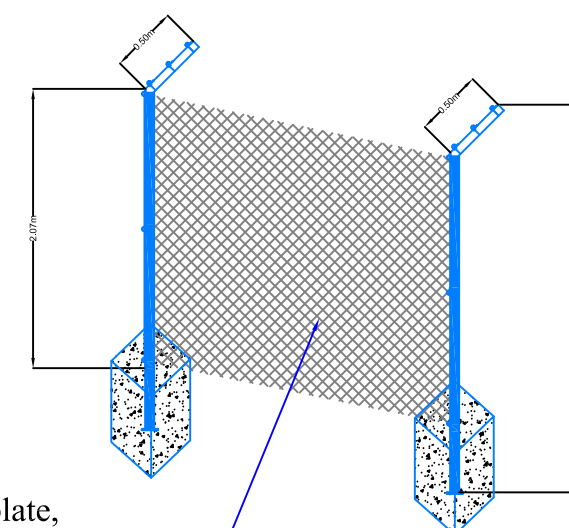
Detail (1)



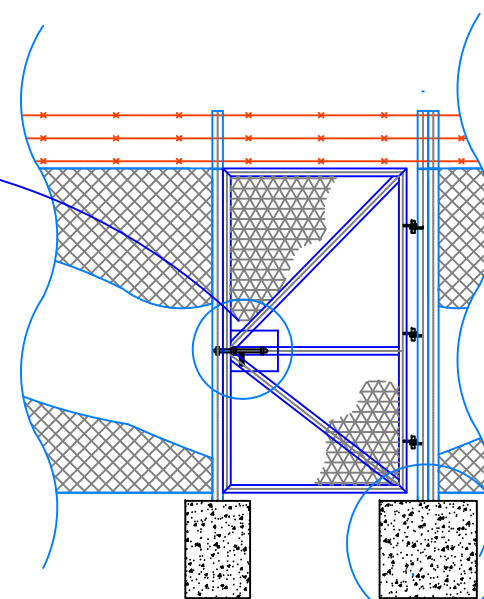
Concrete footings (40x40x60 cm),
concrete class is (C20).



Un-solid galvanized /or anticorrosion iron pipes
Galvanized barbed wires.

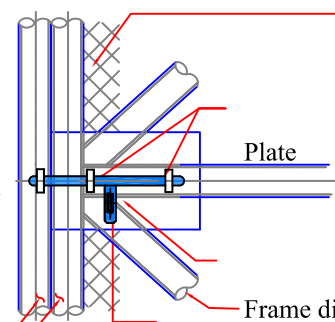


Steel mesh plate,
(2 meter-high & 1.5
mm thick and 20 meter
length)
Coated by one layer of
weather shield paint



Detail (2)

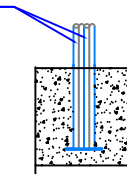
Un-solid galvanized /or anticorrosion iron
pipes
Dim. (2 inch Diameter, 2.5 mm thickness,
3 meter-high)
Coated by one layer of weather shield
paint)



Steel mesh plate, (1.2 meter
-width, 2 meter-high & 3
mm thick)
Coated by one layer of
weather shield paint)

Plate
Frame diagonal support,
galvanized pipes,
Dim.(2 inch Diameter,
2.5 mm thickness)

Un-solid galvanized /or
anticorrosion iron pipes
Dim. (2 inch Diameter,
2.5 mm thickness,
3 meter-high)
Coated by one layer of
weather shield paint)



Concrete footings (60x60x60 cm),
concrete class is (C20).

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DEEM - CCCM

APRIL 2025

PREPARED BY

D4

SECURITY FENCE DETAILS VIEW



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YHF
Yemen
Humanitarian
Fund

Legend :

Designed & Drawing by:

Project Engineer

Date

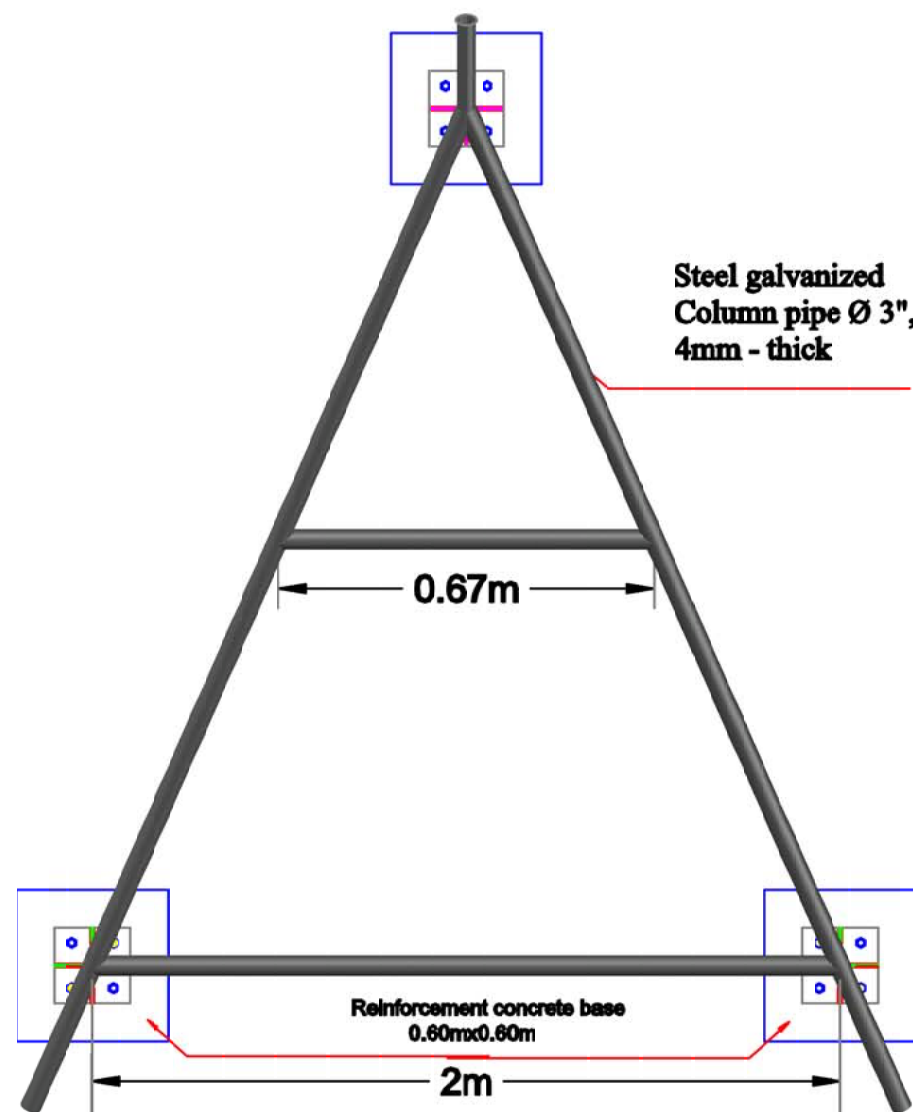
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Approve

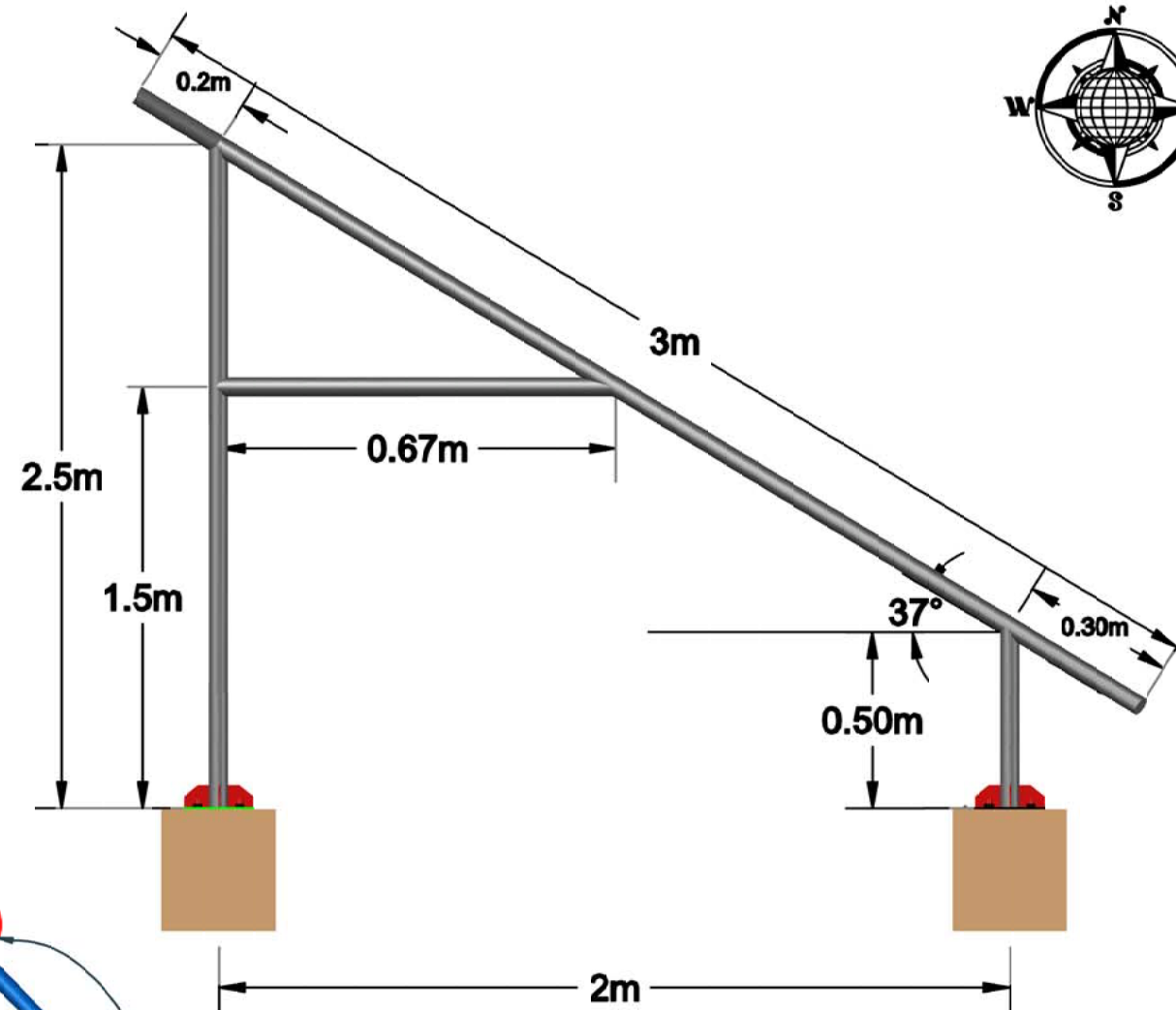
PROJECT

COMMUNITY LED PROJECTS

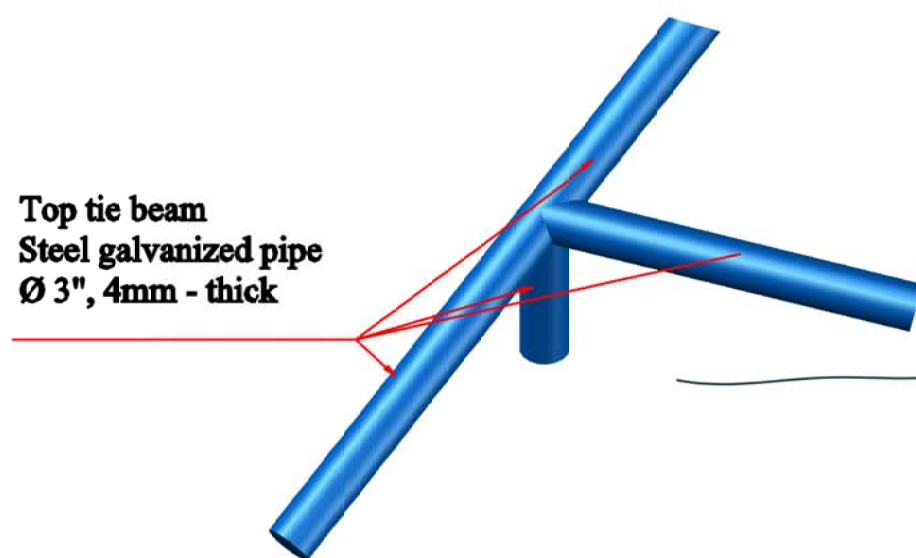
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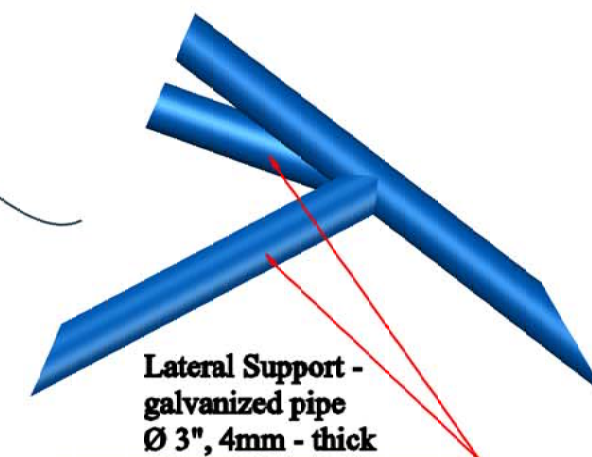
Panels Base - Front View



Panels Base - Side View



Panels Base - 3D Model



Lateral Support - galvanized pipe Ø 3", 4mm - thick

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DEEM - CCCM

APRIL 2025

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D5

PANELS STEEL BASE



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YHF Yemen Humanitarian Fund

Legend :

Designed & Drawing by:

Project Engineer

Date

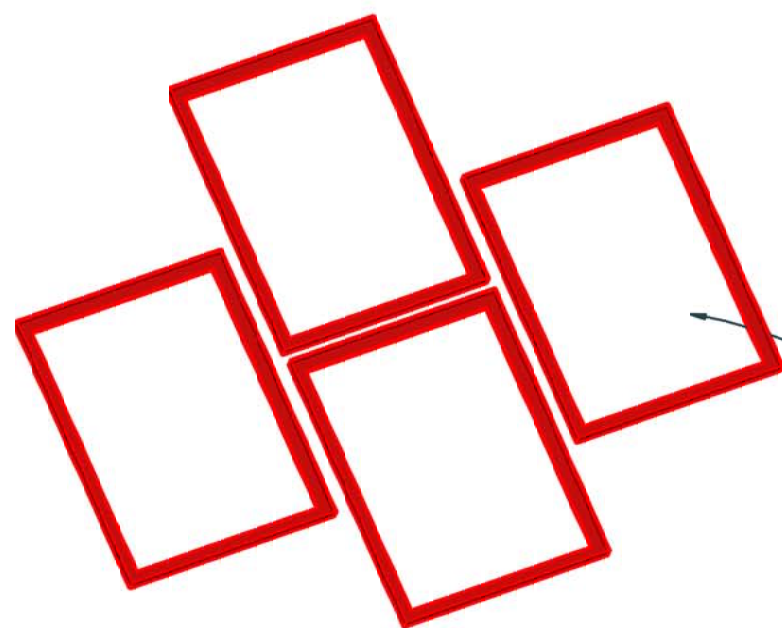
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Approve

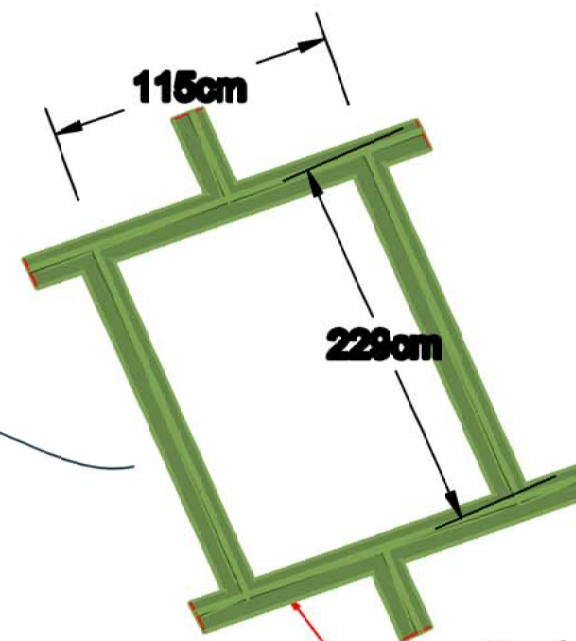
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COMMUNITY LED PROJECTS

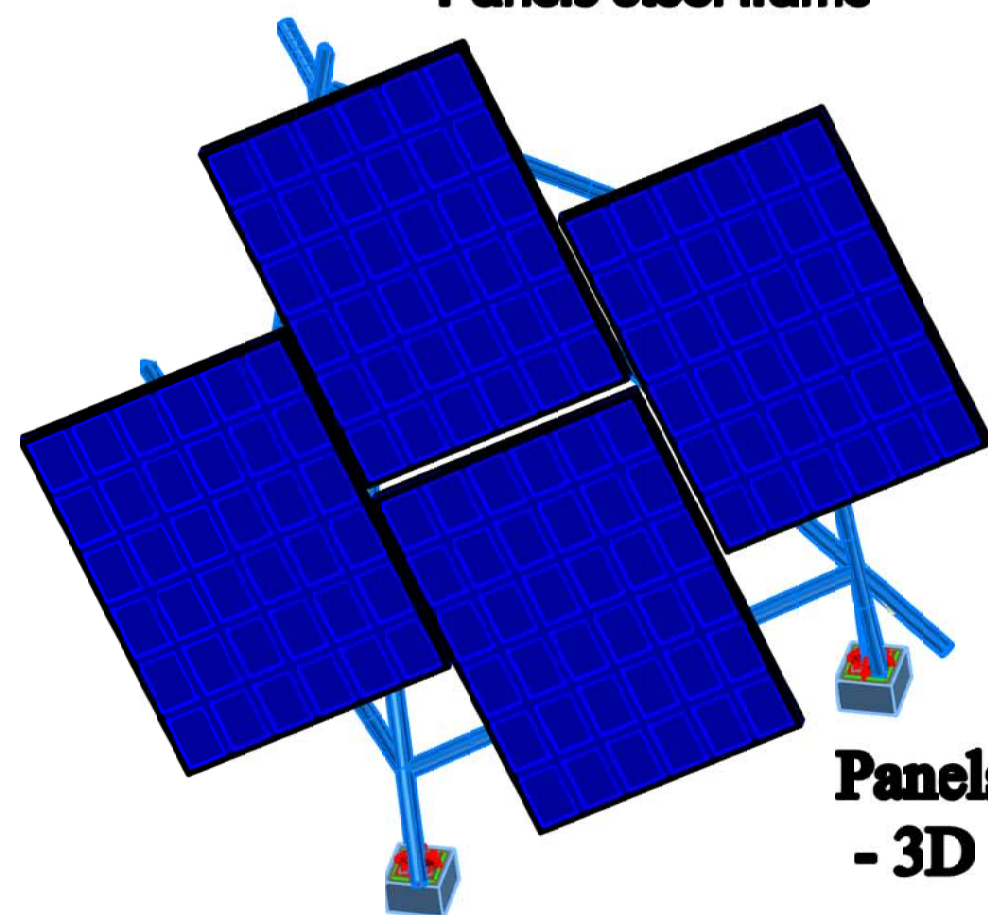
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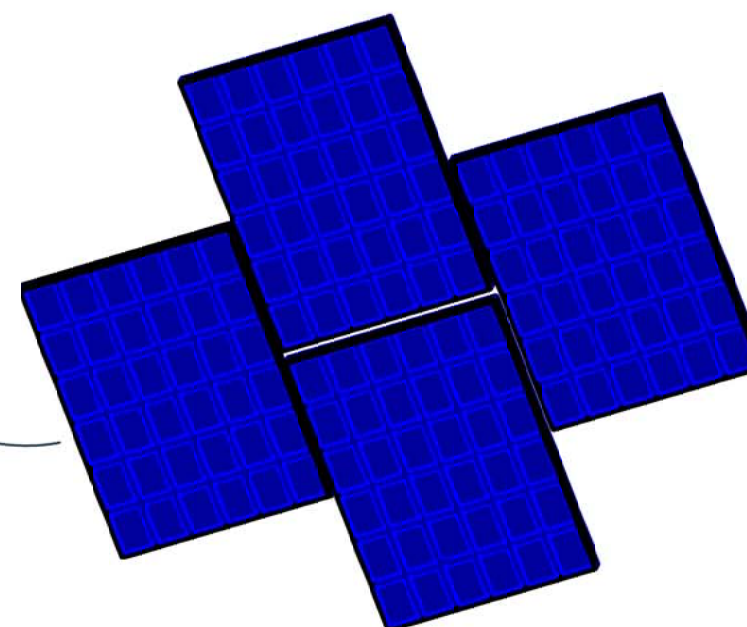
Panels steel frame



**Steel L-section , 2 in & 5mm - thick
Coat by one layer of red primer paint
and one layer of weather shield paint.**



**Panels Base
- 3D View**



**Poly-Crystalline solar panels ,
Dim. (2274x1134x35 mm) , P. max 500Wp**

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D6

PANELS STEEL BASE



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Legend :

Designed & Drawing by:

Project Engineer

Date

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PROJECT

COMMUNITY LED PROJECTS

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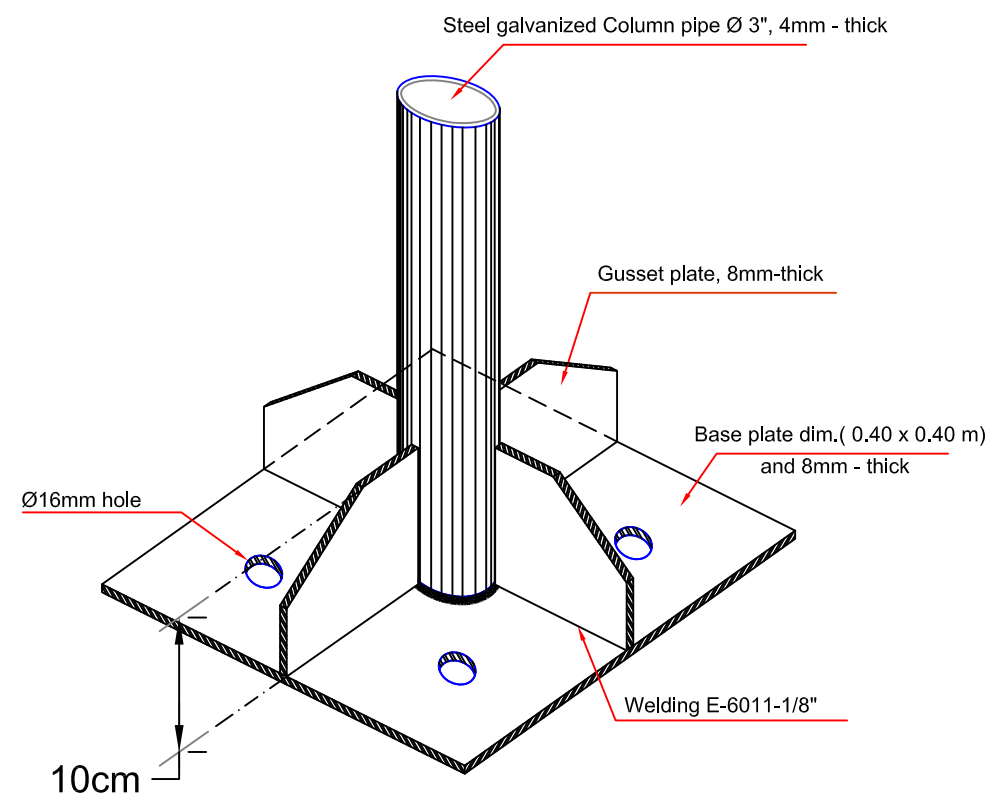
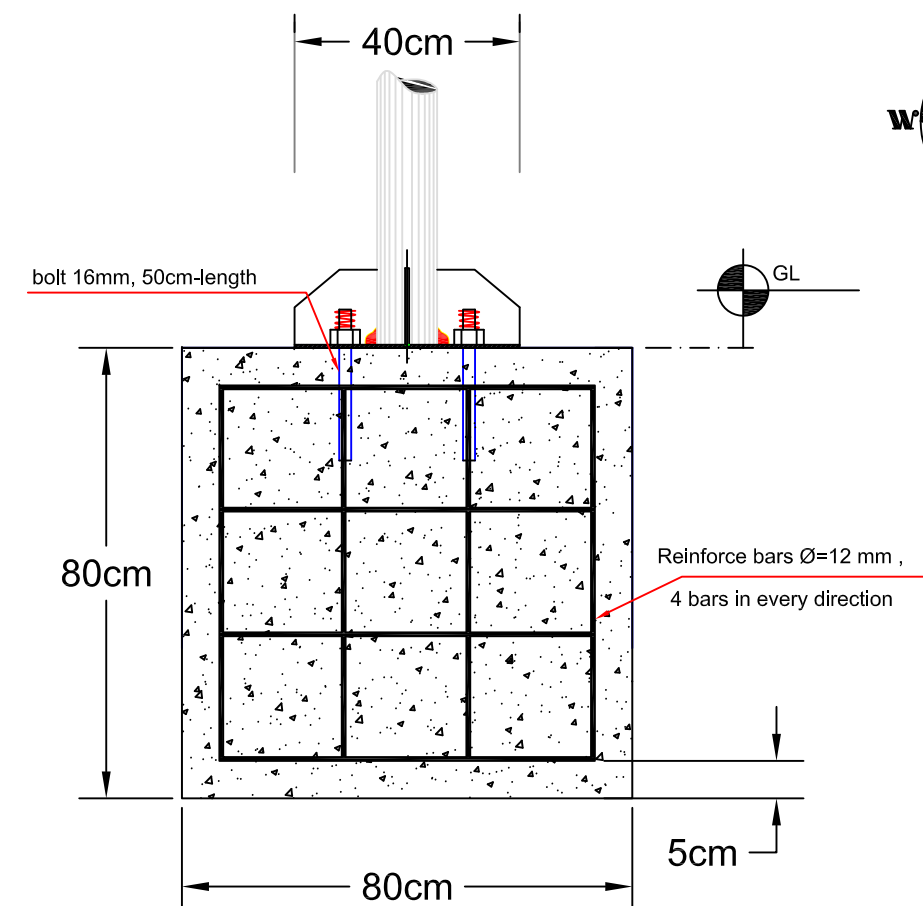
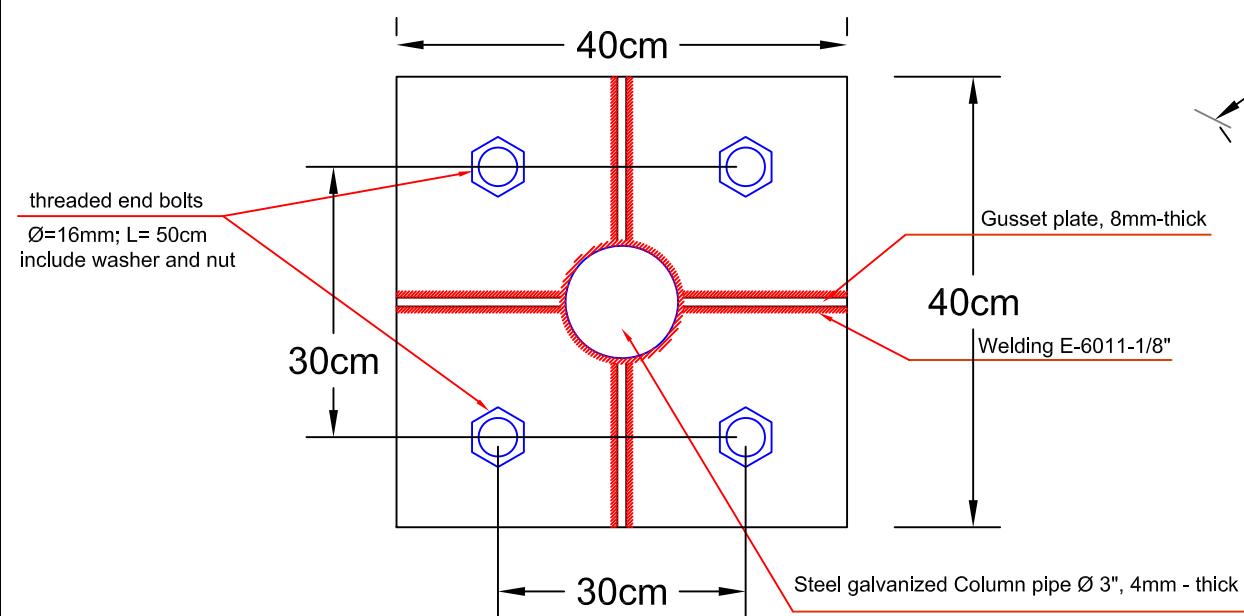


Diagram of a Gusset plate with dimensions:

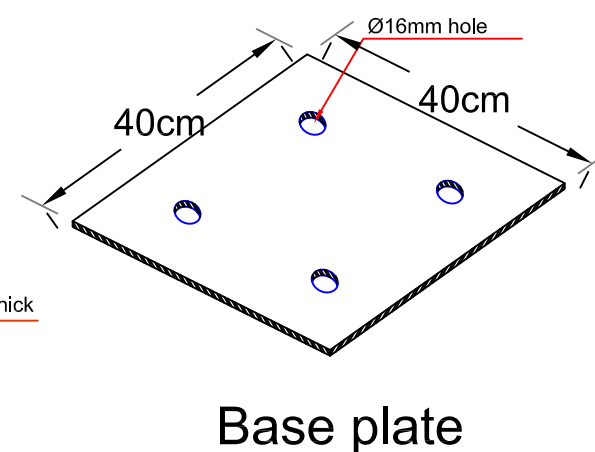
- Top horizontal dimension: 8cm
- Top sloped dimension: 11cm
- Bottom horizontal dimension: 16cm
- Right vertical dimension: 7cm
- Right vertical dimension (total): 15cm
- Plate thickness: 3/8" plate



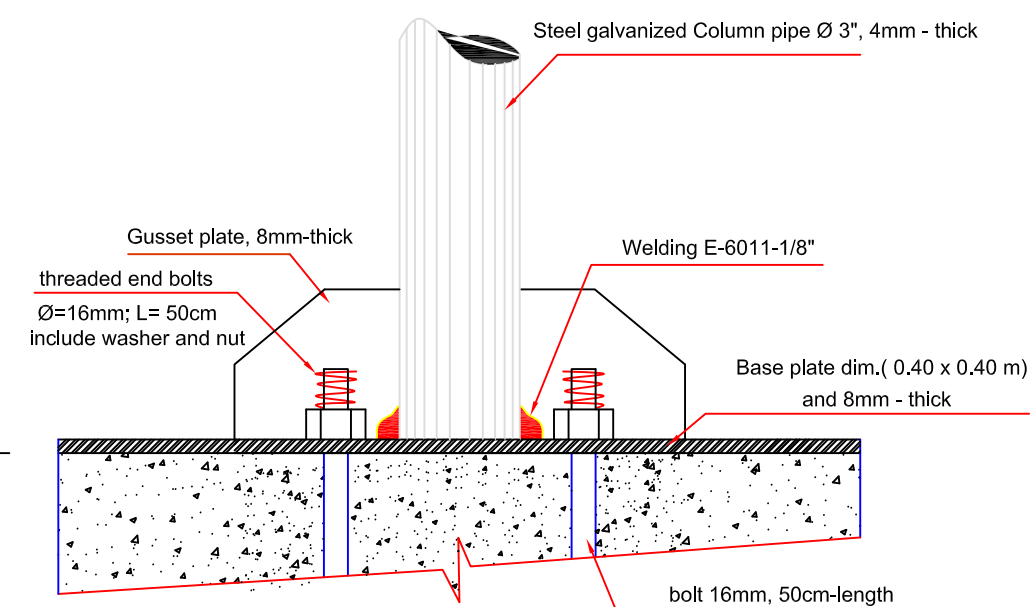
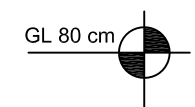
Reinforcement concrete base



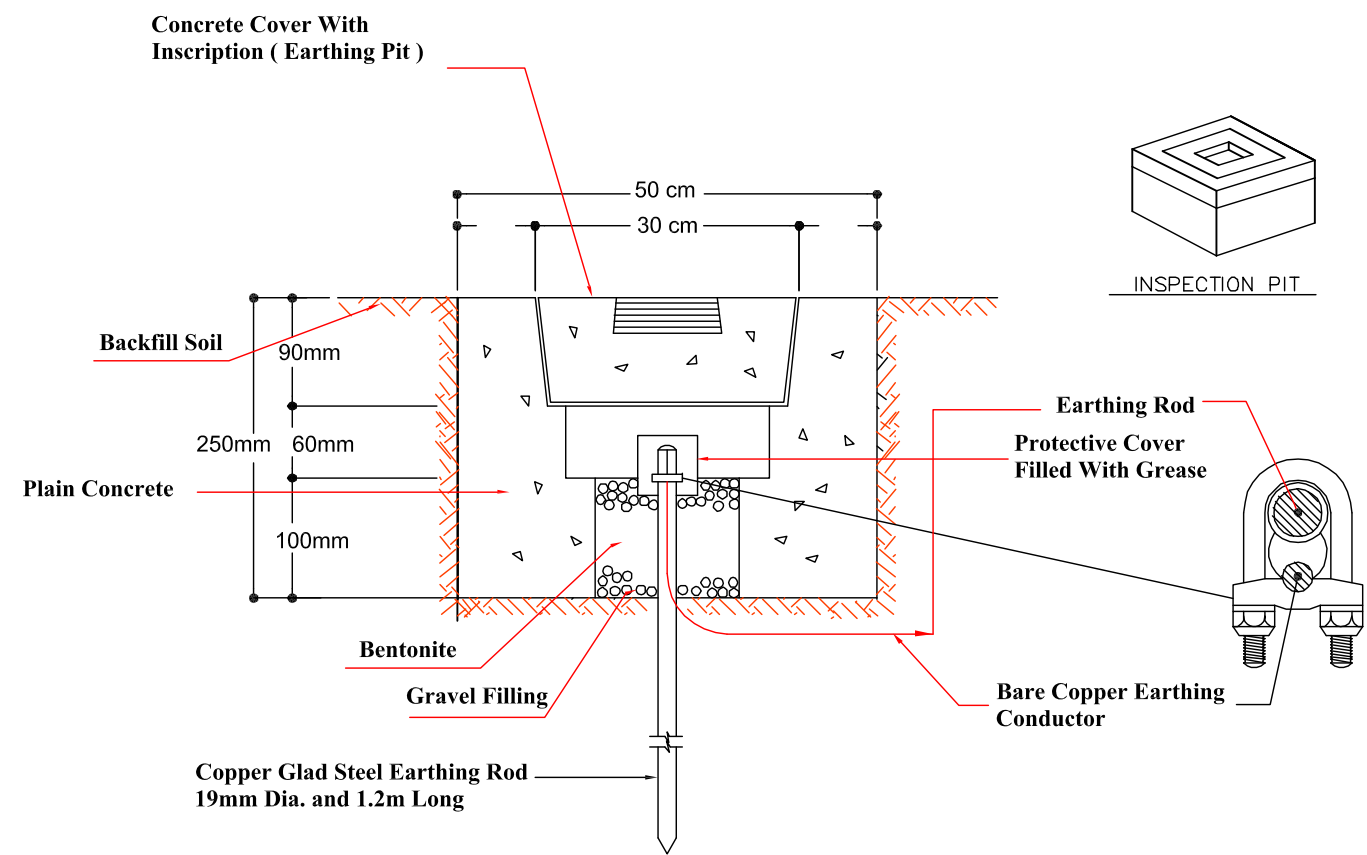
Top View



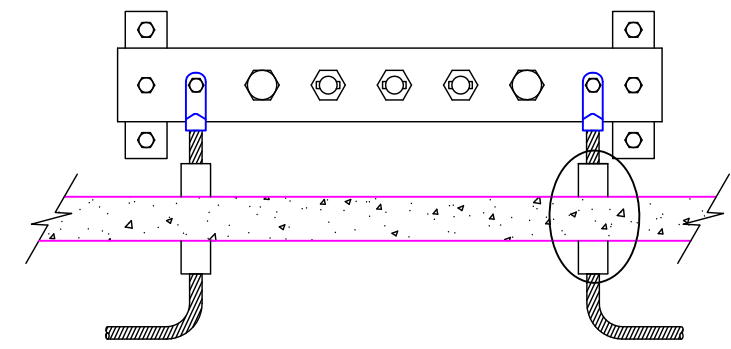
Base plate



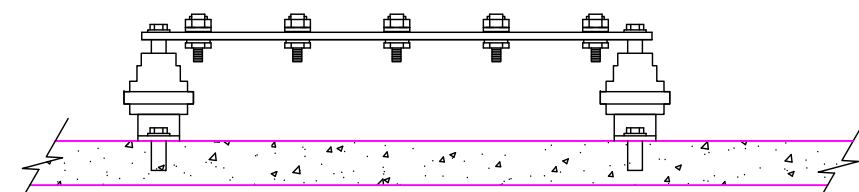
Steel Pipe Column



Earthing Pit Details

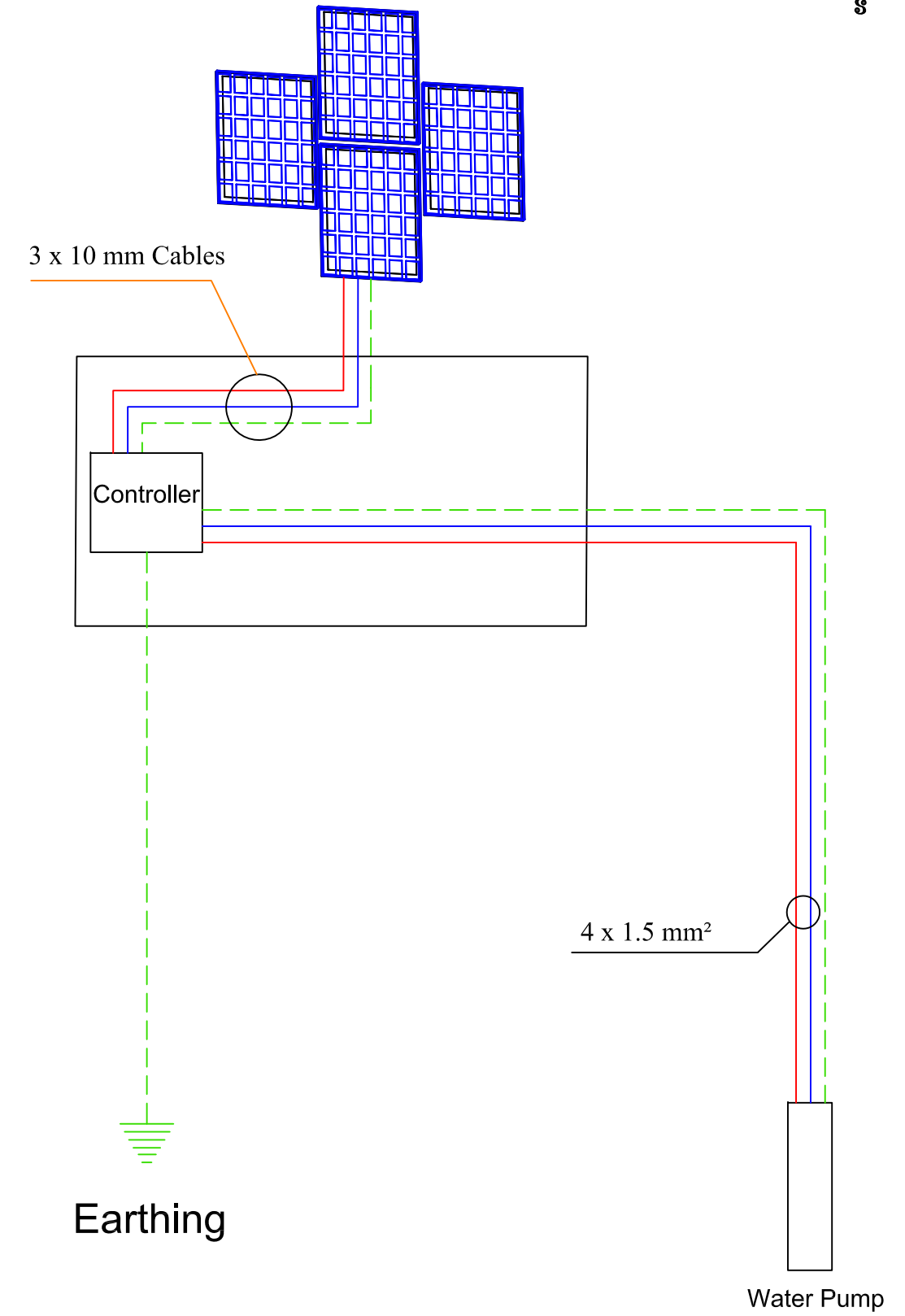


FRONT VIEW



SIDE VIEW

EARTHING BUSBAR

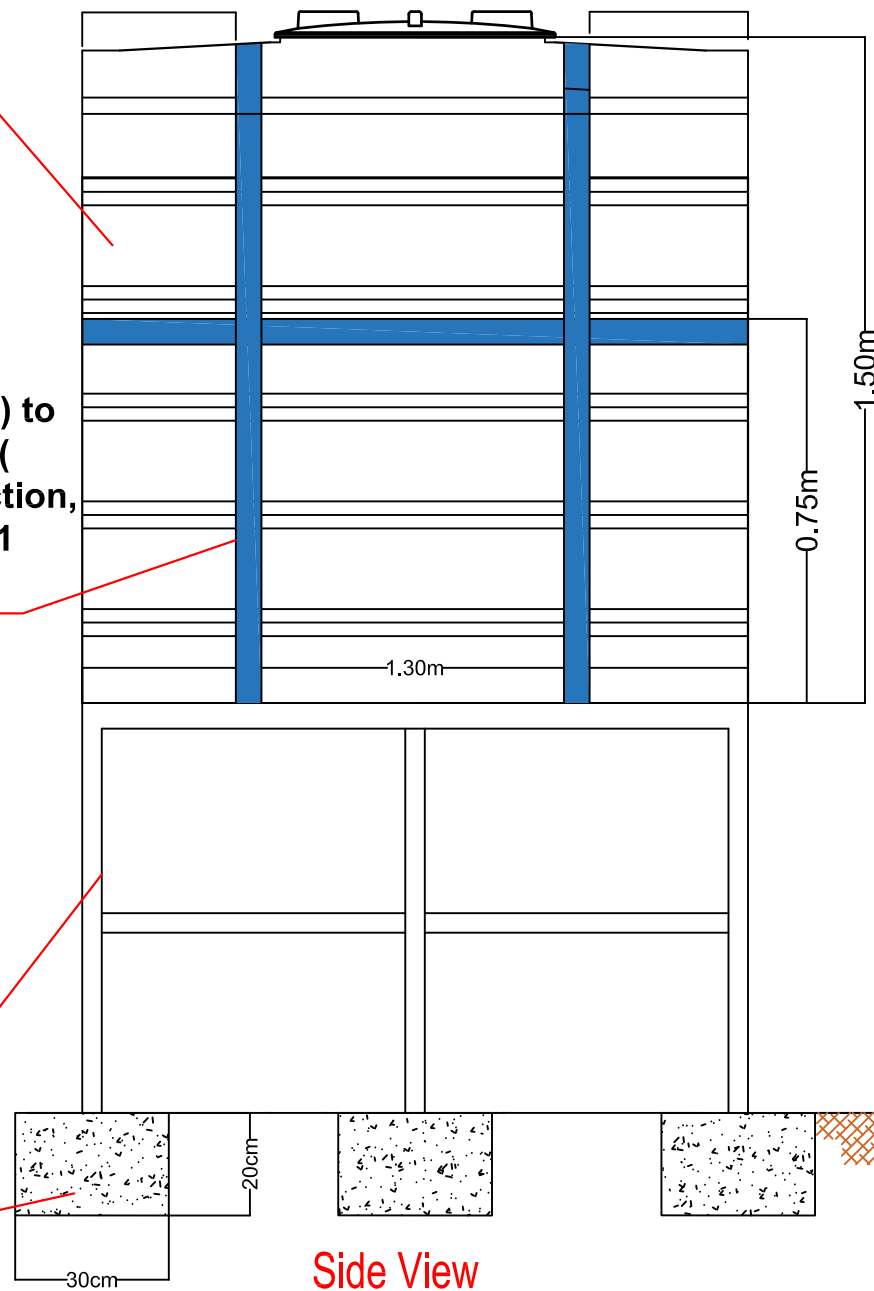


Plastic water tank 2000 L, 3 layers

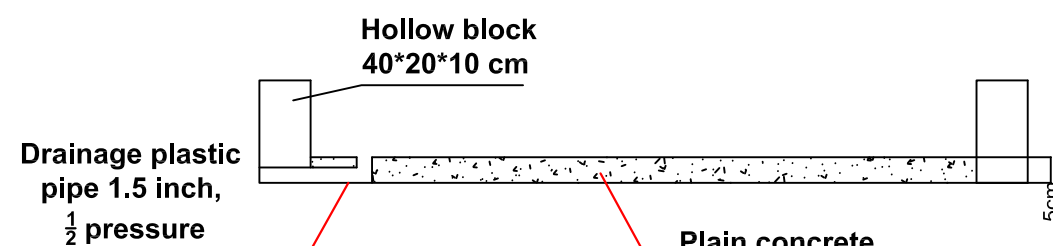
Belt (iron frame) to fixed the tanks (rectangular-section, width 1.5 inch, 1 mm-thick)

Iron tank's base

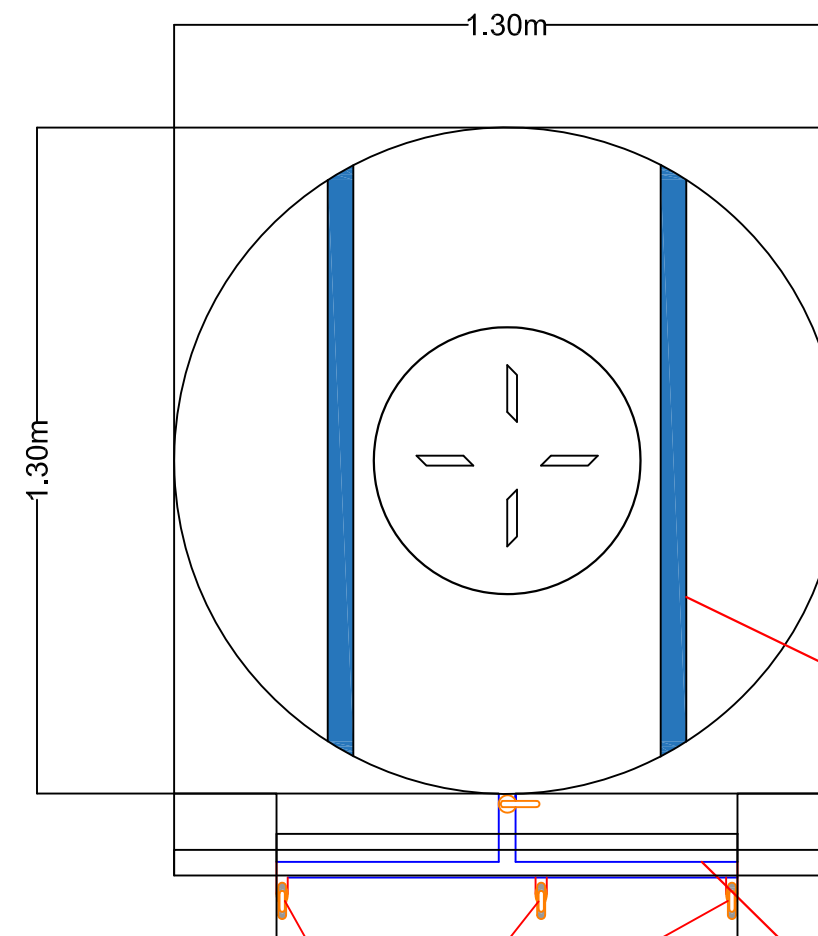
Plain concrete



Side View



Water Filling Basin
Front View

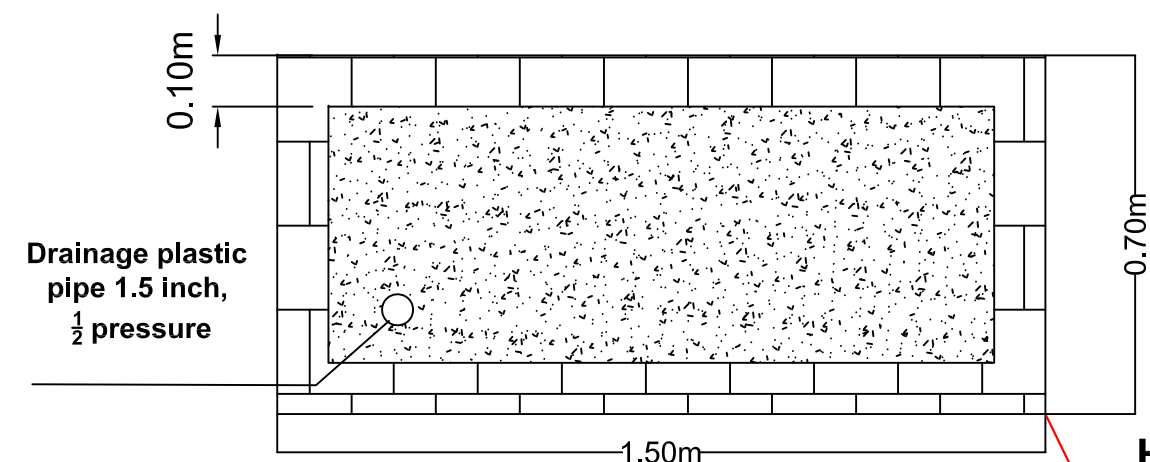


Water tap $\frac{3}{4}$ "

Top View

Belt (iron frame) to fixed the tanks (rectangular-section, width 1.5 inch, 1 mm-thick)

PVC pipe $\frac{3}{4}$ "



Water Filling Basin
Top View

Hollow block
40*20*10 cm

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DEEM - CCCM

APRIL 2025

PREPARED BY

D9

WATER TANKS DETAILS



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Legend :

Designed & Drawing by:

Project Engineer

Date

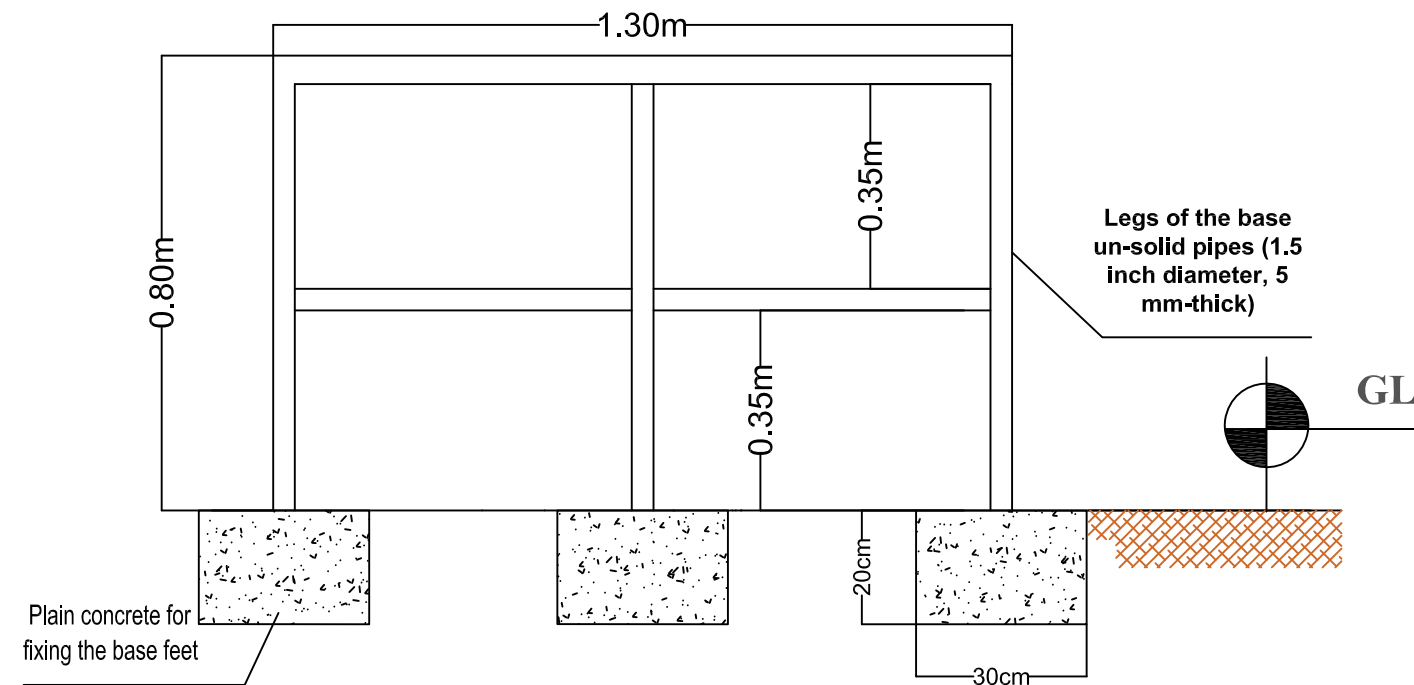
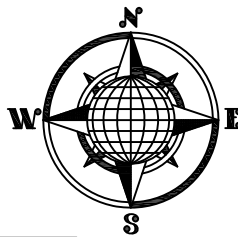
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Approve

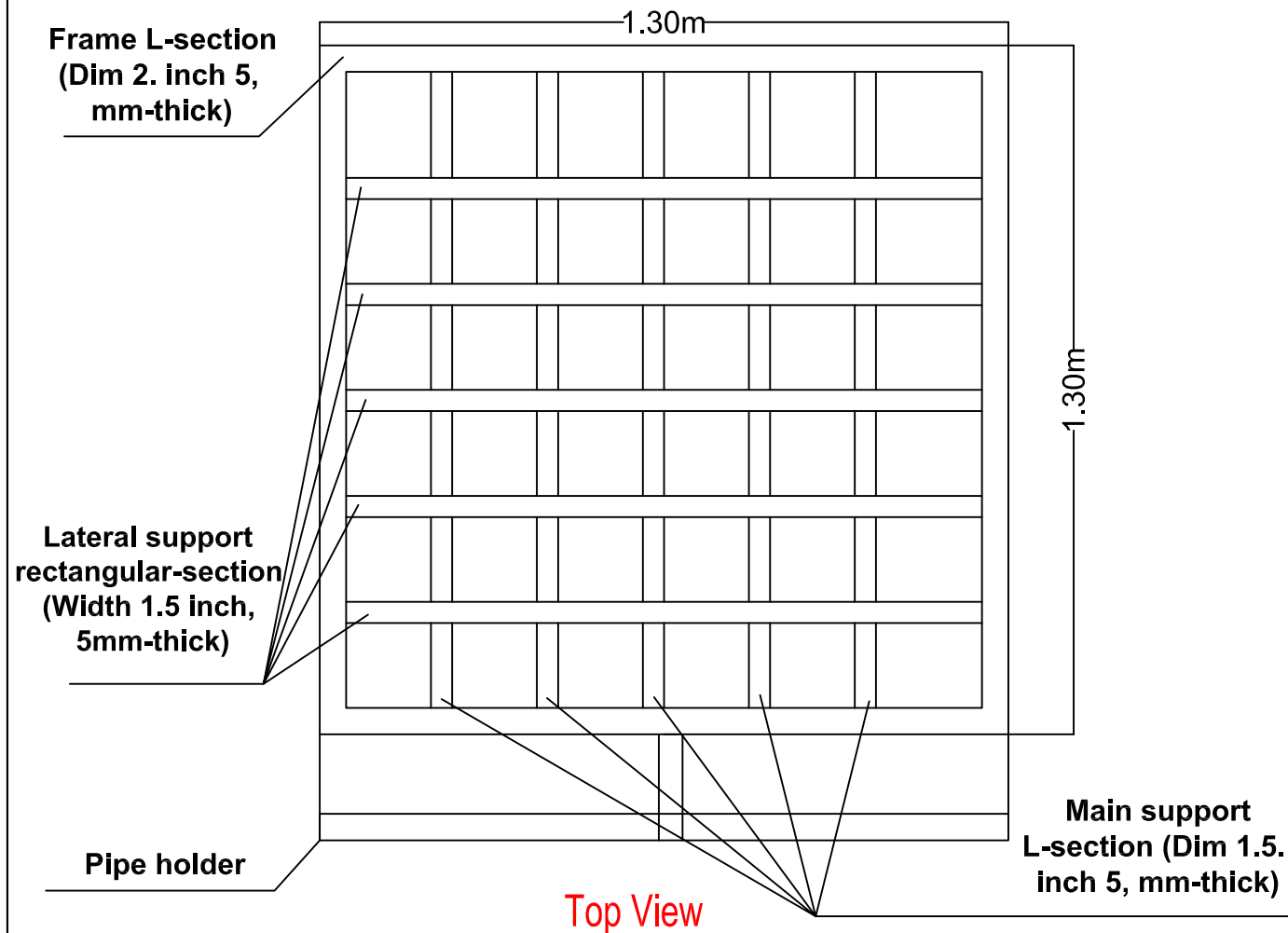
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COMMUNITY LED PROJECTS

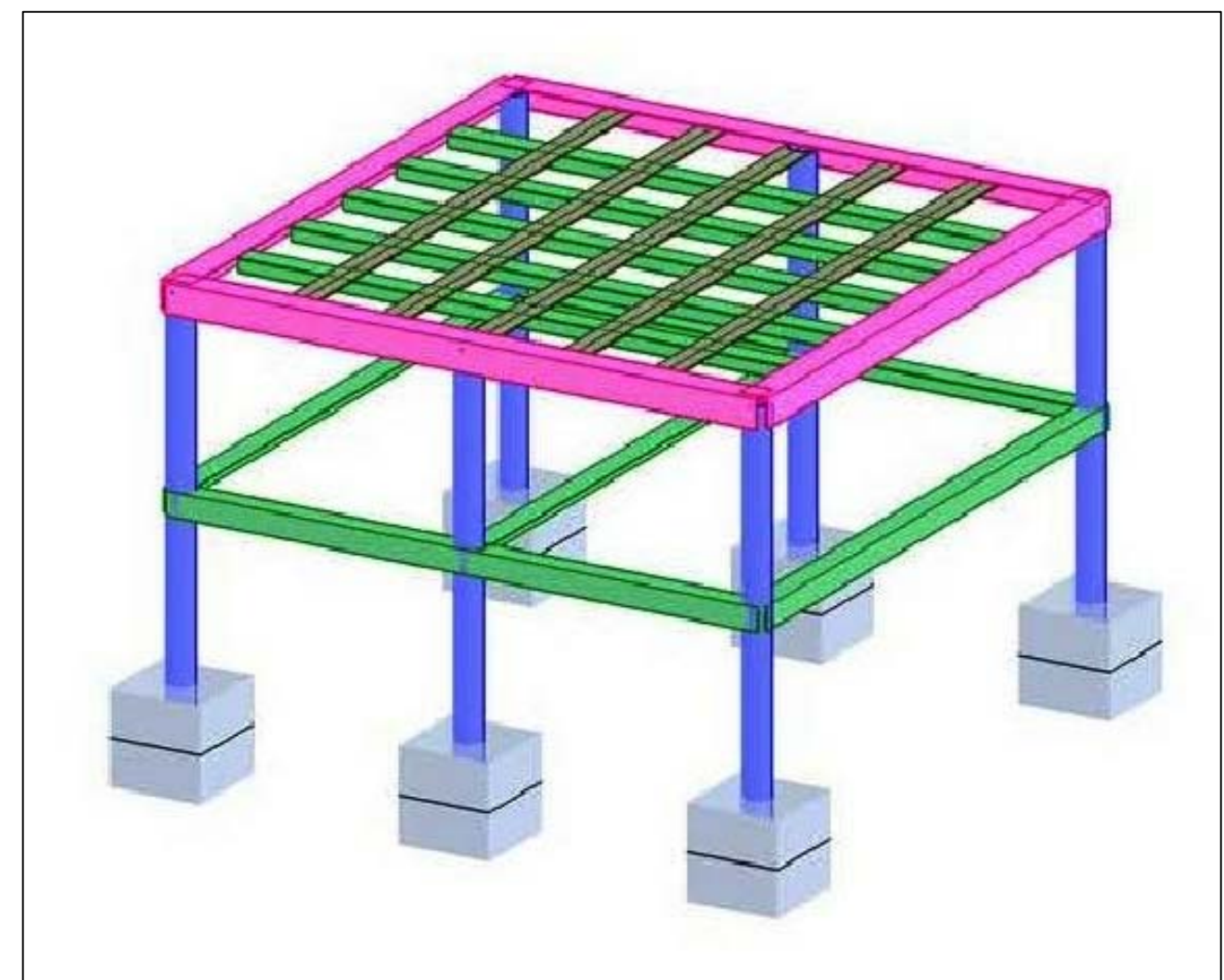
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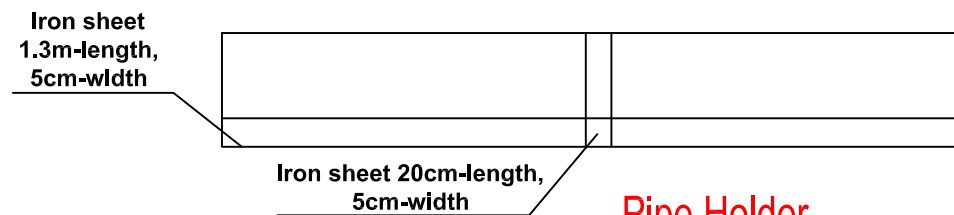
Side View



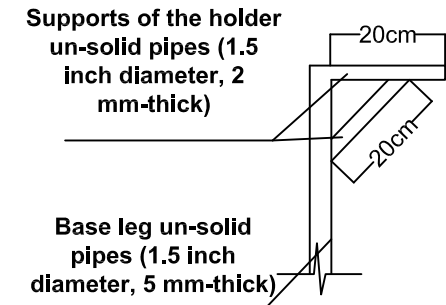
Top View



3D Model



Pipe Holder Top View



Pipe Holder Side View

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APRIL 2025

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D10

STEEL BASE DETAILS



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Designed & Drawing by:		Date
Project Engineer		
Checked		
Approve		

PROJECT	COMMUNITY LED PROJECTS	
	AL KHUKHAH DISTRICT AL HODEIDAH GOV. - YEMEN	

END