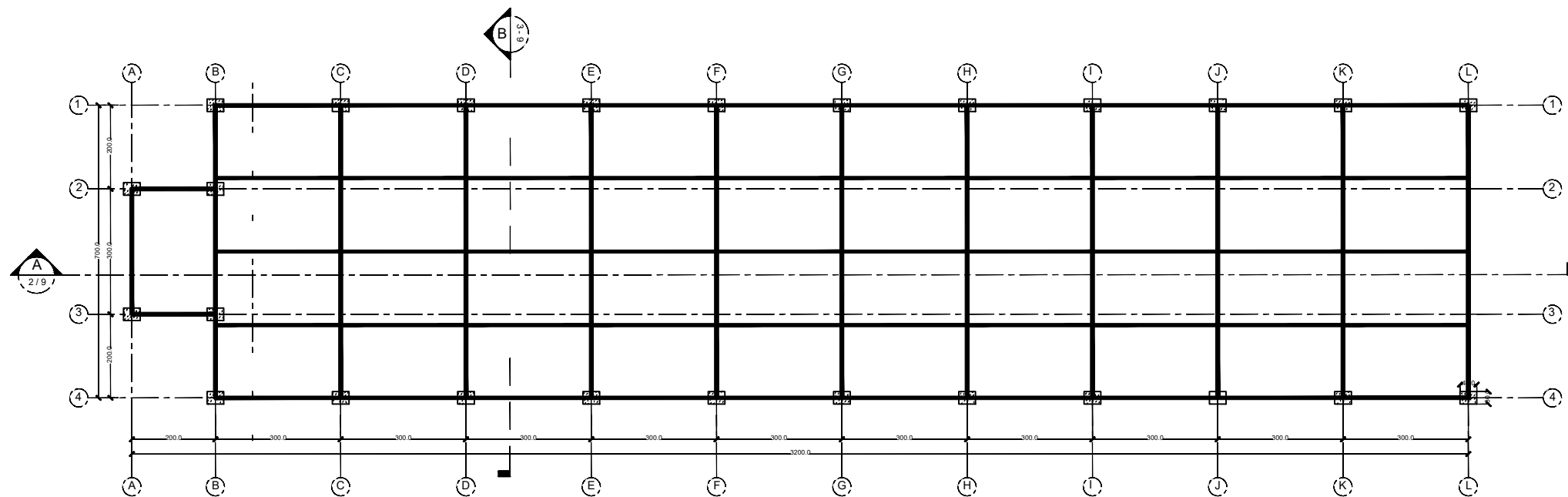




UNITED NATION DEVELOPMENT PROGRAM (UNDP)
ROK-Relief, Employment and Vital Infrastructure for
the Vulnerable in Emergencies (REVIVE)
REGION

CONSTRUCTION OF GREEN HOUSE

Year 2025



PLAN VIEW

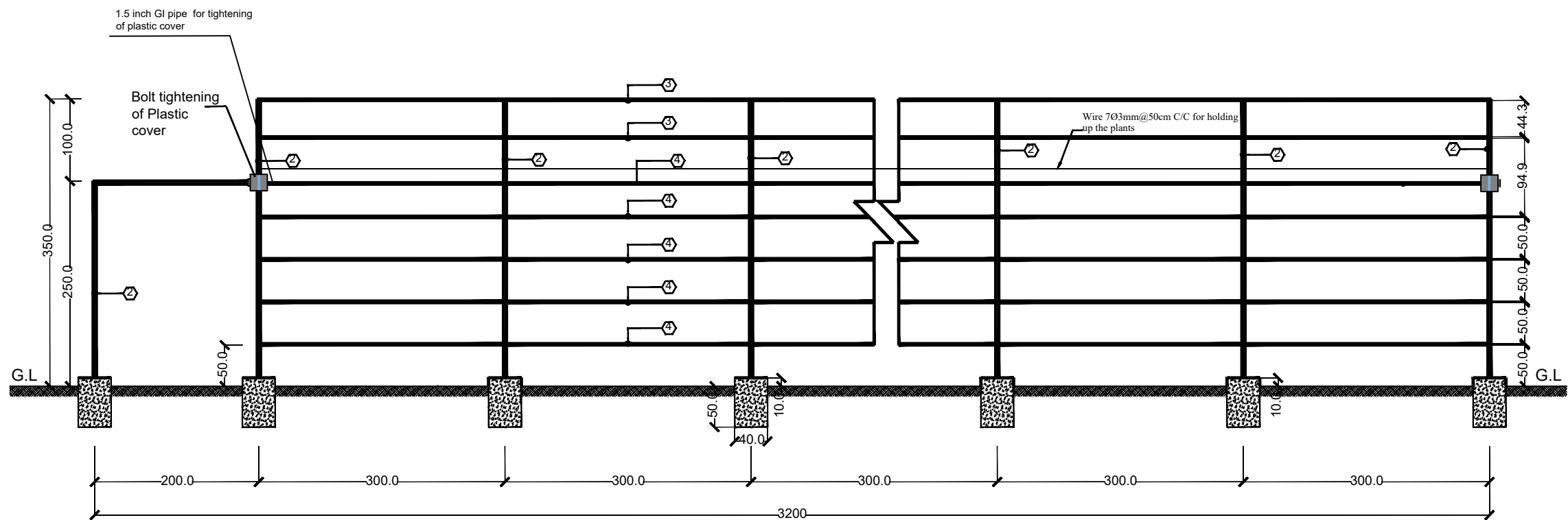
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**ROK-REVIVE PROJECT
EASTERN REGION
NANGARHAR**



CONSTRUCTION OF Green House

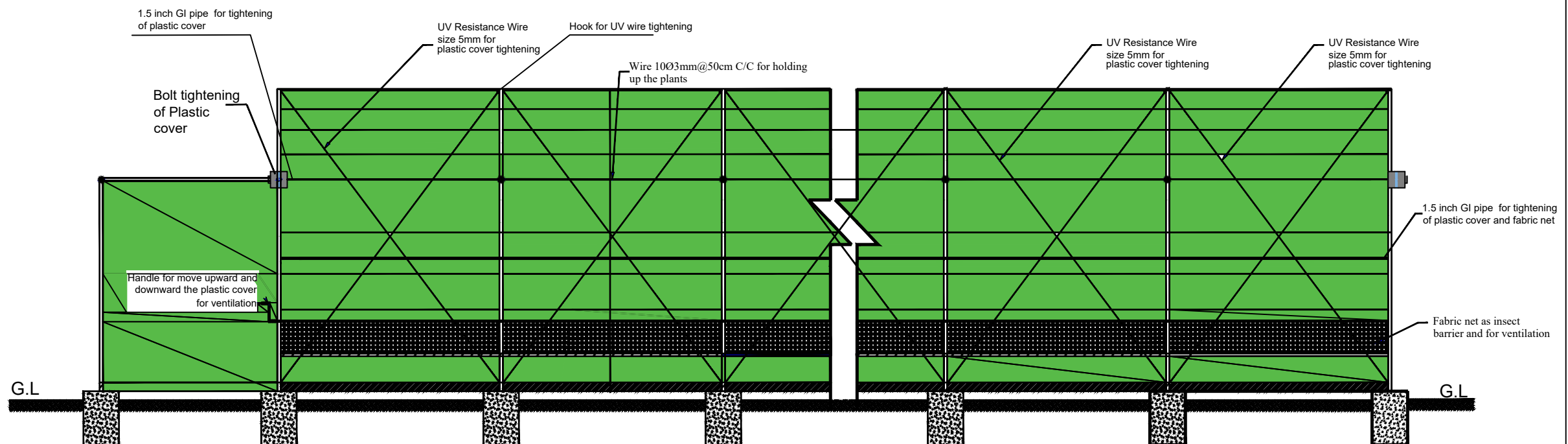
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DESIGN BY							SHEET NO
REVIEW BY		DATE			8 9		
APPROVE BY	PMU, KABUL	SCALE	N/A				



SECTION A-A

GI PIPE DETAIL	
Pipe No	Pipe Description
1	GI Pipe 2 Inch Ø
2	GI Pipe 1.5 Inch Ø
3	GI Pipe 1 Inch Ø
4	GI Pipe 3/4 Inch Ø

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							DISTRICT					
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APPROVE BY				PMU, KABUL		SCALE		N/A			SHEET NO	8 9



SECTION A-A

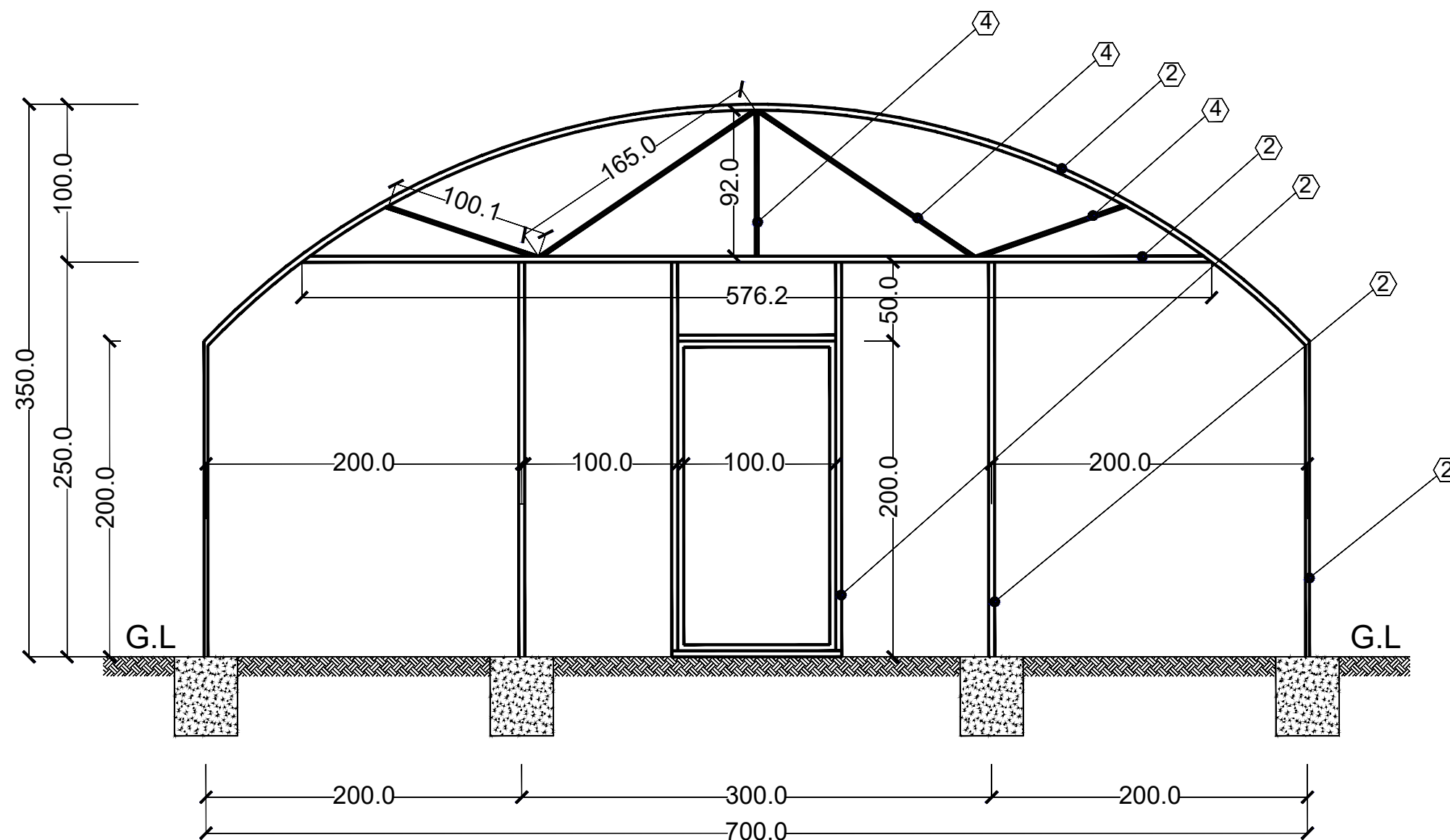
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**ROK-REVIVE PROJECT
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NANGARHAR**



CONSTRUCTION OF Green House

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DESIGN BY			
REVIEW BY		DATE	
APPROVE BY	PMU, KABUL	SCALE	N/A
PROVINCE		REVISION NO: 1	
DISTRICT			
VILLAGE			
SHEET NO	8		9



SECTION B-B

GI PIPE DETAIL	
Pipe No	Pipe Description
1	GI Pipe 2 Inch Ø
2	GI Pipe 1.5 Inch Ø
3	GI Pipe 1 Inch Ø
4	GI Pipe 3/4 Inch Ø

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**ROK-REVIVE PROJECT
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NANGARHAR**



CONSTRUCTION OF Green House

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APPROVE BY

PMU, KABUL

DRAWING TITLE

DATE

SCALE

N/A

LOCATION

PROVINCE

DISTRICT

VILLAGE

REVISION NO: 1

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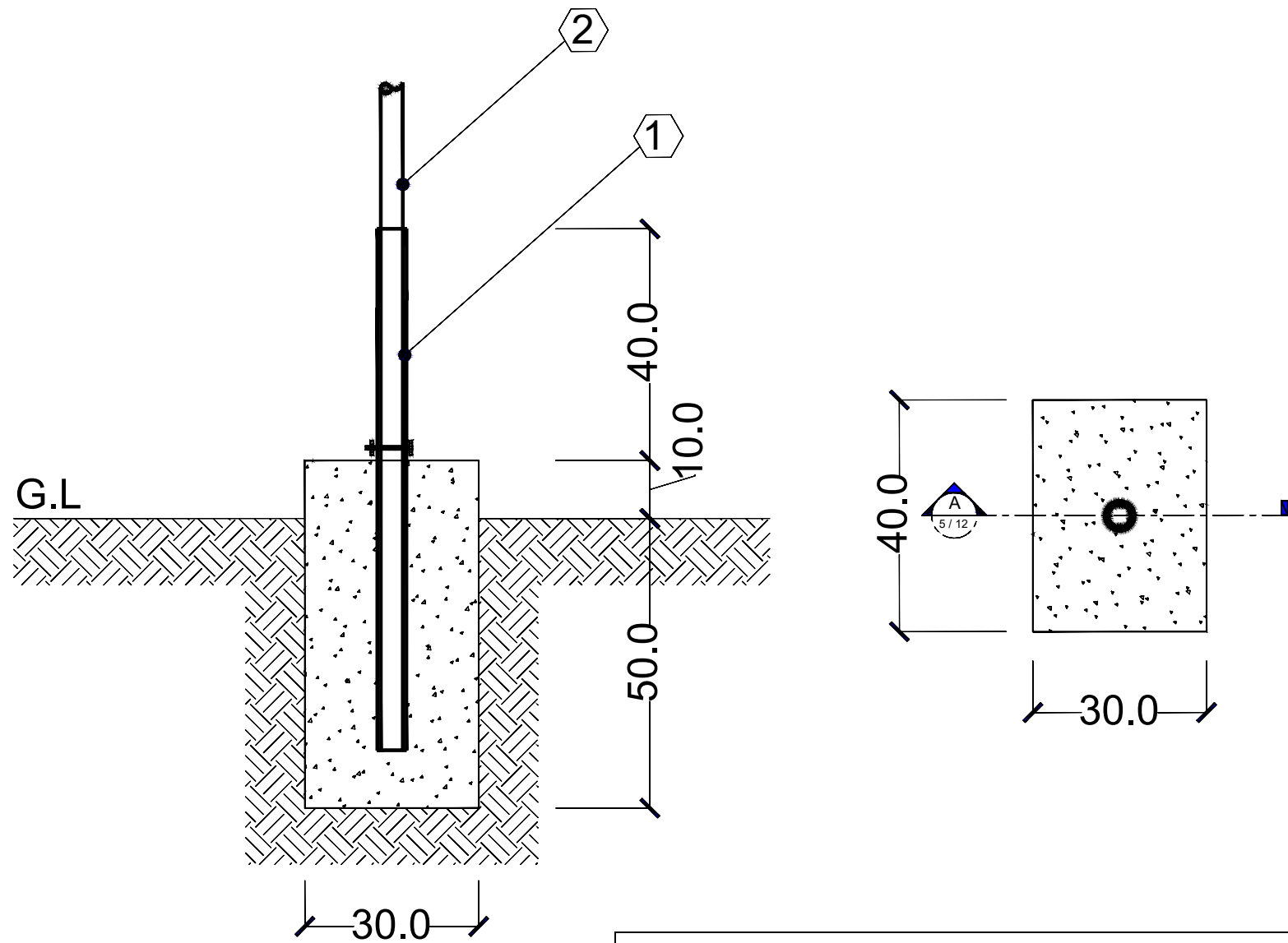
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8 OF 9

SECTION A-A



GI PIPE DETAIL	
Pipe No	Pipe Description
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2	GI Pipe 1.5 Inch Ø
3	GI Pipe 1 Inch Ø
4	GI Pipe 3/4 Inch Ø

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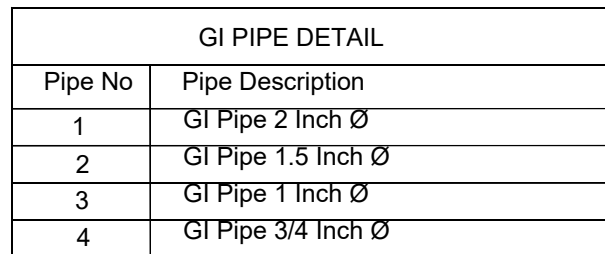
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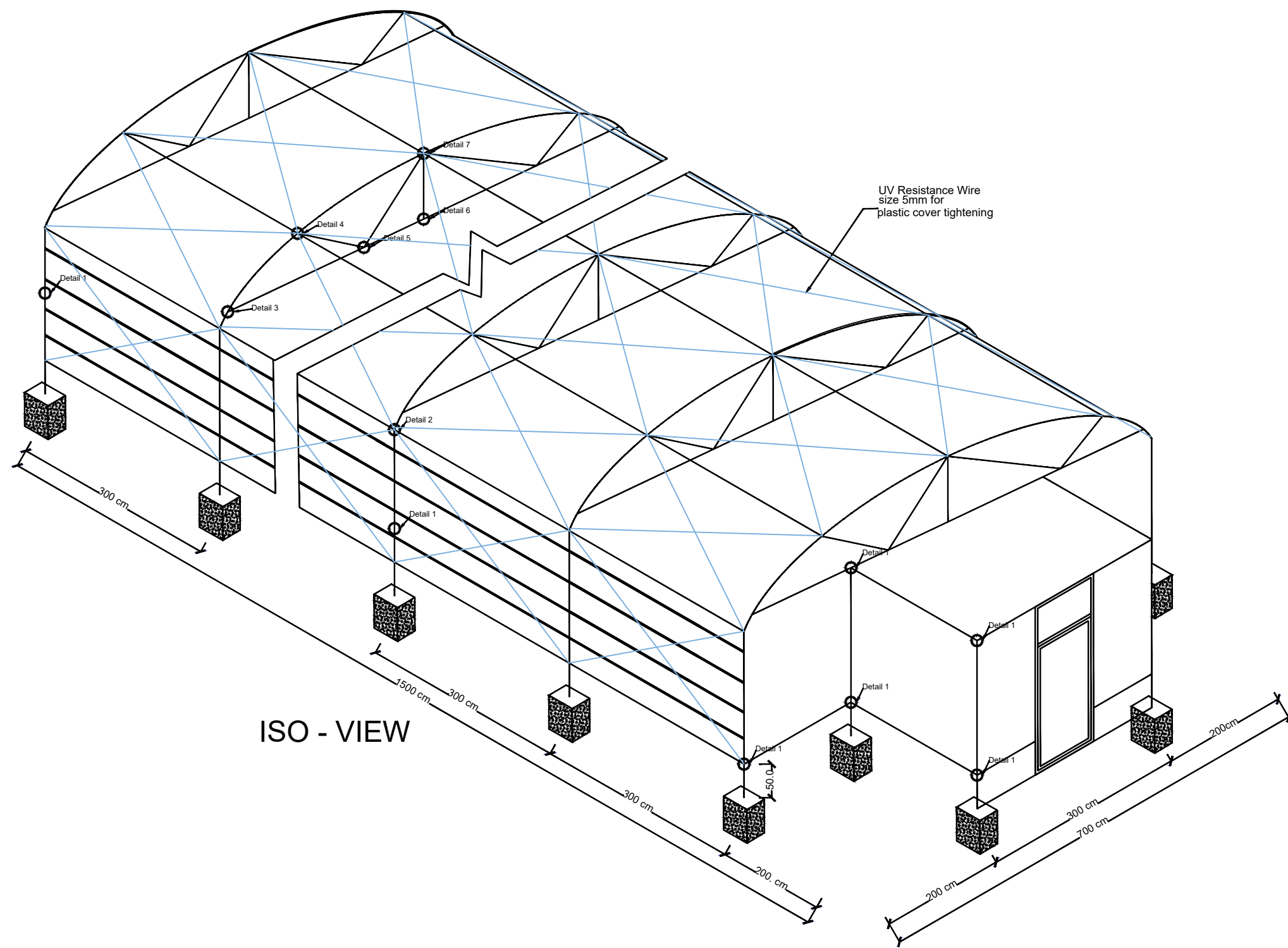
CONSTRUCTION OF Green House

SURVEY BY		DRAWING TITLE	
DESIGN BY			
REVIEW BY		DATE	
APPROVE BY	PMU, KABUL	SCALE	N/A

LOCATION	PROVINCE	
	DISTRICT	
	VILLAGE	
REVISION NO: 1		
SHEET NO		0 of 0



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**ROK-REVIVE PROJECT
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CONSTRUCTION OF Green House

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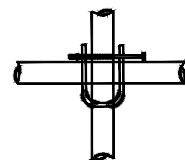
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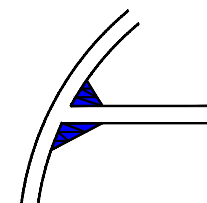
Detail 1
clamp type joint



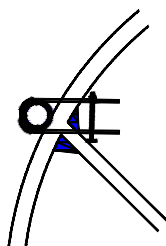
Detail 2
Welded joint



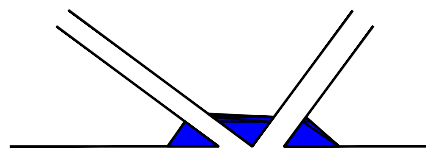
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Welded joint



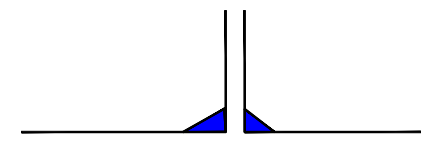
Detail 4
Welded and clamp joint



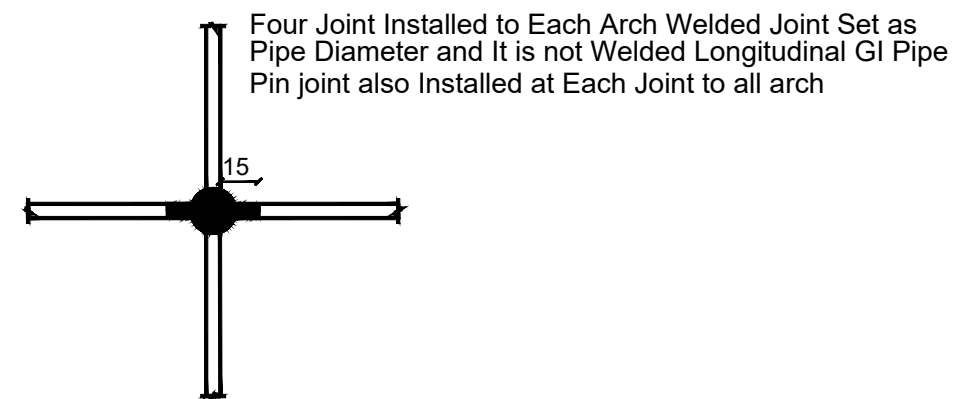
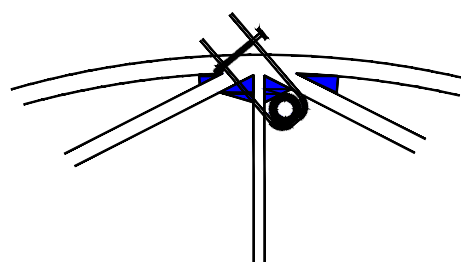
Detail 5
Welded and clamp joint



Detail 6
Welded and clamp joint



Detail 7
Welded and clamp joint



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**ROK-REVIVE PROJECT
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CONSTRUCTION OF Green House

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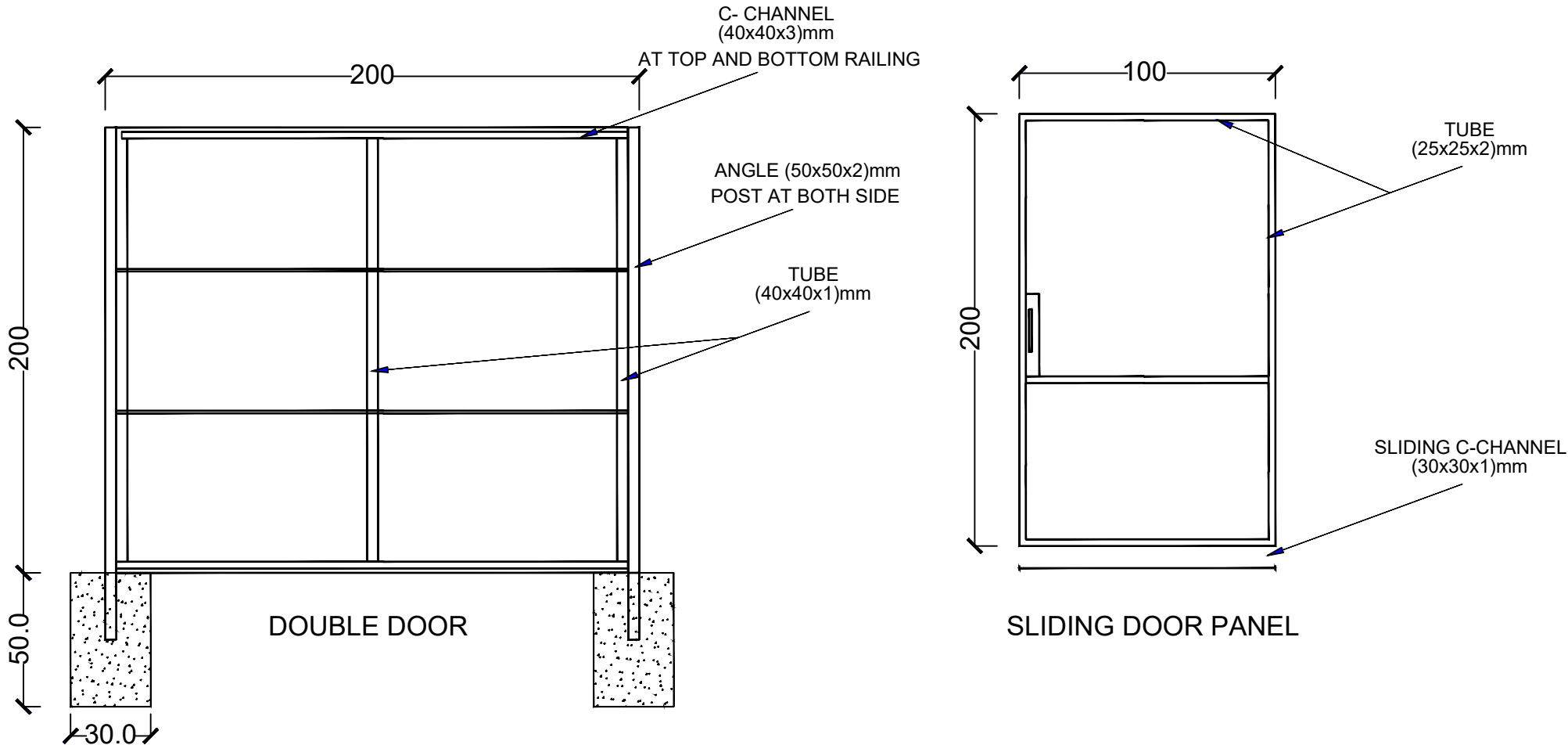
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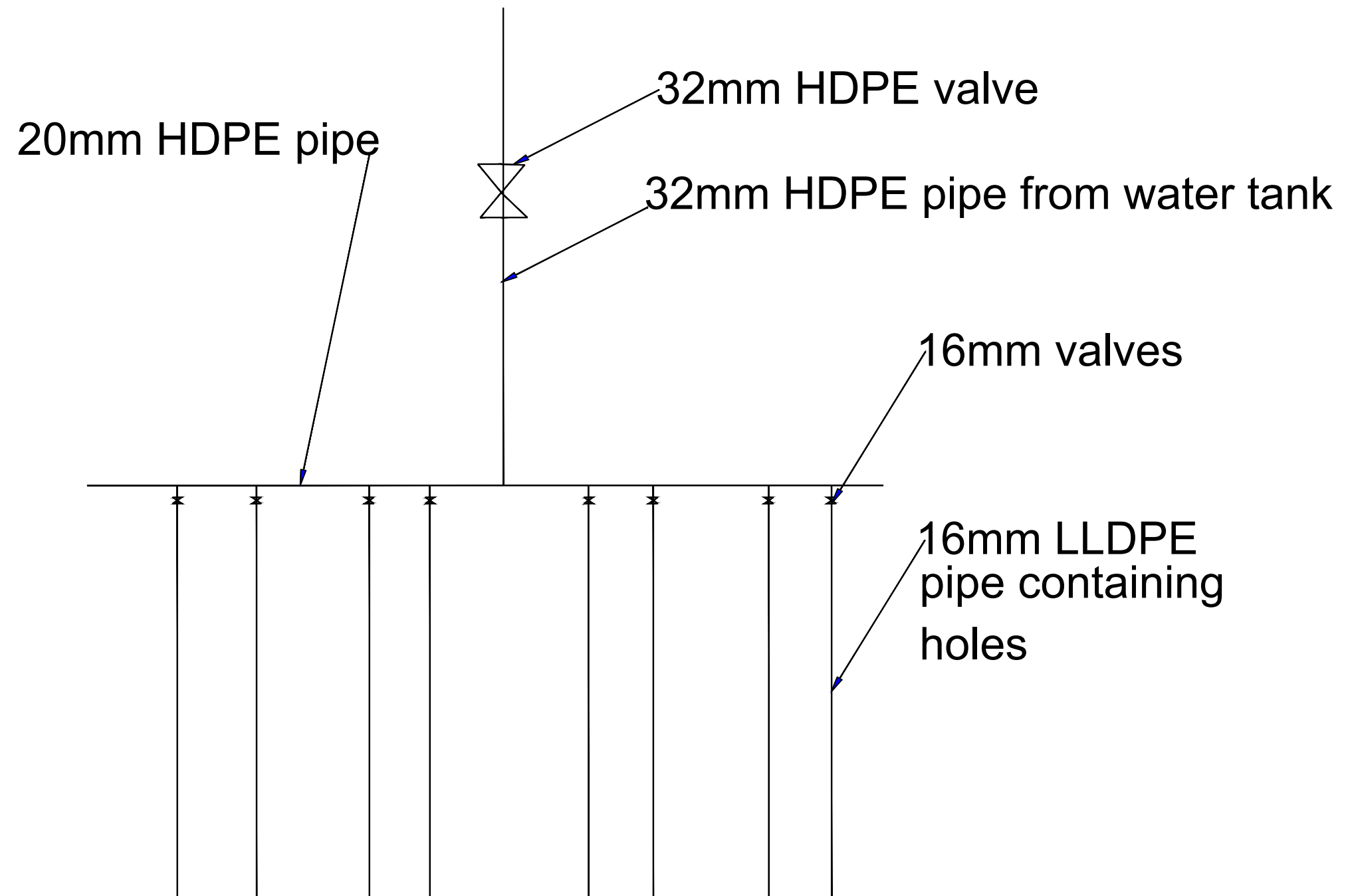
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DOUBLE DOOR AND SLIDE DOOR DETAILS



Drip irrigation line diagram



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CONSTRUCTION OF Green House

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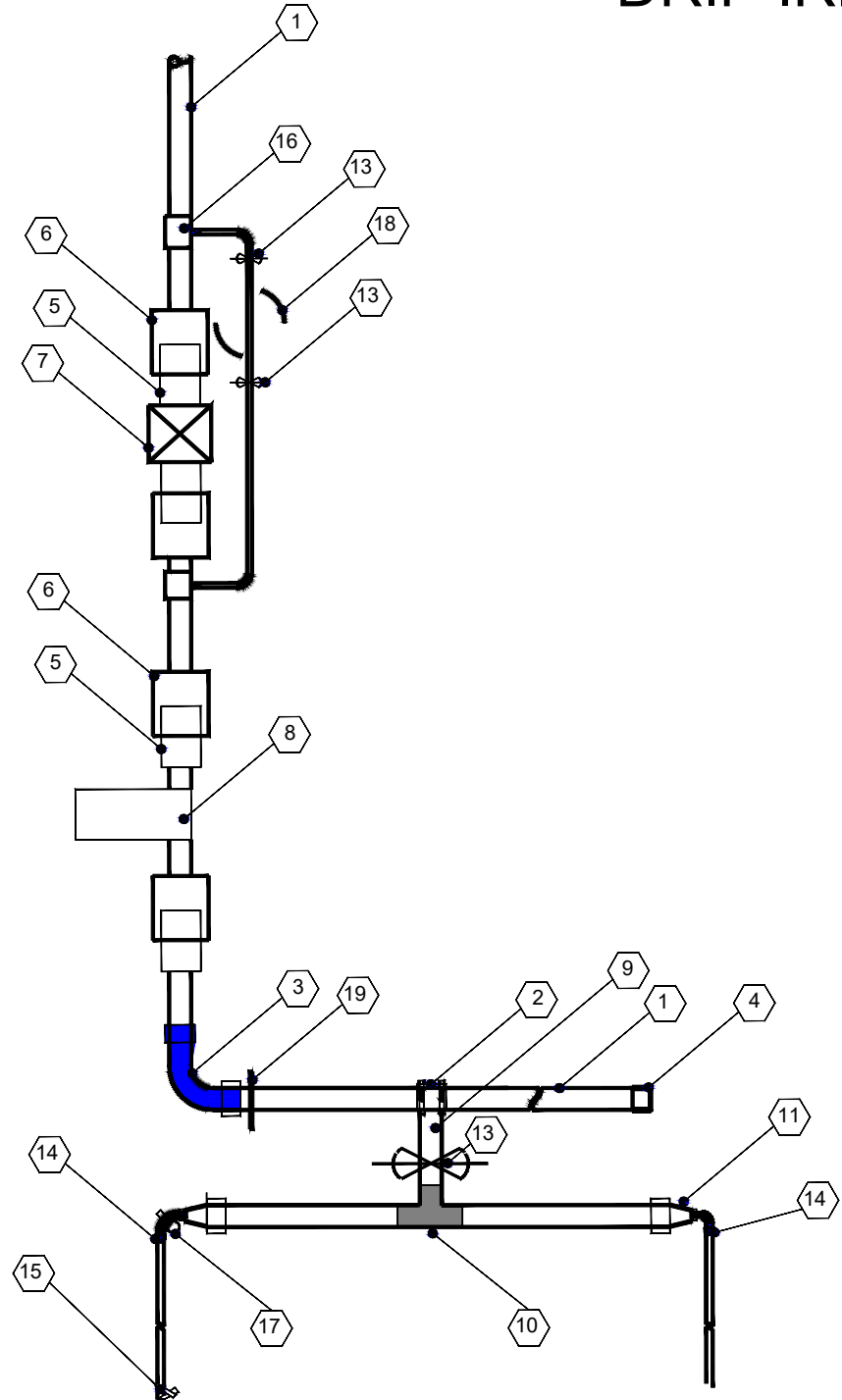
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DRIP IRRIGATION DETAIL

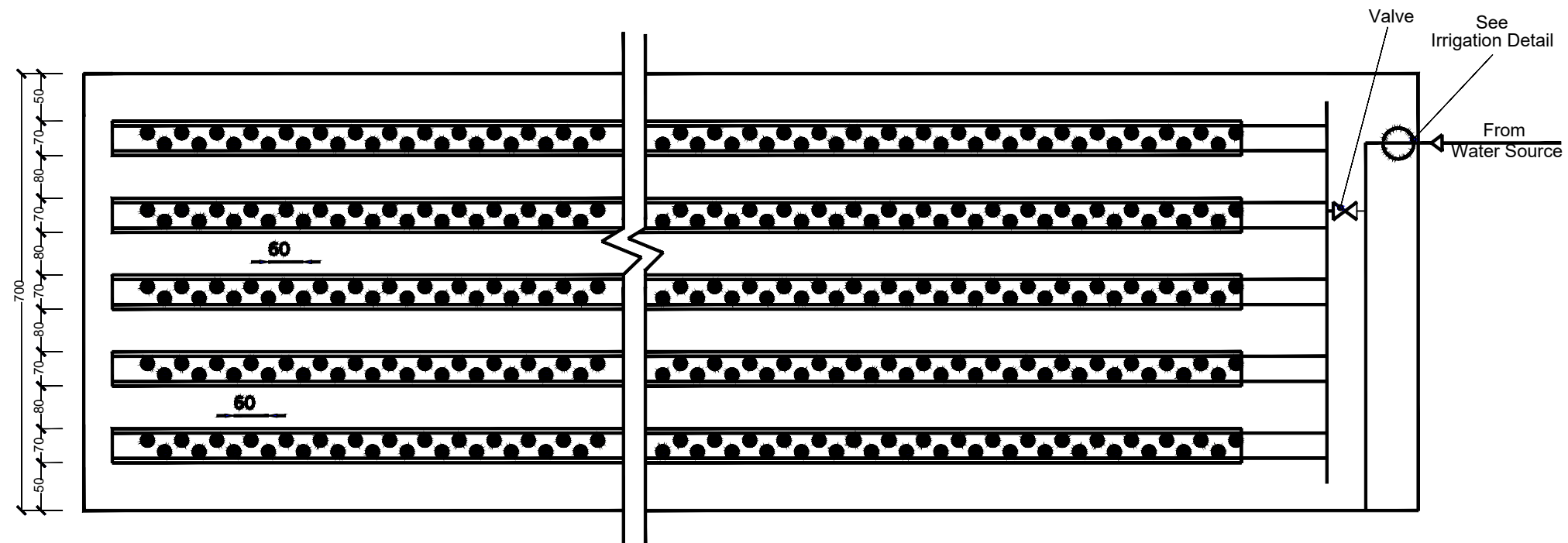


Key Note:

- 1. HDP PIPE 1" 10 MPA
- 2. HDP SADDLE CLAMP
- 3. HDP L-BOW 90 DEGREE
- 4. HDP END CAP
- 5. HDP M.T.A
- 6. HDP F.T.A
- 7. HDP B-VALVE
- 8. HDP FILTER LINE DISC STRAINER
- 9. START BARB CONNECTION 1"
- 10. TEE (T) JOINT CONNECTOR 1"
- 11. REDUCER COUPLING 25-16MM
- 12. END CAP 16MM
- 13. B-VALVE 1"
- 14. PLASTIC/GALVANIZED CLIP 16MM
- 15. LLDPE PIPE 16MM 20X20 CM HOLE
- 16. LLDPE PIPE WITHOUT HOLE
- 17. PVC STICK 16MM
- 18. PVC BRUSHING FOR WATER 1"
- 19. GALVANIZED IRON STICK

NOTE: THE FERTILIZER TANK WILL SET AS NEED OF FIELD AND WILL NOT INSTALL AS DRAWING IT WILL CHANGE DURING IMPLEMENTATION

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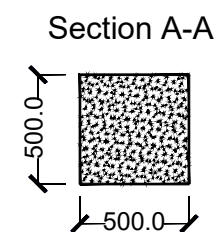
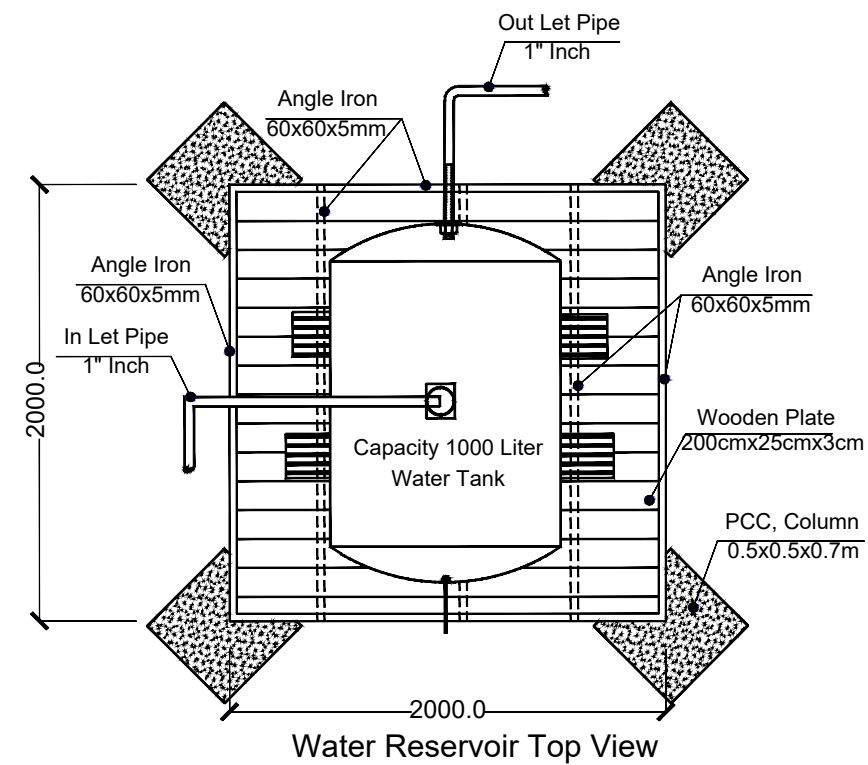
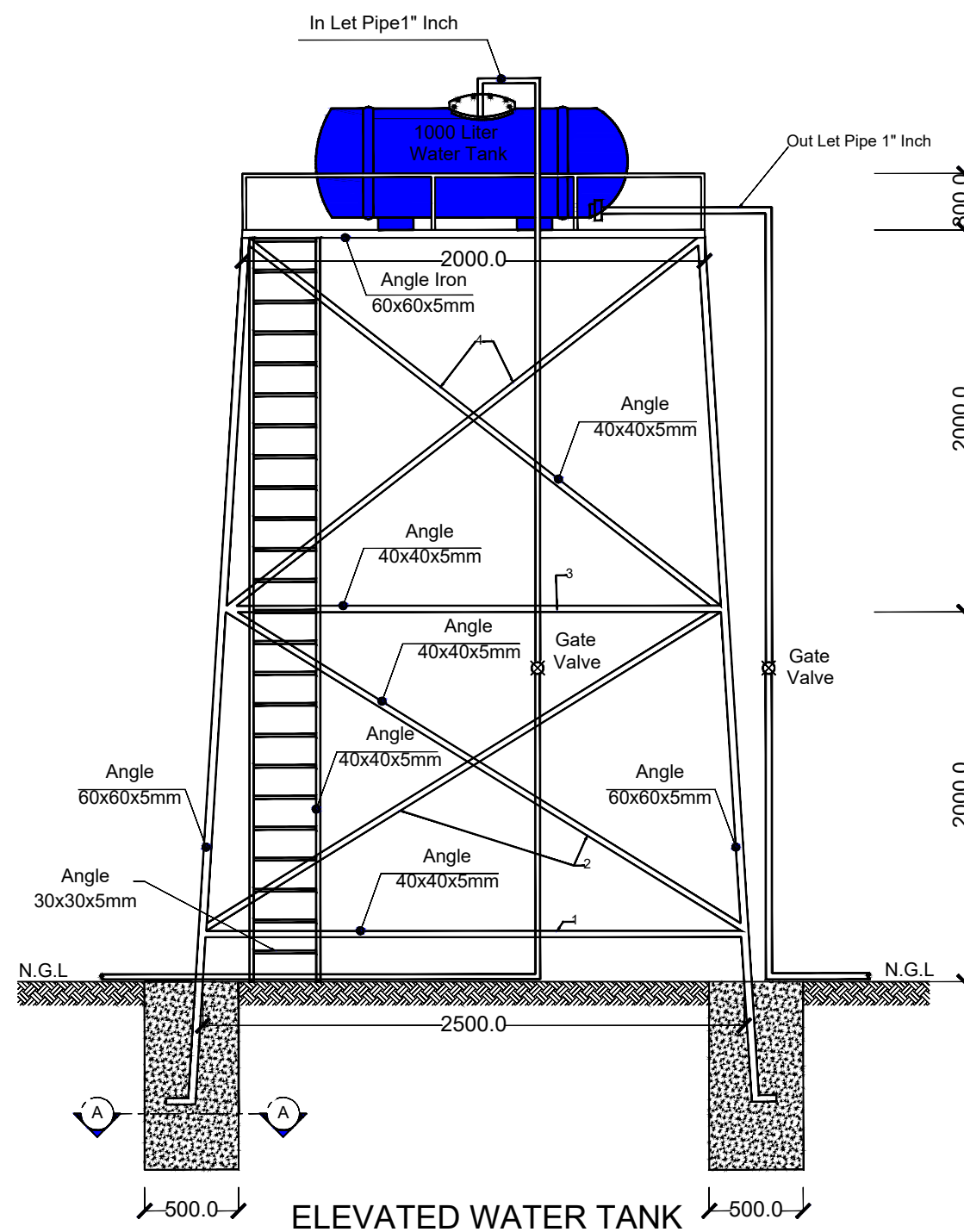
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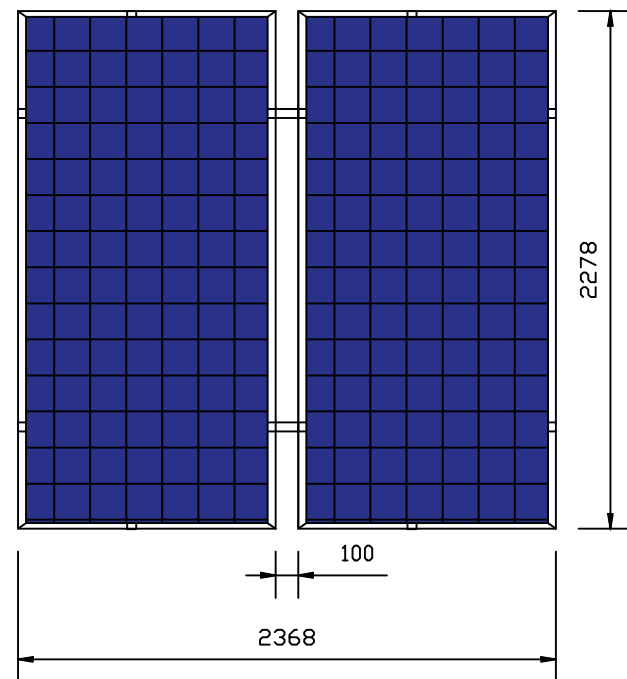
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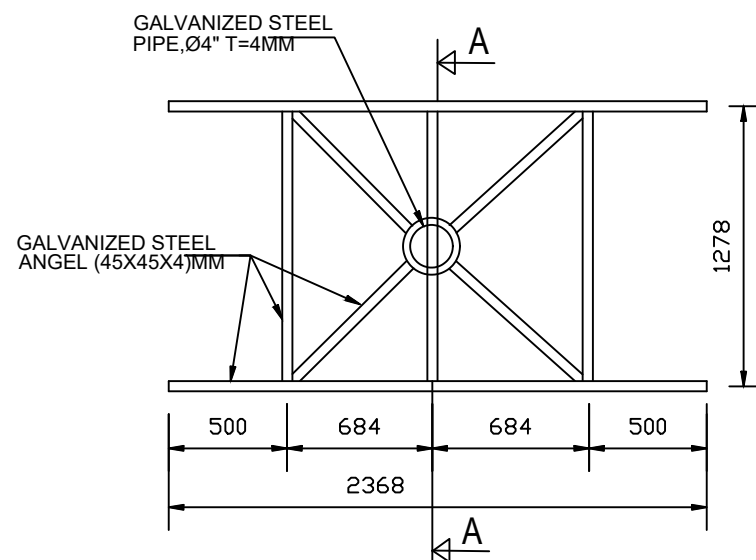
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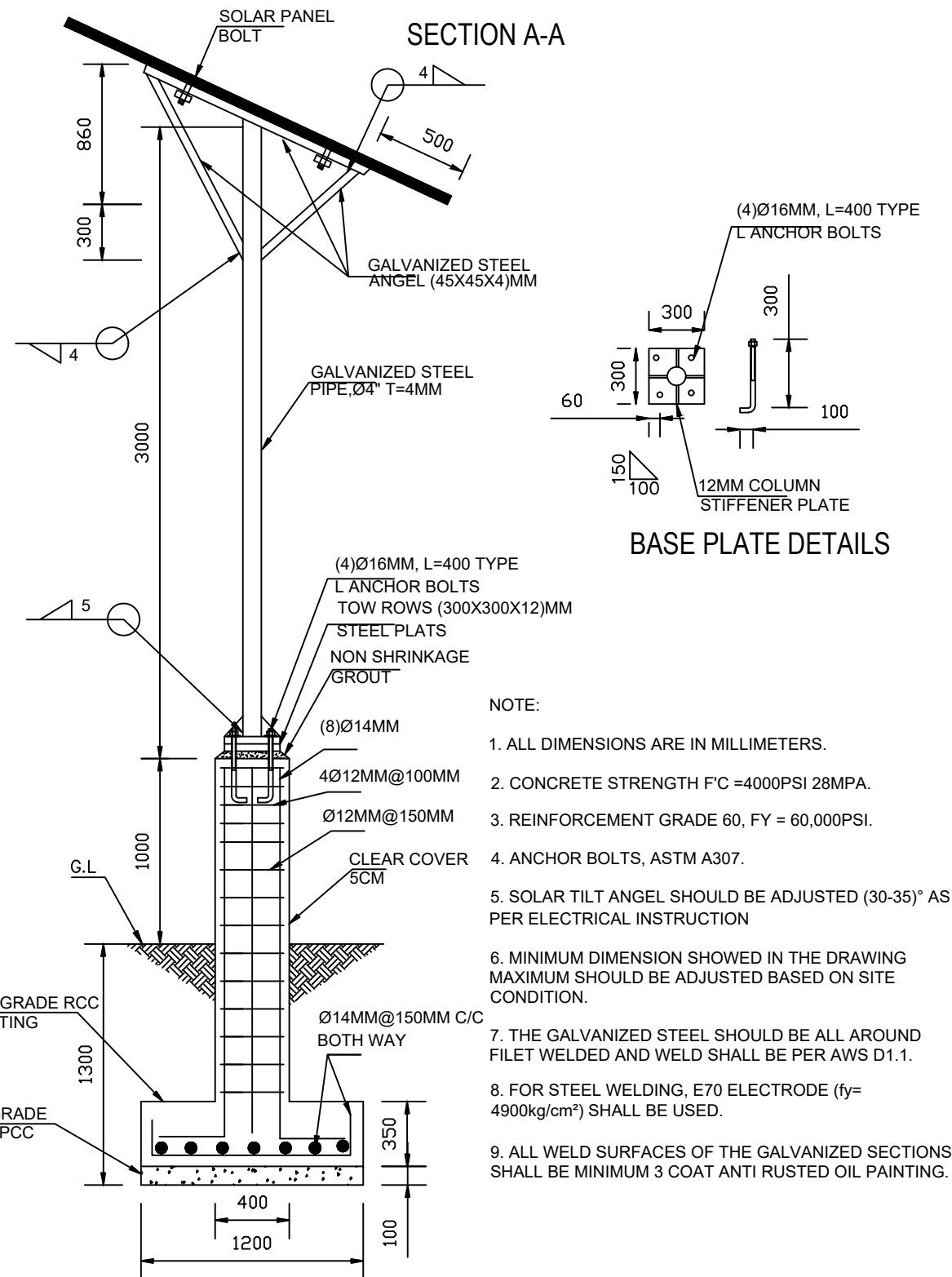
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SOLAR PANELS PLAN



SOLAR PANELS SUPPORT
FRAME PLAN



NOTE:

1. ALL DIMENSIONS ARE IN MILLIMETERS.
2. CONCRETE STRENGTH $F'_{C} = 4000\text{PSI}$ 28MPA .
3. REINFORCEMENT GRADE 60, $F_{Y} = 60,000\text{PSI}$.
4. ANCHOR BOLTS, ASTM A307.
5. SOLAR TILT ANGEL SHOULD BE ADJUSTED $(30-35)^{\circ}$ AS PER ELECTRICAL INSTRUCTION
6. MINIMUM DIMENSION SHOWN IN THE DRAWING
MAXIMUM SHOULD BE ADJUSTED BASED ON SITE
CONDITION.
7. THE GALVANIZED STEEL SHOULD BE ALL AROUND
FILET WELDED AND WELD SHALL BE PER AWS D1.1.
8. FOR STEEL WELDING, E70 ELECTRODE ($f_{y} = 4900\text{kg/cm}^2$) SHALL BE USED.
9. ALL WELD SURFACES OF THE GALVANIZED SECTIONS
SHALL BE MINIMUM 3 COAT ANTI RUSTED OIL PAINTING.

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