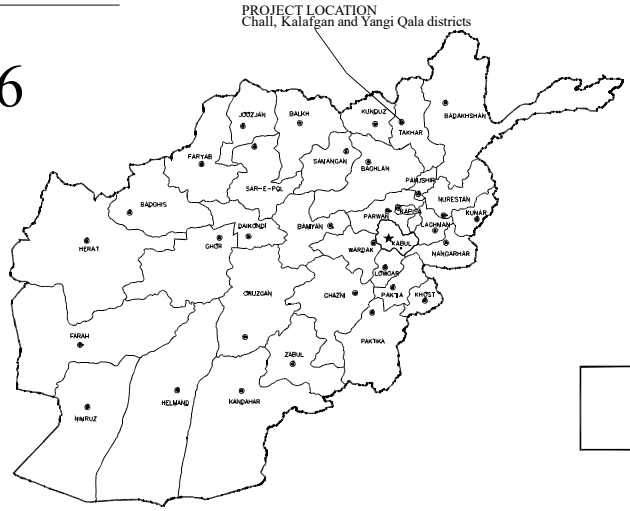
Concern Worldwide Afghanistan

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GREENHOUSE TYPICAL DESIGN

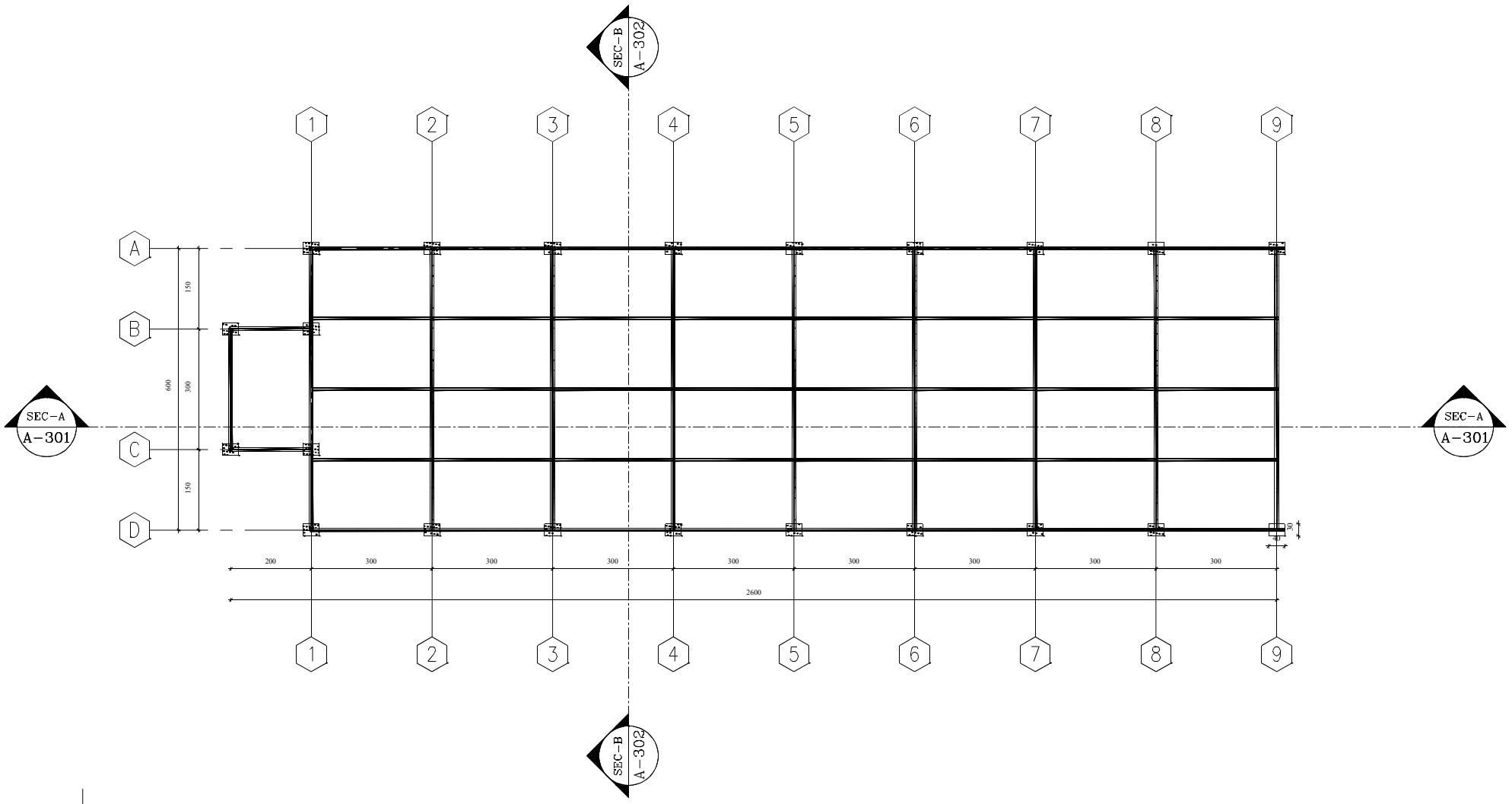
08, OCTOBER, 2026



Surveyed and Drawn By : Eng.Mosamim, Matti, & Rahimi
Designed By: Eng. Rohul Amin
Approved by: Eng. Noor Rahman
YEAR: 2026

ARCHITECTURAL AND CONSTRUCTION DRAWINGS

Note: All Dimension are in (cm)
As per site implementation will direction specified.



01 Greenhouse GI pipes Plan

CWW-A101 REF Scale: 1:100

01 23 4 6 8 10m
1:100(A3)

Surveyed by:	Eng. Mosamm, Rahimi and Matti		
Drawn by:	Eng. Mir haidar		
Designed By:	Eng. Rohul Amin		
Checked By:	Eng. Noor Rahman		
Approved by Visa Committee:	Eng. Karimullah Fazil		

Submitted by:

No.	Submission Description:	Date:
01	For Construction	10/11/2026

Contract No:	
Contract Date:	
Fiscal Year:	2026
Drawn Code:	SCI
Paper Size:	A3
Plot Date:	04/10/2026
Scale:	1: 100

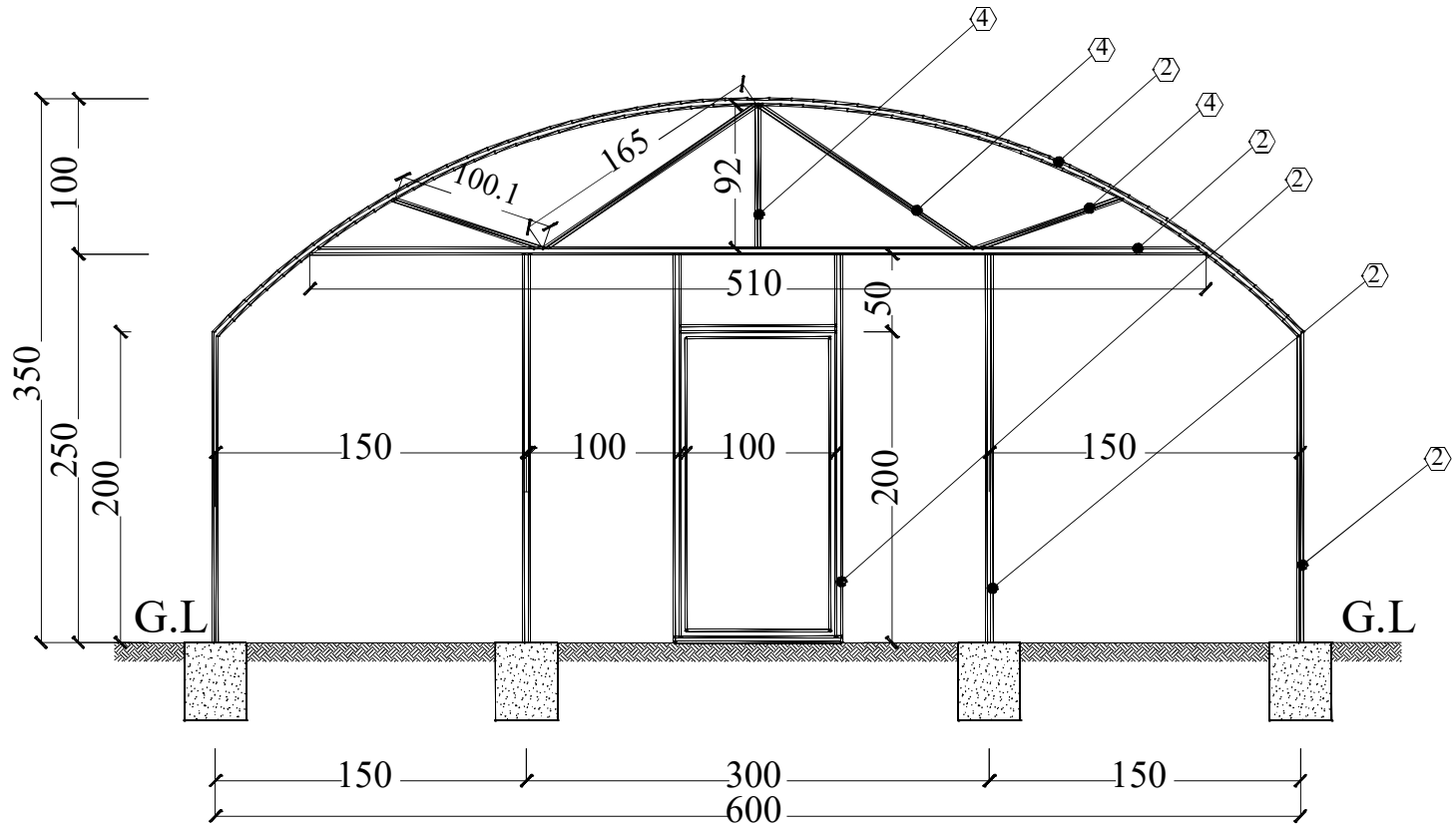
156 SQ-M GREENHOUSE TYPICAL DESIGN

FCDO - PREVALE PROJECT

Sheet Reference Number

A101

Note: All Dimension are in (cm)
As per site implementation will direction specified.



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

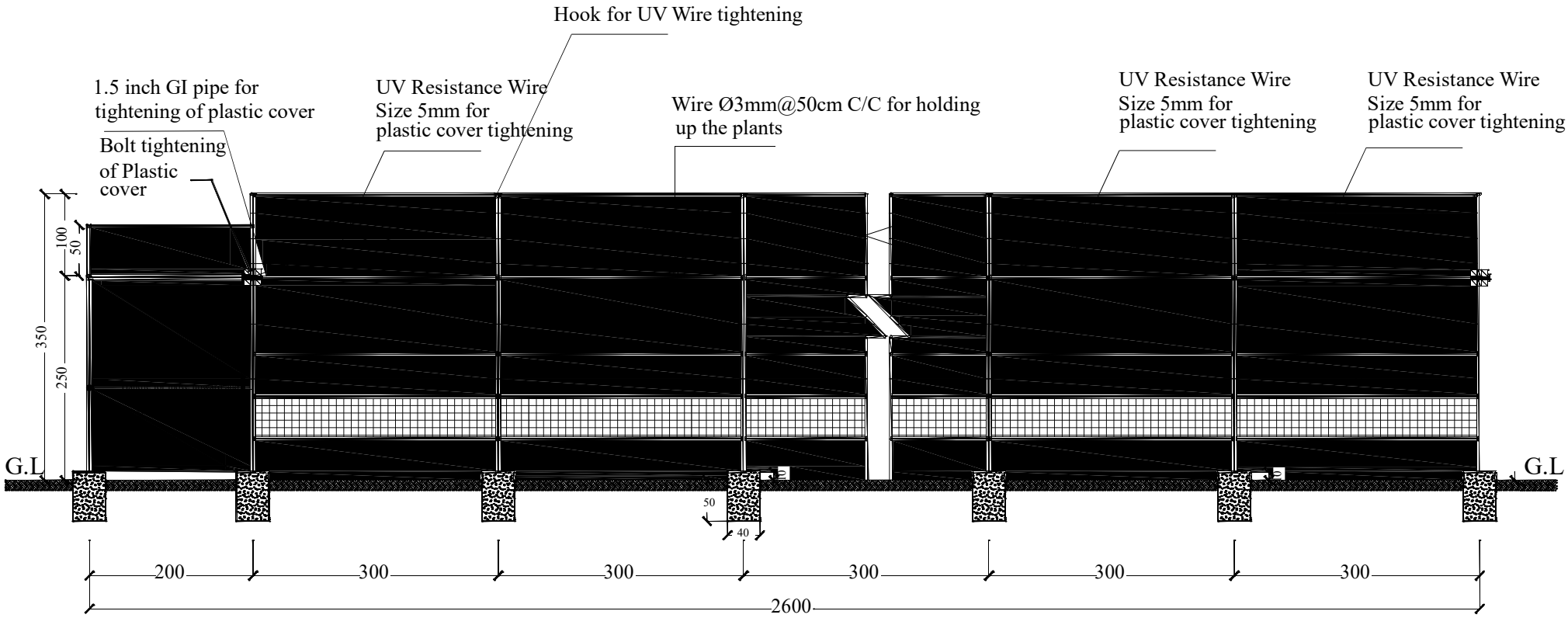
01 Greenhouse Section B-B

CWW-A302 REF Scale: 1:100

01 23 4 6 8 10m
1:100(A3)

	Surveyed by:	Eng. Mosamim, Matti & Rahimi	Submitted by:	No.	Submission Description:	Date:	Contract No:		156 SQ-M GREENHOUSE TYPICAL DESIGN	Sheet Reference Number
	Drawn by:	Eng. Rohul Amin		01	For Construction	10/11/2026	Contract Date:			
	Designed By:	Eng. Rohul Amin					Fiscal Year:	2026	FCDO - PREVALE PROJECT	CWW-A302
	Checked By:	Eng. Noor Rahman					Drawn Code:	CWW		
	Approved by Visa Committee:	Karimullah Fazil					Paper Size:	A3		
							Plot Date:	04/10/2026		
							Scale:	1: 100		

Note: All Dimension are in (cm)
As per site implementation will direction specified.



01 | Greenhouse Section A-A

CWW-A301 | REF | Scale: 1:100

01 23 4 6 8 10m
1:100(A3)

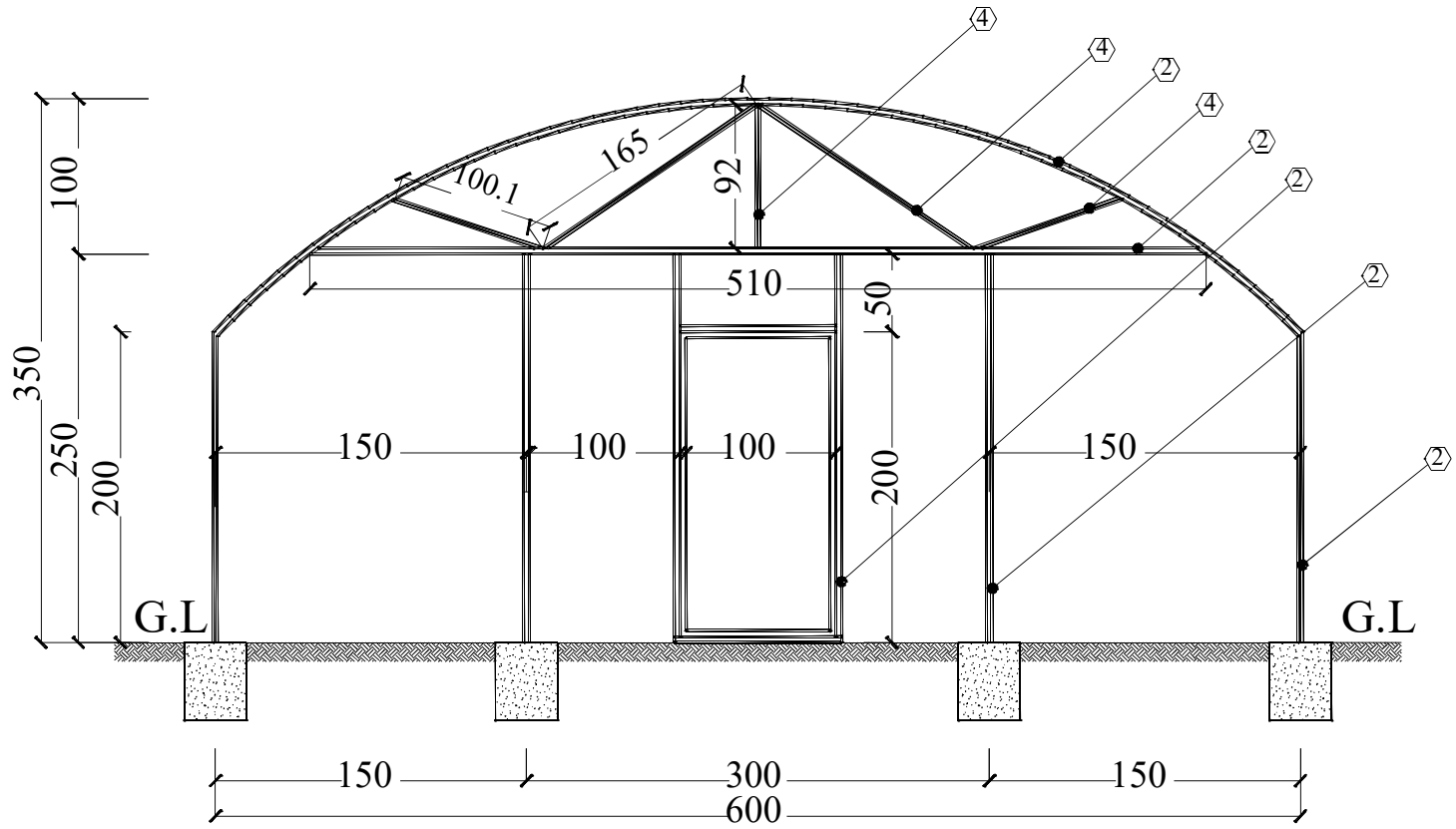
	Surveyed by:	Eng. Mosamim, Matti & Rahimi	Submitted by:	No.	Submission Description:	Date:	Contract No:
	Drawn by:	Eng. Rohul Amin		01	For Construction	10/11/2026	Contract Date:
	Designed By:	Eng. Rohul Amin					Fiscal Year: 2026
	Checked By:	Eng. Noor Rahman					Drawn Code: CWW
	Approved by Visa Committee:	Karimullah Fazil					Paper Size: A3
							Plot Date: 04/10/2026
							Scale: 1: 100

156 SQ-M GREENHOUSE TYPICAL DESIGN

FCDO - PREVALE PROJECT

Sheet Reference Number
CWW-A301

Note: All Dimension are in (cm)
As per site implementation will direction specified.



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

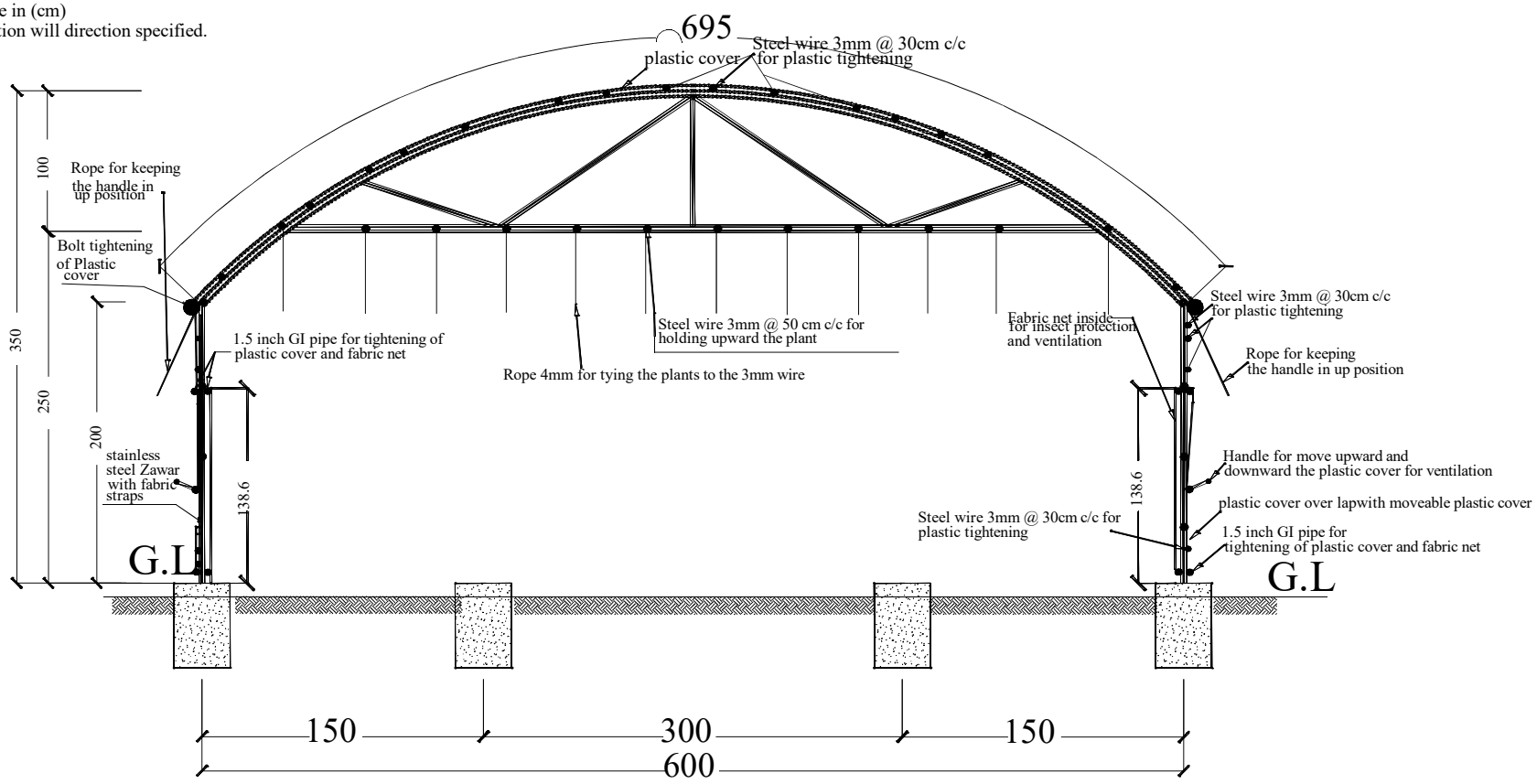
01 Greenhouse Section B-B

CWW-A302 REF Scale: 1:100

01 23 4 6 8 10m
1:100(A3)

	Surveyed by:	Eng. Mosamim, Matti & Rahimi	Submitted by:	No.	Submission Description:	Date:	Contract No:		156 SQ-M GREENHOUSE TYPICAL DESIGN	Sheet Reference Number
	Drawn by:	Eng. Rohul Amin		01	For Construction	10/11/2026	Contract Date:			
	Designed By:	Eng. Rohul Amin					Fiscal Year:	2026	FCDO - PREVALE PROJECT	CWW-A302
	Checked By:	Eng. Noor Rahman					Drawn Code:	CWW		
	Approved by Visa Committee:	Karimullah Fazil					Paper Size:	A3		
							Plot Date:	04/10/2026		
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Note: All Dimension are in (cm)
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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

01 Greenhouse Section B-B

CWW-A302 REF Scale: 1:100

01 23 4 6 8 10m
1:100(A3)

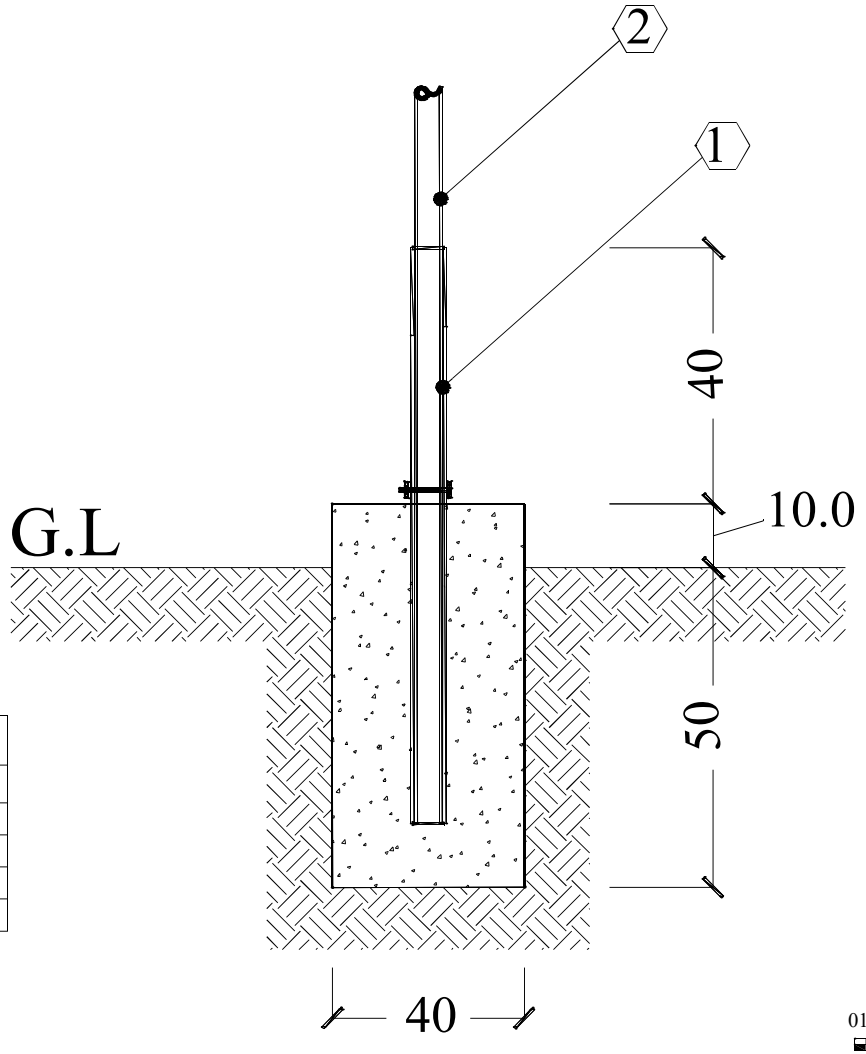
Surveyed by:	Eng. Mosamim, Matti & Rahimi	Submitted by:	No.	Submission Description:	Date:	Contract No:	
Drawn by:	Eng. Rohul Amin		01	For Construction	10/11/2026	Contract Date:	
Designed By:	Eng. Rohul Amin					Fiscal Year:	2026
Checked By:	Eng. Noor Rahman					Drawn Code:	CWW
Approved by Visa Committee:	Karimullah Fazil					Paper Size:	A3
						Plot Date:	04/10/2026
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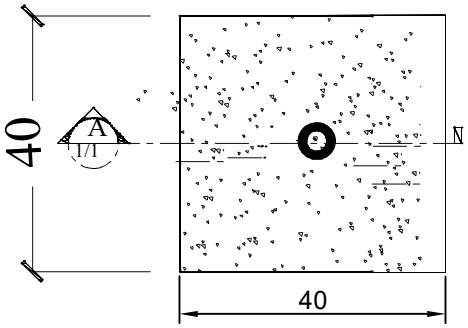
156 SQ-M GREENHOUSE TYPICAL DESIGN

FCDO - PREVALE PROJECT

Sheet Reference Number
CWW-A302

Note: All Dimension are in (cm)
As per site implementation will direction specified.





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

01 Greenhouse Column Plan and Section

SCWW-A302 REF Scale: 1:100

01 23 4 6 8 10m

1:100(A3)

Surveyed by:	Eng. Mosamim, Rahimim & Matti	Submitted by:	No.	Submission Description:	Date:
Drawn by:	Eng. Rohul Amin		01	For Construction	10/11/2026
Designed By:	Eng. Rohul Amin				
Checked By:	Eng. Noor Rahman				
Approved by Visa Committee:	Eng. Paolo Losi				

Contract No:	
Contract Date:	
Fiscal Year:	2026
Drawn Code:	CWW
Paper Size:	A3
Plot Date:	04/10/2026
Scale:	1: 100

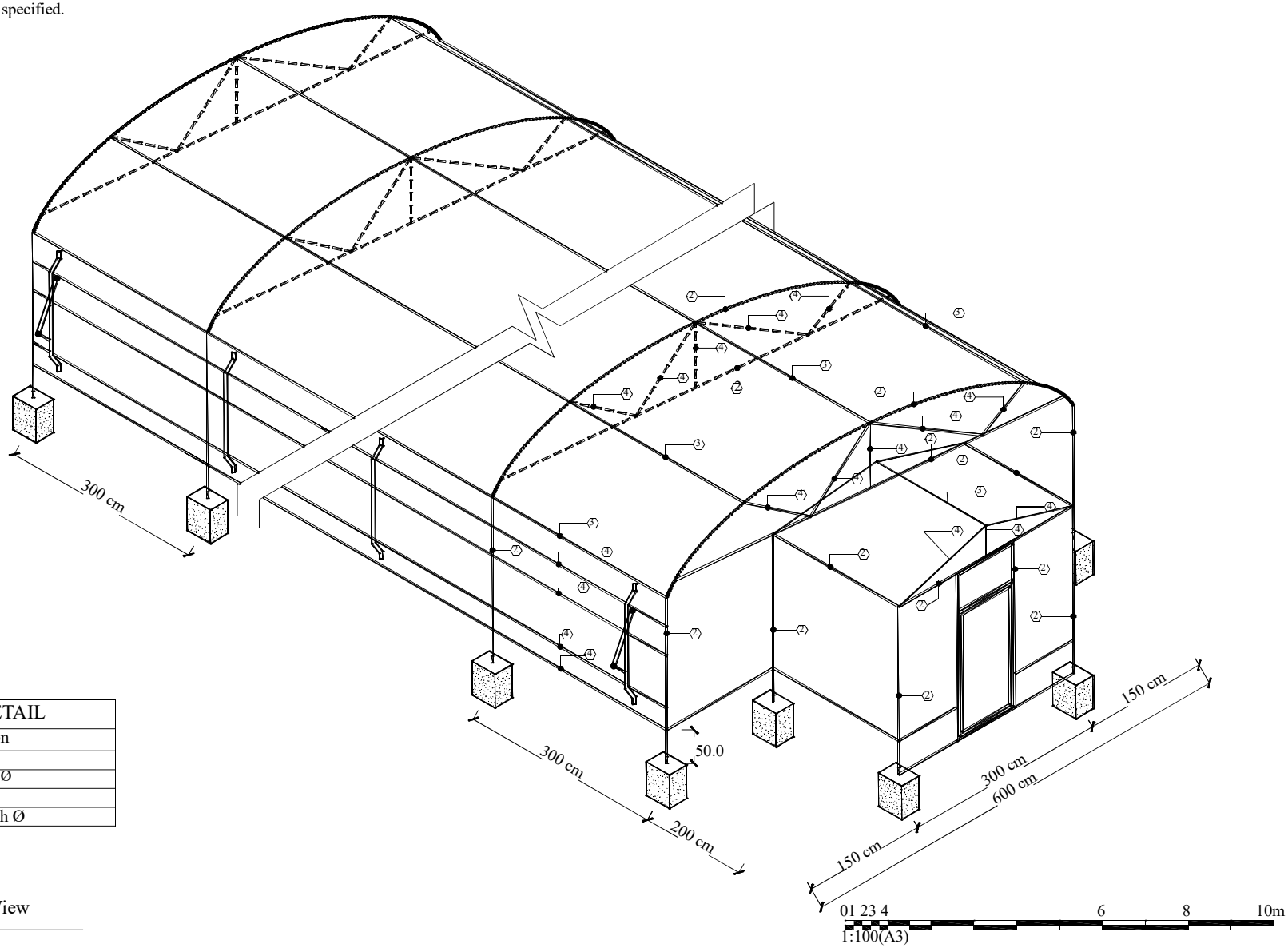
156 SQ-M GREENHOUSE TYPICAL DESIGN

FCDO - PREVALE PROJECT

Sheet Reference Number

CWW-A302

Note: All Dimension are in (cm)
As per site implementation will direction specified.



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

01 Greenhouse Isometric View

CWW-A302 REF Scale: 1:100

Surveyed by:	Eng. Mosamim, Matti and Rahimi	
Drawn by:	Eng. Rohul Amin	
Designed By:	Eng. Rohul Amin	
Checked By:	Eng. Noor Rahman	
Approved by Visa Committee:	Karimullah Fazil	

Submitted by:

No.	Submission Description:	Date:
01	For Construction	10/11/2026

Contract No:	
Contract Date:	
Fiscal Year:	2026
Drawn Code:	SCI
Paper Size:	A3
Plot Date:	04/10/2026
Scale:	1: 100

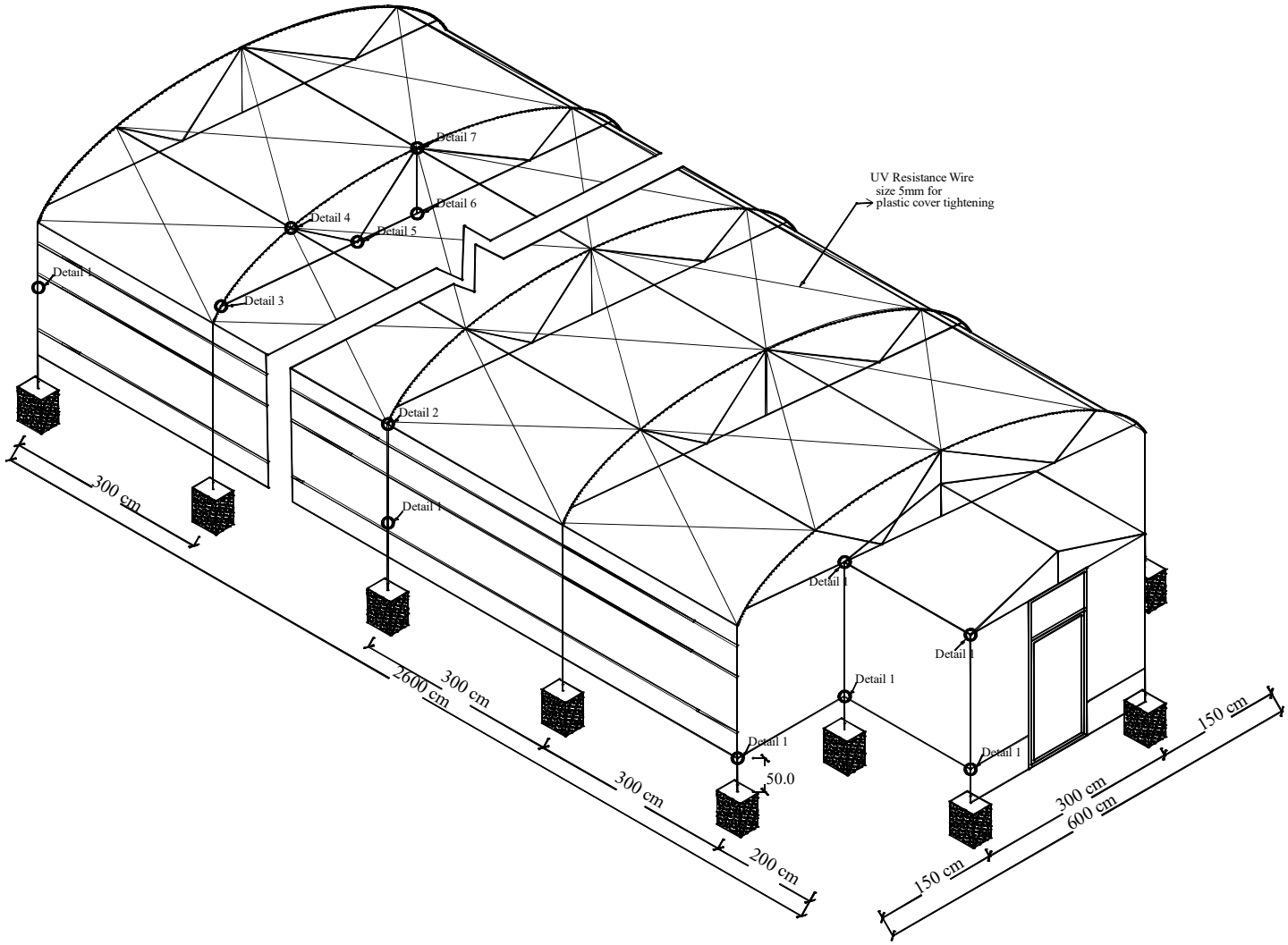
156 SQ-M GREENHOUSE TYPICAL DESIGN

FCDO - PREVALE PROJECT

Sheet Reference Number

CWW-A302

Note: All Dimension are in (cm)
As per site implementation will direction specified.



01 Greenhouse Isometric View

CWW-A302 REF Scale: 1:100

01 23 4 6 8 10m
1:100(A3)

Surveyed by:	Eng. Mosamim, Matti and Rahimi	Submitted by:	No.	Submission Description:	Date:	Contract No:	
Drawn by:	Eng. Rohul Amin		01	For Construction	10/11/2026	Contract Date:	
Designed By:	Eng. Rohul Amin					Fiscal Year:	2026
Checked By:	Eng. Noor Rahman					Drawn Code:	CWW
Approved by Visa Committee:	Karimullah Fazil					Paper Size:	A3
						Plot Date:	04/10/2026
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156 SQ-M GREENHOUSE TYPICAL DESIGN

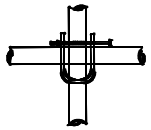
FCDO - PREVALE PROJECT

Sheet Reference Number

CWW-A302

Note: All Dimension are in (cm)
As per site implementation will direction specified.

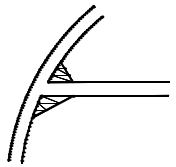
Detail 1
clamp type joint



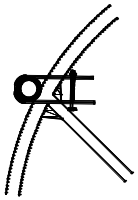
Detail 2
Welded joint



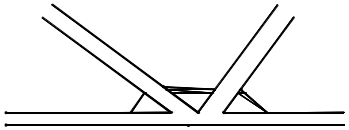
Detail 3
Welded joint



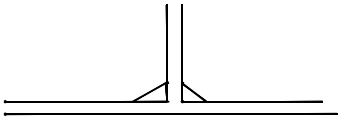
Detail 4
Welded and clamp joint



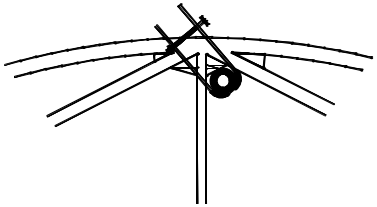
Detail 5
Welded and clamp joint



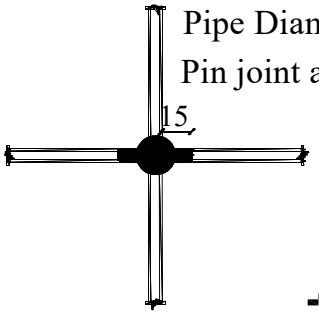
Detail 6
Welded and clamp joint



Detail 7
Welded and clamp joint



Four Joint Installed to Each Arch Welded Joint Set as Pipe Diameter and It is not Welded Longitudinal GI Pipe Pin joint also Installed at Each Joint to all arch





1:100(A3)

01	Greenhouse Joints
CWW-A501	REF Scale: 1:100

Surveyed by:	Eng. Mosamim, Matti and Rahimi
Drawn by:	Eng. Rohul Amin
Designed By:	Eng. Rohul Amin
Checked By:	Eng. Noor Rahman
Approved by Visa Committee:	Karimullah Fazil

Submitted by:

No.	Submission Description:	Date:
01	For Construction	10/11/2026

Contract No:	
Contract Date:	
Fiscal Year:	2026
Drawn Code:	CWW
Paper Size:	A3
Plot Date:	04/10/2026
Scale:	1: 100

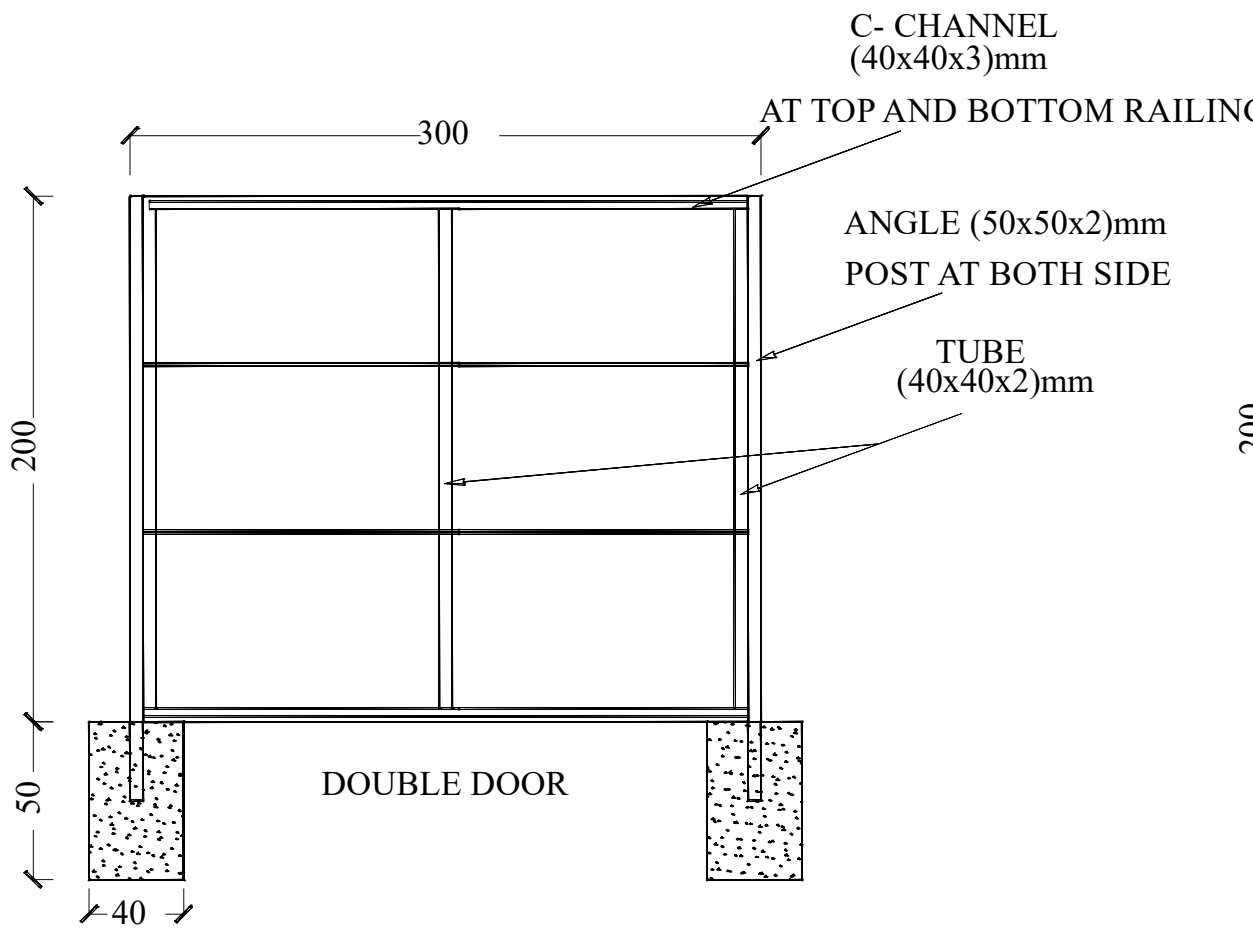
156 SQ-M GREENHOUSE TYPICAL DESIGN

FCDO - PREVALE PROJECT

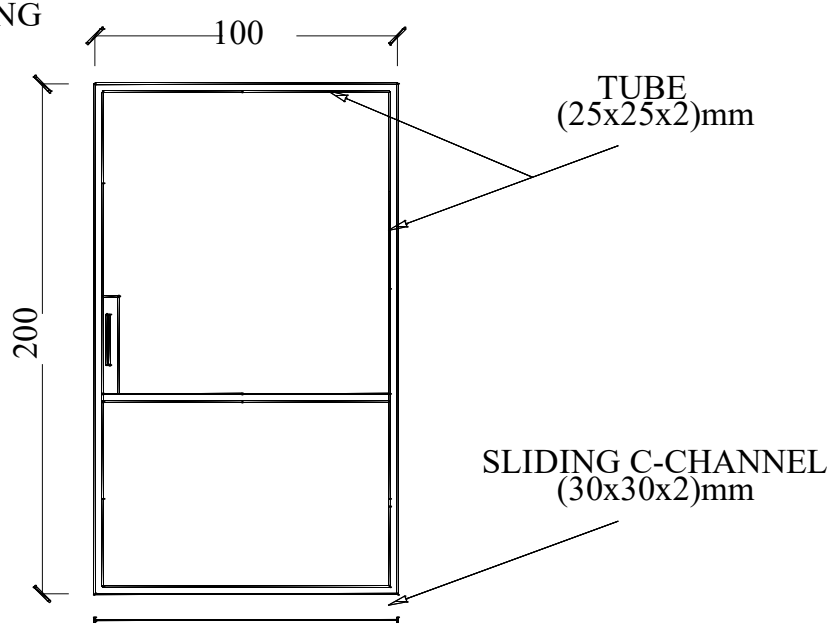
Sheet Reference Number
CWW-A302

Note: All Dimension are in (cm)
As per site implementation will direction specified.

DOUBLE DOOR AND SLIDE DOOR DETAILS



DOUBLE DOOR



SLIDING DOOR PANEL

01 Greenhouse Double Door

CWW-A302 REF Scale: 1:100

01 23 4 6 8 10m
1:100(A3)

Surveyed by:	Eng. Mosamim, Rahimimi & Matti	Submitted by:	No.	Submission Description:	Date:	Contract No:	
Drawn by:	Eng. Rohul Amin		01	For Construction	10/11/2026	Contract Date:	
Designed By:	Eng. Rohul Amin					Fiscal Year:	2026
Checked By:	Eng. Noor Rahman					Drawn Code:	CWW
Approved by Visa Committee:	Eng. Paolo Losii					Paper Size:	A3
						Plot Date:	04/10/2026
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156 SQ-M GREENHOUSE TYPICAL DESIGN

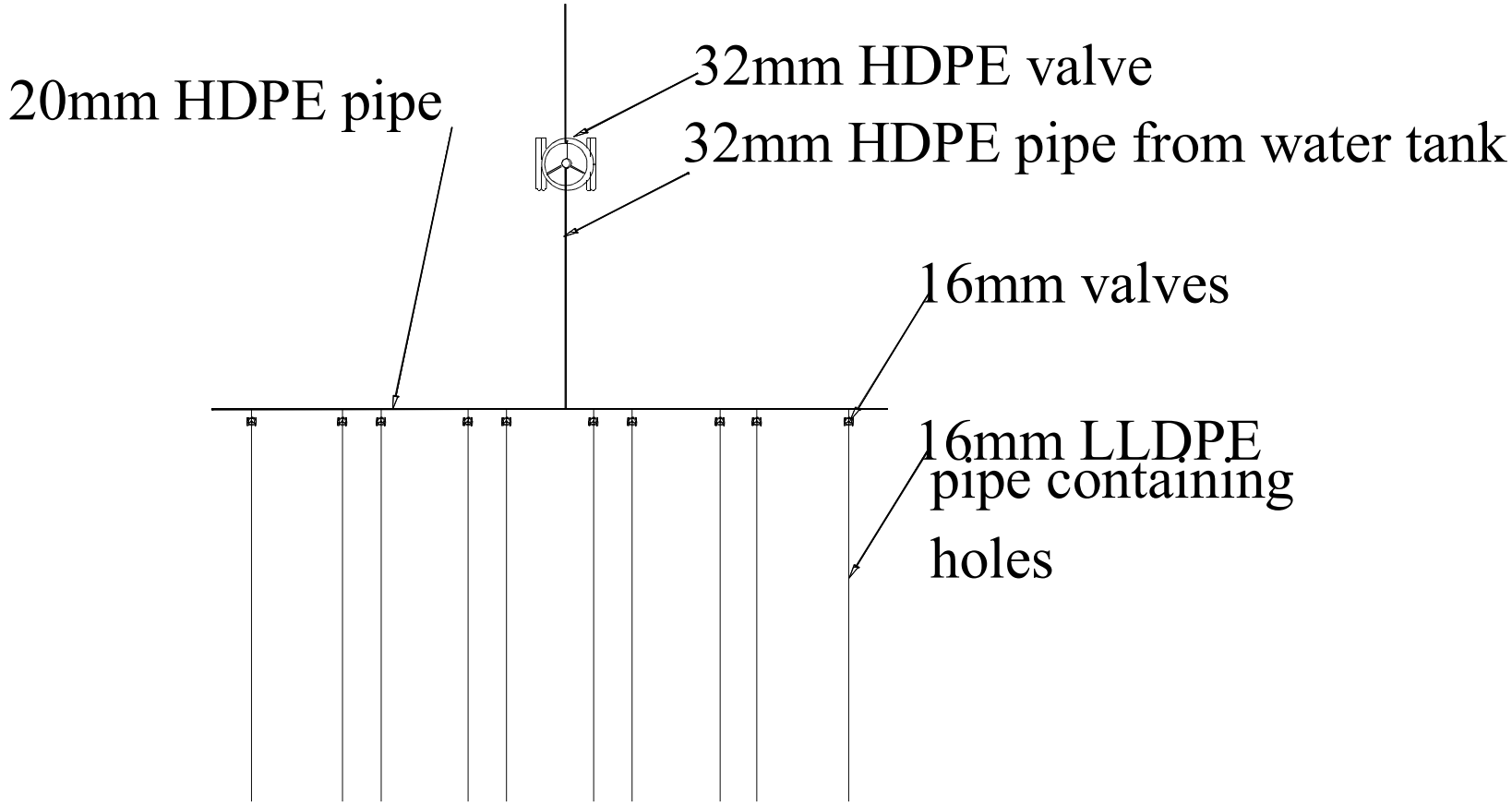
FCDO - PREVALE PROJECT

Sheet Reference Number

CWW-A302

Note: All Dimension are in (cm)
As per site implementation will direction specified.

Drip irrigation line diagram



01	Drip Irrigation
CWW-A302	REF Scale: 1:100

01 23 4 6 8 10m
1:100(A3)

Surveyed by:	Eng. Mosamim, Matti and Rahimi	
Drawn by:	Eng. Rohul Amin	
Designed By:	Eng. Rohul Amin	
Checked By:	Eng. Noor Rahman	
Approved by Visa Committee:	Karimullah Fazil	

Submitted by:

No.	Submission Description:	Date:
01	For Construction	10/11/2026

Contract No:	
Contract Date:	
Fiscal Year:	2026
Drawn Code:	CWW
Paper Size:	A3
Plot Date:	04/10/2026
Scale:	1: 100

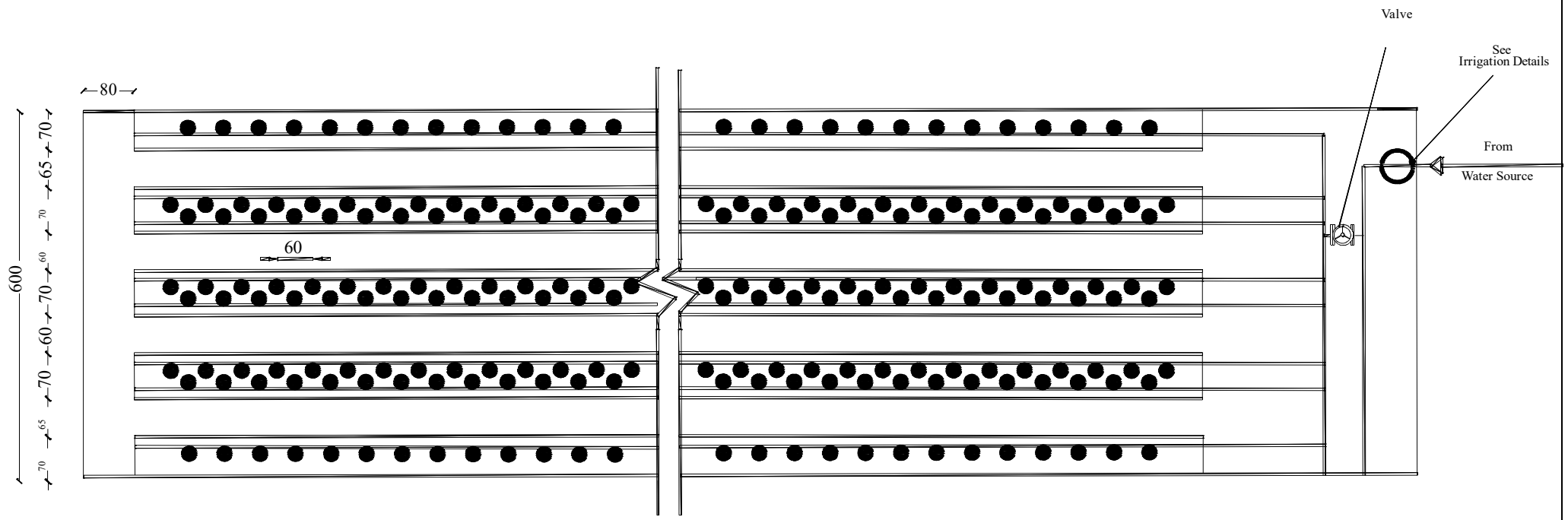
156 SQ-M GREENHOUSE TYPICAL DESIGN

FCDO - PREVALE PROJECT

Sheet Reference Number

CWW-A302

Note: All Dimension are in (cm)
As per site implementation will direction specified.



01	Drip Irrigation
CWW-A302	REF Scale: 1:100

01 23 4 6 8 10m
1:100(A3)

Surveyed by:	Eng. Mosamim, Matti and Rahimi
Drawn by:	Eng. Rohul Amin
Designed By:	Eng. Rohul Amin
Checked By:	Eng. Noor Rahman
Approved by Visa Committee:	Karimullah Fazil

Submitted by:

No.	Submission Description:	Date:
01	For Construction	10/11/2026

Contract No:	
Contract Date:	
Fiscal Year:	2026
Drawn Code:	CWW
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Scale:	1: 100

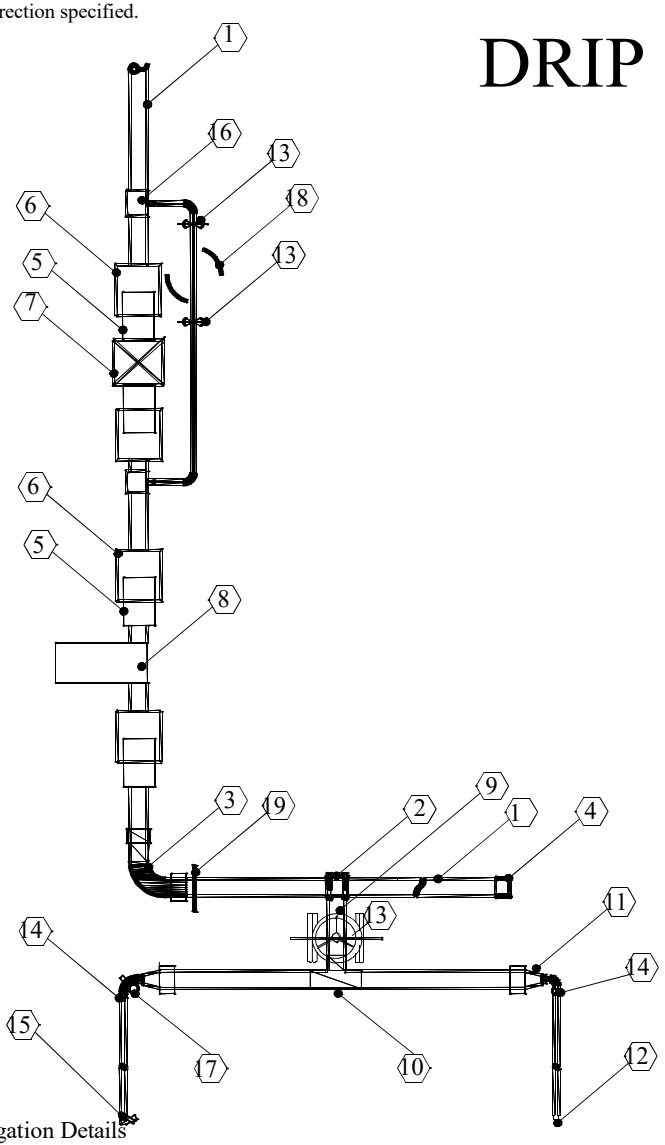
156 SQ-M GREENHOUSE TYPICAL DESIGN

FCDO - PREVALE PROJECT

Sheet Reference Number
CWW-A302

Note: All Dimension are in (cm)
As per site implementation will direction specified.

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 1" DISC STRAINER 120 Mesh(130 Micron) working pressure 1-6 bar)
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

01	Drip Irrigation Details
CWW-A502	REF Scale: 1:20

01 23 4 6 8 10m

1:100(A3)

Surveyed by:	Eng. Mosamim, Rahimi and Matti	Submitted by:	No.	Submission Description:	Date:	Contract No:	
Drawn by:	Eng. Rohul Amin		01	For Construction	10/11/2026	Contract Date:	
Designed By:	Eng. Rohul Amin					Fiscal Year:	2026
Checked By:	Eng. Noor Rahman					Drawn Code:	CWW
Approved by Visa Committee:	Eng. Karimullah Fazil					Paper Size:	A3
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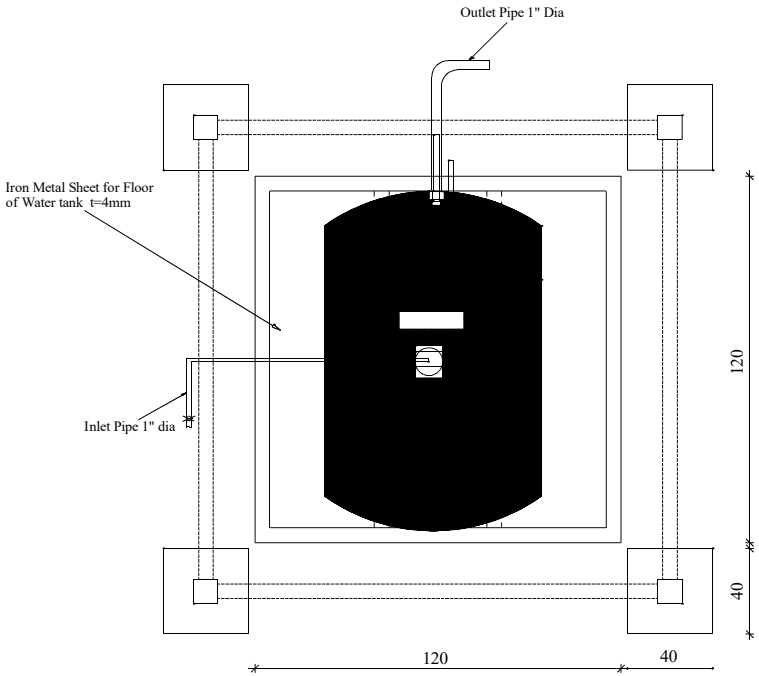
156 SQ-M GREENHOUSE TYPICAL DESIGN

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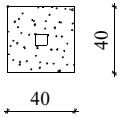
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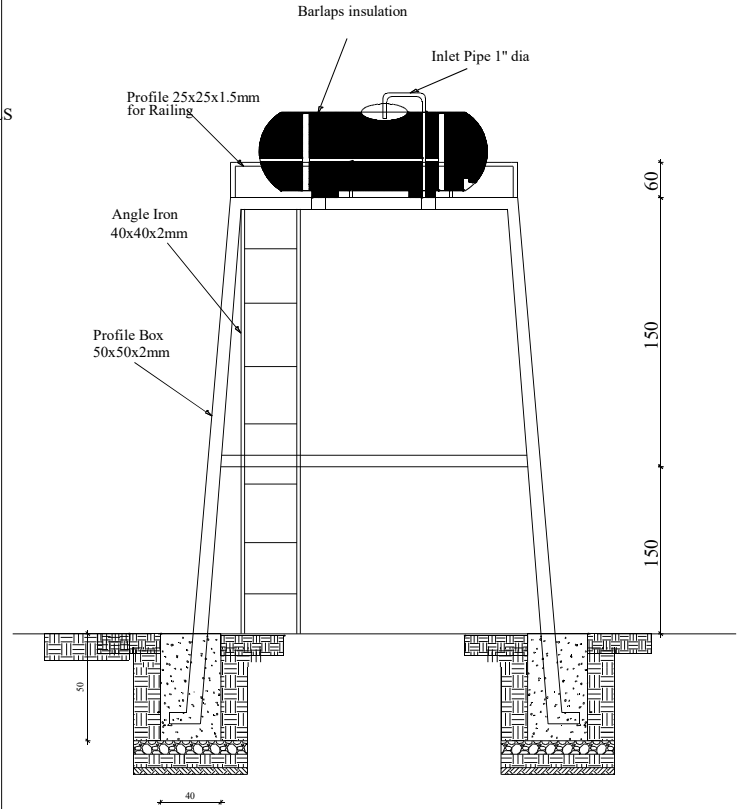
CWW-A302

Note: All Dimension are in (cm)
As per site implementation will direction specified.



FOUNDATION DETAILS





01	Greenhouse Water Tank Plan
CWW-A103	REF Scale: 1:100

01 23 4 6 8 10m
1:100(A3)

01	Greenhouse Water Tank Section
CWW-A306	REF Scale: 1:100

01	Drip Irrigation Water Tank Tower
CWW-A102	REF Scale: 1:100

01 23 4 6 8 10m
1:100(A3)

Surveyed by:	Eng. Mosamim, Rahimi & Matti
Drawn by:	Eng. Rohul Amin
Designed By:	Eng. Rohul Amin
Checked By:	Eng. Noor Rahman
Approved by Visa Committee:	Eng. Paolo Losi

Submitted by:

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01	For Construction	10/11/2026

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Contract Date:	
Fiscal Year:	2026
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Plot Date:	04/10/2026
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156 SQ-M GREENHOUSE TYPICAL DESIGN

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Sheet Reference Number
CWW-A302