



UNHCR
The UN Refugee Agency

Afghanistan



زنان برای زنان افغان
ښځې د افغان ښځو لپاره
WOMEN FOR AFGHAN WOMEN

MINISTRY OF EDUCATION

MoE / Documents

Department of Construction / Technical Services

Documents

12 Class Rooms Shewin Alia Secondary School

Location:

Arghandab District, Kandahar Province

ARCHITECTURE

&


ENGINEERING

DESIGN

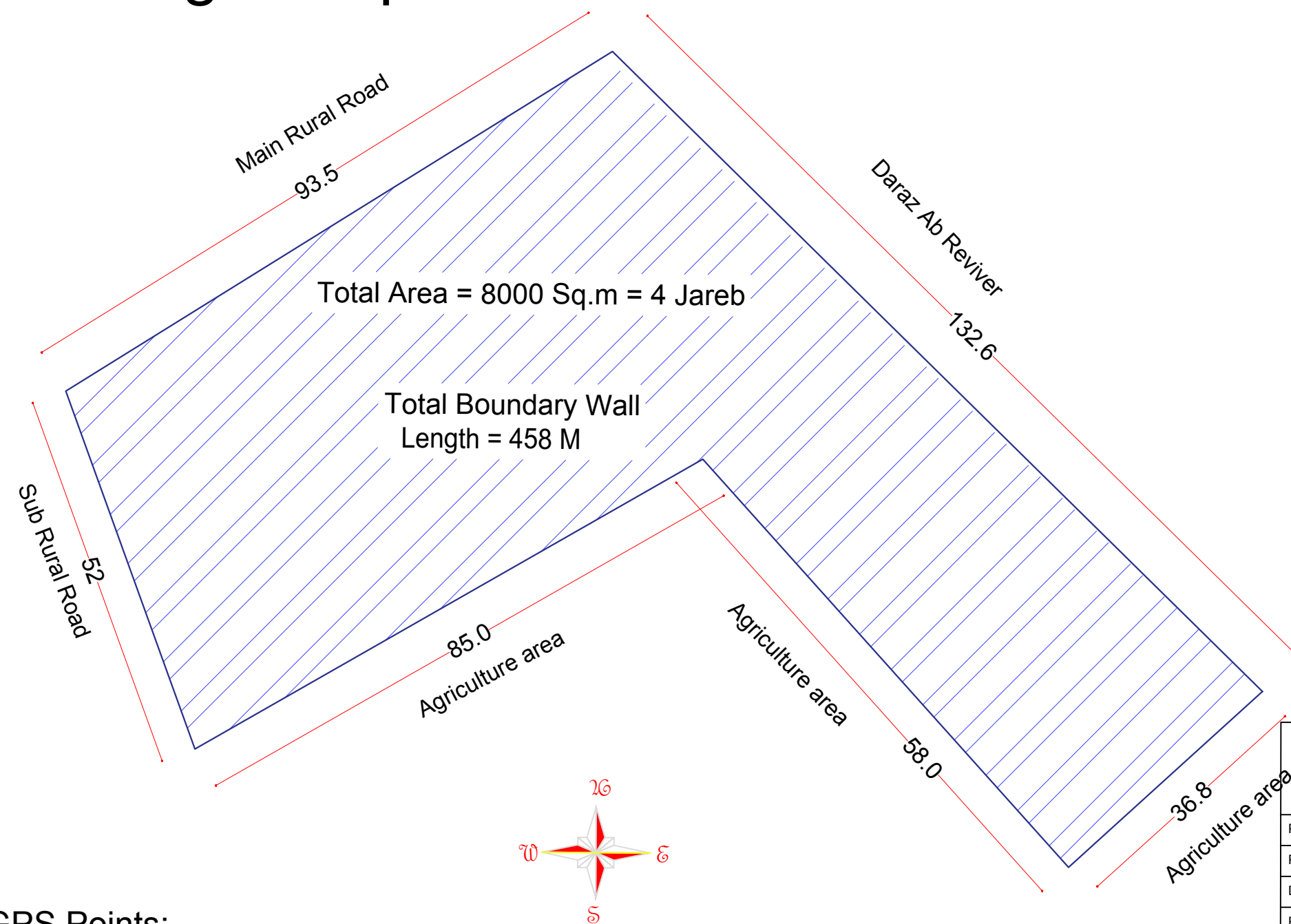
0I-Des-2022

Shewin Alia Secondary School Sketch S1:100



<div><div> UNHCR The UN Refugee Agency</div><div>Afghanistan</div><div>KANDAHAR SCHOOL CONSTRUCTION PROJECT</div></div>				
Project code		KDR - 000 - 000		
Project		Site Plan of Shewen alia School Futsal		
Drawing Title		Site Plan of shewen Alia School		
Project Location		Shewen Alia Village, Arghandab Kandahar Province Afghanistan		
Drawn By:		Designed By:	Checked By:	
Name	Eng.Masood	Engr. I Danish	Engr. Amir M	
Sign				
Date				

Shewin Alia Secondary School Sketch Including Google Map and Site Pictures S1:100



GPS Points:

P1= 31.739950°, 65.700106° P4= 31.739362°, 65.701345°
P2= 31.739470°, 65.700327° P5= 31.739570°, 65.701662°
P3= 31.739826°, 65.701017° P6= 31.740480°, 65.700873°

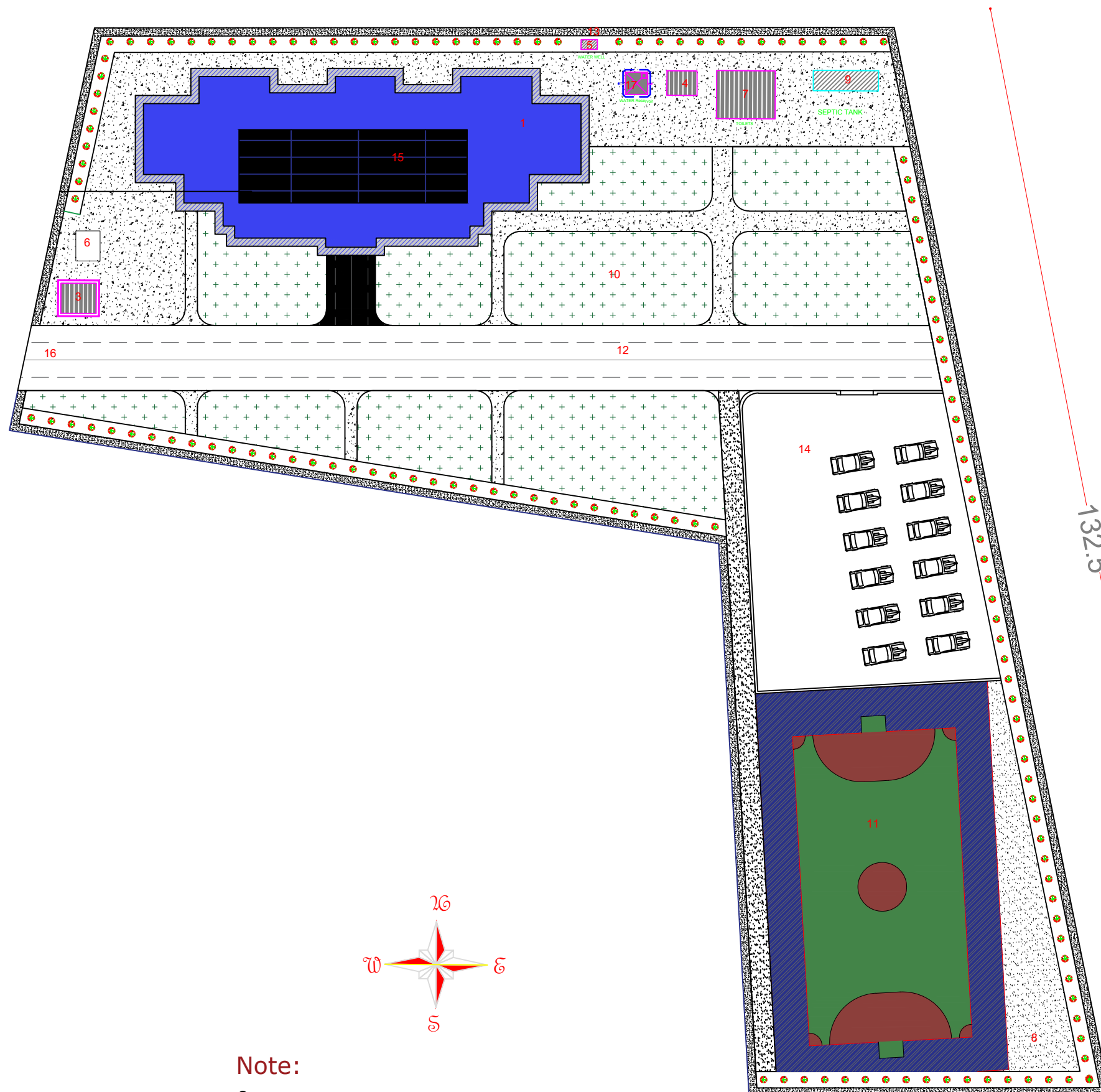
Note:
• All dimension are in (m)
Scale :1:1000



**KANDAHAR SCHOOL
CONSTRUCTION PROJECT**

Project code		Kandahar - 000 - 000		
Project		shewin Alia Secondary School		
Drawing Title		shewin Alia High School		
Project Location		Arghandab District, Kandahar, Afghanistan		
Drawn By:		Designed By:	Checked By:	
Name	Eng.Masood	Engr. I Danish	Engr. Amir M	
Sign				
Date				

Shewin Alia Secondary School Site Plan S1:100



- 1 - Construction of school main Building
- 2 - Construction of boundary wall
- 3 - Construction of Guard Room
- 4 - Construction of Generator room
- 5 - Drilling of deep bore well
- 6 - Construction of Hand wash
- 7 - Construction of 6pcs toilets
- 8 - Construction of Garbage collection point
- 9 - Construction of Septic tank
- 10- Construction of green area
- 11- Construction of football ground
- 12- Construction of caraway
- 13-Construction of walkway
- 14-construction of Parking
- 15-solar panels
- 16-installation of main and small steel gate
- 17-construction of Elevated Tank

Note:

- All dimension are in (m)



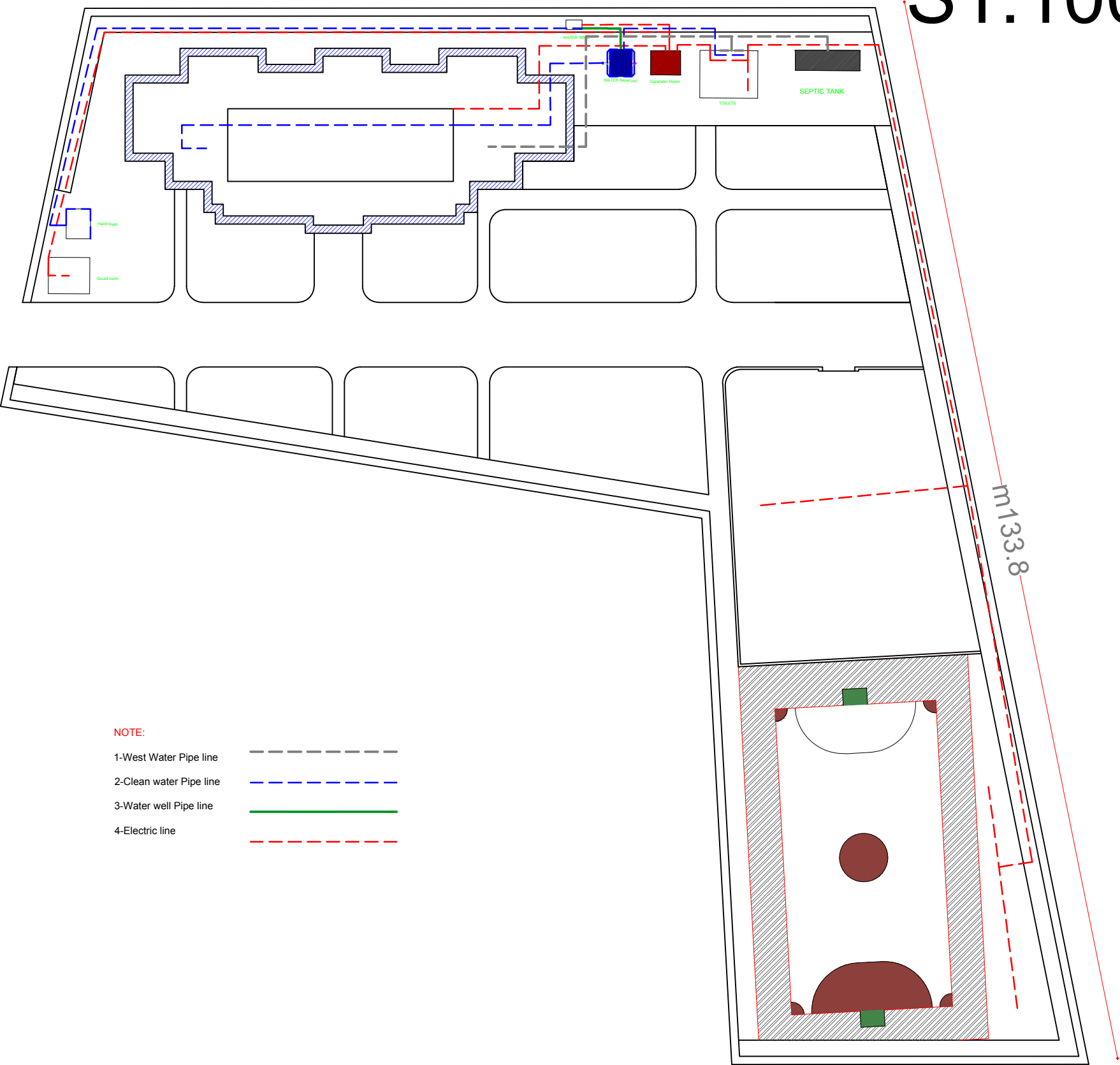
UNHCR | Afghanistan
The UN Refugee Agency


**KANDAHAR SCHOOL
CONSTRUCTION PROJECT**

Project code	KDR - 000 - 000		
Project	Site Plan of Shewin Alia Secondary School		
Drawing Title	Site Plan of Shewin Alia Secondary School		
Project Location	Shewin Olia Village, Arghamdab, Kandahar Province Afghanistan		
Drawn By:	Designed By:	Checked By:	
Name Eng.Masood	Engr. I Danish	Engr. Amir M	
Sign			
Date			

Shewin Alia School Site Electric & water Plan

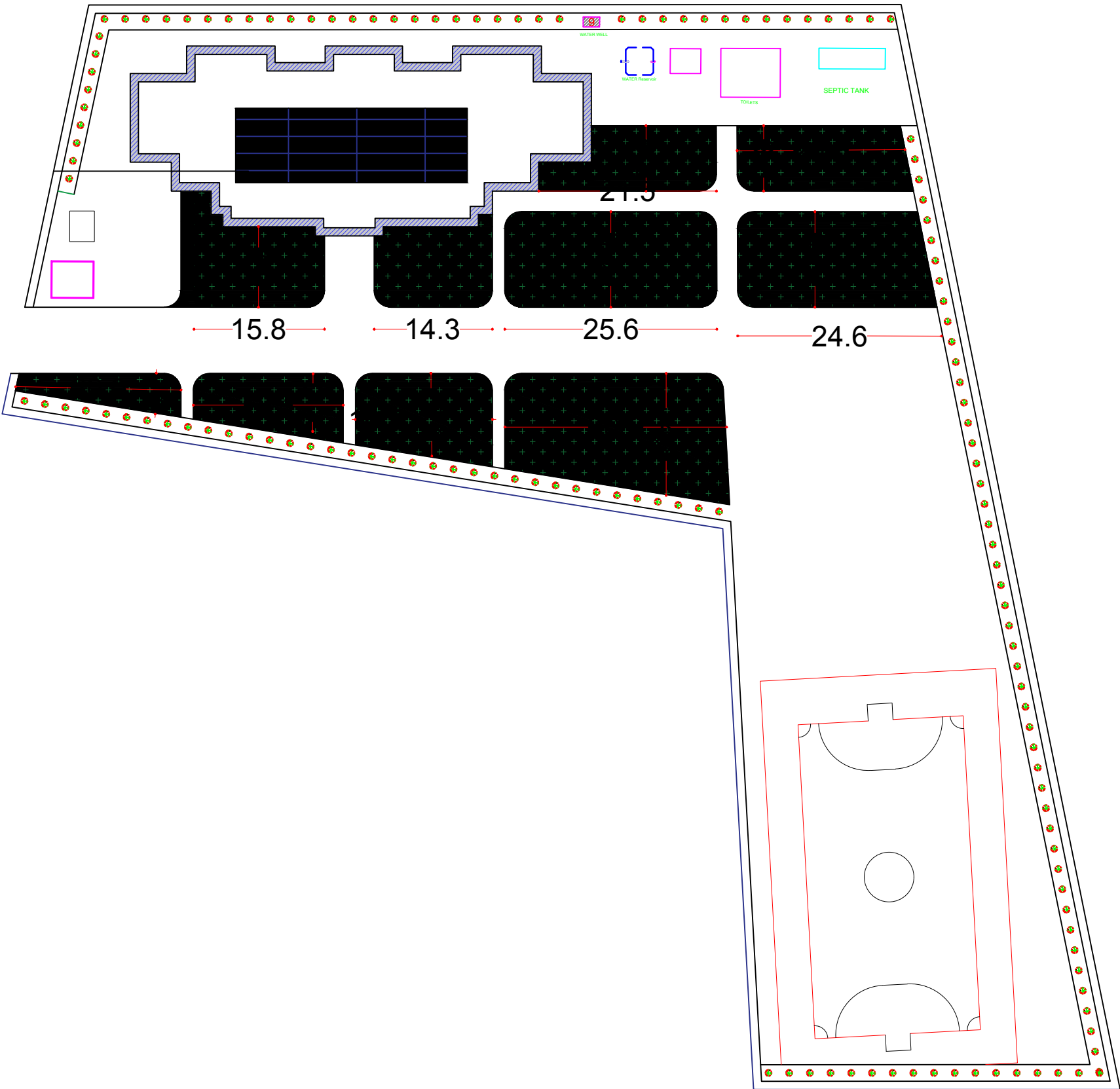
S1:100



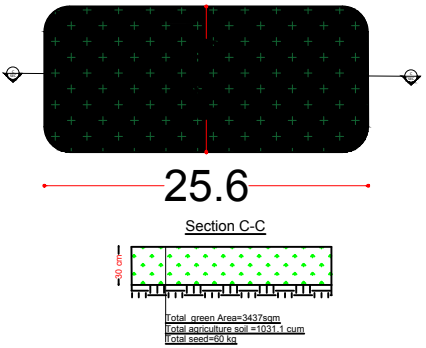
<div><div> UNHCR The UN Refugee Agency</div><div>Afghanistan</div><div>KANDAHAR SCHOOL CONSTRUCTION PROJECT</div></div>				
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Project		Site Plan of Shwein Alia Secondary School		
Drawing Title		Site Plan of Shwein Alia Secondary School		
Project Location		Shewin Alia Village, Arghandab, Kandahar Province Afghanistan		
Drawn By:		Designed By:	Checked By:	
Name	Eng.Masood	Engr. I Danish	Engr. Amir M	
Sign				
Date				

Shewin Alia Secondary School Green area


S1:100



Section of green area



Total Area=3437sqm
Total Excavation & filing=1031.1cum
Total agriculture soil =1031.1cum
Total Grass area=3437sqm

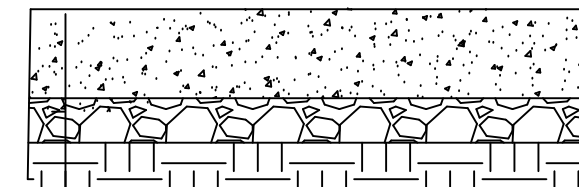
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Project code		KDR - 000 - 000		
Drawing Title		Site Plan of Shewin Alia School I		
Project Location		Shewin Alia Village, Arghandab ,Kandahar Province Afghanistan		
Drawn By:		Designed By:	Checked By:	
Name	Eng.Masood	Engr. I Danish	Engr. Amir M	
Sign				
Date				

Shewin Alia School Caraway

Footway sidewalk & parking site

Plan S1:100

Section detail of Parking



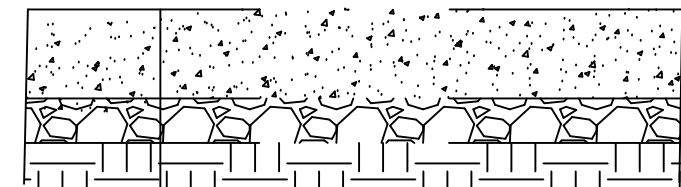
Total area=977sqm

PCC 97.7cum

Compacted Gravel =48.85cum

Compacted Soil

Section detail of footway & sidewalk.



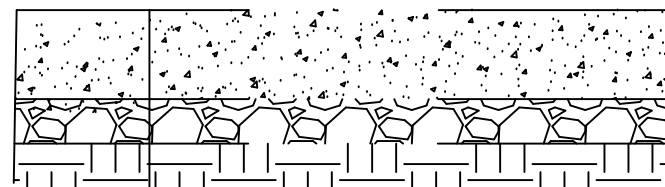
Totaly Area=1843

PCC 184.3cum

Compacted Gravel =92.15cum

Compacted Soil

Section detail of Carway



Totally area=945sqm

PCC = 94.5 cum

Compacted Gravel =47.5cum

Compacted Soil

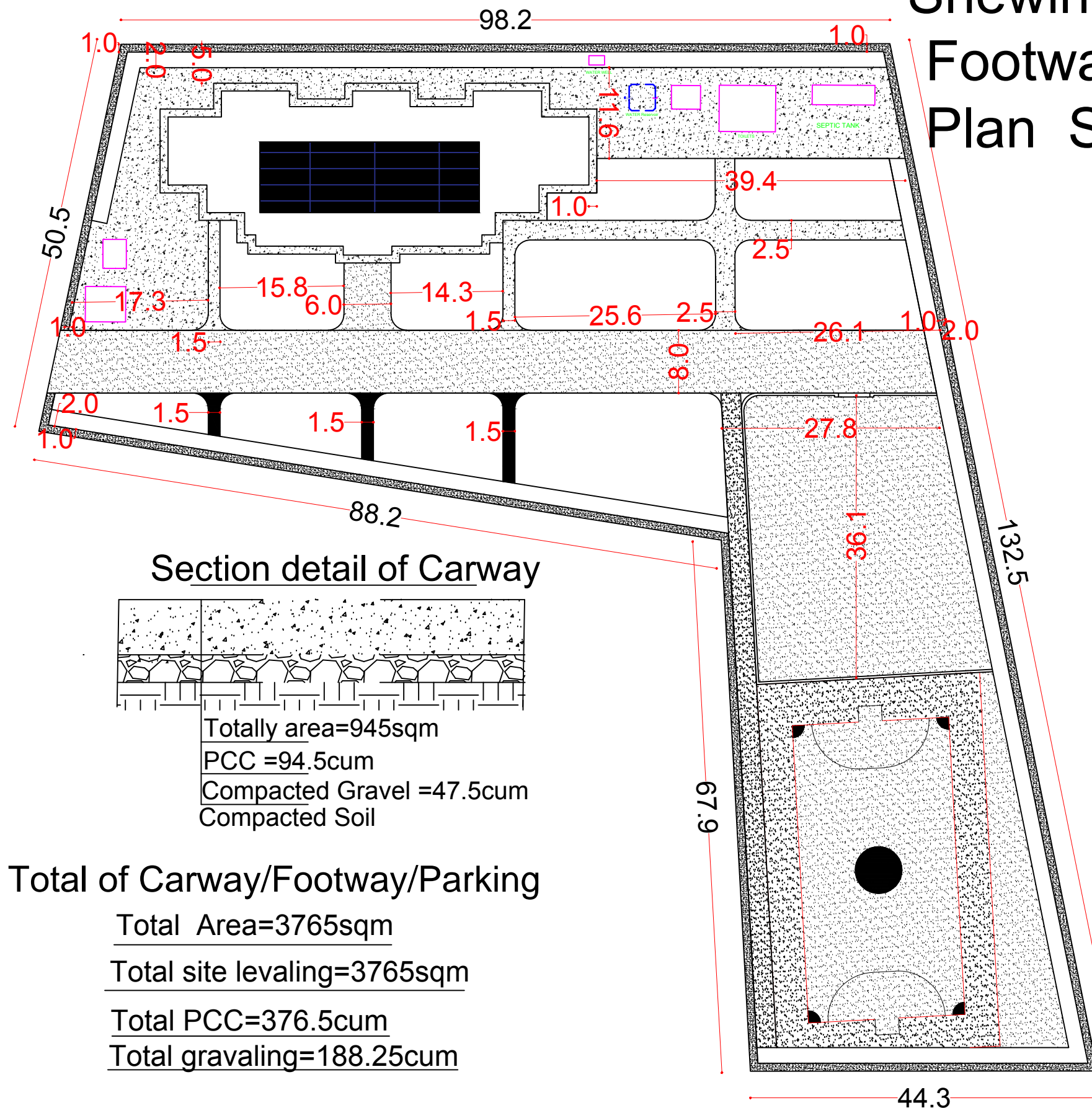
Total of Carway/Footway/Parking

Total Area=3765sqm

Total site levaling=3765sqm

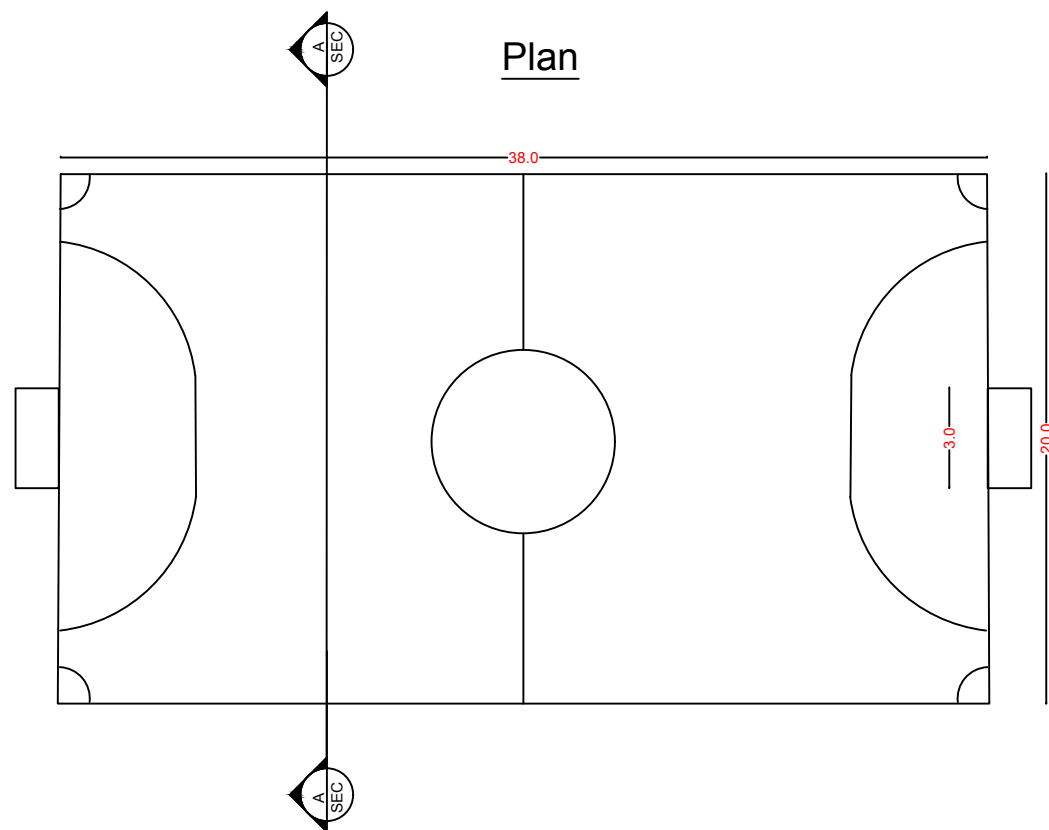
Total PCC=376.5cum

Total gravaling=188.25cum

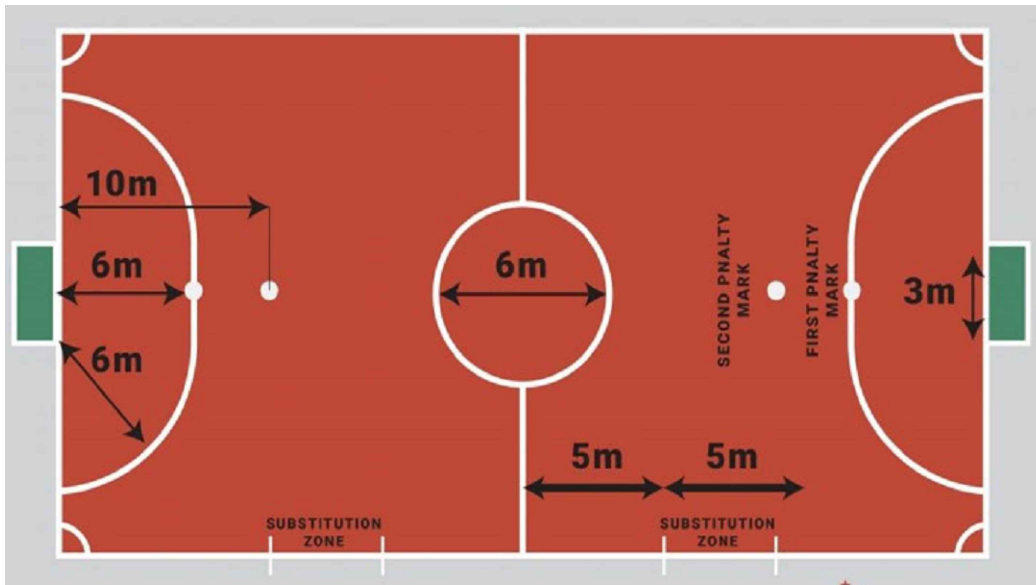


Shewin Alia Secondary School

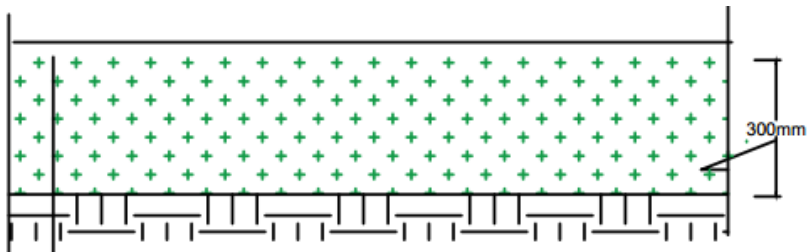
Football Plan and Section S1:100



Image




SECTION (A-A)

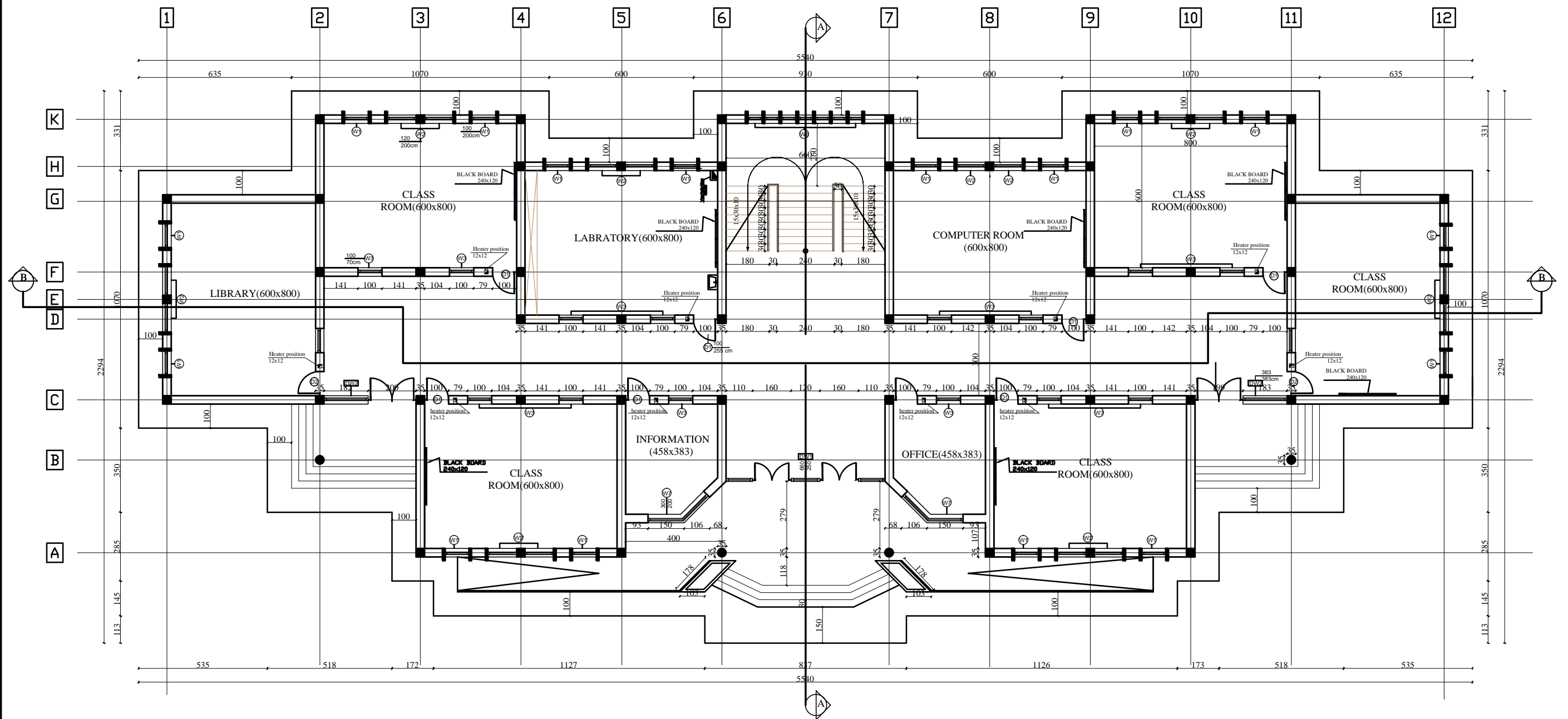


Planted Turf Seed/Grass
Agriculture Soil Thickness = 300mm
Excavation Thickness = 300mm
Compacted Soil

Total Area = 1332 Sq. m
Total Excavation = 400 Cu. m
Total Agriculture soil = 400 Cu.m
Total seed = 1332 Kg/Sq. m

Note:
• All dimension are in (m)
Scale 1:400

 UNHCR Afghanistan KANDAHAR SCHOOL CONSTRUCTION PROJECT				
Project code		KDR - 000 - 000		
Project		Site Plan of School		
Drawing Title		Site Plan of School		
Project Location		Arghandab, Kandahar Province Afghanistan		
Drawn By:		Designed By:	Checked By:	
Name	Eng.Masood	Engr. I Danish	Engr. Amir M	
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Date				

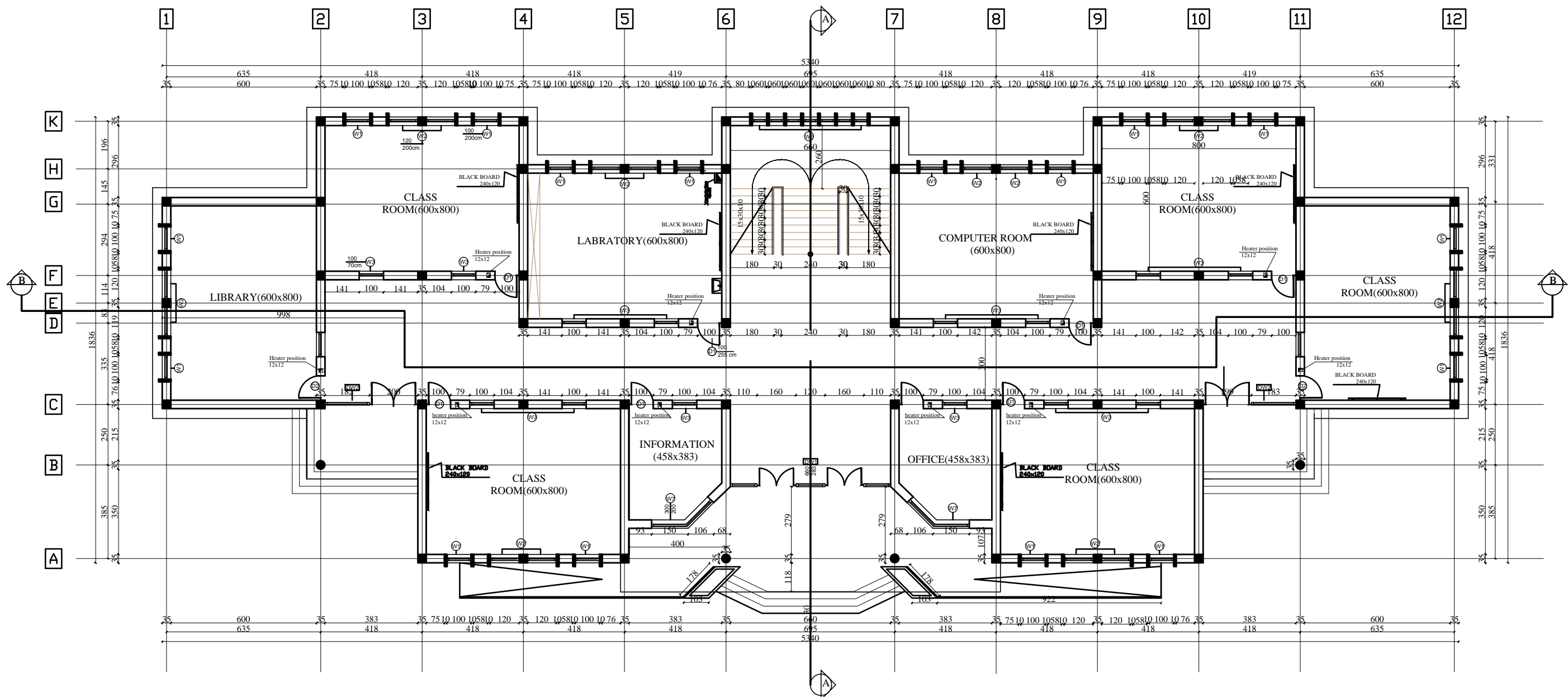


MINISTRY OF EDUCATION
DEPARTMENT OF CONTRACTION



STANDARD SCHOOL DESIGN
IN AFGHANISTAN

ARCHITECT/DESIGN	ARCH.NAKILA AFZALI	APPROVED:Doc/Moe	ENG.AB.MOMEN RAD	DRAWING TYPE	ARCHITECTURE	PROJECT NAME	12 CLASSROOM SCHOOL WITH COMPUTER AND LABRATORY CLASS RCC.IRON SHEET
CHECKED BY	ARCH.SAYEED RASUL	SCALE	AS SHOWN (A3)	SHEET No		DRAWING TITLE	PAVEMENT PLAN
TECH- APPROVED BY	ENG.AB.MATIN MAQOL	DATE	JANUARY 2013		1 23		

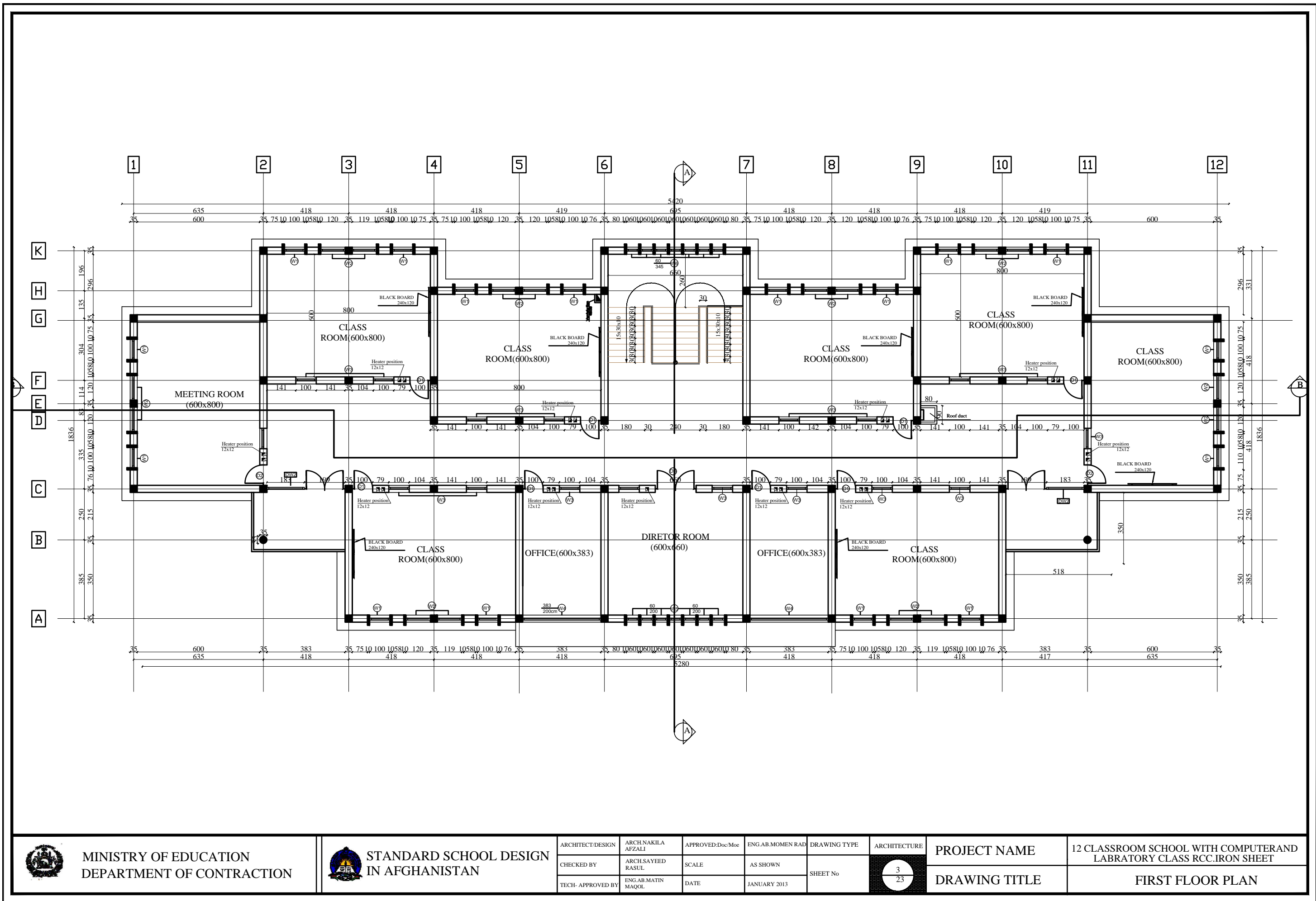


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STANDARD SCHOOL DESIGN
IN AFGHANISTAN

ARCHITECT/DESIGN	ARCH.NAKILA AFZALI	APPROVED:Doc/Moe	ENG.AB.MOMEN RAD	DRAWING TYPE	ARCHITECTURE	PROJECT NAME	12 CLASSROOM SCHOOL WITH COMPUTER AND LABORATORY CLASS RCC.IRON SHEET
CHECKED BY	ARCH.SAYEED RASUL	SCALE	AS SHOWN (A3)	SHEET No		DRAWING TITLE	GROUND FLOOR PLAN
TECH- APPROVED BY	ENG.AB.MATIN MAQOL	DATE	JANUARY 2013		2 23		



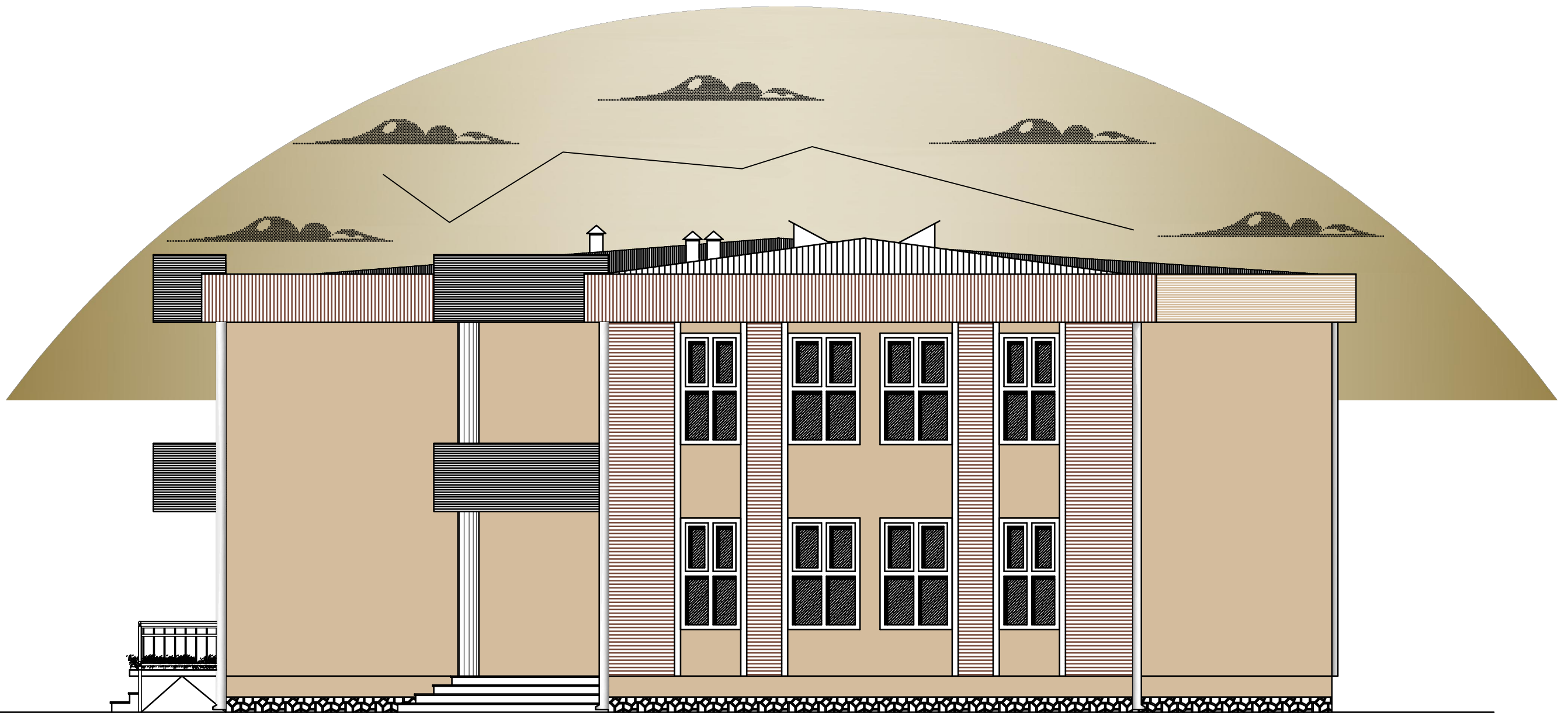


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STANDARD SCHOOL DESIGN
IN AFGHANISTAN

ARCHITECT/DESIGN	ARCH.NAKILA AFZALI	APPROVED:Doc/Moe	ENG.AB.MOMEN RAD	DRAWING TYPE	ARCHITECTURE	PROJECT NAME	12 CLASSROOM SCHOOL WITH COMPUTER AND LABRATORY CLASS RCC.IRON SHEET
CHECKED BY	ARCHLSAYEED RASUL	SCALE	AS SHOWN	SHEET No	4 23	DRAWING TITLE	FRONT ELEVATION
TECH- APPROVED BY	ENG.AB.MATIN MAQOL	DATE	JANUARY 2013				

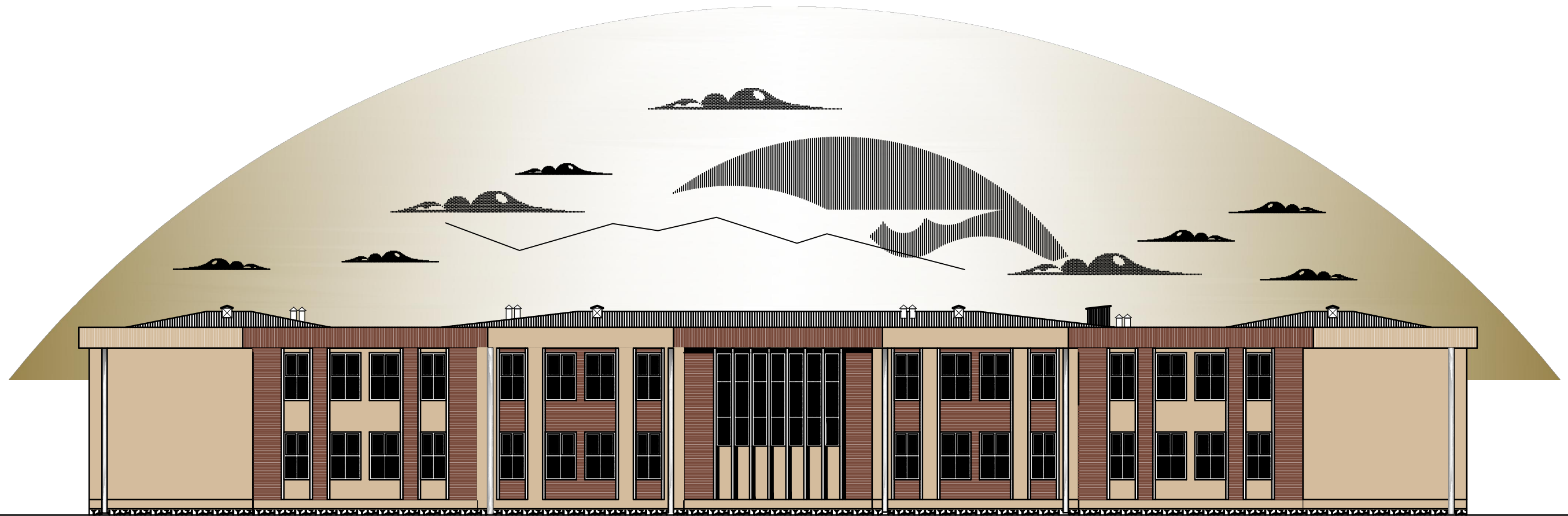


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IN AFGHANISTAN

ARCHITECT/DESIGN	ARCH.NAKILA AFZALI	APPROVED:Doc/Moe	ENG.AB.MOMEN RAD	DRAWING TYPE	ARCHITECTURE	PROJECT NAME	12 CLASSROOM SCHOOL WITH COMPUTER AND LABRATORY CLASS RCC.IRON SHEET
CHECKED BY	ARCH.SAYEED RASUL	SCALE	AS SHOWN	SHEET No	5 23	DRAWING TITLE	SIDE ELEVATION
TECH- APPROVED BY	ENG.AB.MATIN MAQOL	DATE	JANUARY 2013				

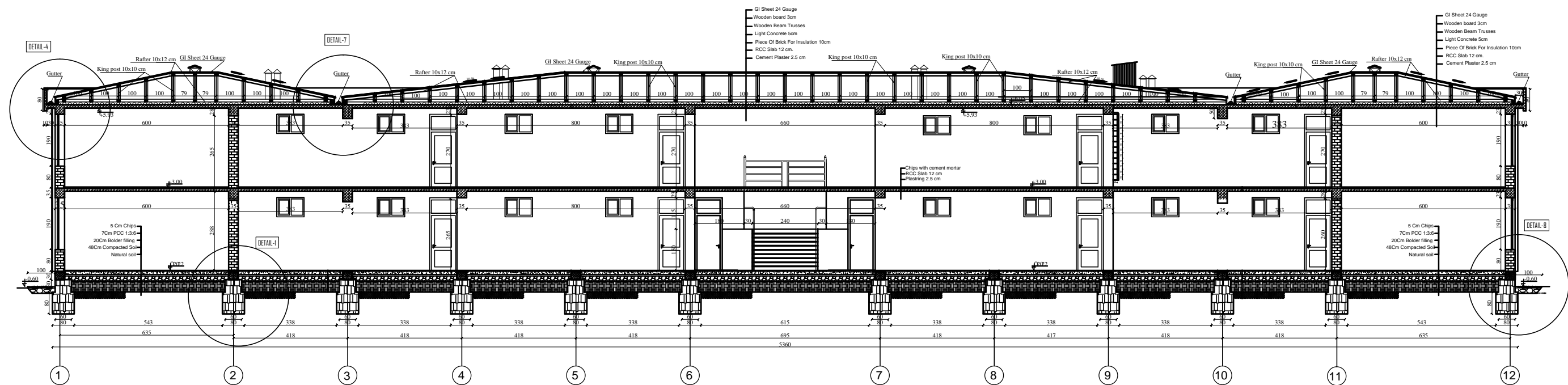


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IN AFGHANISTAN

ARCHITECT/DESIGN	ARCH.NAKILA AFZALI	APPROVED:Doc/Moe	ENG.AB.MOMEN RAD	DRAWING TYPE	ARCHITECTURE	PROJECT NAME	12 CLASSROOM SCHOOL WITH COMPUTER AND LABRATORY CLASS RCC.IRON SHEET
CHECKED BY	ARCH.SAYEED RASUL	SCALE	AS SHOWN	SHEET No	6 23	DRAWING TITLE	BACK ELEVATION
TECH- APPROVED BY	ENG.AB.MATIN MAQOL	DATE	JANUARY 2013				



SECTION B-B

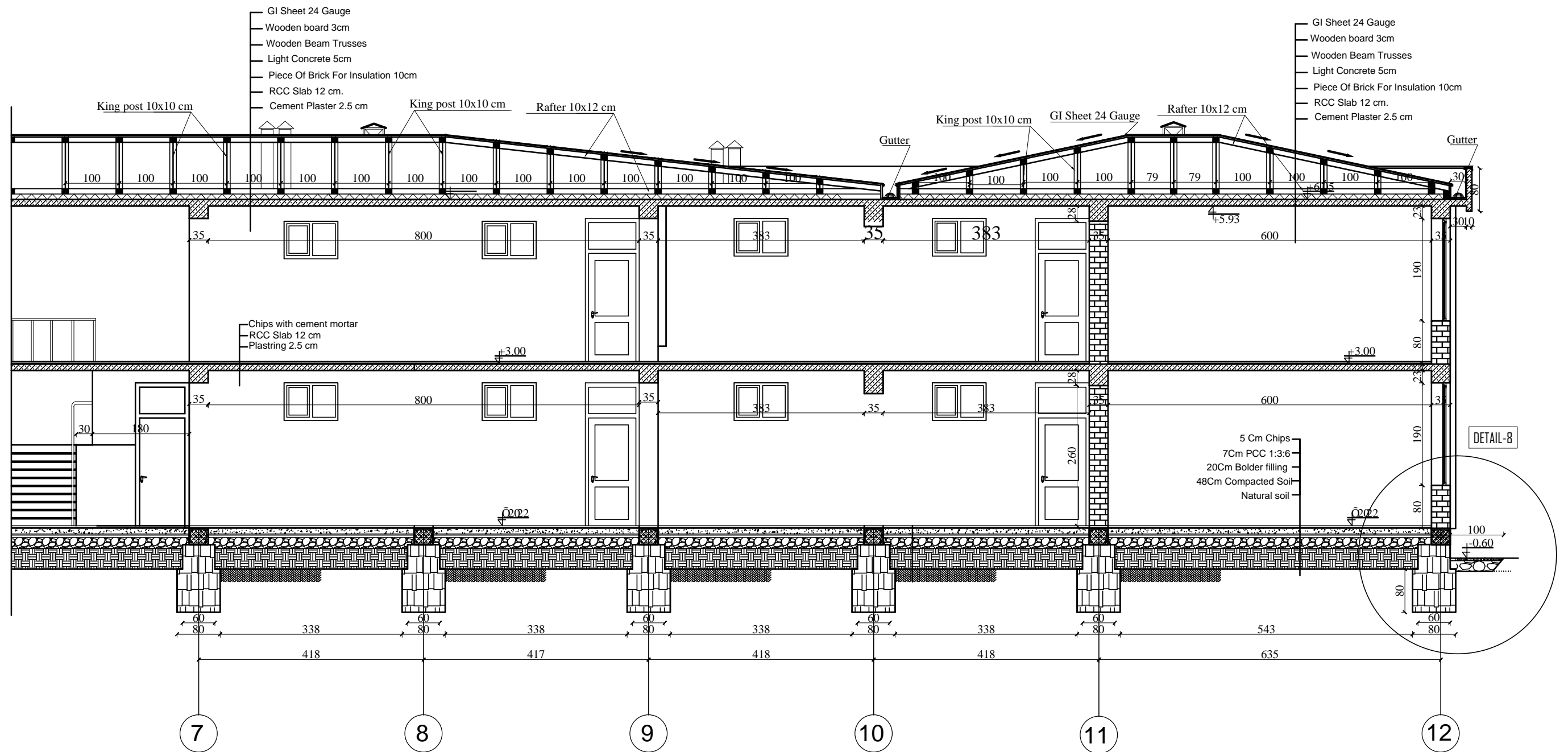


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ARCHITECT/DESIGN	ARCH.NAKILA AFZALI	APPROVED:Doc/Moe	ENG.AB.MOMEN RAD	DRAWING TYPE	ARCHITECTURE	PROJECT NAME	12 CLASSROOM SCHOOL WITH COMPUTERAND LABRATORY CLASS RCC.IRON SHEET
CHECKED BY	ARCH.SAYEED RASUL	SCALE	AS SHOWN	SHEET No	8 23	DRAWING TITLE	SECTION B-B
TECH- APPROVED BY	ENG.AB.MATIN MAQOL	DATE	JANUARY 2013				

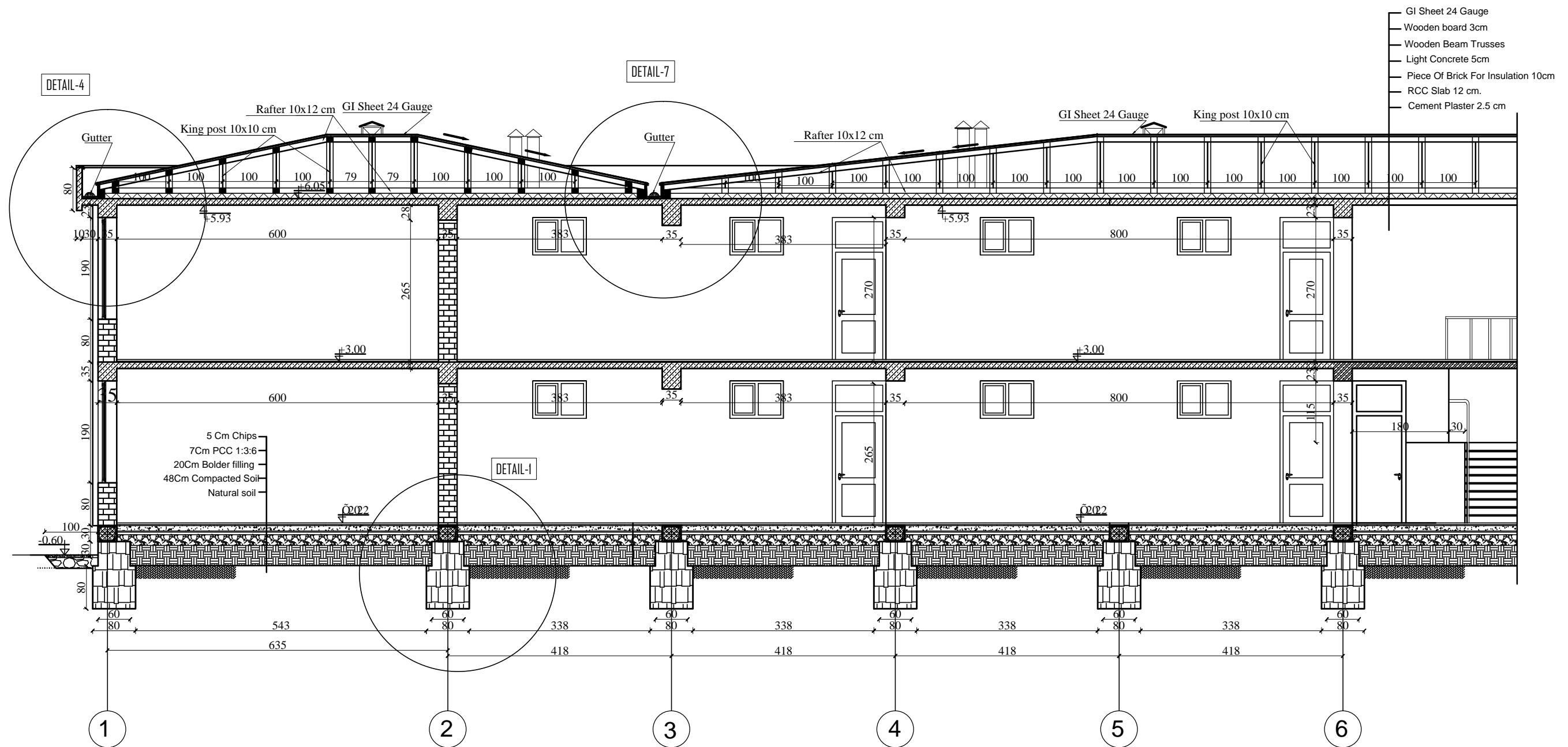


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STANDARD SCHOOL DESIGN
IN AFGHANISTAN

ARCHITECT/DESIGN	ARCH.NAKILA AFZALI	APPROVED:Doc/Moe	ENG.AB.MOMEN RAD	DRAWING TYPE	ARCHITECTURE	PROJECT NAME	12 CLASSROOM SCHOOL WITH COMPUTER AND LABRATORY CLASS RCC.IRON SHEET
CHECKED BY	ARCH.SAYEED RASUL	SCALE	AS SHOWN	SHEET No	9 23	DRAWING TITLE	PART OF SECTION B-B
TECH- APPROVED BY	ENG.AB.MATIN MAQOL	DATE	JANUARY 2013				



SECTION B-B

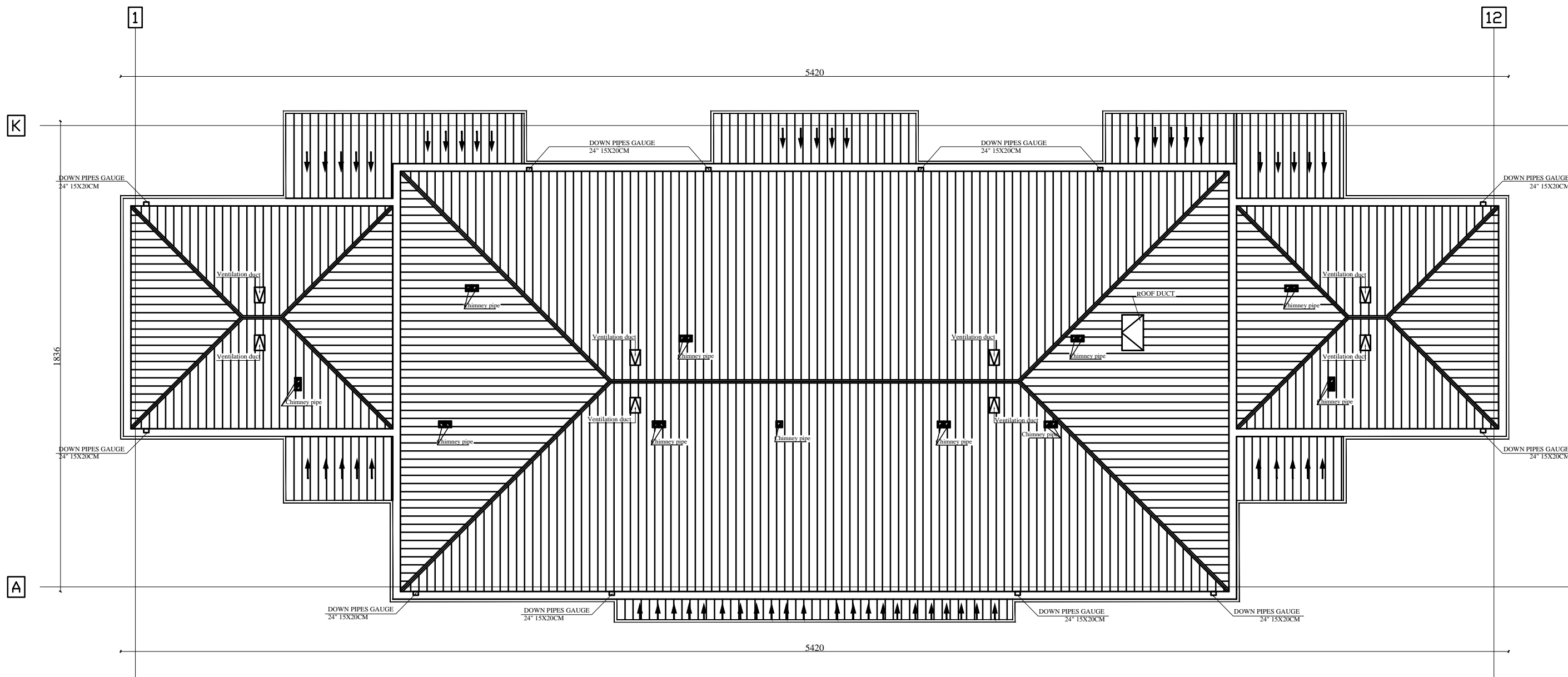


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STANDARD SCHOOL DESIGN
IN AFGHANISTAN

ARCHITECT/DESIGN	ARCH.NAKILA AFZALI	APPROVED:Doc/Moe	ENG.AB.MOMEN RAD	DRAWING TYPE	ARCHITECTURE	PROJECT NAME	12 CLASSROOM SCHOOL WITH COMPUTER AND LABRATORY CLASS RCC.IRON SHEET
CHECKED BY	ARCH.SAYEED RASUL	SCALE	AS SHOWN	SHEET No	10 23	DRAWING TITLE	SECTION B-B DETAIL
TECH- APPROVED BY	ENG.AB.MATIN MAQOL	DATE	JANUARY 2013				



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

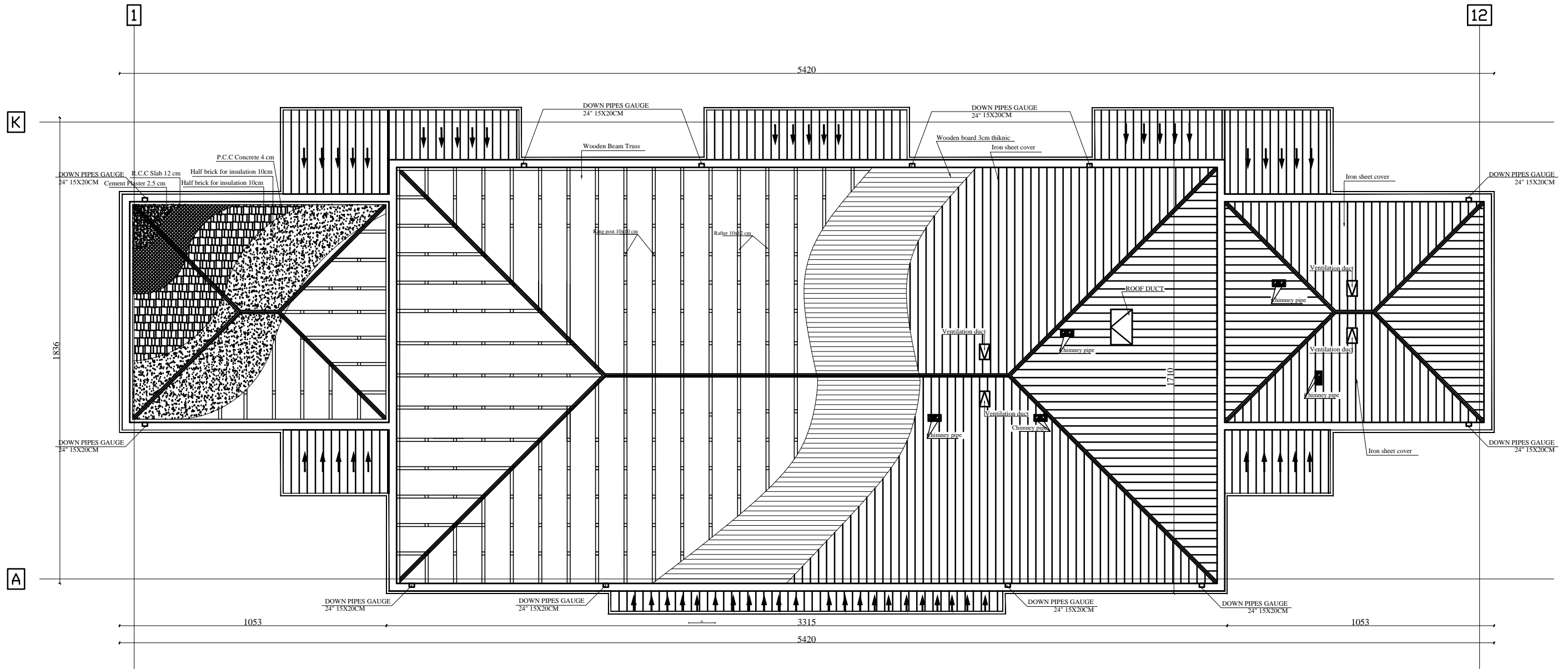


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STANDARD SCHOOL DESIGN
IN AFGHANISTAN

ARCHITECT/DESIGN	ARCH.NAKILA AFZALI	APPROVED:Doc/Moe	ENG.AB.MOMEN RAD	DRAWING No		PROJECT NAME	12 CLASSROOM SCHOOL WITH COMPUTER AND LABRATORY CLASS RCC.IRON SHEET
CHECKED BY	ARCH.SAYEED RASUL	SCALE	AS SHOWN	SHEET No	11 23	DRAWING TITLE	ROOF PLAN
TECH- APPROVED BY	ENG.AB.MATIN MAQOL	DATE	DECEMBER 2012				



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STANDARD SCHOOL DESIGN
IN AFGHANISTAN

ARCHITECT/DESIGN	ARCH.NAKILA AFZALI	APPROVED:Doc/Moe	ENG.AB.MOMEN RAD	DRAWING No	
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TECH- APPROVED BY	ENG.AB.MATIN MAQOL	DATE	DECEMBER 2012		

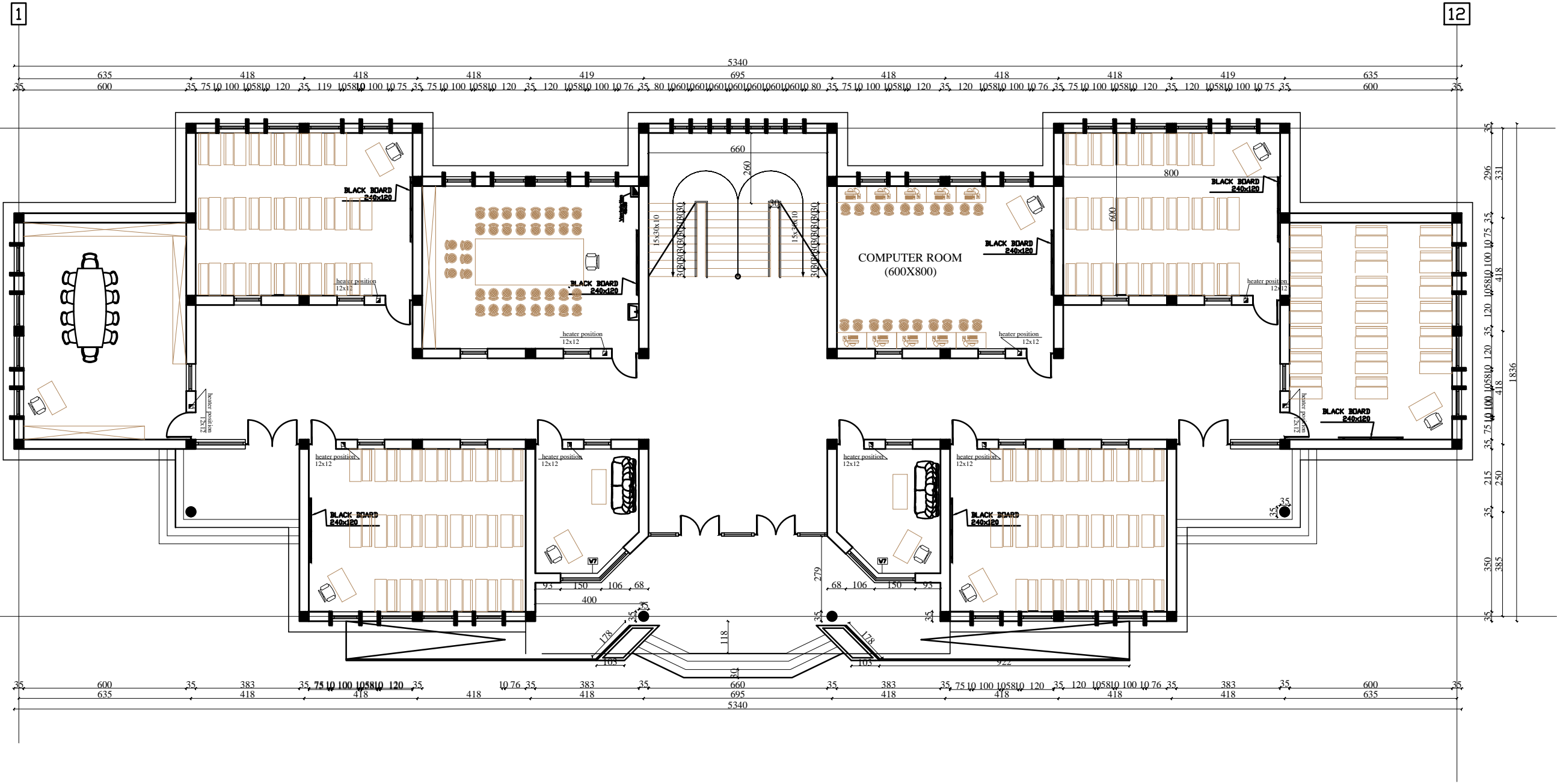
12 23

PROJECT NAME

12 CLASSROOM SCHOOL WITH COMPUTER AND
LABRATORY CLASS RCC.IRON SHEET

DRAWING TITLE

ROOF PLAN DETAIL



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STANDARD SCHOOL DESIGN
IN AFGHANISTAN

ARCHITECT/DESIGN	ARCH.NAKILA AFZALI	APPROVED:Doc/Moe	ENG.AB.MOMEN RAD	DRAWING No	
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TECH- APPROVED BY	ENG.AB.MATIN MAQOL	DATE	DECEMBER 2012		

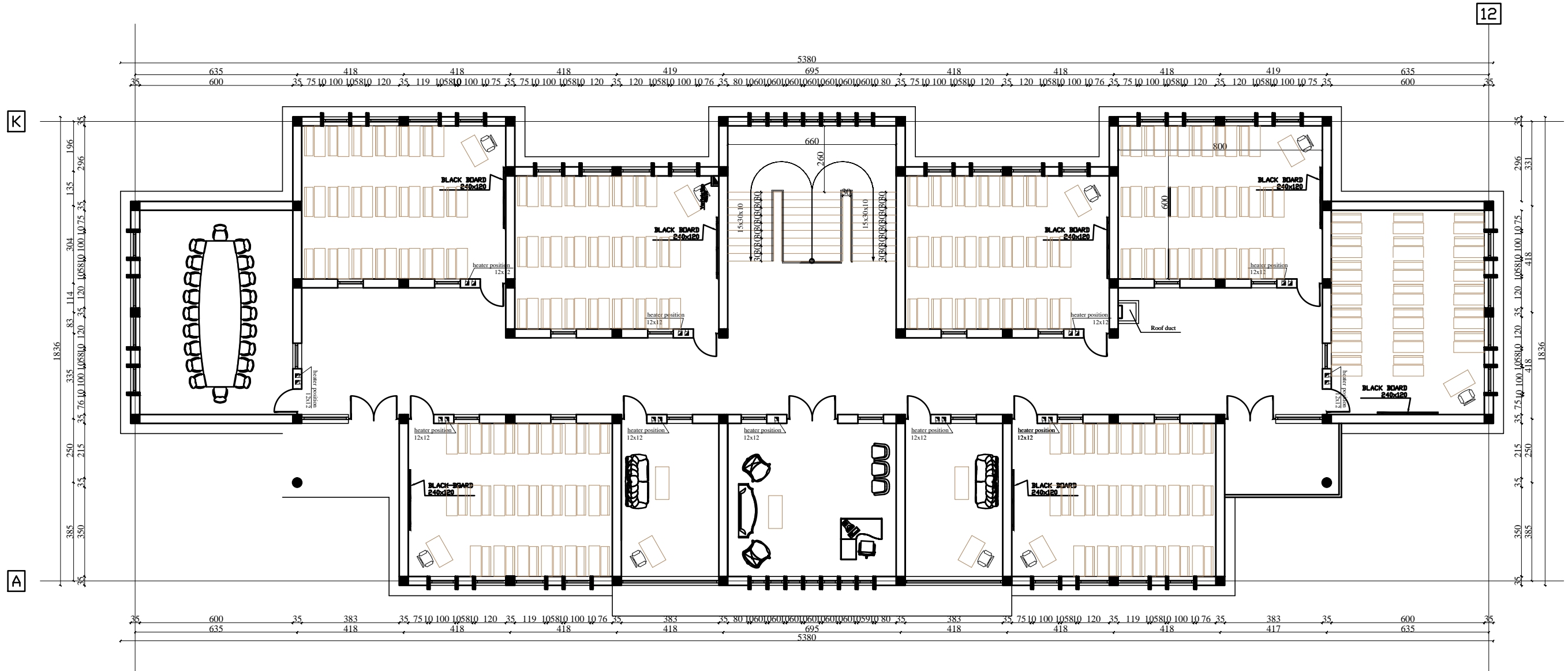
13
23

PROJECT NAME

12 CLASSROOM SCHOOL WITH COMPUTER AND
LABRATORY CLASS RCC.IRON SHEET

DRAWING TITLE

FURNATURE PLAN



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STANDARD SCHOOL DESIGN
IN AFGHANISTAN

ARCHITECT/DESIGN	ARCH.NAKILA AFZALI	APPROVED:Doc/Moe	ENG.AB.MOMEN RAD	DRAWING No	
CHECKED BY	ARCH.SAYEED RASUL	SCALE	AS SHOWN	SHEET No	
TECH- APPROVED BY	ENG.AB.MATIN MAQOL	DATE	DECEMBER 2012		

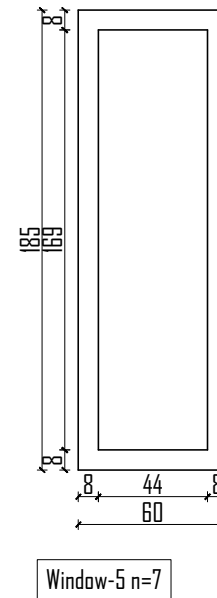
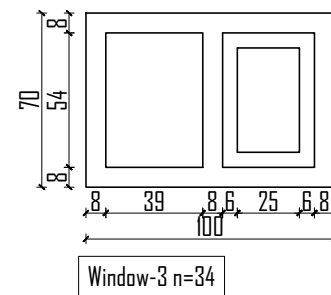
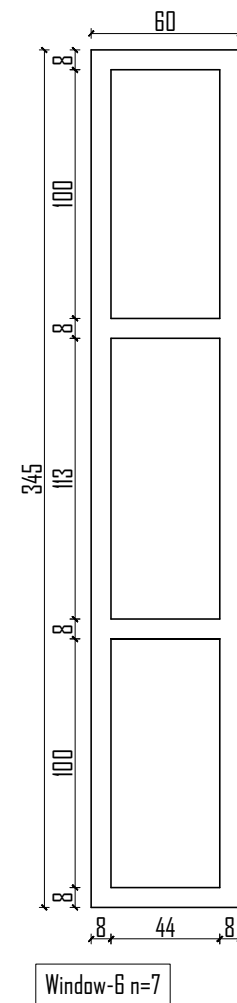
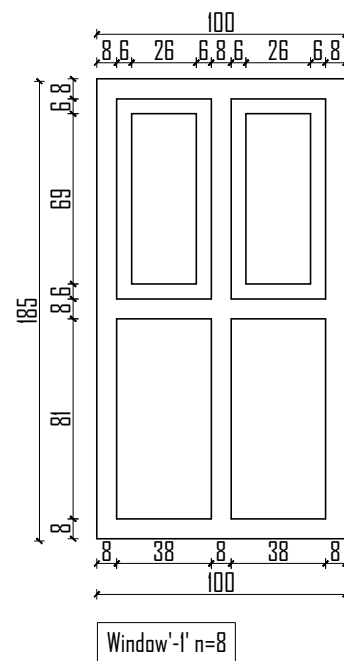
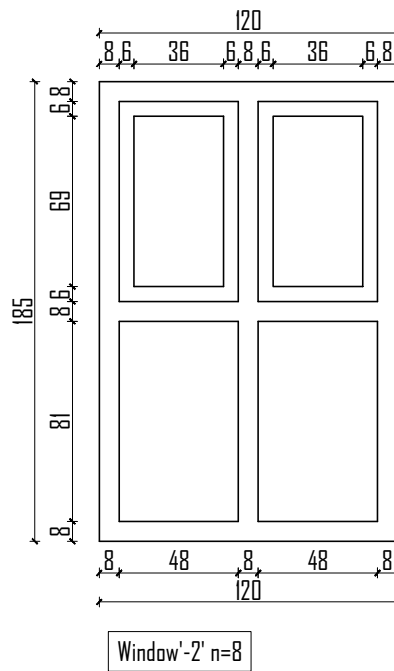
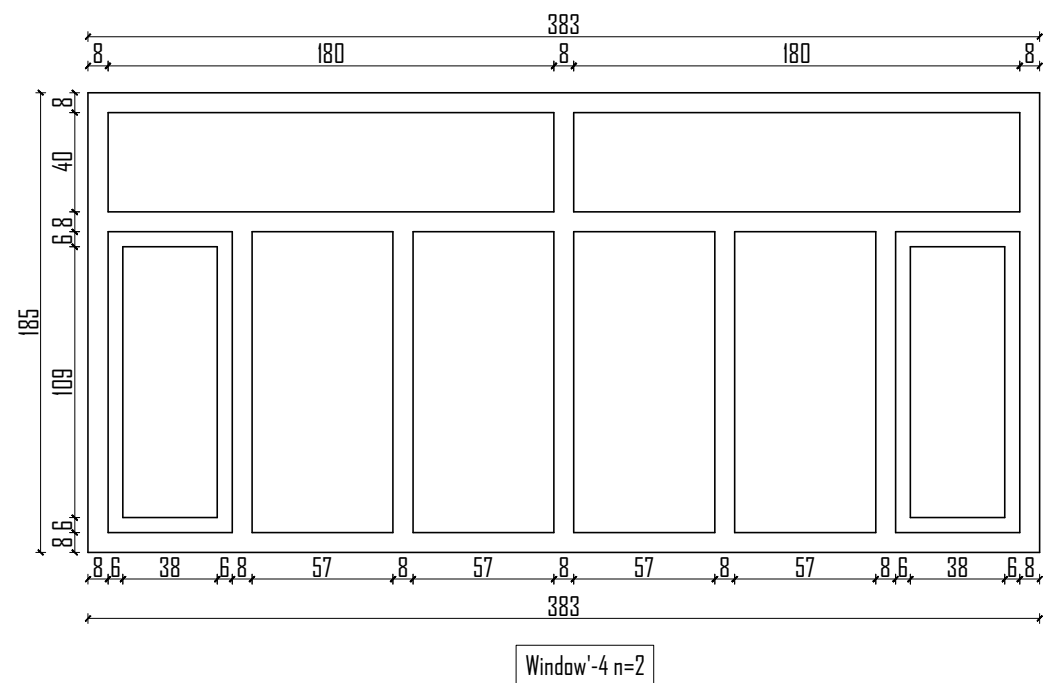
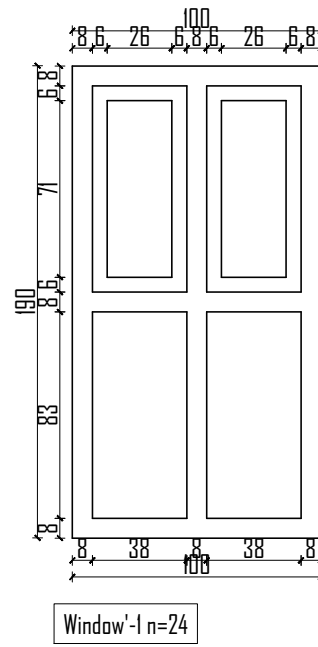
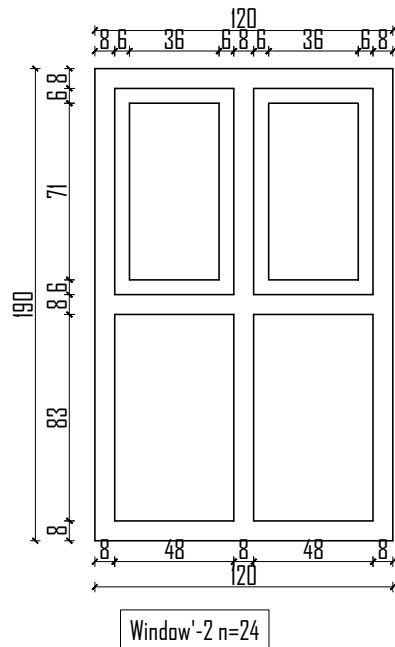
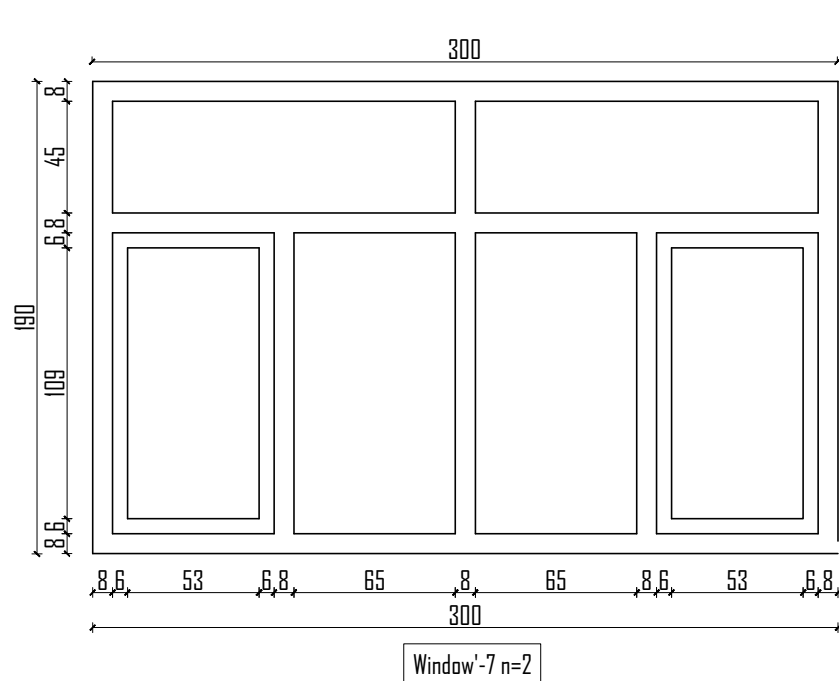
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PROJECT NAME

12 CLASSROOM SCHOOL WITH COMPUTER AND
LABRATORY CLASS RCC.IRON SHEET

DRAWING TITLE

FURNATURE PLAN FIRST FLOOR



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IN AFGHANISTAN

ARCHITECT/DESIGN	ARCH.NAKILA AFZALI	APPROVED:Doc/Moe	ENG.AB.MOMEN RAD	DRAWING No	
CHECKED BY	ARCH.SAYEED RASUL	SCALE	AS SHOWN	SHEET No	
TECH- APPROVED BY	ENG.AB.MATIN MAQOL	DATE	DECEMBER 2012		

15
23

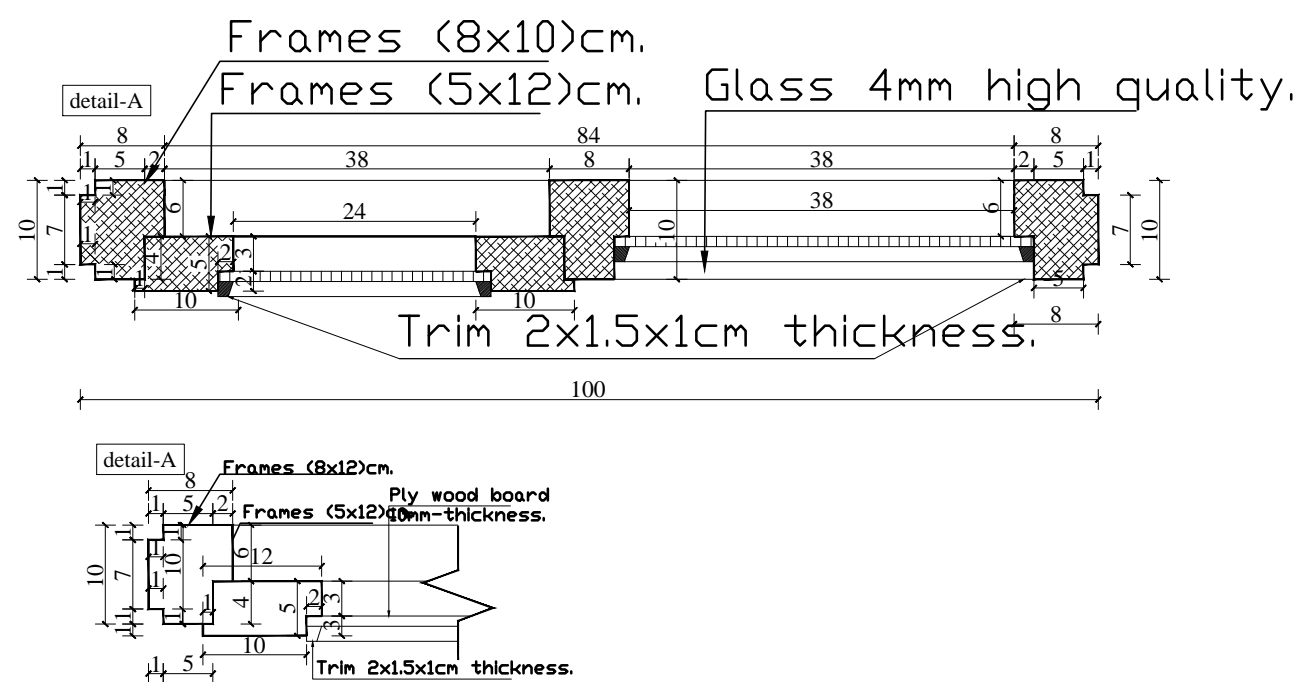
PROJECT NAME

12 CLASSROOM SCHOOL WITH COMPUTER AND
LABRATORY CLASS RCC.IRON SHEET

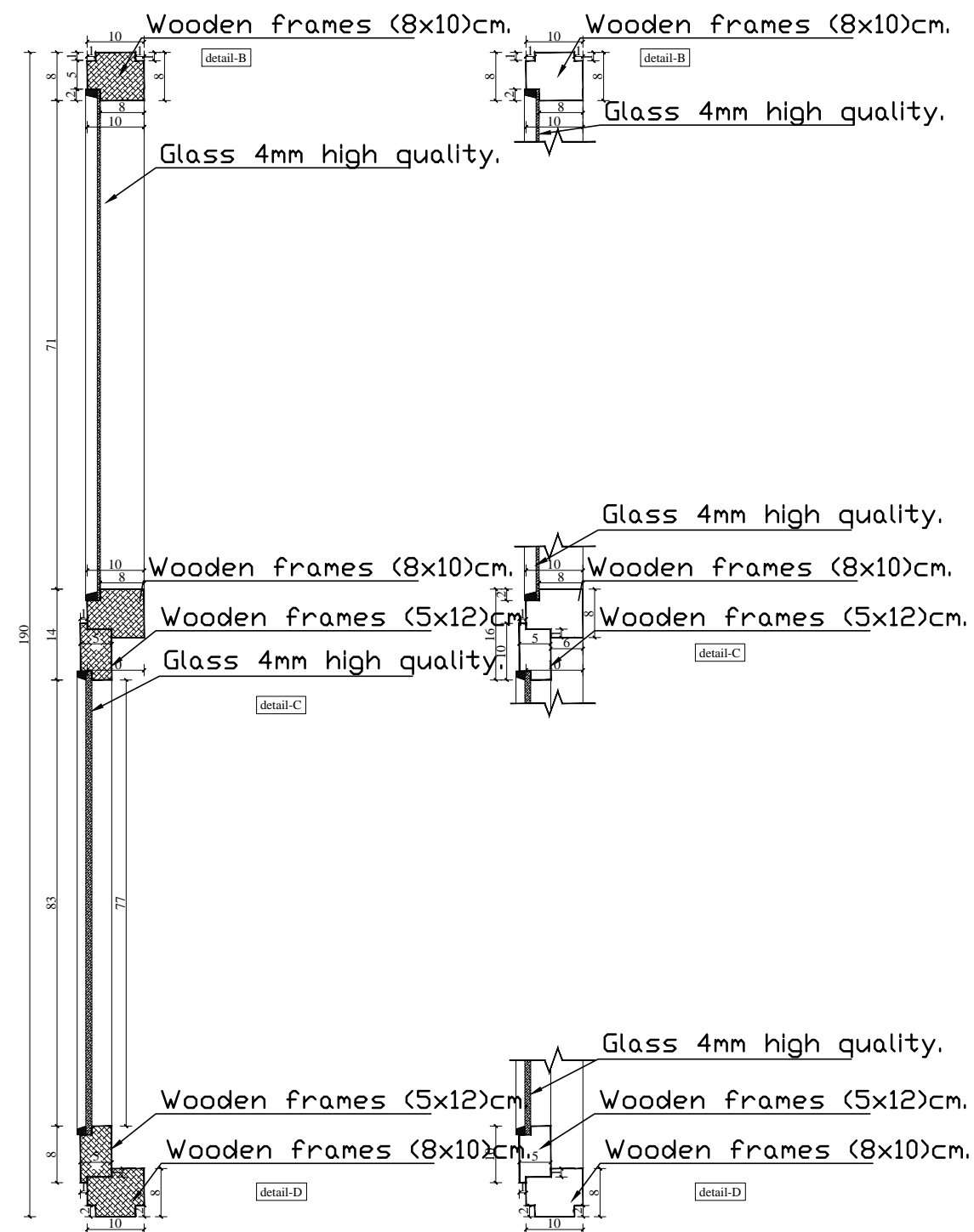
DRAWING TITLE

WINDOWS DETAIL

(Window horizontal section)




(Window Vertical section)

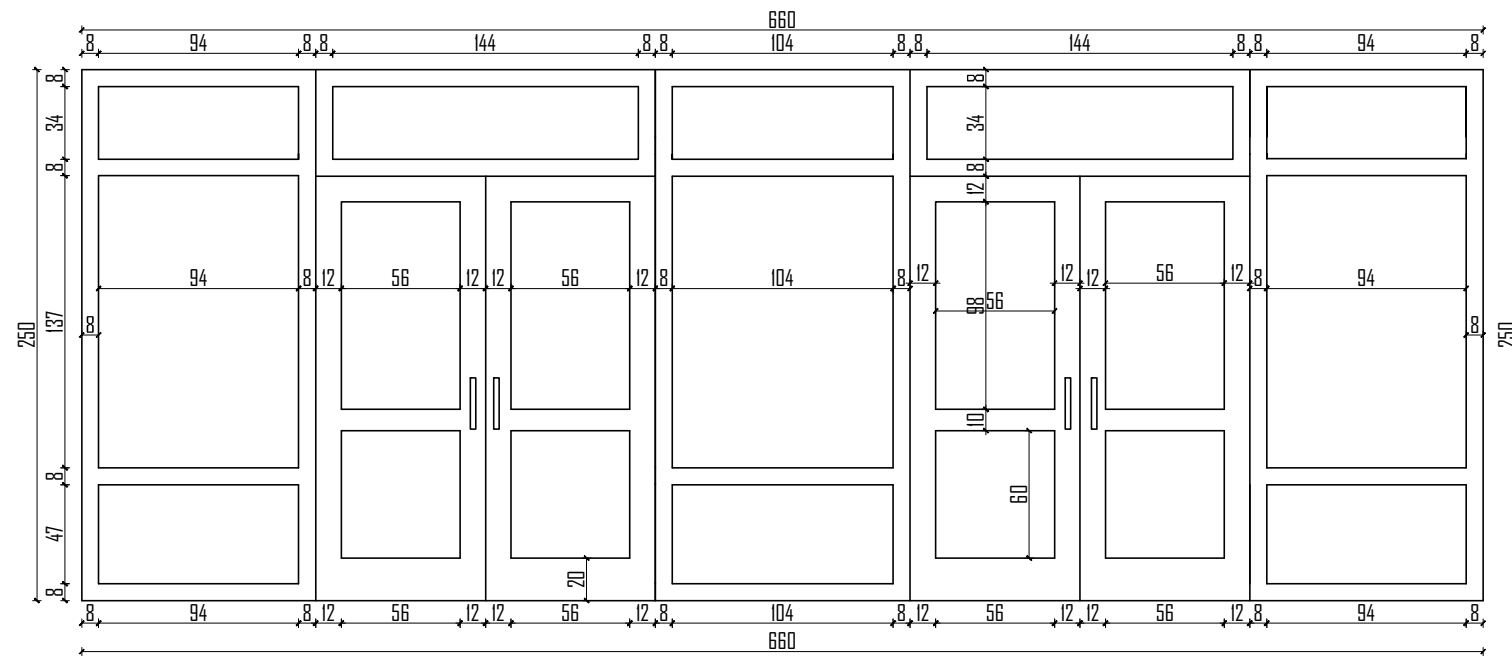


MINISTRY OF EDUCATION
DEPARTMENT OF CONTRACTION

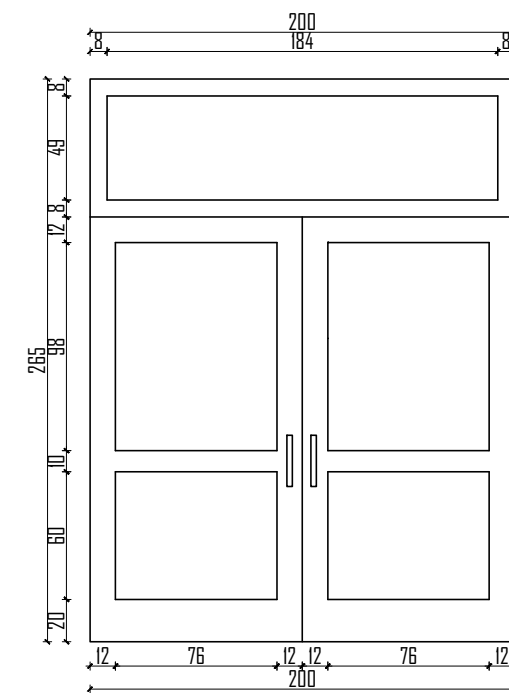


STANDARD SCHOOL DESIGN IN AFGHANISTAN

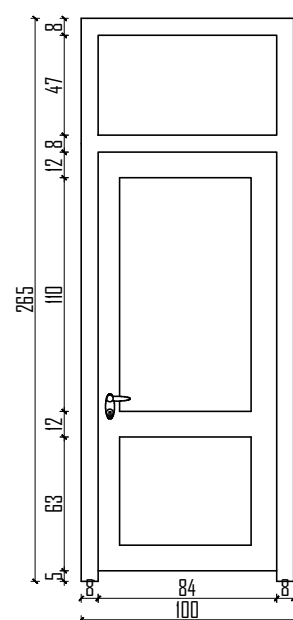
ARCHITECT/DESIGN	ARCH.NAKILA AFZALI	APPROVED:Doc/Moe	ENG.AB.MOMEN RAD	DRAWING No		PROJECT NAME	12 CLASSROOM SCHOOL WITH COMPUTER AND LABRATORY CLASS RCC.IRON SHEET
CHECKED BY	ARCH.SAYEED RASUL	SCALE	AS SHOWN	SHEET No		DRAWING TITLE	WINDOWS DETAILE
TECH- APPROVED BY	ENG.AB.MATIN MAQOL	DATE	DECEMBER 2012				



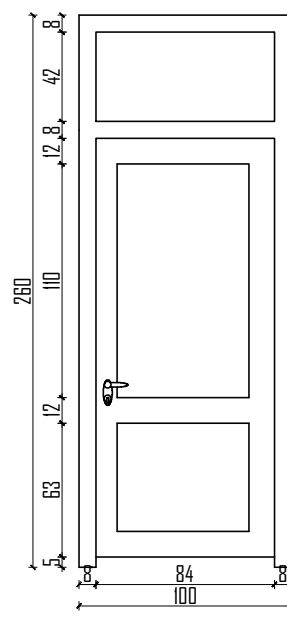
Door, Window'-1 n=1



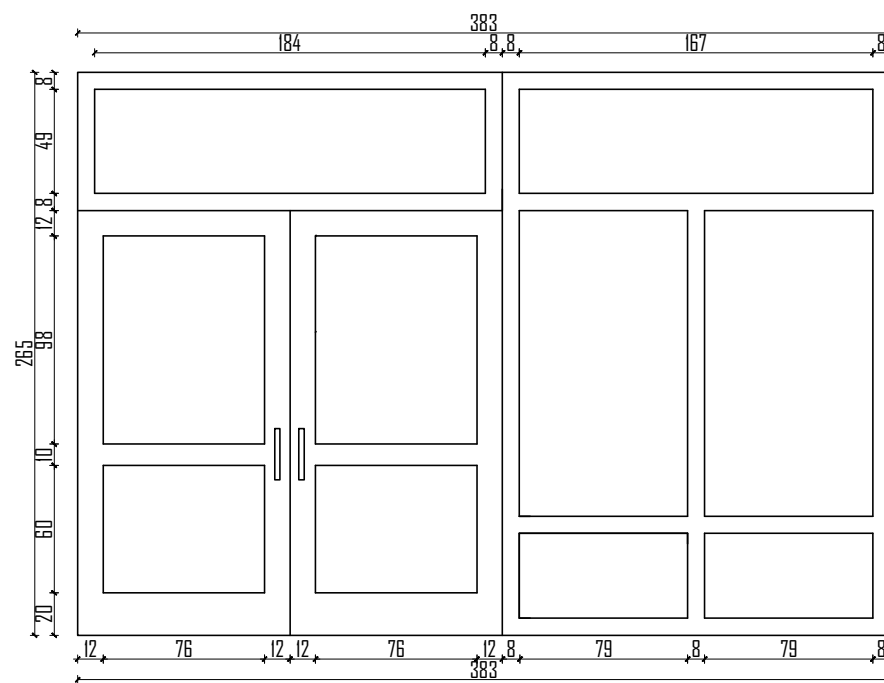
Door-3 n=1



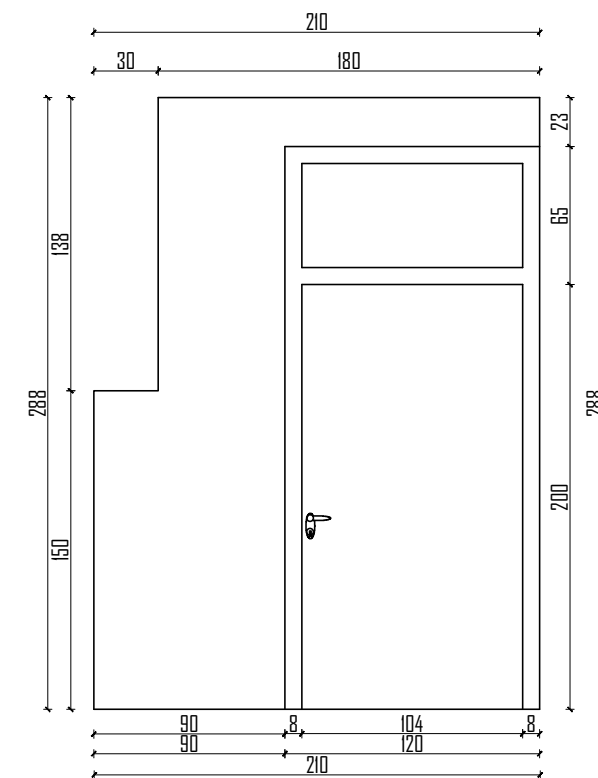
Door-1 n=16



Door-2 n=4



Door, Window'-2 n=4



partation door n=2



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STANDARD SCHOOL DESIGN
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ARCHITECT/DESIGN	ARCH.NAKILA AFZALI	APPROVED:Doc/Moe	ENG.AB.MOMEN RAD	DRAWING No
CHECKED BY	ARCH.SAYEED RASUL	SCALE	AS SHOWN	SHEET No
TECH- APPROVED BY	ENG.AB.MATIN MAQOL	DATE	DECEMBER 2012	

17
23

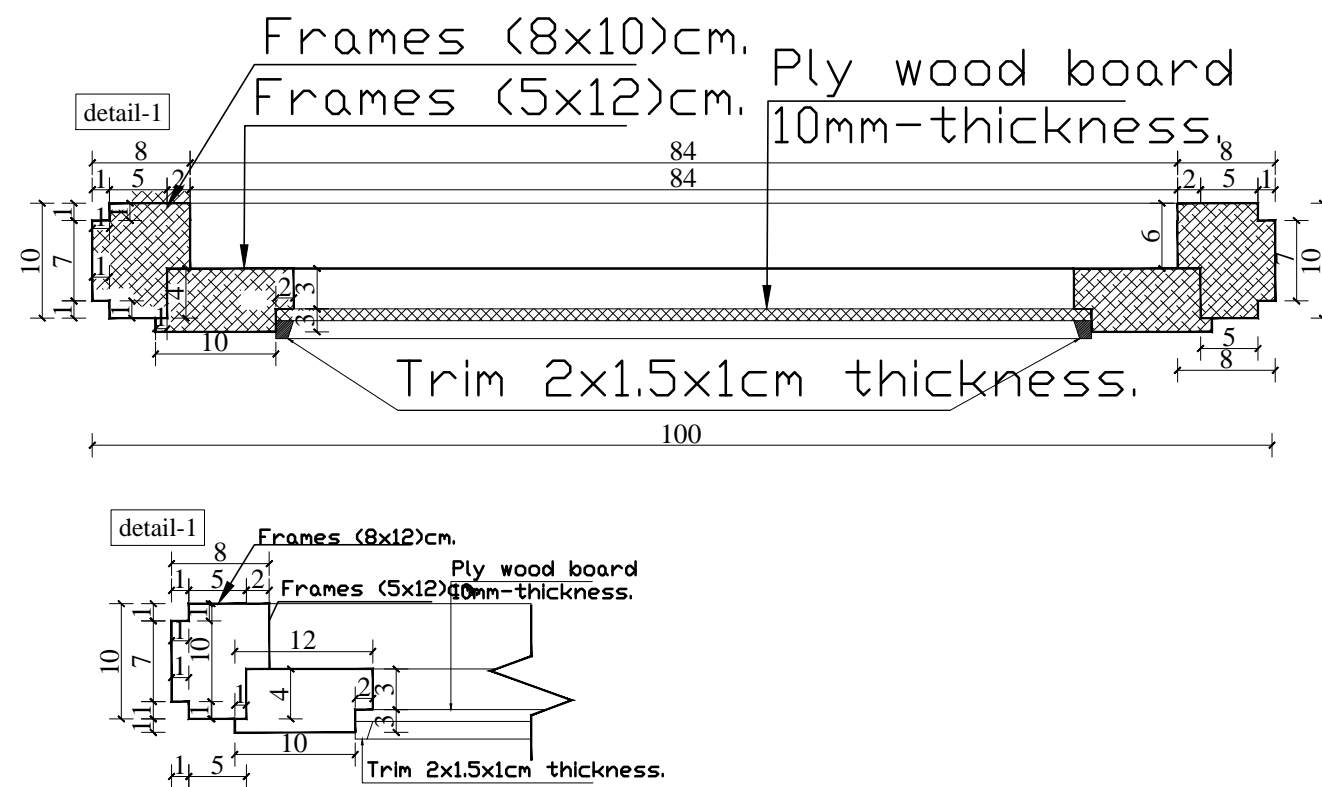
PROJECT NAME

12 CLASSROOM SCHOOL WITH COMPUTER AND
LABRATORY CLASS RCC.IRON SHEET

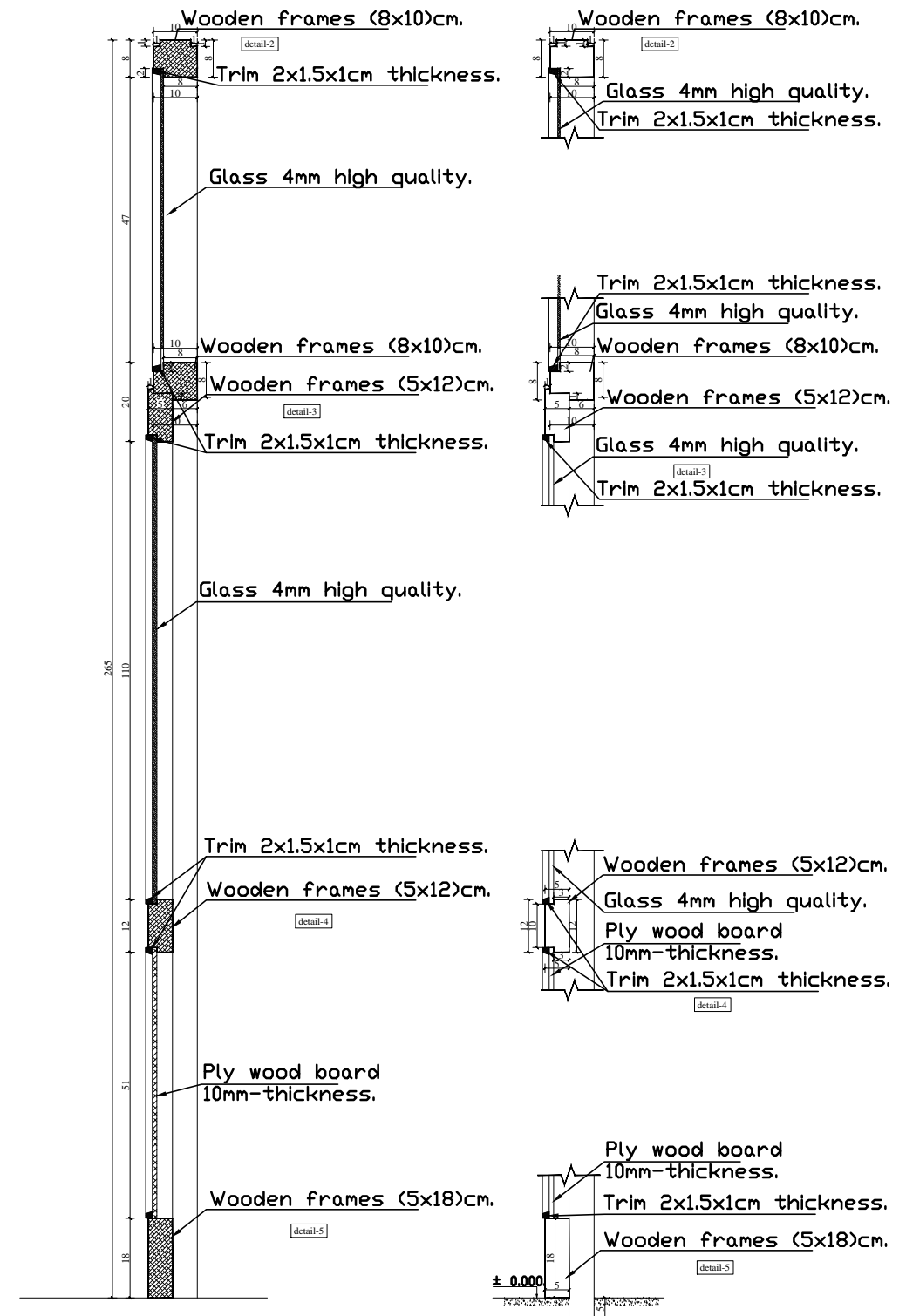
DRAWING TITLE

DOOR'S DETAILE

(Door horizontal section)



(Door Vertical section)

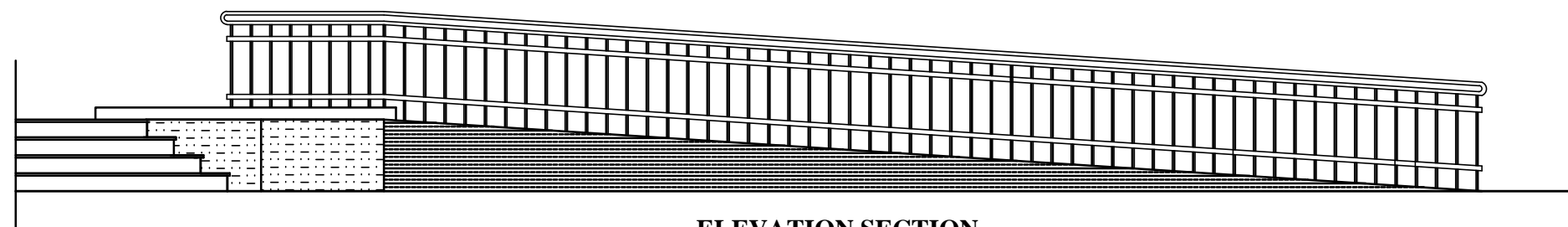


MINISTRY OF EDUCATION
DEPARTMENT OF CONTRACTION

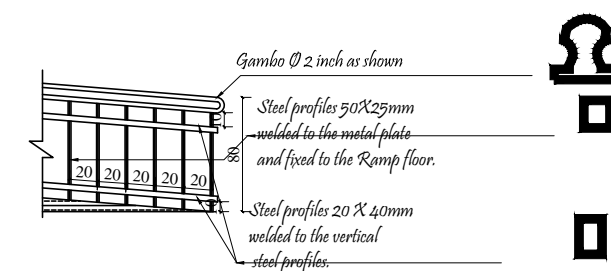
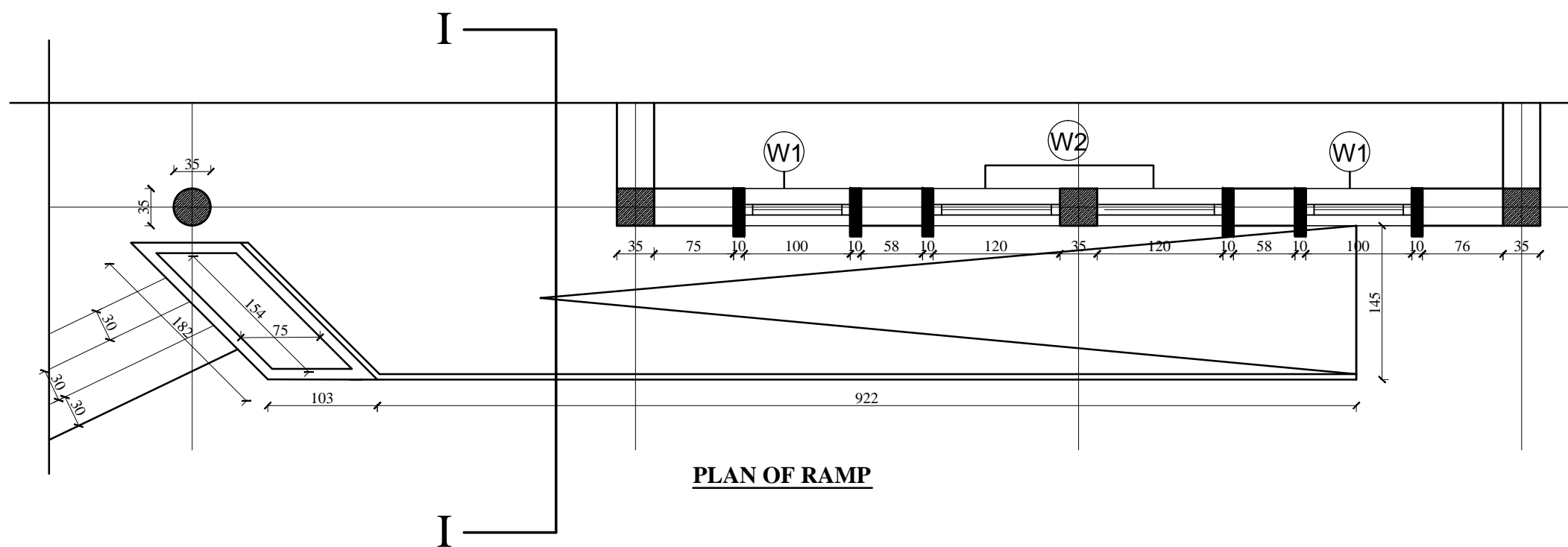
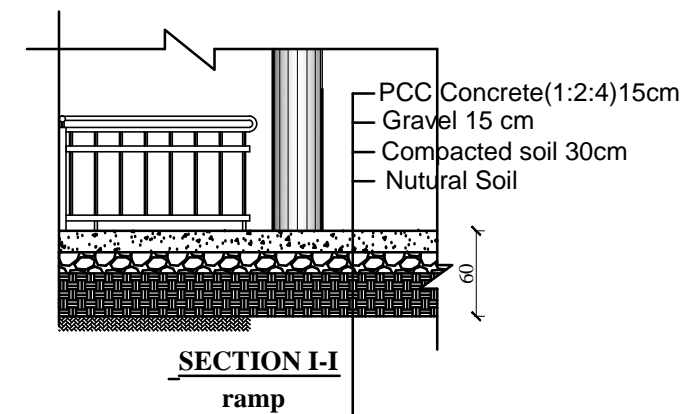


STANDARD SCHOOL DESIGN
IN AFGHANISTAN

ARCHITECT/DESIGN	ARCH.NAKILA AFZALI	APPROVED:Doc/Moe	ENG.AB.MOMEN RAD	DRAWING No		PROJECT NAME	12 CLASSROOM SCHOOL WITH COMPUTER AND LABRATORY CLASS RCC.IRON SHEET
CHECKED BY	ARCH.SAYEED RASUL	SCALE	AS SHOWN	SHEET No	18 23	DRAWING TITLE	DOOR'S DETAILE
TECH- APPROVED BY	ENG.AB.MATIN MAQOL	DATE	DECEMBER 2012				



**ELEVATION SECTION
RAMP**



MINISTRY OF EDUCATION
DEPARTMENT OF CONTRACTION



STANDARD SCHOOL DESIGN
IN AFGHANISTAN

ARCHITECT/DESIGN	ARCH.NAKILA AFZALI	APPROVED:Doc/Moe	ENG.AB.MOMEN RAD	DRAWING No
CHECKED BY	ARCH.SAYEED RASUL	SCALE	AS SHOWN	SHEET No
TECH- APPROVED BY	ENG.AB.MATIN MAQOL	DATE	DECEMBER 2012	

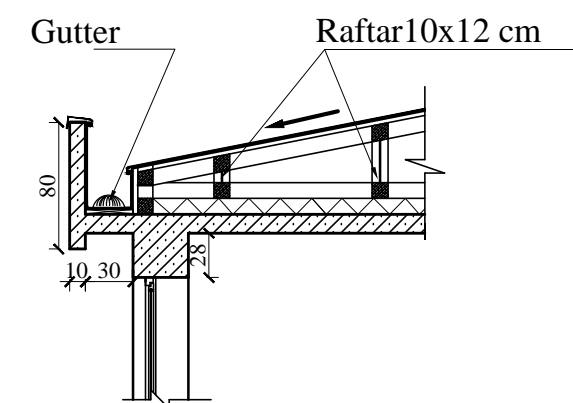
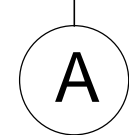
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PROJECT NAME

12 CLASSROOM SCHOOL WITH COMPUTER AND
LABRATORY CLASS RCC.IRON SHEET

DRAWING TITLE

RAMP DETAILS



MINISTRY OF EDUCATION
DEPARTMENT OF CONTRACTION



STANDARD SCHOOL DESIGN IN AFGHANISTAN

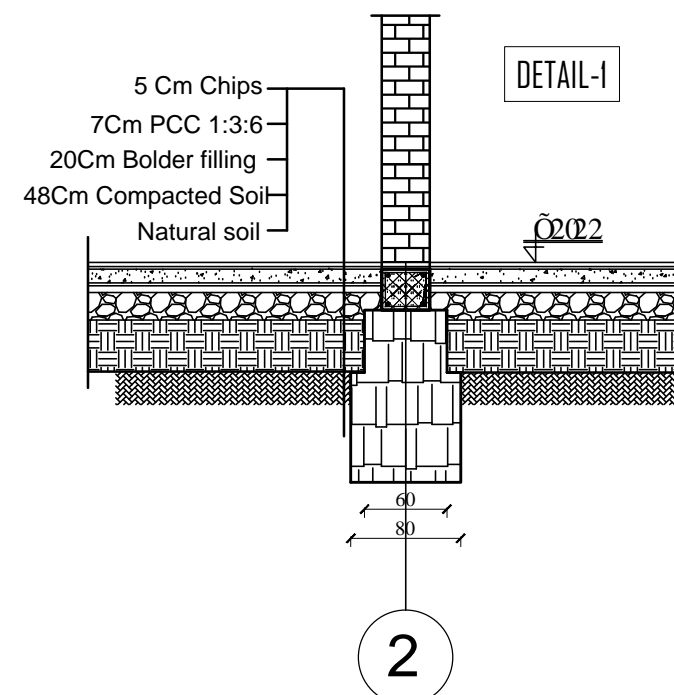
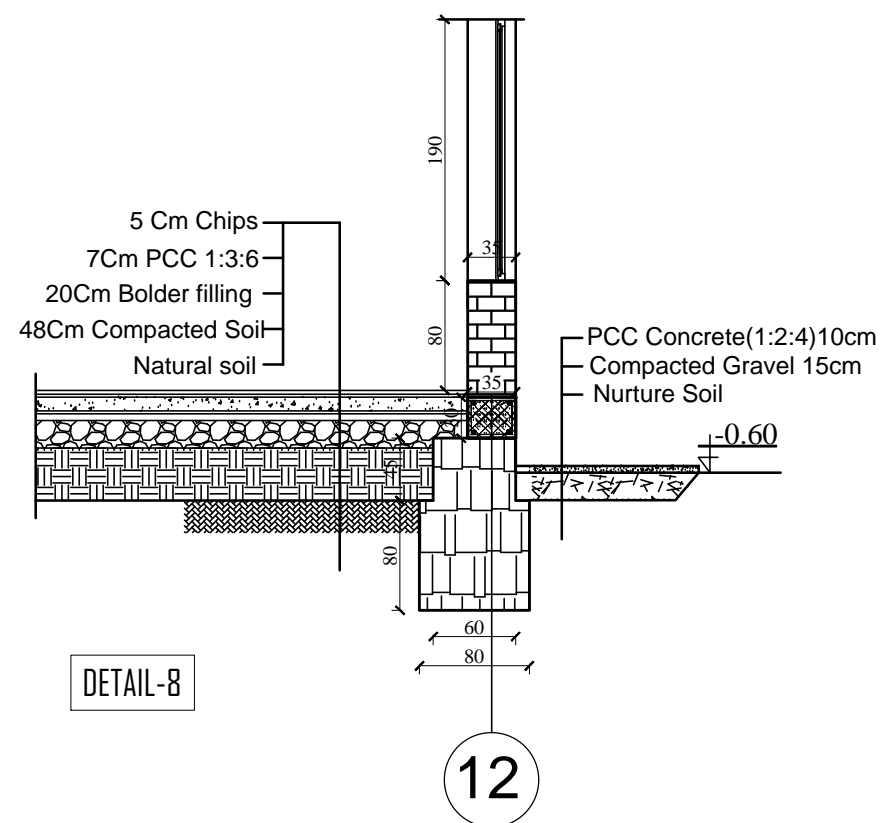
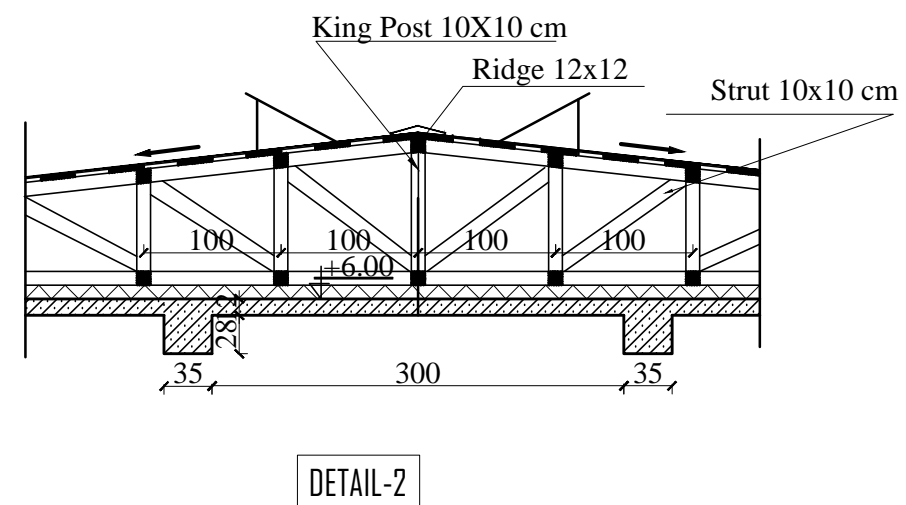
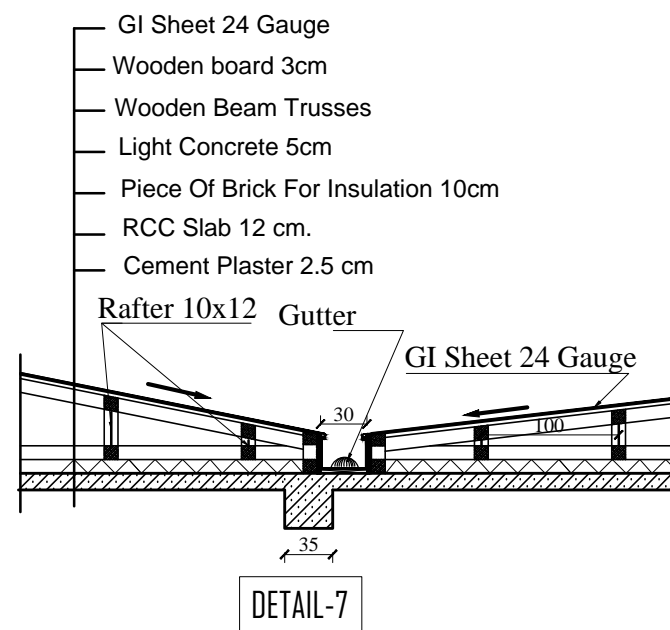
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CHECKED BY	ARCH.SAYEED RASUL	SCALE	AS SHOWN	SHEET No
TECH- APPROVED BY	ENG.AB.MATIN MAQOL	DATE	DECEMBER 2012	

PROJECT NAME

12 CLASSROOM SCHOOL WITH COMPUTER AND
LABRATORY CLASS RCC.IRON SHEET

DRAWING TITLE

DETAILS

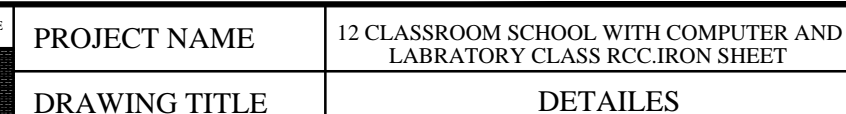
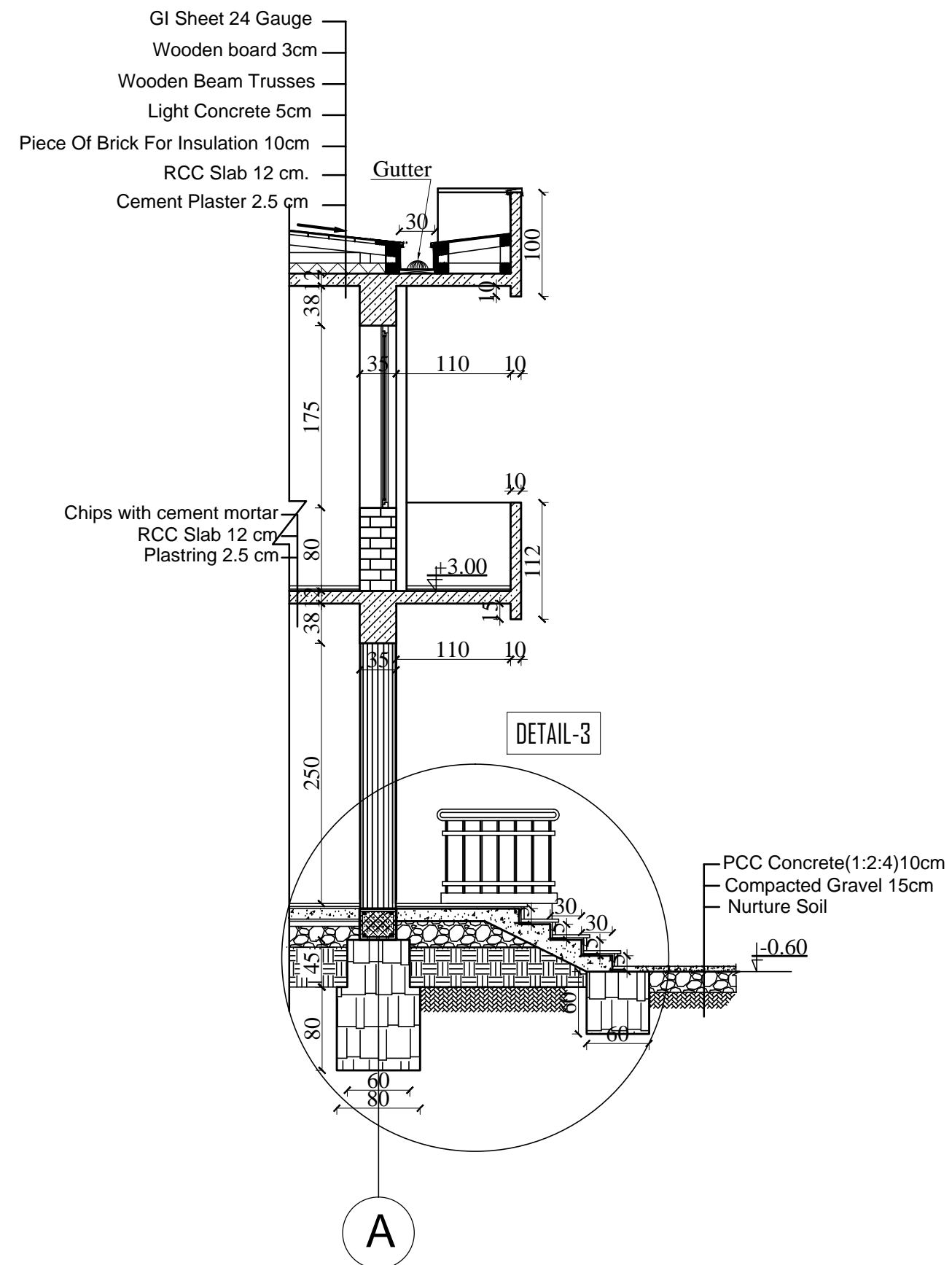


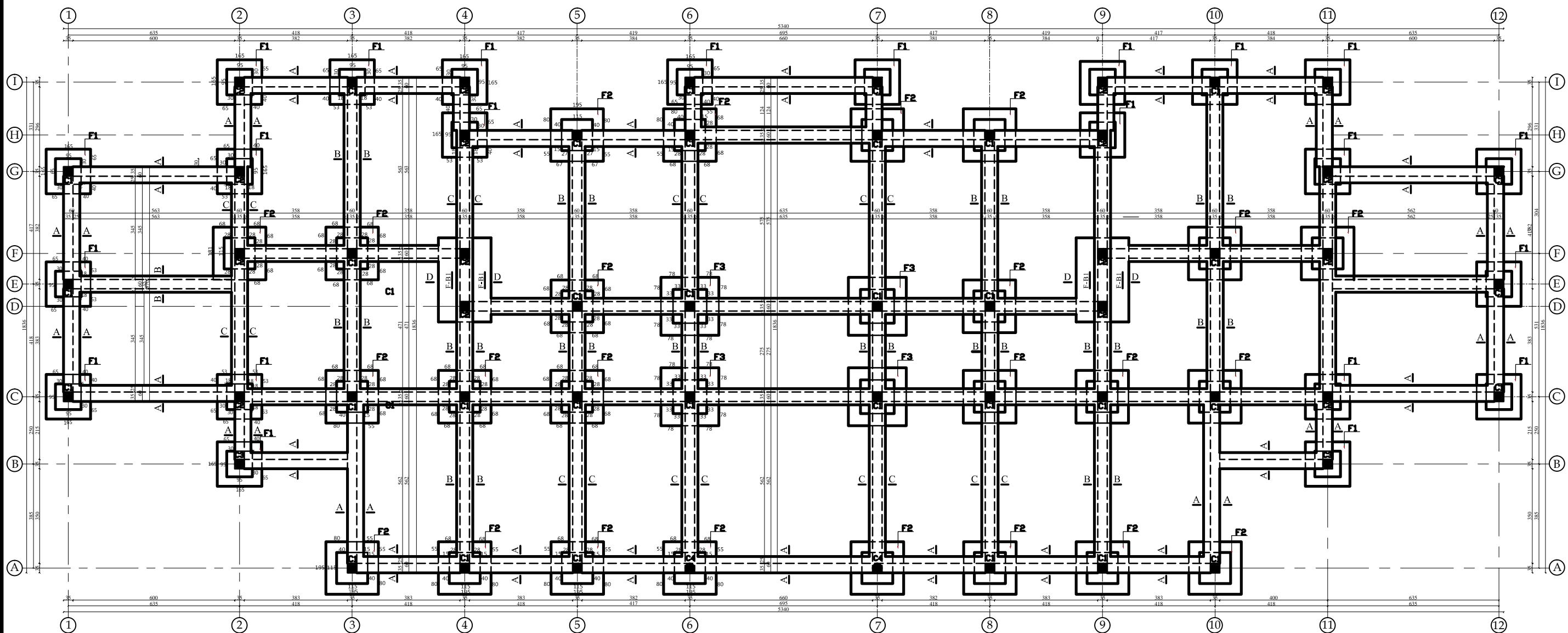
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DEPARTMENT OF CONTRACTION



STANDARD SCHOOL DESIGN
IN AFGHANISTAN

ARCHITECT/DESIGN	ARCH.NAKILA AFZALI	APPROVED:Doc/Moe	ENG.AB.MOMEN RAD	DRAWING TYPE	ARCHITECTURE	PROJECT NAME	12 CLASSROOM SCHOOL WITH COMPUTER AND LABRATORY CLASS RCC.IRON SHEET
CHECKED BY	ARCH.SAYEED RASUL	SCALE	AS SHOWN	SHEET No	21 23	DRAWING TITLE	DETAILS
TECH- APPROVED BY	ENG.AB.MATIN MAQOL	DATE	DECEMBER 2012				





FOUNDATION PLAN

- 1-Base on soil that result the safe bearing capacity of soil has been assumed as (1.5 Kg/cm²) at foundation level.
- 2-Minimum depth of foundation below original firm soil will be (80cm).
- 3-Concrete for all reinforced elements will be of ratio(1:1.5:3) and cubical strength of (200kg/cm²) after 28 days.
- 4-Reinforcement grade 1 mild steel having minimum yield stress of (2400Kg/cm²)
- 5-Reinforcement grade 2 deformed bars having minimum yield stress(3000Kg/cm²) that shown by (N).
- 6-P.C.C(1:2:4).

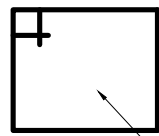


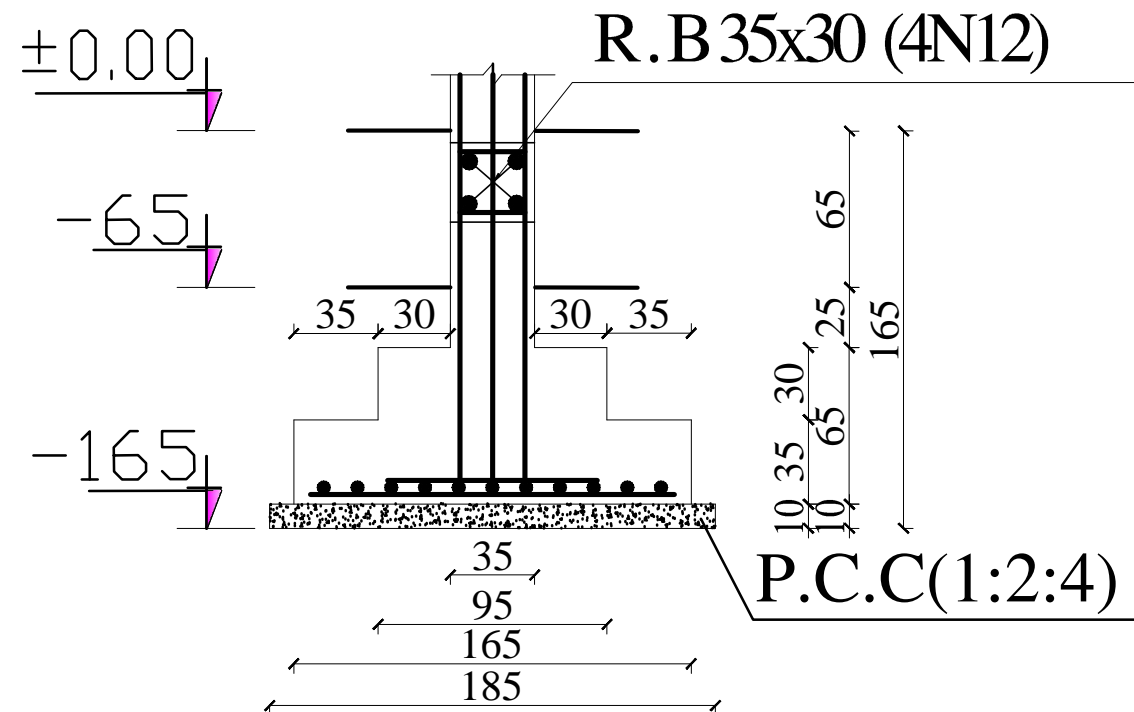
MINISTRY OF EDUCATION
DEPARTMENT OF CONTRACTION



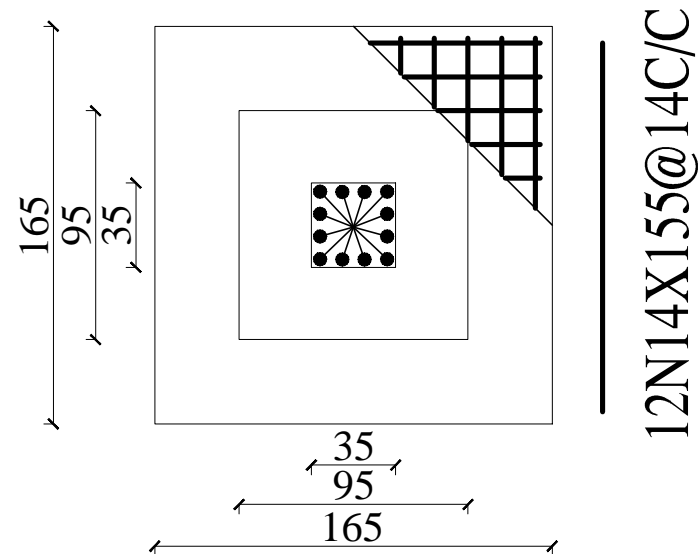
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IN AFGHANISTAN

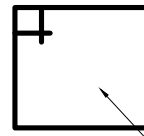
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CHECKED BY	ENG.M.RAHIM	SCALE	AS SHOWN (A3)	SHEET No	1 25	DRAWING TITLE	FOUNDATION PLAN
TECH- APPROVED BY	ENG.AB.MATIN MAQOL	DATE	8-Jan-2013				

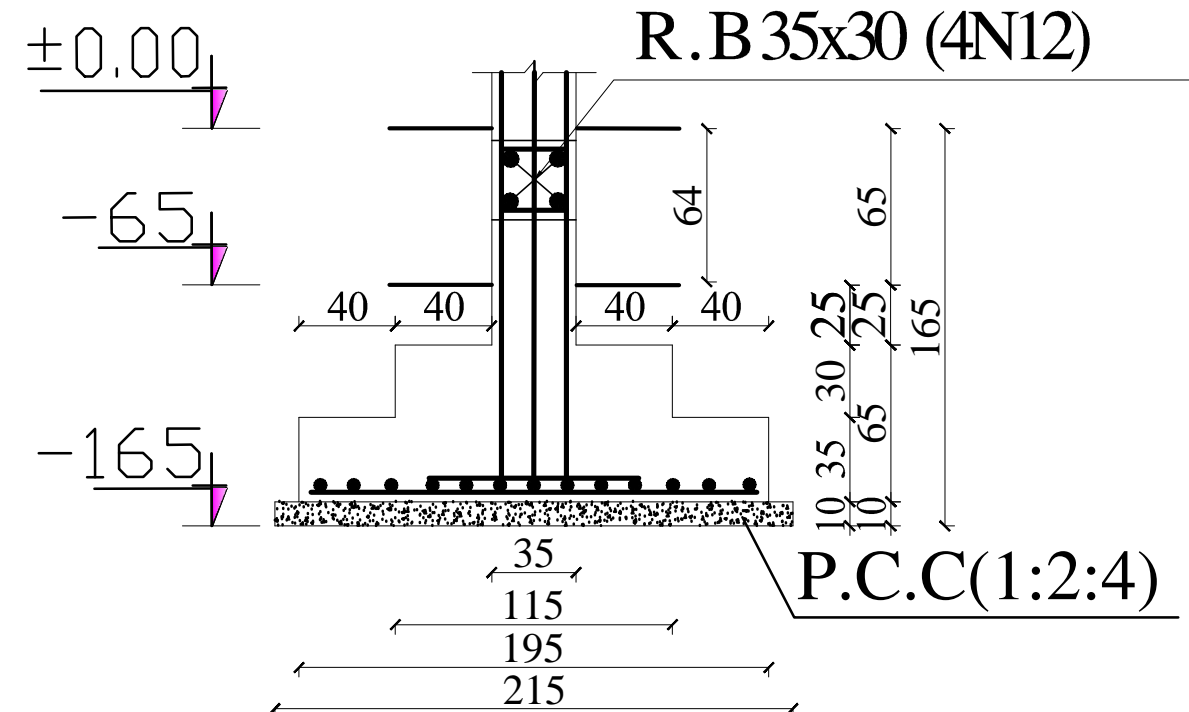
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30 Ø8x125



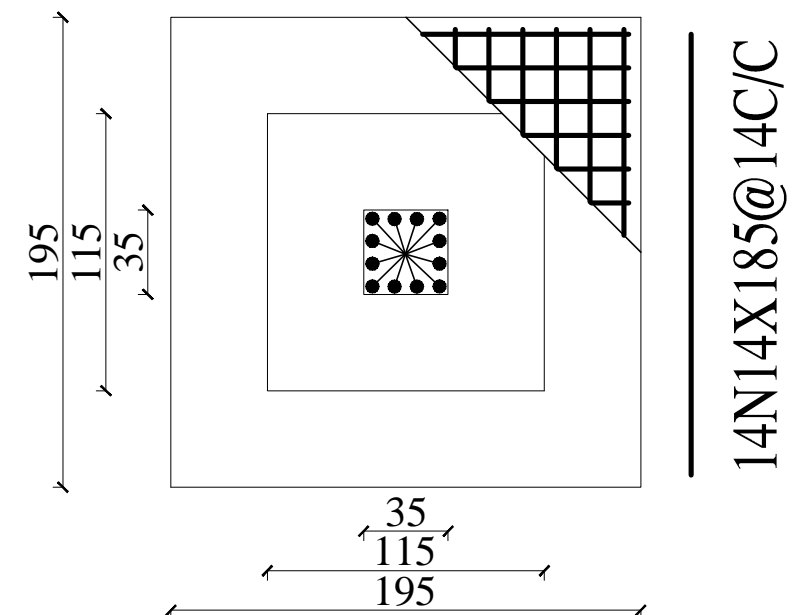
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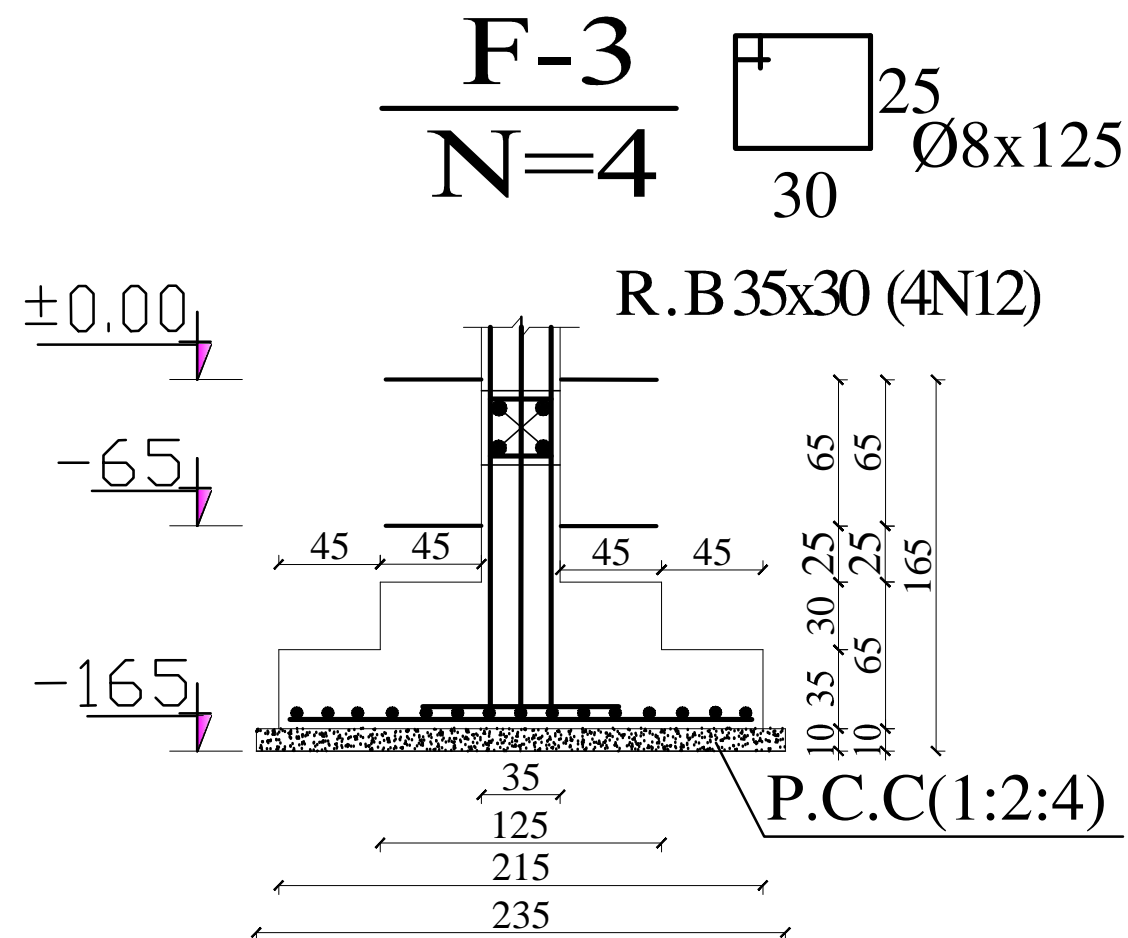


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DEPARTMENT OF CONTRACTION

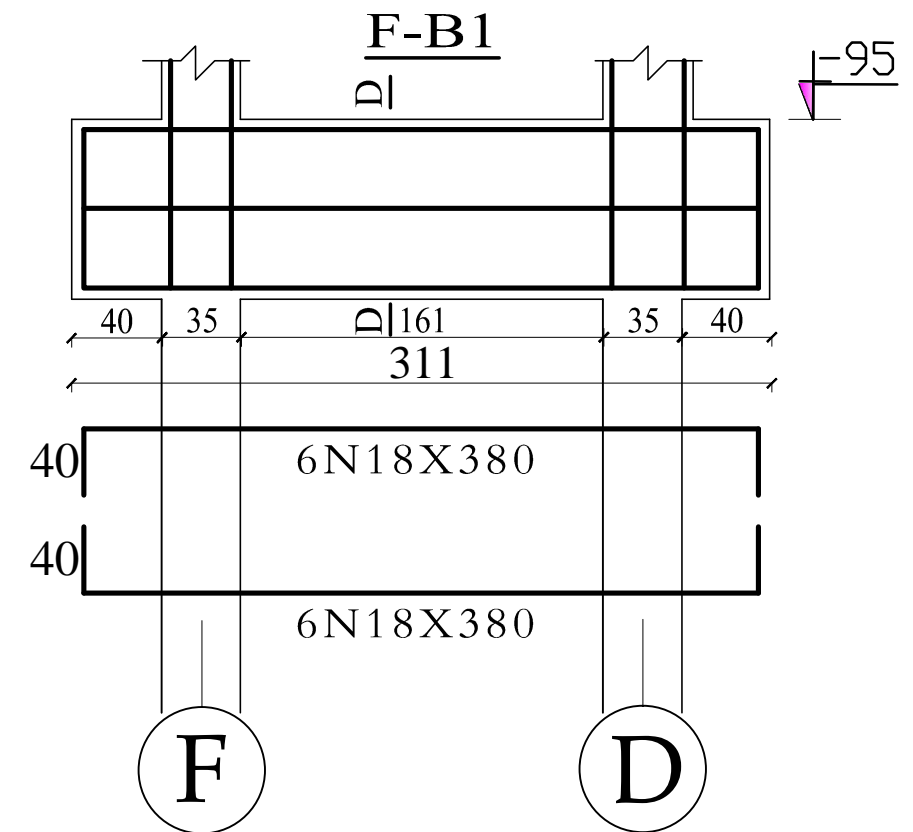
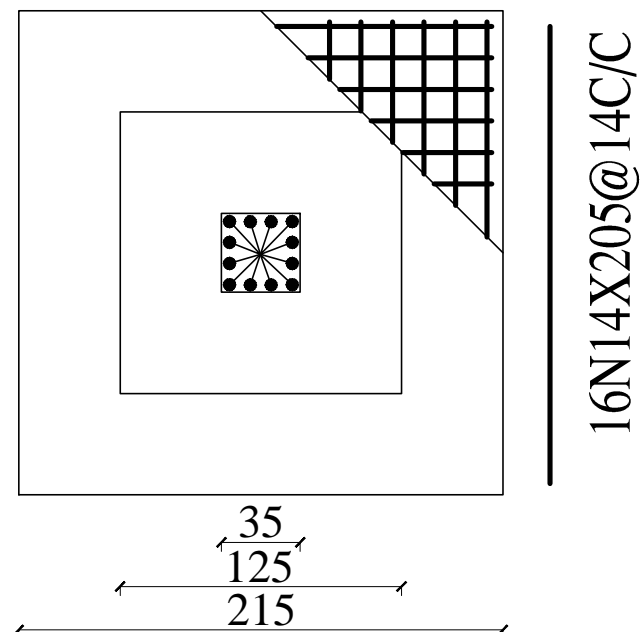


STANDARD SCHOOL DESIGN
IN AFGHANISTAN

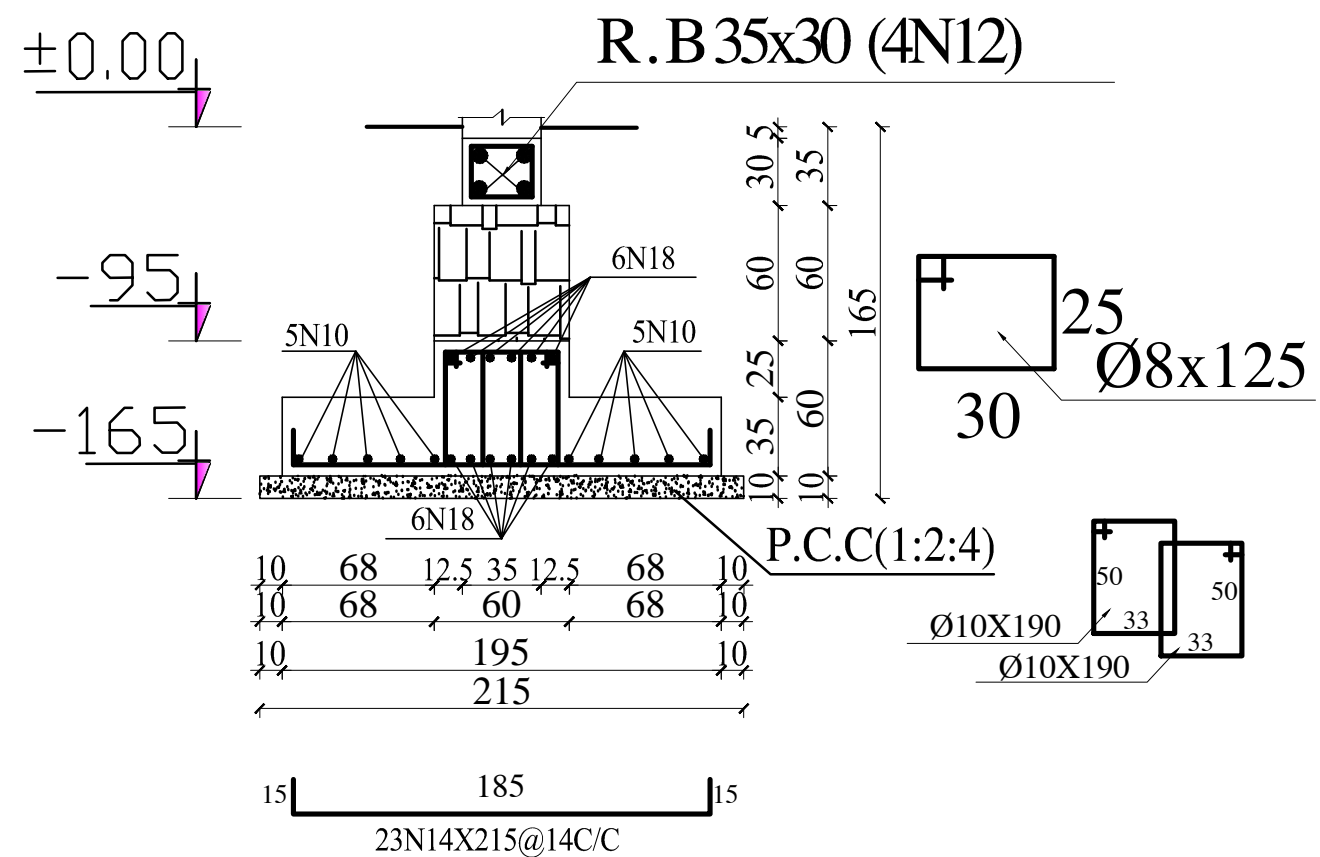
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CHECKED BY	ENG.M.RAHIM	SCALE	AS SHOWN (A3)	SHEET No	2 25	DRAWING TITLE	FOUNDATION SECTION
TECH- APPROVED BY	ENG.AB.MATIN MAQOL	DATE	8-Jan-2013				



16N14X205@14C/C



SEC: D-D



MINISTRY OF EDUCATION
DEPARTMENT OF CONTRACTION



STANDARD SCHOOL DESIGN
IN AFGHANISTAN

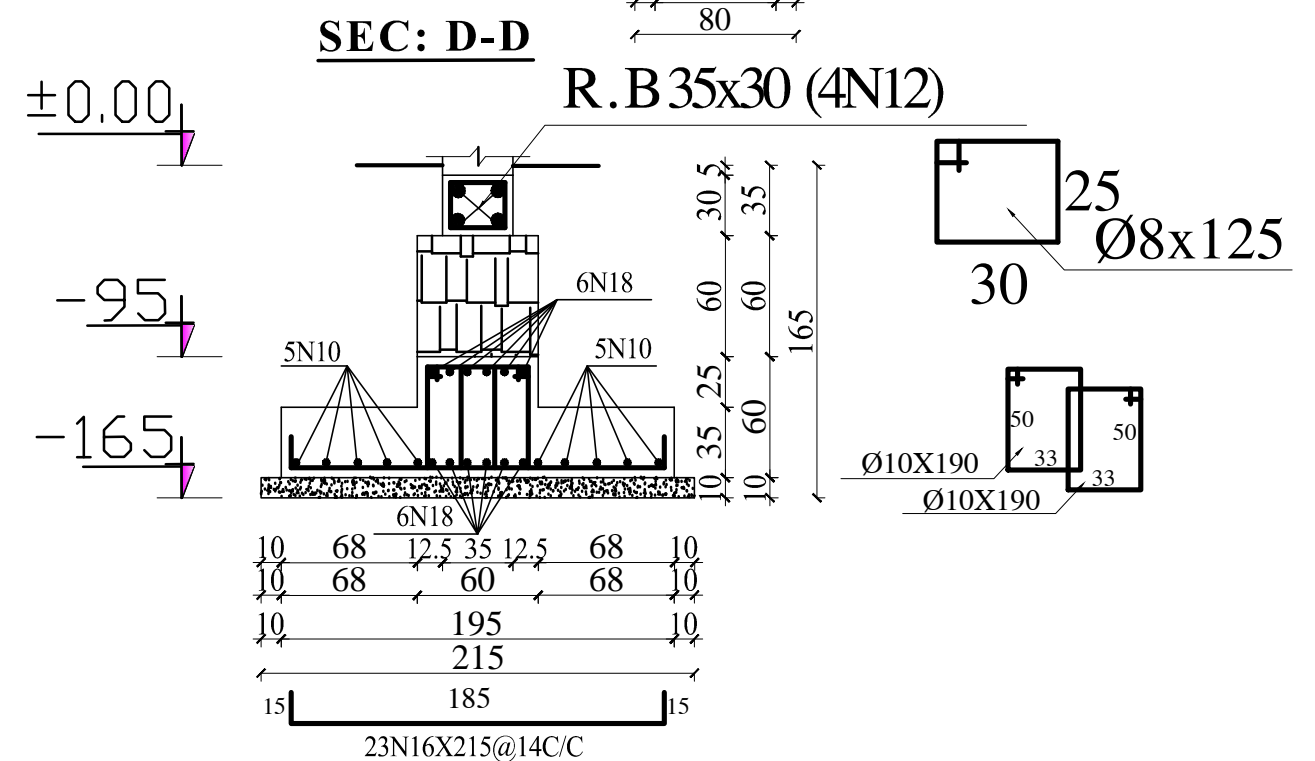
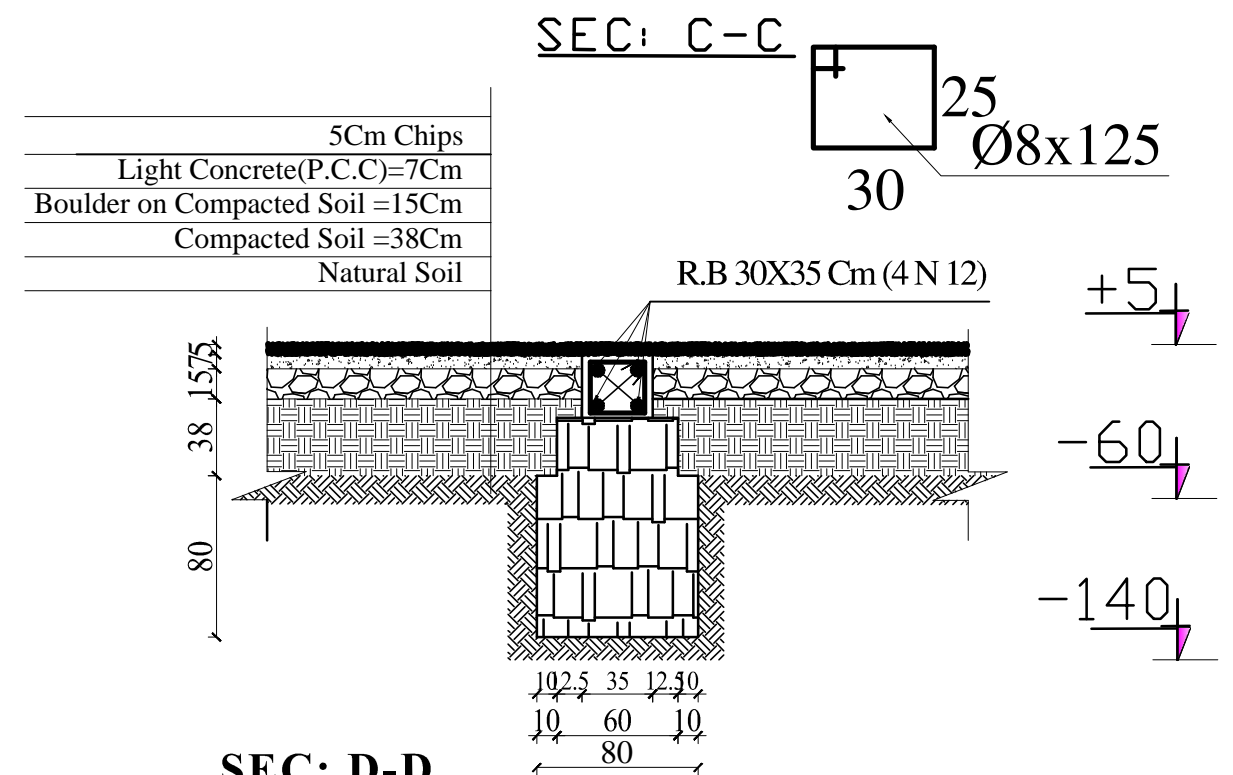
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CHECKED BY	ENG.M.RAHIM	SCALE	AS SHOWN (A3)	SHEET No	3 25
TECH- APPROVED BY	ENG.AB.MATIN MAQOL	DATE	8-Jan-2013		

PROJECT NAME

12 CLASSROOM SCHOOL WITH COMPUTER AND
LABRATORY CLASS RCC.IRON SHEET


DRAWING TITLE

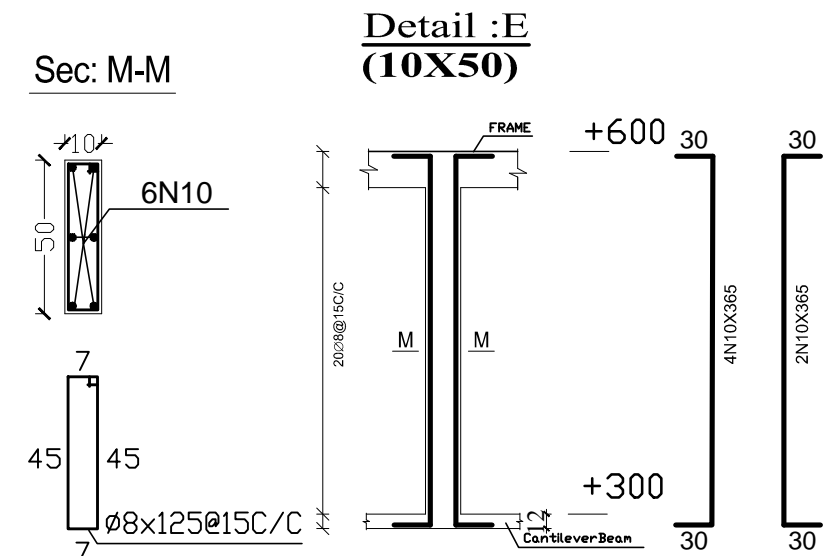
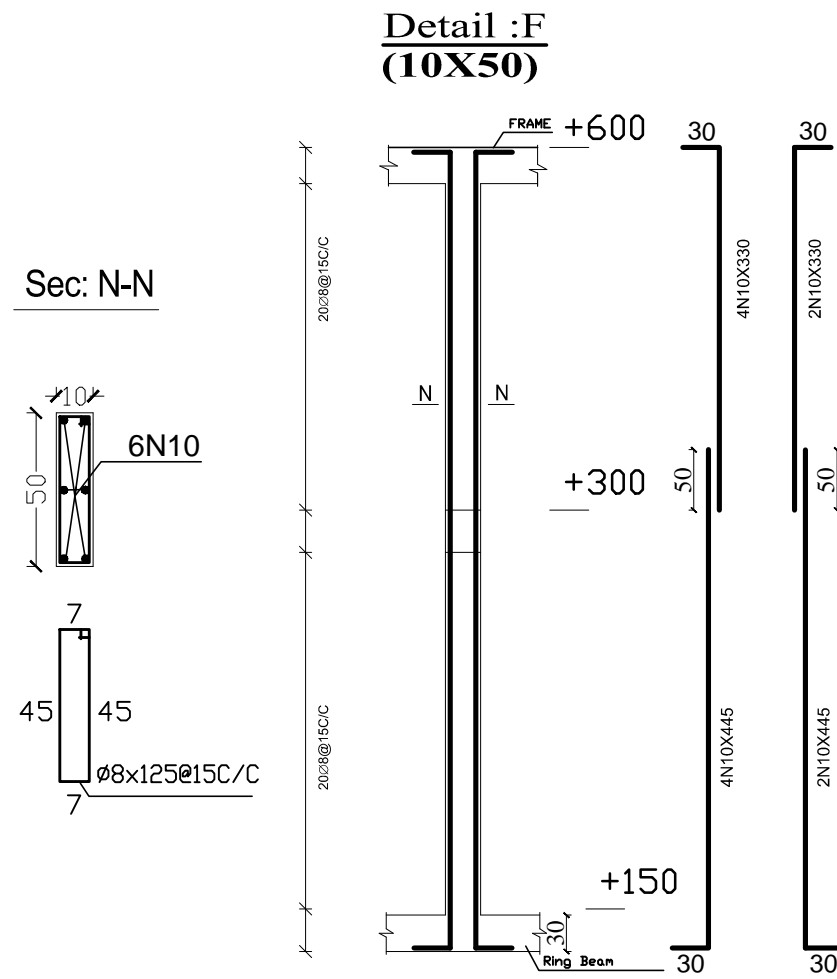
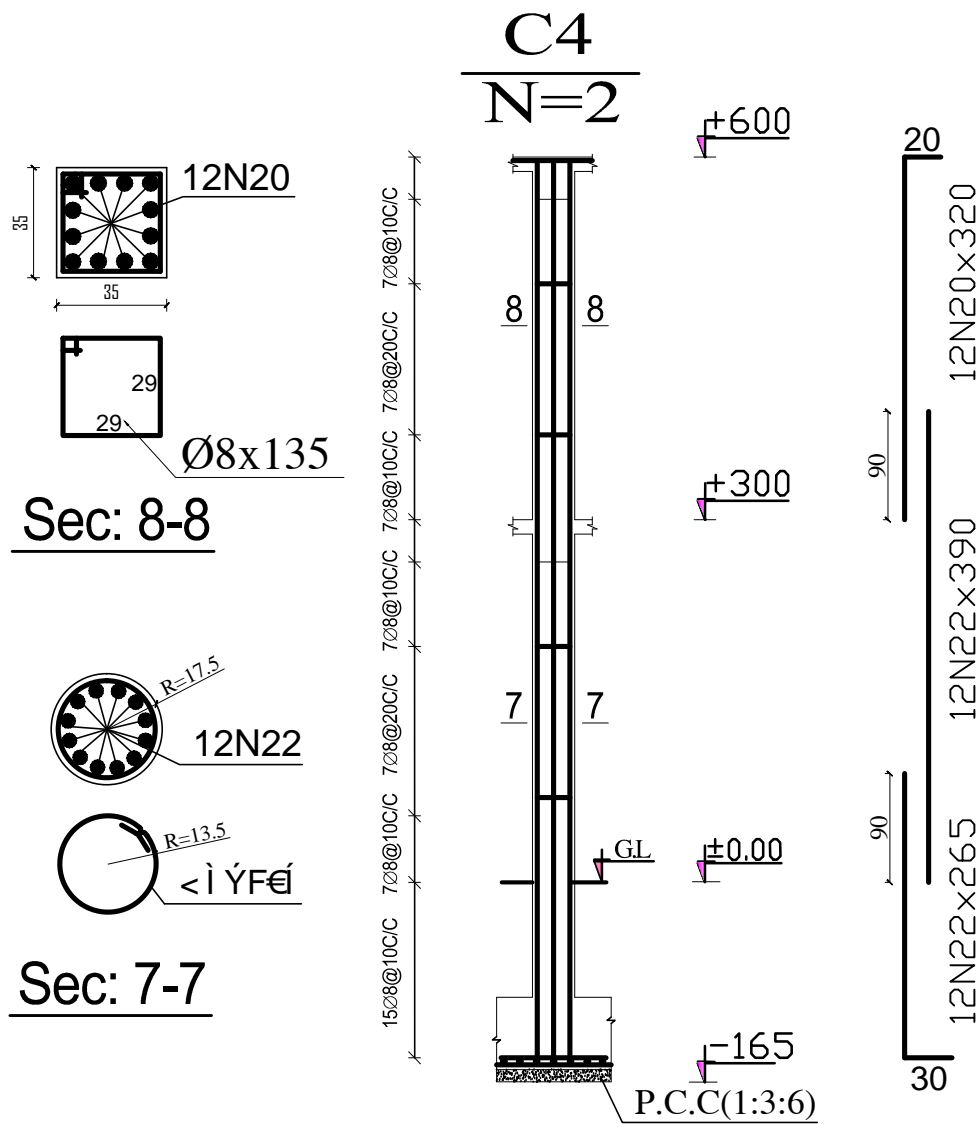
FOUNDATION DETAILING



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DEPARTMENT OF CONTRACTION

STANDARD SCHOOL DESIGN
IN AFGHANISTAN

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CHECKED BY	ENG.M.RAHIM	SCALE	AS SHOWN (A3)	SHEET No		DRAWING TITLE	FOUNDATION SECTIONS
TECH- APPROVED BY	ENG.AB.MATIN MAQOL	DATE	8-Jan-2013				



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DEPARTMENT OF CONTRACTION



STANDARD SCHOOL DESIGN
IN AFGHANISTAN

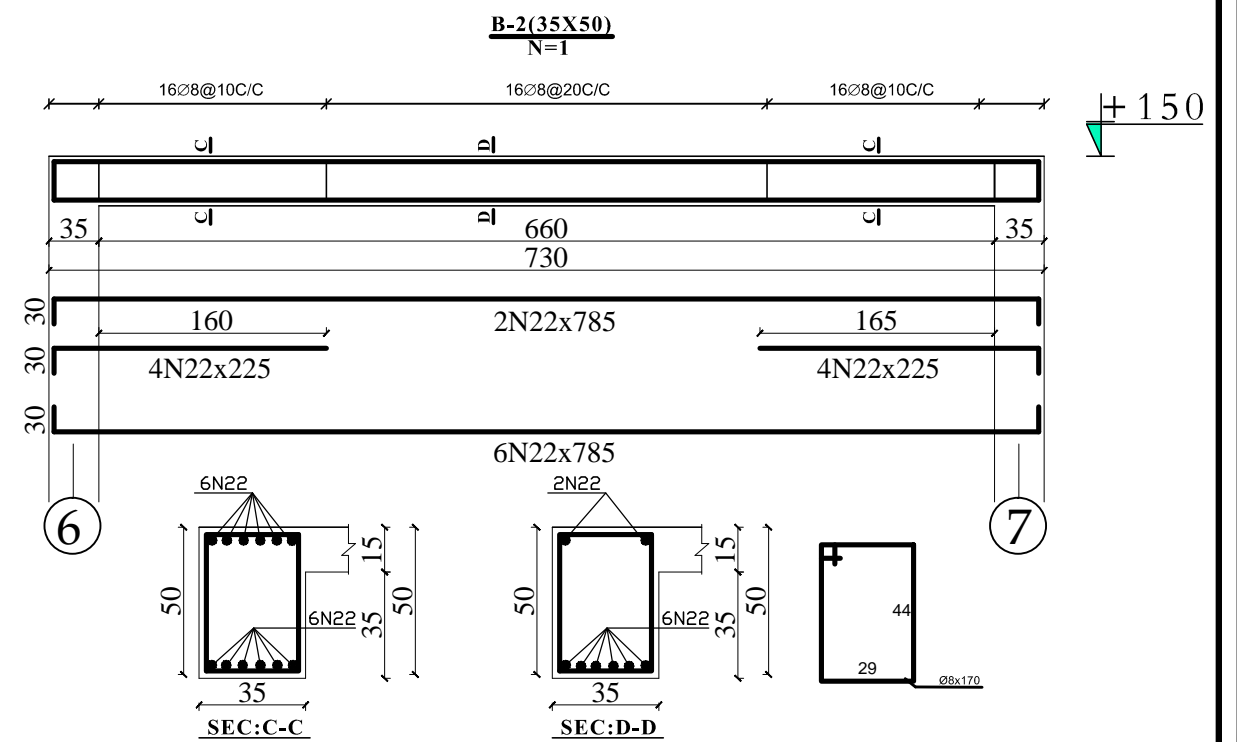
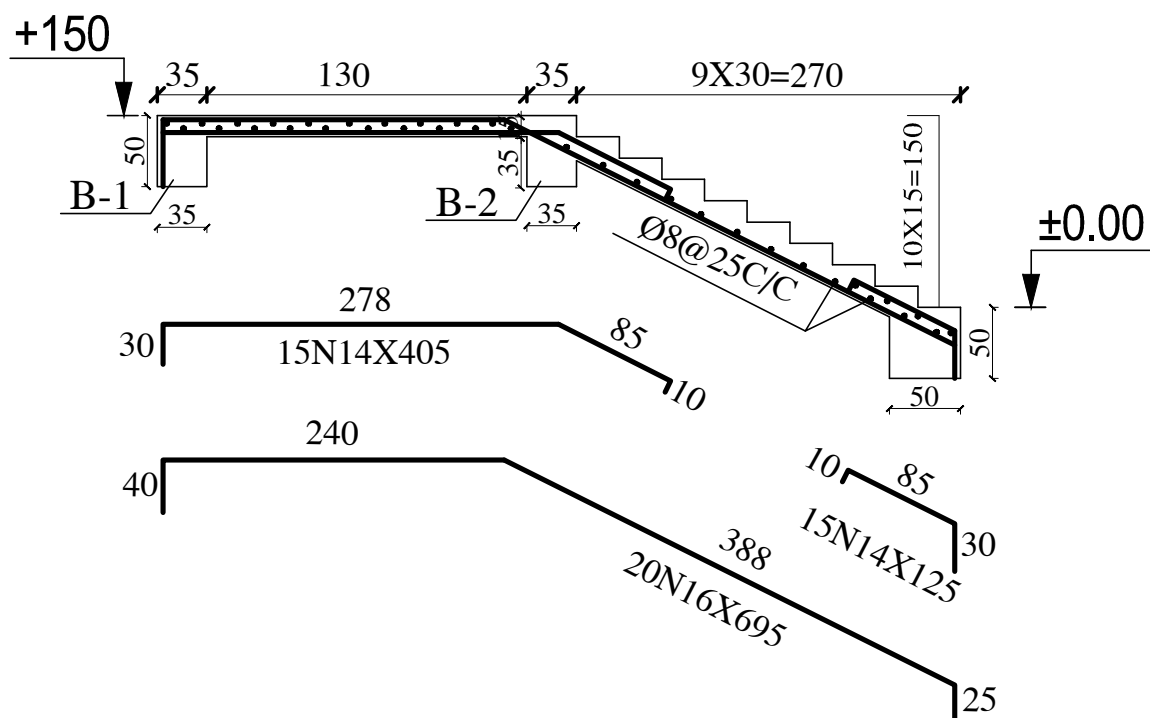
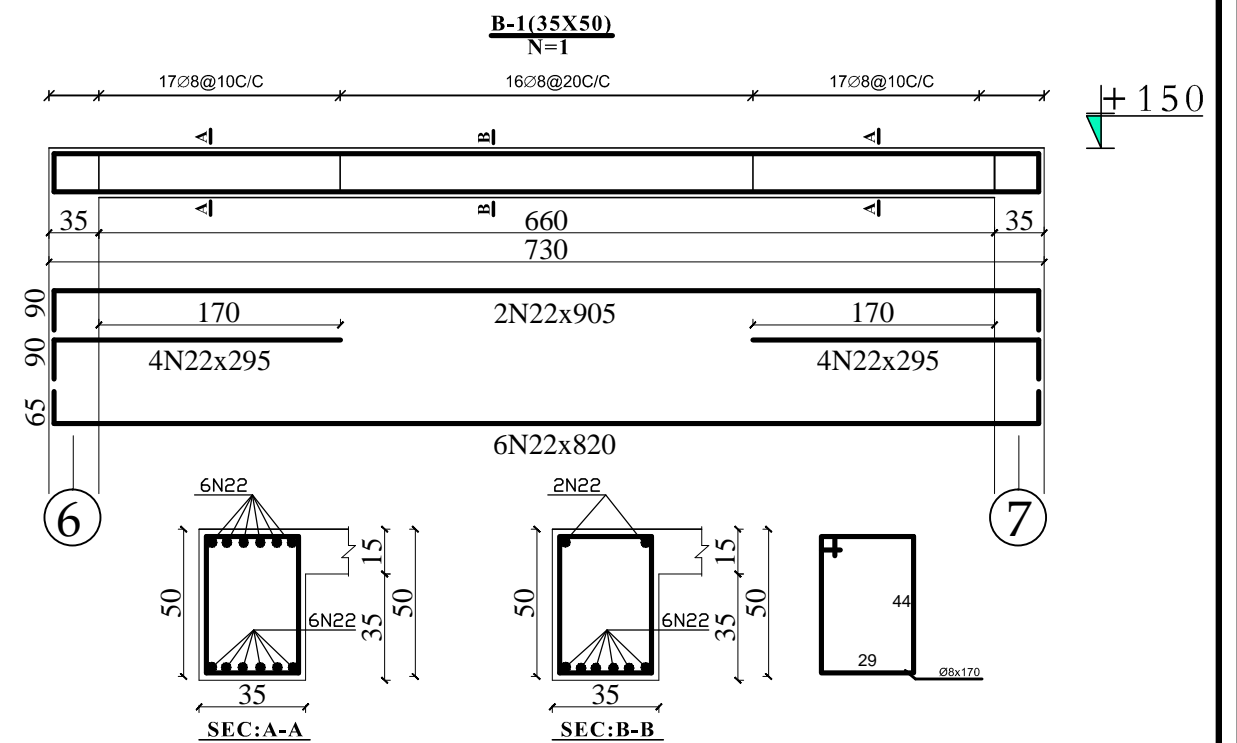
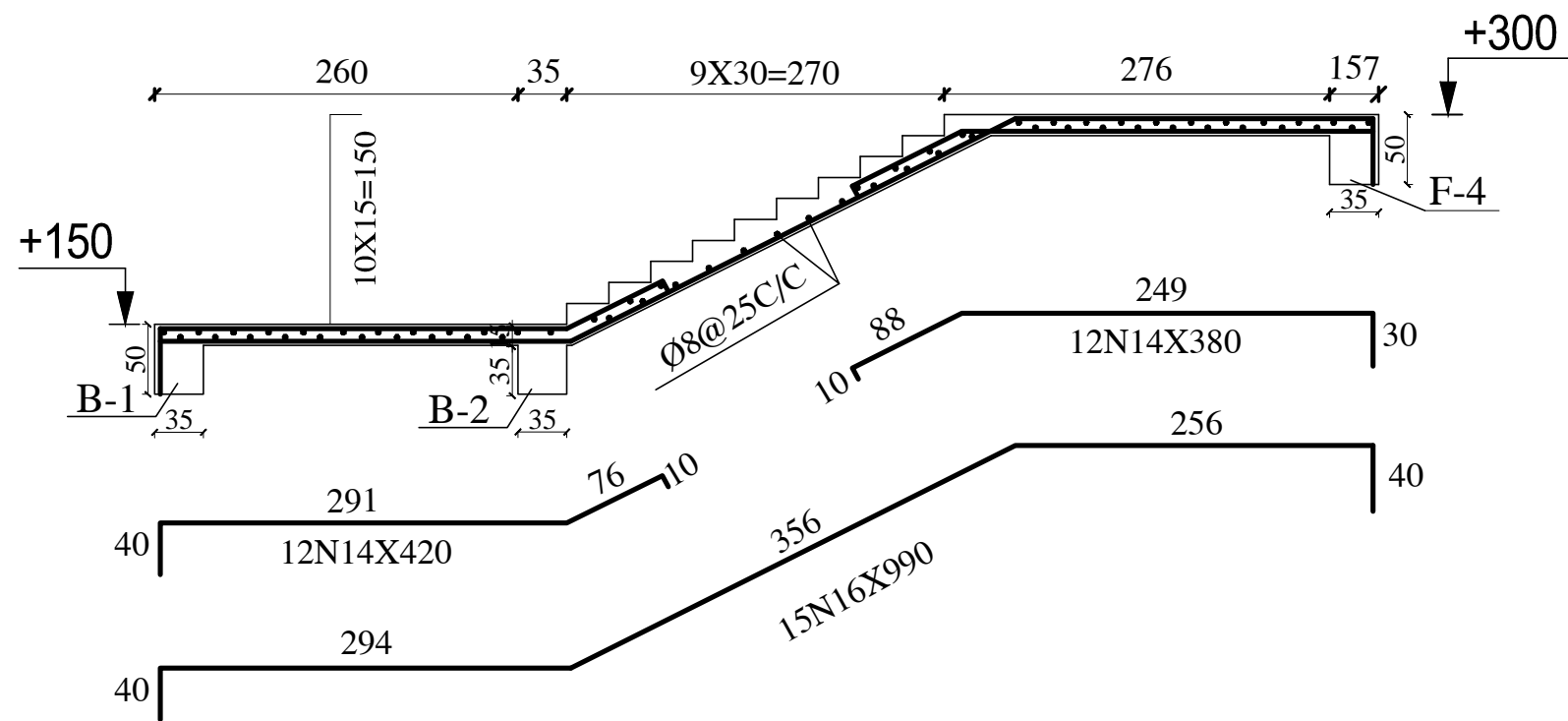
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CHECKED BY	ENG.M.RAHIM	SCALE	AS SHOWN (A3)	SHEET No	6 25
TECH- APPROVED BY	ENG.AB.MATIN MAQOL	DATE	8-Jan-2013		

PROJECT NAME

12 CLASSROOM SCHOOL WITH COMPUTER AND
LABRATORY CLASS RCC.IRON SHEET

DRAWING TITLE

COLUMNS DETAILING



MINISTRY OF EDUCATION
DEPARTMENT OF CONTRACTION



STANDARD SCHOOL DESIGN
IN AFGHANISTAN

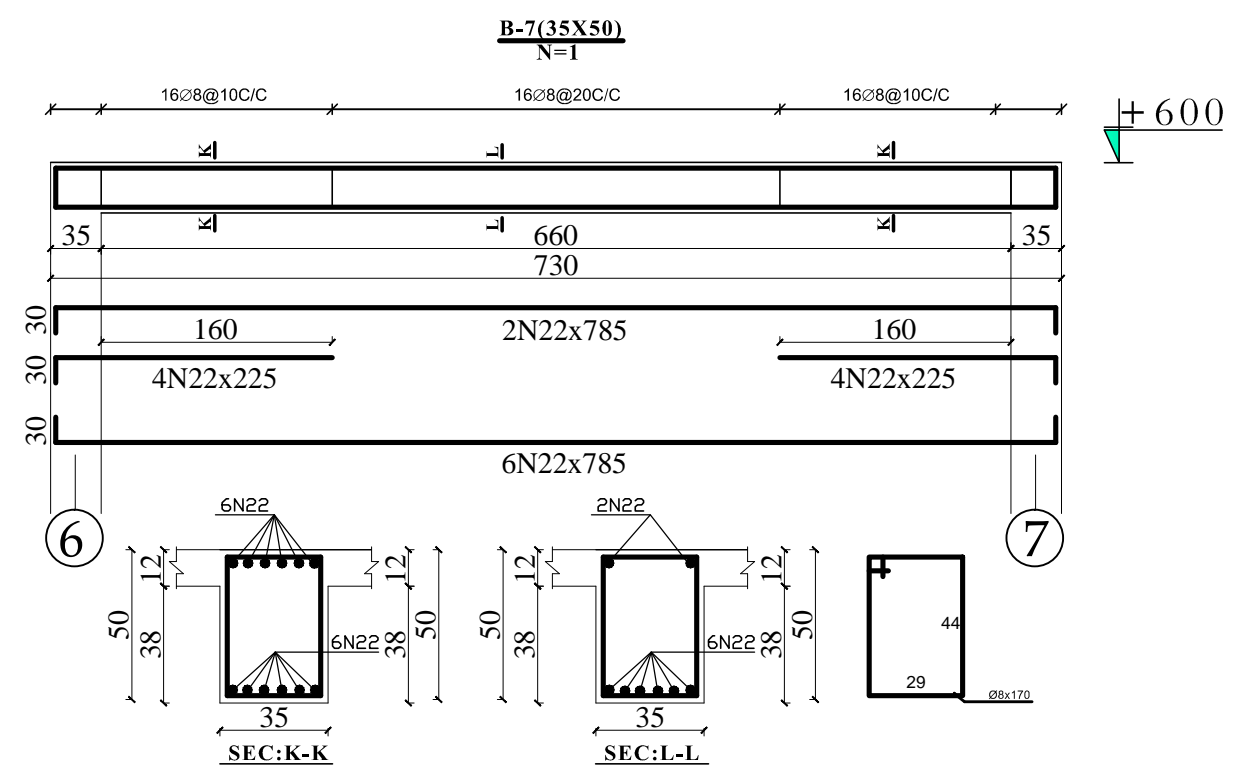
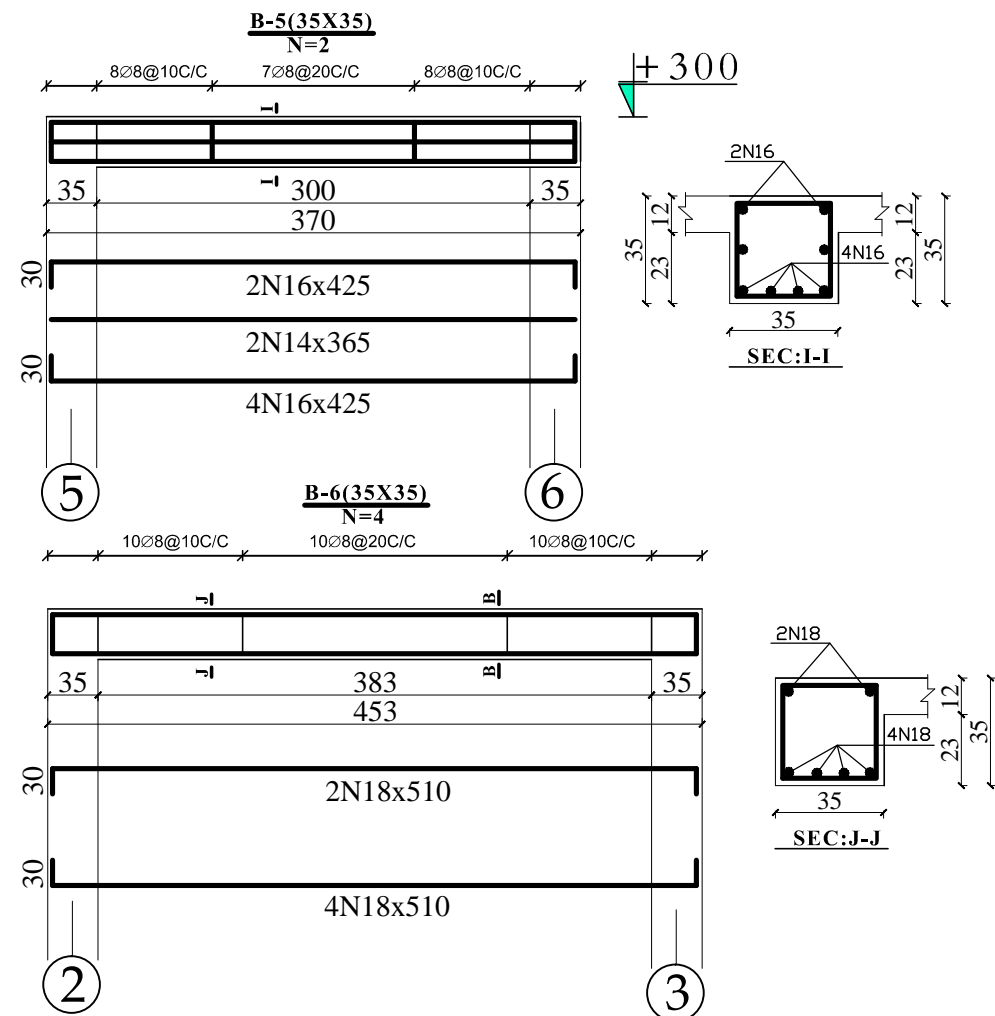
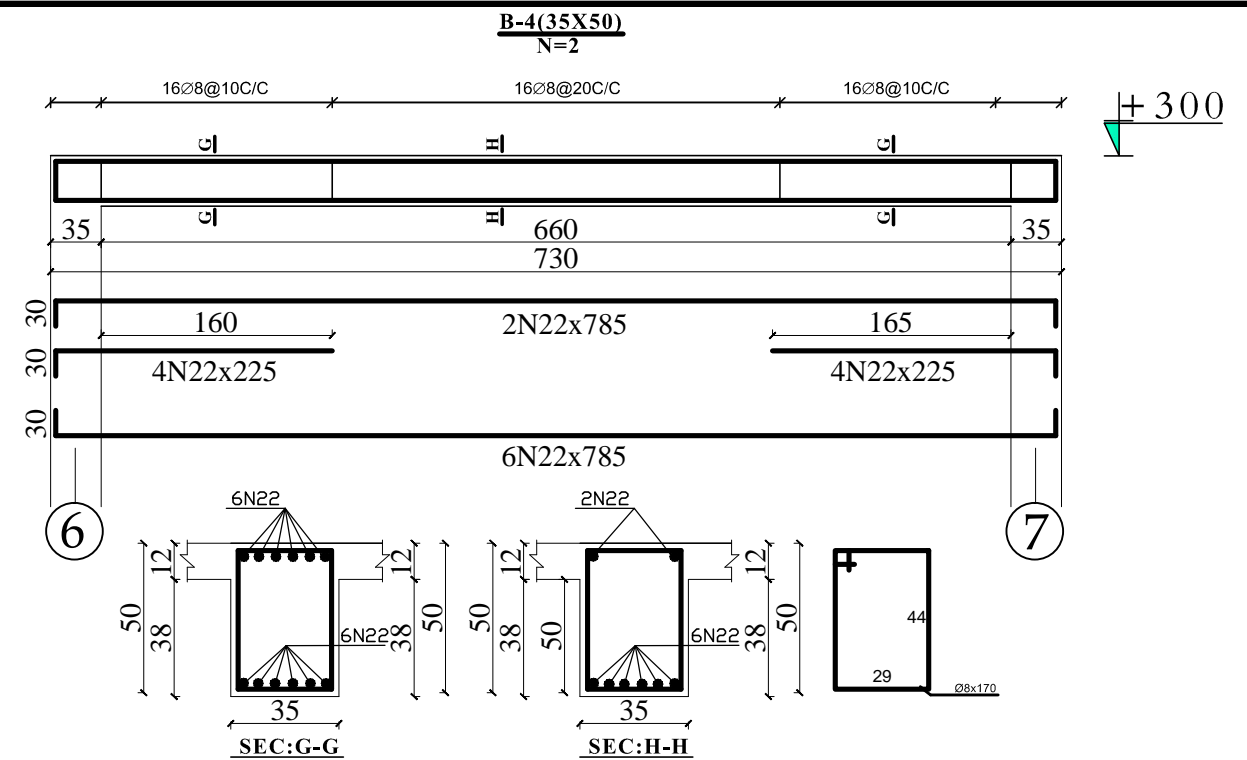
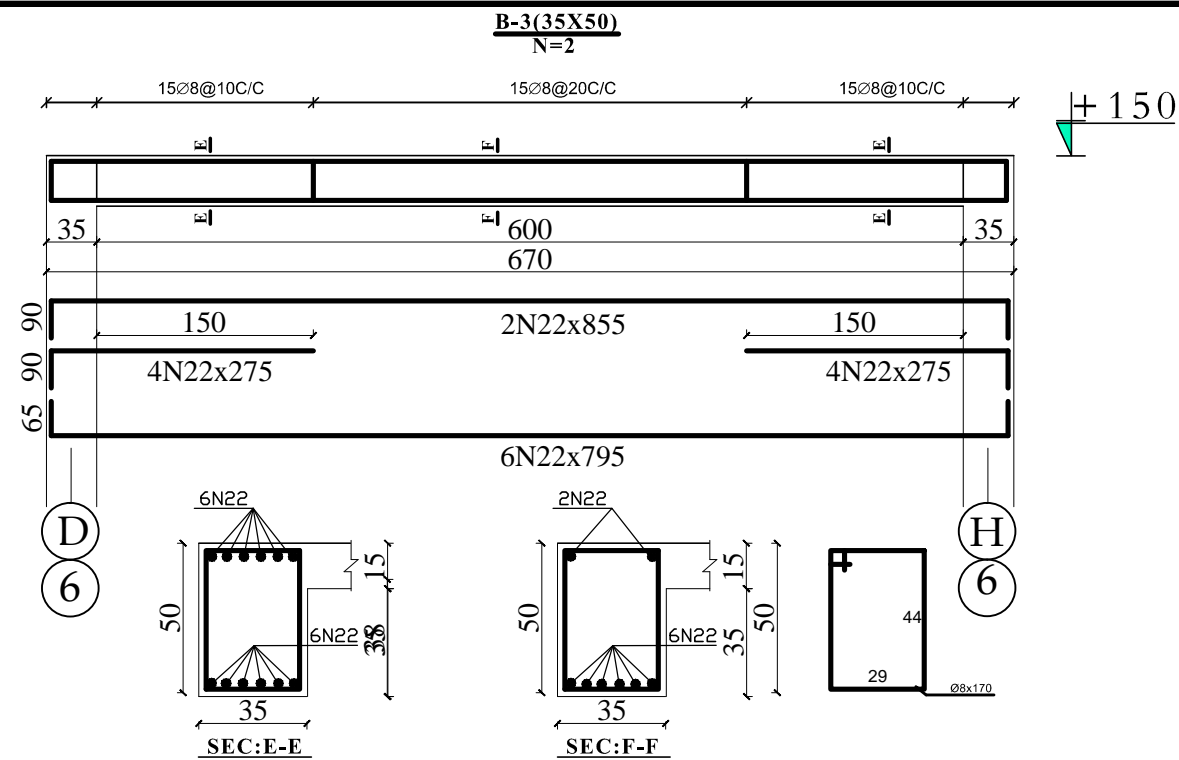
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CHECKED BY	ENG.M.RAHIM	SCALE	AS SHOWN (A3)	SHEET No	7 25
TECH- APPROVED BY	ENG.AB.MATIN MAQOL	DATE	8-Jan-2013		

PROJECT NAME

12 CLASSROOM SCHOOL WITH COMPUTER AND
LABRATORY CLASS RCC.IRON SHEET

DRAWING TITLE

STAIR CASE DETAILING



MINISTRY OF EDUCATION
DEPARTMENT OF CONTRACTION



STANDARD SCHOOL DESIGN
IN AFGHANISTAN

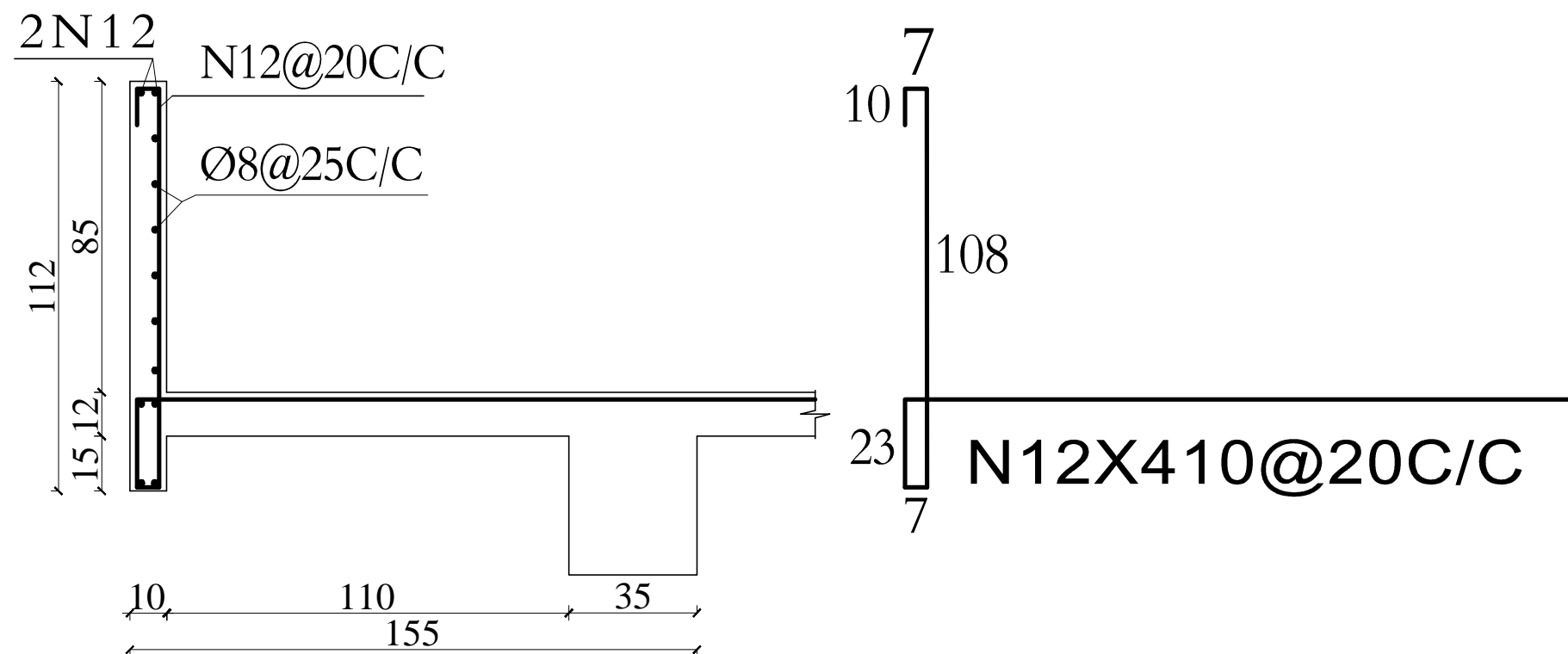
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TECH- APPROVED BY	ENG.AB.MATIN MAQOL	DATE	8-Jan-2013		25

PROJECT NAME

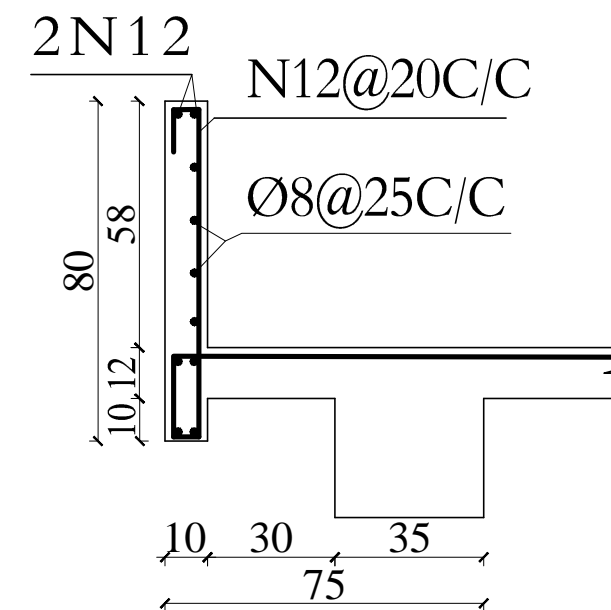
12 CLASSROOM SCHOOL WITH COMPUTER AND
LABRATORY CLASS RCC.IRON SHEET

DRAWING TITLE

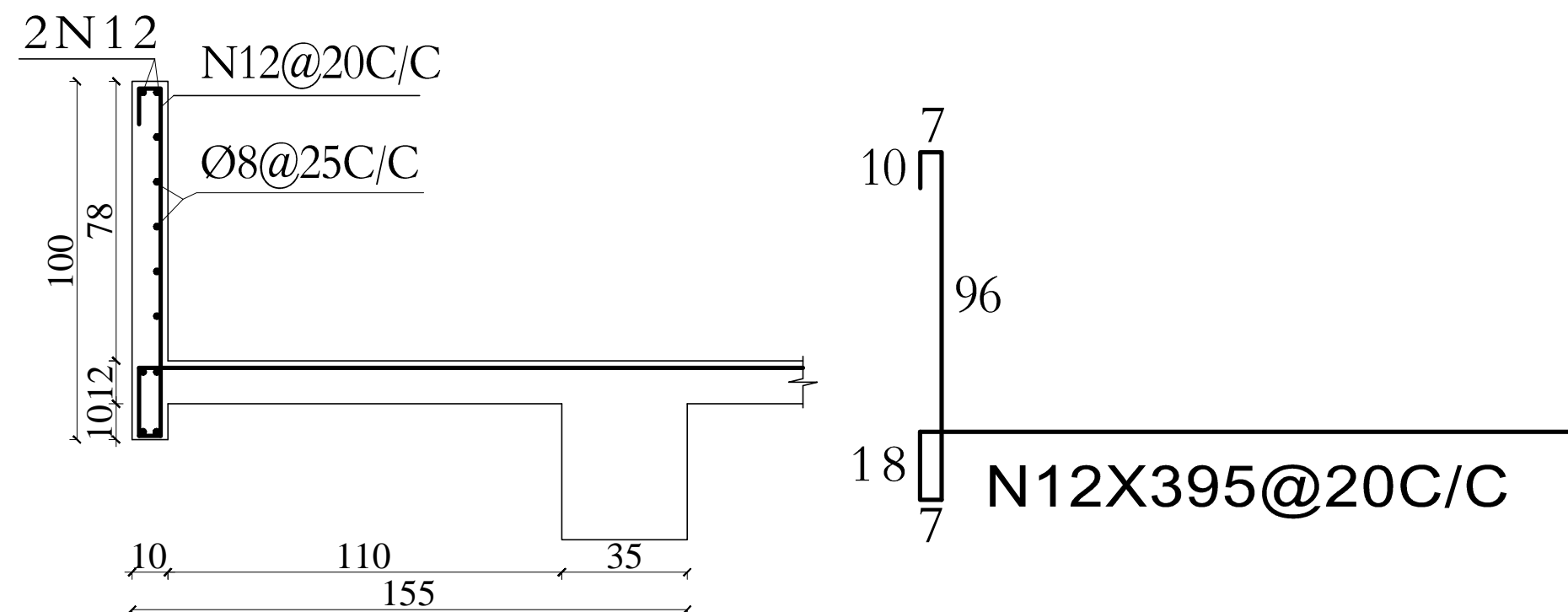
BEAMS DETAILING



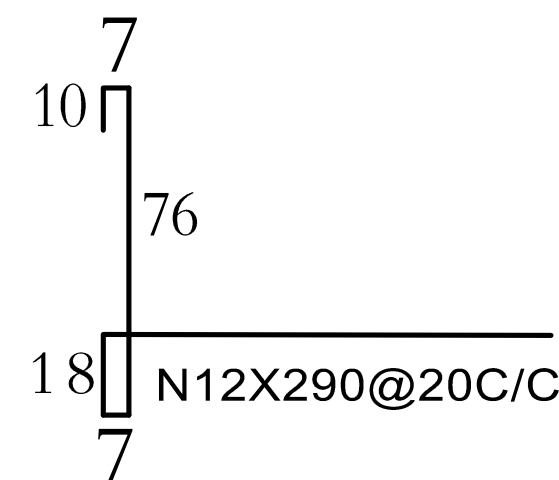
DETAIL :A



DETAIL :C



DETAIL :B



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DEPARTMENT OF CONTRACTION



STANDARD SCHOOL DESIGN
IN AFGHANISTAN

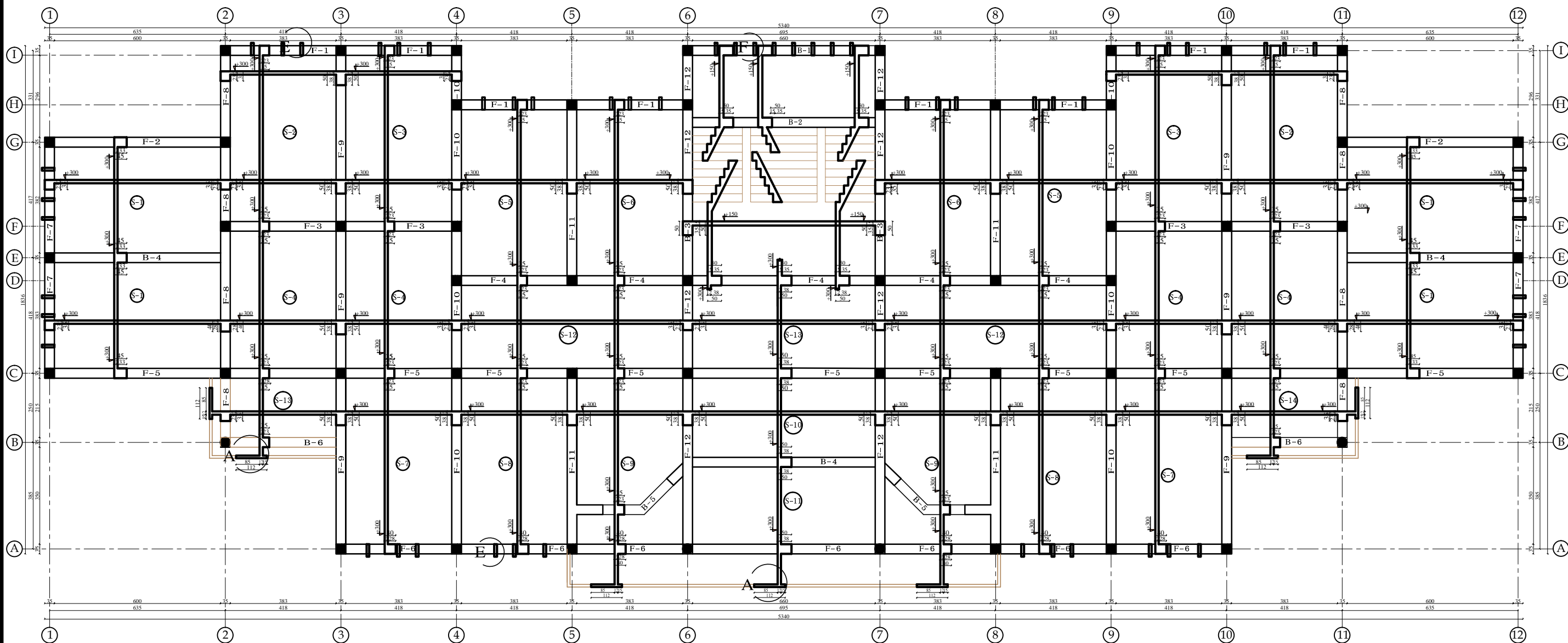
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CHECKED BY	ENG.M.RAHIM	SCALE	AS SHOWN (A3)	SHEET No	9 25
TECH- APPROVED BY	ENG.AB.MATIN MAQOL	DATE	8-Jan-2013		

PROJECT NAME

12 CLASSROOM SCHOOL WITH COMPUTER AND
LABRATORY CLASS RCC.IRON SHEET

DRAWING TITLE

PARAPETS AND CANTILEVERS DETAILING



GROUND FLOOR SHUTTERING PLAN AT LEVEL +300



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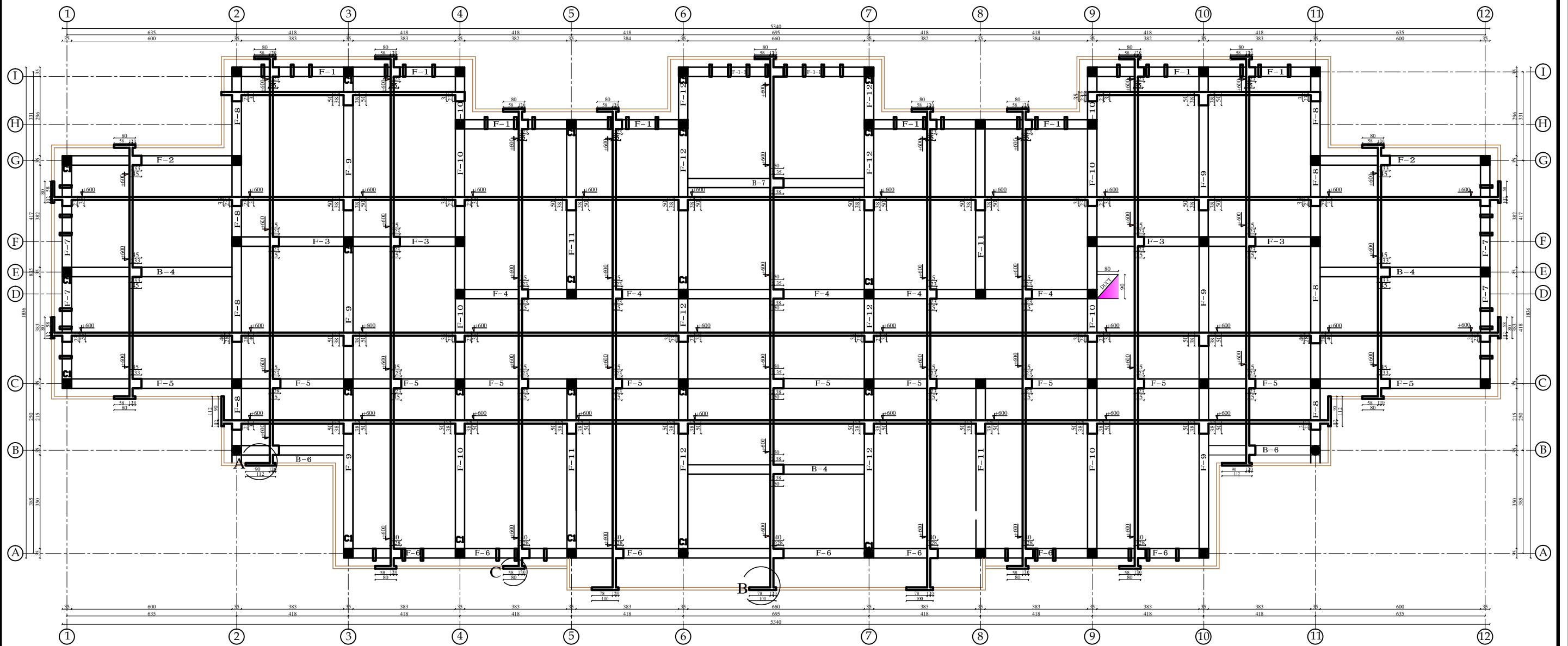


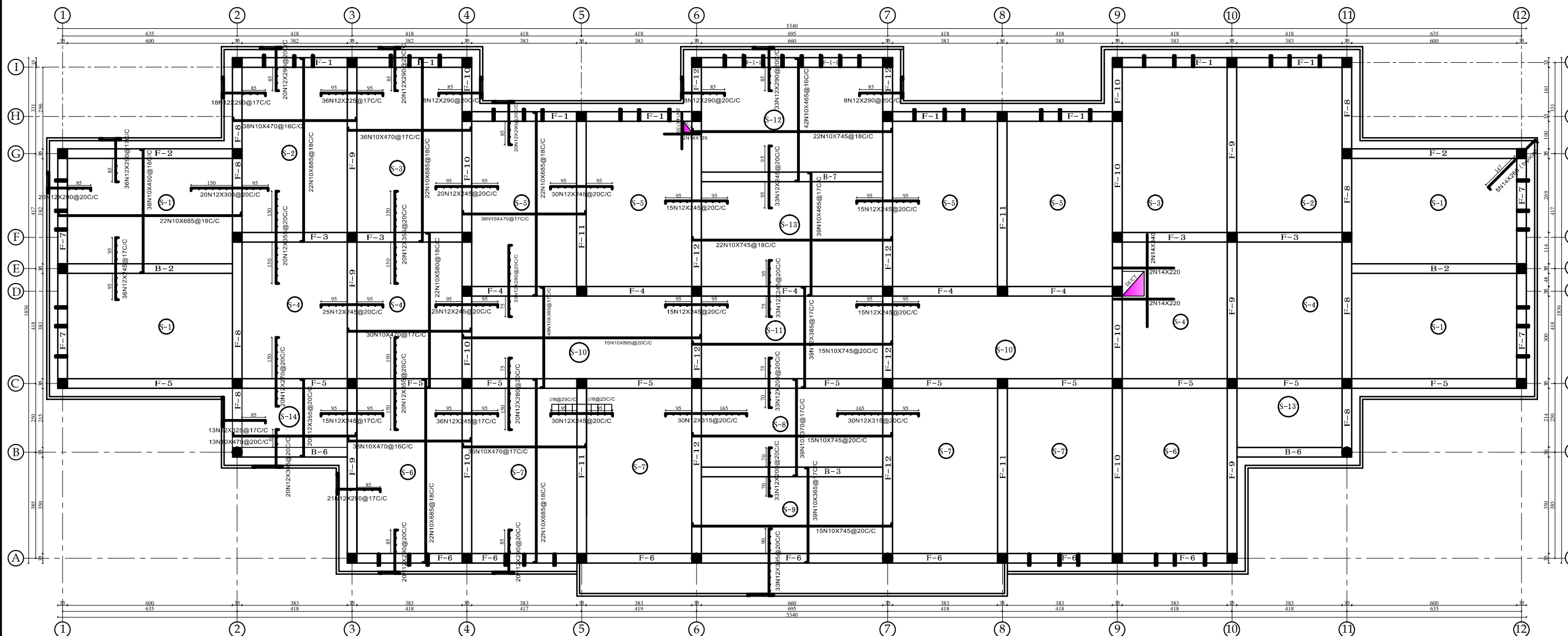
STANDARD SCHOOL DESIGN
IN AFGHANISTAN

R.C.C/DESIGN	ENG.HEDAYATULAH	APPROVED:Doc/Moe	ENG.AB.MOMEN. RAD	DRAWING TYPE
CHECKED BY	ENG.M.RAHIM	SCALE	AS SHOWN (A3)	SHEET No
TECH- APPROVED BY	ENG.AB.MATIN MAQOL	DATE	8-Jan-2013	

STRUCTURAL
10 25

PROJECT NAME	12 CLASSROOM SCHOOL WITH COMPUTER AND LABRATORY CLASS RCC.IRON SHEET
DRAWING TITLE	GROUND FLOOR SHUTTERING PLAN AT LEVEL+300





FIRST FLOOR REINFORCEMENT PLAN AT LEVEL +600



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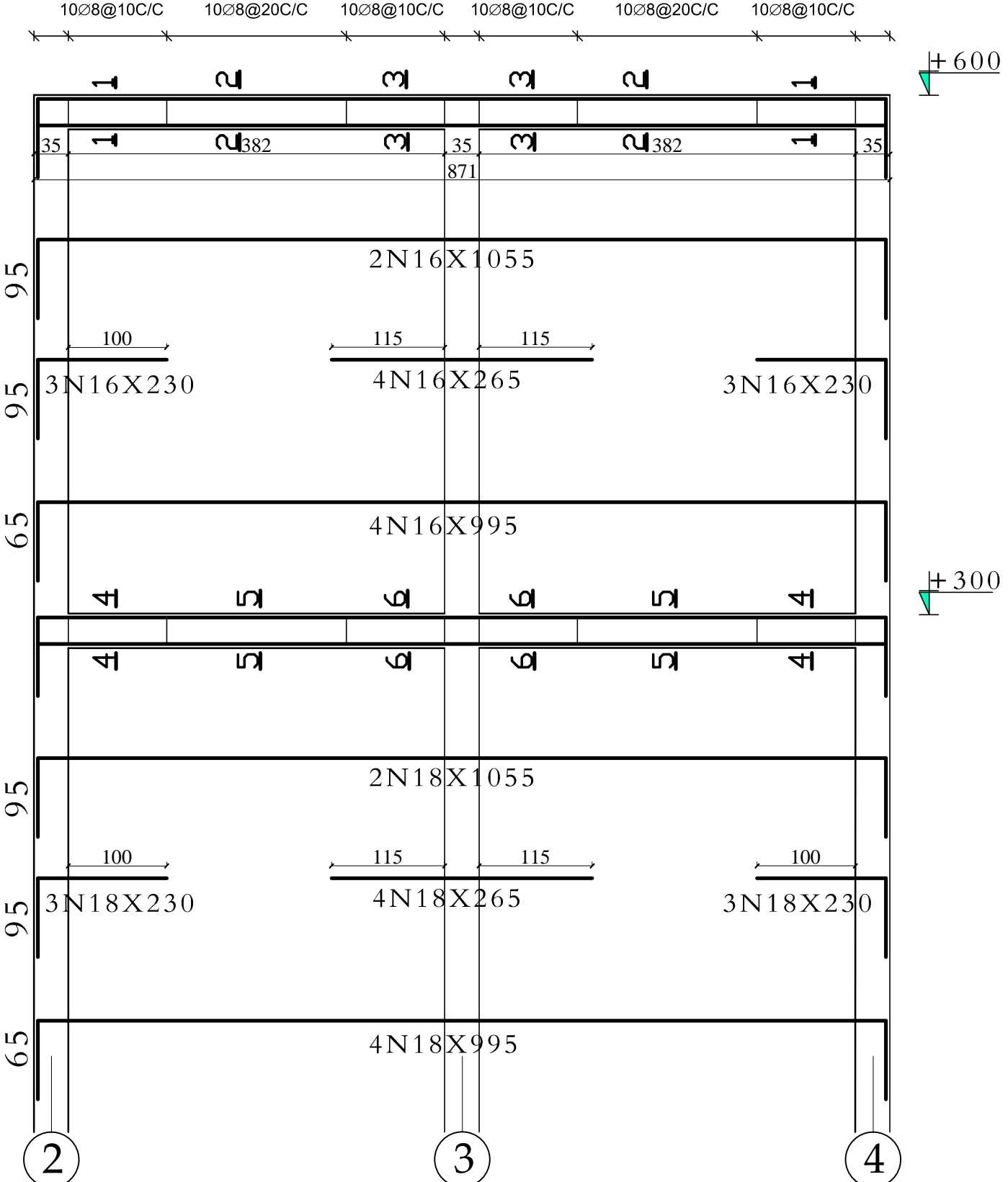
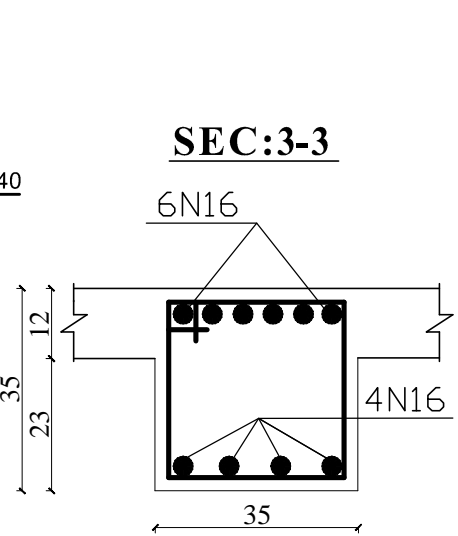
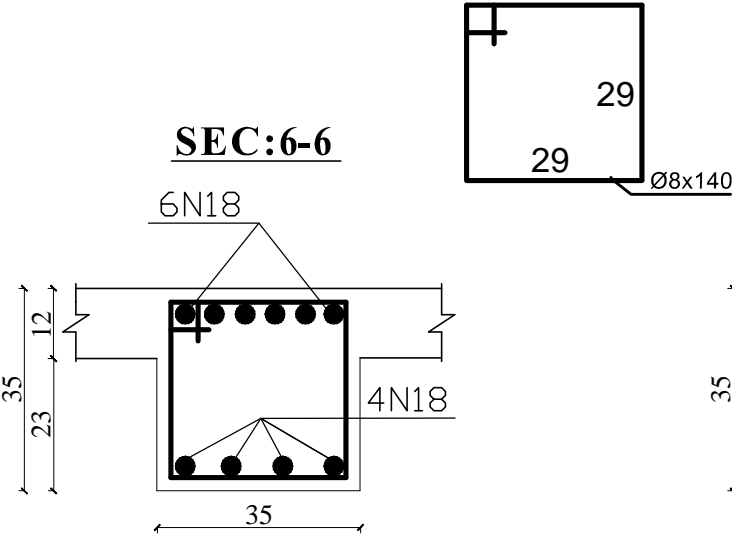
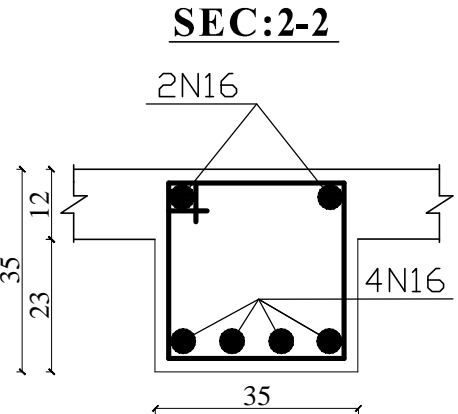
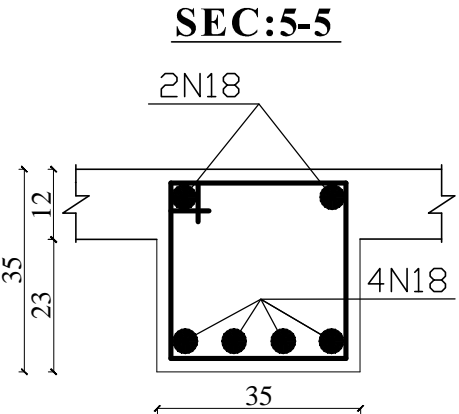
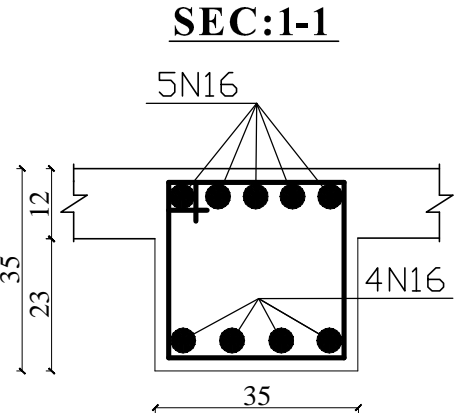
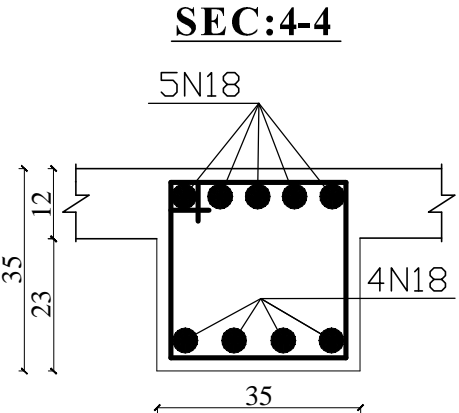
STANDARD SCHOOL DESIGN
IN AFGHANISTAN

R.C.C/DESIGN	ENG.HEDAYATULAH	APPROVED:Doc/Moe	ENG.AB.MOMEN. RAD	DRAWING TYPE
CHECKED BY	ENG.M.RAHIM	SCALE	AS SHOWN (A3)	SHEET No
TECH- APPROVED BY	ENG.AB.MATIN MAQOL	DATE	8-Jan-2013	

STRUCTURAL
13 25

PROJECT NAME	12 CLASSROOM SCHOOL WITH COMPUTER AND LABRATORY CLASS RCC.IRON SHEET
DRAWING TITLE	FIRST FLOOR REINFORCEMENT PLAN AT LEVEL+600

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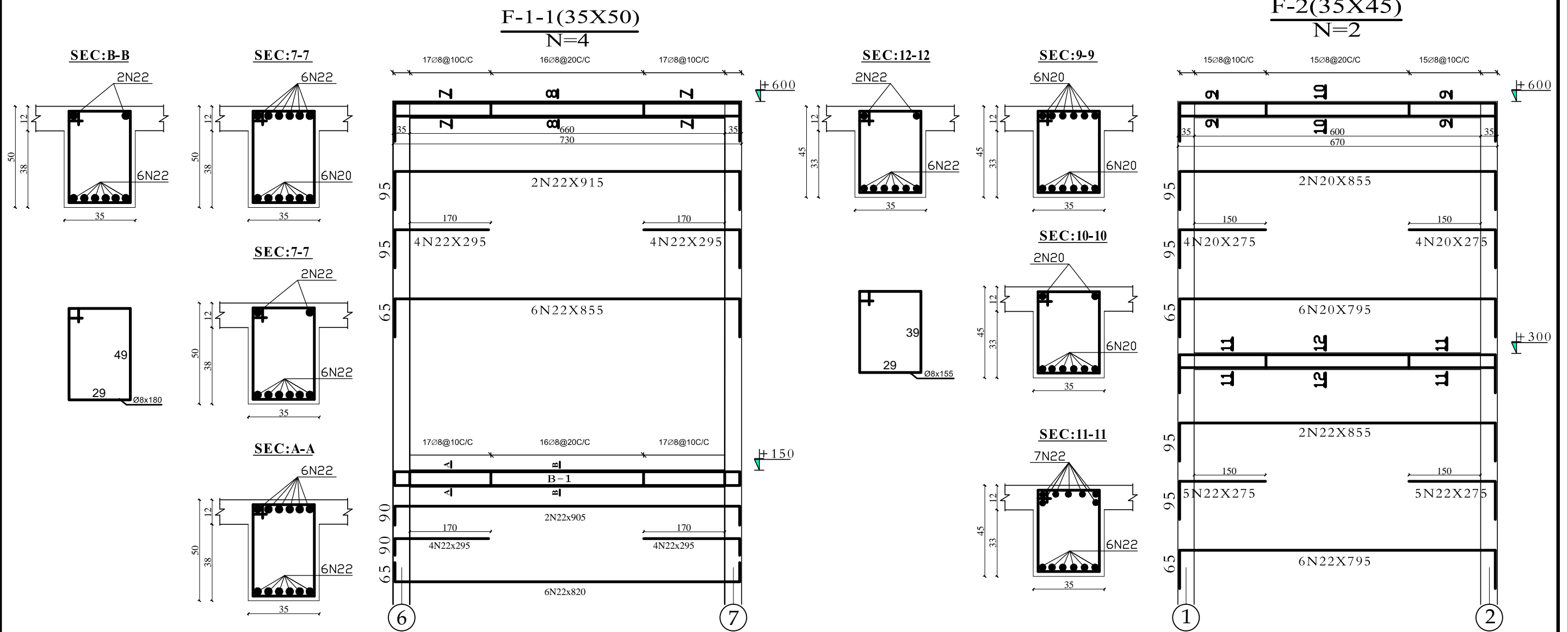


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STANDARD SCHOOL DESIGN
IN AFGHANISTAN

R.C.C/DESIGN	ENG.HEDAYATULAH	APPROVED:Doc/Moe	ENG.AB.MOMEN. RAD	DRAWING TYPE	STRUCTURAL	PROJECT NAME	12 CLASSROOM SCHOOL WITH COMPUTER AND LABRATORY CLASS RCC.IRON SHEET
CHECKED BY	ENG.M.RAHIM	SCALE	AS SHOWN (A3)	SHEET No	14 25	DRAWING TITLE	(FRAME-1)
TECH- APPROVED BY	ENG.AB.MATIN MAQOL	DATE	8-Jan-2013				



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DEPARTMENT OF CONTRACTION



STANDARD SCHOOL DESIGN
IN AFGHANISTAN

R.C.C/DESIGN	ENG.HEDAYATULAH	APPROVED:Doc/Moe	ENG.AB.MOMEN. RAD
CHECKED BY	ENG.M.RAHIM	SCALE	AS SHOWN (A3)
TECH- APPROVED BY	ENG.AB.MATIN MAQOL	DATE	8-Jan-2013

DRAWING TYPE	STRUCTURAL
SHEET No	15 25

PROJECT NAME

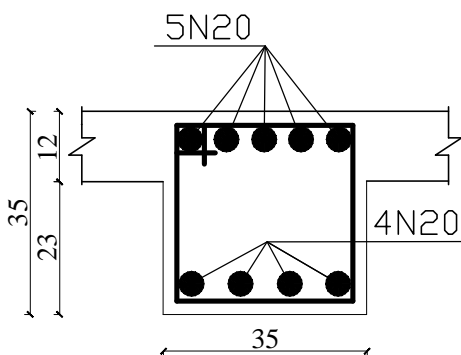
12 CLASSROOM SCHOOL WITH COMPUTER AND
LABRATORY CLASS RCC.IRON SHEET

DRAWING TITLE

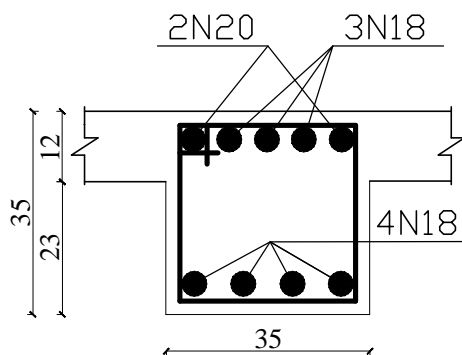
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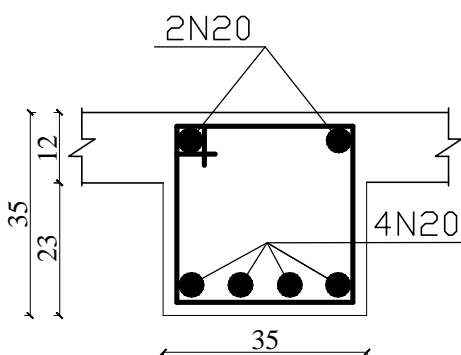
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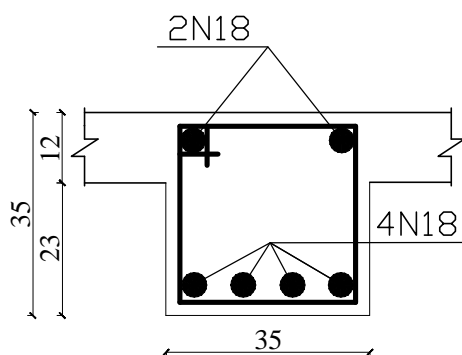
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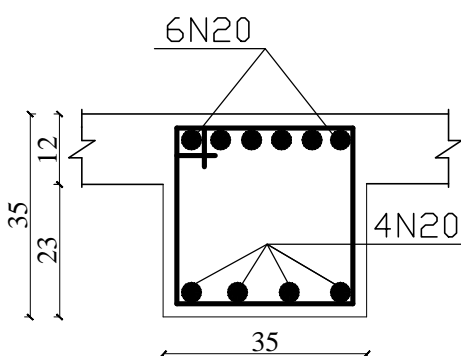
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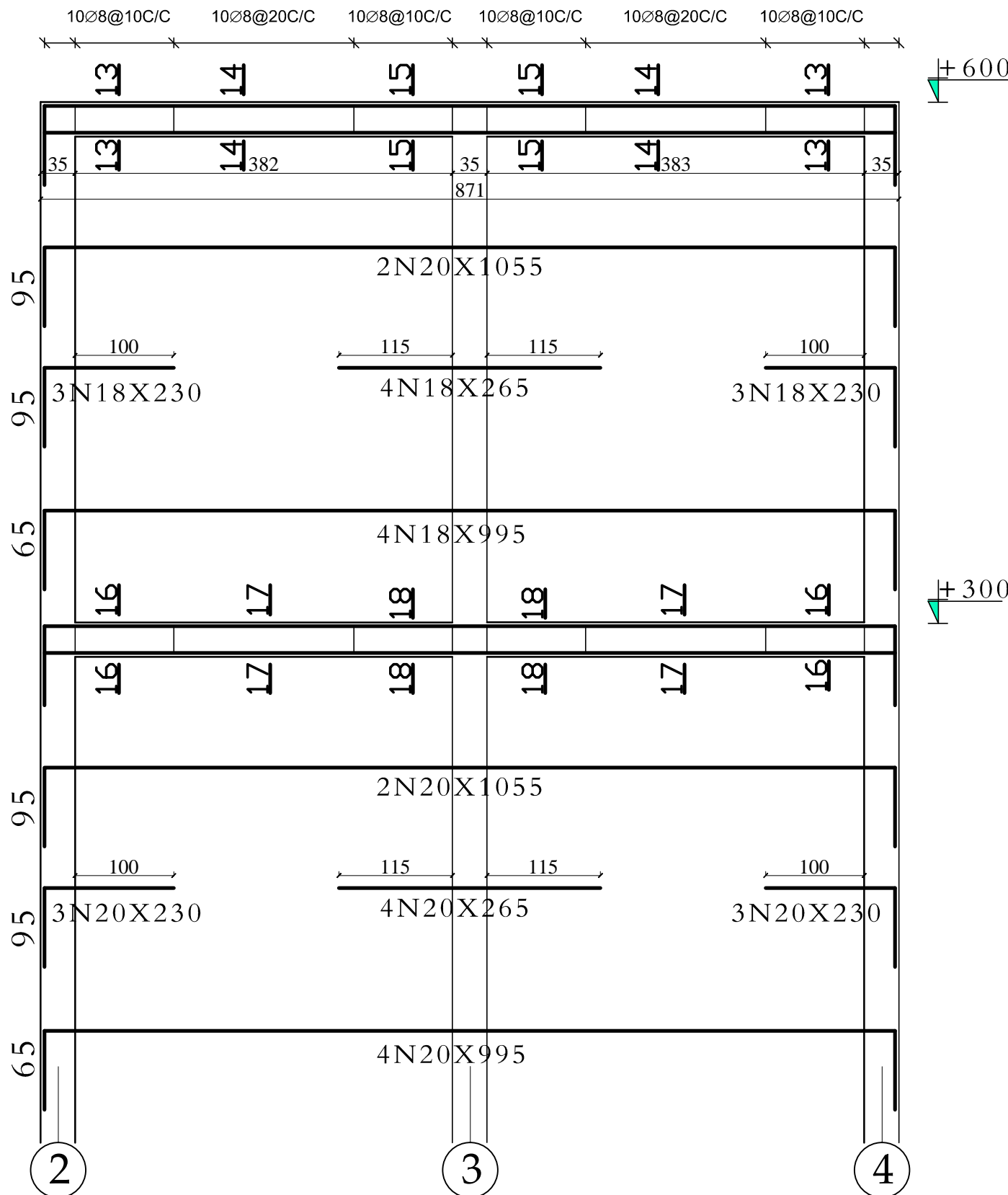
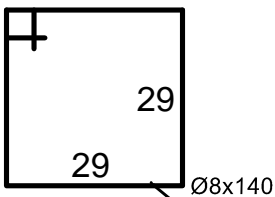
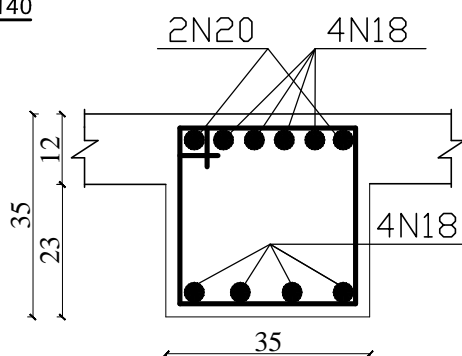
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SEC:18-18



SEC:15-15



MINISTRY OF EDUCATION
DEPARTMENT OF CONTRACTION



STANDARD SCHOOL DESIGN
IN AFGHANISTAN

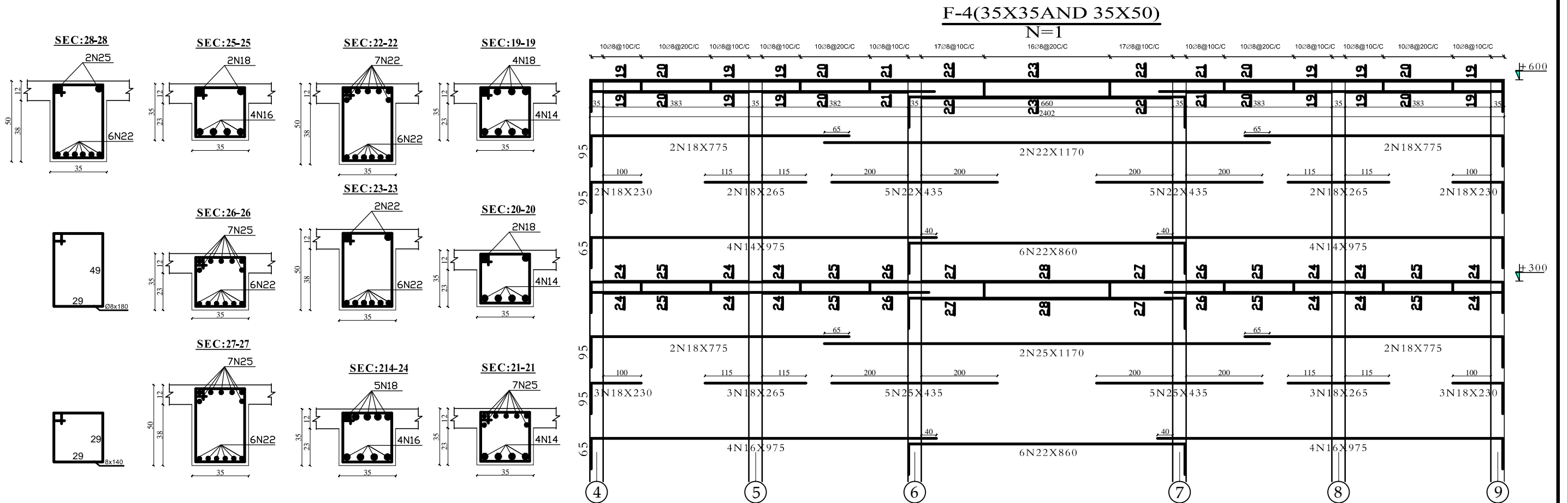
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CHECKED BY	ENG.M.RAHIM	SCALE	AS SHOWN (A3)	SHEET No	16 25
TECH- APPROVED BY	ENG.AB.MATIN MAQOL	DATE	8-Jan-2013		

PROJECT NAME

12 CLASSROOM SCHOOL WITH COMPUTER AND
LABRATORY CLASS RCC.IRON SHEET

DRAWING TITLE

(FRAME-3)



MINISTRY OF EDUCATION
DEPARTMENT OF CONTRACTION



STANDARD SCHOOL DESIGN
IN AFGHANISTAN

R.C.C/DESIGN	ENG.HEDAYATULAH	APPROVED:Doc/Moe	ENG.AB.MOMEN. RAD	DRAWING TYPE	STRUCTURAL
CHECKED BY	ENG.M.RAHIM	SCALE	AS SHOWN (A3)	SHEET No	17 25
TECH- APPROVED BY	ENG.AB.MATIN MAQOL	DATE	8-Jan-2013		

PROJECT NAME

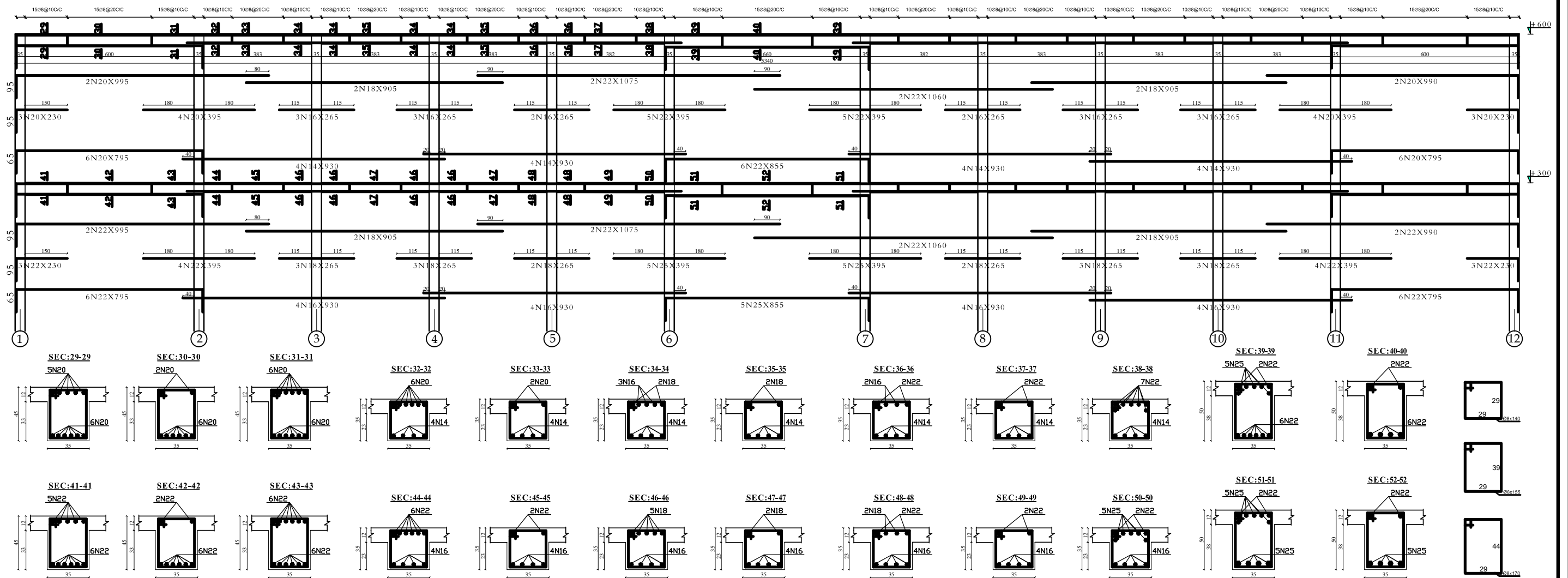
12 CLASSROOM SCHOOL WITH COMPUTER AND
LABRATORY CLASS RCC.IRON SHEET

DRAWING TITLE

FOUNDATION SECTION

F-5(35X35,35X45AND35X50)


N=1



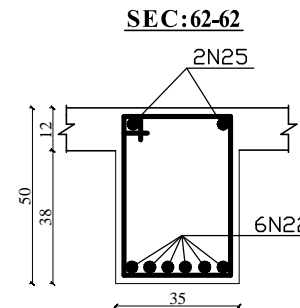
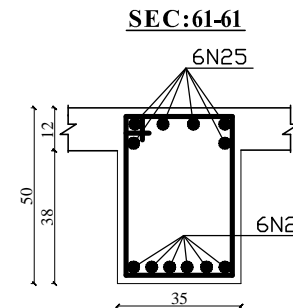
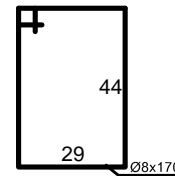
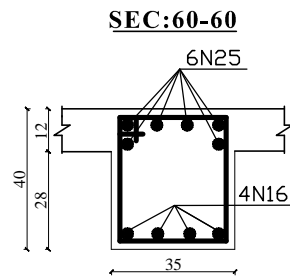
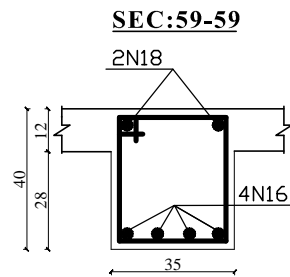
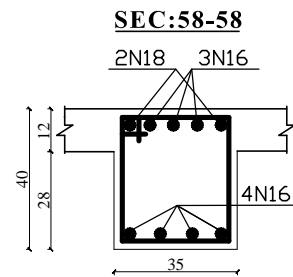
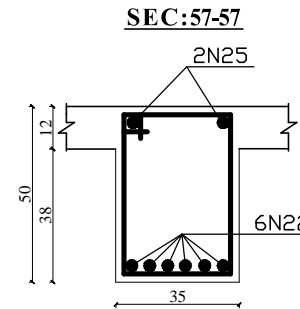
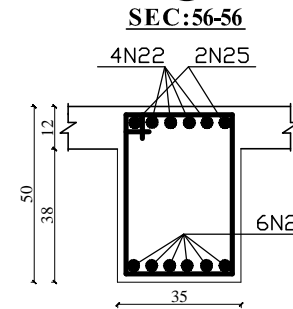
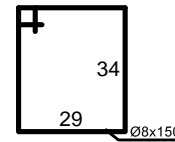
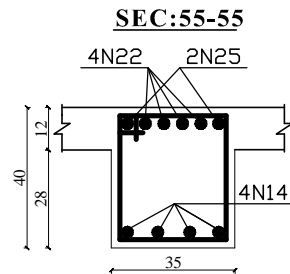
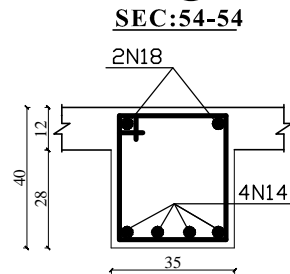
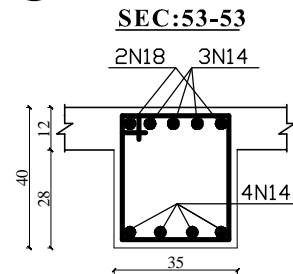
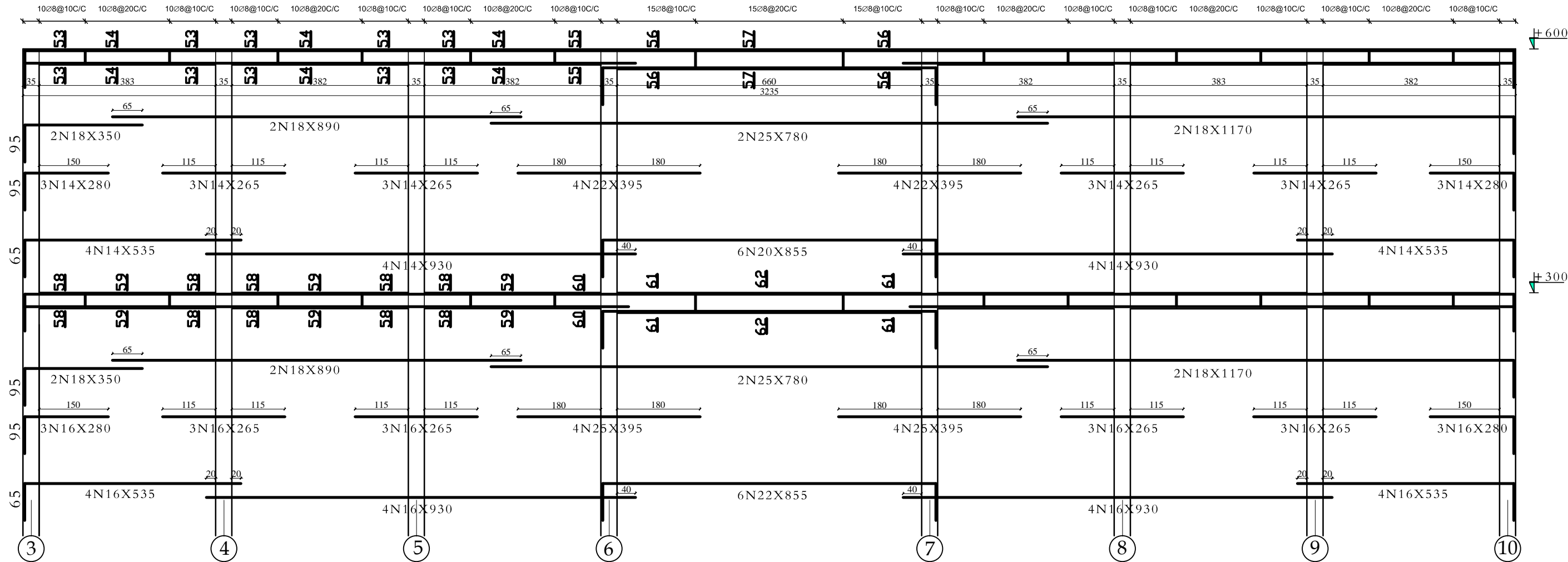
MINISTRY OF EDUCATION
DEPARTMENT OF CONTRACTION



STANDARD SCHOOL DESIGN IN AFGHANISTAN

R.C.C/DESIGN	ENG.HEDAYATULAH	APPROVED:Doc/Moe	ENG.AB.MOMEN. RAD	DRAWING TYPE	STRUCTURAL	PROJECT NAME	12 CLASSROOM SCHOOL WITH COMPUTER AND LABRATORY CLASS RCC.IRON SHEET
CHECKED BY	ENG.M.RAHIM	SCALE	AS SHOWN (A3)	SHEET No		DRAWING TITLE	(FRAME-5)
TECH- APPROVED BY	ENG.AB.MATIN MAQOL	DATE	8-Jan-2013				

F-6(35X40AND35X50)
N=1



MINISTRY OF EDUCATION
DEPARTMENT OF CONTRACTION



STANDARD SCHOOL DESIGN
IN AFGHANISTAN

R.C./DESIGN	ENG.HEDAYATULAH	APPROVED:Doc/Moe	ENG.AB.MOMEN. RAD	DRAWING TYPE
CHECKED BY	ENG.M.RAHIM	SCALE	AS SHOWN (A3)	SHEET No
TECH- APPROVED BY	ENG.AB.MATIN MAQOL	DATE	8-Jan-2013	

STRUCTURAL
19 25

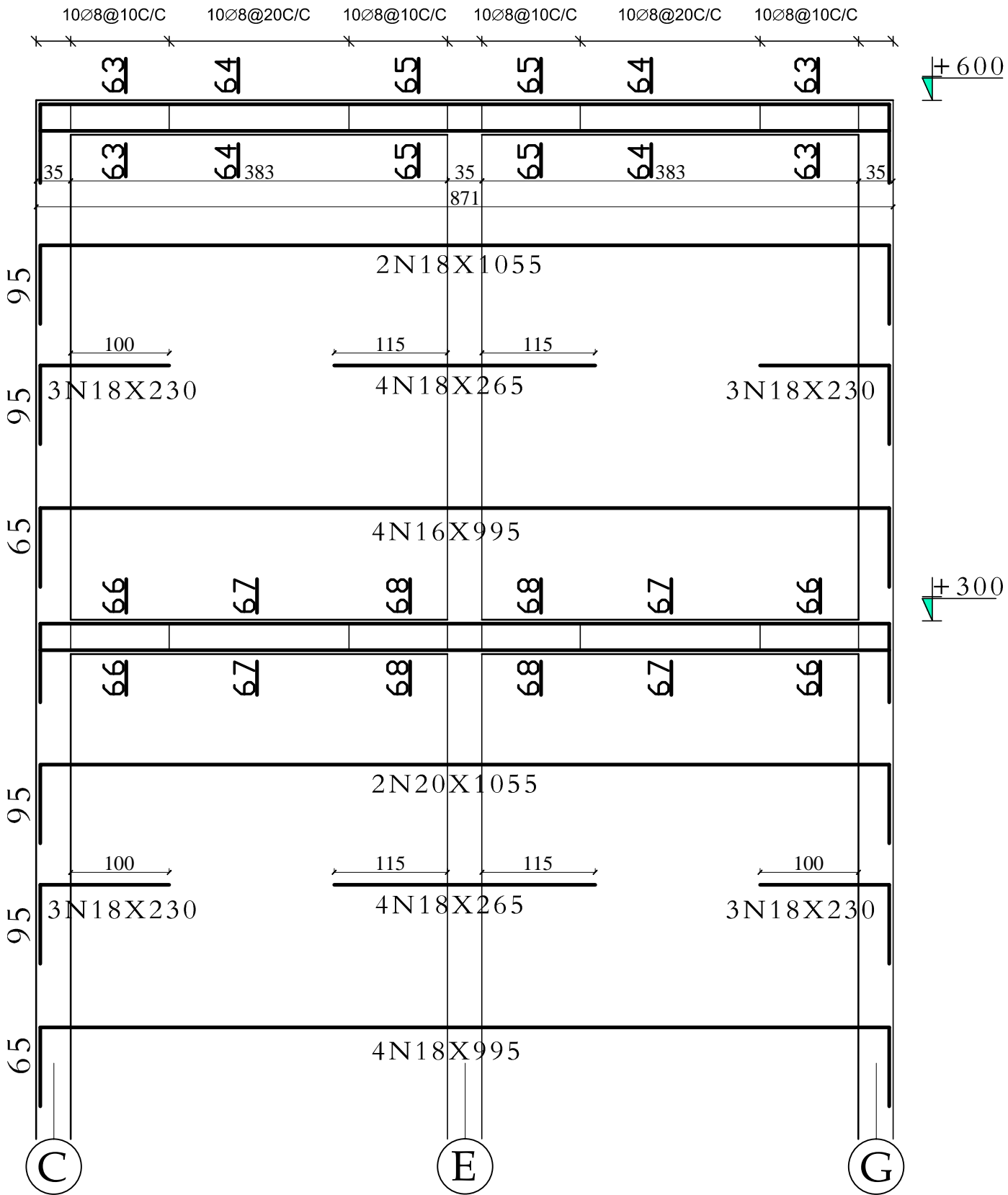
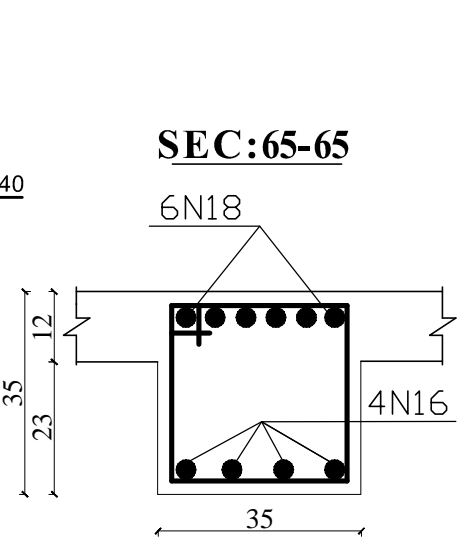
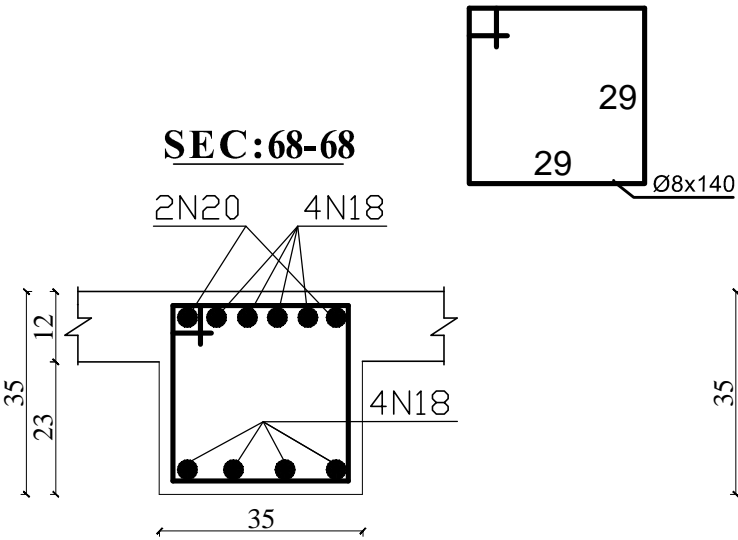
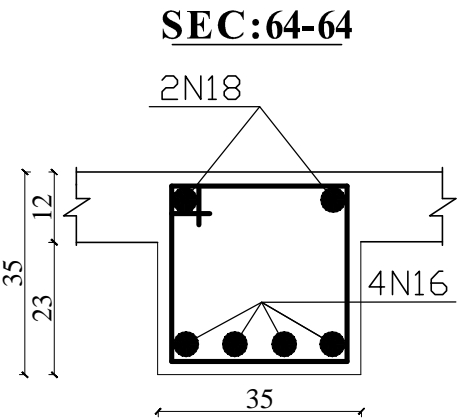
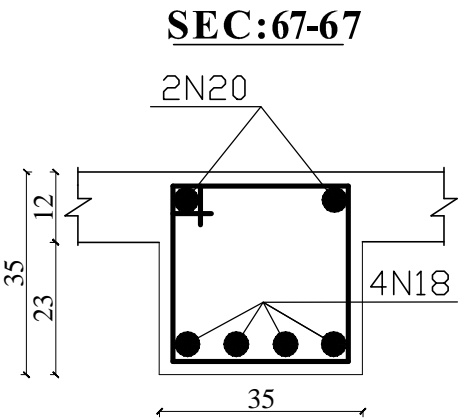
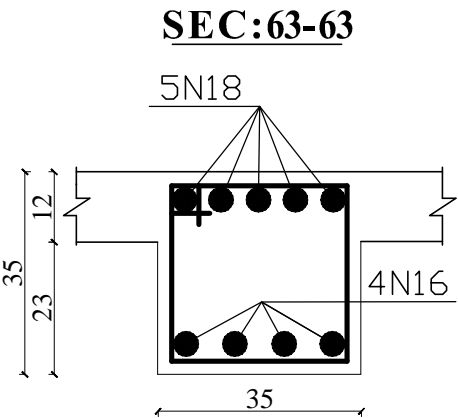
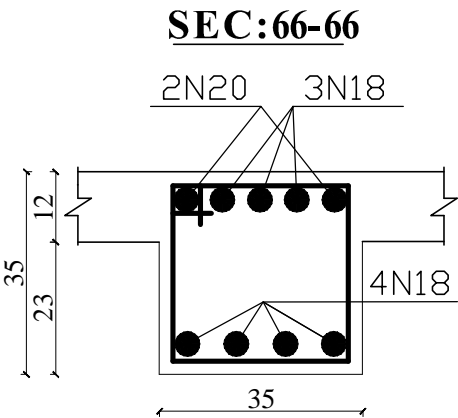
PROJECT NAME

12 CLASSROOM SCHOOL WITH COMPUTER AND
LABORATORY CLASS RCC.IRON SHEET

DRAWING TITLE

(FRAME-6)

F-7(35X35)
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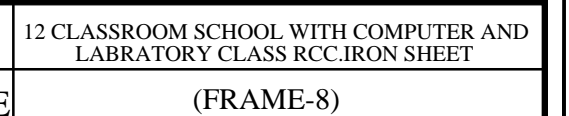
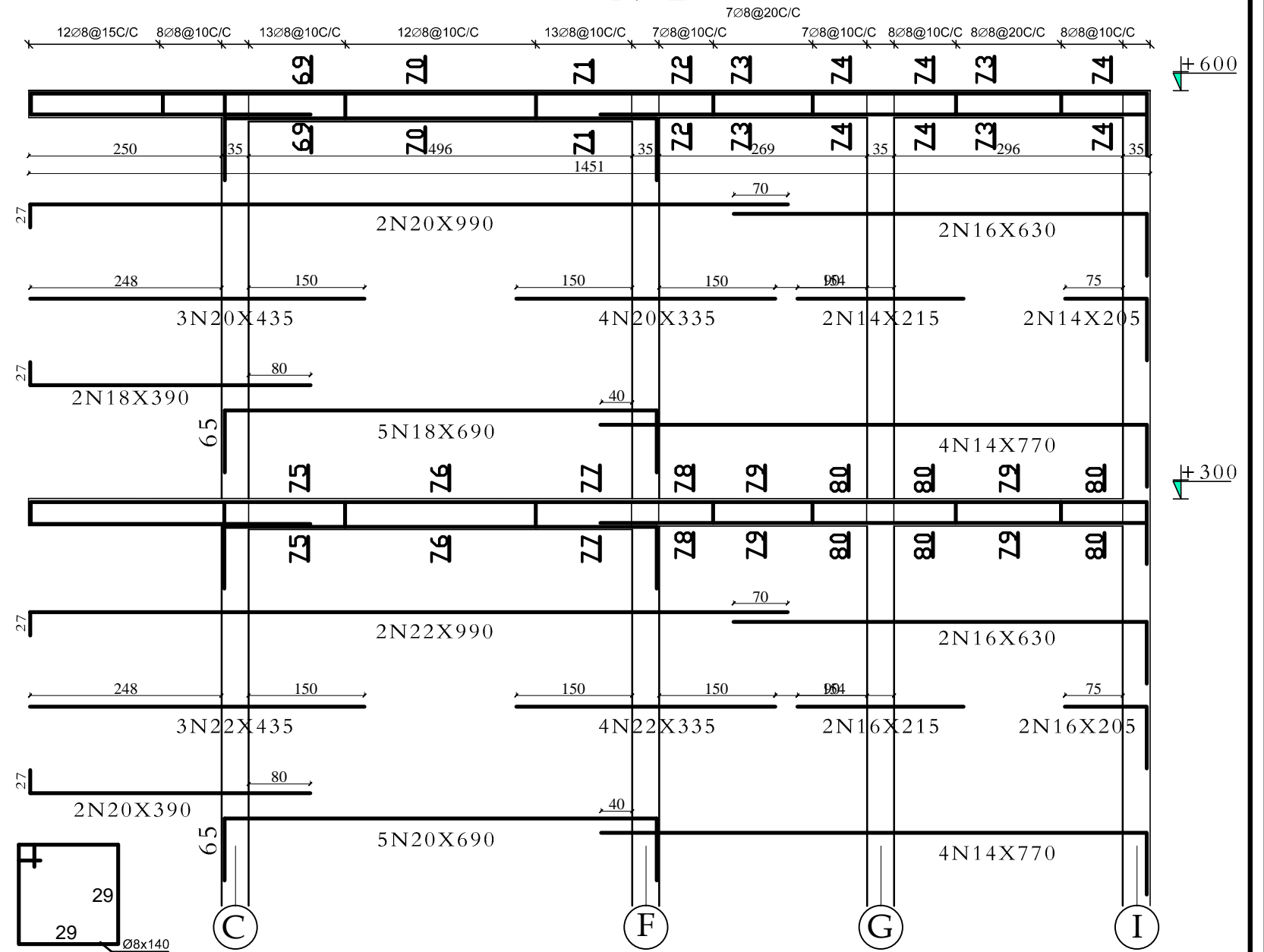
MINISTRY OF EDUCATION
DEPARTMENT OF CONTRACTION

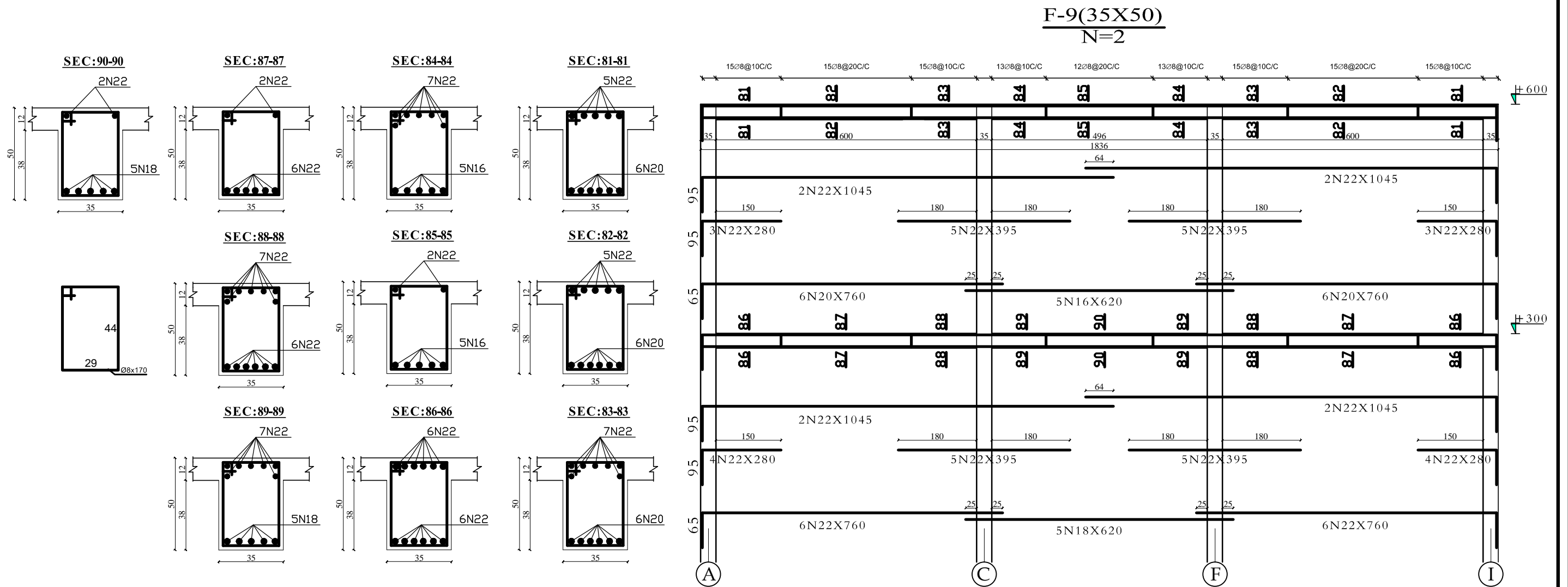


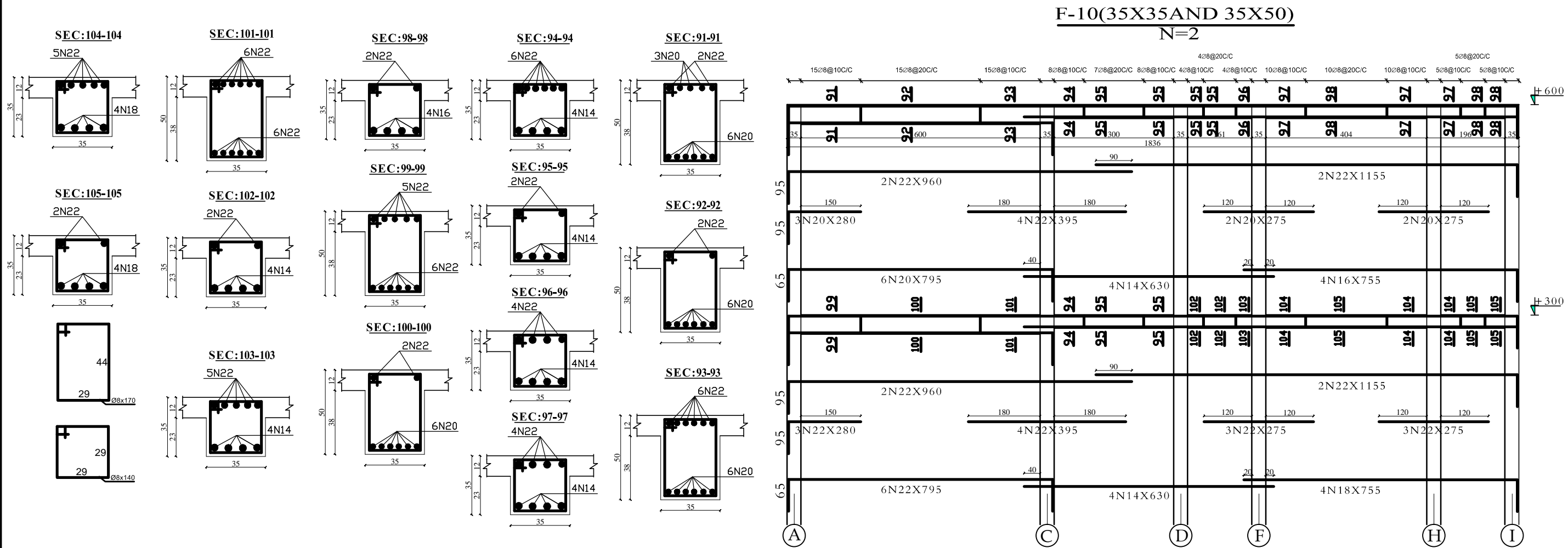
STANDARD SCHOOL DESIGN
IN AFGHANISTAN

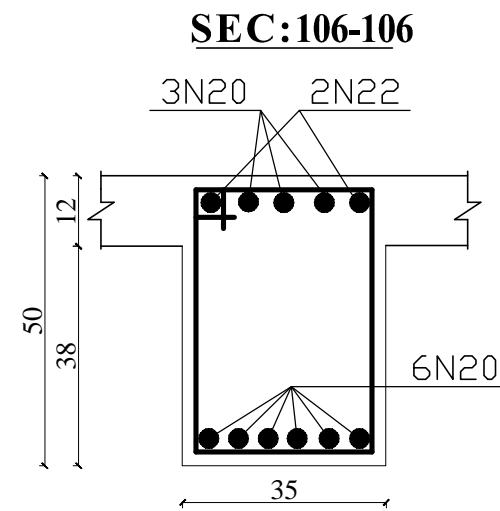
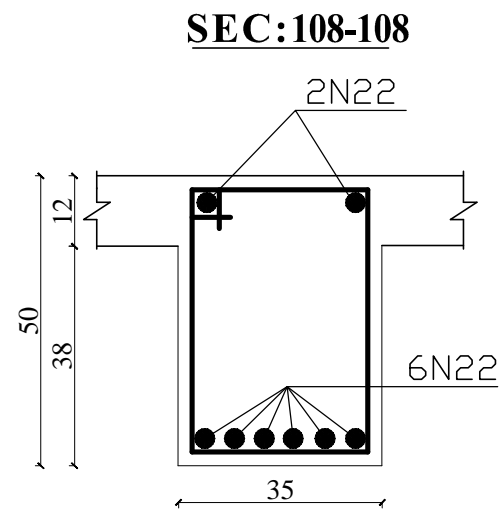
R.C.C/DESIGN	ENG.HEDAYATULAH	APPROVED:Doc/Moe	ENG.AB.MOMEN. RAD	DRAWING TYPE	STRUCTURAL	PROJECT NAME	12 CLASSROOM SCHOOL WITH COMPUTER AND LABRATORY CLASS RCC.IRON SHEET
CHECKED BY	ENG.M.RAHIM	SCALE	AS SHOWN (A3)	SHEET No	20 25	DRAWING TITLE	(FRAME-7)
TECH- APPROVED BY	ENG.AB.MATIN MAQOL	DATE	8-Jan-2013				

N=2

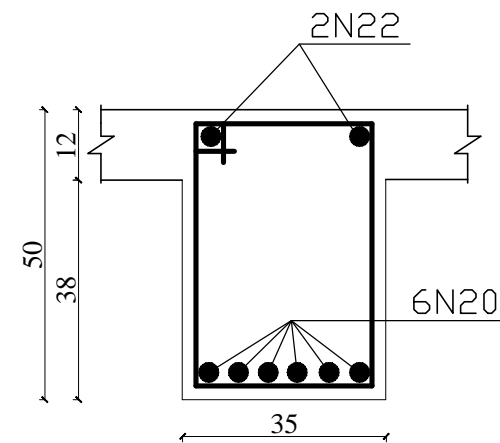




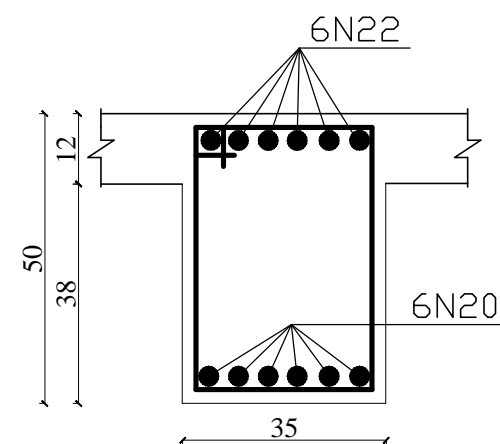




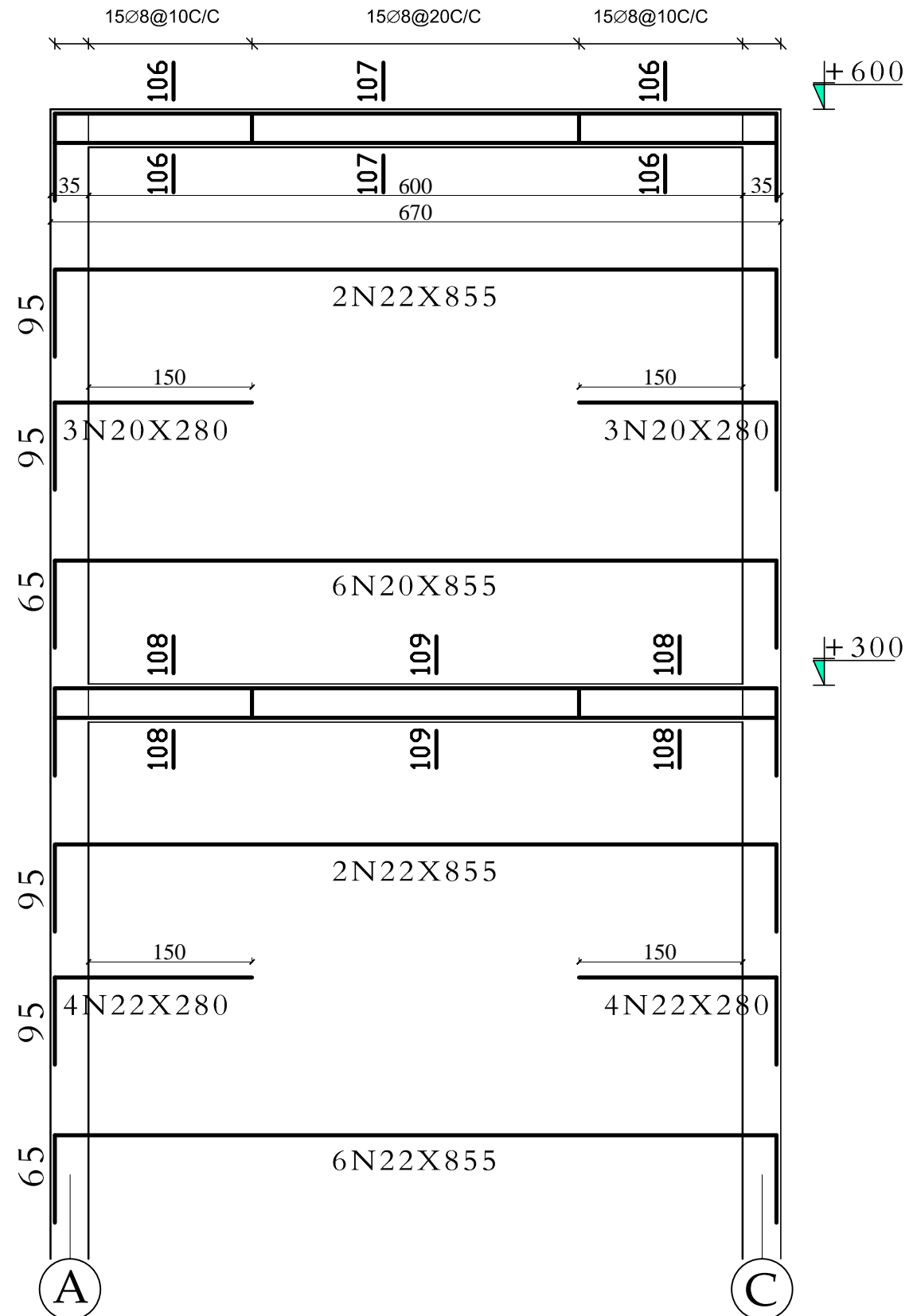
SEC:107-107



SEC:107-107



F-11(35X50)
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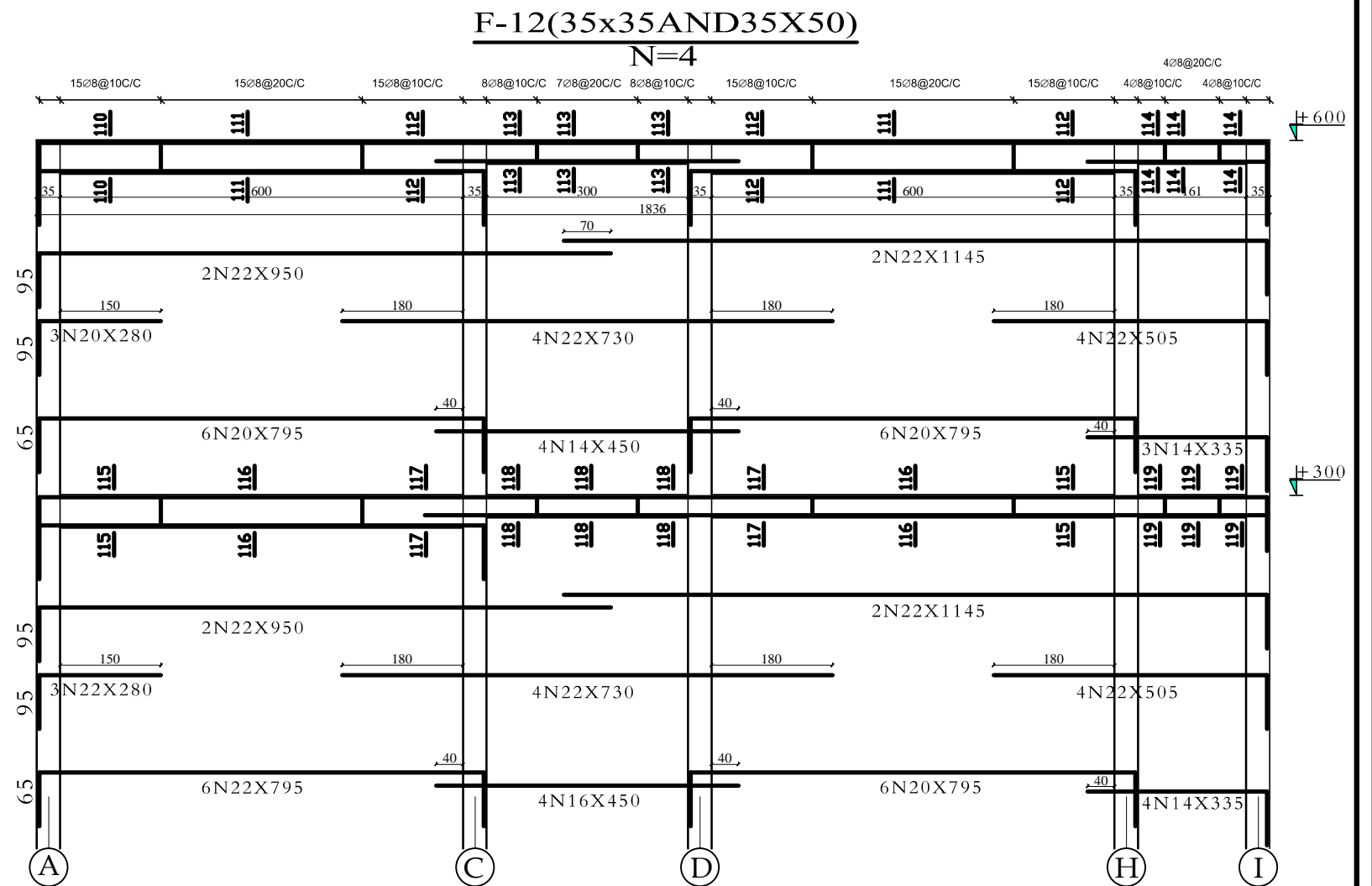
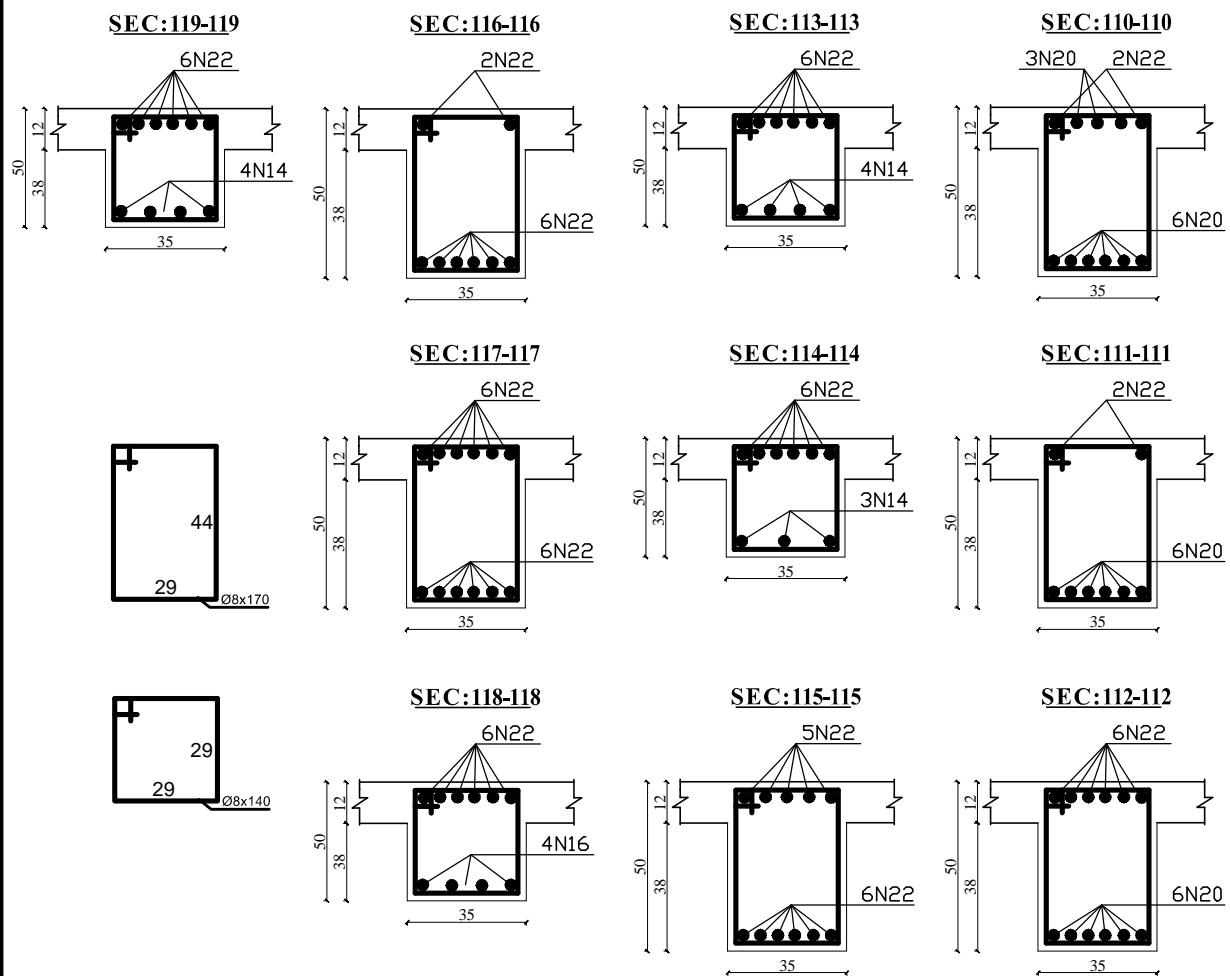


MINISTRY OF EDUCATION
DEPARTMENT OF CONTRACTION



STANDARD SCHOOL DESIGN
IN AFGHANISTAN

R.C.C/DESIGN	ENG.HEDAYATULAH	APPROVED:Doc/Moe	ENG.AB.MOMEN. RAD	DRAWINGTYPE	STRUCTURAL	PROJECT NAME	12 CLASSROOM SCHOOL WITH COMPUTER AND LABRATORY CLASS RCC.IRON SHEET
CHECKED BY	ENG.M.RAHIM	SCALE	AS SHOWN (A3)	SHEET No	24 25	DRAWING TITLE	(FRAME-12)
TECH- APPROVED BY	ENG.AB.MATIN MAQOL	DATE	8-Jan-2013				



MINISTRY OF EDUCATION
DEPARTMENT OF CONTRACTION



STANDARD SCHOOL DESIGN
IN AFGHANISTAN

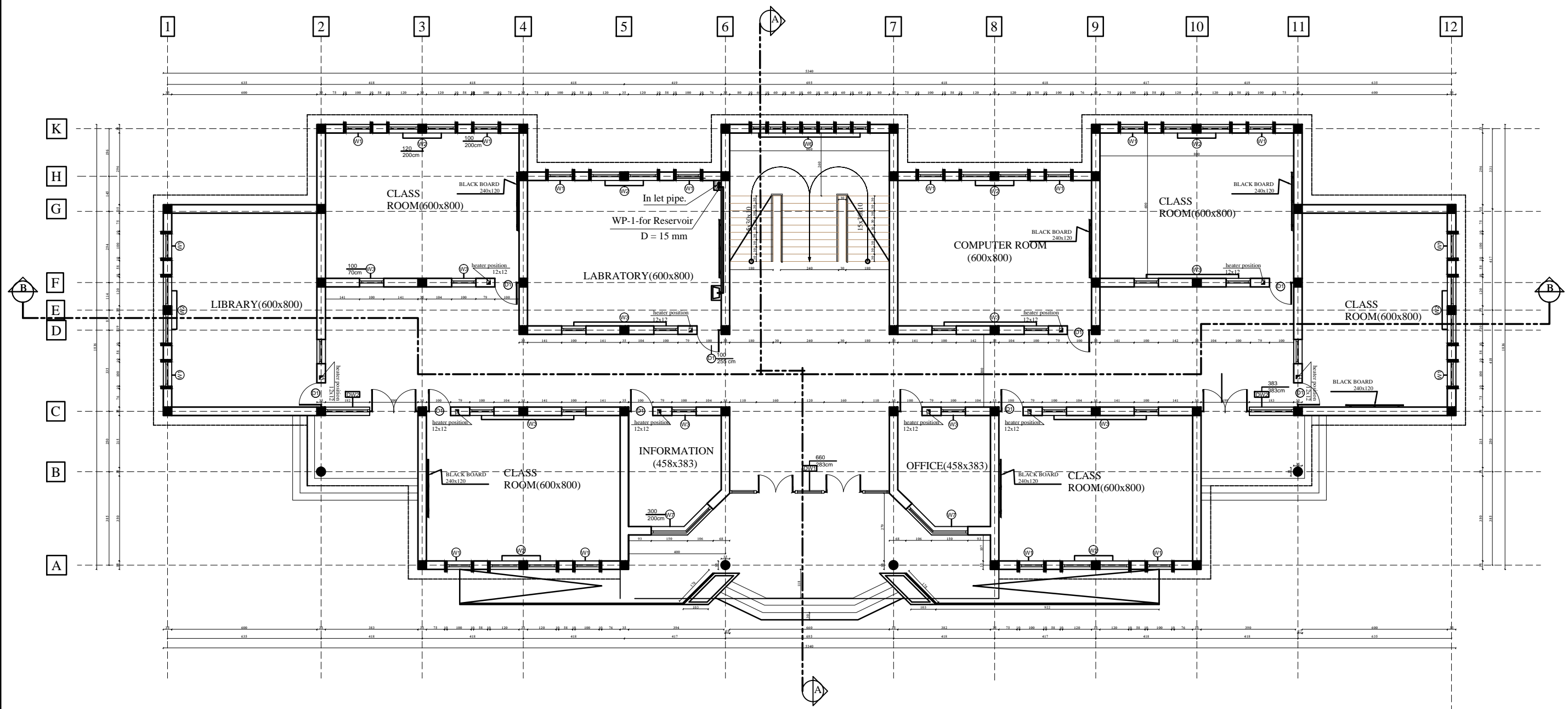
R.C.C/DESIGN	ENG.HEDAYATULAH	APPROVED:Doc/Moe	ENG.AB.MOMEN. RAD	DRAWING TYPE	STRUCTURAL
CHECKED BY	ENG.M.RAHIM	SCALE	AS SHOWN (A3)	SHEET No	25 25
TECH- APPROVED BY	ENG.AB.MATIN MAQOL	DATE	8-Jan-2013		

PROJECT NAME

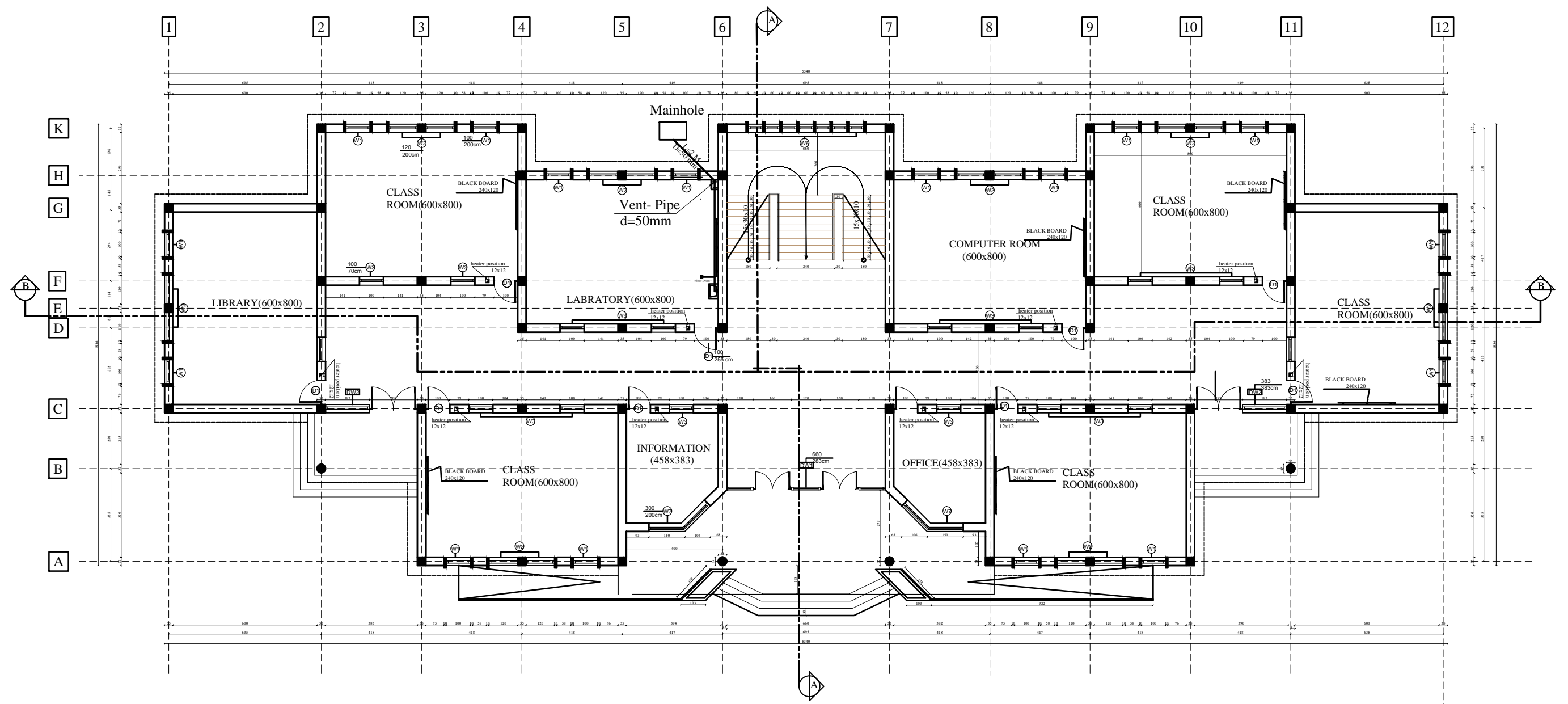
12 CLASSROOM SCHOOL WITH COMPUTER AND
LABRATORY CLASS RCC.IRON SHEET

DRAWING TITLE

(FRAME-12)



water supply plan



canalization plan.

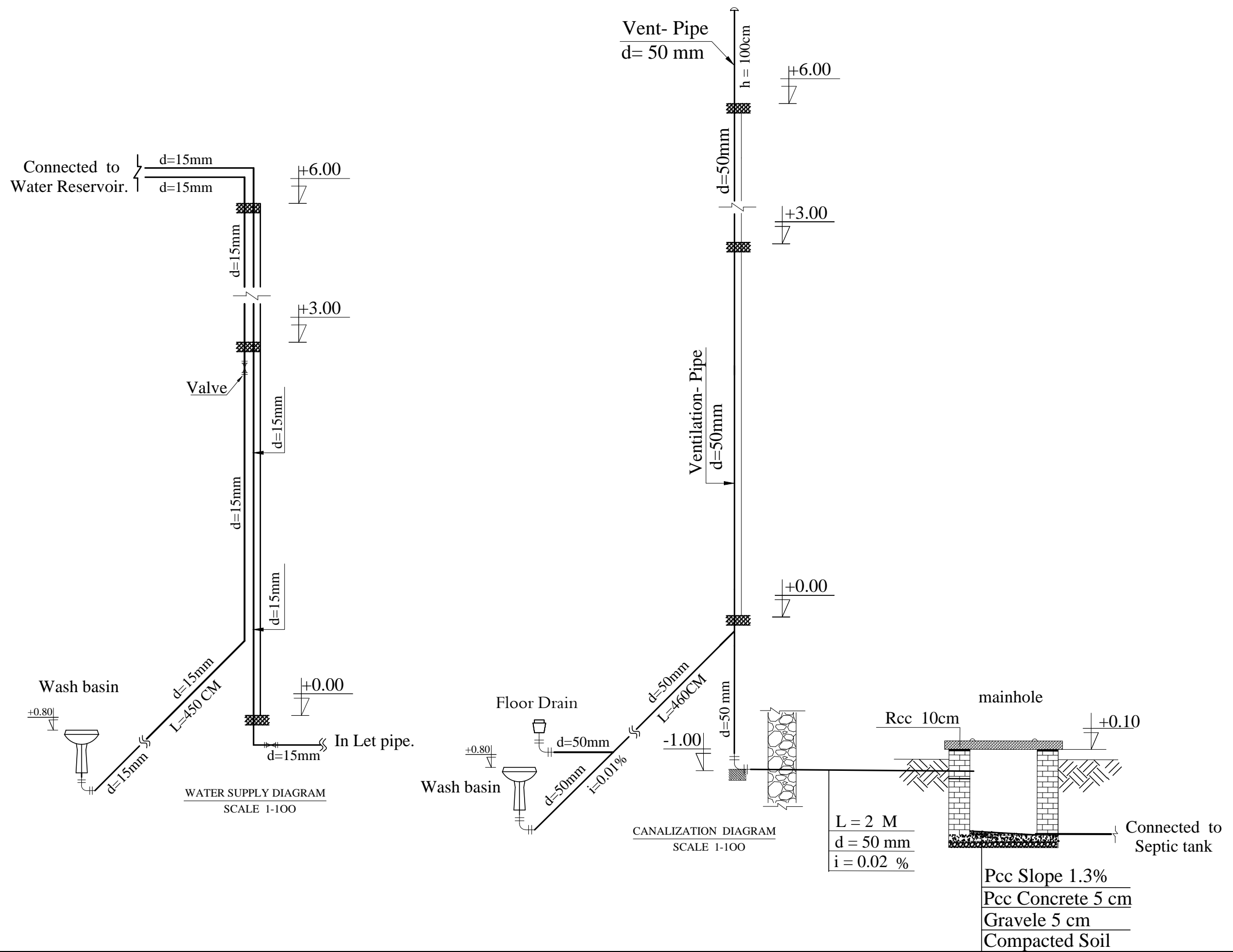


MINISTRY OF EDUCATION
DEPARTMENT OF CONSTRUCTION



STANDARD SCHOOL DESIGN
IN AFGHANISTAN

Water supply/Design.	Eng.Huma Sadat .	APPROVED: Doc/Moe	ENG.AB MOMEN RAD	DRAWING No	2 4	PROJECT NAME	12 CLASSROOM SCHOOL WITH COMPUTER AND LABRATORY CLASS RCC.IRON SHEET
CHEEKED BY	Eng . Mohammad Rahim .	SCALE	AS SHOWN (A3)	SHEET No		DRAWING TITLE	Plan of Canalization.
TECH- APPROVED BY	ENG.AB.MATIN MAQOL	DATE	15-12-2012				

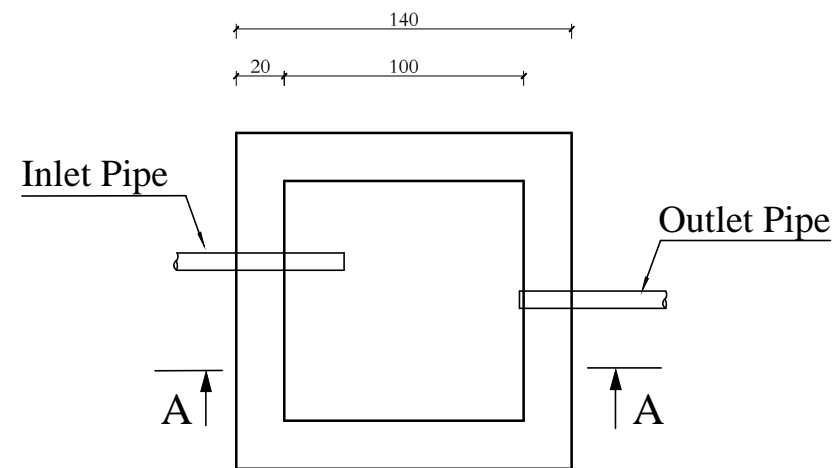


MINISTRY OF EDUCATION
DEPARTMENT OF CONSTRUCTION

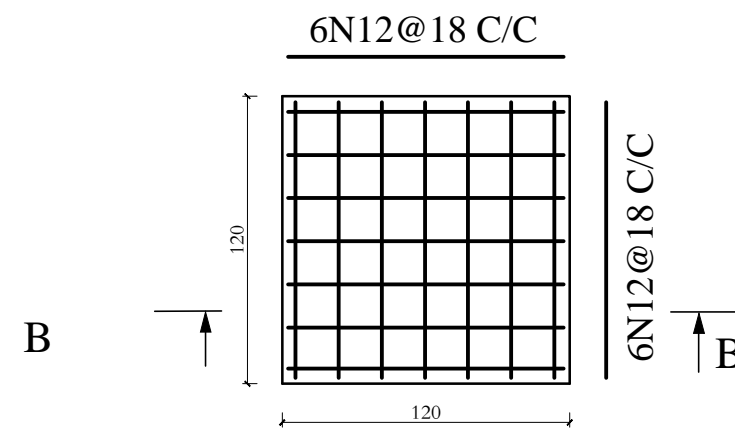


STANDARD SCHOOL DESIGN
IN AFGHANISTAN

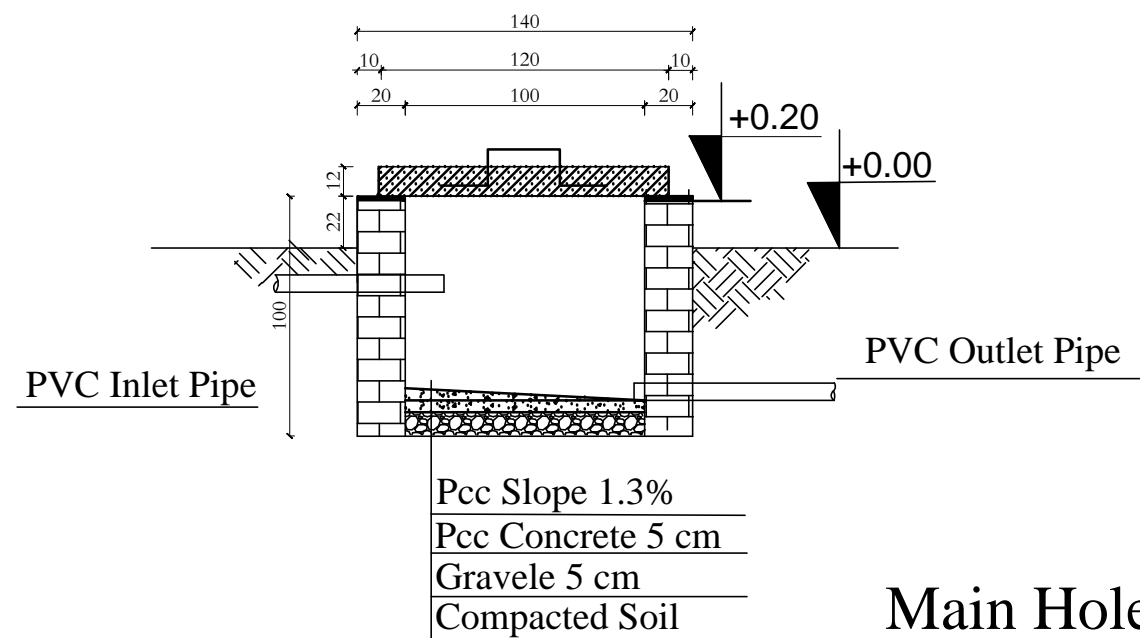
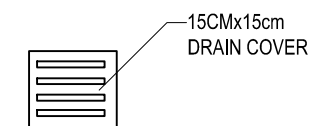
Water supply/Design.	Eng.Huma Sadat .	APPROVED: Doc/Moe	ENG.AB MOMEN RAD	DRAWING No		PROJECT NAME	12 CLASSROOM SCHOOL WITH COMPUTER AND LABRATORY CLASS RCC.IRON SHEET
CHEEKED BY	Eng . Mohammad Rahim.	SCALE	AS SHOWN (A3)	SHEET No	3	DRAWING TITLE	Diagram of water supply and canalization.
TECH- APPROVED BY	ENG.AB.MATIN MAQOL	DATE	15-12-2012		4		



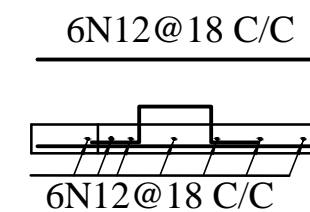
Plan Manhol
Scale 1:100



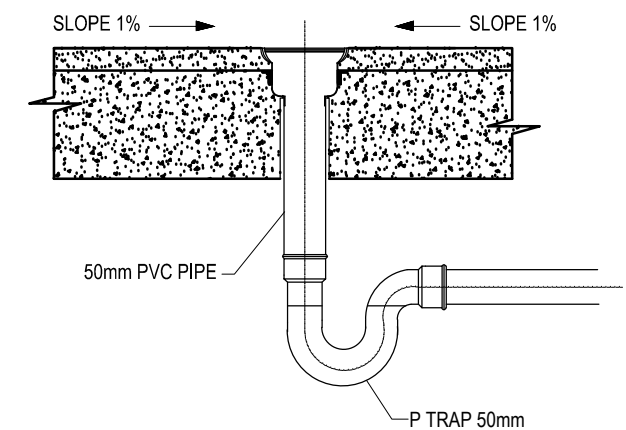
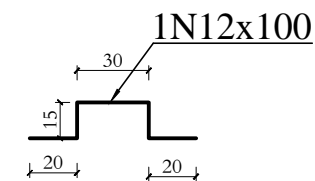
Reinforcement Slab



Main Hole detaile



Section B-B



TYPICAL FLOOR DRAIN DETAIL
SEC-N



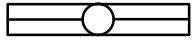

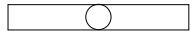





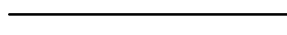
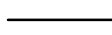

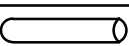


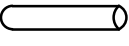




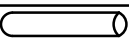


MINISTRY OF EDUCATION
DEPARTMENT OF CONSTRUCTION



STANDARD SCHOOL DESIGN
IN AFGHANISTAN


Water supply/Design.	Eng.Huma Sadat .	APPROVED: Doc/Moe	ENG.AB MOMEN RAD	DRAWING No		PROJECT NAME	12 CLASSROOM SCHOOL WITH COMPUTER AND LABRATORY CLASS RCC.IRON SHEET
CHEEKED BY	Eng . Mohammad Rahim.	SCALE	AS SHOWN (A3)	SHEET No	4	DRAWING TITLE	Main hole detaile.
TECH- APPROVED BY	ENG.AB.MATIN MAQOL	DATE	15-12-2012		4		

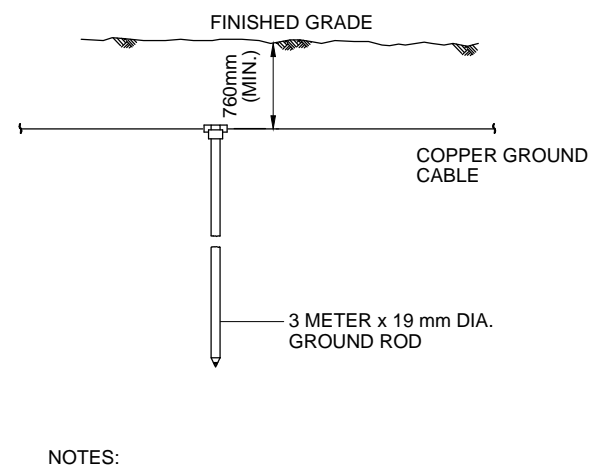
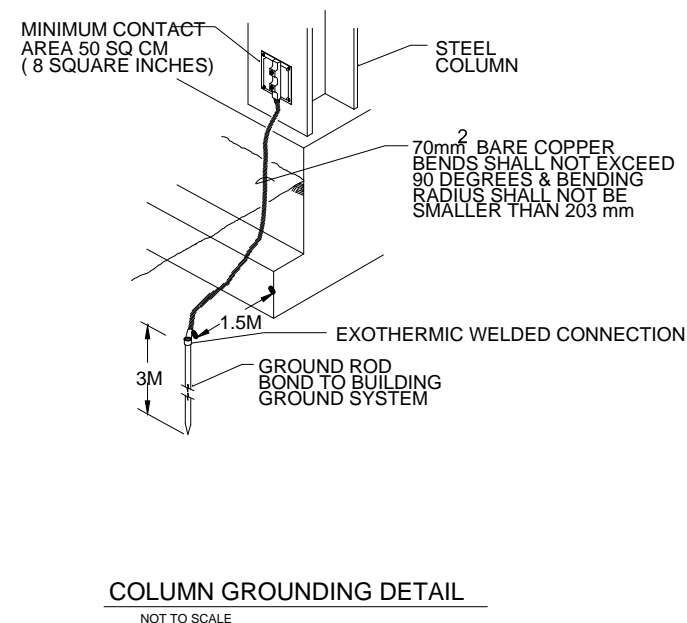
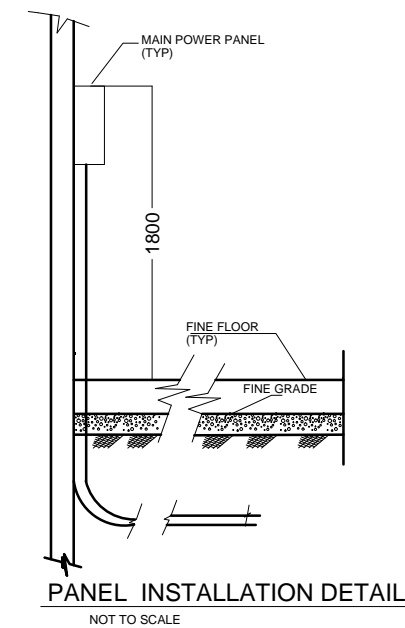
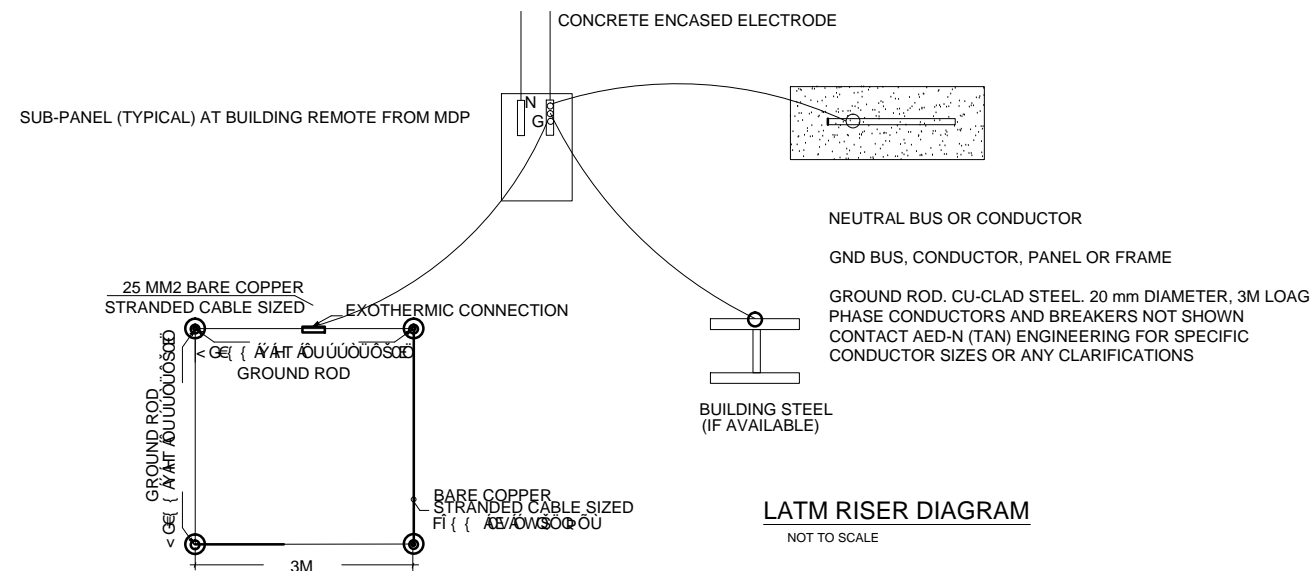
SPECIFICATION OF ELECTRICAL EQUIPMENT FOR TWO FLOOR

NO.	DESCRIPTION	SIGNS	UNIT	PIECES	REMARKS
1	FLUORESCENT LIGHT FIXTURE 2x36W, 50Hz, 220V		Nº	70	
2	CEILING MOUNTED FLUORESCENT 1x24W		Nº	6	
3	FLUORESCENT LIGHT FIXTURE 1x40W, 50Hz, 220V		Nº	31	
4	TWO POLE SWITCH UNDER PLASTER 10 AMP, 1PH		Nº	21	
5	TWO WAY SWITCHES		Nº	14	
6	SINGLE POLE SWITCH UNDER PLASTER, 10AMP, 1PH		Nº	8	
7	SOCKET OUTLET - SINGLE PHASE		Nº	67	
8	PANEL BOARD WITH 2X16AMP CB+RCBO, 10X20AMP CB+RCBO AND 1X40AMP MINE FUSE		Nº	2	All CB 16&20Amp+RCBO.
9	WIRE 1X2.5 mm for lighting.		M	1400	
10	WIRE 1X4mm ² for sockets.		M	1000	
11	WIRE 1(3x16)mm ² from mine panel to distribution panel.		M	14	
12	PVC CONDUIT 2 INCH FOR 1(3X16)MM ² WIRE.		M	14	
13	Cable 1x25 mm ² FOR GROUNDING		M	15	
14	CABLE 1x16mm ² FOR GROUNDING		M	12	
15	PVC CONDUIT 1 INCH		M	800	
16	PVC JOINT BOX		Nº	60	
17	GROUNDING ROD 3M LENGTH, Ø20MM		Nº	4	
18	MAIN DISTRIBUTION PANEL COMPLETE WITH 1X60 AMP MINE CB AND 3X35AMP FUSE.		M	1	
19	CABLE 1(2x25mm ²) FOR MINE LINE		M	50	If distance are more then 50m tack one size big.
20	PVC CONDUIT 3 INCH		M	50	
20	CHANGE OVER 3PHASE 40AMP GOOD QUALITY		Nº	1	
20	CHANGE OVER 1PHASE 40AMP GOOD QUALITY		Nº	1	

RCBO (Residual Circuit Breaker Over Current)

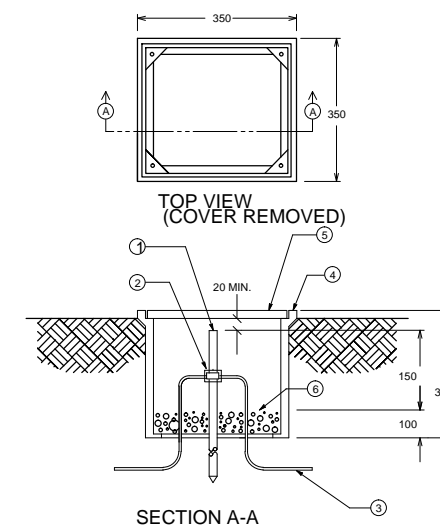


	MINISTRY OF EDUCATION DEPARTMENT OF CONTRACTION		STANDARD SCHOOL DESIGN IN AFGHANISTAN	ELECTRICAL /DESIGN	ENG FEROZ SADID	APPROVED:Doc/Moe	ENG.Ab.Mohmen Rad	DRAWING TYPE	ELECTRICAL	PROJECT NAME	12 CLASSROOM SCHOOL WITH COMPUTER AND LABRATORY CLASS RCC.IRON SHEET		
				CHECKED BY	ENG M RAHIM	SCALE	A3	SHEET No					
				TECH- APPROVED BY	ENG.AB.MATIN MAQOL	DATE	2013-02-09						
DRAWING TITLE										LEGEND			



BELOW GRADE GROUNDING ROD DETAIL

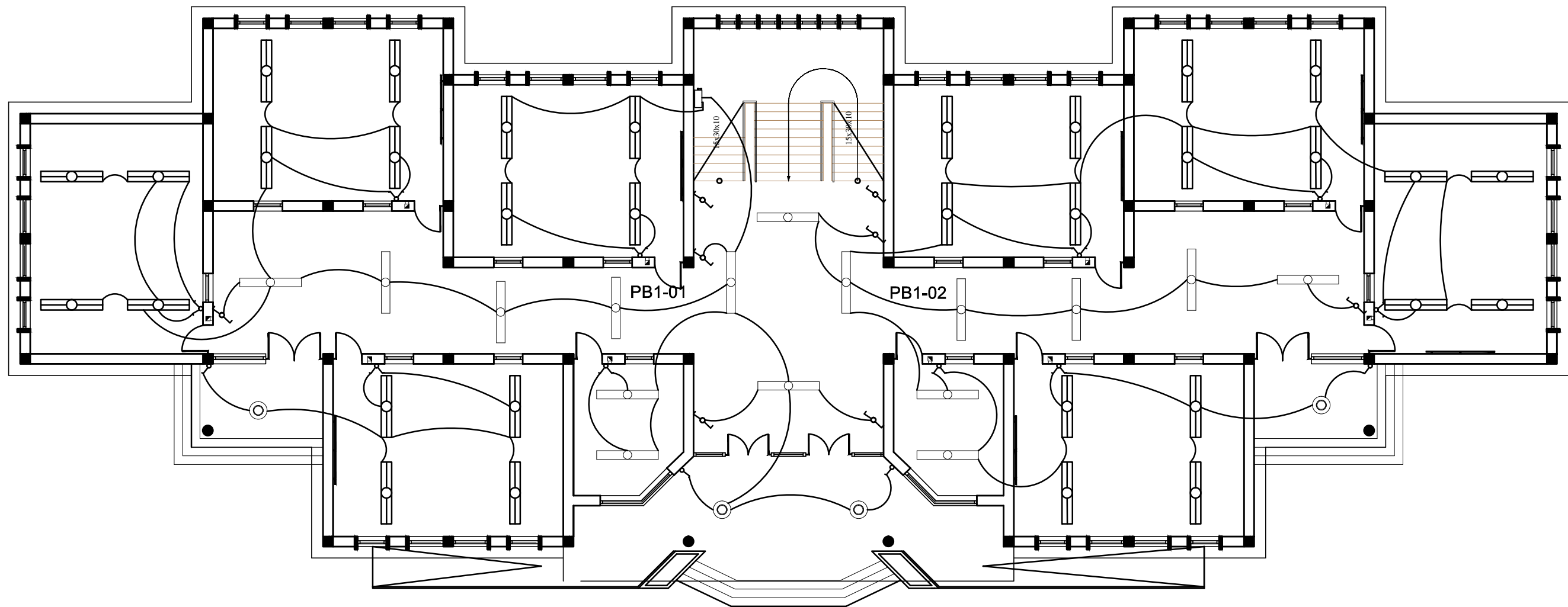
NOT TO SCALE



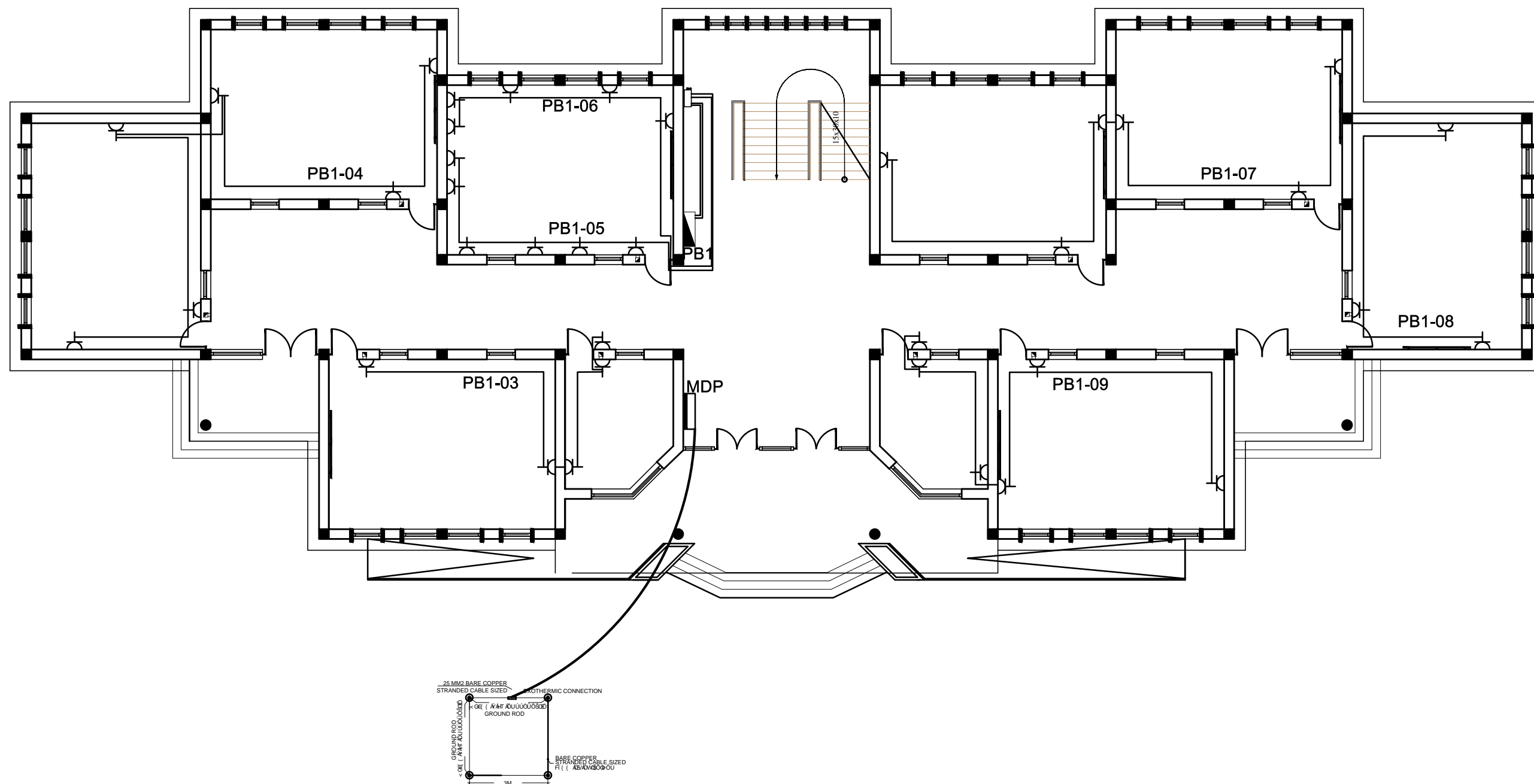
GROUND ROD ACCESS BOX INSTALLATION DETAIL

NOT TO SCALE

	MINISTRY OF EDUCATION DEPARTMENT OF CONTRACTION		STANDARD SCHOOL DESIGN IN AFGHANISTAN	ELECTRICAL /DESIGN ENG FEROZ SADID CHECKED BY ENG M RAHIM TECH- APPROVED BY ENG.AB.MATIN MAQOL	APPROVED:Doc/Moe SCALE DATE	ENG.Ab.Mohmen Rad A3 2013-02-09	DRAWING TYPE SHEET No	ELECTRICAL 02 10	PROJECT NAME DRAWING TITLE	12 CLASSROOM SCHOOL WITH COMPUTER AND LABRATORY CLASS RCC.IRON SHEET GROUNDING
--	--	--	---	---	-----------------------------------	---------------------------------------	--------------------------	------------------------	-------------------------------	--



<div></div>	MINISTRY OF EDUCATION DEPARTMENT OF CONTRACTION	<div></div>	STANDARD SCHOOL DESIGN IN AFGHANISTAN	ELECTRICAL /DESIGN	ENG FEROZ SADID	APPROVED:Doc/Moe	ENG.Ab.Mohmen Rad	DRAWING TYPE	ELECTRICAL	PROJECT NAME	12 CLASSROOM SCHOOL WITH COMPUTER AND LABRATORY CLASS RCC.IRON SHEET
				CHECKED BY	ENG M RAHIM	SCALE	A3	SHEET No	<div>03 10</div>		
				TECH- APPROVED BY	ENG.AB.MATIN MAQOL	DATE	2013-02-09			DRAWING TITLE	GROUND FLOOR LIGHTING PLAN.



MINISTRY OF EDUCATION
DEPARTMENT OF CONTRACTION



STANDARD SCHOOL
DESIGN
IN AFGHANISTAN

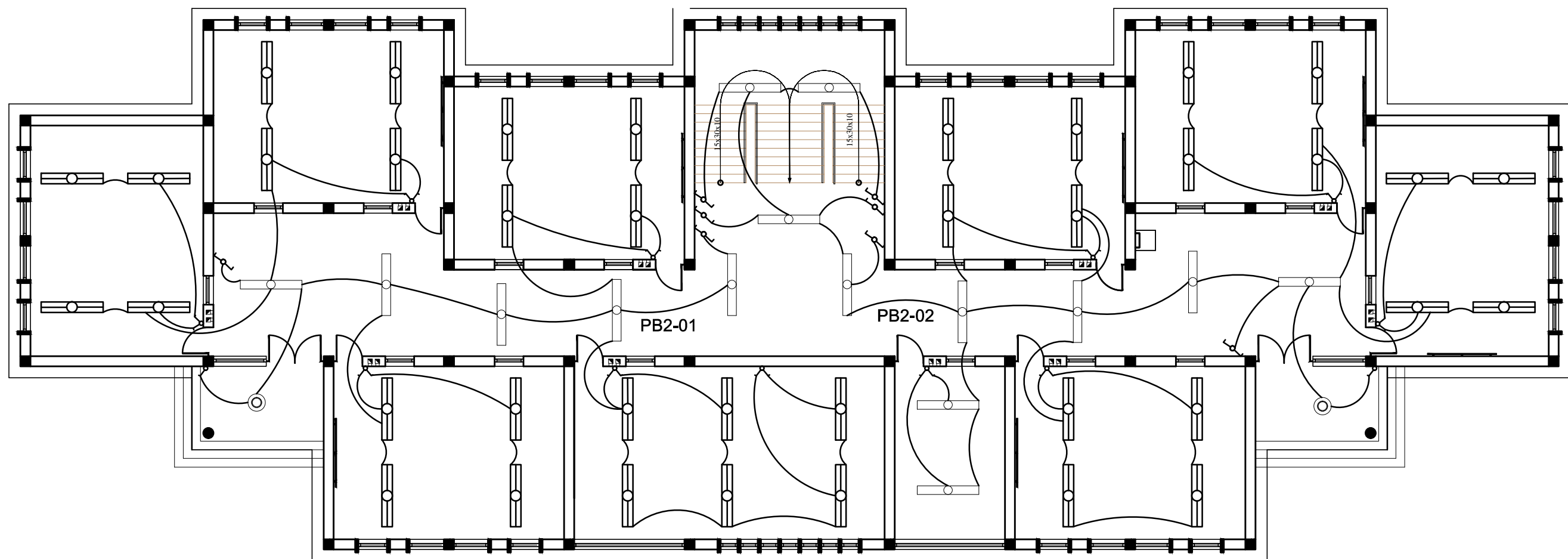
ELECTRICAL /DESIGN	ENG FEROUZ SADID	APPROVED:Doc/Moe	ENG.Ab.Mohmen Rad	DRAWING TYPE	ELECTRICAL
CHECKED BY	ENG M RAHIM	SCALE	A3	SHEET No	04 10
TECH- APPROVED BY	ENG.AB.MATIN MAQOL	DATE	2013-02-09		

PROJECT NAME

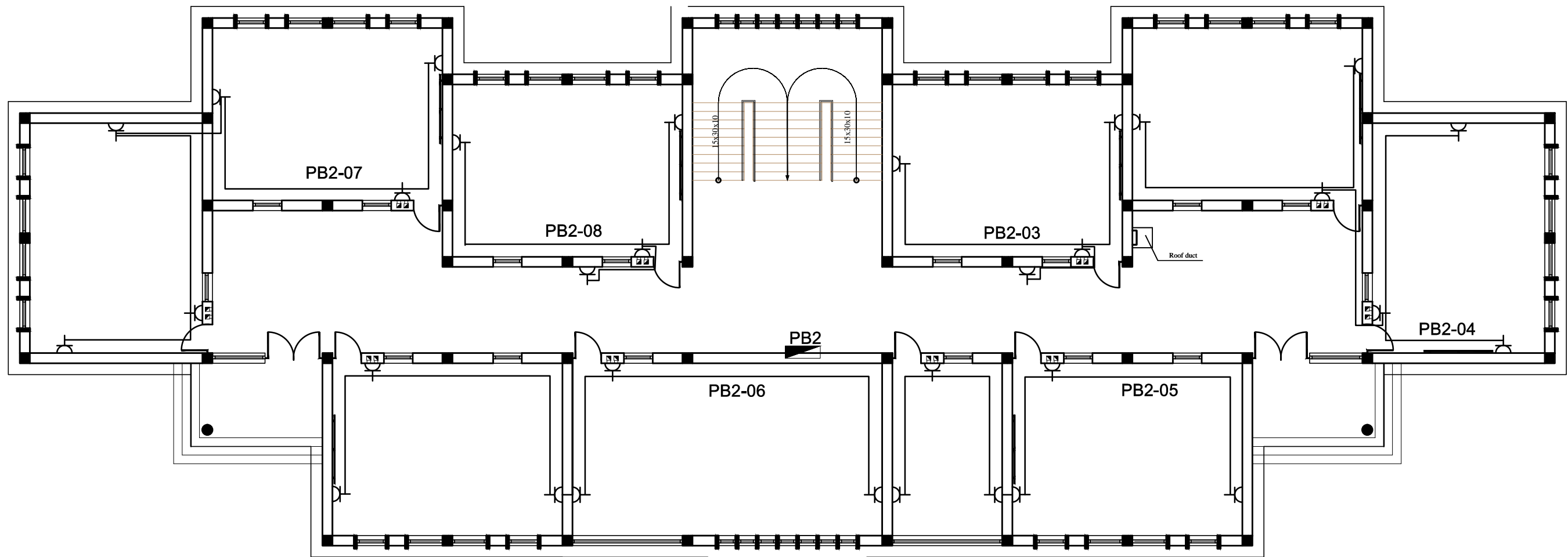
12 CLASSROOM SCHOOL WITH COMPUTER AND
LABRATORY CLASS RCC.IRON SHEET

DRAWING TITLE

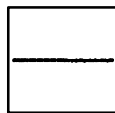
GROUND FLOOR POWER PLAN.



<div></div>	MINISTRY OF EDUCATION DEPARTMENT OF CONTRACTION	<div></div>	STANDARD SCHOOL DESIGN IN AFGHANISTAN	ELECTRICAL /DESIGN	ENG FEROZ SADID	APPROVED:Doc/Moe	ENG.Ab.Mohmen Rad	DRAWING TYPE	ELECTRICAL	PROJECT NAME	12 CLASSROOM SCHOOL WITH COMPUTER AND LABRATORY CLASS RCC.IRON SHEET
				CHECKED BY	ENG M RAHIM	SCALE	A3	SHEET No	<div>05 10</div>		
				TECH- APPROVED BY	ENG.AB.MATIN MAQOL	DATE	2013-02-09			DRAWING TITLE	FIRST FLOOR LIGHTING PLAN.



MINISTRY OF EDUCATION
DEPARTMENT OF CONTRACTION



STANDARD SCHOOL
DESIGN
IN AFGHANISTAN

ELECTRICAL /DESIGN	ENG FEROZ SADID	APPROVED:Doc/Moe	ENG.Ab.Mohmen Rad	DRAWING TYPE
CHECKED BY	ENG M RAHIM	SCALE	A3	SHEET No
TECH- APPROVED BY	ENG.AB.MATIN MAQOL	DATE	2013-02-09	

ELECTRICAL
06 10

PROJECT NAME

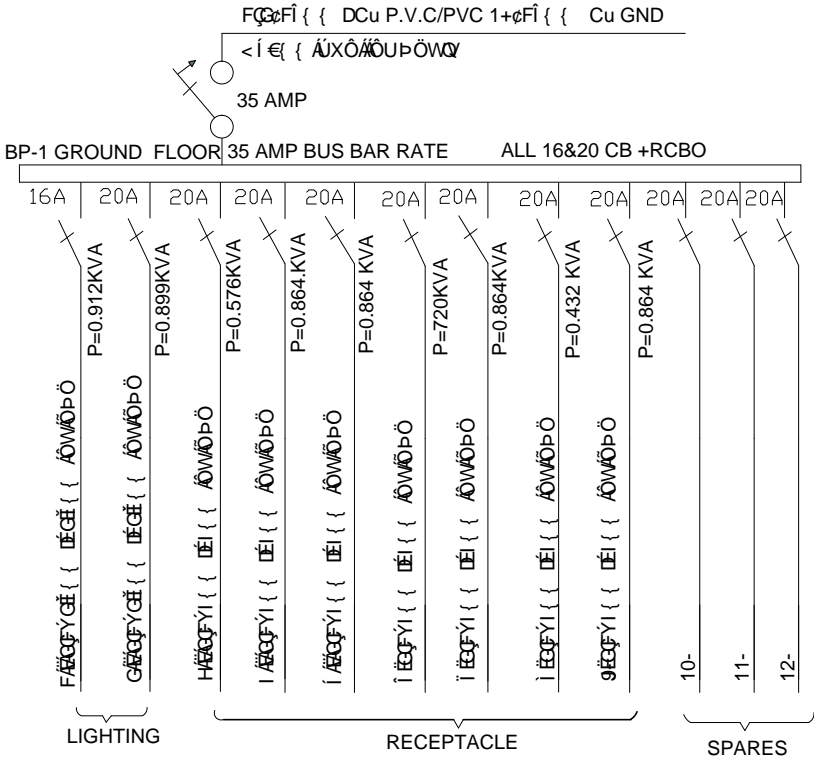
12 CLASSROOM SCHOOL WITH COMPUTER AND
LABRATORY CLASS RCC.IRON SHEET

DRAWING TITLE

FIRST FLOOR POWER PLAN.

PANEL SCHEDULE AND SINGLE LINE DIAGRAM

PANEL BOARD NAME : PB135 AMP BUS BAR RATEMAIN BREAKER :35 A															
PANEL LOCATION: GROUND FLOOR PANEL 220 VOLT , 1 PHASE , 3 WIRE , 50HZ 30KA ISC / 0.5 SEC RECESSED MOUNTED NEMA ENCLOSURE															
WIRE ,CONDUIT AND DESCRIPTION			SINGLE PHASE			TRIP & CIRCUIT				SINGLE PHASE			WIRE ,CONDUIT AND DESCRIPTION		
WIRE AND CONDUIT	GND WIRE	DESCRIPTION	A (VA)	A (VA)	A (VA)	AMP	CKT	CKT	AMP	A (VA)	A (VA)	A (VA)	DESCRIPTION	GND WIRE	WIRE AND CONDUIT
2(1X2.5mm ²)Ø20mm	2.5mm ²	LIGHTING	912			16	1	2	16	898.5			LIGHTING	2.5mm ²	2(1X2.5mm ²)Ø20mm
2(1X2.5mm ²)Ø20mm	4mm ²	RECEPTACLE		576.0		20	3	4	20		864.0		RECEPTACLE	4mm ²	2(1X4mm ²)Ø20mm
2(1X4mm ²)Ø20mm	4mm ²	RECEPTACLE			864.0	20	5	6	20			720.0	RECEPTACLE	4mm ²	2(1X4mm ²)Ø20mm
2(1X4mm ²)Ø20mm	4mm ²	RECEPTACLE	864.0			20	7	8	20	432.0			RECEPTACLE	4mm ²	2(1X4mm ²)Ø20mm
2(1X4mm ²)Ø20mm	4mm ²	RECEPTACLE		864.0		20	9	10	20		0.0		SPARE	4mm ²	2(1X4mm ²)Ø20mm
2(1X4mm ²)Ø20mm	4mm ²	SPARE			0.0	20	11	12	20			0.0		4mm ²	2(1X4mm ²)Ø20mm
2(1X4mm ²)Ø20mm	4mm ²		0.0			20	13	14	20	0.0				4mm ²	2(1X4mm ²)Ø20mm
						20	15	16	20						
SUB - TOTAL IN (VA)			1776.0	1440	864.0	-	-	-	-	1330.5	864.0	720.0	SUB - TOTAL IN (VA)		
TOTAL PHASE (A) =			3106.5	14.1											
TOTAL PHASE (A) =			2304.0	10.5											
TOTAL PHASE (A) =			1584.0	7.2											
TOTAL CONNECTED LOAD			6994.5	10.6											
DEMAND FACTOR			0.7												
DEMAND LOAD			4896.2												
25% FUTURE LOAD			1224.0												
TOTAL LOAD			6120.2												
TOTAL AMPERE			27.8												
BREAKER SIZE			34.8												



MINISTRY OF EDUCATION
DEPARTMENT OF CONTRACTION



STANDARD SCHOOL
DESIGN
IN AFGHANISTAN

ELECTRICAL /DESIGN
CHECKED BY
TECH- APPROVED BY

ENG FEROZ SADID
ENG M RAHIM
ENG.AB.MATIN MAQOL

APPROVED:Doc/Moe
SCALE
DATE

ENG.Ab.Mohmen Rad
A3
2013-02-09

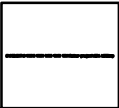
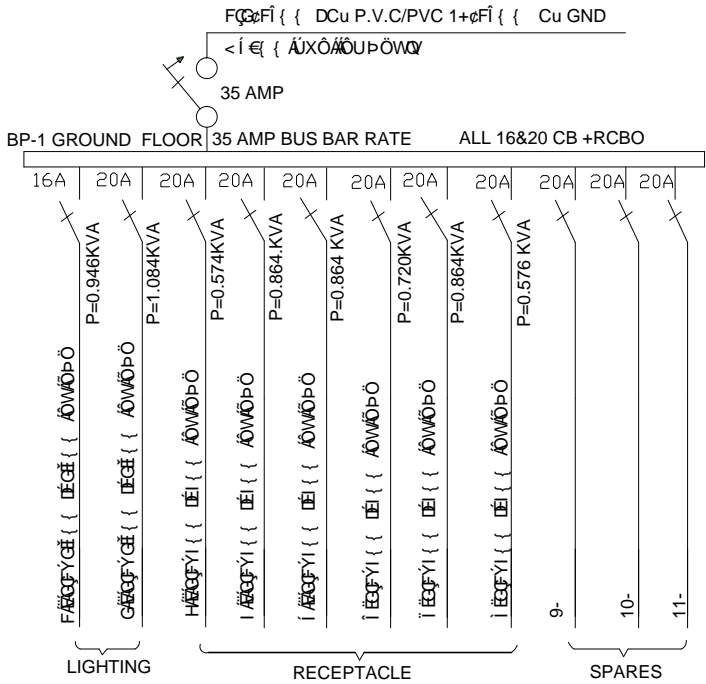
DRAWING TYPE
ELECTRICAL
SHEET No

PROJECT NAME
DRAWING TITLE

12 CLASSROOM SCHOOL WITH COMPUTER AND
LABRATORY CLASS RCC.IRON SHEET
GROUND FLOOR PANEL SCHDULE .

PANEL SCHEDULE AND SINGLE LINE DIAGRAM

PANEL BOARD NAME : PB235 AMP BUS BAR RATEMAIN BREAKER :35 A															
PANEL LOCATION: FIRST FLOORPANEL 220 VOLT , 1 PHASE , 3 WIRE , 50HZ 30KA ISC / 0.5 SEC RECESSED															
MOUNTED NAME ENCLOSURE															
WIRE ,CONDUIT AND DESCRIPTION			SINGLE PHASE			TRIP & CIRCUIT				SINGLE PHASE			WIRE ,CONDUIT AND DESCRIPTION		
WIRE AND CONDUIT	GND WIRE	DESCRIPTION	A (VA)	A (VA)	A (VA)	AMP	CKT	CKT	AMP	A (VA)	A (VA)	A (VA)	DESCRIPTION	GND WIRE	WIRE AND CONDUIT
2(1X2.5mm²)Ø20mm	2.5mm²	LIGHTING	946			16	1	2	16	1084.8			LIGHTING	2.5mm²	2(1X2.5mm²)Ø20mm
2(1X2.5mm²)Ø20mm	4mm²	RECEPTACLE		576.0		20	3	4	20		864.0		RECEPTACLE	4mm²	2(1X4mm²)Ø20mm
2(1X4mm²)Ø20mm	4mm²	RECEPTACLE			864.0	20	5	6	20			720.0	RECEPTACLE	4mm²	2(1X4mm²)Ø20mm
2(1X4mm²)Ø20mm	4mm²	RECEPTACLE	864.0			20	7	8	20	576.0			RECEPTACLE	4mm²	2(1X4mm²)Ø20mm
2(1X4mm²)Ø20mm	4mm²	SPARE		0.0		20	9	10	20				SPARE	4mm²	2(1X4mm²)Ø20mm
2(1X4mm²)Ø20mm	4mm²				0.0	20	11	12	20			0.0		4mm²	2(1X4mm²)Ø20mm
2(1X4mm²)Ø20mm	4mm²		0.0			20	13	14	20	0.0				4mm²	2(1X4mm²)Ø20mm
						20	15	16	20						
SUB - TOTAL IN (VA)			1809.5	576.0	864.0	-	-	-	-	1660.8	864.0	720.0	SUB - TOTAL IN (VA)		
TOTAL PHASE (A) =			3470.3	15.8											
TOTAL PHASE (A) =			1440.0	6.5											
TOTAL PHASE (A) =			1584.0	7.2											
TOTAL CONNECTED LOAD			6494.3	9.9											
DEMAND FACTOR			0.7												
DEMAND LOAD			4546.0												
25% FUTURE LOAD			1136.5												
TOTAL LOAD			5682.5												
TOTAL AMPERE			25.8												
BREAKER SIZE			32.3												



MINISTRY OF EDUCATION
DEPARTMENT OF CONTRACTION



STANDARD SCHOOL
DESIGN
IN AFGHANISTAN

ELECTRICAL /DESIGN
CHECKED BY
TECH- APPROVED BY

ENG FEROZ SADID
ENG M RAHIM
ENG.AB.MATIN MAQOL

APPROVED:Doc/Moe
SCALE
DATE

ENG.Ab.Mohmen Rad
A3
2013-02-09

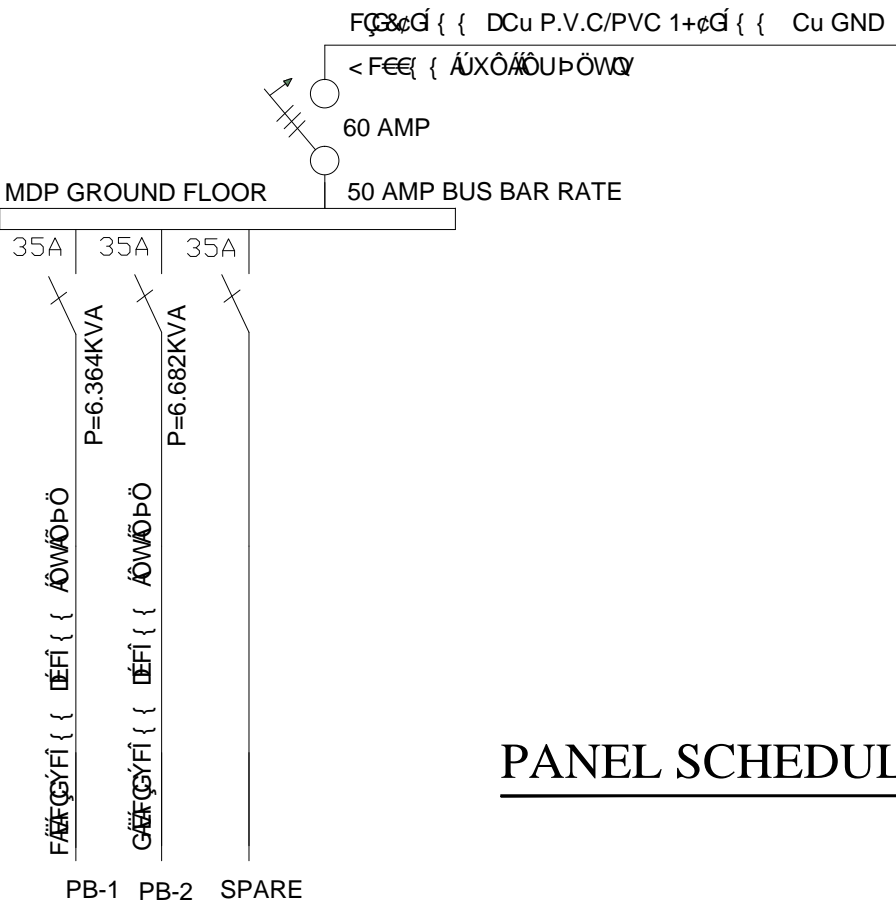
DRAWING TYPE
SHEET No

ELECTRICAL
08
10

PROJECT NAME
DRAWING TITLE

12 CLASSROOM SCHOOL WITH COMPUTER AND
LABRATORY CLASS RCC.IRON SHEET
FIRST FLOOR PANEL SCHEDULE .

PANEL BOARD NAME : MDP																80 AMP BUS BAR RATE								MAIN BREAKER :80 A																											
PANEL LOCATION: 1ST FLOOR																PANEL 220 VOLT								3 PHASE				, 5 WIRE				, 50HZ				30KA				ISC / 0.5 SEC				RECESSED MOUNTED							
NEMA ENCLOSURE																																																			
WIRE ,CONDUIT AND DESCRIPTION						SINGLE PHASE						TRIP & CIRCUIT						SINGLE PHASE						WIRE ,CONDUIT AND DESCRIPTION																											
WIRE AND CONDUIT			GND WIRE		DESCRIPTION			B (VA)		A (VA)		AMP	CKT	CKT	AMP	C (VA)						DESCRIPTION			GND WIRE		WIRE AND CONDUIT																								
1(2X16mm ²)Ø25mm			16mm ²		PB-1	0		0		6364		40	1	2	40	6682						PB-2			16mm ²		1(2X16mm ²)Ø25mm																								
					SPARE							40	3	4	40			0		0																															
SUB - TOTAL IN < VA >						0.0		0.0		6364.0		-	-	-	-	6682.0		0.0		0.0		SUB - TOTAL IN < VA >																													
TOTAL PHASE (A) =						6682.0		30.4																																											
TOTAL PHASE (A) =						0.0		0.0																																											
TOTAL PHASE (A) =						6364.0		28.9																																											
TOTAL CONNECTED LOAD						13046.0		59.3																																											
DEMAND FACTOR						0.6																																													
DEMAND LOAD						6653.5																																													
25% FUTURE LOAD						1663.4																																													
TOTAL LOAD						8316.8																																													
TOTAL AMPERE						37.8																																													
BREAKER SIZE						47.3																																													



PANEL SCHEDULE AND RISER DIAGRAM



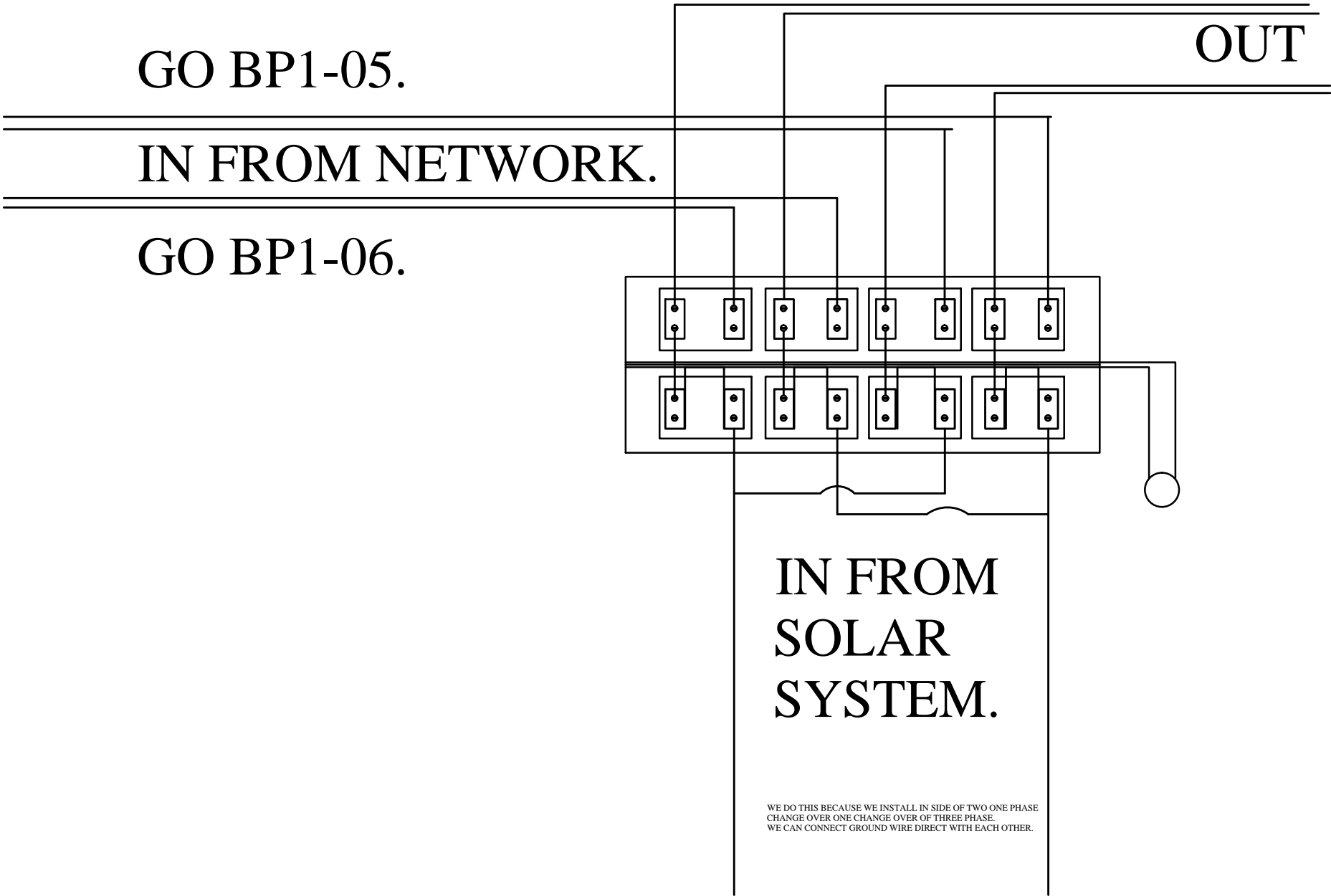
MINISTRY OF EDUCATION
DEPARTMENT OF CONTRACTION



STANDARD SCHOOL
DESIGN
IN AFGHANISTAN

ELECTRICAL /DESIGN	ENG FEROZ SADID	APPROVED:Doc/Moe	ENG.Ab.Mohmen Rad	DRAWING TYPE	ELECTRICAL	PROJECT NAME	12 CLASSROOM SCHOOL WITH COMPUTER AND LABRATORY CLASS RCC.IRON SHEET
CHECKED BY	ENG M RAHIM	SCALE	A3	SHEET No	09 10	DRAWING TITLE	MINE DISTRIBUTION PANE PLAN.
TECH- APPROVED BY	ENG.AB.MATIN MAQOL	DATE	2013-02-09				

INSTALL IN SIDE OF TWO ONE PHASE
CHANG OVER ONE THREE PHASE
CHANG OVER.



WE DO THIS BECAUSE WE INSTALL IN SIDE OF TWO ONE PHASE
CHANGE OVER ONE CHANGE OVER OF THREE PHASE.
WE CAN CONNECT GROUND WIRE DIRECT WITH EACH OTHER.



MINISTRY OF EDUCATION
DEPARTMENT OF CONTRACTION



STANDARD SCHOOL
DESIGN
IN AFGHANISTAN

ELECTRICAL /DESIGN
ENG FEROUZ SADID
CHECKED BY
ENG M RAHIM
TECH- APPROVED BY
ENG.AB.MATIN MAQOL

APPROVED:Doc/Moe
SCALE
DATE

ENG.Ab.Mohmen Rad
A3
2013-02-09

DRAWING TYPE
SHEET No

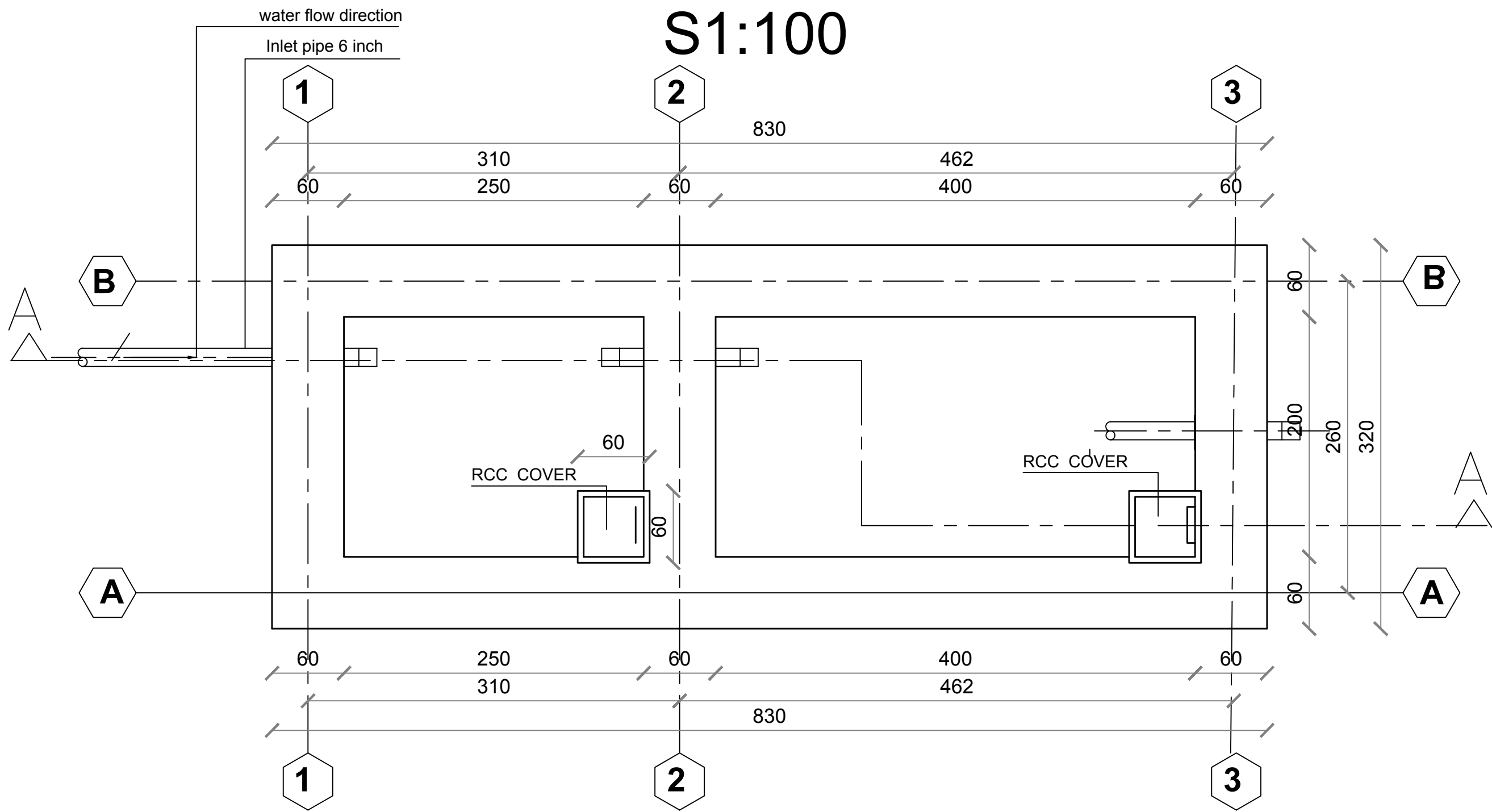
ELECTRICAL
10
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PROJECT NAME
DRAWING TITLE

12 CLASSROOM SCHOOL WITH COMPUTER AND
LABRATORY CLASS RCC.IRON SHEET
DETAIL OF CHANG OVER INSTALLATION.

PLAN OF SEPTIC TANK

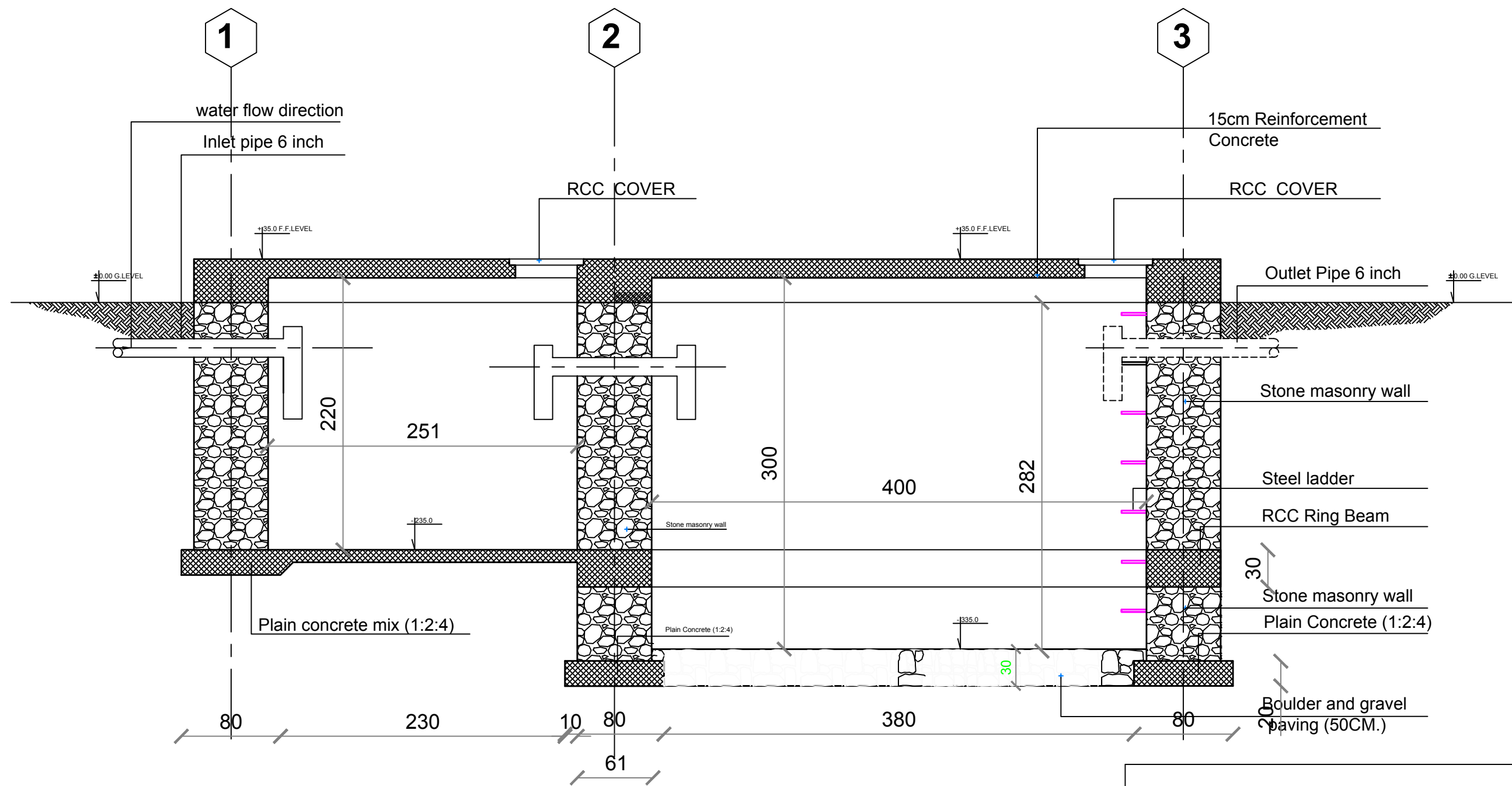
S1:100




<div><div> UNHCR <small>The UN Refugee Agency</small></div><div>Afghanistan</div></div> <div>KANDAHAR SCHOOL PROJECT</div>					
Project Code		KAN-000-000			
Project Title		New Construction of Septic Tank For School			
Drawing Title		Plan			
Project Location		District of city PD#5			
Drawn By:		Designed By:	Checked By:	Reveiw By:	Approved By:
Name	Eng.Amir M.	Eng.Amir M.			
Sign					
Date					
Sheet No:					00 of 00
Scales:					1:100

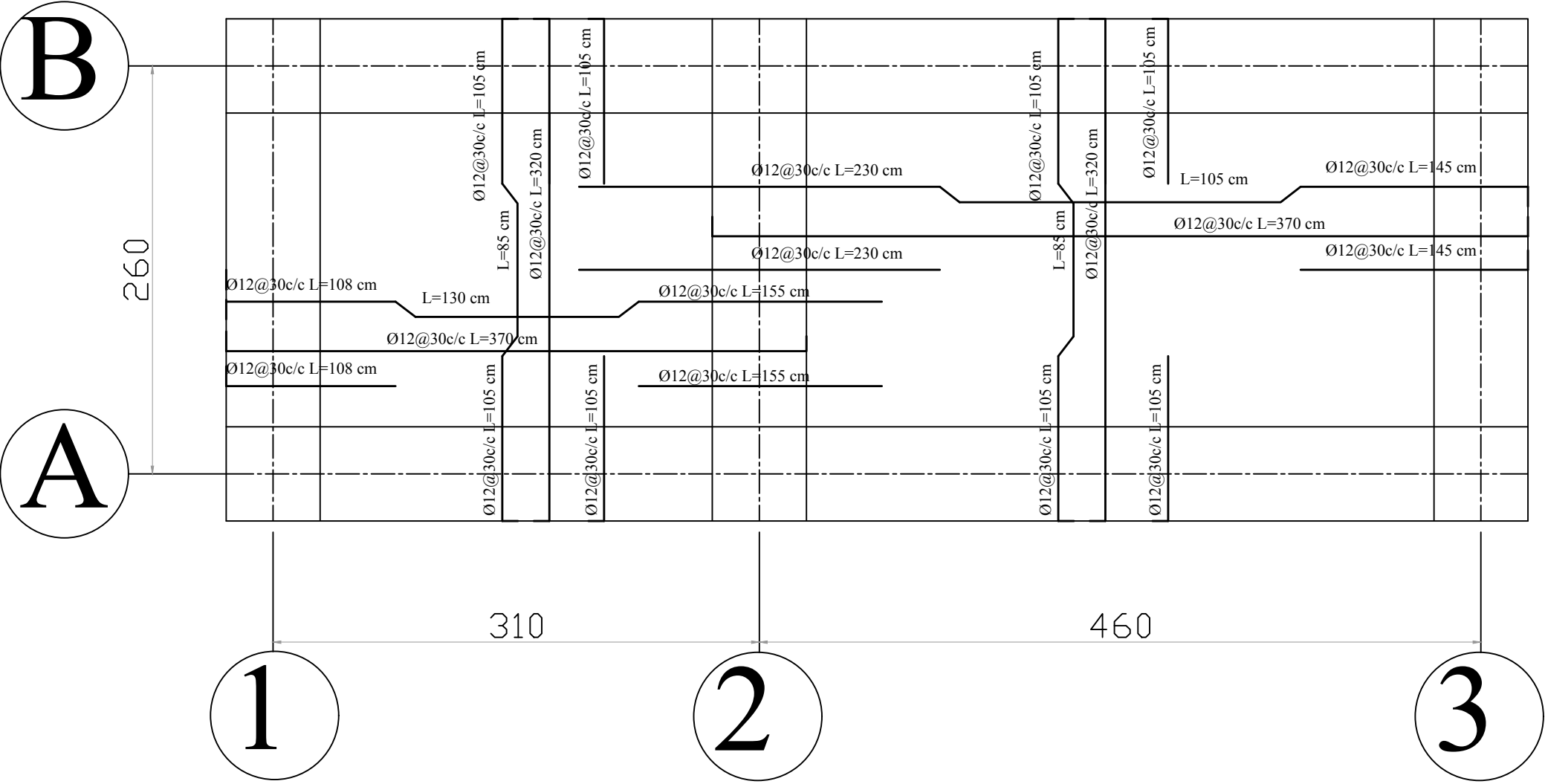
SEPTIC TANK SECTION A-A


S1:100



<div><div><div>UNHCR The UN Refugee Agency</div></div><div>Afghanistan</div><div>KANDAHAR SCHOOL PROJECT</div></div>					
Project Code	KAN-000-000				
Project Title	New Construction of Septic Tank for School				
Drawing Title	Plan				
Project Location	District of city PD#5				
Drawn By:	Designed By:	Checked By:	Reveiw By:	Approved By:	Sheet No:
Name Eng.Amir M.	Eng.Amir M.				00 of 00
Sign					Scales:

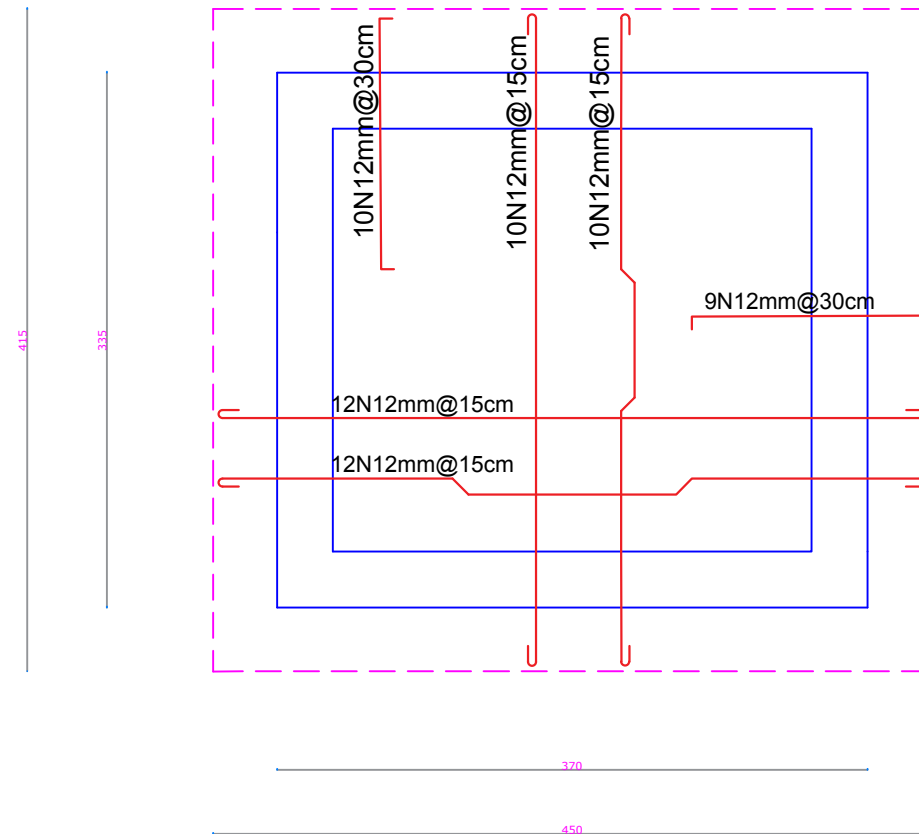
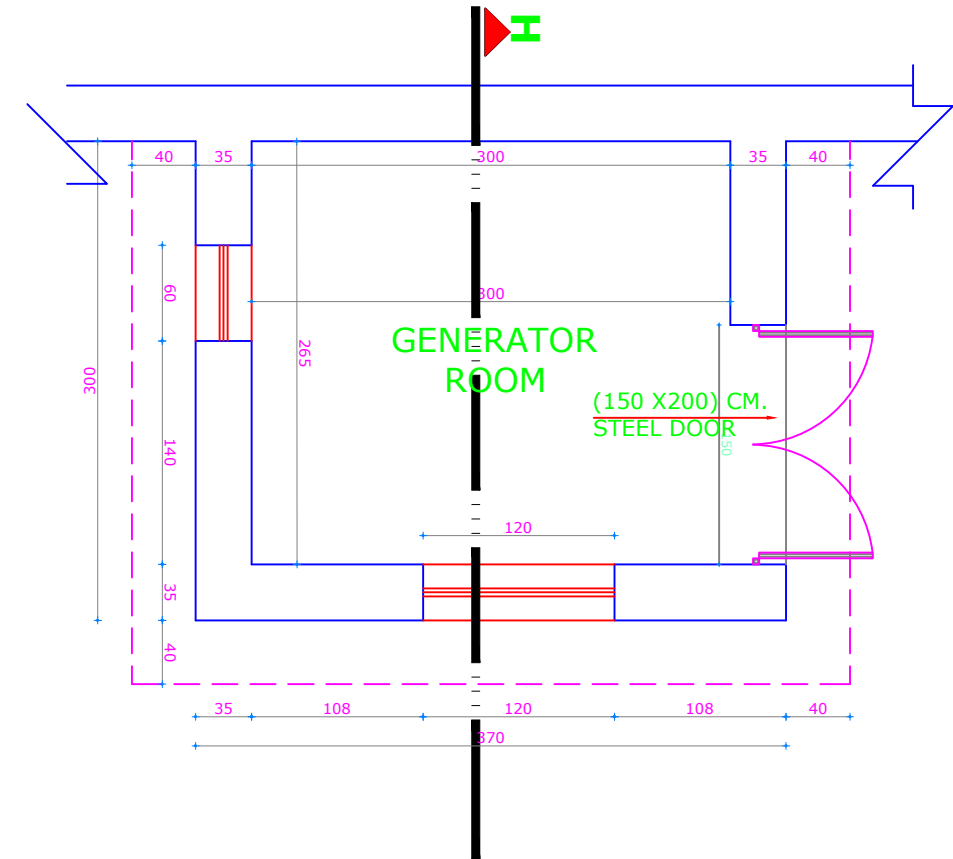
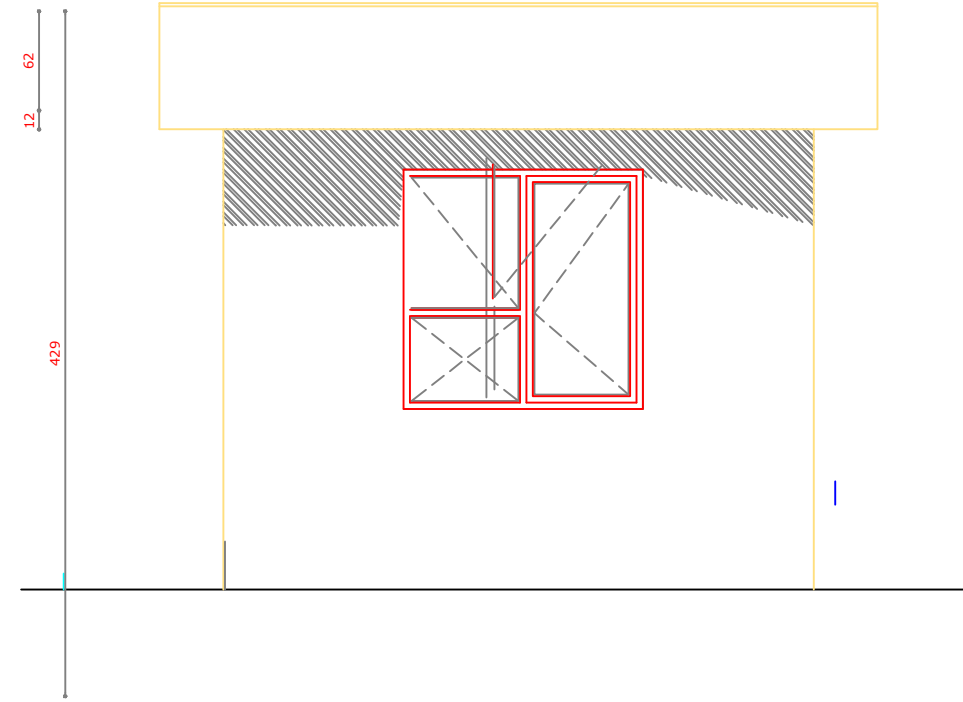
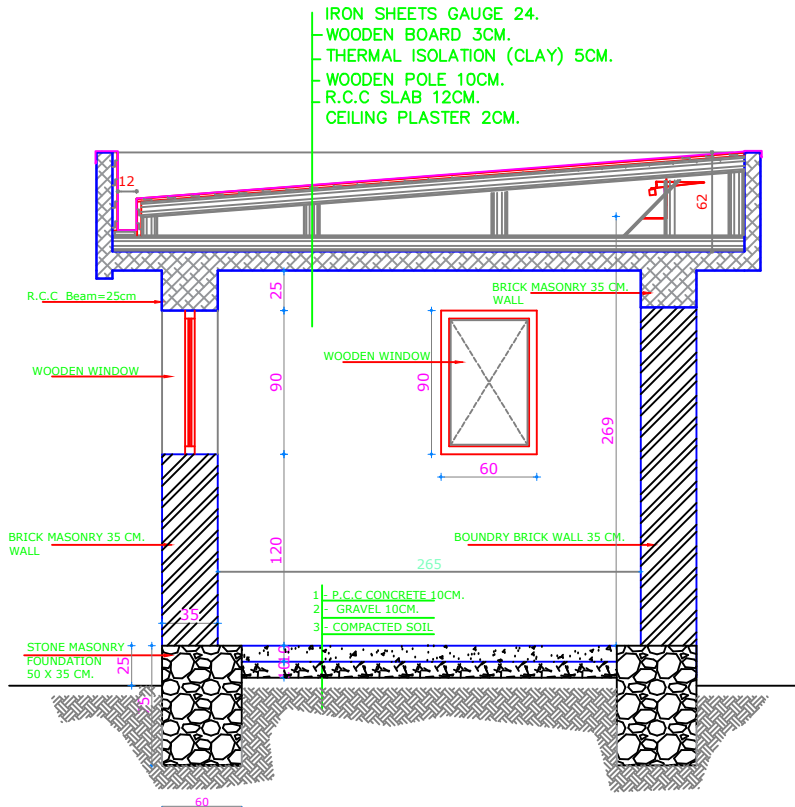
Bar Bending Schedule Of Septic Tank Slab



<div><div> UNHCR The UN Refugee Agency</div><div>Afghanistan</div></div> <div>KANDAHAR SCHOOL PROJECT</div>					
Project Code		KAN-000-000			
Project Title		New Construction of Septic Tank For SCHOOL			
Drawing Title		Plan			
Project Location		District of city PD#5			
Drawn By:		Designed By:	Checked By:	Reveiw By:	Approved By:
Name	Eng.Amir M.	Eng.Amir M.			
Sign					
					Sheet No:
					00 of 00
					Scales:
					1:100

Plan & section of Generator Room for School

SI:100



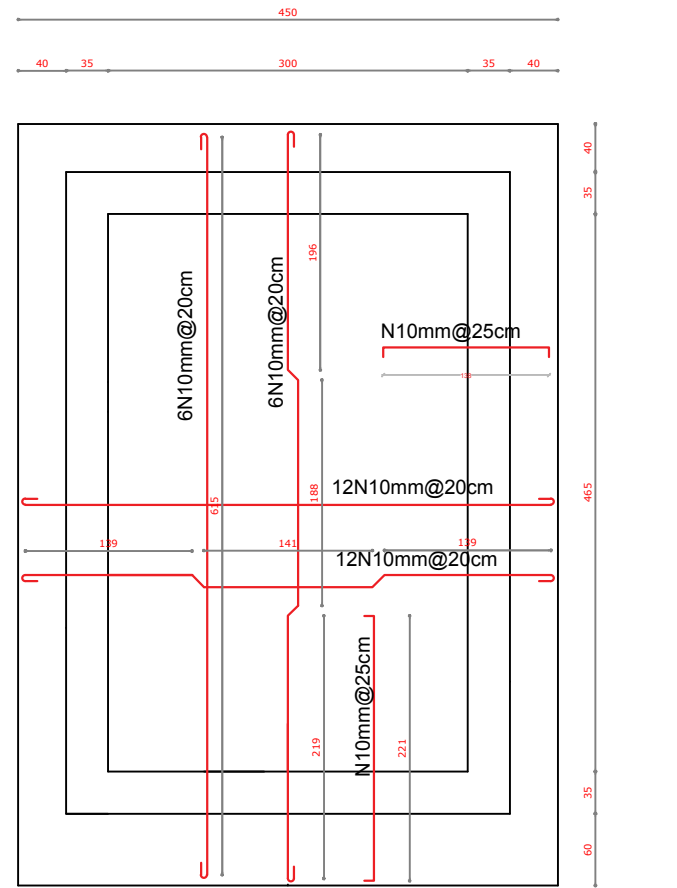
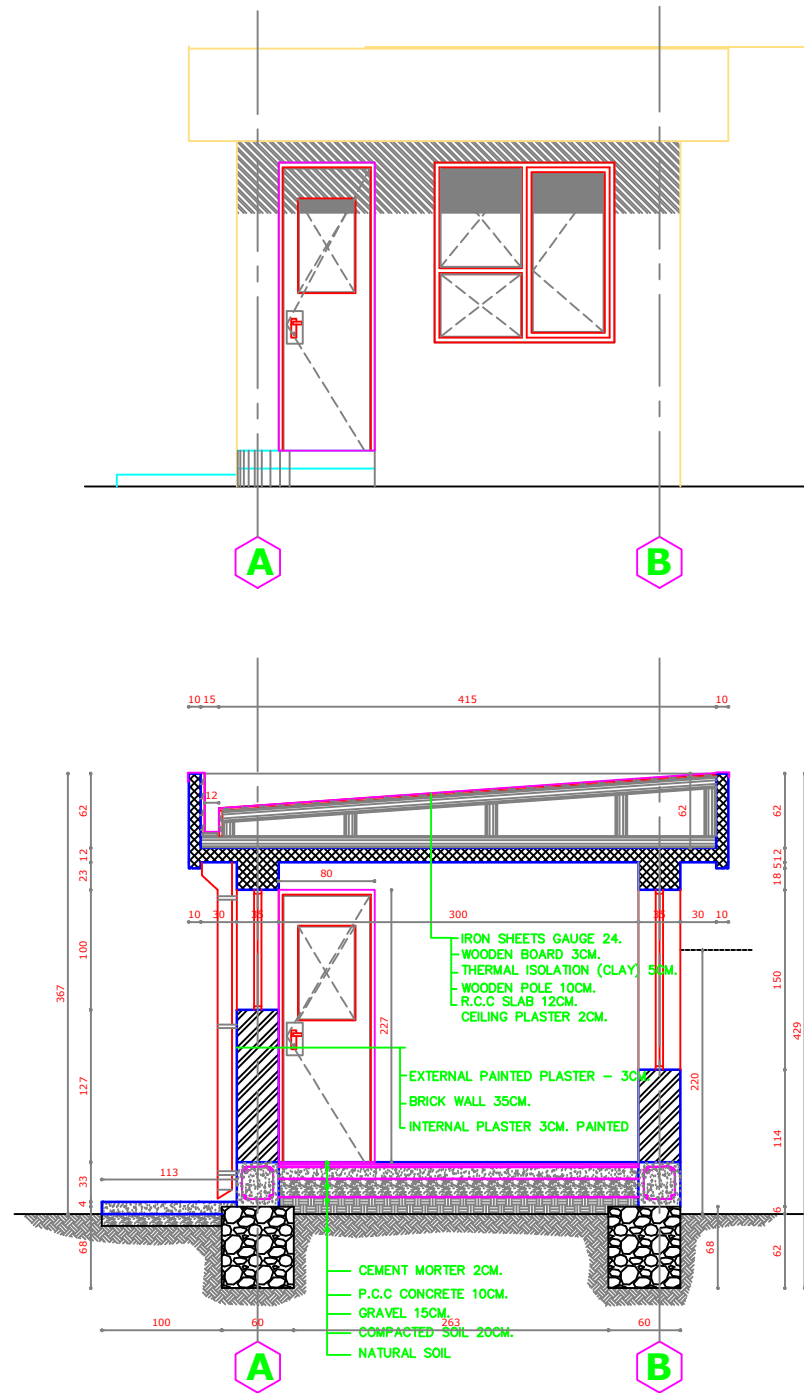
Note:

- 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(A1) $R_a = 2100 \text{ Kg/cm}^2$.
- 8-The curing must be not less than (28) days.

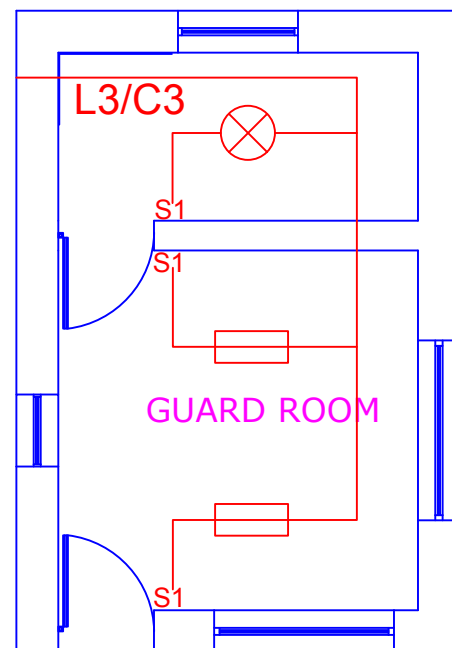
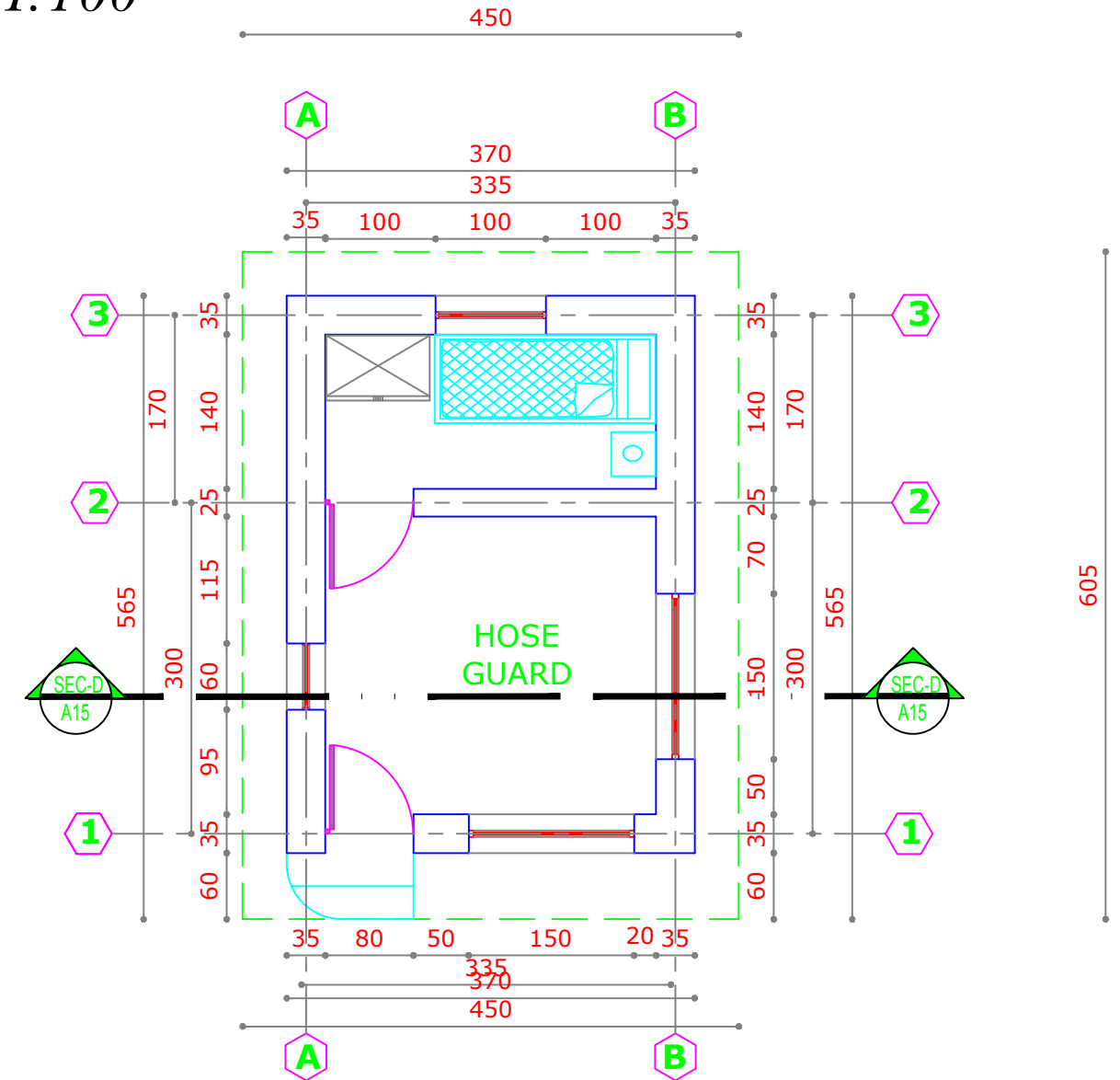
KANDAHAR SCHOOL PROJECT					
UNHCR Afghanistan The UN Refugee Agency					
Project Code		KND - 000 - 000			
Project Title		New Construction of Generator Room			
Drawing Title		Plan ,Section Front Preview			
Project Location		Kandahar City			
Drawn By:		Designed By:	Checked By:	Reveiw By:	Approved By:
Name	Eng.Amir M.	Eng.Amir M.			
Sign					
Date					
Sheet No:					00 of 00
Scales:					1:100

Plan & section of Guord Room for School

SI:100




HOSE GURD

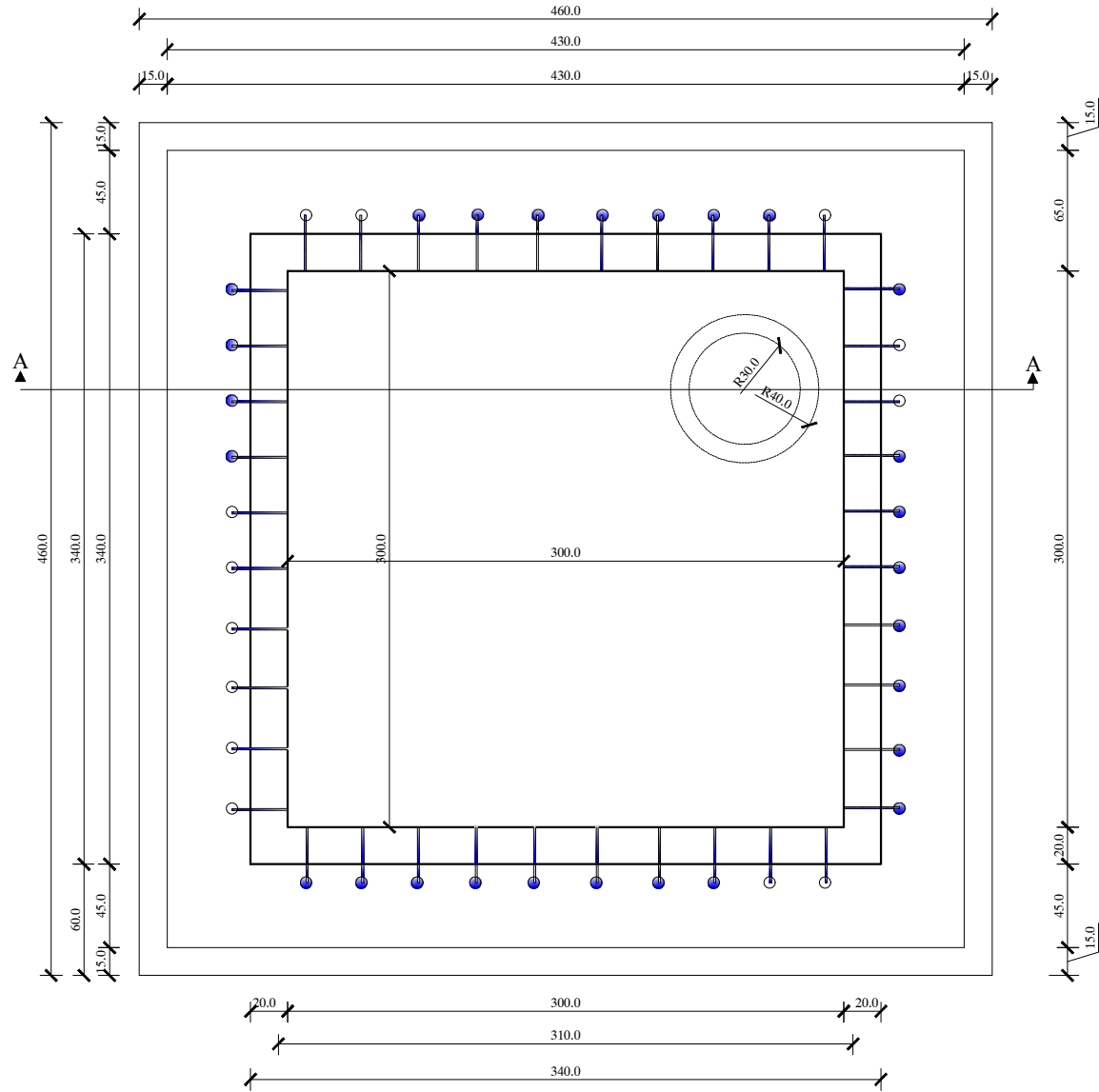


Note:

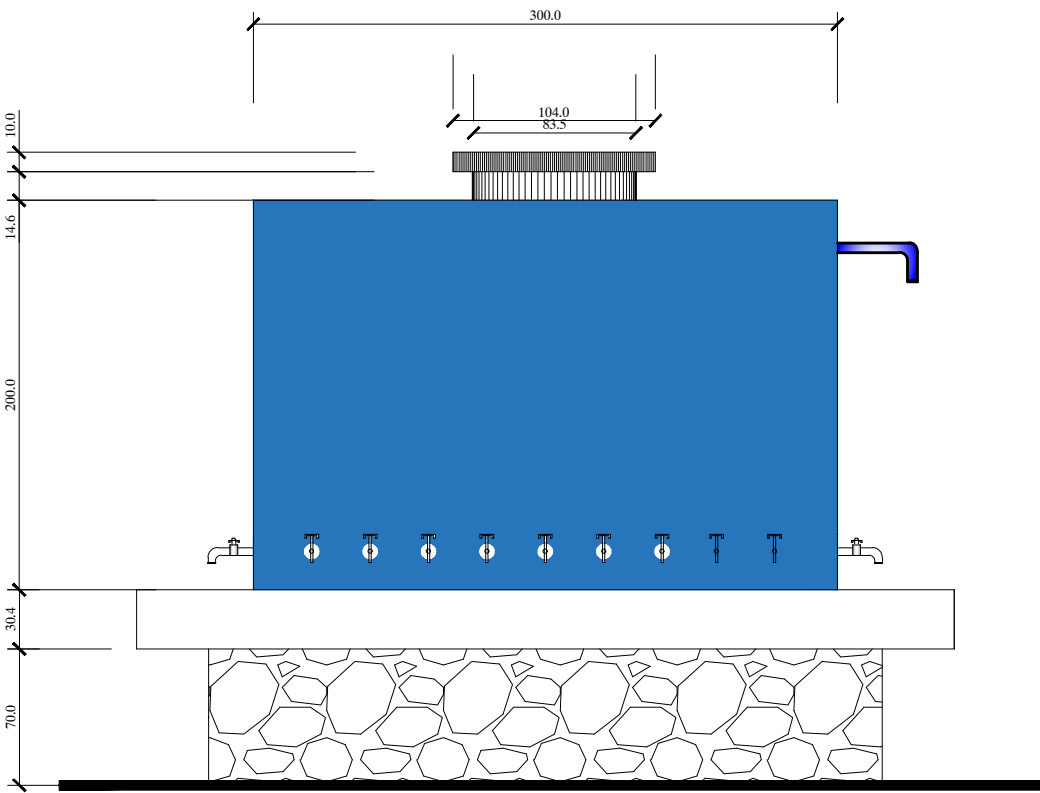
- 1-All dimension are in centimeters .
- 2-PCC shall be (1:2:4).
- 3-Mortar for stone masonry shall be (1:4).
- 4-Mortar for stone masonry shall be (1:3).
- 5-RCC shall be (1:1,5:3).
- 6-All steel bars should be not eroded or lubricated and has to be clean.
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- 8-The curing must be not less than (28) days.

KANDAHAR SCHOOL PROJECT					
 UNHCR Afghanistan The UN Refugee Agency					
Project Code	KND - 000 - 000				
Project Title	New Construction of Guard Room				
Drawing Title	Plan ,Section Front Preview				
Project Location	Zabul City				
Drawn By:	Designed By:	Checked By:	Revei w By:	Approved By:	Sheet No:
Name Eng.Amir M.	Eng.Amir M.				00 of 00
Sign					Scales:
Date					1:100

Plan of Water Reservoir
S 1:100




Elevation of Reservoir
S 1:100

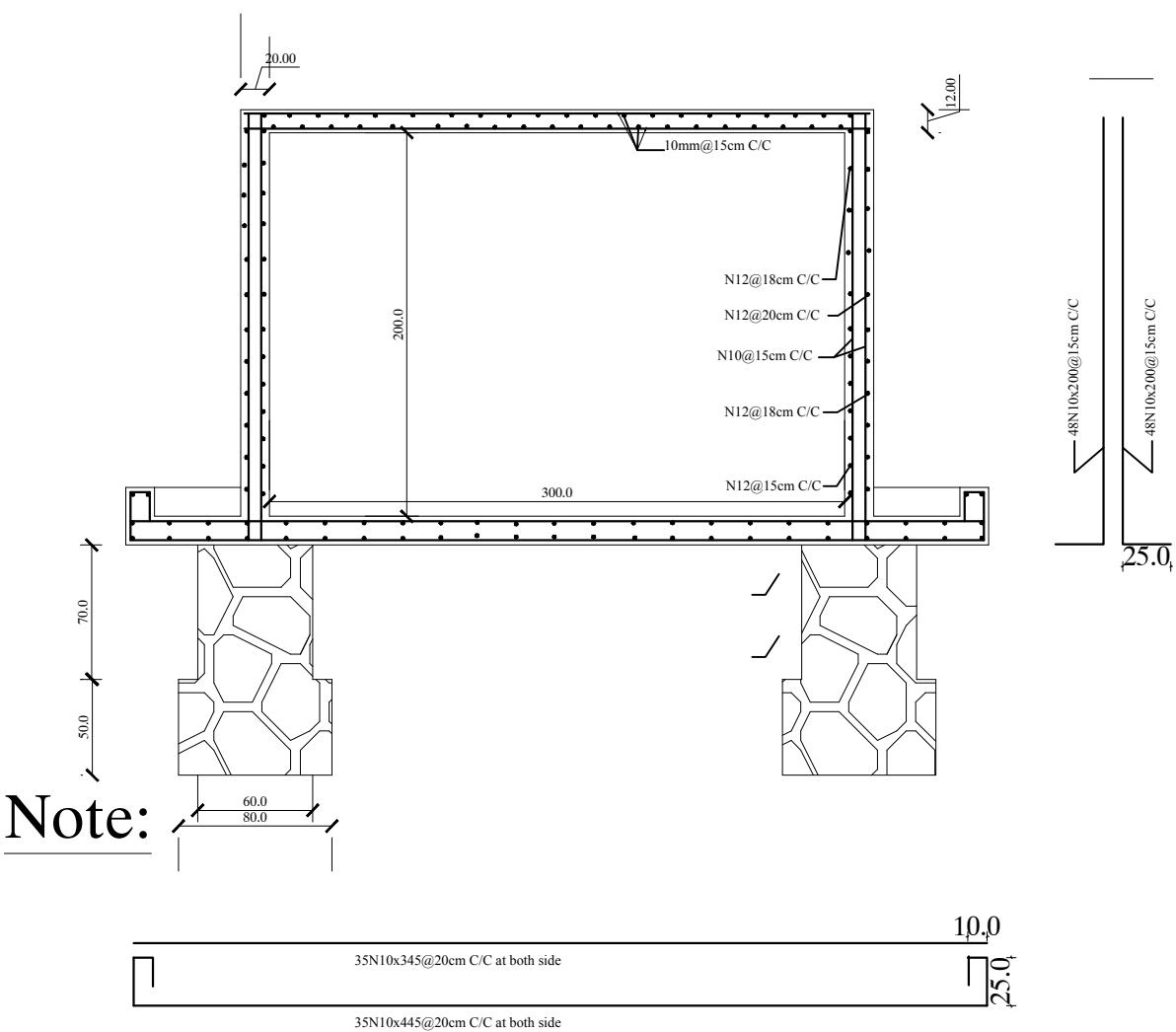


NOTE:

- 1-All dimensions are in cm
- 2-Foundation has been checked in bearing capacity of soil 1.5kg/cm,if the bearing capacity of soil is less than 1.5kg/cm the site Engineer should contact with design Engineer.
- 3-R.C.C mark should be 250 and P.C.C should be 150.
- 4-Sand and gravel should be clean of dust.
- 5-Concrete should be vibrated and watered.
- 6-Before concrete the shuttering plan and reinforcement plan must be checked by design engineer.
- 7-The steel bar is class A-II($R_a=2700\text{kg/cm}^2$) (for stirrups and secdary reinforcement class A-I will also be used).
- 9-During the concrete working a cubic sample should be taken.
- 8-Cement mortar which use for walls and stone mason.
- 9-The mark of brick should be 70 kg/cm the ratio are 1:4

 UNHCR The UN Refugee Agency				KANDAHAR SCHOOL PROJECT							
Project Code		KAN-000-000									
Project Title		New Construction of Hand Washing Station									
Drawing Title		Plan & front preview									
Project Location		Kandahar PD#5									
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	

Arraignment of Reinforcement of Reservoir

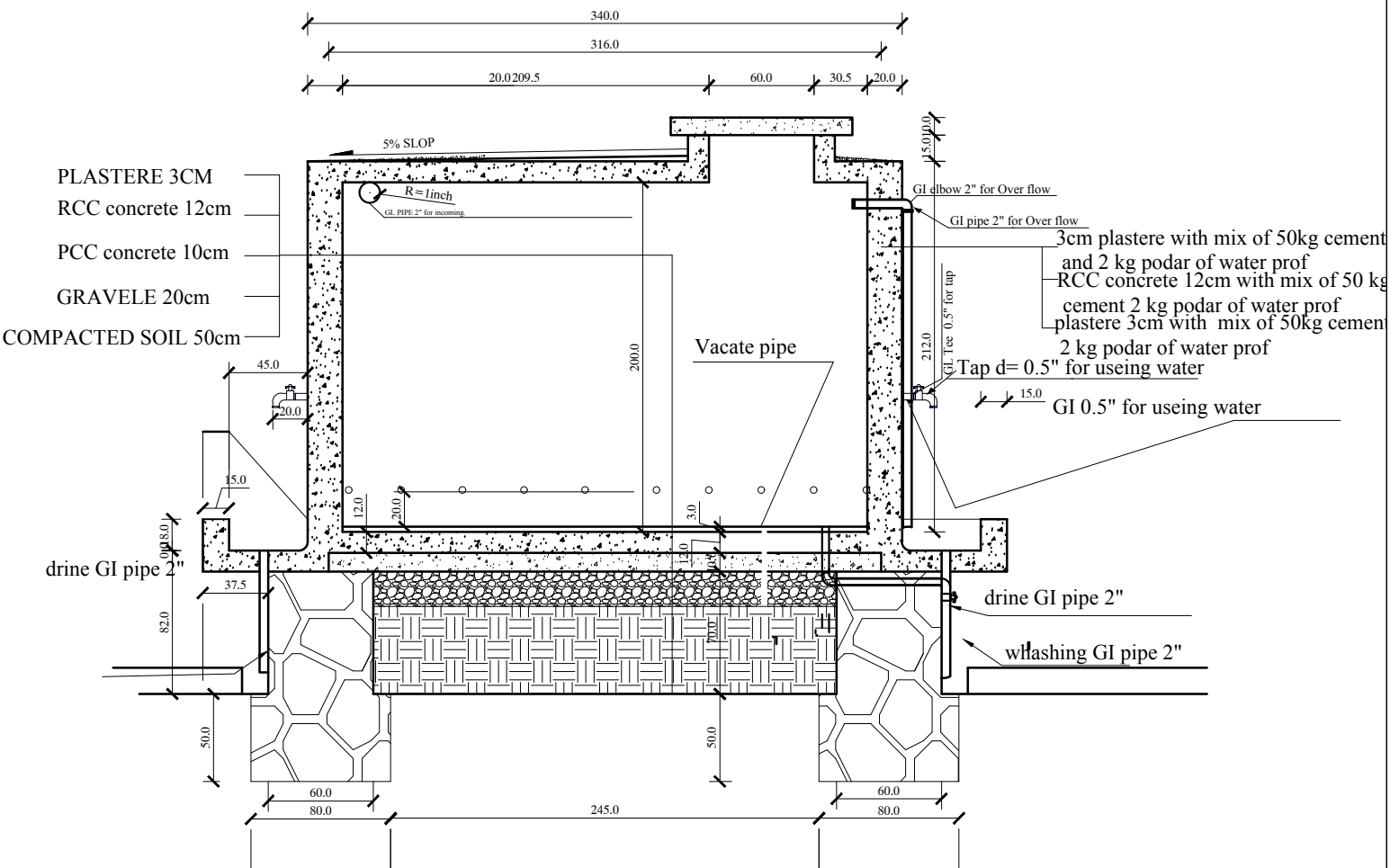


Note:

NOTE:

- 1-All dimensions are in cm
- 2-Foundation has been checked in bearing capacity of soil 1.5kg/cm,if the bearing capacity of soil is less than 1.5kg/cm the site Engineer should contact with design Engineer.
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- 9-During the concrete working a cubic sample should be taken.
- 8-Cement mortar which use for walls and stone mason.
- 9-The mark of brick should be 70 kg/cm the ratio are 1:4

Section A-A S 1:100

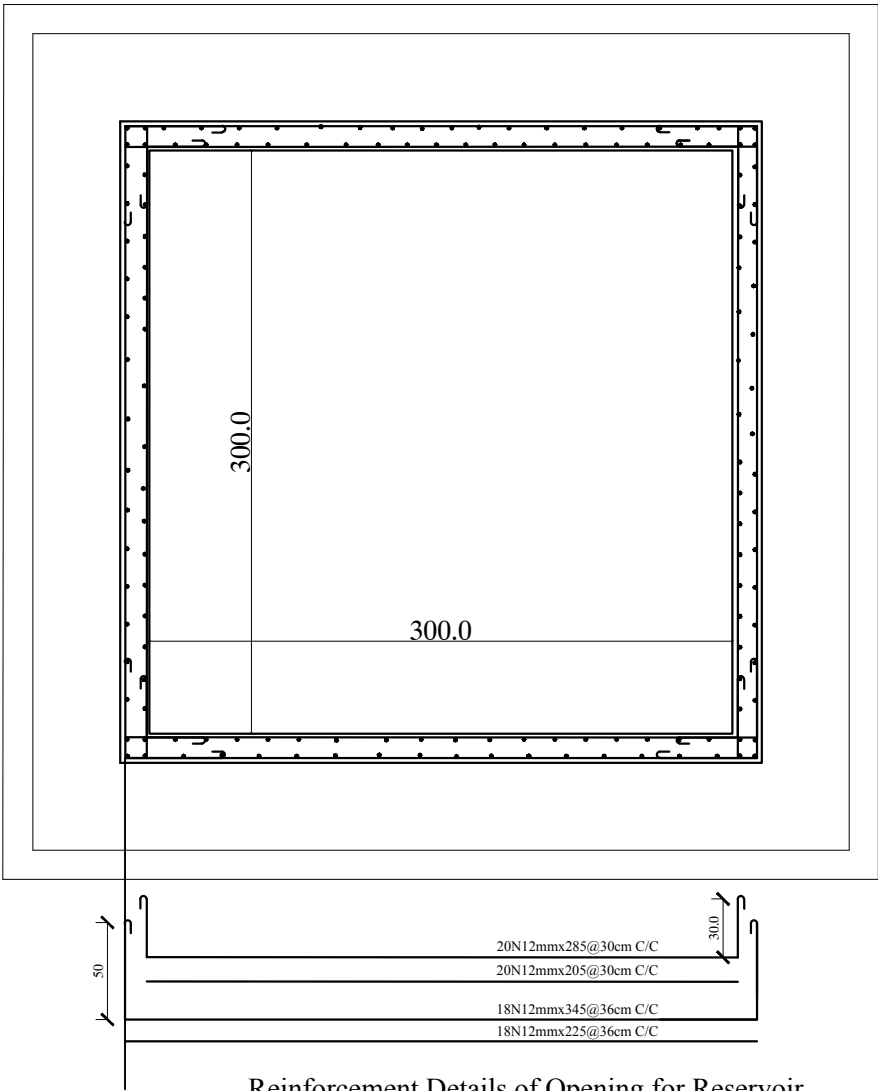


UNHCR Afghanistan

KANDAHAR
SCHOOL PROJECT

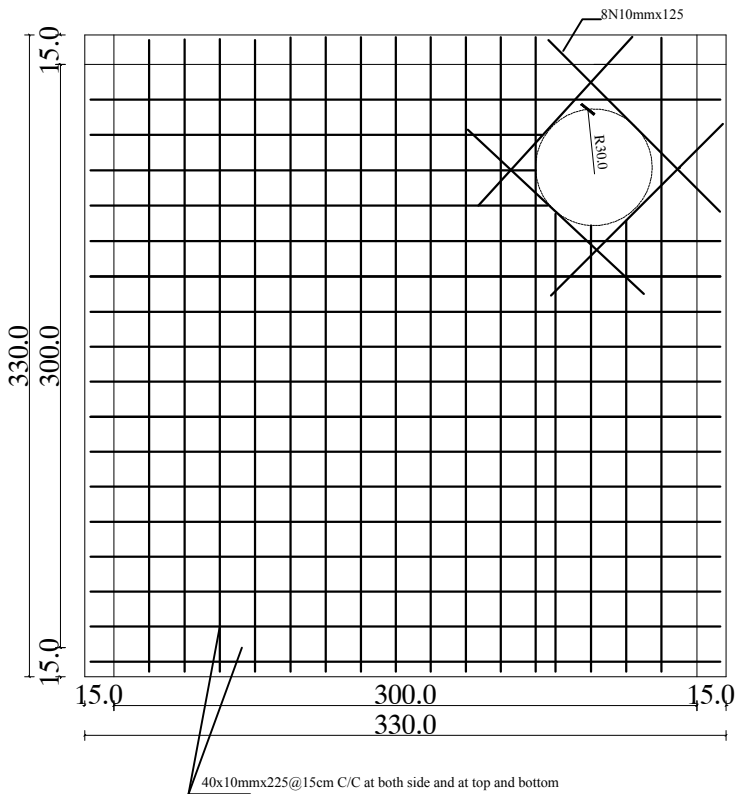
Project Code	KAN-000-000				
Project Title	New Construction of Hand Washing Station				
Drawing Title	Plan & front preview				
Project Location	Kandahar PD#5				
Drawn By:	Designed By:	Checked By:	Reveiw By:	Approved By:	Sheet No:
Name	Eng.Amir M.	Eng.Amir M.			00 of 00
Sign					Scales:
Date					1:100

Reinforcement plan of Reservoir

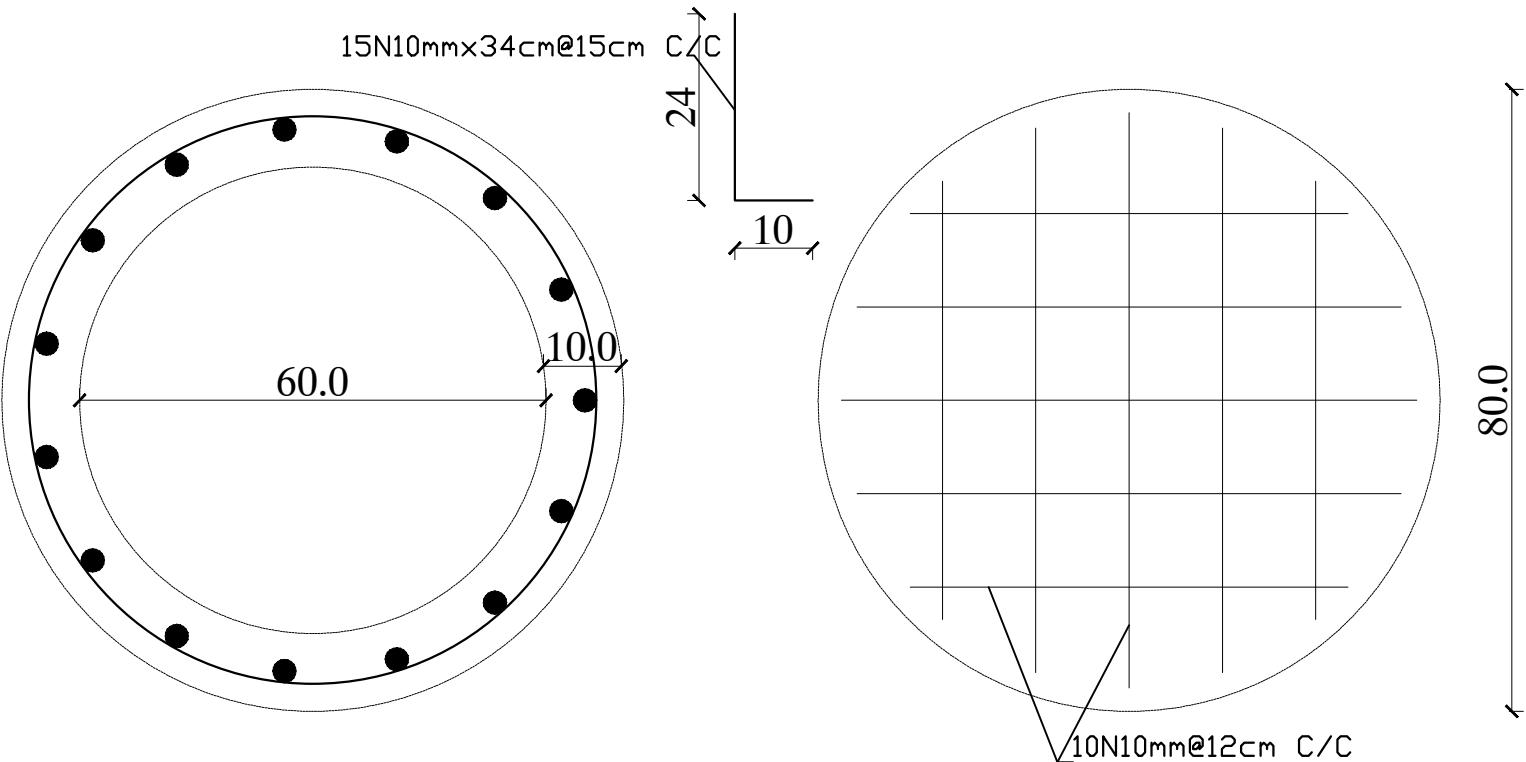



Reinforcement Details of Opening for Reservoir

Reinforcement plan of slab of Reservoir



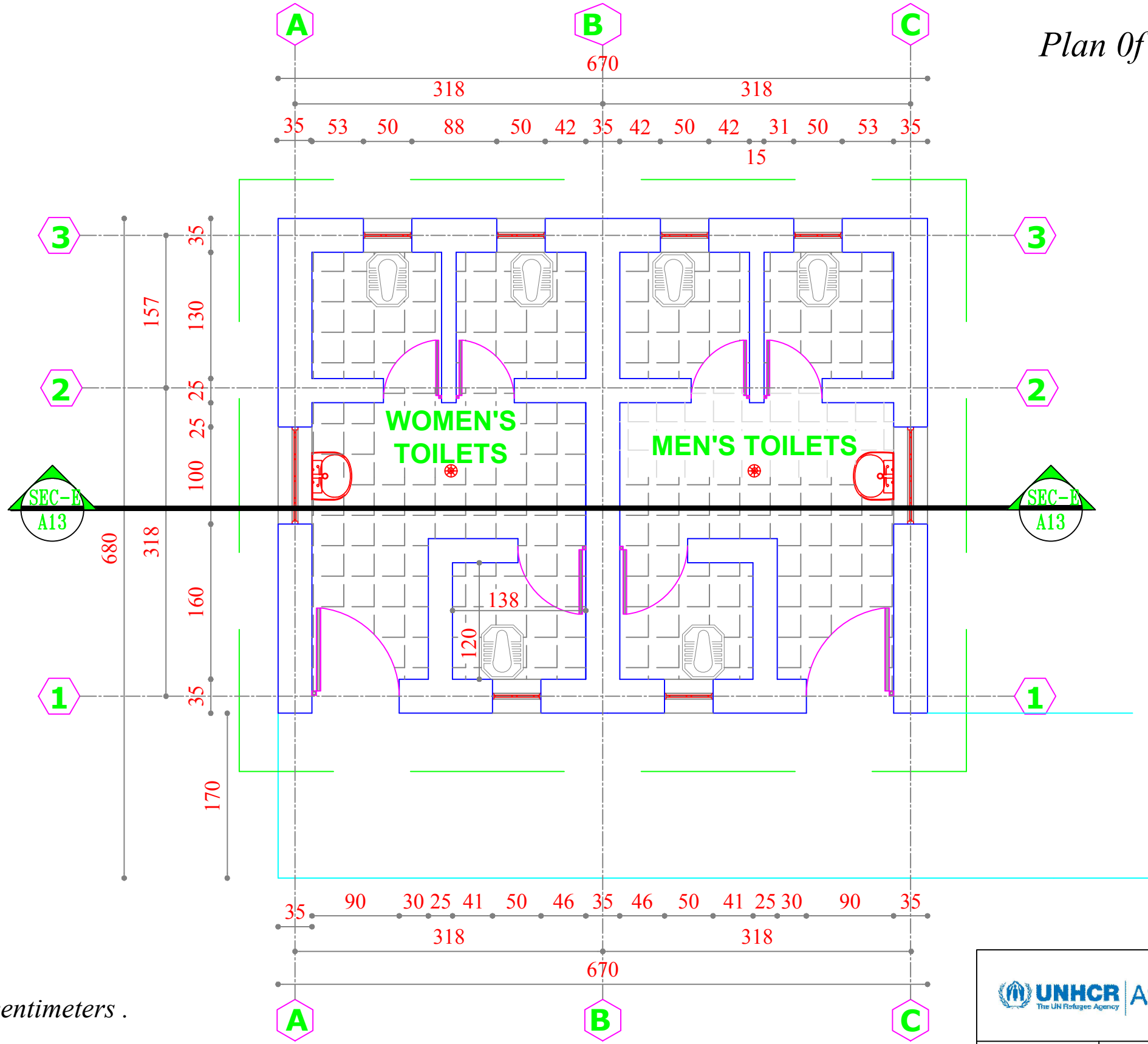
Note: All side Should be Reinforced as shown



<div><div> UNHCR Afghanistan</div><div>KANDAHAR SCHOOL PROJECT</div></div>						
Project Code		KAN-000-000				
Project Title		New Construction of Hand Washing Station				
Drawing Title		Plan & front preview				
Project Location		Kandahar PD#5				
Drawn By:		Designed By:	Checked By:	Reveiw By:	Approved By:	Sheet No:
Name	Eng.Amir M.	Eng.Amir M.				00 of 00
Sign						Scales:
Date						1:100

Plan Of Construction Toilets

SCALE 1:100



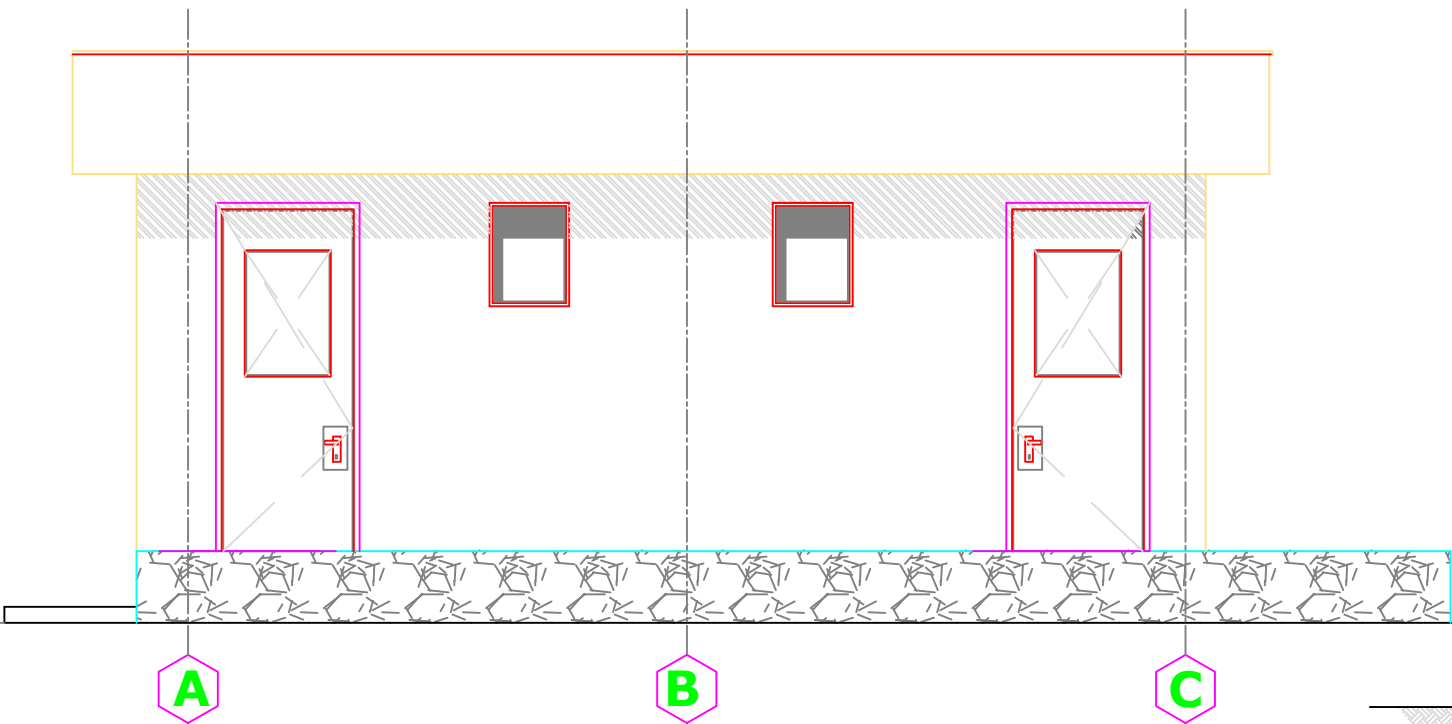
Note:

- 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(A1) $R_a = 2100 \text{ Kg/cm}^2$.
- 8-The curing must be not less than (28) days.

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

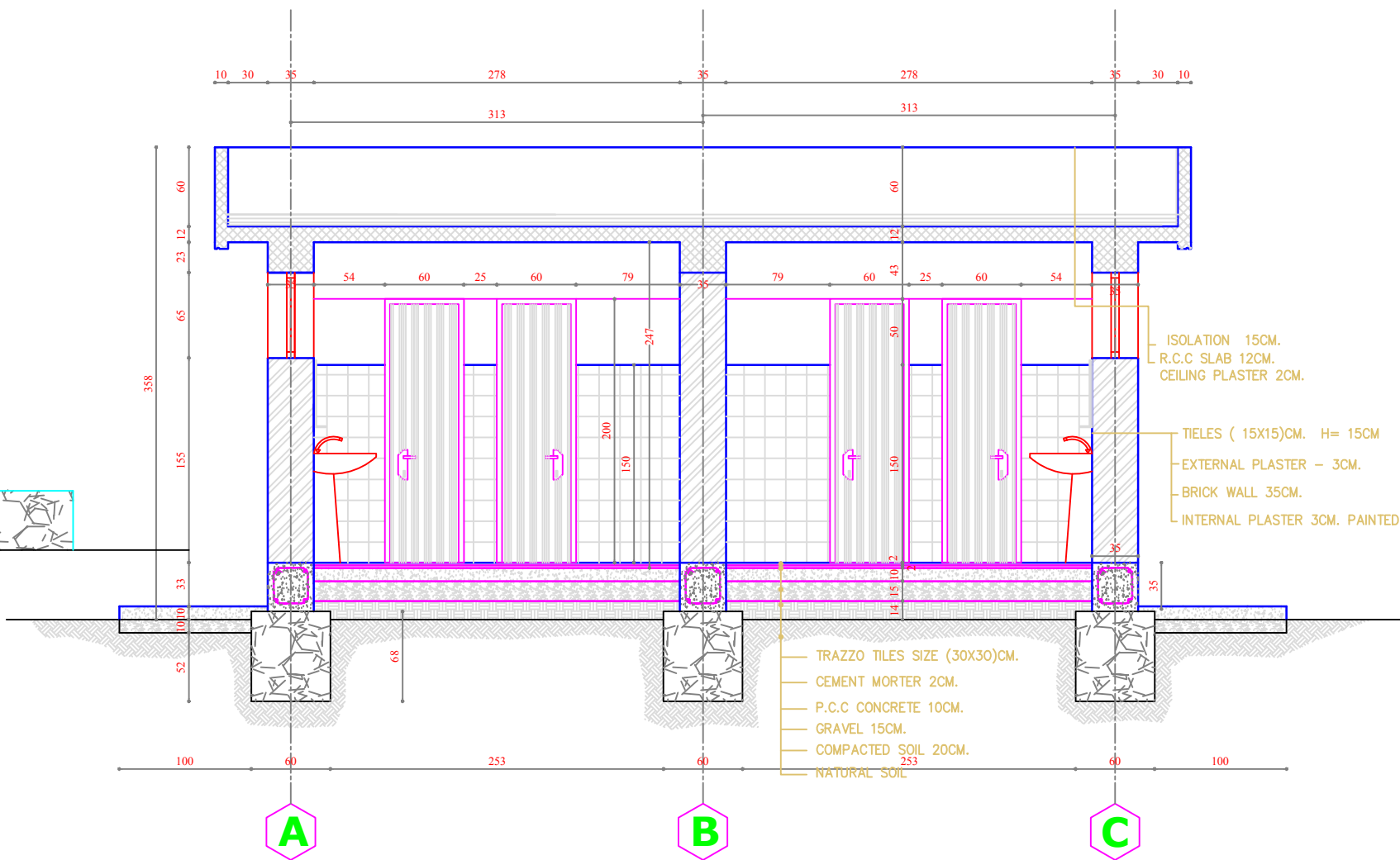
Front Preview Of Construction Toilets

SCALE 1:100




Section A-A

SCALE 1:100



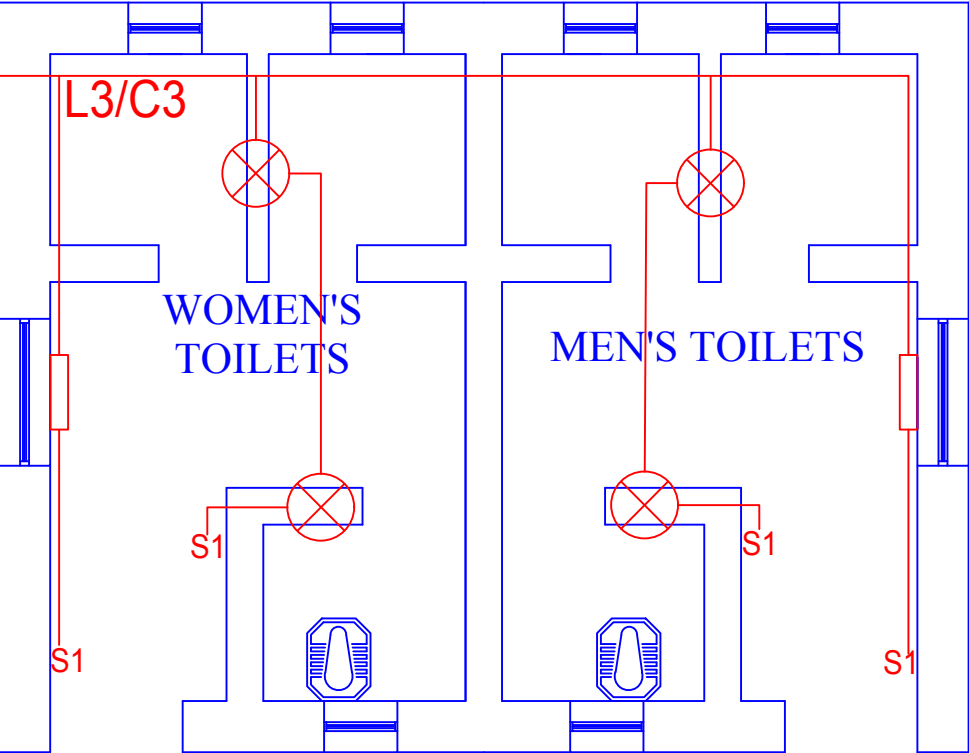
Note:

- 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(A1) $R_a = 2100 \text{ Kg/cm}^2$.
- 8-The curing must be not less than (28) days.

KANDAHAR SCHOOL- PROJECT					
 UNHCR Afghanistan <small>The UN Refugee Agency</small>					
Project Code		ZBL- 000 - 000			
Project Title		New Construction of Toilets			
Drawing Title		front preview & Section of building			
Project Location		Kandahar City			
Drawn By:		Designed By:	Checked By:	Reviw By:	Approved By:
Name	Eng.Amir M.	Eng.Amir M.			
Sign					
Date					
Sheet No:					00 of 00
Scales:					1:100

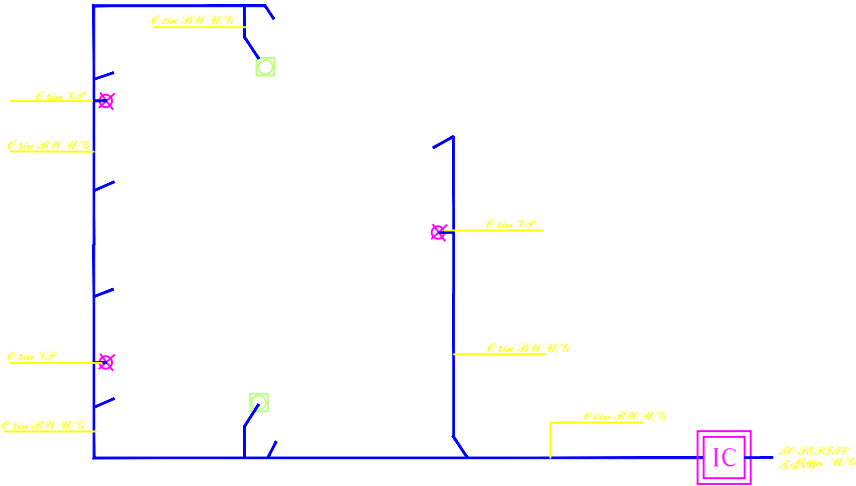
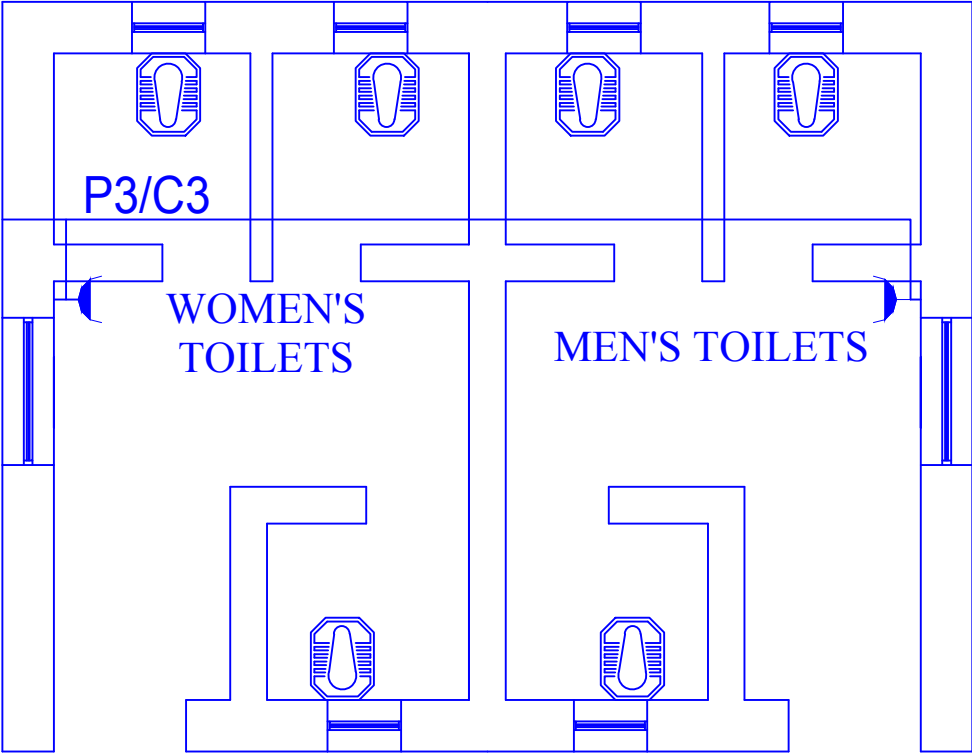
Electration Plan 0f Construction Toilets

SCALE 1:100



Mecanical Plan 0f 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(A1) $R_a = 2100 \text{ Kg/cm}^2$.
- 8-The curing must be not less than (28) days.

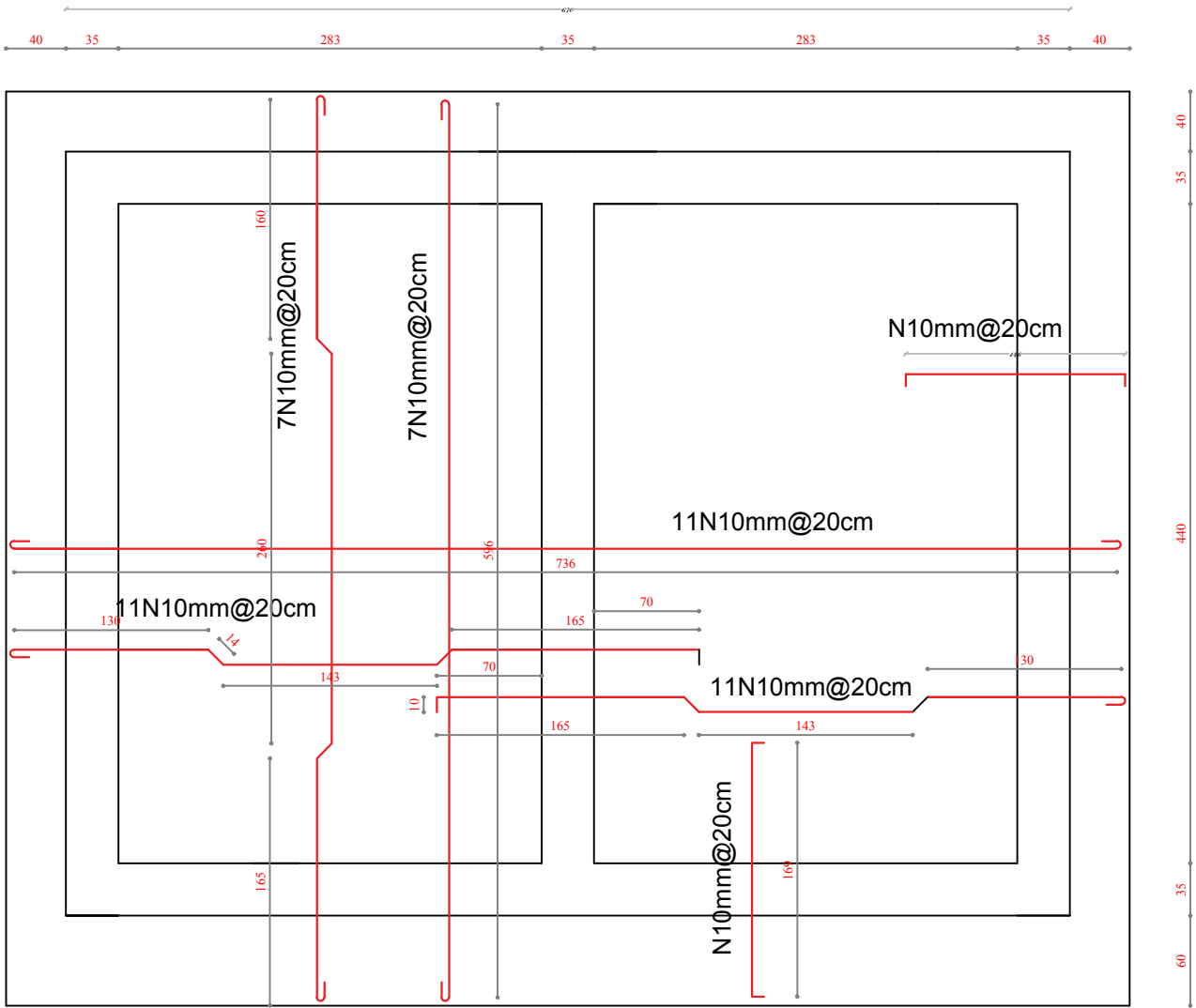
EXTERIOR TOILETS DRAINAGE
BCANE= 1/40

UNHCR Afghanistan
The UN Refugee Agency

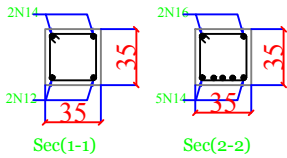
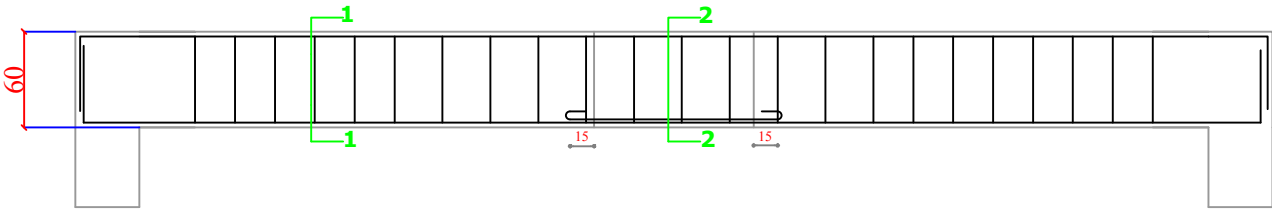
KANDAHAR
SCHOOL- PROJECT

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

STEL BENDING PLAN OF SLAB




TOILAT



Specification:

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

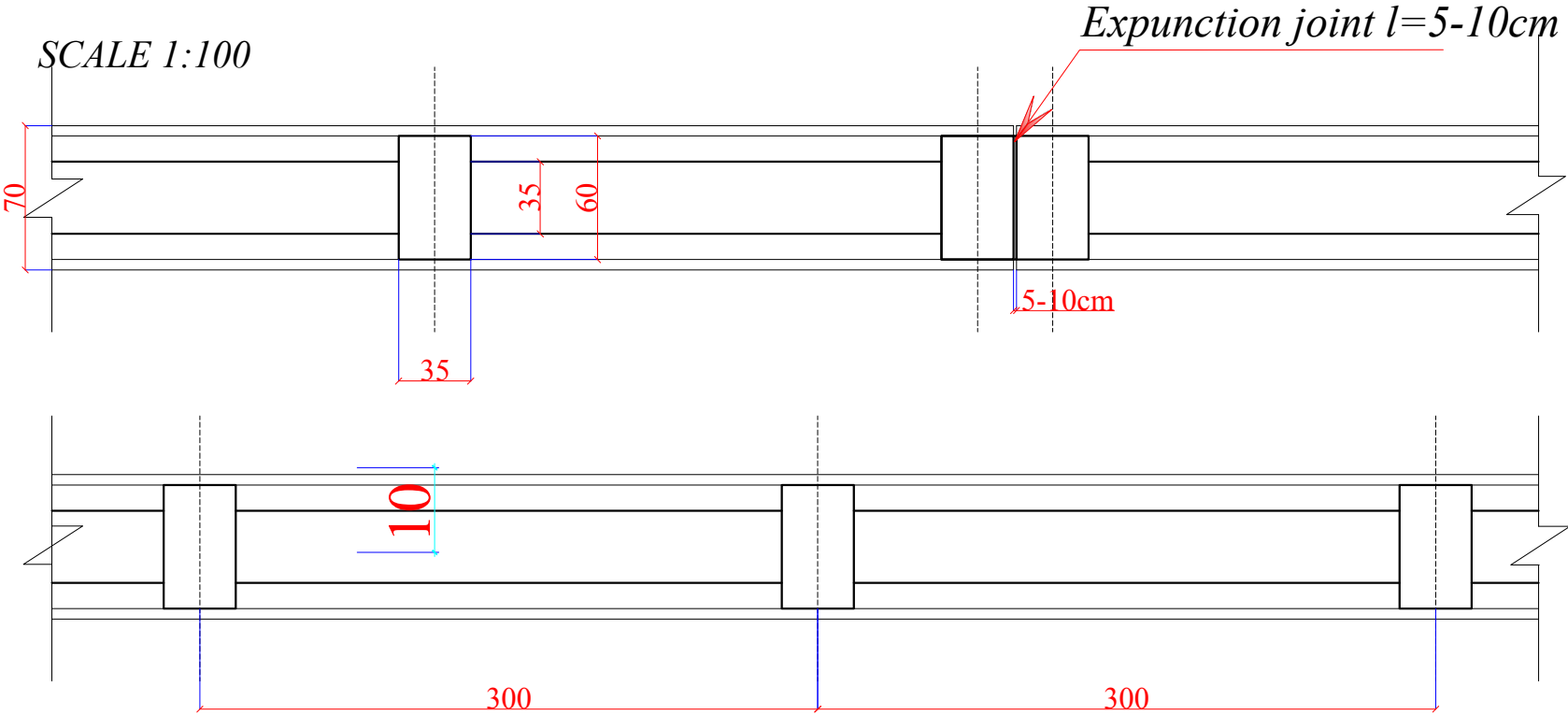
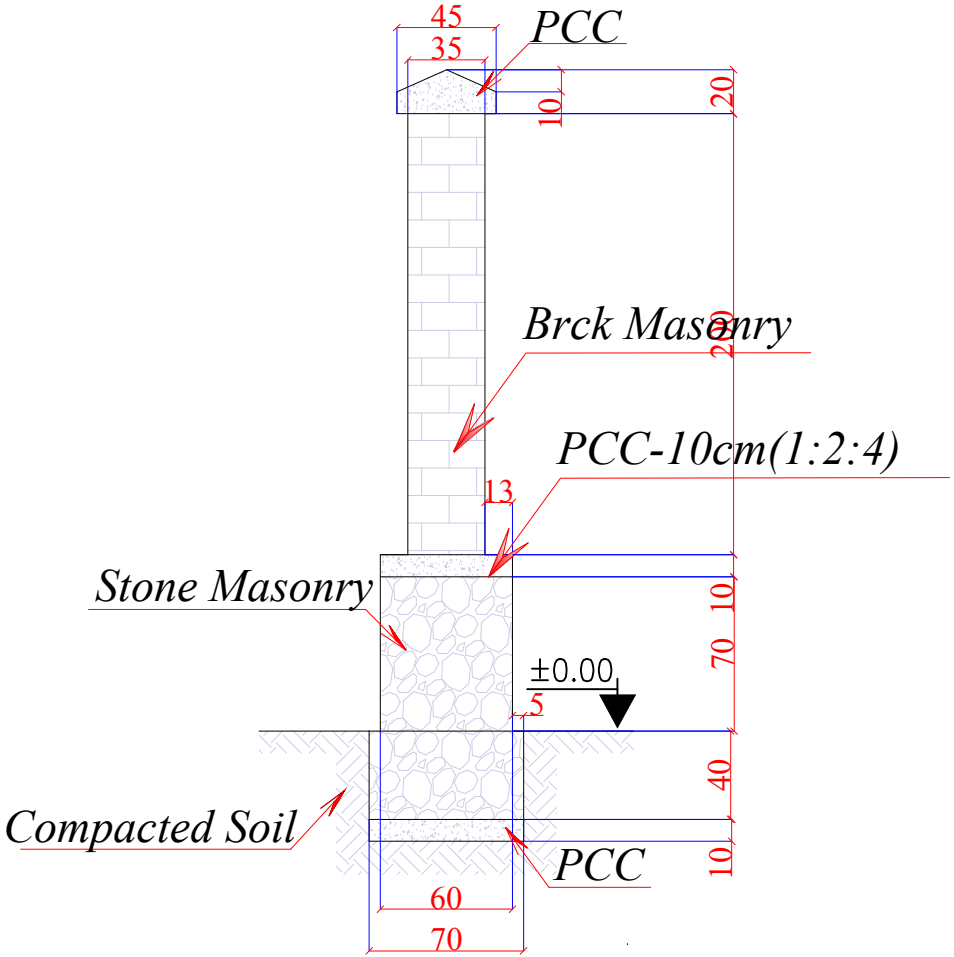
 KANDAHAR SCHOOL- PROJECT					
Project Code		KND- 000 - 000			
Project Title		New Construction of Toilets			
Drawing Title		Reinforcement bending floor of building			
Project Location		Kandahar City			
Drawn By:	Designed By:	Checked By:	Reveiw By:	Approved By:	Sheet No:
Name Eng.Amir M.	Eng.Amir M.		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

Boundary wall for School building

Plan Of Burnet Brick boundary wall


SCALE 1:100

Section A-A



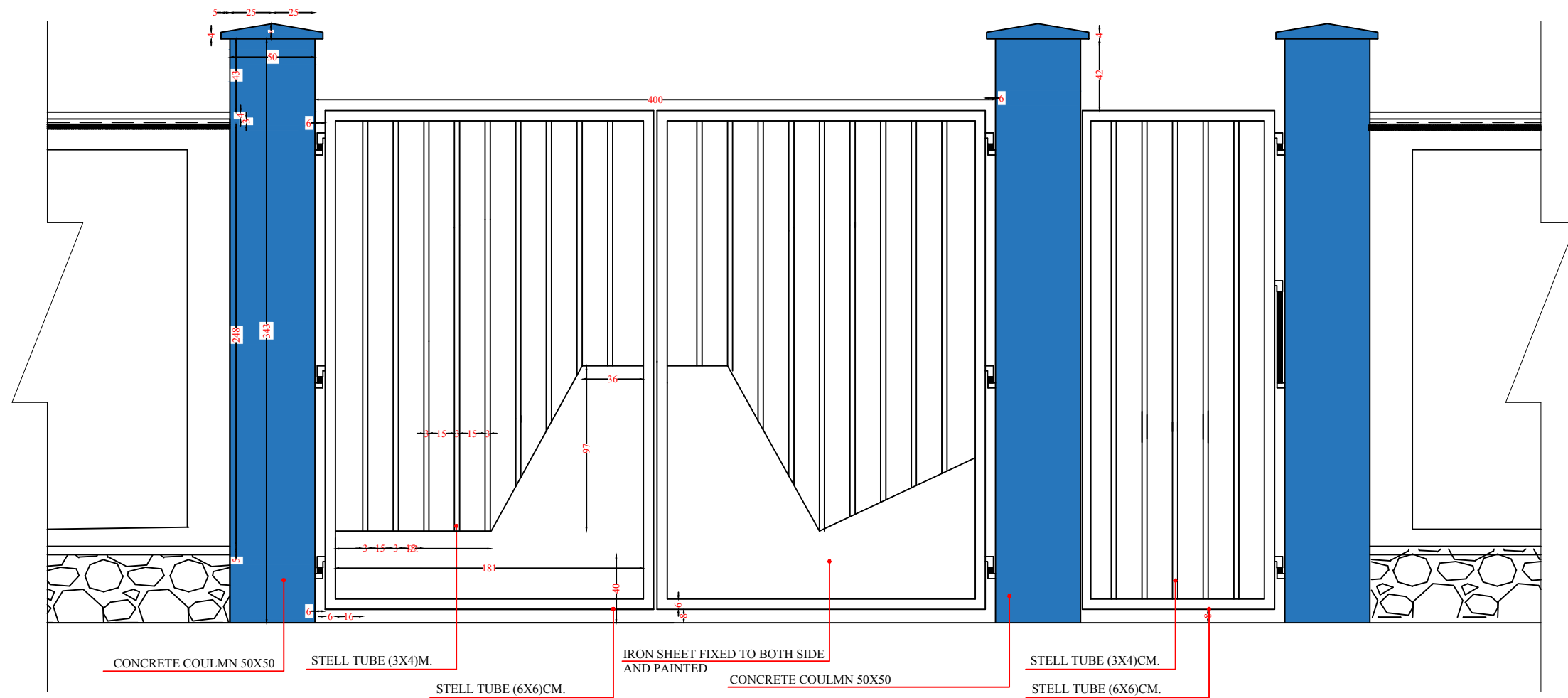
Lenght of Brick, stone masonry boundary wall=458m

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

<div><div> UNHCR <small>The UN Refugee Agency</small></div><div>Afghanistan</div></div> <div>KANDAHAR SCHOOL PROJECT</div>					
Project Code		KAN - 000 - 000			
Project Title		New Construction of Boundary wall			
Drawing Title		Plan & Sections of wall			
Project Location		Kandahar City			
Drawn By:		Designed By:	Checked By:	Reveiw By:	Approved By:
Name	Eng.Amir M.	Eng.Amir M.	Eng.Amir M.		
Sign					
Date					
Sheet No:					00 of 00
Scales:					1:100

Boundary wall School building Main & Smal 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(A1) $R_a = 2100 \text{ Kg/cm}^2$.
- 8-The curing must be not less than (28) days.



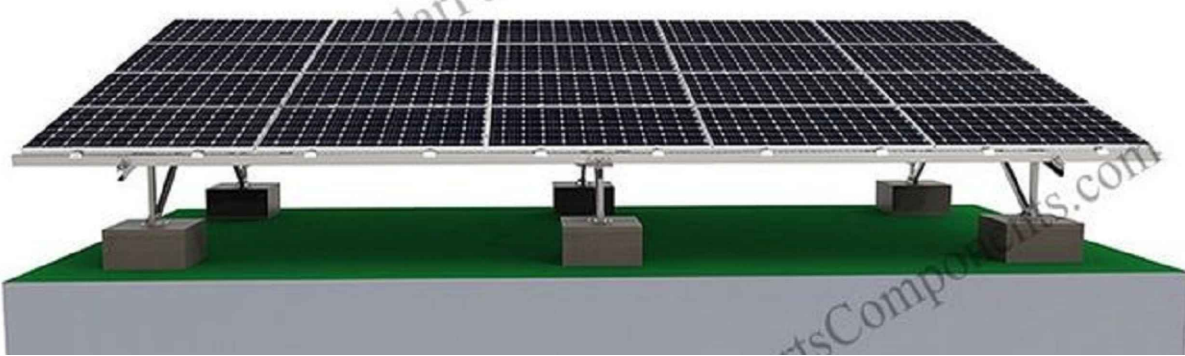
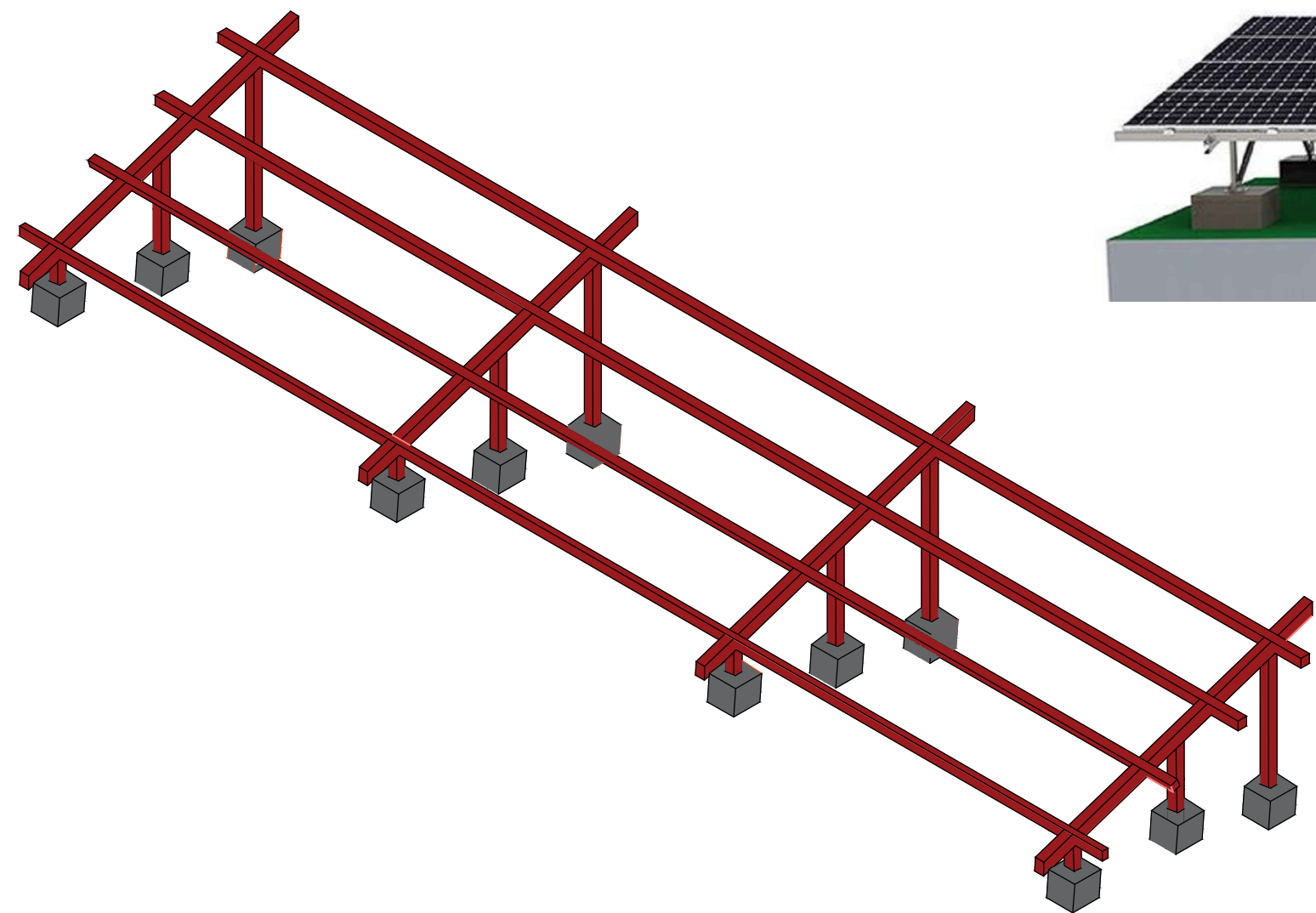
**KANDAHAR
SCHOOL PROJECT**

Project Code	KAN - 000 - 000				
Project Title	New Construction of Boundary wall				
Drawing Title	Front Preview				
Project Location	Kandahar City PD# 5				
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

[illegible]

 UNHCR Afghanistan <small>The UN Refugee Agency</small>						
Project Code		ORG-000-000				
Project Title		New Drilling of Bore Well				
Drawing Title		Plan & front preview				
Project Location		Kandahar Province				
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

Solar panel frame design and specification



Note:

1-All dimension are in meter .

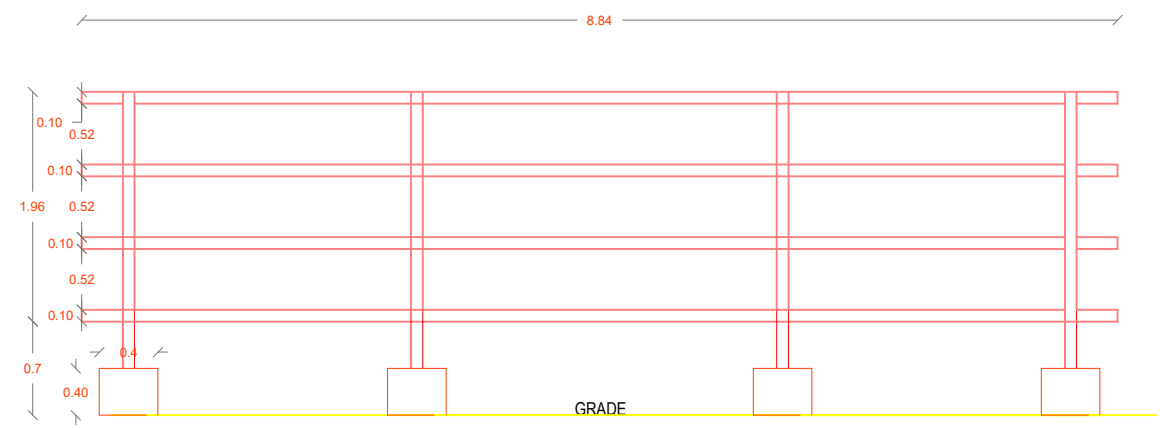


Afghanistan

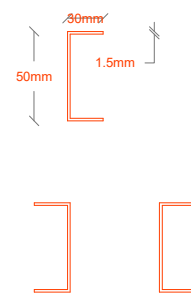


Project code	KDR - 000 - 000		
Project			
Drawing Title	Solar panel frame design and specification		
Project Location	South Region Kandahar Afghanistan		
Drawn By:	Designed By:	Checked By:	
Name	Engr.Esmatullah	Engr.Esmatullah	Engr. Imran danish
Sign			
Date			

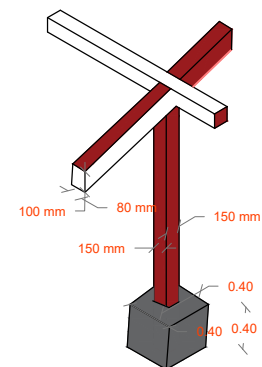
Solar panel frame design and specification



FRONT VIEW



DETAILS of L Ring

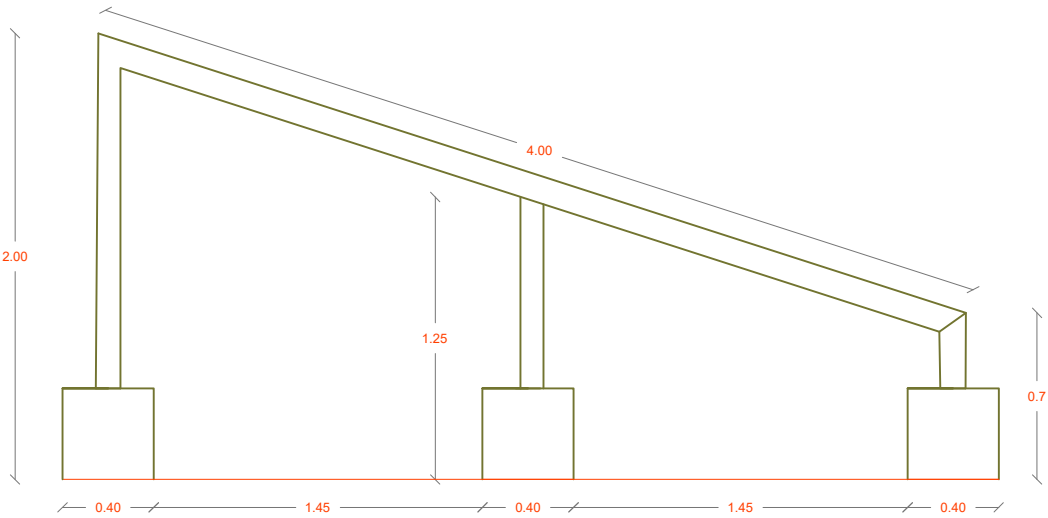


DETAILS of L Ring




SAMPLE IMAGE

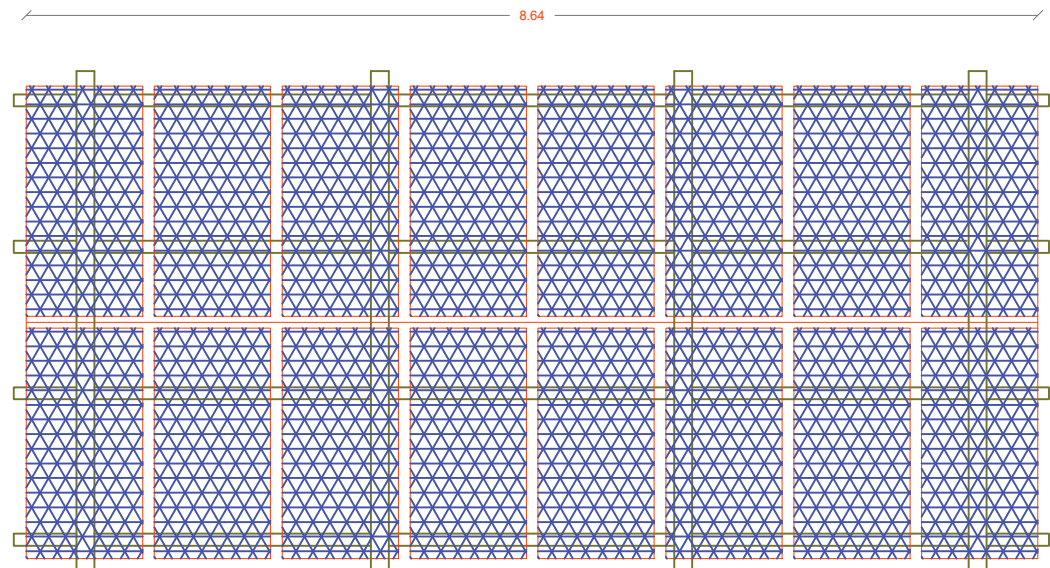
- Note:**
- 1-Steel for frame will be 18 Gouge
 - 2-Solar panels must be netted and bolted in L Ring frames
 - 3-L Ring will be (thickness=1.5mm)
 - 4-Frames must be welded by electricity
 - 5-All dimension are in Meter .



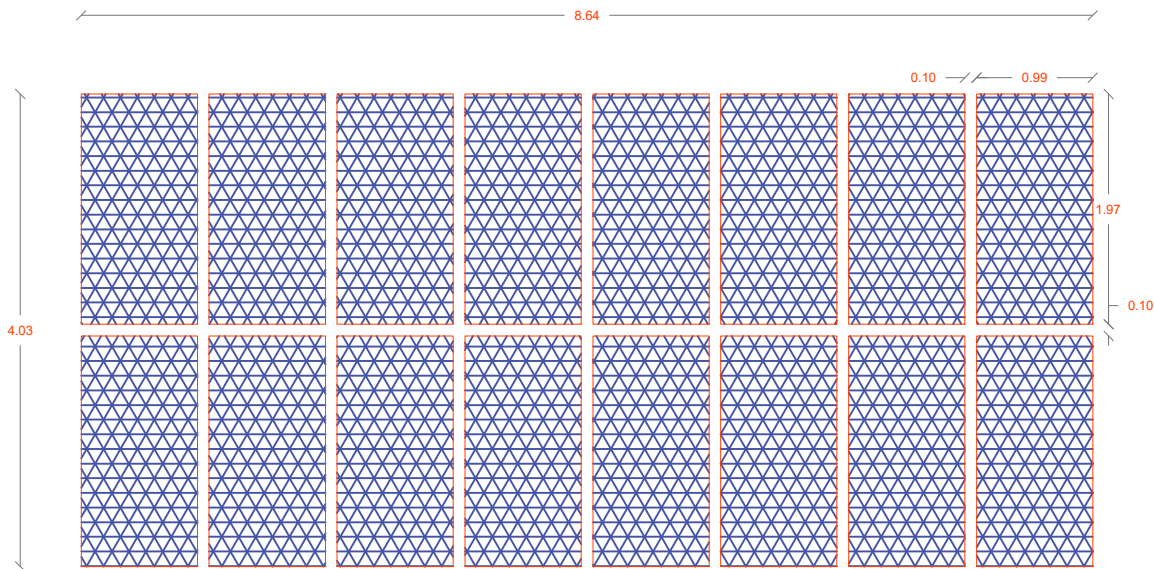
SECTION VIEW

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

Solar panel frame design and specification





TOP VIEW

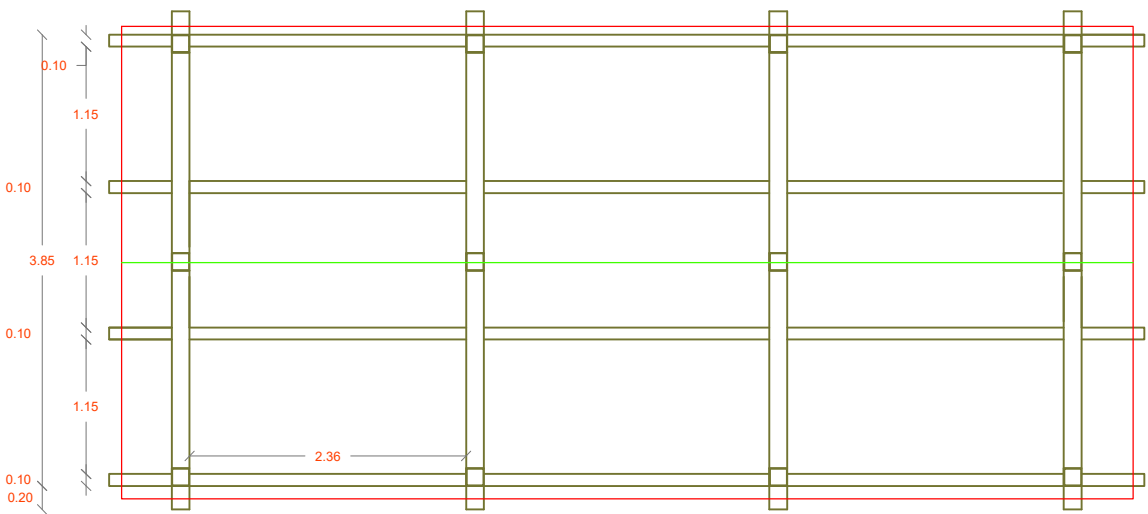


Top VIEW

Note:

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

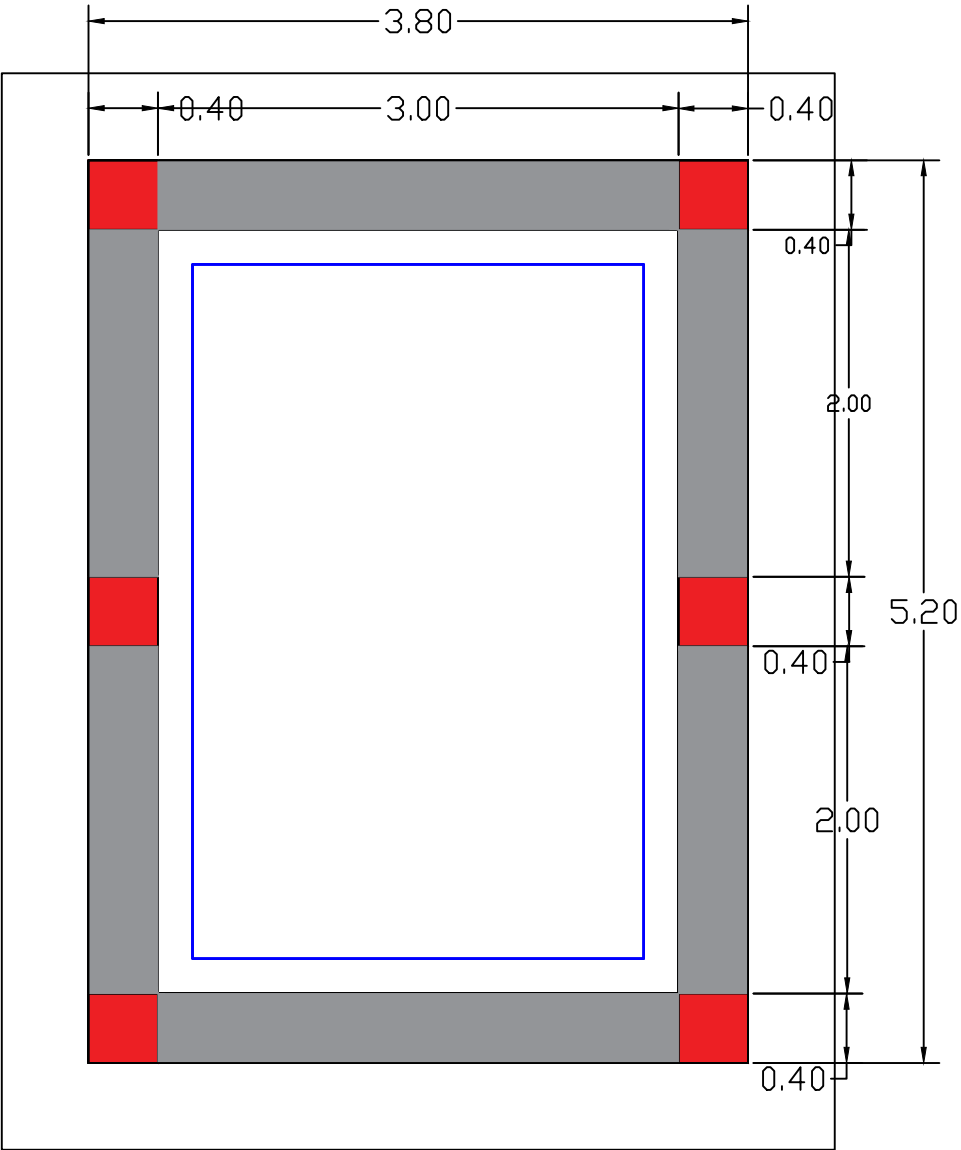
 UNHCR The UN Refugee Agency		Afghanistan		 زنان برای زنان افغان ښځې د افغان ښځو لپاره WOMEN FOR AFGHAN WOMEN
Project code	KDR - 000 - 000			
Project				
Drawing Title	Solar panel frame design and specification			
Project Location	South Region Kandahar Afghanistan			
Drawn By:		Designed By:	Checked By: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



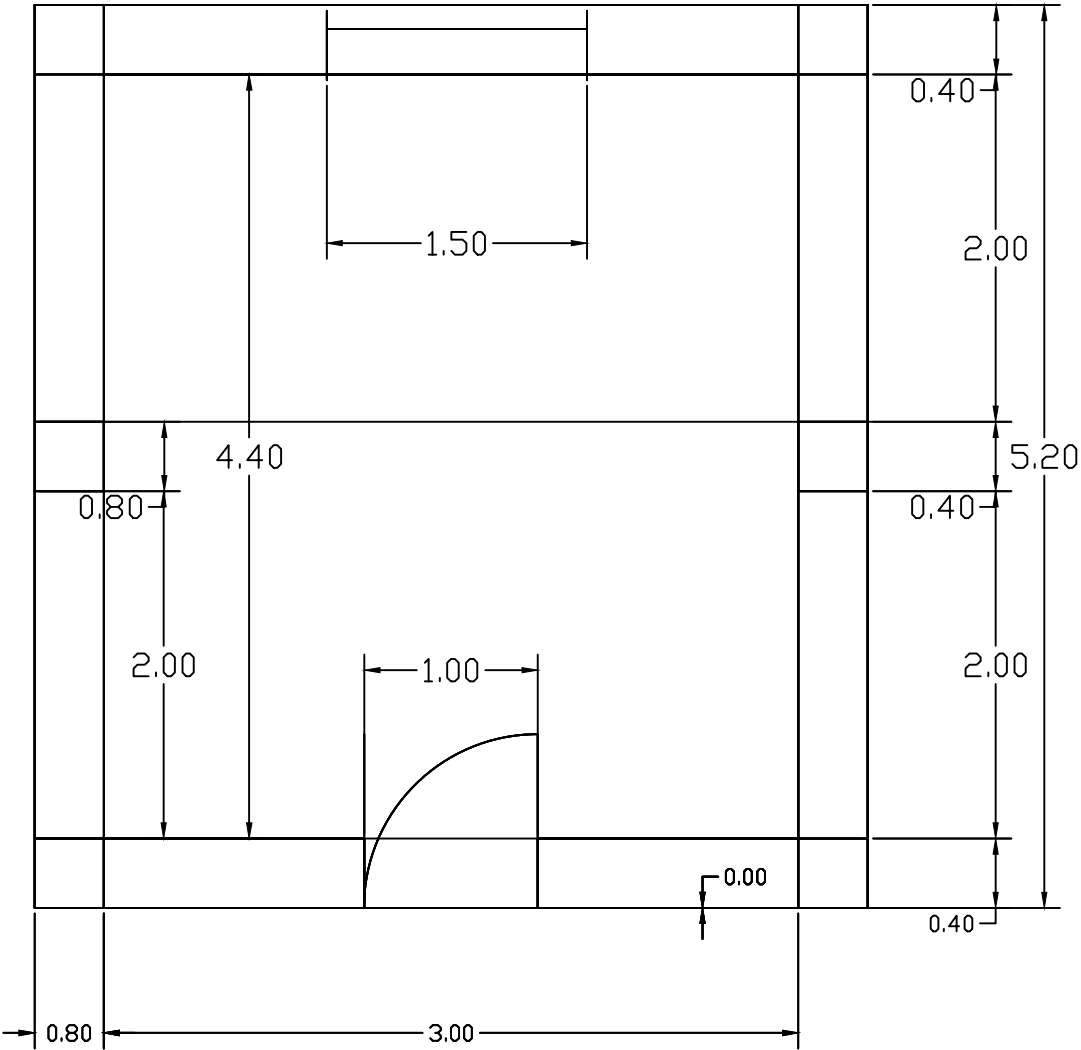
TOP VIEW

WATER RESERVOIR with volume = 30 cum

PLAN OF RESERVOIR

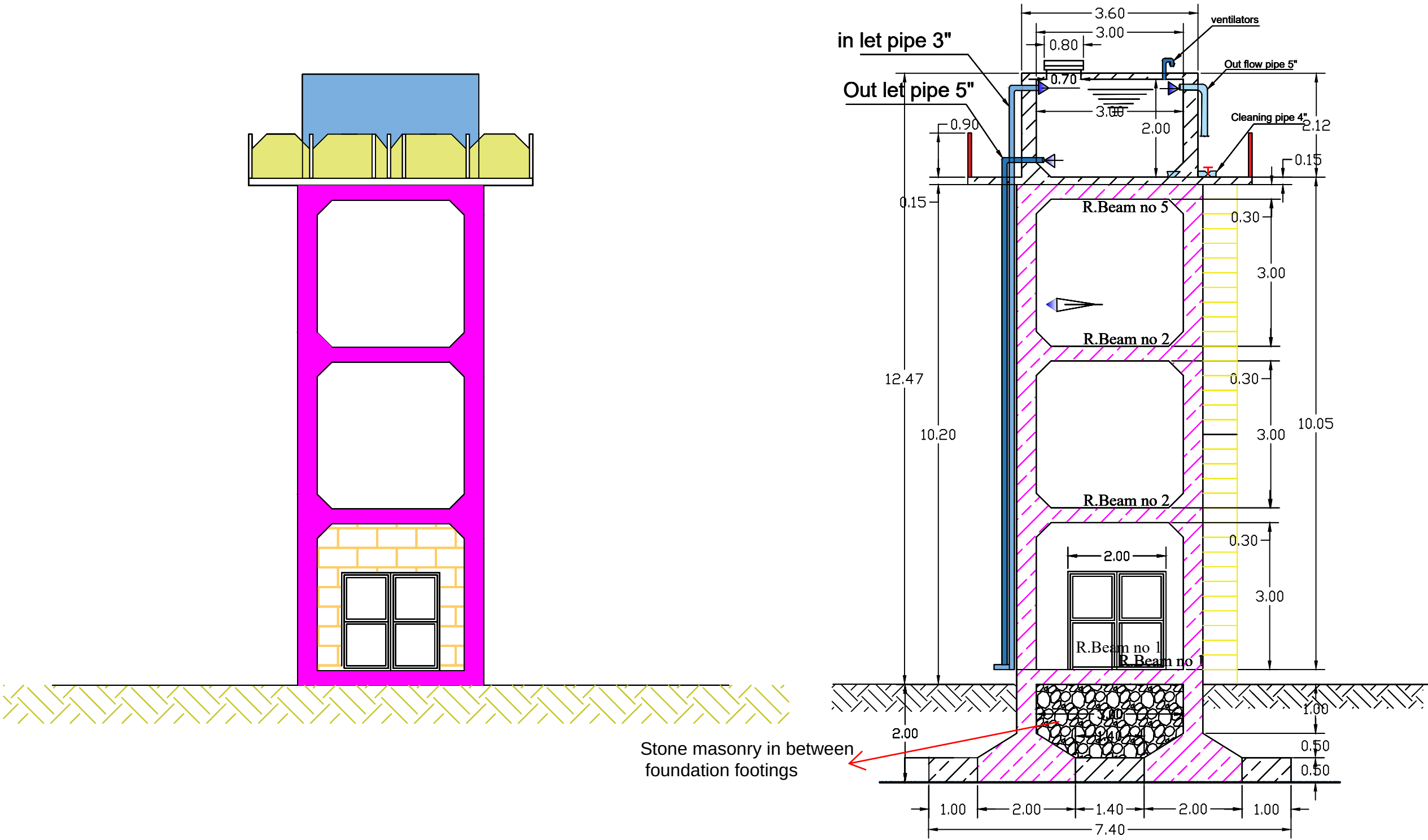


Store room



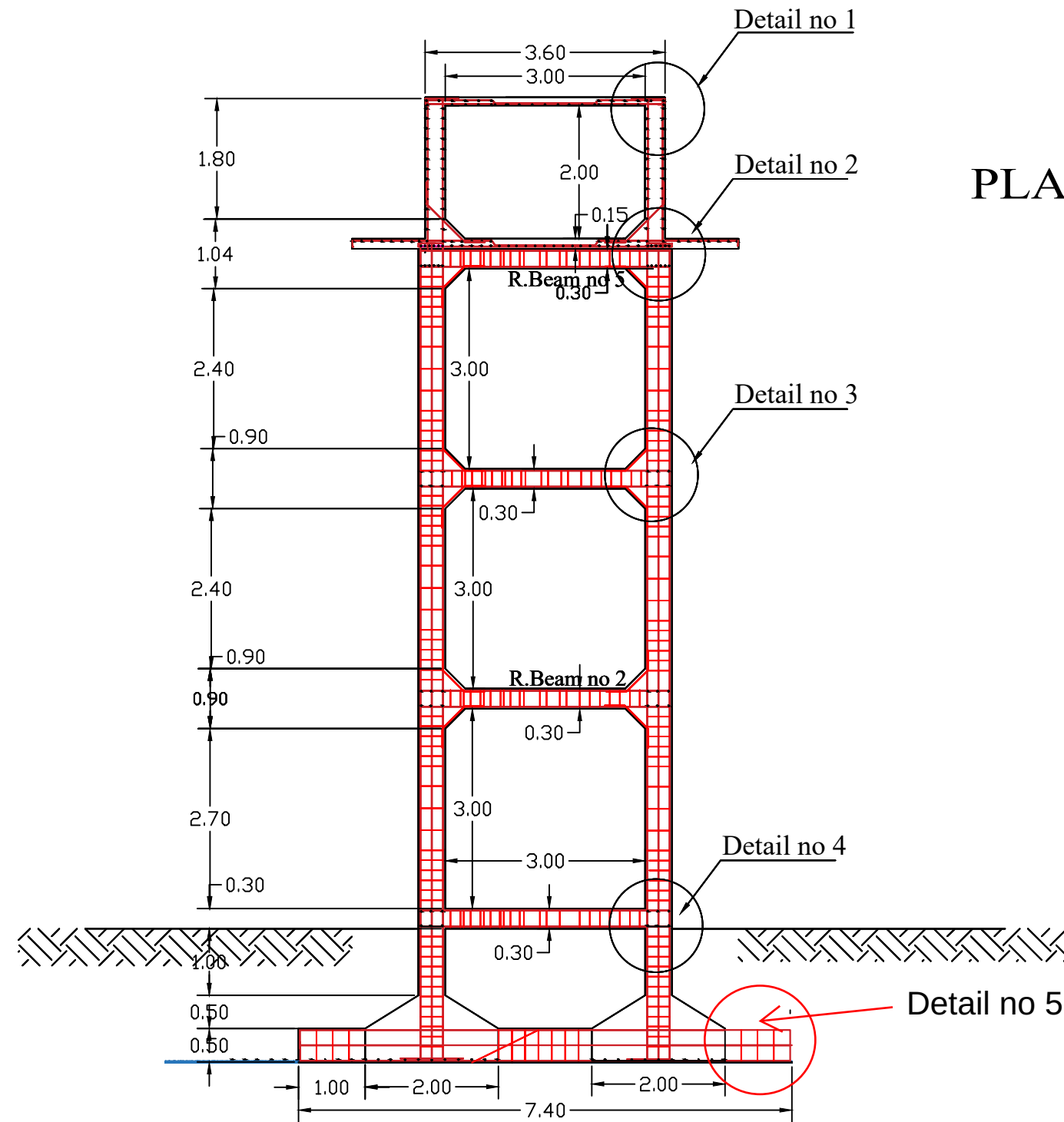
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	1			Structural.D. by		Date	25 09 17		District	
	2			Drawn by		Drawing No.	ST-01		Village	
	3			Approved by						

FRONT ELEVATION & SECTION A-A

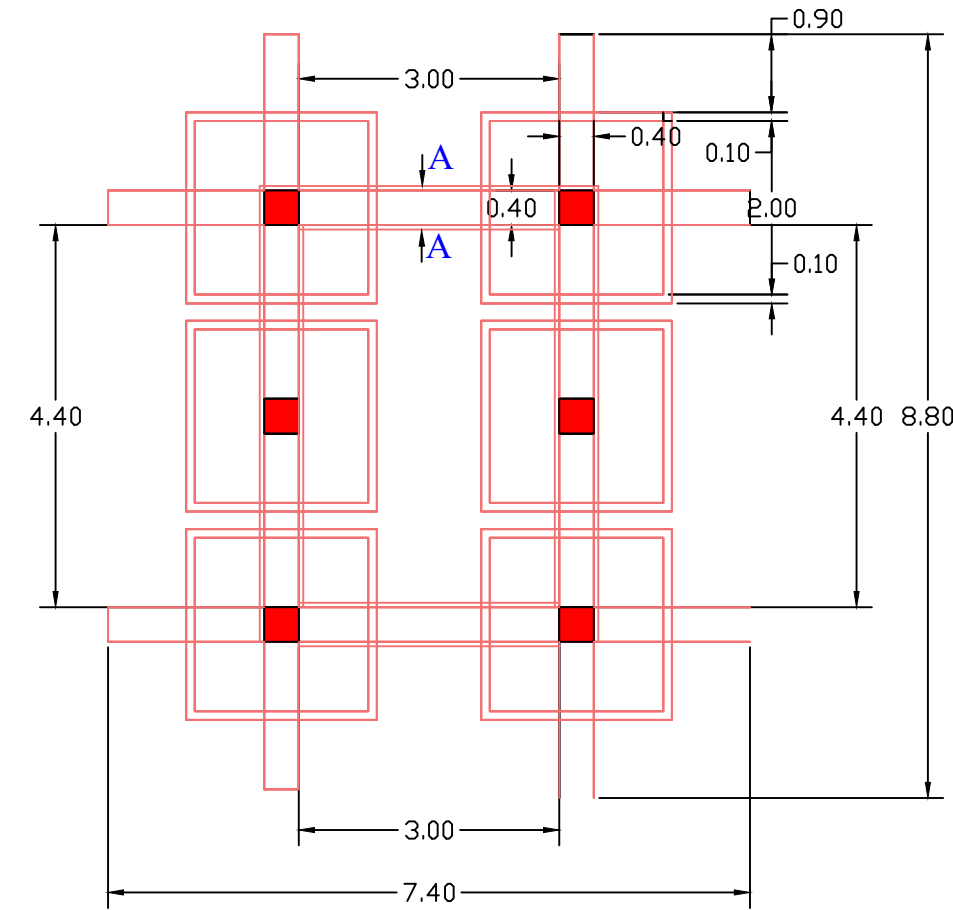


	No	Date	Revision	Survey by	MINISTRY OF EDUCATION AFGHANISTAN OFFICE : PROGRAM:WATER SUPPLY ENGINEERING DEPARTMENT	Scale	1 : 100		Province	Project name: RCC elevated Water reservoir 30.0 m3 Drawing Title: Plan & sections
	1			Structural.D. by		Date	25 09 17		District	
	2			Drawn by		Drawing No.	ST-01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

REINFORCEMENT DETAILS



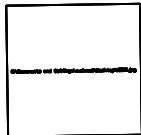
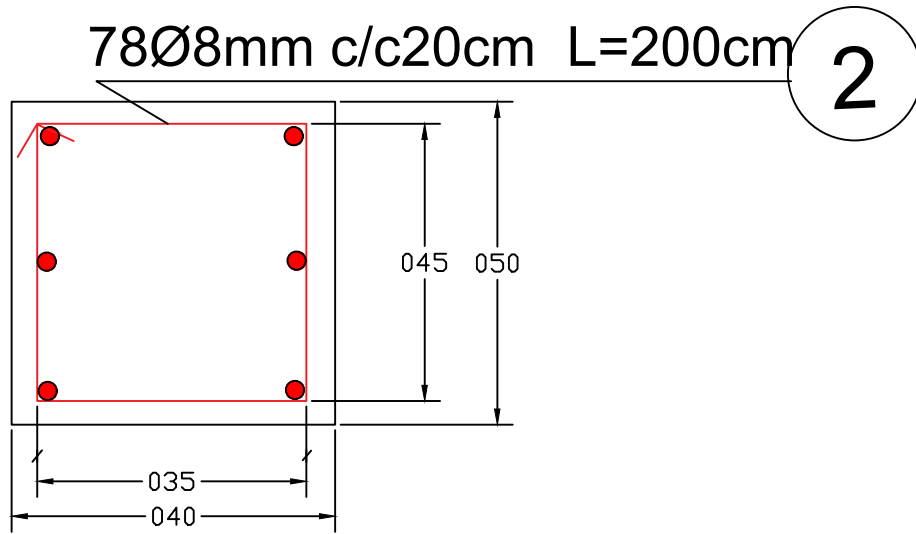
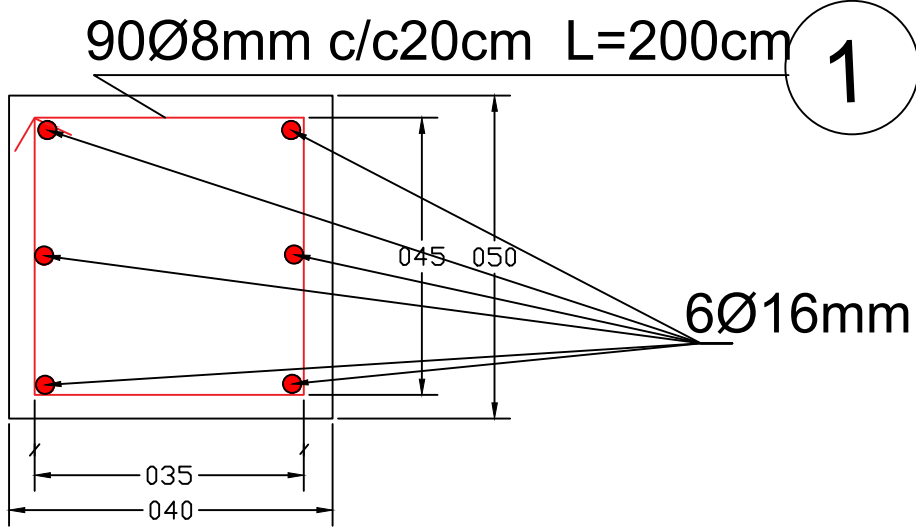
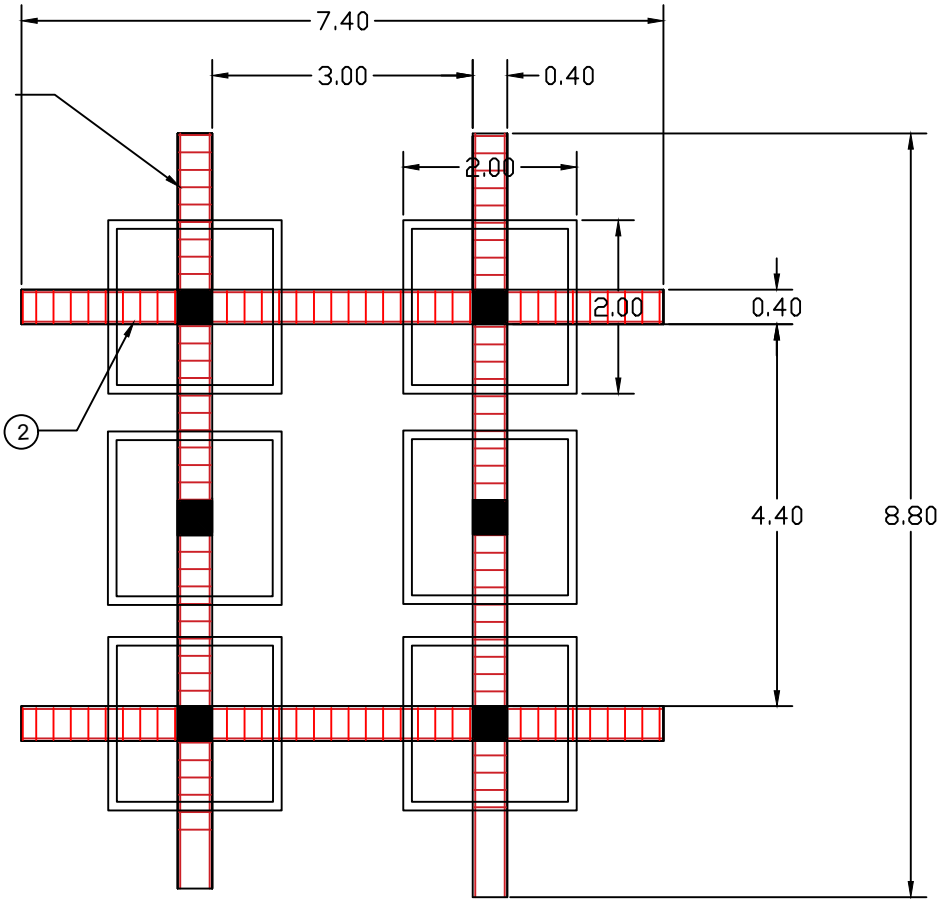
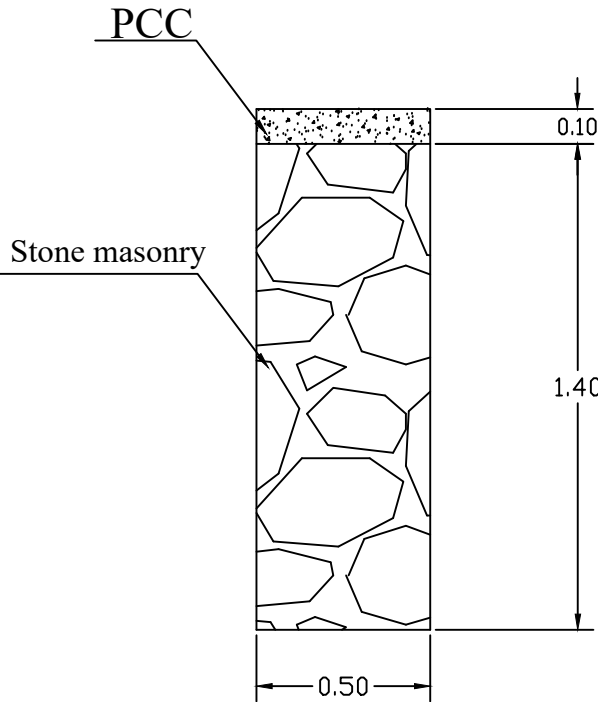
PLAN OF FOUNDATION FOR RESERVOIR



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

PLAN STEEL BAR OF RING BEAM ABOVE FOUNDATION

SECTION A-A
for stone masonry in between
foundation footings



No	Date	Revision	Survey by
1			Structural.D. by
2			Drawn by
3			Approved by

MINISTRY OF EDUCATION AFGHANISTAN
OFFICE :
PROGRAM:WATER SUPPLY
ENGINEERING DEPARTMENT

Scale
Date
Drawing No.

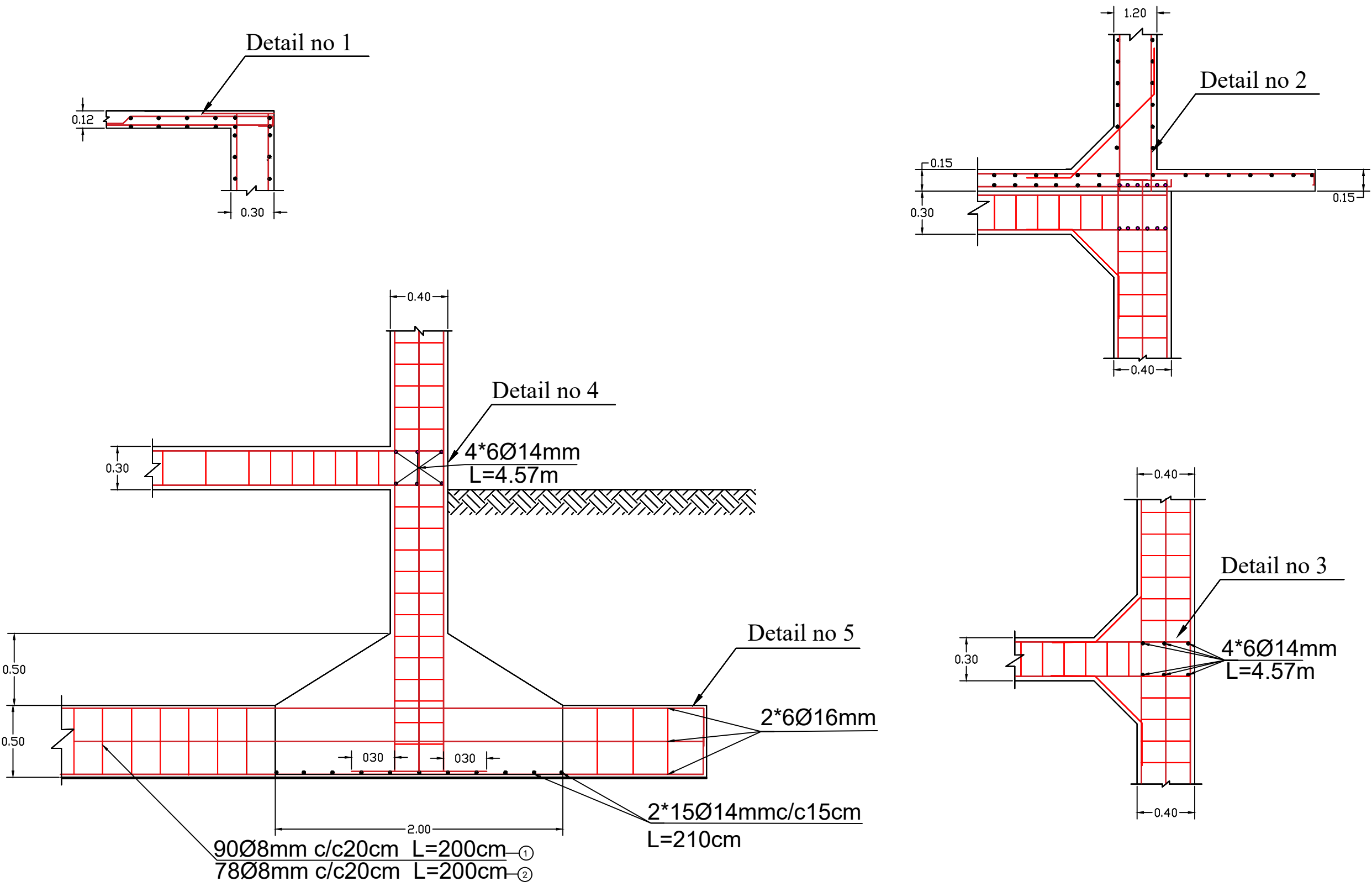
1 : 100
25 09 17
ST-01

No
01
01

Province
District
Village

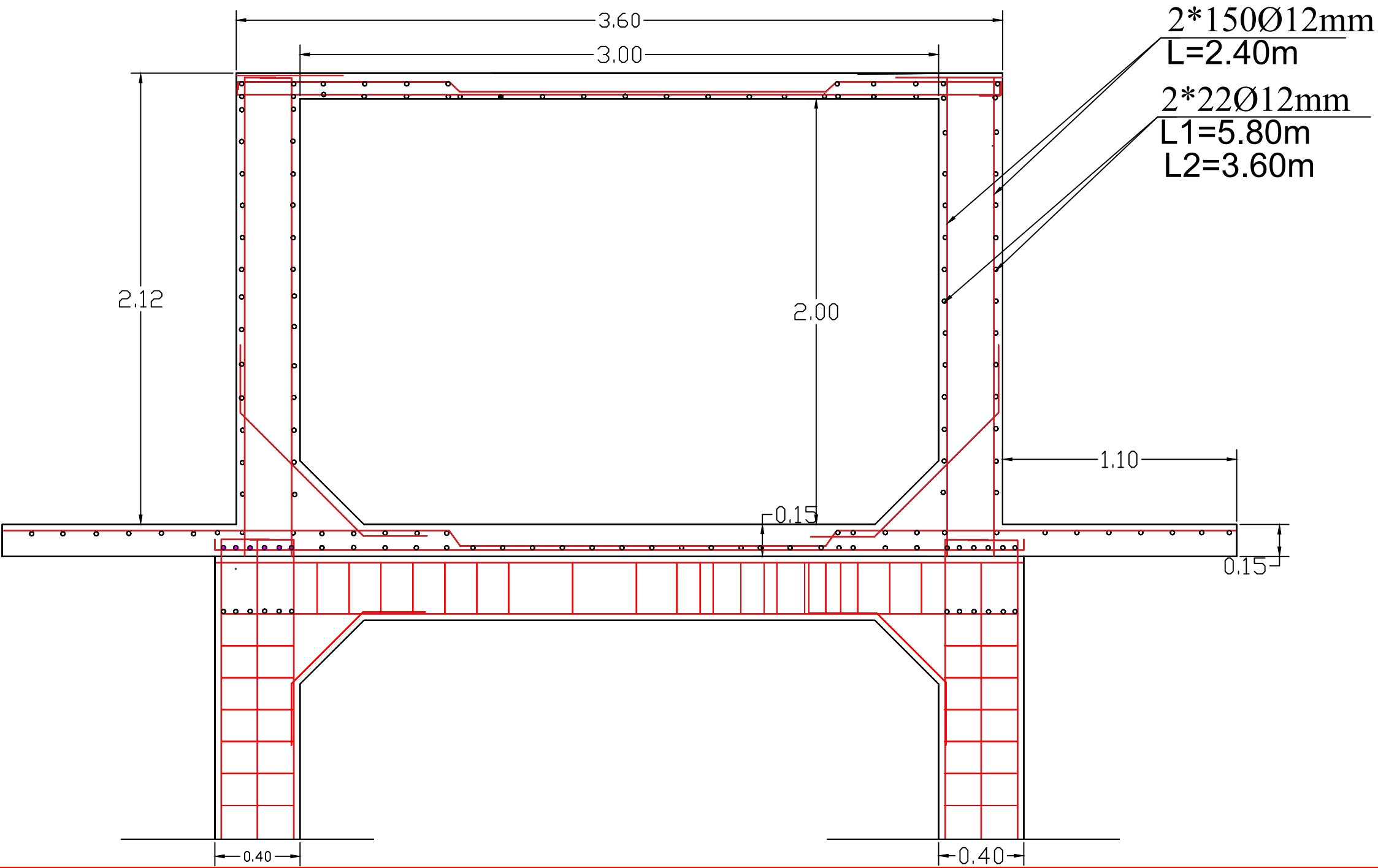
Project name: RCC elevated
Water reservoir 30.0 m3

REINFORCEMENT WITH DETAILS



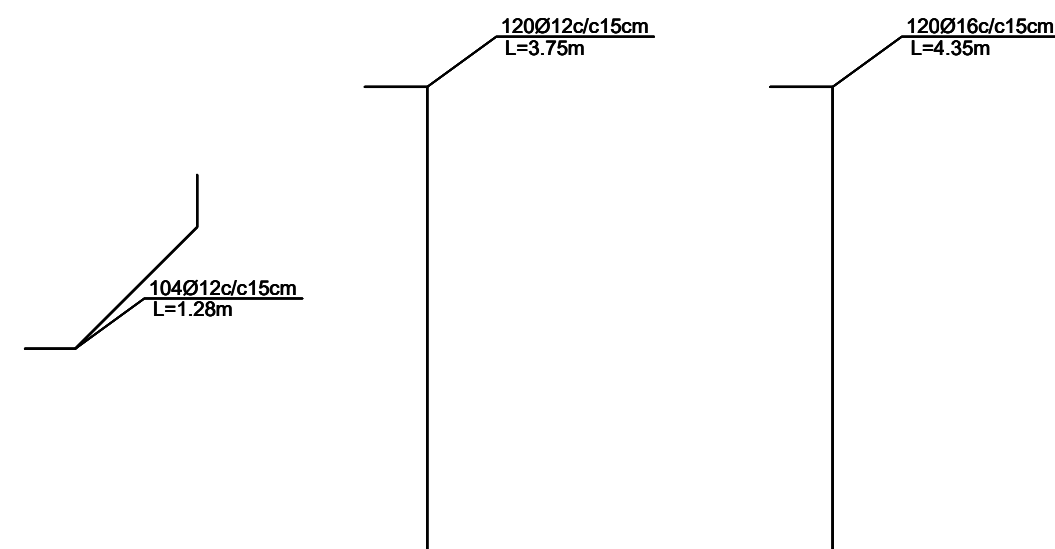
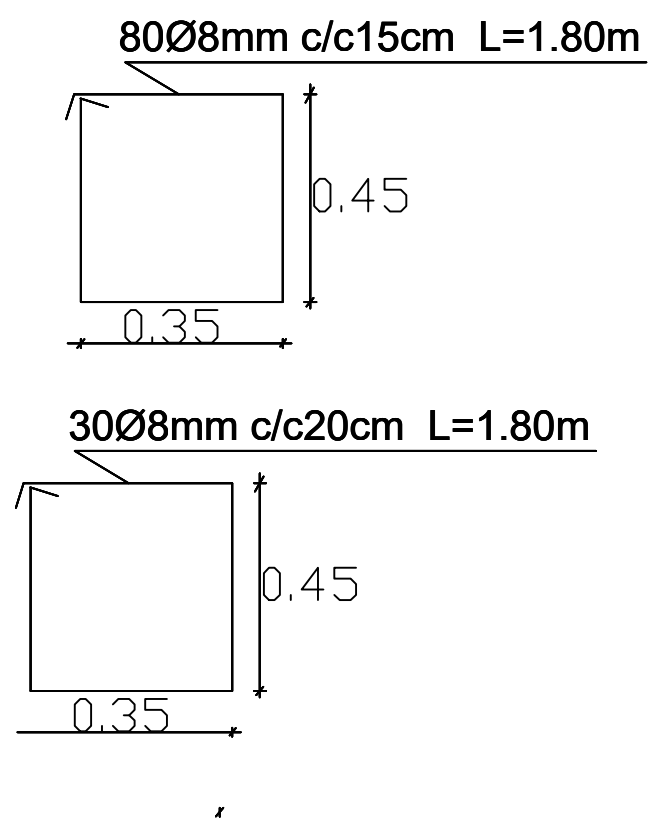
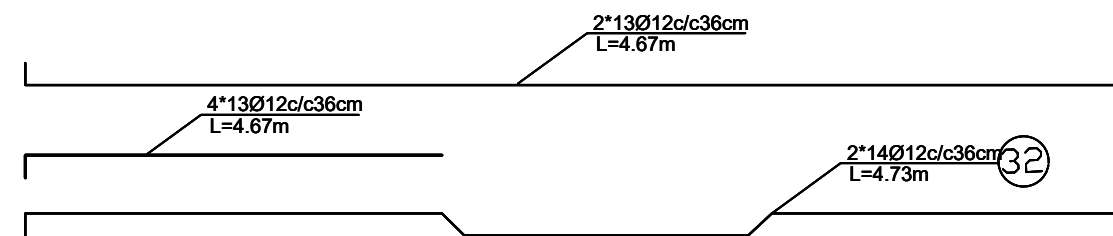
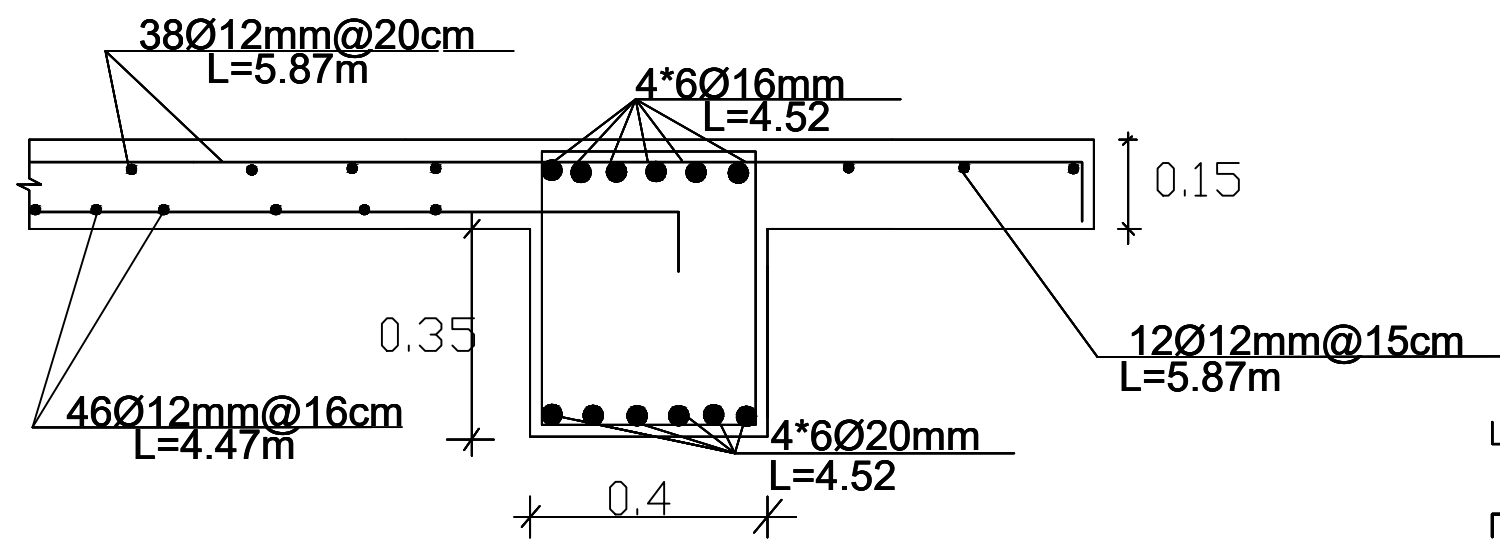
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	1			Structural.D. by		Date	25 09 17		
	2			Drawn by					

RESERVOIR REINFORCEMENT DETAILS

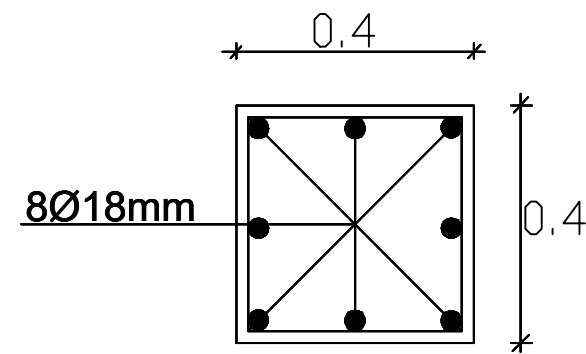


	No	Date	Revision	Survey by	MINISTRY OF EDUCATION AFGHANISTAN OFFICE : PROGRAM:WATER SUPPLY ENGINEERING DEPARTMENT	Scale	1 : 100		Project name: RCC elevated Water reservoir 30.0 m3 Drawing Title: Plan & sections
	1			Structural.D. by		Date	25 09 17		
	2			Drawn by		Drawing No.	ST-01		
	3			Approved by					

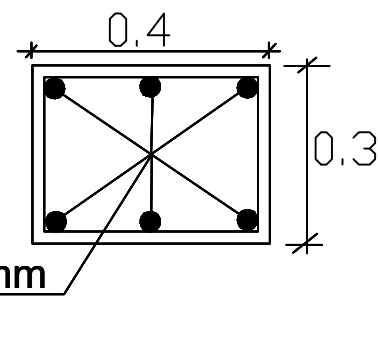
Reinforcement details for detail no 2



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

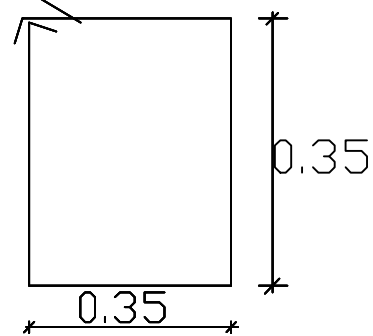


Section details for
Columns

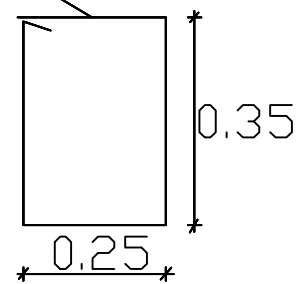


Section details for
Beams

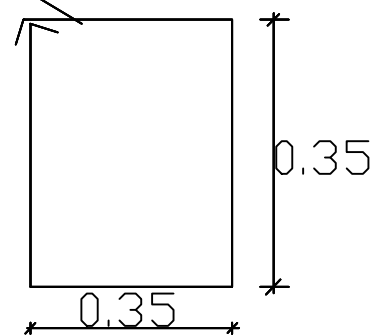
4*45 Ø8mm c/c15cm L=1.6m



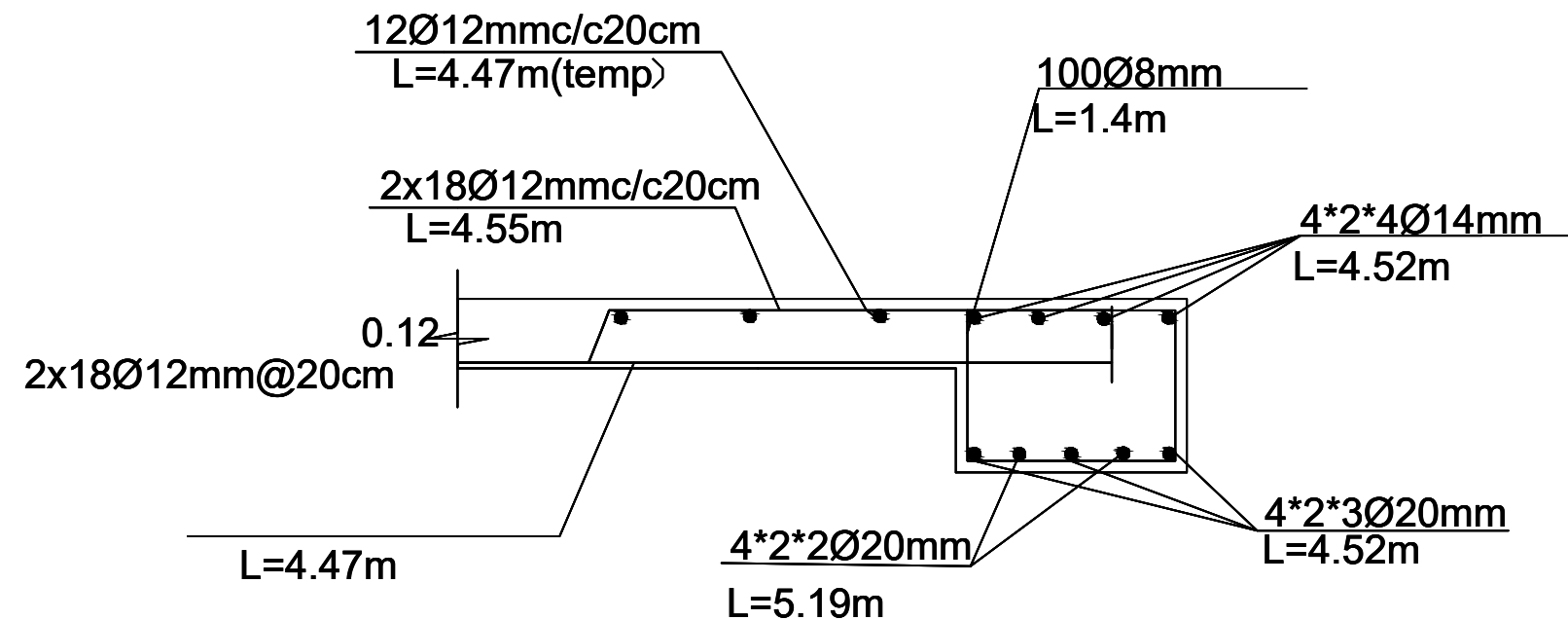
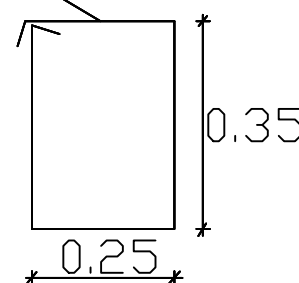
80 Ø8mm c/c15cm L=1.4m



4*14 Ø 8mm c/c25cm L=1.6m



30 Ø8mm c/c20cm



No	Date	Revision	Survey by
1			Structural.D. by
2			Drawn by
3			Approved by

MINISTRY OF EDUCATION AFGHANISTAN
OFFICE :
PROGRAM:WATER SUPPLY
ENGINEERING DEPARTMENT

Scale

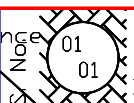
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Date

25 09 17

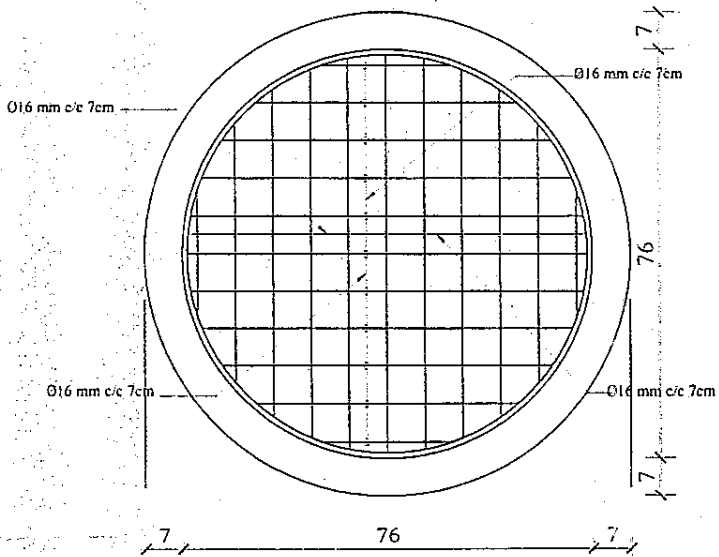
Drawing No.

ST-01



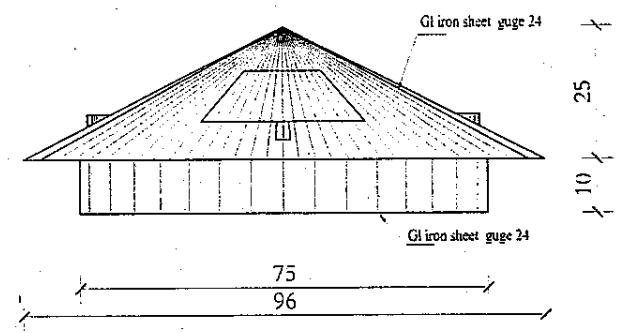
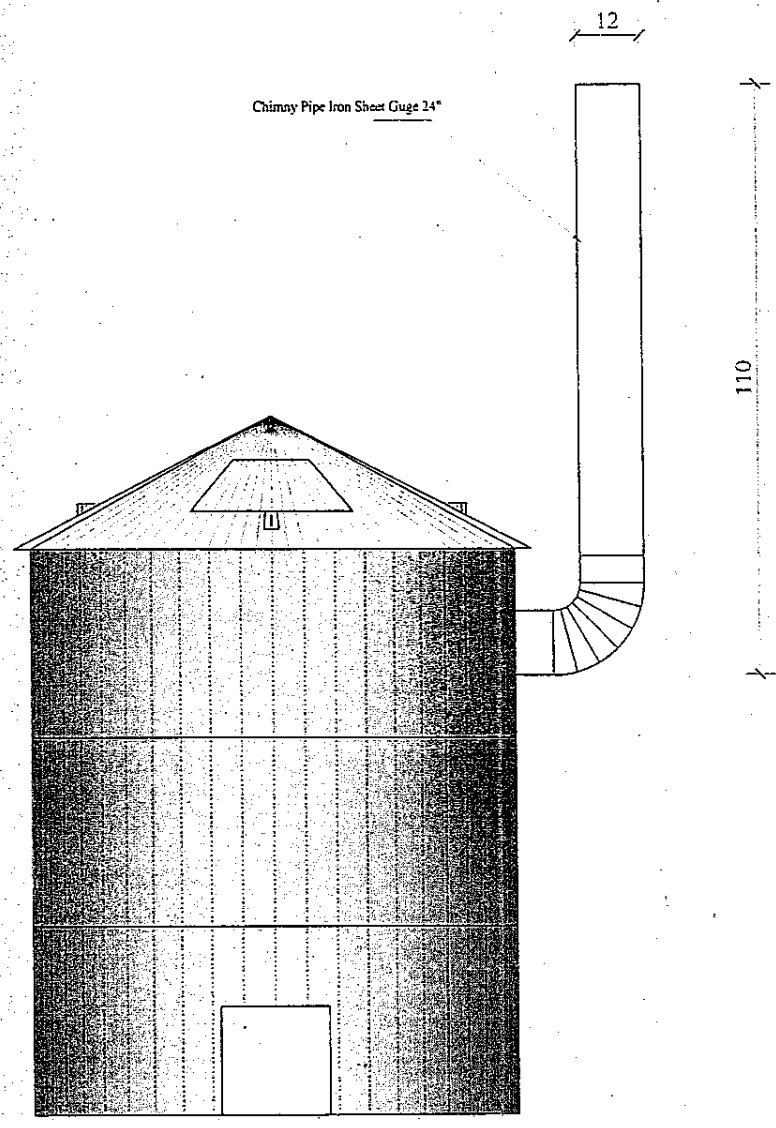
District

Project name: RCC elevated
Water reservoir 30.0 m³
Drawing Title: Plan & sections

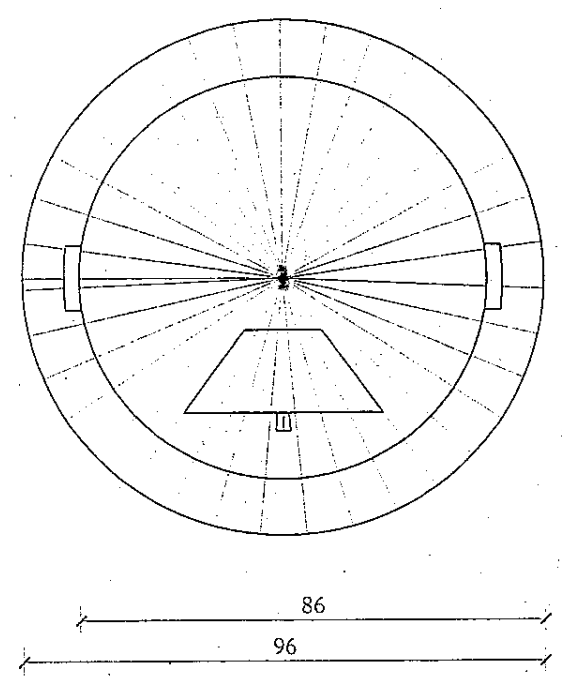


Code 201/240 Lit.

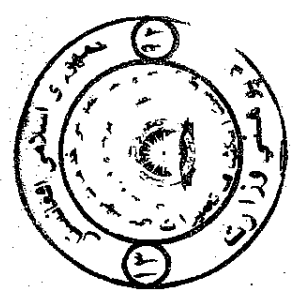
BASKET PRICE 3000 AFGHANIS. (1)




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	<table border="1"> <tr> <td>ARCHITECT/DESIGN</td> <td>ARCHITECT/DESIGN</td> <td>APPROVED/DESIGN</td> <td>ENGINEER/DESIGN</td> <td>TYPE</td> </tr> <tr> <td>DATE/DESIGN</td> <td>DATE/DESIGN</td> <td>DATE/DESIGN</td> <td>DATE/DESIGN</td> <td>DATE/DESIGN</td> </tr> <tr> <td>DATE/DESIGN</td> <td>DATE/DESIGN</td> <td>DATE/DESIGN</td> <td>DATE/DESIGN</td> <td>DATE/DESIGN</td> </tr> </table>	ARCHITECT/DESIGN	ARCHITECT/DESIGN	APPROVED/DESIGN	ENGINEER/DESIGN	TYPE	DATE/DESIGN	DATE/DESIGN	DATE/DESIGN	DATE/DESIGN	DATE/DESIGN	DATE/DESIGN	DATE/DESIGN	DATE/DESIGN	DATE/DESIGN	DATE/DESIGN	PROJECT NAME DRAWING TITLE	PCC GARBAGE Ø 90 CM View & detail
ARCHITECT/DESIGN	ARCHITECT/DESIGN	APPROVED/DESIGN	ENGINEER/DESIGN	TYPE															
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