

Municipality Of Hilmand

DMM / Documents

Department of Construction / Technical Services

Documents

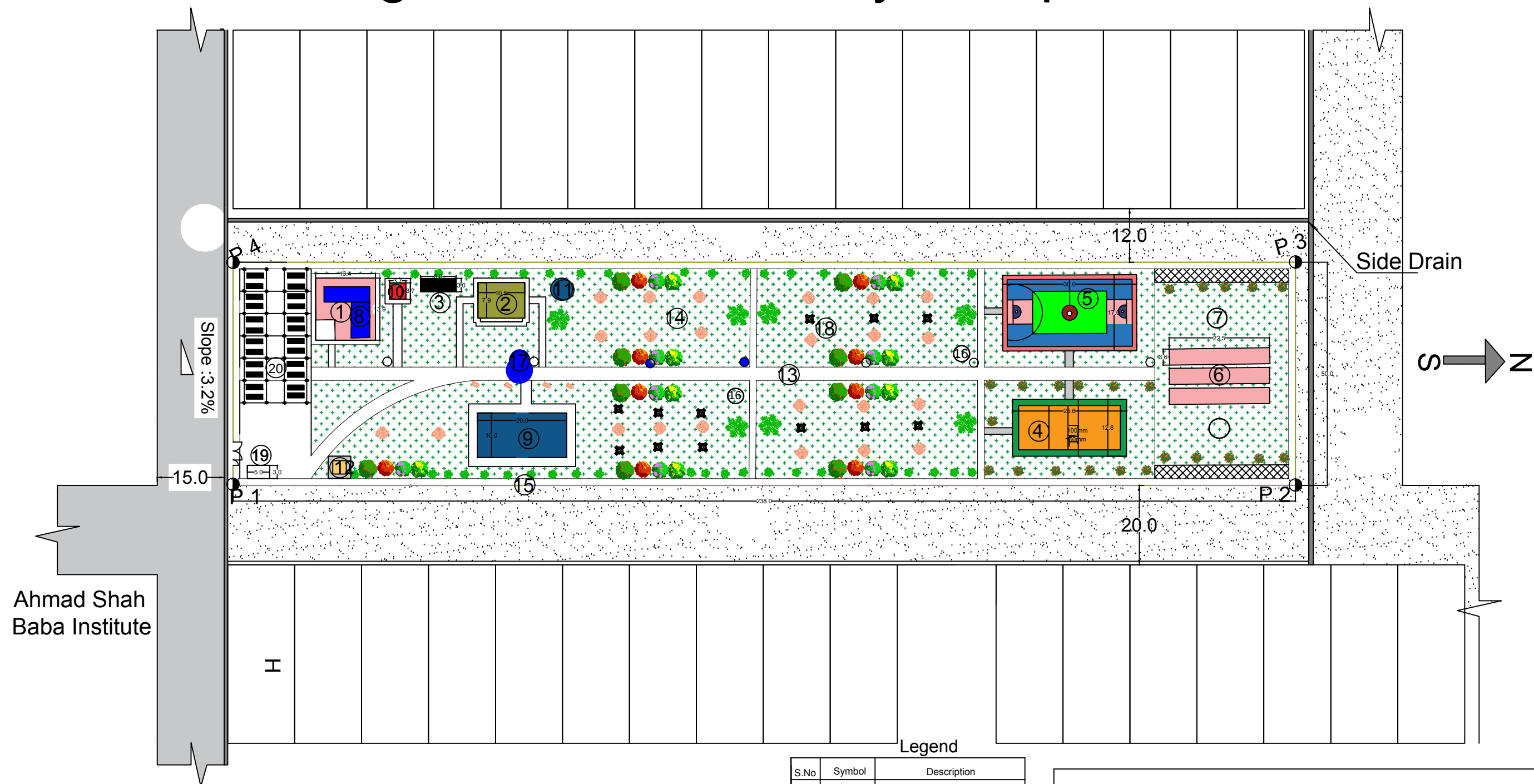
Construction of Community complex

Location: Lashkargah City, Hilmand Province

ARCHITECTURE
&
ENGINEERING
DESIGN

15 Nov-2022

Lashkargah-C-2 Community Complex Site Plan



Observations

1. Community Center and library
2. 6 pcs male Toilets and 2 pcs female toilets water tank & Hand wash
3. Septic Tank
4. Play Ground (volley ball)
5. Play Ground (Basket ball)
6. Cricket Academy
7. Play Ground (for children's)
8. Solar Energy system
9. Swimming pool.
10. Electrical Room
11. Deep Bore well
12. Store room.
13. Walk way/ Side walk
14. Green Area
15. Boundary wall with Main and Small Steel gate
16. Electrical Stands
17. Water Stand post
18. Canopy for setting with chairs and tables
19. Guard room
20. Parking

Legend

S.No	Symbol	Description
1	①	Proposed Park Area
2	②	Residential Houses
3	③	Unpaved Road
4	④	

GPS Coordinates

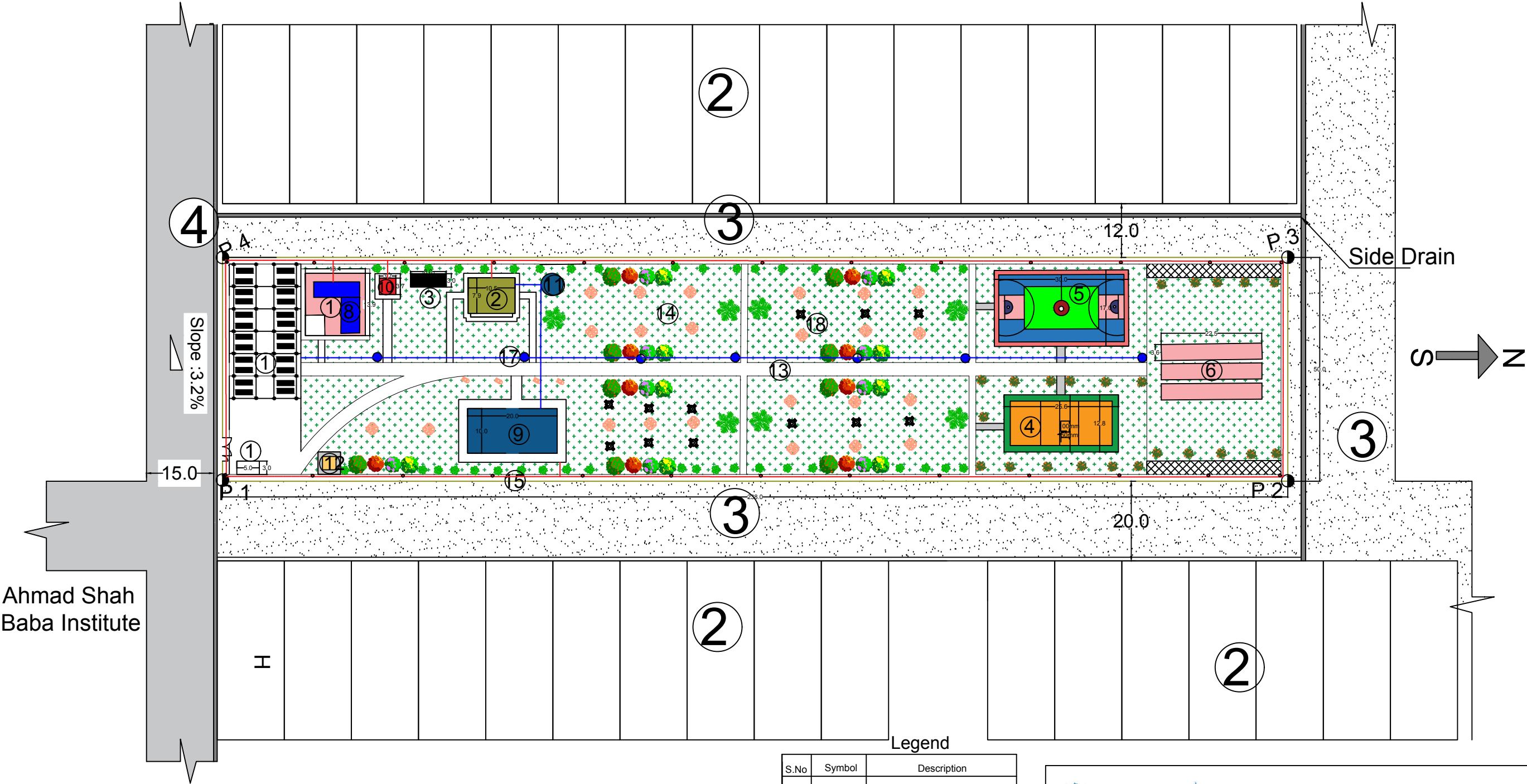
S.No	Symbol	N	E
1	P 1	31.604270	64.380720
2	P 2	31.606415	64.380564
3	P 3	31.606385	64.380064
4	P 4	31.604245	64.380198



Community Complex

Project code	HLD - 000 - 000			
Project	New Constructions of PARK			
Drawing Title	Site Elevation plan			
Project Location	Helmand city			
Drawn By:		Designed By:	Checked By:	
Name	Eng.Rasheed.	Eng.Amir M.		
Sign				
Date				

Lashkargah C-2 Community complex detail Site Plan

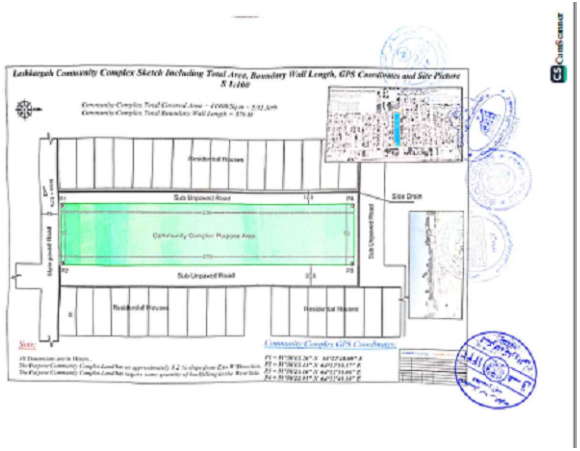


Legend

S.No	Symbol	Description
1	①	Proposed Park Area
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4	④	

GPS Coordinates

S.No	Symbol	N	E
1	P 1	31.604270	64.380720
2	P 2	31.606415	64.380564
3	P 3	31.606385	64.380064
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NOTE:

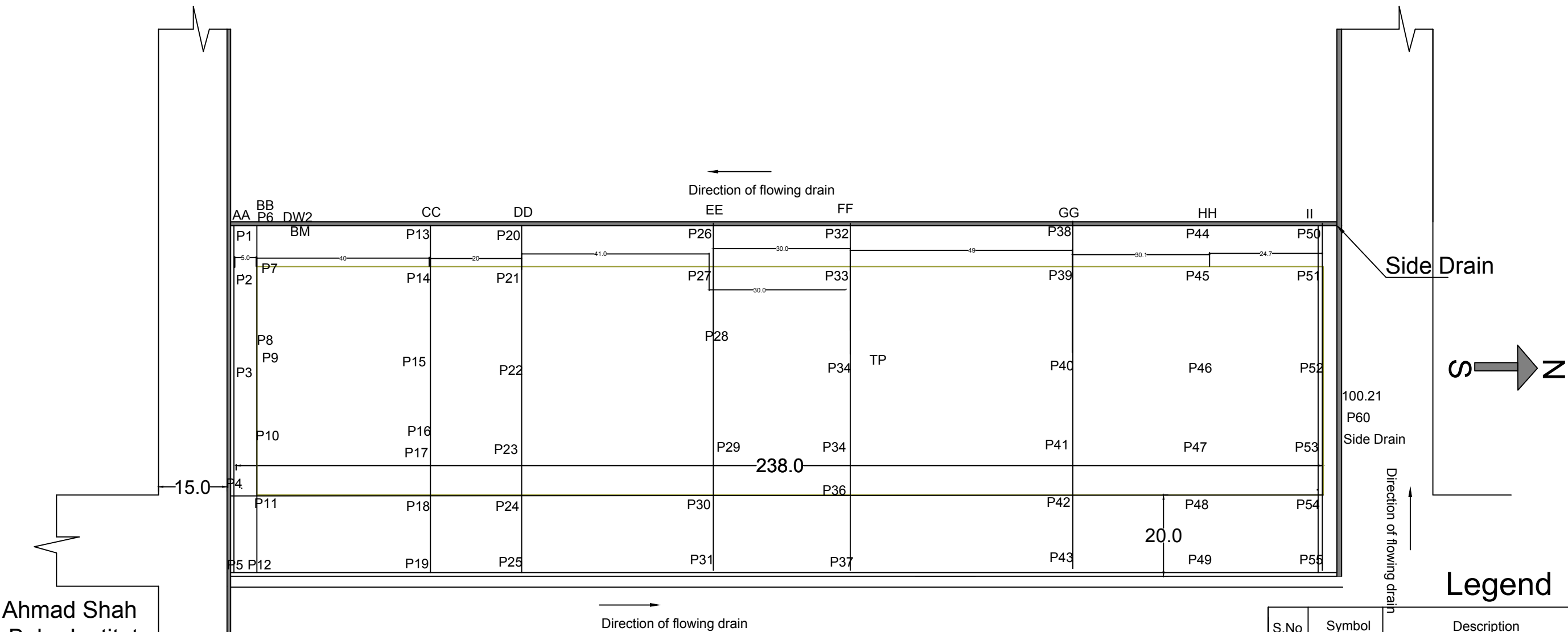
All Dimensions are in meter
Water Supply Pipe
Electrical Cable



Community Complex

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Project Location		Helmand city		
Drawn By:		Designed By:	Checked By:	
Name	Eng.Rasheed.	Eng.Amir M.		
Sign				
Date				


Lashkargah C-2 Community Complex - Elevation Plan



S.No	Symbol	Description
	①	Proposed Park Area
	②	Residential Houses
	③	Unpaved Road
	④	Paved Road

Note:
All dimensions are in Meters.
Side drains have a decreaseing slope form south to North and from East to West.The water flows South towards North direction.
while on the right side of the community center,side drain flows from East direction to west direction.
The drain on west side of Community center,water in side drain flows from North to south.

Dimension of Proposed Park: 50 m x 238 m



UNHCR

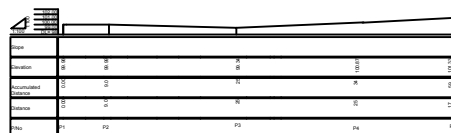
The UN Refugee Agency

Afghanistan

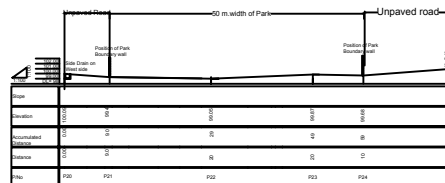
Community Complex

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Project Location		Helmand city		
Drawn By:		Designed By:	Checked By:	
Name	Eng.Rasheed.	Eng.Amir M.	Eng.Amir M.	
Sign				
Date				

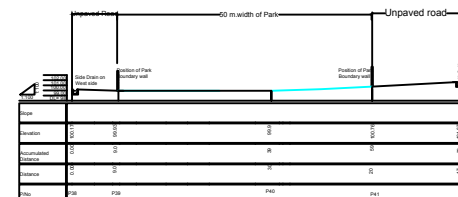
Cross Section of Community Complex



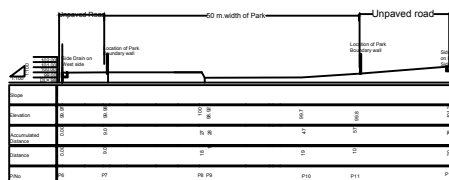
SECTION A-A
Section along paved road



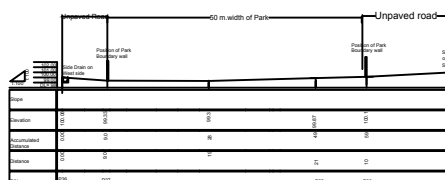
SECTION D-D L=41M



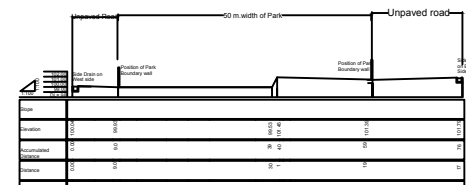
SECTION G-G L=32M



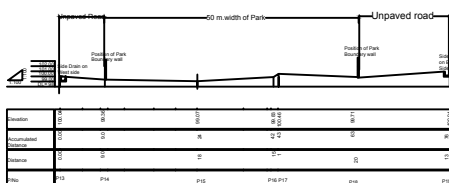
SECTION B-B
L=40 m



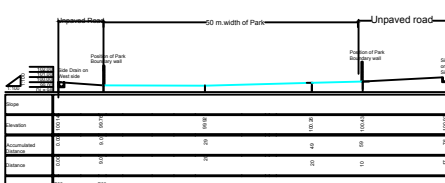
SECTION E-E L=30M



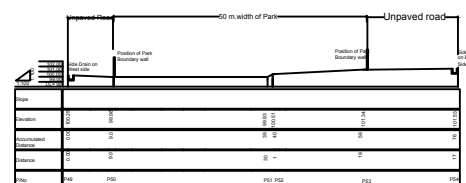
SECTION H-H L=26M



SECTION C-C L=20




SECTION F-F L=49M

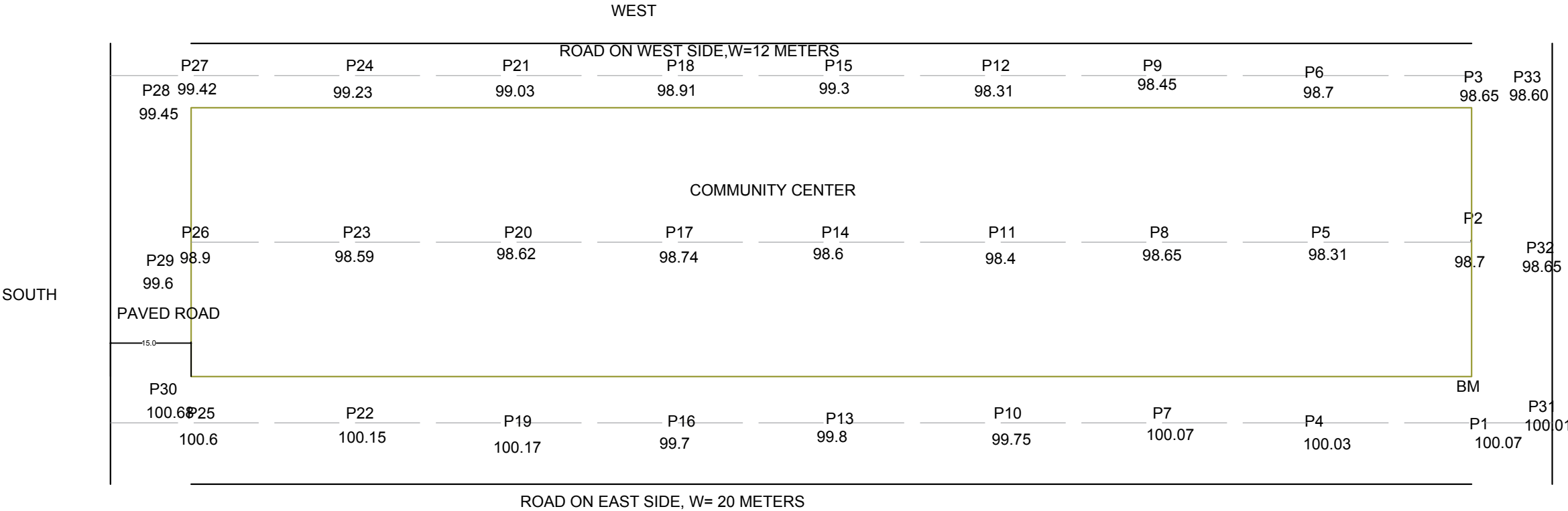


SECTION I-I




 UNHCR Afghanistan <small>Two UN Refugee Agencies</small>			
Project code	HLD - 000 - 000		
Project	New Constructions of PARK		
Drawing Title	Site Elevation plan		
Project Location	Helmand city		
Drawn By:	Designed By:	Checked By:	
Name	Eng.Rasheed	Eng.Amir M.	Eng.Amir M.
Sign			
Date			

Lashkargah-C-2 Community Complex Site Elevation Pla

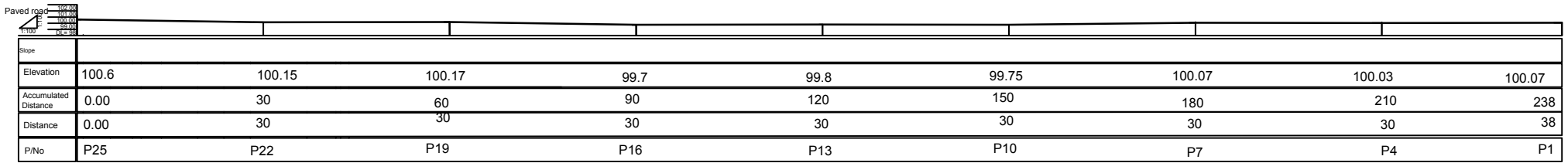


Note:
All dimensions are in Meters.
The proposed park land has an approximate slope of 3.2% in E-W Direction
The land may require some quantity of backfilling in its West side.
Dimension of Proposed Park: 50 m x 238 m
Area of Proposed Park: 11900 Sq.Meters

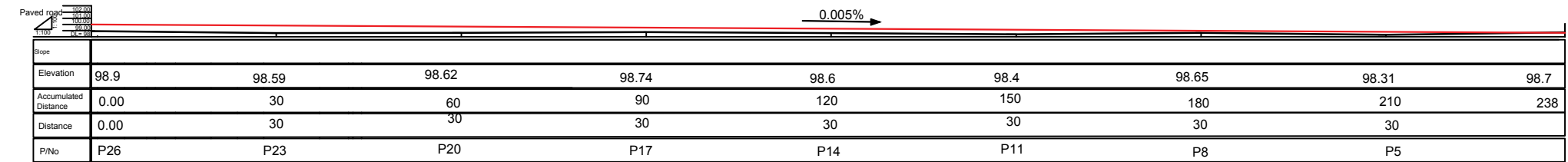


<div><div> UNHCR The UN Refugee Agency</div><div>Afghanistan</div><div>Community Complex</div></div>			
Project code	HLD - 000 - 000		
Project	New Constructions of PARK		
Drawing Title	Site Elevation plan		
Project Location	Helmand city		
Drawn By:	Designed By:	Checked By:	
Name	Eng.Rasheed.	Eng.Amir M.	Eng.Amir M.
Sign			
Date			

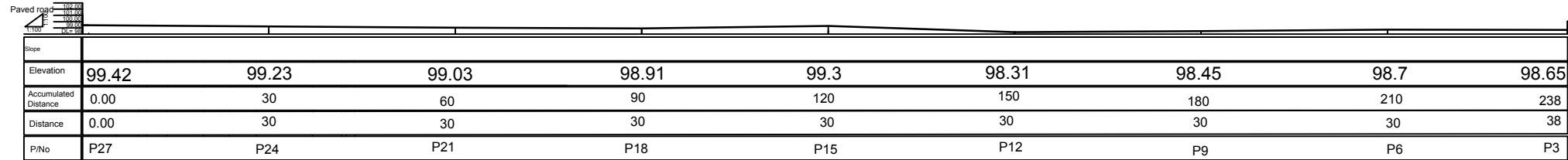
LONG PROFILES OF ROAD & PARK



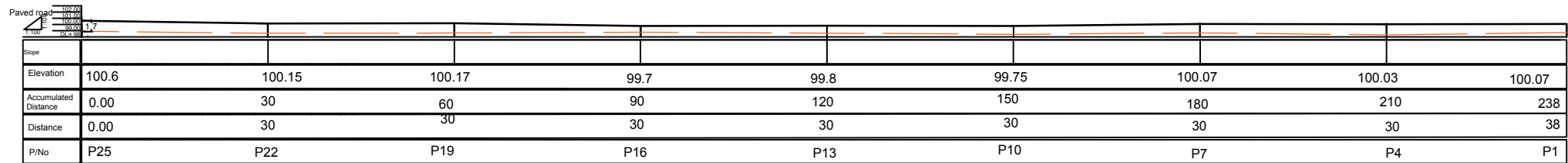
SECTION A-A
Main Road-East side



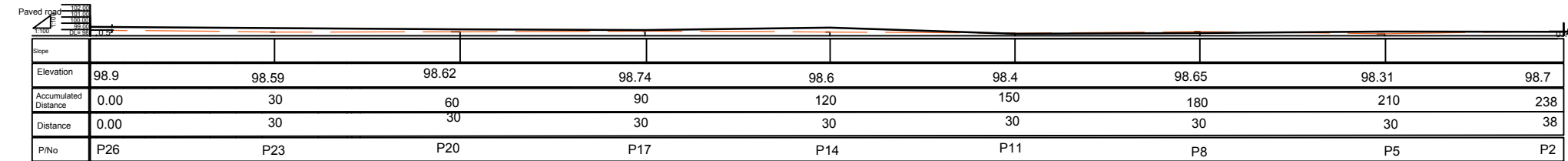
SECTION B-B
CENTERLINE OF PARK



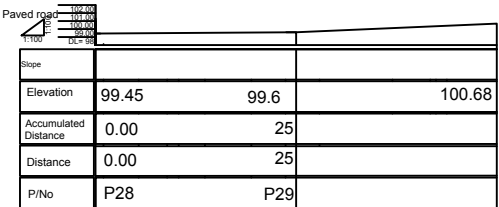
SECTION C-C
CENTERLINE OF ROAD-WEST SIDE



SECTION A-A AND BB



SECTION B-B AND C-C



CENTERLINE OF PAVED ROAD

SECTION A-A
CENTERLINE OF ROAD ON EAST SIDE

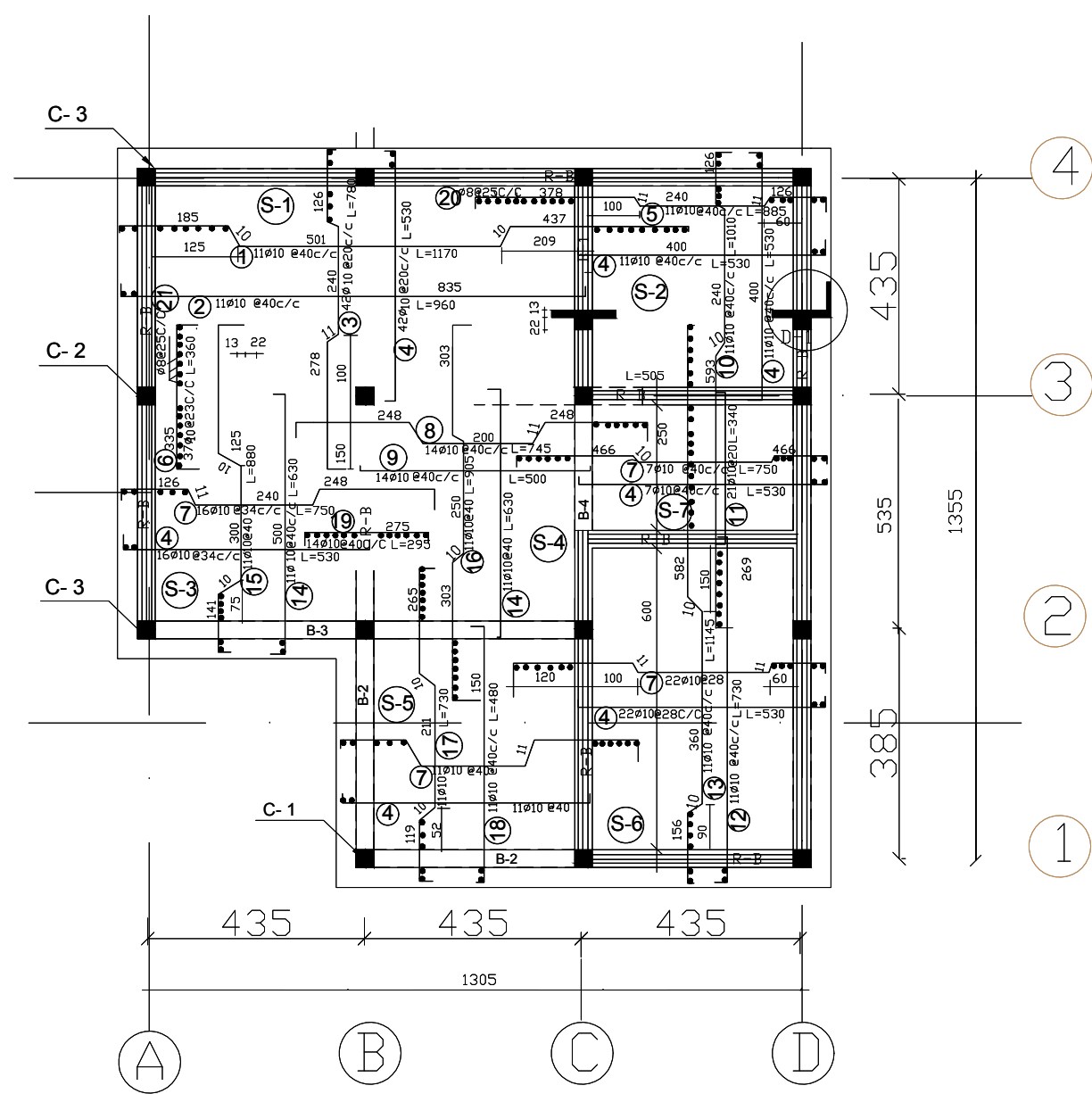
SECTION B-B CENTERLINE OF PARK



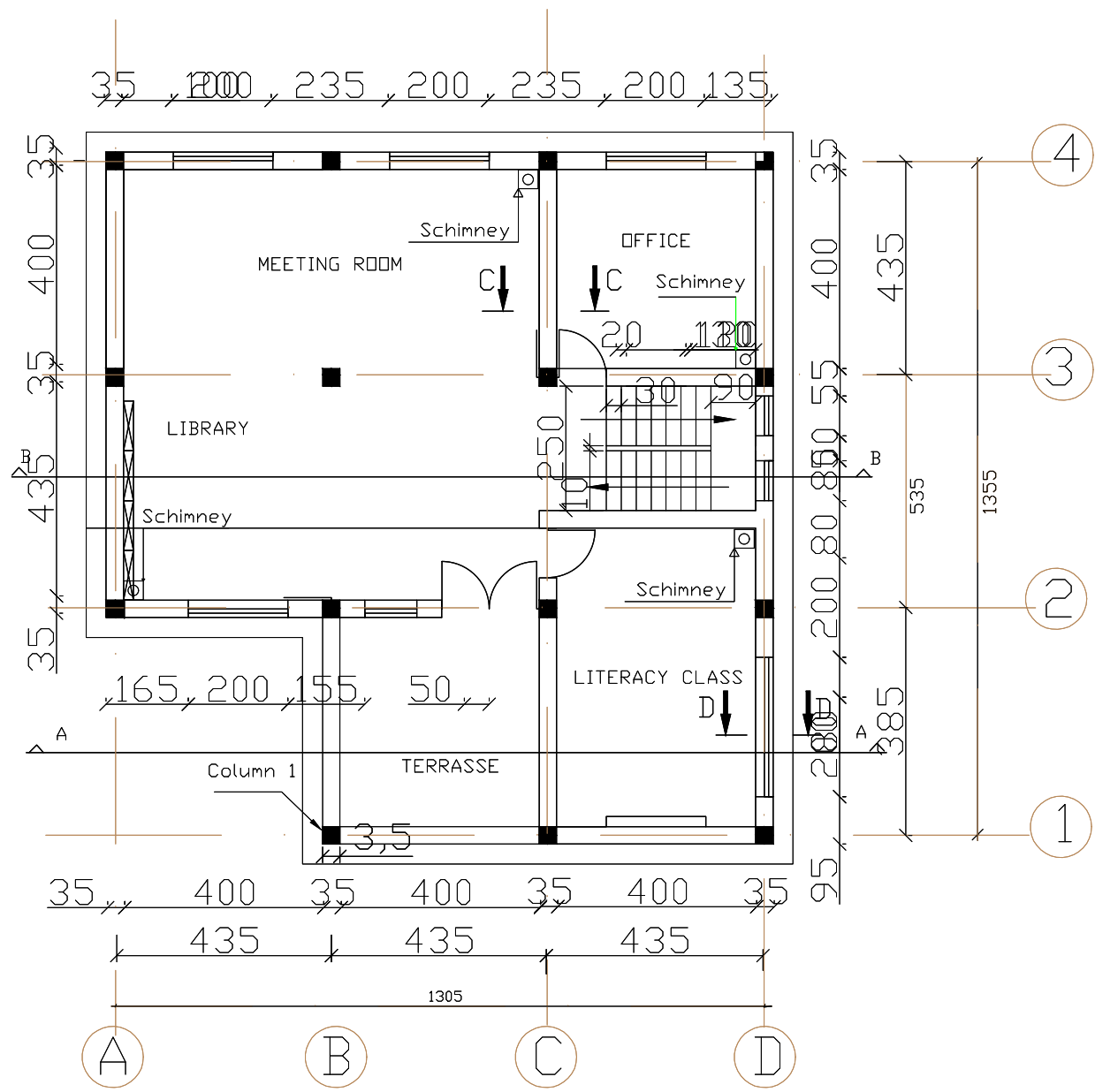
Community Complex

Project code	HLD - 000 - 000		
Project	New Constructions of PARK		
Drawing Title	Site Elevation plan		
Project Location	Helmand city		
Drawn By:	Designed By:	Checked By:	
Name	Eng.Rasheed.	Eng.Amir M.	Eng.Amir M.
Sign			
Date			

Slab Reinforcement Plan



Architectural Plan

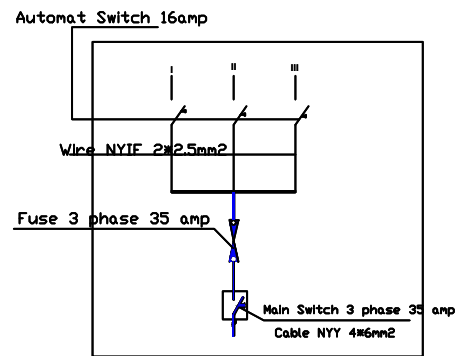
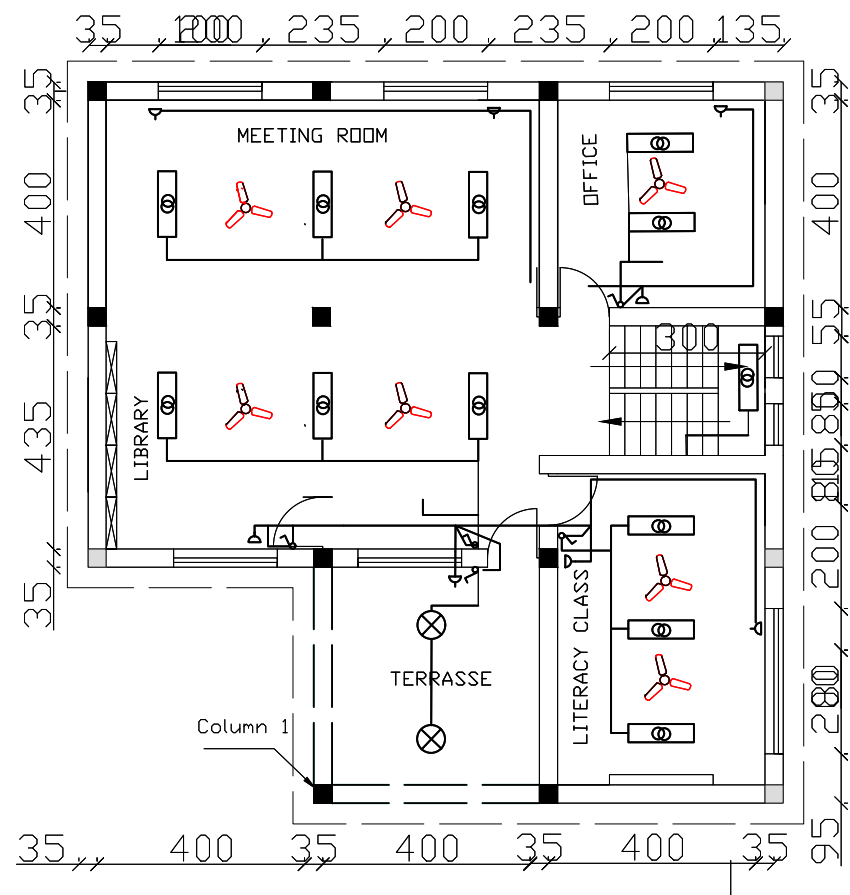


Note:
1-All dimension are in centimeters .
2-PCC shall be (1:2:4).
3-Mortar for stone masonry shall be (1:4).
4-Mortar for stone masonry shall be (1:3).
5-RCC shall be (1:1,5:3).
6-All steel bars should be not eroded or lubricated and has to be clean.
7-All steel bars should be Class(A1) $R_a = 2100 \text{ Kg/cm}^2$.
8-The curing must be not less than (28) days.

<div><div><div><div><div><div></div></div></div><div><div>UNHCR</div><div>The UN Refugee Agency</div></div></div><div>Afghanistan</div></div><div>COMMUNITY COMPLEX</div></div>					
Project Code	KND - 000 - 000				
Project Title	New Construction of community center				
Drawing Title	Plan				
Project Location	Helmand city				
Drawn By:	Designed By:	Checked By:	Review By:	Approved By:	Sheet No:
Name Eng.Amir M.	Eng.Amir M.				00 of 00
Sign					Scales:
Date					1:100

ELECTRICITY SCHEME

COMMUNITY CENTER



No	Description	QNT	Unit	Shape	Remarks
1	Fluorescent light (2 rod) (Iranian)	11	pcs		
2	Ceiling lamp Ø 20cm (Iranian)	4	pcs		
3	Wall bracket lamp	2	pcs		
4	Socket (under plaster)	12	pcs		
5	One way switch (under plaster)	9	pcs		
6	Two way switch (under plaster)	2	pcs		
7	Joint box (under plaster)	10	pcs		
8	Wire NYIF 2*1.5mm2 Cu (Iranian)	As required	m		
9	Wire NYIF 2*2.5mm2 Cu (Iranian)	As required	m		
10	Earth plat (Zinck)	10	m		
11	Automat switch 16 amp (Czech)	3	pcs		
12	Fuse 25 amp	3	pcs		
13	Fuse box (1 rod) Iranian	1	pcs		
14	Cable 4*6 mm2 NYY (Iranian)	As required	m		
15	Main Switch 35 amp 3 phase (Iranian)	1	pcs		

Note:


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- 5-RCC shall be (1:1,5:3).
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Name Eng.Amir M.	Eng.Amir M.				00 of 00
Sign					Scales:
Date					1:100

Reinforcement Schedule of Beams, Ringbeams and colmun

Note:

- 1-All dimension are in centimeters .
- 2-PCC shall be (1:2:4).
- 3- PCC cavity blocks masonry filled with PCC and reinforced with steel.
- 5-RCC shall be (1:1,5:3).
- 6-All steel bars should be not eroded or lubricated and has to be clean.
- 7-All steel bars should be Class(A1) $R_a = 2100 \text{ Kg/cm}^2$.
- 8-The curing must be not less than (28) days.



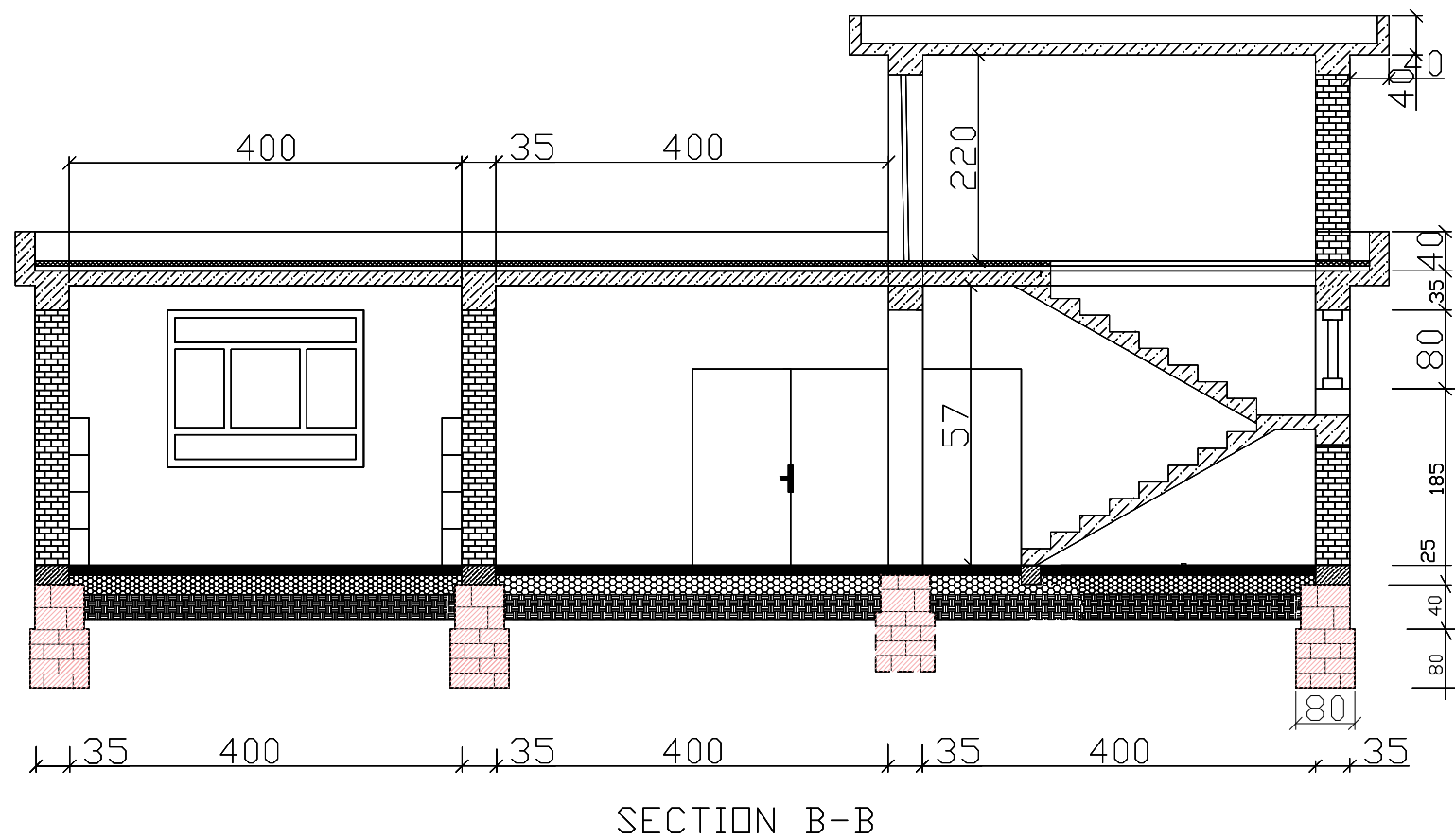
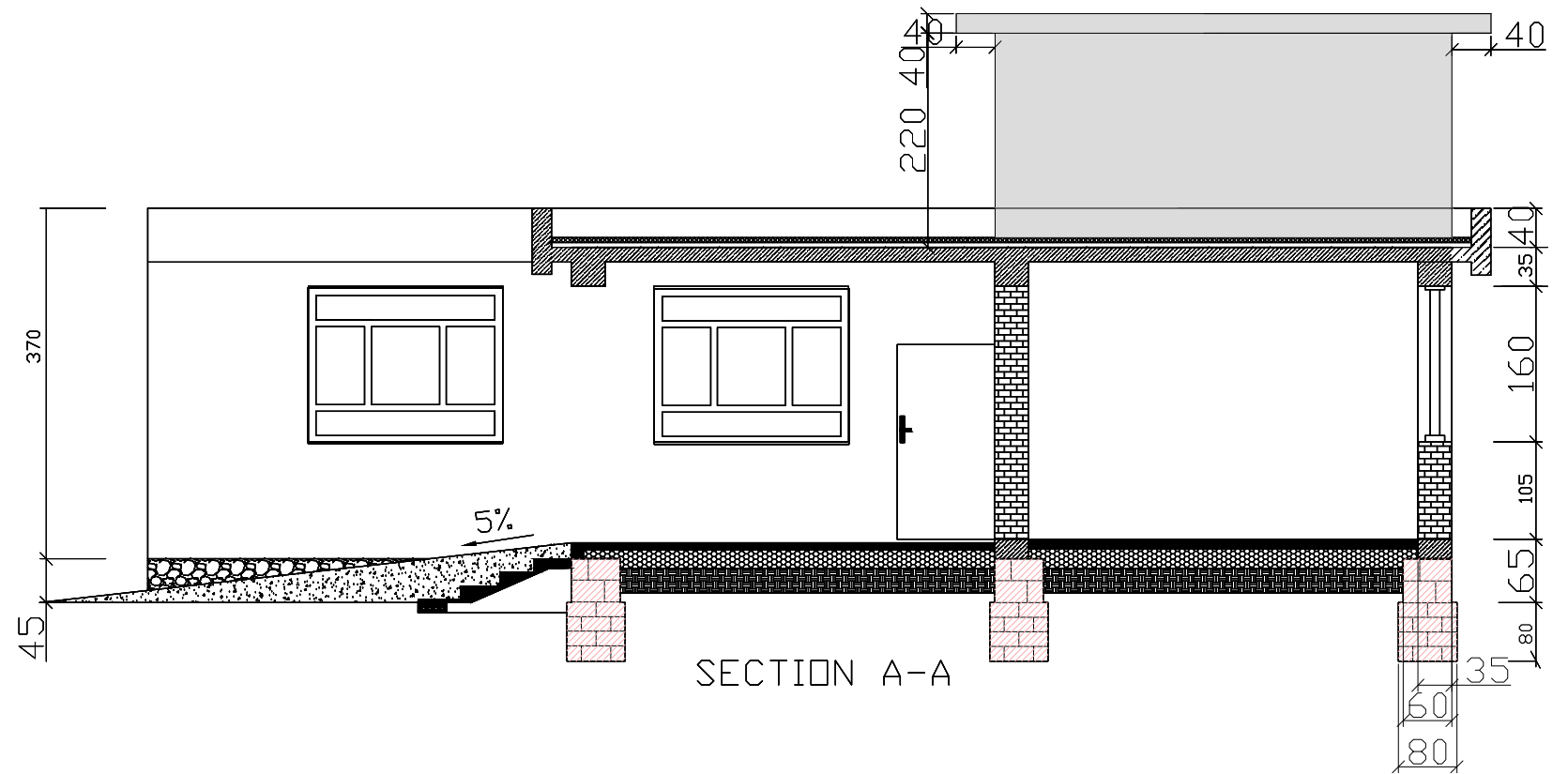
UNHCR
The UN Refugee Agency

Afghanistan

COMMUNITY COMPLEX

Project Code	KND - 000 - 000
Project Title	New Construction of community center
Drawing Title	Plan
Project Location	Helmand city

Drawn By:	Designed By:	Checked By:	Review By:	Approved By:	Sheet No
Name Eng.Amir M.	Eng.Amir M.				00 of 00
Sign					Scales:
Date					1:100



Note:

1-All dimension are in centimeters .

2-PCC shall be (1:2:4).

3 PCC cavity blocks)masonry filled with PCC and reinforced with steel.

5-RCC shall be (1:1,5:3).

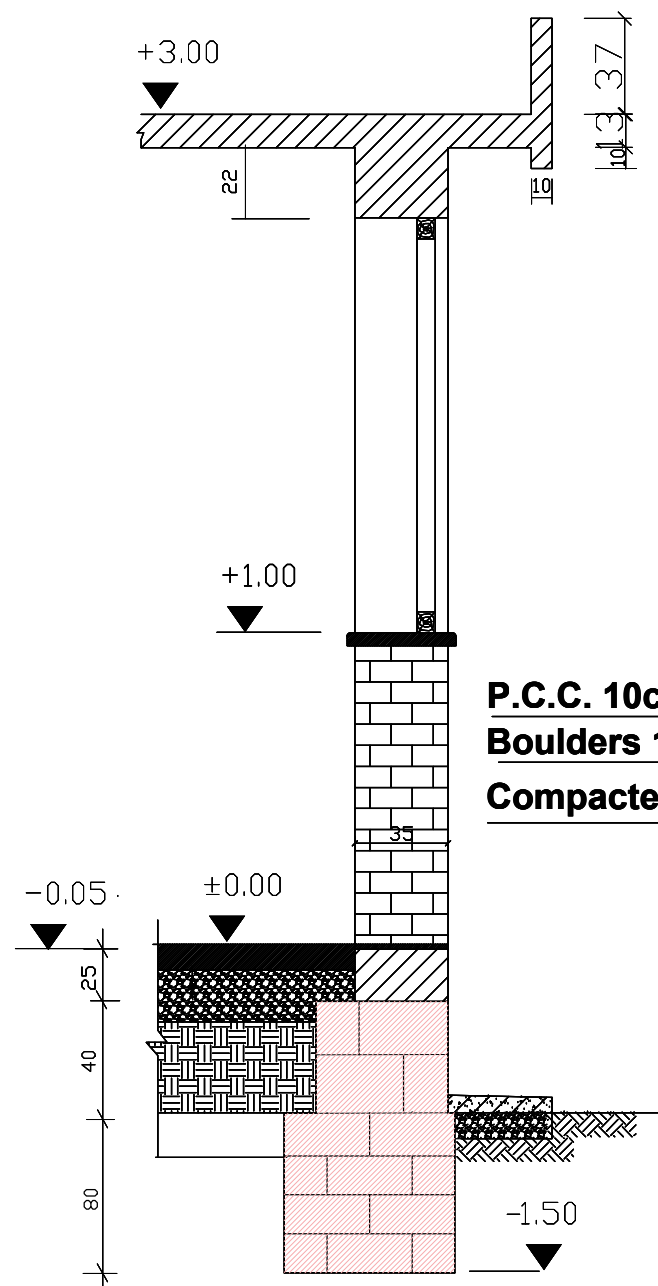
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7-All steel bars should be Class(A1) $R_a = 2100 \text{ Kg/cm}^2$.

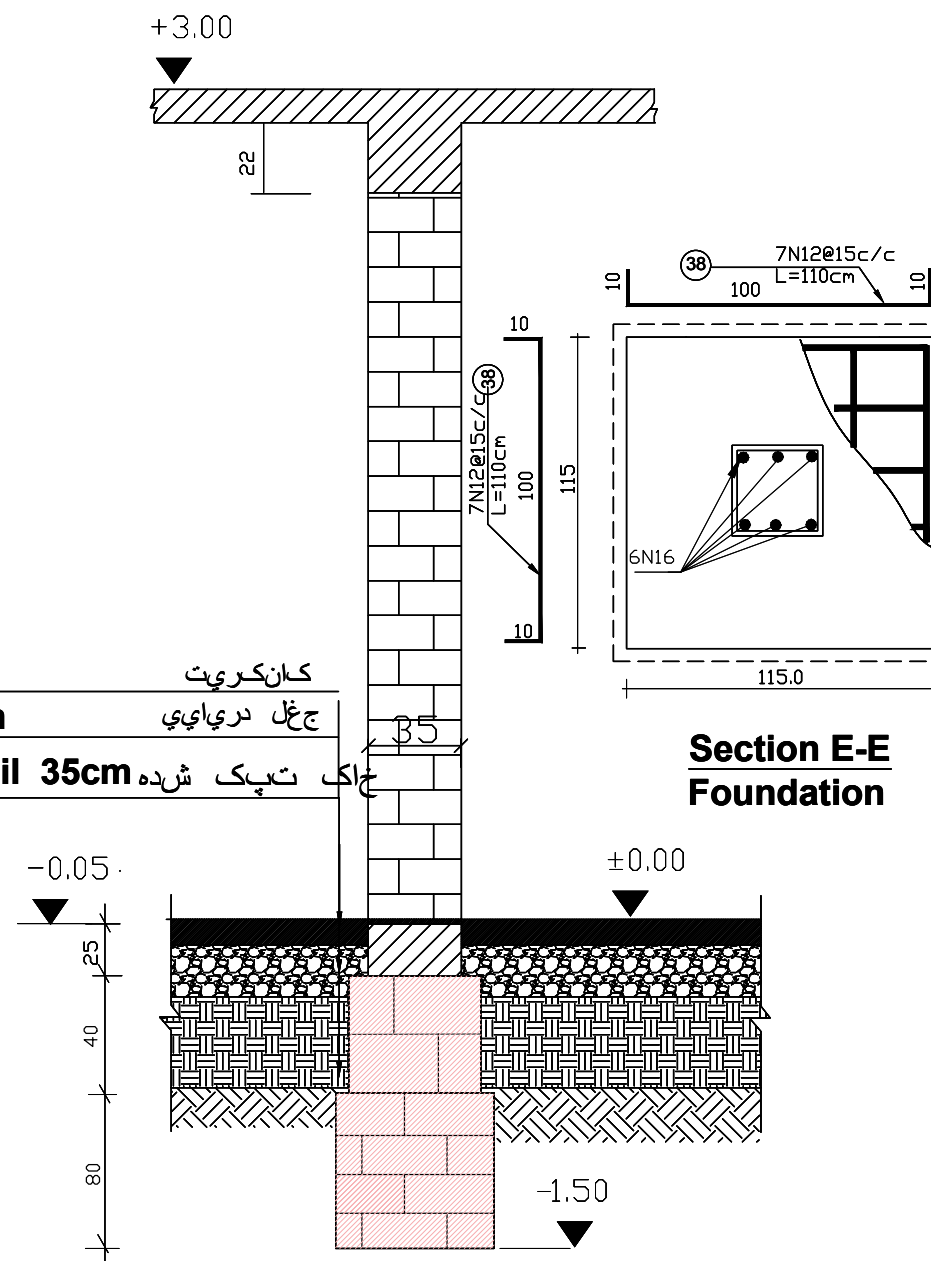
8-The curing must be not less than (28) days.

Project Code	KND - 000 - 000				
Project Title	New Construction of community center				
Drawing Title	Plan				
Project Location	Helmand city				

Drawn By:	Designed By:	Checked By:	Reveiw By:	Approved By:	Sheet No:
Name Eng.Amir M.	Eng.Amir M.				00 of 00
Sign					Scales:

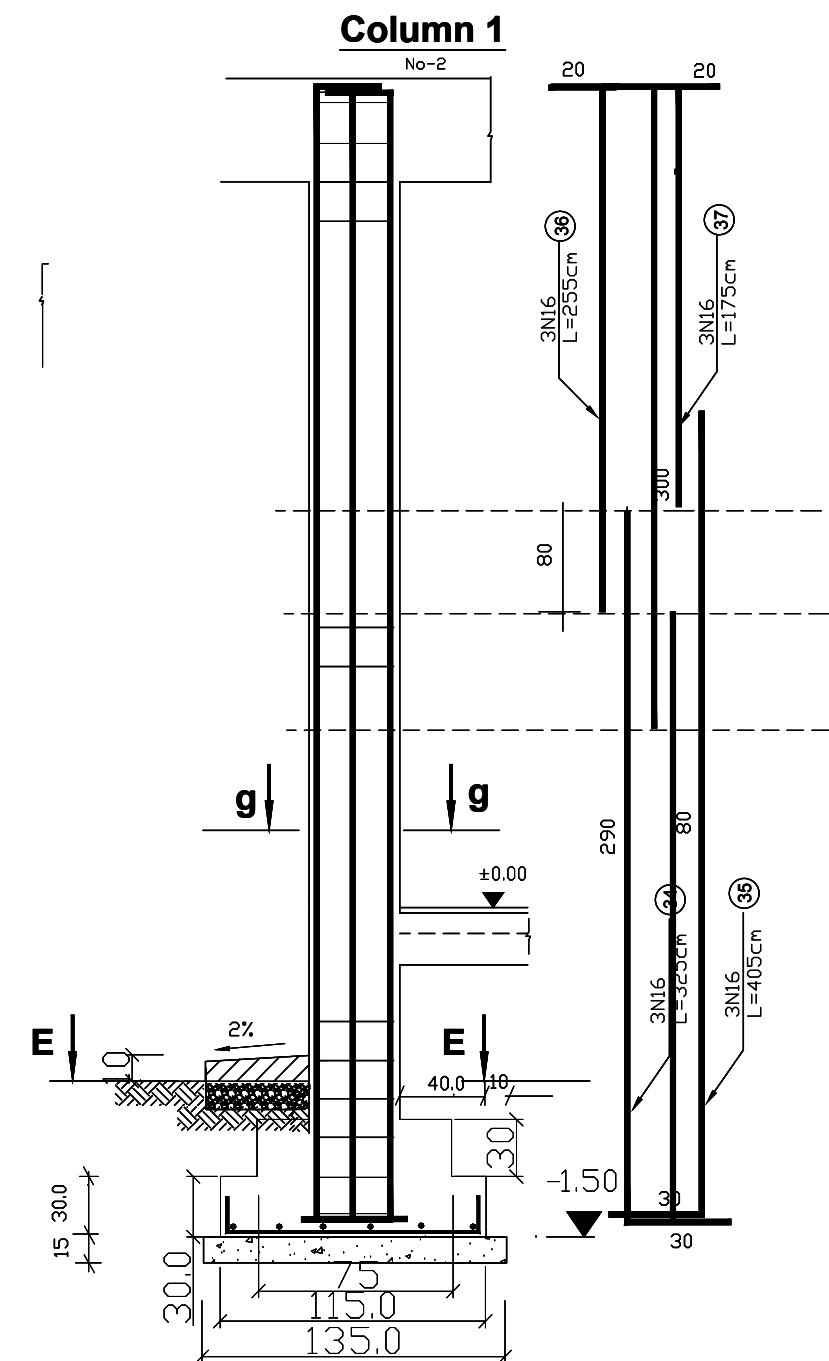


Section D-D



Section C-C

Section E-E
Foundation

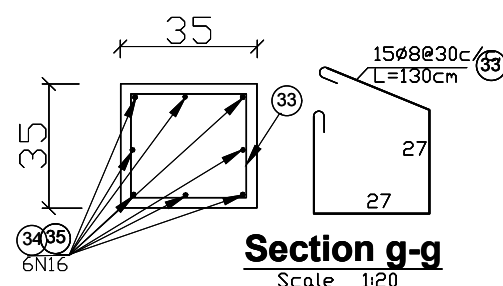


Foundation

Scale 1:50

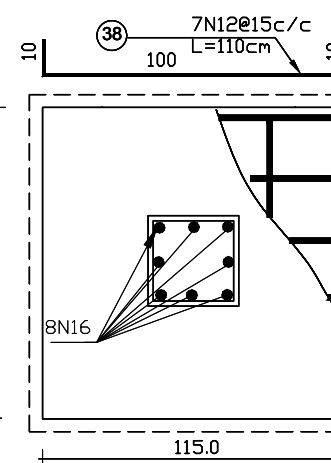
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Section g-g

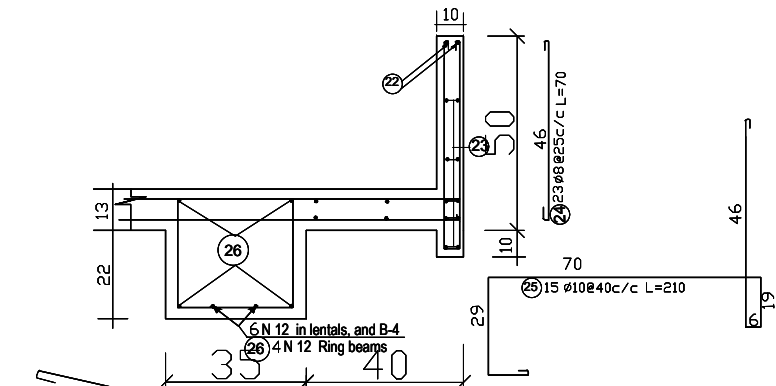
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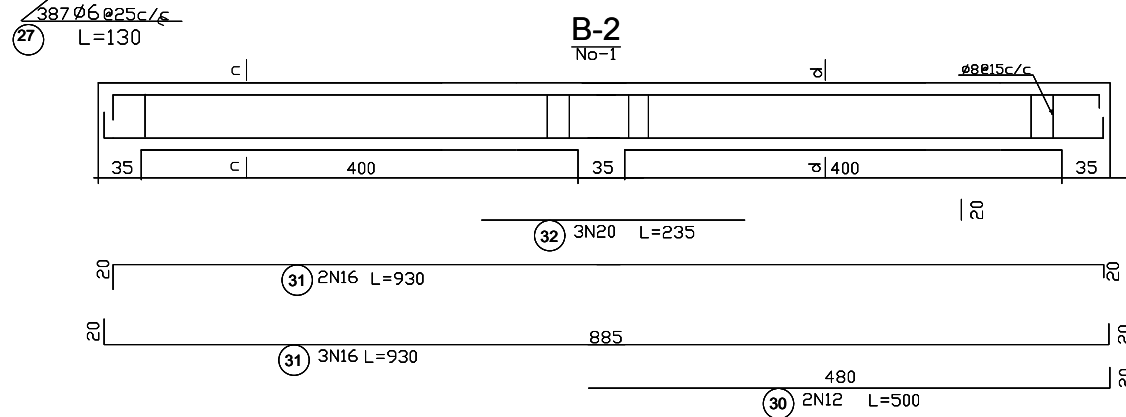
UNHCR Afghanistan
The UN Refugee Agency

COMMUNITY PROJECT

Project Code	HLD - 000 - 000				
Project Title	New Construction of community center				
Drawing Title	Plan				
Project Location	Kandahar city				
Drawn By:	Designed By:	Checked By:	Reveiw By:	Approved By:	Sheet No:
Name Eng.Amir M.	Eng.Amir M.				00 of 00
Sign					Scales:
Date					1:100

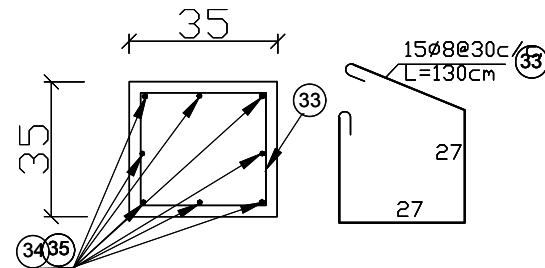


Detail-1

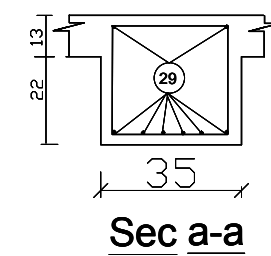
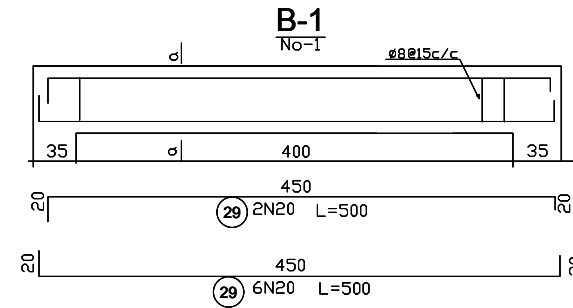


Section of column

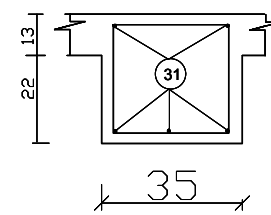
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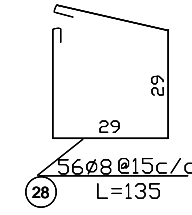
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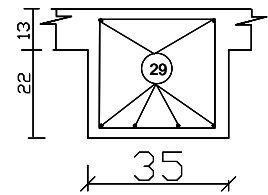
Sec a-a



Sec c-c



Sec d-d



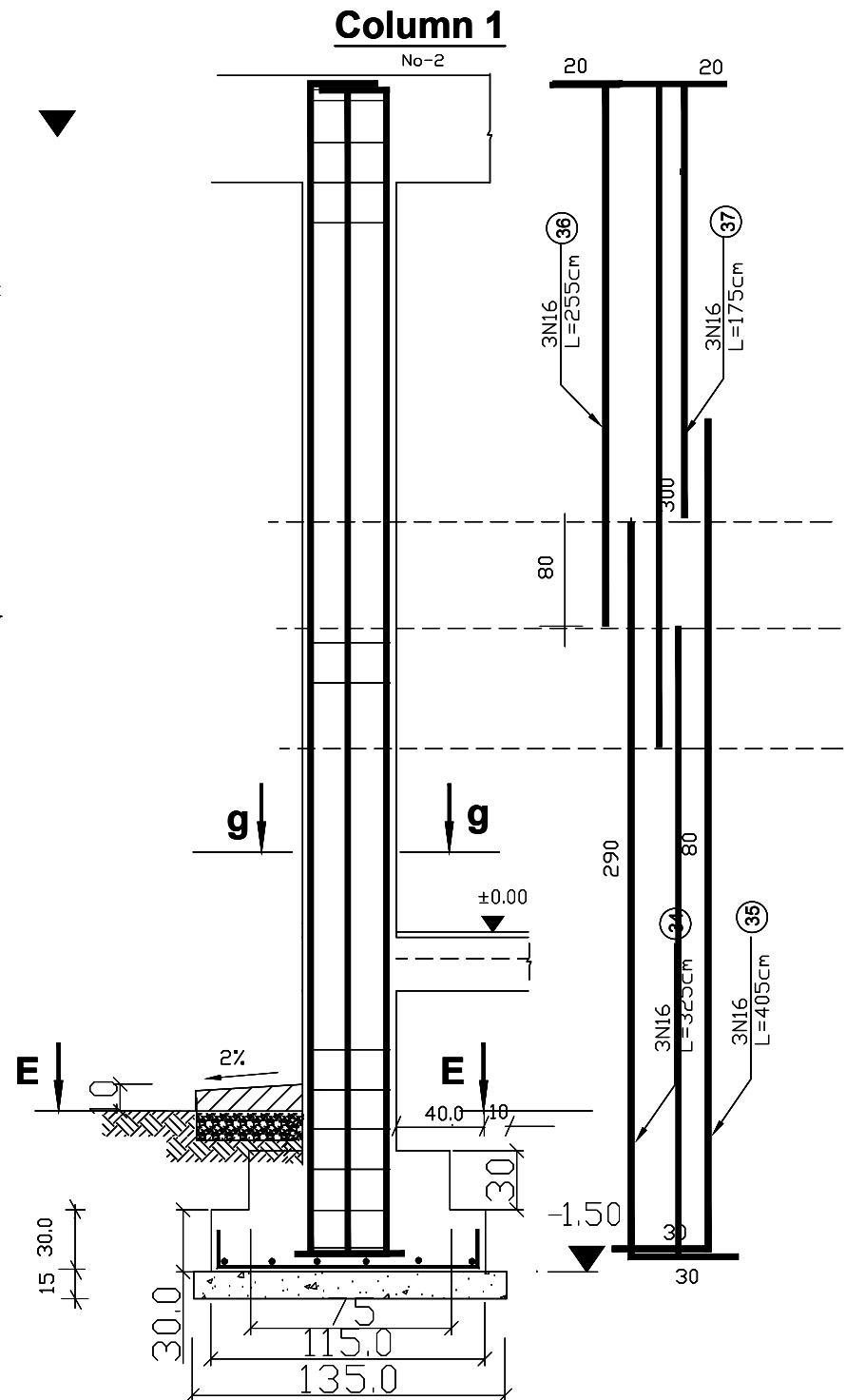
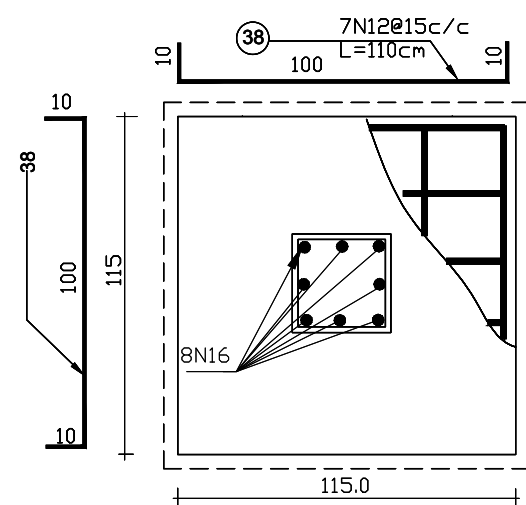
Sec -b-b

Beam-2

No-2

Foundation

Scale 1:50



Column 1

No-2

UNHCR Afghanistan
The UN Refugee Agency

COMMUNITY COMPLEX

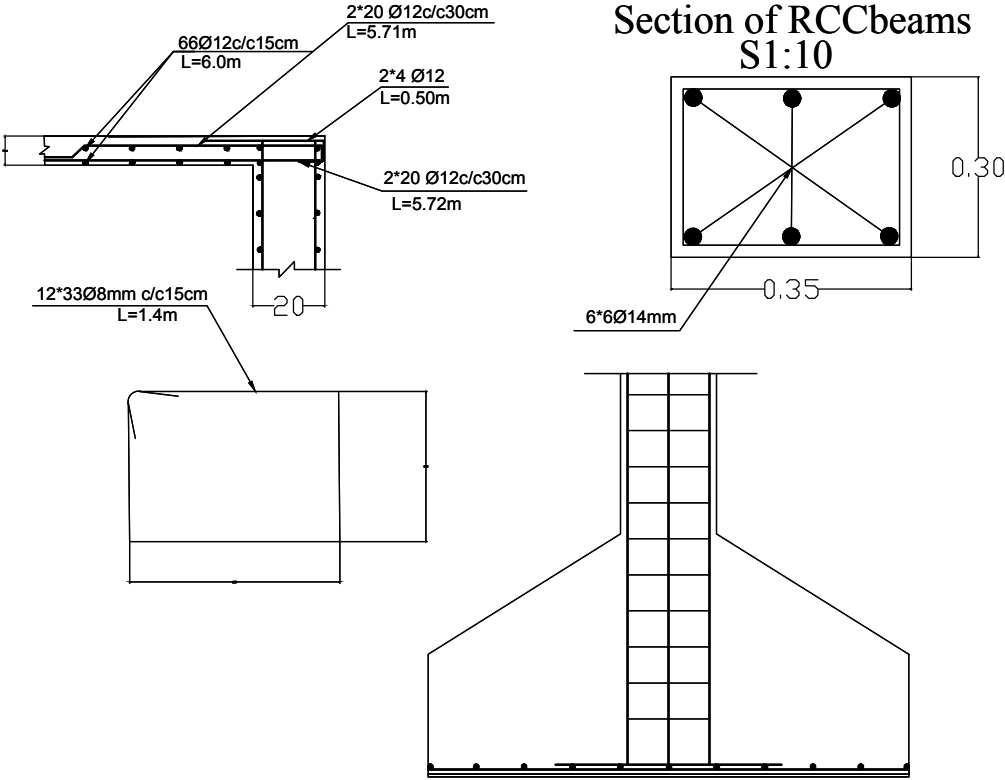
Project Code	HLD - 000 - 000				
Project Title	New Construction of community center				
Drawing Title	Plan				
Project Location	Helmand city				
Drawn By:	Designed By:	Checked By:	Review By:	Approved By:	Sheet No:
Name Eng.Amir M.	Eng.Amir M.				00 of 00
Sign					Scales:
Date					1:100

Note:

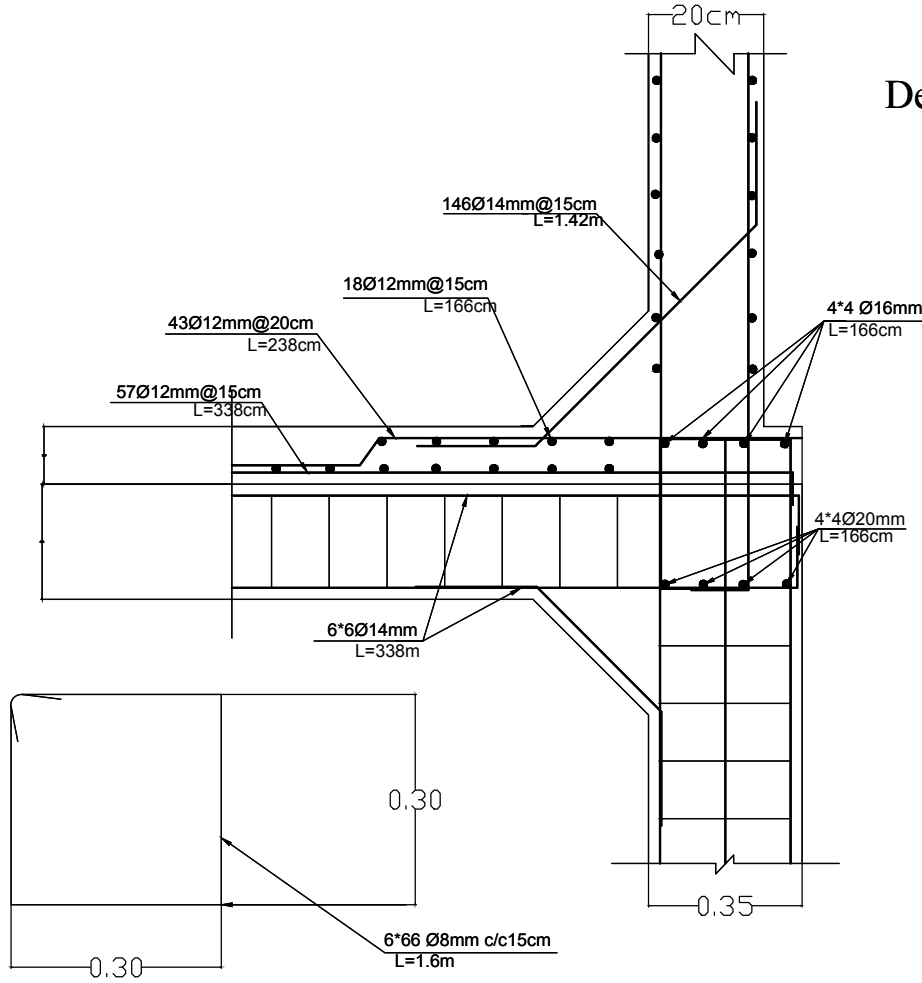
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- 5-RCC shall be (1:1,5:3).
- 6-All steel bars should be not eroded or lubricated and has to be clean.
- 7-All steel bars should be Class(A1) Ra= 2100 Kg/cm².
- 8-The curing must be not less than (28) days.

REINFORCEMENT DETAILS

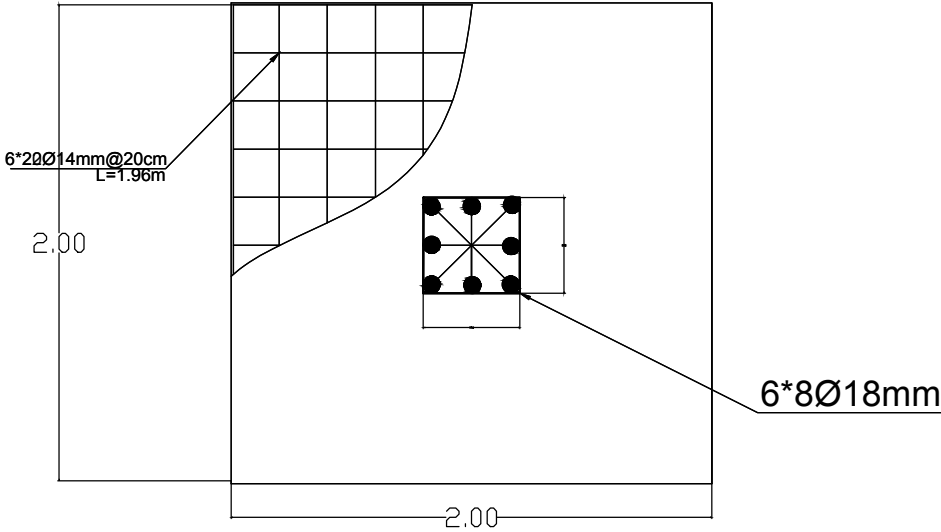
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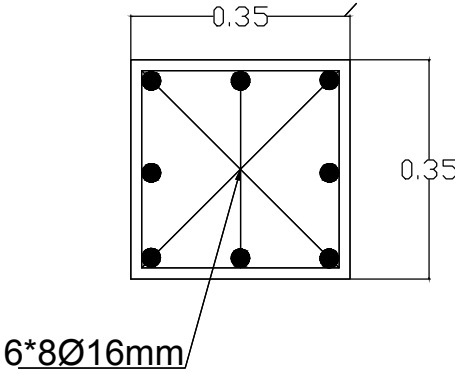
Detaille no 2




Plan Foundation
S1:25

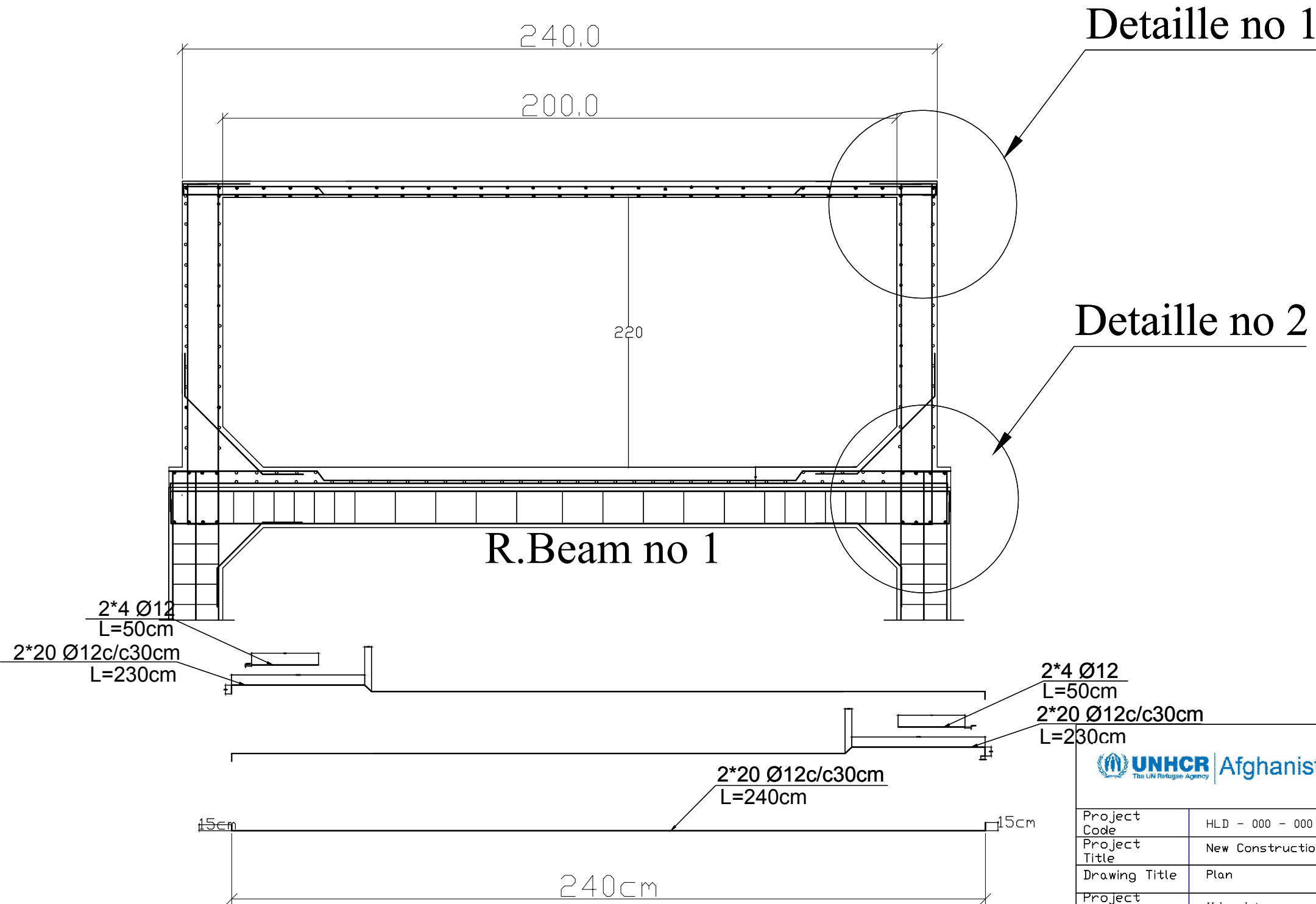


Section of RCC colums
S1:10



 UNHCR Afghanistan <small>The UN Refugee Agency</small>					
COMMUNITY COMPLEX					
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Date					1:100

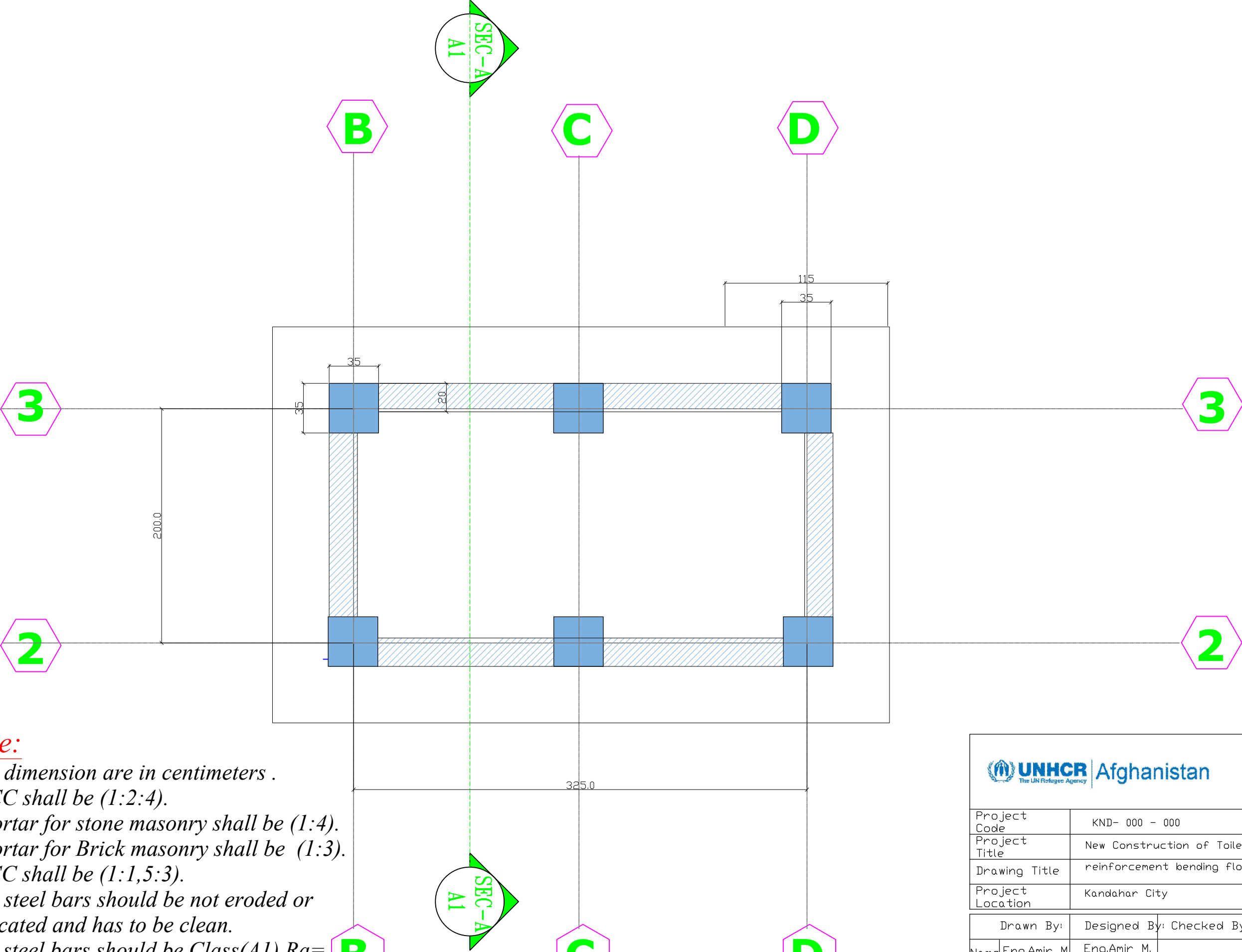
SECTION A-A



COMMUNITY COMPLEX

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Drawing Title	Plan				
Project Location	Helmand city				
Drawn By:	Designed By:	Checked By:	Reveiw By:	Approved By:	Sheet No:
Name Eng.Amir M.	Eng.Amir M.				00 of 00
Sign					Scales:
Date					1:100

FOUNDATION PLAN OF
CONSTRUCTION RESERVOIR



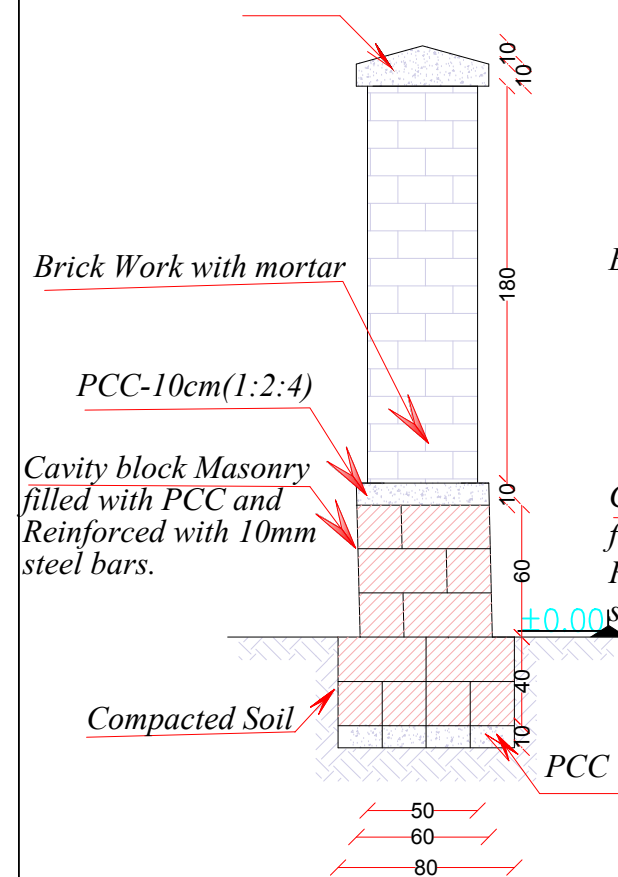
Note:
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3-Mortar for stone masonry shall be (1:4).
4-Mortar for Brick masonry shall be (1:3).
5-RCC shall be (1:1,5:3).
6-All steel bars should be not eroded or lubricated and has to be clean.
7-All steel bars should be Class(A1) Ra= 2100 Kg/cm² .
8-The curing must be not less than (28) days.

<div><div> UNHCR Afghanistan</div><div>The UN Refugee Agency</div></div> <div>COMMUNITY COMPLEX</div>						
Project Code	KND- 000 - 000					
Project Title	New Construction of Toilets					
Drawing Title	reinforcement bending floor of building					
Project Location	Kandahar City					
Drawn By:		Designed By:	Checked By:	Reveiw By:	Approved By:	Sheet No:
Name	Eng.Amir M.	Eng.Amir M.				00 of 00
Sign						Scales:
Date						1:100

Boundary wall for Community Complex

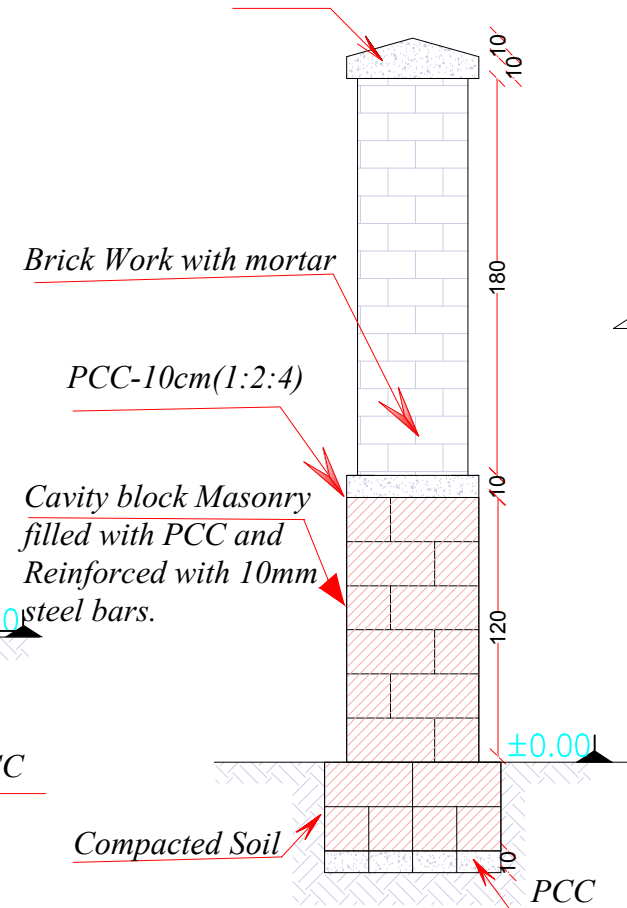
Section Type #1

PCC Coping

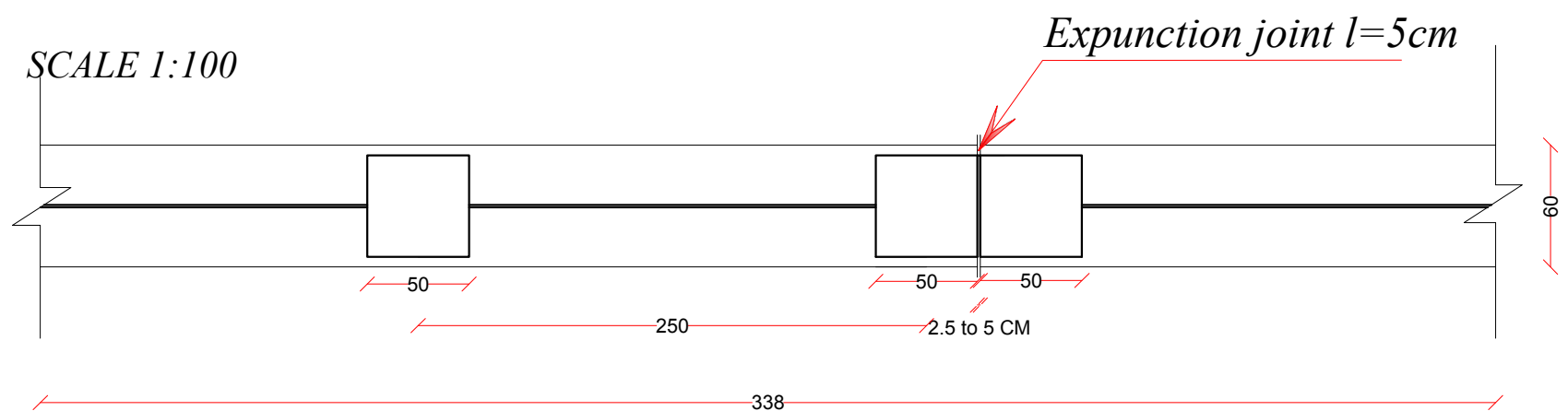


Section Type#2

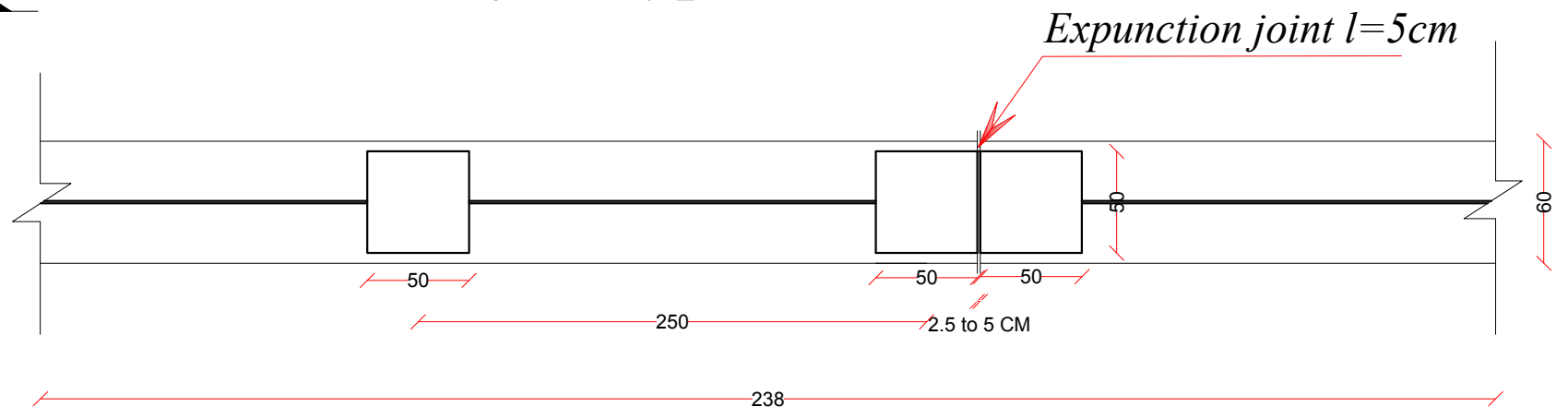
PCC Coping



Plan for Type#1 wall



Plan for Type#2 wall



Totaly lenght of boundary wall=576m

Note:

- 1-All dimension are in centimeters .
- 2-PCC shall be (1:2:4).
- 3-Mortar for stone masonry shall be (1:4).
- 4-Mortar for stone masonry shall be (1:3).
- 5-RCC shall be (1:1,5:3).
- 6-All steel bars should be not eroded or lubricated and has to be clean.
- 7-All steel bars should be Class(A1) $R_a = 2100 \text{ Kg/cm}^2$.
- 8-The curing must be not less than (28) days.

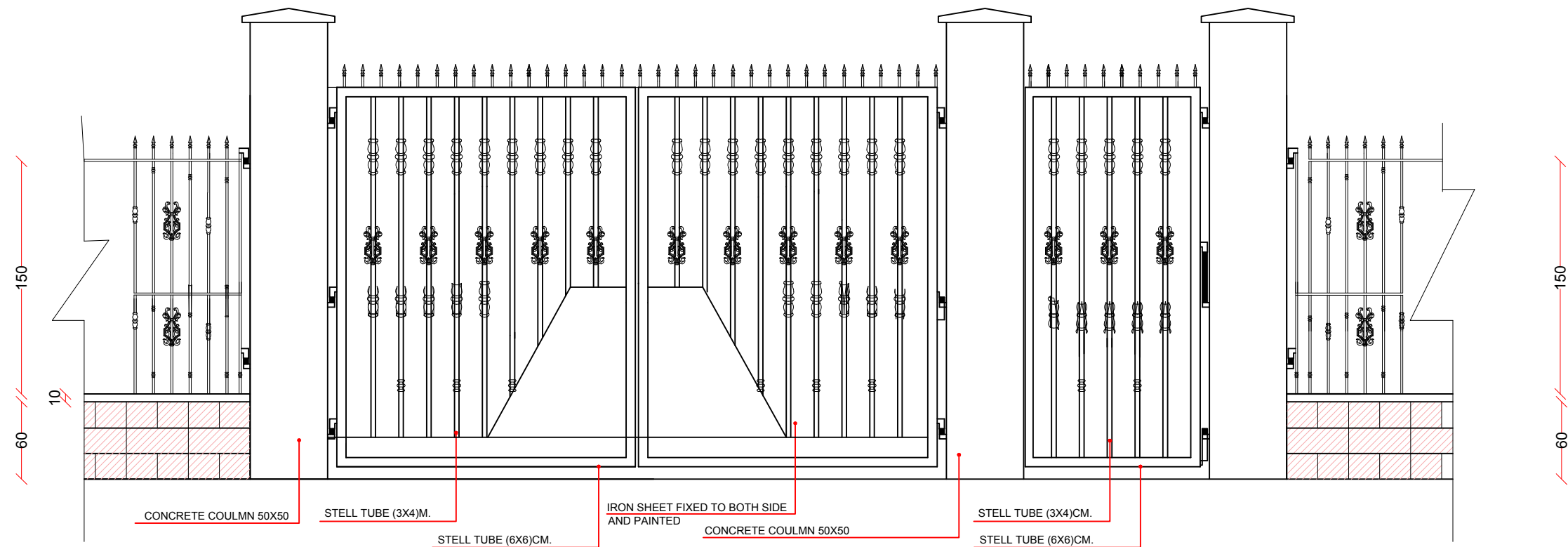
UNHCR Afghanistan
The UN Refugee Agency

COMMUNITY COMPLEX

Project Code	HLD - 000 - 000				
Project Title	New Construction of Boundary wall				
Drawing Title	Plan & Sections of wall				
Project Location	Lashkargah City				


Drawn By:	Designed By:	Checked By:	Reveiw By:	Approved By:	Sheet No:
Name	Eng.Amir M.	Eng.Amir M.	Eng.Amir M.		00 of 00
Sign					Scales:
Date					1:100

Front Elevation of Main & Small Steel gates and Boundary wall



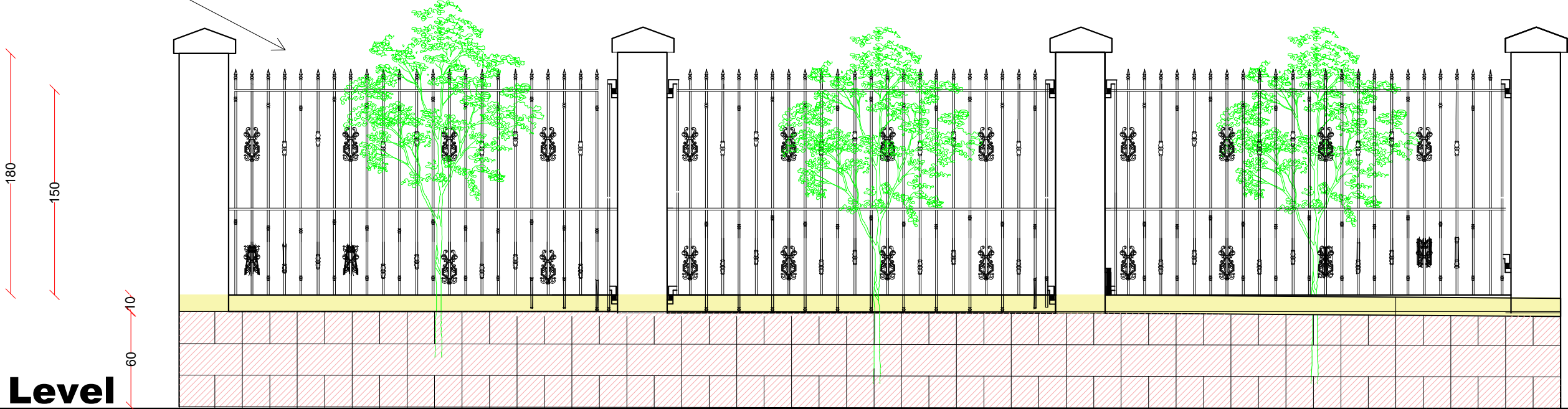
Note:

- 1-All dimension are in centimeters .
- 2-PCC shall be (1:2:4).
- 3-Mortar for stone masonry shall be (1:4).
- 4-Mortar for stone masonry shall be (1:3).
- 5-RCC shall be (1:1,5:3).
- 6-All steel bars should be not eroded or lubricated and has to be clean.
- 7-All steel bars should be Class(A1) $R_a = 2100 \text{ Kg/cm}^2$.
- 8-The curing must be not less than (28) days.

 UNHCR Afghanistan <small>The UN Refugee Agency</small>					
COMMUNITY COMPLEX					
Project Code	HLD - 000 - 000				
Project Title	New Construction of Boundary wall				
Drawing Title	Front Preview				
Project Location	Lashkargah City				
Drawn By:	Designed By:	Checked By:	Reveiw By:	Approved By:	Sheet No:
Name Eng.Amir M.	Eng.Amir M.	Eng.Amir M.			00 of 00
Sign					Scales:
Date					1:100

FRONT ELEVATION OF BOUNDARY WALL TYPE#1

Net wall Details :
1.5X1.5in/4x4 cm Profile thickness=2mm □



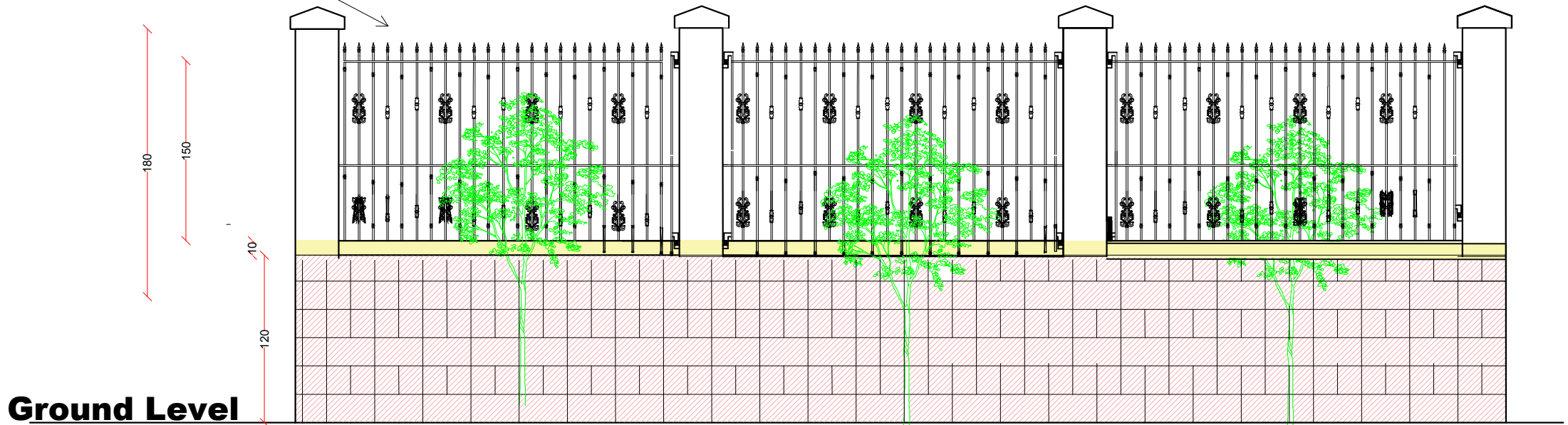
Ground Level

- Note:**
- 1-All dimension are in centimeters .
 - 2-PCC shall be (1:2:4).
 - 3-Mortar for stone masonry shall be (1:4).
 - 4-Mortar for stone masonry shall be (1:3).
 - 5-RCC shall be (1:1,5:3).
 - 6-All steel bars should be not eroded or lubricated and has to be clean.
 - 7-All steel bars should be Class(A1) $R_a = 2100 \text{ Kg/cm}^2$.
 - 8-The curing must be not less than (28) days.

<div><div> UNHCR <small>The UN Refugee Agency</small></div><div>Afghanistan</div></div> <div>COMMUNITY COMPLEX</div>					
Project Code	HLD - 000 - 000				
Project Title	New Construction of Boundary wall				
Drawing Title	Front Preview				
Project Location	Lashkargha City				
Drawn By:	Designed By:	Checked By:	Reveiw By:	Approved By:	Sheet No:
Name Eng Esmatullah	Eng.Amir M.				00 of 00
Sign					Scales:
Date					1:100


FRONT ELEVATION OF BOUNDARY WALL TYPE#2

Net wall Details :
1.5X1.5in/4x4 cm Profile thickness=2mm □



Note:

- 1-All dimension are in centimeters .
- 2-PCC shall be (1:2:4).
- 5-RCC shall be (1:1,5:3).
- 6-All steel bars should be not eroded or lubricated and has to be clean.
- 7-All steel bars should be Class(A1) Ra= 2100 Kg/cm² .
- 8-The curing must be not less than (28) days.

<div><div> UNHCR</div><div>United Nations High Commissioner for Refugees</div><div>Afghanistan</div></div>					
Project Code	HLD - 000 - 000				
Project Title	New Construction of Boundary wall				
Drawing Title	Front Preview				
Project Location	Lashkargha City				
Drawn By:	Designed By:	Checked By:	Reveiw By:	Approved By:	Sheet No:
Name Eng Esmatullah	Eng.Amir M.				00 of 00
Sign					Scales:
Date					1:100


Deep Well drilling by Compressor/Rotary

The diagram illustrates the construction of a deep well through various soil layers. From top to bottom, the layers are: Clayey silt, Coarse sand, Clay, Silty clay, and Coarse sand and fine gravel. The well casing consists of an 8-inch PVC class D pipe (15 bar) and an 8-inch filter pipe with 1mm slot openings (Class D). A gravel pack (3-6mm fraction size nature or river gravel) is placed around the filter pipe. The well is sealed with a clay seal at the surface. The water level (W.L.) measure point is indicated at the top of the well. The ground level (G.L.) is marked as 0.00. The well diameter is 8 inches, and the overall width of the well opening is 12 inches. The well is capped with a cap.

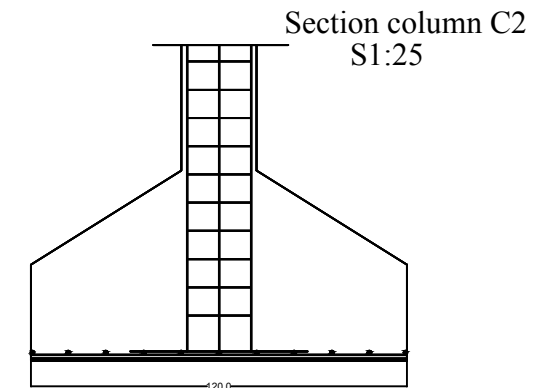
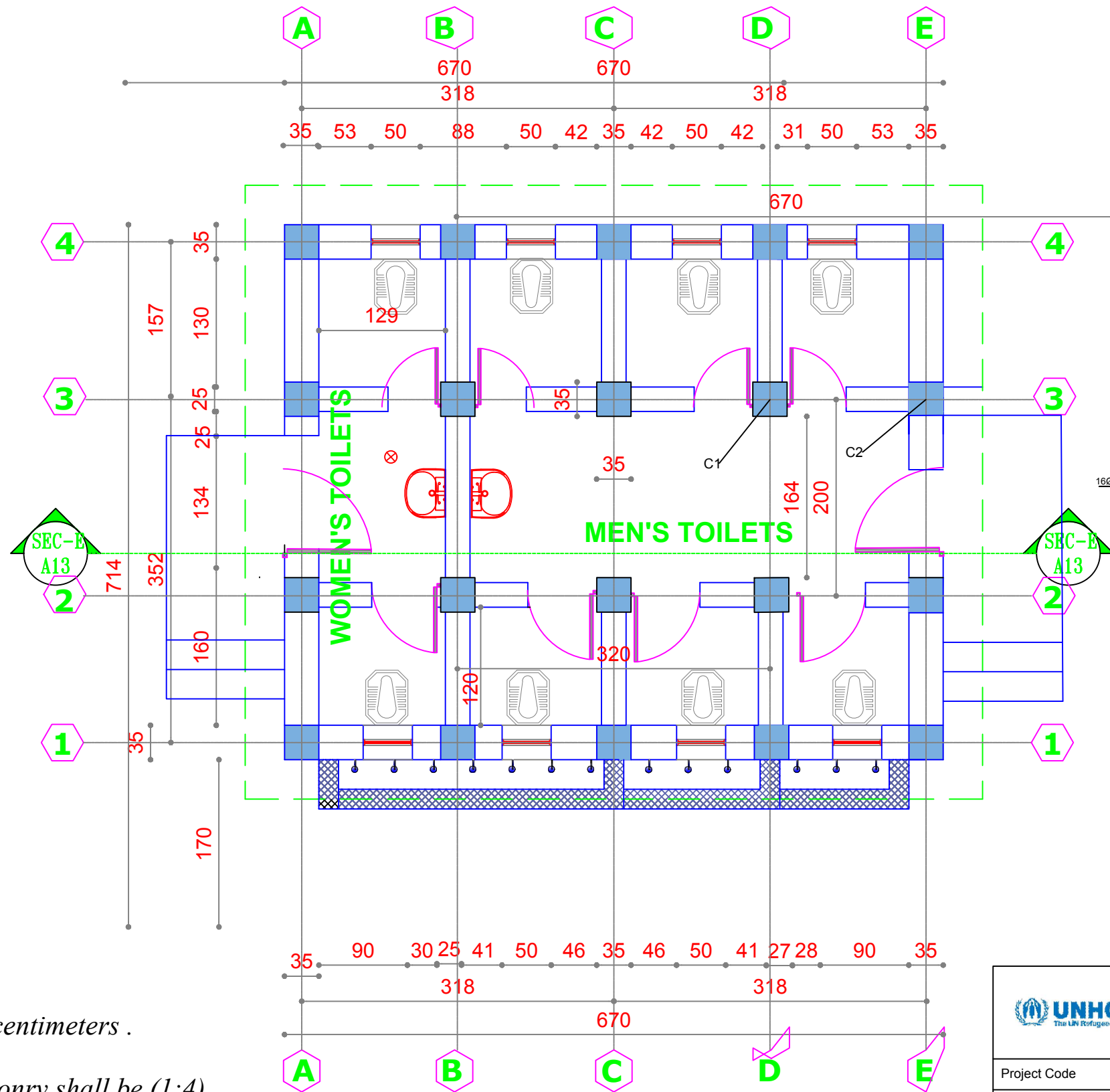
The photographs show the drilling rig in operation, the rig's components, and the completed well site.

UNHCR Afghanistan The UN Refugee Agency						
Project Code		ORG-000-000				
Project Title		Drilling of bore well				
Drawing Title						
Project Location						
Drawn By:	Designed By:	Checked By:	Review By:	Approved By:	Sheet No:	
Name Eng.Amir M.	Name Eng.Amir M.				00 of 00	
Sign					Scales:	
Date					1:100	

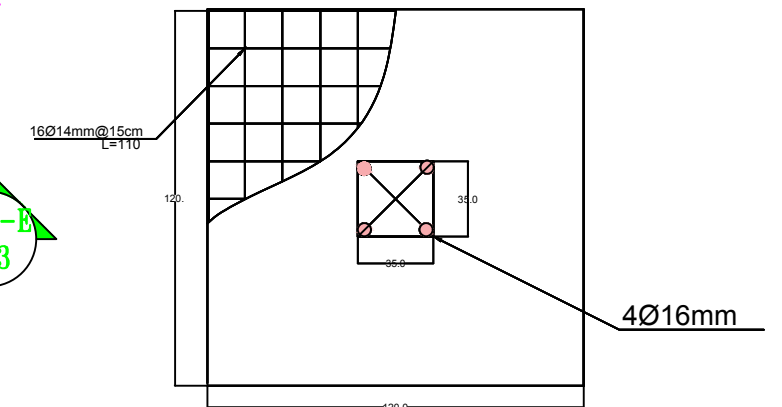


 UNHCR Afghanistan <small>The UN Refugee Agency</small>						
Project Code		ORG-000-000				
Project Title		Drilling of bore well				
Drawing Title						
Project Location						
Drawn By:		Designed By:	Checked By:	Reveiw By:	Approved By:	Sheet No:
Name	Eng.Amir M.	Eng.Amir M.				00 of 00
Sign						Scales:
Date						1:100

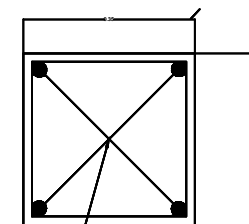
Plan Of Construction Toilets



Plan Foundation



Section of RCC columns 2



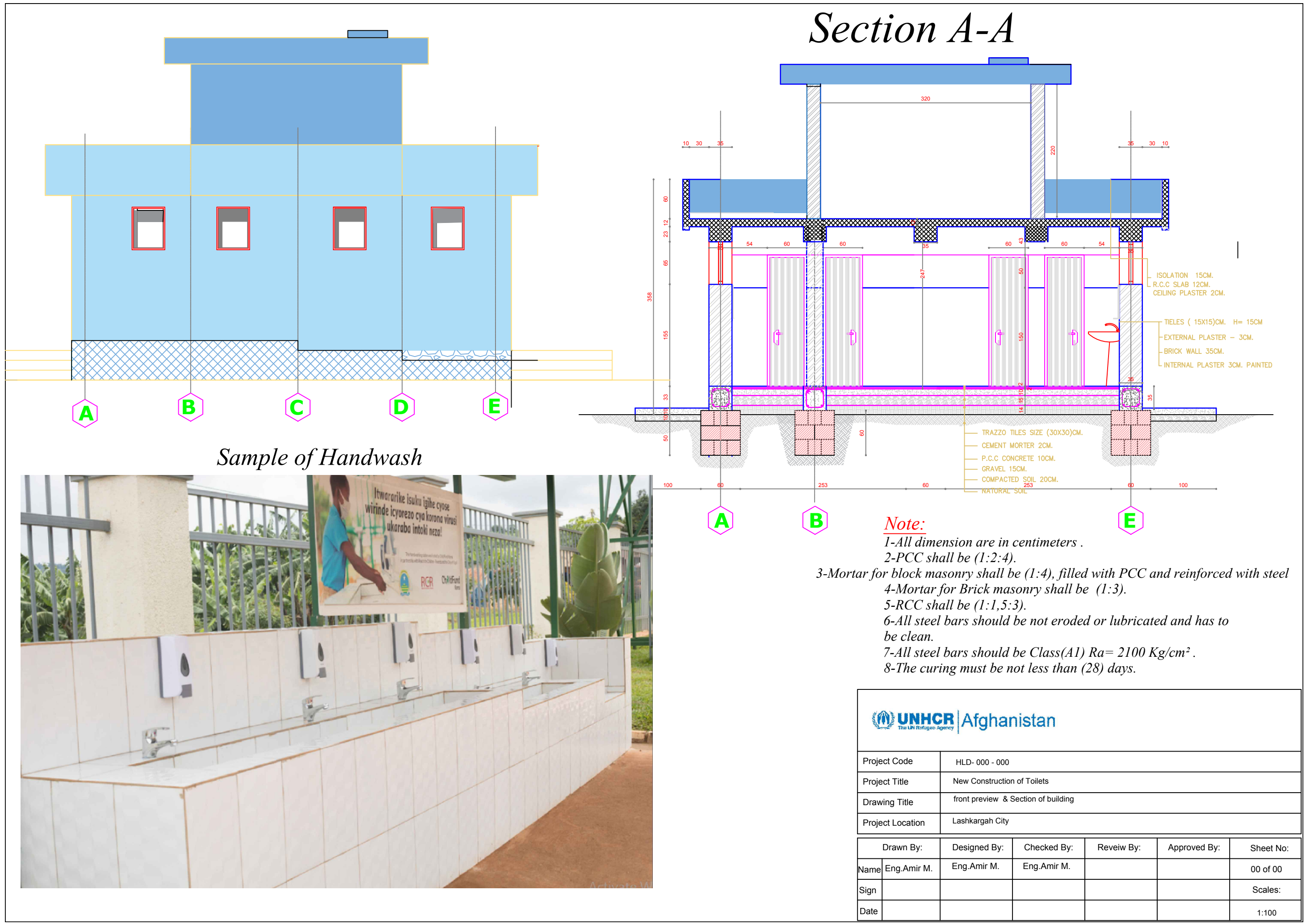
4Ø16mm

Note:

- 1-All dimension are in centimeters .
- 2-PCC shall be (1:2:4).
- 3-Mortar for block masonry shall be (1:4).
- 4-Mortar for Brick masonry shall be (1:3).
- 5-RCC shall be (1:1,5:3).
- 6-All steel bars should be not eroded or lubricated and has to be clean.
- 7-All steel bars should be Class(A1) $R_a = 2100 \text{ Kg/cm}^2$.
- 8-The curing must be not less than (28) days.



Project Code	HLD- 000 - 000				
Project Title	New Construction of Toilets				
Drawing Title	reinforcement bending floor of building				
Project Location	Lashkargah City				
Drawn By:	Designed By:	Checked By:	Reveiw By:	Approved By:	Sheet No:
Name Eng.Amir M.	Eng.Amir M.	Eng.Amir M.			00 of 00
Sign					Scales:
Date					1:100



Sample of Handwash

Section A-A

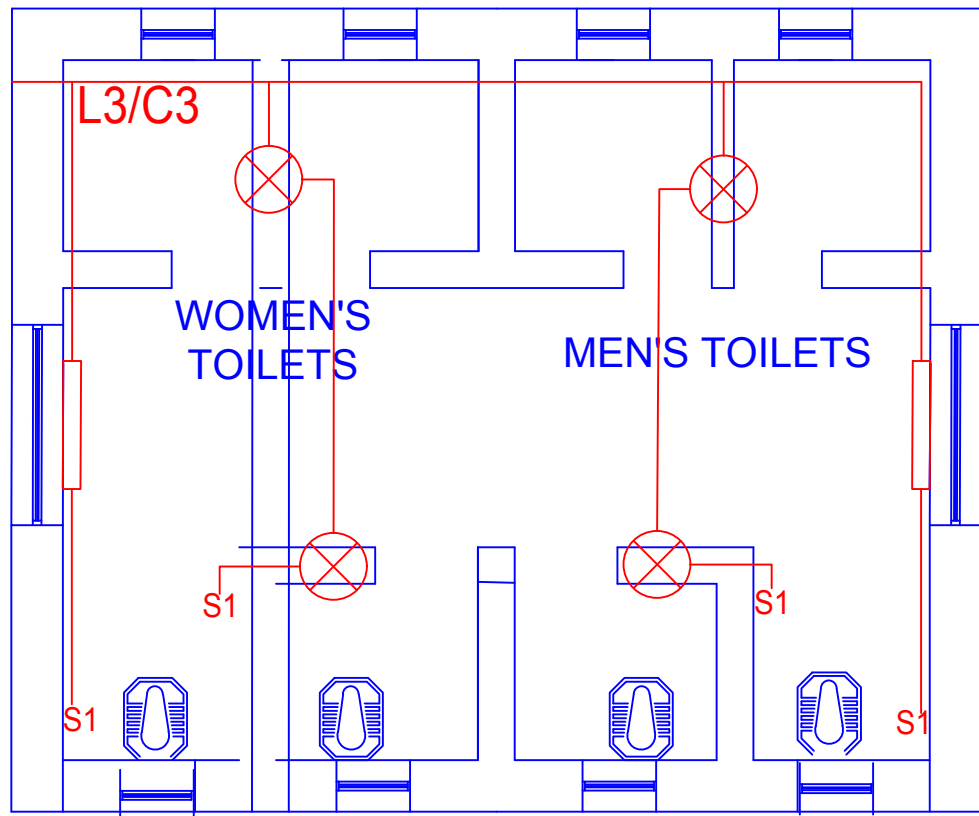
Note:

- 1-All dimension are in centimeters .
- 2-PCC shall be (1:2:4).
- 3-Mortar for block masonry shall be (1:4), filled with PCC and reinforced with steel
- 4-Mortar for Brick masonry shall be (1:3).
- 5-RCC shall be (1:1,5:3).
- 6-All steel bars should be not eroded or lubricated and has to be clean.
- 7-All steel bars should be Class(A1) $R_a = 2100 \text{ Kg/cm}^2$.
- 8-The curing must be not less than (28) days.

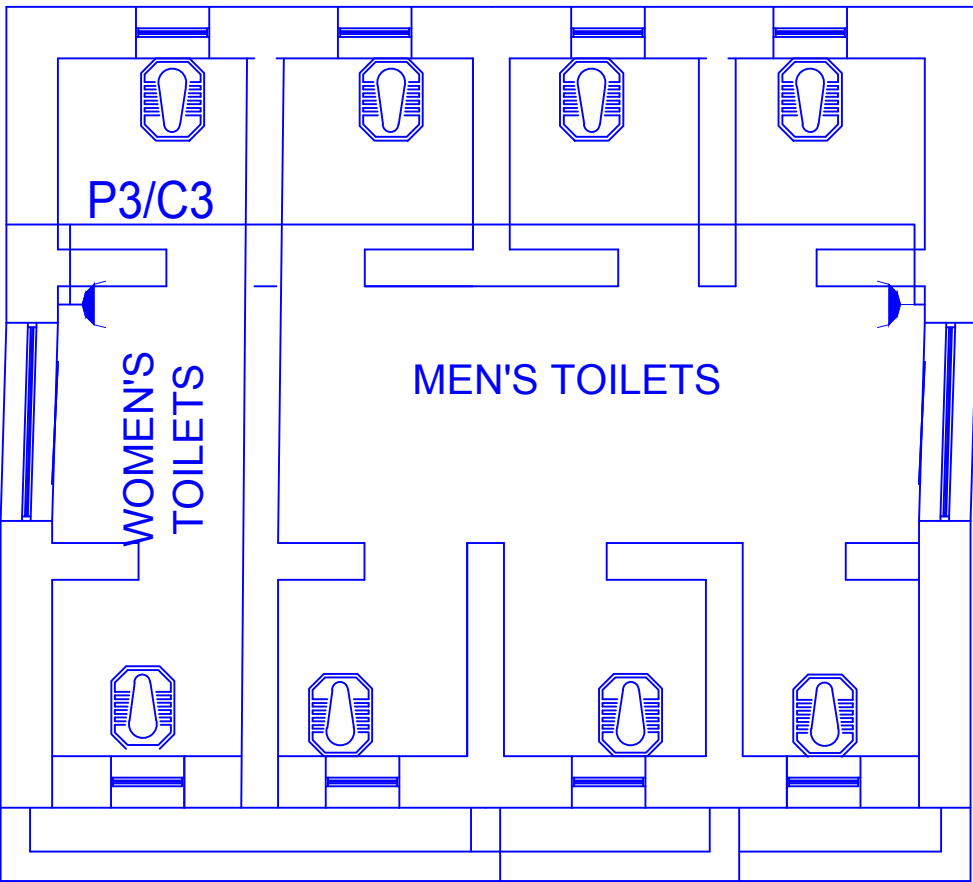
 **UNHCR** | Afghanistan
The UN Refugee Agency

Project Code	HLD- 000 - 000				
Project Title	New Construction of Toilets				
Drawing Title	front preview & Section of building				
Project Location	Lashkargah City				
Drawn By:	Designed By:	Checked By:	Reveiw By:	Approved By:	Sheet No:
Name Eng.Amir M.	Eng.Amir M.	Eng.Amir M.			00 of 00
Sign					Scales:
Date					1:100

Electration Plan Of Toilets

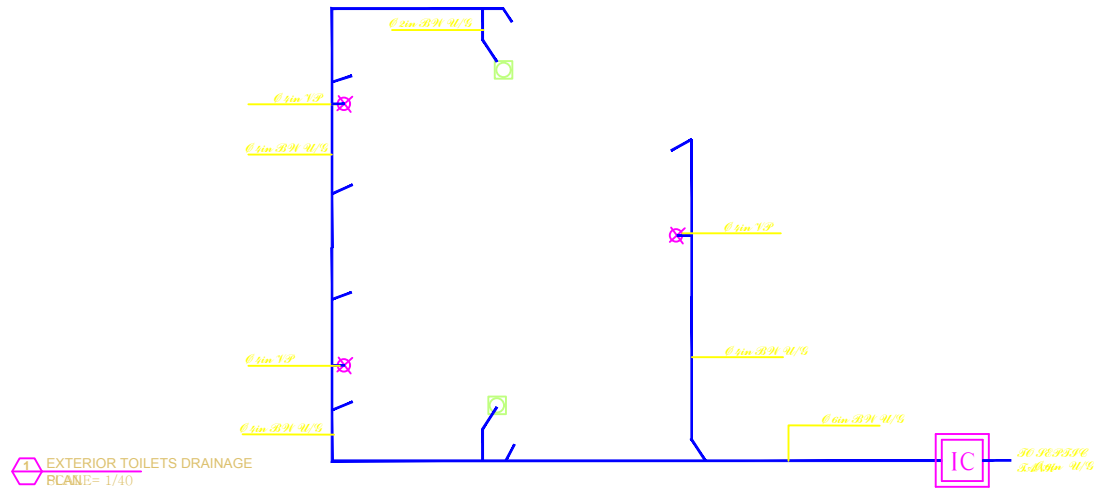



Mecanical Plan Of Toilets



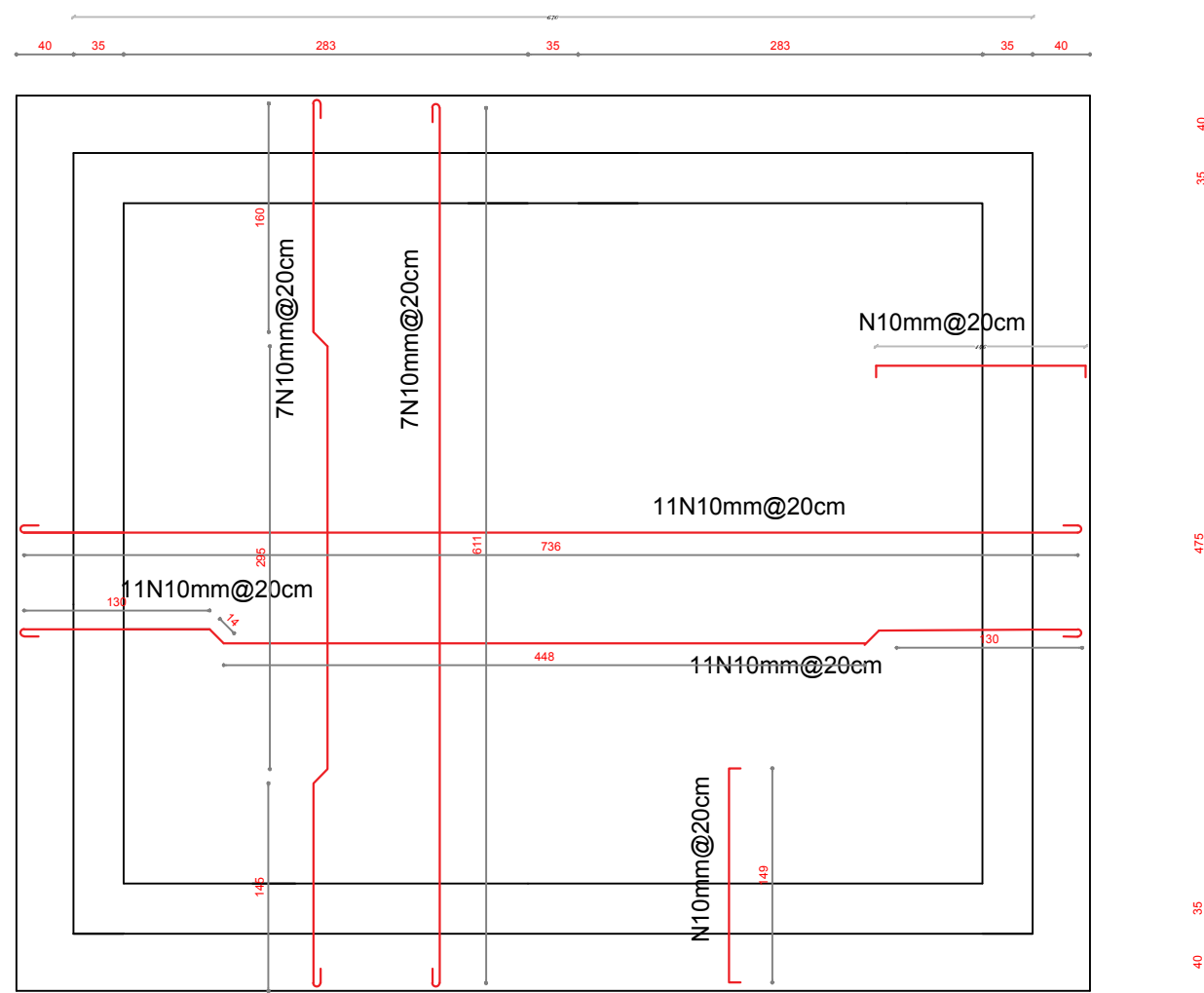
Note:

- 1-All dimension are in centimeters .
- 2-PCC shall be (1:2:4).
- 3-Mortar for block masonry shall be (1:4).
- 4-Mortar for Brick masonry shall be (1:3).
- 5-RCC shall be (1:1,5:3).
- 6-All steel bars should be not eroded or lubricated and has to be clean.
- 7-All steel bars should be Class(A1) $R_a = 2100 \text{ Kg/cm}^2$.
- 8-The curing must be not less than (28) days.

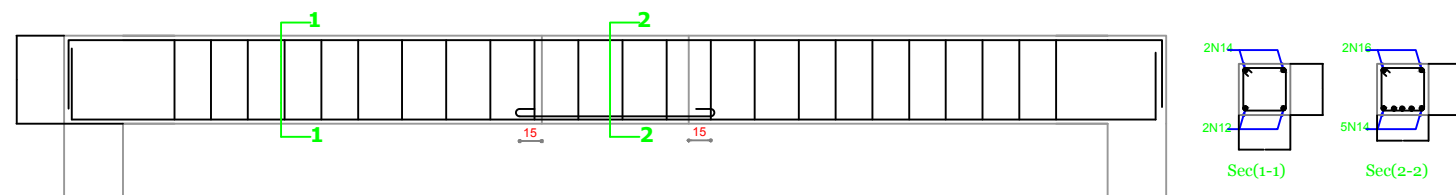


					
Project Code		HLD- 000 - 000			
Project Title		New Construction of Toilets			
Drawing Title		Felicitation & Mechanical plan			
Project Location		Lashkargah City			
Drawn By:		Designed By:	Checked By:	Reveiw By:	Approved By:
Name	Eng.Amir M.	Eng.Amir M.	Eng.Amir M.		
Sign					
Date					
Sheet No:					00 of 00
Scales:					1:100

STEEL BENDING PLAN OF SLAB



TOILAT



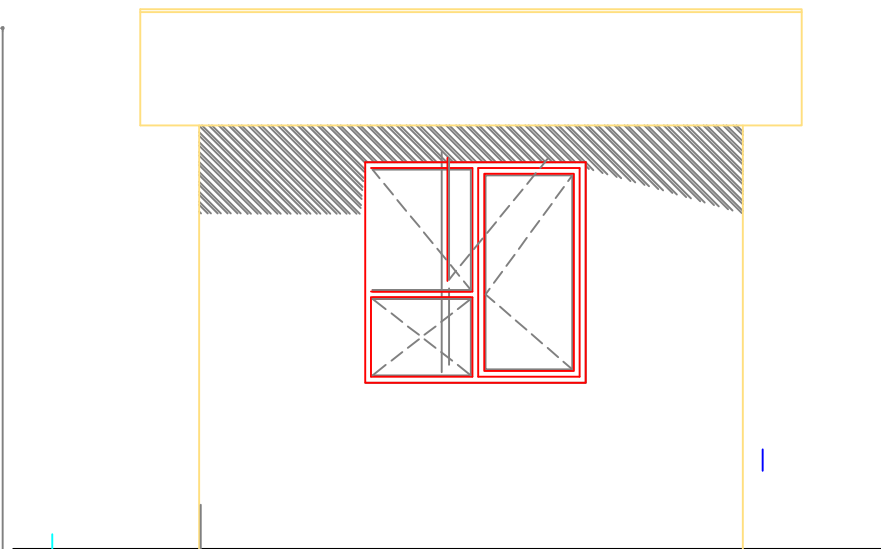
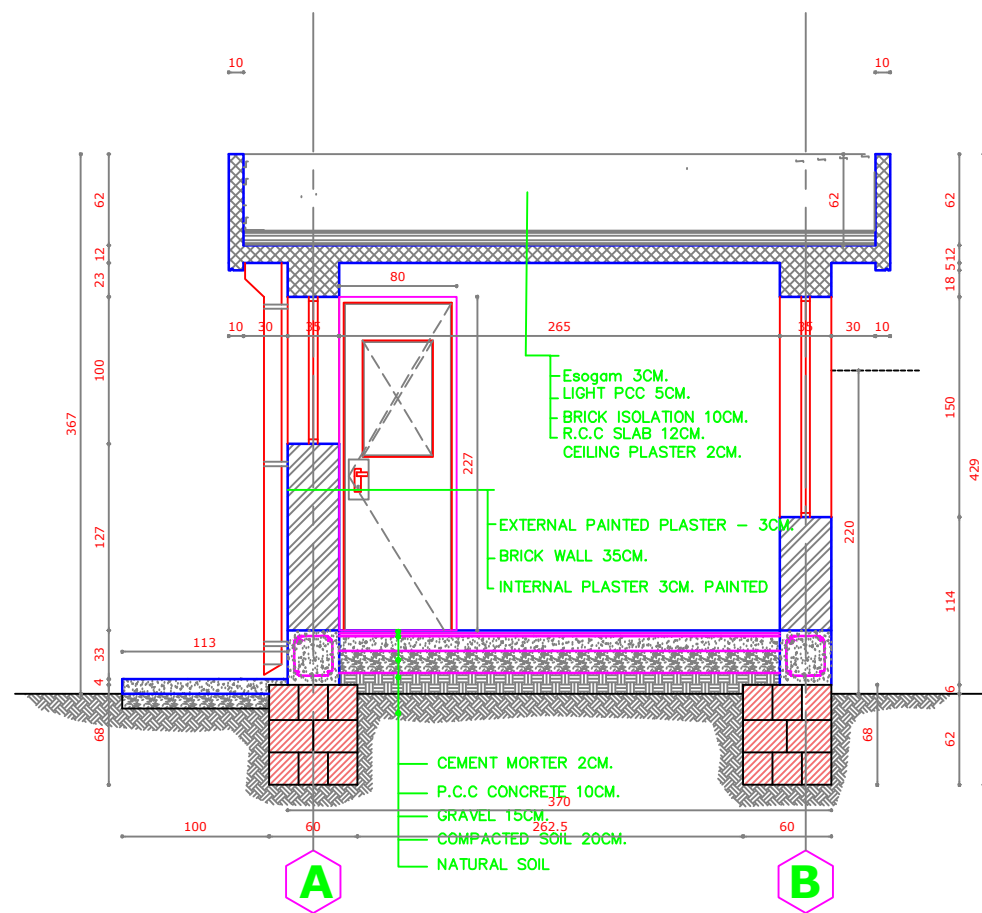
Specification:

- Slab thickness: for slabs is 12 cm
- for parapets is 7.5
- cover : for slab is 2.5 cm ,for beams is 3cm for column is 4cm , for foundation is 6cm
- plaster thickness: for walls shall be 2cm , for ceiling shall be 1cm of cement , lime ,sand at ratio of (1:5:10)
- forms work : shall be straight , perpendicular structural and visual requirement .do not use weak formwork that Causes bulges, gaps or holes in the poured concrete.
Reinforcing bars: reinforcing steel bar for all members shall be deformed bars and shall be minimum yield strength of 2400 kg/sqcm. The steel bars for all members shown in drawing.
- Concert: all reinforcement concerts shall be power machine mixed and machine vibrated. the concert mark shall be in
Foundation is 150kg/sqcm ,for slabs ,beams and ring beams is 200kg /sqcm in (1:1.5:3) & in columns shall be 250kg/sqcm (1:1:2).
- Aggregates: aggregates shall be clean crushed rock, hard, free from coating and dust. the maximum size of aggregate shall bee 20 mm and not exceeding 75 % of the clear spacing between steel reinforcement or between reinforcement and formwork.
- Earthquake coefficients: This is considerate in design
I= 1.5 (for hospital & clinics)
K= 1 (for ordinary frame)
- the dimension of foundation is designed for Bearing capacity =2Ton/m2 if the BC is smaller than this ,the dimenson must be chang according bearing capacity of the structure building)

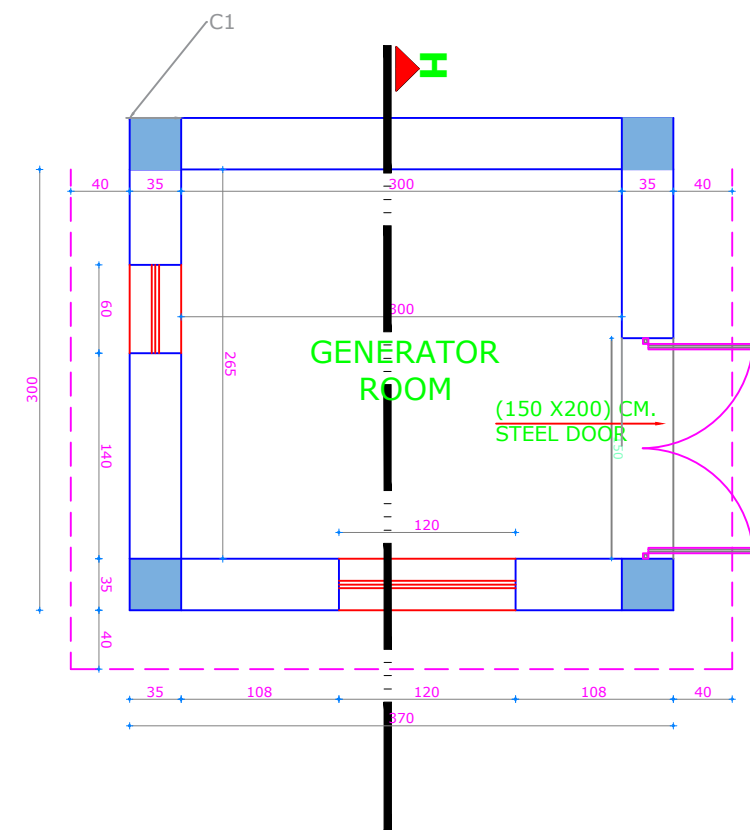
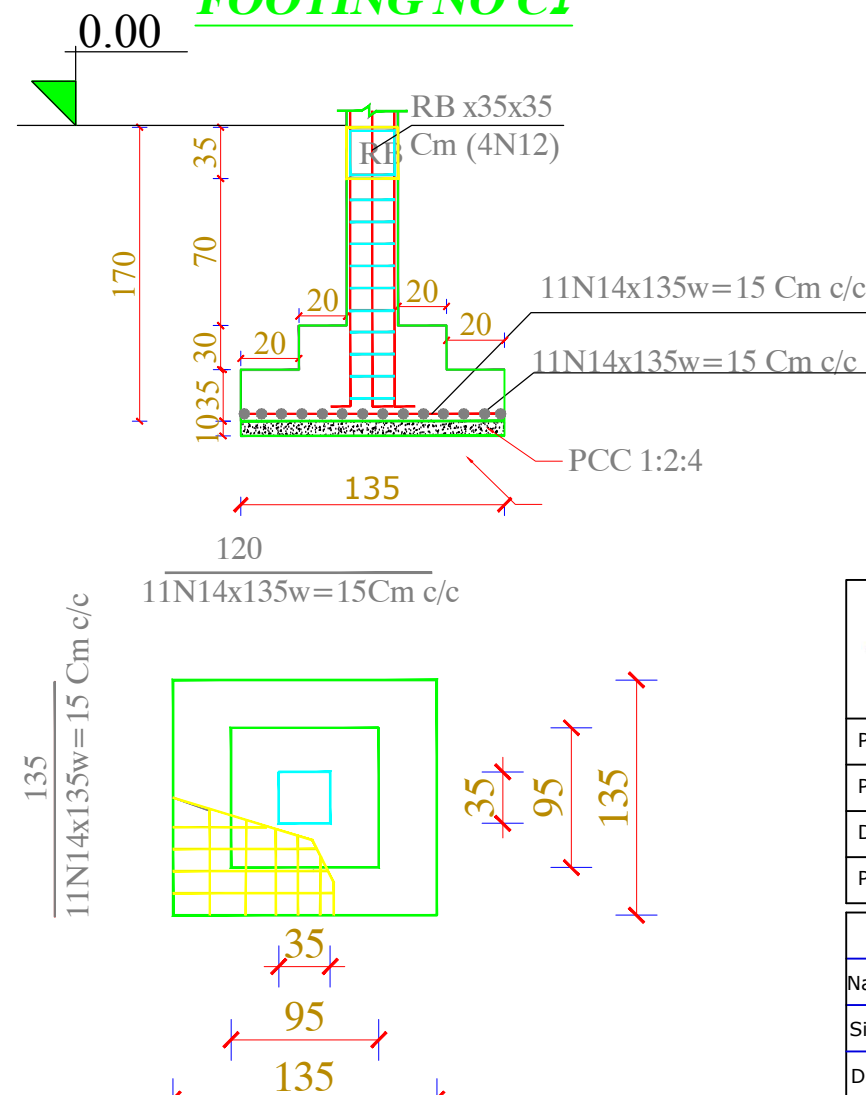


Project Code	HLD- 000 - 000				
Project Title	New Construction of Toilets				
Drawing Title	Reinforcement bending floor of building				
Project Location	Lashkargah City				
Drawn By:	Designed By:	Checked By:	Reveiw By:	Approved By:	Sheet No:
Name	Eng.Amir M.	Eng.Amir M.			00 of 00
Sign					Scales:
Date					1:100

Plan & section of Powerhouse

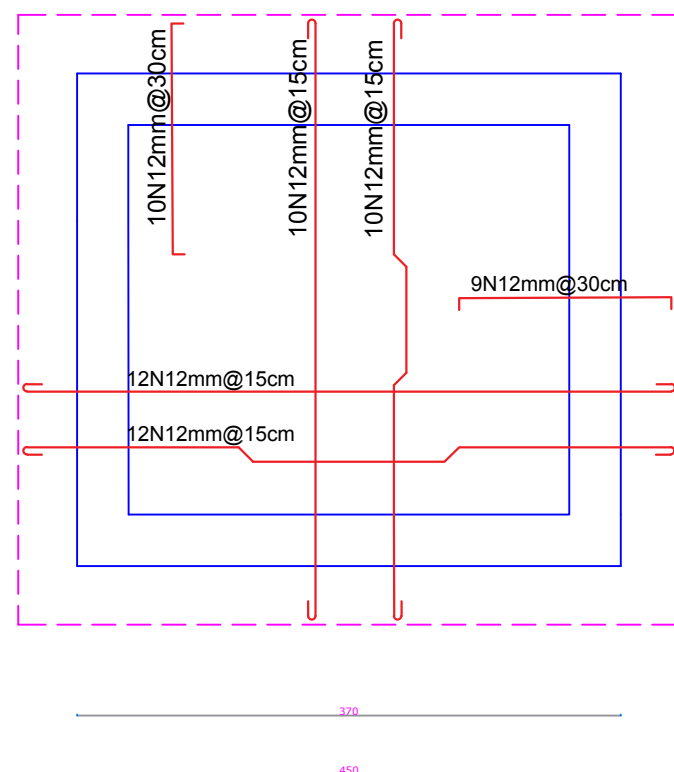


FOOTING NO C1



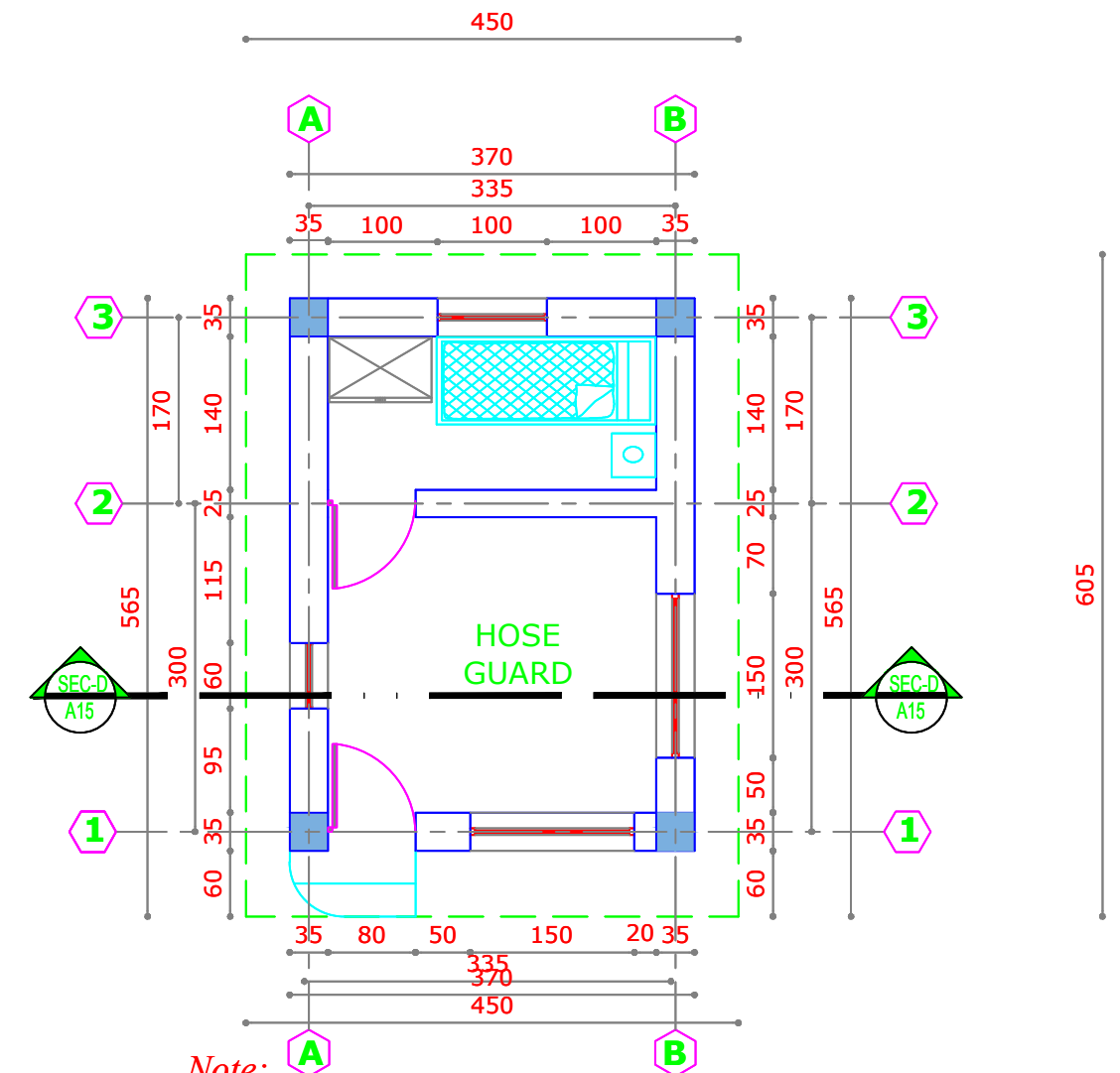
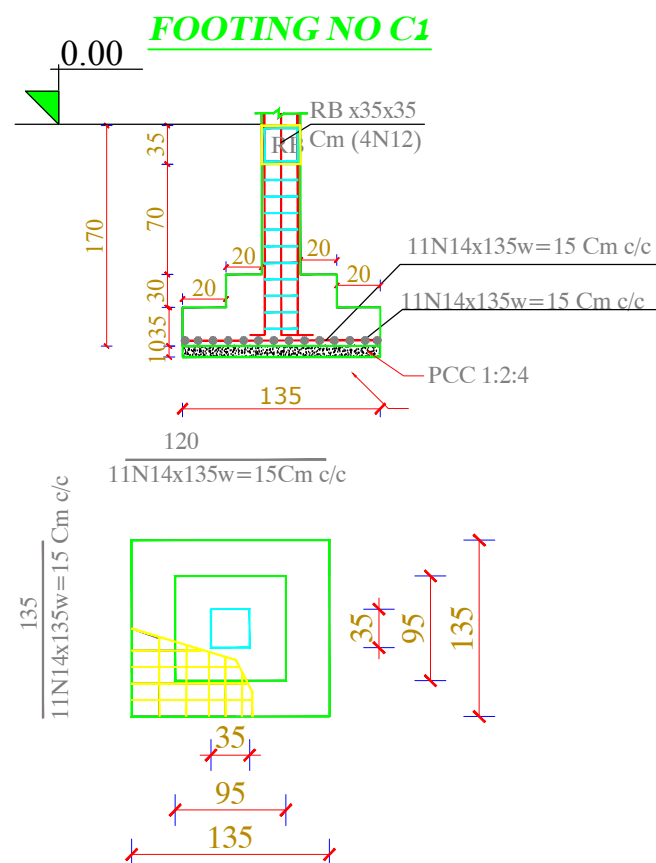
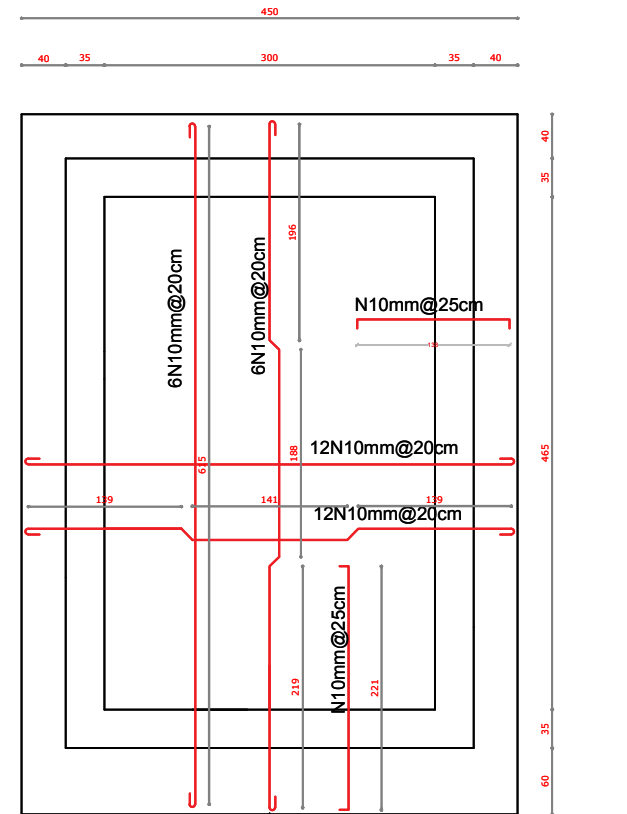
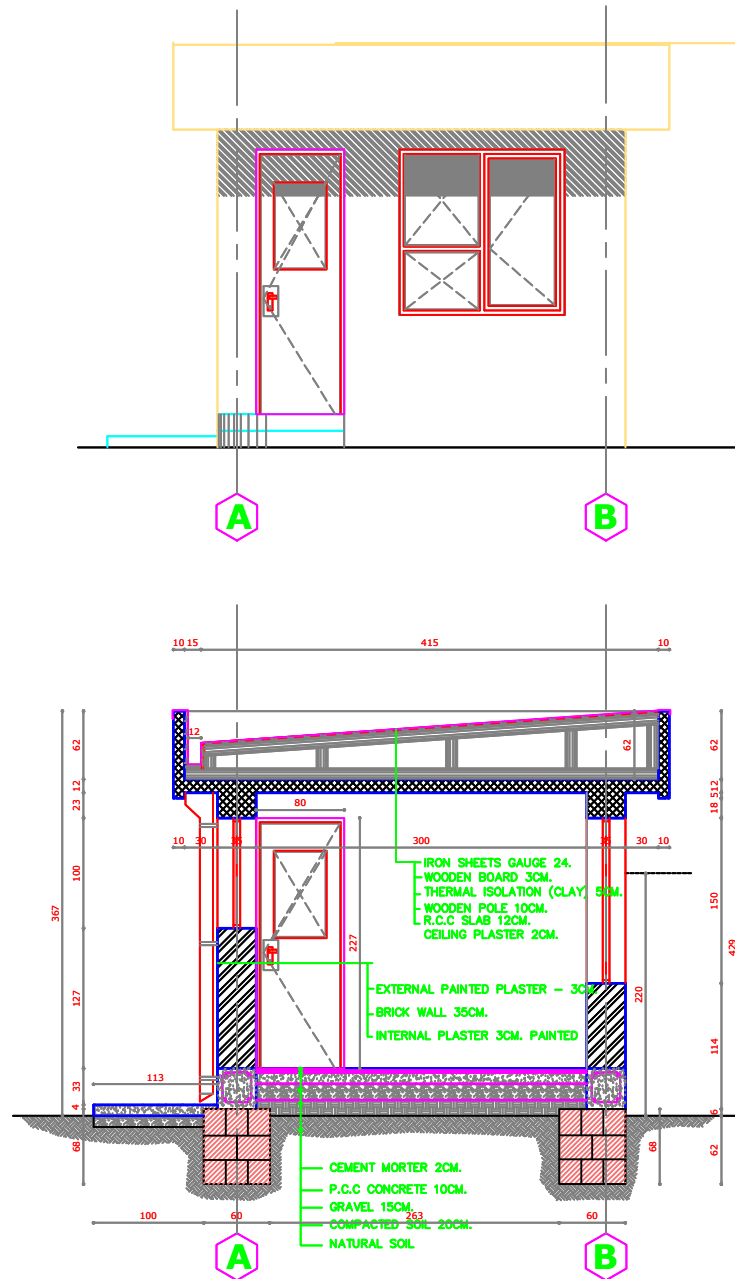
Note:

- 1-All dimension are in centimeters .
- 2-PCC shall be (1:2:4).
- 3-Mortar for block masonry filled with PCC and reinforced with steel shall be (1:4).
- 4-Mortar for brick masonry shall be (1:3).
- 5-RCC shall be (1:1,5:3).
- 6-All steel bars should be not eroded or lubricated and has to be clean.
- 7-All steel bars should be Class(A1) $R_a = 2100 \text{ Kg/cm}^2$.
- 8-The curing must be not less than (28) days.



Project Code	HLD - 000 - 000				
Project Title	New Construction of Generator Room				
Drawing Title	Plan ,Section Front Preview				
Project Location	Lashkargah City				
Drawn By:	Designed By:	Checked By:	Reveiw By:	Approved By:	Sheet No:
Name Eng.Amir M.	Eng.Amir M.				00 of 00
Sign					Scales:
Date					1:100

Plan & section of Guardroom



Note:

1-All dimension are in centimeters .

2-PCC shall be (1:2:4).


3-Mortar for block masonry filled with PCC and reinforced with steel shall be (1:4).

5-RCC shall be (1:1,5:3).

6-All steel bars should be not eroded or lubricated and has to be clean.

7-All steel bars should be Class(AI) $R_a = 2100 \text{ Kg/cm}^2$.

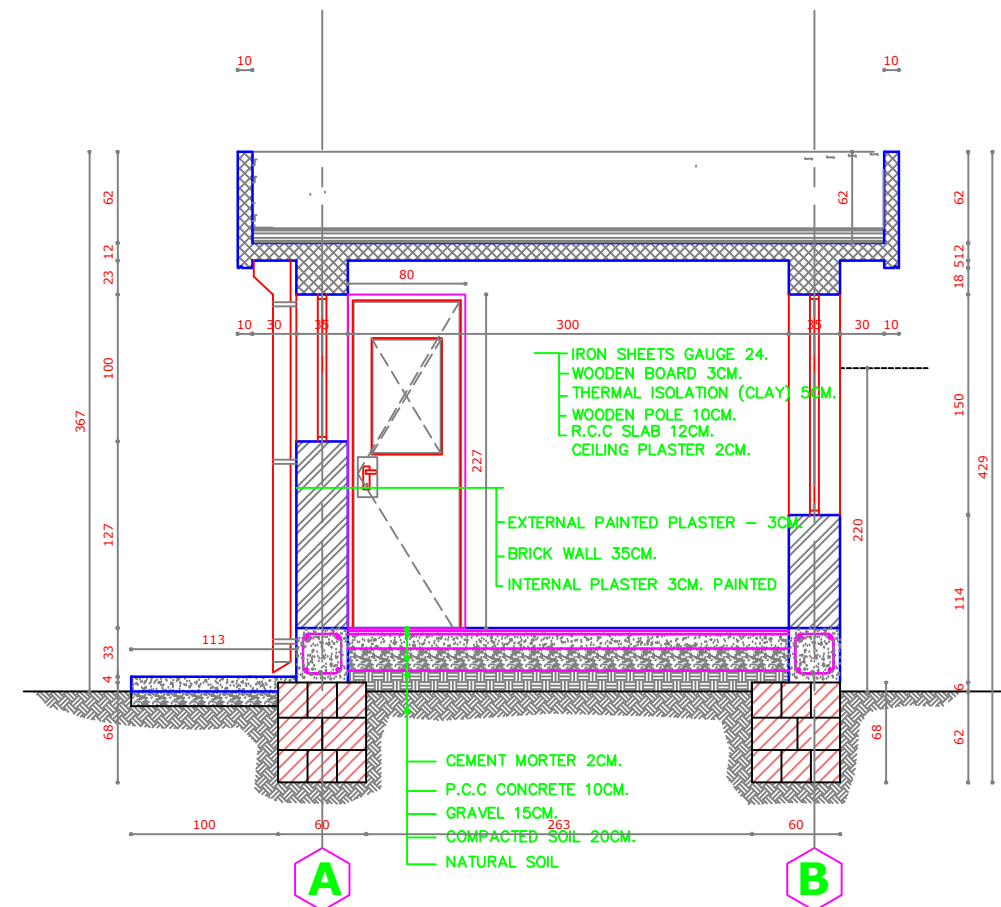
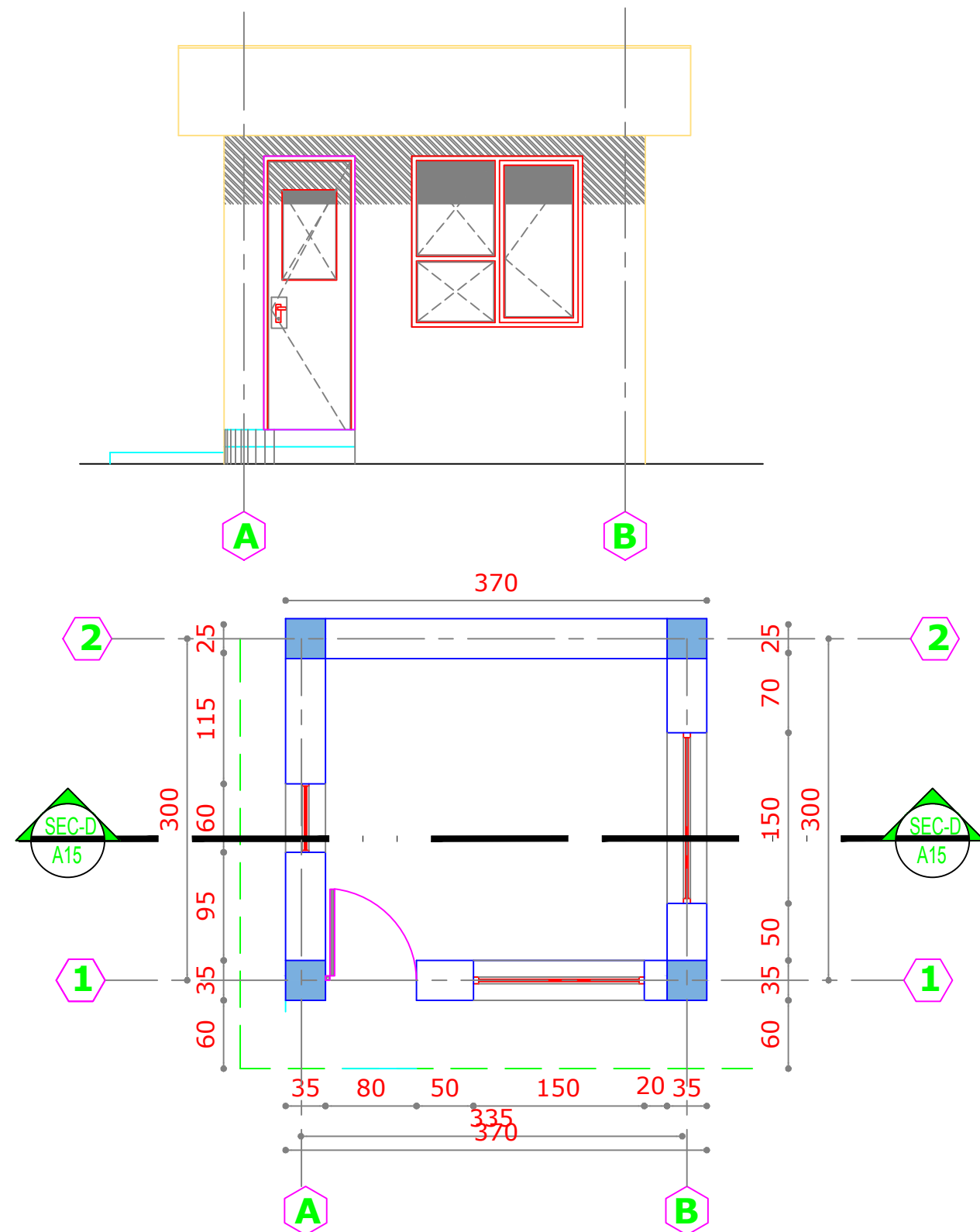
8-The curing must be not less than (28) days.


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Project Code	HLD - 000 - 000				
Project Title	New Construction of Guard Room				
Drawing Title	Plan ,Section Front Preview				
Project Location	Helmand City				

Drawn By:	Designed By:	Checked By:	Reveiw By:	Approved By:	Sheet No:
Name	Eng.Amir M.	Eng.Amir M.	Eng.Amir M.		00 of 00
Sign					Scales:
Date					1:100

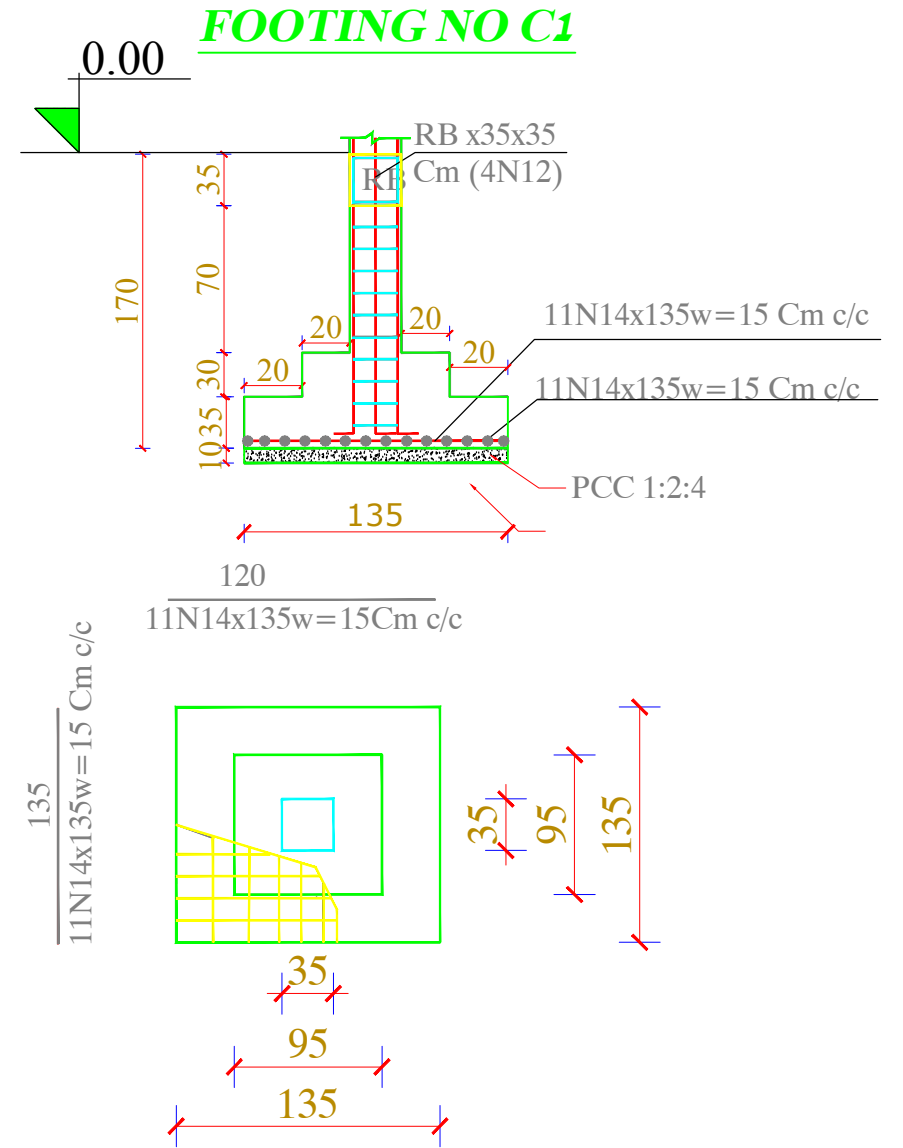
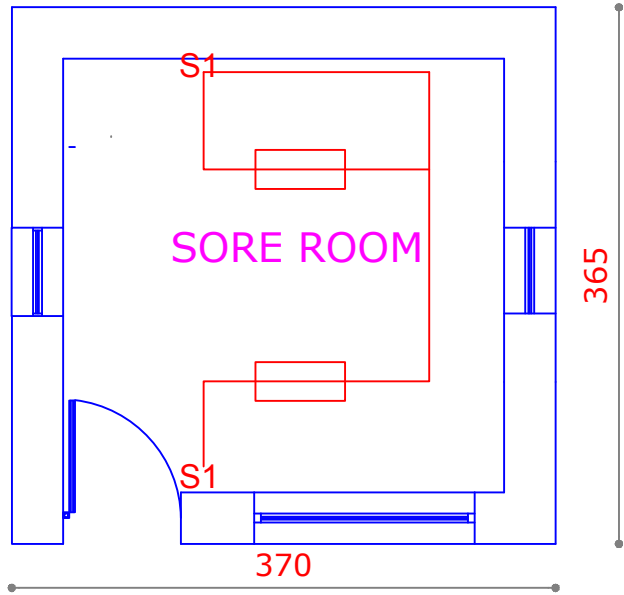
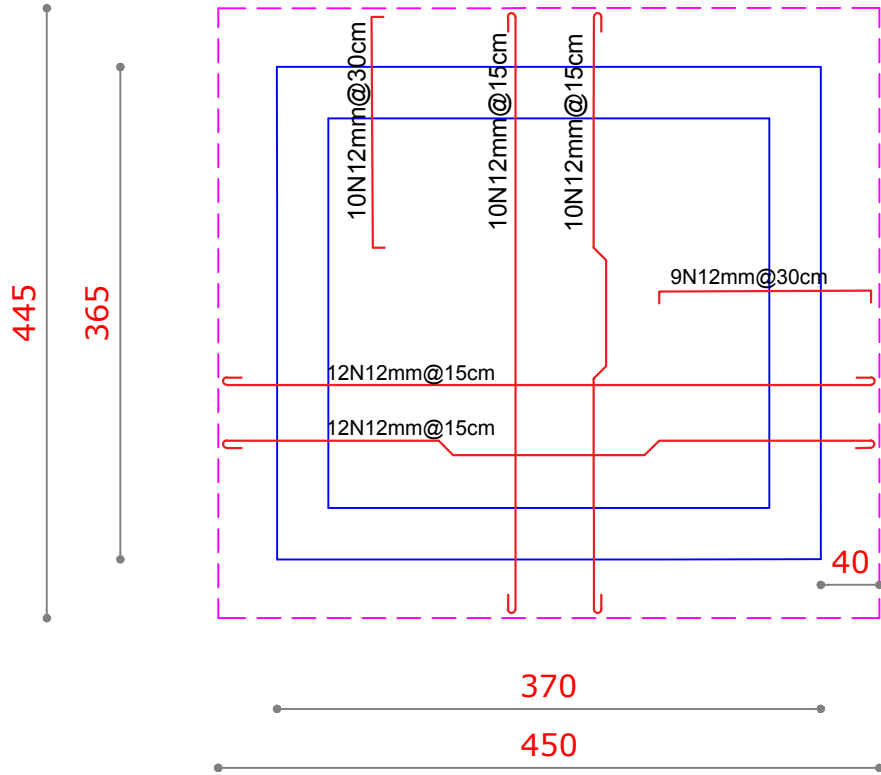
Plan & section of Storeroom




3-Mortar for block masonry filled with PCC and reinforced with steel shall be (1:4).

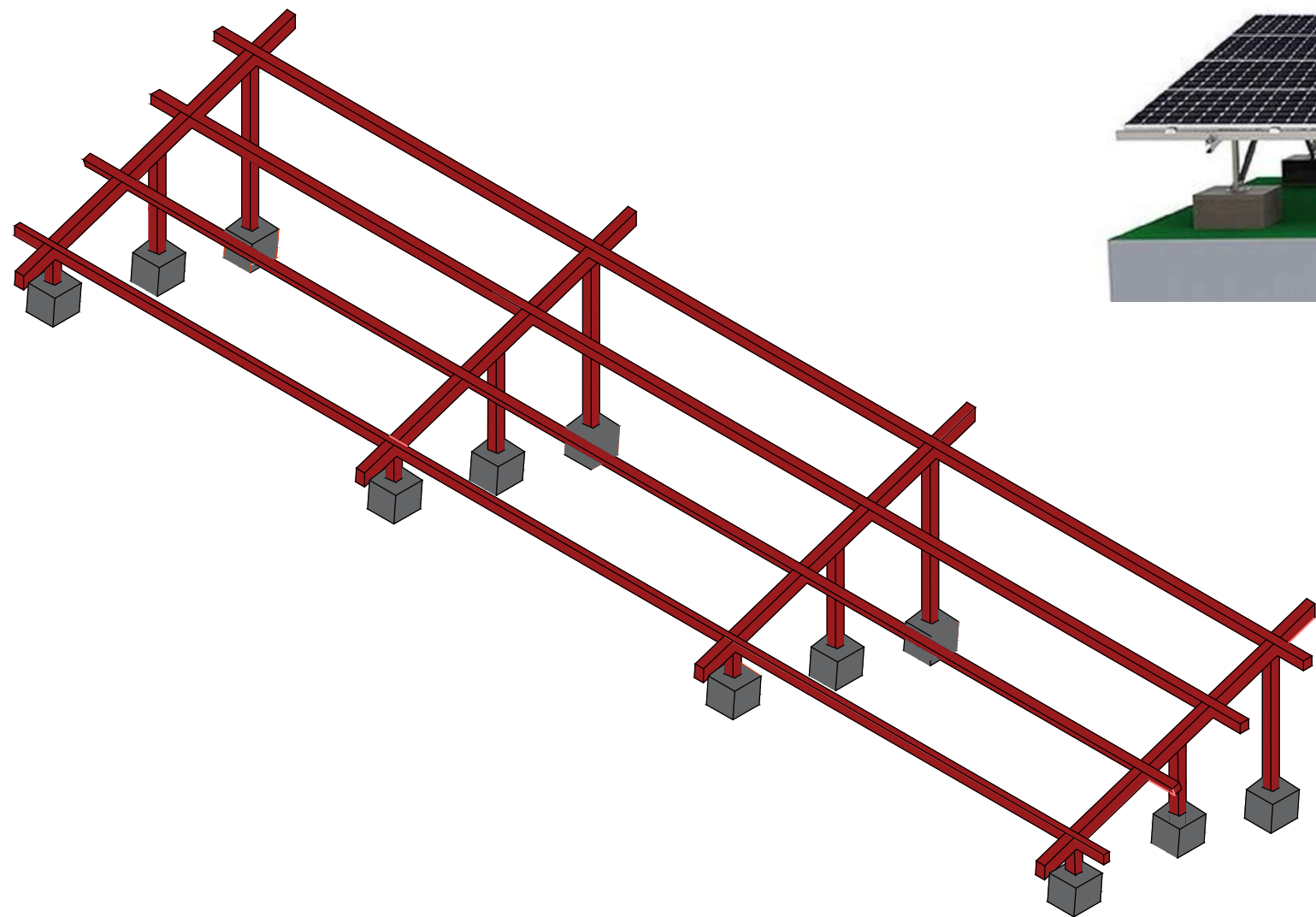
 UNHCR Afghanistan <small>The UN Refugee Agency</small>					
Project Code		HLD - 000 - 000			
Project Title		New Construction of Store Room			
Drawing Title		Plan ,Section Front Preview			
Project Location		Helmand City			
Drawn By:		Designed By:	Checked By:	Reveiwh By:	Approved By:
Name	Eng.Amir M.	Eng.Amir M.	Eng.Amir M.		
Sign					
Date					
Sheet No:					00 of 00
Scales:					1:100

Details for Storeroom



 UNHCR Afghanistan <small>The UN Refugee Agency</small>						
Project Code		HLD - 000 - 000				
Project Title		New Construction of Store Room				
Drawing Title		Plan ,Section Front Preview				
Project Location		Helmand City				
Drawn By:		Designed By:	Checked By:	Reveiw By:	Approved By:	Sheet No:
Name Eng.Amir M.		Eng.Amir M.	Eng.Amir M.			00 of 00
Sign						Scales:
Date						1:100

Solar panel frame design and specification



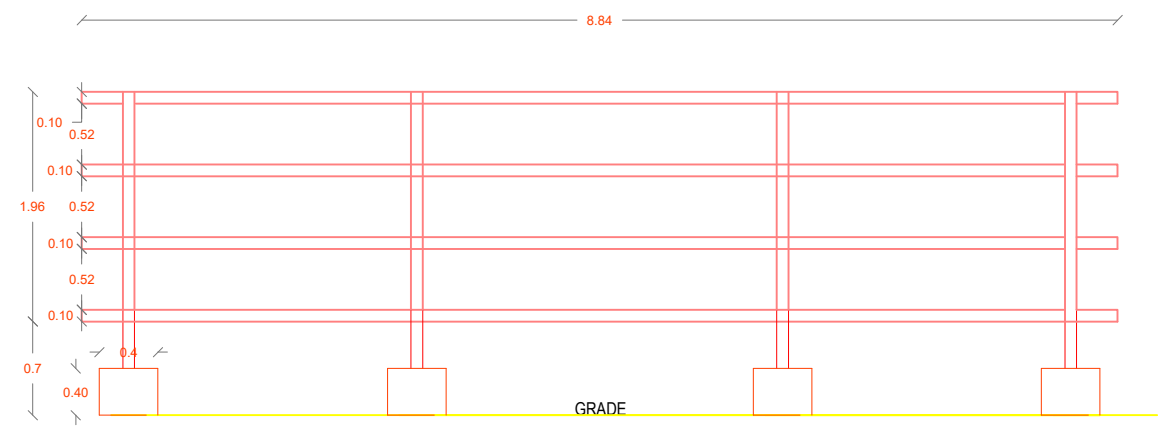
Note:

1-All dimension are in meter .

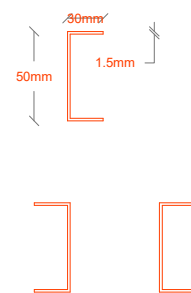


Project code	KDR - 000 - 000		
Project			
Drawing Title	Solar panel frame design and specification		
Project Location	South Region Kandahar Afghanistan		
Drawn By:	Designed By:	Checked By:	
Name	Engr.Esmatullah	Engr.Esmatullah	Engr. Imran danish
Sign			
Date			

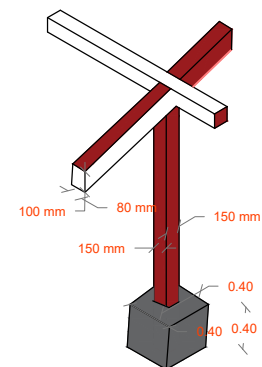
Solar panel frame design and specification



FRONT VIEW



DETAILS of L Ring

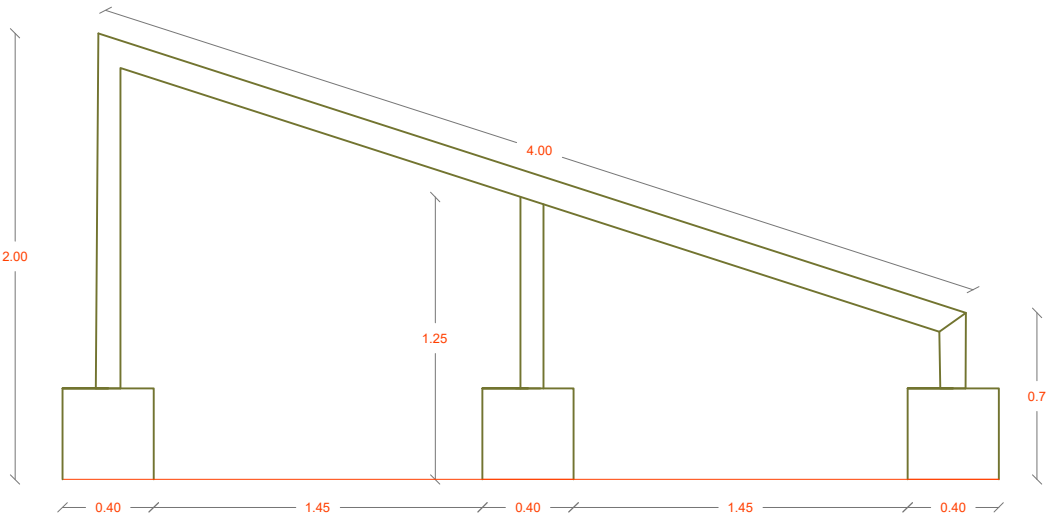


DETAILS of L Ring




SAMPLE IMAGE

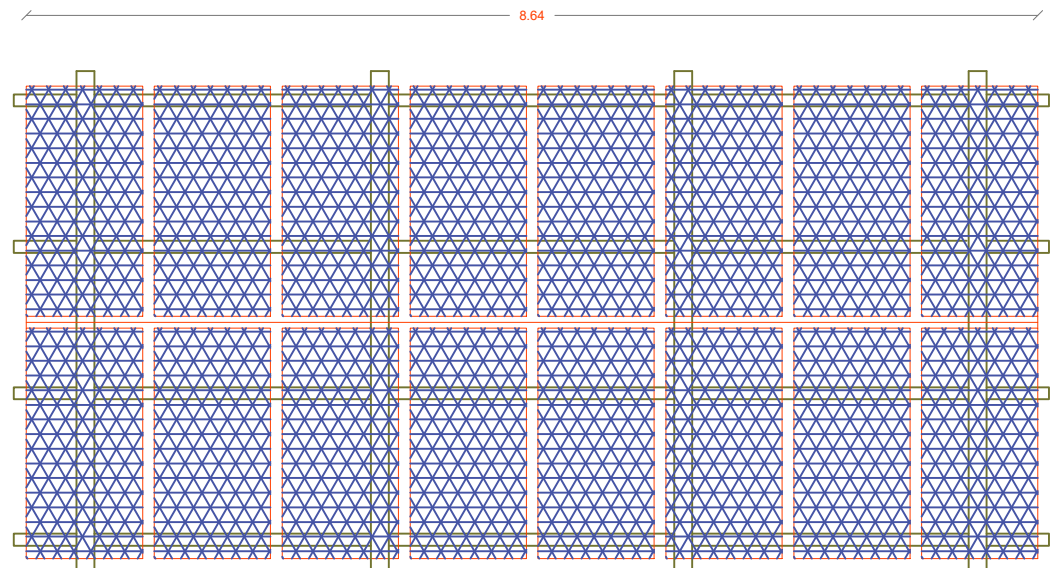
- Note:**
- 1-Steel for frame will be 18 Gouge
 - 2-Solar panels must be netted and bolted in L Ring frames
 - 3-L Ring will be (thickness=1.5mm)
 - 4-Frames must be welded by electricity
 - 5-All dimension are in Meter .



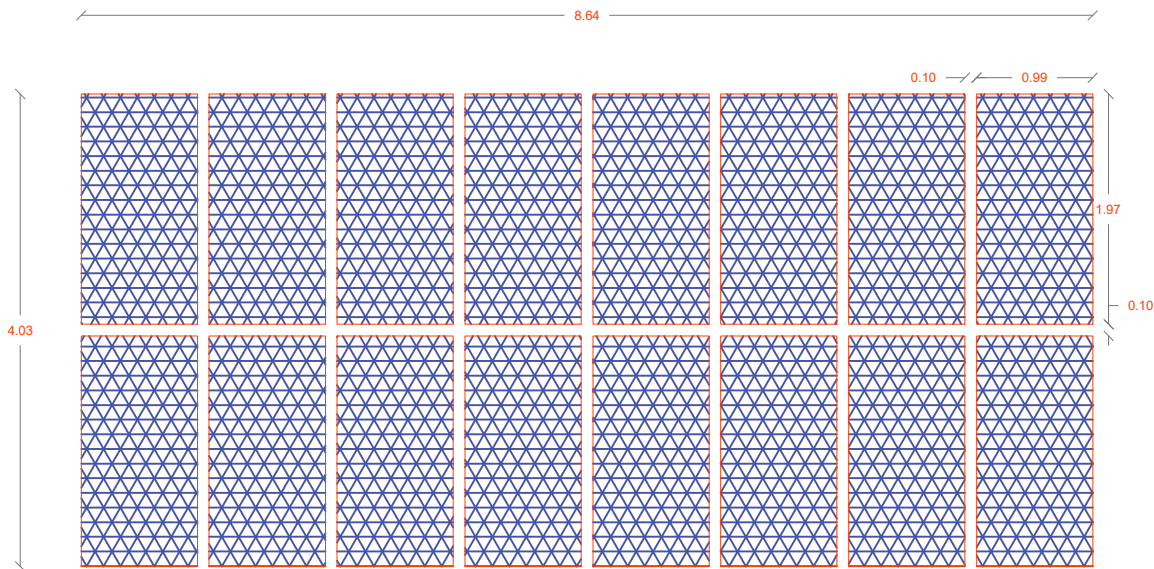
SECTION VIEW

			
Project code	KDR - 000 - 000		
Project			
Drawing Title	Solar panel frame design and specification		
Project Location	South Region Kandahar Afghanistan		
Drawn By:	Designed By:	Checked By:	
Name	Engr.Esmatullah	Engr.Esmatullah	Engr. Imran danish
Sign			
Date			

Solar panel frame design and specification





TOP VIEW

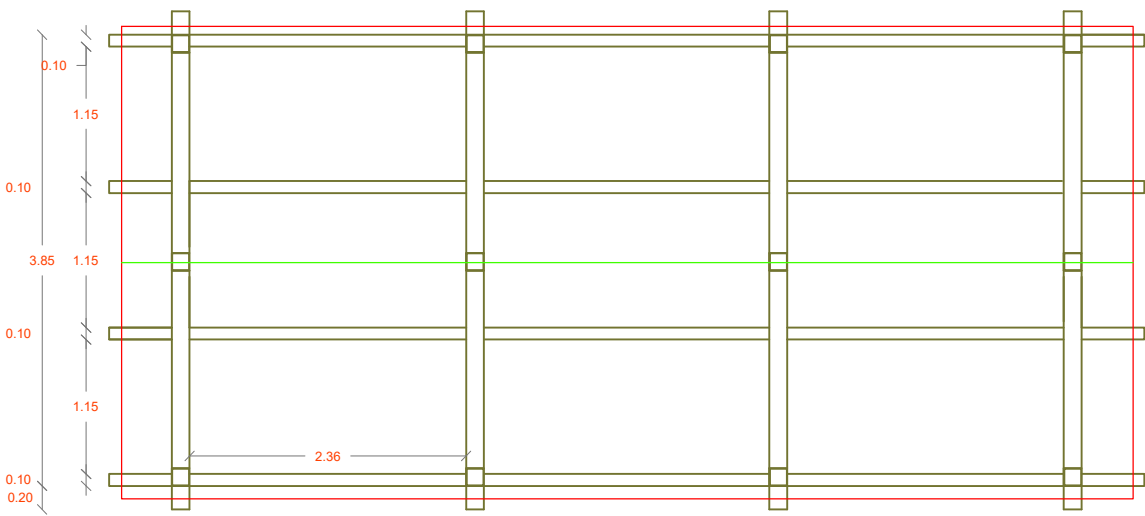


Top VIEW

Note:

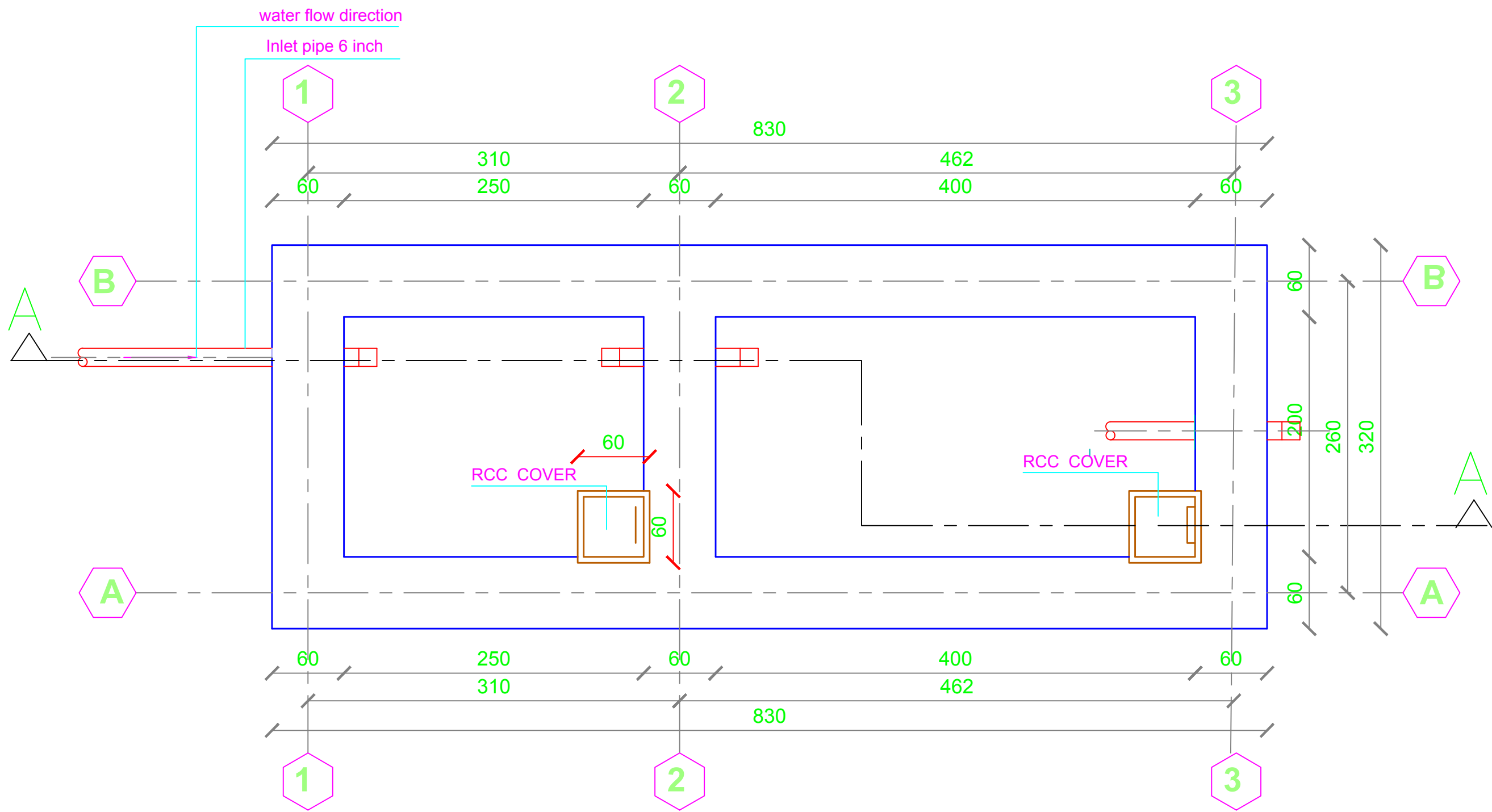
- 1-Steel for frame will be 18 Gouge
- 2-Solar panels must be netted and bolted in L Ring frames
- 3-L Ring will be (thickness=1.5mm)
- 4-Frames must be welded by electricity
- 5-All dimension are in Meter .


 UNHCR The UN Refugee Agency		Afghanistan		 زمن برای زنان افغان ښځې د افغان ښځو لپاره WOMEN FOR AFGHAN WOMEN
Project code		KDR - 000 - 000		
Project				
Drawing Title		Solar panel frame design and specification		
Project Location		South Region Kandahar Afghanistan		
Drawn By:		Designed By:	Checked By:	
ame	Engr.Esmatullah	Engr.Esmatullah	Engr. Imran danish	
gn				
ate				



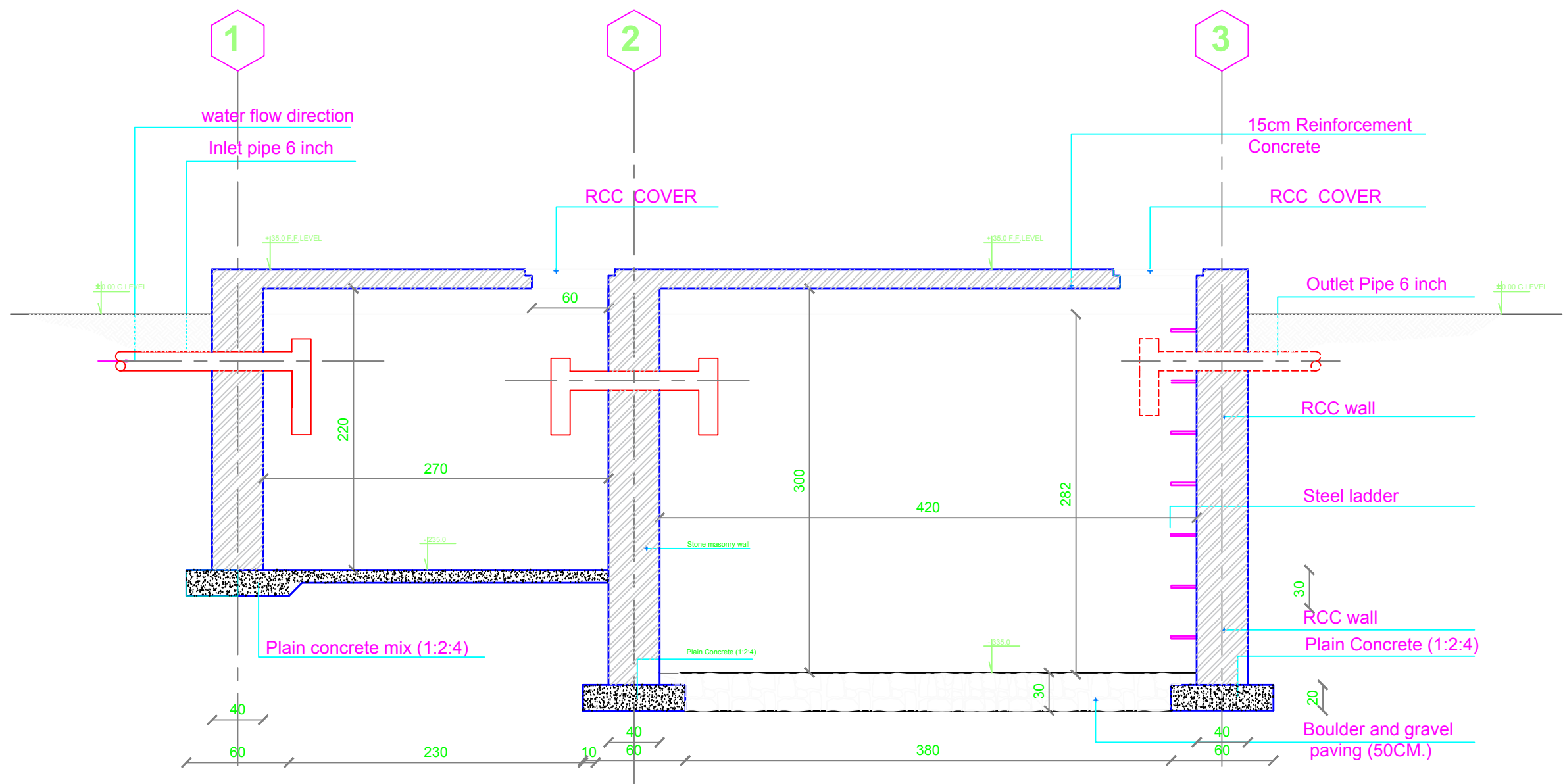
TOP VIEW

PLAN OF SEPTIC TANK



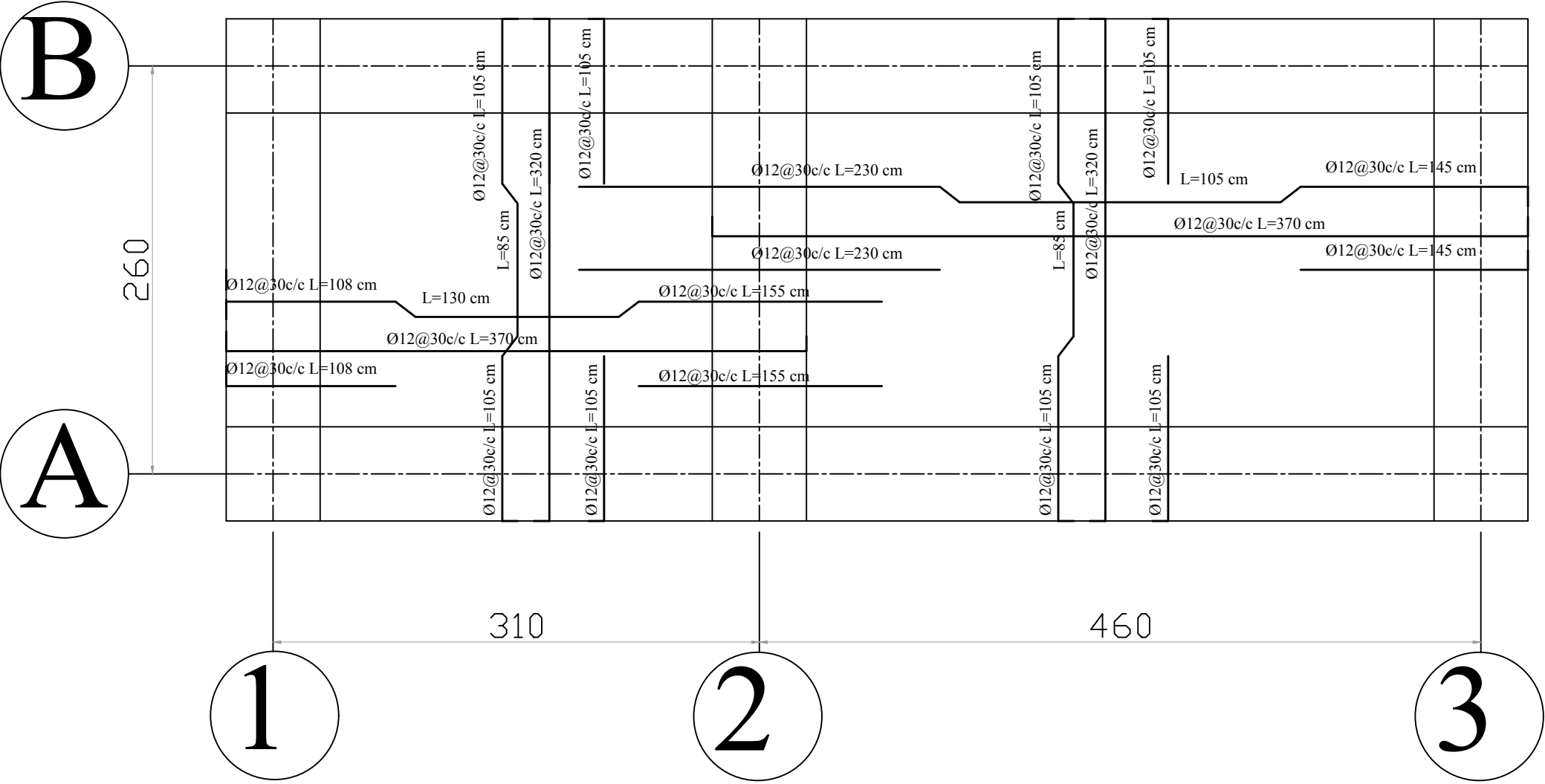
<div> UNHCR Afghanistan</div> <div>The UN Refugee Agency</div>					
Project Code		HED-000-000			
Project Title		New Construction of Septic Tank			
Drawing Title		Plan			
Project Location		Helmand city			
Drawn By:		Designed By:	Checked By:	Reveiw By:	Approved By:
Name	Eng.Amir M.	Eng.Amir M.	Eng.Amir M.		
Sign					
Date					
Sheet No:					00 of 00
Scales:					1:100


SEPTIC TANK SECTION A-A



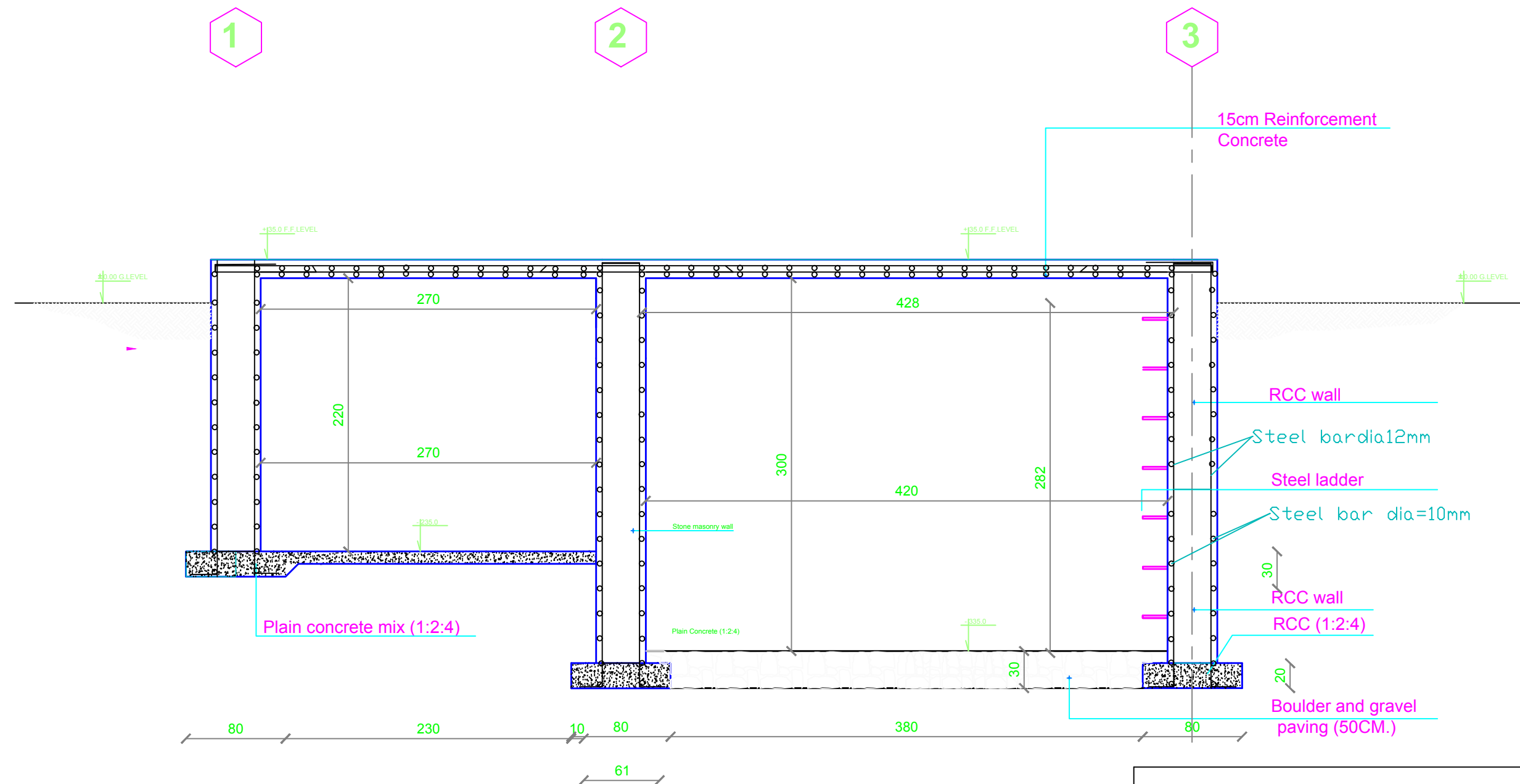
Project Code	KAN-000-000					
Project Title	New Construction of Septic Tank					
Drawing Title	Plan					
Project Location	Helmand city					
Drawn By:	Designed By:	Checked By:	Reveiw By:	Approved By:	Sheet No:	
Name Eng.Amir M.	Eng.Amir M.	Eng.Amir M.			00 of 00	
Sign					Scales:	
Date					1:100	

Bar Bending Schedule Of Septic Tank Slab



<div><div> UNHCR <small>The UN Refugee Agency</small></div><div>Afghanistan</div></div>						
Project Code		HED-000-000				
Project Title		New Construction of Septic Tank				
Drawing Title		Plan				
Project Location		Helmand city				
Drawn By:		Designed By:	Checked By:	Reveiw By:	Approved By:	Sheet No:
Name	Eng.Amir M.	Eng.Amir M.	Eng.Amir M.			00 of 00
Sign						Scales:
						1:100

CROSS SECTION SEPTIC TANK A-A

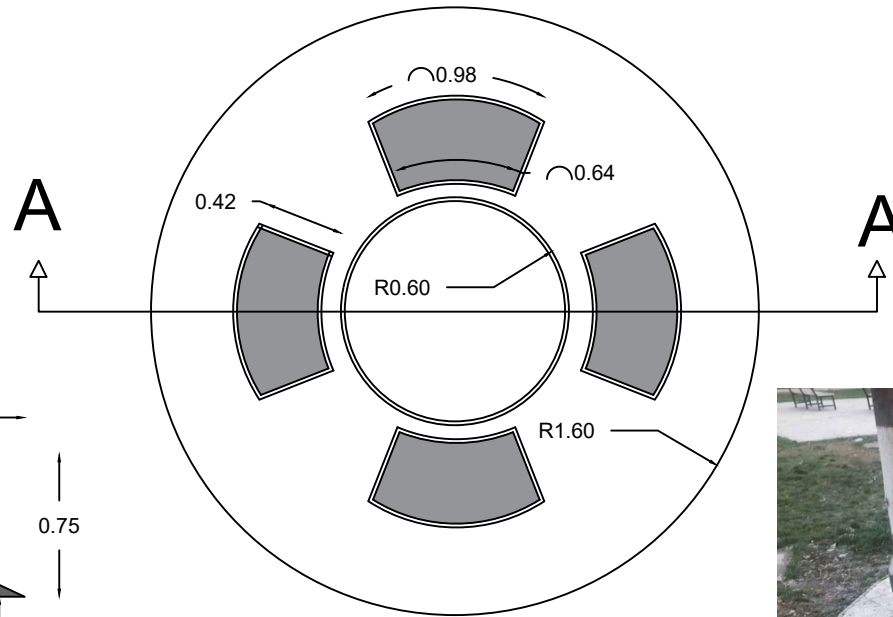
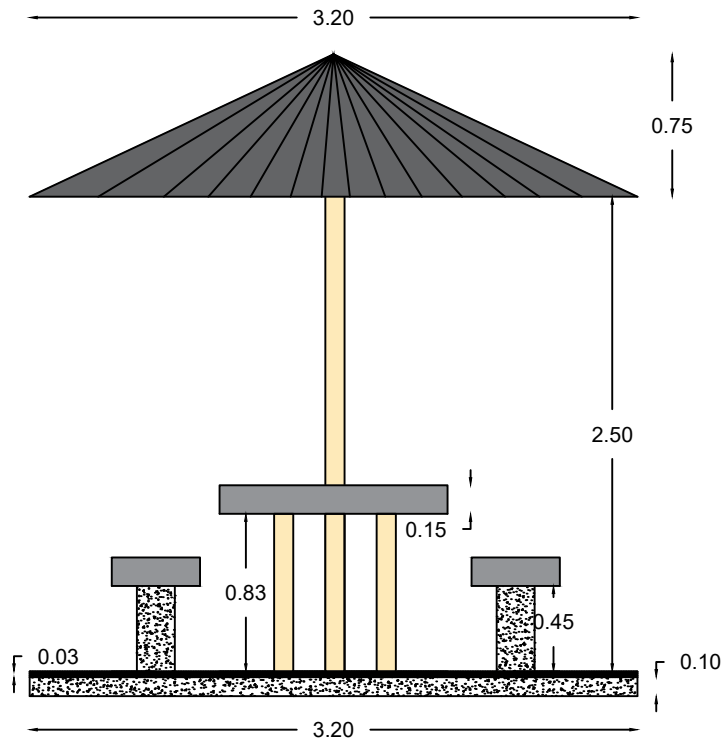


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Project Code	KAN-000-000				
Project Title	New Construction of Septic Tank				
Drawing Title	Plan				
Project Location	Helmand city				
Drawn By:	Designed By:	Checked By:	Reveiw By:	Approved By:	Sheet No:
Name Eng.Amir M.	Eng.Amir M.	Eng.Amir M.			00 of 00
Sign					
Date					

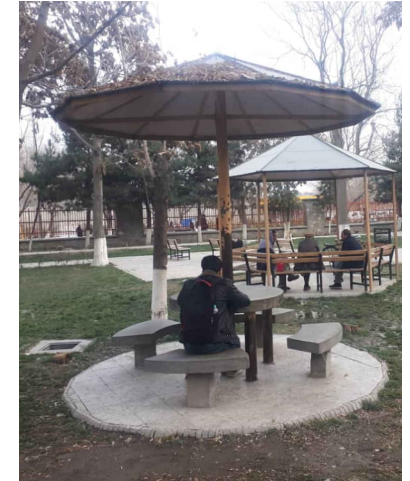
Plan of Circular umbrella chairs



Section A-A



Note:

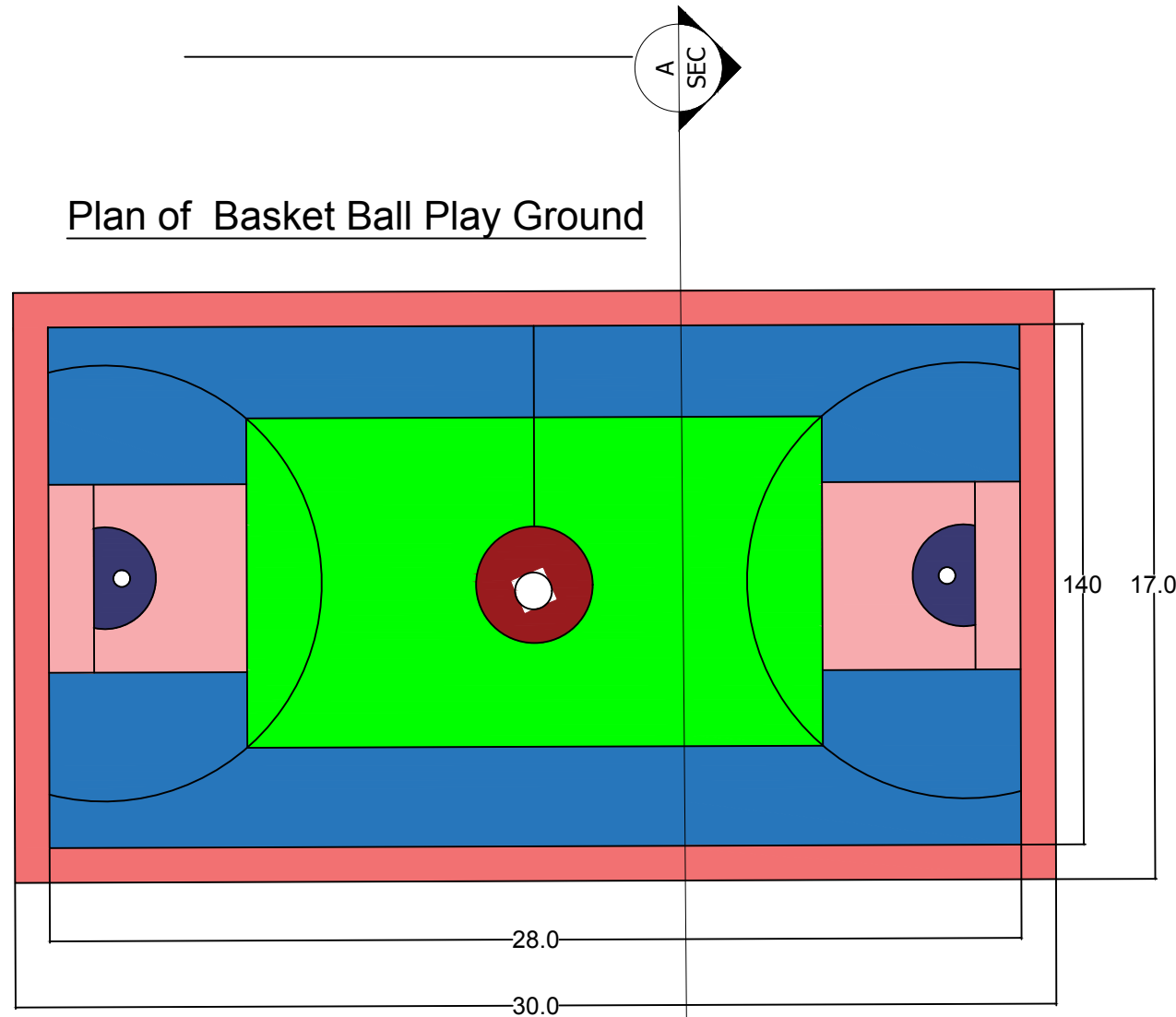
- All dimensions are in meter
 - Steel pipes are 16gage steel
 - Slab of chairs and table is precast slab
 - Floor of chairs are terrazzo tiles
 - Selecting best quality of umbrella and steel pipe
- Umbrella in outside should be covered with Fiber with all required activities.



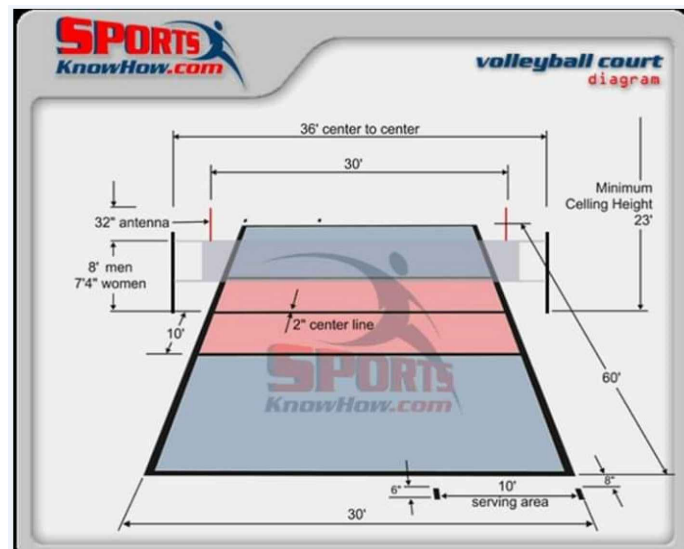
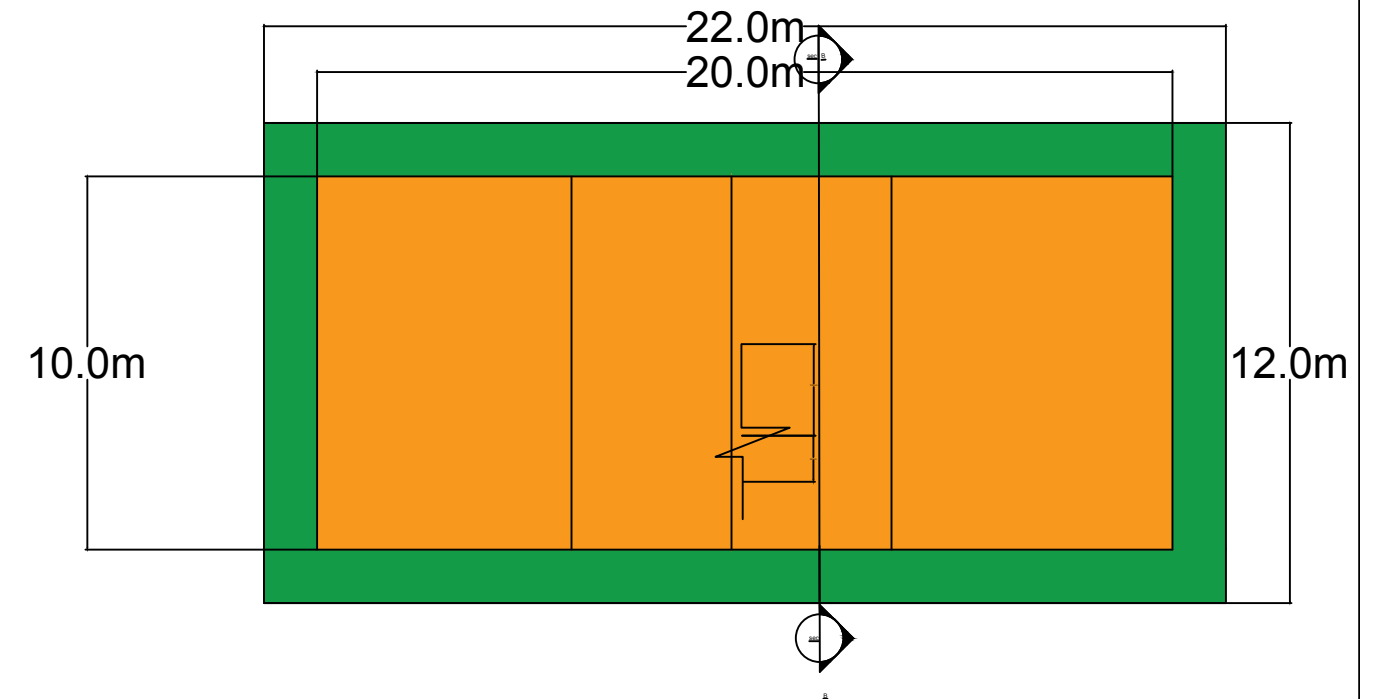
 Community Complex Project 		Project code		KAN - 000 - 000	
Project		Drawing Title		Circular umbrella chairs	
Project Location		Drawn By:		Designed By:	
Name		Eng. Rasheed		Eng. Rasheed	
Sign		Eng. Asadullah Ibrahim		Checked By:	
Date					

Basketball ground details

Plan of Basket Ball Play Ground



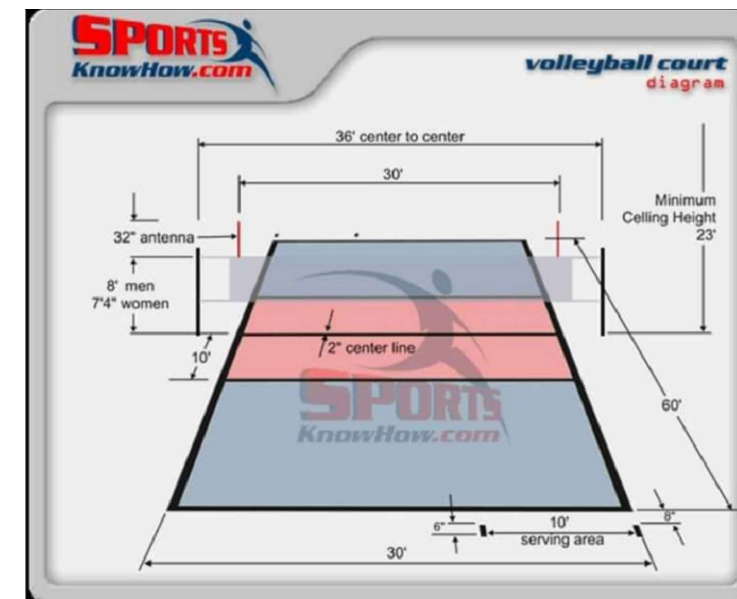
Volleyball ground details



SECTION (A-A)



PCC 250MP = 100mm
Compacted Gravel = 50mm
Compacted Soil
Total Area = 392 Sq.m
Total site leveling = 392 Sq. m
Total PCC = 39.2 Cu. m
Total Graveling = 19.6 Cu. m



Section (B-B)

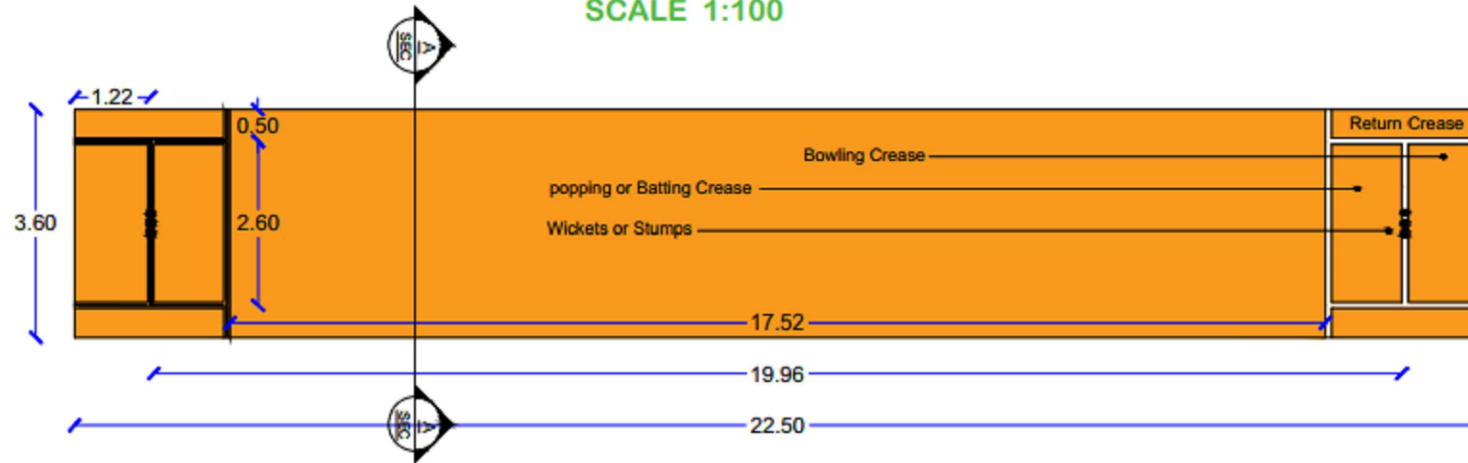
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Project code	HLD - 000 - 000		
Project	New Constructions of PARK		
Drawing Title	Site plan play ground		
Project Location	Helmand city		
Drawn By:	Designed By:	Checked By:	
Name Eng.Amir M.	Eng.Amir M.	Eng.Amir M.	
Sign			
Date			

Cricket Pitch details

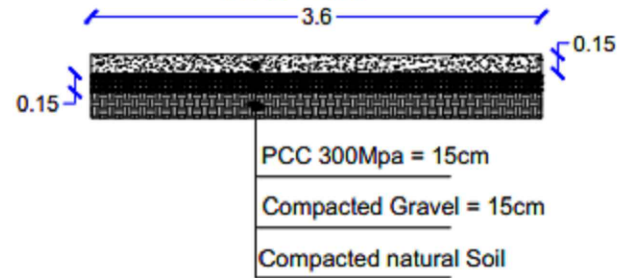
Note: Measurements are in Meters

SCALE 1:100



SECTION A-A

SCALE 1:50



Total Area = 81 Sq.m
Total Site leveling = 81 Sq.m
Total PCC = 12.15 Cu.m
Total Graveling = 12.15 Cu.m

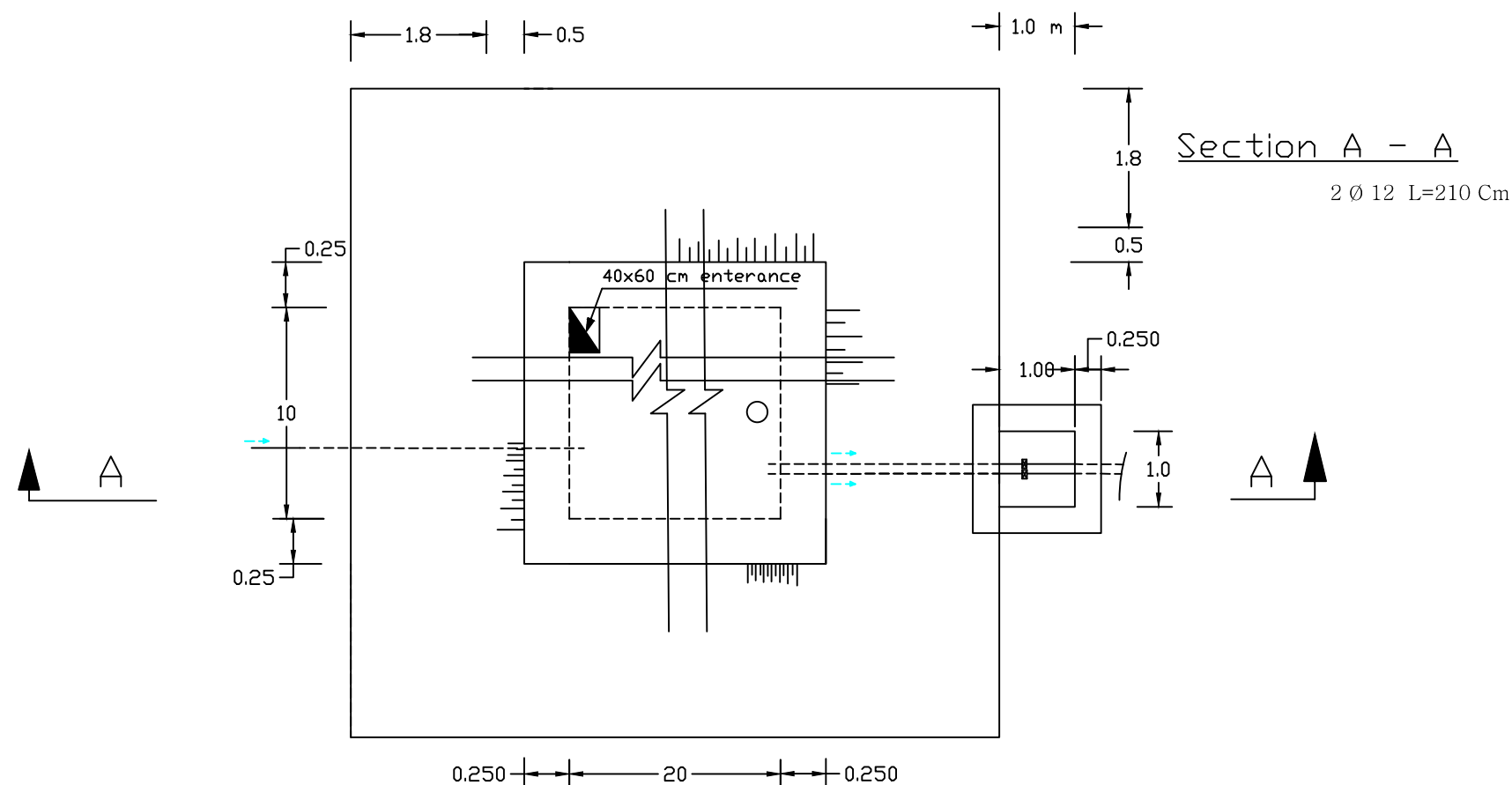
Activate Wi-Fi
Go to PC settings



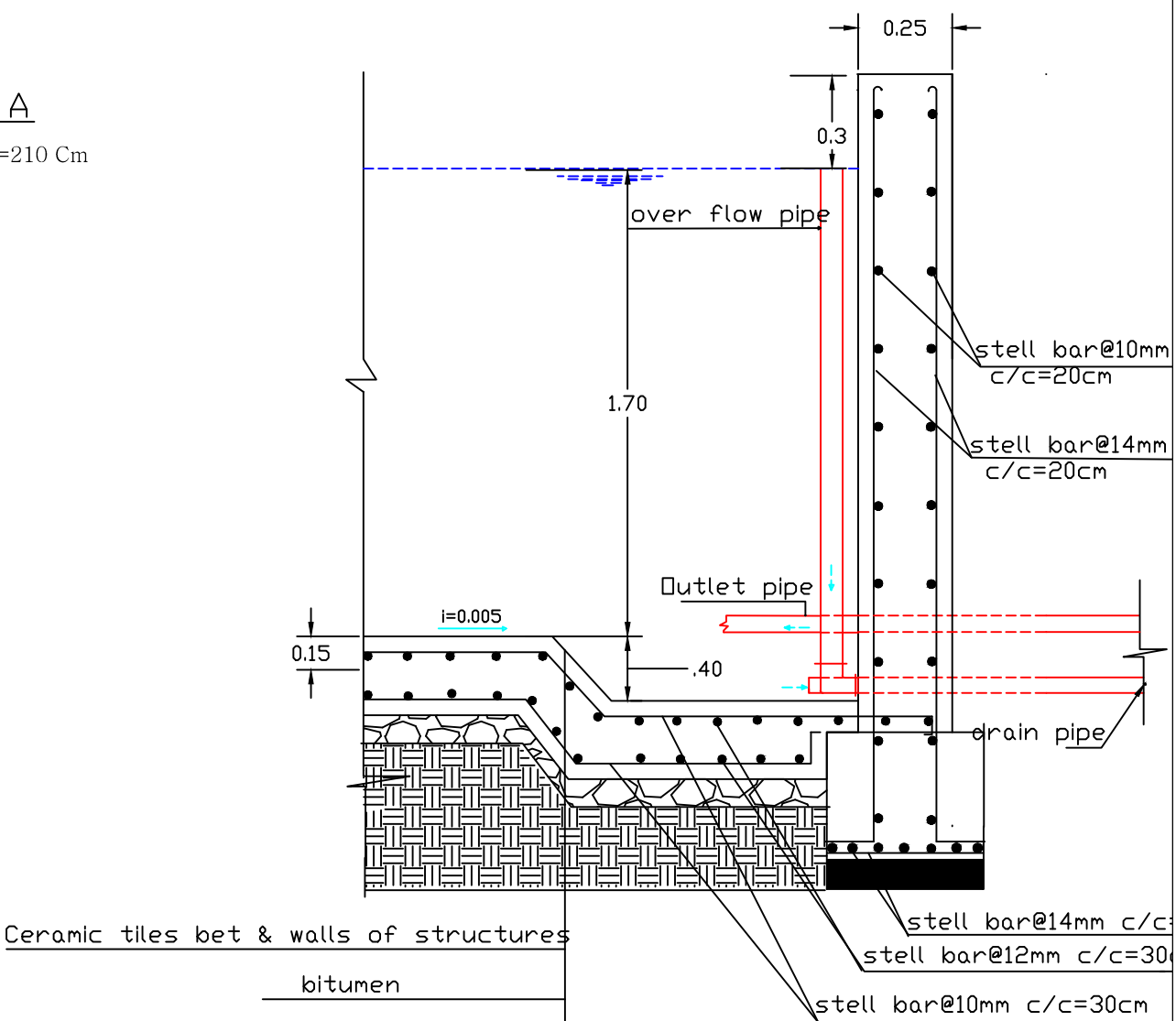
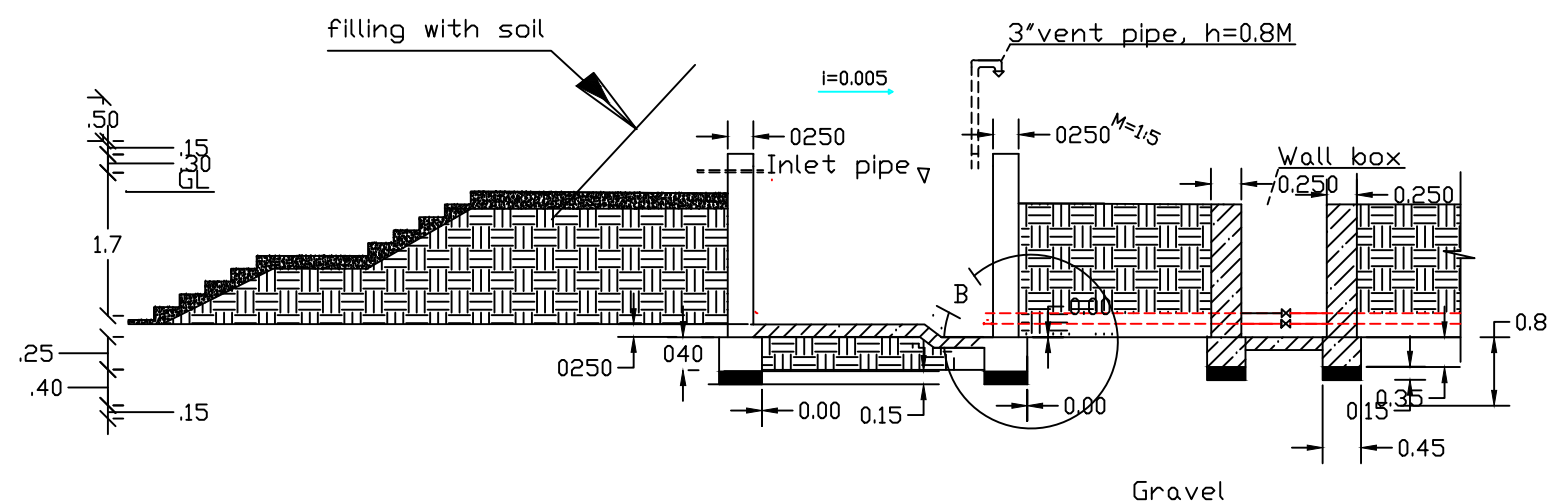
Project code		HED - 000 - 000		
Project		New Constructions of PARK		
Drawing Title		Site plan of Cricket play ground		
Project Location		Helmand city		
Drawn By:		Designed By:	Checked By:	
Name	Eng.Rasheed.	Eng.Amir M.	Eng.Amir M.	
Sign				
Date				

RESERVOIR SWIMMING POOL V=400 CUM

Detail B



Section A - A



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Project code	HLD - 000 - 000		
Project	New Constructions of swimming pool		
Drawing Title	Site Elevation plan		
Project Location	Helmand city		
Drawn By:	Designed By:	Checked By:	
Name	Eng.Amir M.	Eng.Amir M.	Eng.Amir M.
Sign			