

Site Plan

NRC Primary School



Road

River



Ministry of
Education Dep.
of Construction
Standard
School
Design in
Afghanistan

Surveyed by:
Eng Nazar Mohammad Wahidi
Drawn by:
Eng Nazar Mohammad Wahidi

Designed by:
MoE-Engineering
Department

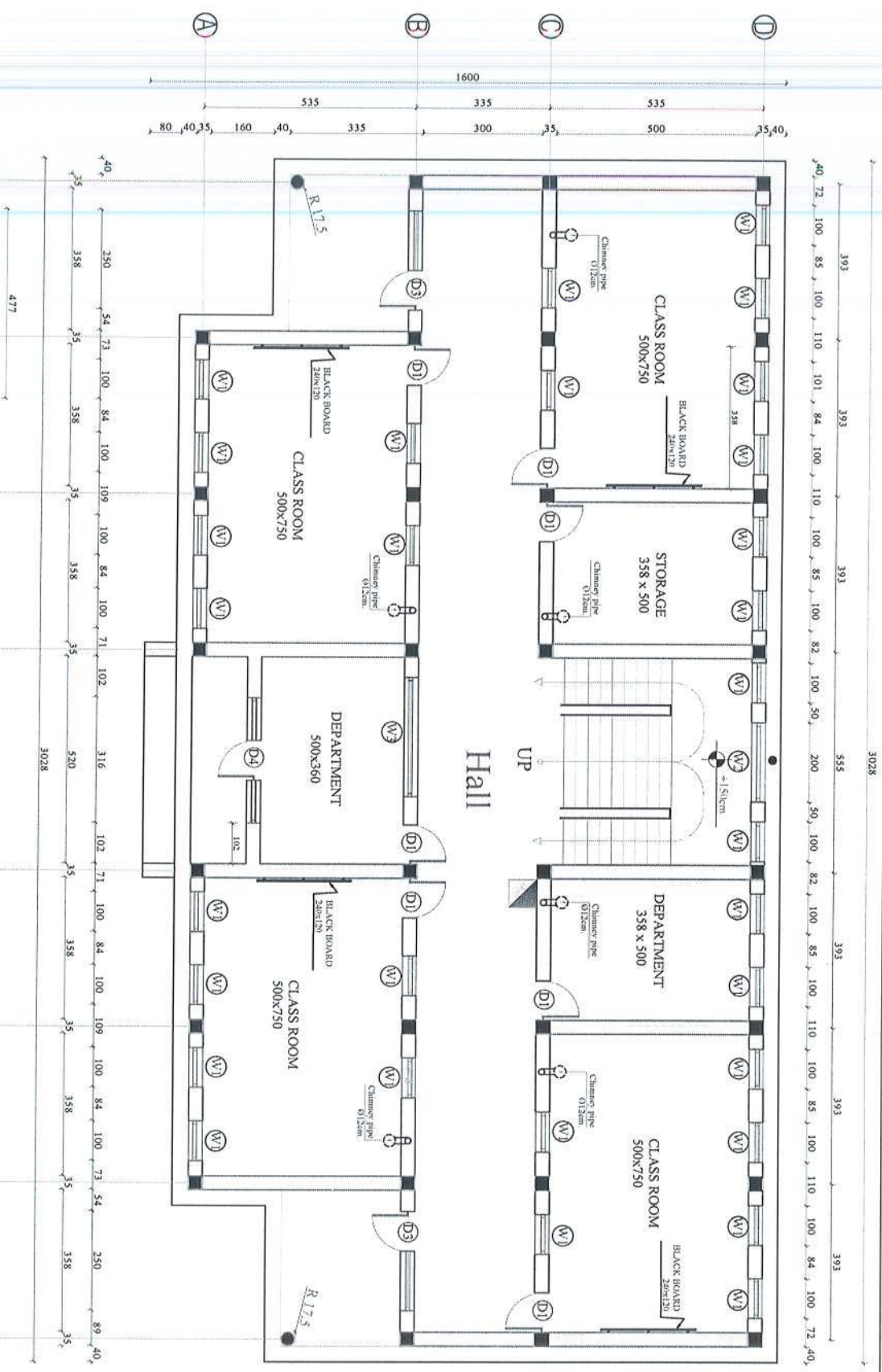
Sheet No. 01
Approved by:
Funded by:

DoE Khost
UNHCR


Proj. Location

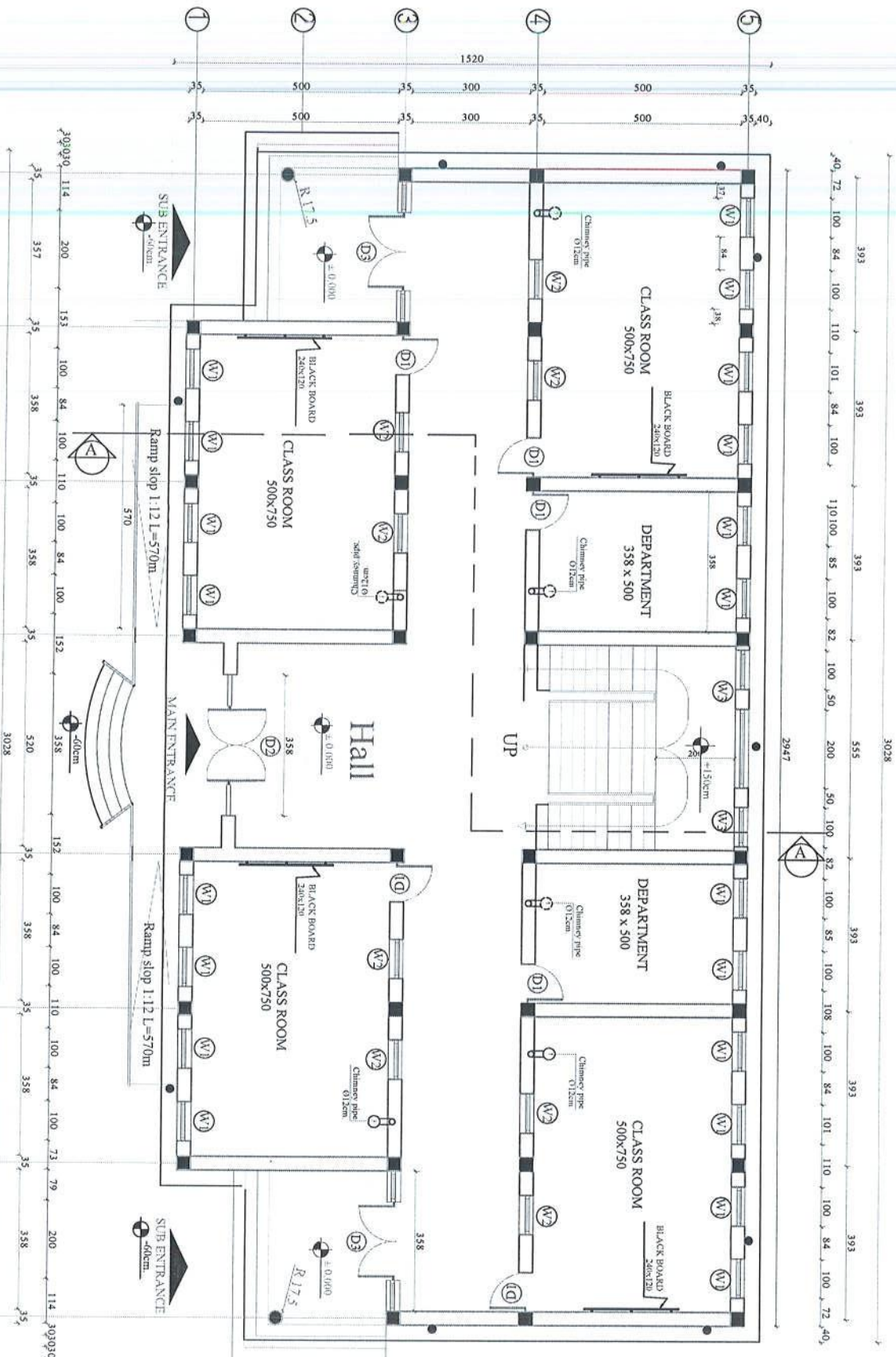
Province
District
Village
Khost
Gurbuz
GRC





First Floor Plan

		Ministry of Education Department of Construction	
Standard School Design in Afghanistan		Surveyed by: Eng. Nazar Mohammad Wahidi	
Drawn by: Eng. Nazar Mohammad Wahidi		Designed by: MoE-Engineering Department	
Sheet No. 02 34		Approved by: DoE Khost	
Funded by: UNHCR		Proj. Location	
Province: Khost		District: Gurbuz	
Village: GRC			



Ground Floor Plan



Ministry of Education
Standard School Design in Afghanistan

Surveyed by:
Eng Nazir Mohammad Wahidi

Designed by:
MoE-Engineering Department

Approved by:
Doe Khost

Proj. Location

Province

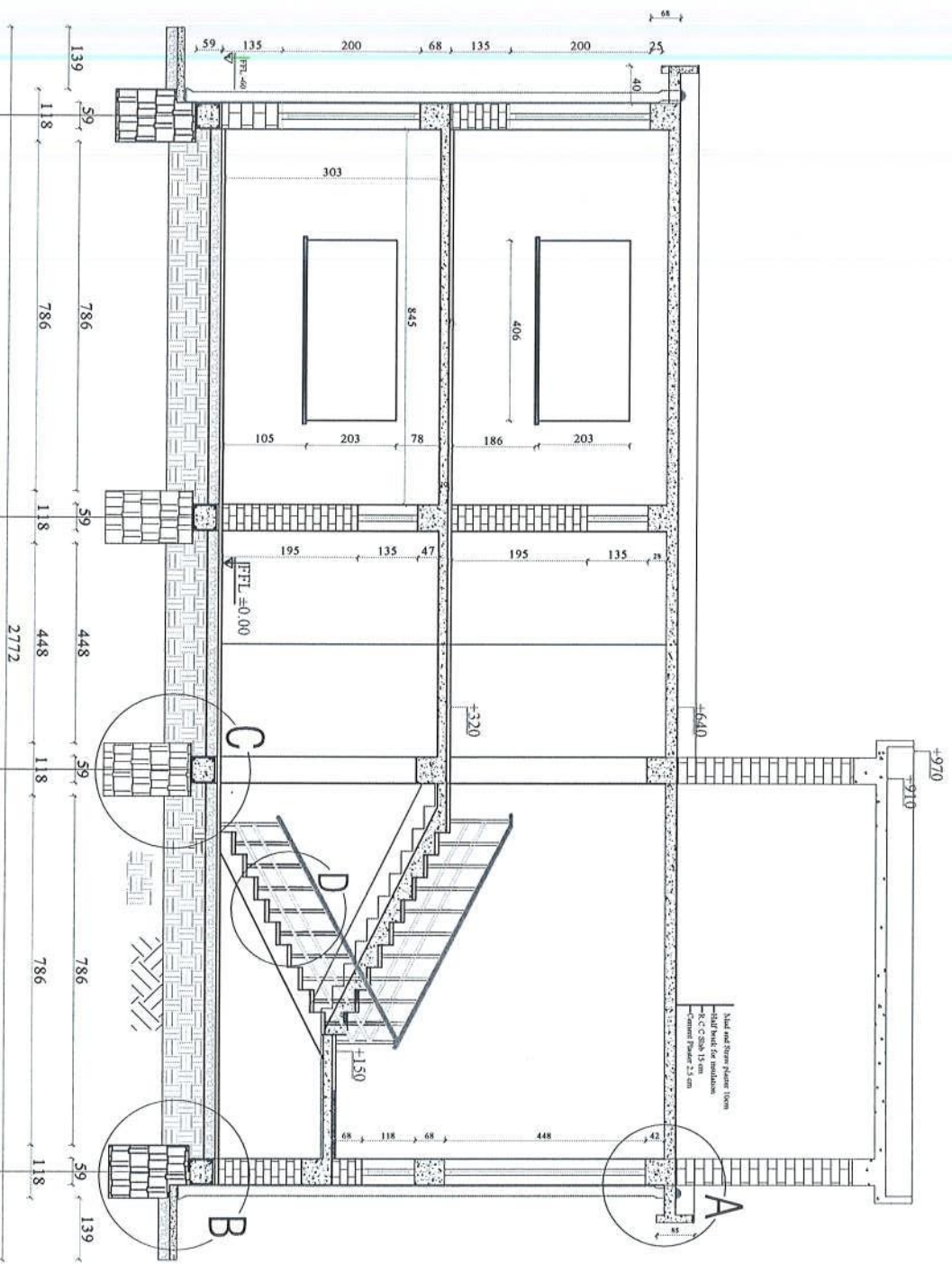
District

Village


Khost

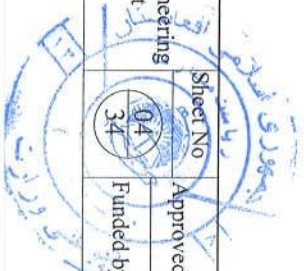
Gurbuz

GRC



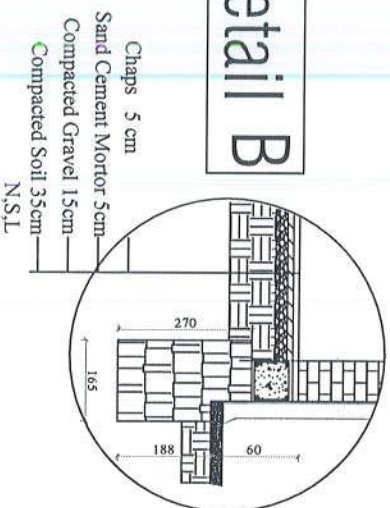
Section A-A

	Ministry of Education Dep. of Construction of Afghanistan	Standard School Design in Afghanistan	Surveyed by:	Eng. Nazar Mohammad Wahidi	Designed by:	MoE-Engineering Department	<div>Sheet No</div> <div>04</div> <div>34</div>	Approved by:	DoE Khost	Proj. Location	Province District Village	Khost Gurbuz GRC
			Drawn by:	Eng. Nazar Mohammad Wahidi				Funded by:	UNHCR			

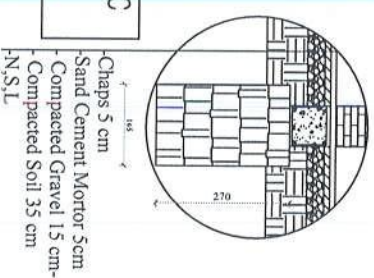


Staircase and Handrailing detail

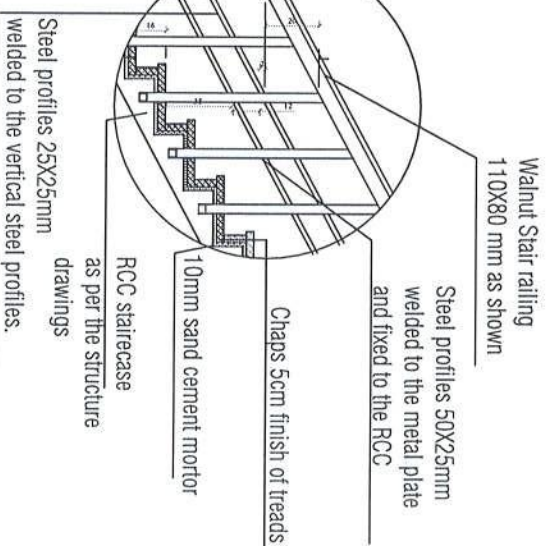
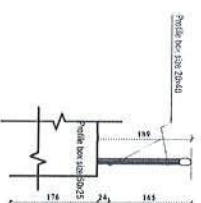
Detail B



Detail C




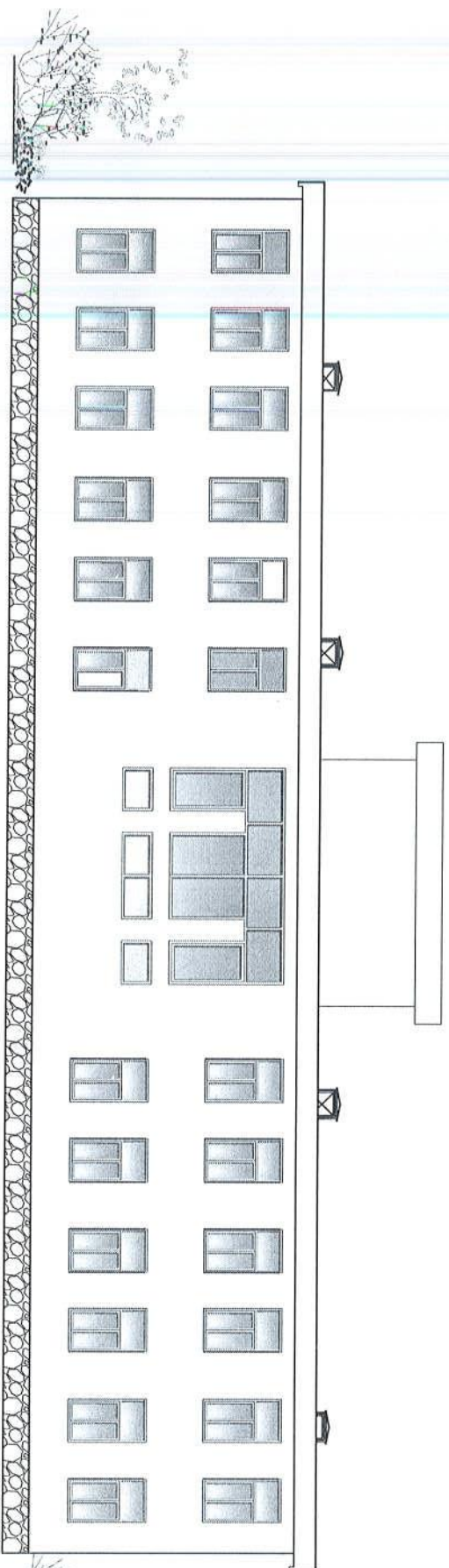
Plan of Stair Railing




Detail D

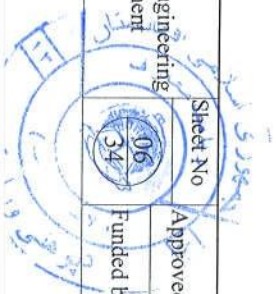


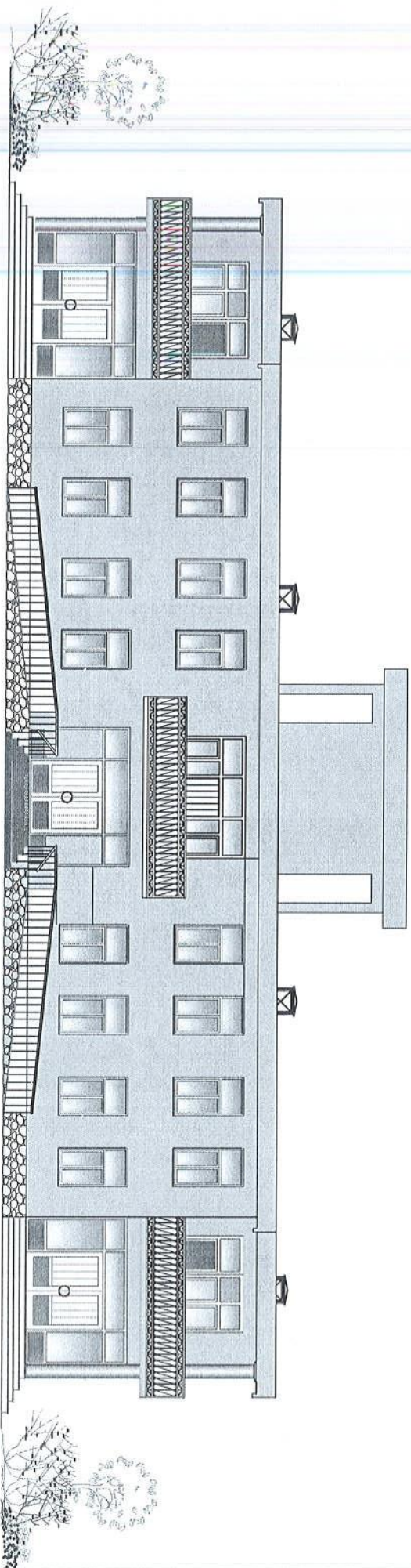
	Ministry of Education Dep. of Construction	Standard School Design in Afghanistan	Surveyed by:		Eng Nazar Mohammad Wahidi	Designed by:	MoE Engineering Department	Sheet No 05 34	Approved by:		DoE Khost	Proj. Location	Province District Village	Khost Gurbuz GRC
			Drawn by:						Funded by:					
			Eng Nazar Mohammad Wahidi											




Back Elevation

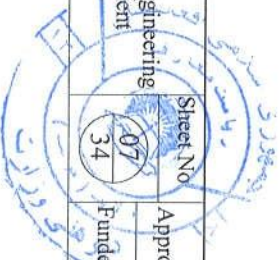
	Ministry of Education Dep. of Construction	Standard School Design in Afghanistan	Surveyed by: <div> <div>Drawn by:</div> </div>	Eng Nazar Mohammad Wahidi Eng Nazar Mohammad Wahidi	Designed by:	MoE-Engineering Department	Sheet No 06 34	Approved by:	DoE Khosi UNHCR	Proj. Location	Province District Village	Khosi Gurbuz GRC
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Front Elevation

		Ministry of Education Dep. of Construction		Standard School Design in Afghanistan		Surveyed by:		Eng. Nazar Mohammad Wahidi		Designed by:		MoE-Engineering Department		Sheet No. 07/34		Approved by:		DoE Khosi		Proj. Location		Province		Khosi	
						Drawn by:		Eng. Nazar Mohammad Wahidi								Funded by:		UNHCR				District		Gurbuz	
																						Village		GRC	





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MoE-Engineering
Department

Sheet No.

Approved by:

DoE Khost

Funded by:

UNHCR

Proj. Location

Province
District
Village

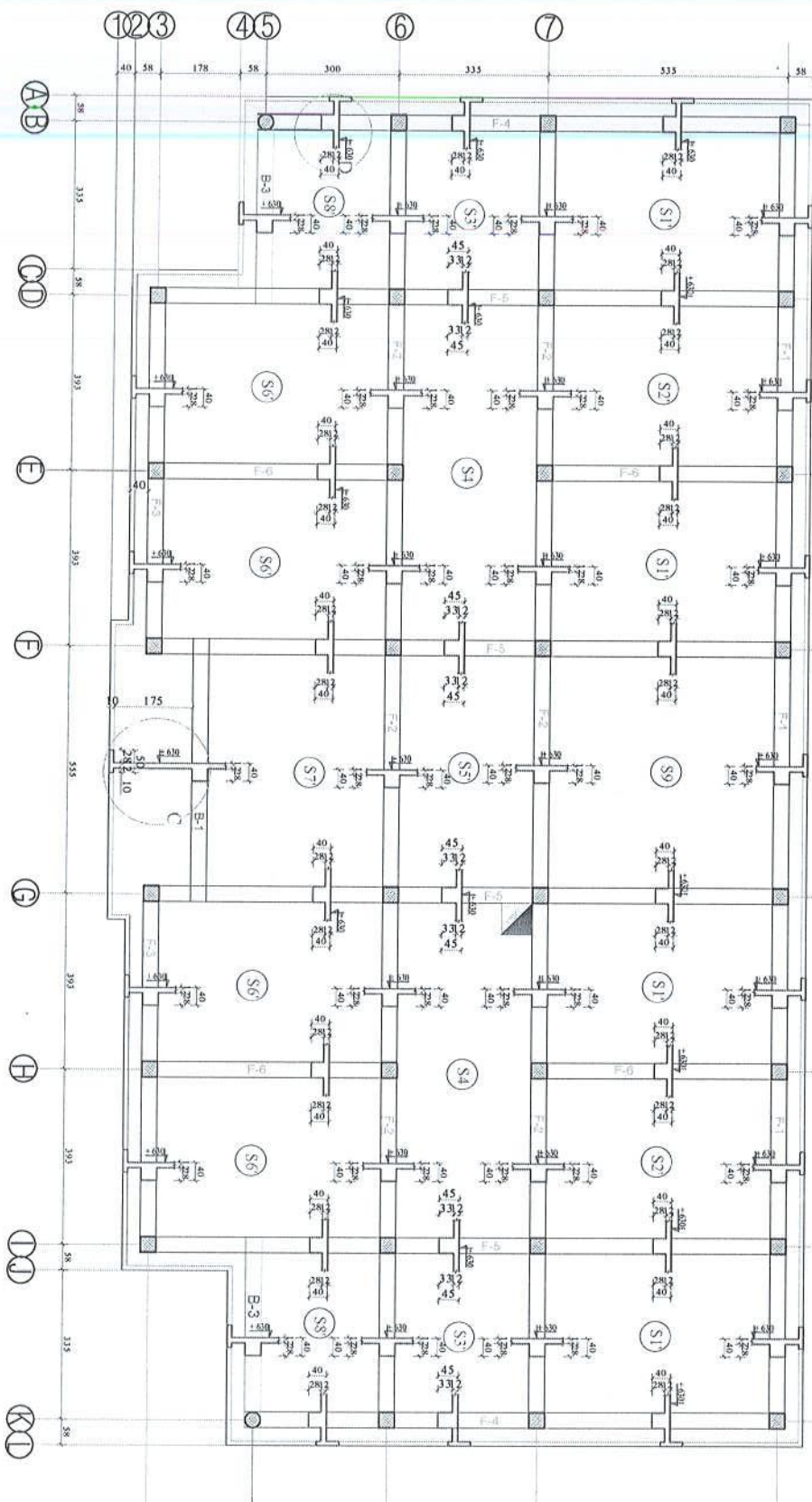
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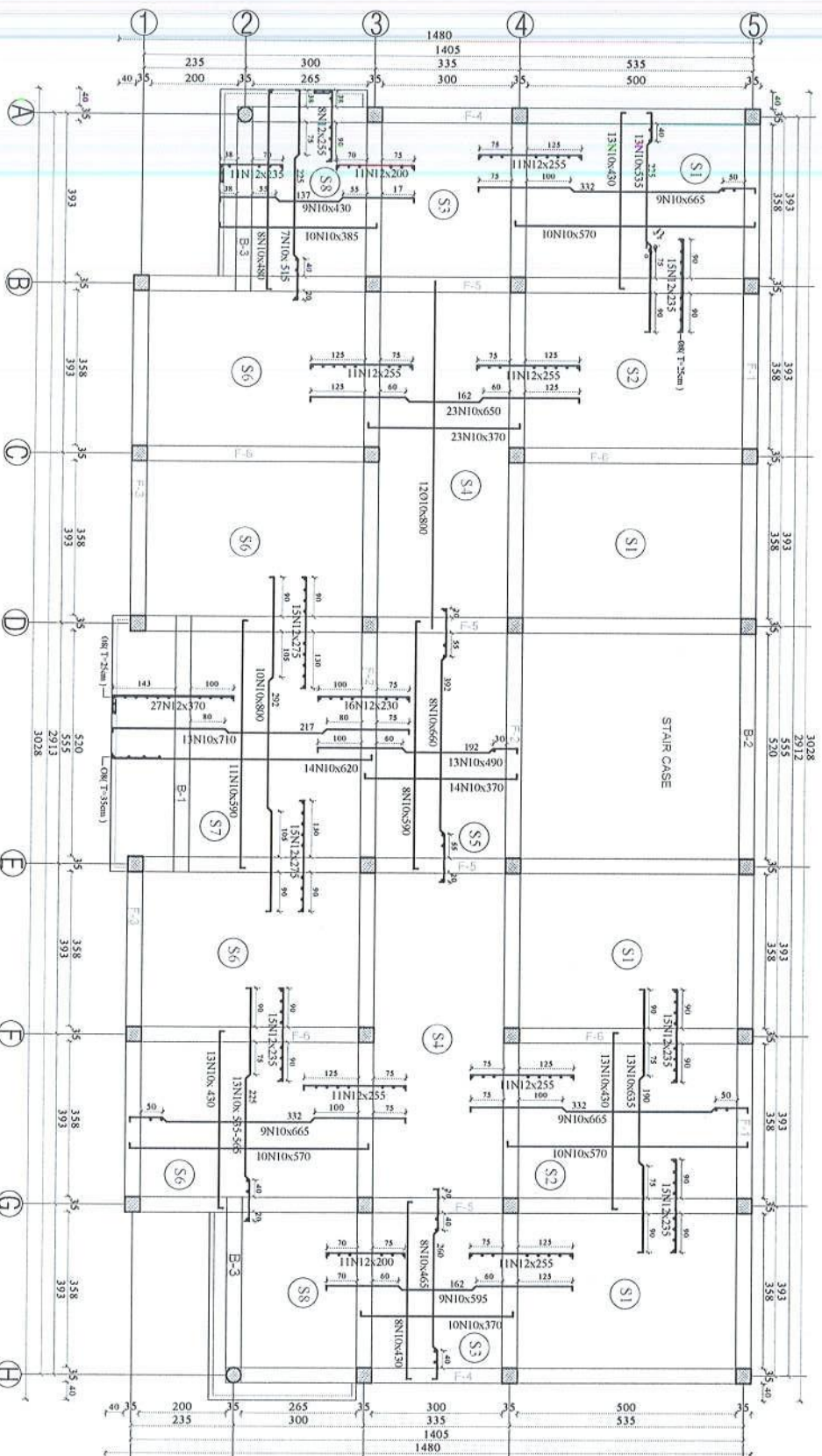
Gutubz

GRC


9 GRID LINE

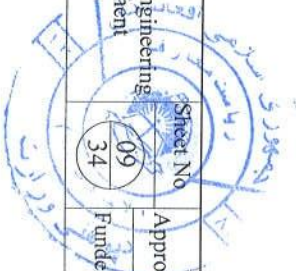
12 GRID LINE





GROUND FLOOR SLAB BAR BENDING

 Ministry of Education Dep. of Construction	Standard School Design in Afghanistan	Surveyed by: Eng. Nazar Mohammad Wahidi	Drawn by: Eng. Nazar Mohammad Wahidi	Designed by: MoE-Engineering Department	Sheet No. 09	Approved by: DoE Khost	Proj. Location Province District Village	Khost Gurbuz GRC
					Funded by: UNHCR			





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Department

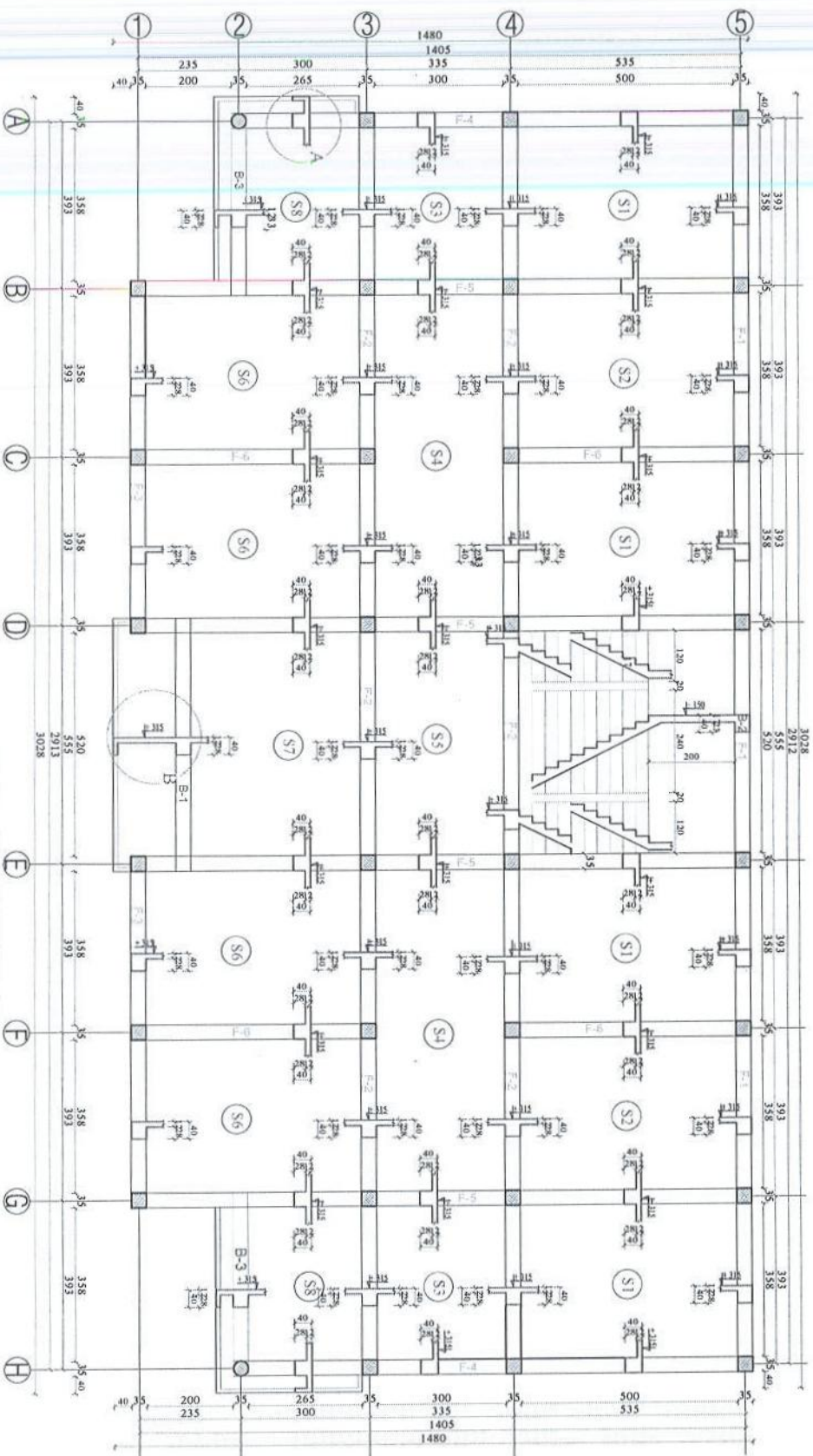
Sheet No
10
34

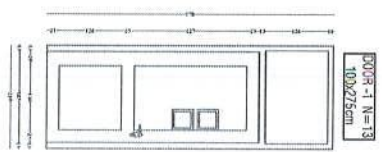
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Funded by: UNHCR

Proj. Location
Province
District
Village

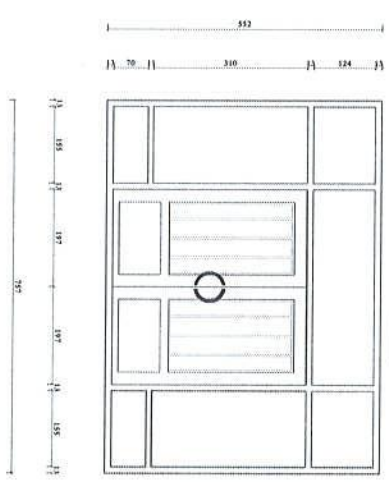
Khost
Gurbuz
GRC

SHUTTERING PLAN FOR GROUND FLOOR SLAB

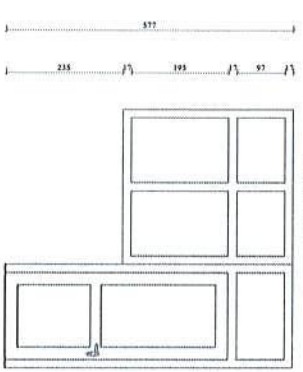




DOOR-1 N=13
100x275cm

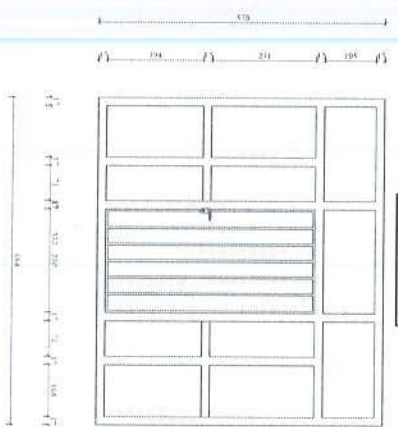


DOOR WINDOW-2 N=3
350x275cm

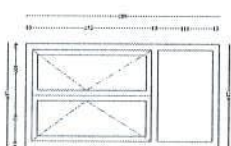


DOOR WINDOW-3 N=11
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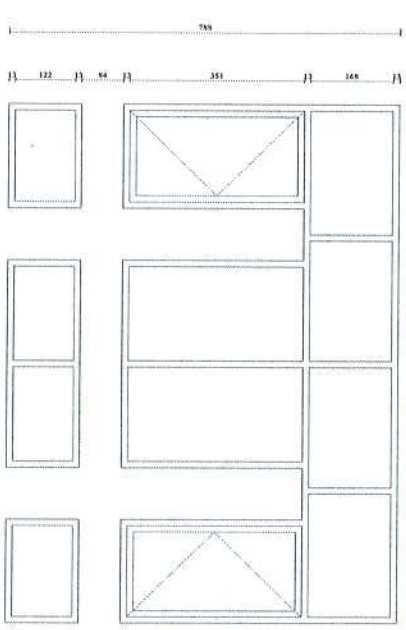
DOOR WINDOW-4 N=1
316x275cm



WINDOW-1 N=60
100x185cm



WINDOW-2 N=2
500x375cm



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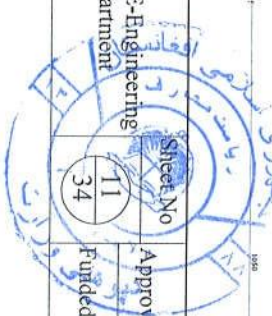
Designed by:
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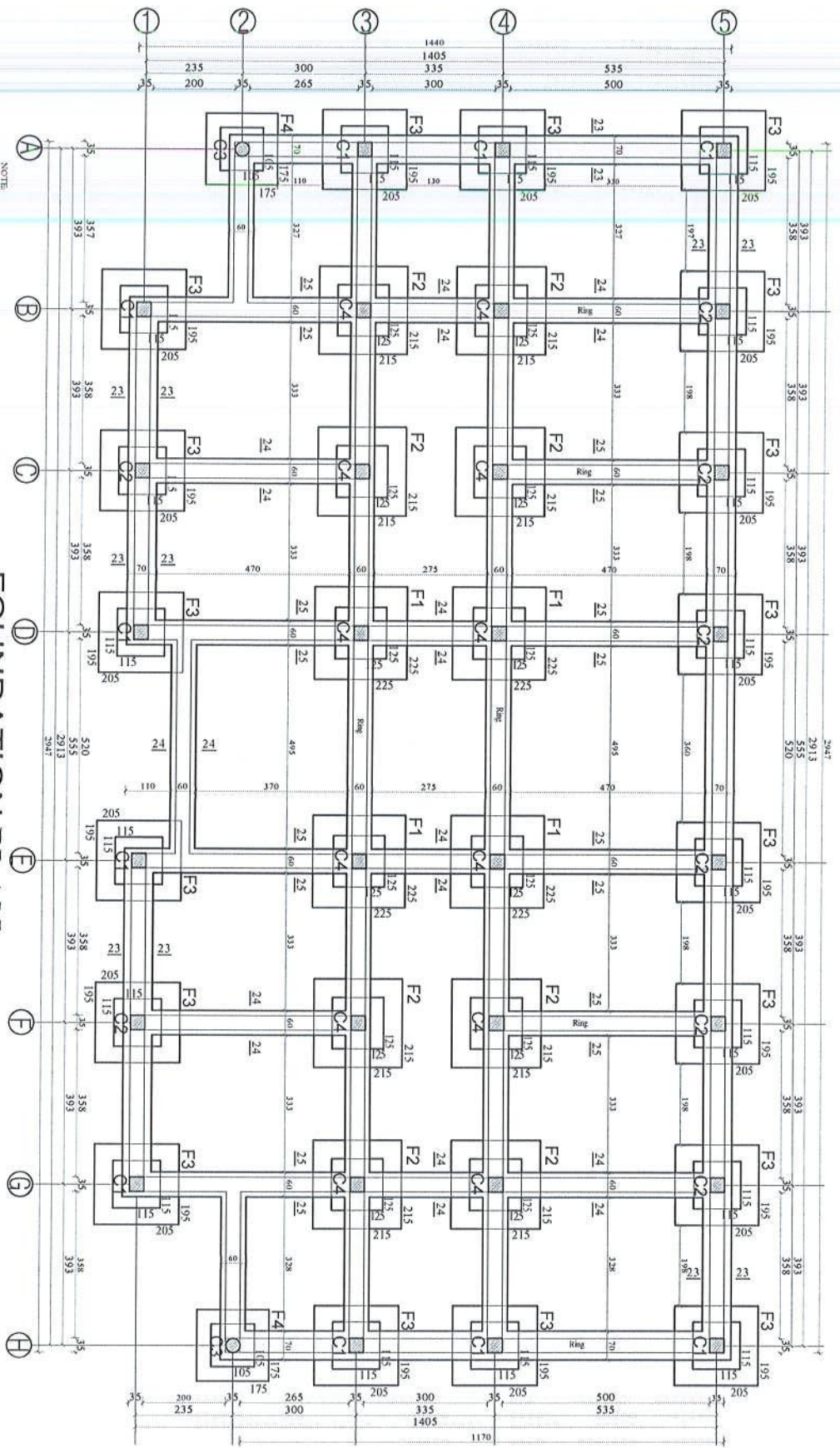
Approved by:
DoE Khost

UNHCR

Province
District
Village


Khost
Gurbuz
GRC

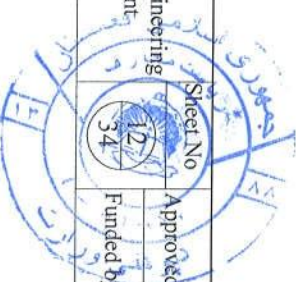




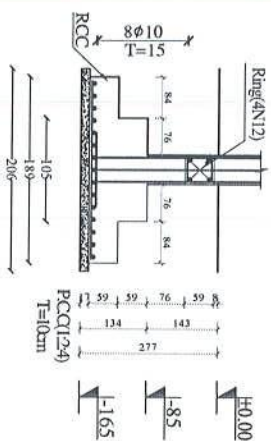
NOTE:
 1. BASE ON SOIL THAT RESULT THE SAFE BEARING CAPACITY OF SOIL HAS BEEN ASSUMED AS 4.25 kg/cm² AT FOUNDATION LEVEL.
 2. CONCRETE FOR ALL REINFORCED ELEMENTS WILL BE OF RATIO (1:1.5:3) AND CIRCULAR STRENGTH OF 200 kg/cm² AFTER 28 DAYS.
 3. REINFORCEMENT GRADE: 1 MILD STEEL HAVING YIELD STRESS OF 240 kg/cm² AND 2 DEFORMED BARS HAVING MINIMUM YIELD STRESS OF 200 kg/cm² THAT SHOWN BY (S).
 4. REINFORCEMENT GRADE: 1 MILD STEEL HAVING YIELD STRESS OF 240 kg/cm² AND 2 DEFORMED BARS HAVING MINIMUM YIELD STRESS OF 200 kg/cm² THAT SHOWN BY (S).
 5. P.C.C. FE 150 (1:2:4).

FOUNDATION PLAN

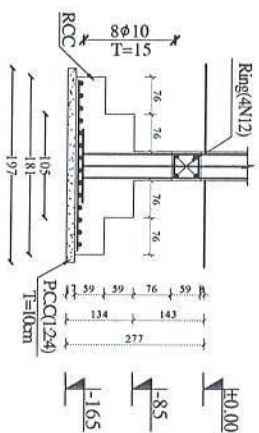
 Ministry of Education Dep. of Construction	Standard School Design in Afghanistan	Surveyed by:	Eng. Nazar Mohammad Wahidi	Designed by:	MoE-Engineering Department	Sheet No 12 34	Approved by:	DoE Khost	Proj. Location	Province	District	Village
		Drawn by:	Eng. Nazar Mohammad Wahidi				Funded by:	UNHCR				



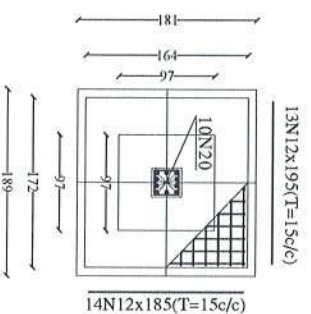
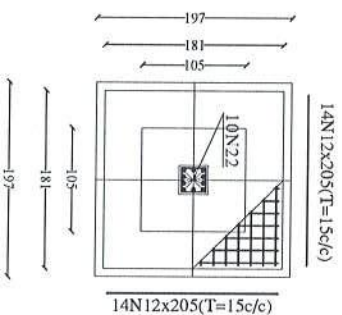
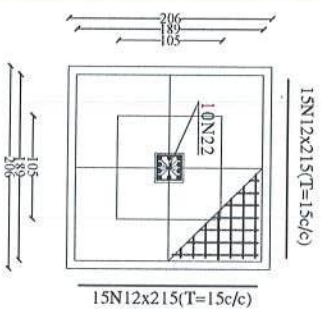
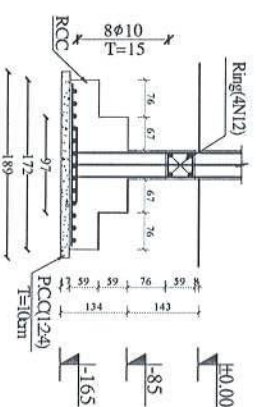
F-1(4Nrs)



F-2(8Nrs)



F-3(18Nrs)

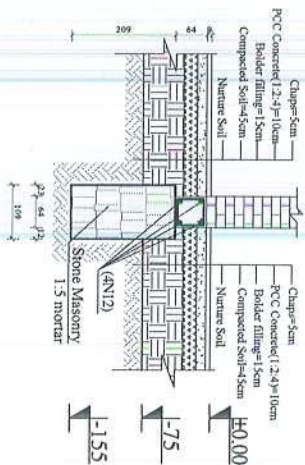


FOUNDATION DETAILS

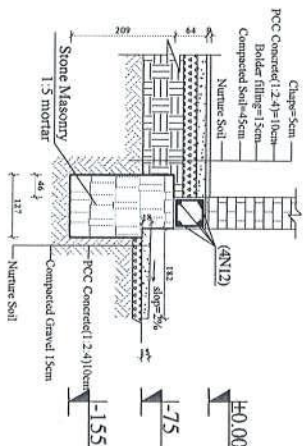


Ministry of Education Dep. of Construction		Standard School Design in Afghanistan		Surveyed by:	Eng Nazar Mohammad Wahidi	Designed by:	MoE-Engineering Department	Sheet No	15	Approved by:	DoE Khost	Proj. Location	Province	Khost
				Drawn by:	Eng Nazar Mohammad Wahidi				34	Funded by:	UNHCR		District	Gurbuz
													Village	GRC

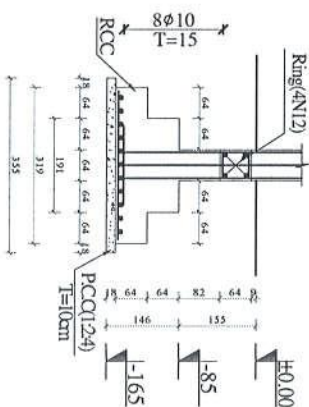
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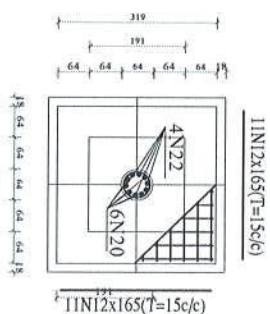
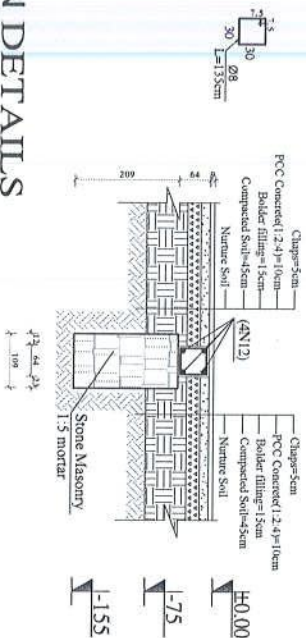
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F-4(2Nrs)

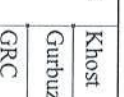


SEC: 24-24

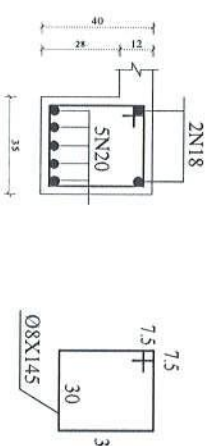
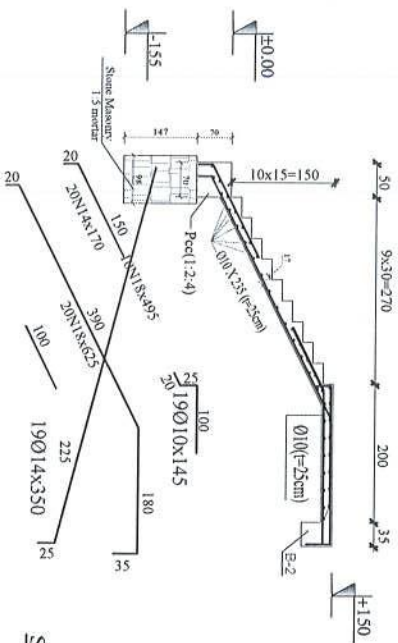
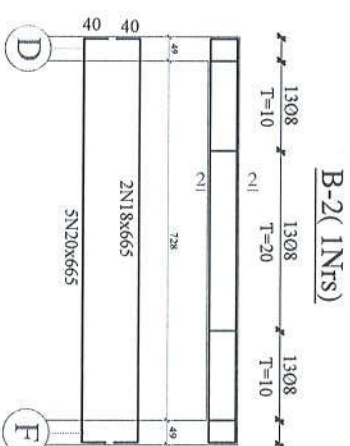
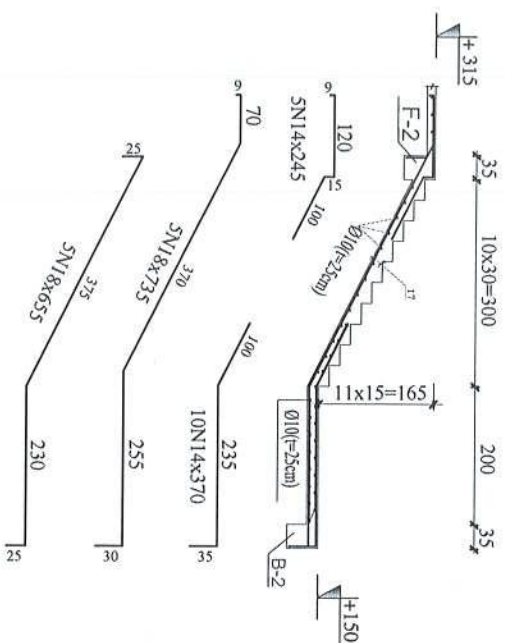


FOUNDATION DETAILS

	Ministry of Education Dep. of Construction	Standard School Design in Afghanistan	Surveyed by:	Eng Nazar Mohammad Wahidi	Designed by:	MoE-Engineering Department	Sheet No 14/34	Approved by:	DoE Khost	Funded by:	UNHCR	Proj. Location	Province	District	Village	Khost	Gurbuz	GRC
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COLUMNS

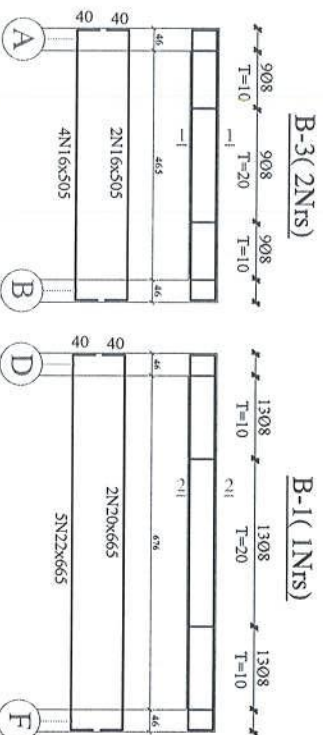


SEC: 2-2

STAIR BAR BENDING

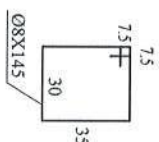
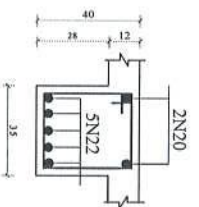
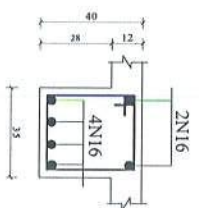


Ministry of Education Dep. of Construction	Standard School Design in Afghanistan	Surveyed by:		Designed by:	MoE-Engineering Department	Sheet No 16 34	Approved by:	DoE Khosht	Proj. Location	Province District Village	Khost Gurbuz GRC
		Eng Nazar Mohammad Wahidi									
		Eng Nazar Mohammad Wahidi									
		UNHCR									



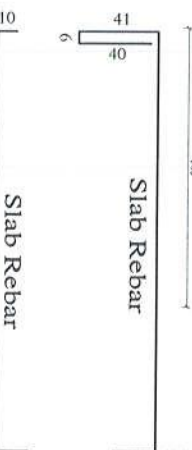
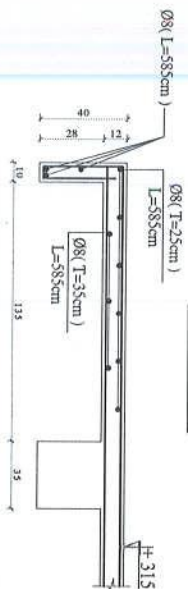
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SEC: 2-2



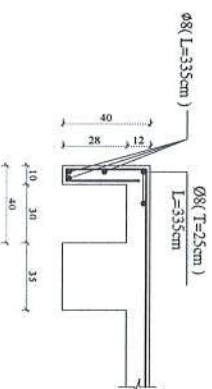
Slab Steel Bar

DETAIL-B

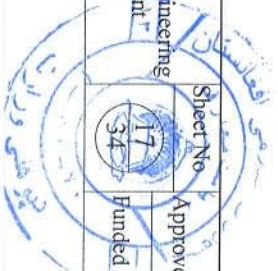


Slab Rebar

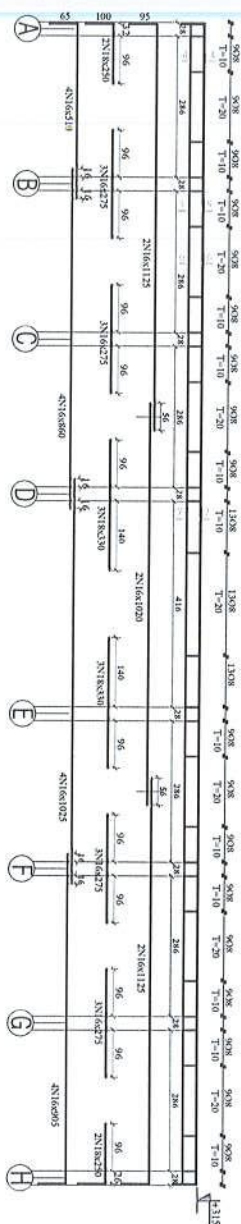
DETAIL-A



Ministry of Education Dep. of Construction	Standard School Design in Afghanistan	Surveyed by:	Eng Nazar Mohammad Wahidi	Designed by:	MoE-Engineering Department	Sheet No 17	Approved by:	DoE Khost	Proj. Location	Province District Village	Khost Gurbuz GRC
		Drawn by:	Eng Nazar Mohammad Wahidi								



F-1(INRS)

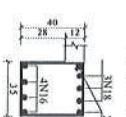
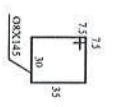
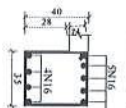
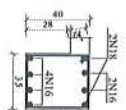


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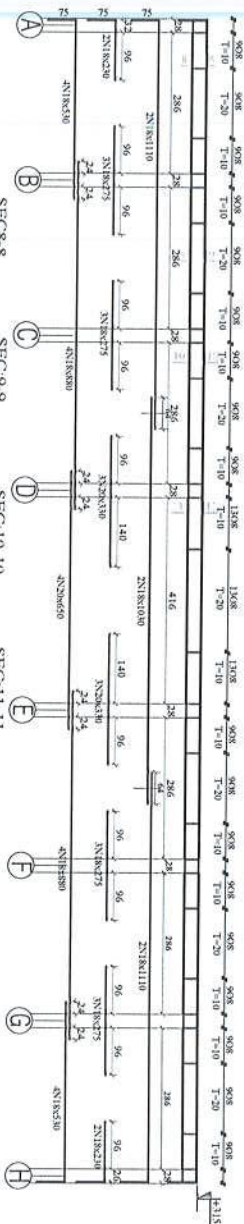
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SEC:6-6

SEC:7-7



F-2(2NRS)

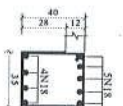
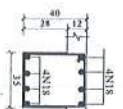


SEC:8-8

SEC:9-9

SEC:10-10

SEC:11-11



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Designed by:

MoE-Engineering
Department

Sheet No
18
34

Approved by:

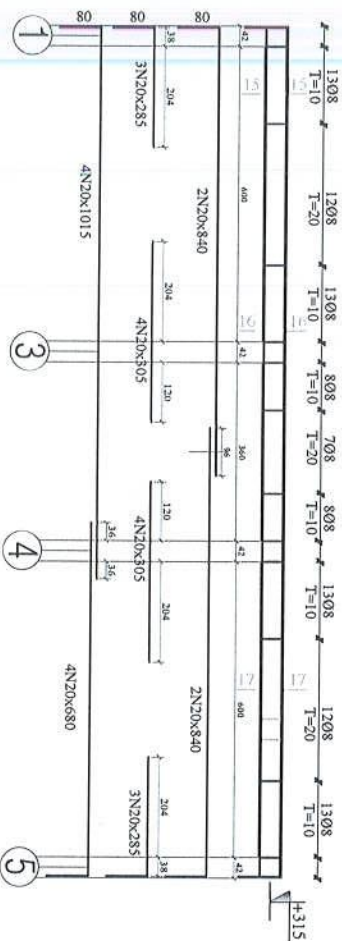
DoE Khost
UNHCR

Proj. Location

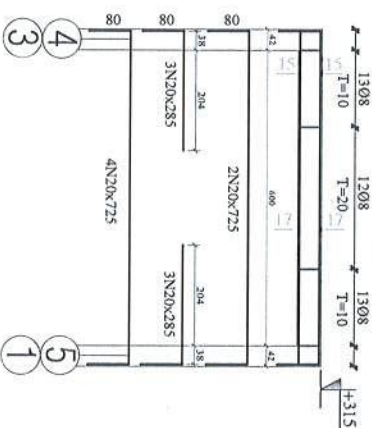
Province
District
Village

Khost
Gurbuz
GRC

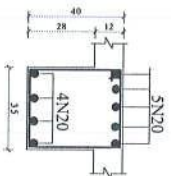
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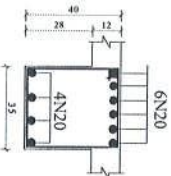
F-6(4Nrs)



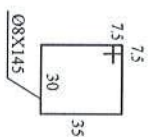
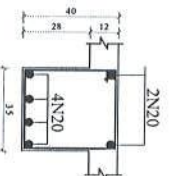
SEC:15-15



SEC:16-16



SEC:17-17



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MoE-Engineering
Department

Sheet No
20

Approved by:

DoE Khost

Funded by:

UNHCR

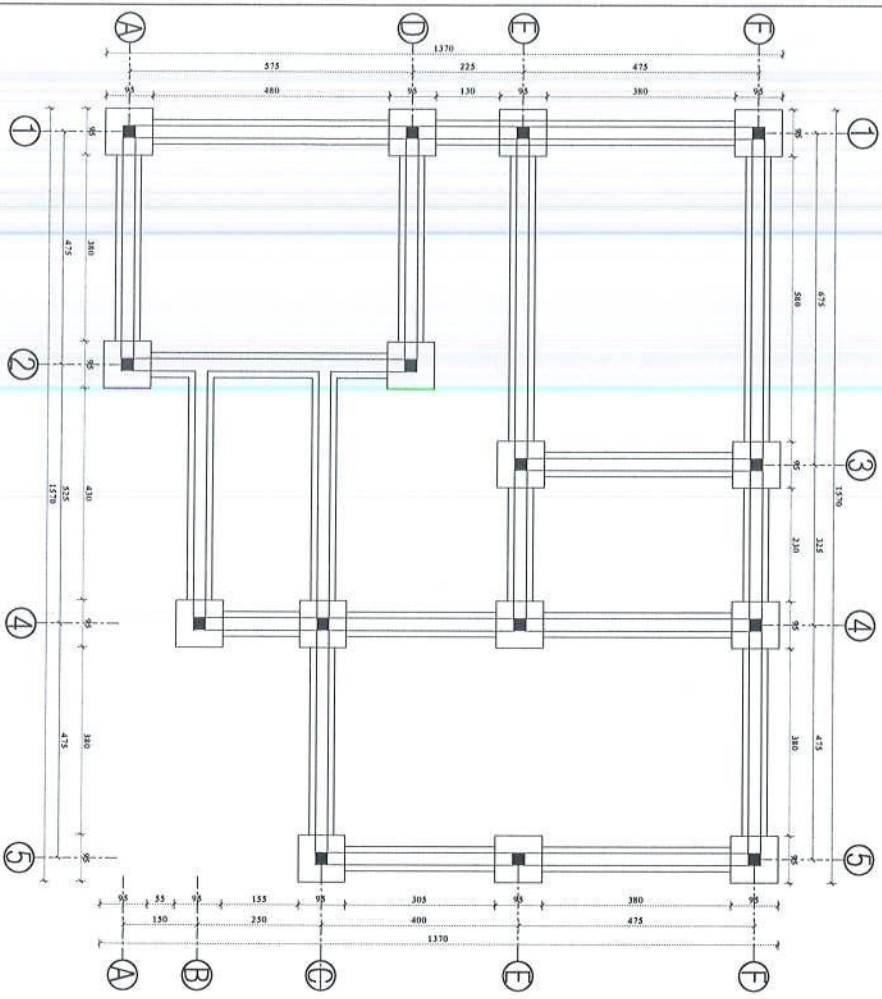
Proj. Location

Province
District

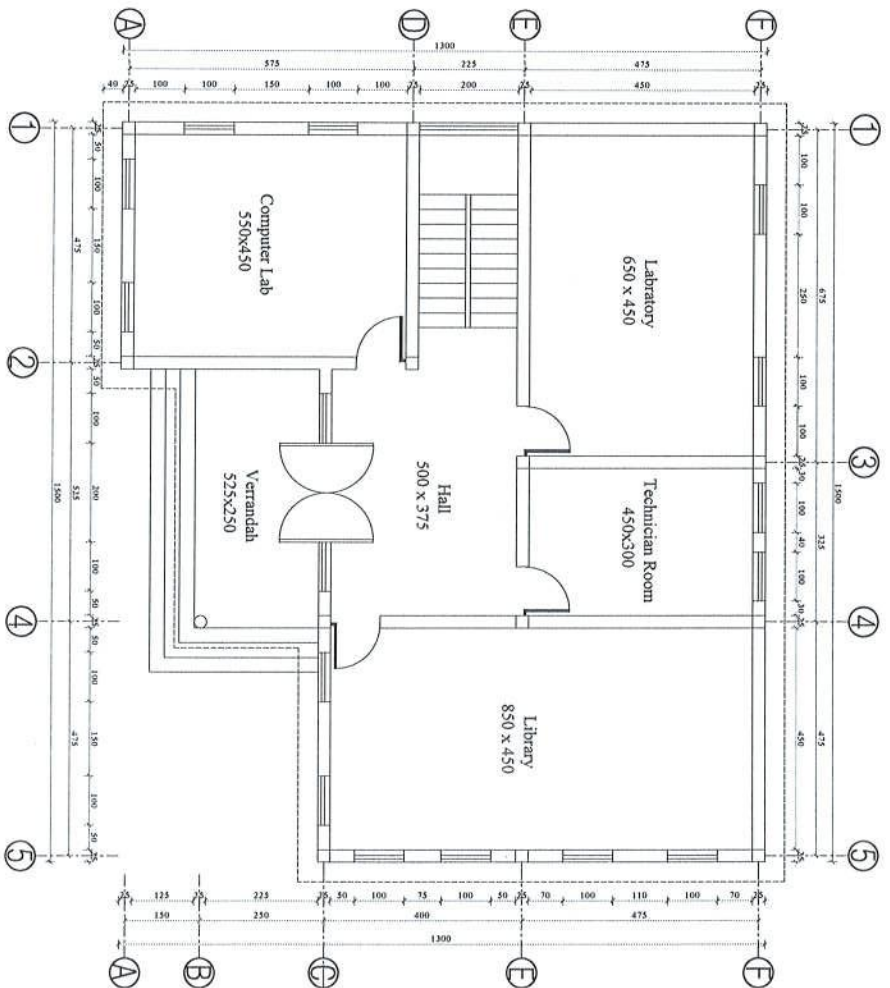
Khost
Gurbuz

Village


GRC



Foundation Plan



Ground Floor Plan

 Ministry of Education Dep. of Construction	Standard School Design in Afghanistan	Surveyed by:	Eng Nazar Mohammad Wahidi	Designed by:	Nazar Mohammad Wahidi	Sheet No	Approved by:	DoE Khost	Proj. Location	Province	Khost
		Drawn by:	Eng Nazar Mohammad Wahidi			21 34				Funded by:	UNHCR
										Village	GRC



Ministry of
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Standard
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Eng Nazar Mohammad Wahidi

Drawn by:

Eng Nazar Mohammad Wahidi

Designed by:

Nazar Mohammad
Wahidi

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Approved by: Doe Khost

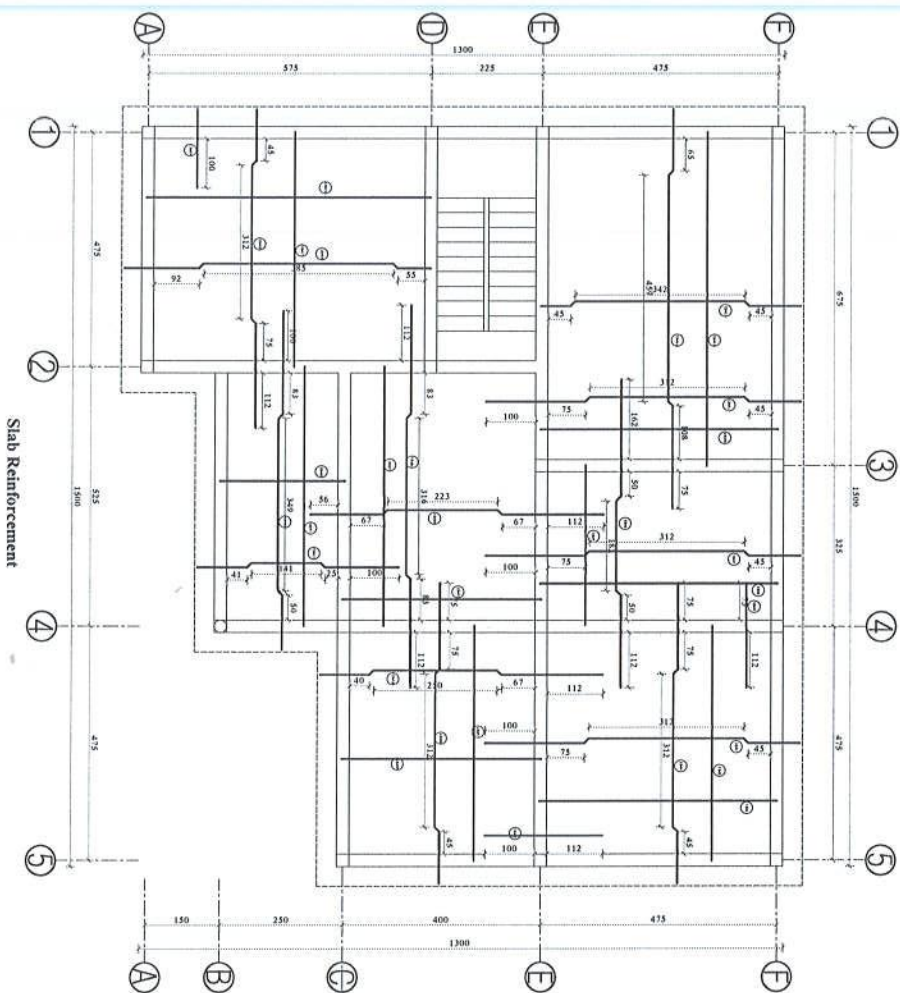
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Proj. Location

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District
Village

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Gurbuz
GRC

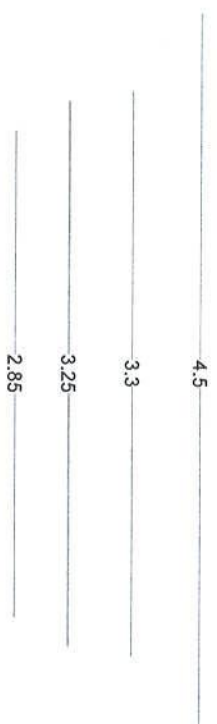


Slab Reinforcement

Slab Reinforcement Table

Slab No	Slab Form	%	Length (mm)	Width (mm)	Weight (kg)
SB1	42	4.20	120	12	80.87
SB2	40	6.40	120	12	113.84
SB3	42	4.20	120	12	80.87
SB4	40	6.40	120	12	109.48
SB5	30	2.10	120	12	40.96
SB6	20	4.20	120	12	59
SB7	37	6.20	120	12	77.66
SB8	40	6.30	120	12	113.49
SB9	41	3.20	120	12	60.60
SB10	57	4.20	120	12	112.12
SB11	15	6.40	120	12	46.53
SB12	42	6.40	120	12	108.48
SB13	42	6.20	120	12	124.47
SB14	40	6.40	120	12	149.36
SB15	41	5.20	120	12	107.24
SB16	40	6.40	120	12	113.84
SB17	40	4.20	120	12	96.88
SB18	47	6.20	120	12	113.57
SB19	150	1.80	120	12	21.12
SB20	44	2.00	120	12	48.84
SB21	42	4.20	120	12	84.96
SB22	32	6.20	120	12	97.90
SB23	20	6.40	120	12	113.84
SB24	42	6.20	120	12	117.02
SB25	44	4.80	120	12	74.88
SB26	34	7.80	120	12	117.76
SB27	33	5.20	120	12	74.88
SB28	40	5.20	120	12	102.48
SB29	41	4.80	120	12	74.88
SB30	32	4.20	120	12	67.20
SB31	34	4.20	120	12	71.71
Total Weight					3404.49

Plan of Over Head Water Tank



0.6



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Eng Nazar Mohammad Wahidi

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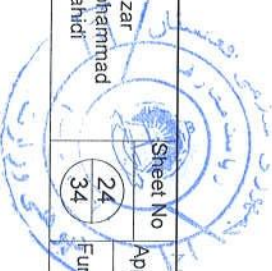
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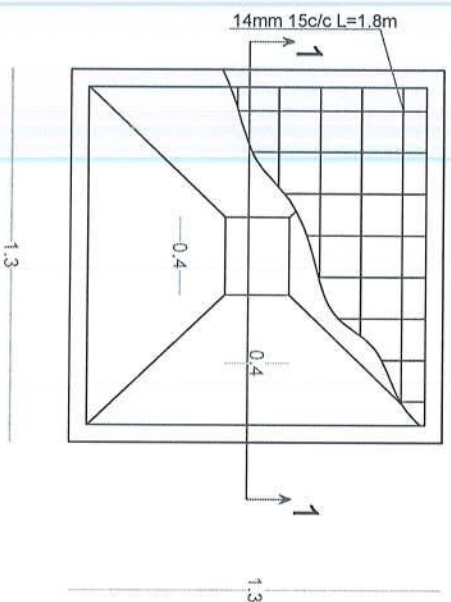
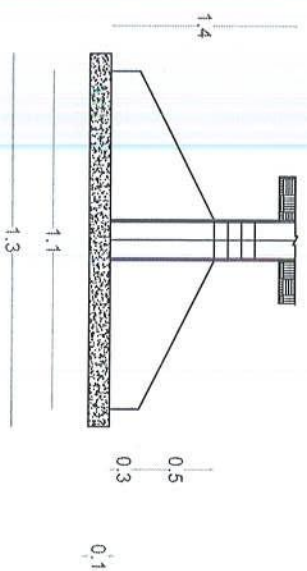
DOE Khost
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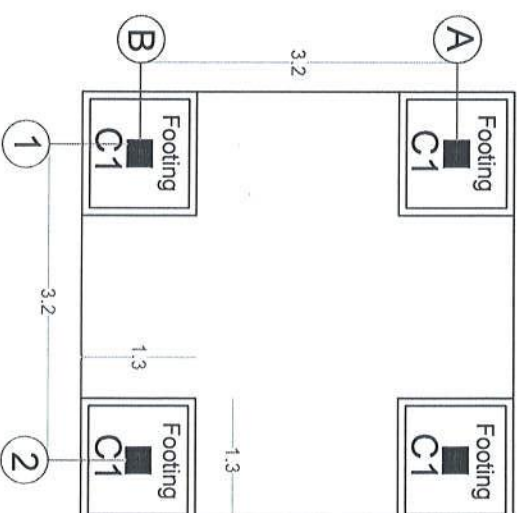
Province
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Sec (1-1)



Foundation Plan



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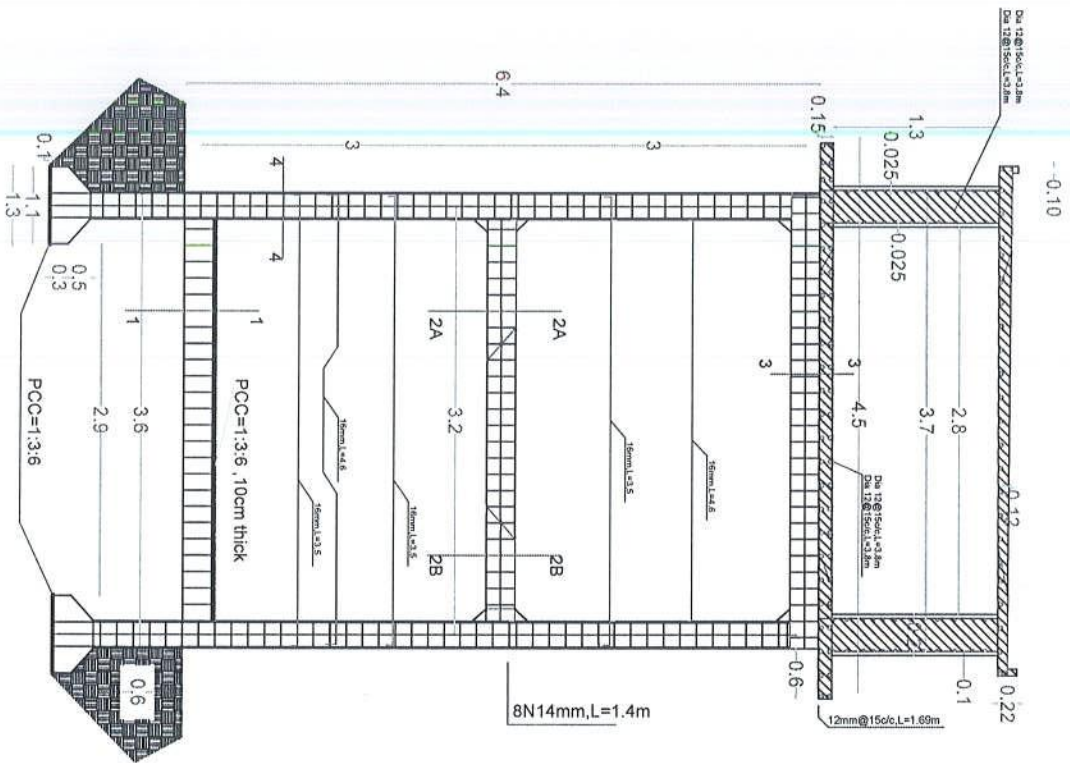
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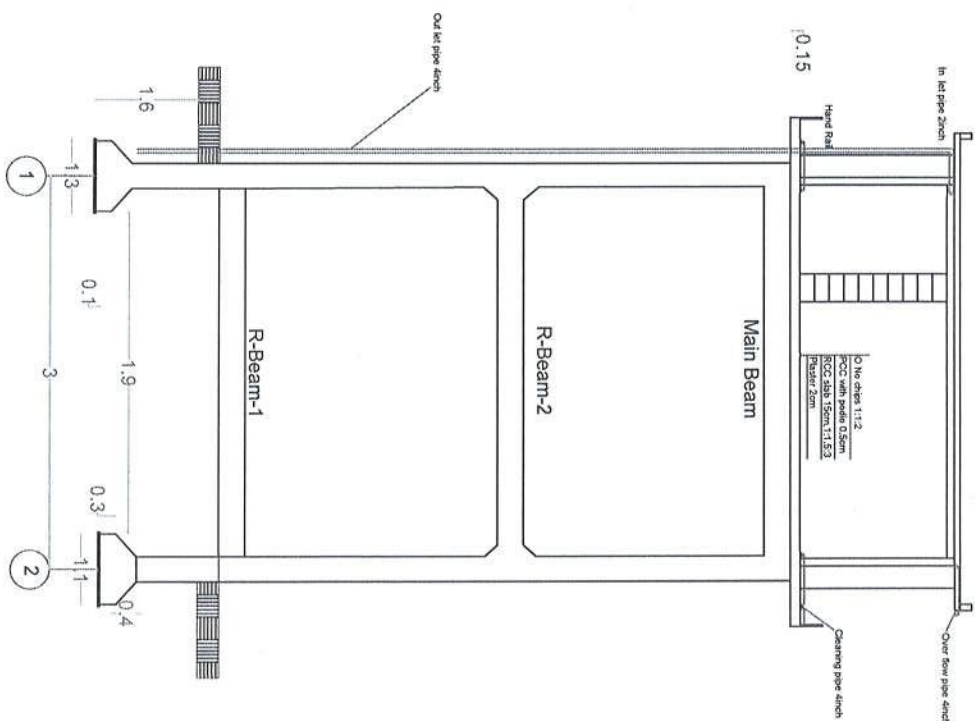
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8N16mm, L=3.65m 8N16mm, L=3.65m 8N16mm, L=4.2m



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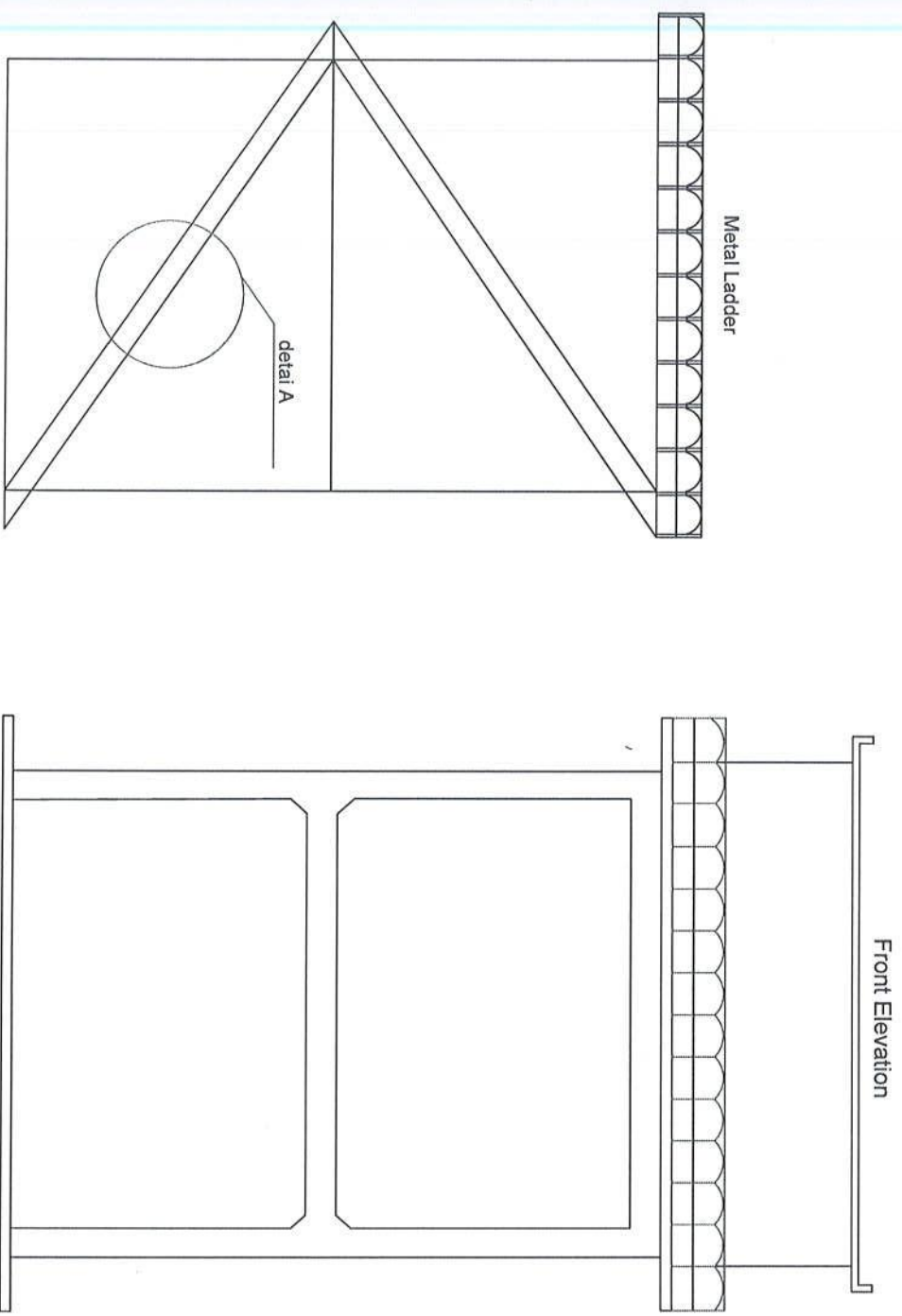
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Front Elevation

Metal Ladder

detail A



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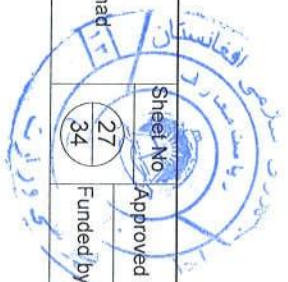
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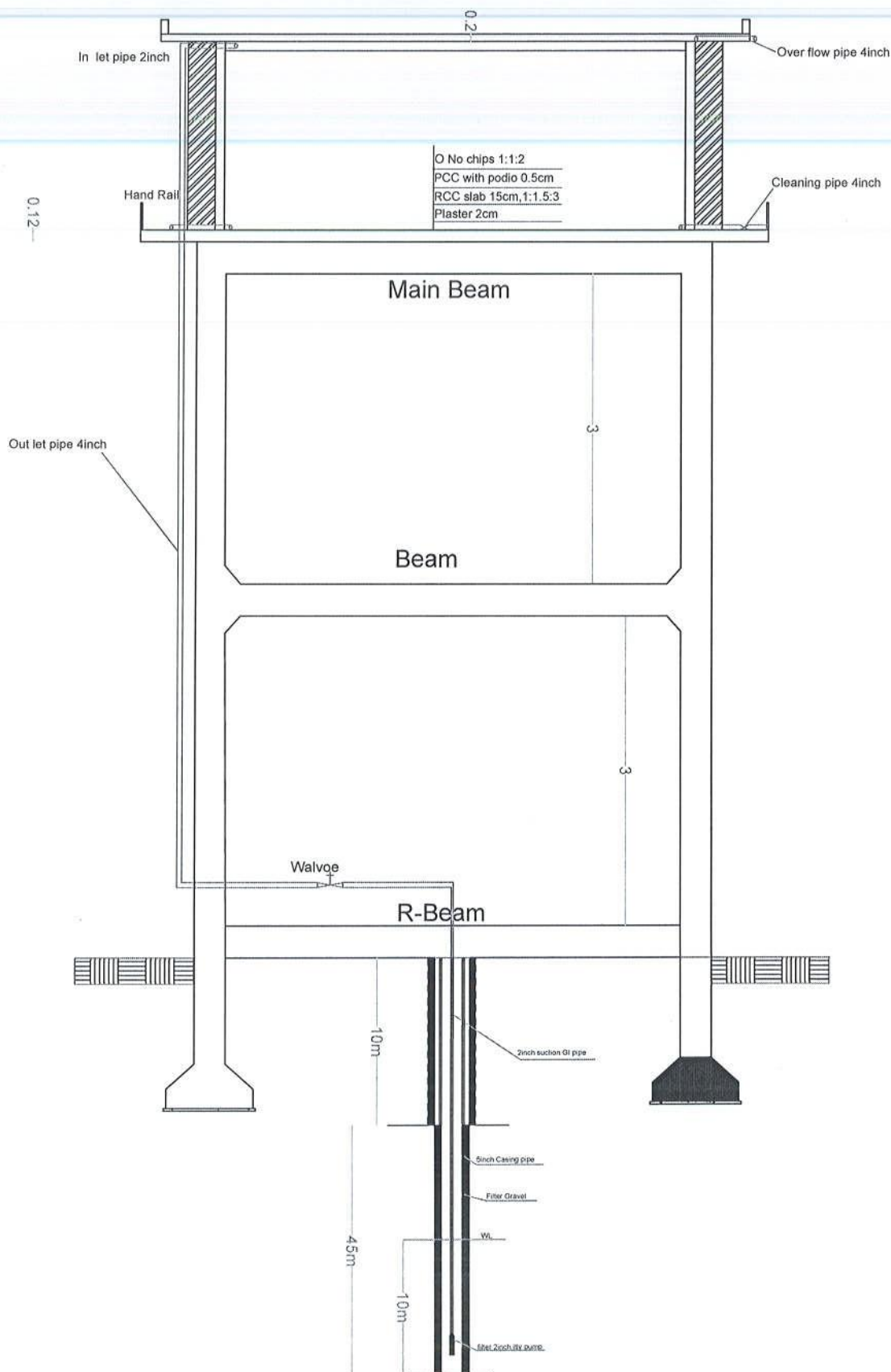
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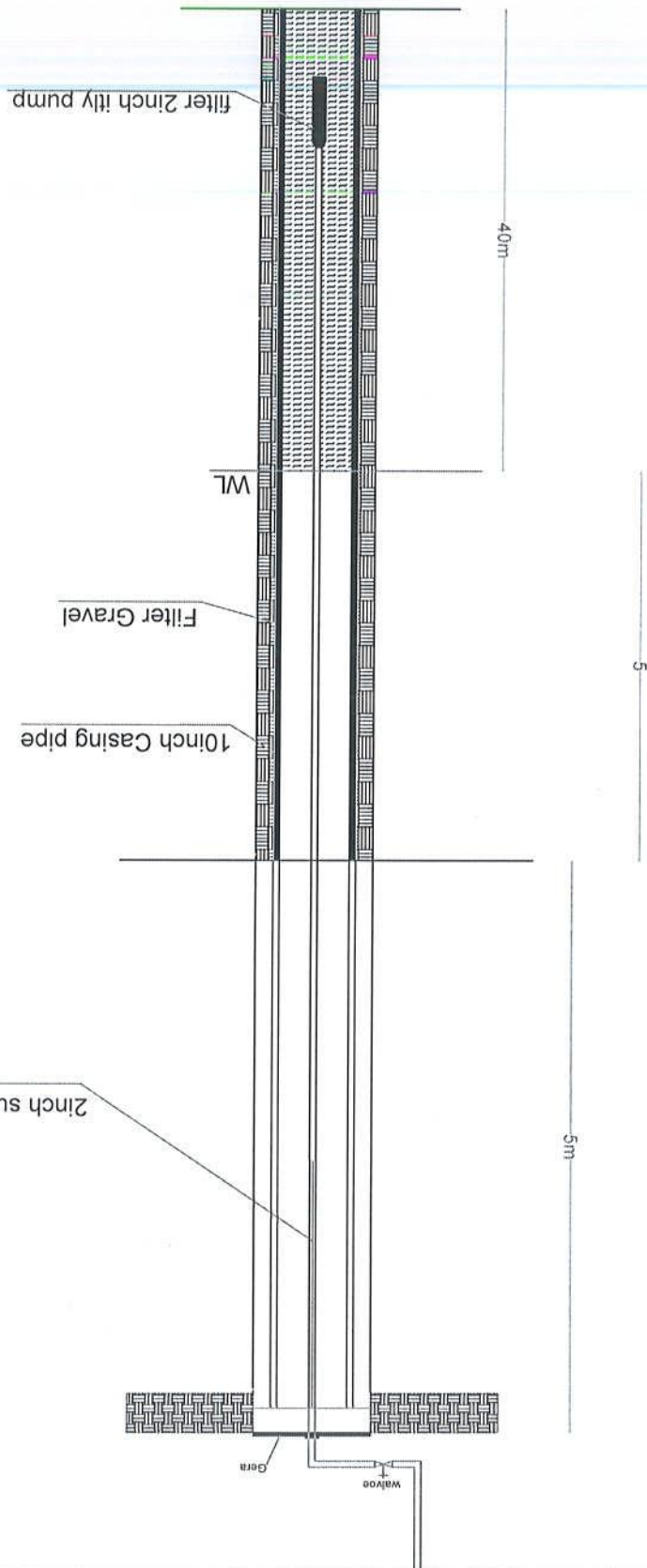
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Village	GRC



Existing well profile



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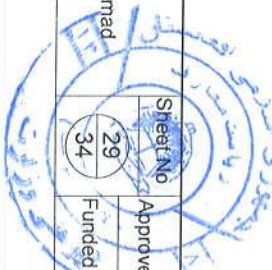
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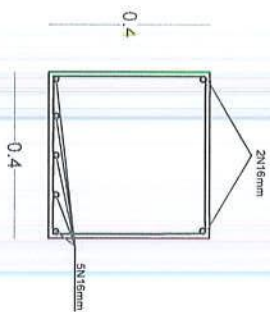
Province

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Village

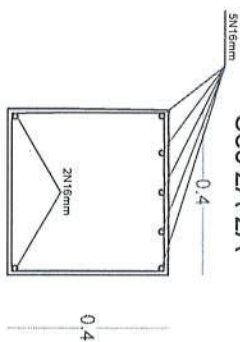
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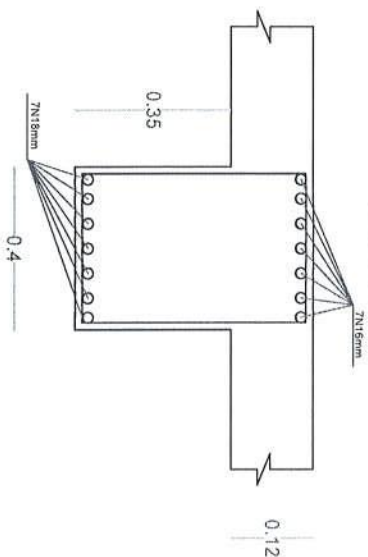
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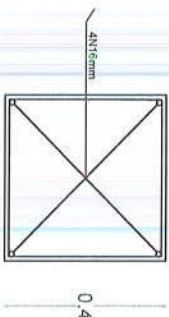
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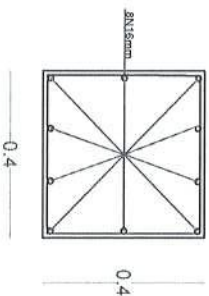
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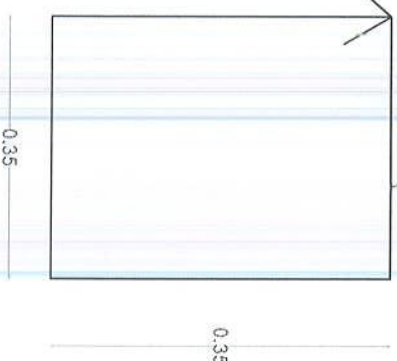
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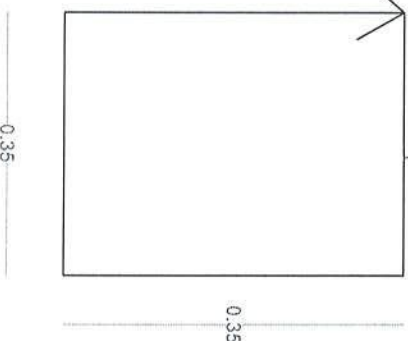
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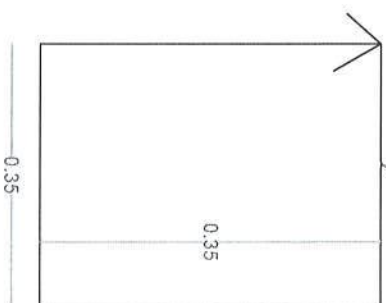
8mm@15cm c/c



8mm@20cm c/c



8mm@15cm c/c



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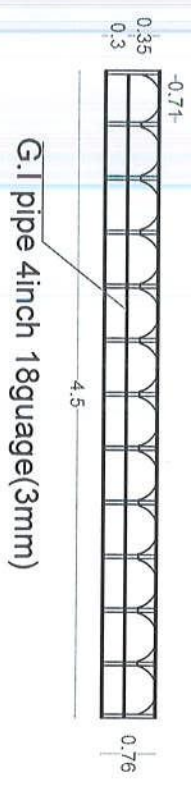
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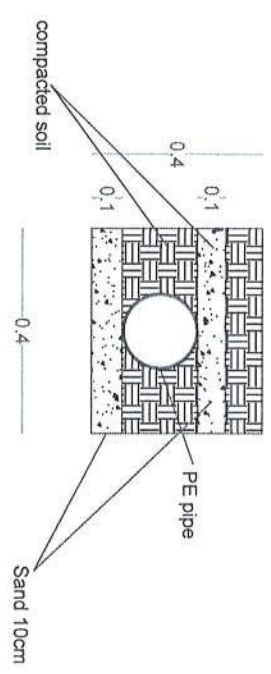
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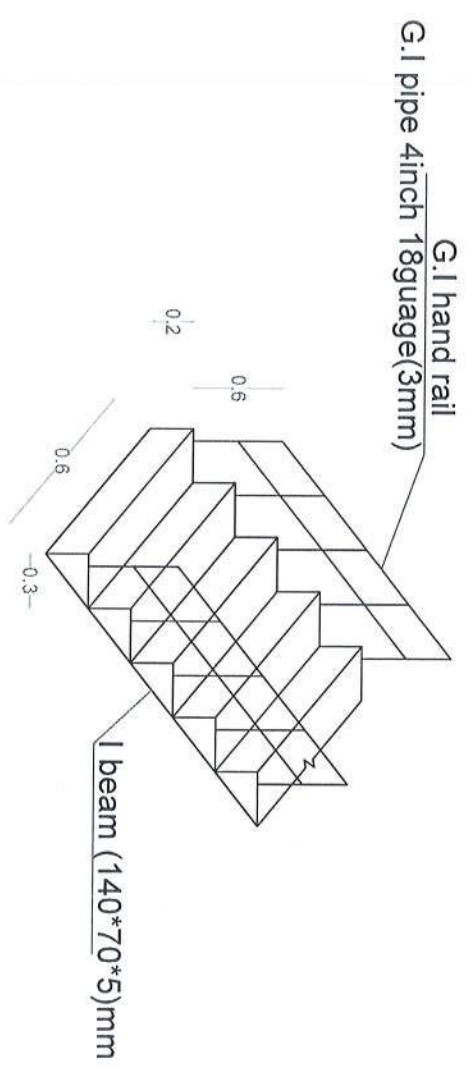
Detail of hand rail




Detail of distribution pipes



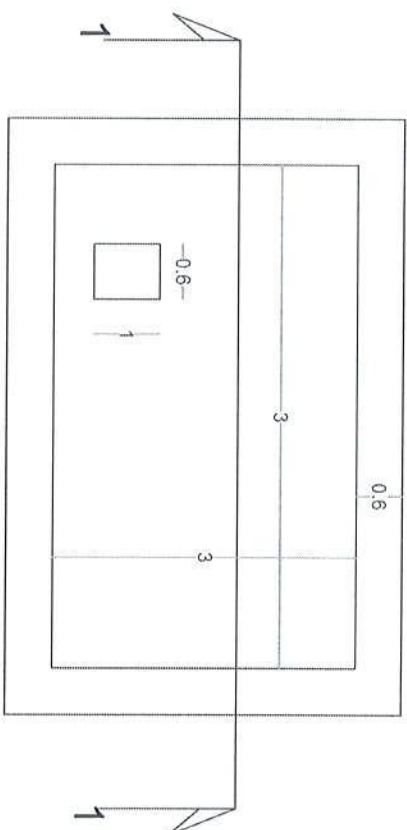
Detail of stair



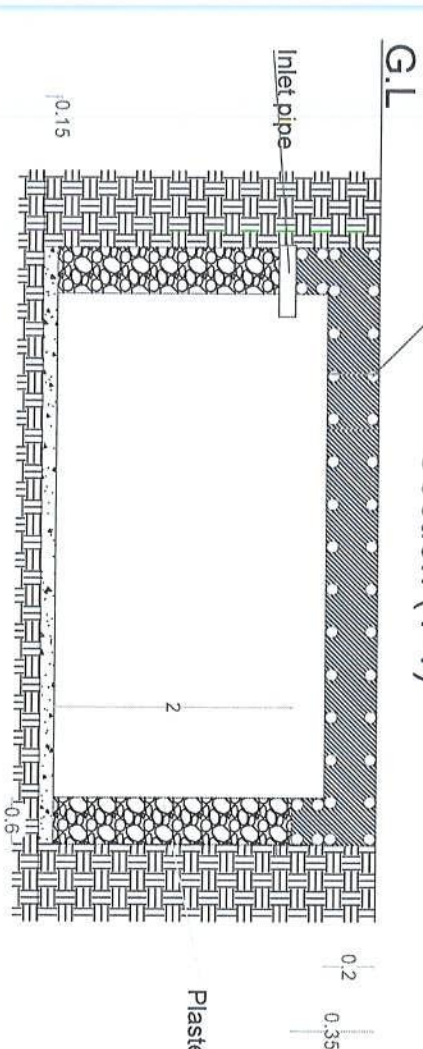
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			Drawn by:	Eng Nazar Mohammad Wahidi						UNHCR	Province Khost	District Gurbuz



Plan of septic tank



Section (1-1)



Plaster 2cm thick M1:3 inside & outside

4.2



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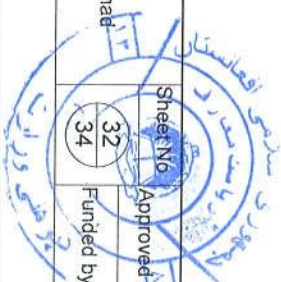
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Stone pitching 20cm thick

Plaster inside & outside 2cm thick all walls

Chawka (30*14*4)cm

I beam (140*70*5)mm

Gutter

Pointing L=24m

Architectural floor plan of a four-story building. The plan shows a rectangular layout with a central corridor and four rooms on each side. Dimensions are provided in meters. The overall width is 9.00m and the overall depth is 3.30m. Room dimensions are 2.8m by 1.5m. Corridor width is 0.6m. Room entrance width is 1.0m. The plan is labeled with 'B' and 'A' axes.



Standard School Design in Afghanistan

Eng Nazar Mohammad Wahidi

Eng Nazar Mohammad Wahidi

Nazar
Mohammad
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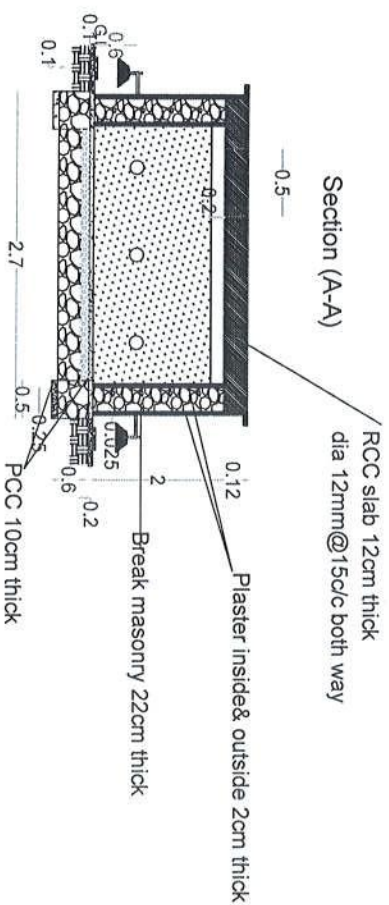
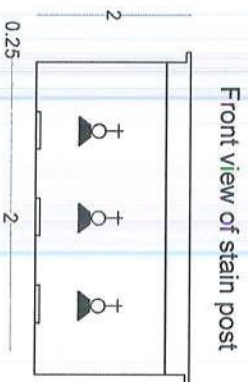
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District	Gurbuz
Village	GRC

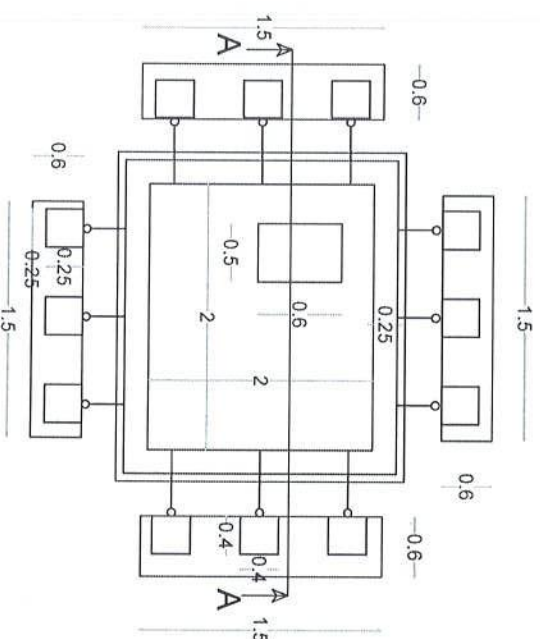
Village

GRC

Stain post



Plan of stain post



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