

MINISTRY OF PUBLIC HEALTH

Department of Construction / Technical Services

Documents

Sakzai BHC

Location:

Deh Rahwod District, Uruzgan Province

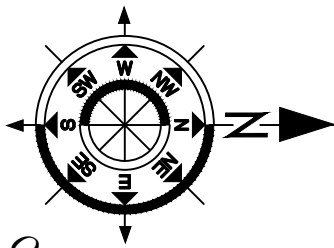
ARCHITECTURE & ENGINEERING DESIGN

20Dec.-2022

Uruzgan Sakzai BHC Site Plan Including Total Covered Area, Boundary Wall Length, Approved Sektch and Site Pictures

S 1:100

Total Covered Area = 5096 Sq. m = 2.54 Jerb
Total Boundary Wall Length = 300 M



Bakarzo BHC Observation

- 1 - Construction of Main Building.
- 2 - Installation of Solar Panels.
- 3 - Construction of Guard Room
- 4 - Drilling of Deep Bore Well.
- 5 - Construction of Water Elevated Tank.
- 6 - Construction of Generator Room.
- 7 - Construction of 6 Pcs Toilets.
- 8 - Construction of Septic Tank.
- 9 - Construction of Garbage Collection Point.
- 10 - Construction of Parking.
- 11 - Construction of Car Way.
- 12 - Construction of Side Walk and Walk Way.
- 13 - Construction of Green Area.
- 14 - Installation of Small and Main Steel Gates



Note:

- 1-All dimensions are in meters.
- 2-PCC should be (1:2:4).
- 3-Stone Masonry Ratio Should be (1:4).
- 4-Brick Masonry Ratio Should be (1:3).
- 5-RCC Concrete Ratio should be (1:1.5:3).
- 6-All Reinforcements steel bars should not be eroded or lubricated and has to be clean.
- 7-All steel bars should be Class A.
- 8- All steel bars should be Grade 60.
- 9-The Curing of RCC Concrete should not be less then (28) days.

Project code	Uruzgan - 000 - 000			
Project	New Construction of Sakzai BHC including Wash and Other Facilities.			
Drawing Title	Sakzai BHC Site Plan			
Project Location	Deh Rahmed District, Uruzgan Province, Afghanistan			
Drawn By:	Designed By:	Checked By:		
Name Engr. Danish	Engr. Danish	Engr. Danish		
Sign				
Date				

Uruzgan Sakzai BHC Site Plan including All structures Dimensions, Plumbing, Sewer Line and Electrical System

S 1:100

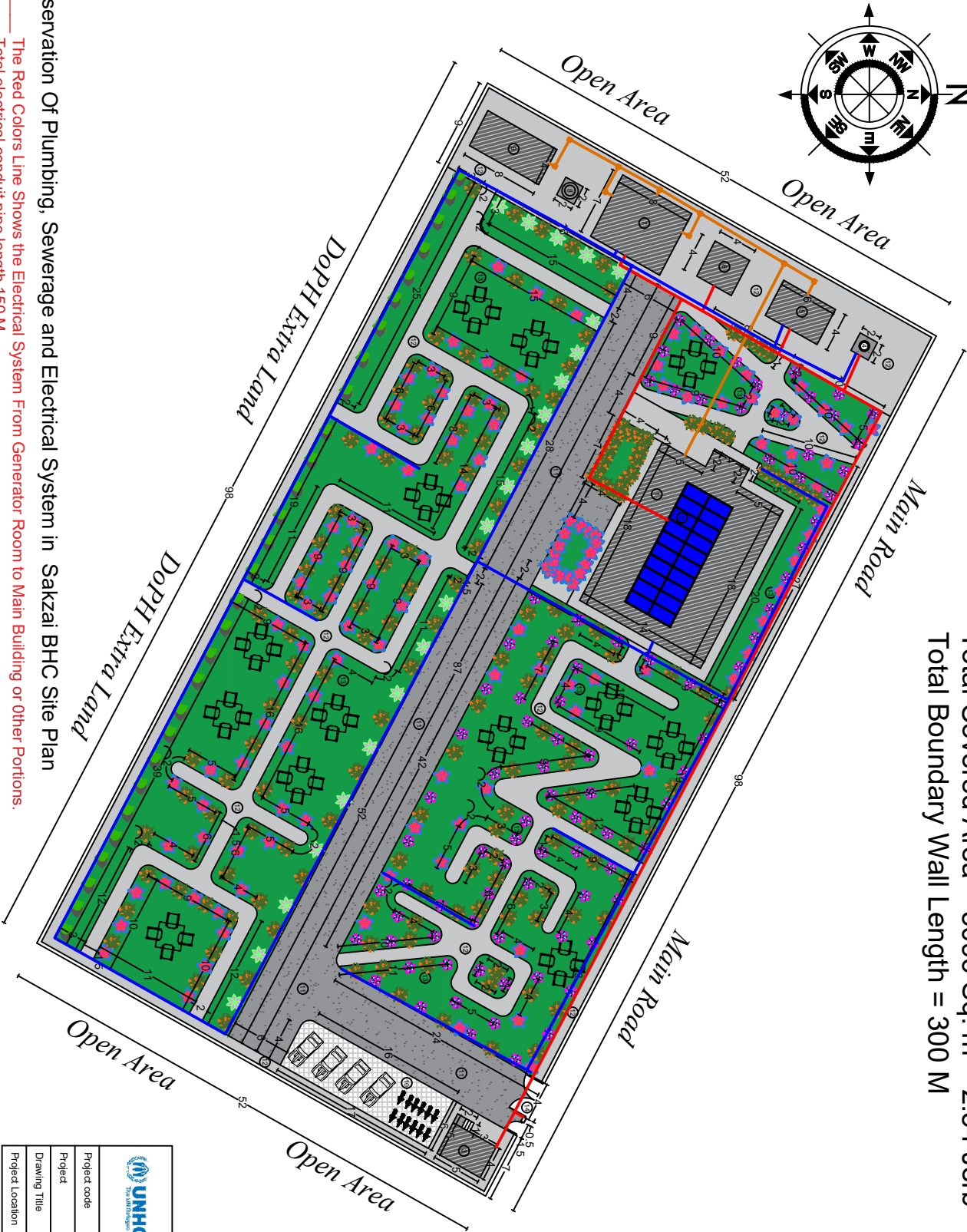
Total Covered Area = 5096 Sq. m = 2.54 Jerb
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Bakarzo BHC Observation

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Observation Of Plumbing, Sewerage and Electrical System in Sakzai BHC Site Plan

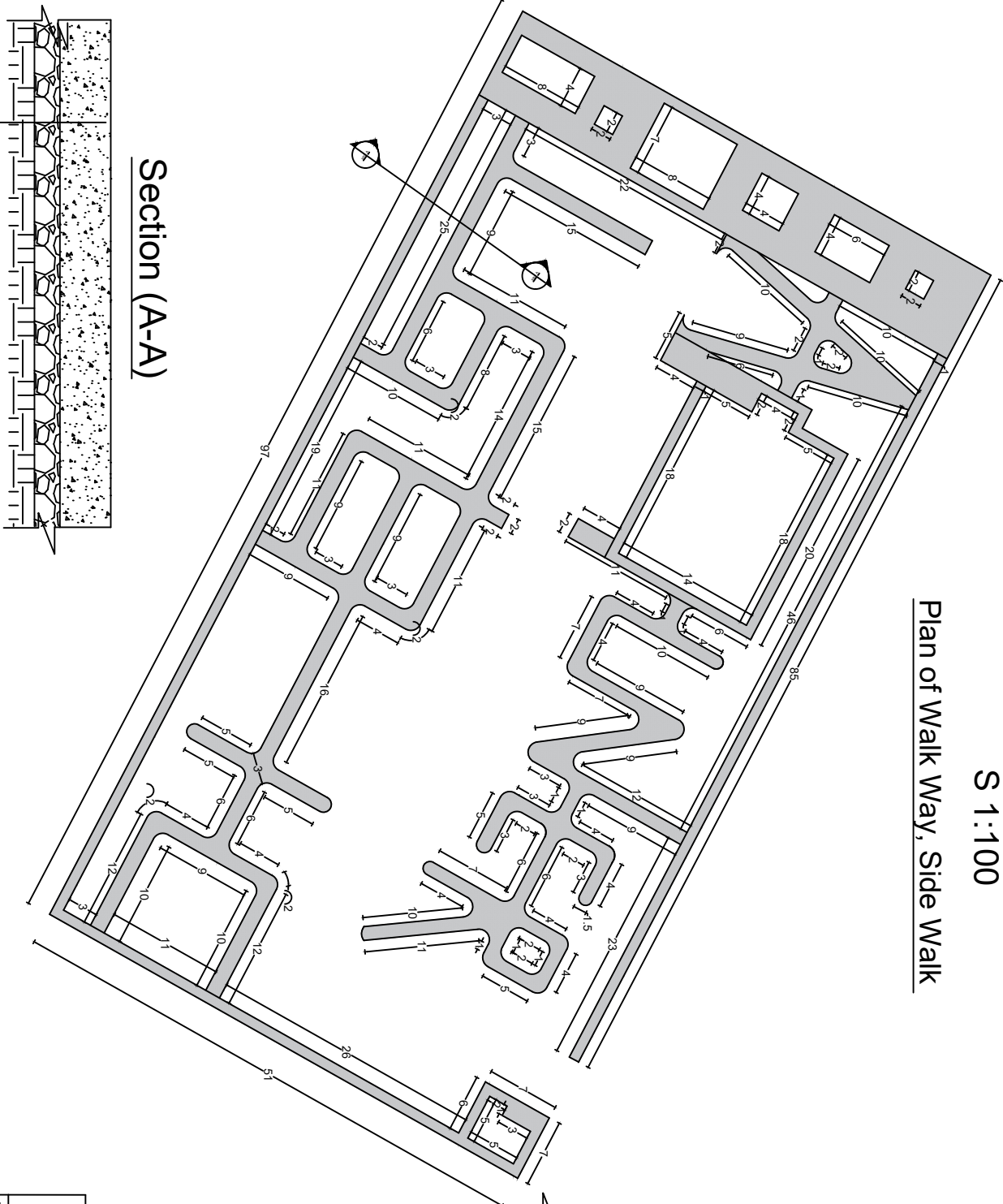
- 1 The Red Colors Line Shows the Electrical System From Generator Room to Main Building or Other Portions.
Total electrical conduit pipe length 150 M
- 2 The Green Colors Line Shows the Plumbing System From Bore well to Water Elevate Tank or Other Portions.
Total plumbing pipe length 380M
- 3 The Grey Colors Line Shows the Sewerage System From Main Building and 6Pcs Toilets to Septic Tank.
Total Sewerage pipe length 57 M

 UNHCR Afghanistan Health Construction Project			
Project code	Uruzgan - 000 - 000		
Project	New Construction of Sakzai BHC including Wash and Other Facilities.		
Drawing Title	Sakzai BHC Site Plan including All structures dimensions, Plumbing, sewer line and Plumbing system		
Project Location	Deh Rahmud District, Uruzgan Province, Afghanistan		
Drawn By:	Designed By:	Checked By:	
Name: Engr. I. Danish	Engr. I. Danish	Engr. I. Danish	
Sign			
Date			

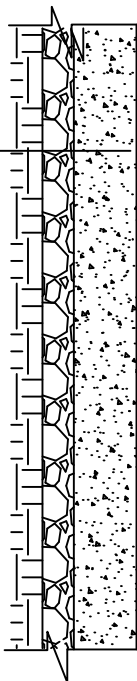
Uruzgan Sakzai BHC Side Walk, Walk way and Parking Sections With Details

S 1:100

Plan of Walk Way, Side Walk



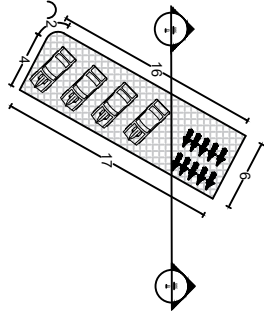
Section (A-A)



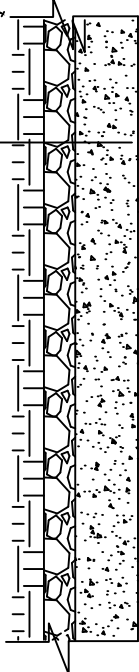
PCC M: 200 = 100mm
Compacted Gravel = 50mm
Compacted Soil

Total Area = 1641 Sq. m
Total site leveling = 1641 Sq. m
Total PCC = 164.1 Cu. m
Total Graveling = 82.05 Cu. m

Plan of Parking



Section (B-B)



PCC M: 200 = 100mm
Compacted Gravel = 50mm
Compacted Soil

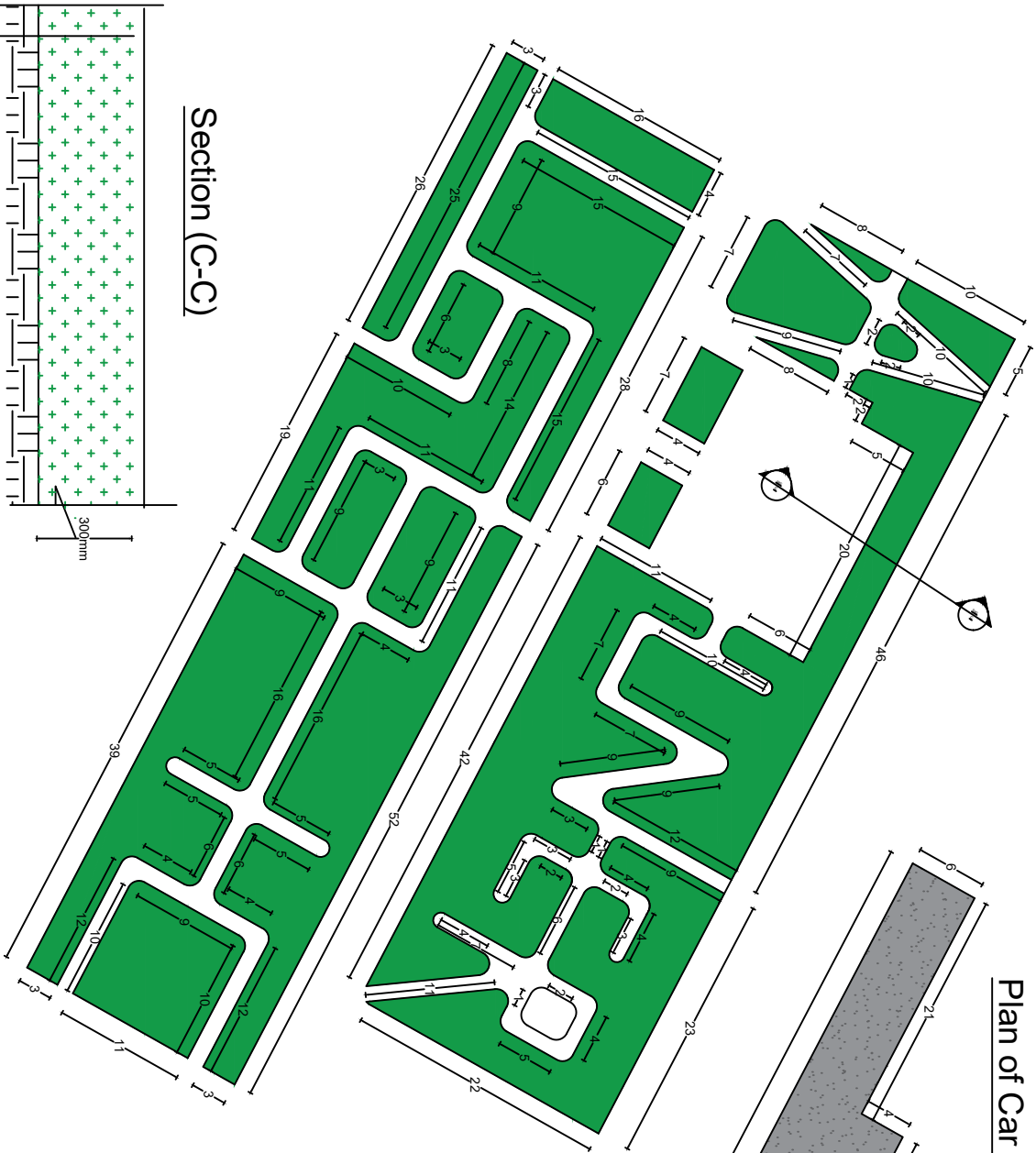
Total Area = 94 Sq. m
Total site leveling = 94 Sq. m
Total PCC = 9.4 Cu. m
Total Graveling = 4.7 Cu. m

Project code	Uruzgan - 000 - 000		
Project	New Construction of Sakzai BHC including Wash and Other Facilities.		
Drawing Title	Sakzai BHC Site Walk, Walk Way and Parking Sections With Details		
Project Location	Deh Rahmad District, Uruzgan Province, Afghanistan		
Drawn By:	Designed By:	Checked By:	
Name	Engr. I Danish	Engr. I Danish	Engr. I Danish
Sign			
Date			

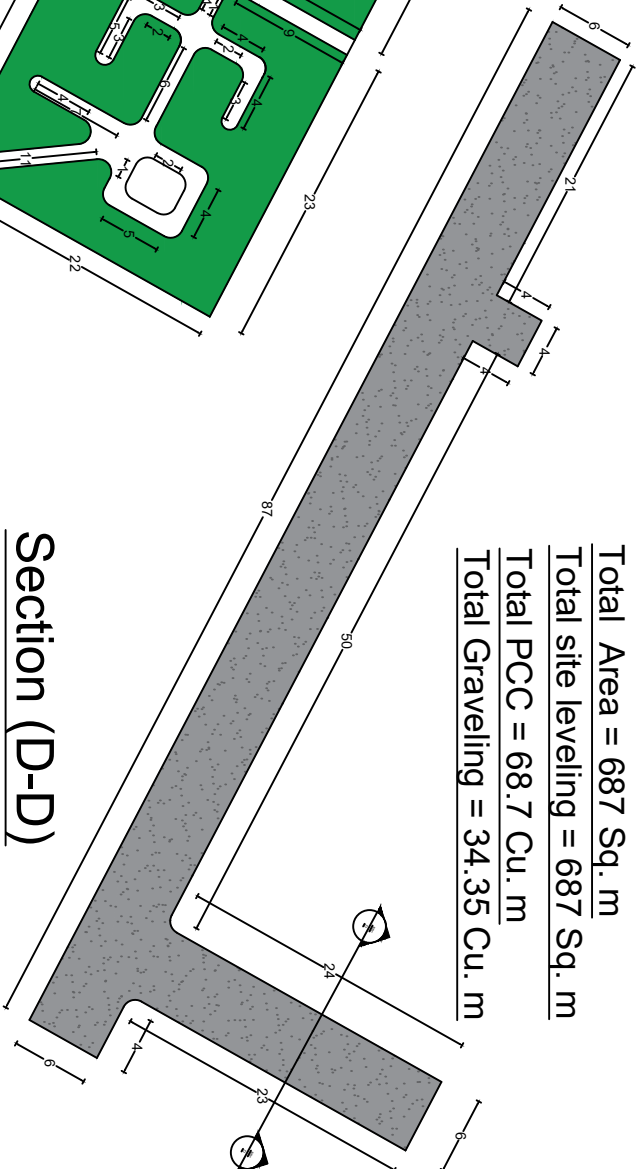
Uruzgan Sakzai BHC Green Area and Car Way Sections With Details

S 1:100

Plan of Green Area

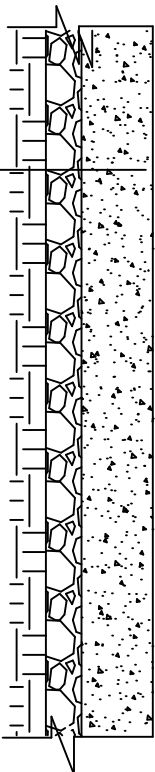


Plan of Car Way



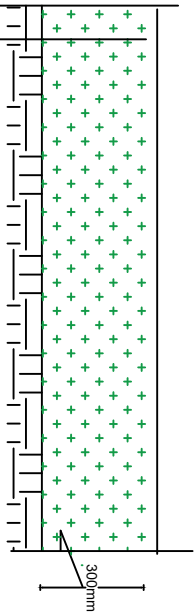
Total Area = 687 Sq. m
Total site leveling = 687 Sq. m
Total PCC = 68.7 Cu. m
Total Graveling = 34.35 Cu. m

Section (D-D)



PCC M: 200 = 100mm
Compacted Gravel = 50mm
Compacted Soil

Section (C-C)



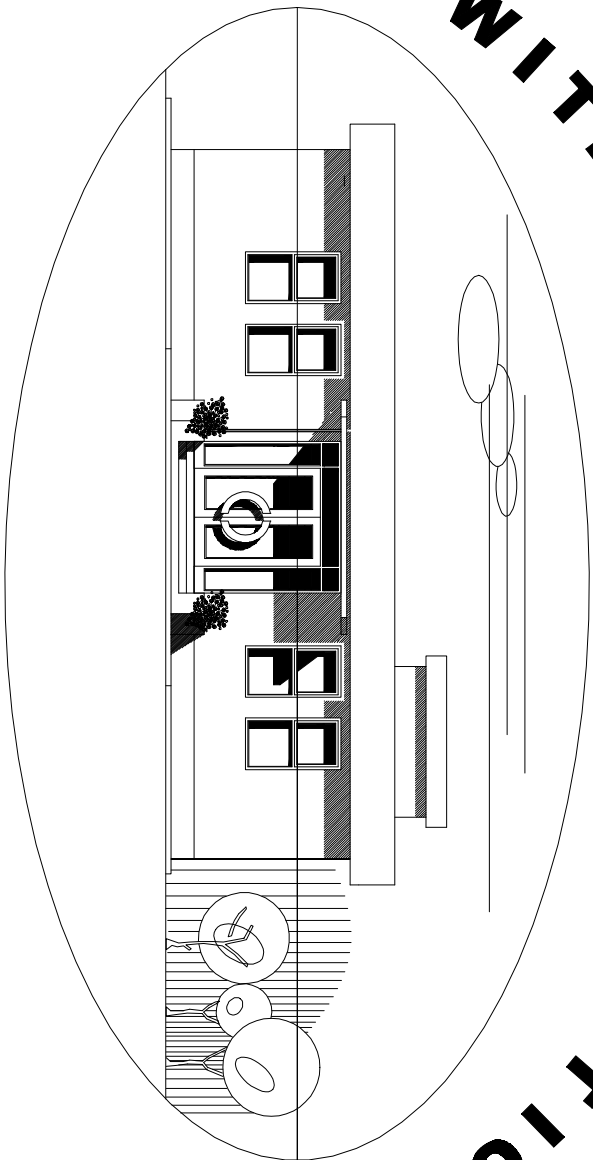
Planted Turf Seed/Grass or Trees/Flowers
Agriculture Soil Thickness = 300mm
Excavation Thickness = 300mm
Compacted Soil

Total Area = 2417 Sq. m
Total Excavation = 725.1 Cu. m
Total Agriculture soil = 725.1 Cu.m
Total seed = 2417 Kg/Sq. m
Total Trees and Flowers = 140 N

Project code	Uruzgan - 000 - 000		
Project	New Construction of Sakzai BHC including Wash and Other Facilities.		
Drawing Title	Sakzai BHC Green Area and Car Way Sections With Details		
Project Location	Dah Rahwod District, Uruzgan Province, Afghanistan		
Drawn By:	Designed By:	Checked By:	
Name Engr. I Danish	Engr. I Danish	Engr. I Danish	
Sign			
Date			

ALL DRAWINGS FOR CONSTRUCTION

HEALTH CLINICS
BASIC THERMAL INSULATION
WITH B



(ON BASIS OF INTERNATIONAL ORGANIZATION FOR MIGRATION DESIGN)

(IOM)

BACEAG CONSULTATIVE ENGINEERING
& ARCHITECTURAL GROUP

KABUL AFGHANISTAN


CLIENT

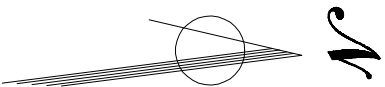
MINISTRY OF PUBLIC HEALTH
ISLAMIC REPUBLIC OF AFGHANISTAN

CAD FILE		BASIC HEALTH CLINIC (BHC)					BASIC HEALTH CLINIC (BHC)		ARCHITECT	CLIENT	RECIPIENT
SCALE	NTS	NO.	REVISION	NAME	INTL.	DATE	PRODUCED BY	INTL.	SIG.	DATE	
DRAWING NUMBER	BHC.000						DESIGNED BY			July-2008	
							CHECKED BY	Eng.A.Korim		July-2008	
							APPROVALS				
PROJECT NUMBER							PROJECT MANAGER				
							PROJECT DIRECTOR				

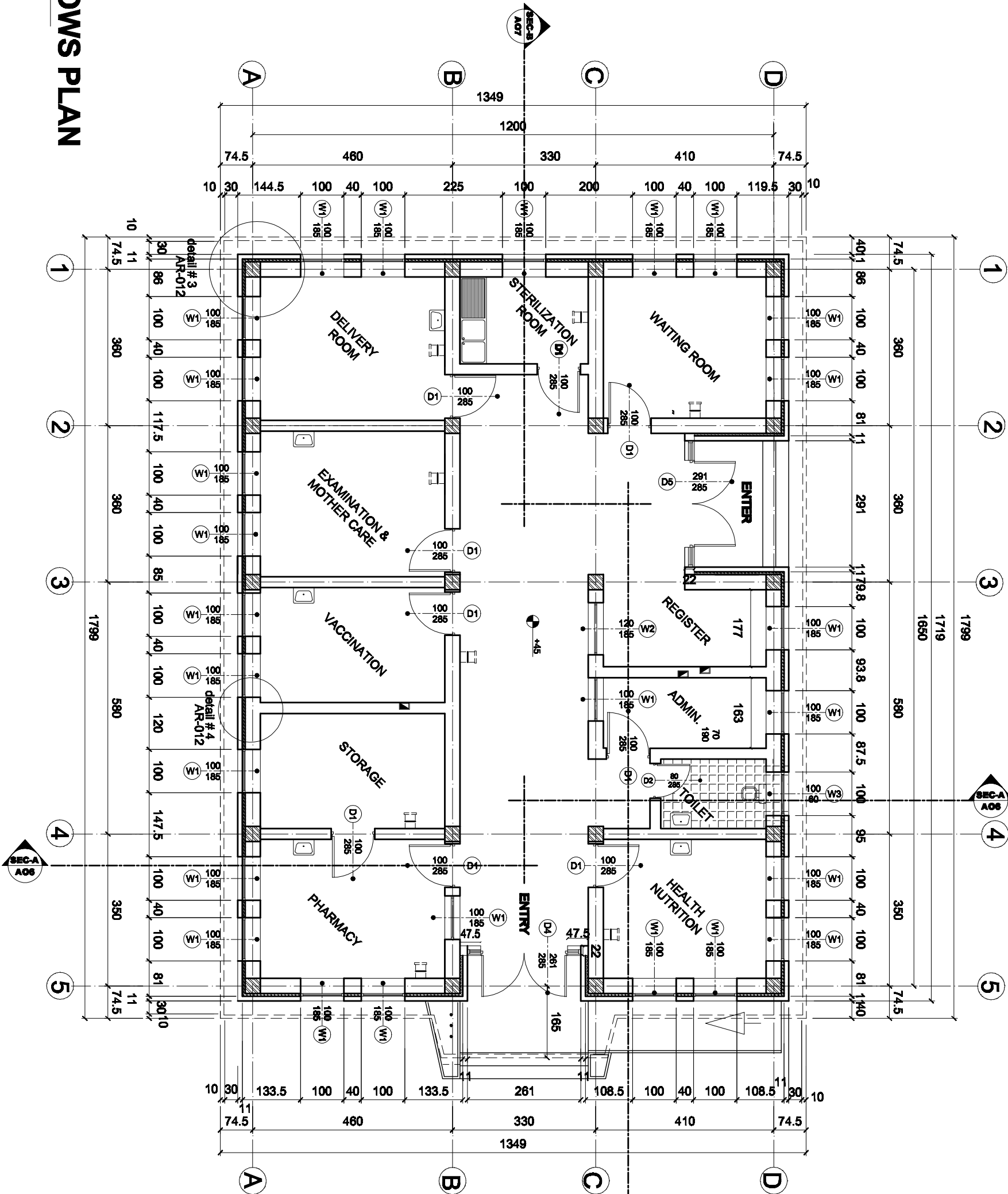
BHC BUILDING, LIST OF DRAWINGS

[illegible]

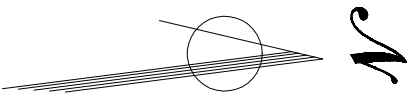
CAD FILE			<div>BASIC HEALTH CLINIC (BHC)</div> <div>INDEX SHEET</div>										REVISIONS				INTL.				S/G.				DATE				<div>BASIC HEALTH CLINIC (BHC)</div> <div>KABUL - AFGHANISTAN</div>										<div>ARCHITECT</div> <div>BACEAG CONSULTATIVE ENGINEERING & ARCHITECTURAL GROUP</div> <div></div>										<div>CLIENT</div> <div>MINISTRY OF PUBLIC HEALTH</div> <div>AFGHANISTAN</div>										RECIPIENT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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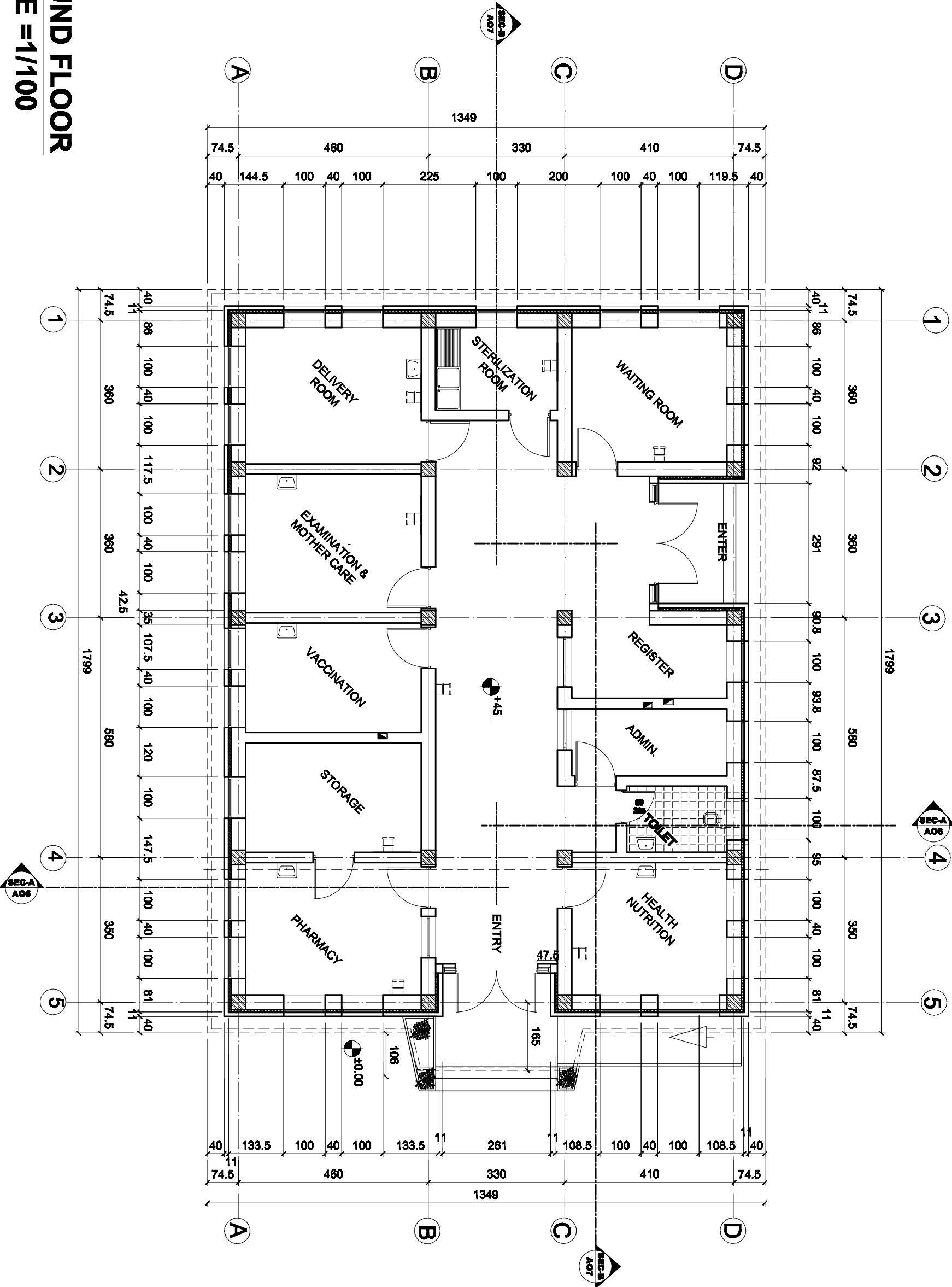
1 DOOR & WINDOWS PLAN
SCALE =1/100




CAD FILE		REVISIONS				BASIC HEALTH CLINIC (BHC)		ARCHITECT	CLIENT	RECIPIENT
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DRAWING NUMBER	BHC.AR-002						DESIGNED BY	Ar.M.Saber		
PROJECT NUMBER							CHECKED BY	Eng.A.Korim		
							APPROVALS			
							PROJECT MANAGER			
							PROJECT DIRECTOR			



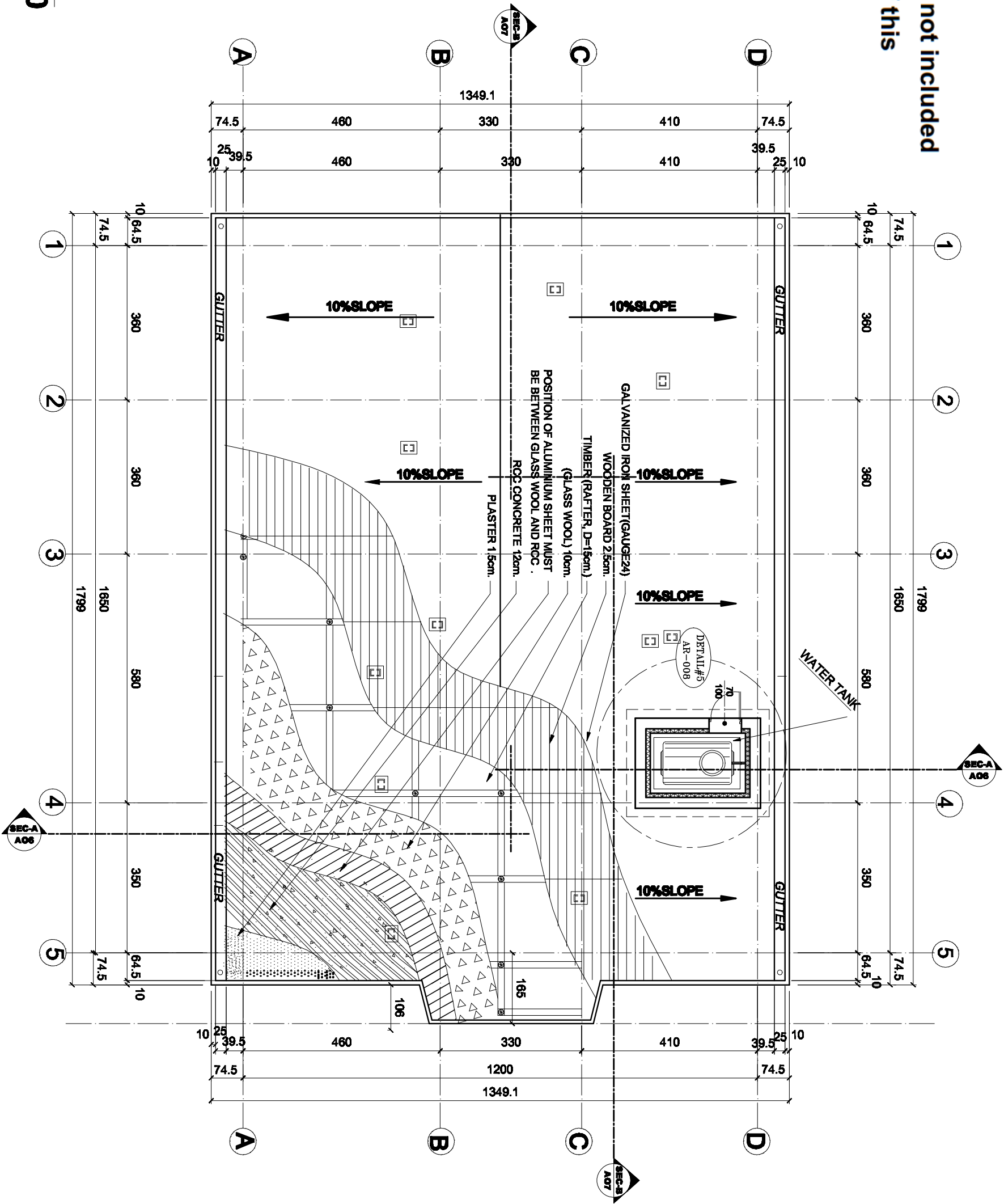
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GROUND FLOOR
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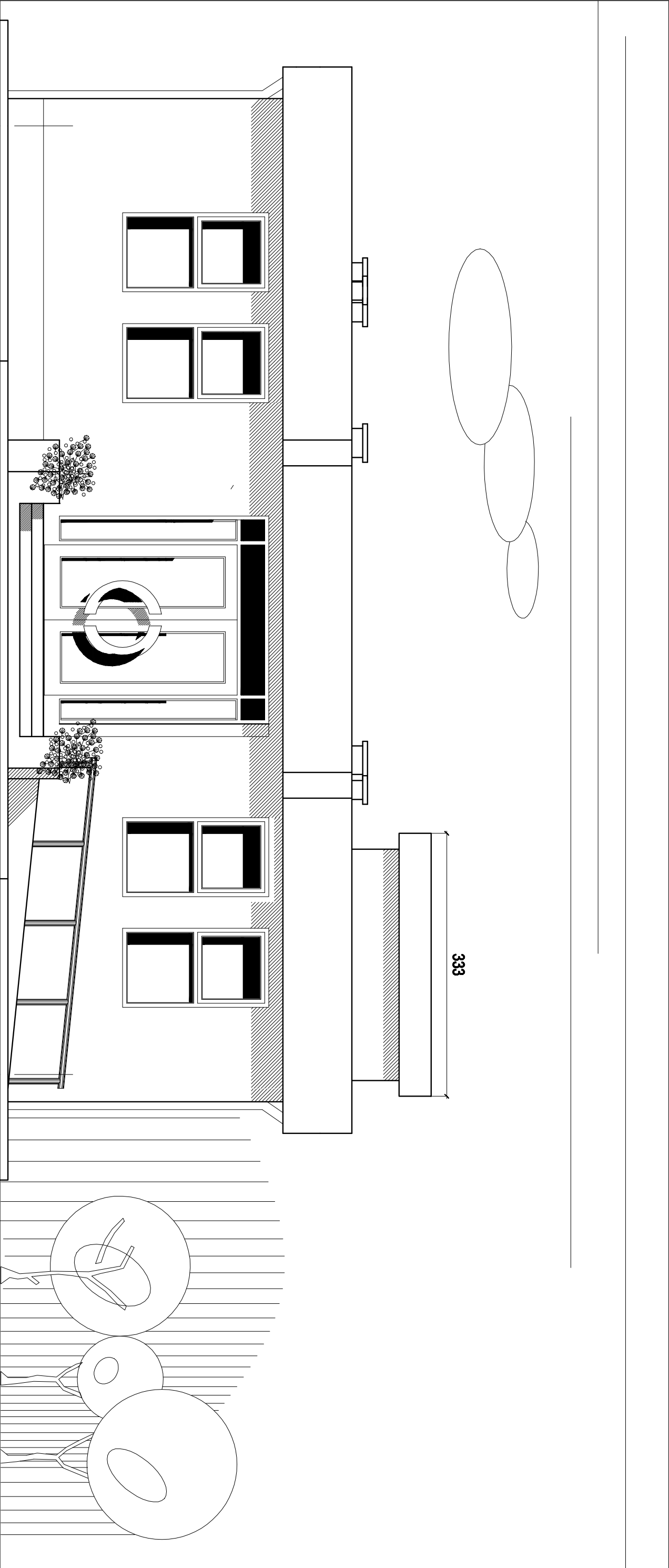
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SCALE		1:100																													
DRAWING NUMBER		BHC.AR-001																													
PROJECT NUMBER																															
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		REVISIONS																													
		NO.		REVISION		NAME		INTL.		DATE		PRODUCED BY		INTL.		SIG.		DATE													
												BACEAG						July-2008													
												A.M.Saber						July-2008													
												CHECKED BY		Eng.A.Korim				July-2008													
														APPROVALS																	
												PROJECT MANAGER																			
												PROJECT DIRECTOR																			
												BASIC HEALTH CLINIC (BHC) KABUL - AFGHANISTAN																			
												ARCHITECT BACEAG CONSULTATIVE ENGINEERING & ARCHITECTURAL GROUP Email: baceag@yahoo.com Mobile: 8798 335 606 , 8798 304 476																			
																															
												CLIENT MINISTRY OF PUBLIC HEALTH AFGHANISTAN																			
																						RECIPIENT									

Note: Roof truss are not included
in the all portions of this
project

1
ROOF PLAN
SCALE =1/100



CAD FILE		REVISIONS					BASIC HEALTH CLINIC (BHC)		ARCHITECT		CLIENT		RECIPIENT
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DRAWING NUMBER	BHC.AR-003						DESIGNED BY	Mr.M.Saber			July-2008		
PROJECT NUMBER							CHECKED BY	Eng.A.Korim	APPROVALS				
							PROJECT MANAGER						
							PROJECT DIRECTOR						



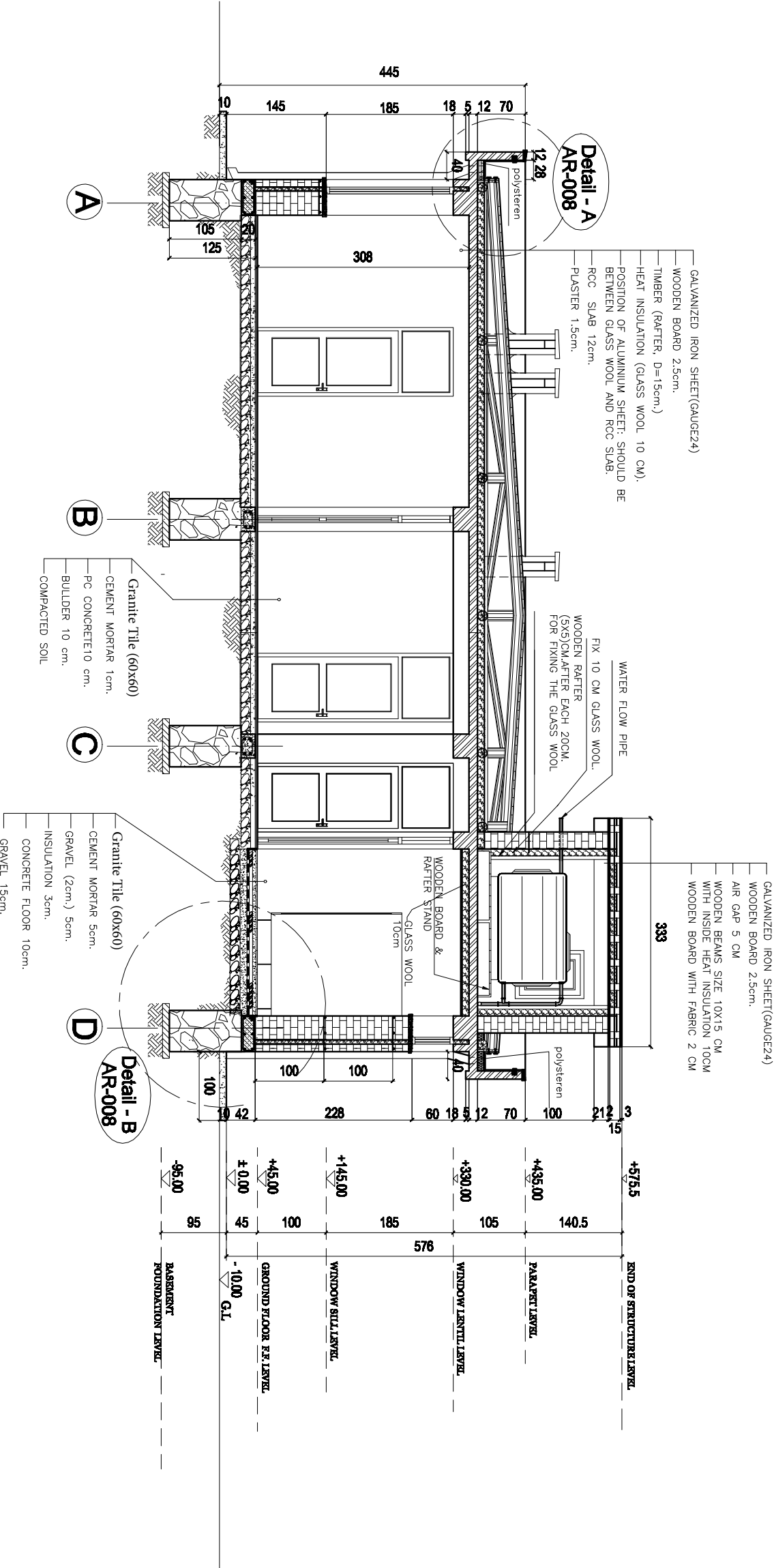
A

D


1 FRONT ELEVATION

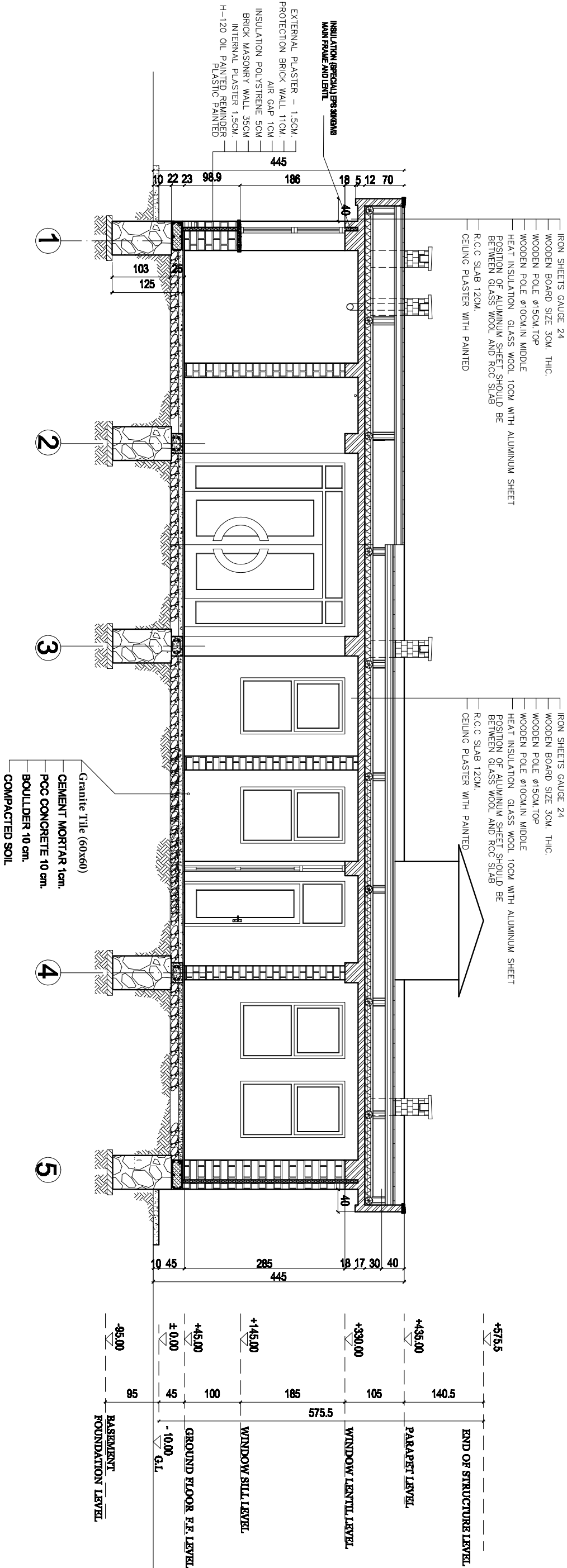
SCALE =1/50

CAD FILE		BASIC HEALTH CLINIC (BHC)					FRONT ELEVATION		
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DRAWING NUMBER	BHC.AR-004						DESIGNED BY	Mr.M.Saber	July-2008
PROJECT NUMBER							CHECKED BY	Eng.A.Karim	July-2008
							PROJECT MANAGER	APPROVALS	
							PROJECT DIRECTOR		
BASIC HEALTH CLINIC (BHC)					ARCHITECT				
KABUL - AFGHANISTAN					BACEAG CONSULTATIVE ENGINEERING & ARCHITECTURAL GROUP				
					Email: baceag@yahoo.com Mobile: 8798 335 068 , 8798 304 478				
					CLIENT				
					MINISTRY OF PUBLIC HEALTH AFGHANISTAN				
					RECIPIENT				



1 SECTION (A-A)
SCALE =1/75

CAD FILE		BASIC HEALTH CLINIC (BHC)										ARCHITECT	CLIENT	RECIPIENT	
SCALE	1:75											BACEAG		MINISTRY OF PUBLIC HEALTH AFGHANISTAN	
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PROJECT NUMBER		SECTION A-A													

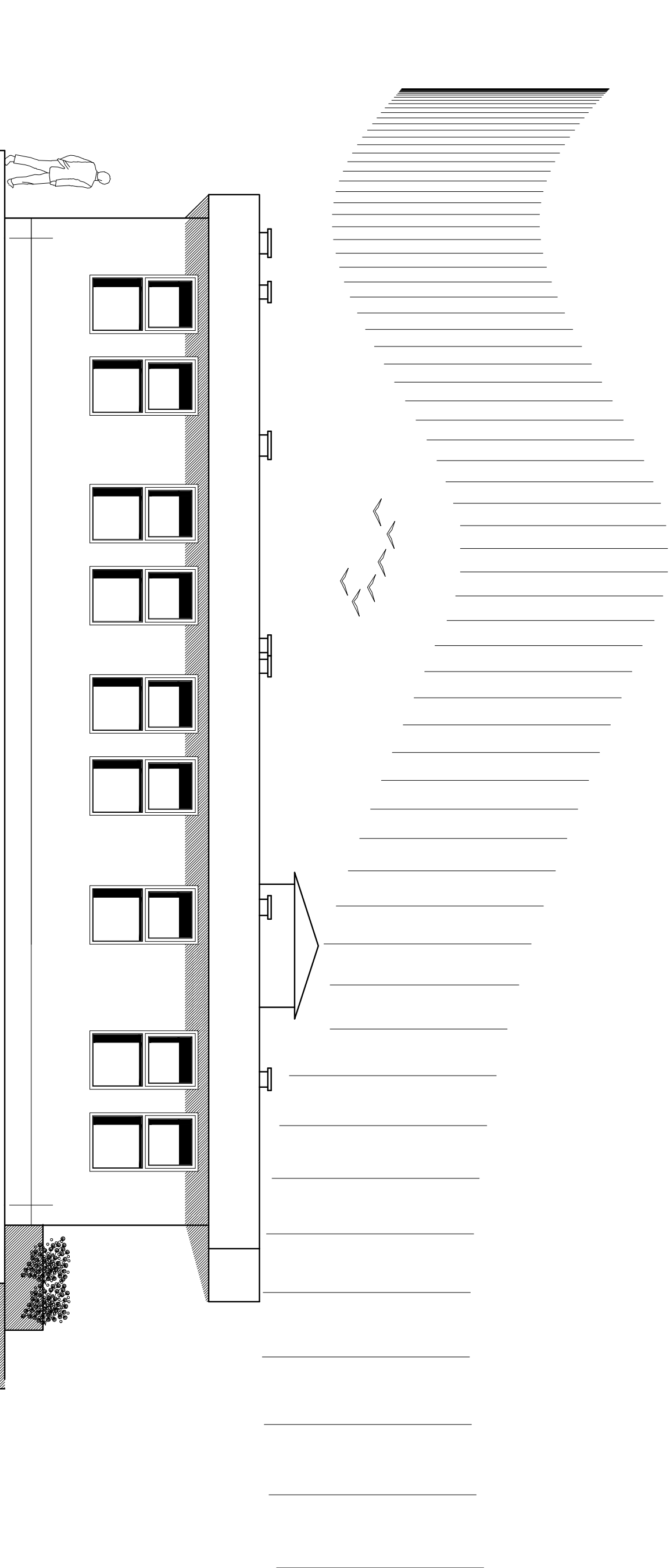


1

SECTION (B-B)

SCALE =1/75

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DRAWING NUMBER	BHC.AR-007						DESIGNED BY	Ar.M.Sober		July-2008					
							CHECKED BY	Eng.A.Korfm		July-2008					
								APPROVALS							
		PROJECT MANAGER													
PROJECT NUMBER		PROJECT DIRECTOR													
SECTION B-B															

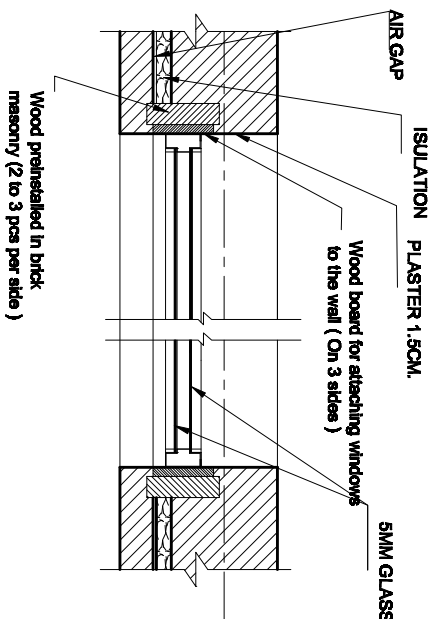
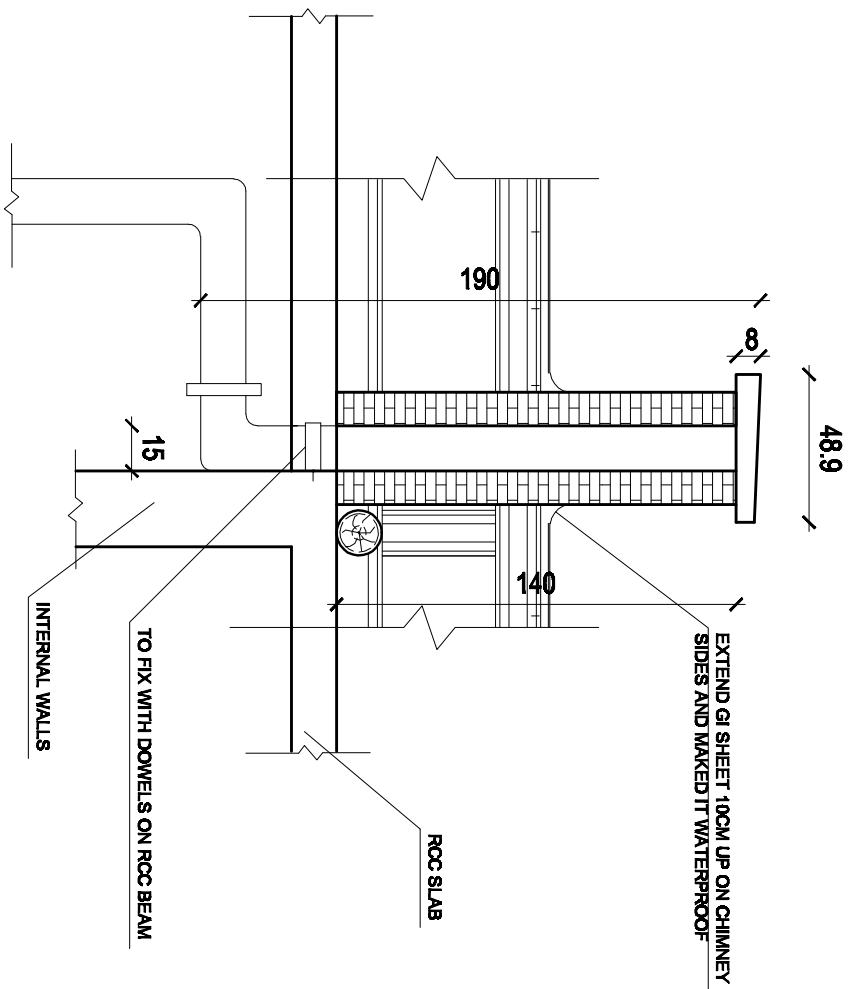


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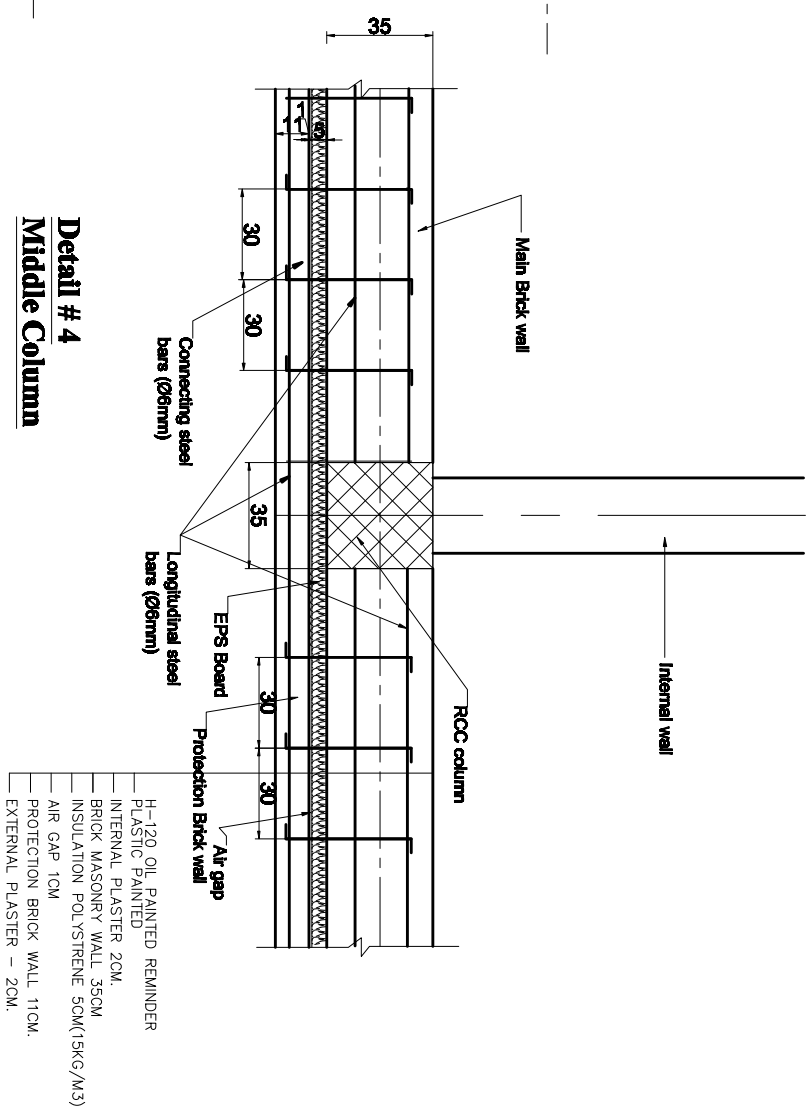
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1
SIDE ELEVATION
SCALE =1/75

CAD FILE		BASIC HEALTH CLINIC (BHC)										BASIC HEALTH CLINIC (BHC)										BASIC HEALTH CLINIC (BHC)										ARCHITECT										CLIENT										RECIPIENT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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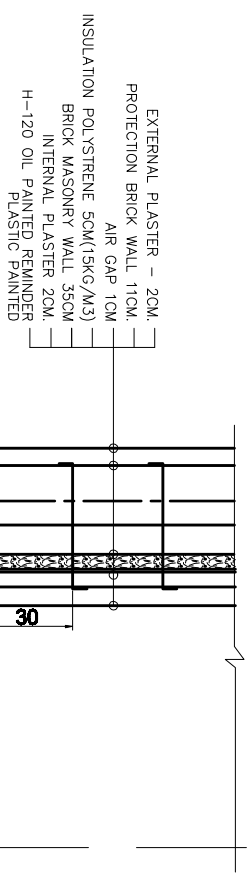


Details #1



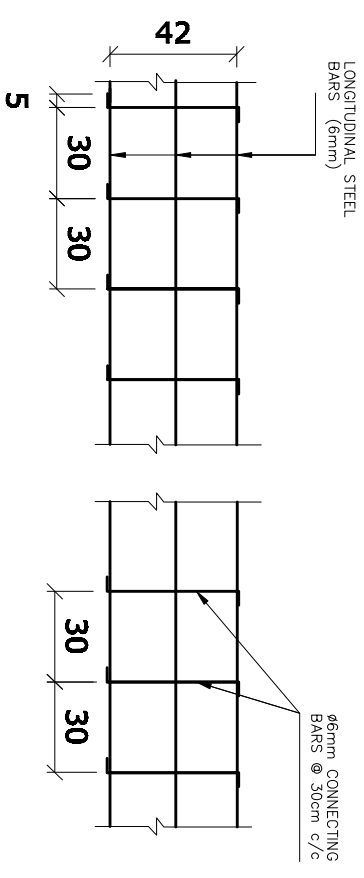
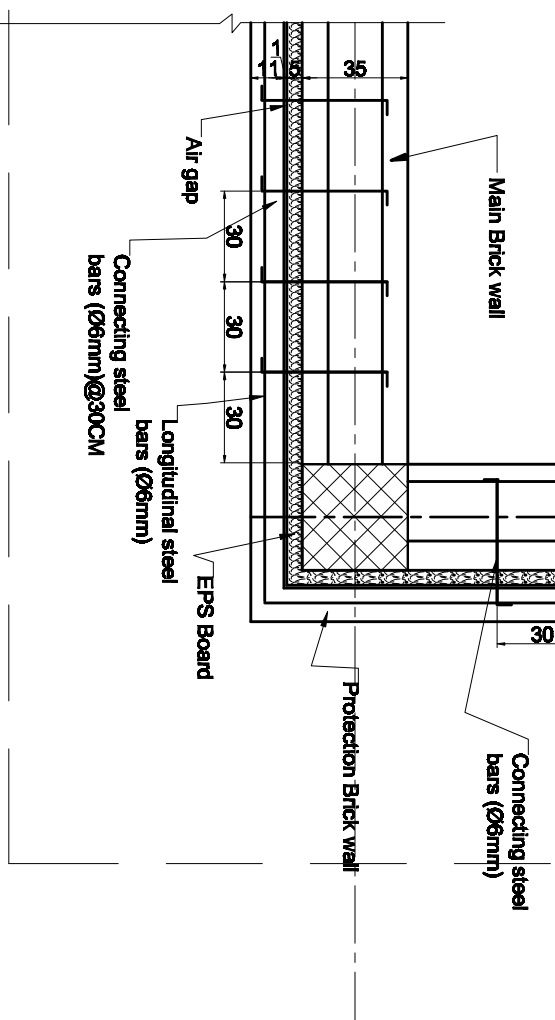
Detail # 4

Middle Column



CHIMNEY DETAIL UNDER CEILING


८३

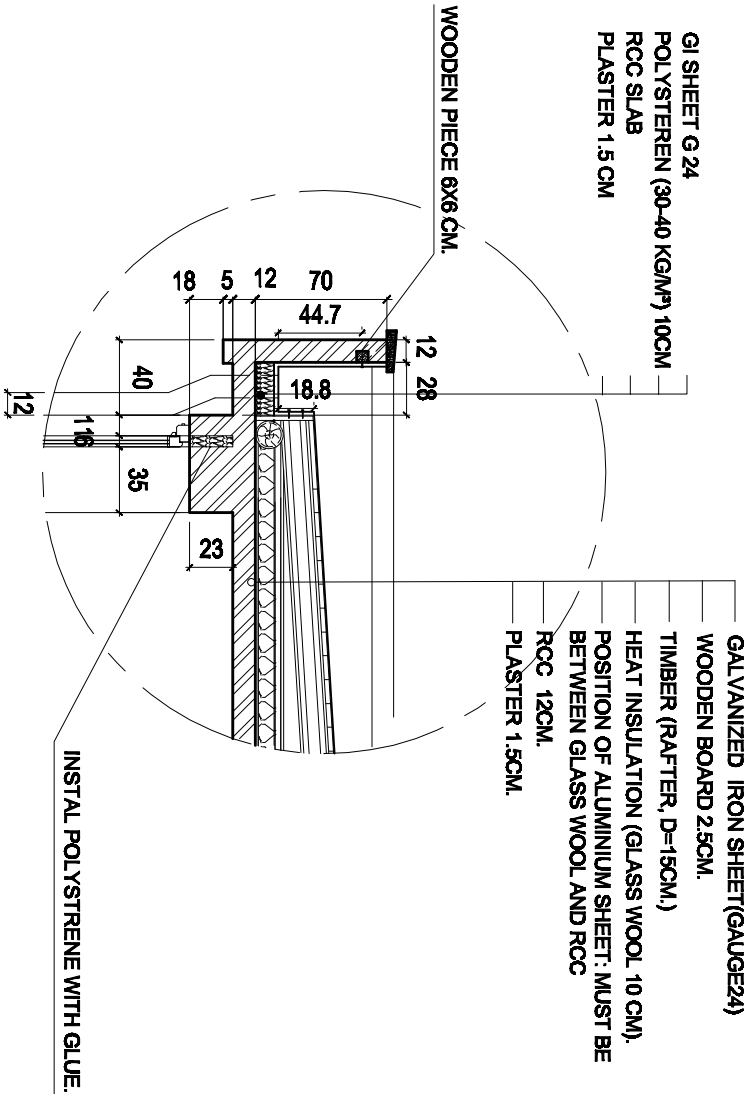


Detail # 1

Connection Steel Bars Structure

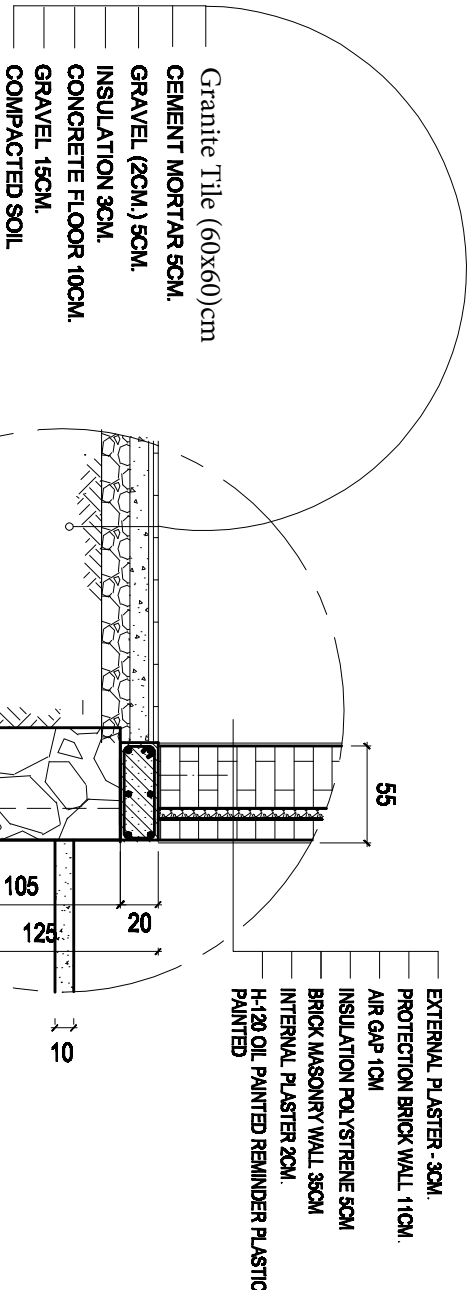
Detail # 3 Corner Column

CAD FILE		BASIC HEALTH CLINIC (BHC)												
SCALE	1:50													
DRAWING NUMBER	BHC.AR-012	Details for connection of protection												
PROJECT NUMBER		Wall and steel bars												
		REVISIONS												
		NO.	REVISION	NAME	INTL.	DATE	PRODUCED BY	INTL.	SIG.	DATE				
							DESIGNED BY							
							CHECKED BY							
							APPROVALS							
							PROJECT MANAGER							
							PROJECT DIRECTOR							
		BASIC HEALTH CLINIC (BHC)												
		KABUL - AFGHANISTAN												
		ARCHITECT												
		BACEAG CONSULTATIVE ENGINEERING & ARCHITECTURAL GROUP												
		Email: baceag@baceag.com Mobile: 0093 200 880 , 0093 204 470												
														
		CLIENT												
		MINISTRY OF PUBLIC HEALTH AFGHANISTAN												
		RECIPIENT												



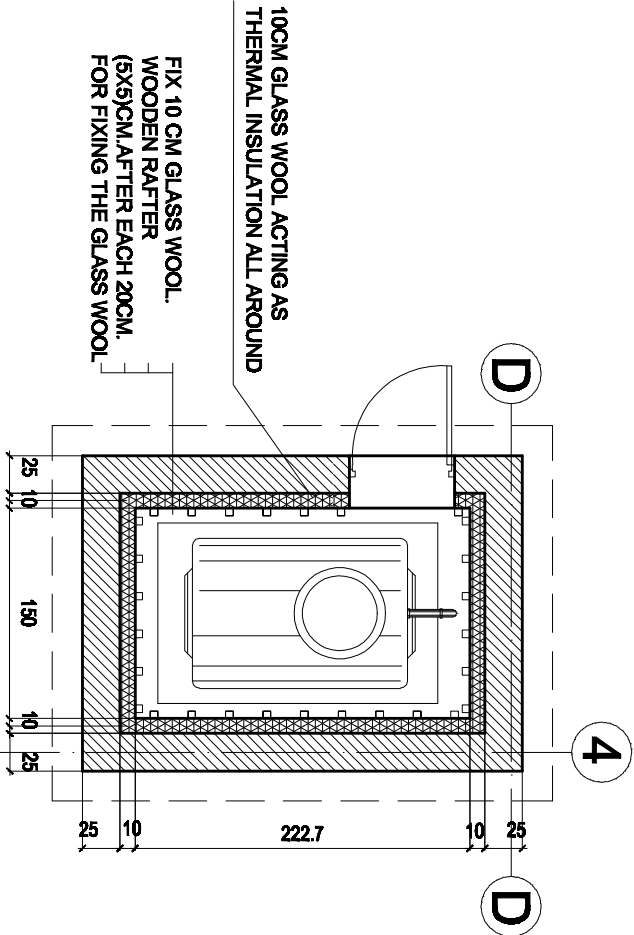
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DETAIL - A
SCALE =1/40

D - 1



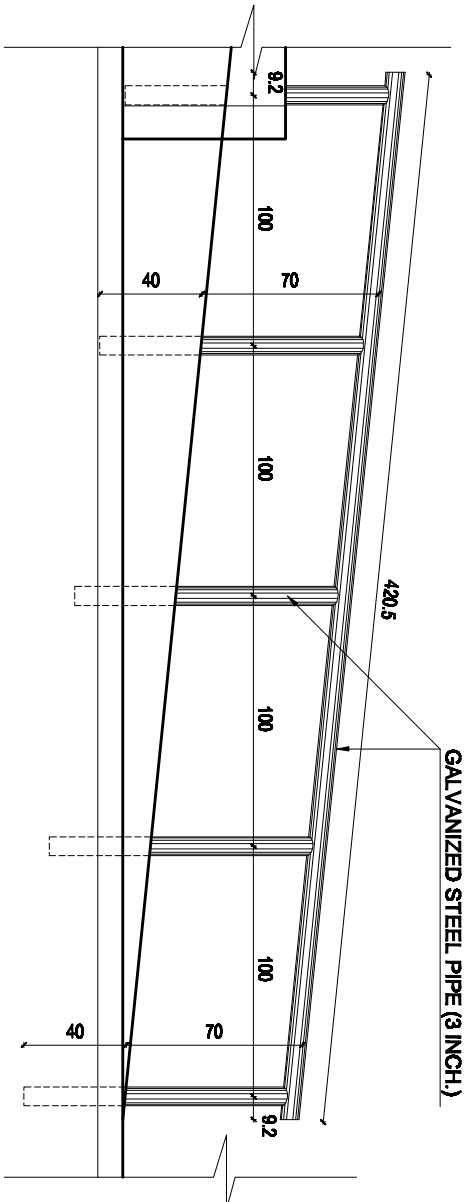
2
DETAIL - B
SCALE =1/40

D - 2



3
DETAIL #5 (WATER TANK STOCK), V=300GL.
SCALE =1/50

4
DETAIL # 4 HAND RAIL OF ENTERANCE RAMP
SCALE =1/30

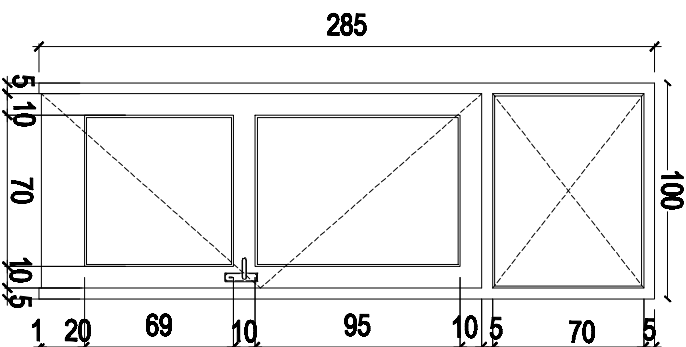
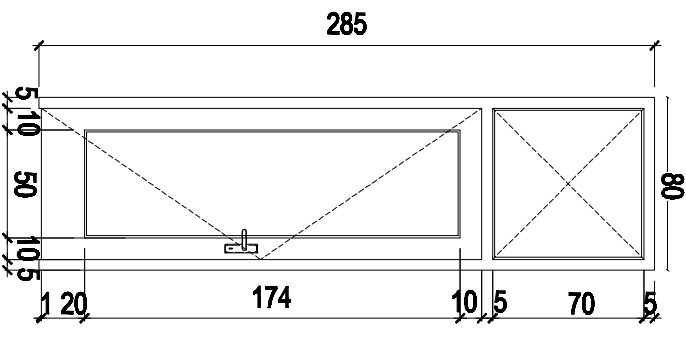
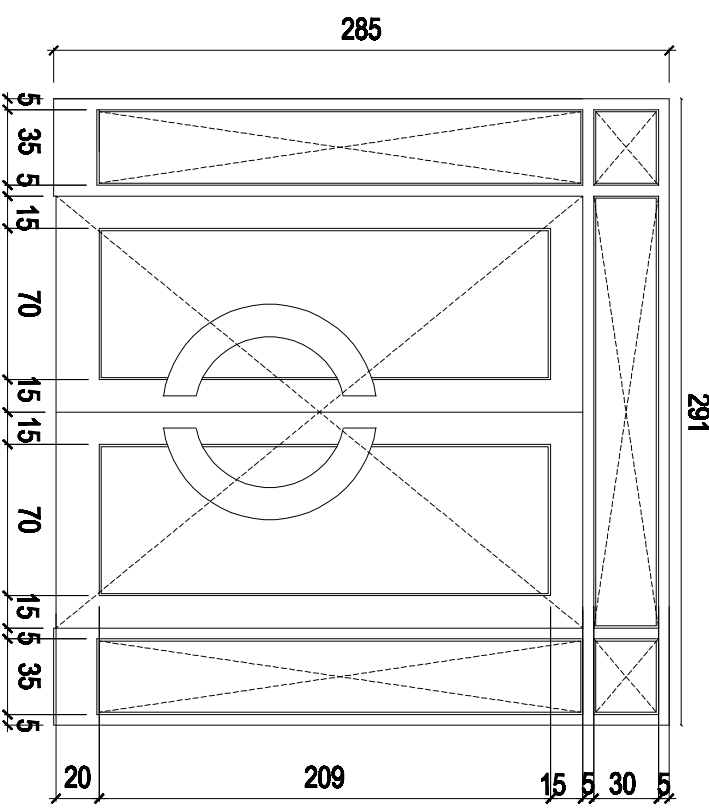



CAD FILE		BASIC HEALTH CLINIC (BHC)											
SCALE	1:50 1:40, 1:30												
DRAWING NUMBER	BHC.AR-008												
PROJECT NUMBER		Details											
		REVISIONS											
		NO.	REVISION	NAME	INTL.	DATE	PRODUCED BY	INTL.	SIG.	DATE			
							BOCEAG			July-2008			
							Ar M. Saber			July-2008			
							CHECKED BY	Eng.A.Korim		July-2008			
							APPROVALS						
							PROJECT MANAGER						
							PROJECT DIRECTOR						

BASIC HEALTH CLINIC (BHC)		ARCHITECT	CLIENT	RECIPIENT
KABUL - AFGHANISTAN		BACEAG CONSULTATIVE ENGINEERING & ARCHITECTURAL GROUP	MINISTRY OF PUBLIC HEALTH AFGHANISTAN	

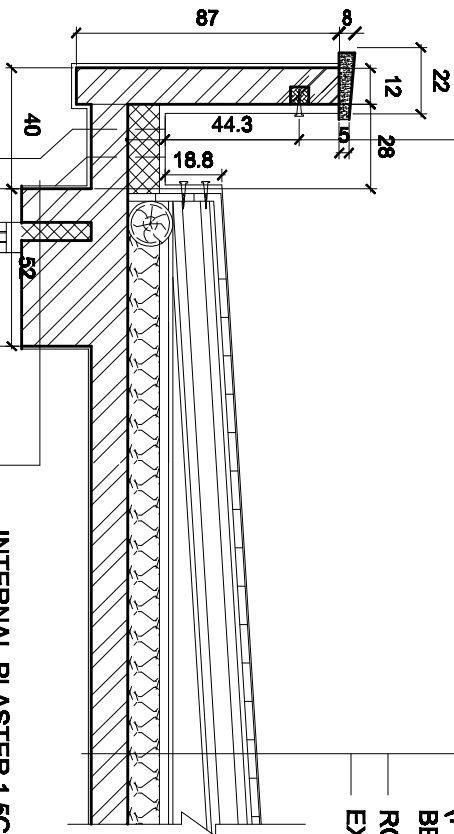


Email: baceag@yahoo.com
Mobile: 9799 335 699 , 9799 364 479

CODE	STRUCTURAL OPEN		NO	SPECS.	DIMENSION	CODE	STRUCTURAL OPEN		NO	SPECS.	DIMENSION
	W	H					W	H			
D1	100	285	9	*P.V.C FRAME *P.V.C DOOR *5mm THICK. DOUBLE GLASS LIGHTING PANEL *DOOR HOLDER		D2	80	285	1	*P.V.C FRAME *P.V.C DOOR *5mm THICK. DOUBLE GLASS LIGHTING PANEL *DOOR HOLDER	
CODE	STRUCTURAL OPEN		NO	SPECS.	DIMENSION	CODE	STRUCTURAL OPEN		NO	SPECS.	DIMENSION
	W	H					W	H			
D5	291	285	1	*P.V.C FRAME *FIXED WINDOW *P.V.C DOOR *5mm. THICK. DOUBLE GALSS LIGHTING PANEL *DOOR HOLDERS							

CAD FILE		BASIC HEALTH CLINIC (BHC)										REVSIONS				ARCHITECT		CLIENT		RECIPIENT							
SCALE	1:35											NO.	REVISION	NAME	INTL.	DATE	PRODUCED BY	INTL.	SIG.	DATE							
DRAWING NUMBER	BHC-AR-010																DESIGNED BY	Dr.M.Sohier			July-2008						
																	CHECKED BY	Eng.A.Karim			July-2008						
												APPROVALS															
PROJECT NUMBER												PROJECT MANAGER															
												PROJECT DIRECTOR															
		DOORS DETAILS 1										KABUL - AFGHANISTAN										BACEAG CONSULTATIVE ENGINEERING & ARCHITECTURAL GROUP		MINISTRY OF PUBLIC HEALTH		AFGHANISTAN	
												Email: baceag@yahoo.com Mobile: 0799 335 060 , 0799 304 476															

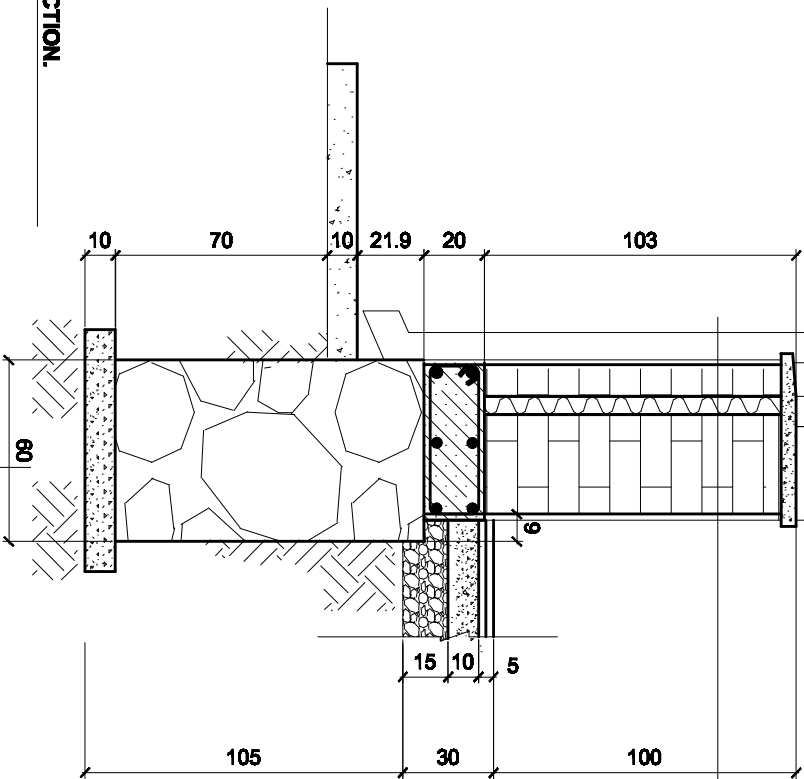
GI SHEET G 24
POLYSTYRENE (30-40 KG/M³) 10CM
RCC SLAB
PLASTER 1.5CM



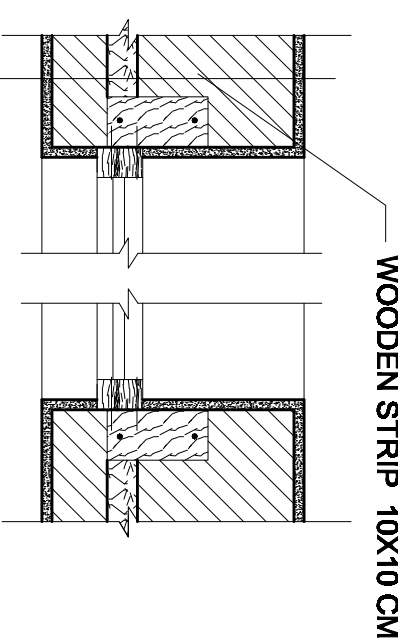
GALVANIZED IRON SHEET(GAUGE24)
WOODEN BOARD 2.5CM.
TIMBER (RAFTER, D=15CM.)
HEAT INSULATION (GLASS WOOL 10 CM).
(POSITION OF ALUMINIUM SHEET MUST BE
BETWEEN GLASS WOOL AND RCC)
RCC 12CM.
EXTERIOR PLASTER 1.5 CM.

INTERNAL PLASTER 1.5CM
RCC RING BEAM 35 CM.
POLYSTYRENE 15KG/M³ 5CM FIXED WIT GLUE
LINTEL 11CM
EXTERIOR PLASTER 1.5CM

5MM DOUBLE GLASS




INTERIOR PLASTER
MAIN BRICK WALL (35CM).
INSULATION (EPS 15 KG/M³) 5CM.
AIR GAP 1CM
PROTECTING BRICK WALL 11CM.
EXTERIOR PLASTER 1.5 CM

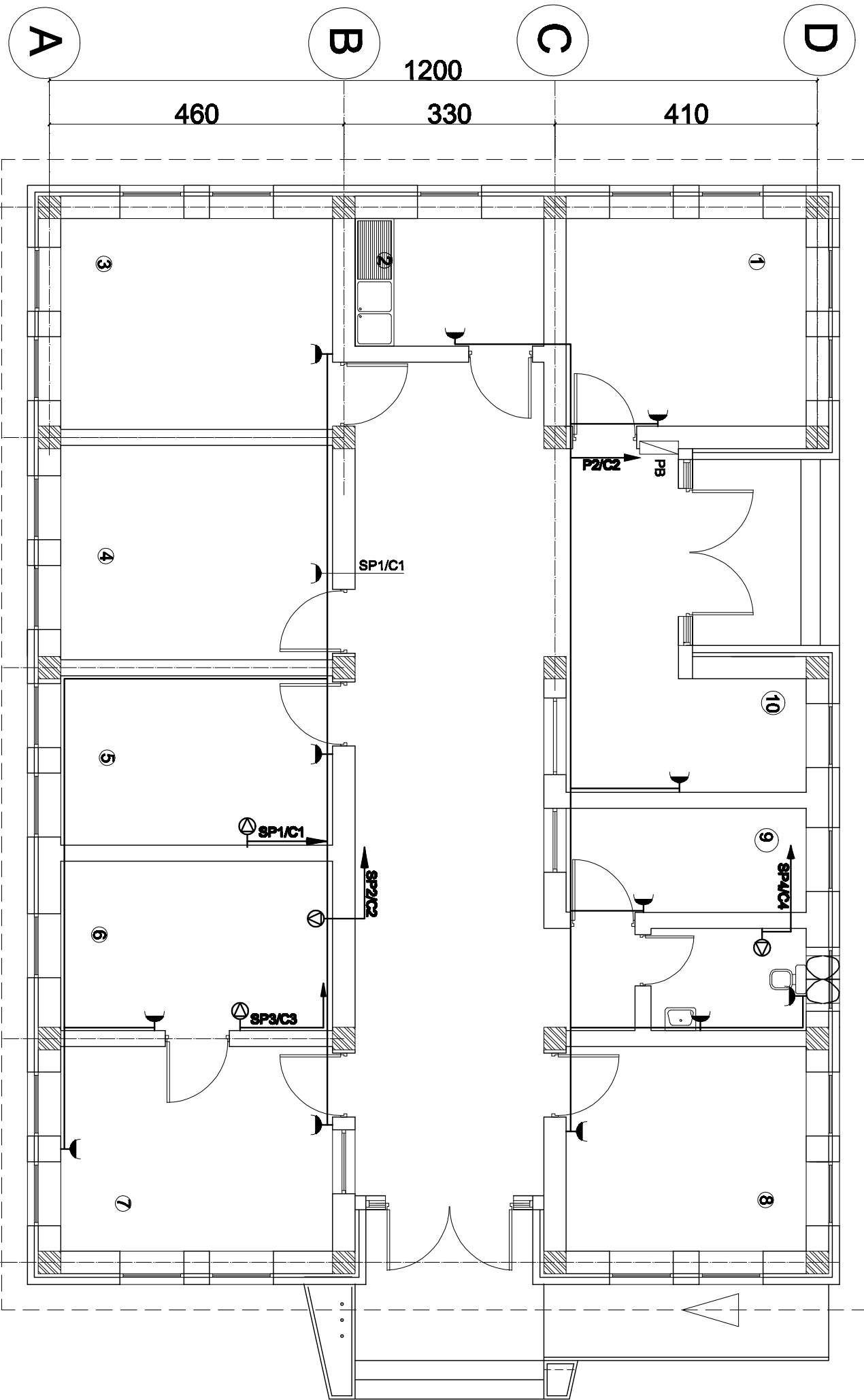


WOODEN STRIP 10X10 CM

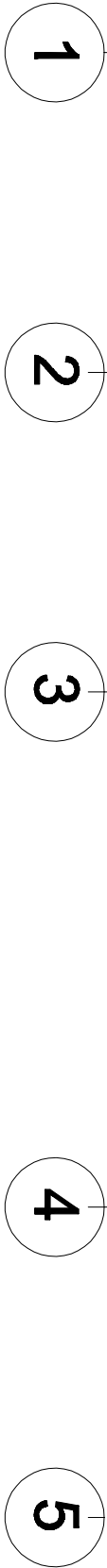
INTERNAL PLASTER 1.5CM
BRICK MASONRY 35CM
INSULATION (POLYSTYRENE)5CM
AIR GAP 1CM
BRICK MASONRY 11CM
EXTERNAL PLASTER 1.5CM

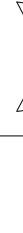
3 DETAIL FOR WALL SECTION.
SCALE =1/25

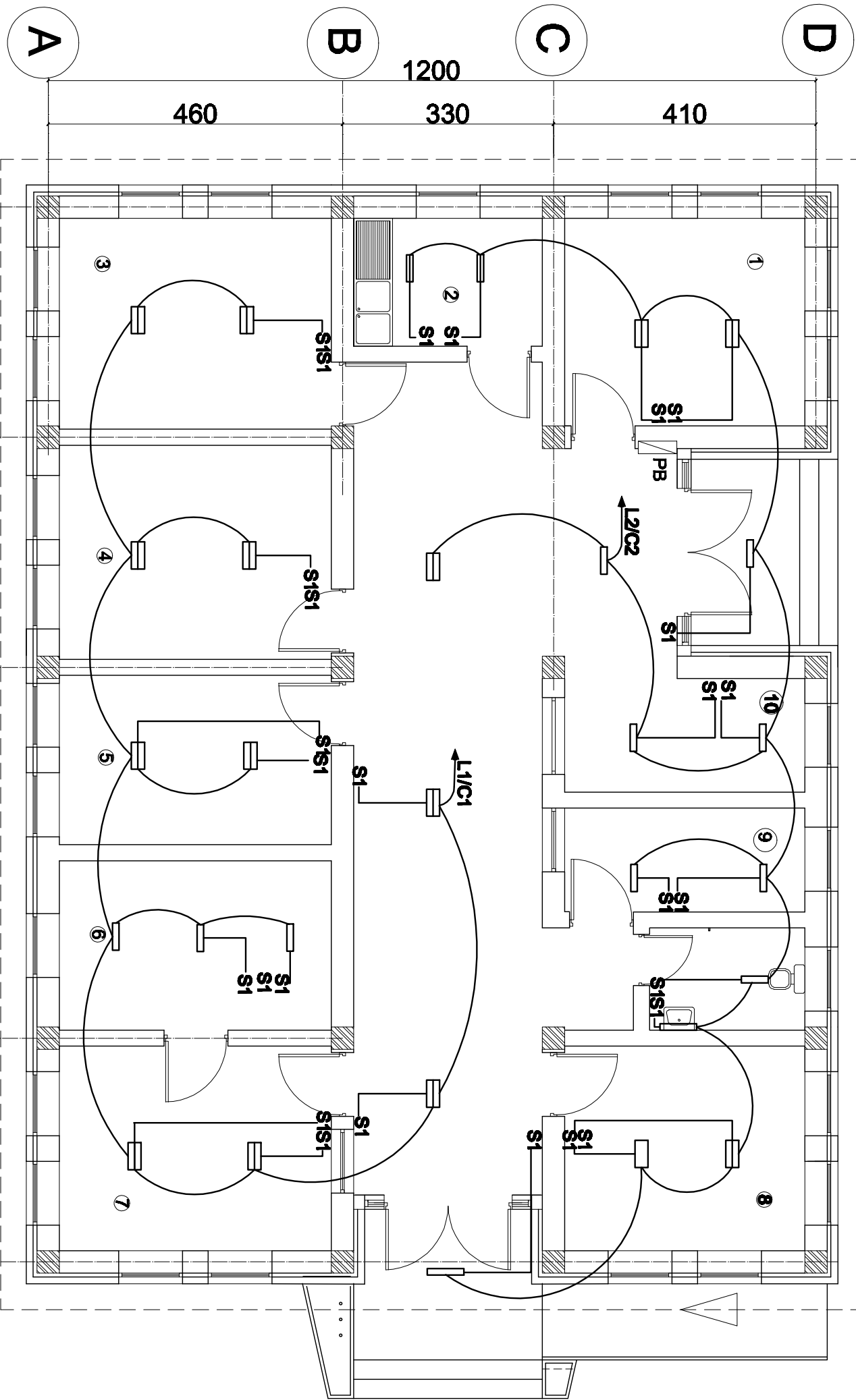
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DRAWING NUMBER	BHC.AR-009											DESIGNED BY					Hr.M.Sober				July-2008						
PROJECT NUMBER												CHECKED BY					Eng.A.Karim				July-2008						
		WALL SECTION										APPROVALS										PROJECT MANAGER					
												PROJECT DIRECTOR															



ELECTRIC-POWER PLAN
SCALE = 1:75



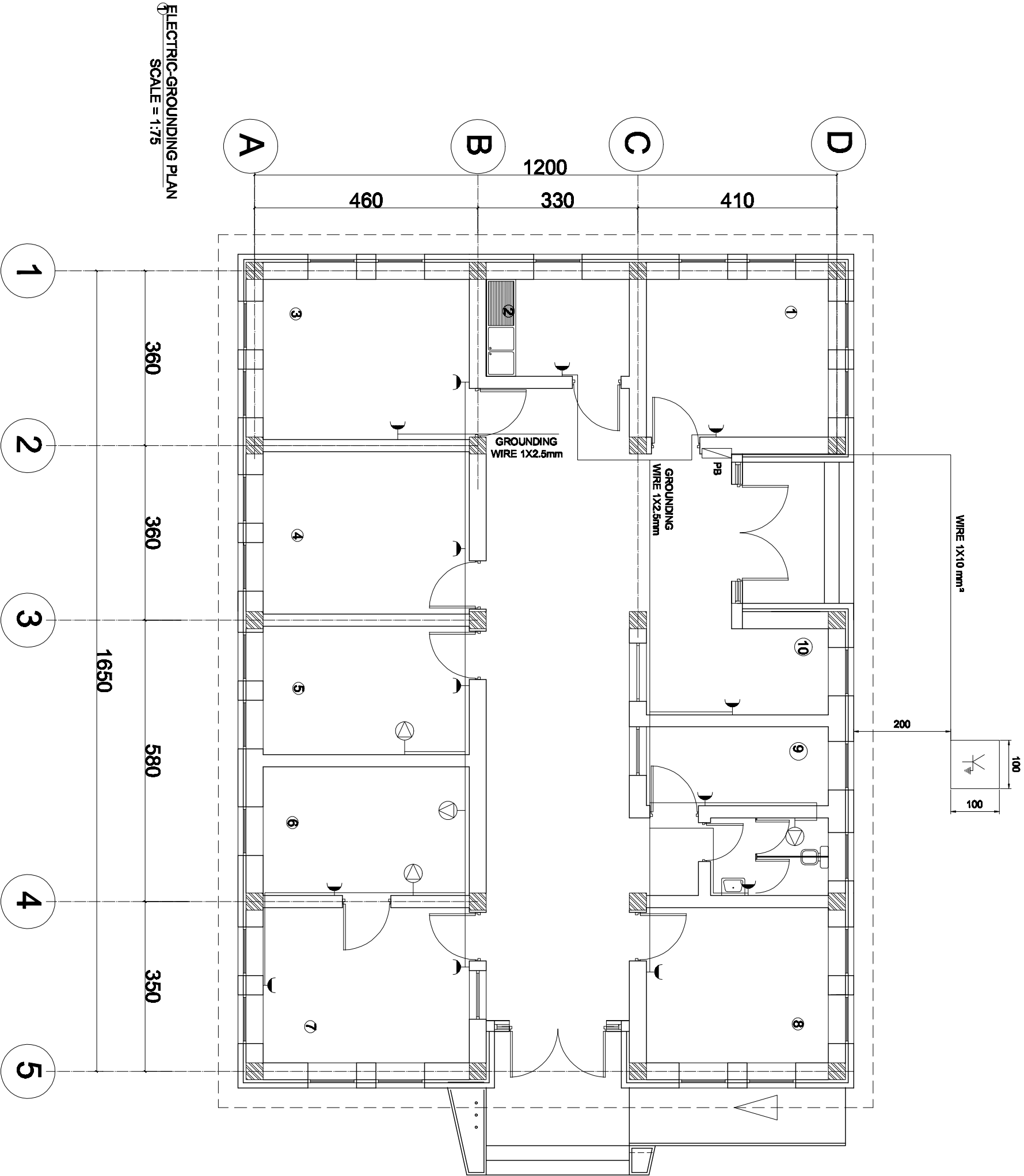
CAD FILE		BASIC HEALTH CLINIC (BHC)										ARCHITECT		CLIENT	RECIPIENT		
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DRAWING NUMBER	BHC.EL-003											CONSULTATIVE ENGINEERING & ARCHITECTURAL GROUP					
PROJECT NUMBER		POWER PLAN										Email: baceag@yahoo.com Mobile: 0700 333 605 , 0700 304 478					



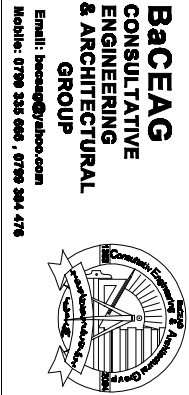
①ELECT-LIGHTING PLAN
SCALE = NTS

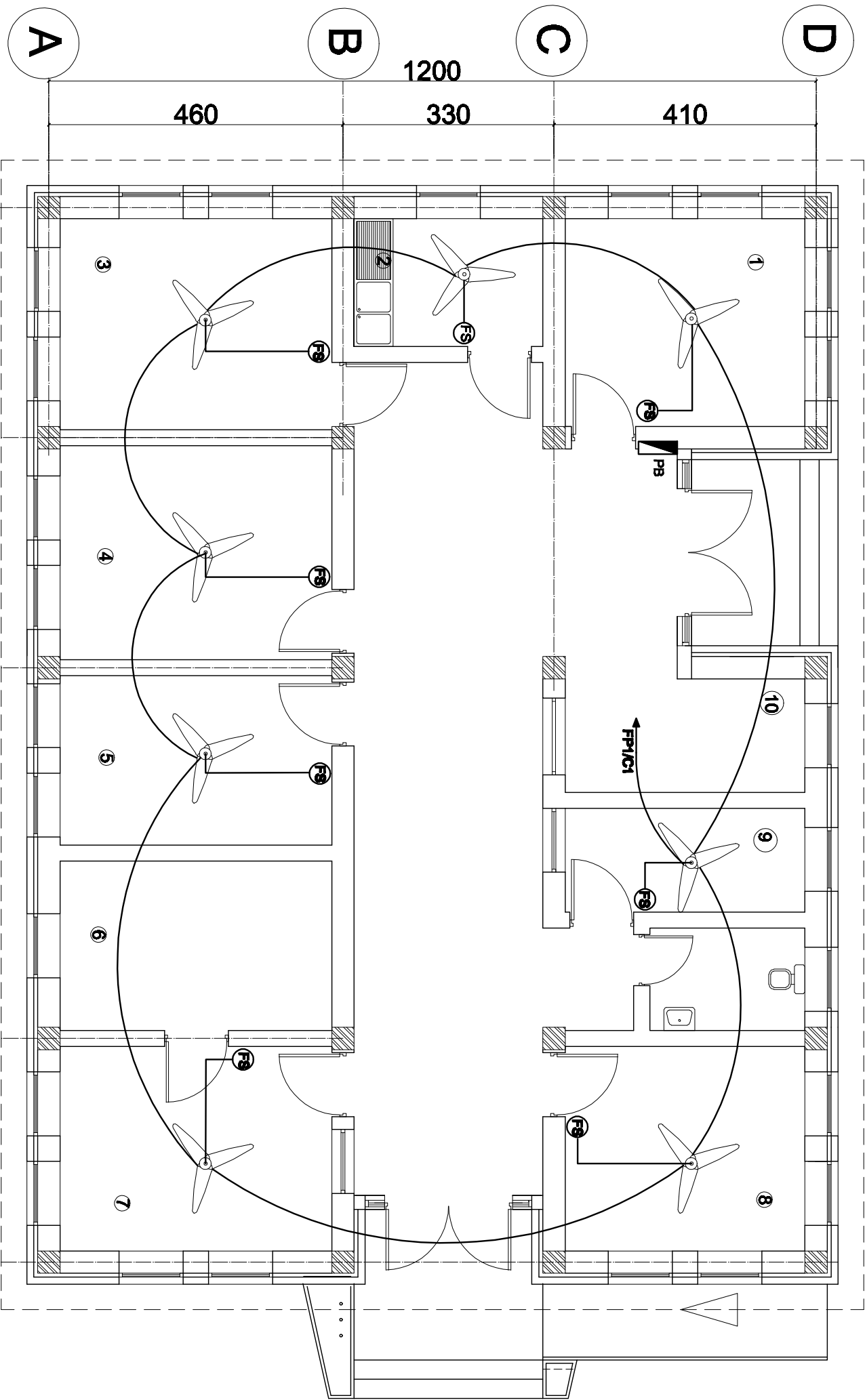
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CAD FILE		BASIC HEALTH CLINIC (BHC)				NO.	REVISION	NAME	INTL.	DATE	PRODUCED BY	INTL.	SIG.	DATE	BASIC HEALTH CLINIC (BHC)		ARCHITECT	CLIENT	RECIPIENT
SCALE	NTS										DESIGNED BY			July-2008			BACEAG		MINISTRY OF PUBLIC HEALTH
DRAWING NUMBER	BHC.EL-001	ELEC, LIGHTING PLAN									CHECKED BY			July-2008			CONSULTATIVE ENGINEERING & ARCHITECTURAL GROUP		AFGHANISTAN
PROJECT NUMBER											PROJECT MANAGER								
											PROJECT DIRECTOR								

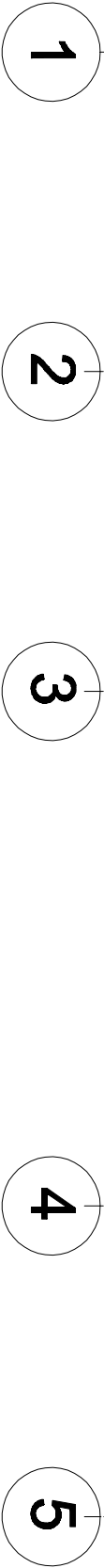






CAD FILE		BASIC HEALTH CLINIC (BHC)					NO.		REVISION		NAME	INITL.	DATE	PRODUCED BY	INTL.	SIG.	DATE	BASIC HEALTH CLINIC (BHC)		ARCHITECT		CLIENT		RECIPIENT
SCALE	1:75													BoCEAG			July-2008			BACEAG CONSULTATIVE ENGINEERING & ARCHITECTURAL GROUP		MINISTRY OF PUBLIC HEALTH		
DRAWING NUMBER	BHC.EL-004	ELEC. GROUNDING PLAN												Eng.M.Amwar			July-2008					AFGHANISTAN		
PROJECT NUMBER														Checked by Eng.A.Karim			July-2008							
														APPROVALS										
														PROJECT MANAGER										
														DIRECTOR										

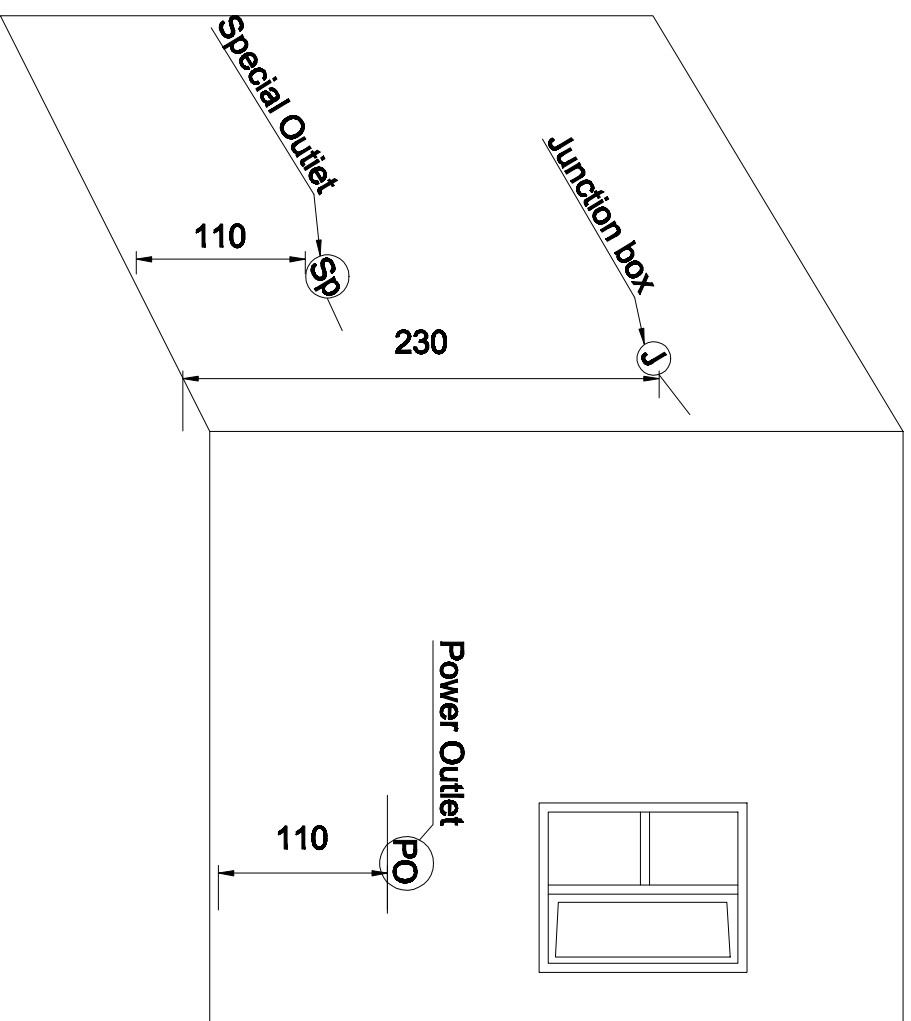
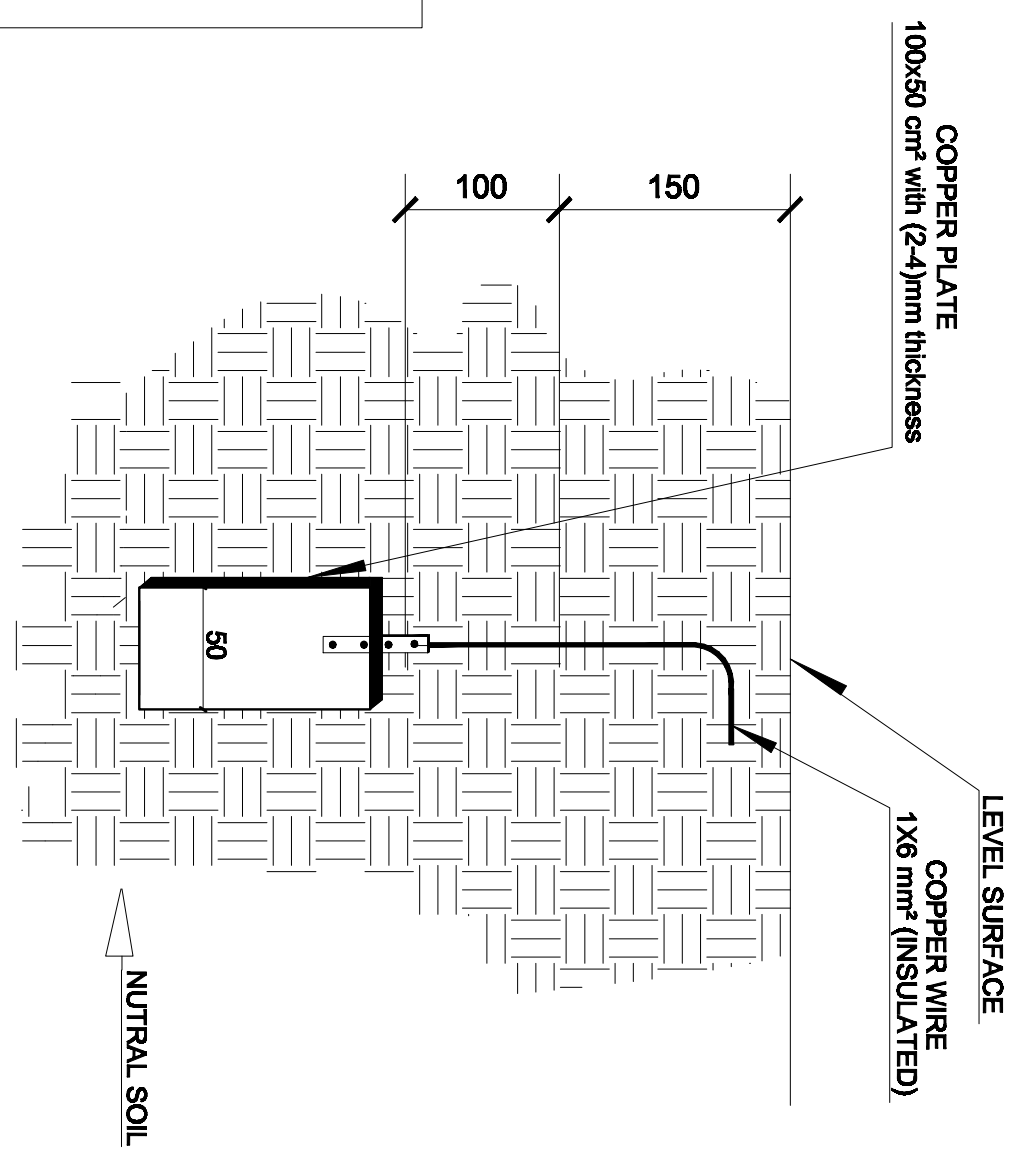
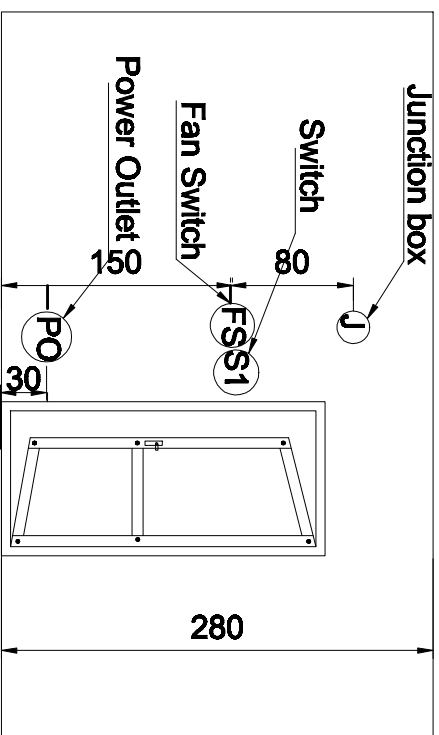




FAN INSTALLATION PLAN
SCALE = NTS



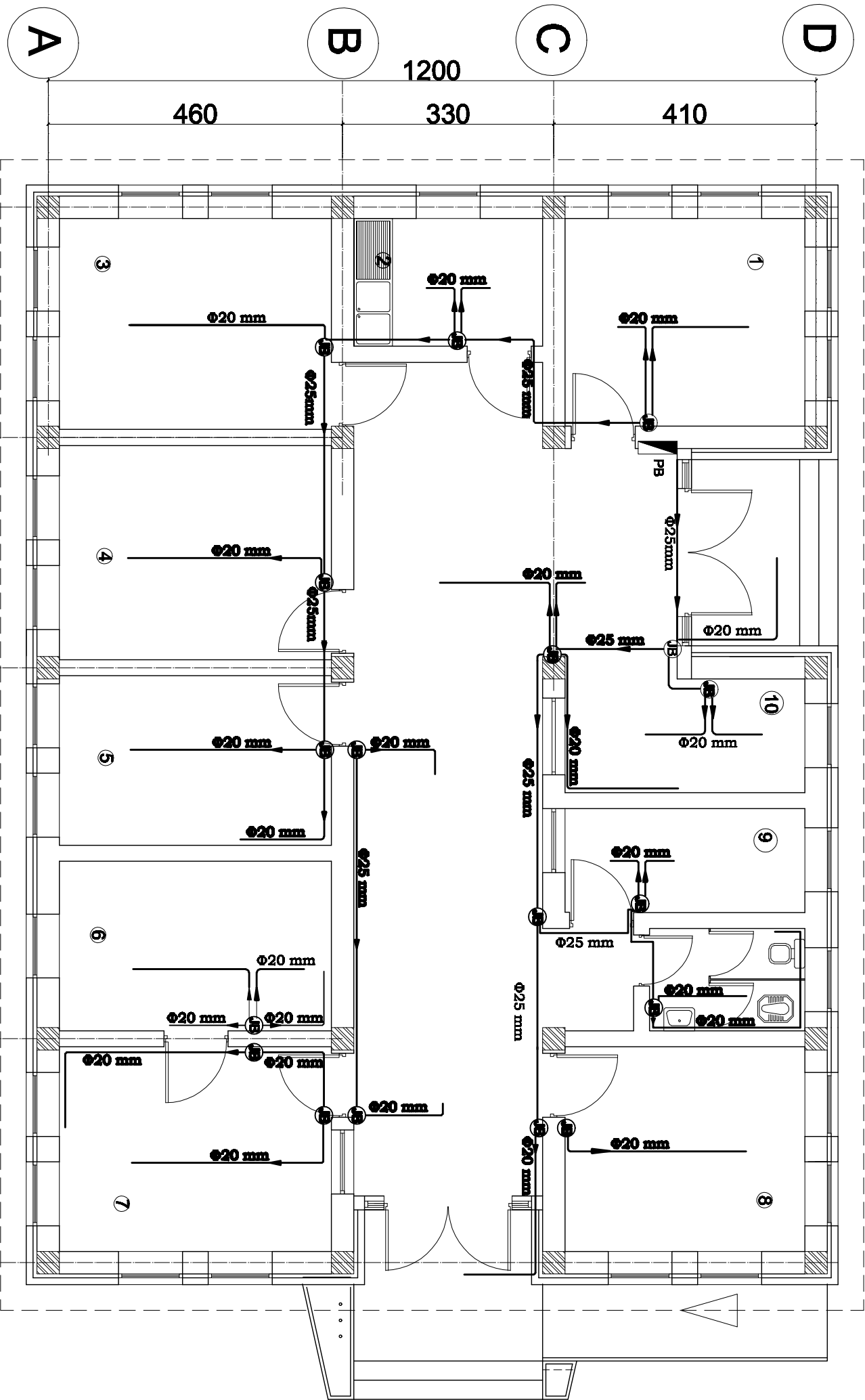
CAD FILE		BASIC HEALTH CLINIC (BHC)										BASIC HEALTH CLINIC (BHC)										FAN INSTALLATION PLAN																								
SCALE	NTS																																													
DRAWING NUMBER	BHC.EL-002																																													
PROJECT NUMBER																																														
		REVISIONS										INTL										DATE																								
	NO.	REVISION					NAME					INTL.					DATE					PRODUCED BY					INTL.					SIG.					DATE									
																											BACEAG										July-2008									
																											DESIGNED BY					Eng.M.Amwar										July-2008				
																											CHECKED BY					Eng.A.Karim										July-2008				
																											APPROVALS																			
																											PROJECT MANAGER																			
																											PROJECT DIRECTOR																			
		BASIC HEALTH CLINIC (BHC)										KABUL - AFGHANISTAN										BASIC HEALTH CLINIC (BHC)										KABUL - AFGHANISTAN														
		ARCHITECT										BACEAG CONSULTATIVE ENGINEERING & ARCHITECTURAL GROUP										BACEAG CONSULTATIVE ENGINEERING & ARCHITECTURAL GROUP										BACEAG CONSULTATIVE ENGINEERING & ARCHITECTURAL GROUP														
		Email: baceag@yahoo.com Mobile: 9786 335 686 , 9786 304 478										Email: baceag@yahoo.com Mobile: 9786 335 686 , 9786 304 478										Email: baceag@yahoo.com Mobile: 9786 335 686 , 9786 304 478										Email: baceag@yahoo.com Mobile: 9786 335 686 , 9786 304 478														
																																														
		CLIENT										MINISTRY OF PUBLIC HEALTH AFGHANISTAN										MINISTRY OF PUBLIC HEALTH AFGHANISTAN										MINISTRY OF PUBLIC HEALTH AFGHANISTAN														
		RECIPIENT																																												



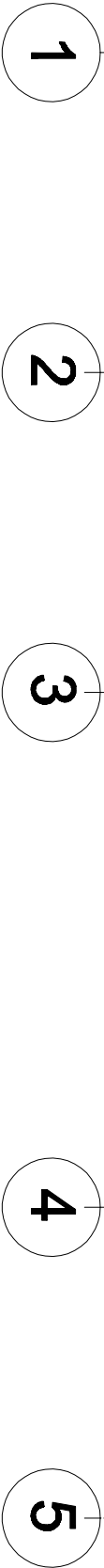
**POWER OUTLET INSTALLATION
AND GROUNDING DETAIL**

1 **SCALE = NTS**

[illegible]












CONDUIT AND JUNCTION
BOXES INSTALLATION PLAN
SCALE = NTS










CAD FILE		BASIC HEALTH CLINIC (BHC)					CONDUIT & JUNCTION BOXES INSTALLATION PLAN				
SCALE	NTS	NO.	REVISION	NAME	INTL.	DATE	PRODUCED BY	INTL.	SIG.	DATE	
DRAWING NUMBER	BHC-EL-005						DESIGNED BY Eng.M.Amwar			July-2008	
PROJECT NUMBER							CHECKED BY Eng.A.karim	APPROVALS		July-2008	
							PROJECT MANAGER				
							DIRECTOR				
BASIC HEALTH CLINIC (BHC)					ARCHITECT					CLIENT	RECIPIENT
KABUL - AFGHANISTAN					BACEAG CONSULTATIVE ENGINEERING & ARCHITECTURAL GROUP					MINISTRY OF PUBLIC HEALTH AFGHANISTAN	
					Email: baceag@yahoo.com Mobile: 9799 335 699 , 9799 304 478						

POWER AND LIGHTING LEGEND









L/C

P/C

FP/C

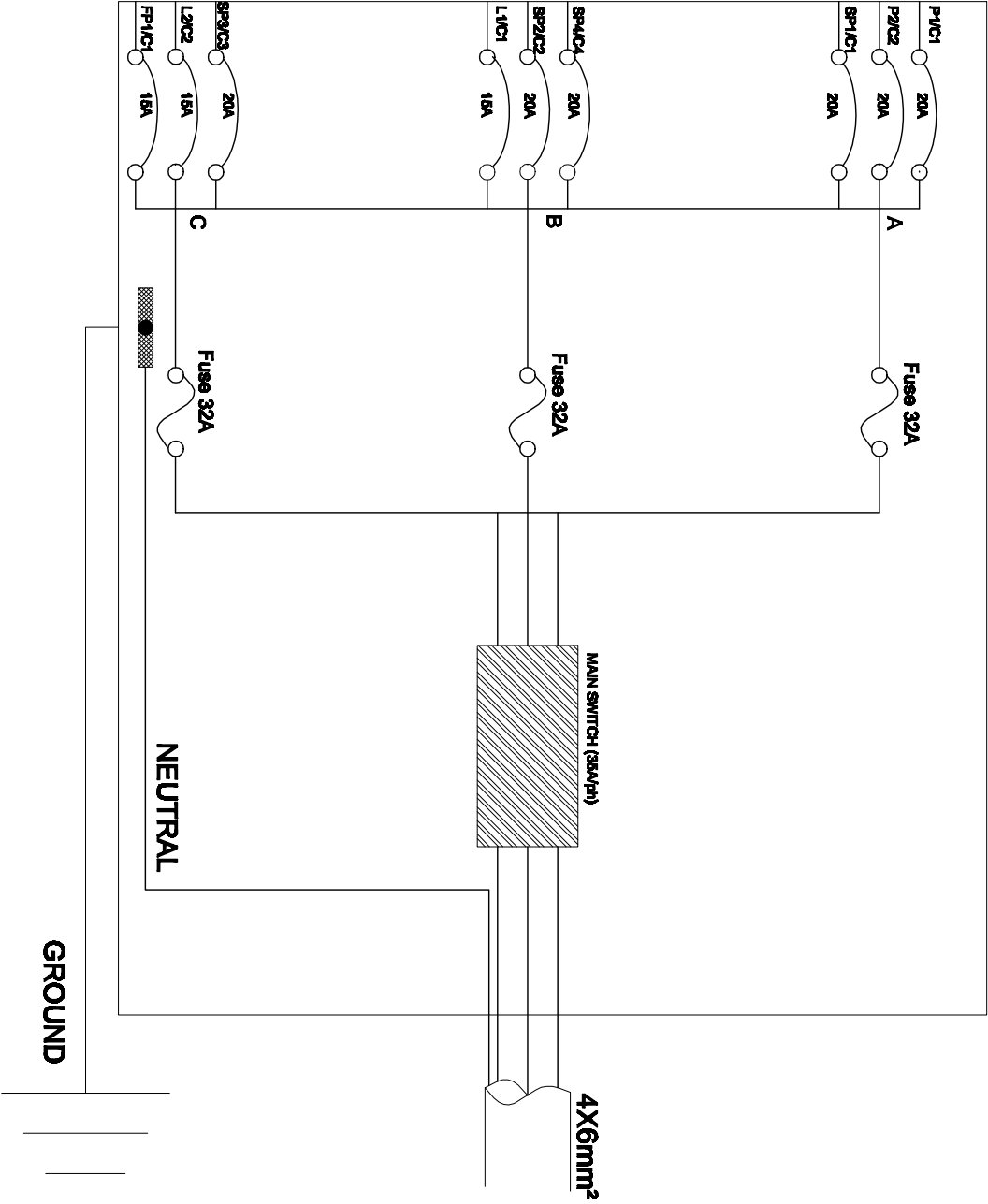
SP/C

Lighting Circuit

Power Circuit

Fan Power Circuit

Special Power Circuit



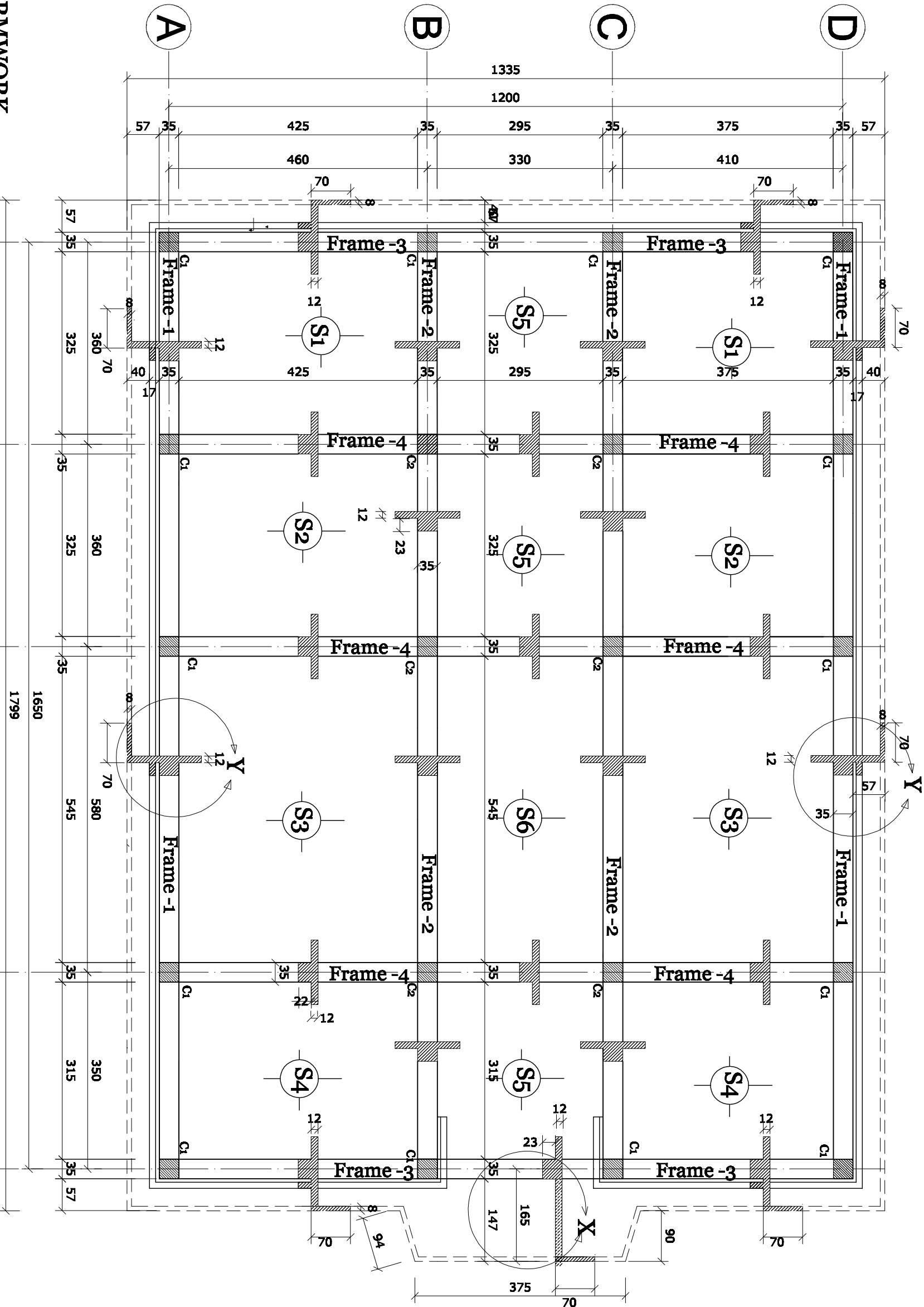
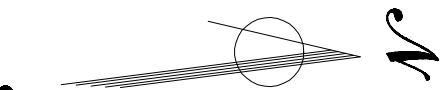
PANEL BOARD NAME PB
PANEL BOARD TYPE MAIN SWITCH
PANEL BOARD LOCATION GROUND FLOOR

C.B. No.	CONDUIT SIZE	TRIP AMP.	MAX. CURRENT	WIRE SIZE	LOCATION	LOAD SERVED	LOAD V.A	
							V.A	PHASE
P2/C2	ø20mm	20	12.27	3(1X2.5mm²)	R3-R7	SOCKETS	2700	A
P1/C1	ø20mm	20	12	3(1X2.5mm²)	R1,R2,R8 - R10	SOCKETS	2840	A
SP1/C1	ø25mm	20	9.1	3(1X4mm²)	ROOM # 5	S - SOCKETS	2000	A
SPARE							1500	A
L1/C1	ø20mm	15	8.36	2(1X2.5mm²)	R3-R7	LAMPS	1840	B
SP2/C2	ø25mm	20	18.2	3(1X4mm²)	ROOM # 6	S - SOCKETS	4000	B
SP4/C4	ø25mm	20	9.1	3(1X4mm²)	TOILET	S - SOCKETS	2000	B
SPARE							1500	B
L2/C2	ø20mm	15	7.63	2(1X2.5mm²)	R1,R2,R8 - R10	LAMPS	1880	C
FP1/C1	ø20mm	15	8	2(1X2.5mm²)	ALL ROOMS	FANS	1760	C
SP3/C3	ø25mm	20	18.3	3(1X4mm²)	ROOM # 6	S - SOCKETS	4000	C
SPARE							1500	C

TOTAL LOAD IN (PB) = 22.62KVA
PHASE BALANCE A=7340 B=7840VA C= 7440VA
SPARE LOAD 20% = 4.5KVA
PHASE BALANCE A= 1500A B= 1500VA C=1500VA

ELECTRICAL LEGEND AND
LOAD DISTRIBUTION PLAN
1 SCALE = NTS

CAD FILE		REVISIONS				INITL	SIG.	DATE	BASIC HEALTH CLINIC (BHC)	
SCALE	NTS	NO.	REVISION	NAME	INITL.	DATE			BOCEAG	July-2008
DRAWING NUMBER	BHC.EL-010								Eng.M.Amior	July-2008
PROJECT NUMBER									Eng.A.Karim	July-2008
ELECTRICAL LEGEND & LOAD DISTRIBUTION PLAN		APPROVALS		PROJECT MANAGER		PROJECT DIRECTOR		KABUL - AFGHANISTAN		
								ARCHITECT		
								BACEAG CONSULTATIVE ENGINEERING & ARCHITECTURAL GROUP		
								Email: baceag@yahoo.com Mobile: 0799 335 888 , 0799 304 478		
								CLIENT		
								MINISTRY OF PUBLIC HEALTH AFGHANISTAN		
								RECIPIENT		



SLAB FORMWORK


1


2

3

4

5

CAD FILE		BASIC HEALTH CLINIC										ARCHITECT	CLIENT	RECIPIENT
SCALE	1:75	(BHC)												
DRAWING NUMBER	BHC-ST-004													
PROJECT NUMBER		SLAB FORM WORK PLAN												
		NO.		REVISION		NAME		INTL.		DATE			MINISTRY OF PUBLIC HEALTH AFGHANISTAN	

CAD FILE		BASIC HEALTH CLINIC (BHC)										BASIC HEALTH CLINIC (BHC)										ARCHITECT BACEAG CONSULTATIVE ENGINEERING & ARCHITECTURAL GROUP 										CLIENT MINISTRY OF PUBLIC HEALTH AFGHANISTAN										RECIPIENT									
SCALE	1:75																																																		
DRAWING NUMBER	BHC-ST-005																																																		
PROJECT NUMBER		SLAB REINFORCEMENT PLAN																																																	
		REVISIONS																																																	
		NO.	REVISION	NAME	INTL.	DATE	PRODUCED BY	INTL.	SIG.	DATE																																									
							DESIGNED BY			July-2008																																									
							Eng.Murad			July-2008																																									
							CHECKED BY			July-2008																																									
							Eng.A.Karim																																												
							APPROVALS																																												
							PROJECT MANAGER																																												
							PROJECT DIRECTOR																																												

BASIC HEALTH CLINIC (BHC)

BACEAG

CONSULTATIVE
ENGINEERING
& ARCHITECTURAL
GROUP

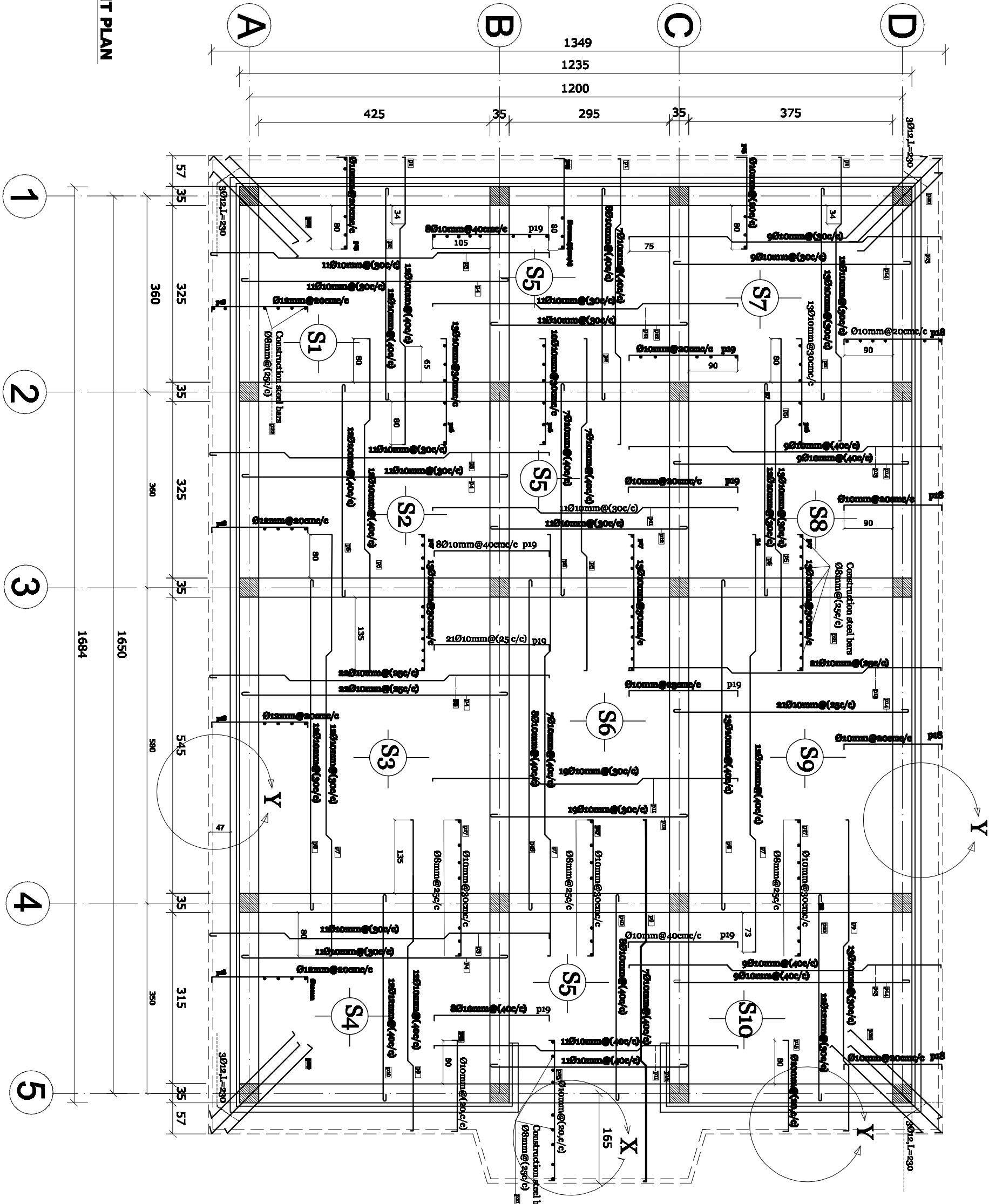
Multi Services@afghanistan

Mobile: 999 200 000 , 999 204 499

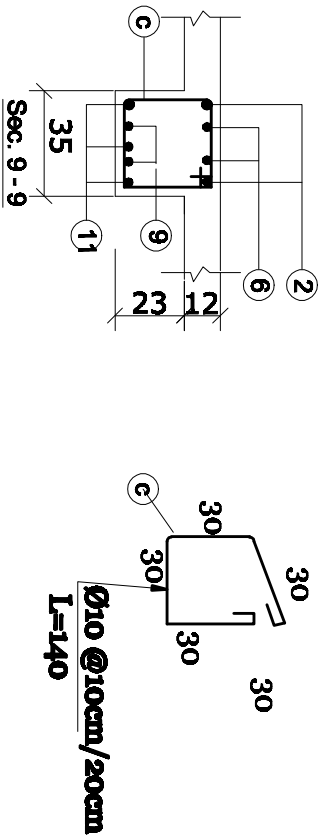
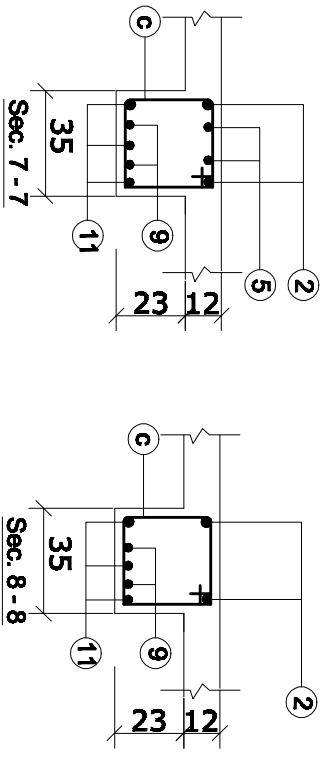
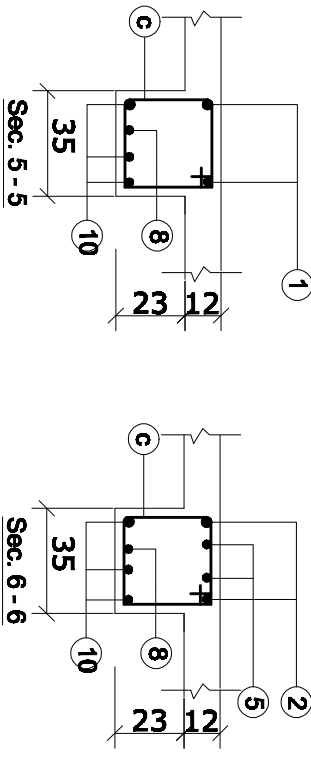
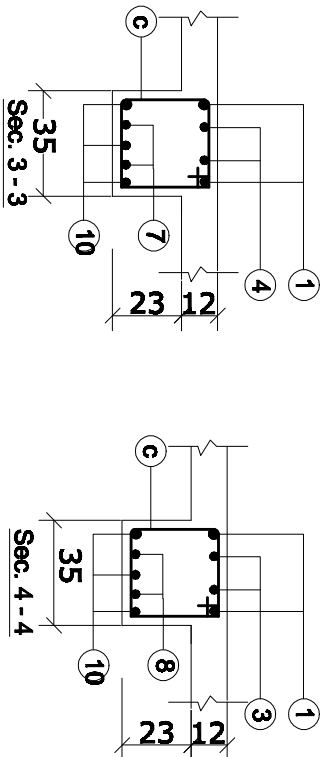
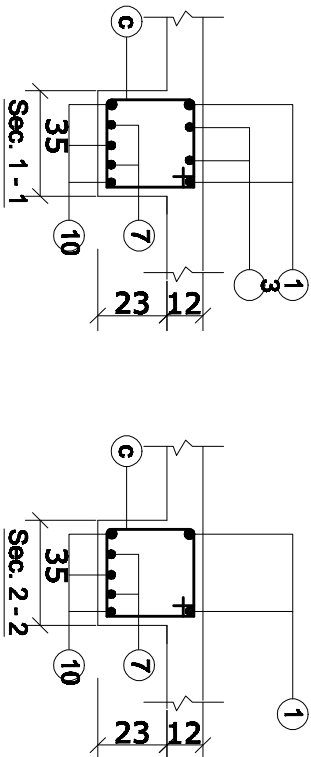
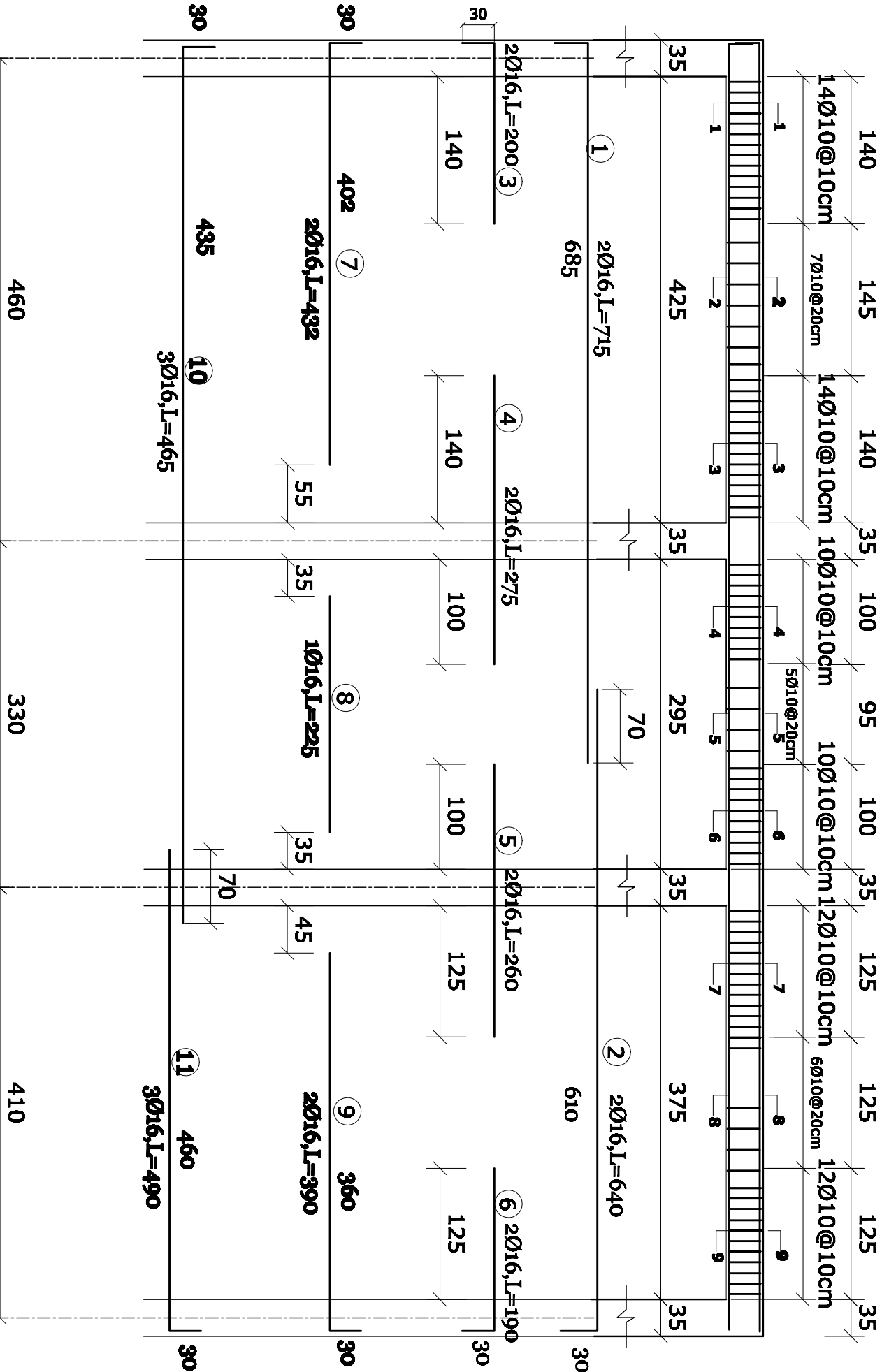


MINISTRY OF PUBLIC HEALTH
AFGHANISTAN

SLAB REINFORCEMENT PLAN



Frame -4 (3Num.)



CADD FILE		REVISIONS				INTL.		SIG.		DATE		ARCHITECT		CLIENT		RECIPIENT	
SCALE	1:50, 1:25	NO.	REVISION	NAME	INTL.	DATE	PRODUCED BY	INTL.	SIG.	DATE		BACEAG CONSULTATIVE ENGINEERING & ARCHITECTURAL GROUP		MINISTRY OF PUBLIC HEALTH			
DRAWING NUMBER	BHC-ST-013			DESIGNED BY			Eng. Murodi			July-2008							
				CHECKED BY			Eng. A. Karim			July-2008							
PROJECT NUMBER				APPROVALS													
				PROJECT MANAGER													
				PROJECT DIRECTOR													
BASIC HEALTH CLINIC (BHC)		FRAME - 4 & SECTIONS															

BASIC HEALTH CLINIC (BHC)

KABUL - AFGHANISTAN

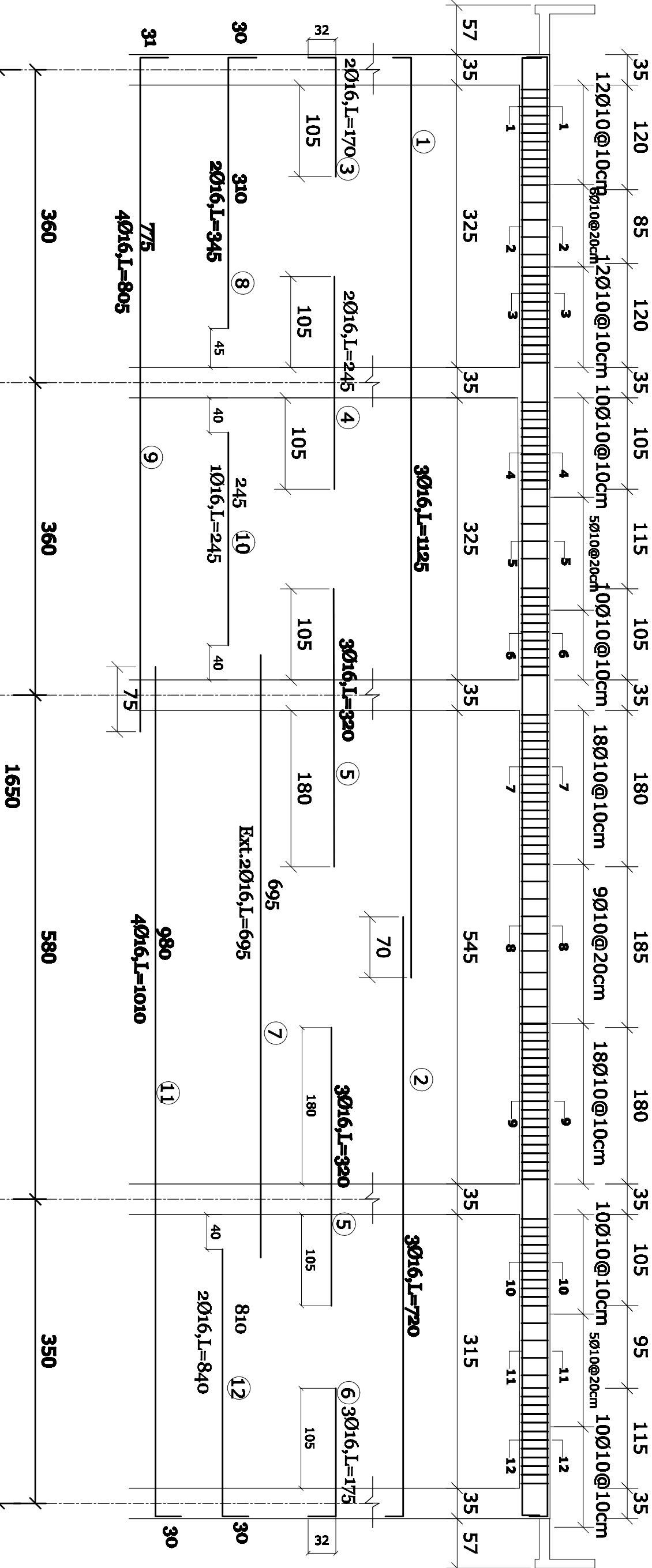
BACEAG CONSULTATIVE ENGINEERING & ARCHITECTURAL GROUP



MINISTRY OF PUBLIC HEALTH

AFGHANISTAN

Frame -1 (2NNum.)




1

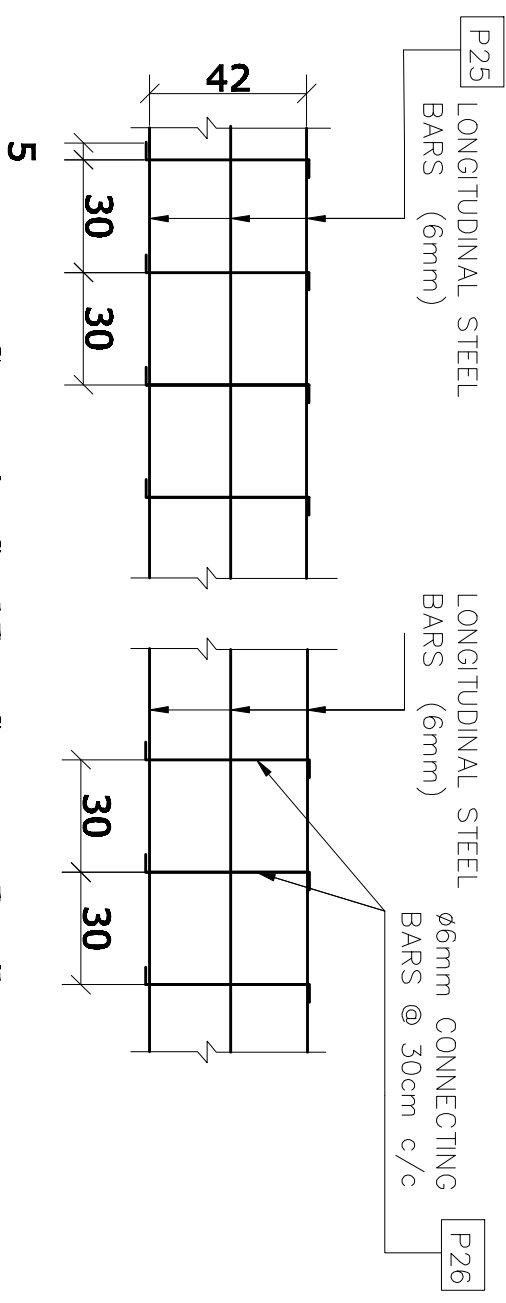
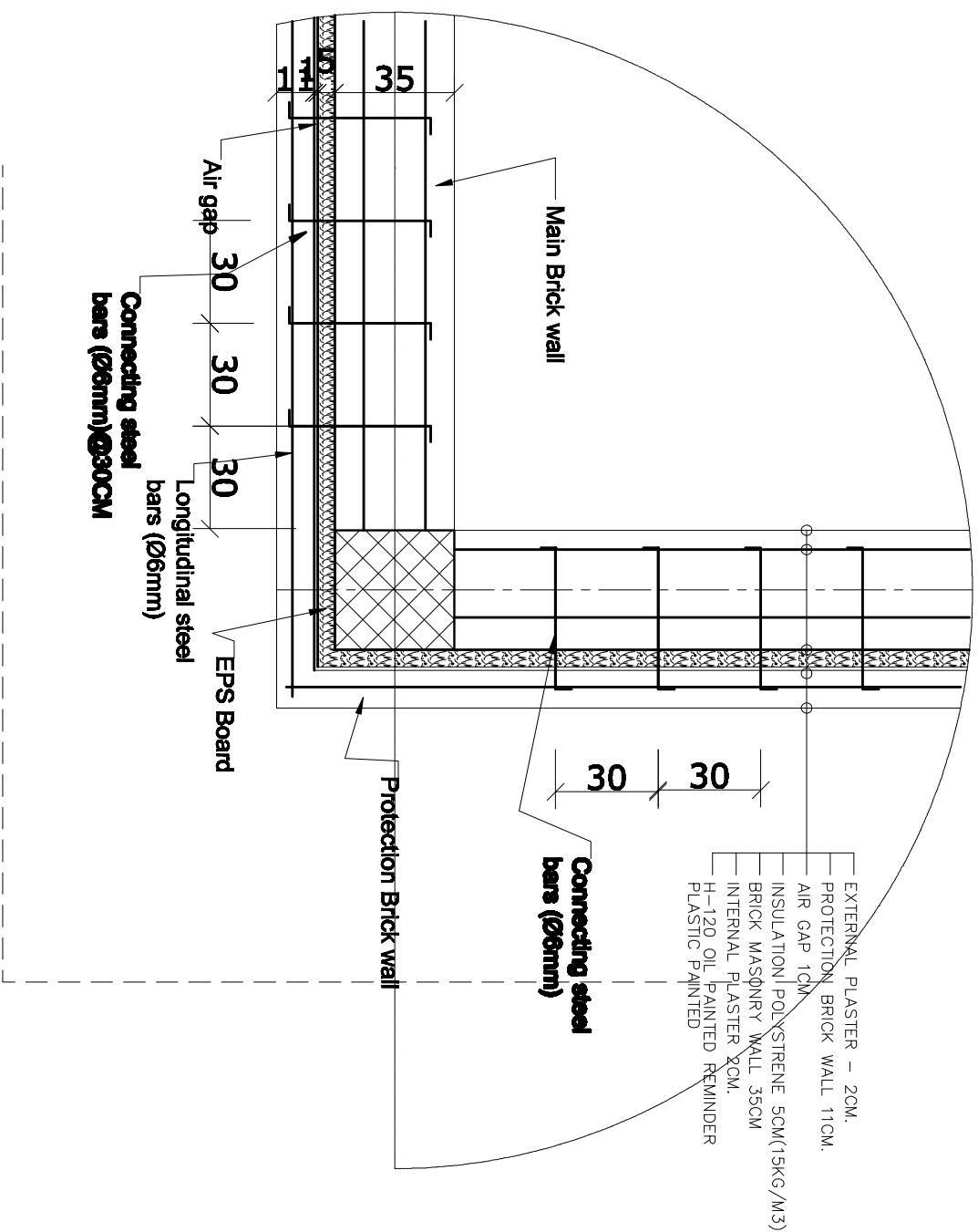
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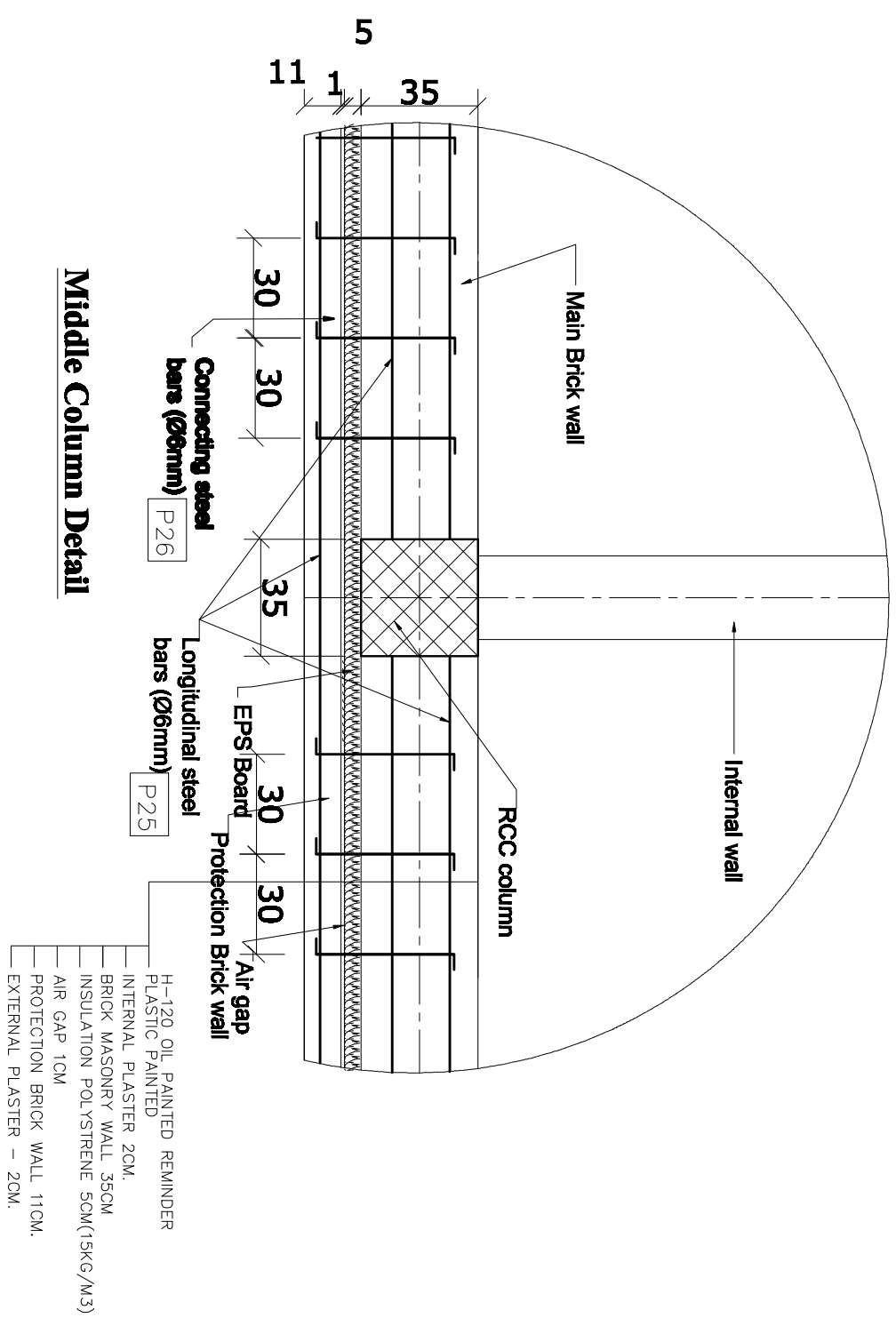
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5

CAD FILE		BASIC HEALTH CLINIC (BHC)										ARCHITECT		CLIENT	RECIPIENT
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DRAWING NUMBER	BHC-ST-008	FRAME - 1 REINFORCEMENT													
PROJECT NUMBER															




Connection Steel Bars Structure Detail

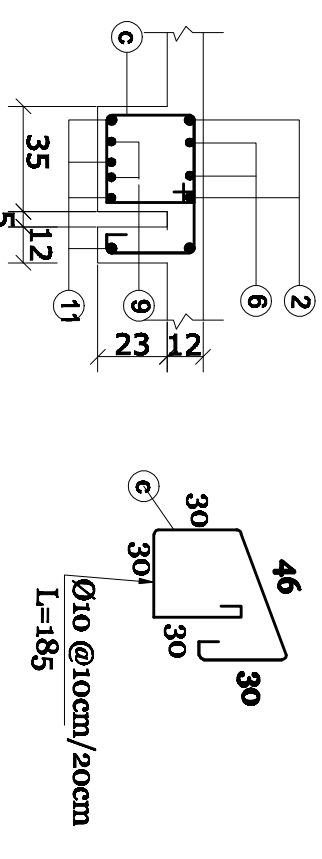
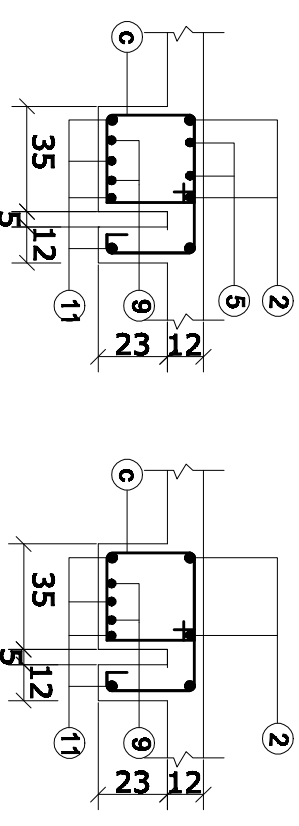
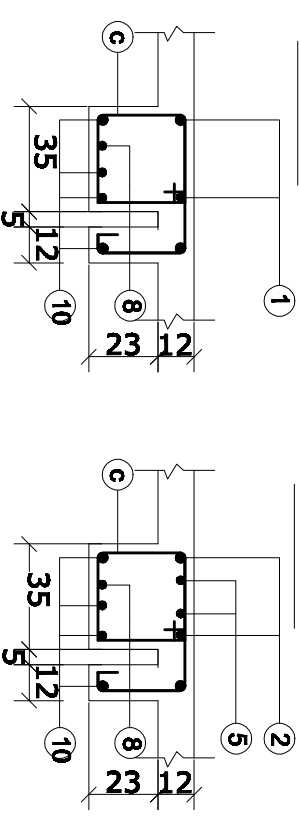
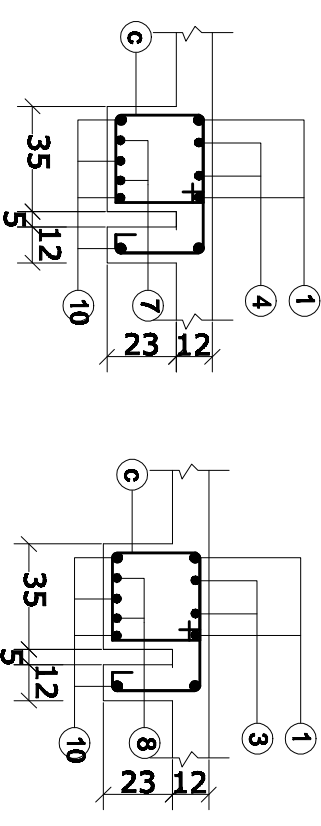
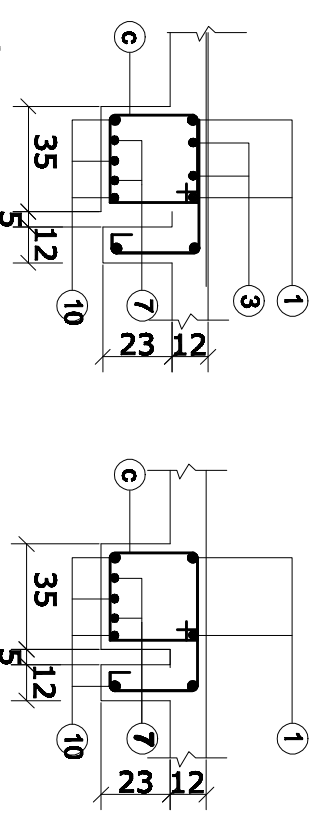
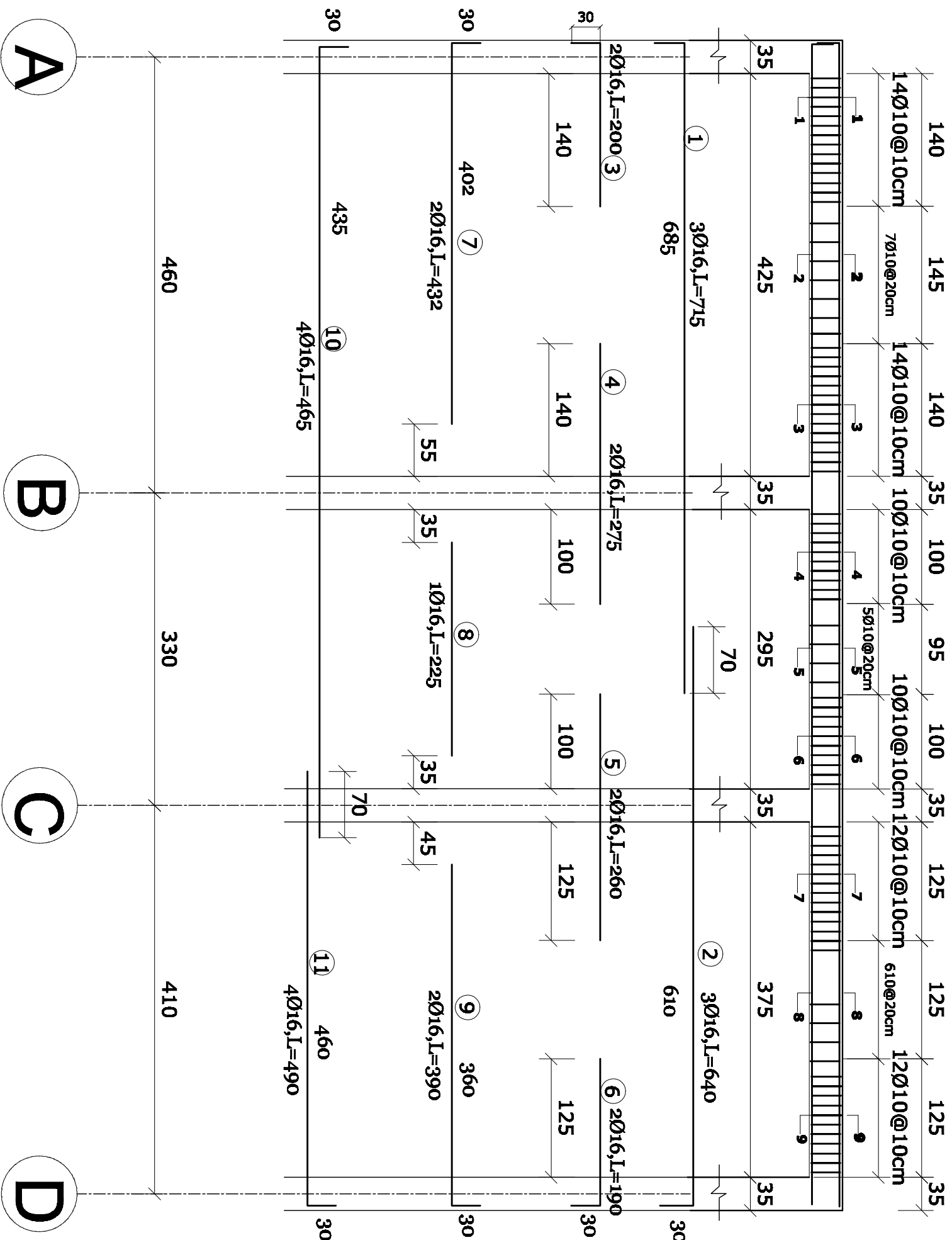



Corner Column Detail

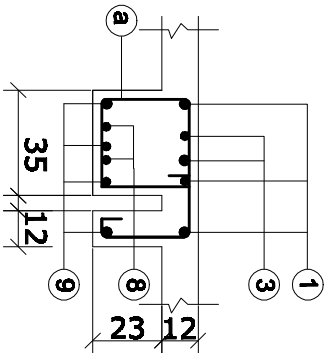
Middle Column Detail

CAD FILE		BASIC HEALTH CLINIC (BHC)										BASIC HEALTH CLINIC (BHC)		ARCHITECT		CLIENT MINISTRY OF PUBLIC HEALTH AFGHANISTAN	RECIPIENT	
SCALE	1:20													BACEAG CONSULTATIVE ENGINEERING & ARCHITECTURAL GROUP Email: baceag@baceag.com Mobile: 999 999 999 , 999 999 999				
DRAWING NUMBER	BHC-ST-014																	
PROJECT NUMBER		WALL CONNECTION DETAILS																
		REVISIONS																
		NO.	REVISION	NAME	INTL.	DATE	PRODUCED BY	INTL.	SG.	DATE								
							BoCEAG			July-2008								
							DESIGNED BY	Eng.Murad		July-2008								
							CHECKED BY	Eng.Akram		July-2008								
							APPROVALS											
							PROJECT MANAGER											
							PROJECT DIRECTOR											

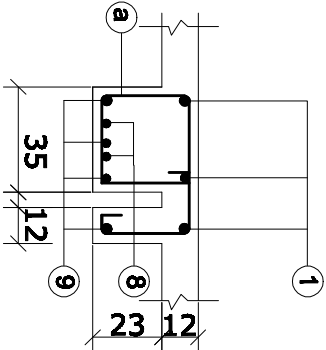
Frame-3 (2Num.)



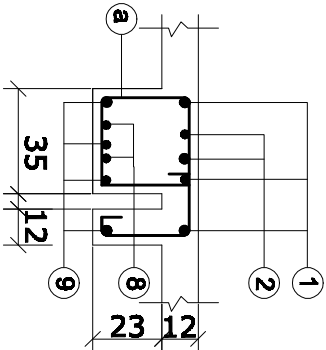
C/O FILE												ARCHITECT		CLIENT		RECIPIENT									
SCALE		1:50, 1:25										BACEAG CONSULTATIVE ENGINEERING & ARCHITECTURAL GROUP  Email: baceag@baceag.com Mobile: 9999 388 688 , 9999 384 498		MINISTRY OF PUBLIC HEALTH AFGHANISTAN											
DRAWING NUMBER		BHC-ST-012																							
PROJECT NUMBER																									
BASIC HEALTH CLINIC (BHC) FRAME - 3 & SECTIONS												REVISIONS						INTL.		SIG.		DATE			
												NO.		REVISION		NAME								INTL.	
																				PRODUCED BY		BACEAG		July-2008	
																				DESIGNED BY		Eng.Muradi		July-2008	
																				CHECKED BY		Eng.A.Korfin		July-2008	
																				APPROVALS					
																				PROJECT MANAGER					
																				PROJECT DIRECTOR					
BASIC HEALTH CLINIC (BHC) KABUL - AFGHANISTAN																									



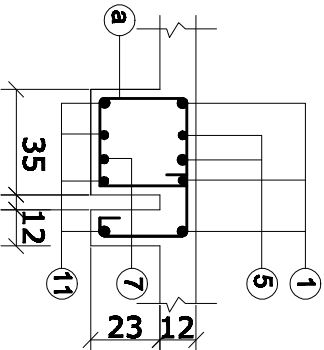
Sec. 1-1



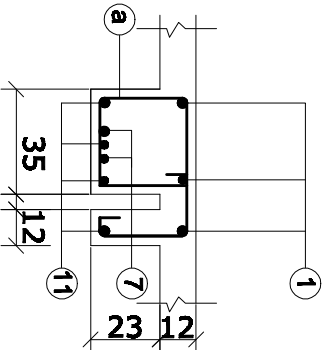
Sec. 2-2



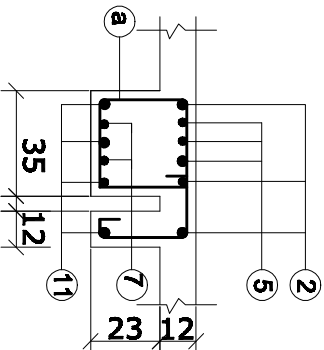
Sec. 3-3



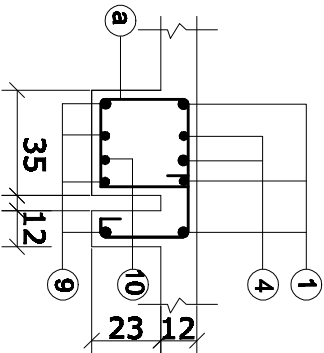
Sec. 7-7



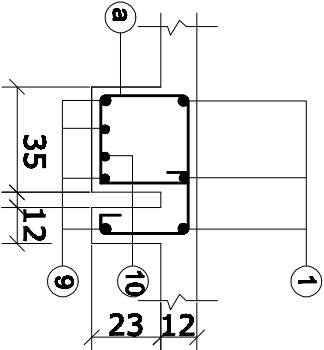
Sec. 8-8



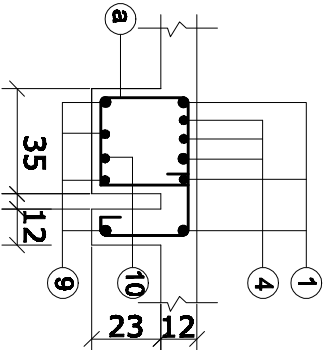
Sec. 9-9



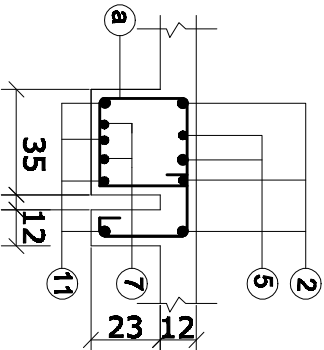
Sec. 4-4



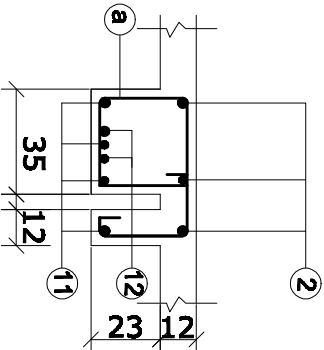
Sec. 5-5



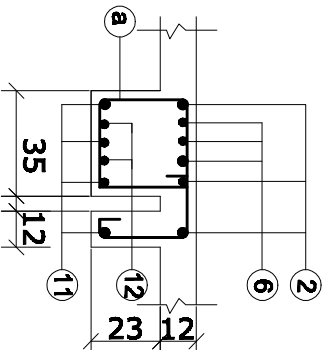
Sec. 6-6



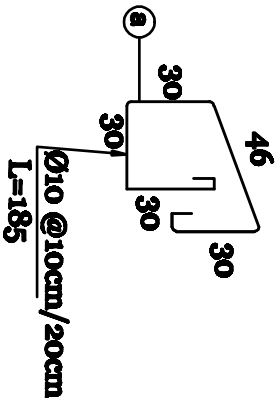
Sec. 10-10



Sec. 11-11

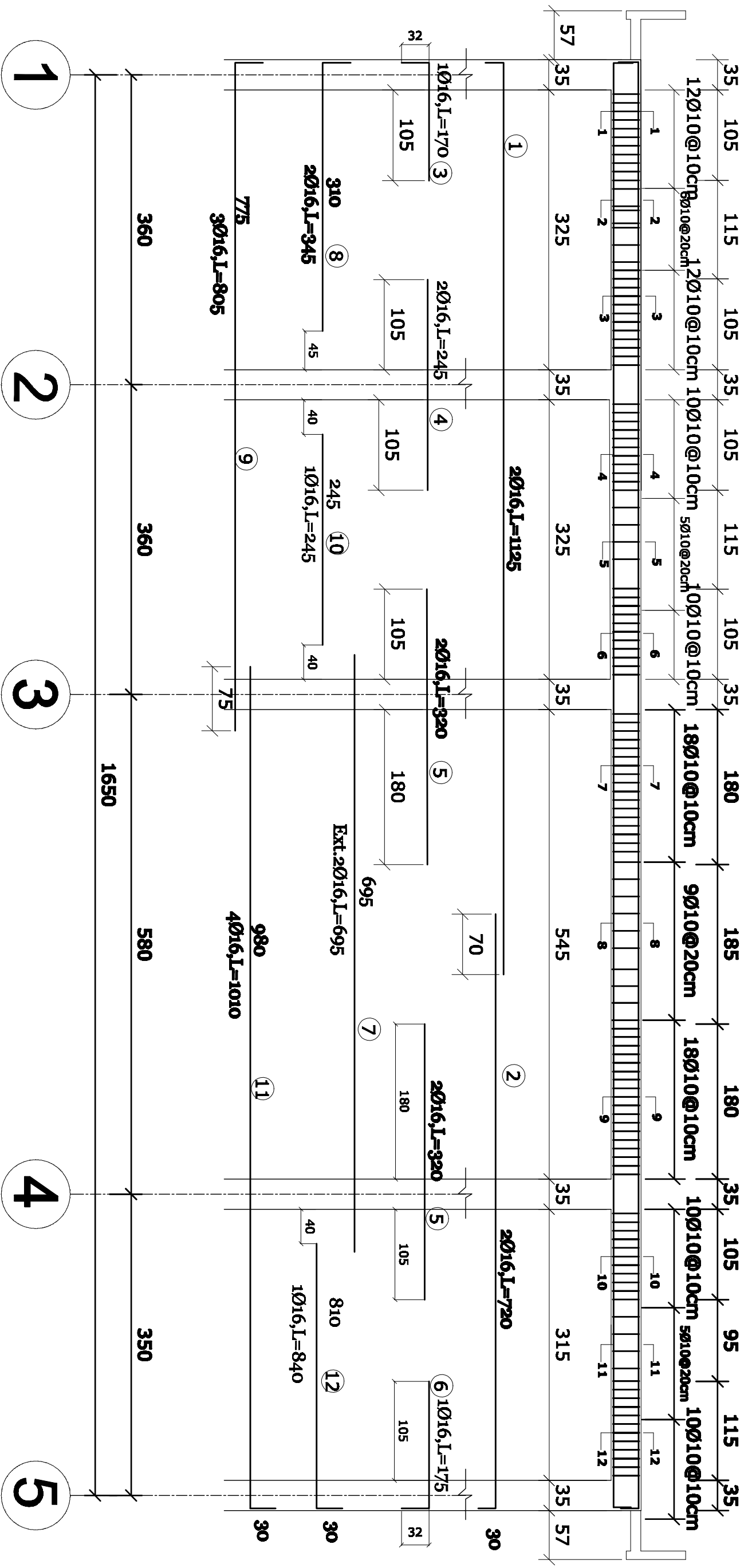



Sec. 12-12

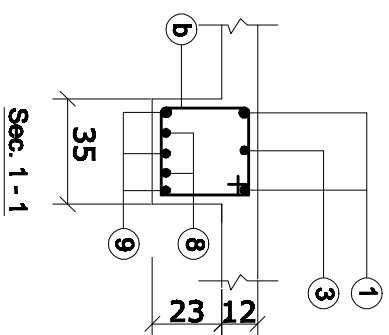


CADD FILE																	
SCALE		1:25															
DRAWING NUMBER		BHC.ST-009															
PROJECT NUMBER																	
BASIC HEALTH CLINIC (BHC)														SECTION FOR FRAME - 1			

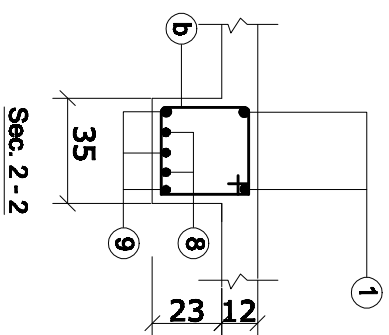
Frame - 2 (2Num.)



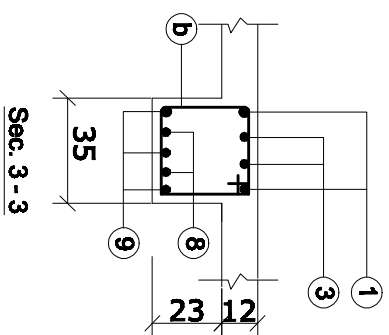
COO FILE		BASIC HEALTH CLINIC (BHC)									
SCALE	1:50										
DRAWING NUMBER	BHC-ST-010										
PROJECT NUMBER		FRAME - 2 REINFORCEMENT									
		REVISIONS									
	NO.	REVISION	NAME	INTL	DATE	PRODUCED BY	INTL	SIG.	DATE		
						BaCEAG			July-2008		
						Eng.Murad			July-2008		
						CHECKED BY	Eng.A.Karim		July-2008		
						APPROVALS					
						PROJECT MANAGER					
						PROJECT DIRECTOR					
		BASIC HEALTH CLINIC (BHC)									
		KABUL - AFGHANISTAN									
		ARCHITECT									
		BaCEAG CONSULTATIVE ENGINEERING & ARCHITECTURAL GROUP									
											
		CLIENT									
		MINISTRY OF PUBLIC HEALTH									
		AFGHANISTAN									
		RECIPIENT									



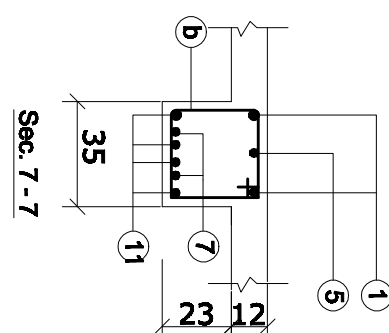
Sec. 1 - 1



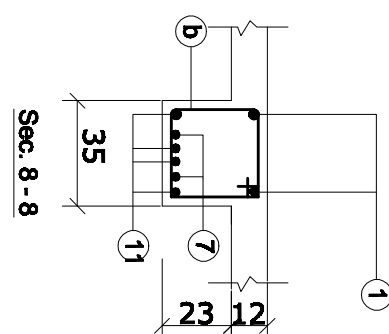
Sec. 2 - 2



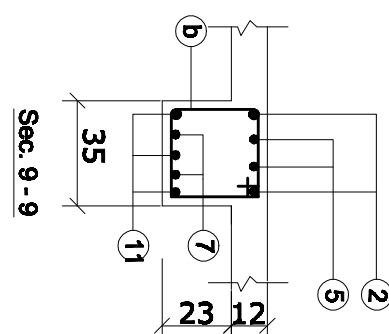
Sec. 3 - 3



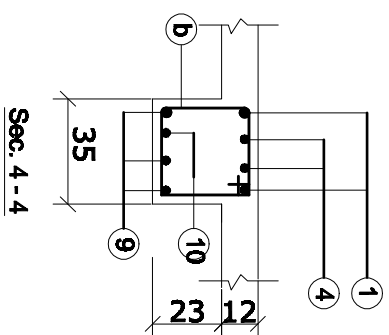
Sec. 7 - 7



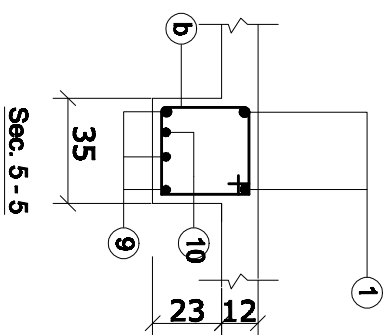
Sec. 8 - 8



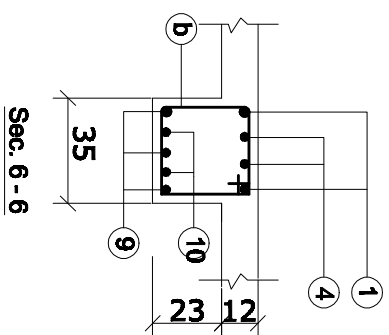
Sec. 9 - 9



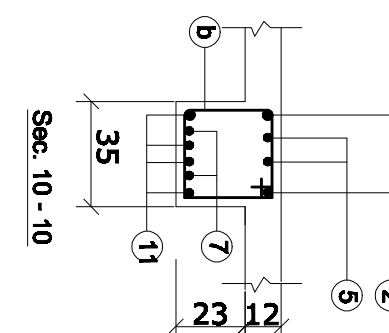
Sec. 4 - 4



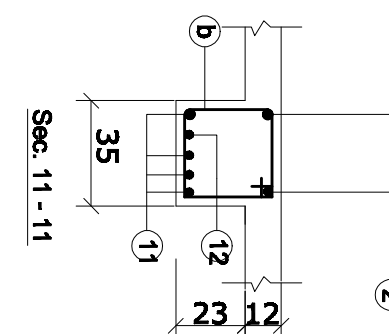
Sec. 5 - 5



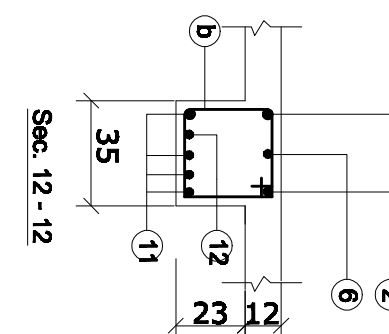
Sec. 6-6



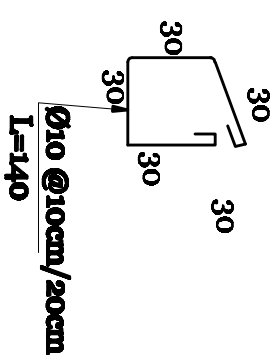
444

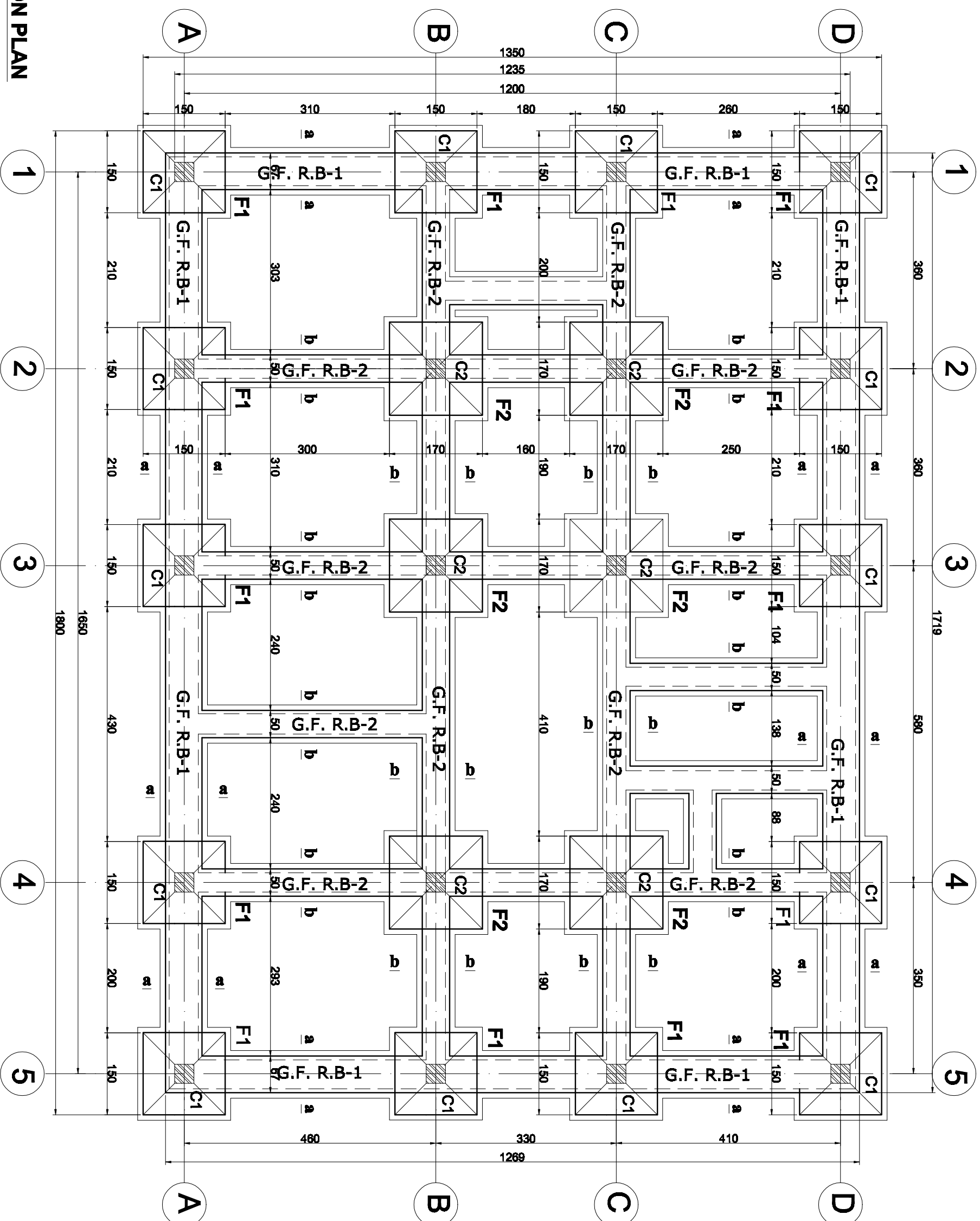


4444



441

[illegible]



FOUNDATION PLAN

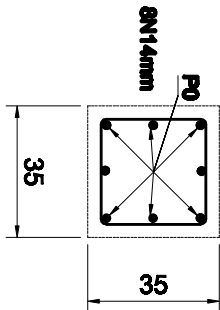


2

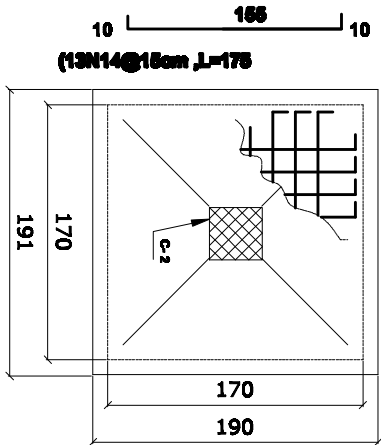
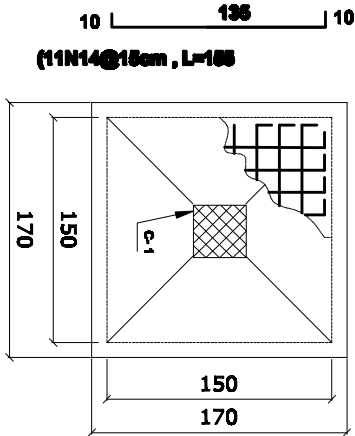
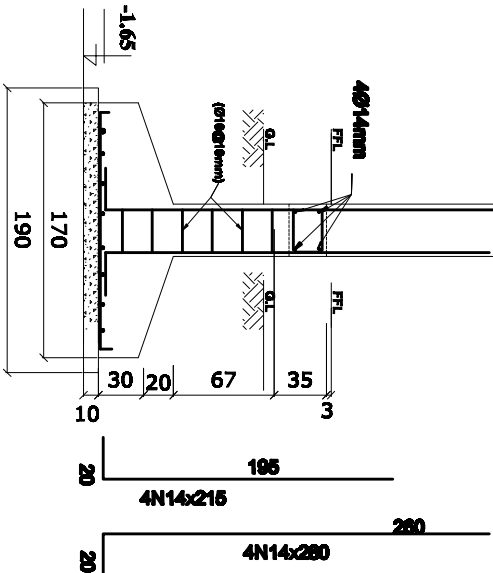
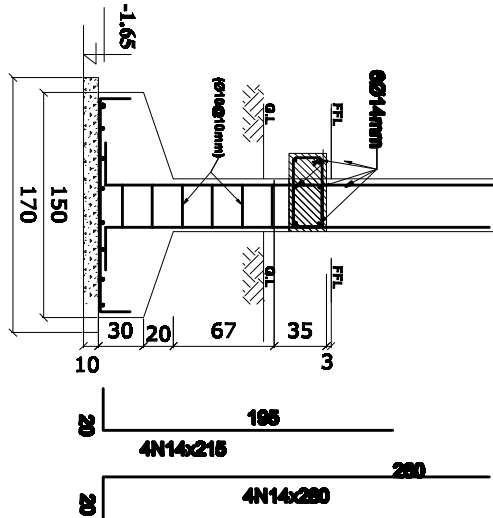
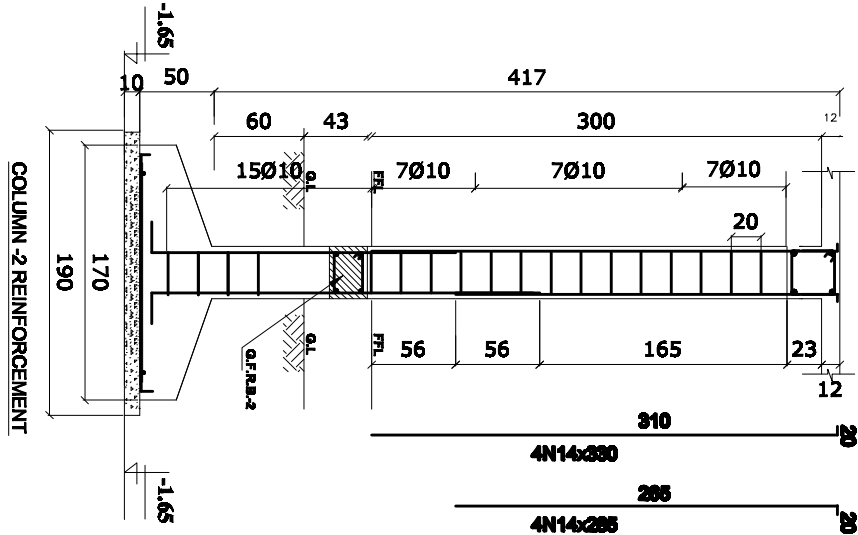
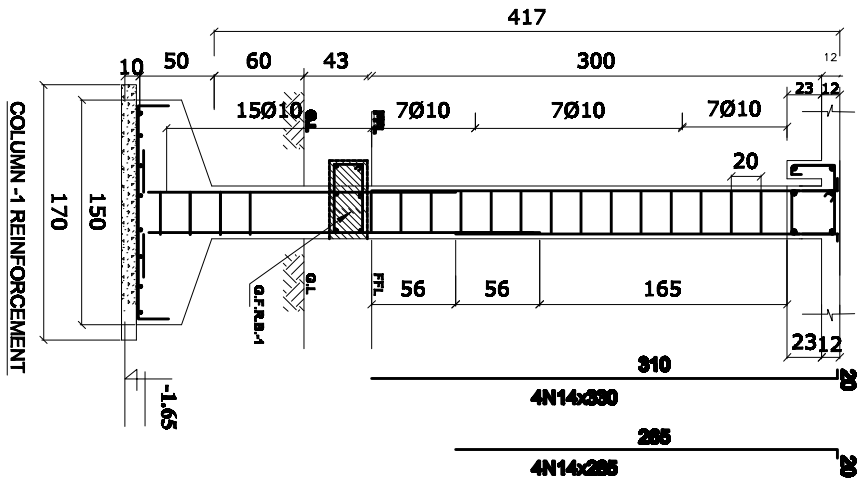
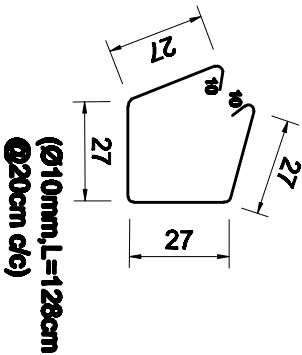


4

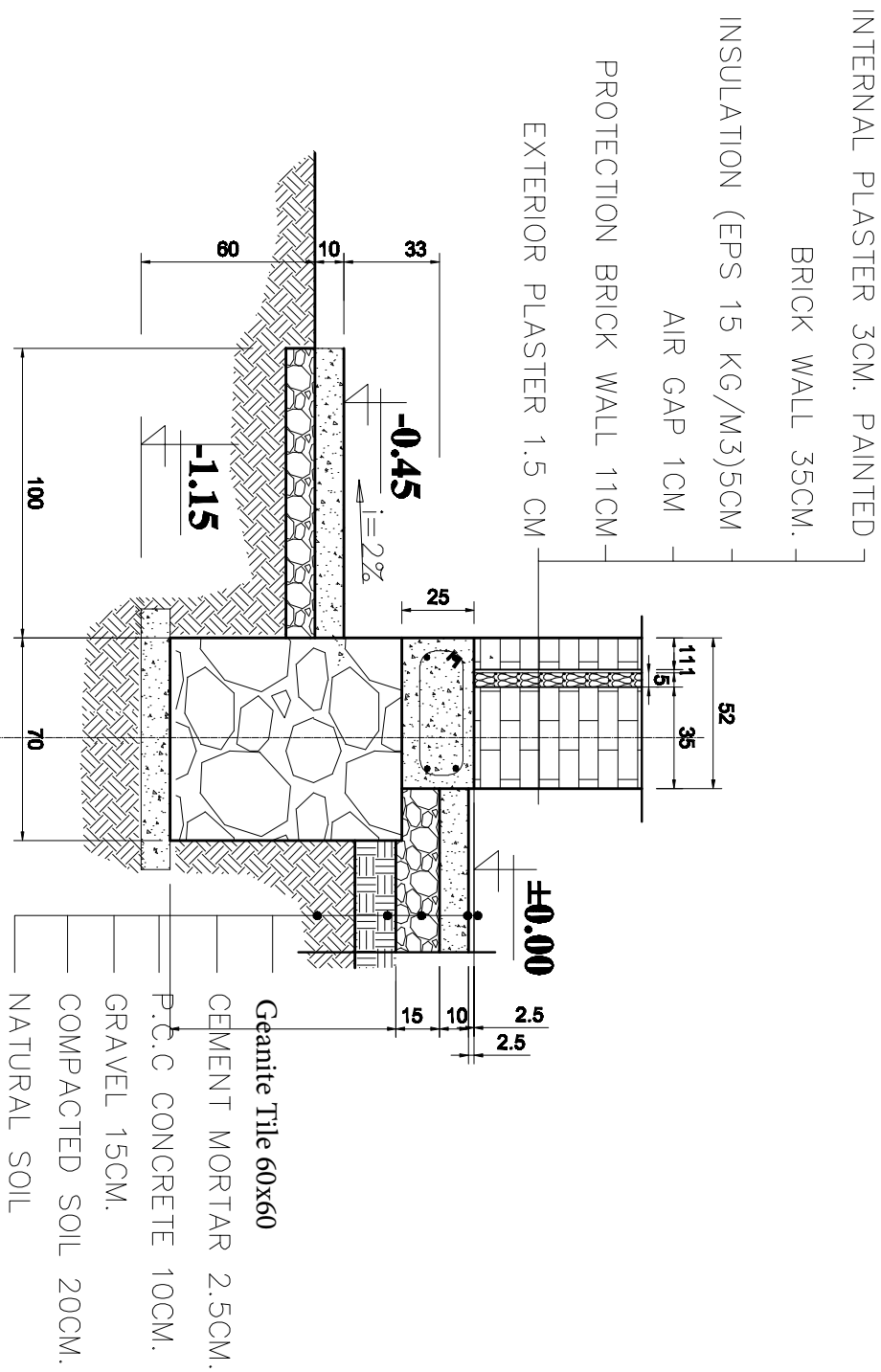
5



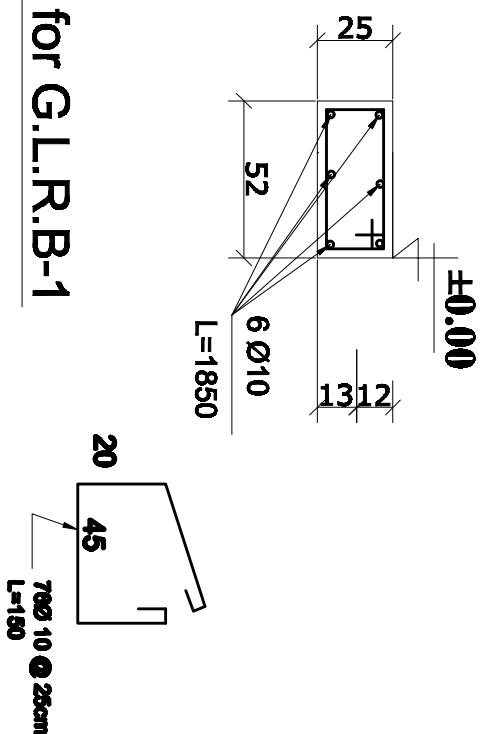
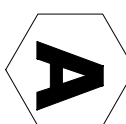
Sec. for Columns



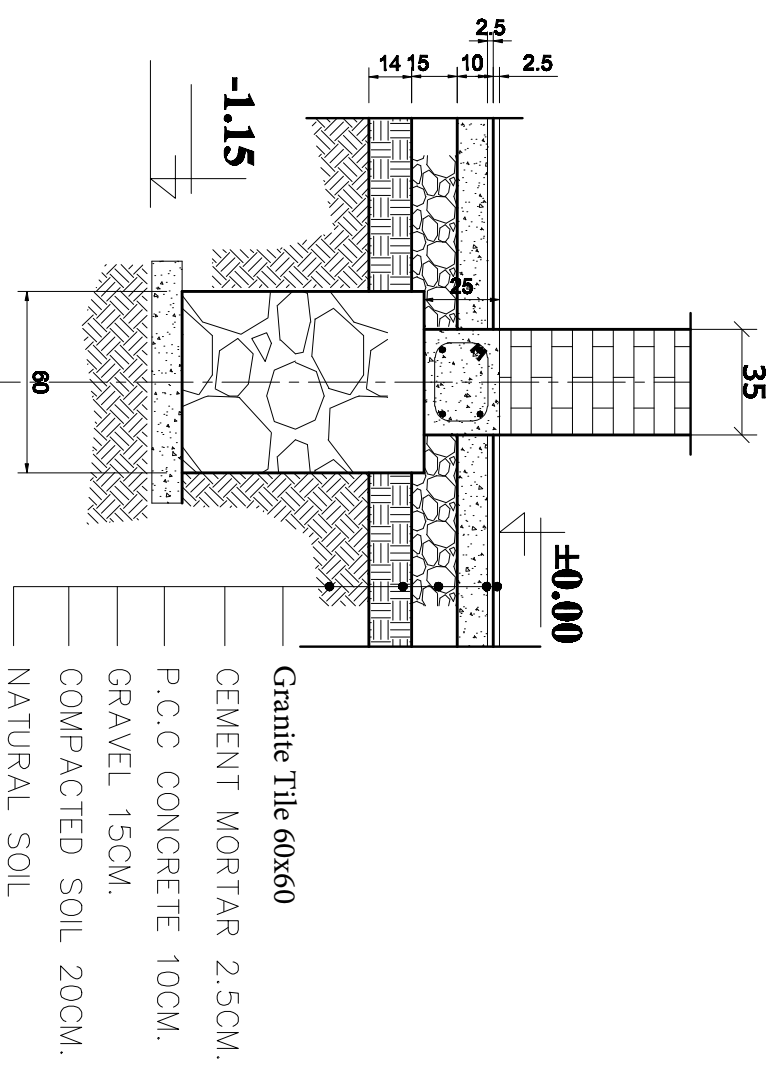
CAD FILE		BASIC HEALTH CLINIC (BHC)				NO.	REVISION	NAME	INTL.	DATE	PRODUCED BY	INTL.	SIG.	DATE	BASIC HEALTH CLINIC (BHC)	ARCHITECT	CLIENT	RECIPIENT
SCALE	1:50 , 1:20										DESIGNED BY			July-2008		BACEAG CONSULTATIVE ENGINEERING & ARCHITECTURAL GROUP	MINISTRY OF PUBLIC HEALTH	
DRAWING NUMBER	BHC-ST-007	COLUMNS REINFORCEMENT									CHECKED BY			July-2008			AFGHANISTAN	
PROJECT NUMBER											PROJECT MANAGER							
											PROJECT DIRECTOR							



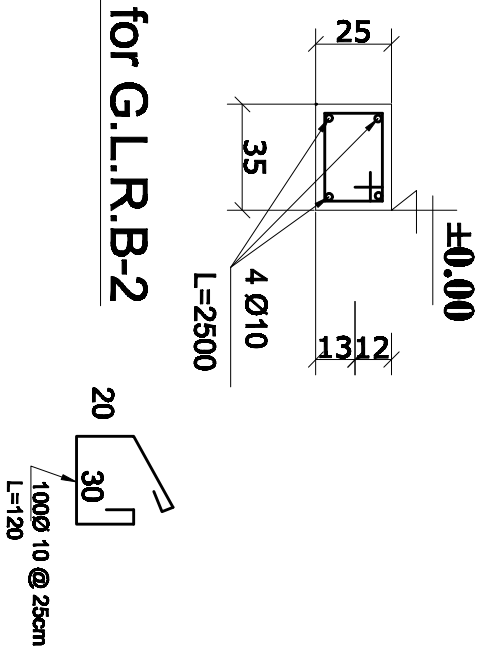
Sec.2-a




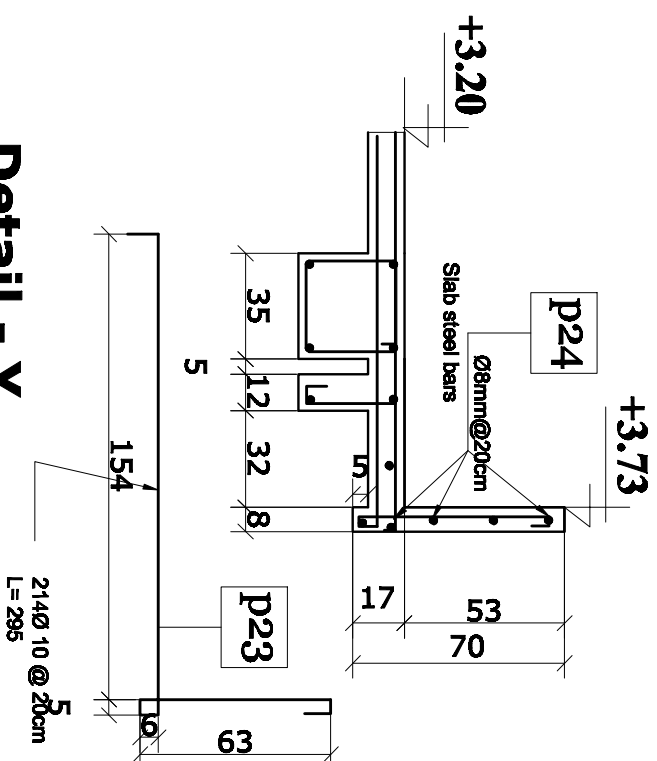
Sec.b-b



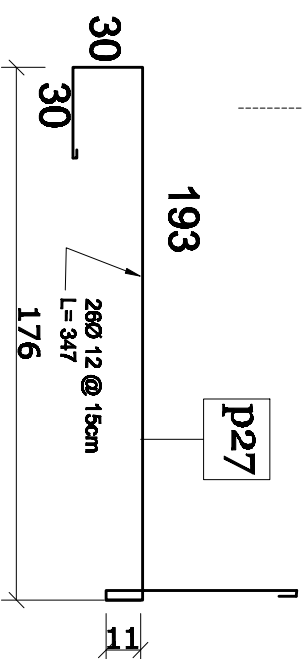
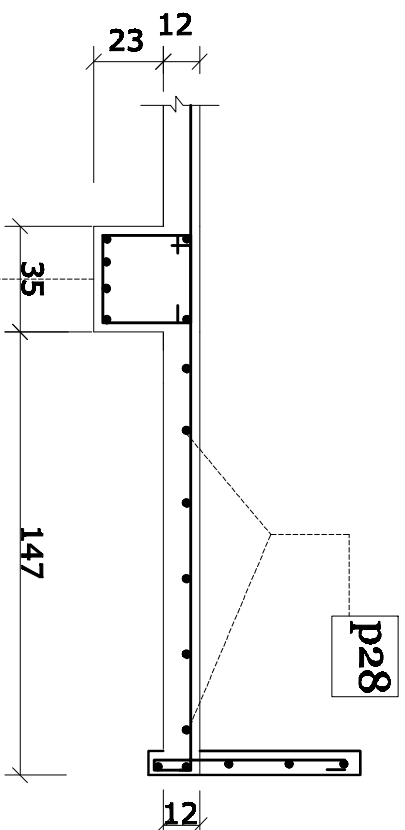
Sec. for G.L.R.B-2



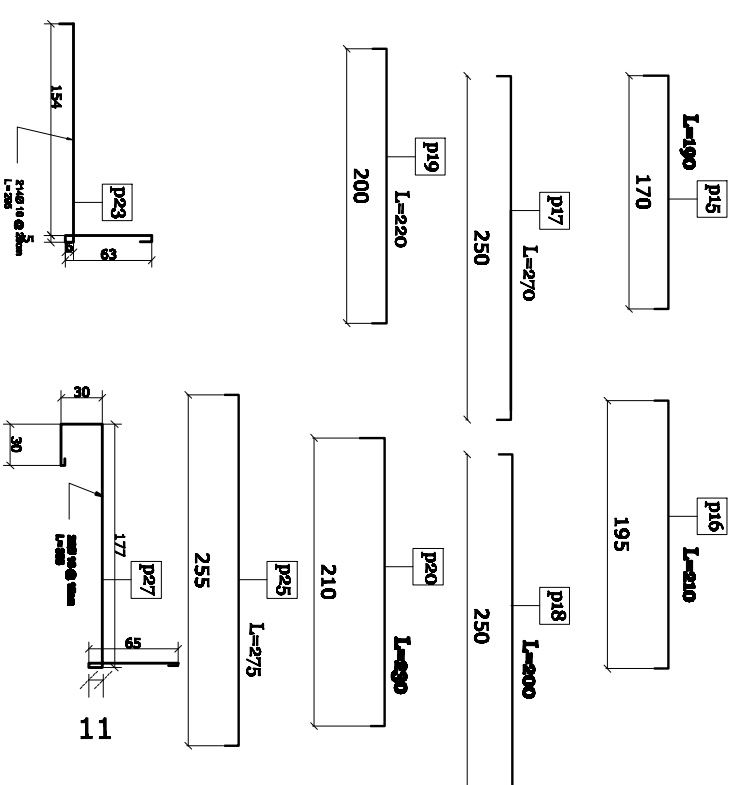
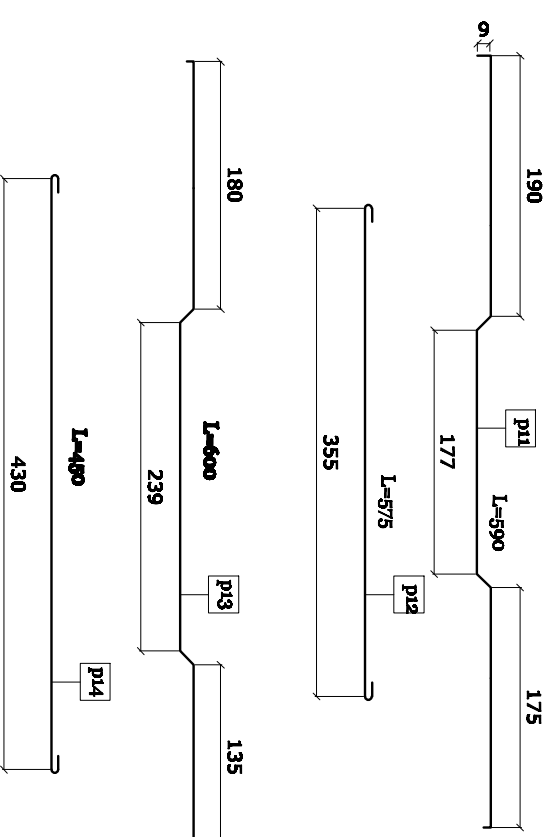
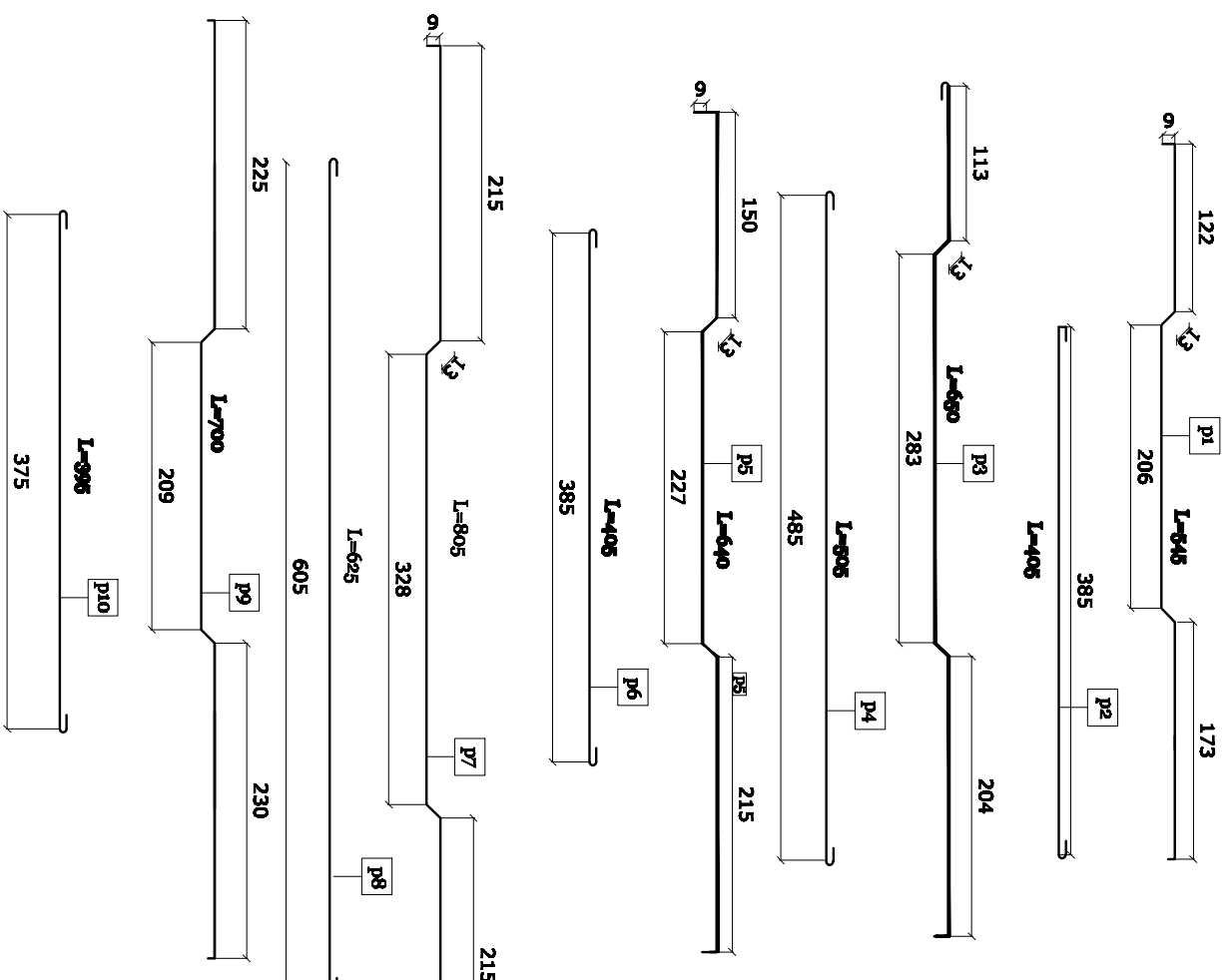
CADD FILE																			
SCALE		1:25																	
DRAWING NUMBER		BHC-ST-003																	
PROJECT NUMBER																			
BASIC HEALTH CLINIC (BHC) SECTION FOR WALL & FOUNDATION																			
REVISIONS																			
NO.		REVISION		NAME		INITL.		DATE		PRODUCED BY		INITL.		SIG.		DATE			
										BACEAG						July-2008			
										DESIGNED BY		Eng.Muradi				July-2008			
										CHECKED BY		Eng.A.Karim				July-2008			
APPROVALS																			
										PROJECT MANAGER									
										PROJECT DIRECTOR									
BASIC HEALTH CLINIC (BHC) KABUL - AFGHANISTAN																			
ARCHITECT BACEAG CONSULTATIVE ENGINEERING & ARCHITECTURAL GROUP Email: baceag@baceag.com Kabul 20000000 , 0000 000 000																CLIENT MINISTRY OF PUBLIC HEALTH AFGHANISTAN		RECIPIENT	




Detail - Y

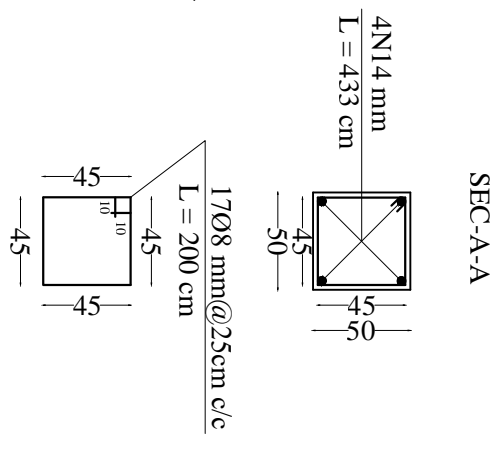
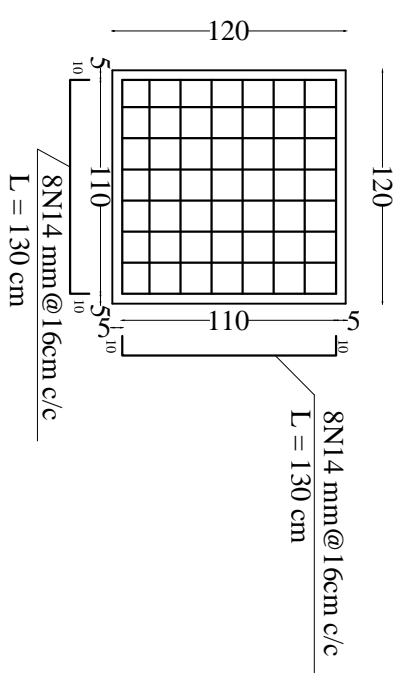
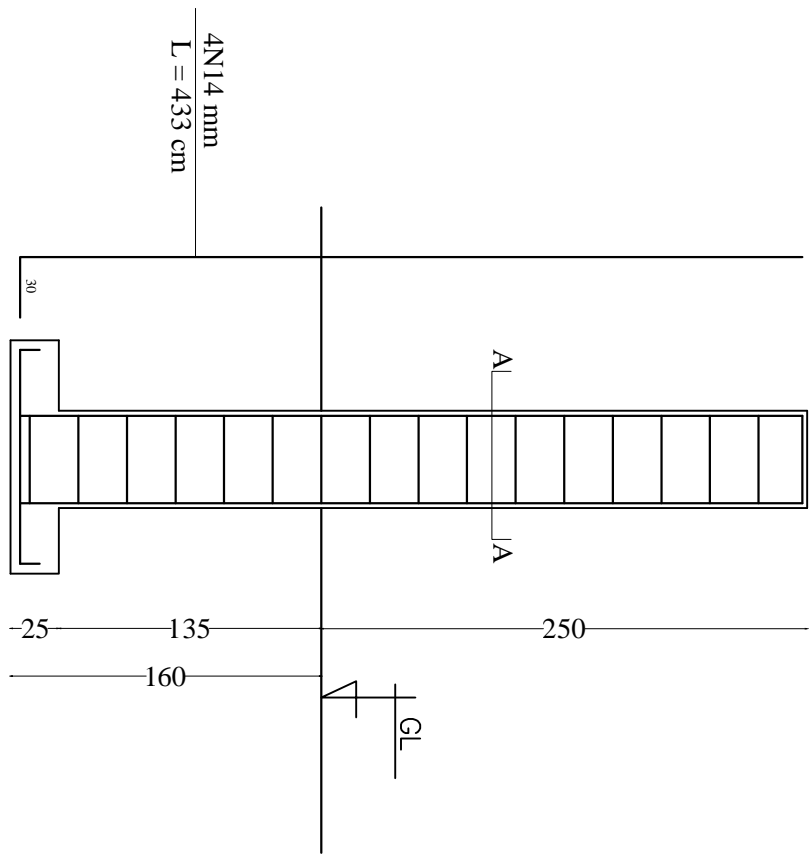
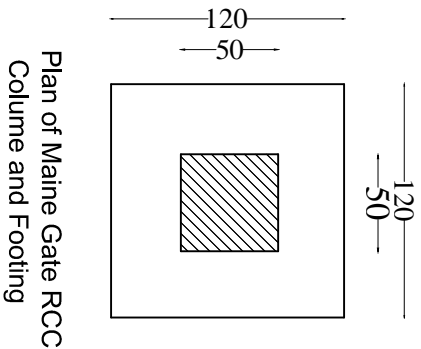


Detail - X



STEEL BAR OF SLABS

C/O FILE																				CLIENT										RECIPIENT																			
SCALE										1:25,1:50																																							
DRAWING NUMBER										BHC-ST-006																																							
PROJECT NUMBER																																																	
<div><div>BASIC HEALTH CLINIC</div><div>(BHC)</div><div>SLAB STEEL BARS</div><div>DETAIL - Y</div></div>										REVISIONS										APPROVALS										ARCHITECT										<div><div>MINISTRY OF PUBLIC HEALTH</div><div>AFGHANISTAN</div></div>									
										NO.		REVISION		NAME		INITL.		DATE		PRODUCED BY		INTL.		SIG.		DATE		BACEAG CONSULTATIVE ENGINEERING & ARCHITECTURAL GROUP																					
																				BACEAG						July-2008																							
																				DESIGNED BY						July-2008																							
																				CHECKED BY		Eng.A.Korfm				July-2008																							
KABUL - AFGHANISTAN										PROJECT MANAGER										ARCHITECT																													
										PROJECT DIRECTOR																																							



Calculation of steel for Frames of Basic Health Clinic

SCHEDULE OF BARS											
S. No	Description	length	Diameter of Item (mm)	Number of bars	Number of Item	Total length	Ø6 Length (m)	Ø10 Length (m)	Ø12 Length (m)	Ø14 Length (m)	Ø16 Length (m)
1	Frame-1&2	11.25	16	3	4	135					135.00
2		7.20	16	3	4	86.40					86.40
3		1.70	16	2	4	13.60					13.60
4		2.45	16	4	4	39.20					39.20
5		3.20	16	6	4	76.80					76.80
6		1.75	16	3	4	21.00					21.00
7		6.95	16	2	4	55.60					55.60
8		3.45	16	2	4	27.60					27.60
9		8.05	16	4	4	128.80					128.80
10		2.45	16	1	4	9.80					9.80
11		10.10	16	4	4	161.60					161.60
12		8.40	16	2	4	67.20					67.20
a		1.85	10	121	4	895.40		895.4			0.00
	Frame 3 &4										
1		7.15	16	3	5	107.25					107.25
2		6.40	16	2	5	64.00					64.00
3		2.00	16	2	5	20.00					20.00
4		2.75	16	2	5	27.50					27.50
5		2.60	16	2	5	26.00					26.00
6		1.90	16	2	5	19.00					19.00
7		4.32	16	21	5	453.60					453.60
8		2.55	16	1	5	12.75					12.75
9		3.90	16	2	5	39.00					39.00
10		4.65	16	4	5	93.00					
11		4.90	16	4	5	98.00		98			
c		1.85	10	90	5	832.50		832.5			
	G.Rings-1	31.00	10	4	2	248.00		248			
						0.00					
	G.Rings-2	17.50	10	4	2	140.00		140			
		13.50	10	4	5	270.00		270			
	Columns										
	C-1	2.15	14	4	14	120.40				120.40	
		2.80	14	4	14	156.80				156.80	
		3.30	14	4	14	184.80				184.80	
		2.85	14	4	14	159.60				159.60	
	C-2	2.15	14	4	6	51.60				51.60	
		2.80	14	4	6	67.20				67.20	
		3.30	14	4	6	79.20				79.20	
		2.85	14	4	6	68.40				68.40	
	Strips fro Columns	1.30	10	36	20	936.00		936.00			
	Footings										
	F-1	1.55	14	11	14	238.70				238.70	
		1.55	14	11	14	238.70				238.70	
	F-2	1.75	14	13	6	136.50				136.50	
		1.75	14	13	6	136.50				136.50	
	TOTAL LENGTH OF BARS						0.00	3419.90	0.00	1638.40	1591.70
	WEIGHT PER LENGTH OF BARS IN KG						0.22	0.617	0.89	1.21	1.58
	TOTAL WEIGHT OF BARS						0.00	2110.078	0.00	1981.35	2514.12
	5% WAST FOR BAR						0.00	105.504	0.00	99.07	125.71
	TOTAL WEIGHT OF BARS						0.00	2215.582	0.00	2080.42	2639.83
	GRAND TOTAL OF WEIGHT OF BARS							6935.83			Kg

CAD FILE		BASIC HEALTH CLINIC (BHC)										REVISIONS		INTL		SIG.	DATE	BASIC HEALTH CLINIC (BHC) KABUL - AFGHANISTAN		ARCHITECT BACEAG CONSULTATIVE ENGINEERING & ARCHITECTURAL GROUP Smart Engineering & Architecture Kabul: 0700 500 000 , 0700 504 470		CLIENT MINISTRY OF PUBLIC HEALTH AFGHANISTAN		RECIPIENT		
SCALE	NTS											NO.		REVISION		NAME	INTL	DATE	DESIGNED BY Eng Murodi		CHECKED BY Eng A.Korfm		JULY-2008			
DRAWING NUMBER	BHC-ST-016																						JULY-2008			
PROJECT NUMBER		STEEL BAR SCHEDULE																	PROJECT MANAGER		APPROVALS					
																			PROJECT DIRECTOR							

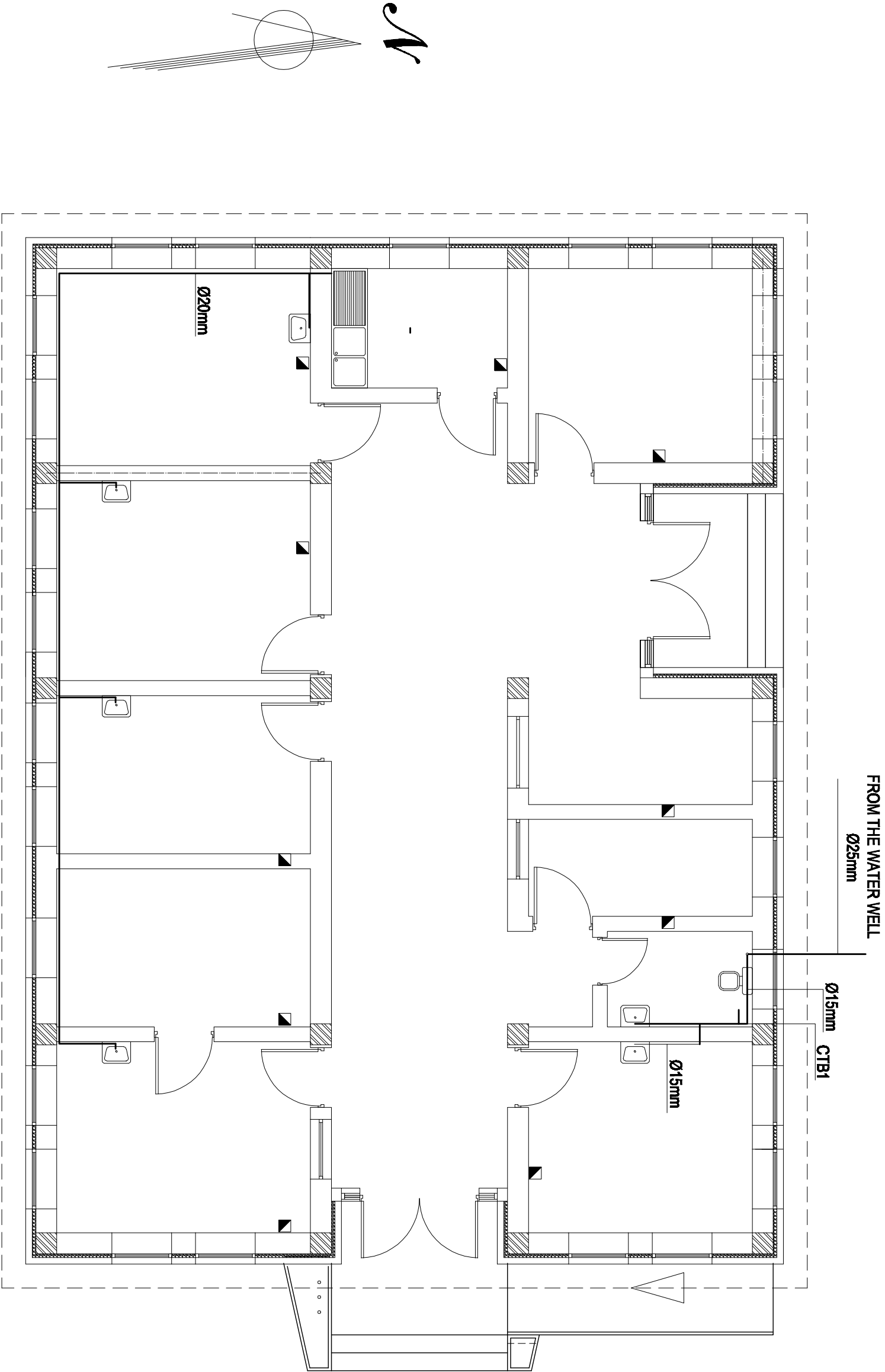
Calculation of Steel for Guard Room & Toilet facility
of Basic Health Clinic

SCHEDULE OF BARS											
S. No	Description	length	Diameter of Item (mm)	Number of bars	Number of Item	Total length	Ø6 Length (m)	Ø8 Length (m)	Ø10 Length (m)	Ø12 Length (m)	
	Guard Room	5.15	10	10	1	51.50			51.50		
		4.05	10	10	1	40.50			40.50		
		5.05	10	10	1	50.50			50.50		
		3.90	10	10	1	39.00			39.00		
		1.80	10	5	4	36.00			36.00		
		15.50	12	6	1	93.00				93.00	
		16.50	8	5	1	82.50		82.50			
	Strips										
	On top of wall	2.05	10	80	1	164.00			164.00		
	On top of wall	1.55	10	60	1	93.00			93.00		
	On Stone wall	15.00	10	4	4	240.00			240.00		
	On Stone wall	1.50	10	76	1	114.00			114.00		
	Generator Room										
	slab	3.40	10	16	1	54.40			54.40		
		2.80	10	16	1	44.80			44.80		
		1.10	10	16	4	70.40			70.40		
	Ring					0.00			0.00		
	On top of wall	11.00	10	4	4	176.00			176.00		
	On Stone wall	11.00	10	4	4	176.00			176.00		
		1.20	10	100	1	120.00			120.00		
	Toilets										
	Roof Slab	5.50	8	3	2	33.00		33.00			
		4.50	8	4	2	36.00		36.00			
		2.50	10	11	2	55.00			55.00		
		2.05	10	11	2	45.10			45.10		
		0.80	10	11	2	17.60			17.60		
		2.00	10	11	2	44.00			44.00		
		1.85	10	11	1	20.35			20.35		
		1.00	10	10	1	10.00			10.00		
	floor slab	4.70	10	7	1	32.90			32.90		
		4.65	10	7	1	32.55			32.55		
		2.95	10	11	1	32.45			32.45		
		2.95	10	11	1	32.45			32.45		
		0.95	10	7	2	13.30			13.30		
		0.70	10	11	2	15.40			15.40		
	Ring beam on the stone wall										
		14.50	10	4	1	58.00			58.00		
		1.00	8	60	1	60.00		60.00			
	on Brick wall	14.50	10	4	1	58.00			58.00		
		1.00	8	60	1	60.00		60.00			
		1.70	10	74	1	125.80			125.80		
		1.00	8	60	1	60.00					
	TOTAL LENGTH OF BARS						0.00	82.50	828.50	93.00	
	WEIGHT PER LENGTH OF BARS IN KG						0.222	0.395	0.617	0.888	
	TOTAL WEIGHT OF BARS						0.000	32.58	511.18	82.63	
	5% WAST FOR BAR						0.000	1.63	25.56	4.13	
	TOTAL WEIGHT OF BARS						0.000	34.21	536.74	86.76	
	GRAND TOTAL OF WEIGHT OF BARS							657.71		Kg	

Calculation of Steel for Slab of Basic Health Clinic

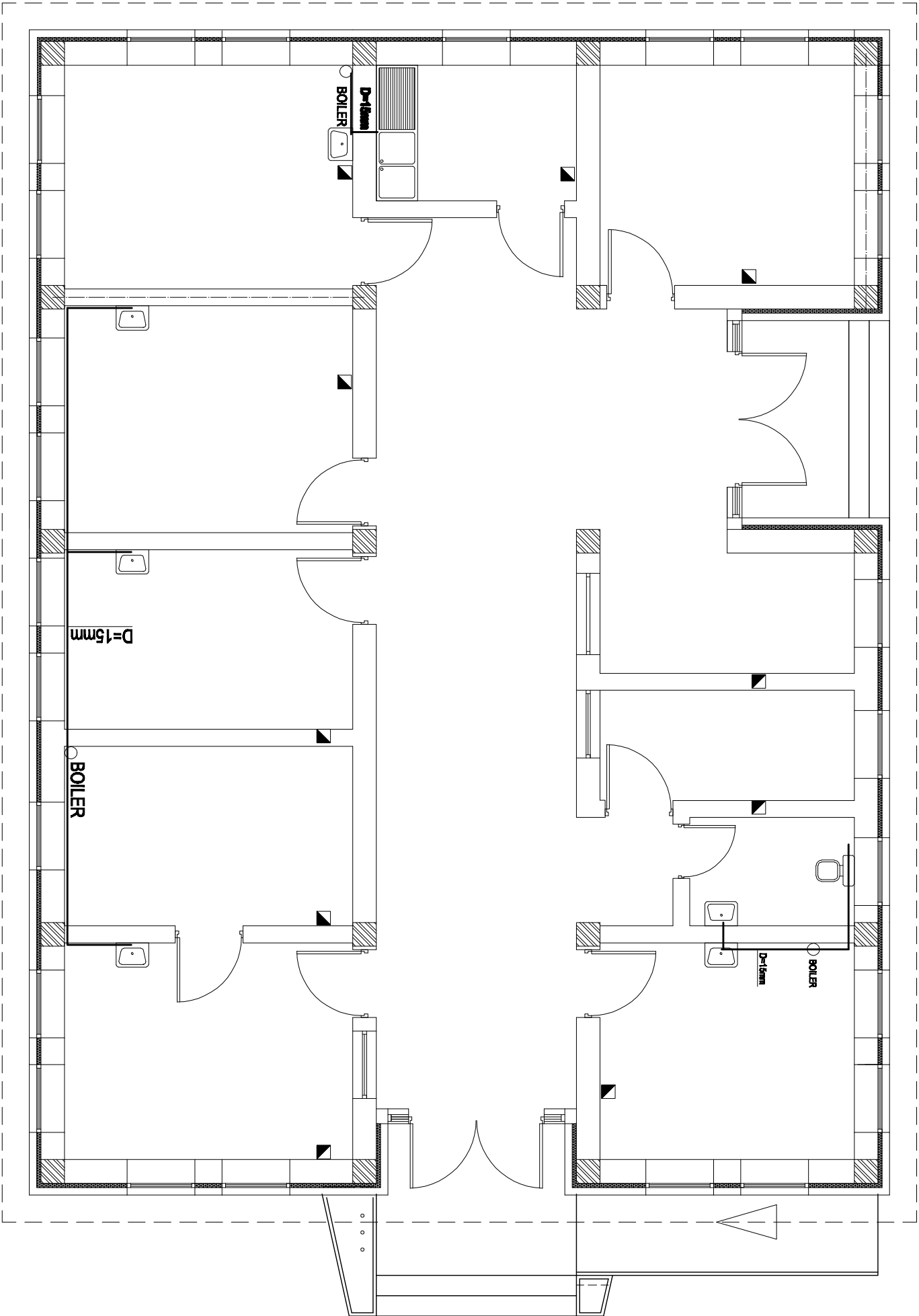
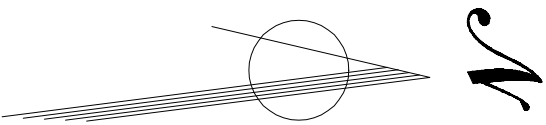
SCHEDULE OF BARS											
S. No	Description	length (m)	Diameter of Item (mm)	Num ber of Item	Num ber of Item	Total length (m)	Ø6 Length (m)	Ø8 Length (m)	Ø10 Length (m)	Ø12 Length (m)	
	Slabs -1 -5										
P1		5.45	10		32	174.40			174.40		
P2		4.05	10		32	129.60			129.60		
P3		6.50	10		57	370.50			370.50		
P4		5.05	10		58	292.90			292.90		
P5		6.40	10		32	204.80			204.80		
P6		4.05	10		33	133.65			133.65		
P7		8.05	10		31	249.55			249.55		
P8		6.25	10		33	206.25			206.25		
P9		7.00	10		31	217.00			217.00		
P10		3.95	10		33	130.35			130.35		
P11		5.90	10		51	300.90			300.90		
P12		5.75	10		54	310.50			310.50		
P13		6.00	10		40	240.00			240.00		
P14		4.50	10		43	193.50			193.50		
P15		1.90	10		60	114.00			114.00		
P16		2.10	10		37	77.70			77.70		
P17		2.70	10		120	324.00			324.00		
P18		2.00	10		170	340.00			340.00		
P19		2.20	10		136	298.20			298.20		
P20		2.30	10		12	27.60			27.60		
P21		12.60	8		28	352.80		352.80			
P22		17.10	8		37	632.70		632.70			
P23	Cantilever	2.95	10		214	631.30			631.30		
P24	Cantilever	63.50	8		6	381.00		381.00			
P25	Thermal Insulation steel bars	63.00	6		3	567.00		567.00			
P26		0.55	6			348.50					
P27	Cantilever on Exit	3.45	12		1	89.70				89.70	
P28	Cantilever on Exit	3.85	8		1	26.95		26.95			
	TOTAL LENGTH OF BARS						913.50	1393.45	4967.70	89.70	
	WEIGHT PER LENGTH OF BARS IN KG						0.222	0.39	0.62	0.89	
	TOTAL WEIGHT OF BARS						202.91	550.25	3085.07	79.70	
	5% WAST FOR BAR						10.15	27.51	153.25	3.98	
	TOTAL WEIGHT OF BARS						213.05	577.76	3218.32	83.68	
	GRAND TOTAL OF WEIGHT OF BARS							4092.82		Kg	

CAD FILE		BASIC HEALTH CLINIC (BHC)				NO.	REVISION			NAME	INITIAL	DATE	PRODUCED BY	INITIAL	SIG.	DATE	BASIC HEALTH CLINIC (BHC)		ARCHITECT	CLIENT		RECIPIENT
SCALE	NTS												DESIGNED BY					BACEAG CONSULTATIVE ENGINEERING & ARCHITECTURAL GROUP		MINISTRY OF PUBLIC HEALTH AFGHANISTAN		
DRAWING NUMBER	BHC-ST-015												CHECKED BY	Eng.A.Korim			July-2008					
PROJECT NUMBER		STEEL BAR SCHEDULE											PROJECT MANAGER									
													PROJECT DIRECTOR									



1 GROUND FLOOR COLD WATER SYSTEM
SCALE =1/75

CAD FILE		BASIC HEALTH CLINIC (BHC)					GROUND FLOOR COLD WATER SYSTEM		
SCALE	1:75								
DRAWING NUMBER	BHC.WA-001								
PROJECT NUMBER									
		REVISIONS							
NO.	REVISION	NAME	INITL.	DATE	PRODUCED BY	INITL.	S/G.	DATE	
					BACEAG			July-2008	
					DESIGNED BY	Eng.A.Samod		July-2008	
					CHECKED BY	Eng.A.Karim		July-2008	
					APPROVALS				
					PROJECT MANAGER				
					PROJECT DIRECTOR				
		BASIC HEALTH CLINIC (BHC)			KABUL - AFGHANISTAN				
		ARCHITECT			BACEAG CONSULTATIVE ENGINEERING & ARCHITECTURAL GROUP Email: baceag@yahoo.com Mobile: 0799 338 009 , 0799 304 478				
		CLIENT			MINISTRY OF PUBLIC HEALTH AFGHANISTAN				
					RECIPIENT				



1 HOT WATER SYSTEM
SCALE =1/75

CAD FILE														
SCALE	1:75													
DRAWING NUMBER	BHC.WA-003													
PROJECT NUMBER														

SEPTIC TANK

d=150mm

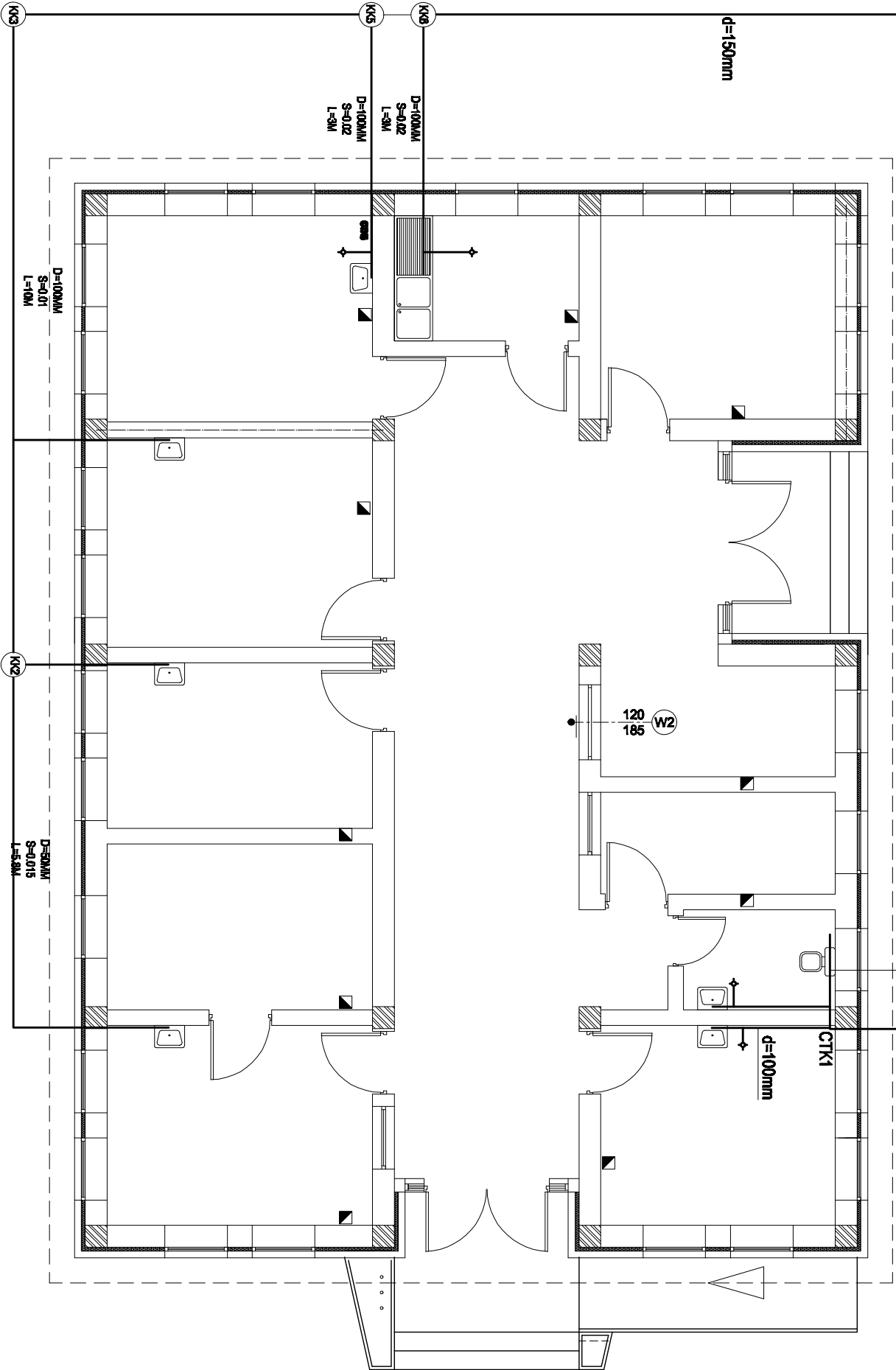
d=150mm

d=100mm

d=100mm

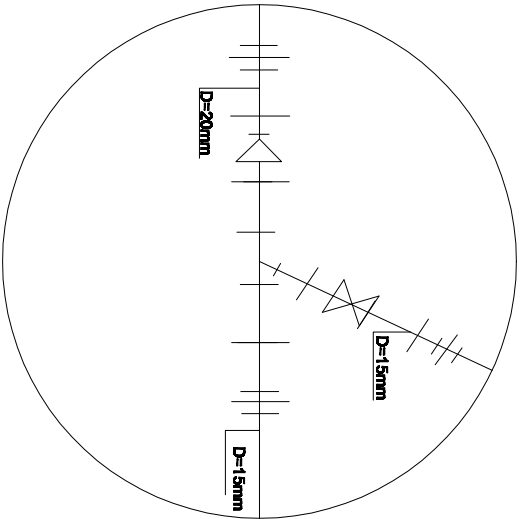
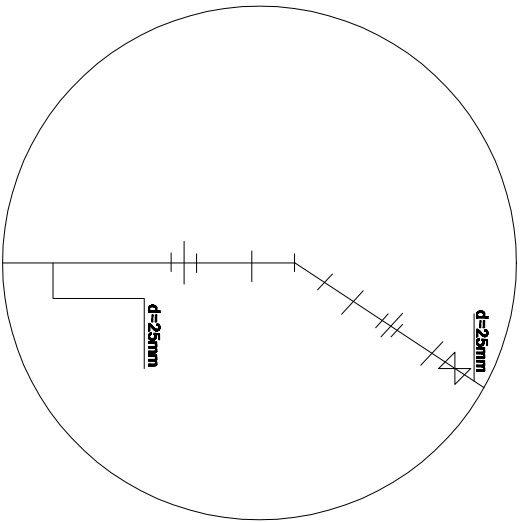
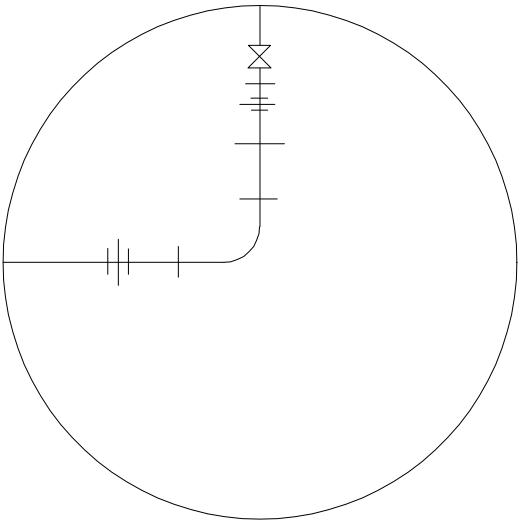
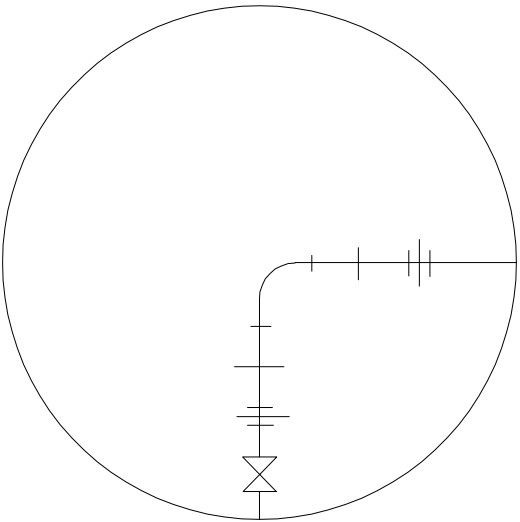
CTK1

W2
120
185



1 DRAINAGE SYSTEM PLAN
SCALE =1/75

CAD FILE		BASIC HEALTH CLINIC (BHC)				NO.		REVISION		NAME	INTL.	DATE	PRODUCED BY	INTL.	SIG.	DATE	BASIC HEALTH CLINIC (BHC)		ARCHITECT		CLIENT		RECIPIENT	
SCALE	1:75	DRAINAGE SYSTEM PLAN											BACEAG			July-2008	KABUL - AFGHANISTAN		BACEAG CONSULTATIVE ENGINEERING & ARCHITECTURAL GROUP		MINISTRY OF PUBLIC HEALTH AFGHANISTAN			
DRAWING NUMBER	BHC.WA-002												DESIGNED BY	Eng.A.Samod		July-2008			Email: baceag@yahoo.com					
PROJECT NUMBER													CHECKED BY	Eng.A.Karim		July-2008			Mobile: 0799 335 696 , 0799 304 478					
													PROJECT MANAGER											
													PROJECT DIRECTOR											

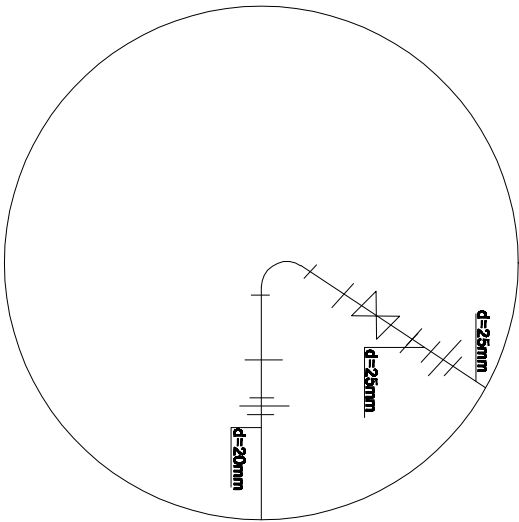


DETAIL B

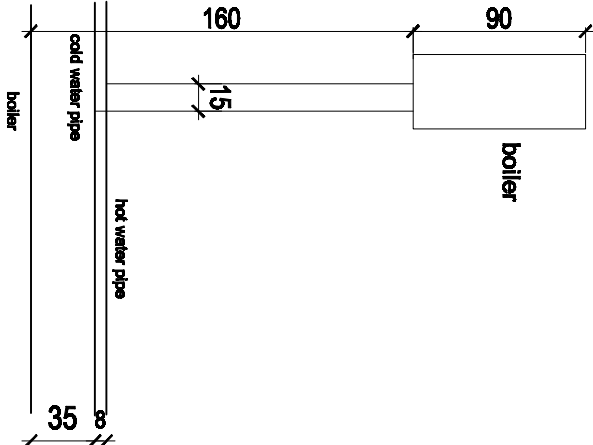
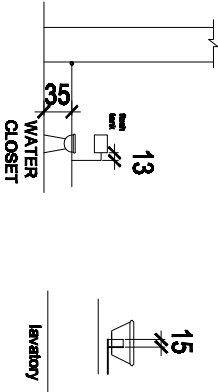
DETAIL A

DETAIL C

DETAIL D

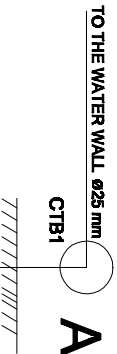
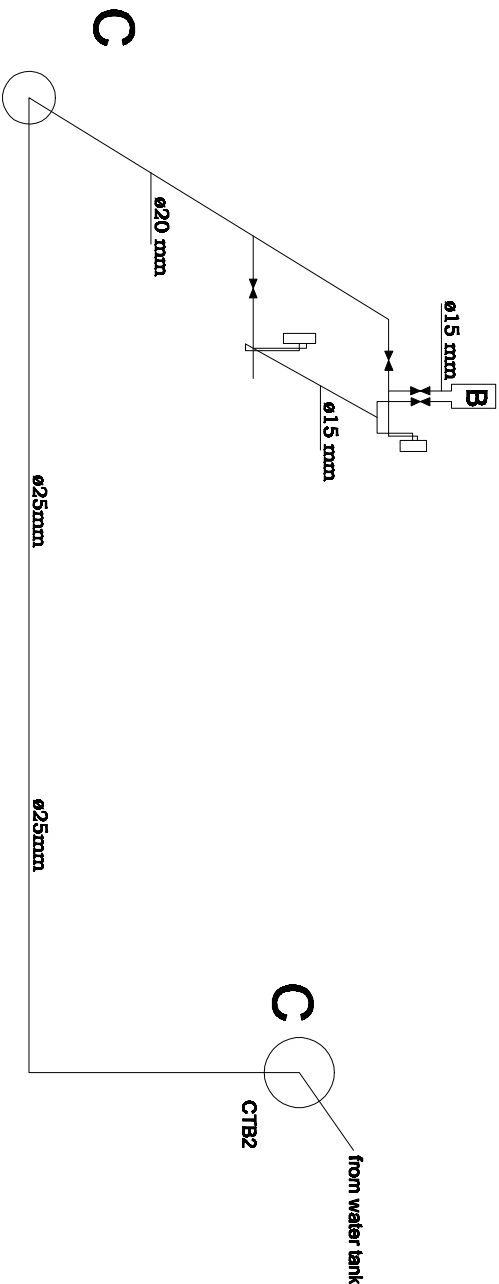


DETAIL E



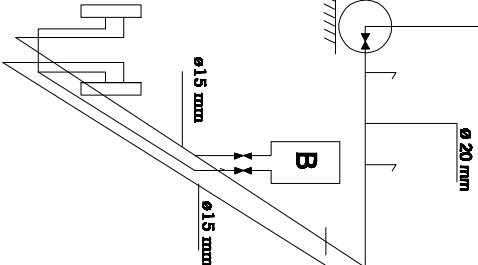
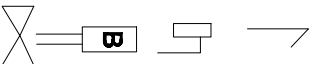
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DETAILS
SCALE=NTS

CAD FILE		BASIC HEALTH CLINIC (BHC)					NO.	REVISION		NAME	INTL.	DATE	PRODUCED BY	INTL.	SIG.	DATE	BASIC HEALTH CLINIC (BHC)		ARCHITECT		CLIENT		RECIPIENT	
SCALE	NTS												Eng.A.Samod			July-2008			BACEAG CONSULTATIVE ENGINEERING & ARCHITECTURAL GROUP		MINISTRY OF PUBLIC HEALTH			
DRAWING NUMBER	BHC.WA-007	DETAILS											Eng.A.Karim			July-2008			Email: baceag@yahoo.com		AFGHANISTAN			
PROJECT NUMBER													PROJECT MANAGER						Mobile: 0799 335 666 , 0799 304 478					
													PROJECT DIRECTOR											



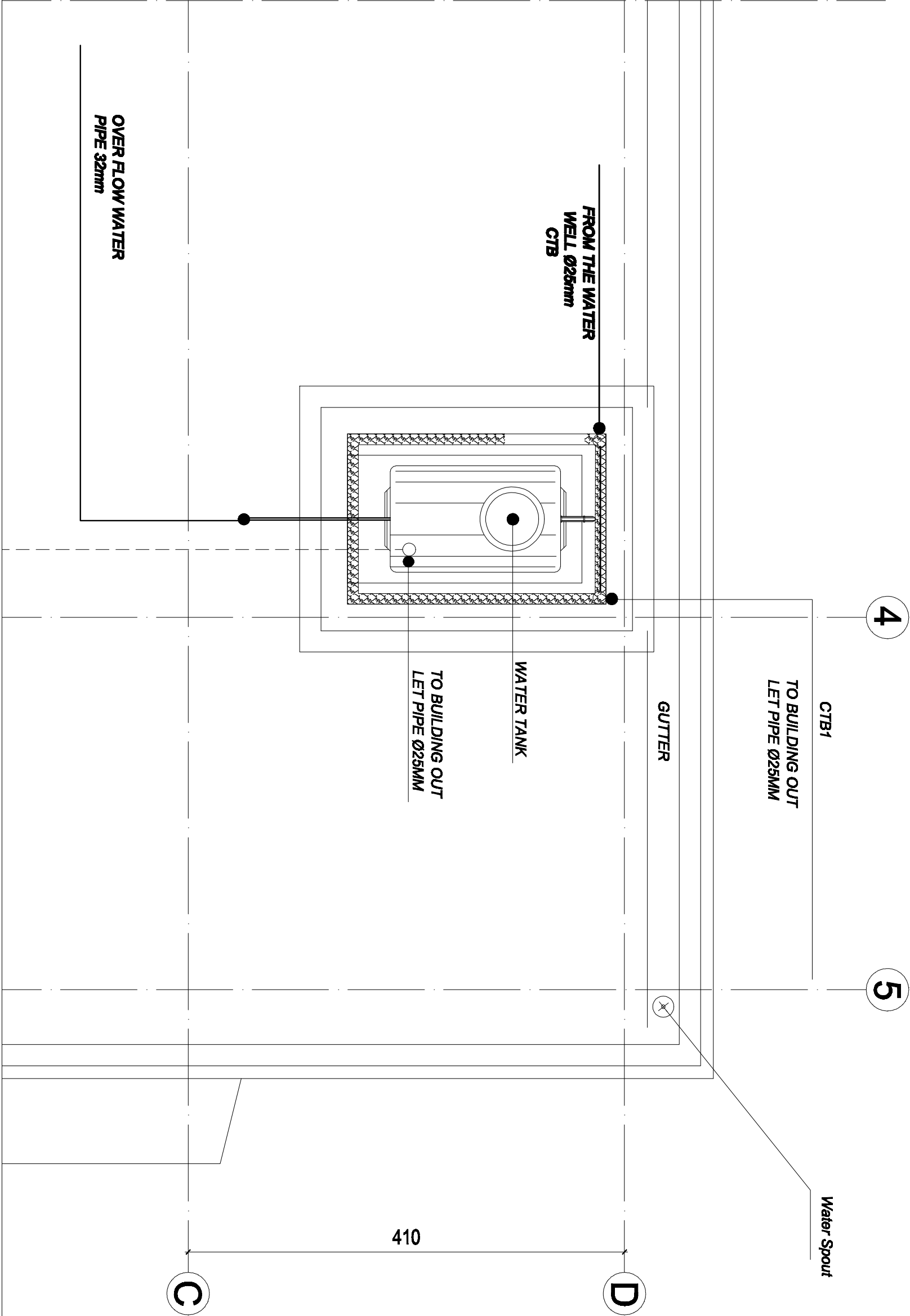
LEGEND:

- 1 - cold water piping...
- 2 -Hot water piping...
- 3 -Water closet...
- 4 -Lavatory...
- 5 -Boiler...
- 6 -Valve



GROUND FLOOR ISO.WATERSUPPLY.SCHEME
SCALE = 1/80

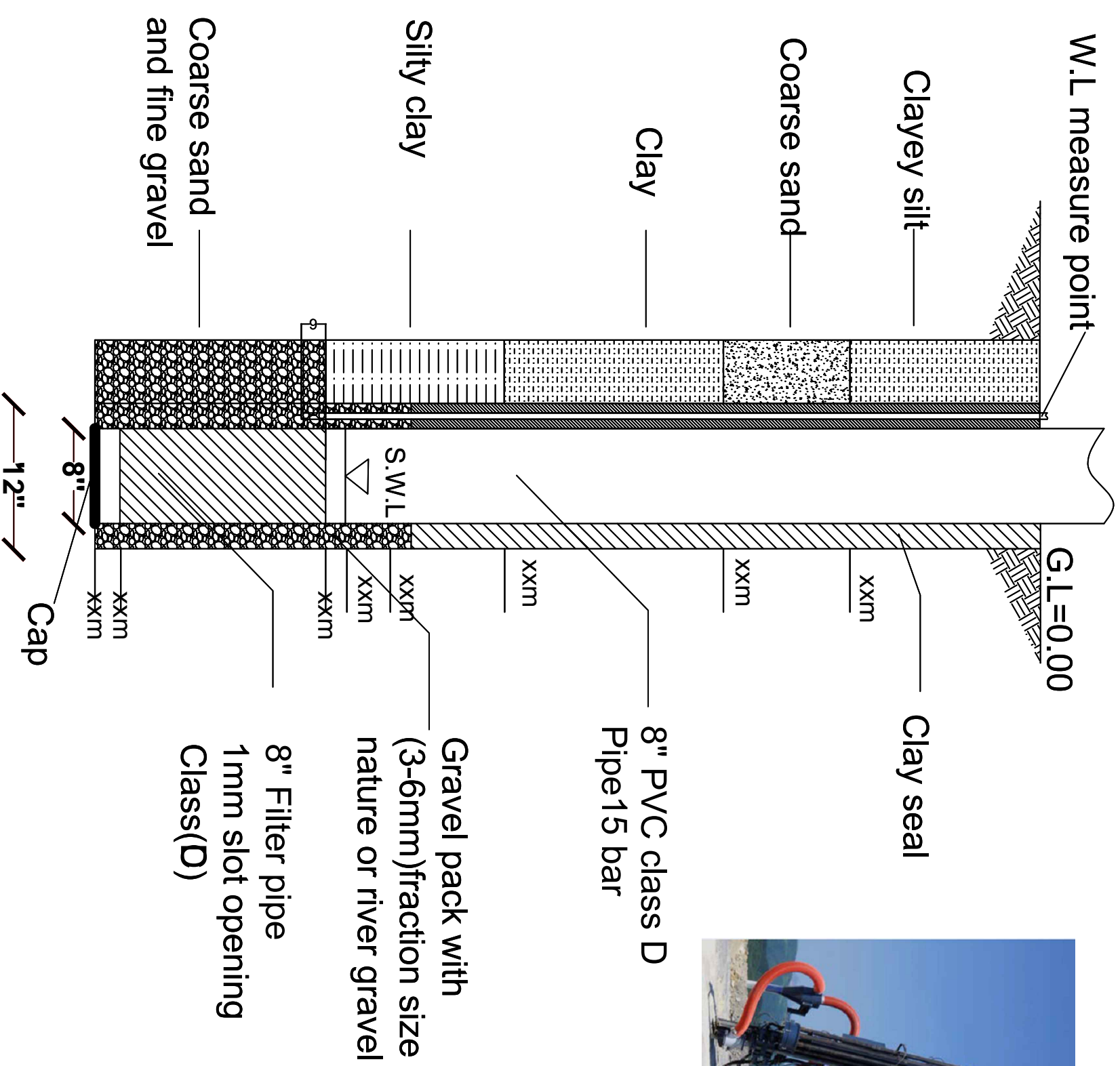
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SCALE	1:75											BACEAG			July-2008			BACEAG CONSULTATIVE ENGINEERING & ARCHITECTURAL GROUP	MINISTRY OF PUBLIC HEALTH AFGHANISTAN						
DRAWING NUMBER	BHC.WA-008	GROUND FLOOR ISO. WATERSUPPLY.SCHEME										DESIGNED BY	Eng.A.Samod		July-2008			Email: baceag@yahoo.com Mobile: 0799 335 666 , 0799 304 478							
PROJECT NUMBER												CHECKED BY	Eng.A.Karim		July-2008										
												PROJECT MANAGER	APPROVALS												
												PROJECT DIRECTOR													




1 WATER TANK
SCALE= 1/40

CAD FILE												BASIC HEALTH CLINIC (BHC)										BASIC HEALTH CLINIC (BHC)										ARCHITECT BACEAG CONSULTATIVE ENGINEERING & ARCHITECTURAL GROUP										CLIENT MINISTRY OF PUBLIC HEALTH AFGHANISTAN										RECIPIENT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
SCALE	1:40																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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		NO.		REVISION		NAME		INTL.		DATE		PRODUCED BY		INTL.		S/G.		DATE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		</	

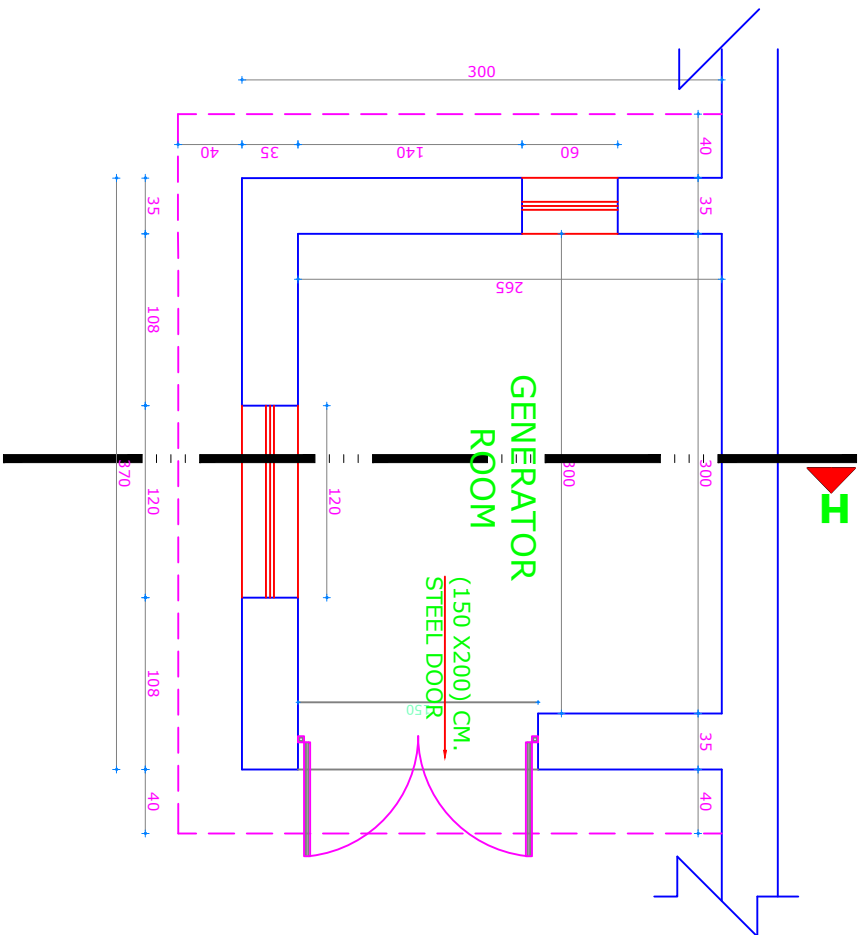
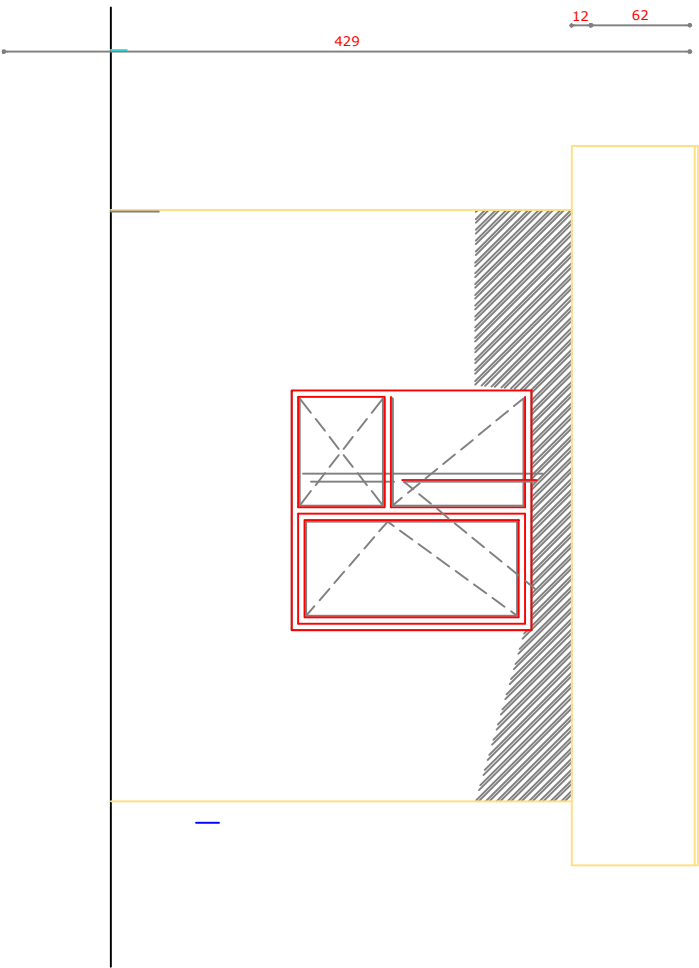
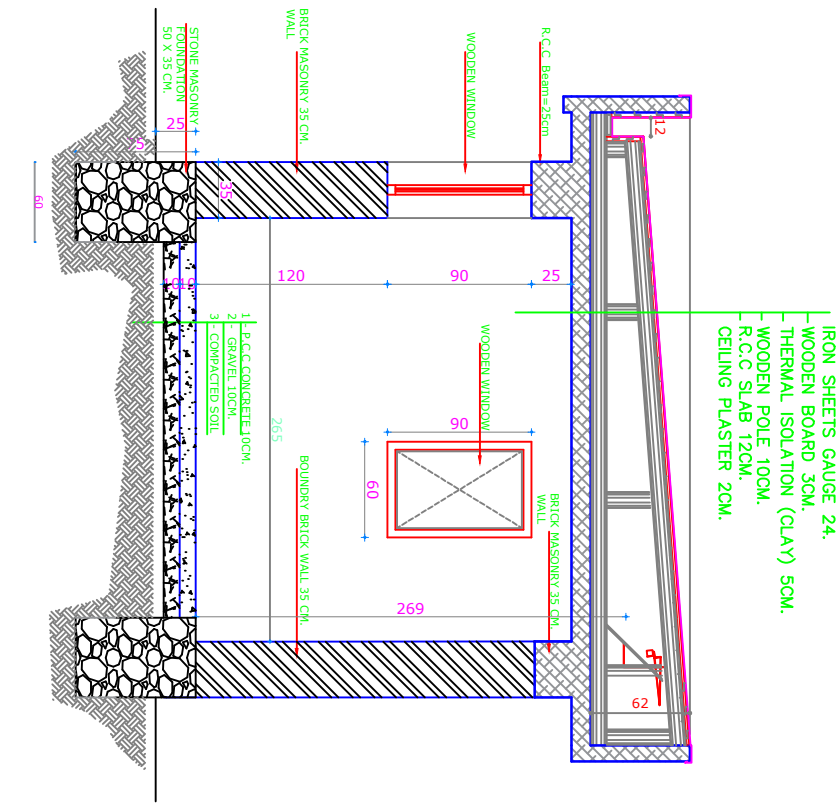
Deep Well drilling by Compressor/Rotary



 UNHCR Afghanistan <small>United Nations High Commissioner for Refugees</small>					
Project Code	ORG-000-000				
Project Title	New Construction of drilling in BHC				
Drawing Title	Plan & front preview				
Project Location	Oruzghan 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					1:1.00

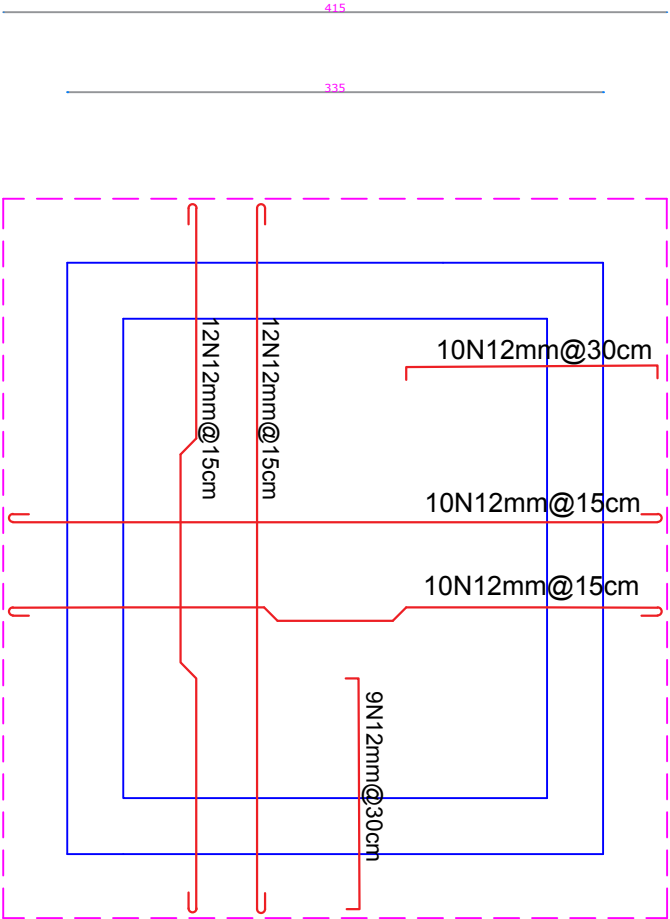
Plan & section of Generator Room for BHC

S I:100



Note:

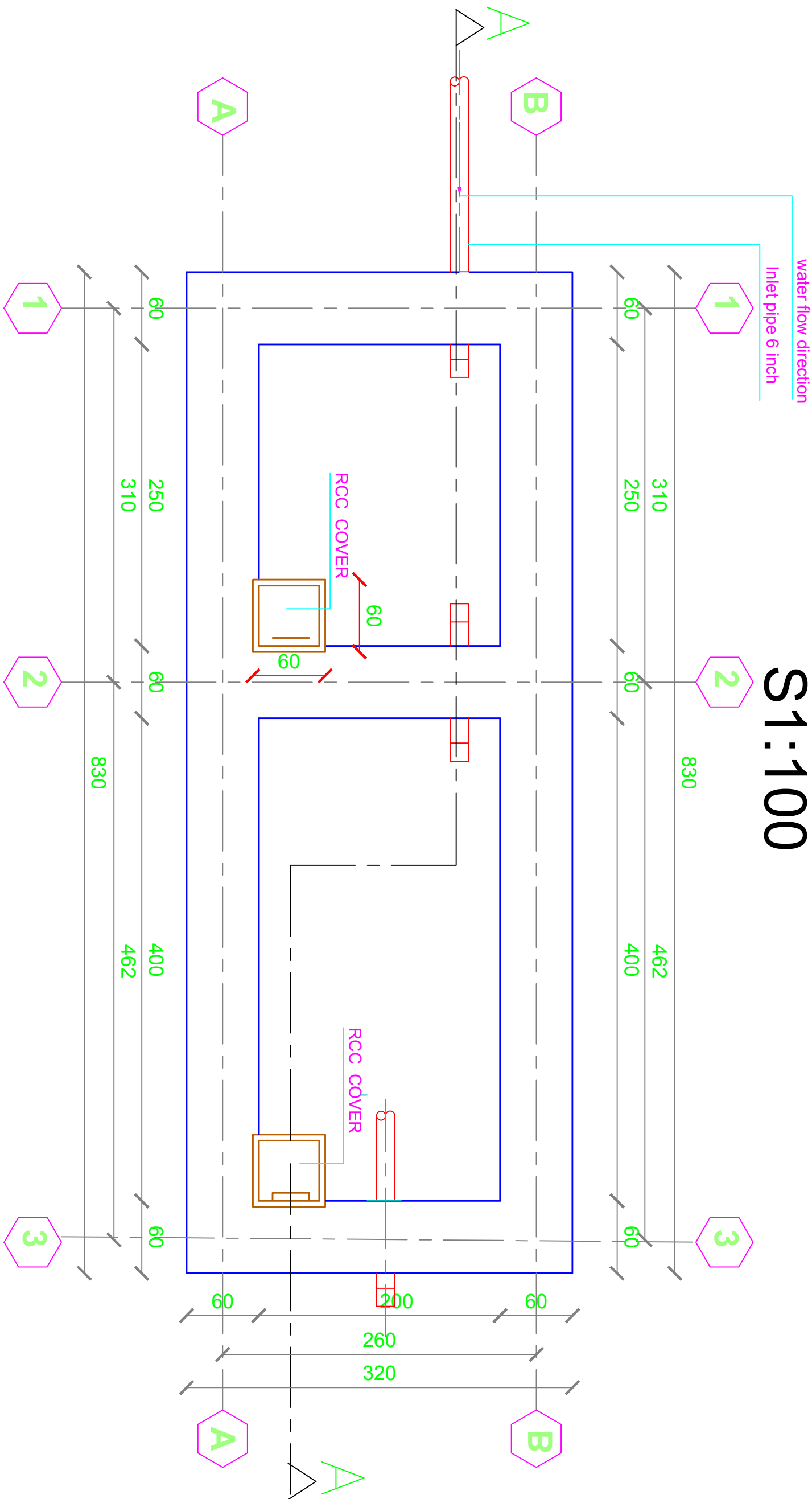
- 1-All dimension are in centimeters.
- 2-PCC shall be (1:2:4).
- 3-Mortar for stone masonry shall be (1:4).
- 4-Mortar for stone masonry shall be (1:3).
- 5-RCC shall be (1:1.5:3).
- 6-All steel bars should be not eroded or lubricated and has to be clean.
- 7-All steel bars should be Class(4I) Ra= 2100 Kg/cm².
- 8-The curing must be not less than (28) days.



<div><div> UNHCR The UN Refugee Agency</div><div>Afghanistan</div></div> <div>ORUZGAN BHC PROJECT</div>					
Project Code	ORG - 000 - 000				
Project Title	New Construction of Generator Room				
Drawing Title	Plan ,Section Front Preview				
Project Location	Oruzgan 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 OF SEPTIC TANK

S1:100



UNHCR Afghanistan

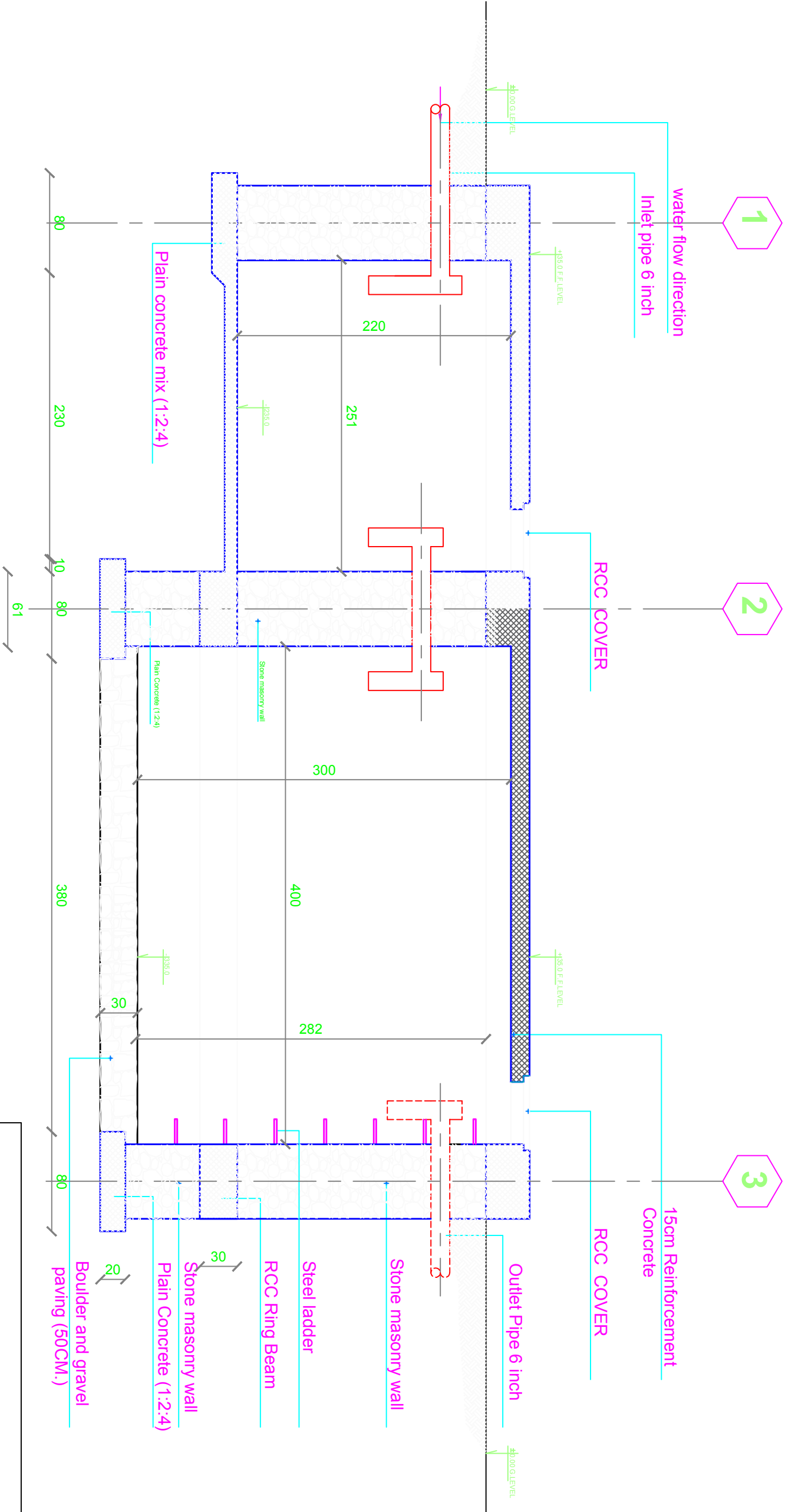
ORUZGAN
BHC- PROJECT

Project Code	ORG-000-000				
Project Title	New Construction of Septic Tank				
Drawing Title	Plan				
Project Location	Oruzgan BHC-Project				

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

SEPTIC TANK SECTION A-A

S1:100

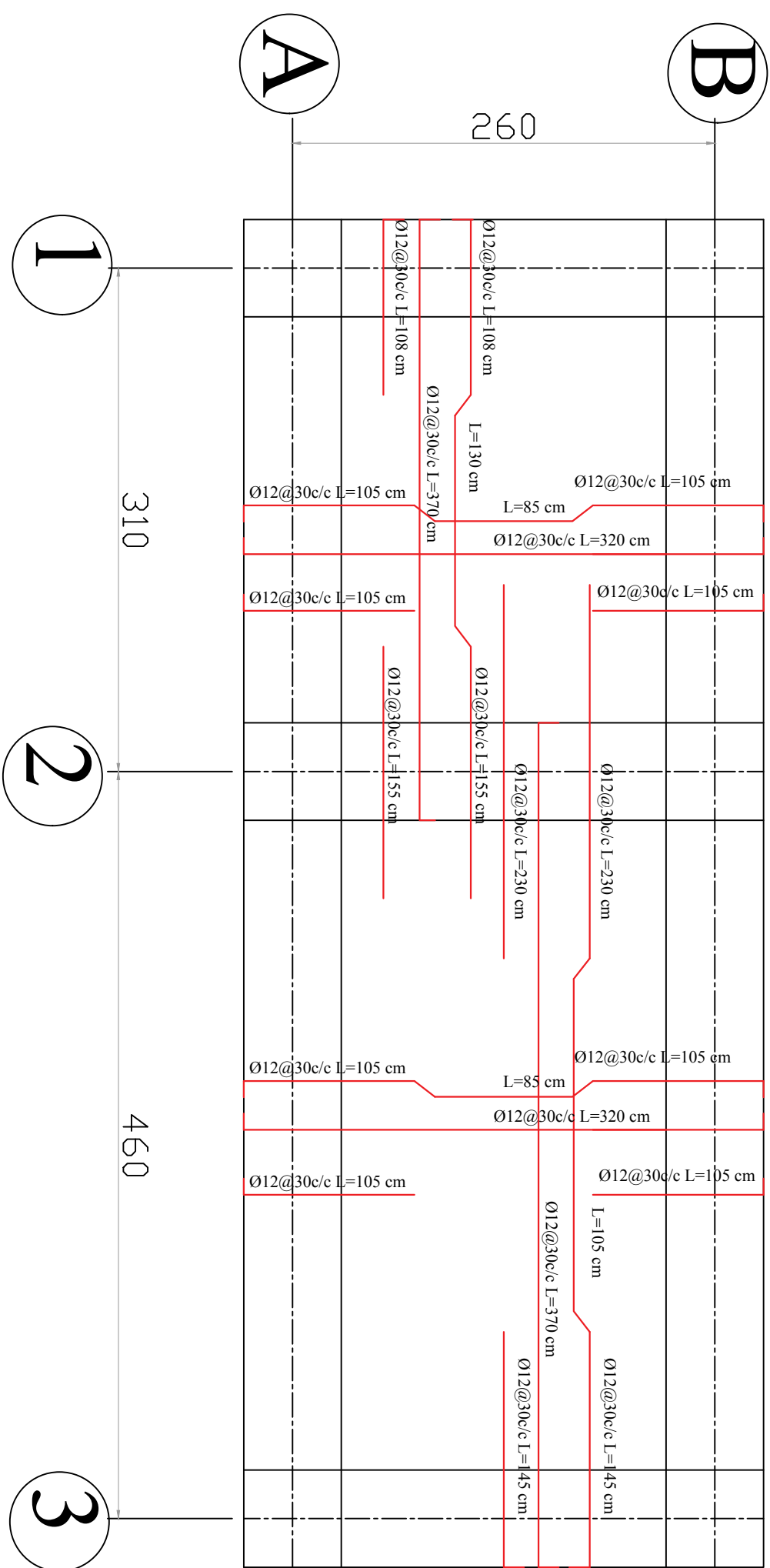


UNHCR Afghanistan
The UN Refugee Agency

ORUZGAN
BHC- PROJECT

Project Code	ORC-000-000				
Project Title	New Construction of Septic Tank				
Drawing Title	Plan				
Project Location	Oruzgan City BHC-Project				
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

Bar Bending Schedule Of Septic Tank Slab



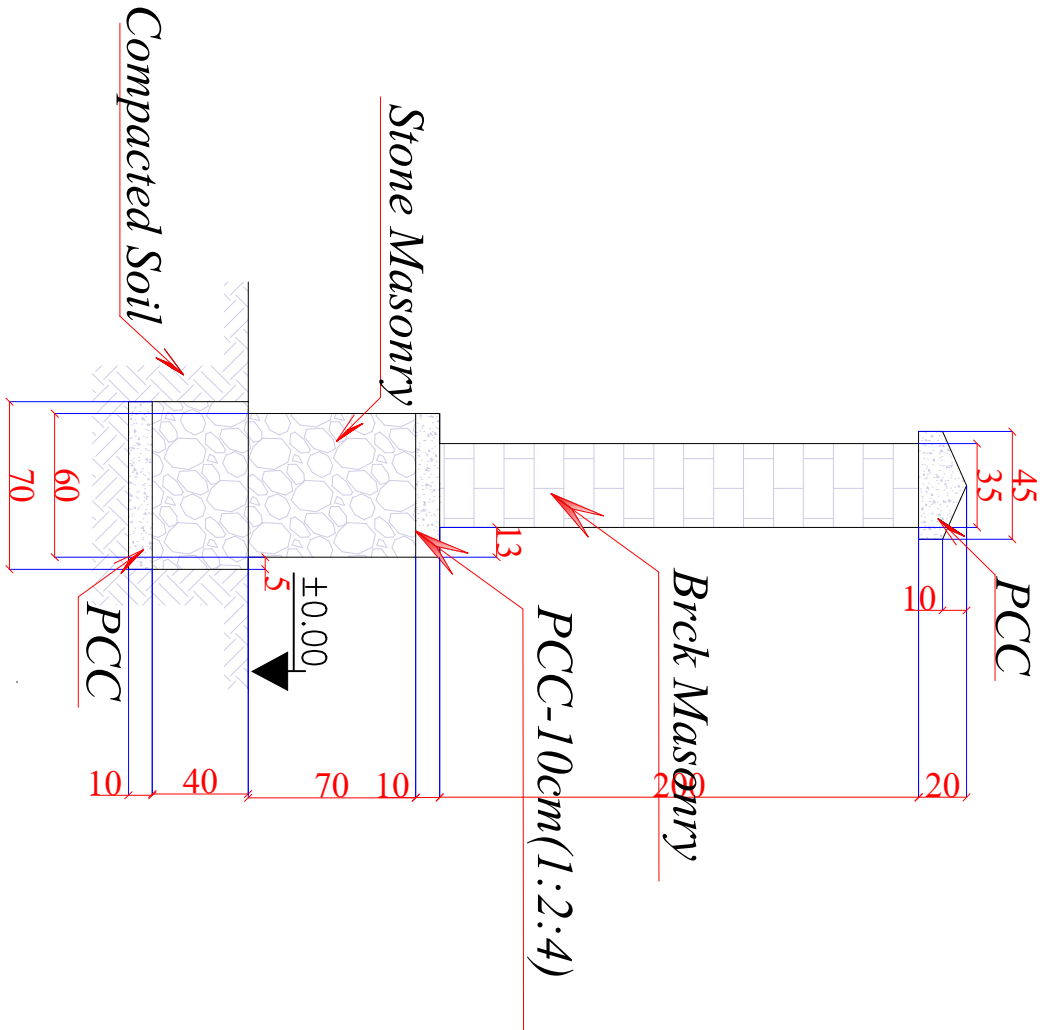
Afghanistan

ORUZGAN
BHC- PROJECT

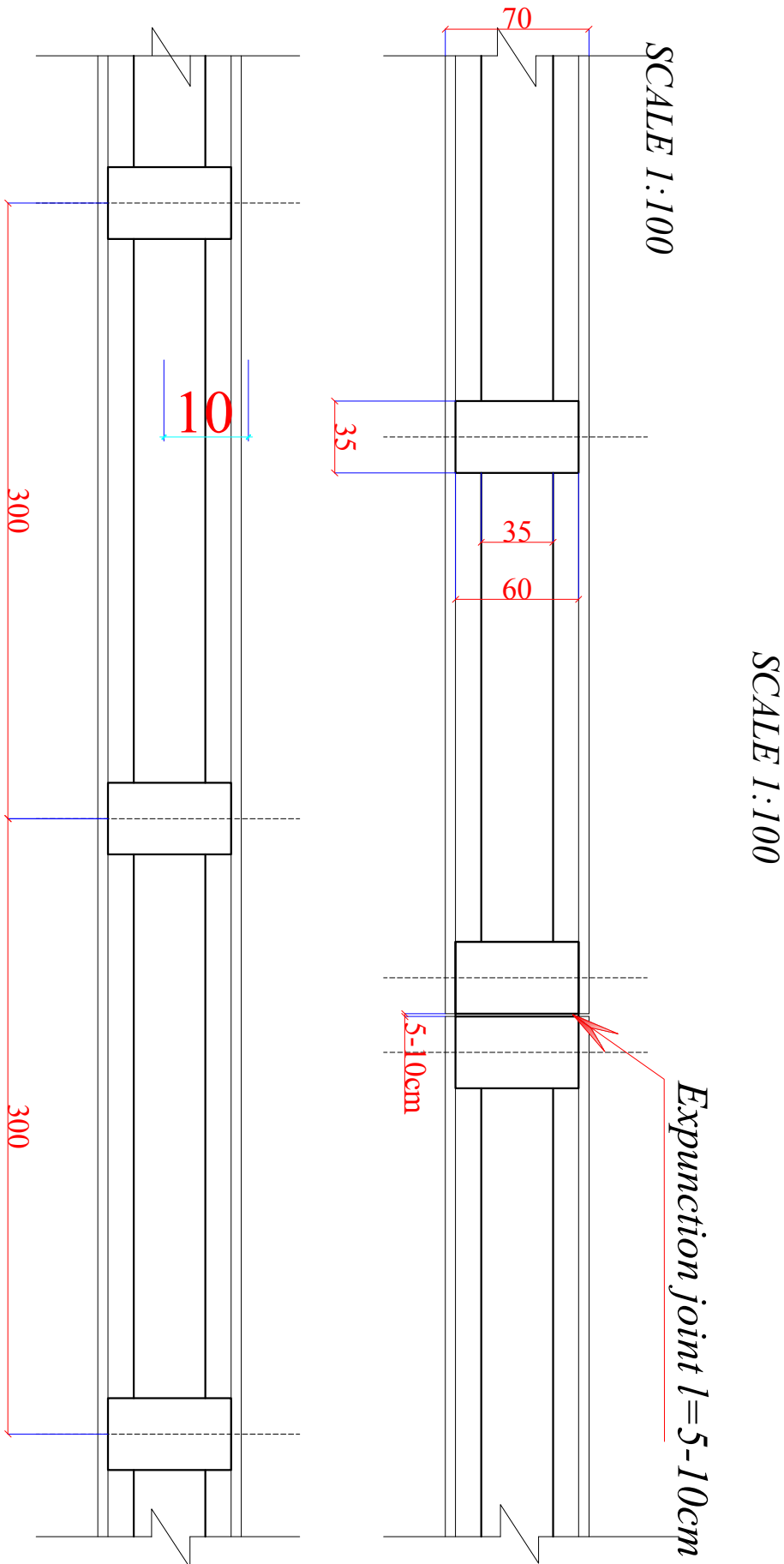
Project Code	ORC-000-000				
Project Title	New Construction of Septic Tank For BHC				
Drawing Title	Plan				
Project Location	Oruzgan City BHC-Project				

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

Section A-A



Boundary wall for BHC building
Plan Of Burnet Brick boundary wall



Lenght of Brick, stone masonry boundary wall=300m

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(4I) Ra= 2100 Kg/cm² .

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



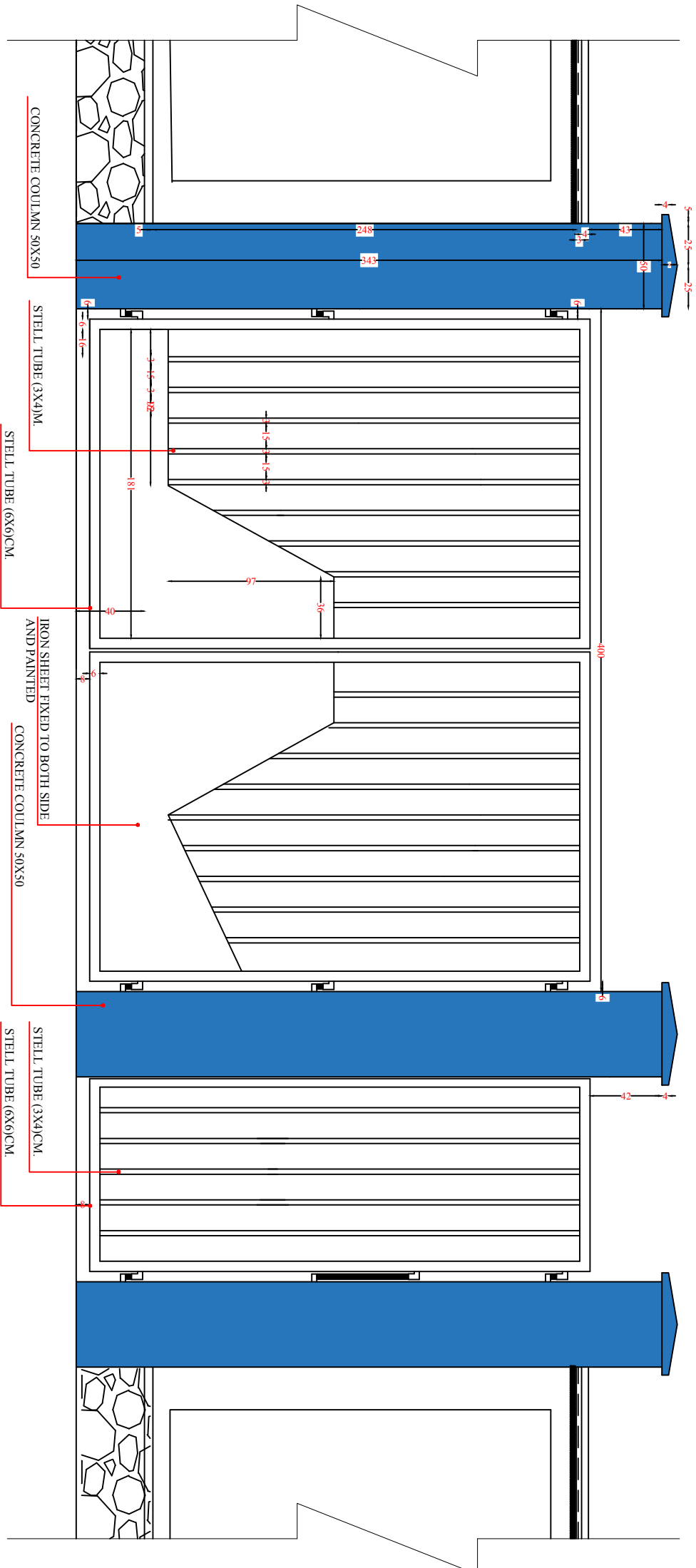
ORUZGAN
BHC PROJECT

Project Code	ORG- 000 - 000					
Project Title	New Construction of Boundary wall					
Drawing Title	Plan & Sections of wall					
Project Location	Oruzgan 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	

Boundary wall BHC building

Main & Small Steel gate of Boundary wall

SCALE 1:100



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(4I) Ra= 2100 Kg/cm².
- 8-The curing must be not less than (28) days.

Project Code	ORZ- 000 - 000				
Project Title	New Construction of Boundary wall				
Drawing Title	Front Preview				
Project Location	Oruzgan 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

SCALE 1:100

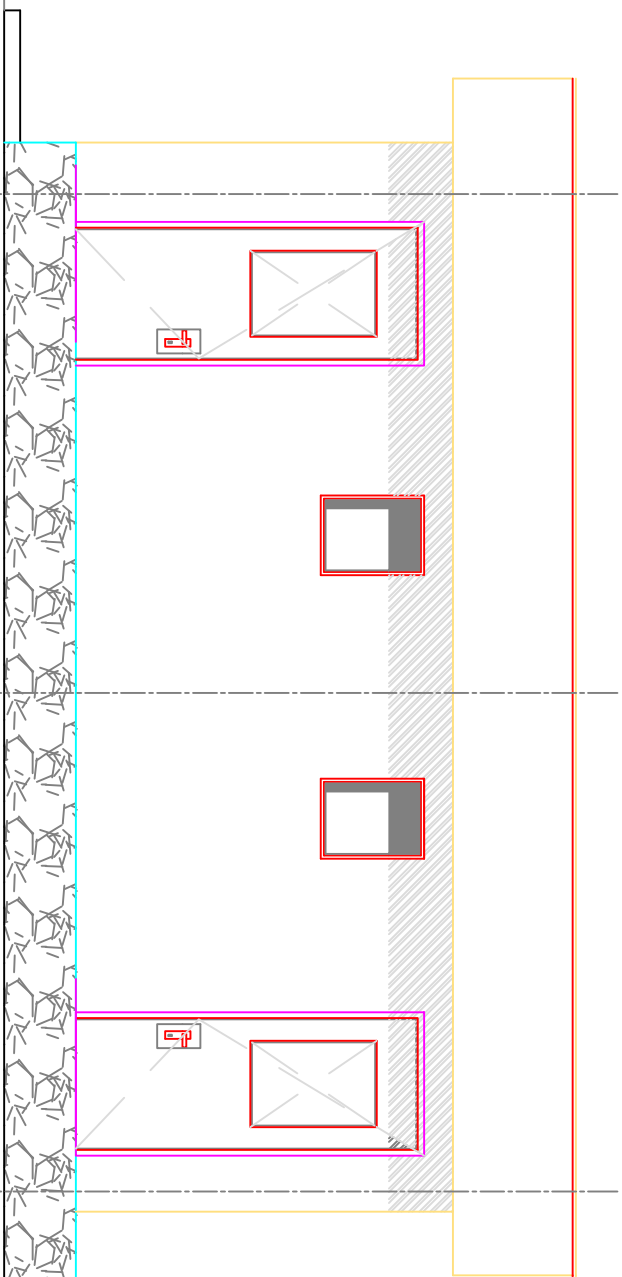


Note:

- 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 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 be clean.
- 7-All steel bars should be Class(41) $R_a = 2100 \text{ Kg/cm}^2$.
- 8-The curing must be not less than (28) days.

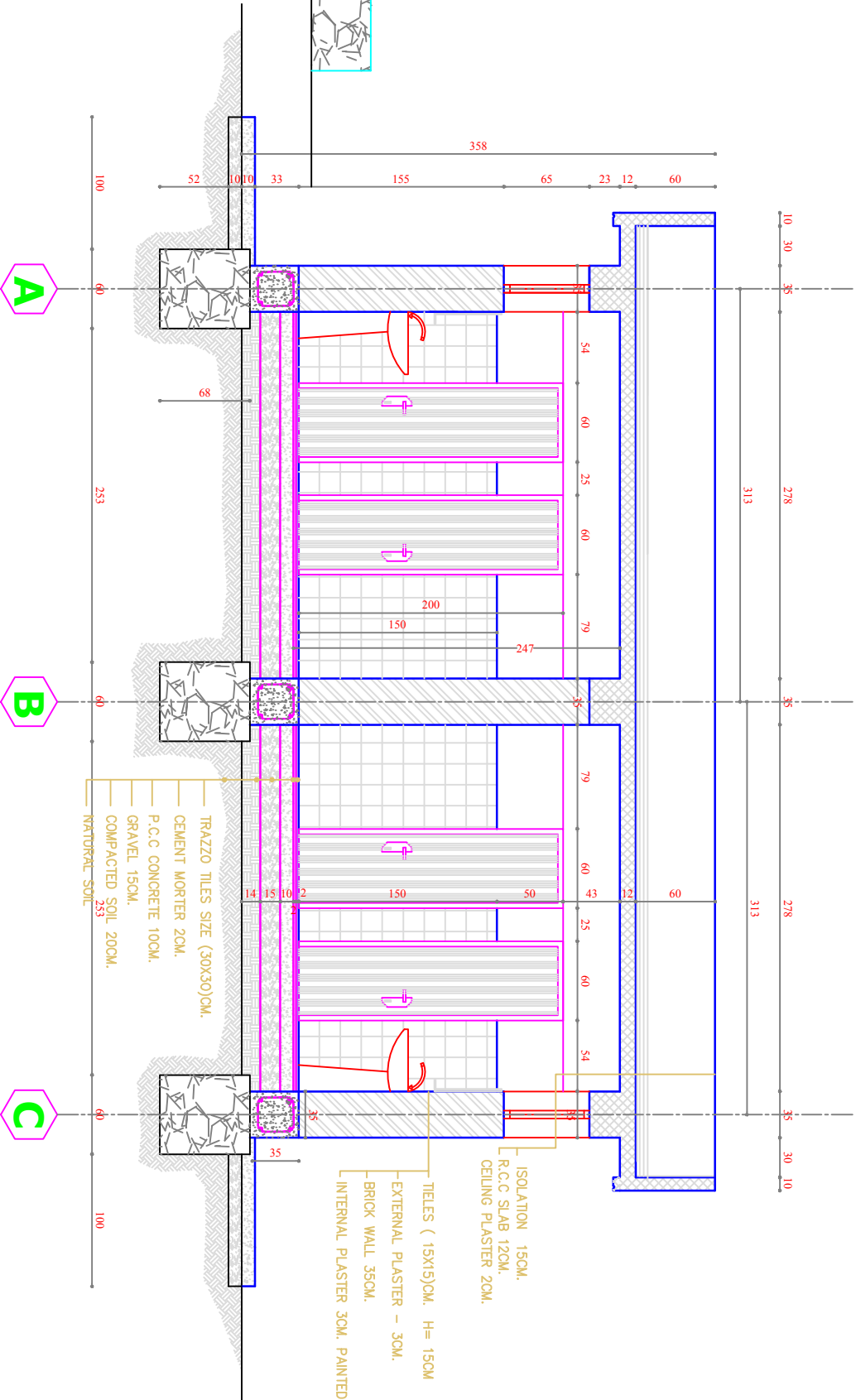
Front Preview Of Construction Toilets

SCALE 1:100



Section A-A

SCALE 1:100



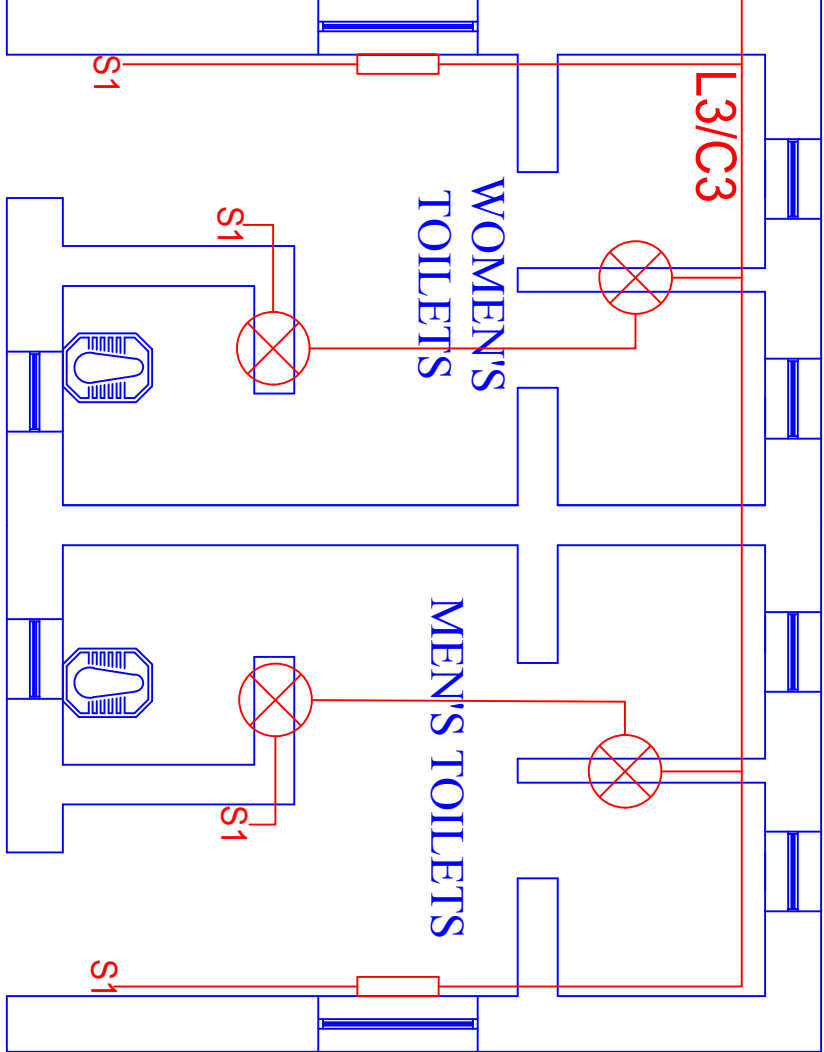
Note:

- 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 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(4I) Ra= 2100 Kg/cm² .
- 8-The curing must be not less than (28) days.

<div><div><div><div><div></div><div>UNHCR</div></div><div><div>The UN Refugee Agency</div></div></div><div>Atghanistan</div></div><div><div>ORUZGAN</div><div>BHC- PROJECT</div></div></div>					
Project Code	ORG- 000 - 000				
Project Title	New Construction of Toilets				
Drawing Title	front preview & Section of building				
Project Location	Oruzghan 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

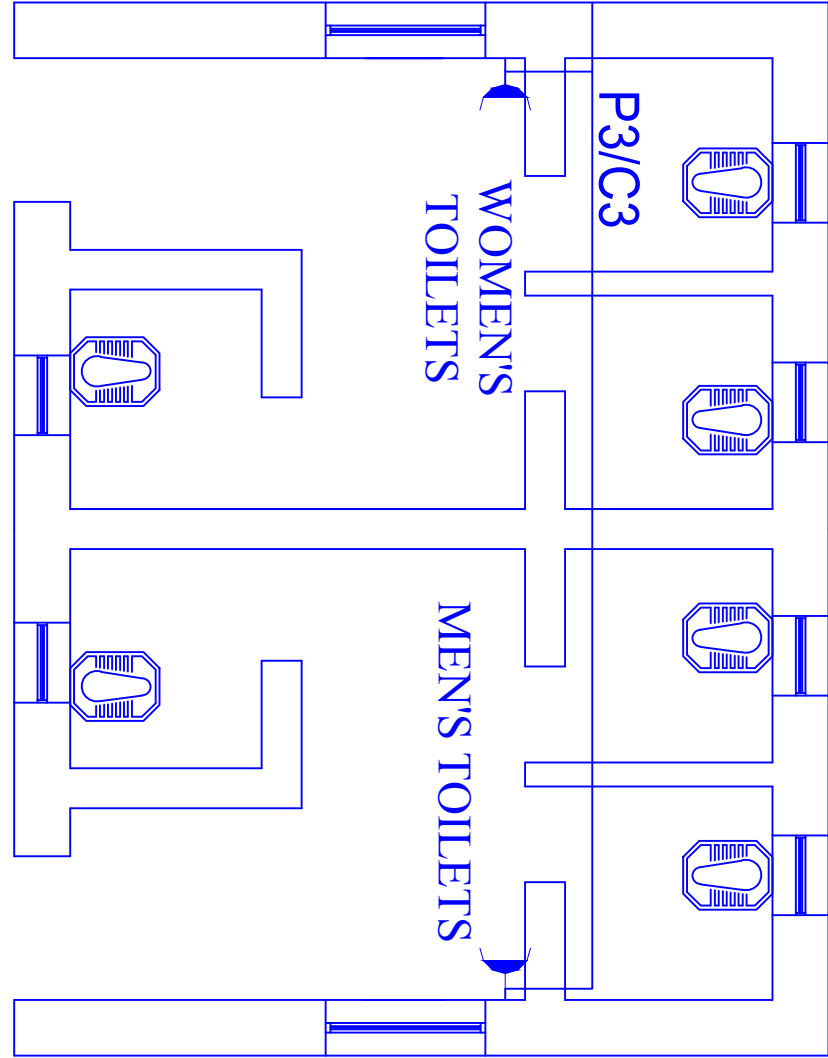
Electration Plan Of Construction Toilets

SCALE 1:100



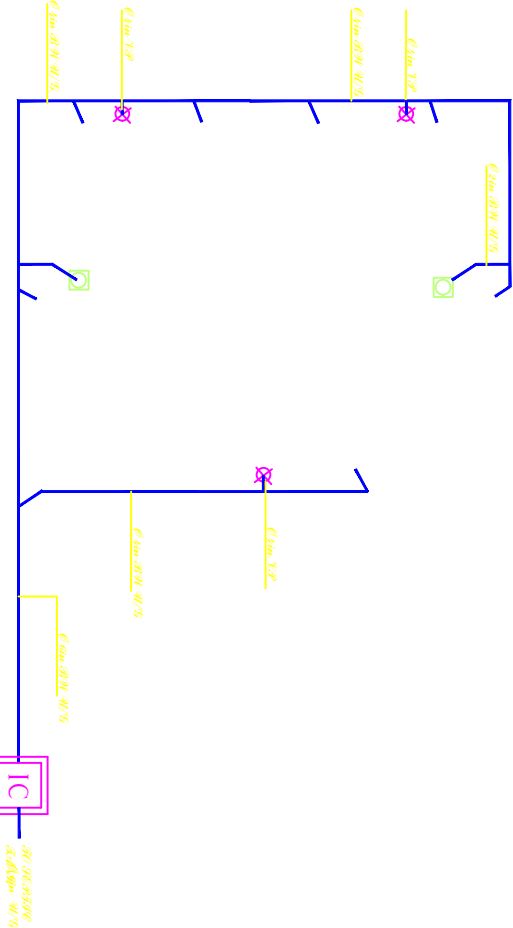
Mecanical Plan Of Construction Toilets

SCALE 1:100



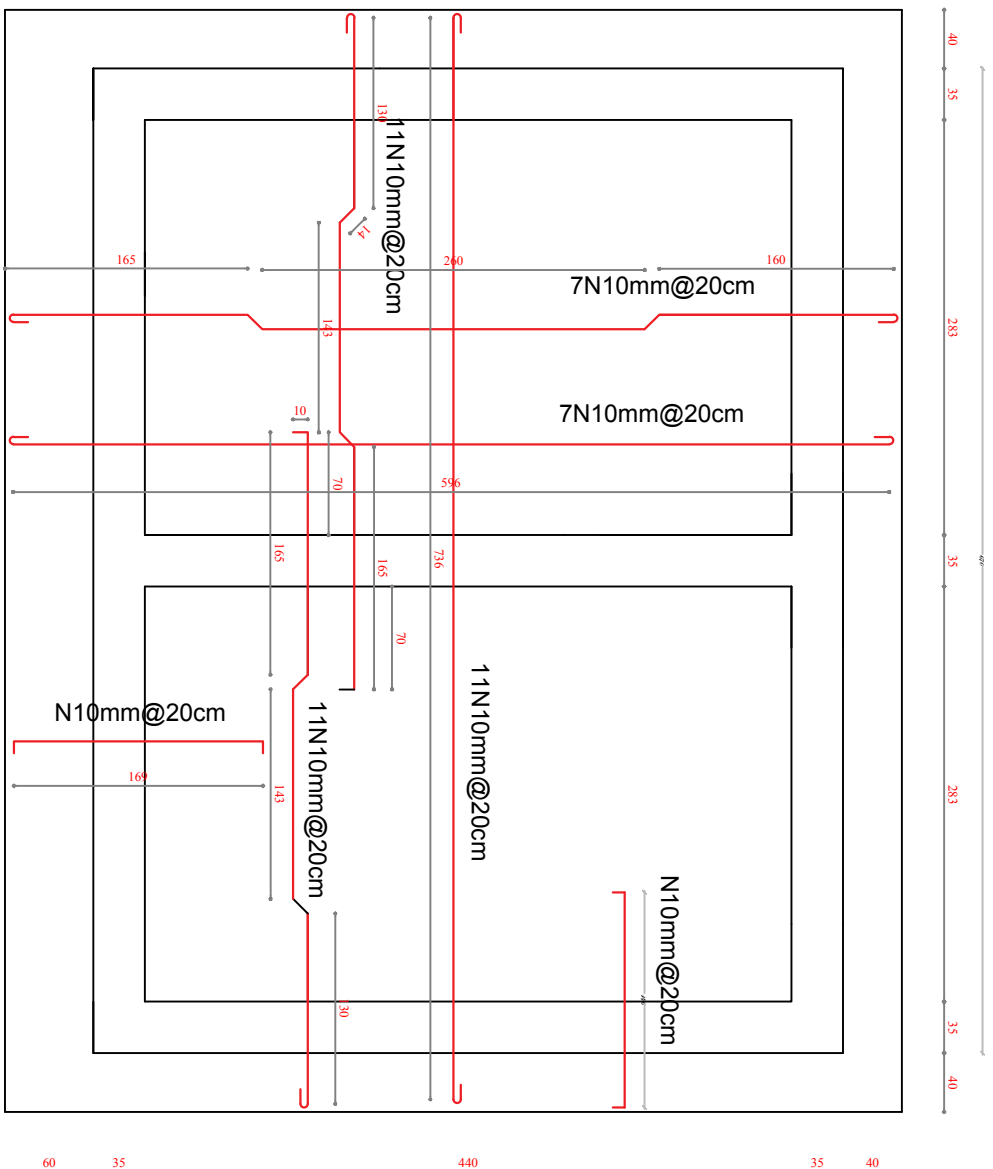
Note:

- 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 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(41) Ra= 2100 Kg/cm².
- 8-The curing must be not less than (28) days.

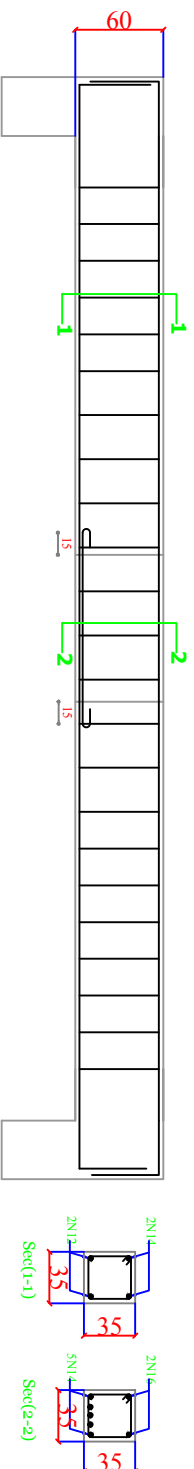


<div>UNHCR The UN Refugee Agency</div> <div>Afghanistan</div>					<div>ORUZGAN</div> <div>BHC- PROJECT</div>						
Project Code		ORG- 000 - 000									
Project Title		New Construction of Toilets									
Drawing Title		Felicitation & Mechanical plan									
Project Location		Oruzghan City									
Drawn By:		Designed By:		Checked By:		Revei w By:		Approved By:		Sheet No:	
Name		Eng. Amir M.								00 of 00	
Sign										Scales:	
Date										1:100	

STEL BENDING PLAN OF SLAB



TOILAT

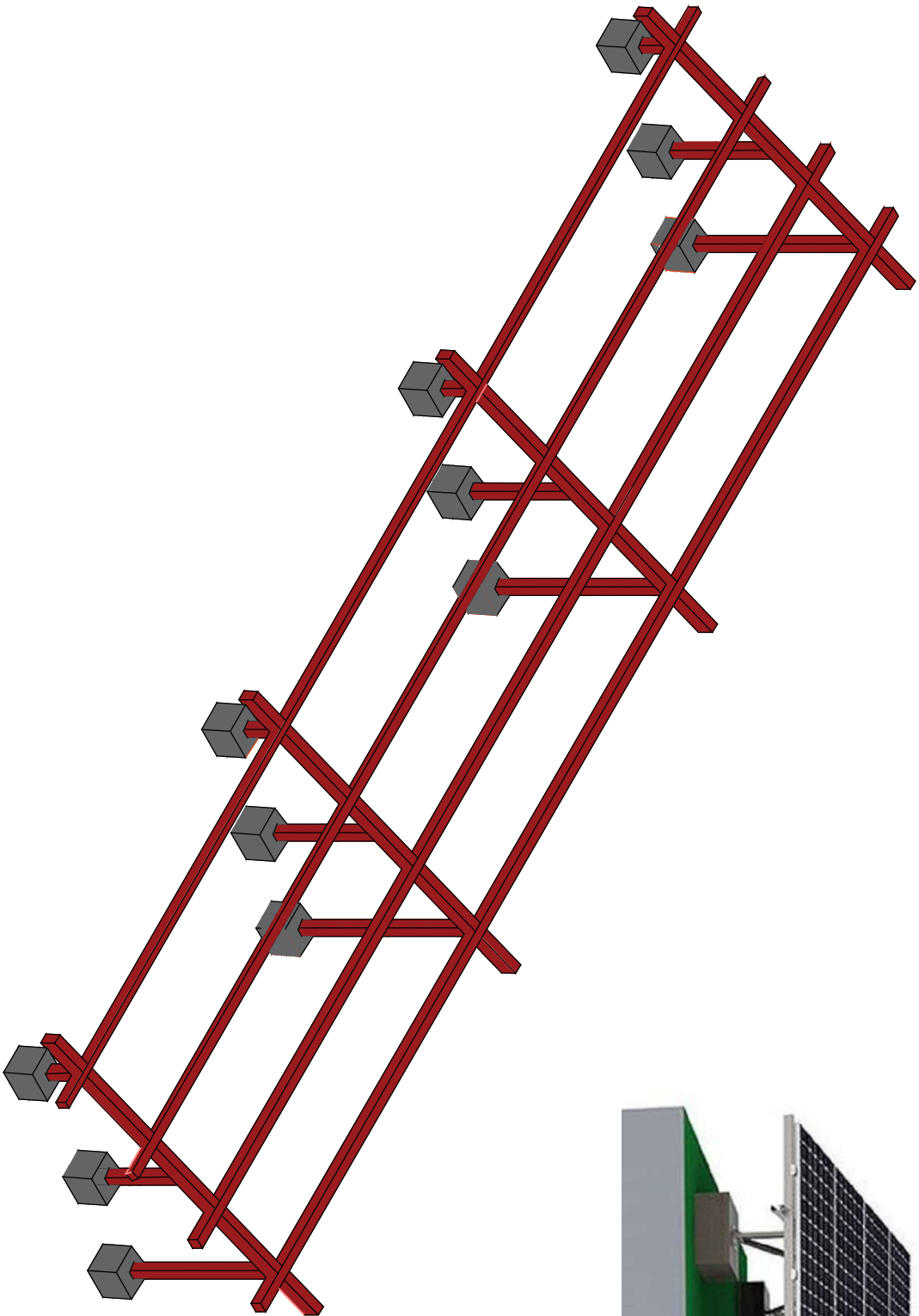


Specification:

- 1.Slab thickness: for slabs is 12 cm
- 2.for parapets is 7.5
- 3.cover : for slab is 2.5 cm ,for beams is 3cm for column is 4cm , for foundation is 6cm
- 4.plaster thickness: for walls shall be 2cm , for ceiling shall be 1cm of cement , lime ,sand at ratio of (1:5:10)
- 5.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.
- 6.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).
- 7.Aggregates: aggregates shall be clean crushed rock, hard, free from coating and dust. the maximum size of aggregate shall be 20 mm and not exceeding 75 between steel reinforcement or between reinforcement and formwork. % of the clear spacing
8. Earthquake coefficients: This is considerate in design
I= 1.5 (for hospital & clinics)
K= 1 (for ordinary frame
9. the dimension of foundation is designed for Bearing capacity =2Ton/m² if the BC is smaller than this ,the dimension must be change according bearing capacity of that earth. structure building)

<div>UNHCR Afghanistan <small>The UN Refugee Agency</small></div> <div>ORUZGAN BHC- PROJECT</div>					
Project Code	NRZ- 000 - 000				
Project Title	New Construction of Toilets				
Drawing Title	Reinforcement bending floor of building				
Project Location	Oruzghan City				
Drawn By:	Designed By:	Checked By:	Revised By:	Approved By:	Sheet No:
Name	Eng. Amir M.	Eng. Amir M.			00 of 00
Sign					Scales:
Date					1:1:00

Solar panel frame design and specification



Note:

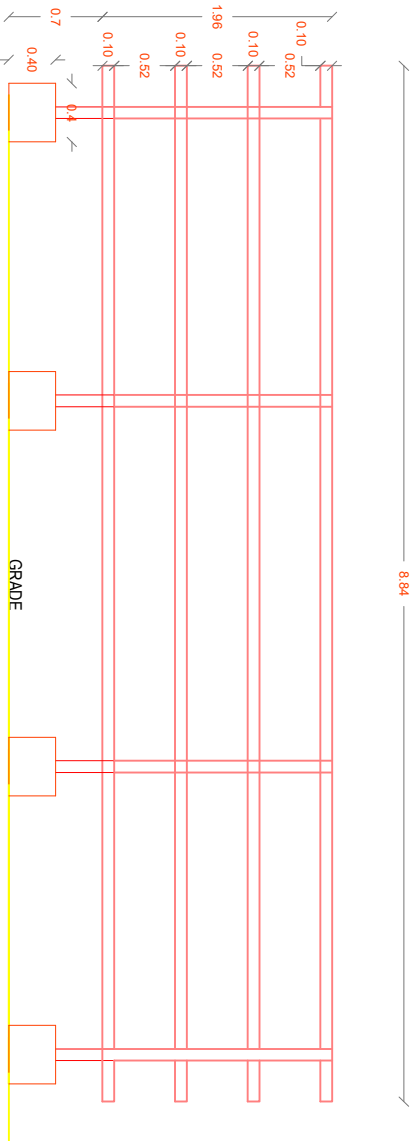
1-All dimension are in meter .



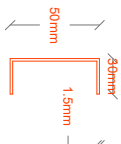
Project code	KDR - 000 - 000		
Project			
Drawing Title	Solar panel frame design and specification		
Project Location	South Region Kandahar Afghanistan		
Drawn By:	Designed By:	Checked By:	
Name Engr.Esmatullah	Engr.Esmatullah	Engr. Imran danish	
Sign			
Date			



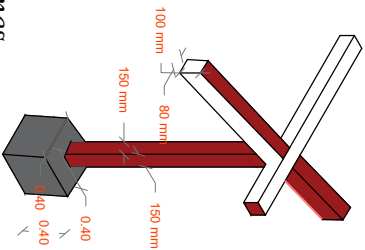
Solar panel frame design and specification



FRONT VIEW



DETAILS of L Ring



DETAILS of L Ring

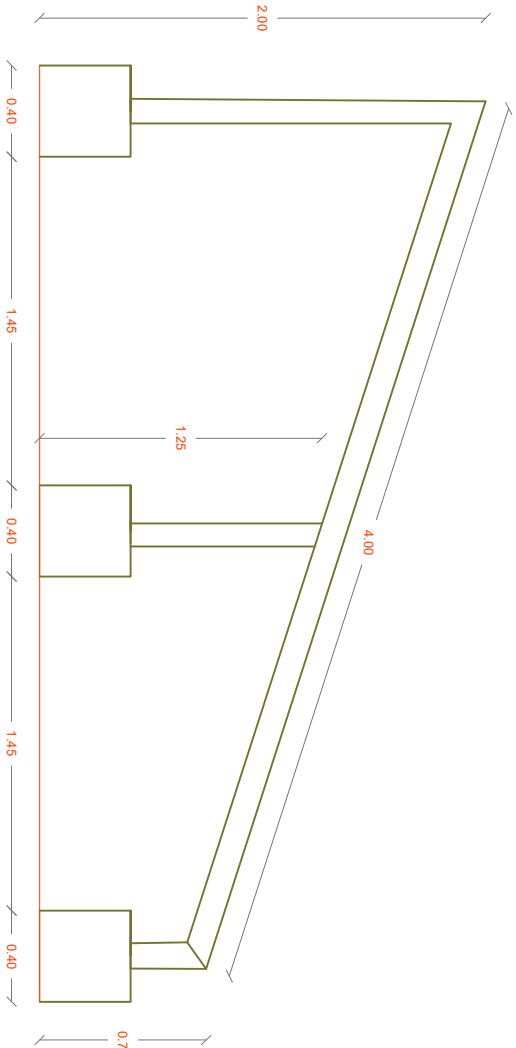
- Note:**
- 1-Steel for frame will be 18 Gauge
 - 2-Solar panels must be netted and bolted in L Ring frames
 - 3-L Ring will be (thickness=1.5mm)
 - 4-Frames must be welded by electricity
 - 5-All dimension are in Meter .



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			

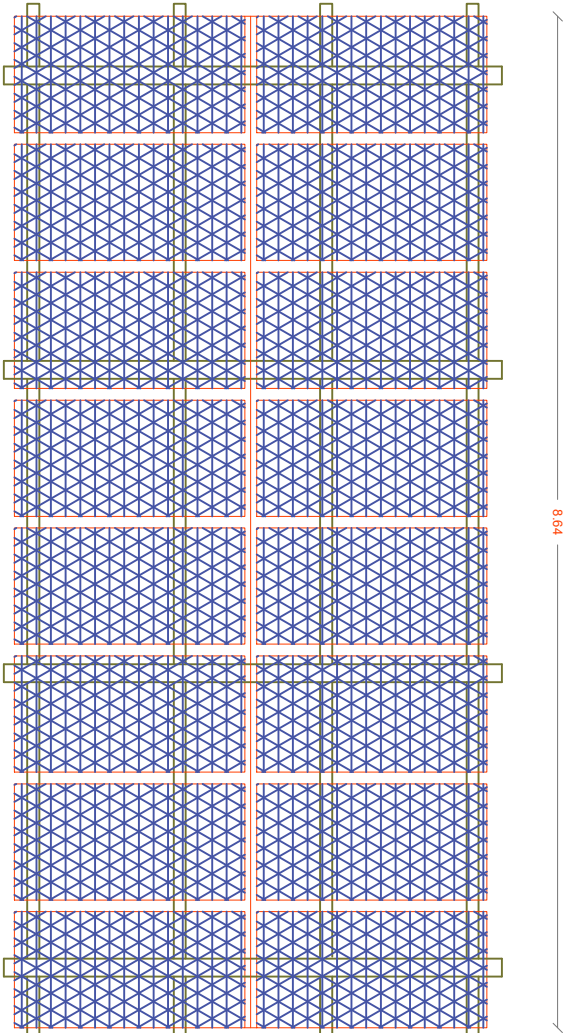


SAMPLE IMAGE

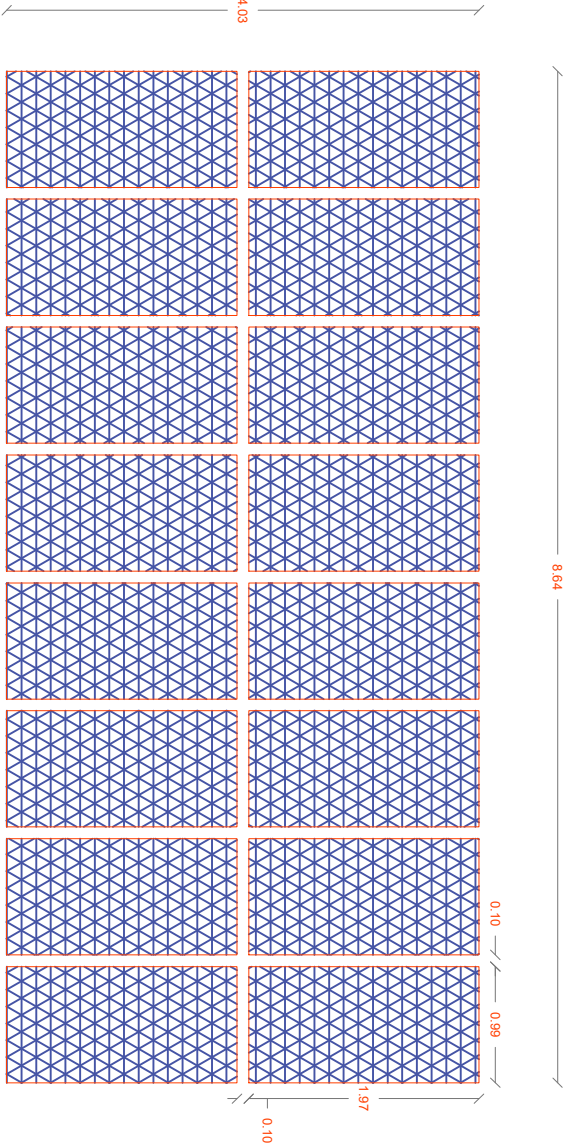


SECTION VIEW

Solar panel frame design and specification



TOP VIEW



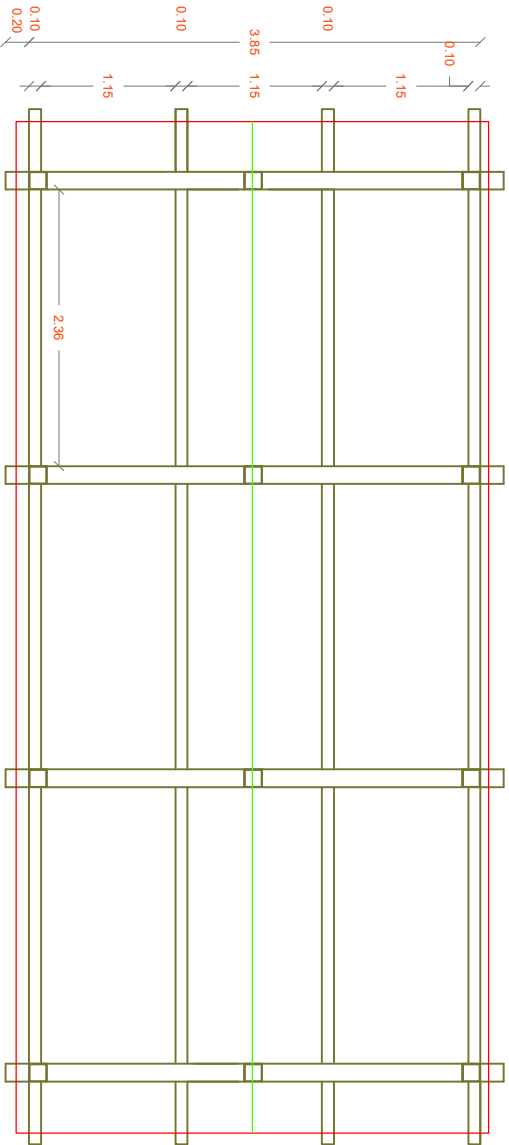
Top VIEW

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 .



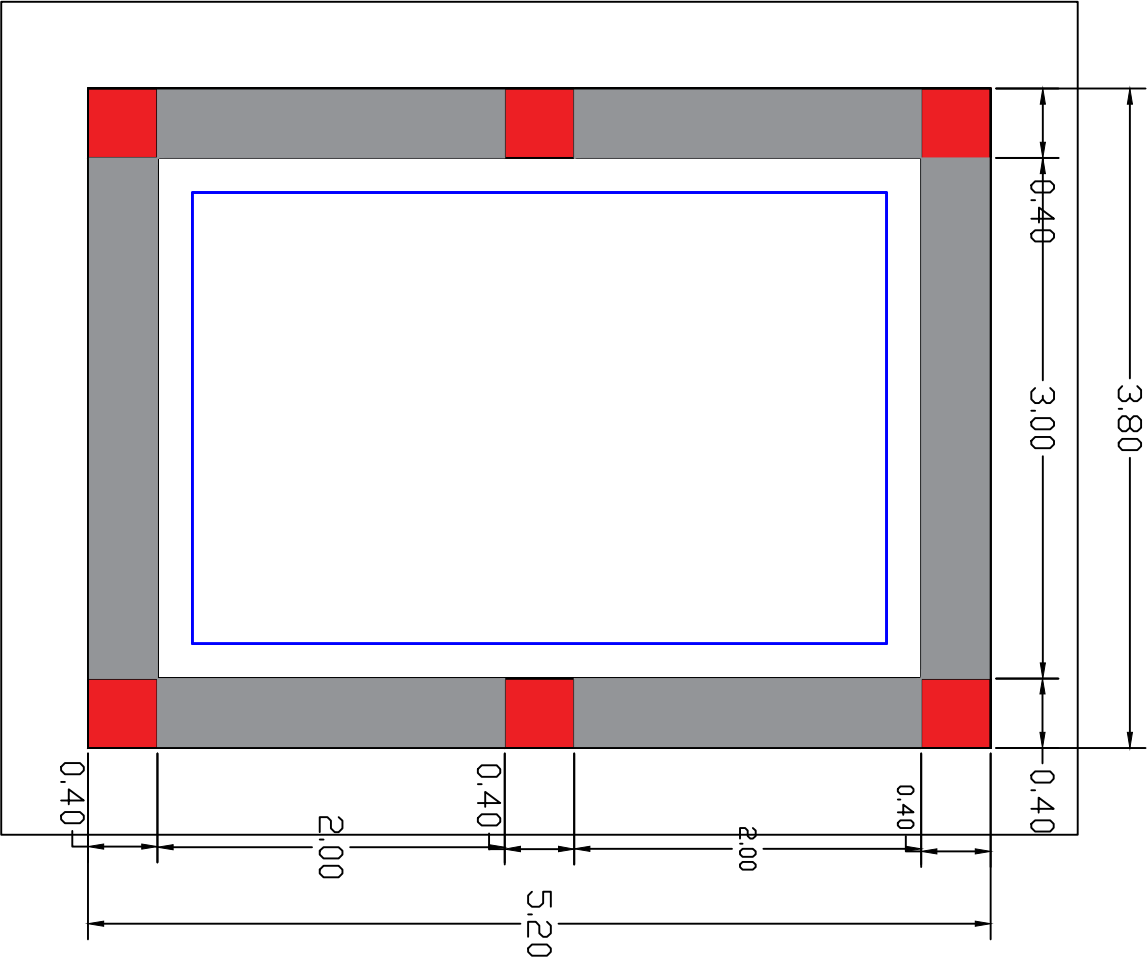
Project code	KDR - 000 - 000		
Project			
Drawing Title	Solar panel frame design and specification		
Project Location	South Region Kandahar Afghanistan		
Drawn By:	Designed By:	Checked By:	
Name Engr. Esmatullah	Engr. Esmatullah	Engr. Imran danish	
Sign			
Date			



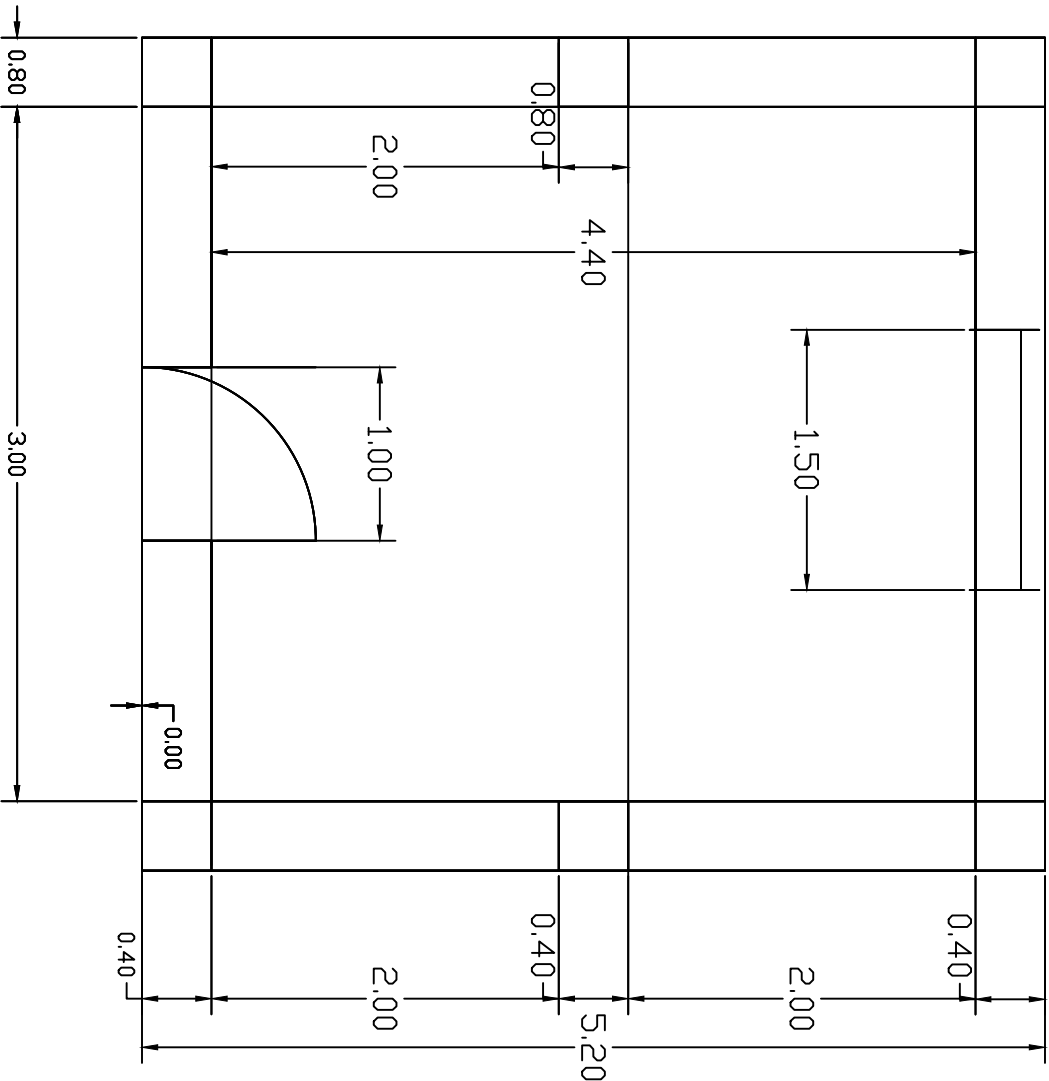
TOP VIEW

WATER RESERVOIR with volume = 30 cum

PLAN OF RESERVOIR

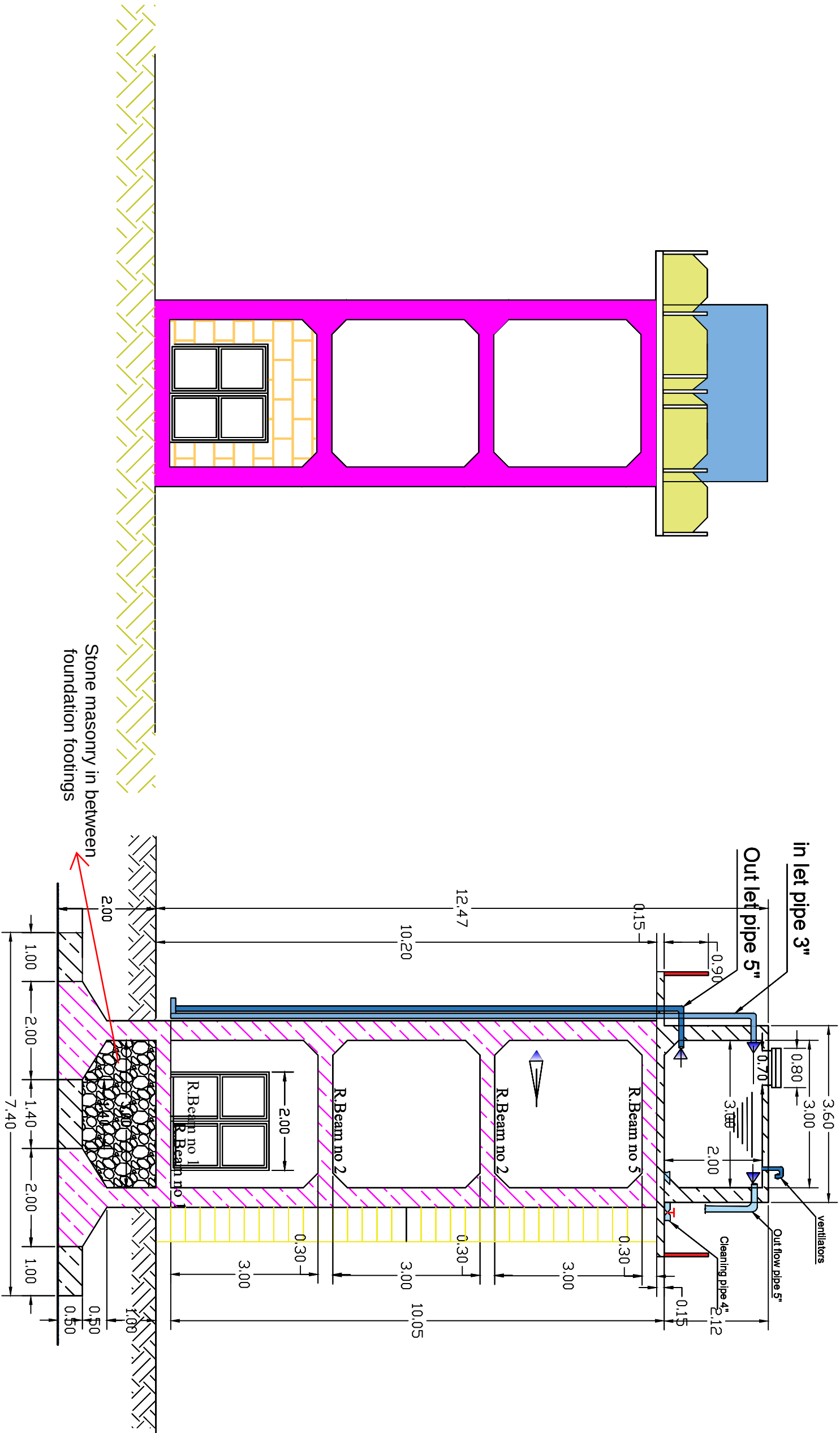


Store room



<div></div>			MINISTRY OF EDUCATION AFGHANISTAN			Scale		Province		Project name: RCC elevated Water reservoir 300 m3 Drawing Title: Plan & sections	
No	Date	Revision	Survey by			Date	1 : 100				
1			Structural.D. by			25 09 17	2	01			
2			Drawn by				01	01	District	Village	
3			Approved by			Drawing No.	ST-01				

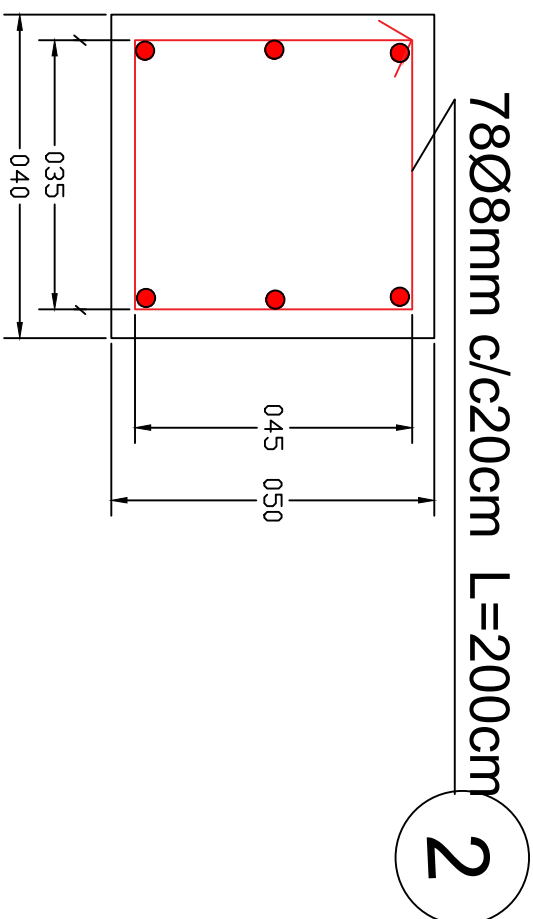
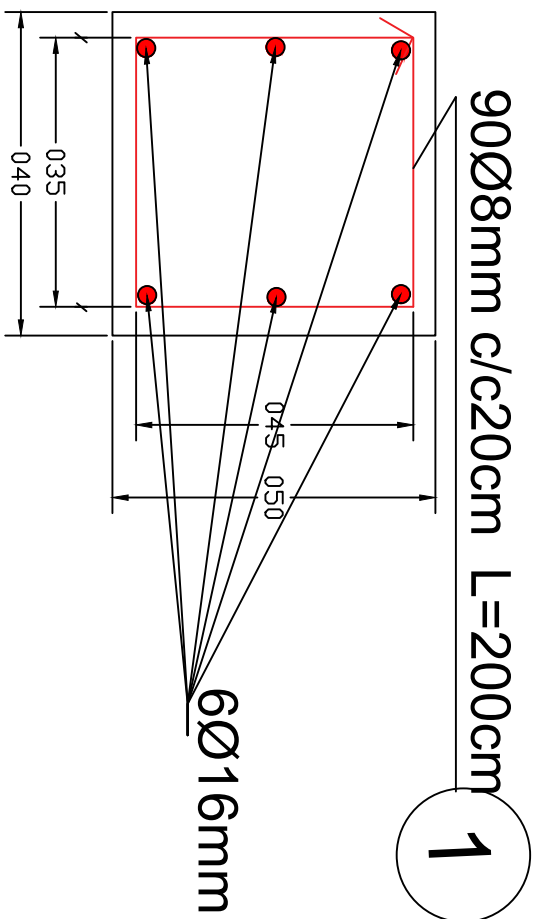
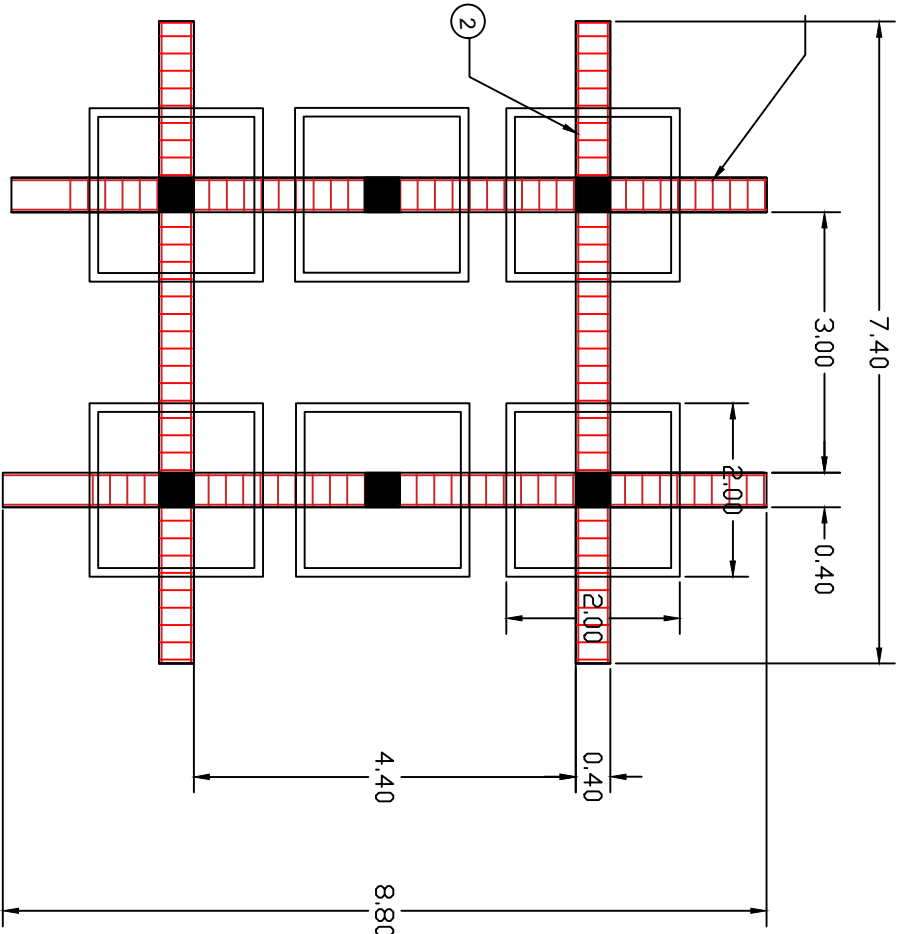
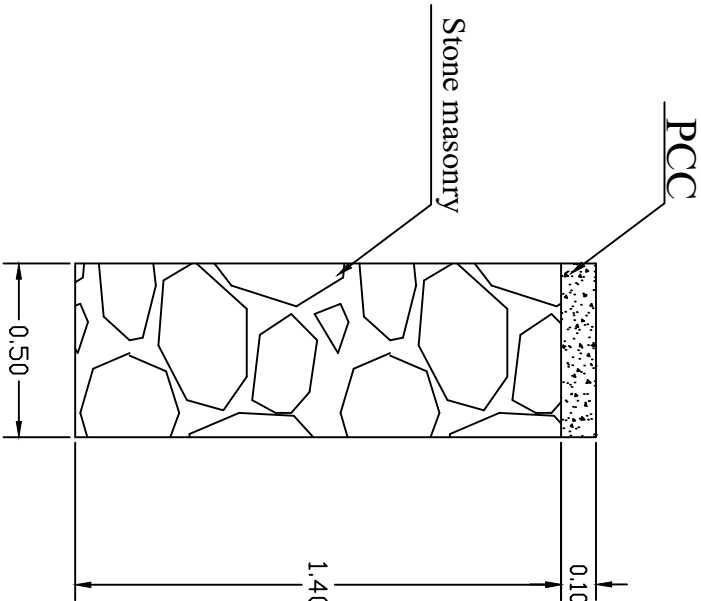
FRONT ELEVATION & SECTION A-A



No	Date	Revision	Survey by	MINISTRY OF EDUCATION AFGHANISTAN			Scale	1 : 100	Province	Project name: RCC elevated	
1			Structural.D. by	OFFICE :			Date	25 09 17	District	Water reservoir 300 m3	
2			Drawn by	PROGRAM:WATER SUPPLY						Drawing Title: Plan & sections	
3			Approved by	ENGINEERING DEPARTMENT			Drawing No.	ST-01	Village		

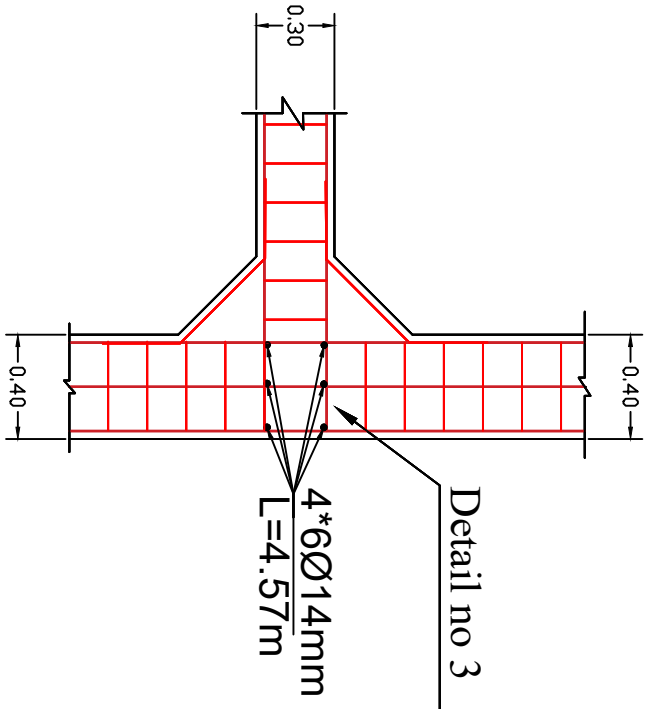
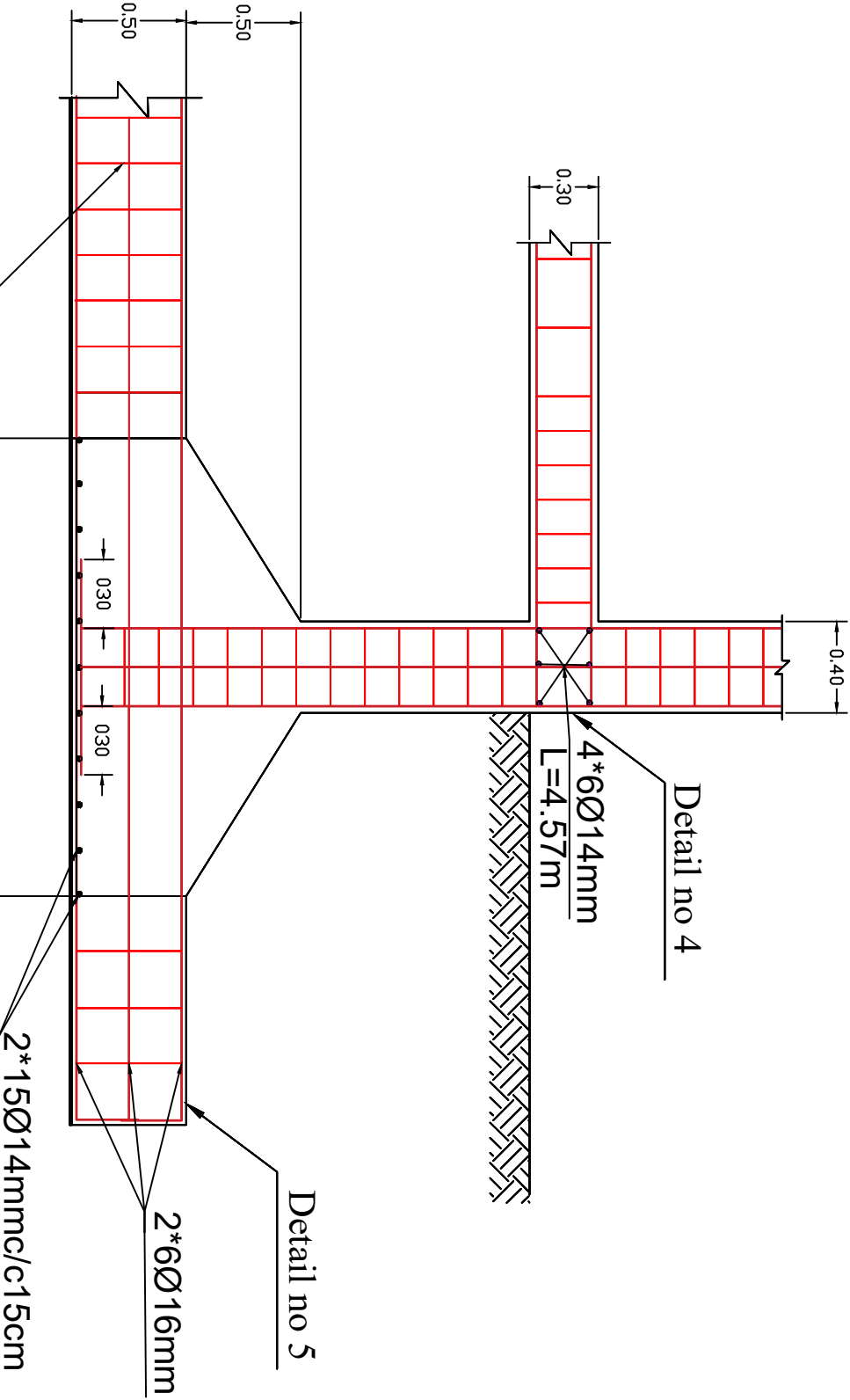
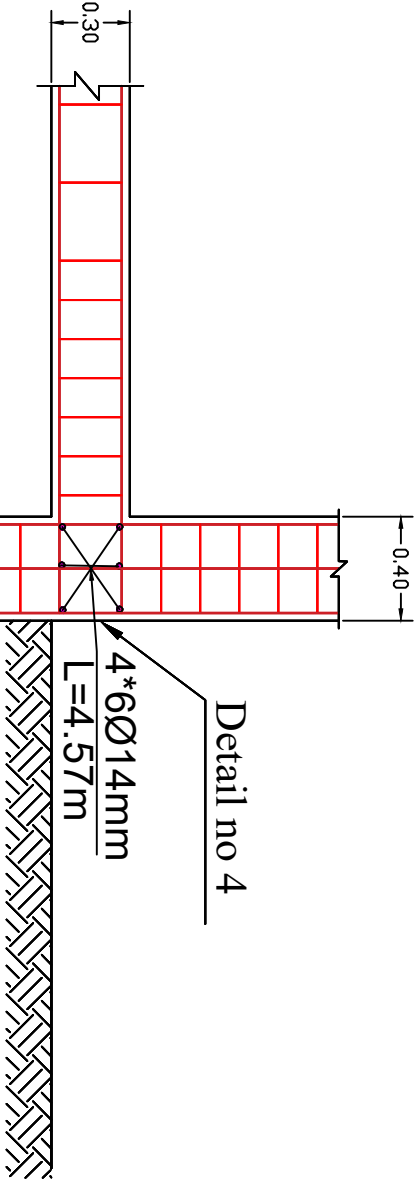
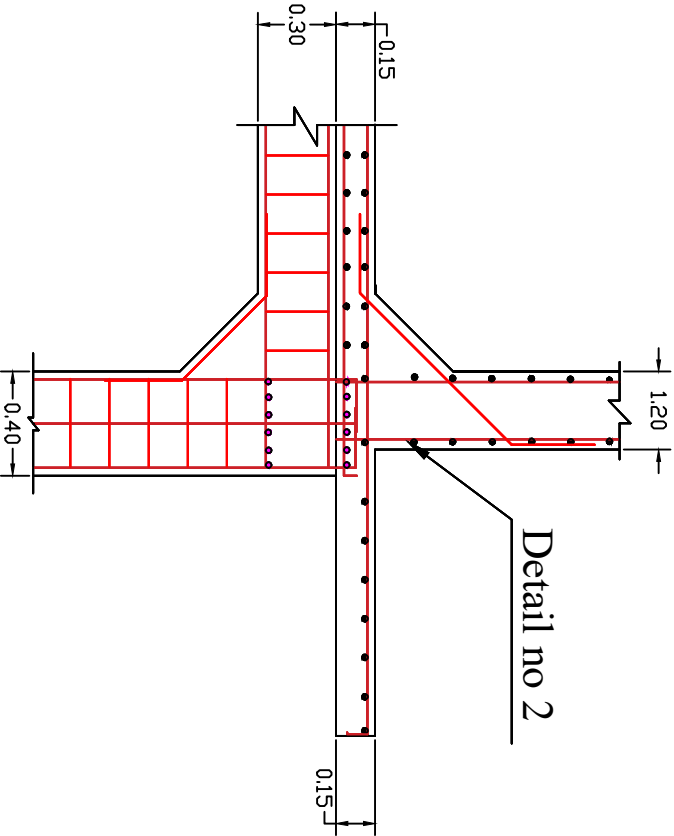
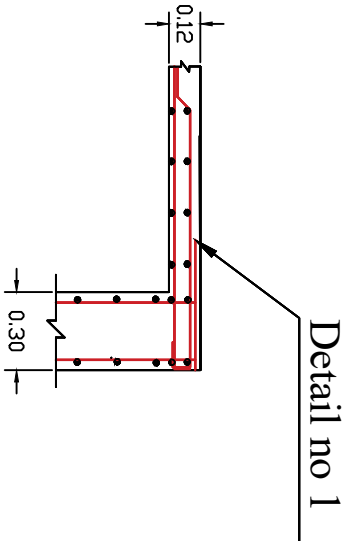
PLAN STEEL BAR OF RING BEAM ABOVE FOUNDATION

SECTION A-A
for stone masonry in between
foundation footings



No	Date	Revision	Survey by	MINISTRY OF EDUCATION AFGHANISTAN		Scale	Province	Project name: RCC elevated	
1			Structural.D. by	OFFICE :		1 : 100		Water reservoir 30.0 m3	
2			Drawn by	PROGRAM:WATER SUPPLY		Date 25 09 17	District		
3			Approved by	ENGINEERING DEPARTMENT		Drawing No. ST-01	Village		

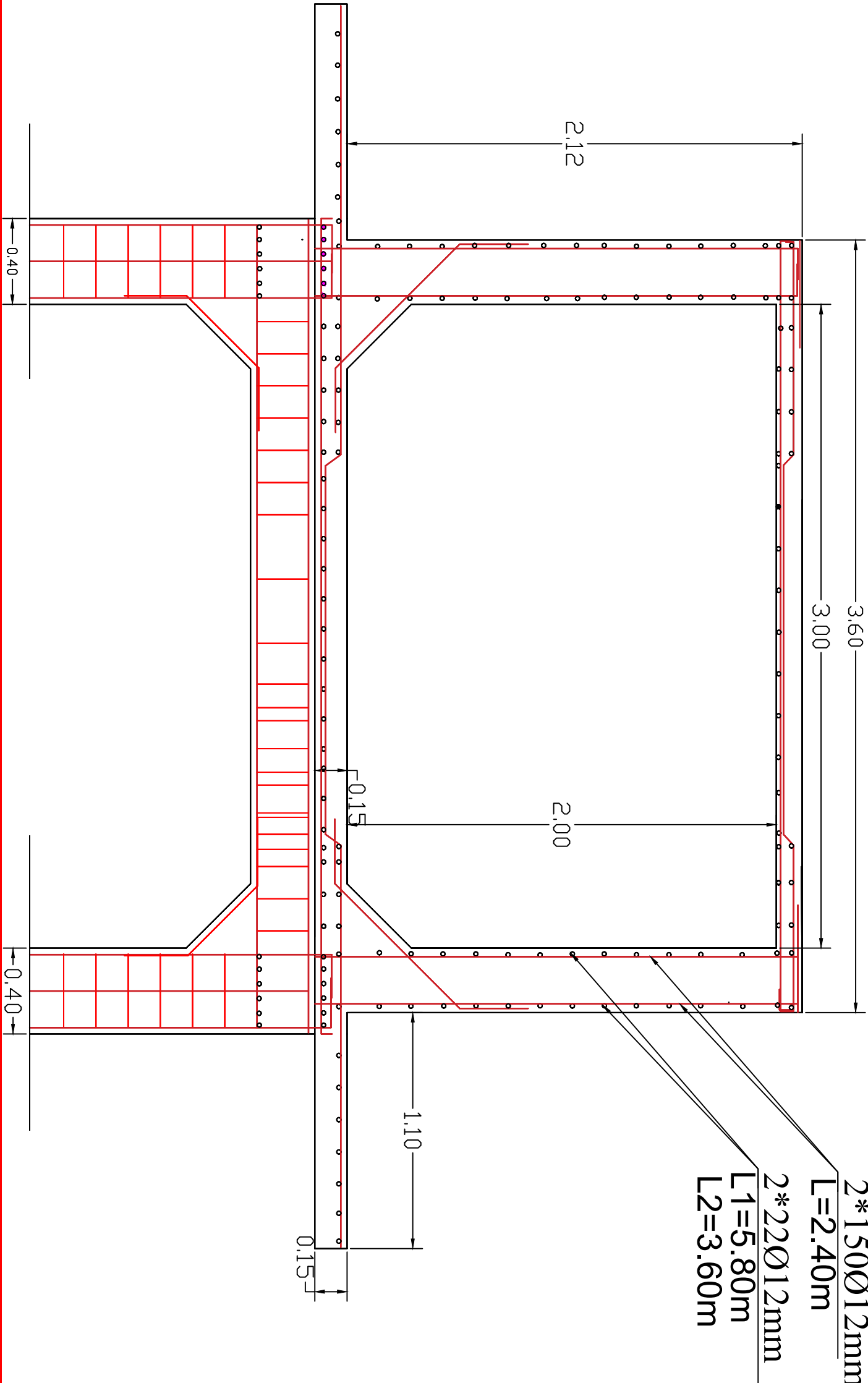
REINFORCEMENT WITH DETAILS



90Ø8mm c/c20cm L=200cm-①
78Ø8mm c/c20cm L=200cm-②

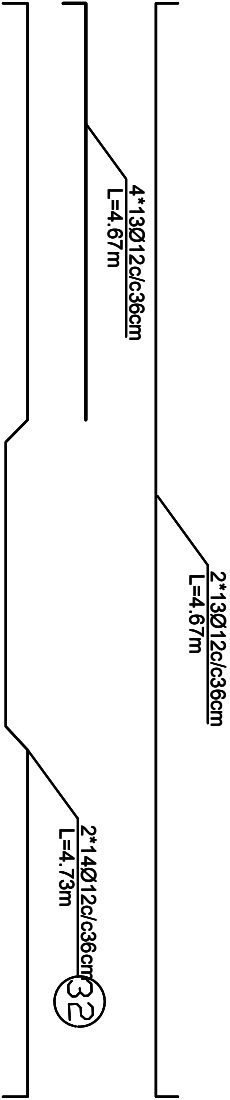
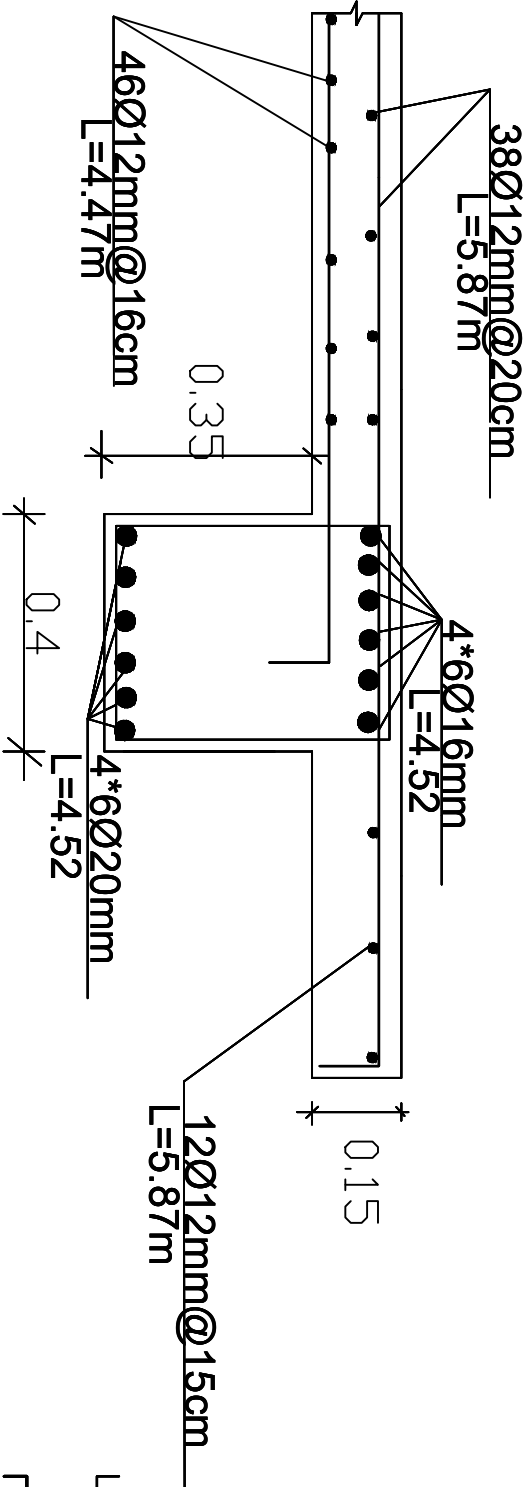
No				Date		Revision		Survey by		Structural.D. by		Drawn by		MINISTRY OF EDUCATION AFGHANISTAN		Scale		Province	
1														OFFICE :		1 : 100			
2														PROGRAM:WATER SUPPLY		25 09 17			
														ENGINEERING DEPARTMENT					

RESERVOIR REINFORCEMENT DETAILS

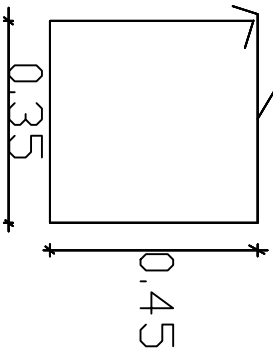


<div></div>			MINISTRY OF EDUCATION AFGHANISTAN			Scale		
No	Date	Revision	Survey by			1 : 100	25 09 17	01
1			Structural.D. by			Date		District
2			Drawn by			Drawing No.	ST-01	Village
3			Approved by			Project name: RCC elevated Water reservoir 300 m3		
			ENGINEERING DEPARTMENT			Drawing Title: Plan & sections		

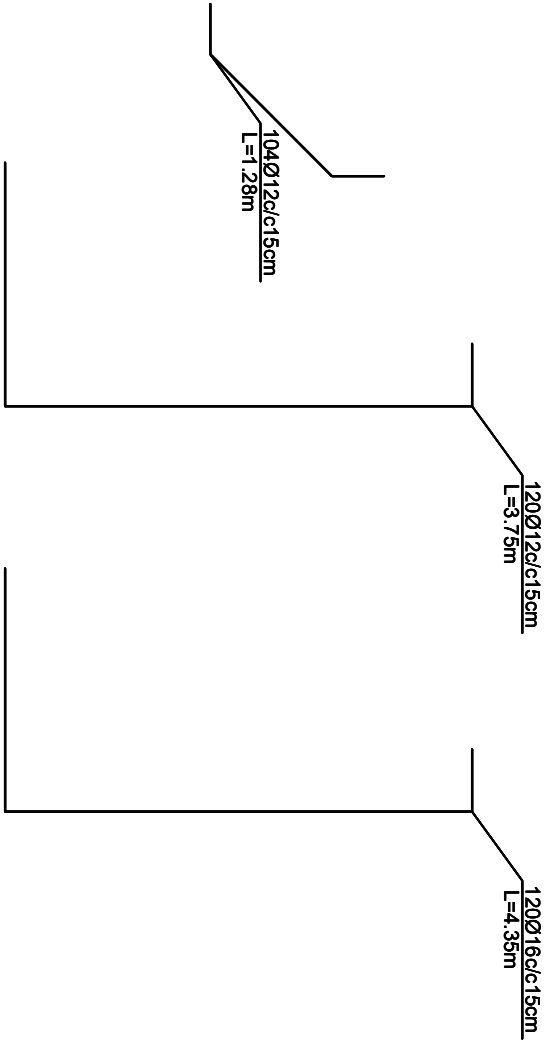
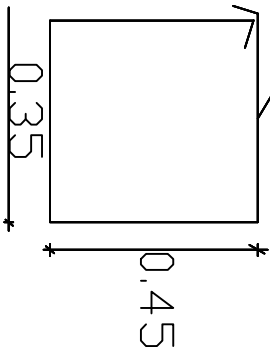
Reinforcement details for detail no 2



80Ø8mm c/c15cm L=1.80m

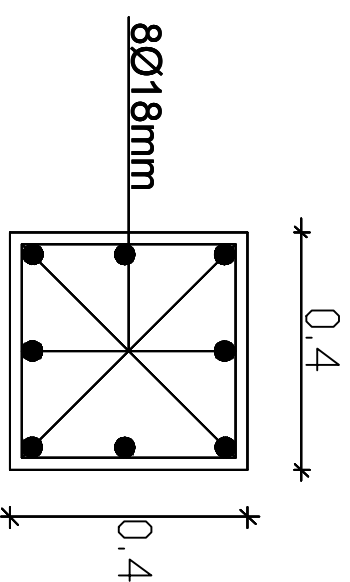


30Ø8mm c/c20cm L=1.80m

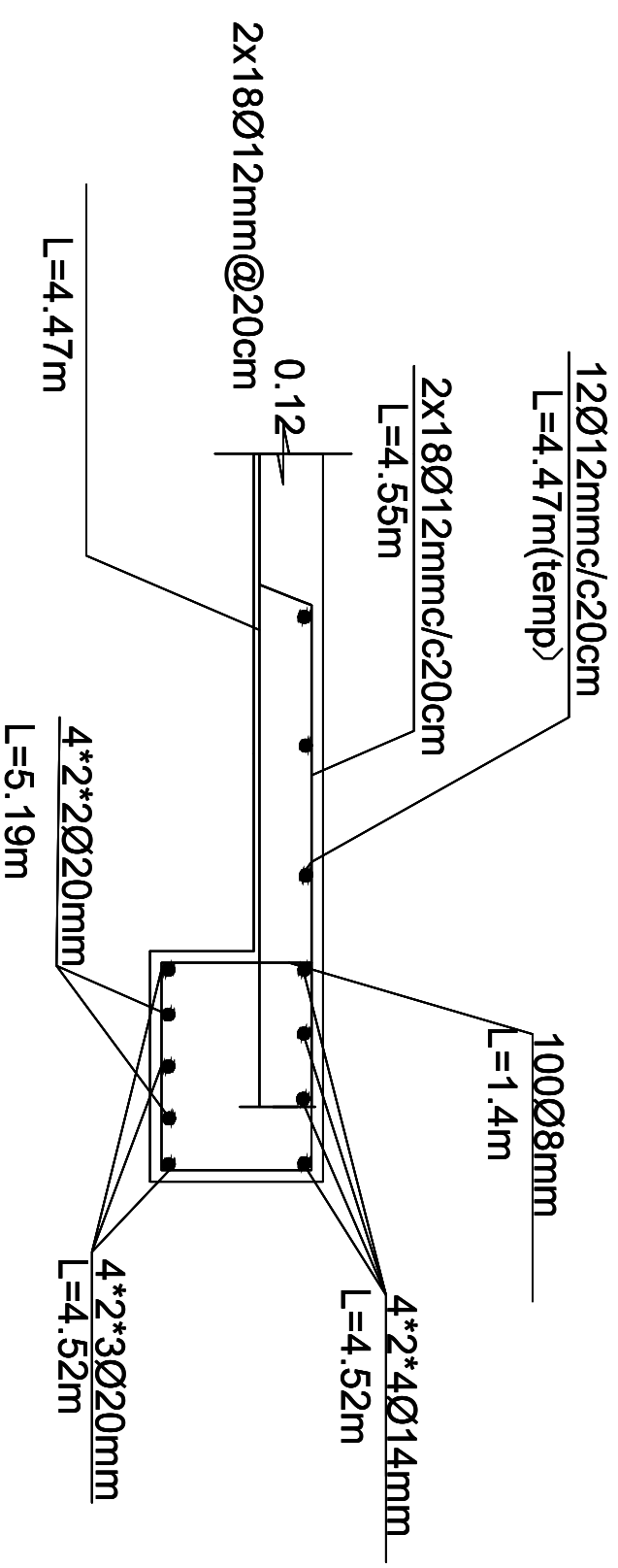
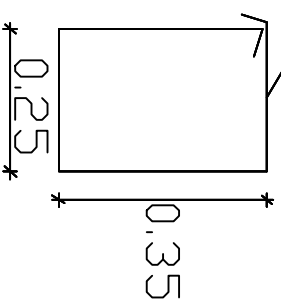
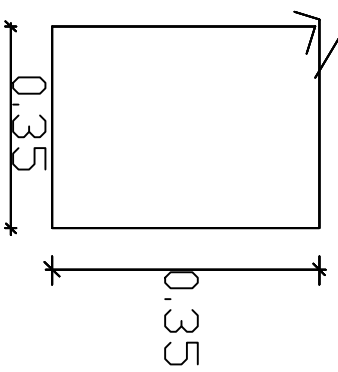
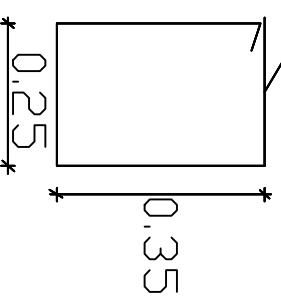
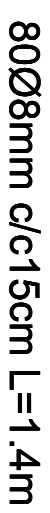
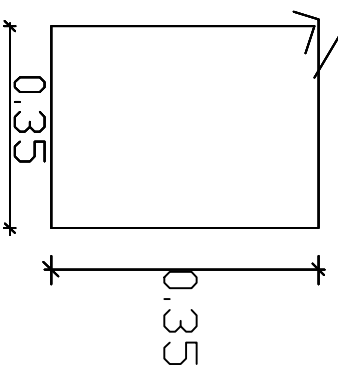
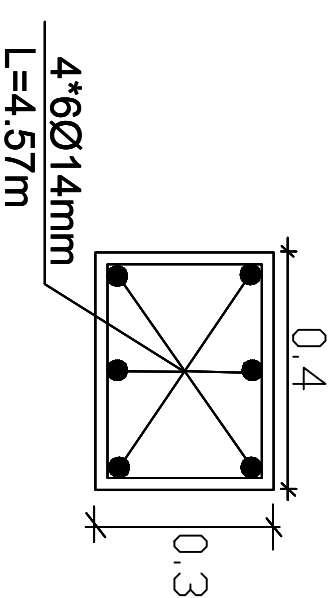



			MINISTRY OF EDUCATION AFGHANISTAN			Scale		
No	Date	Revision	Survey by					1 : 100
1			Structural.D. by			Date	25 09 17	Project name: RCC elevated Water reservoir 300 m3
2			Drawn by					Drawing Title: Plan & sections
3			Approved by			Drawing No.	ST-01	

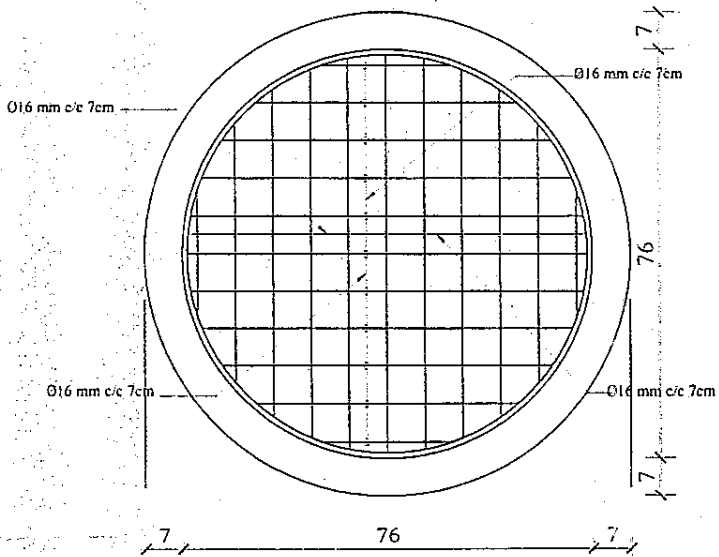
Section details for Columns



Section details for Beams

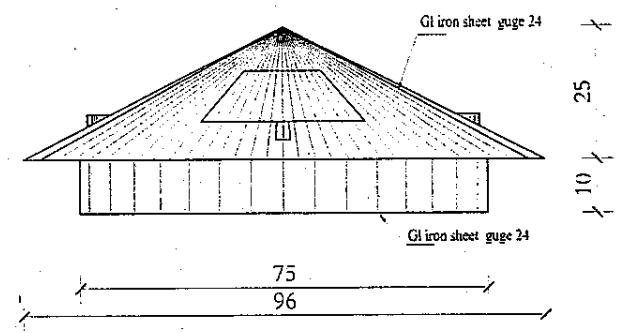
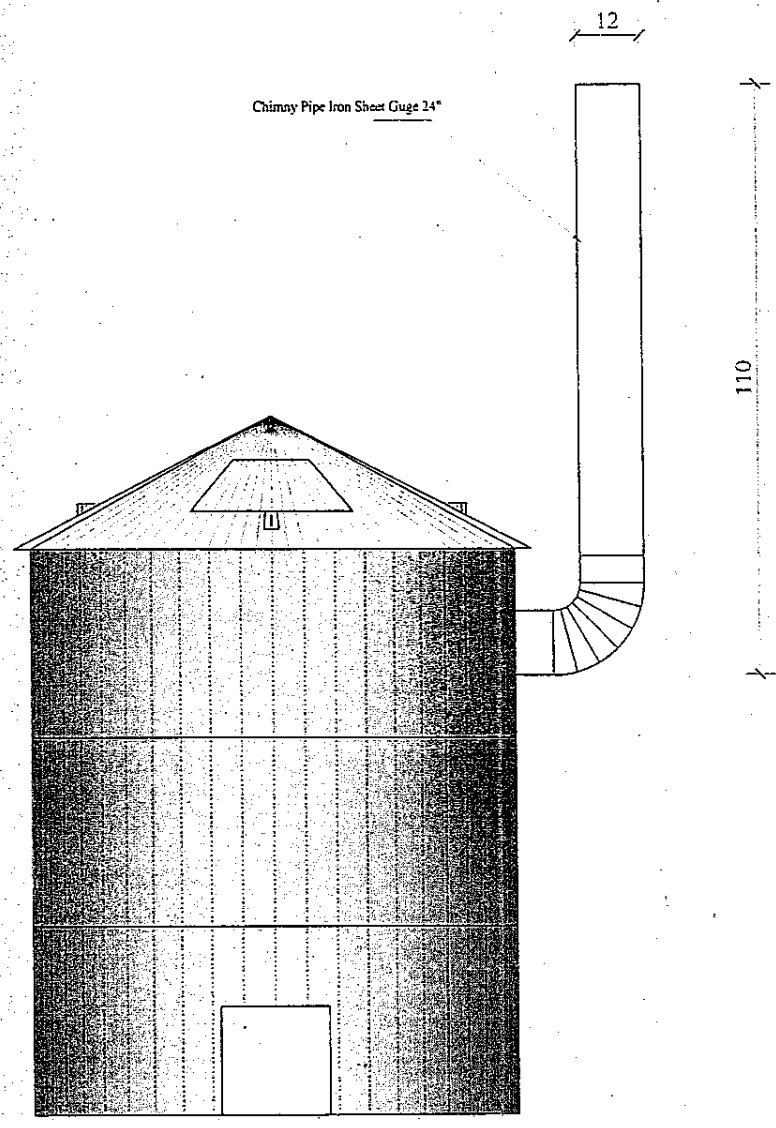


		MINISTRY OF EDUCATION AFGHANISTAN OFFICE : PROGRAM:WATER SUPPLY ENGINEERING DEPARTMENT	
No	Date	Revision	Survey by
1			Structural.D. by
2			Drawn by
3			Approved by
		Scale	1 : 100  01 District
		Date	25 09 17 District
		Drawing No.	ST-01
		Project name: RCC elevated Water reservoir 30.0 m3 Drawing Title: Plan & sections	

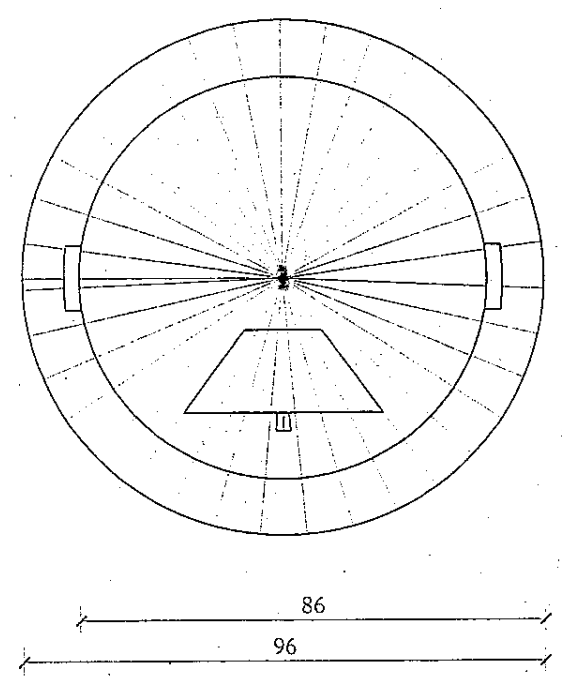


Code 201/240 Lit.

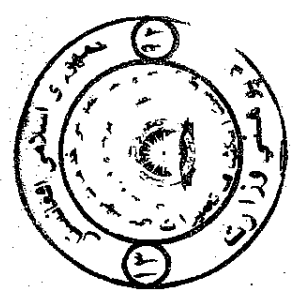
BASKET PRICE 3000 AFGHANIS. (1)



View of Iron Sheet Cover gage 24"



Plan of Iron Sheet Cover gage 24"



MINISTRY OF EDUCATION DEPARTMENT OF CONSTRUCTION	STANDARD SCHOOL DESIGN IN AFGHANISTAN	ARCHITECTURE PROJECT NAME DRAWING TITLE	PCC GARBAGE Ø 90 CM View & detail
		PROJECT NAME DRAWING TITLE	PCC GARBAGE Ø 90 CM View & detail