Aga Khan Foundation, Afghanistan

National Programme Office, Kabul

Engineering Department

PND Training Hall

Wazir Akbar Khan Hospital,Kabul

(Architectural, Structural, Plumbing , Electrical Drawings)

September - 2018

Drawings List of PND Training Hall

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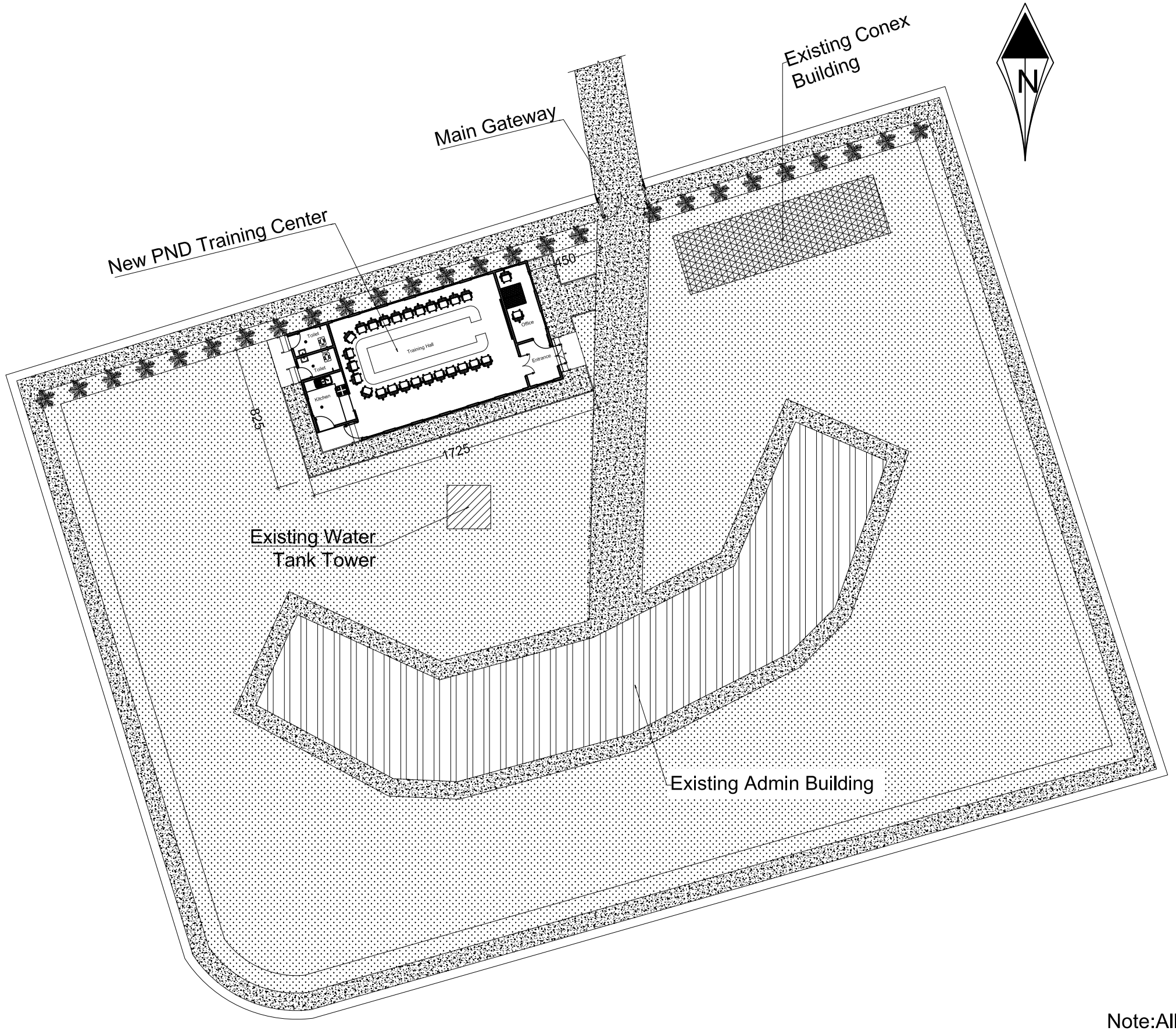
No.	Date	Revision		
			Architecture Designed by	Ahmad Atiq
1			Drawn	Ahmad Atiq
2			Checked by	Uma Shankar
3			Approved by	Bishwo Shrestha

Aga Khan Foundation, Afghanistan
National Programme Office, Engineering

Scale	As shown-A3	Sheet No.	01 / 32	Province: Kabul
Date	September-2018			District: 10
Drawing No.	00			Place: Wazir Akbar Khan Hospital

Project name: PND Training Hall conex building

Drawing Title: Drawings List



Note:All dimensions are in Cm.

No.	Date	Revision		
			Architecture Designed by	Ahmad Atiq
1			Drawn	Ahmad Atiq
2			Checked by	Uma Shankar
3			Approved by	Bishwo Shrestha

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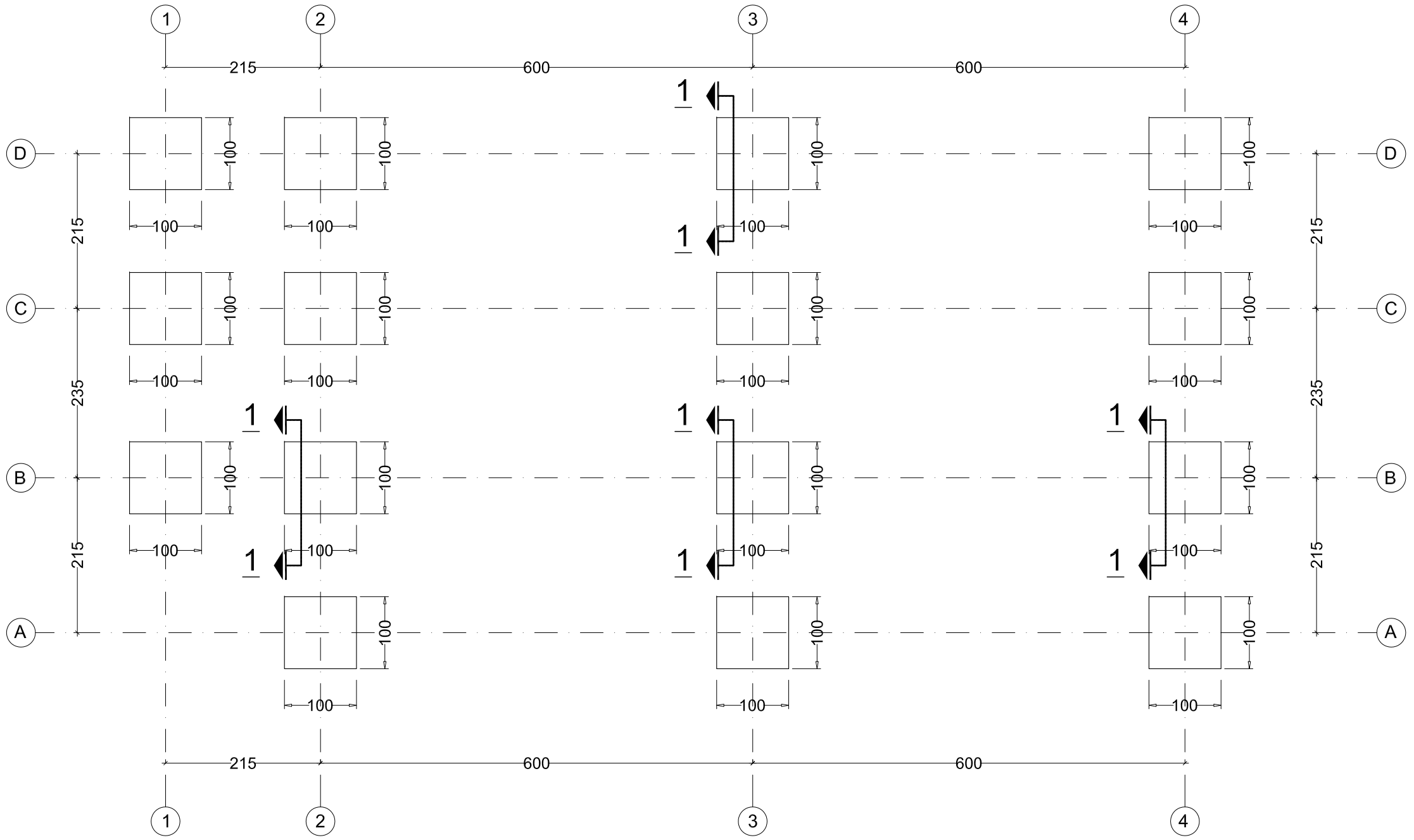
National Programme Office, Engineering

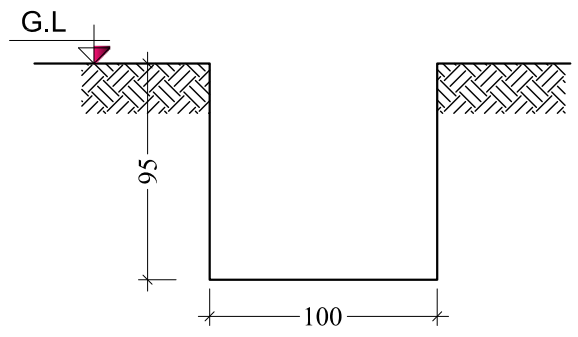
Scale	As shown-A3	Sheet No.	02 / 32	Province	Kabul
Date	September-2018			District	10
Drawing No.	01			Place	Wazir Akbar Khan Hospital

Project name: PND Training Hall conex building

Drawing Title: Site Plan



Footing Trench Layout Plan



Section 1-1

Note:All dimensions are in Cm.

No.	Date	Revision		
			Architecture Designed by	Ahmad Atiq
1			Drawn	Ahmad Atiq
2			Checked by	Uma Shankar
3			Approved by	Bishwo Shrestha

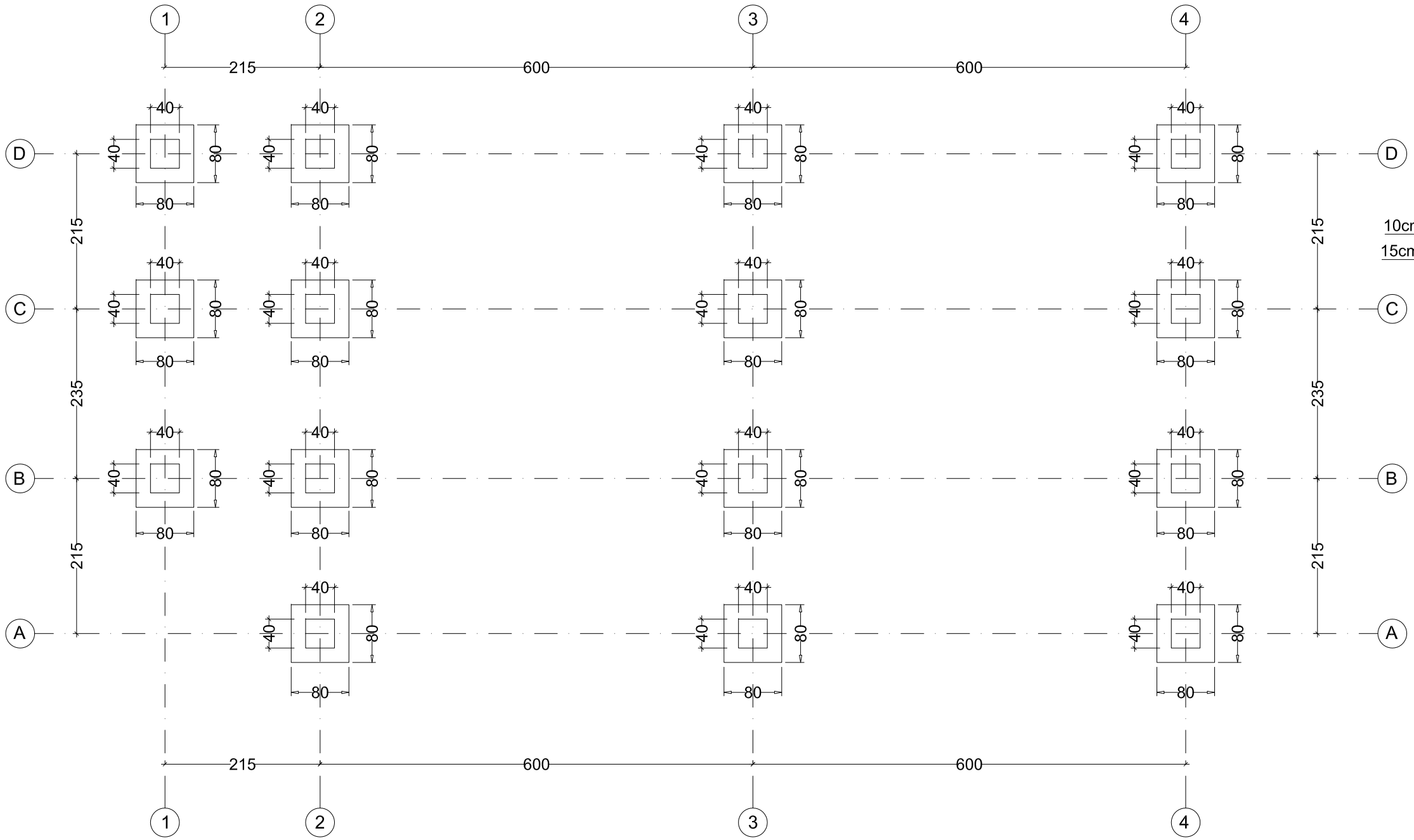
Aga Khan Foundation, Afghanistan
National Programme Office, Engineering

Scale	As shown-A3	Sheet No.	03/32
Date	September-2018		
Drawing No.	02		

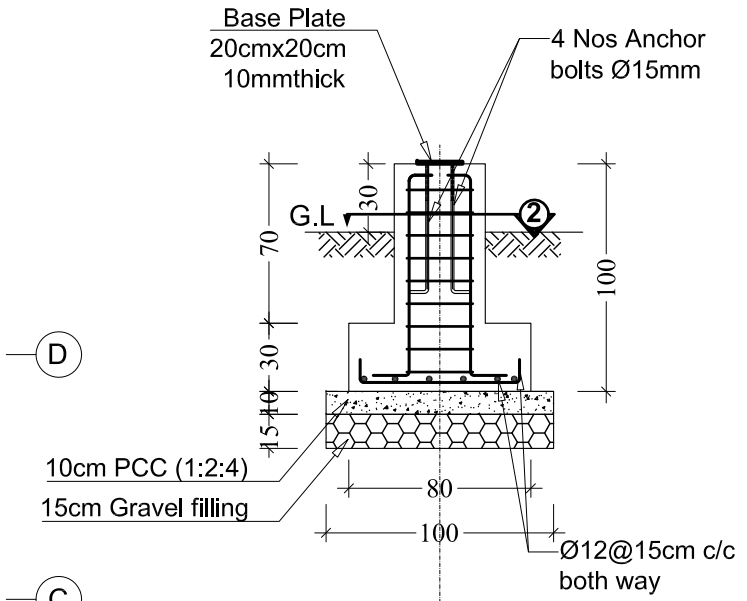
Province	Kabul
District	10
Place	Wazir Akbar Khan Hospital

Project name: PND Training Hall conex building

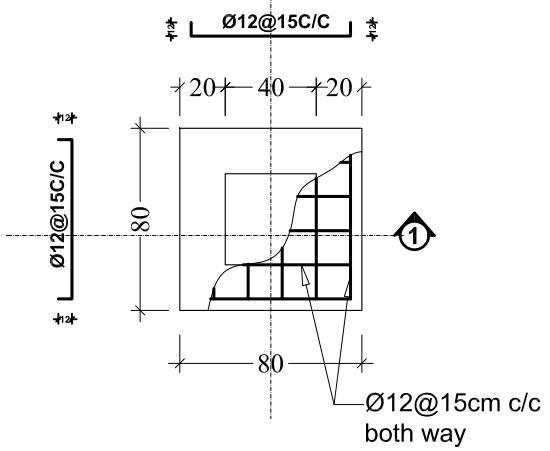
Drawing Title: Footing Trench Plan



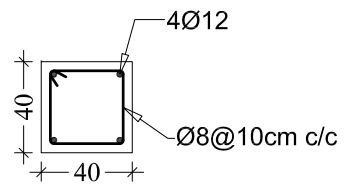
Footing Layout Plan



Section 1-1



Footing Plan



Section 2-2

Note:All dimensions are in Cm.

No.	Date	Revision		
			Architecture Designed by	Ahmad Atiq
1			Drawn	Ahmad Atiq
2			Checked by	Uma Shankar
3			Approved by	Bishwo Shrestha

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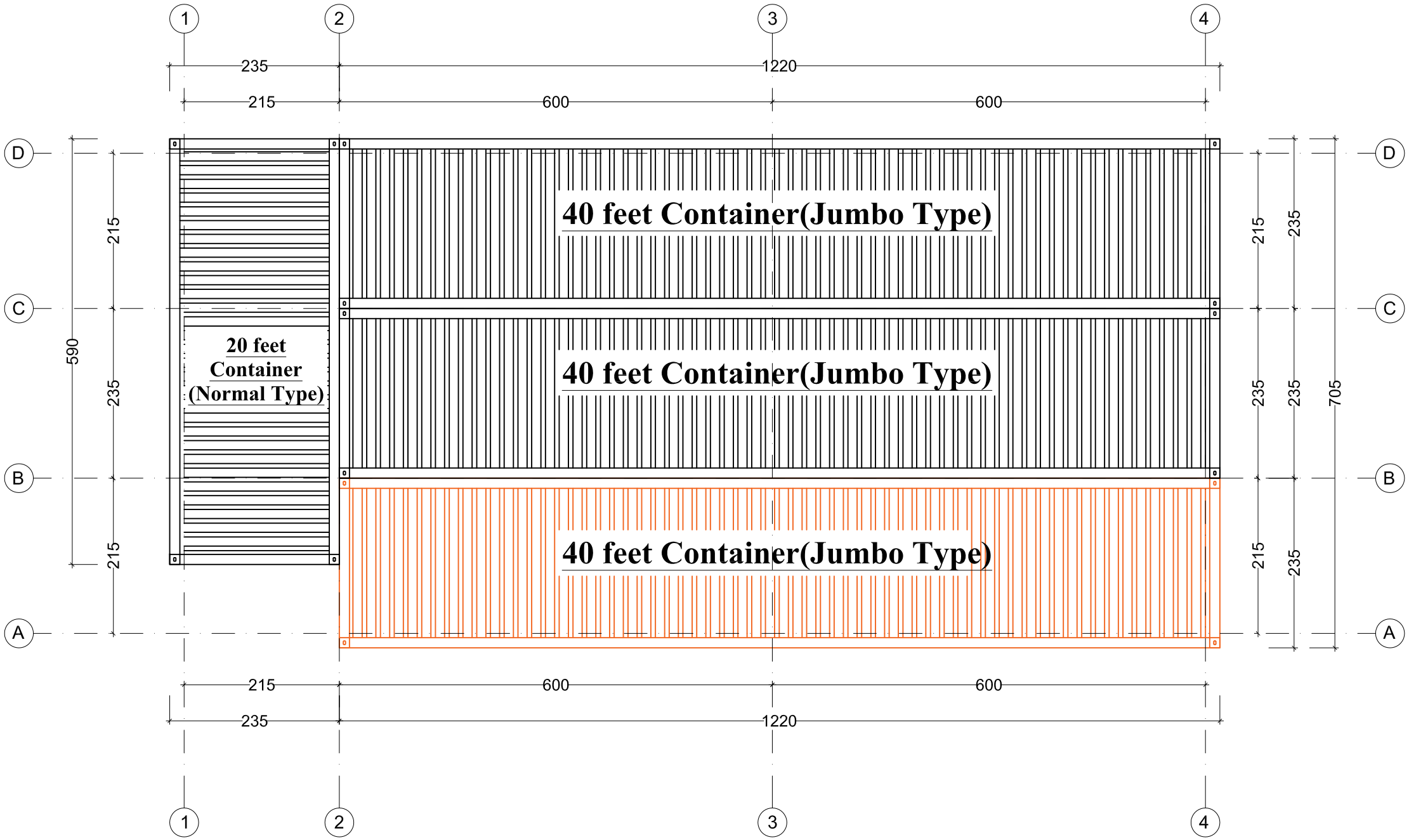
Scale	As shown-A3	Sheet No.	04/32	Province	Kabul
Date	September-2018			District	10
Drawing No.	03			Place	Wazir Akbar Khan Hospital

Project name: PND Training Hall conex building

Drawing Title: Footing Plan



Container Positioning Layout Plan
(40 Feet Containers are Jumbo Type)

Note:All dimensions are in Cm.

No.	Date	Revision		
			Architecture Designed by	Ahmad Atiq
1			Drawn	Ahmad Atiq
2			Checked by	Uma Shankar
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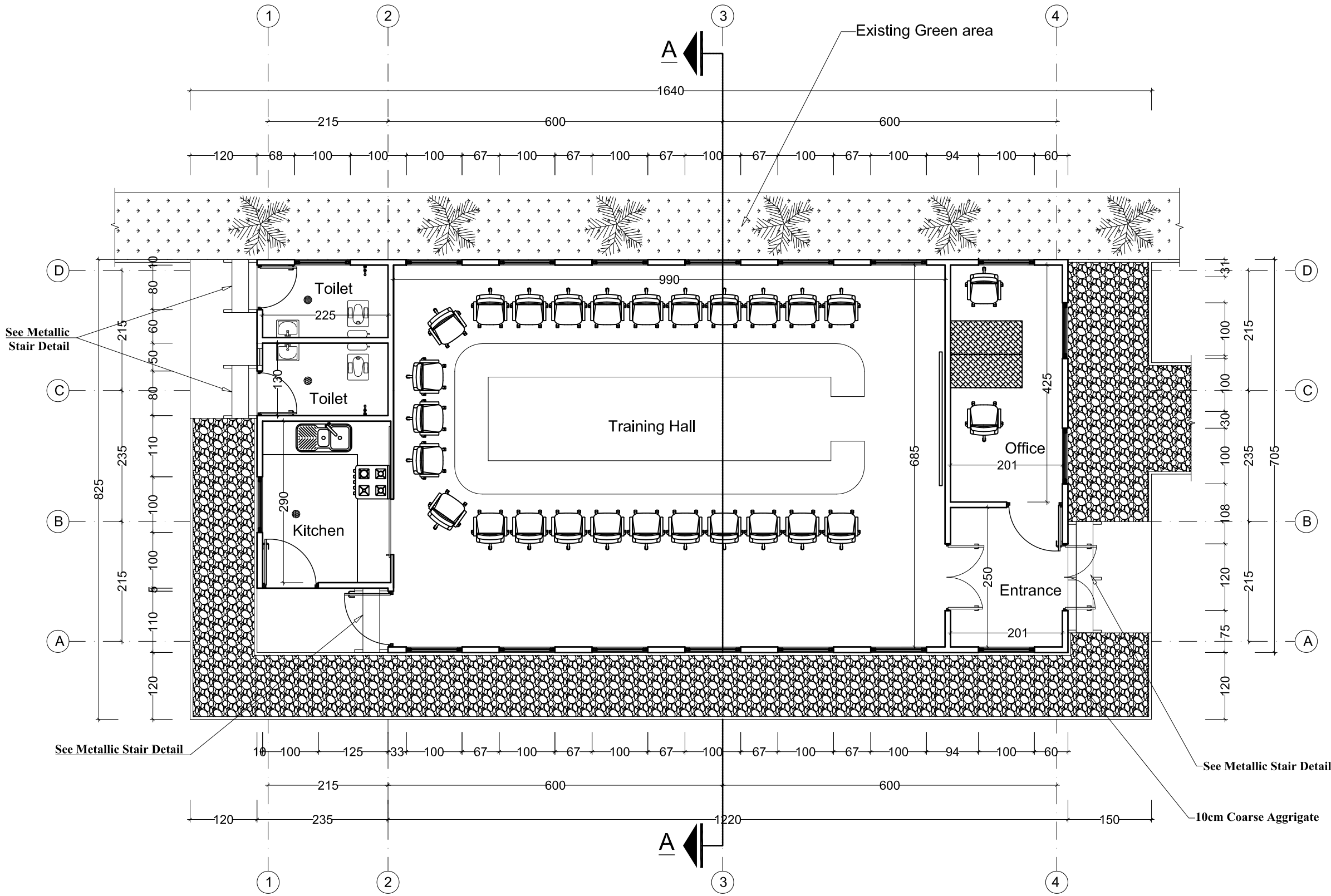
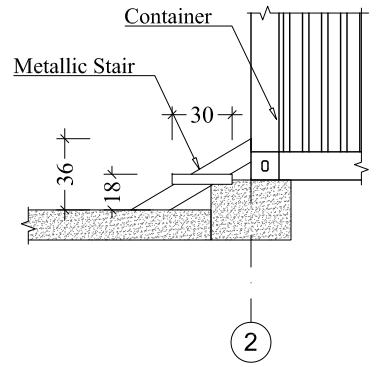
National Programme Office, Engineering

Scale	As shown-A3	Sheet No.	05 / 32	Province	Kabul
Date	September-2018			District	10
Drawing No.	04			Place	Wazir Akbar Khan Hospital

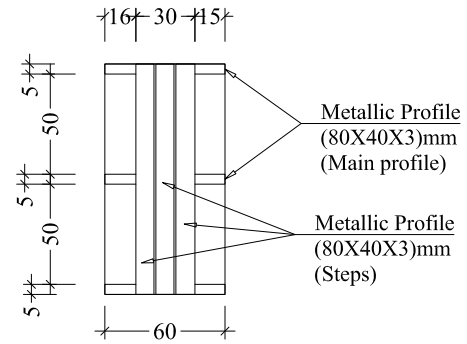
Project name: PND Training Hall conex building

Drawing Title: Container Positioning Plan





Metallic Stair Elevation



Metallic Stair Plan

Training Hall Floor Plan

3 Number 40feet Container(High Cube)

1 Number 20feet Container

Note:All dimensions are in Cm.

No.	Date	Revision		
			Architecture Designed by	Ahmad Atiq
1			Drawn	Ahmad Atiq
2			Checked by	Uma Shankar
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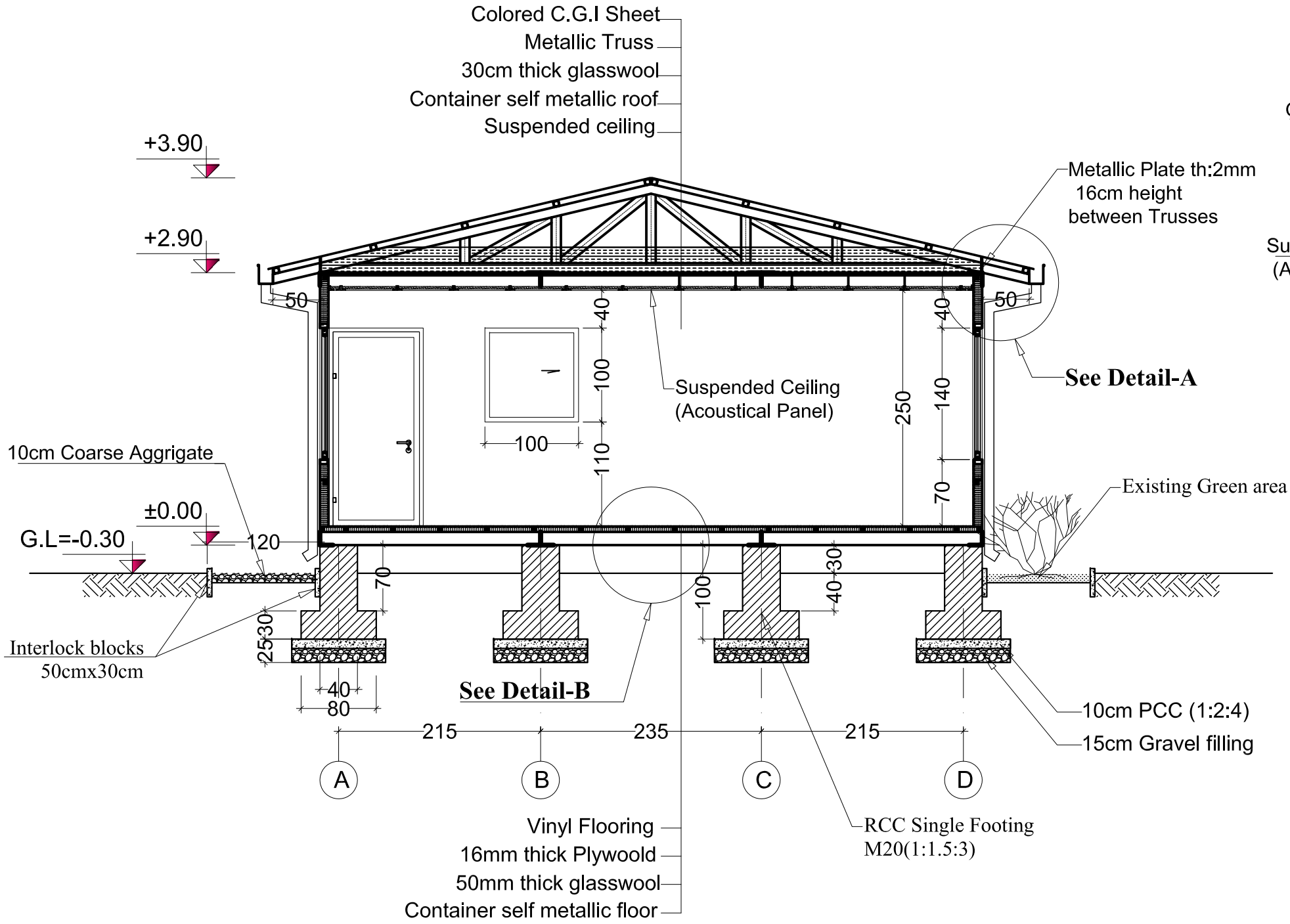
Aga Khan Foundation, Afghanistan
National Programme Office, Engineering

Scale	As shown-A3	Sheet No.	06 / 32
Date	September-2018		
Drawing No.	05		

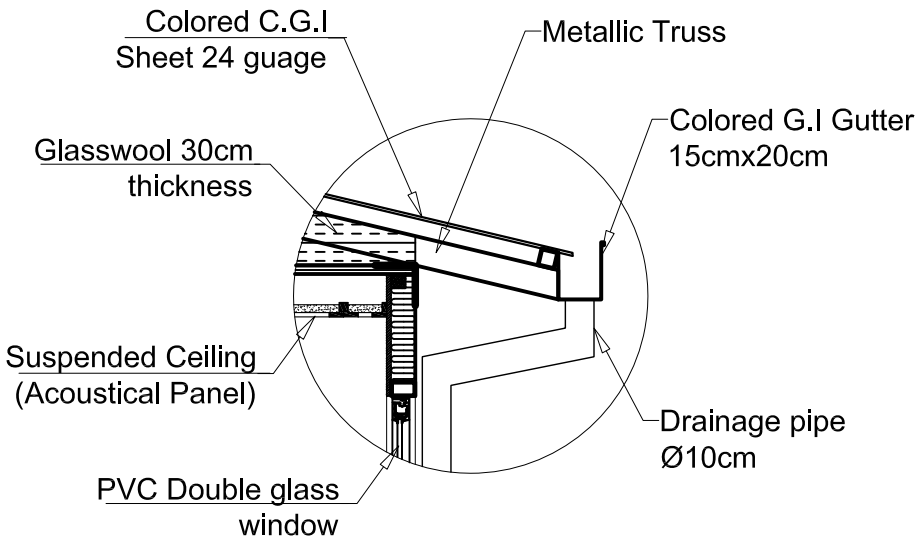
Province	Kabul
District	10
Place	Wazir Akbar Khan Hospital

Project name: PND Training Hall conex building

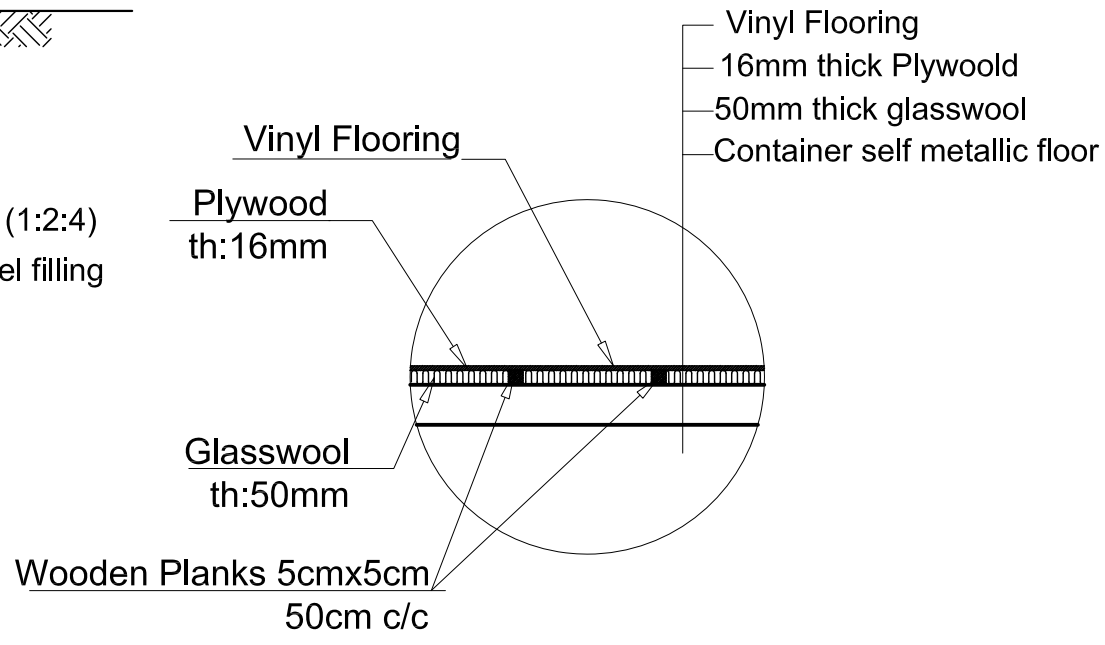
Drawing Title: Floor Plan



Section A-A



Detail-A



Detail-B

Note:All dimensions are in Cm.

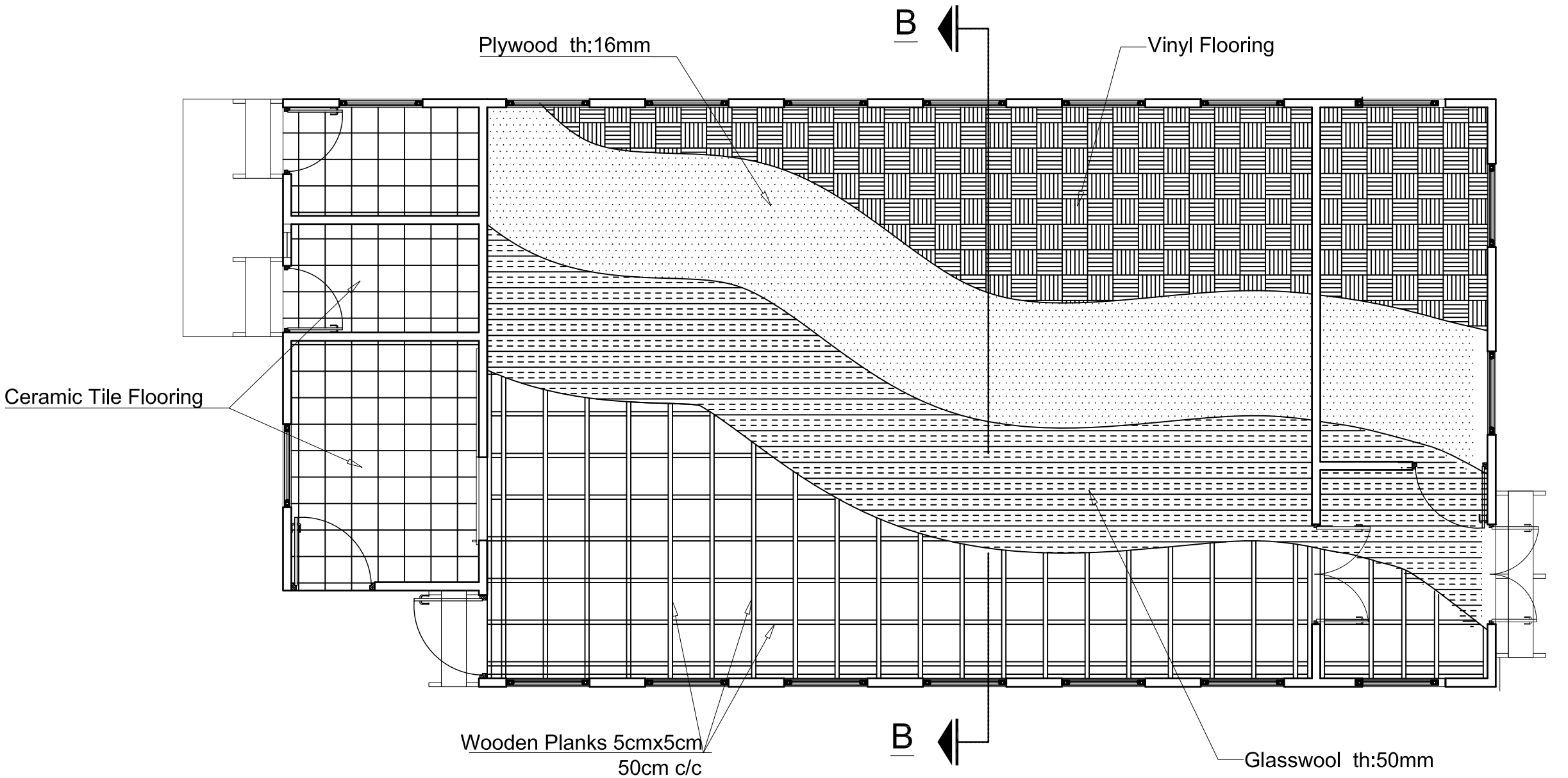
No.	Date	Revision		
			Architecture Designed by	Ahmad Atiq
1			Drawn	Ahmad Atiq
2			Checked by	Uma Shankar
3			Approved by	Bishwo Shrestha

Aga Khan Foundation, Afghanistan
National Programme Office, Engineering

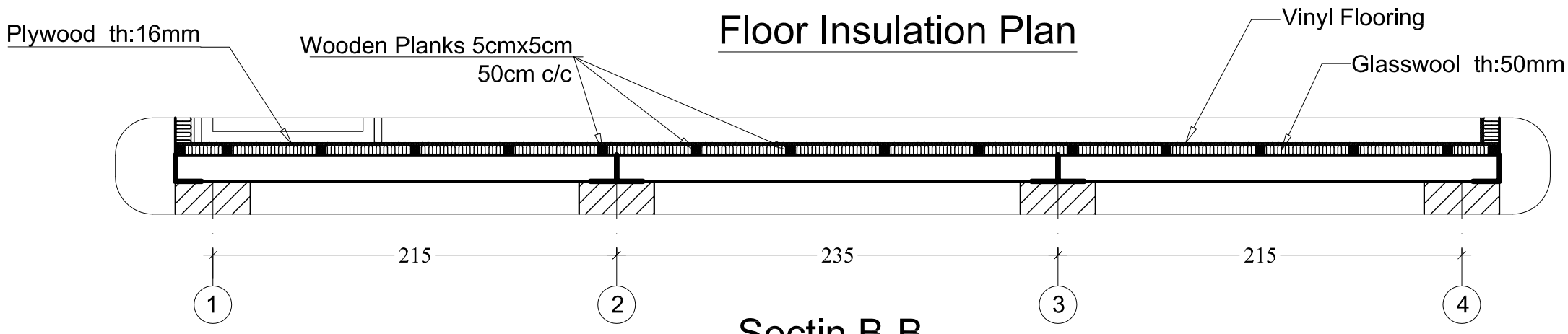
Scale	As shown-A3	Sheet No.	07 / 32	Province	Kabul
Date	September-2018			District	10
Drawing No.	06			Place	Wazir Akbar Khan Hospital

Project name: PND Training Hall conex building

Drawing Title: Section A-A



Floor Insulation Plan



Sectin B-B

Note:All dimensions are in Cm.

No.	Date	Revision		
			Architecture Designed by	Ahmad Atiq
1			Drawn	Ahmad Atiq
2			Checked by	Uma Shankar
3			Approved by	Bishwo Shrestha

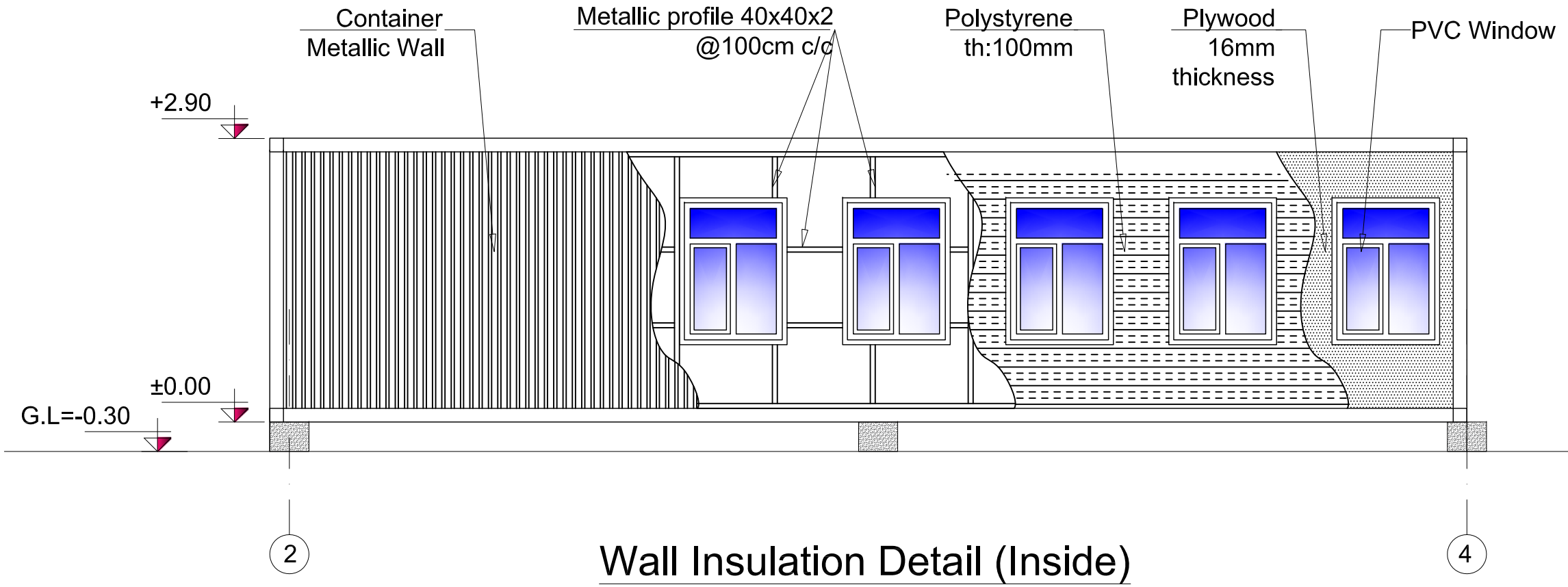
Aga Khan Foundation, Afghanistan
National Programme Office, Engineering

Scale	As shown-A3	Sheet No.	08 / 32
Date	September-2018		
Drawing No.	07		

Province	Kabul
District	10
Place	Wazir Akbar Khan Hospital

Project name: PND Training Hall conex building

Drawing Title: Floor Insulation Plan



Wall Insulation Detail (Inside)

No.	Date	Revision		
			Architecture Designed by	Ahmad Atiq
1			Drawn	Ahmad Atiq
2			Checked by	Uma Shankar
3			Approved by	Bishwo Shrestha

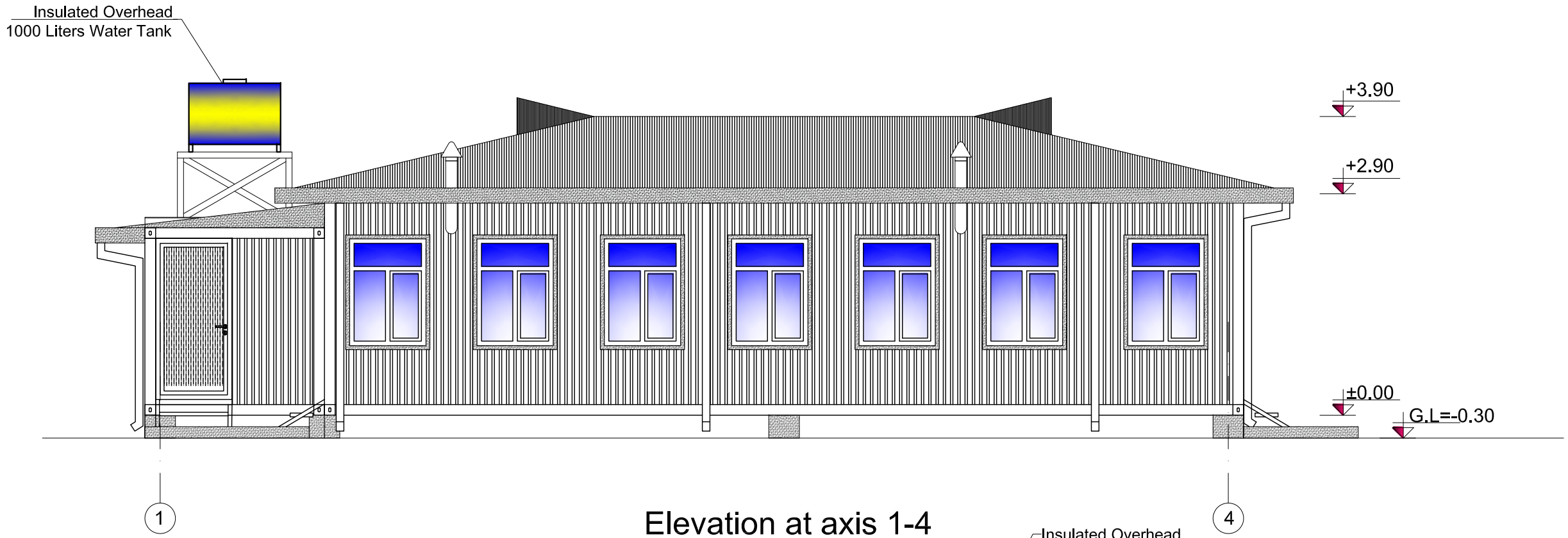
Aga Khan Foundation, Afghanistan
National Programme Office, Engineering

Scale	As shown-A3	Sheet No.	09/32
Date	September-2018		
Drawing No.	08		

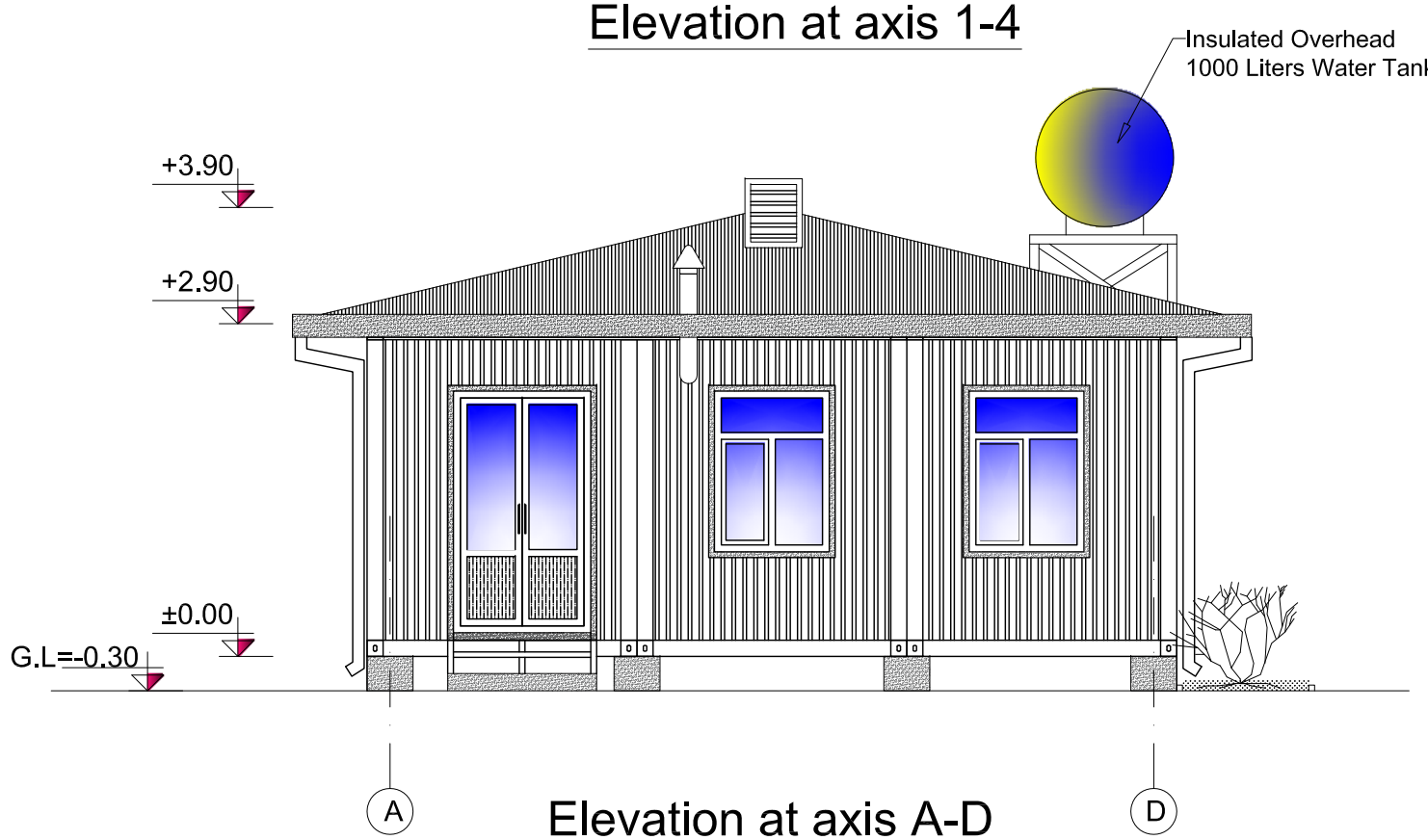
Province	Kabul
District	10
Place	Wazir Akbar Khan Hospital

Project name: PND Training Hall conex building

Drawing Title: Wall Insulation Plan



Elevation at axis 1-4



Elevation at axis A-D

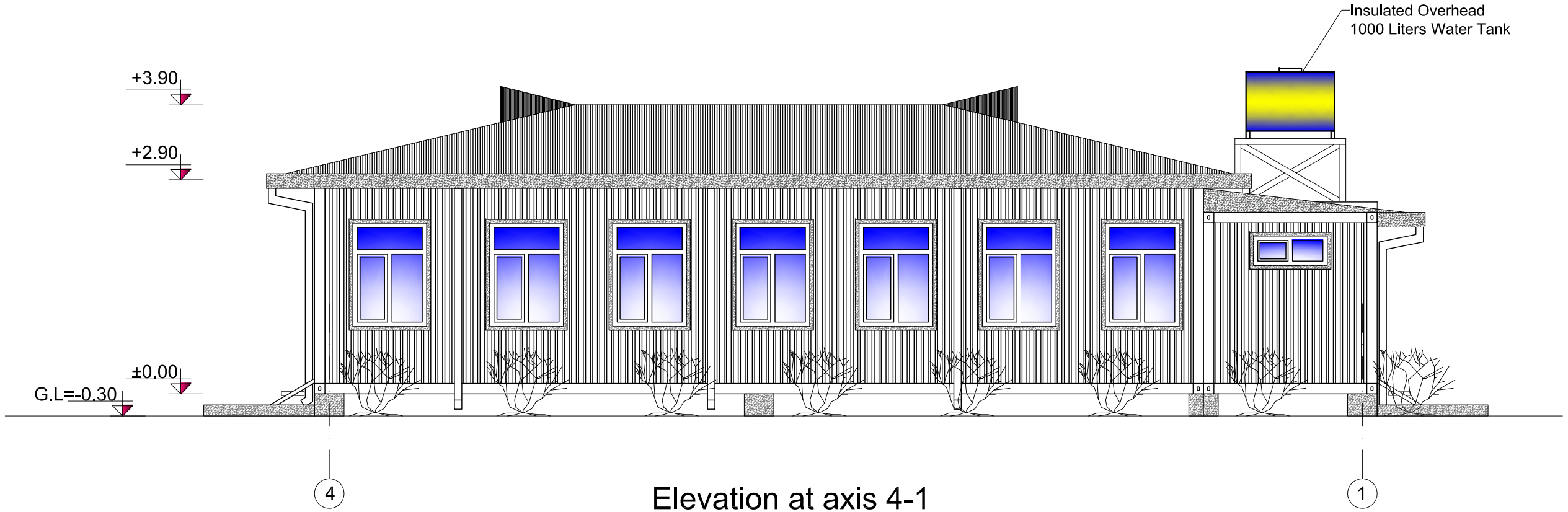
No.	Date	Revision		
1			Architecture Designed by	Ahmad Atiq
2			Drawn	Ahmad Atiq
3			Checked by	Uma Shankar
			Approved by	Bishwo Shrestha

Aga Khan Foundation, Afghanistan
National Programme Office, Engineering

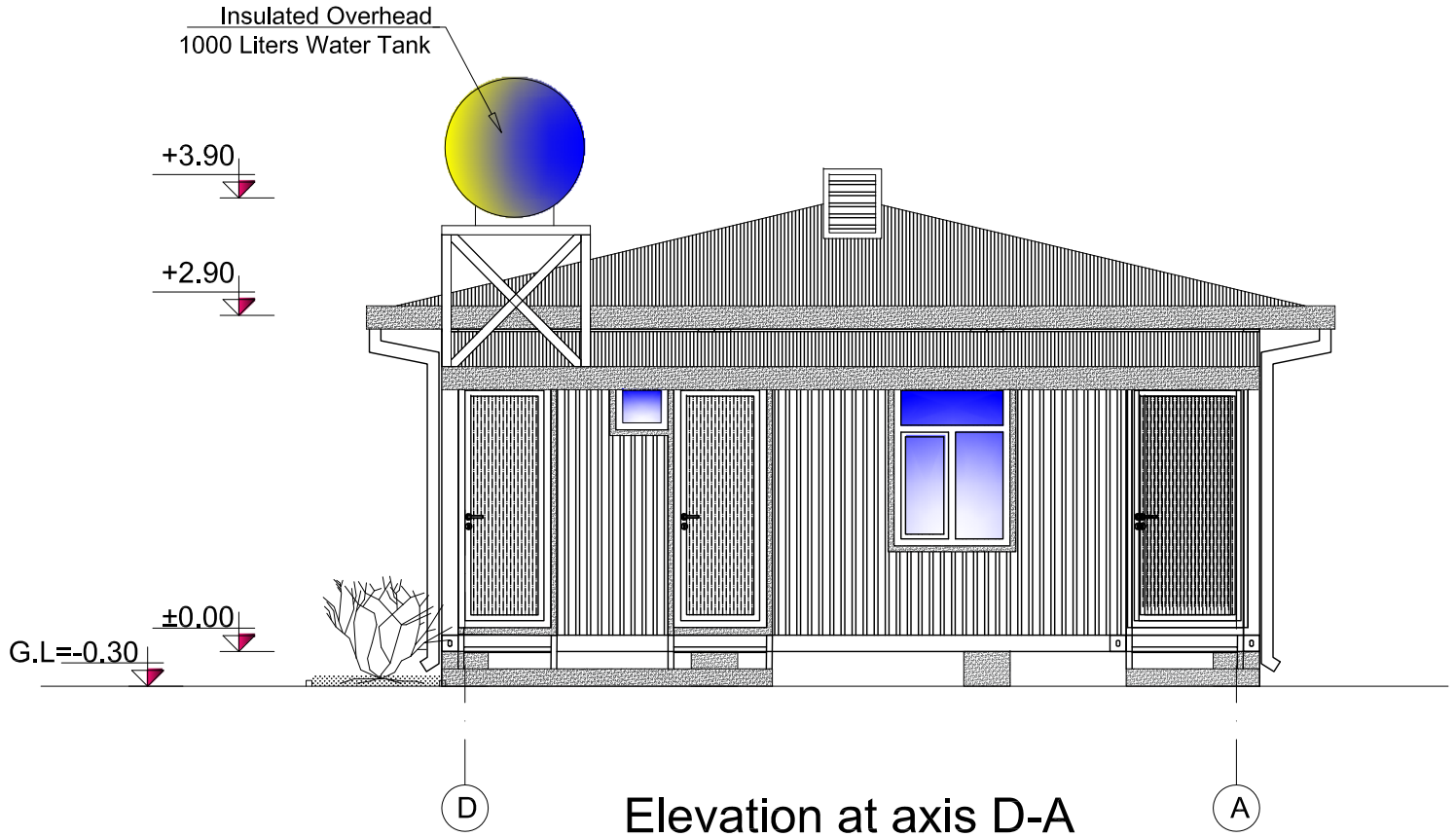
Scale	As shown-A3	Sheet No.	10/32	Province	Kabul
Date	September-2018			District	10
Drawing No.	09			Place	Wazir Akbar Khan Hospital

Project name: PND Training Hall conex building

Drawing Title: Elevations



Elevation at axis 4-1



Elevation at axis D-A

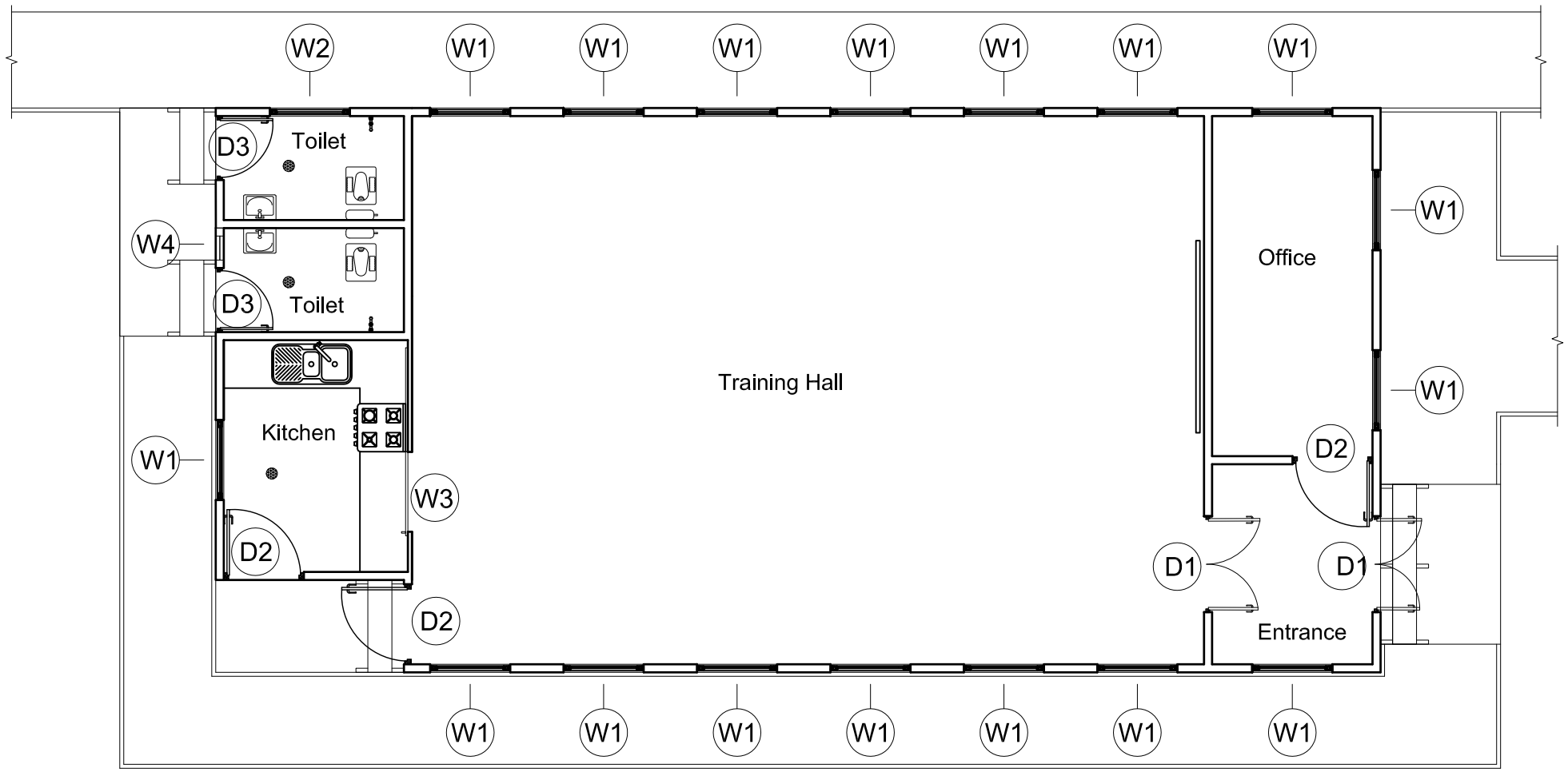
No.	Date	Revision		
			Architecture Designed by	Ahmad Atiq
1			Drawn	Ahmad Atiq
2			Checked by	Uma Shankar
3			Approved by	Bishwo Shrestha

Aga Khan Foundation, Afghanistan
National Programme Office, Engineering

Scale	As shown-A3	Sheet No.	11/32	Province	Kabul
Date	September-2018			District	10
Drawing No.	10			Place	Wazir Akbar Khan Hospital

Project name: PND Training Hall conex building

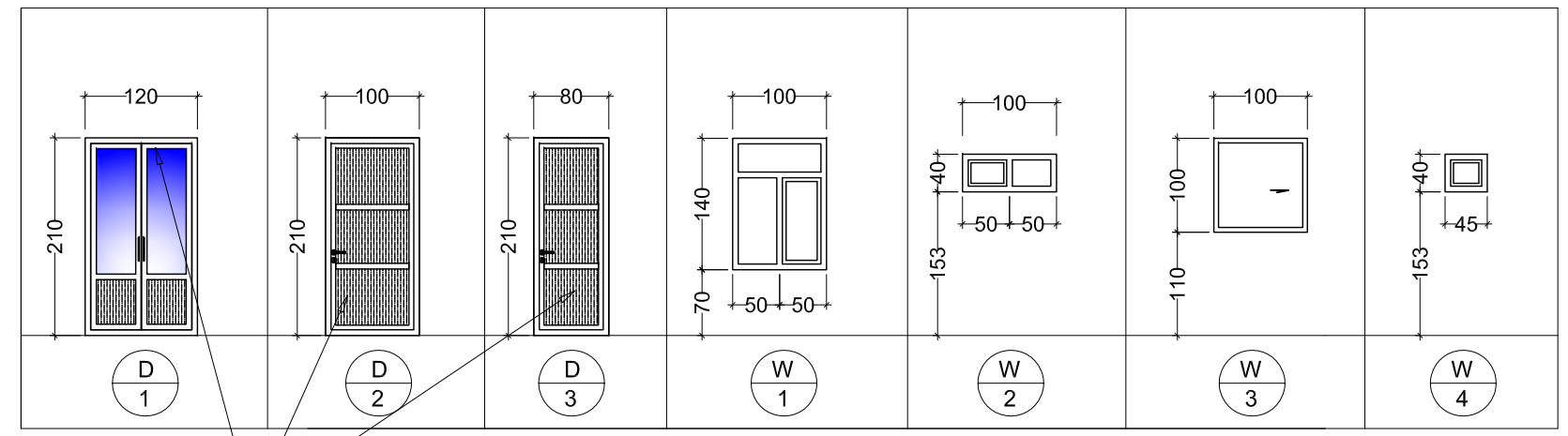
Drawing Title: Elevations



DOORS & WINDOWS SCHEDULE

NO.	DESCRIPTION	DIMENSIONS		TOTAL
		WIDTH	HEIGHT	
D 1	PVC DOOR	120	203	2
D 2	WOODEN DOOR	100	203	3
D 3	PVC DOOR	80	203	2
W 1	PVC WINDOW	100	140	17
W 2	PVC WINDOW	100	40	1
W 3	PVC WINDOW (SLIDING)	100	100	1
W 4	PVC WINDOW	45	40	1

Door and Window Plan



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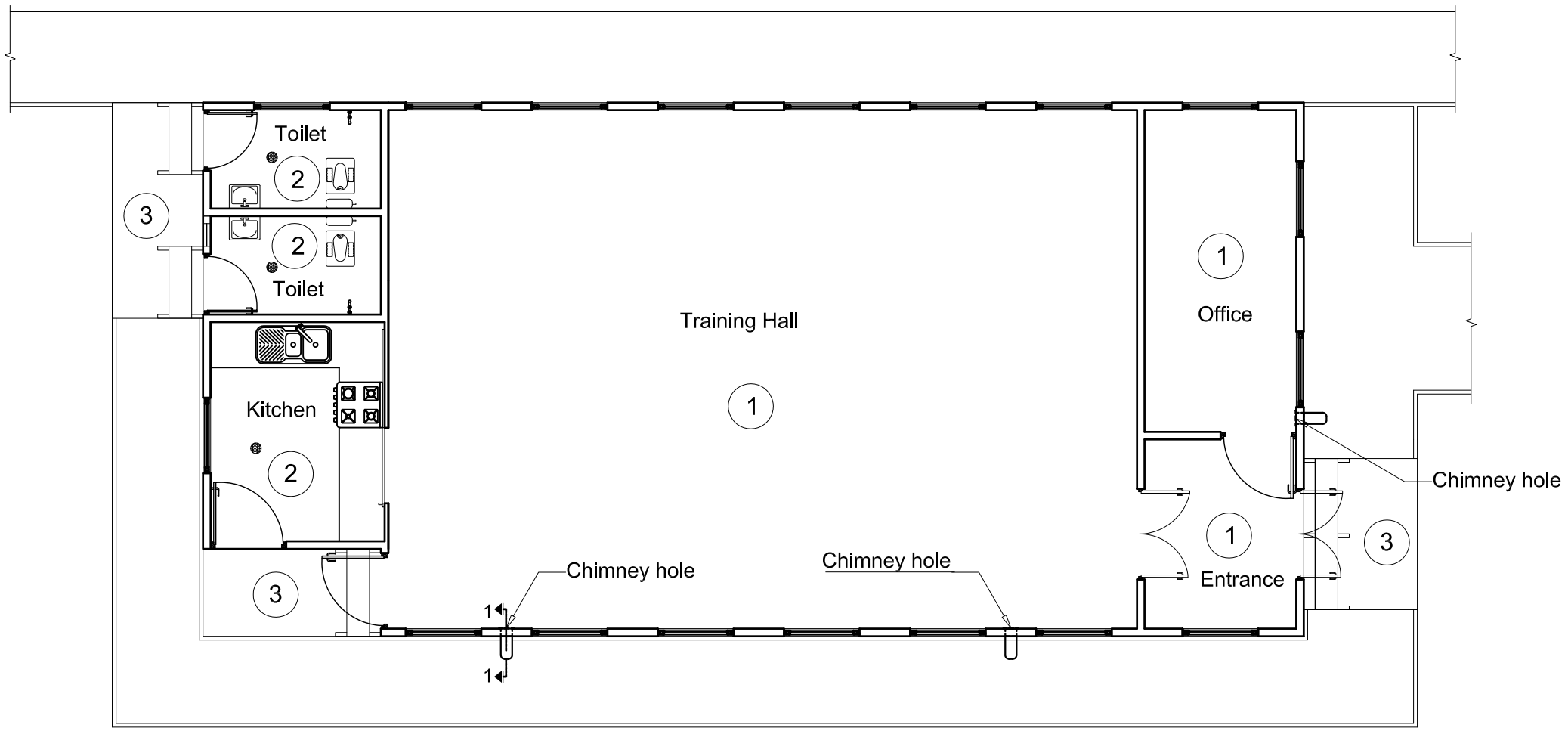
1			Drawn	Ahmad Atiq
2			Checked by	Uma Shankar
3			Approved by	Bishwo Shrestha

Aga Khan Foundation, Afghanistan
National Programme Office, Engineering

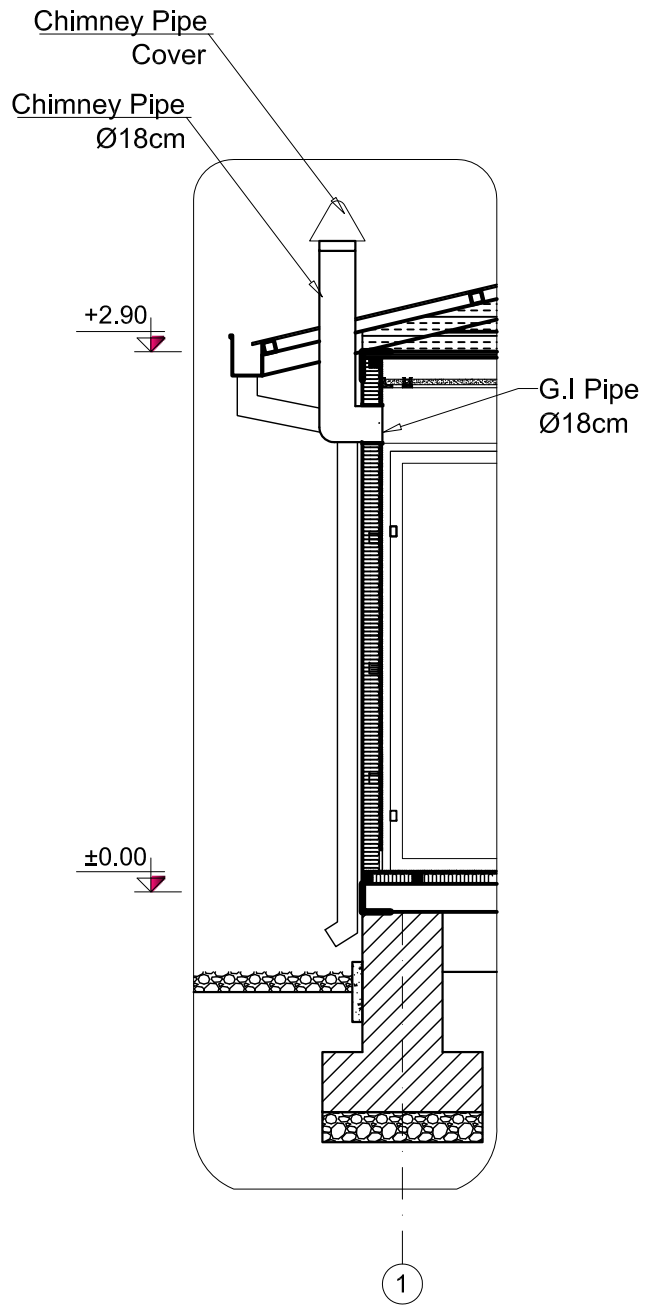
Scale	As shown-A3	Sheet No.	12 / 32	Province	Kabul
Date	September-2018			District	10
Drawing No.	11			Place	Wazir Akbar Khan Hospital

Project name: PND Training Hall conex building

Drawing Title: Door and Window Plan



Finishing Plan



Section 1-1

FINISHING SCHEDULE

FLOOR NAME	ROOM NO.	FLOORING				WALLS			CEILING		NOTES
		Vinyl Flooring	Ceramic Tile 25x25	Color	PCC Non-Skidding	Oil Paint Full Height	Ceramic Tile 25cm x 40cm 1.5m Hight	Color	SUSPENDED CEILING	Color	
	01	●		Wooden Decor		●		Off White	●	White	
	02		●	White		●		Off White	●	White	
	03				●						

No.	Date	Revision
1		
2		
3		

Architecture Designed by	Ahmad Atiq
Drawn	Ahmad Atiq
Checked by	Uma Shankar
Approved by	Bishwo Shrestha

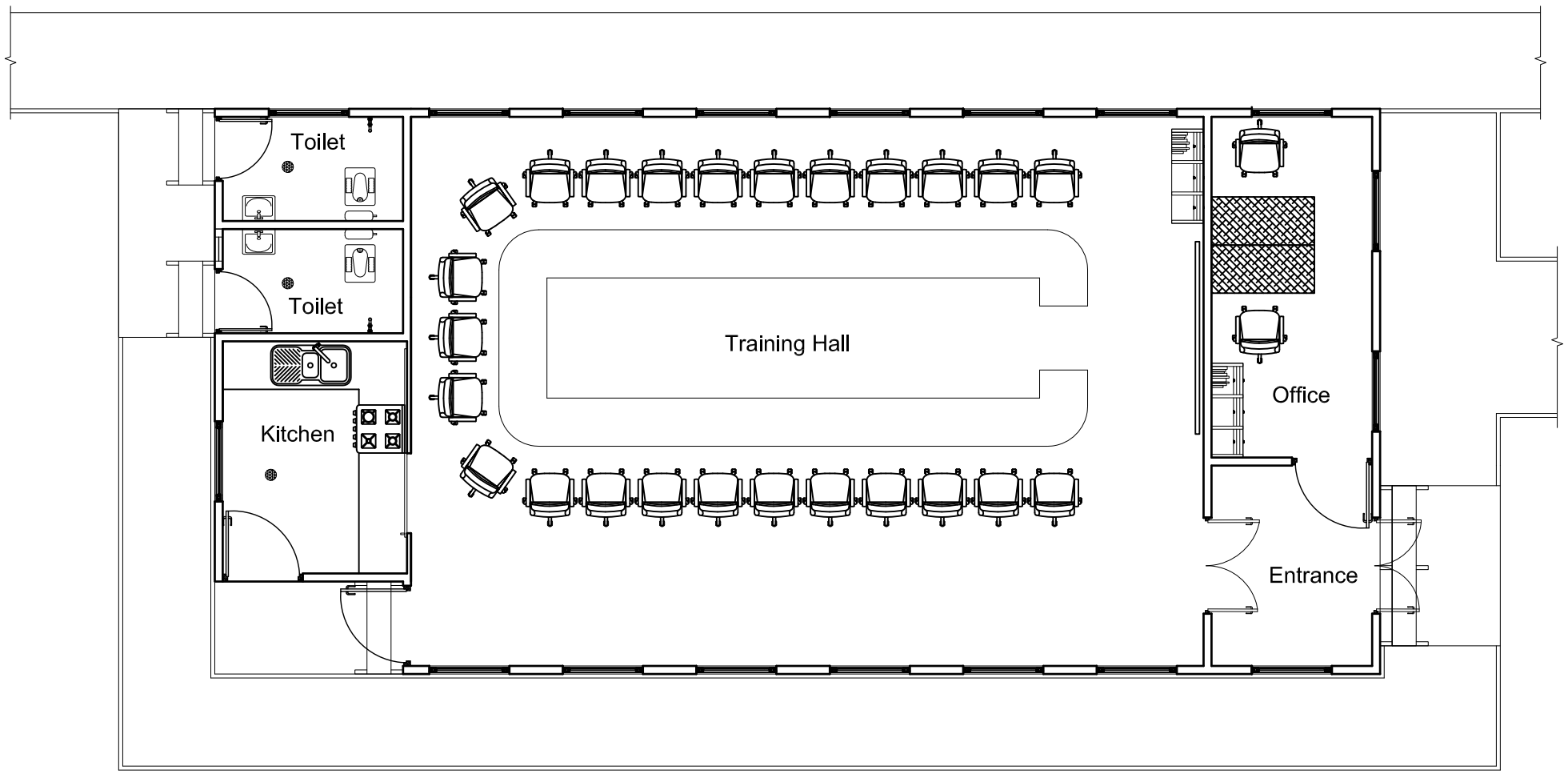
Aga Khan Foundation, Afghanistan
National Programme Office, Engineering

Scale	As shown-A3	Sheet No.	13/32
Date	September-2018		
Drawing No.	12		

Province	Kabul
District	10
Place	Wazir Akbar Khan Hospital

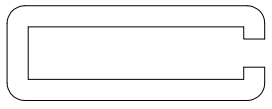
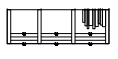
Project name: PND Training Hall conex building

Drawing Title: Finishing and Chimney Plan



Furniture Plan

Legend

No.	Sample	Name	Note
1		Meeting Table 735cm x 270cm	
2		Chair, 45cm x 45cm	
3		Office Table, 120cm x 60cm	
4		Filing Cupboard, 120cm x 40cm x 200cm	

No.	Date	Revision
1		
2		
3		

Architecture Designed by	Ahmad Atiq
Drawn	Ahmad Atiq
Checked by	Uma Shankar
Approved by	Bishwo Shrestha

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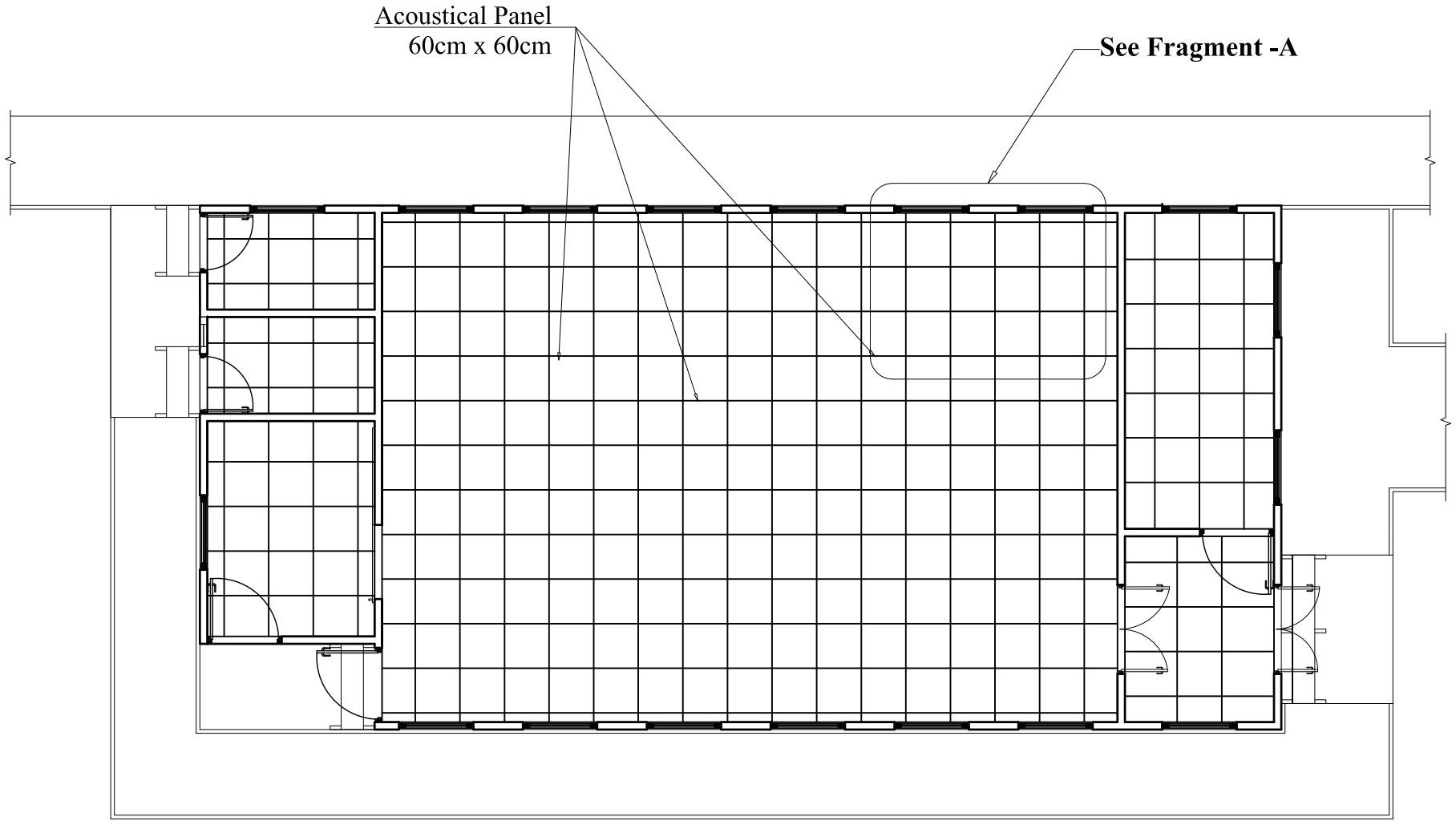
National Programme Office, Engineering

Scale	As shown-A3	Sheet No.	14/32
Date	September-2018		
Drawing No.	13		

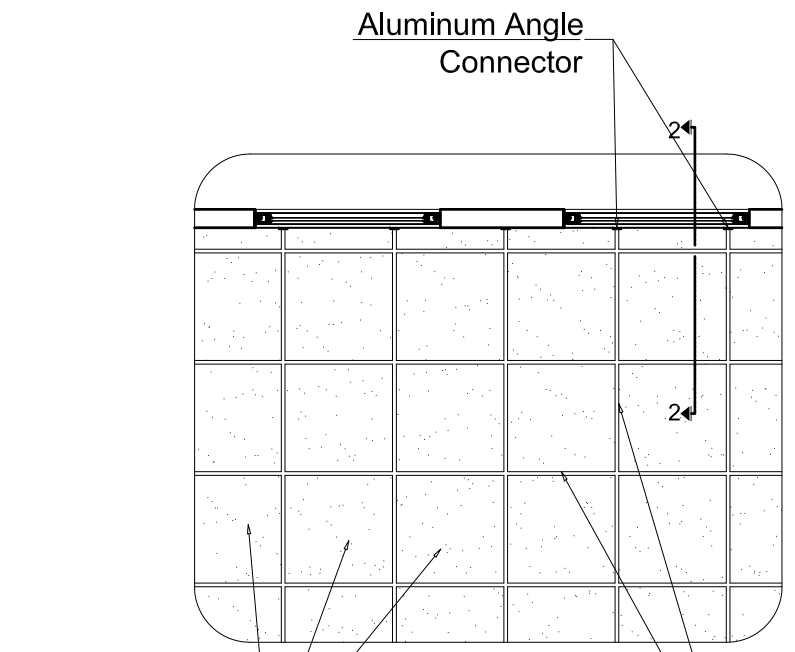
Province	Kabul
District	10
Place	Wazir Akbar Khan Hospital

Project name: PND Training Hall conex building

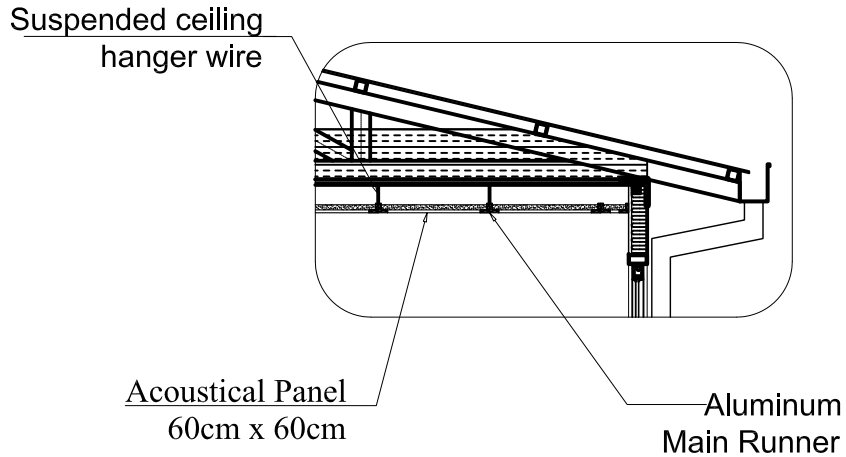
Drawing Title: Furniture Plan



Suspended Ceiling Plan



Fragment-A



Section 2-2

No.	Date	Revision		
			Architecture Designed by	Ahmad Atiq
1			Drawn	Ahmad Atiq
2			Checked by	Uma Shankar
3			Approved by	Bishwo Shrestha

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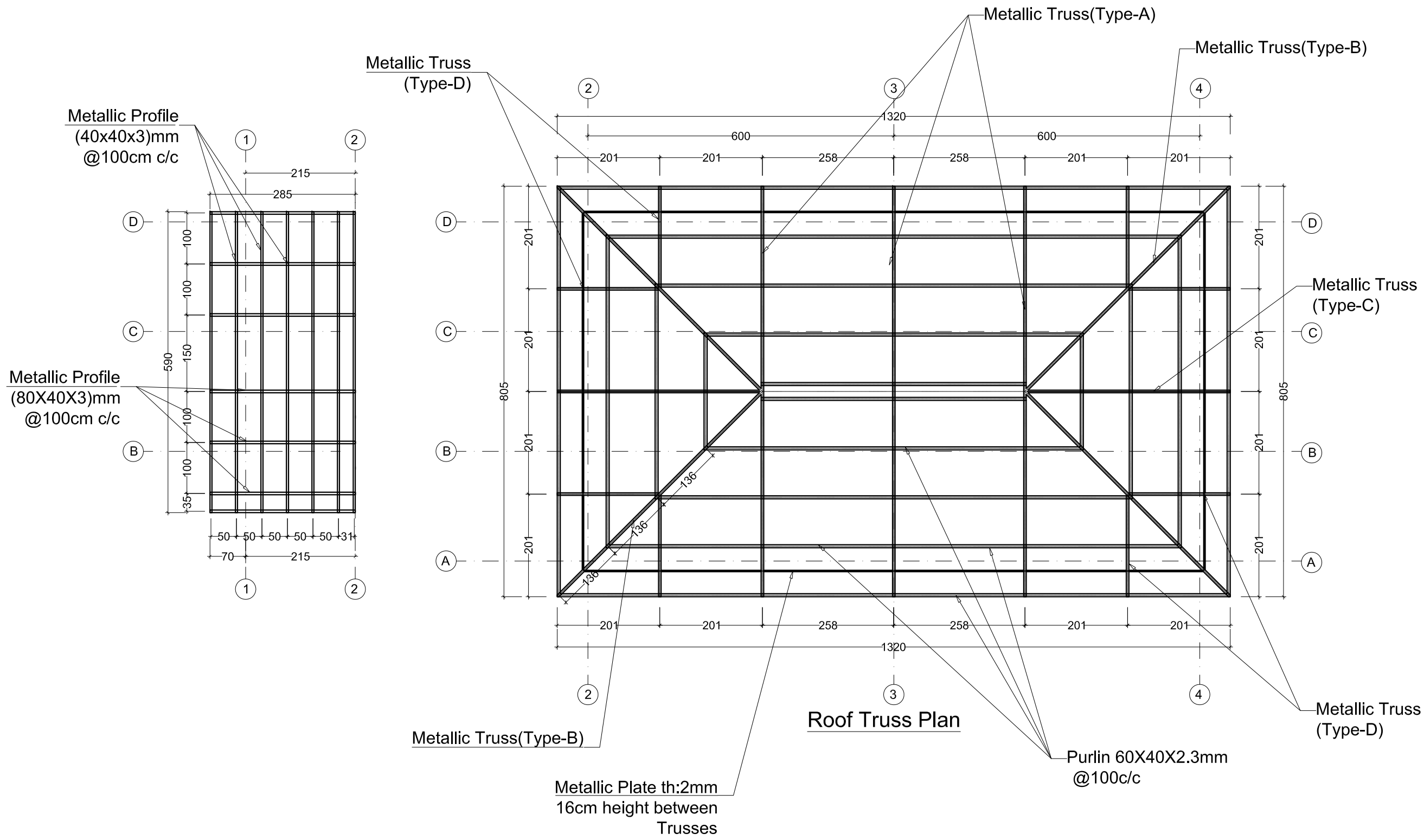
National Programme Office, Engineering

Scale	As shown-A3	Sheet No.	15 / 32	Province	Kabul
Date	September-2018			District	10
Drawing No.	14			Place	Wazir Akbar Khan Hospital

Project name: PND Training Hall conex building

Drawing Title: Suspended Ceiling Plan



Note:All dimensions are in Cm.

No.	Date	Revision		
			Architecture Designed by	Ahmad Atiq
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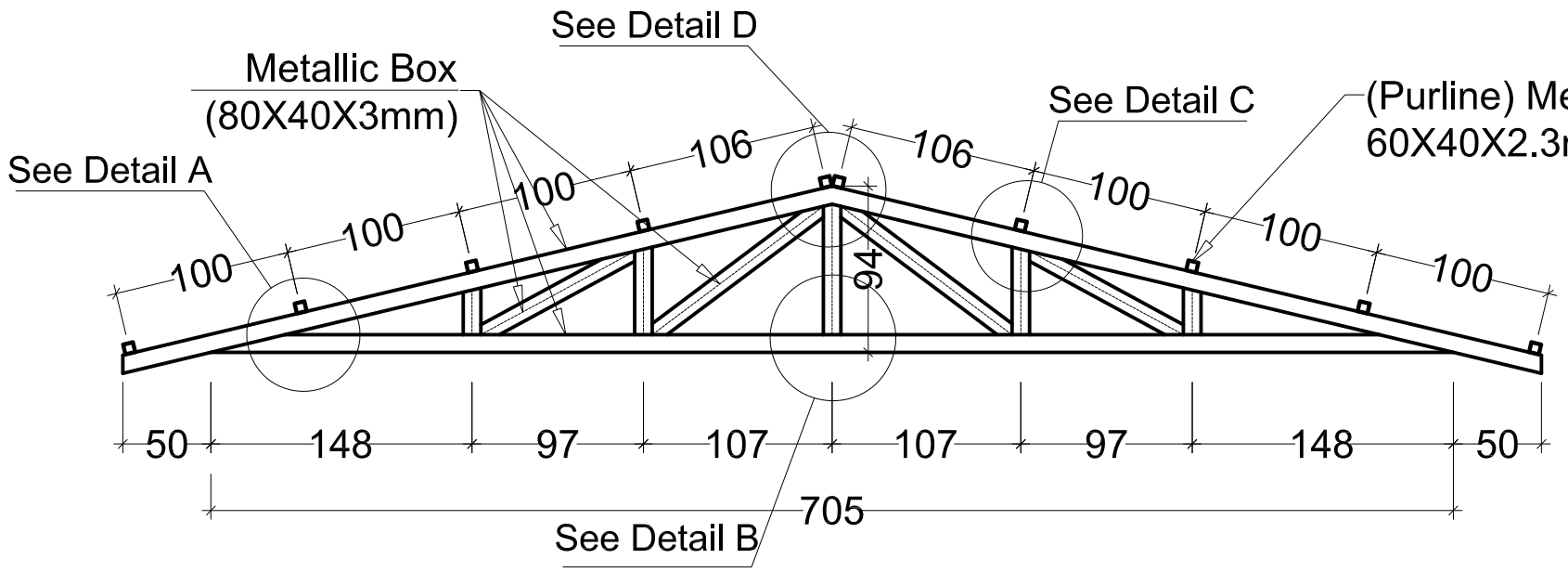
2			Checked by	Uma Shankar
3			Approved by	Bishwo Shrestha

Aga Khan Foundation, Afghanistan
National Programme Office, Engineering

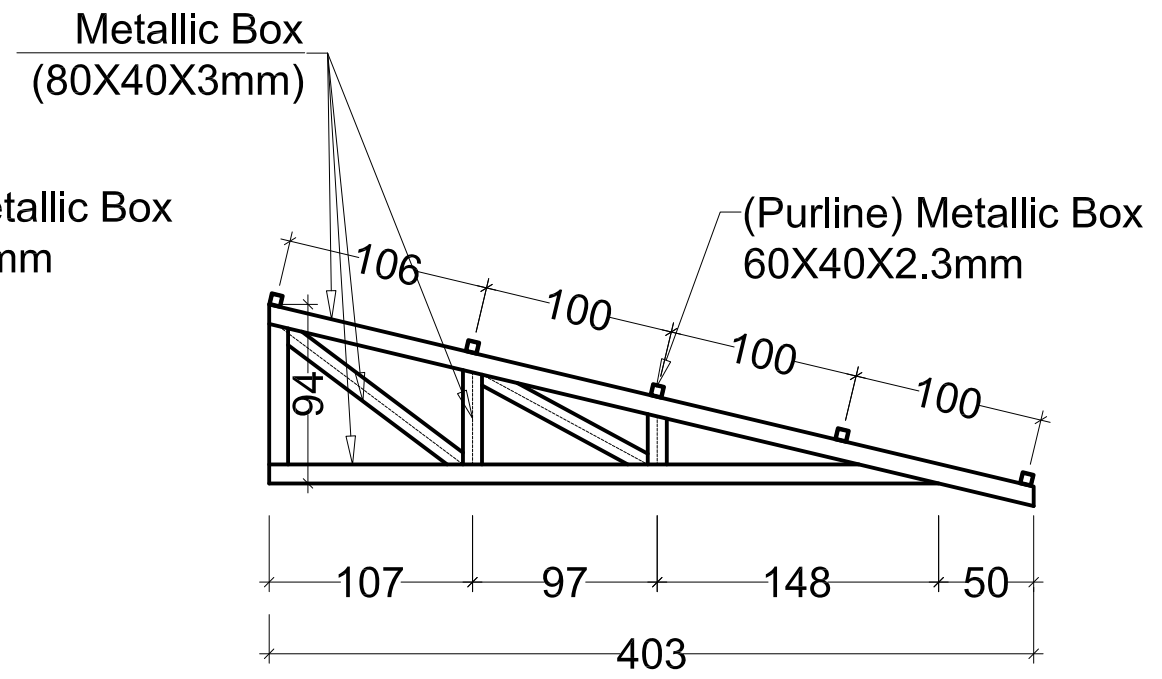
Scale	As shown-A3	Sheet No.	16/32	Province	Kabul
Date	September-2018			District	10
Drawing No.	15			Place	Wazir Akbar Khan Hospital

Project name: PND Training Hall conex building

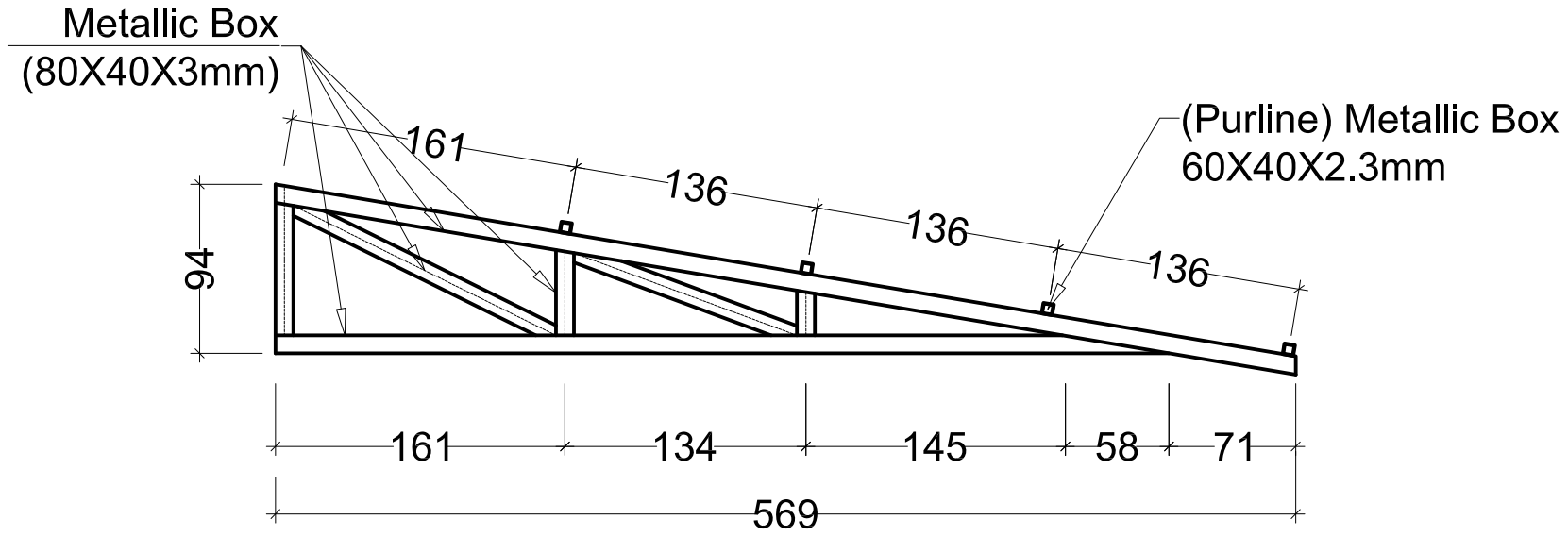
Drawing Title: Roof Truss Plan



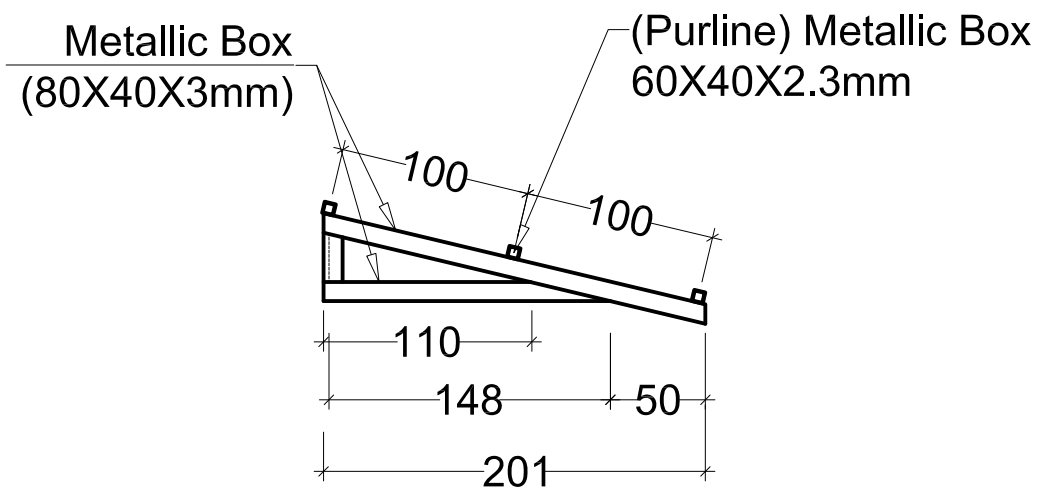
Truss Type -A



Truss Type -C



Truss Type -B



Truss Type -D

Note:All dimensions are in Cm.

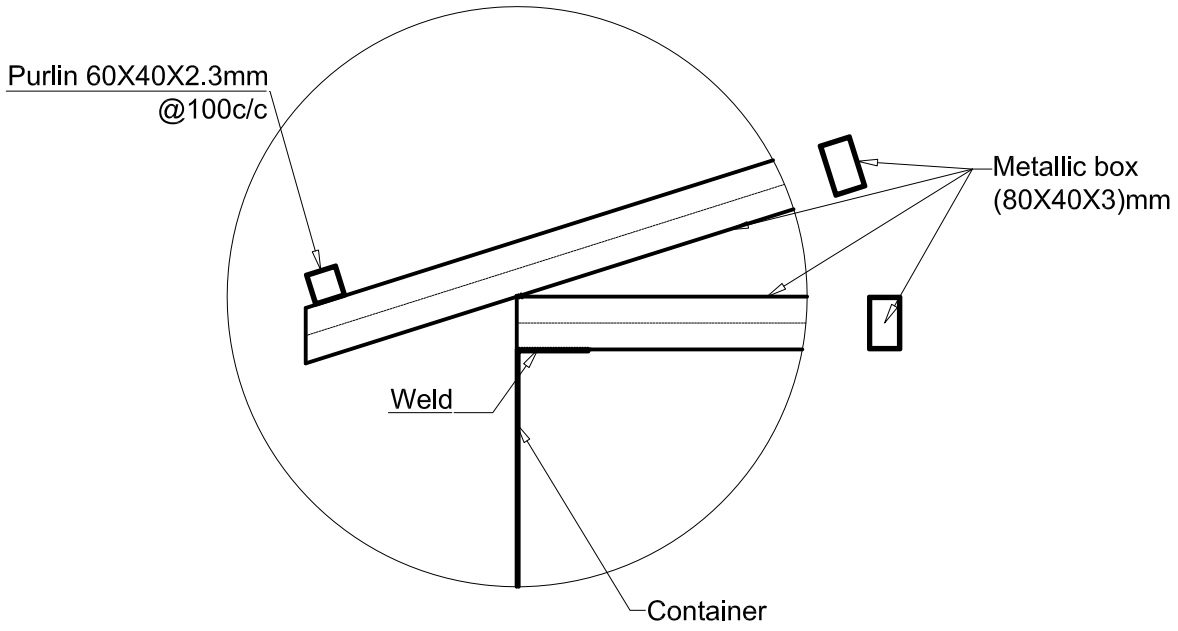
No.	Date	Revision		
			Architecture Designed by	Ahmad Atiq
1			Drawn	Ahmad Atiq
2			Checked by	Uma Shankar
3			Approved by	Bishwo Shrestha

Aga Khan Foundation, Afghanistan
National Programme Office, Engineering

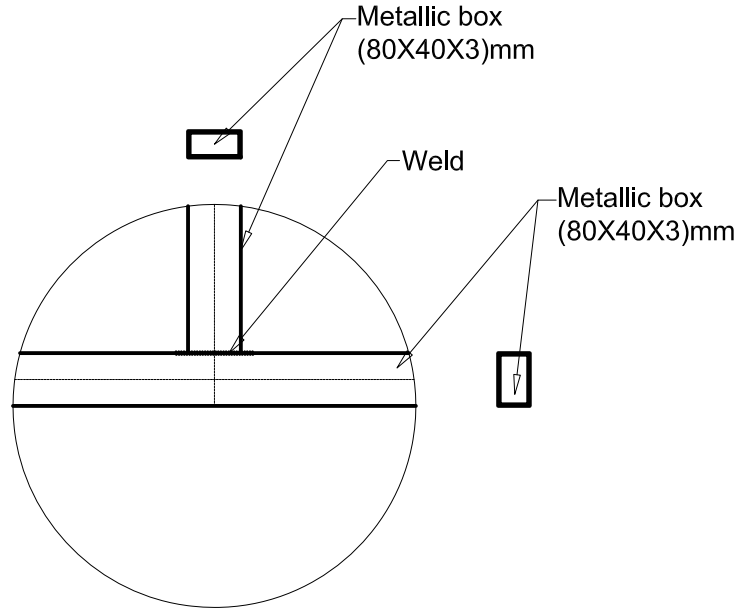
Scale	As shown-A3	Sheet No.	17 / 32	Province	Kabul
Date	September-2018			District	10
Drawing No.	16			Place	Wazir Akbar Khan Hospital

Project name: PND Training Hall conex building

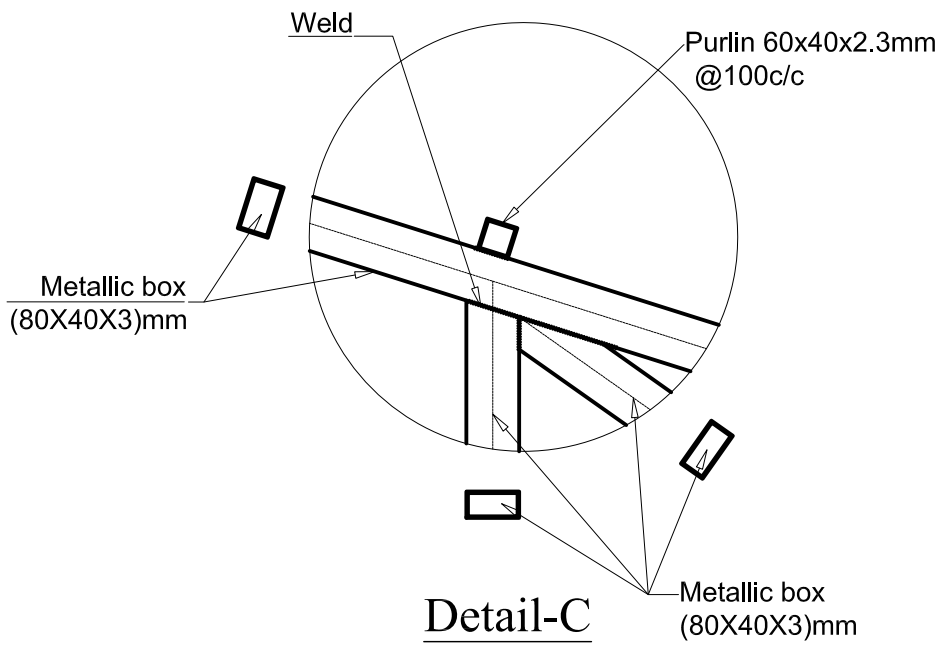
Drawing Title: Truss Detail



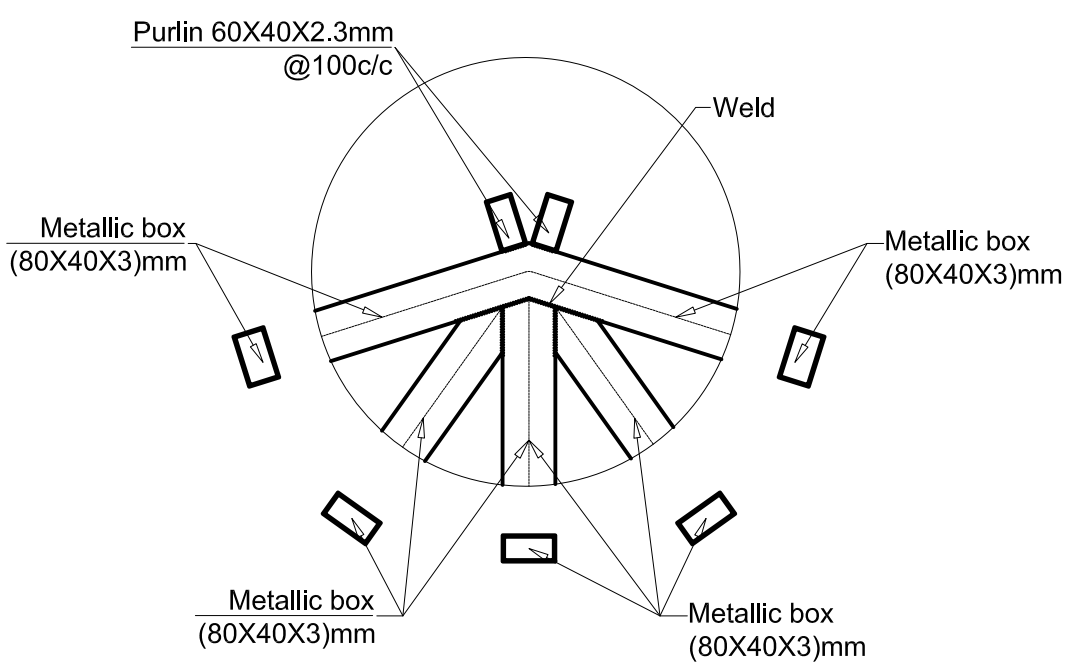
Detail-A



Detail-B



Detail-C



Detail-D

Note:All dimensions are in Cm.

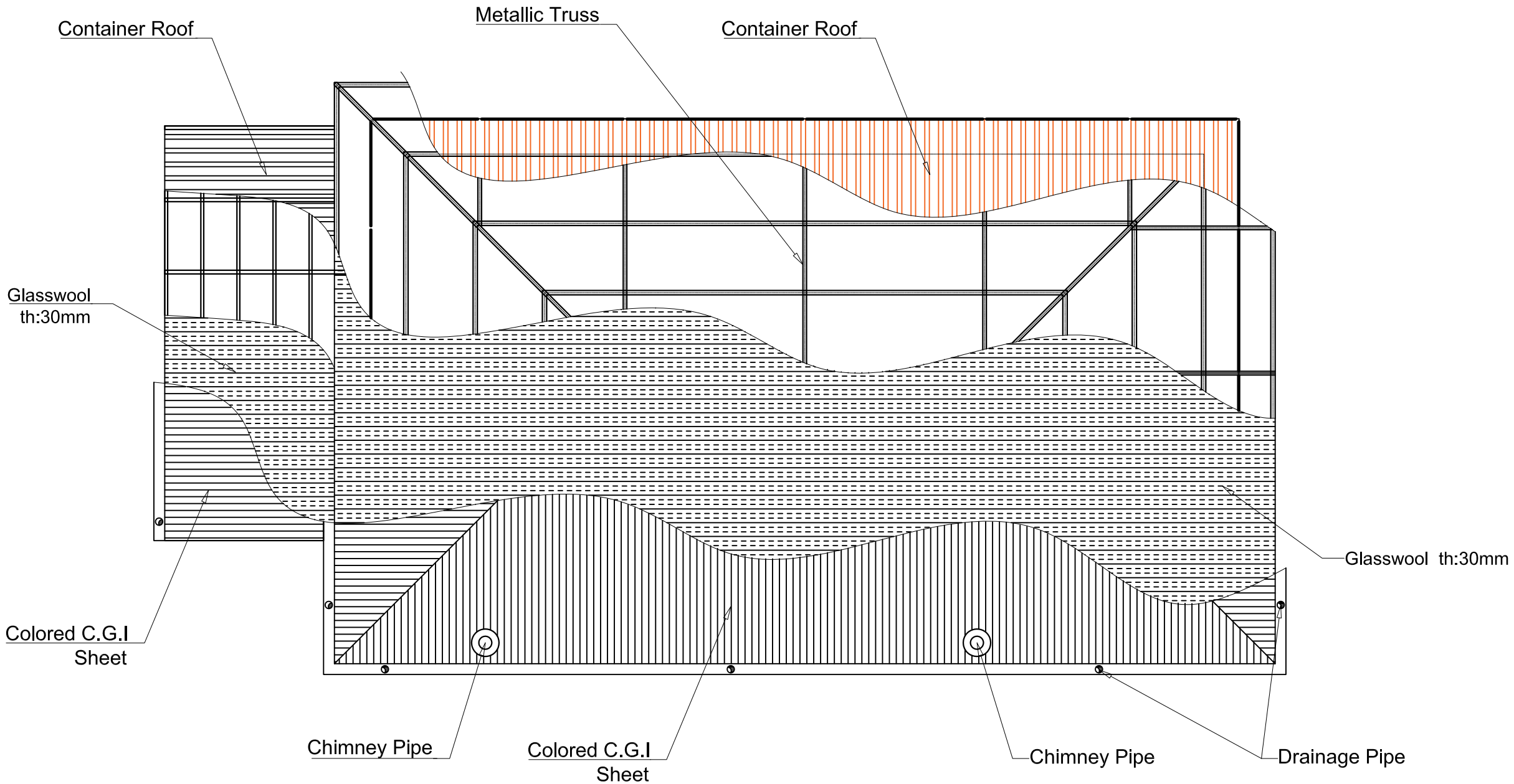
No.	Date	Revision		
			Architecture Designed by	Ahmad Atiq
1			Drawn	Ahmad Atiq
2			Checked by	Uma Shankar
3			Approved by	Bishwo Shrestha

Aga Khan Foundation, Afghanistan
National Programme Office, Engineering

Scale	As shown-A3	Sheet No.	18/32	Province	Kabul
Date	September-2018			District	10
Drawing No.	17			Place	Wazir Akbar Khan Hospital

Project name: PND Training Hall conex building

Drawing Title: Truss Detail



Roof Insulation Plan

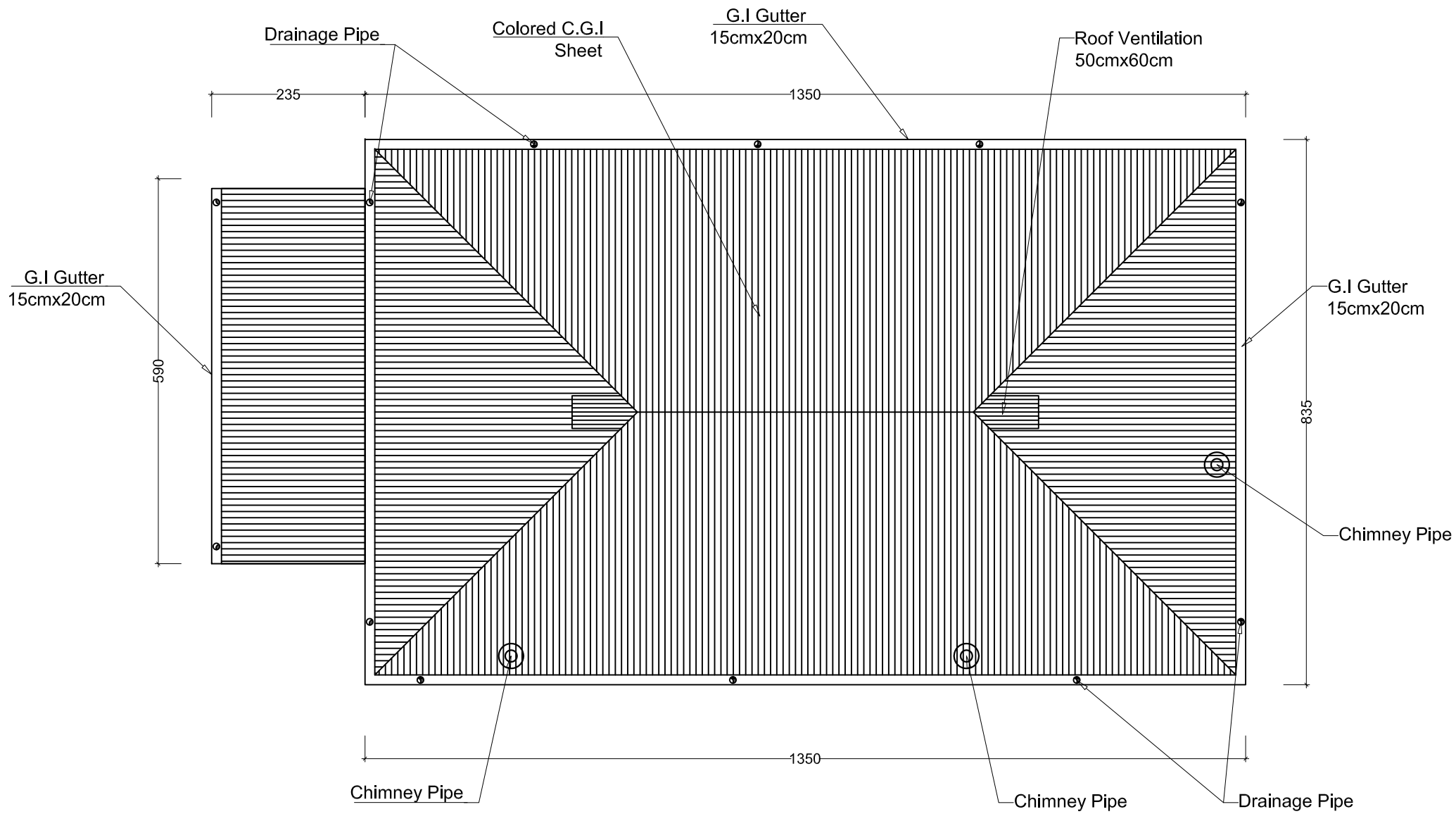
No.	Date	Revision		
			Architecture Designed by	Ahmad Atiq
1			Drawn	Ahmad Atiq
2			Checked by	Uma Shankar
3			Approved by	Bishwo Shrestha

Aga Khan Foundation, Afghanistan
National Programme Office, Engineering

Scale	As shown-A3	Sheet No.	19/32	Province	Kabul
Date	September-2018			District	10
Drawing No.	18			Place	Wazir Akbar Khan Hospital

Project name: PND Training Hall conex building

Drawing Title: Roof Insulation Plan



Roof Plan

Note:All dimensions are in Cm.

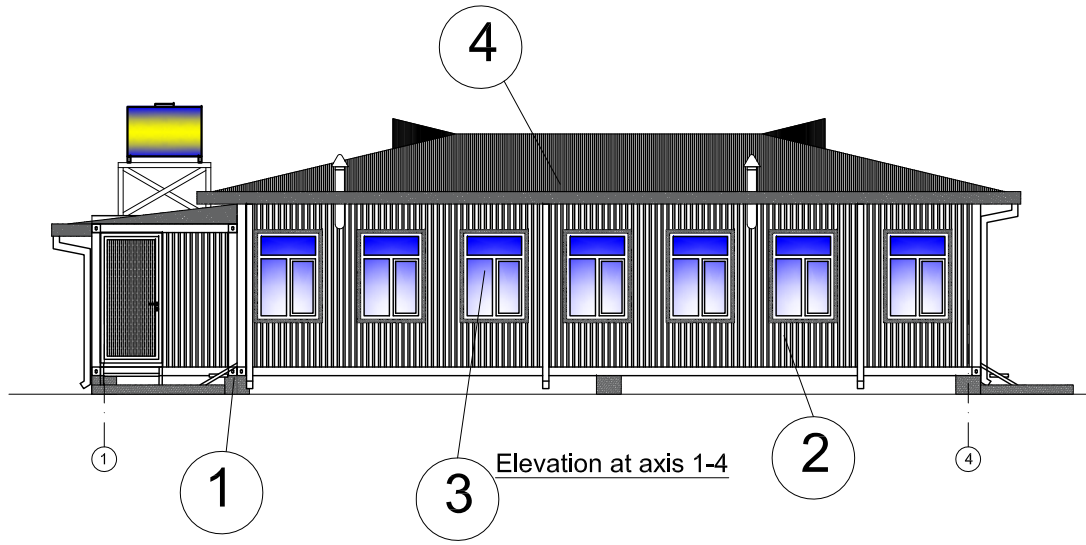
No.	Date	Revision		
			Architecture Designed by	Ahmad Atiq
1			Drawn	Ahmad Atiq
2			Checked by	Uma Shankar
3			Approved by	Bishwo Shrestha

Aga Khan Foundation, Afghanistan
National Programme Office, Engineering

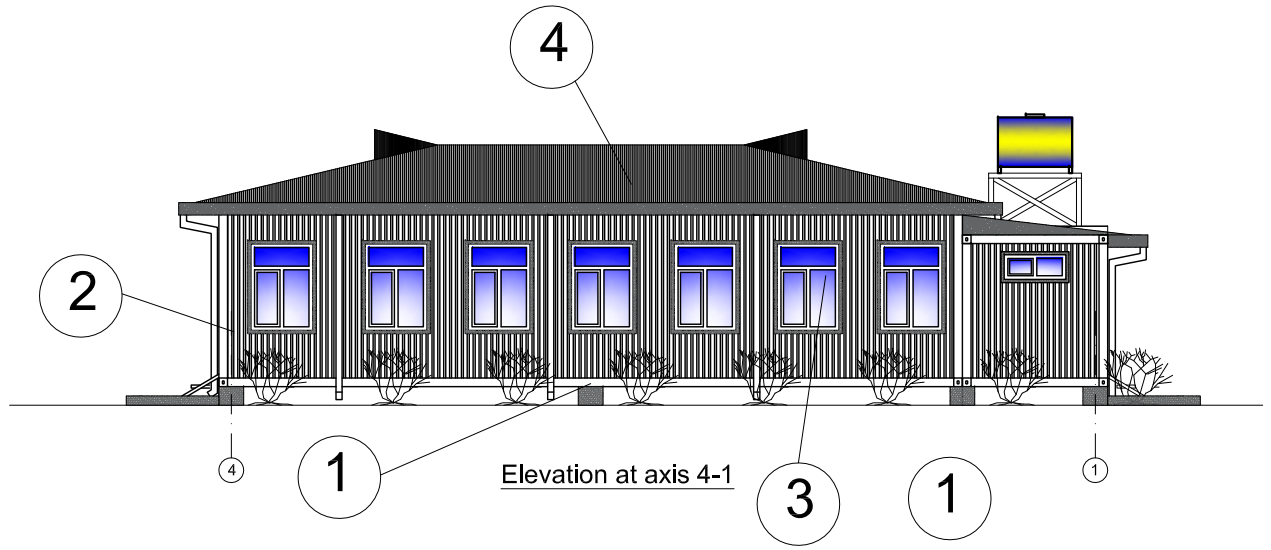
Scale	As shown-A3	Sheet No.	20/32	Province	Kabul
Date	September-2018			District	10
Drawing No.	19			Place	Wazir Akbar Khan Hospital

Project name: PND Training Hall conex building

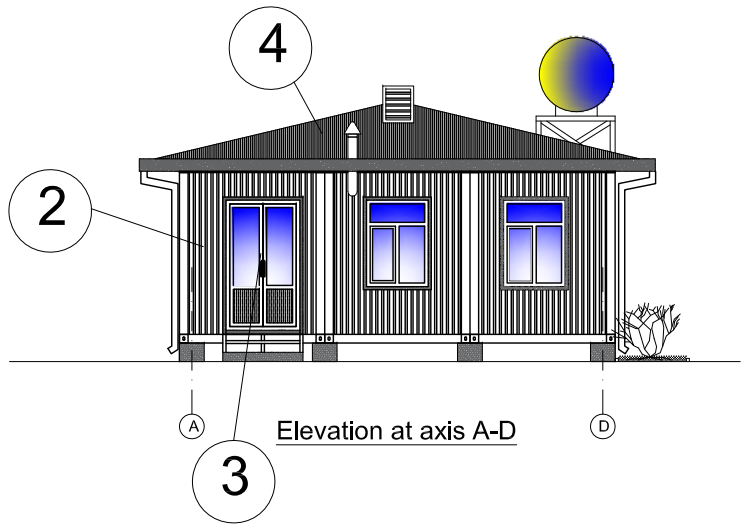
Drawing Title: Roof Plan



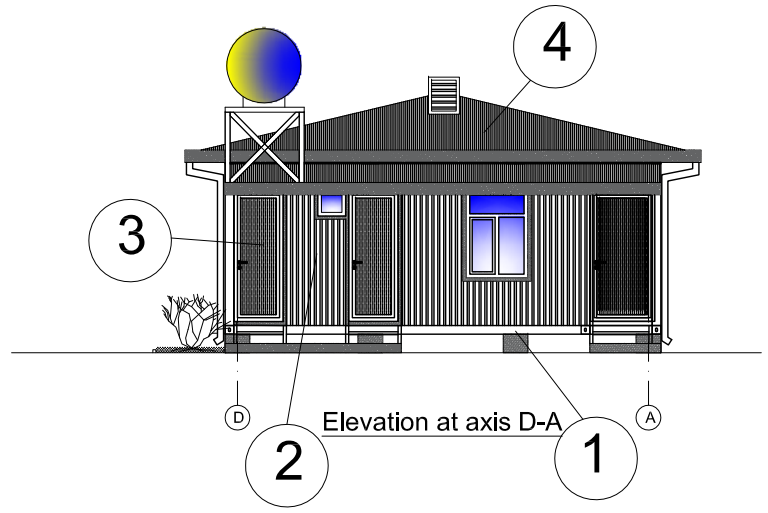
Elevation at axis 1-4



Elevation at axis 4-1



Elevation at axis A-D



Elevation at axis D-A

Materials and Colours Scheme

Details N0.	Description	Materials	Colours	Company	Note
1	Footing	RCC	Natural		
2	External Walls	Oil Paint	Harmoney(3181)	Berger	
3	External Doors and Windows	PVC	White	Turkish	
4	Roof	G.I.Sheet 24 Gauge	Grey		

No.	Date	Revision		
			Architecture Designed by	Ahmad Atiq
1			Drawn	Ahmad Atiq
2			Checked by	Uma Shankar
3			Approved by	Bishwo Shrestha

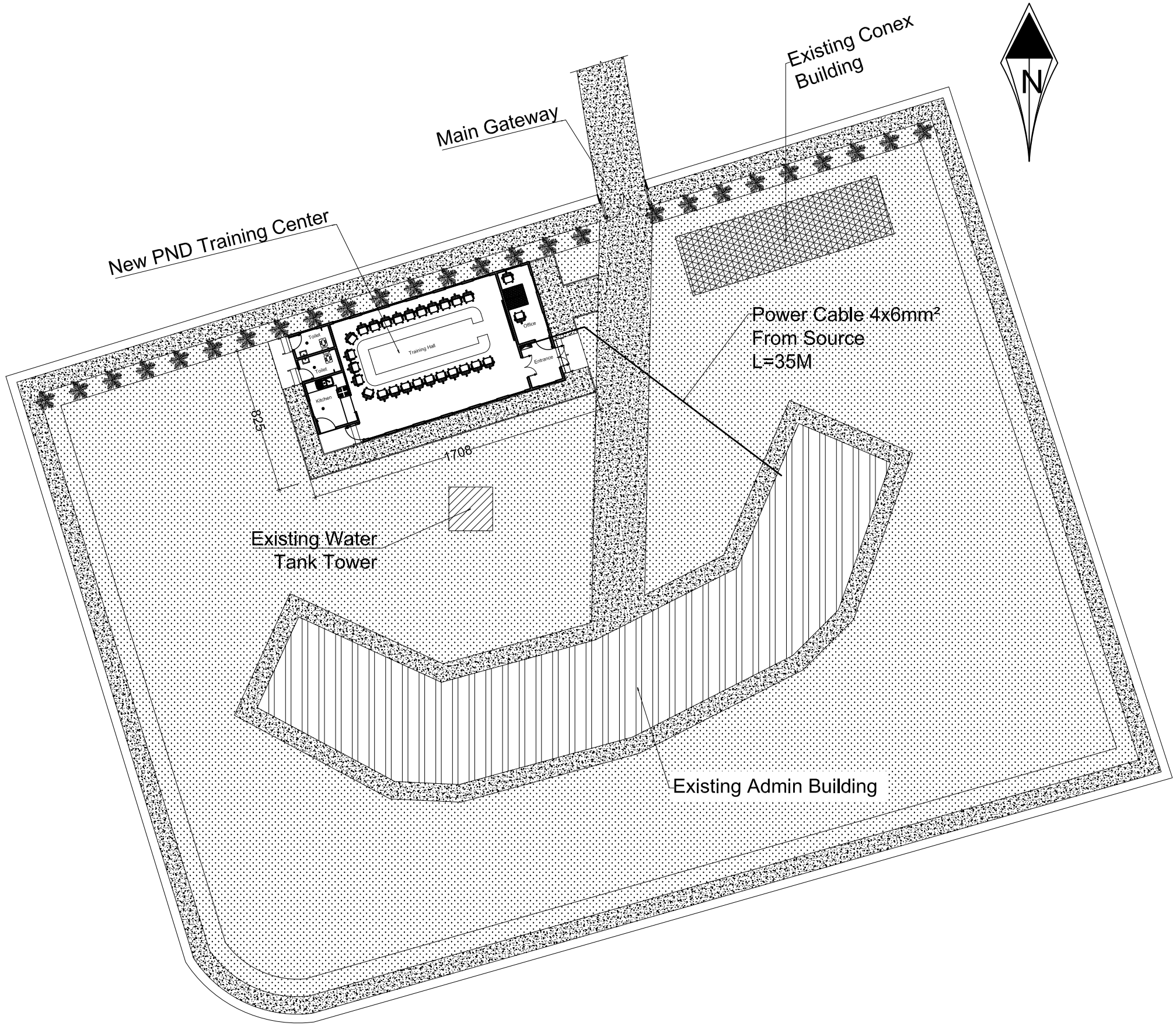
Aga Khan Foundation, Afghanistan
National Programme Office, Engineering

Scale	As shown-A3	Sheet No.	21/32
Date	September-2018		
Drawing No.	20		

Province	Kabul
District	10
Place	Wazir Akbar Khan Hospital

Project name: PND Training Hall conex building

Drawing Title: Material and color Scheme



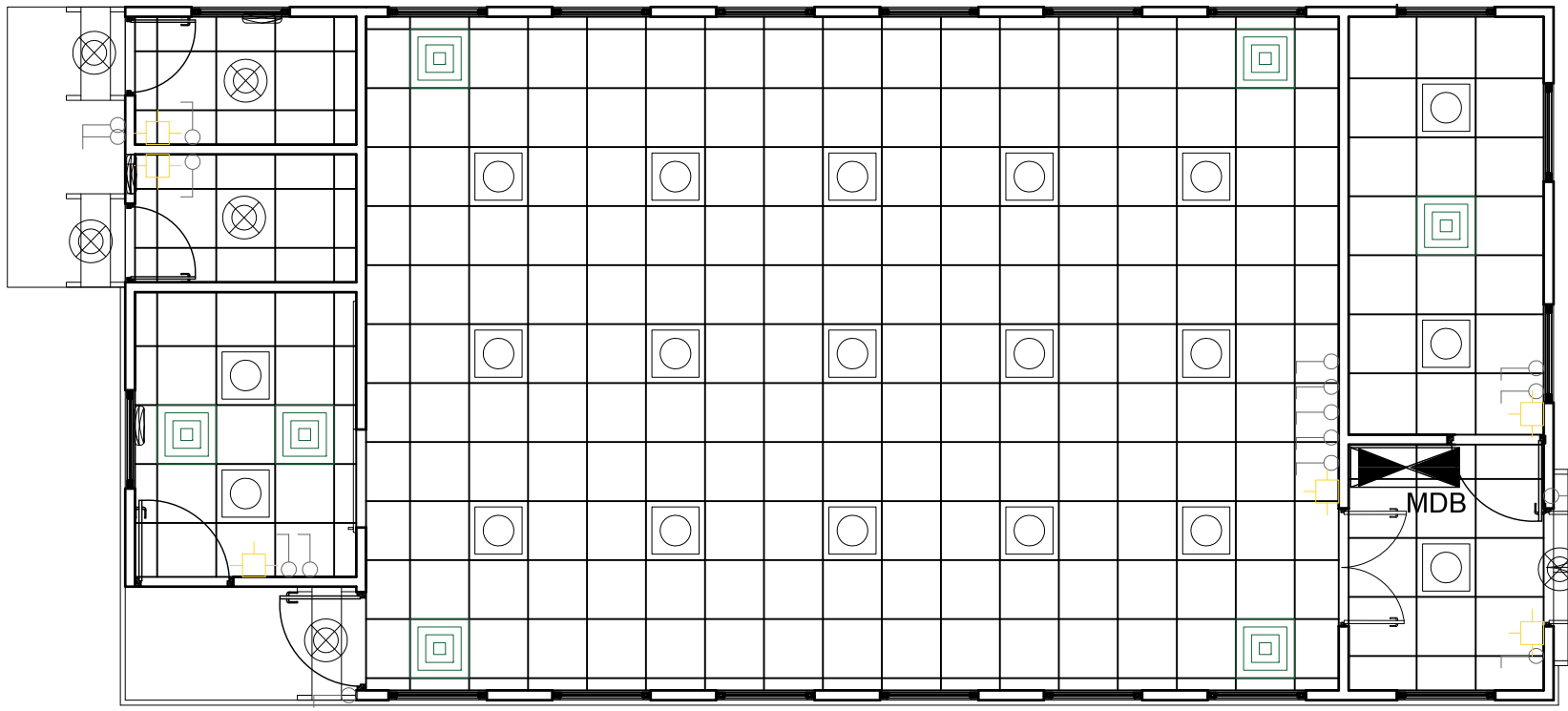
No.	Date	Revision		
			Architecture Designed by	Ahmad Atiq
1			Drawn	Ahmad Atiq
2			Checked by	Uma Shankar
3			Approved by	Bishwo Shrestha

Aga Khan Foundation, Afghanistan
National Programme Office, Engineering

Scale	As shown-A3	Sheet No.	22 / 32	Province	Kabul
Date	September-2018			District	10
Drawing No.	21			Place	Wazir Akbar Khan Hospital

Project name: PND Training Hall conex building

Drawing Title: Main Electrical Source Plan



LEGEND

	Ceiling LED Light 68 watt
	Toilet Ventilation fan
	Ceiling LED Light 18 watt
	Switch
	joint box
	Main distribution box
	Ventilation(Parts of Suspended Ceiling)

Electrical Lighting Plan

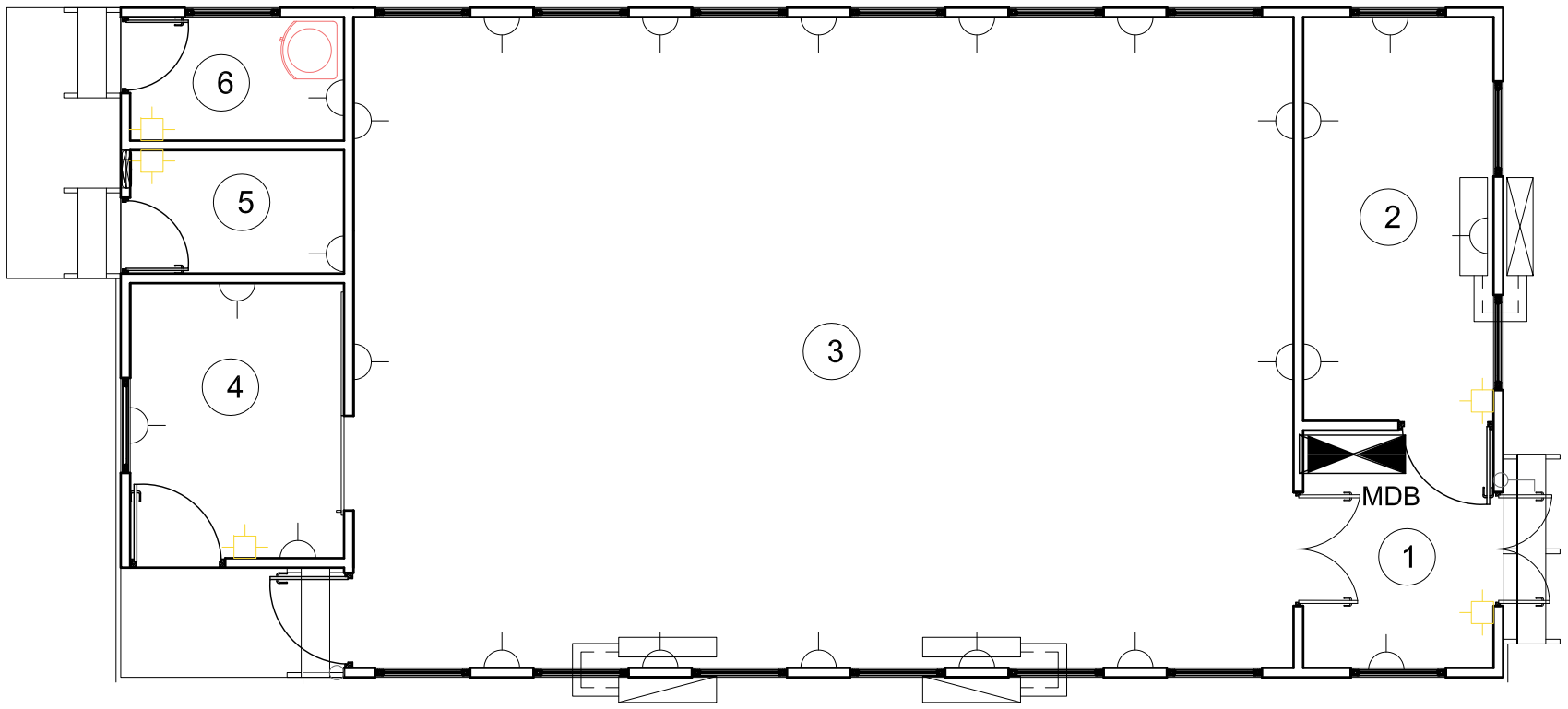
No.	Date	Revision		
			Architecture Designed by	Ahmad Atiq
1			Drawn	Ahmad Atiq
2			Checked by	Uma Shankar
3			Approved by	Bishwo Shrestha

Aga Khan Foundation, Afghanistan
National Programme Office, Engineering

Scale	As shown-A3	Sheet No.	23 / 32	Province: Kabul
Date	September-2018			District: 10
Drawing No.	22			Place: Wazir Akbar Khan Hospital

Project name: PND Training Hall conex building

Drawing Title: Electrical Lighting Plan



LEGEND

	Boiler
	AC - 1800 Btu/h
	AC - 900 Btu/h
	Socket
	joint box
	Main distribution box

Electrical Power Socket and AC Plan

No.	Date	Revision		
			Architecture Designed by	Ahmad Atiq
1			Drawn	Ahmad Atiq
2			Checked by	Uma Shankar
3			Approved by	Bishwo Shrestha

Aga Khan Foundation, Afghanistan
National Programme Office, Engineering

Scale	As shown-A3	Sheet No.	24 / 32	Province	Kabul
Date	September-2018			District	10
Drawing No.	23			Place	Wazir Akbar Khan Hospital

Project name: PND Training Hall conex building

Drawing Title: Electrical Power Socket Plan

3 PHASE LINE DIAGRAM
FOR BLOCK „A"

Main Coper Cable = 4x6mm²
P_{TP} =20Kw
V_{TP} = 380 Volt
I_{TP} = MCCB 30 Amp
I_{TP} = MCB 25 Amp

4X6 CU Cable
From Electirc Source

MCCB
MCCB
MCCB

SPARE
4P-MCCB=63Amp

P=2KW
3phase=380V
MCB=8Amp

P=18KW
4P-MCCB=25Amp
3phase=380V

(4x10)A (SP-MCB)

(2 2.5mm²Cu Line) P+30%=520watt
(2 2.5mm²Cu Line) P+30%=845watt
(2 2.5mm²Cu Line) P+30%=520watt
(2 2.5mm²Cu Line) P+30%=676watt
(2 2.5mm²Cu Line) P+30%=520watt
(2 2.5mm²Cu Line) P+30%=676watt
(2 4mm²Cu Line) P+30%=520watt
(2 4mm²Cu Line) P=2000+30%=2600watt
(2 4mm²Cu Line) P=2500+30%=3250watt
(2 4mm²Cu Line) P+30%=520watt
(2 4mm²Cu Line) P=2000+30%=2600watt
(2 4mm²Cu Line) P=2500+30%=3250watt
(2 4mm²Cu Line) P+30%=520watt
(2 4mm²Cu Line) P=2000+30%=2600watt
(2 4mm²Cu Line) P=2000+30%=2600watt
(2 4mm²Cu Line) P=1000+30%=1300watt

SPARE
SPARE
SPARE
SPARE
SPARE
SPARE

10 Lights
8 Lights
8 Lights
8 Sockets
AC 18000 Btu/h
8 Sockets
AC 18000 Btu/h
8 Sockets
Boiler
AC 6000 Btu/h

FLOOR LIGHTINGS
FLOOR SOCKETS

No.	Date	Revision		
			Architecture Designed by	Ahmad Atiq
1			Drawn	Ahmad Atiq
2			Checked by	Uma Shankar
3			Approved by	Bishwo Shrestha

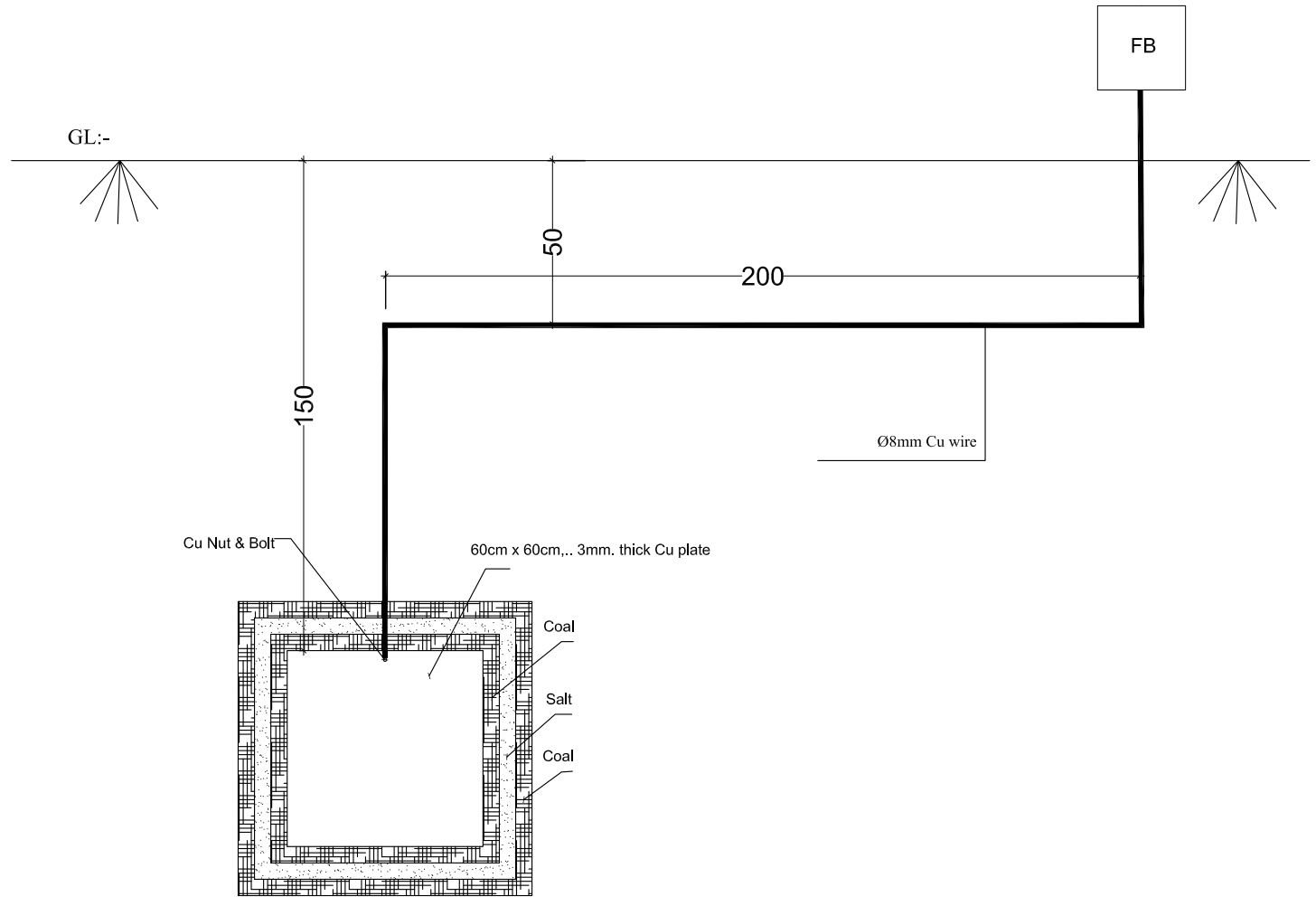
Aga Khan Foundation, Afghanistan
National Programme Office, Engineering

Scale	As shown-A3	Sheet No.	25/32
Date	September-2018		
Drawing No.	24		

Province	Kabul
District	10
Place	Wazir Akbar Khan Hospital

Project name: PND Training Hall conex building

Drawing Title: Electrical Diagram



EARTHING DETAIL

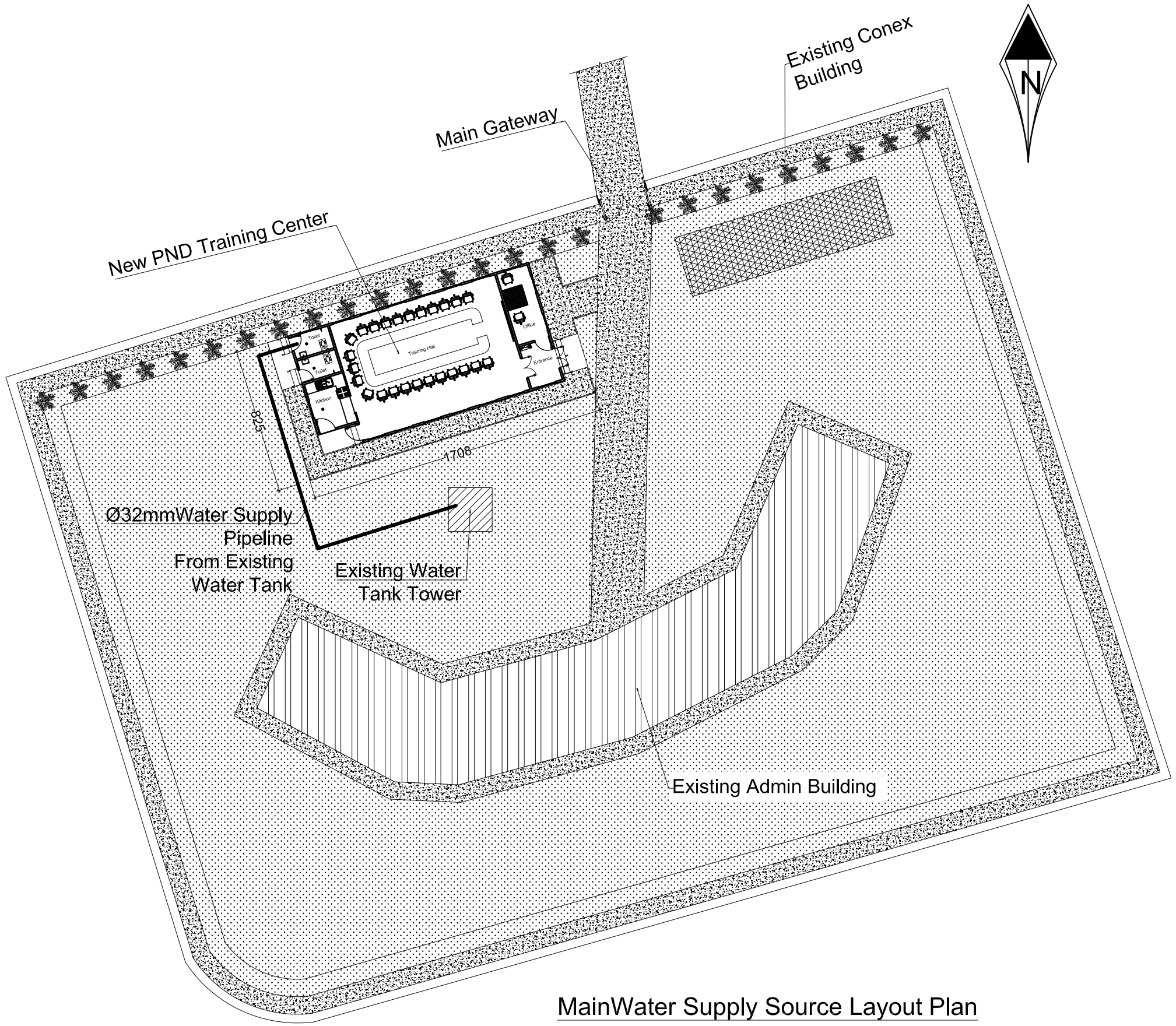
No.	Date	Revision		
			Architecture Designed by	Ahmad Atiq
1			Drawn	Ahmad Atiq
2			Checked by	Uma Shankar
3			Approved by	Bishwo Shrestha

Aga Khan Foundation, Afghanistan
National Programme Office, Engineering

Scale	As shown-A3	Sheet No.	26/32	Province	Kabul
Date	September-2018			District	10
Drawing No.	25			Place	Wazir Akbar Khan Hospital

Project name: PND Training Hall conex building

Drawing Title: Earthing System



MainWater Supply Source Layout Plan

No.	Date	Revision
1		
2		
3		

Architecture Designed by	Ahmad Atiq
Drawn	Ahmad Atiq
Checked by	Uma Shankar
Approved by	Bishwo Shrestha

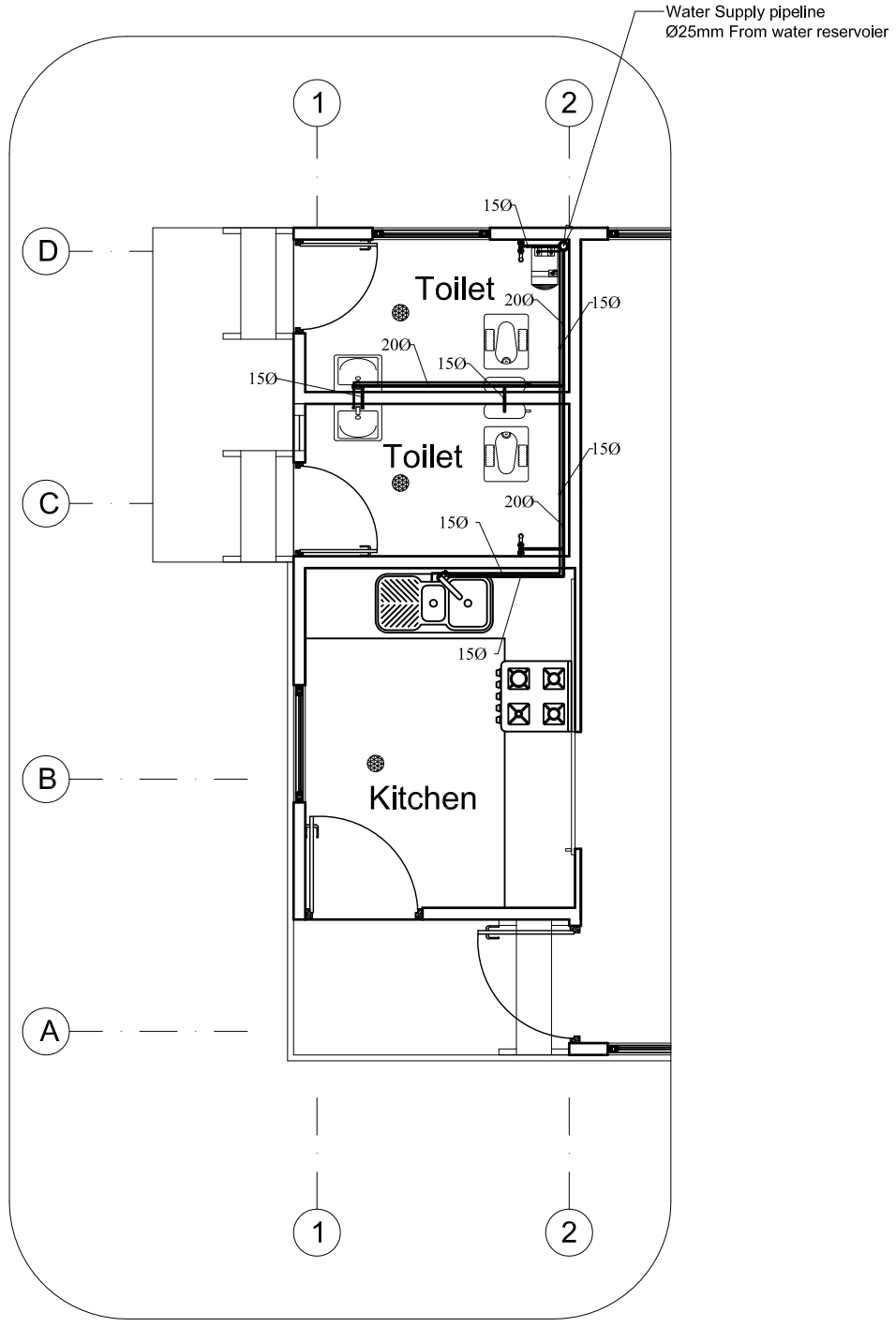
Aga Khan Foundation, Afghanistan
National Programme Office, Engineering

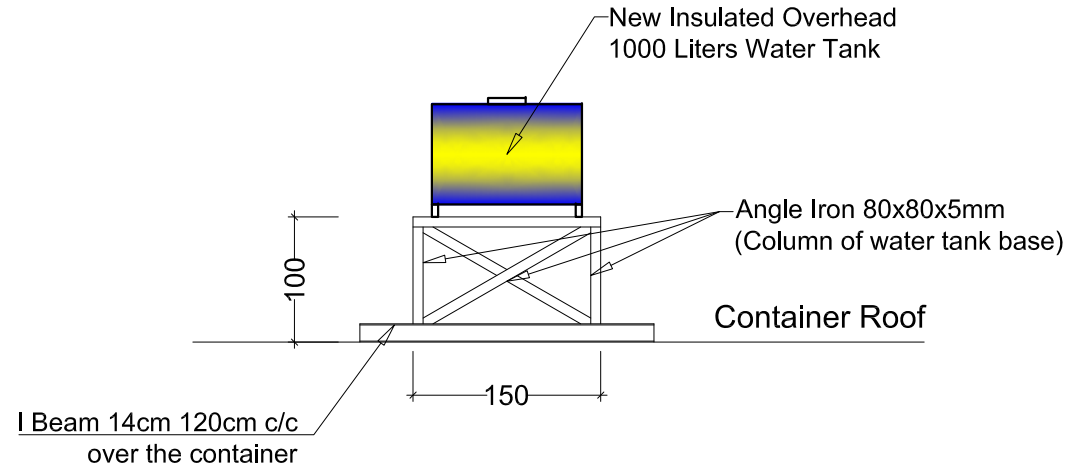
Scale	As shown-A3	Sheet No.	27/32
Date	September-2018		
Drawing No.	26		

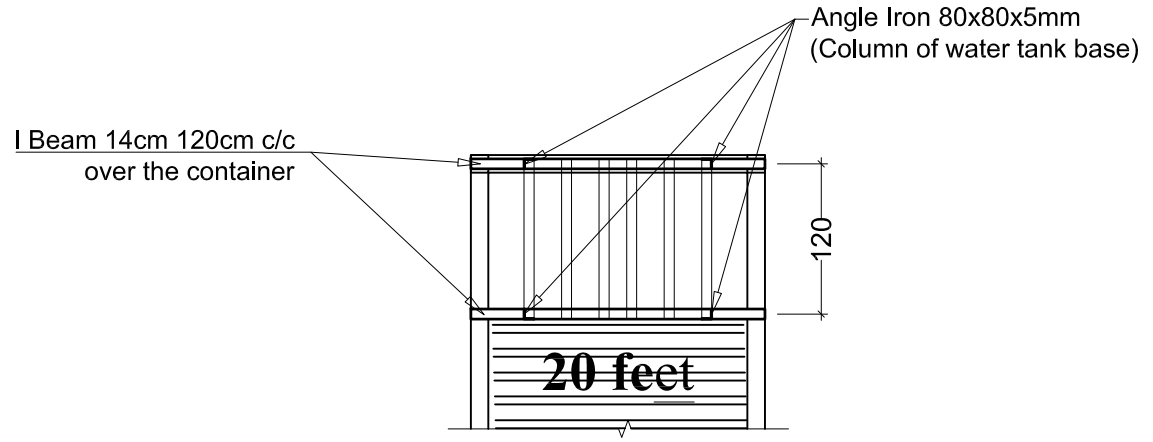
Province	Kabul
District	10
Place	Wazir Akbar Khan Hospital

Project name: PND Training Hall conex building

Drawing Title: Main Water Supply Source Plan







Water Supply Layout Plan

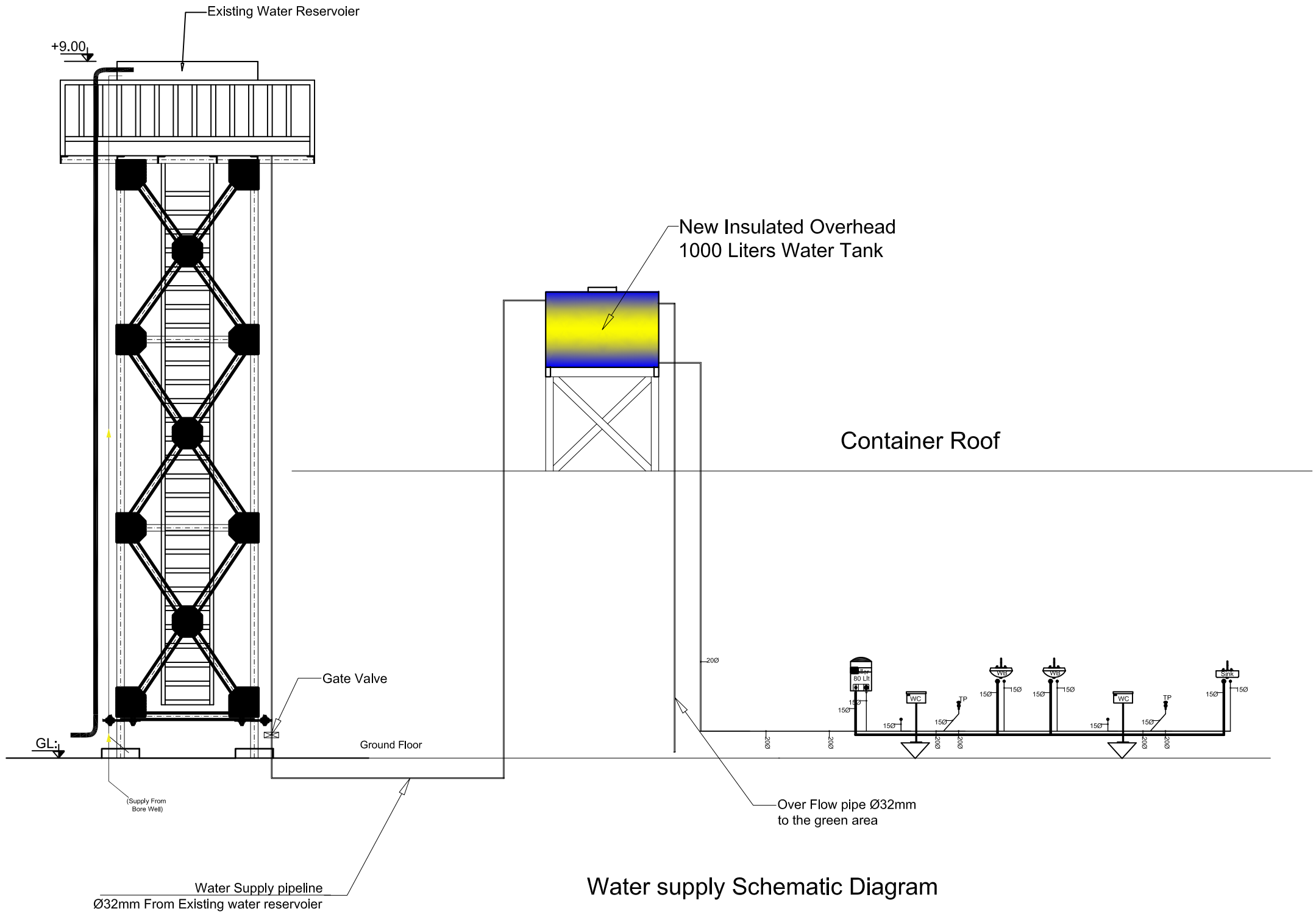
No.	Date	Revision		
			Architecture Designed by	Ahmad Atiq
1			Drawn	Ahmad Atiq
2			Checked by	Uma Shankar
3			Approved by	Bishwo Shrestha

Aga Khan Foundation, Afghanistan
National Programme Office, Engineering

Scale	As shown-A3	Sheet No.	28 / 32	Province	Kabul
Date	September-2018			District	10
Drawing No.	27			Place	Wazir Akbar Khan Hospital

Project name: PND Training Hall conex building

Drawing Title: Water Supply Layout Plan



Water supply Schematic Diagram

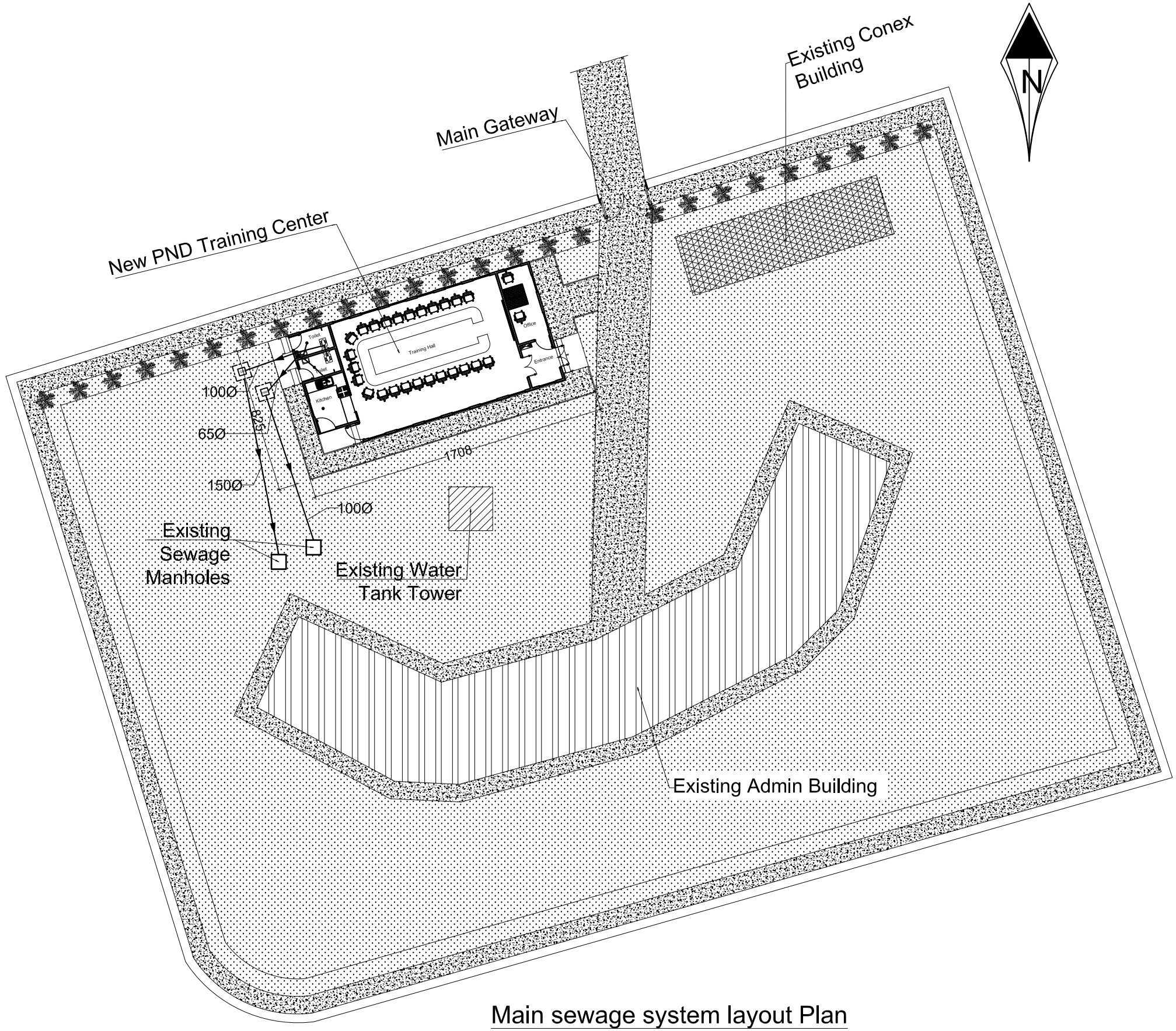
No.	Date	Revision		
			Architecture Designed by	Ahmad Atiq
1			Drawn	Ahmad Atiq
2			Checked by	Uma Shankar
3			Approved by	Bishwo Shrestha

Aga Khan Foundation, Afghanistan
National Programme Office, Engineering

Scale	As shown-A3	Sheet No.	29 / 32	Province	Kabul
Date	September-2018			District	10
Drawing No.	28			Place	Wazir Akbar Khan Hospital

Project name: PND Training Hall conex building

Drawing Title: Water Supply Schematic diagram



Main sewage system layout Plan

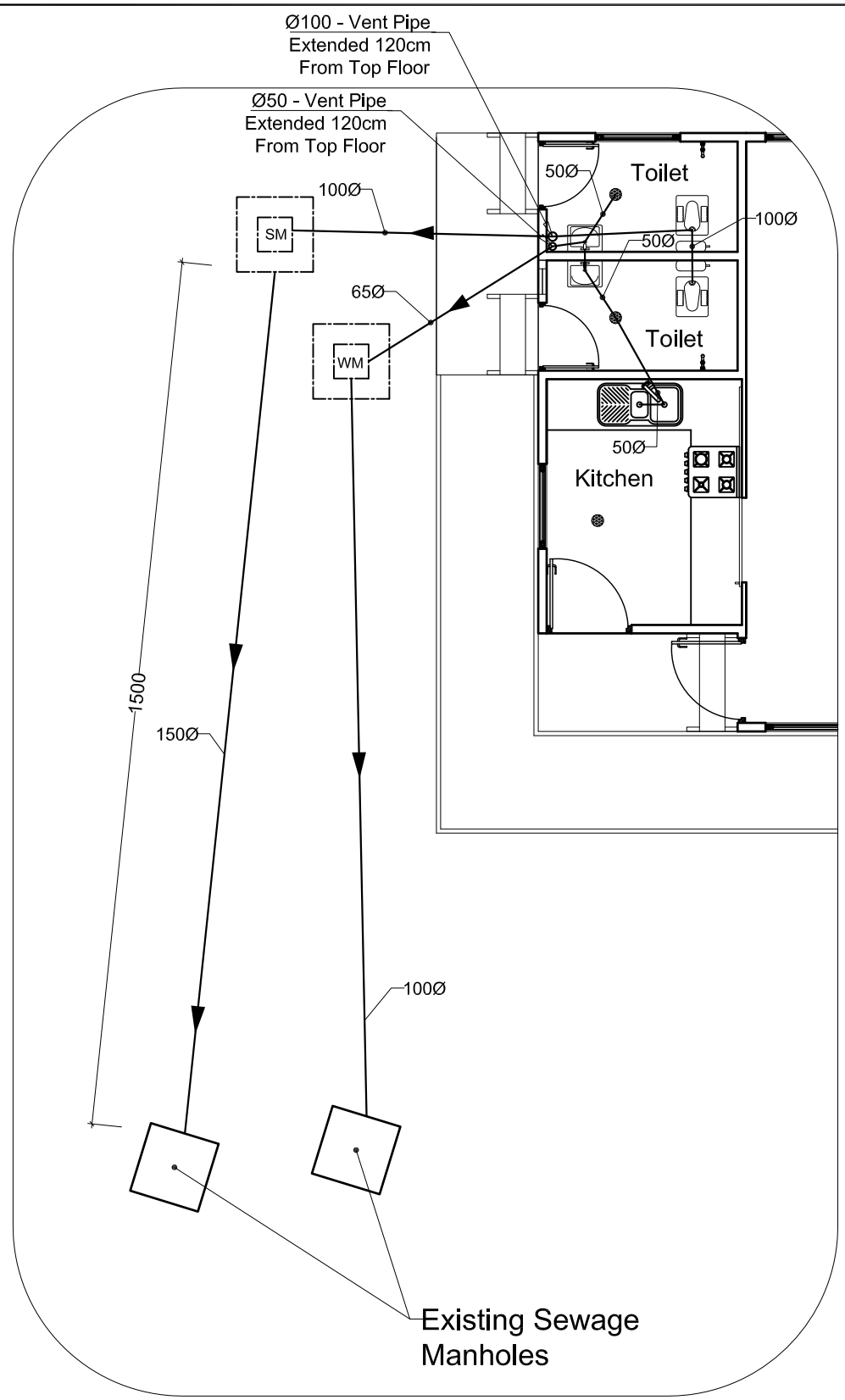
No.	Date	Revision		
			Architecture Designed by	Ahmad Atiq
1			Drawn	Ahmad Atiq
2			Checked by	Uma Shankar
3			Approved by	Bishwo Shrestha

Aga Khan Foundation, Afghanistan
National Programme Office, Engineering

Scale	As shown-A3	Sheet No.	30 / 32	Province	Kabul
Date	September-2018			District	10
Drawing No.	29			Place	Wazir Akbar Khan Hospital

Project name: PND Training Hall conex building

Drawing Title: Main sewage system layout Plan



Sewage system layout Plan

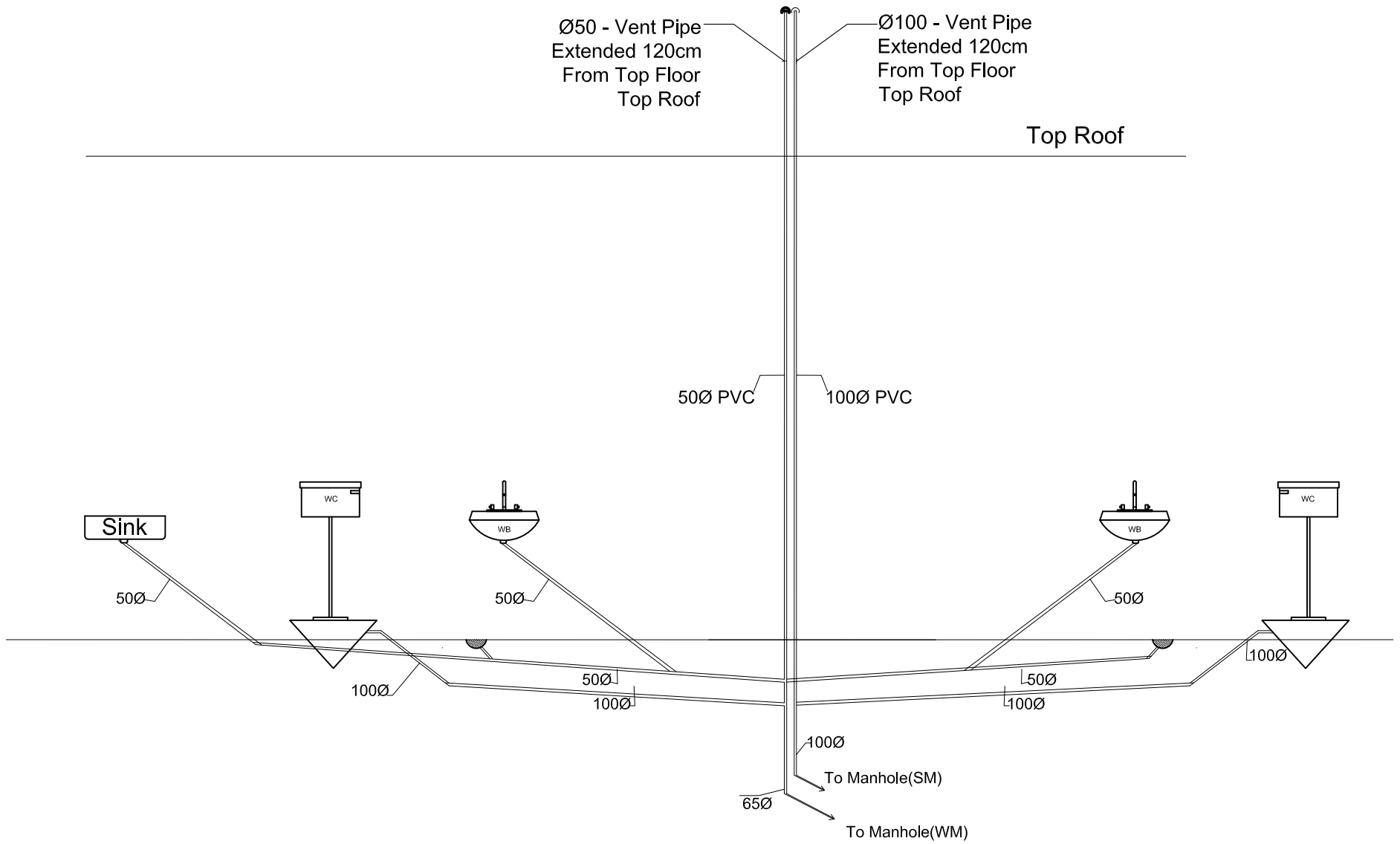
No.	Date	Revision		
			Architecture Designed by	Ahmad Atiq
1			Drawn	Ahmad Atiq
2			Checked by	Uma Shankar
3			Approved by	Bishwo Shrestha

Aga Khan Foundation, Afghanistan
National Programme Office, Engineering

Scale	As shown-A3	Sheet No.	31 / 32	Province: Kabul
Date	September-2018			District: 10
Drawing No.	30			Place: Wazir Akbar Khan Hospital

Project name: PND Training Hall conex building

Drawing Title: Sewage system layout Plan



Sewage System Schematic Diagram

No.	Date	Revision		
			Architecture Designed by	Ahmad Atiq
1			Drawn	Ahmad Atiq
2			Checked by	Uma Shankar
3			Approved by	Bishwo Shrestha

Aga Khan Foundation, Afghanistan
National Programme Office, Engineering

Scale	As shown-A3	Sheet No.	32 / 32	Province	Kabul
Date	September-2018			District	10
Drawing No.	31			Place	Wazir Akbar Khan Hospital

Project name: PND Training Hall conex building

Drawing Title: Sewage system Schematic Diagram