



**International Rescue Committee(IRC)**  
**Environmental Health Department**

Technical Drawings for Rehabilitation/Improvement of WASH Infrastructures in Health  
Facilities of Karowcheh/ Adraskan in Herat Provinces


Date of Completion: 18/September/2024

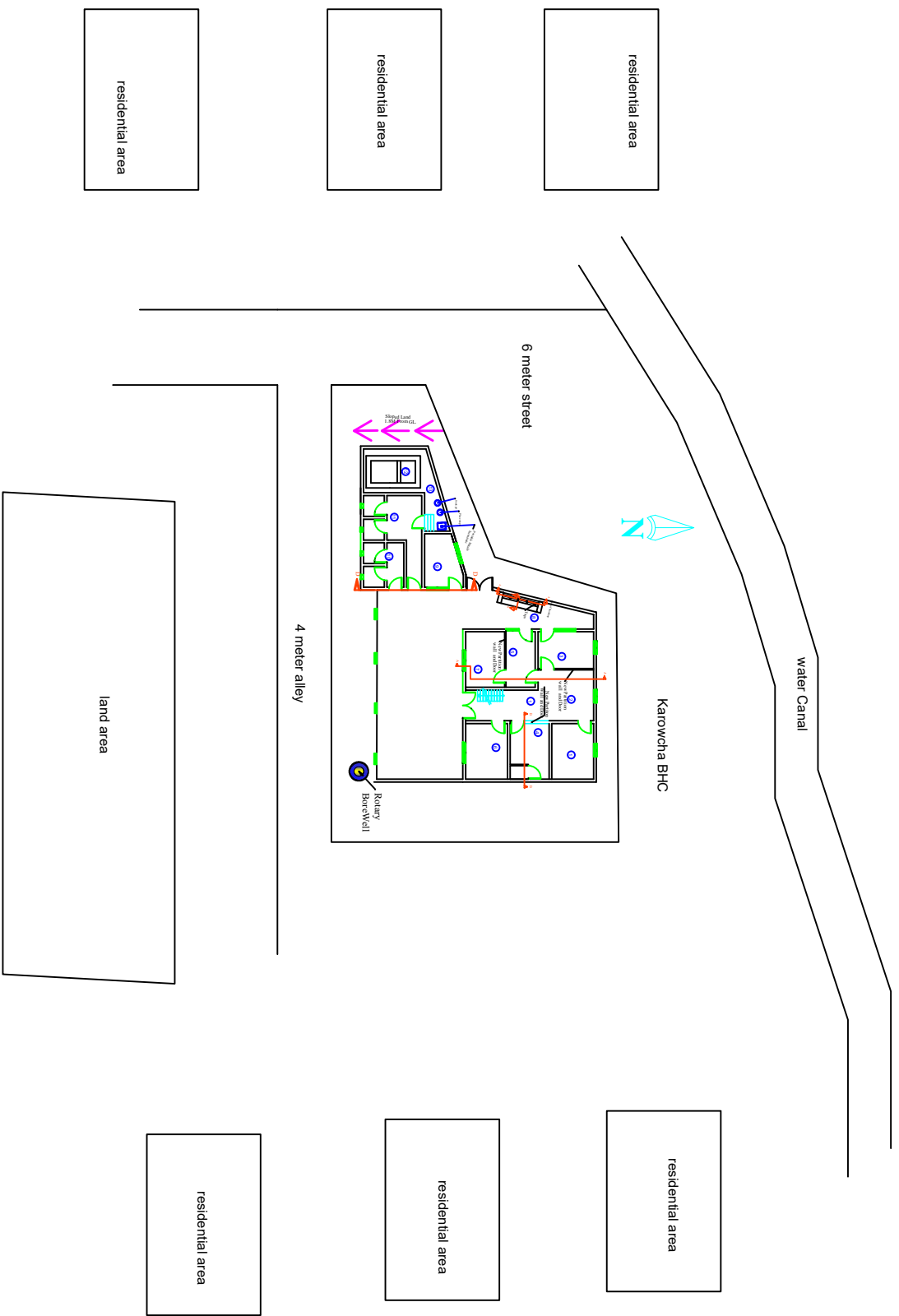


International Rescue Committee		Department: Health		Province:	Herat	Drawing Title: Cover Page
Herat Afghanistan		Reviewed By		District:	Adraskan	Scale: as shown Measuring Scale: NFS
Surveyed By	HRT-Engineering Team	Approved By		Village:	Karowcheh	Sheet: (#01)
Designed By	HRT-Engineering Team					

# Table of Content for Karowchen Health Facility, Adraskan District Herat Province

- 1- Site Plan.
- 2-Existing Plan.
- 2- Improvement Plan.
- 4- dimension plan
- 5- Water Supply Plan.
- 6- Sewer Plan
- 7- Basement plan.
- 8- Details and sections for latrines
- 9- Details and sections for Guard Room.
- 10- Guard Room
- 11-boundary Wall
- 12- Solar System Plan
- 13- Septic Tank.
- 14- Bore Well Detailing
- 15-Hand-Washing System / Stand up plan.
- 16-Waste Management Plan.
- 17-21-Types and Detail


		International Rescue Committee Herat Afghanistan		Department: Health		Province:	Herat	Drawing Title: Table of Content
Surveyed By	HRT-Engineering Team	Review By		District:	Adraskan	Scale: as shown Measuring Scale: NFS		
Designed By	HRT-Engineering Team	Approved By		Village:	Karowcheh	Sheet: (#02)		

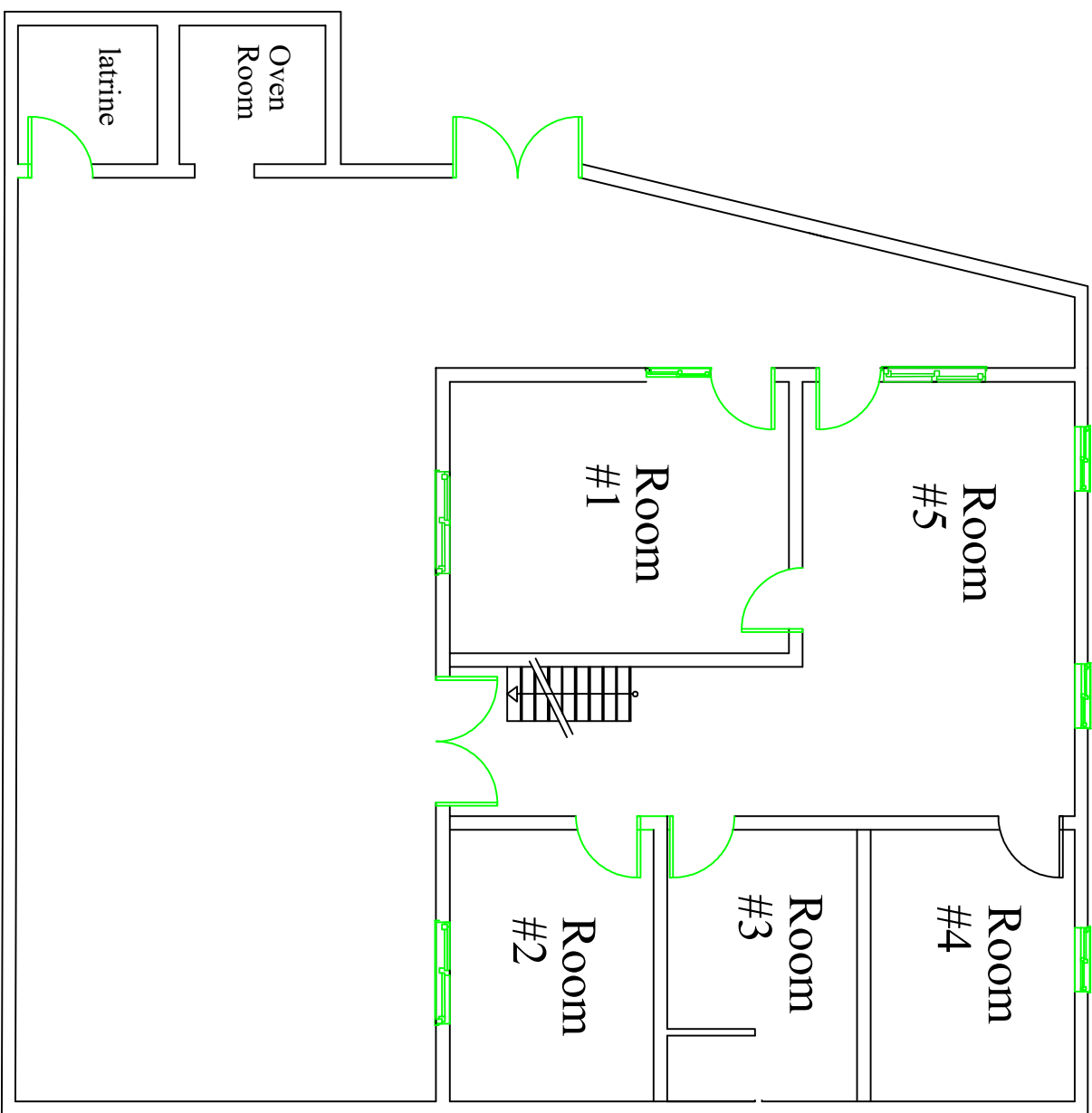
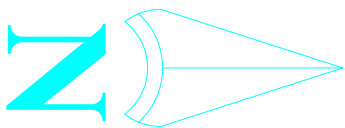


## 01 | Site plan

01

Scale: NFS

			
<b>International Rescue Committee</b> Herat Afghanistan		Department: Health	
Surveyed By	HRT-Engineering Team	Review By	District:
Designed By	HRT-Engineering Team	Approved By	Village:
		Herat	Adrasikan
		Karowchek	Drawing Title: Site plan Scale: as shown Measuring Scale: NFS Sheet: (#03)



## Existing plan

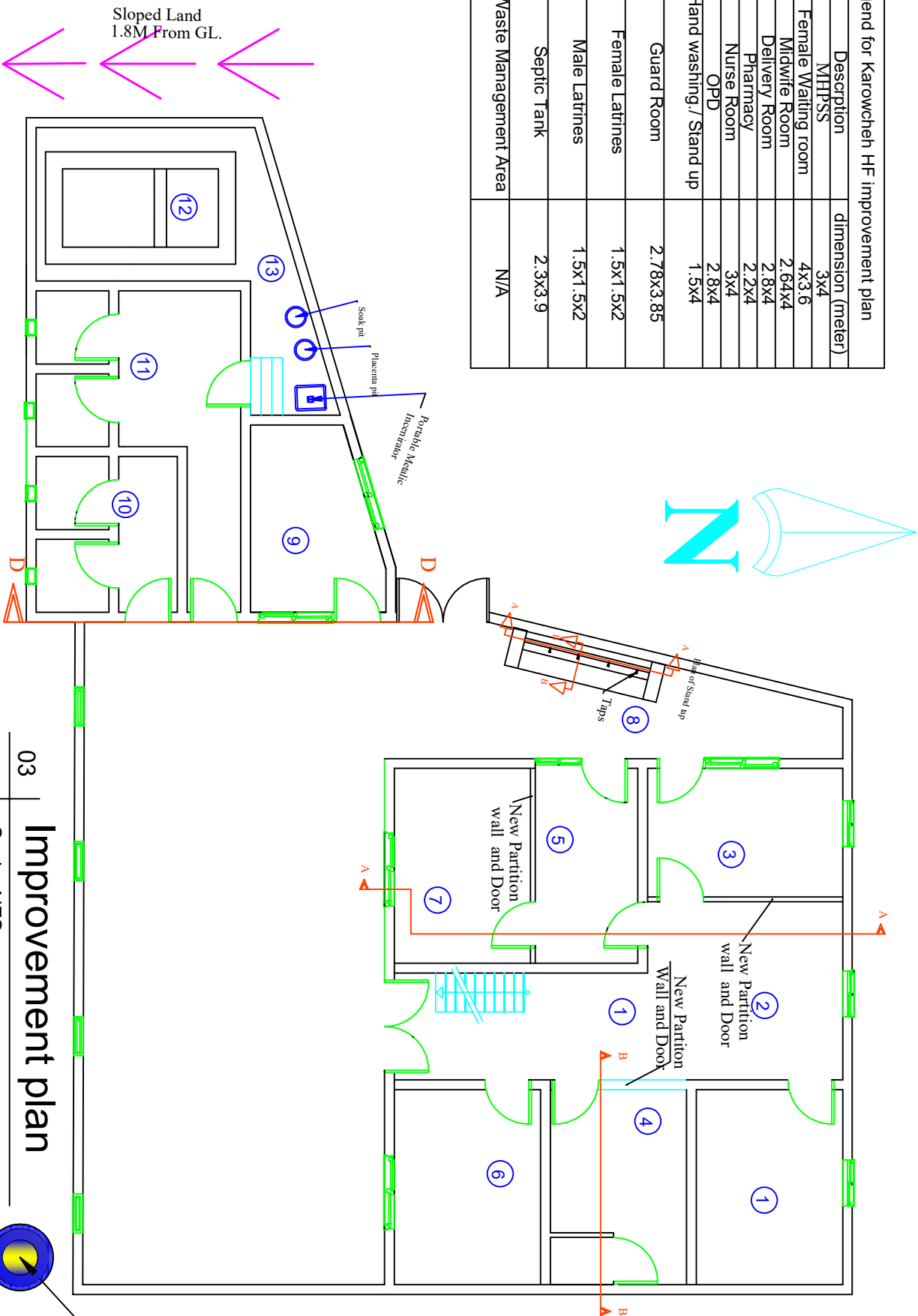
02

Scale: NFS



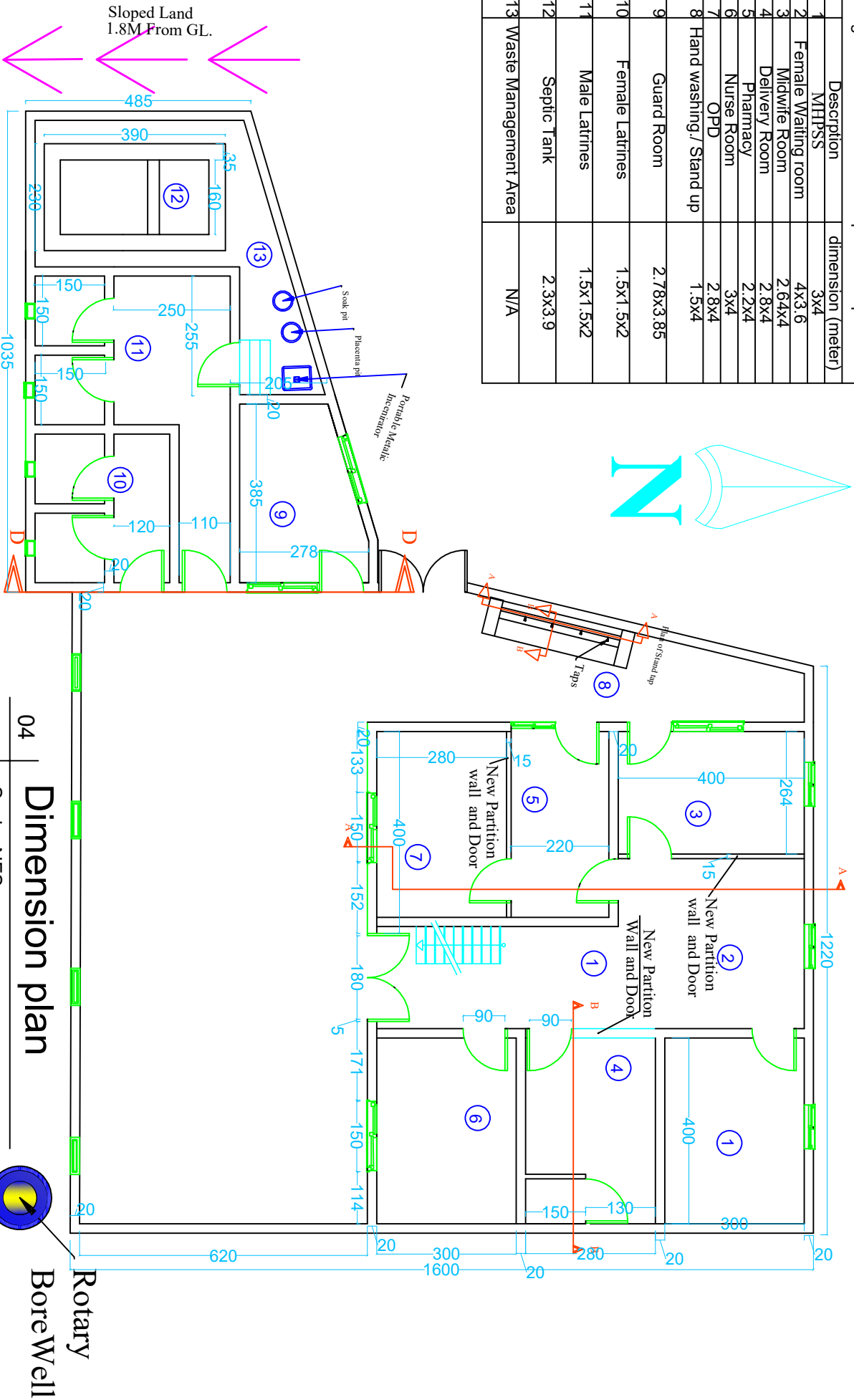
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Surveyed By	HRT-Engineering Team	Review By		District:	Adraskan	Scale: as shown Measuring Scale: NFS
Designed By	HRT-Engineering Team	Approved By		Village:	Karowcheh	Sheet: (#04)

Legend for Karowcheh HF improvement plan		
#	Description	dimension (meter)
1	MHPSS	3x4
2	Female Waiting room	4x3.6
3	Midwife Room	2.64x4
4	Delivery Room	2.8x4
5	Pharmacy	2.2x4
6	Nurse Room	3x4
7	OPD	2.8x4
8	Hand washing / Stand up	1.5x4
9	Guard Room	2.78x3.85
10	Female Latrines	1.5x1.5x2
11	Male Latrines	1.5x1.5x2
12	Septic Tank	2.3x3.9
13	Waste Management Area	N/A




International Rescue Committee Herat Afghanistan		Department: Health		Province:	Herat	Drawing Title: Improvement Plan
Surveyed By	HRT-Engineering Team	Review By		District:	Adraskan	
Designed By	HRT-Engineering Team	Approved By		Village:	Karowcheh	Scale: as shown Measuring Scale: NFS
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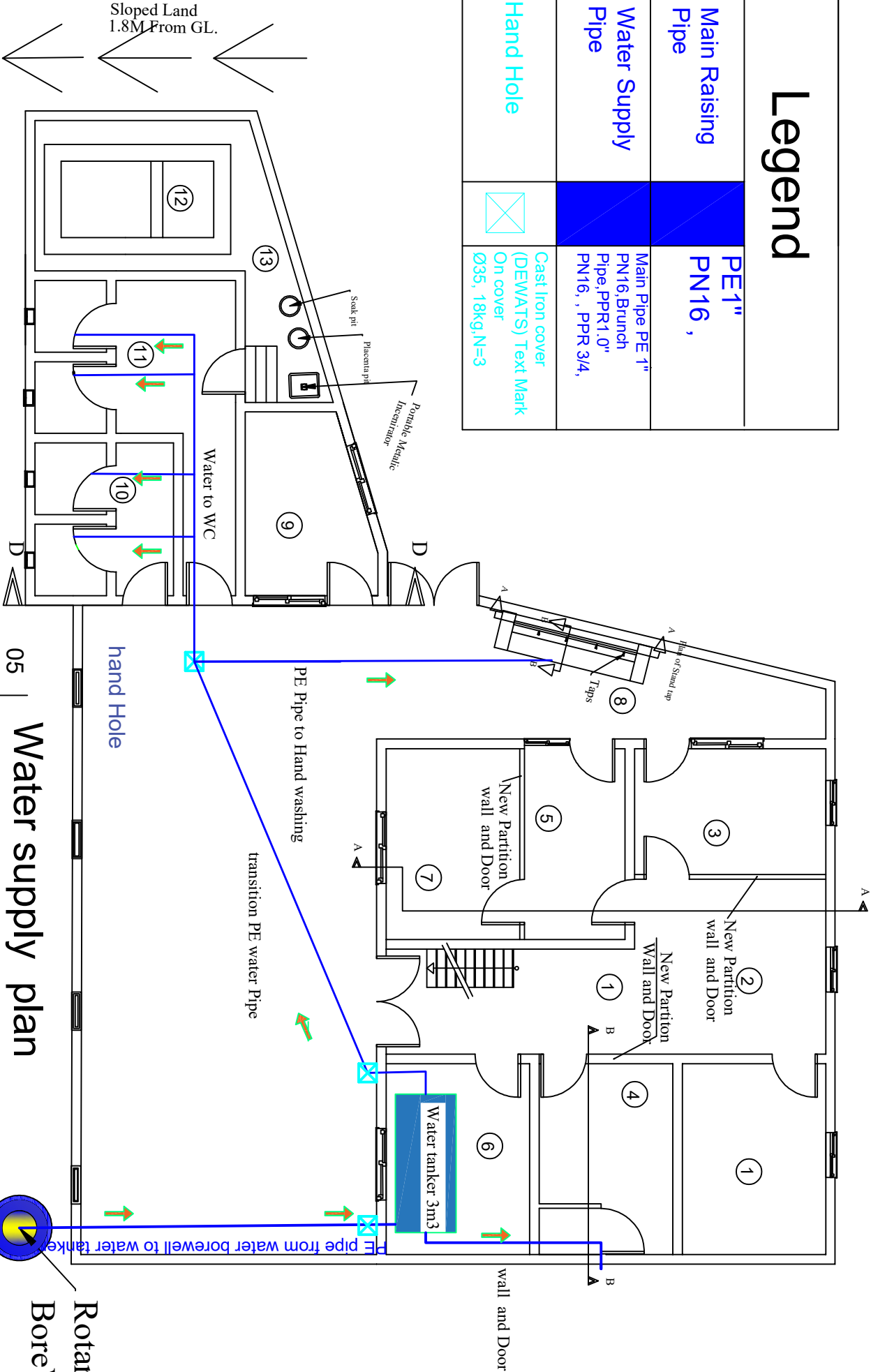
Legend for Karowchen HF improvement plan		
#	Description	dimension (meter)
1	MHPSS	3x4
2	Female Waiting room	4x3.6
3	Midwife Room	2.64x4
4	Delivery Room	2.8x4
5	Pharmacy	2.2x4
6	Nurse Room	3x4
7	OPD	2.8x4
8	Hand washing/ Stand up	1.5x4
9	Guard Room	2.78x3.85
10	Female Latrines	1.5x1.5x2
11	Male Latrines	1.5x1.5x2
12	Septic Tank	2.3x3.9
13	Waste Management Area	N/A



04  
Scale: NFS  
**Dimension plan**  
Rotary Bore Well

		International Rescue Committee Herat Afghanistan		Department: Health		Province:	Herat	Drawing Title: Dimension Plan	
Surveyed By	HRT-Engineering Team	Review By		District:	Adraskan	Scale: as shown Measuring Scale: NFS			
Designed By	HRT-Engineering Team	Approved By		Village:	Karowcheh	Sheet: (#06)			

Legend		
Main Raising Pipe		PE1" PN16 ,
Water Supply Pipe		Main Pipe PE 1" PN16, Branch Pipe, PPR1.0" PN16, , PPR 3/4,
Hand Hole		Cast Iron cover (DEWATS) Text Mark Ø35, 18kg, N=3 On cover



05




Water supply plan

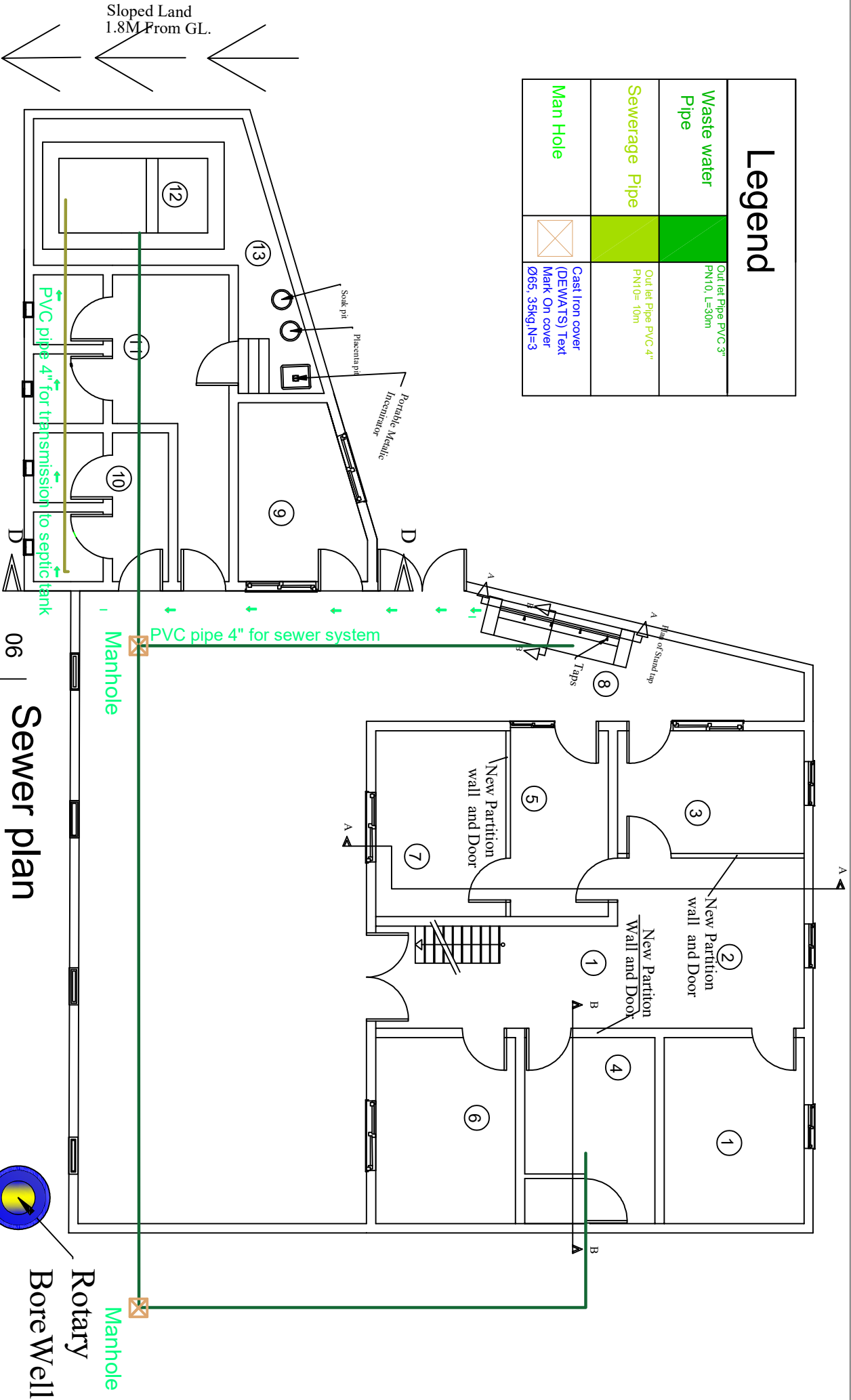
Scale: NFS

Rotary BoreWell

International Rescue Committee		Department: Health	
Herat Afghanistan		Province: Herat	
Surveyed By	HRT-Engineering Team	District: Adraskan	Drawing Title: Water supply system
Designed By	HRT-Engineering Team	Village: Karowcheh	Scale: as shown Measuring Scale: NFS
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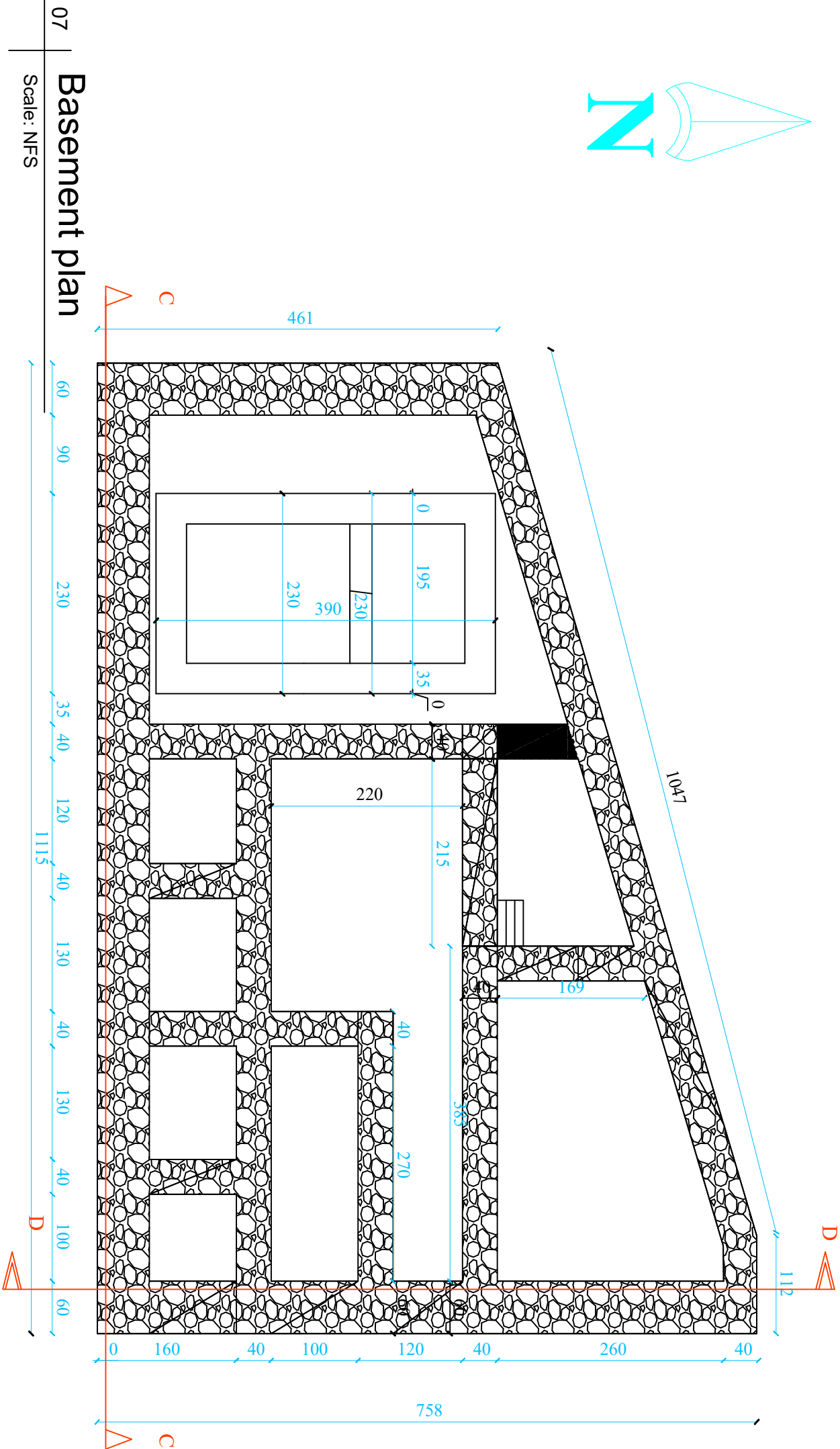
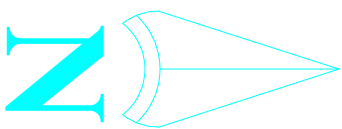


Legend			
Waste water Pipe		Out let Pipe PVC 3"	PN10, L=30m
Sewerage Pipe		Out let Pipe PVC 4"	PN10= 10m
Man Hole		Cast Iron cover (DEWATS) Text Mark On cover Ø65, 35kg,N=3	



International Rescue Committee		Department: Health		Province:	Herat	Drawing Title: sewer Plan
Herat Afghanistan		Review By		District:	Adraskan	Scale: as shown Measuring Scale: NFS
Surveyed By	HRT-Engineering Team	Approved By		Village:	Karowcheh	Sheet: (#08
Designed By	HRT-Engineering Team					



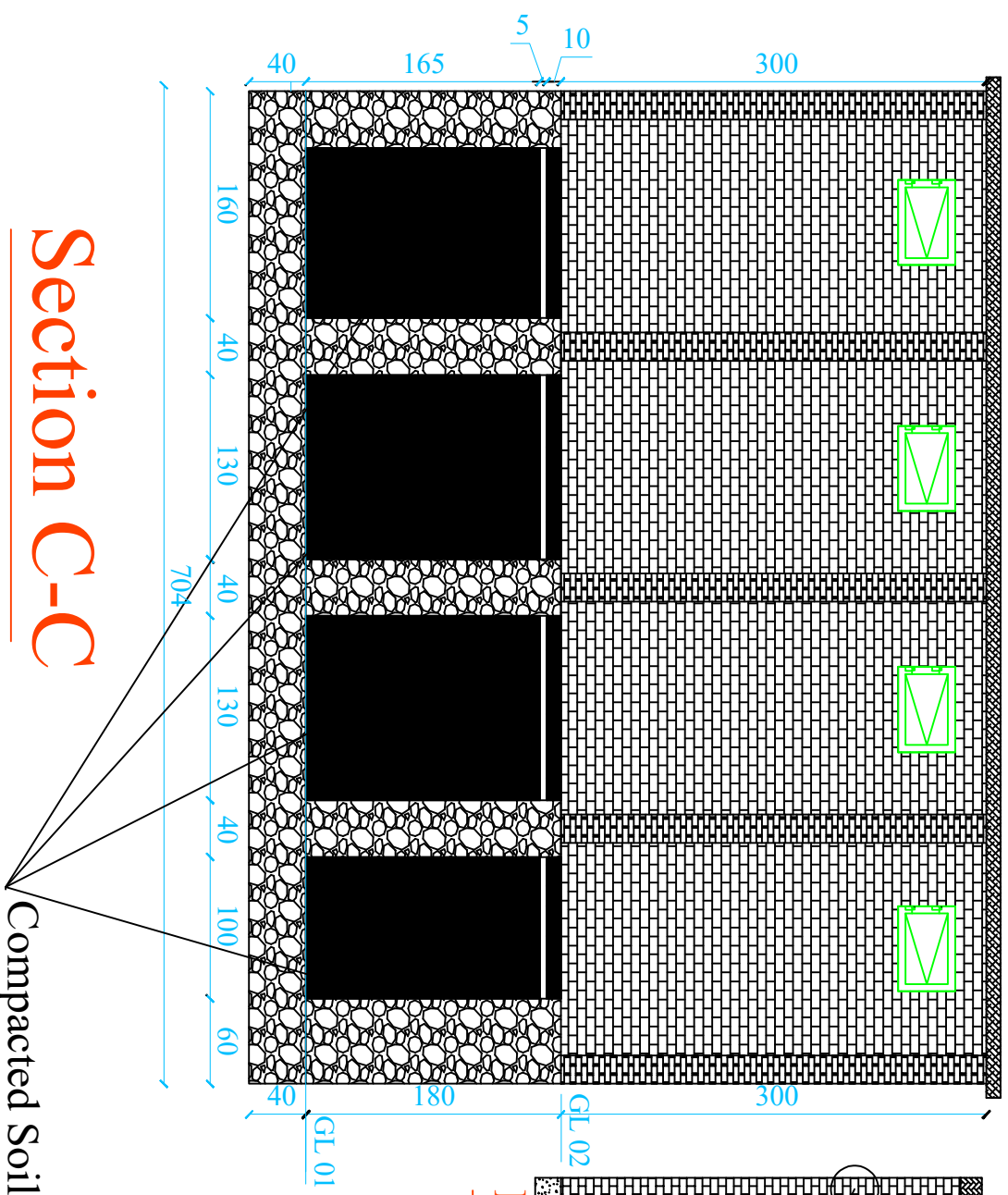


# Basement plan

Scale: NFS

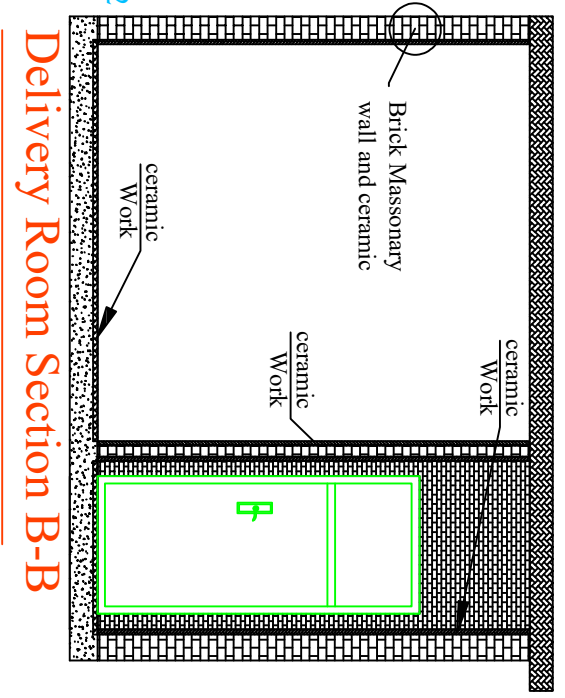
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Surveyed By	HRT-Engineering Team	Review By		District:	Adraskan	Scale: as shown Measuring Scale: NFS	
Designed By	HRT-Engineering Team	Approved By		Village:	Karowcheh	Sheet: (#09	



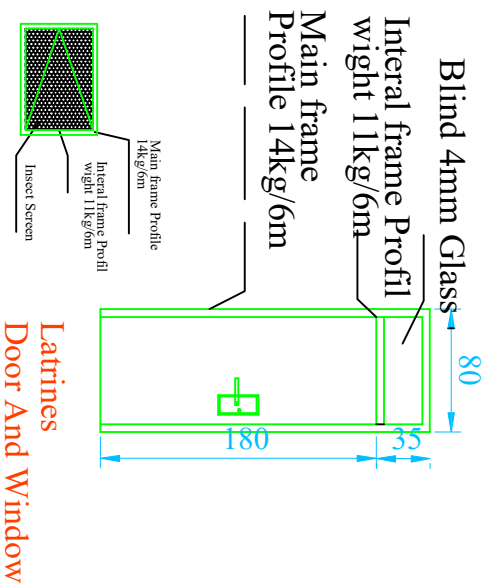


Section C-C

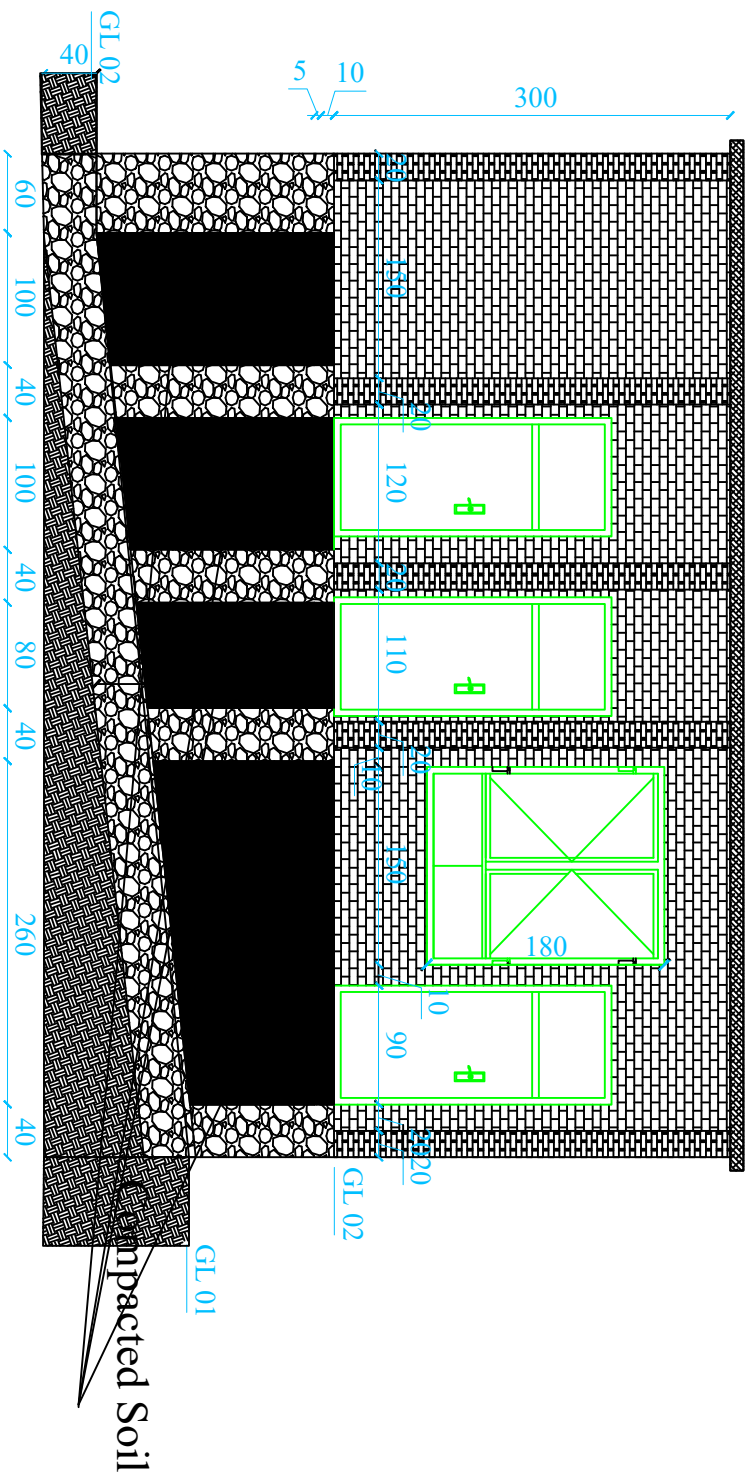
Compacted Soil



International Rescue Committee Herat Afghanistan		Department: Health		Province:	Herat	Drawing Title: Latrines Sections	
Surveyed By	HRT-Engineering Team	Review By		District:	Adraskan	Scale: as shown Measuring Scale: NFS	
Designed By	HRT-Engineering Team	Approved By		Village:	Karowcheh	Sheet: (#10)	



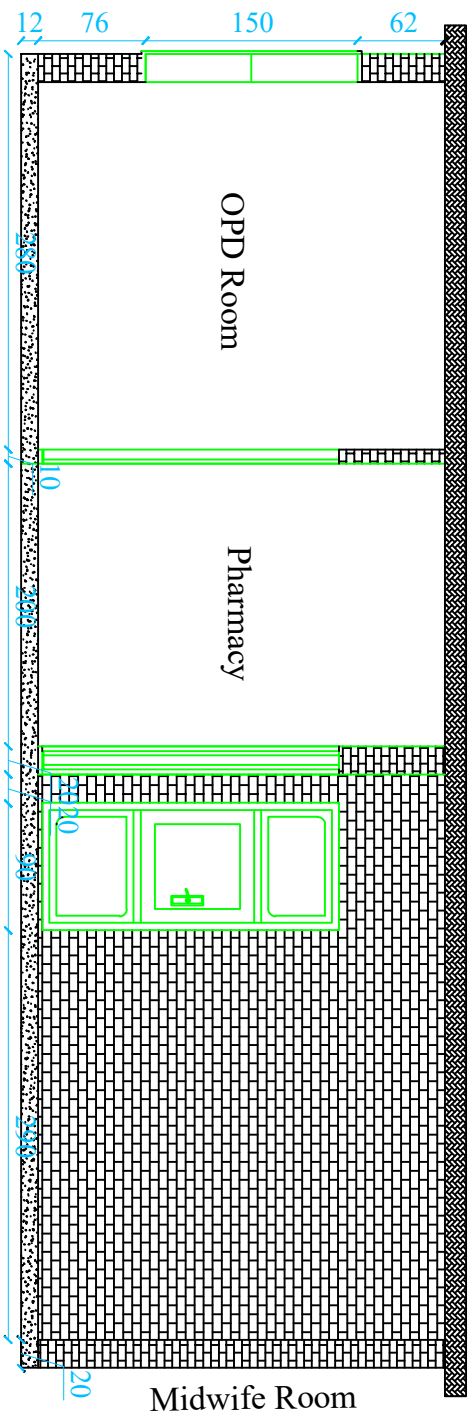
Section D-D




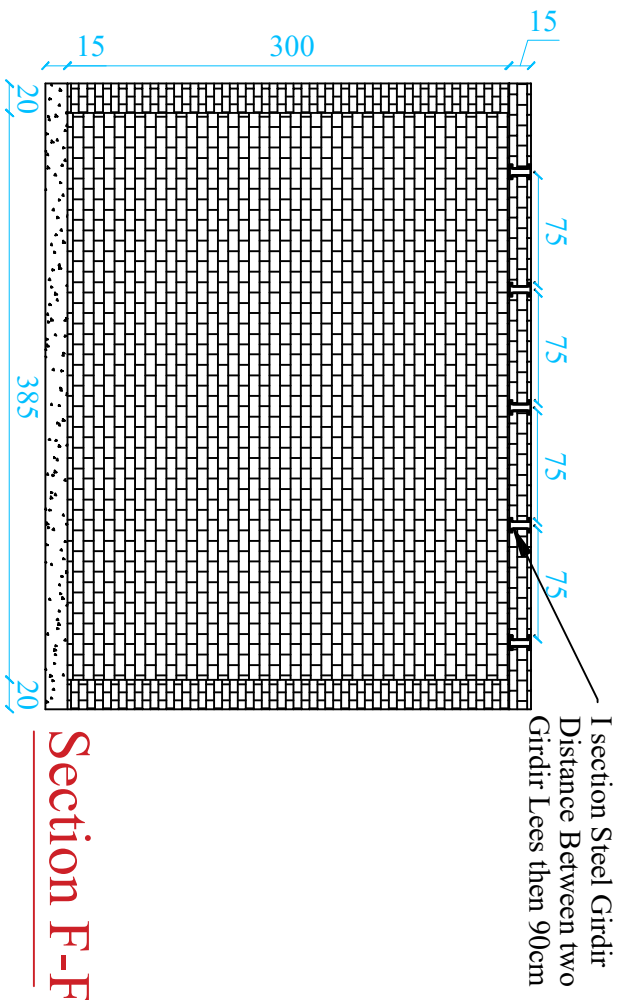
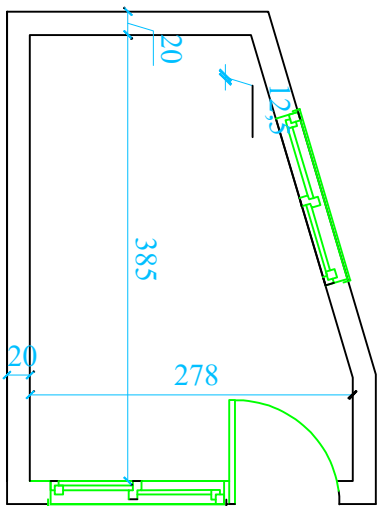
Latrines Sections and Guard Room

Scale: NFS

Section A-A



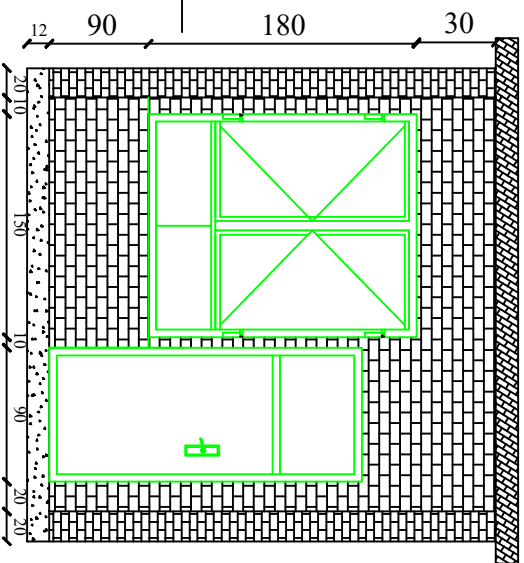
			International Rescue Committee		Department: Health		Herat	Drawing Title: Latrines Sections and GuardRoom	
Herat Afghanistan			Surveyed By		Review By		District:	Scale: as shown Measuring Scale: NFS	
Designed By			HRT-Engineering Team		Approved By		Village:	Sheet: (#11)	
			HRT-Engineering Team				Karowchah		



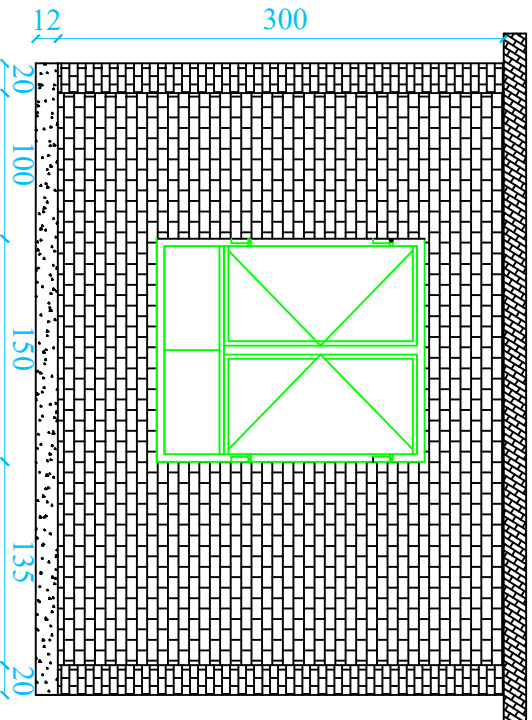
**Section F-F**

# Guard Room plan and sections


Scale: NFS



**East. Elevation**

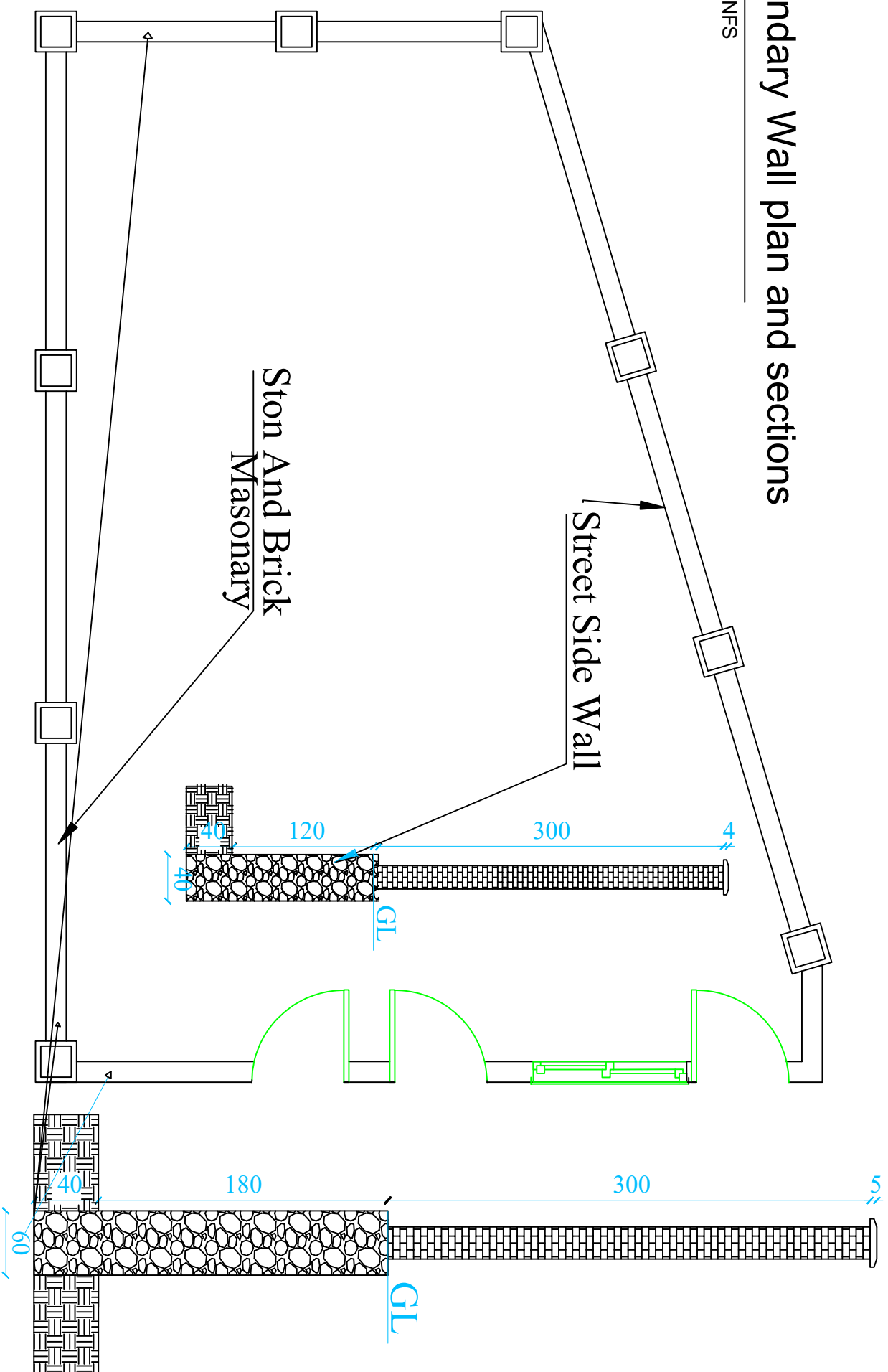


**East. Elevation**

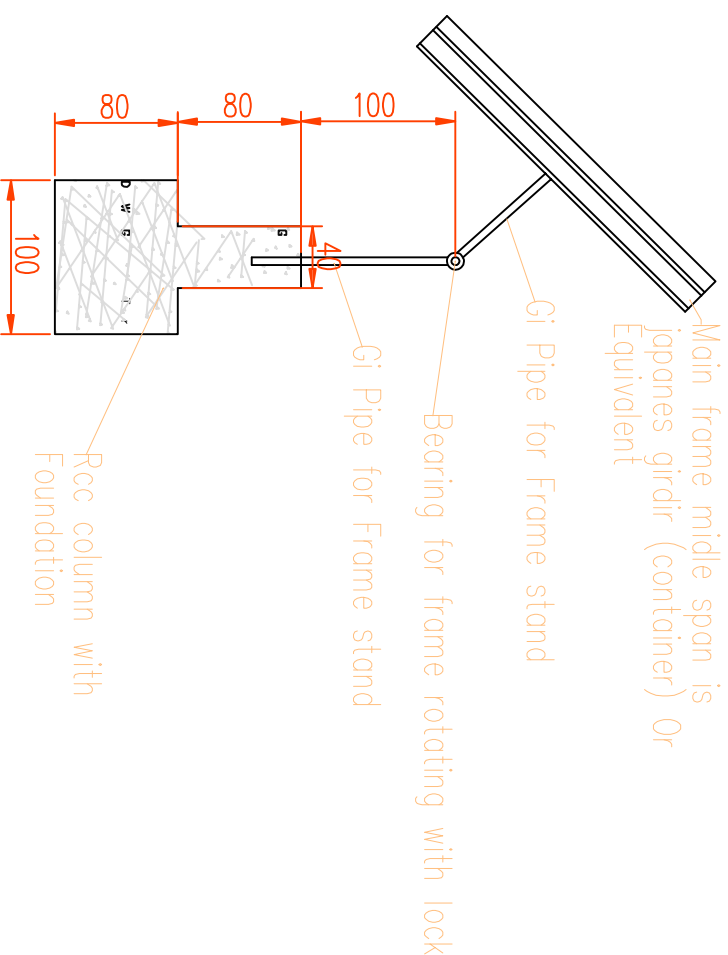
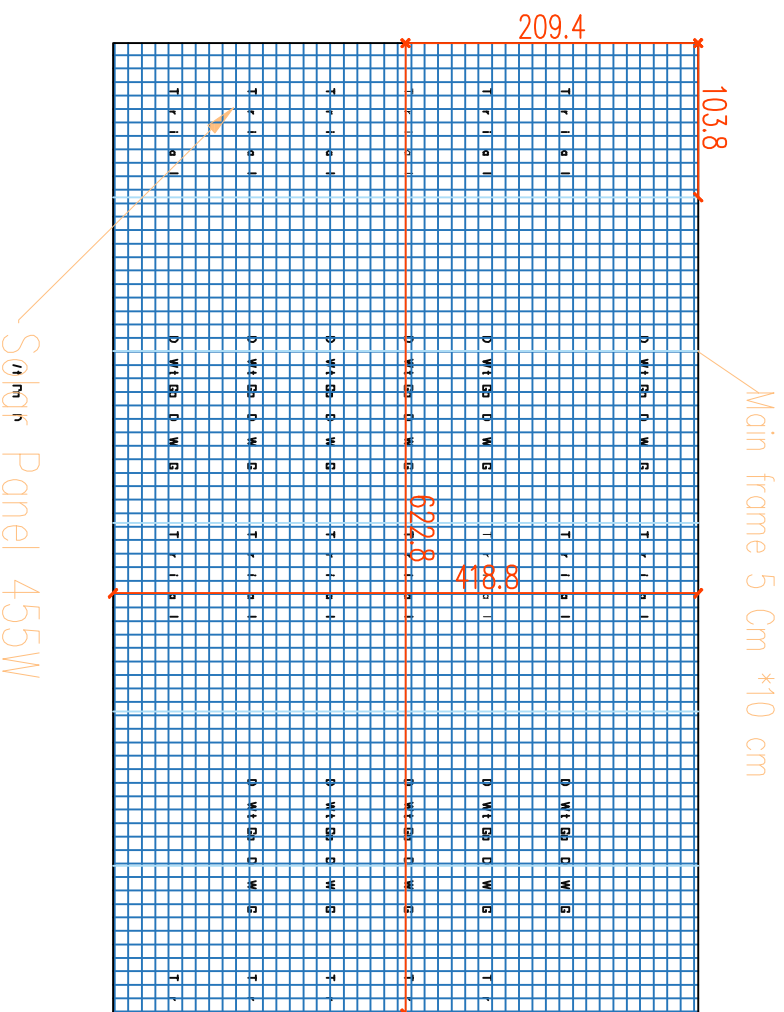
		<b>International Rescue Committee</b> Herat Afghanistan		Department: Health		Province:	Herat	Drawing Title: Guard Room plan and sections	
Surveyed By	HRT-Engineering Team	Review By		District:	Adraskan	Scale: as shown Measuring Scale: NFS			
Designed By	HRT-Engineering Team	Approved By		Village:	Karowchek	Sheet: (#12)			

# Boundary Wall plan and sections

Scale: NFS







Note:


1. Gi Pipe shall be 4in 3kg/m.
2. Main frame wight shall be 14kg/6m.
3. chopty for solar installation 2.5kg/2.5m.
4. Main frame middle span is japanese girder (Container).

## 12 Solar System

Scale: NFS



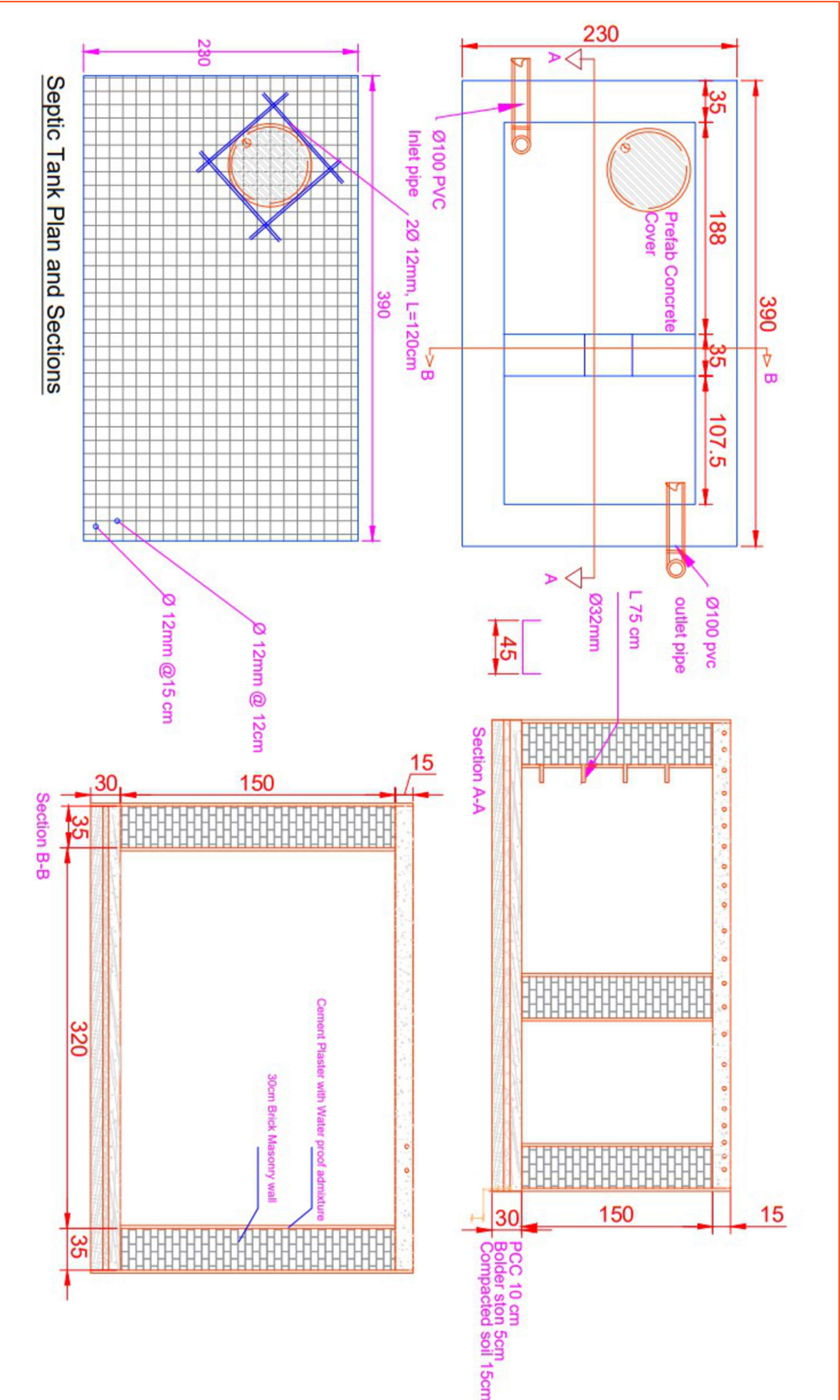
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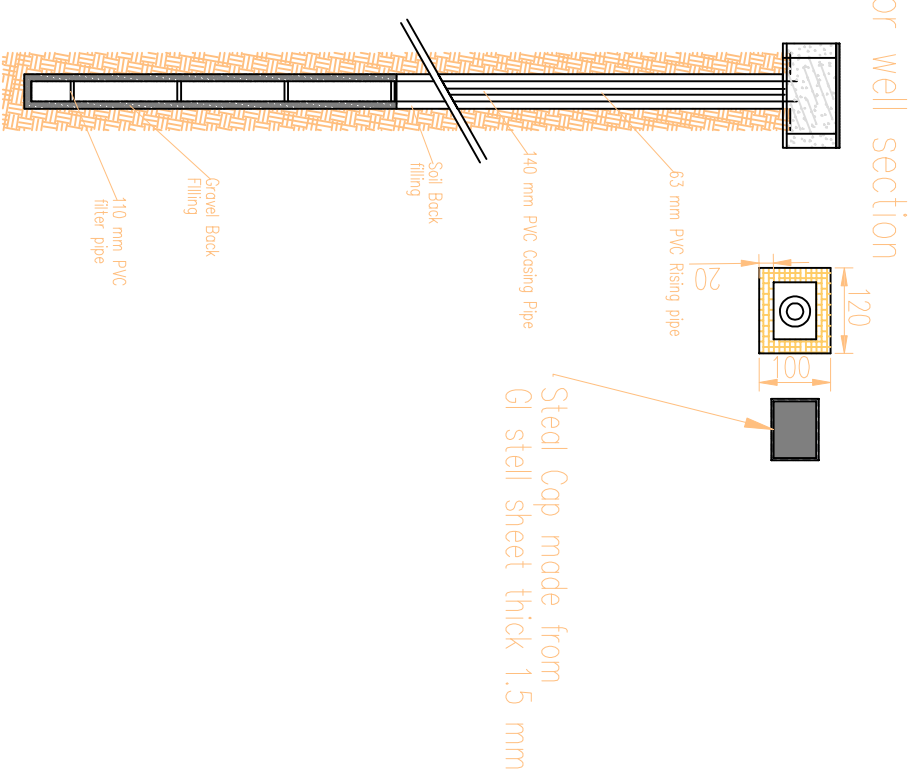
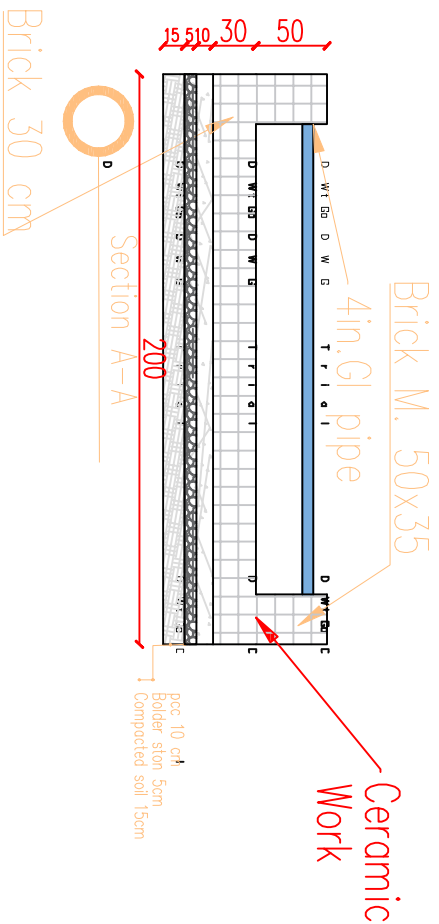
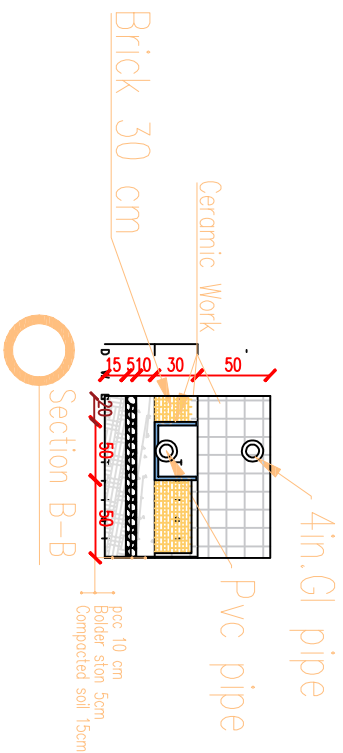
<div><div></div><div>INTERNATIONAL RESCUE COMMITTEE</div></div>		<div><div>International Rescue Committee</div><div>Herat Afghanistan</div></div>		<div><div>Department: Health</div></div>		<div><div>Province:</div><div>Herat</div></div>		<div><div>Drawing Title: septic tank plan and details</div></div>	
<div><div>Surveyed By</div></div>		<div><div>HRT-Engineering Team</div></div>		<div><div>Review By</div></div>		<div><div>District:</div><div>Adraskan</div></div>		<div><div>Scale: as shown Measuring Scale: NFS</div></div>	
<div><div>Designed By</div></div>		<div><div>HRT-Engineering Team</div></div>		<div><div>Approved By</div></div>		<div><div>Village:</div><div>Karowcheh</div></div>		<div><div>Sheet: (#15)</div></div>	

13

Septic Tank plan and details

Scale: NFS





# Water BoreWell

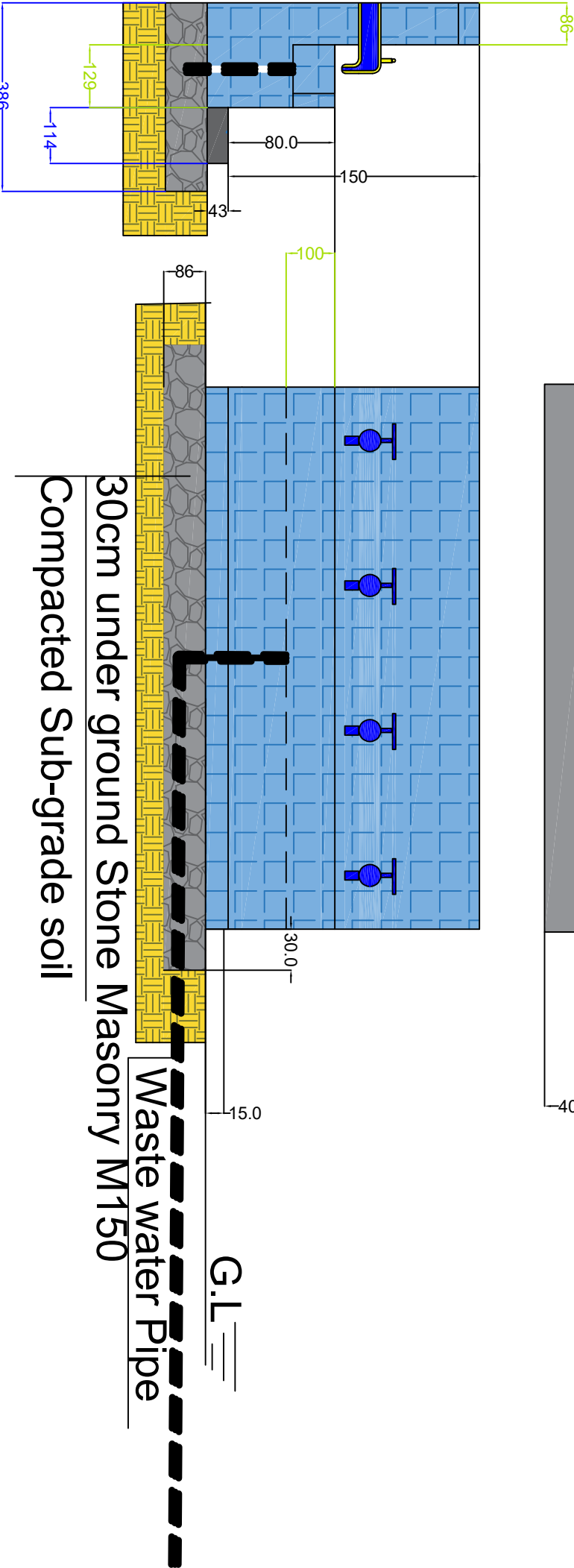
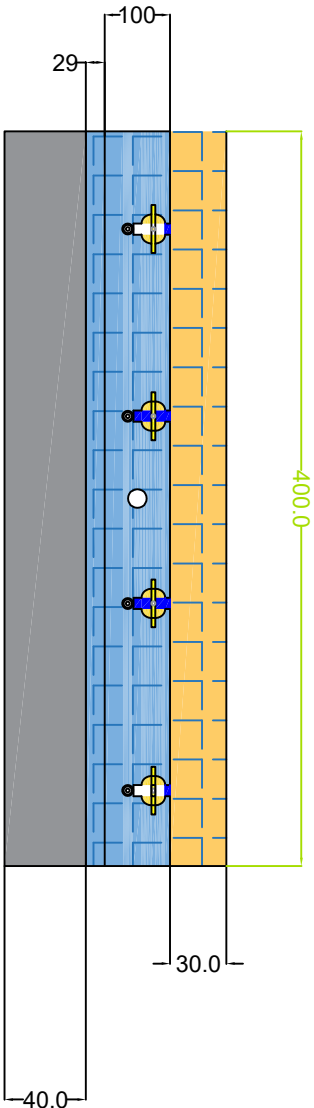
Scale: NFS

General Note : Rotary Bore well just for Karocha BHC

<div> <div>HERAT BOREWELL RESCUE COMMITTEE</div> </div>		<div> <div>International Rescue Committee</div> </div>		<div> <div>Department: Health</div> </div>		<div> <div>Province:</div> </div>		<div> <div>Herat</div> </div>		<div> <div>Drawing Title: water boreWell</div> </div>	
<div> <div>HERAT AFGHANISTAN</div> </div>		<div> <div>Herat Afghanistan</div> </div>		<div> <div>Surveyed By</div> </div>		<div> <div>District:</div> </div>		<div> <div>Adraskan</div> </div>		<div> <div>Scale: as shown Measuring Scale: NFS</div> </div>	
<div> <div>DESIGNED BY</div> </div>		<div> <div>HRT-Engineering Team</div> </div>		<div> <div>Review By</div> </div>		<div> <div>Village:</div> </div>		<div> <div>Karowchah</div> </div>		<div> <div>Sheet: (#16)</div> </div>	
<div> <div>DESIGNED BY</div> </div>		<div> <div>HRT-Engineering Team</div> </div>		<div> <div>Approved By</div> </div>							



# HAND-WASH

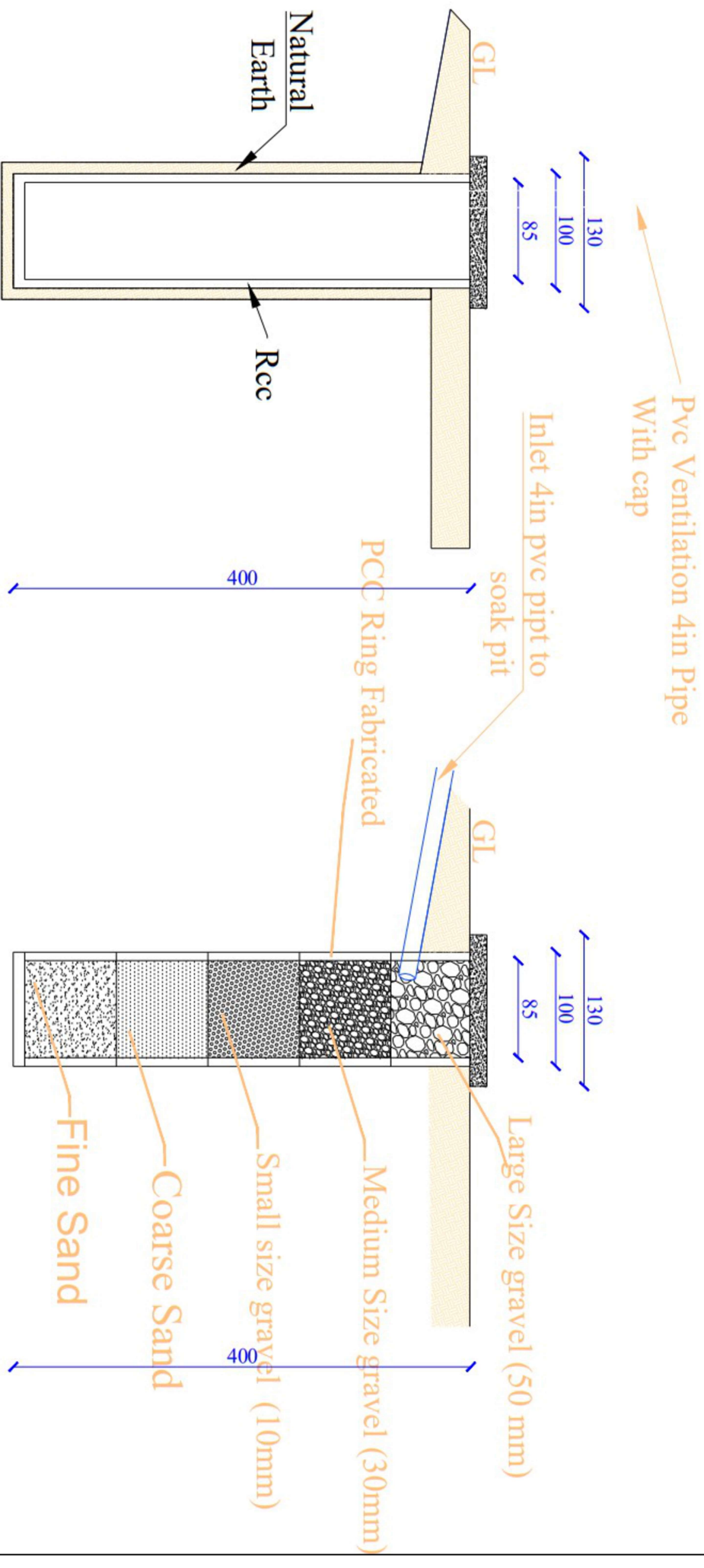


## 15 Hand Washing plan and details

Scale: NFS

International Rescue Committee Herat Afghanistan		Department: Health		Province:	Herat	Drawing Title: Hand Washing plan and details Scale: as shown Measuring Scale: NFS Sheet: (#17)
Surveyed By	HRT-Engineering Team	Review By		District:	Adraskan	
Designed By	HRT-Engineering Team	Approved By		Village:	Karowchek	





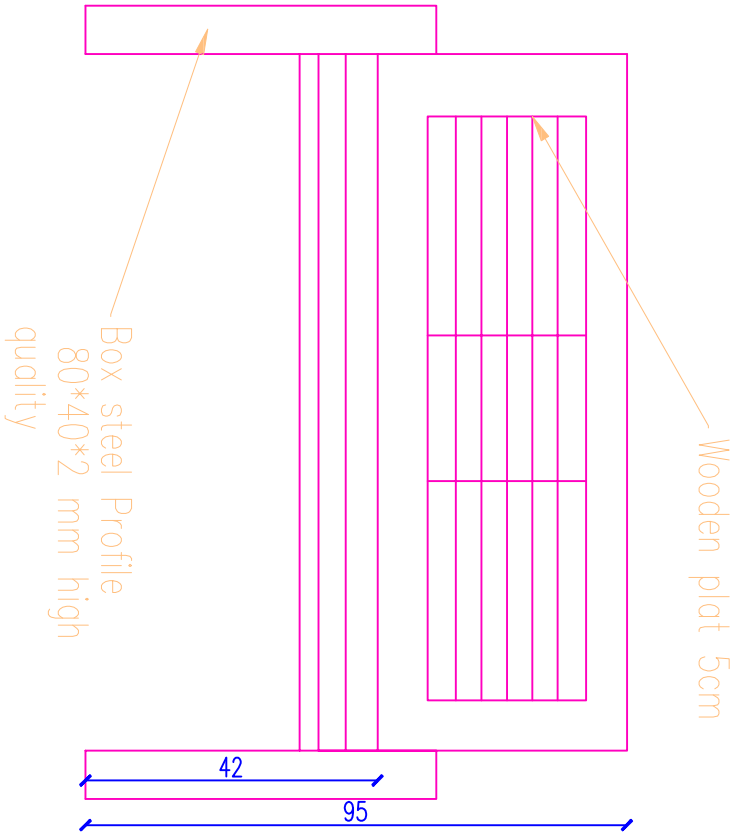
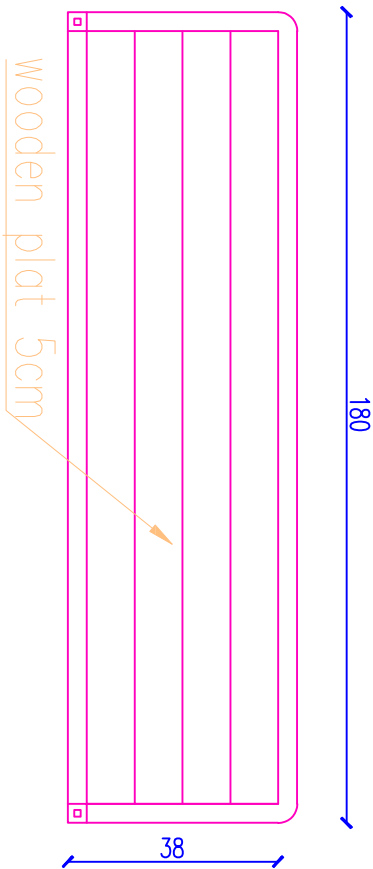
## 16 | Waste management Plan

Scale: NFS



International Rescue Committee Herat Afghanistan		Department: Health		Herat		Drawing Title: Waste management Plan	
Surveyed By	HRT-Engineering Team	Review By		District:	Adraskan	Scale: as shown Measuring Scale: NFS	
Designed By	HRT-Engineering Team	Approved By		Village:	Karowchek		
						Sheet: (#18)	


3 seat Chair

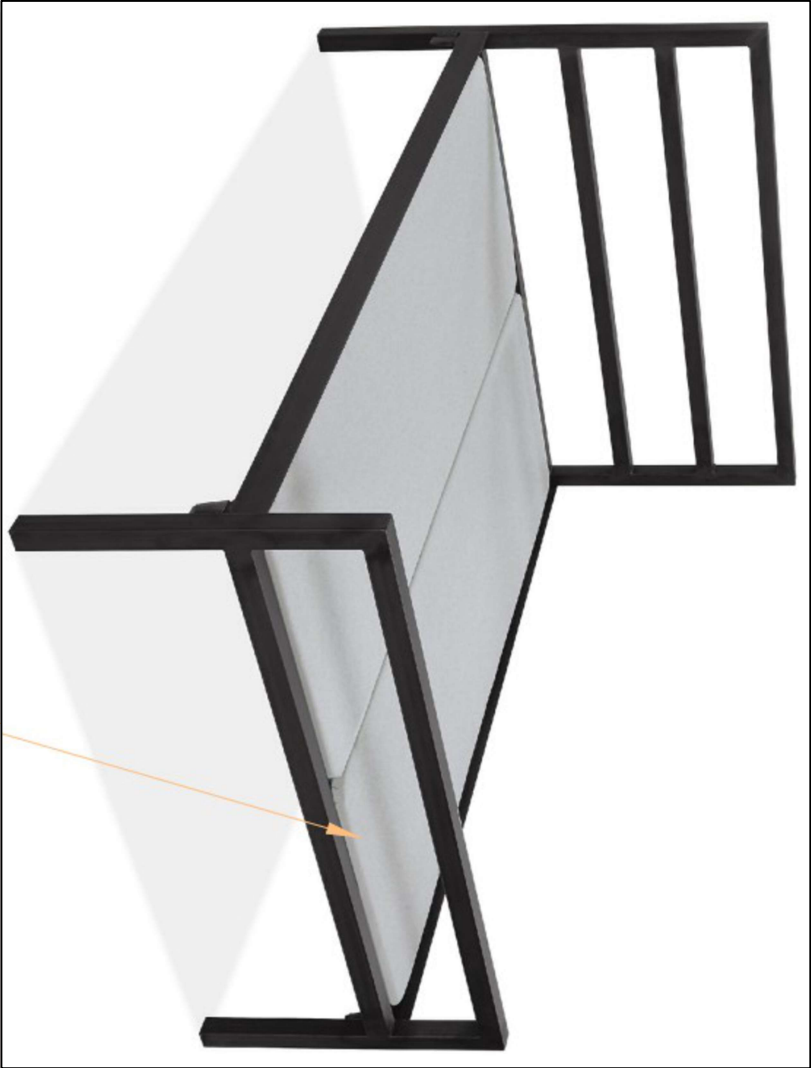


General Note : Apply to All  
(Durmehi,Sarbur, Dahanq,  
karocho)BHCs

17 Typical materials

Scale: NFS

		Department: Health		Province:	Herat	Drawing Title: typical materials Scale: as shown Measuring Scale: NFS Sheet: (#19)
International Rescue Committee Herat Afghanistan		Review By		District:	Adraskan	
Surveyed By	HRT-Engineering Team	Approved By		Village:	Karowcheh	
Designed By	HRT-Engineering Team					

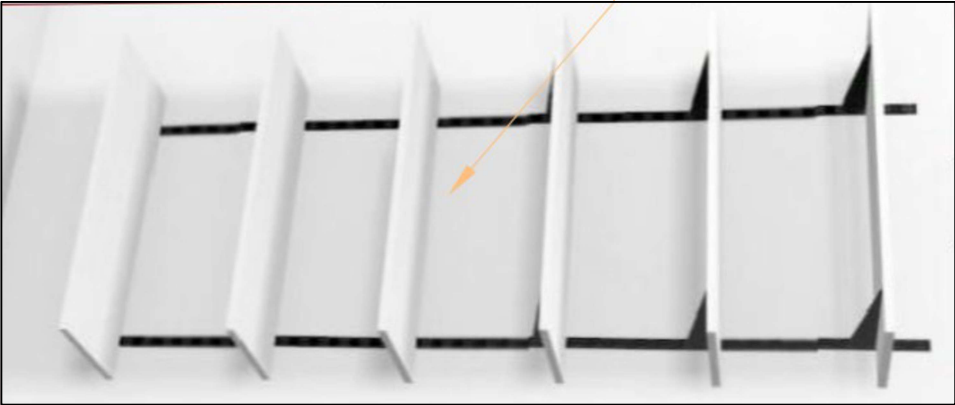


Metallic single Bed Size 220\*120 CM

Main Profile size 8\*4\*0.02 & inneral Profile 4\*4\*0.02 CM & 1.6CM MDF




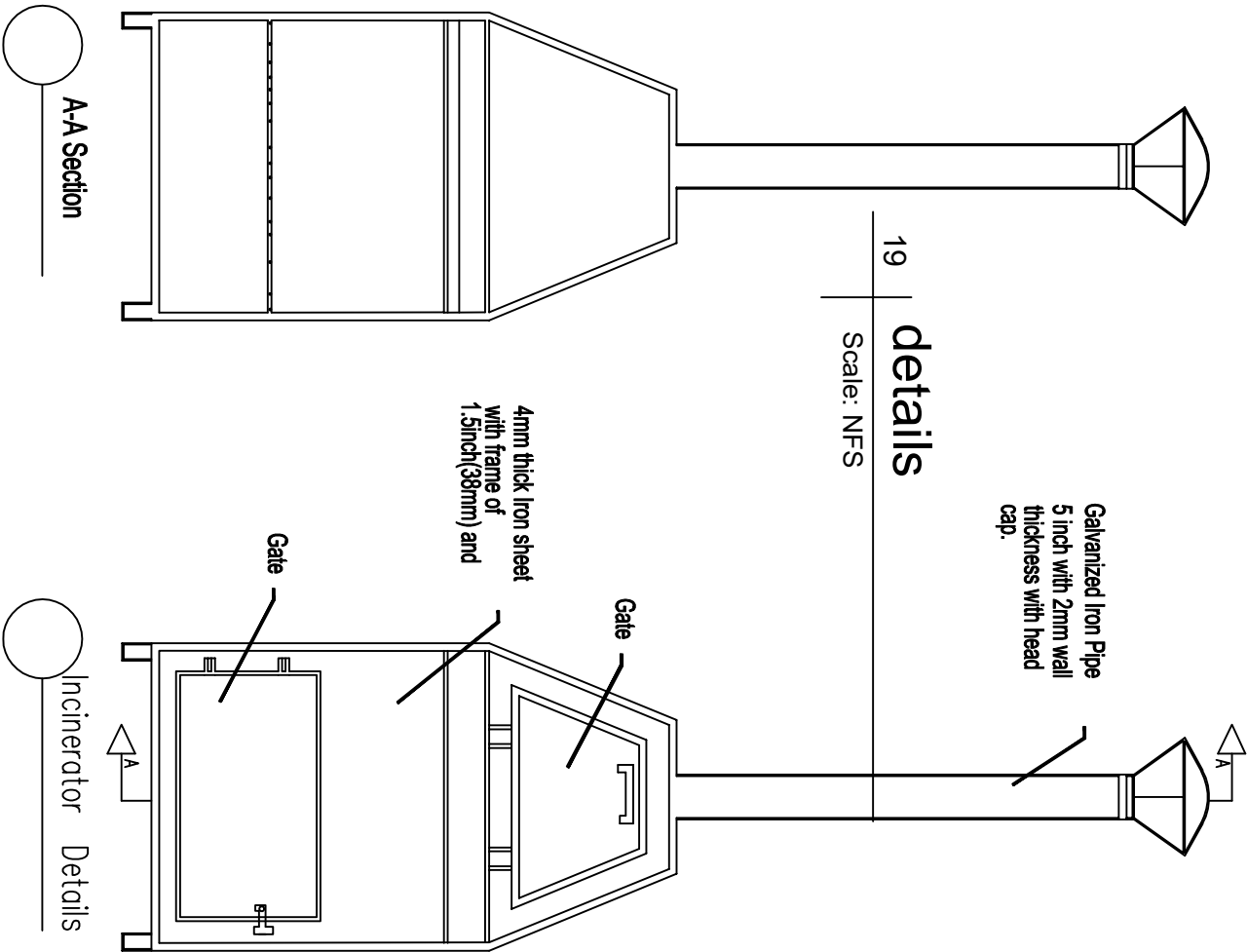
Fixed single side  
Stell shelf  
size:  
Hight: 200 CM  
Depth: 20 CM  
Width: 95 CM  
Every shelf Have 5  
layer



seat chairs with  
Pharmacy


Scale: NFS

		<b>International Rescue Committee</b> Herat Afghanistan		Department: Health		Province:	Herat	Drawing Title: seat chairs with Pharmacy	
Surveyed By	HRT-Engineering Team	Review By		District:	Adraskan	Scale: as shown Measuring Scale: NFS			
Designed By	HRT-Engineering Team	Approved By		Village:	Karowcheh	Sheet: (#20)			



19 details

Scale: NFS

			International Rescue Committee		Department: Health		Herat	Drawing Title:Details	
Herat Afghanistan			Surveyed By	HRT-Engineering Team	Review By		Adraskan	Scale: as shown Measuring Scale: NFS	
Designed By			HRT-Engineering Team		Approved By		Karowchek	Sheet: (#21)	