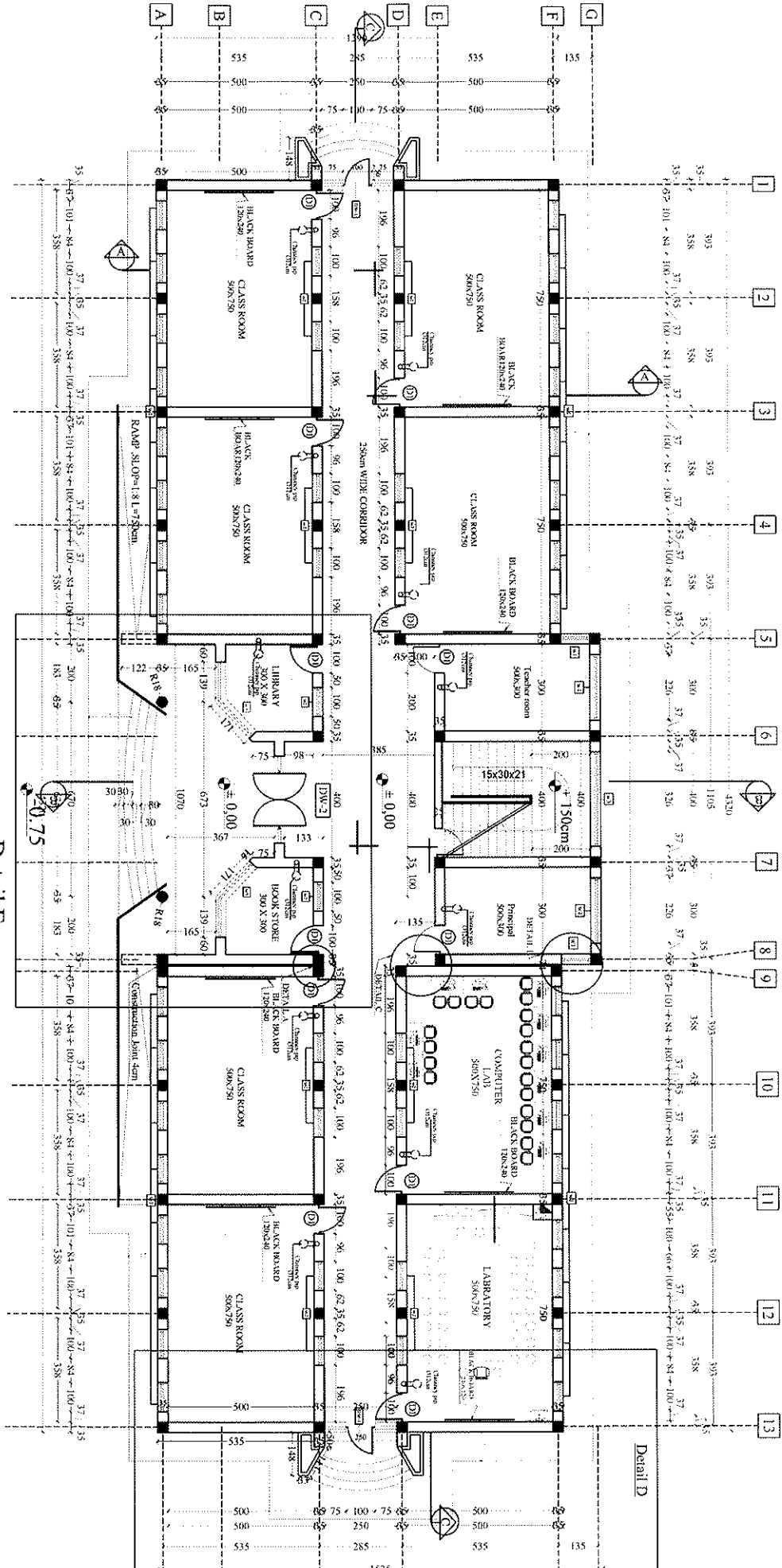
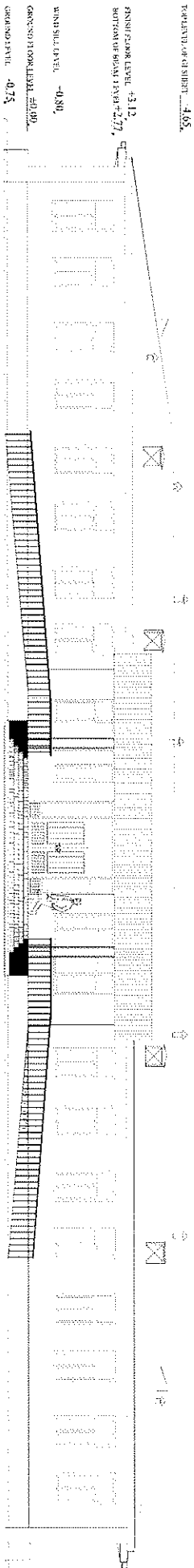


# GROUND FLOOR PLAN

## Detail E





FRONT ELEVATION

MINISTRY OF EDUCATION  
DEPARTMENT OF CONSTRUCTION

STANDARD SCHOOL DESIGN  
IN AFGHANISTAN

APPROVED BY: AHMEDZ TAJIBY  
ENGINEER  
DATE: JAN 2013

APPROVED BY: ENGR. AB MOHAMED  
SCALE: AS SHOWN (A1)  
DATE: JAN 2013



PROJECT NAME  
PROJECT TYPE & CLASS ROOM SCHOOL METAL SHEET ROOF  
DRAWING TITLE  
FRONT ELEVATION

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

[illegible]



MINISTRY OF EDUCATION  
DEPARTMENT OF CONSTRUCTION

STANDARD SCHOOL DESIGN  
IN AFGHANISTAN[illegible]

|                  |                 |
|------------------|-----------------|
| APPROVED EDITION | ENGAB.MOMIN.RAD |
| SCALE            | AS SHOWN (A1)   |
| DATE             | JAN 2013        |

DEPARTMENT OF VETERANS AFFAIRS  
CODE:  
51255-1

2005

| PROJECT NAME | PROJECT TYPE& | DRAWING TITLE& |
|--------------|---------------|----------------|
|--------------|---------------|----------------|

6-2 CLASS ROOM SCHOOL METAL SHEET ROOF  
SIDE ELEVATION

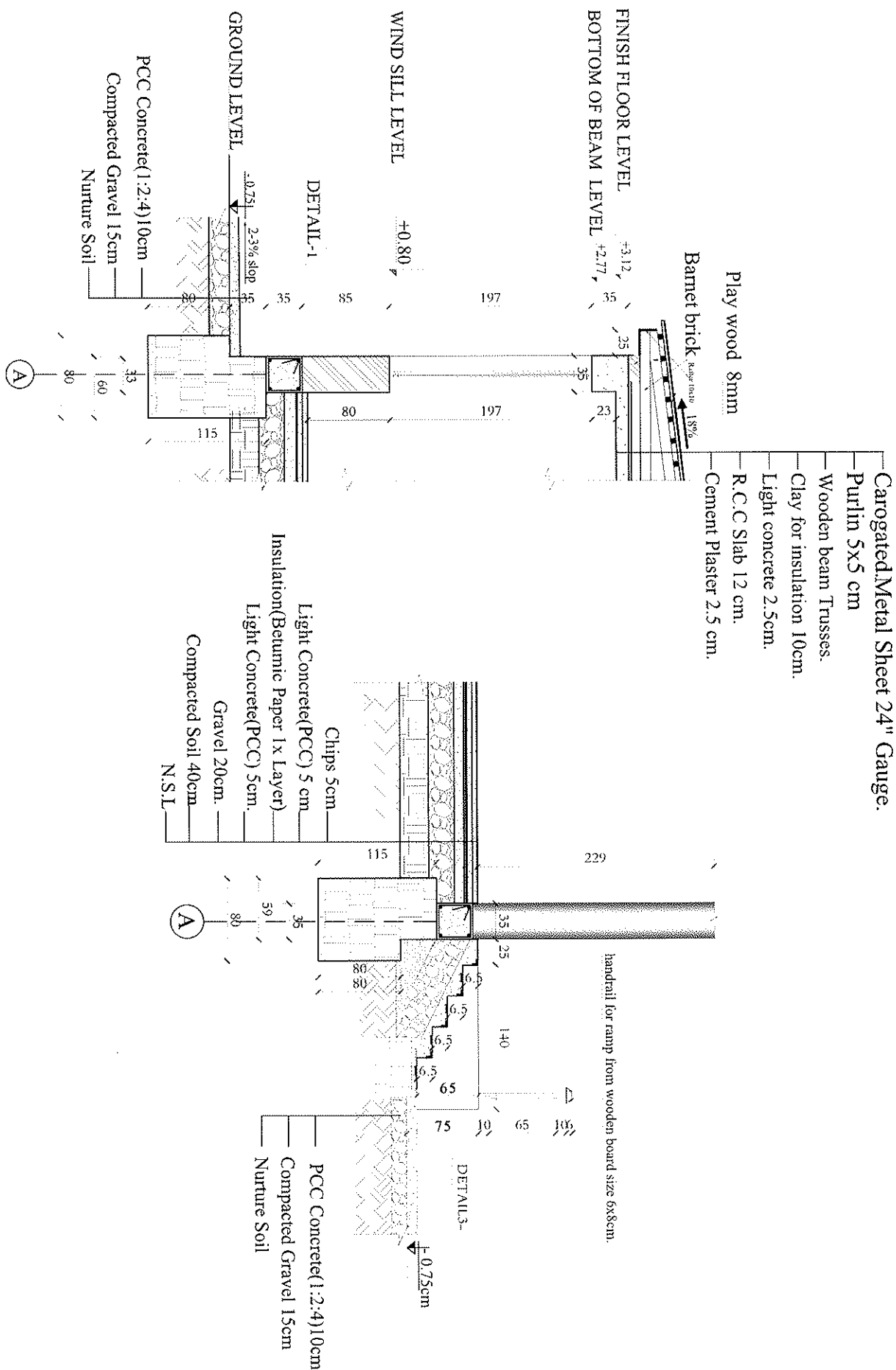




|               |   |
|---------------|---|
| PROJECT NAME  | PROJECT TYPE & 6-2 CLASS ROOM SCHOOL METAL SHEET ROOF |
| DRAWING TITLE | SECTION B-B   |



|                  |   |              |
|------------------|---|--------------|
| PROJECT NAME     | PROJECT TYPE & CLASS ROOM SCHOOL METAL SHEET ROOF | LONG SECTION |
| DRAWING TITLE    |   |              |
| DATE: 11.11.2024 | 7<br>20   |              |
| CODE:            |   |              |
| N.034-1          |   |              |



MINISTRY OF EDUCATION  
DEPARTMENT OF CONSTRUCTION

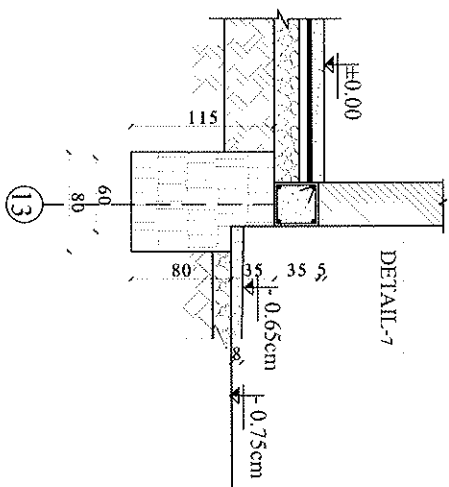
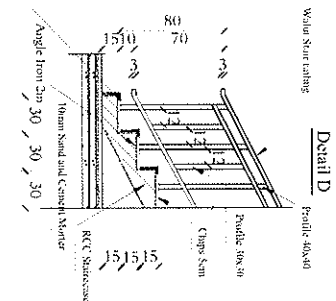
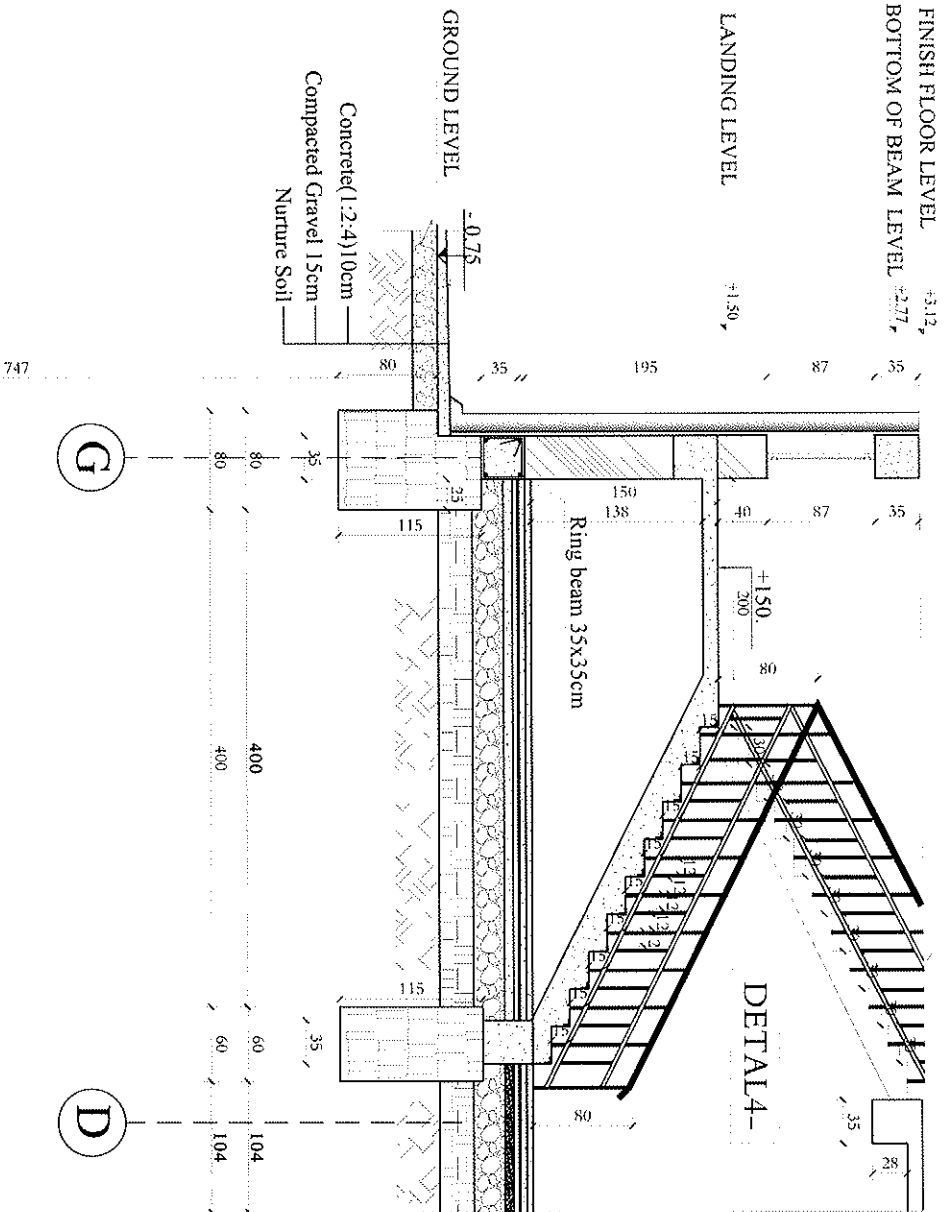
STANDARD SCHOOL DESIGN  
IN AFGHANISTAN

APPROVED BY: AIR PERIOD TARIK  
DESIGNED BY: RING TARIK  
DATE: JAN 2013

CODE: S-0393

PROJECT NAME: PROJECT TYPE: CLASS ROOM SCHOOL METAL SHEET ROOF  
DRAWING TITLE: DETAILS





MINISTRY OF EDUCATION  
DEPARTMENT OF CONSTRUCTION

STANDARD SCHOOL DESIGN  
IN AFGHANISTAN

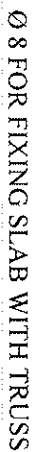
ARCHITECT/DESIGN: AH PEROZ TAJIRY  
ENGINEER: ENJ. ABOMIN RAO  
SCALE: AS SHOWN (A-1)  
DATE: JAN 2013

PROJECT TYPE: 6-CLASS ROOM SCHOOL METAL SHEET ROOF  
DRAWING TITLE: STAIR DETAILS

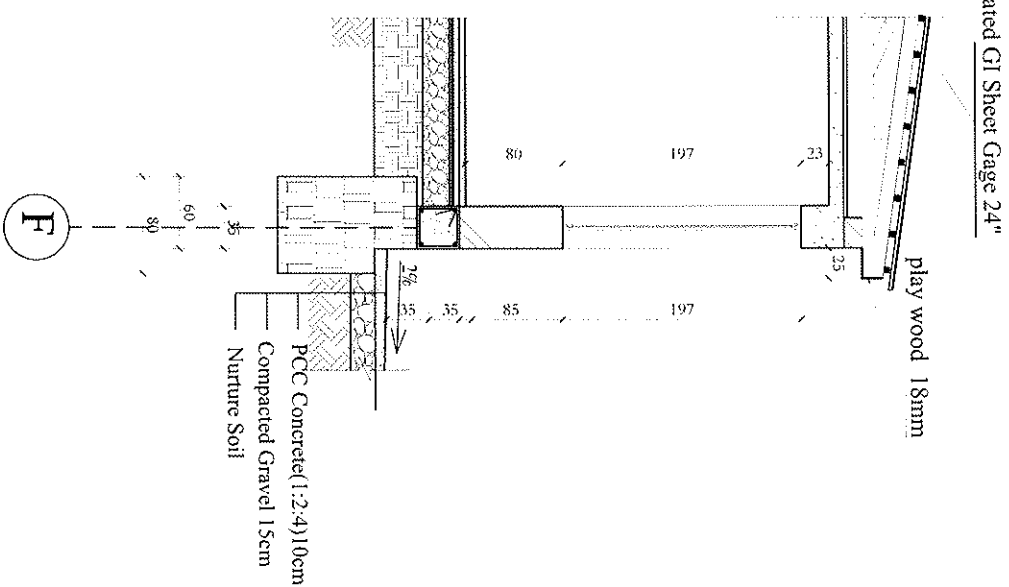
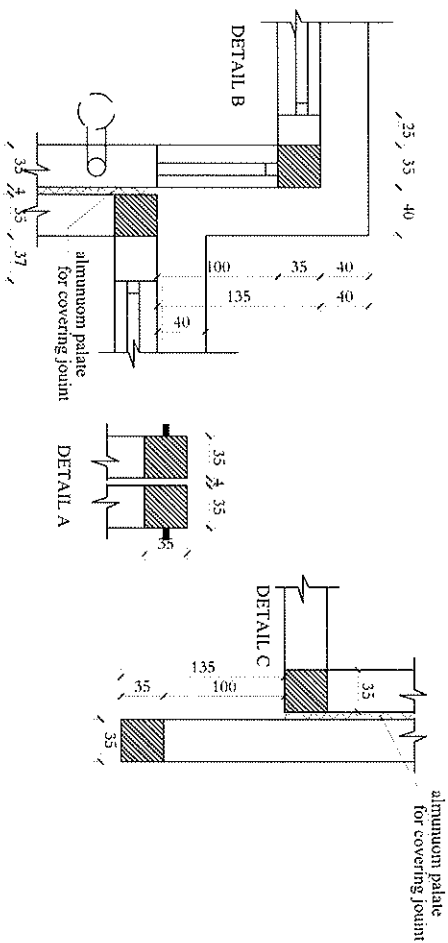
PROJECT NAME: 9

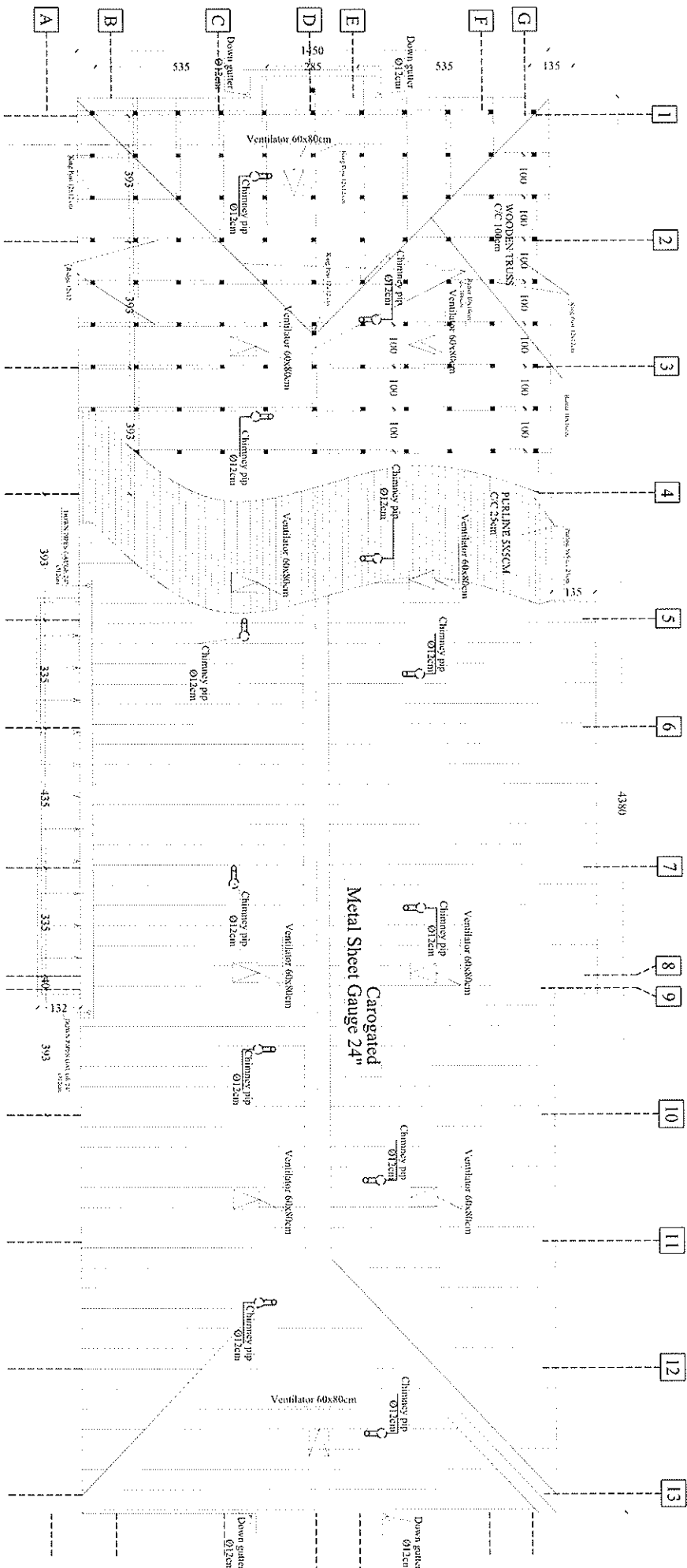
PROJECT TYPE: 6-CLASS ROOM SCHOOL METAL SHEET ROOF  
DRAWING TITLE: STAIR DETAILS

PROJECT NAME: 9



C/C 200 cm



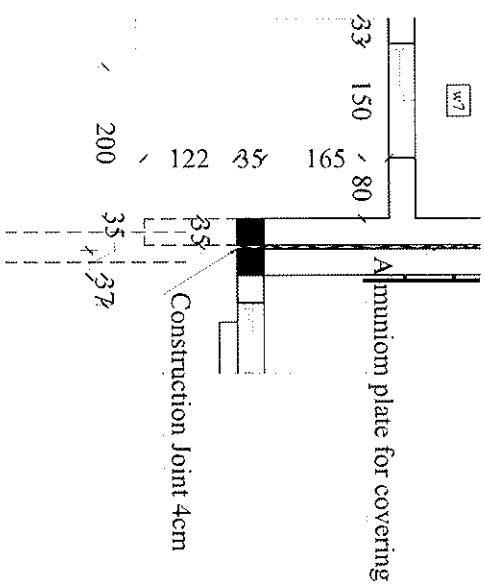


## TRUSS PLAN

MINISTRY OF EDUCATION  
DEPARTMENT OF CONSTRUCTION

STANDARD SCHOOL DESIGN  
IN AFGHANISTAN

|                   |                     |             |                   |                |             |                              |  |
|-------------------|---------------------|-------------|-------------------|----------------|-------------|------------------------------|--|
| ARCHITECT FOUNDED | AN RIZOV TAJIKISTAN | APPROVED BY | ENG. AB MOJIB RAO | DRAWN BY       | ARTUR T. R. | PROJECT NAME                 | 6+2 CLASS ROOM SCHOOL METAL SHEET ROOF |
| CHECKED BY        | ONG TADIKISTAN      | SCALE       | AS SHOWN (A3)     | DATE           | 20          | PROJECT TYPE & DRAWING TITLE | TRUSS PLAN                             |
| TRUST APPROVED BY | ONG TADIKISTAN      | DATE        | JAN 2015          | S. S. S. S. S. |             |                              |  |

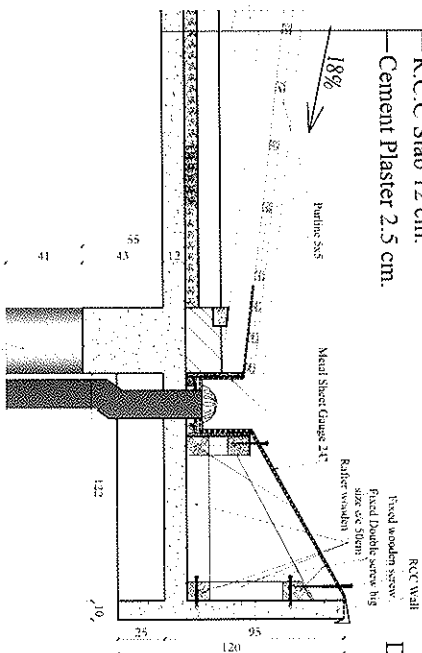


Architectural floor plan of a kitchen and dining area, labeled "Detail D". The plan shows a kitchen with a sink, stove, and chimney, and a dining area with a table and chairs. Dimensions are provided in millimeters. The plan is divided into sections A, C, D, and F. A blackboard is located in the dining area. The kitchen area includes a sink, stove, and chimney. The dining area includes a table and chairs. The plan is labeled "Detail D" and "13".

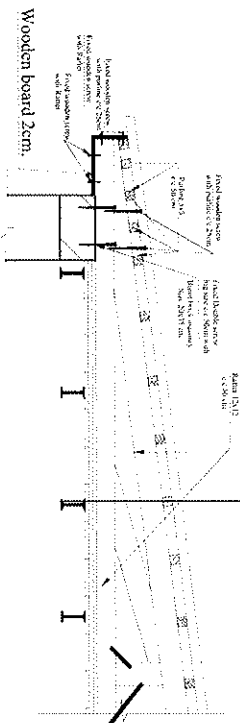
Technical drawing of a detail H, showing a cross-section of a structure. The drawing includes the following dimensions and labels:

- Construction Joint 4cm**: Indicated at the top right.
- 183**: Dimension for the vertical section on the right.
- 35**: Dimension for the horizontal section on the right.
- 62**: Dimension for the horizontal section on the left.
- 35**: Dimension for the horizontal section on the left.
- 200**: Dimension for the vertical section on the left.
- 183**: Dimension for the vertical section on the left.
- 45°**: Angle of the sloped section.
- R18**: Radius of the curved section.
- DOWN PIPE GUTTER 24" Ø12mm**: Label for the gutter at the bottom.
- PVC PIPE Ø 5"**: Label for the pipe at the bottom.
- Detail H**: Label for the detail.

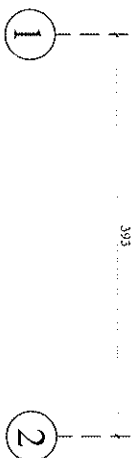
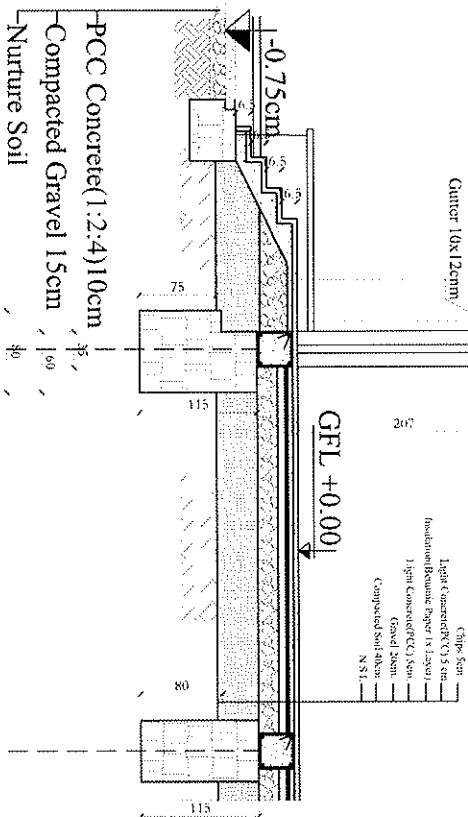
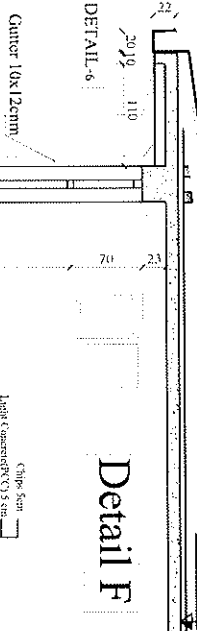
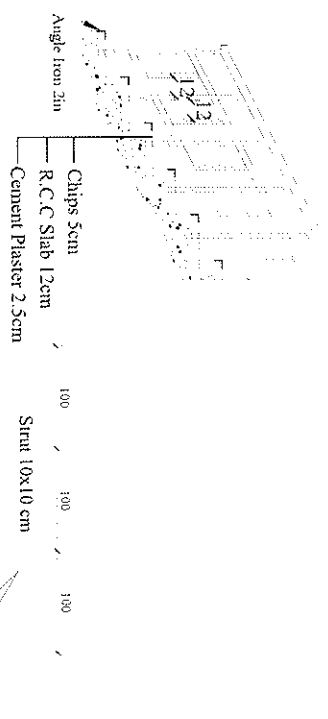
- Carogated. Metal Sheet 24" Gauge.
- Purlin 5x5 c/c 25cm
- Wooden beam Trusses.
- Clay for insulation 10cm.
- Light concrete 2.5cm.
- R.C.C Slab 12 cm.
- Cement Plaster 2.5 cm.



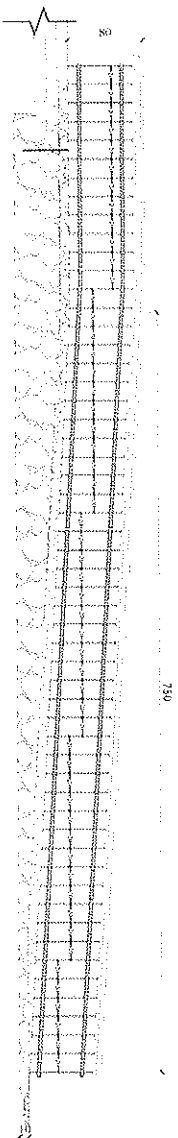
- Carogated. Metal Sheet 24" Gauge.
- Purlin 5x5 c/c 25cm
- Wooden beam Trusses.
- Clay for insulation 10cm.
- Light concrete 2.5cm.
- R.C.C Slab 12 cm.
- Cement Plaster 2.5 cm.



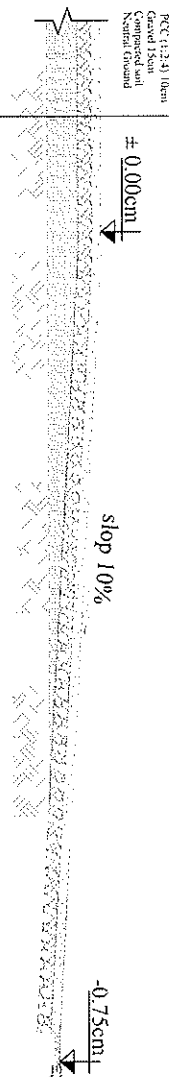
Detail 1



# ELEVATION

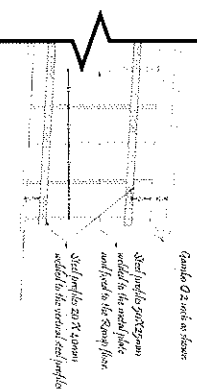
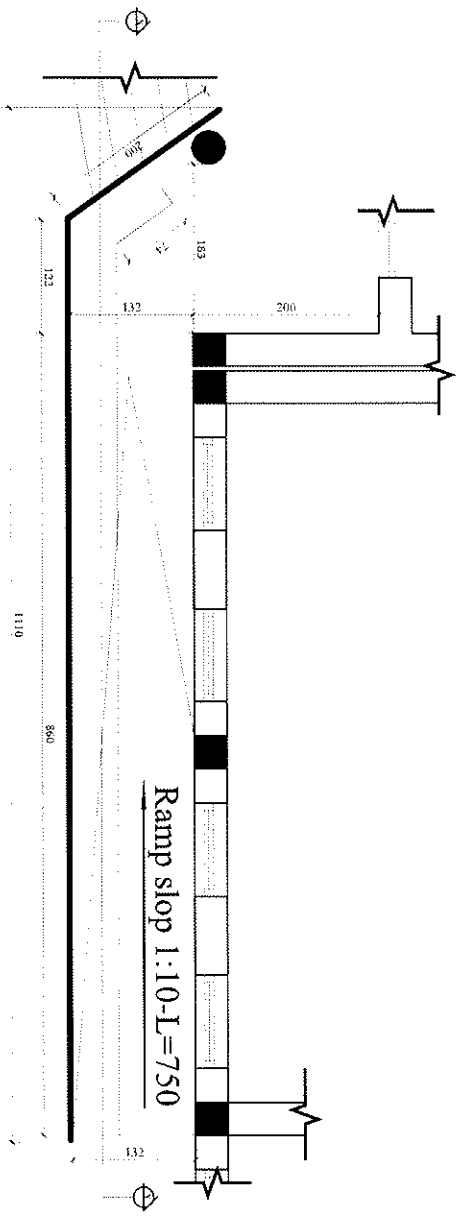


Ramp slop 1:10-L=750



## section x-x

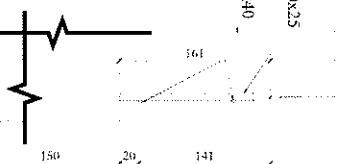
Ramp slop 1:10-L=750



Reinforce Ø 2 inch as shown

Profile box size 50x25

Profile box size 20x40



MINISTRY OF EDUCATION  
DEPARTMENT OF CONSTRUCTION

STANDARD SCHOOL DESIGN  
IN AFGHANISTAN

ARCHITECT/ENGINEER: AHMEDZAI TARIQ  
DESIGNER: JENI TARIQ

DATE: 15/05/2014  
SCALE: AS SHOWN (A1)

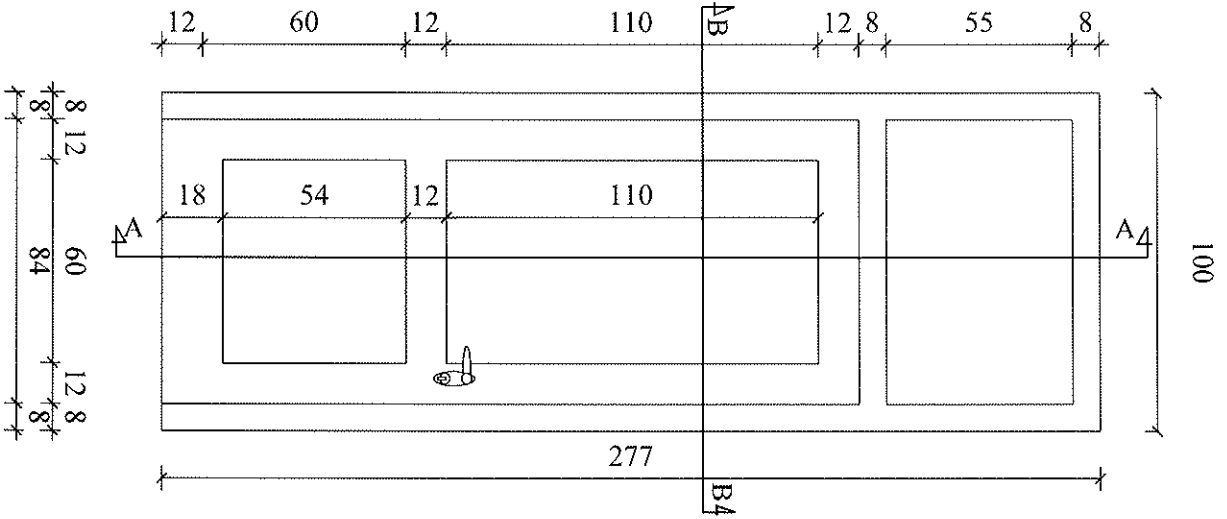
CAD: S.00001

PROJECT NAME: 15

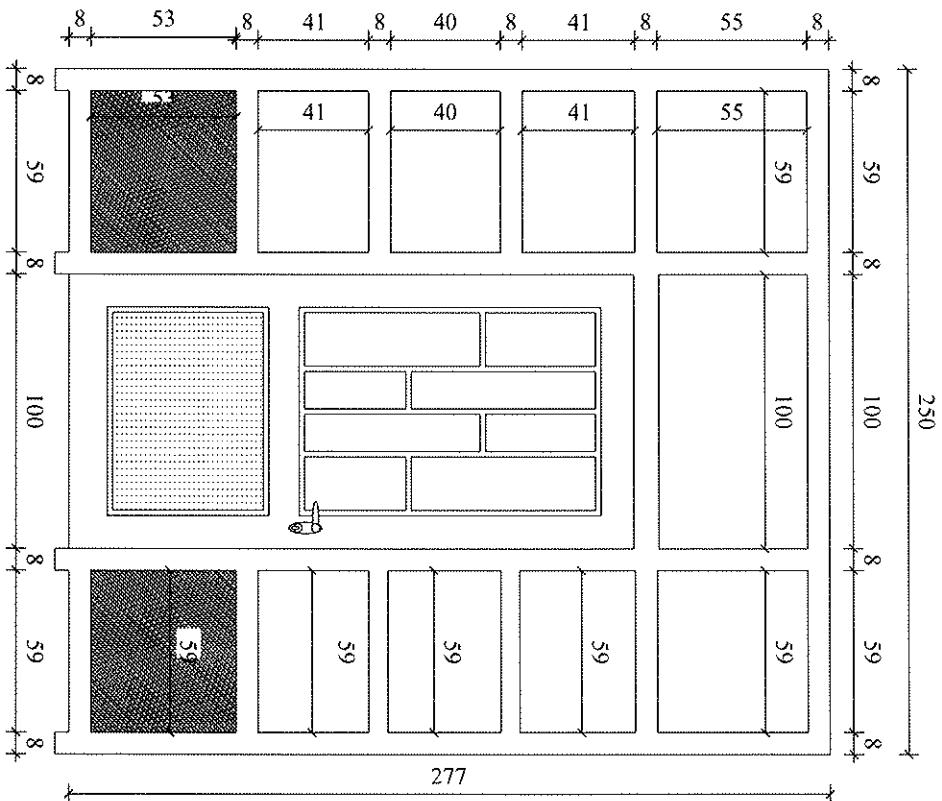
PROJECT TYPE: RAMP DETAILS

PROJECT NAME: 15  
PROJECT TYPE: RAMP DETAILS

door-1 n=13



door win-1 n=2



MINISTRY OF EDUCATION  
DEPARTMENT OF CONSTRUCTION

STANDARD SCHOOL DESIGN  
IN AFGHANISTAN

APPROVED BY: ANJALYAN  
DESIGNED BY: ANJALYAN  
DATE: 2013

APPROVED BY: ANJALYAN  
DESIGNED BY: ANJALYAN  
DATE: 2013

APPROVED BY: ANJALYAN  
DESIGNED BY: ANJALYAN  
DATE: 2013

APPROVED BY: ANJALYAN  
DESIGNED BY: ANJALYAN  
DATE: 2013

PROJECT NAME  
DRAWING TITLE

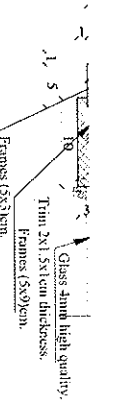
PROJECT TYPE: 6-CLASS ROOM SCHOOL METAL SHEET ROOF  
DRAWING TITLE: DETAILS FROM DOOR & WINDOW



Technical drawing of a rectangular plate with four square holes. The overall dimensions are 85 (width) and 325 (height). The holes are arranged vertically with 8mm margins at the top and bottom, and 8mm margins between each hole. The distance between the centers of the first and second hole is 72mm, and between the second and third is 71mm.

Diagram of a rectangular frame with multiple concentric borders. The outermost dimensions are 100 by 70. The frame consists of several nested rectangles. The top border is 8 units thick. The innermost rectangle has a width of 54 and a height of 39. The bottom border is 8 units thick. The right border is 8 units thick. The left border is 8 units thick. The middle section has a height of 37.

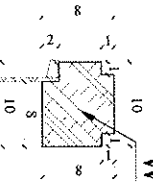




Wooden frames (8x10)cm.

detail-B

Glass 4mm high quality.



Wooden frames (8x10)cm.

Wooden frames (5x9)cm.

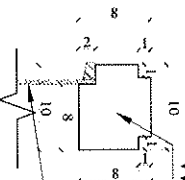
detail-C

Glass 4mm high quality.

Wooden frames (8x10)cm.

detail-B

Glass 4mm high quality.

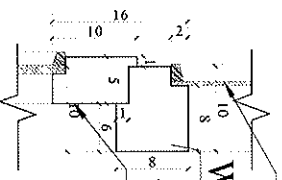


Glass 4mm high quality.

Wooden frames (8x10)cm.

Wooden frames (5x9)cm.

detail-C





## General Notes

- Concrete for all reinforced elements will be of ratio (1:1.5:3) and cubical strength of  $120\text{Kg/cm}^2$  after 28 days.
- Reinforcement grade 1 mild steel having minimum yield stress of  $210\text{Kg/cm}^2$  and reinforcement grade 2 deformed bar having minimum yield stress of  $270\text{Kg/cm}^2$ .
- For Brick masonry Cement and sand mortar ratio should be (1:3).
- Interior and exterior wall plaster's Cement mortar ratio should be (1:3).
- Form work should be lubricated well before installing reinforcement on.
- Bricks should be soaked at water before using.
- The rebars should be without Corrosion (or Oxidant free)
- Sand and Gravel should be washed before using.
- Usable water for Concrete should not be Acidic, Saltd and free of Organic materials
- In Concrete mixture river Gravel with size 2.5 cm be used rather than mountain Gravel
- Form work for bending elements should not be removed for less than 18 days.
- Before amendment the structure design consulting with design Engineer is must.
- Procedure of the project commencement till ending should be supervised by Male site Engineer
- Bearing Capacity of Soil for Foundation design is calculated  $1.5\text{Kg/Cm}^2$
- The mark of brick for the shear wall should not be less  $70\text{Kg/cm}^2$ .

توضیحات:

1. مرفک تکثیریت سیمانتر در تمام عناصر ساختمانی (M2000) با بتن (1:1.5:3).

2. بر تمام سیمانتر از سیاه ماسه با ریزش (1:1.5:3) با بتن (1:1.5:3).

3. برای بتن کردن از مصالح سیمان و ریزش با نسبت (1:3) استفاده شود.

4. پیش از ریختن مصالح در فرم باید فرم را چرب کرد.

5. آرماتور باید از سیمان و ریزش با نسبت (1:3) استفاده شود.

6. بتن باید با بتن (1:1.5:3) با بتن (1:1.5:3) استفاده شود.

7. سیمان و ریزش باید با بتن (1:1.5:3) با بتن (1:1.5:3) استفاده شود.

8. ریزش باید با بتن (1:1.5:3) با بتن (1:1.5:3) استفاده شود.

9. فرم کار باید برای مدت 18 روز در محل بماند.

10. قبل از تغییرات در طراحی باید با مهندس طراحی مشورت شود.

11. روش کار باید با بتن (1:1.5:3) با بتن (1:1.5:3) استفاده شود.

12. ظرفیت باربری خاک برای فونداسیون باید با مهندس طراحی مشورت شود.

13. علامت گذاری برای دیوارهای برشی باید با مهندس طراحی مشورت شود.

14. مرفک تکثیریت سیمانتر در تمام عناصر ساختمانی (M2000) با بتن (1:1.5:3).

مقاومت فشاری - جبران خاک (qall) بر اساس  $\text{kg/cm}^2$

Bearing Capacity of Soil Based on (ACI)

| Recomm endatio | Limit | Specifications          | Types of Soil   |
|----------------|-------|-------------------------|---|
| 8              | 7-10  | Very dense Compacted    | Gravel, Gravel & Sand, Mix of Gravel & Stone<br>چکن، چکن وریک، مخلوط چکن وریک     |
| 6              | 5-7   | Medium Course Compacted |   |
| 4              | 3-6   | Loose Compacted         |   |
| 4              | 4-6   | Very dense Compacted    |   |
| 3              | 3-4   | Medium Course Compacted | Stiff Sand, Sand with a little Gravel<br>ریک سفت ، ریک با کمی چکن                 |
| 2              | 2-3   | Loose Compacted         |   |
| 3              | 3-5   | Very dense Compacted    | Medium Stiff Sand , Sand with Mud or Clay<br>ریک با سفتی متوسط ، ریک با لای یا رس |
| 2.5            | 2-4   | Medium Course Compacted |   |
| 1.5            | 1-2   | Loos Compacted          | Uniform Sand, Sand with a little Mud or Clay<br>ریک یکنواخت، ریک با کمی چکن       |
| 3              | 3-4   | Very dense Compacted    |   |
| 2              | 2-3   | Medium Course Compacted |   |
| 1.5            | 1-2   | Loos Compacted          | Uniform Clay, Clay with Sand or Mud<br>رس یکنواخت، ریک با کمی چکن                 |
| 4              | 3-6   | Very Stiff              |   |
| 2              | 1-3   | Medium Stiff            | Mud, Sandy Mud or Clay<br>لای، لای ریکی یا رسی                                    |
| 0.5            | 0.5-1 | Uncompacted             |   |
| 3              | 2-4   | Very Stiff              |   |
| 1.5            | 1-3   | Medium Stiff            |   |
| 0.5            | 0.5-1 | Uncompacted             |   |



MINISTRY OF EDUCATION  
DEPARTMENT OF CONSTRUCTION



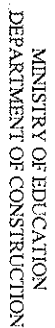
STANDARD SCHOOL DESIGN  
IN AFGHANISTAN

ARCHITECT DESIGN: ARCHIT FEROZ TAJIRI  
RECORD DESIGN: ENG. FATIMA  
TECH. APPROVED BY: ENG. ABUJIN MOJIB

APPROVED NAME: ENG. ABUJIN MOJIB  
SCALE: AS SHOWN (A3)  
DATE: 2015-12-15

DRAWING NO: 1-20

PROJECT NAME: 6+2 Class Room Metal Sheet Roof  
DRAWING TITLE: GENERAL NOTES

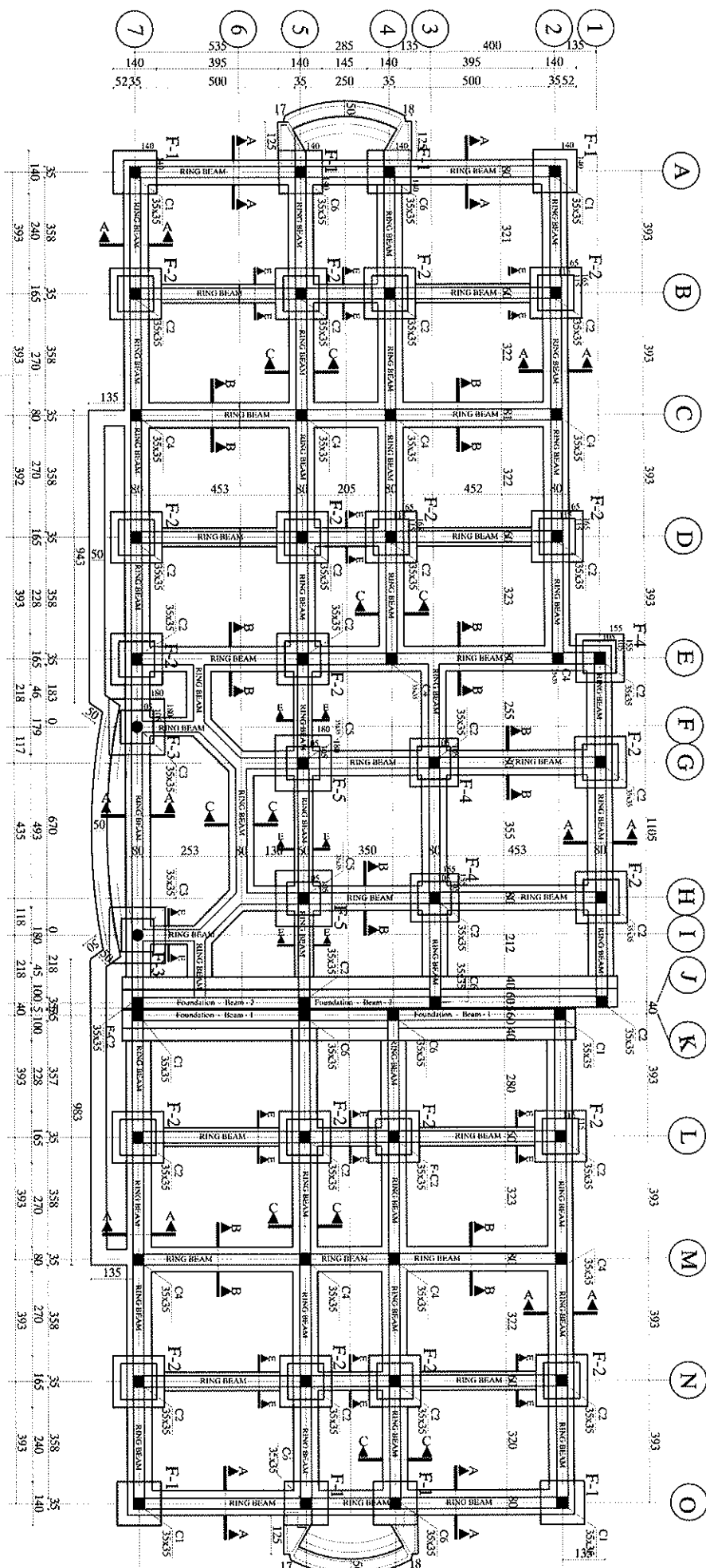
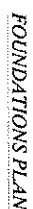
STANDARD SCHOOL DESIGN  
IN AFGHANISTAN

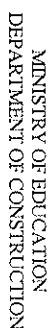
|                   |                       |
|-------------------|-----------------------|
| ARCHITECT/DESIGN  | ARCHITENKÖZ TAHRİRY   |
| BCC/DESIGN        | ENG. FATİMA           |
| TECH. APPROVED BY | ENG. AB. MATH. MAOODE |

|                 |               |
|-----------------|---------------|
| APPROVED-DocMod | ENG, AB NOMIE |
| SCALE           | AS SHOWN (A3) |
| DATE            | 2015-2-5      |

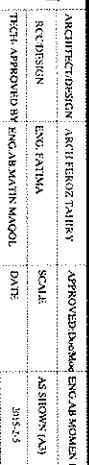
|  |   |
|--|---|
| DRAWING<br>TYPE<br>USED NO<br>S-0255-1 | STRUCTURAL<br> |
|--|---|

PROJECT NAME  
DRAWING TITLE

6+2 Class Room Metal Sheet Roof  
Foundation



# STANDARD SCHOOL DESIGN IN AFGHANISTAN



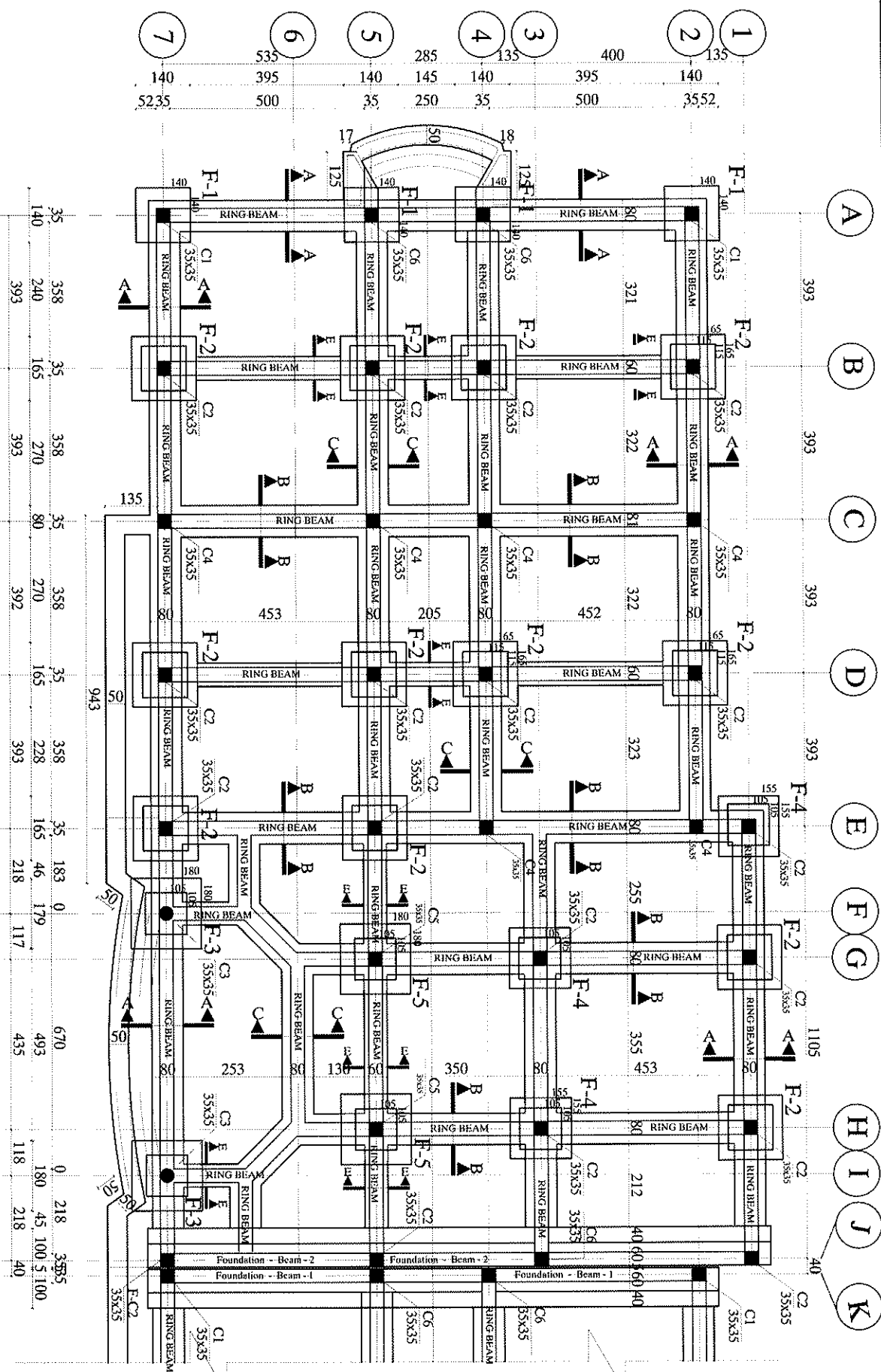
DRAWING  
TYPE

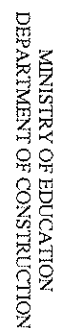
STRUCTURAL

COPY NO.  
S-0253-1

3  
20

|                |   |
|----------------|---|
| PROJECT NAME:  |   |
| DRAWING TITLE: | 6+2 Class Room Metal Sheet Roof<br>FOUNDATION |



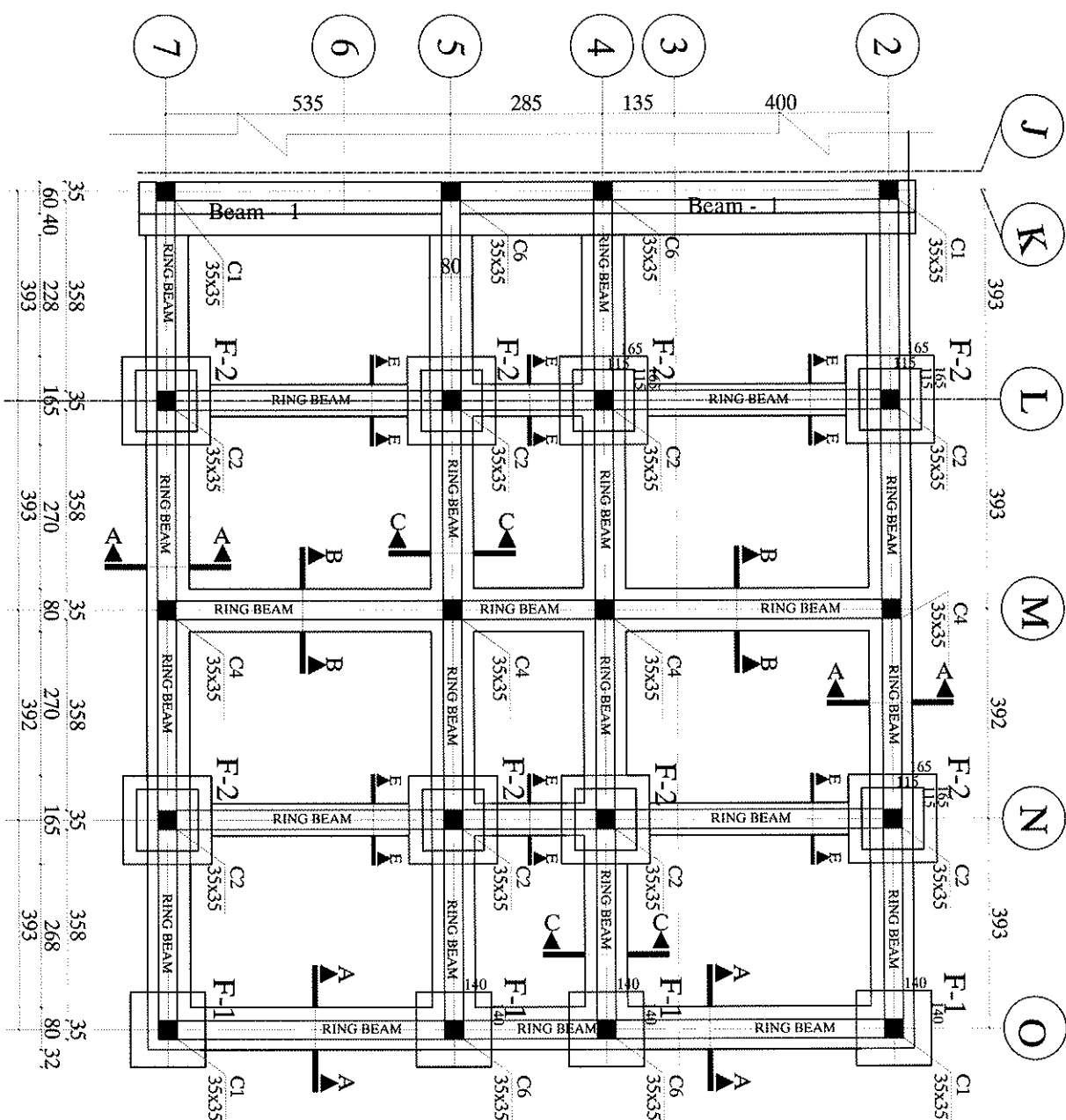


MINISTRY OF EDUCATION  
DEPARTMENT OF CONSTRUCTION

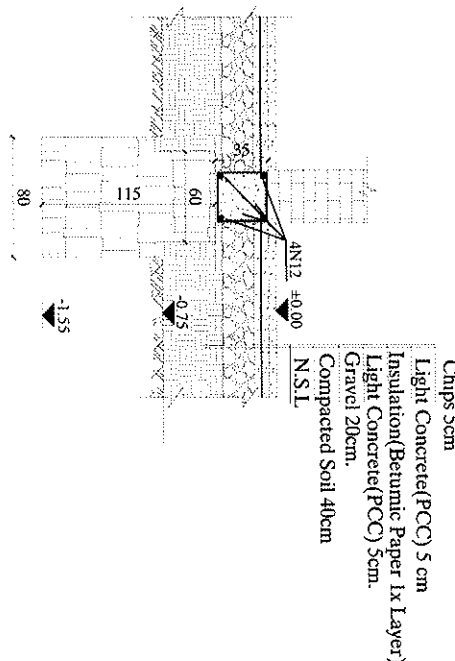
STANDARD SCHOOL DESIGN  
IN AFGHANISTAN

|                   |                    |                      |              |   |
|-------------------|--------------------|----------------------|--------------|---|
| ARCHITECT/DESIGN  | ARCHITECT/TITLE    | APPROVED/DRAWING NO. | DRAWING TYPE | PROJECT NAME                                  |
| REVISION          | ENG. PARTIAL       | SCALE                | AS SHOWN (A) |   |
| TECH. APPROVED BY | ENG. ABIMATI MAMOL | DATE                 | 2017-2-8     |   |
|                   |                    |                      |              |   |
|                   |                    |                      |              | 6+2 Class Room Metal Sheet Roof<br>Foundation |
|                   |                    |                      |              | DRAWING TITLE                                 |

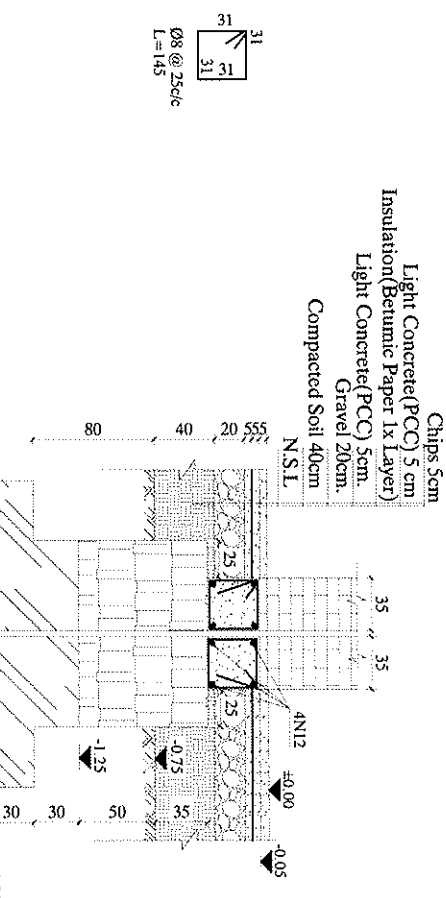
## FOUNDATIONS PLAN



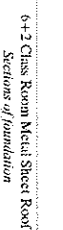


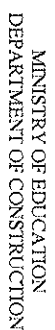


Section C:C

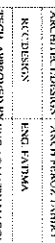


Section D:D





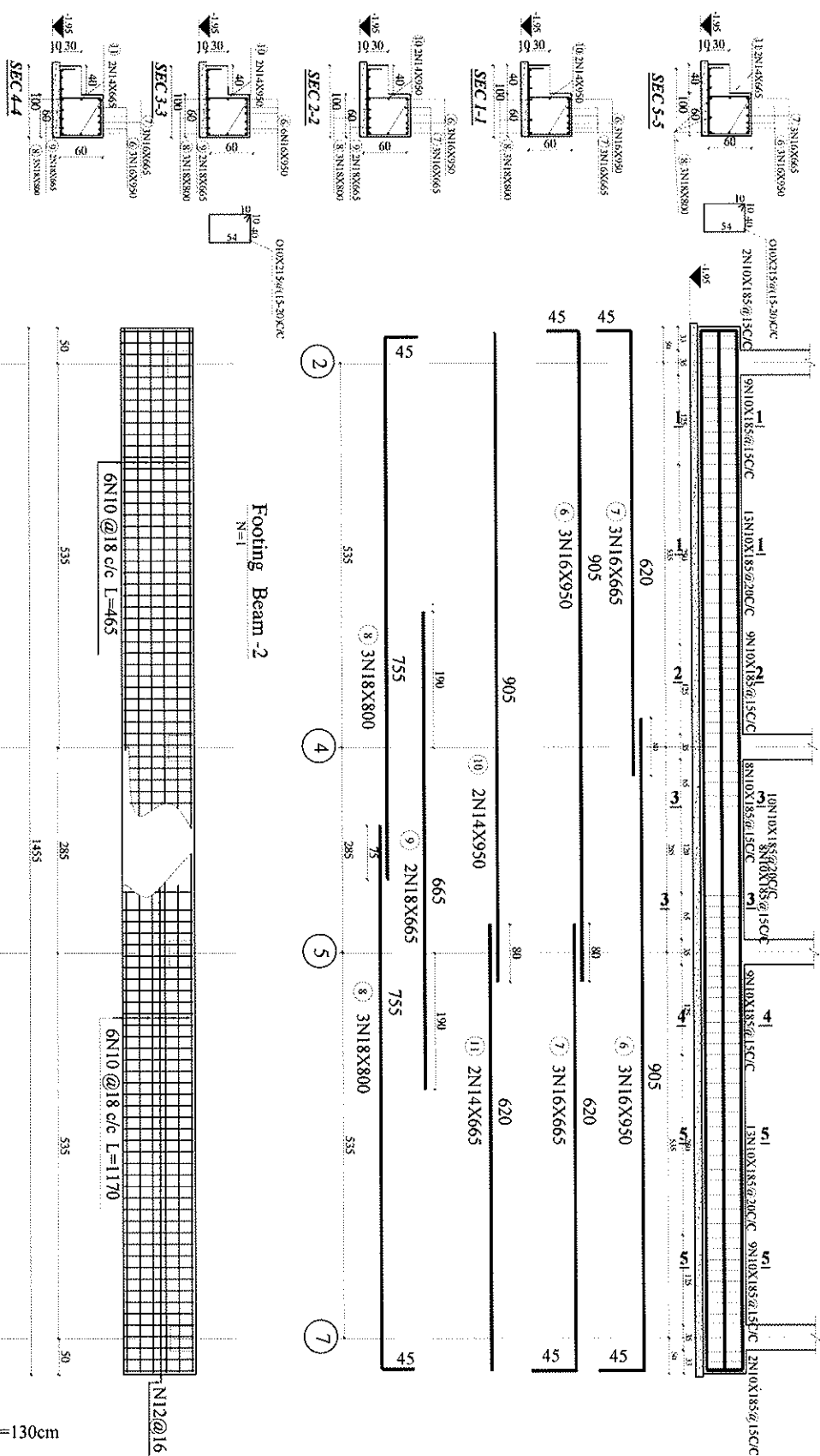
# STANDARD SCHOOL DESIGN IN AFGHANISTAN



|                    |                    |             |            |
|--------------------|--------------------|-------------|------------|
| APPROVED: 00030306 | ENG. AB MUMEN ROAD | DRAWING NO. | STRUCTURAL |
| SCALE              | AS SHOWN (A3)      | DATE        | 1-25-02    |

PROJECT NAME: \_\_\_\_\_  
DRAWING TITLE: \_\_\_\_\_

6+2 Class Room Metal Sheet Roof





MINISTRY OF EDUCATION  
DEPARTMENT OF CONSTRUCTION



STANDARD SCHOOL DESIGN  
IN AFGHANISTAN

ARCHITECT/DESIGN: ABEA FEROZ TAJIRI  
R/C DESIGN: ENG. FARIDA  
TECH. APPROVED BY: ENG. AMANAT MOOL

APPROVED/DESIGN: ENG. AMANAT MOOL  
SCALE: AS SHOWN (A3)  
DATE: 20/3/15

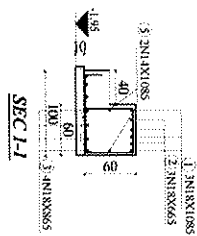
DRAWING TYPE: STRUCTURAL  
SHEET NO: 7  
SHEET TOTAL: 20

PROJECT NAME:  
DRAWING TITLE:

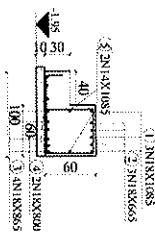
6+2 Class Room Metal Sheet Roof  
Sections of Footing Beam 2

### Footing Beam -2

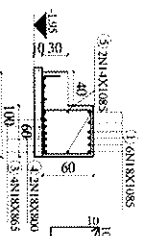
N=1



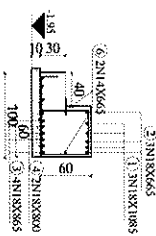
SEC 1-1



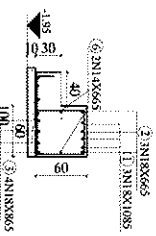
SEC 2-2



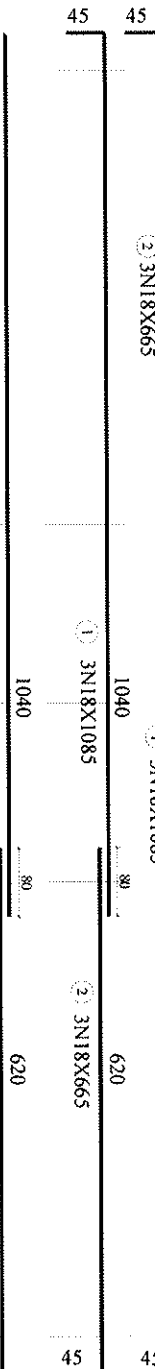
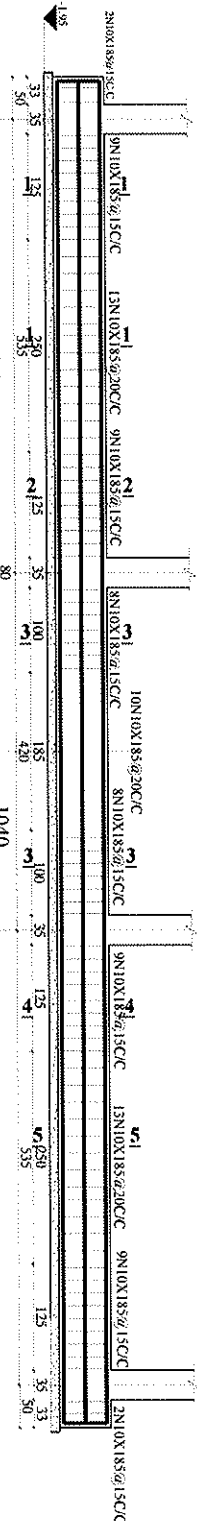
SEC 3-3



SEC 4-4

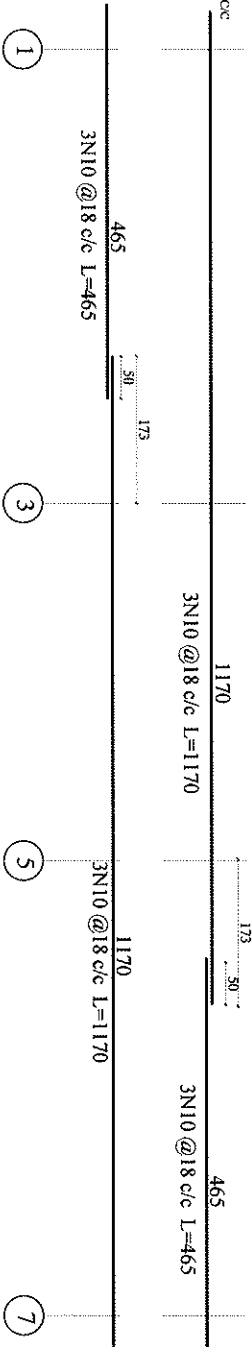
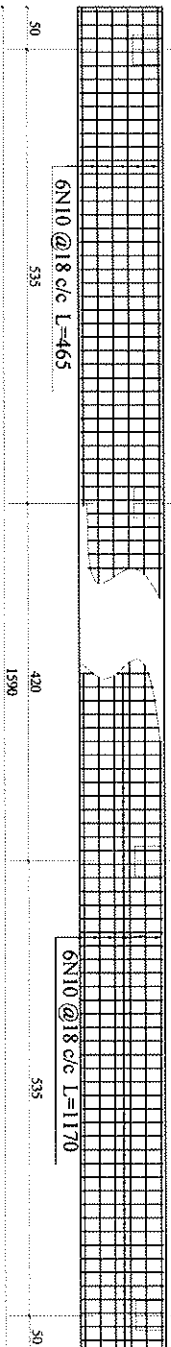


SEC 5-5



### Footing Beam -2

N=1



100 N12@16  
c/cL=130cm



MINISTRY OF EDUCATION  
DEPARTMENT OF CONSTRUCTION



STANDARD SCHOOL DESIGN  
IN AFGHANISTAN

ARCHITECT/DESIGN: ARCH PEREZ TAJIRY  
RCC DESIGN: ENR. FATIMA  
TECH. APPROVED BY: ENG. ABIMATY KAOOL  
DATE: 2017-3

APPROVED DRAWING

SCALE: AS SHOWN (A3)

PROJECT NAME: 6+2 Class Room Metal Sheet Roof

SECTION TITLE: Sections Foundation

DRAWING TYPE: STRUCTURAL

8

20

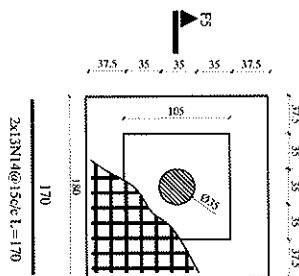
PROJECT TITLE

SECTION TITLE

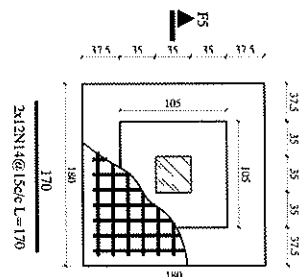
6+2 Class Room Metal Sheet Roof

Sections Foundation

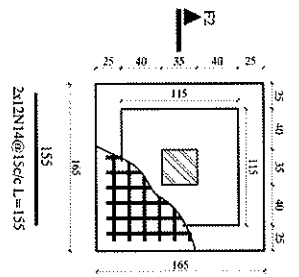
Footing FC-3  
N=2



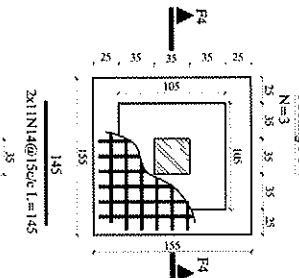
Footing FC-5  
N=2



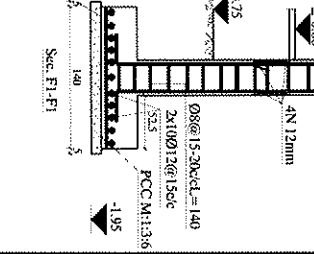
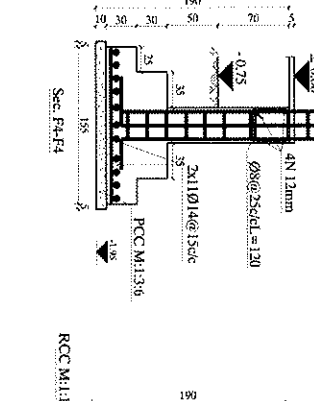
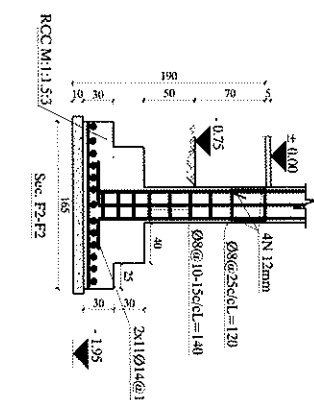
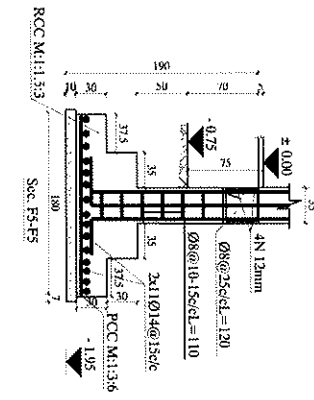
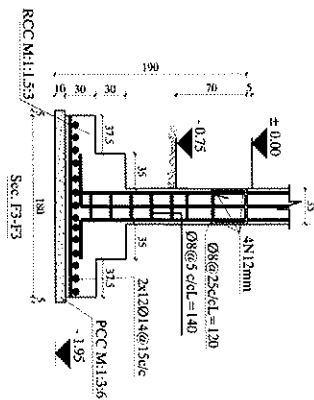
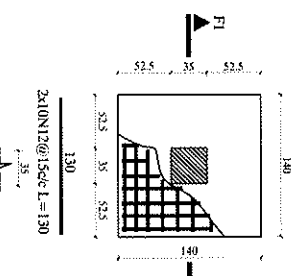
Footing-2  
N=21



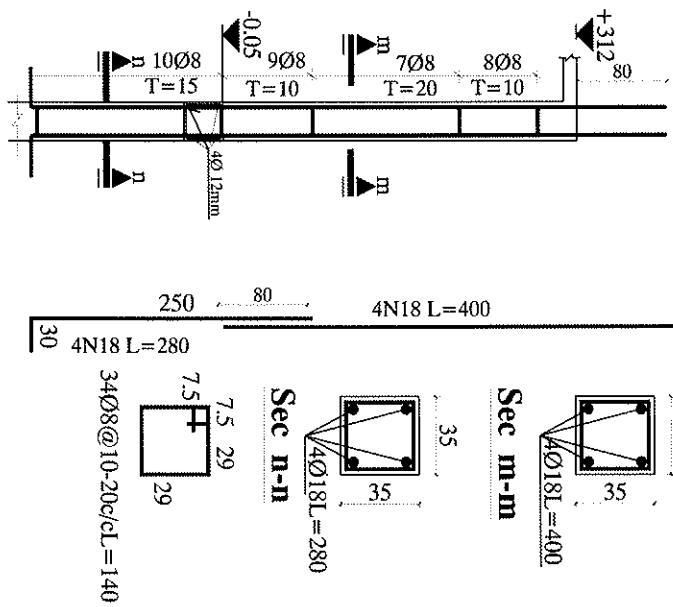
Footing FC-4  
N=3



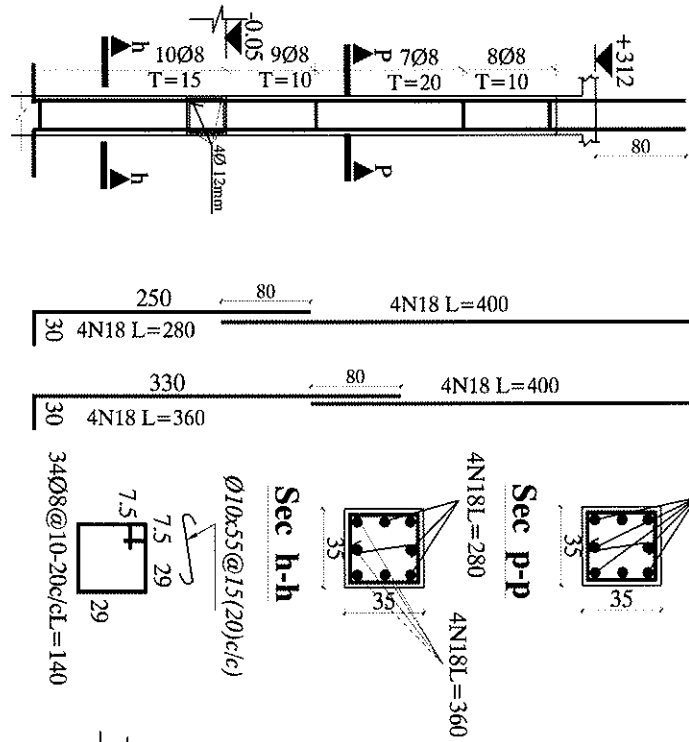
Footing-1  
N=8



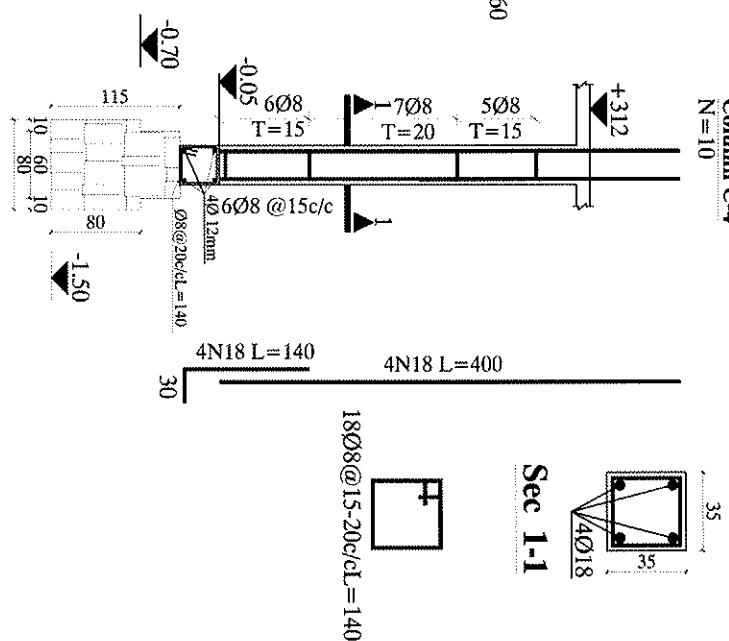
Column C-1  
N=6



Column C-2  
N=26



Column C-4  
N=10

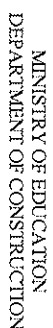


MINISTRY OF EDUCATION  
DEPARTMENT OF CONSTRUCTION



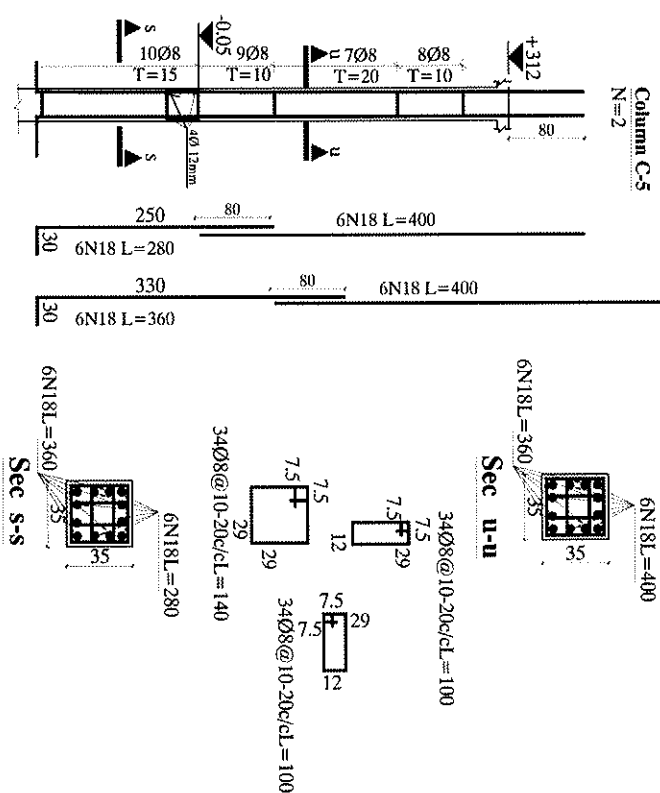
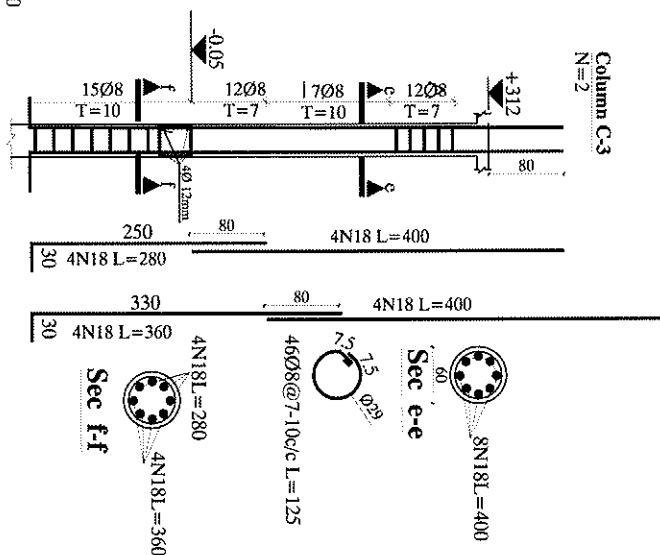
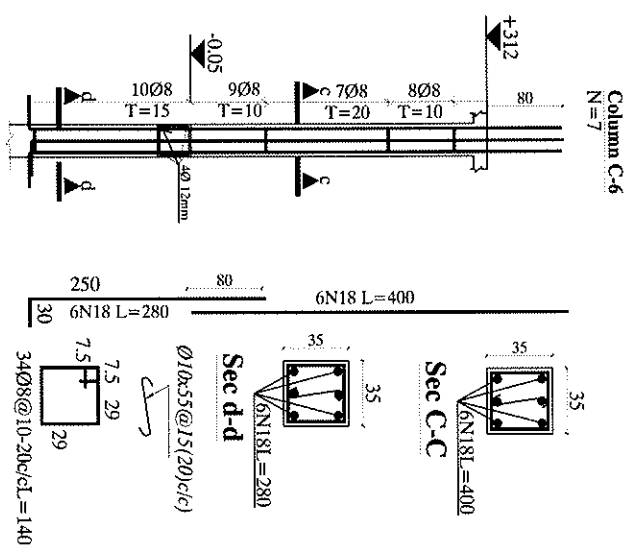
STANDARD SCHOOL DESIGN  
IN AFGHANISTAN

| ARCHITECT/DESIGN | ARCH. PERIOD/TAHRIR | APPROVED/MAJMOOL | ENGINEER/MAJMOOL | DATE | SCALE | AS SHOWN (A) | DATE | 30/5/23 | 9 | 20 | PROJECT NAME                    | DRAWING TITLE        |
|------------------|---------------------|------------------|------------------|------|-------|--------------|------|---------|---|----|---------------------------------|----------------------|
| ARCH. DESIGN     | ENG. LATIFA         | ENG. LATIFA      | ENG. LATIFA      | DATE | SCALE | AS SHOWN (A) | DATE | 30/5/23 | 9 | 20 | 6+7 Class Room Metal Sheet Roof | columns and Sections |

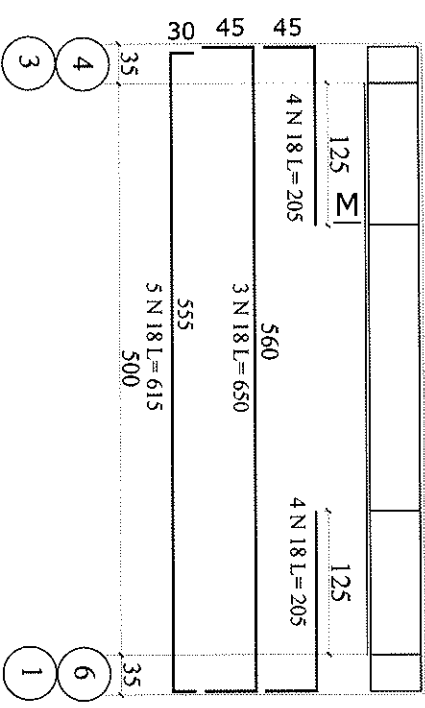
STANDARD SCHOOL DESIGN  
IN AFGHANISTAN

|  |                    |                 |                    |           |               |
|--|--------------------|-----------------|--------------------|-----------|---------------|
| ARCHITECT/DESIGN   | ARCH FLOOR PLAN/RY | APPROVED/DESIGN | ENG/ARCHITECT/NAME | DRAWING   | PROJECT NAME  |
| REVISION   | ENG/ARCHITECT      | SCALE           | AS SHOWN (A/B)     | SHEET NO. |               |
| TECH APPROVED BY   | ENG/ARCHITECT/NAME | DATE            | 3/15/25            | 10<br>20  | DRAWING TITLE |
| <div style="border: 1px solid black; padding: 5px; display: inline-block;">             COPIED NO.<br/>5-2535-1           </div> |                    |                 |                    |           |               |

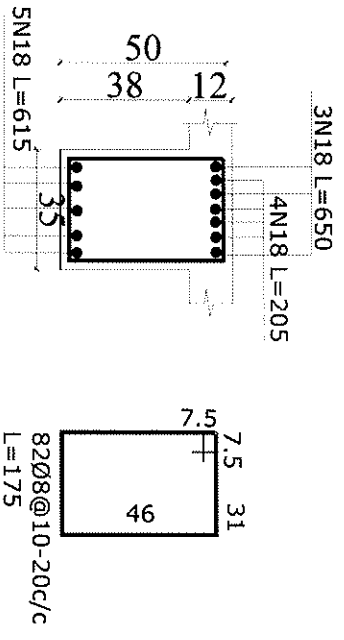
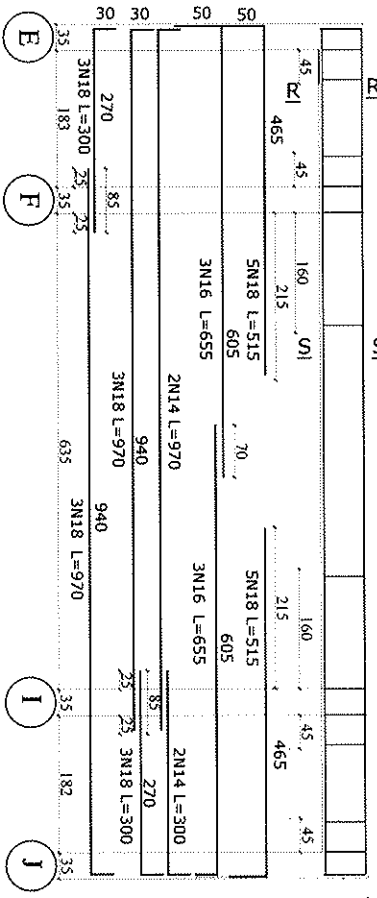
6+2 Class Room Metal Sheet Roof  
columns and Sections



**F-1**  
**N=8 35x50**  
 1408  $\Sigma$  1308 T=10 1408 T=10  
 +3.12



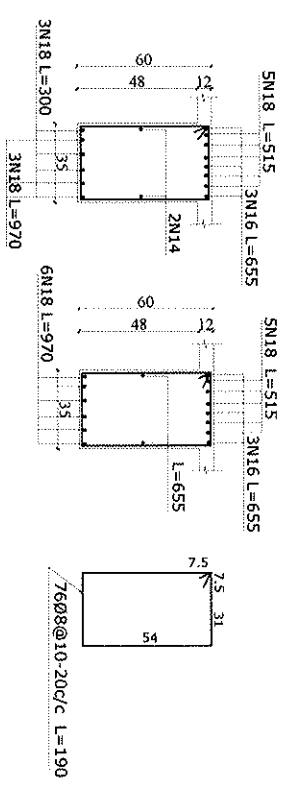
**F-5**  
**N=1 35x55**  
 1308 T=15 1708 T=10 1608 T=20 1708 T=10 1308 T=15  
 +3.12



**SECTION M-M**

**SECTION R-R**

**SECTION S-S**

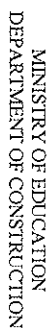


MINISTRY OF EDUCATION  
 DEPARTMENT OF CONSTRUCTION

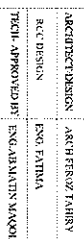


STANDARD SCHOOL DESIGN  
 IN AFGHANISTAN

|                   |                  |               |               |              |                                 |
|-------------------|------------------|---------------|---------------|--------------|---------------------------------|
| ARCHITECT DESIGN  | ARCHITECT NAME   | APPROVED NAME | ENGINEER NAME | DRAWING TYPE | PROJECT NAME                    |
| RECT DESIGN       | ENG. FARUKA      | AS SHOWN (N)  | 305-25        | 11           | 6+2 Class Room Metal Sheet Roof |
| TECH. APPROVED BY | ENG. MAJID NAOUL | DATE          | 305-25        | 20           | Beams and sections              |



# STANDARD SCHOOL DESIGN IN AFGHANISTAN



|                  |                    |
|------------------|--------------------|
| APPROVED Doc No: | ENGLAH MOSSEN RALD |
| SCALE            | AS SHOWN (A3)      |
| DATE             | 2015-2-5           |

DRAWING TYPE : STRUCTURAL

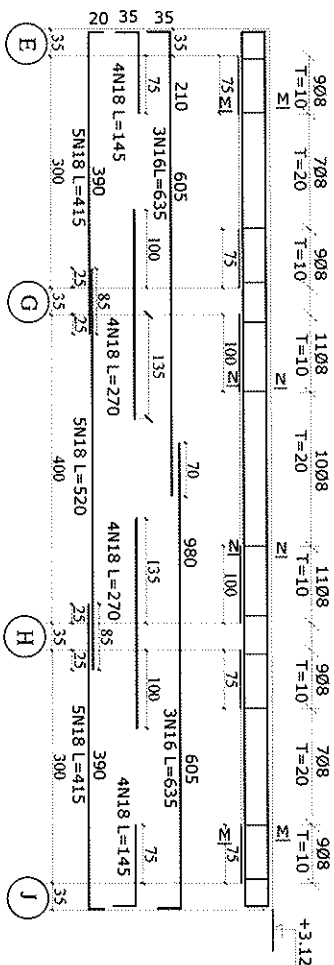
COORD NO : S-0255-1

12  
20

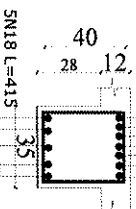
PROJECT NAME  
DRAWING TITLE

0-2 Class Room Meini Sheet Roof  
Beams and Sections

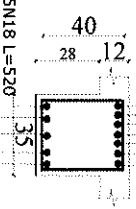
**F-2**  
**N=1 35x40**



## **SECTION M-M**

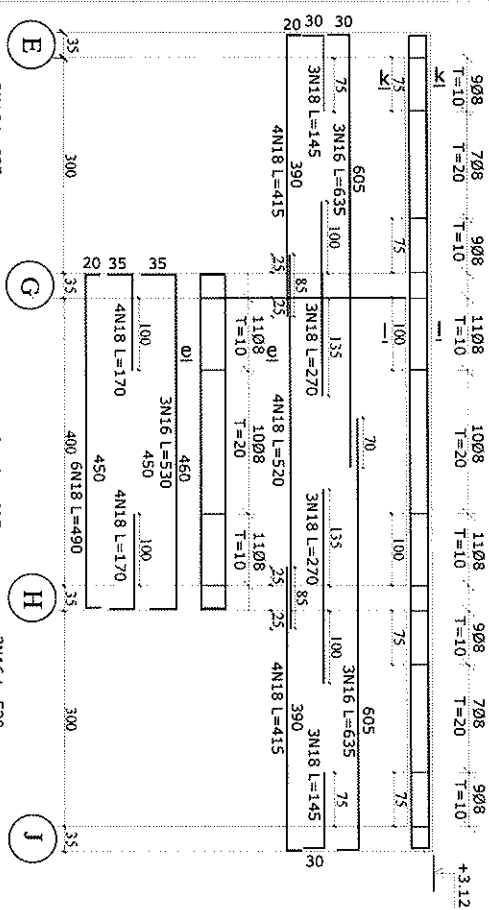


## **SECTION N-N**

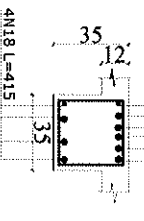


0208@10-20C/L  
L=155

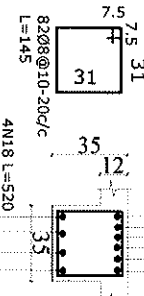
**F-4**  
**N=1 35x35**



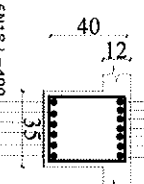
## SECTION K-K



**SECTION I-I**



**SECTION e-e**

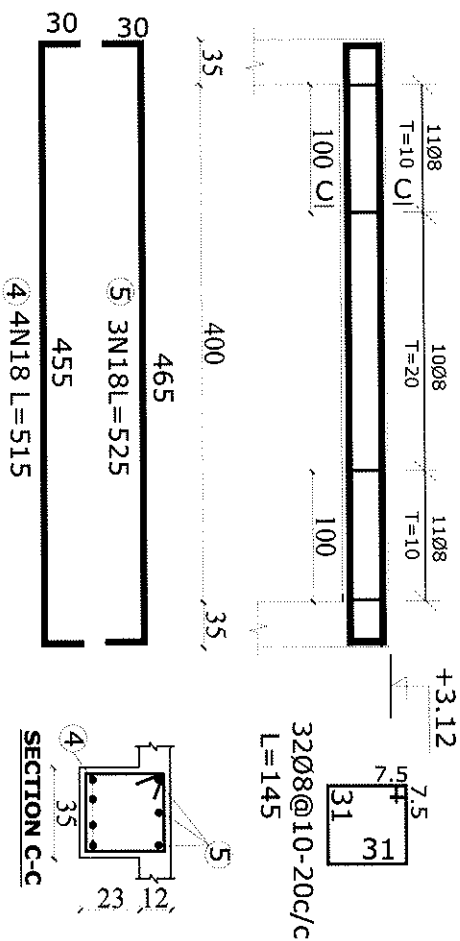


3208@10-20c/c  
L=155



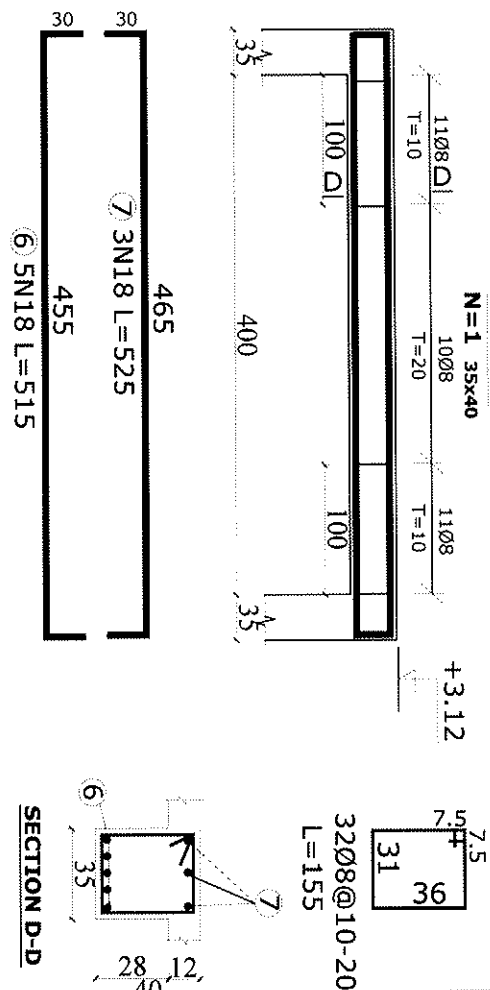
# BEAM-8

N=1 35x35



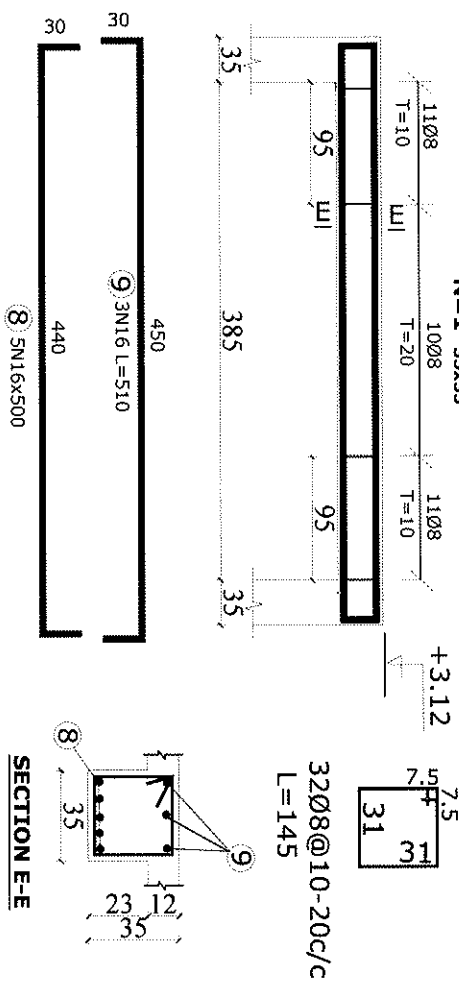
# BEAM-3

N=1 35x40



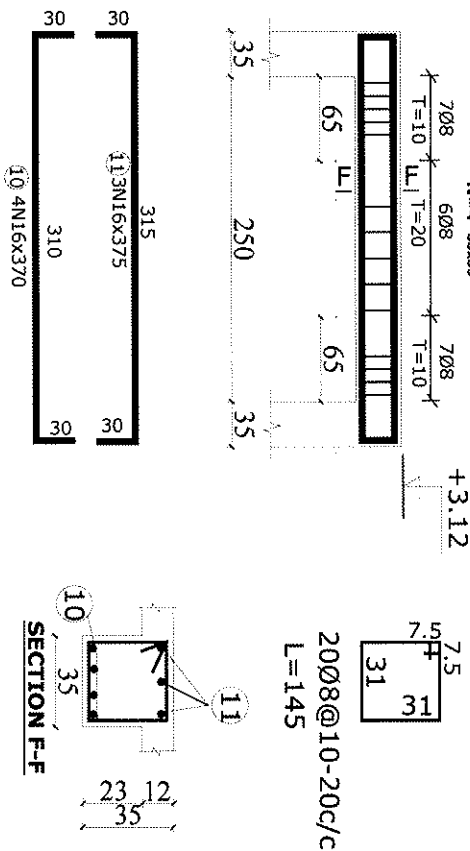
# BEAM-6

N=1 35x35



# BEAM-7

N=4 35x35



MINISTRY OF EDUCATION  
DEPARTMENT OF CONSTRUCTION



STANDARD SCHOOL DESIGN  
IN AFGHANISTAN

ARCHITECT DESIGN: ARCH. FERAZ TARIQ  
RCC DESIGN: ENJ. FARUK  
TECH. APPROVED BY: ENJ. AHMAD NAWAZ

APPROVED BY: ENJ. AHMAD NAWAZ  
SCALE: AS SHOWN (AS)  
DATE: 20/5/23

DRAWING TYPE: STRUCTURAL  
PROJECT NAME: 6-2 Class Room Metal Sheet Roof  
DRAWING TITLE: Burns and Sections

6-2 Class Room Metal Sheet Roof  
Burns and Sections



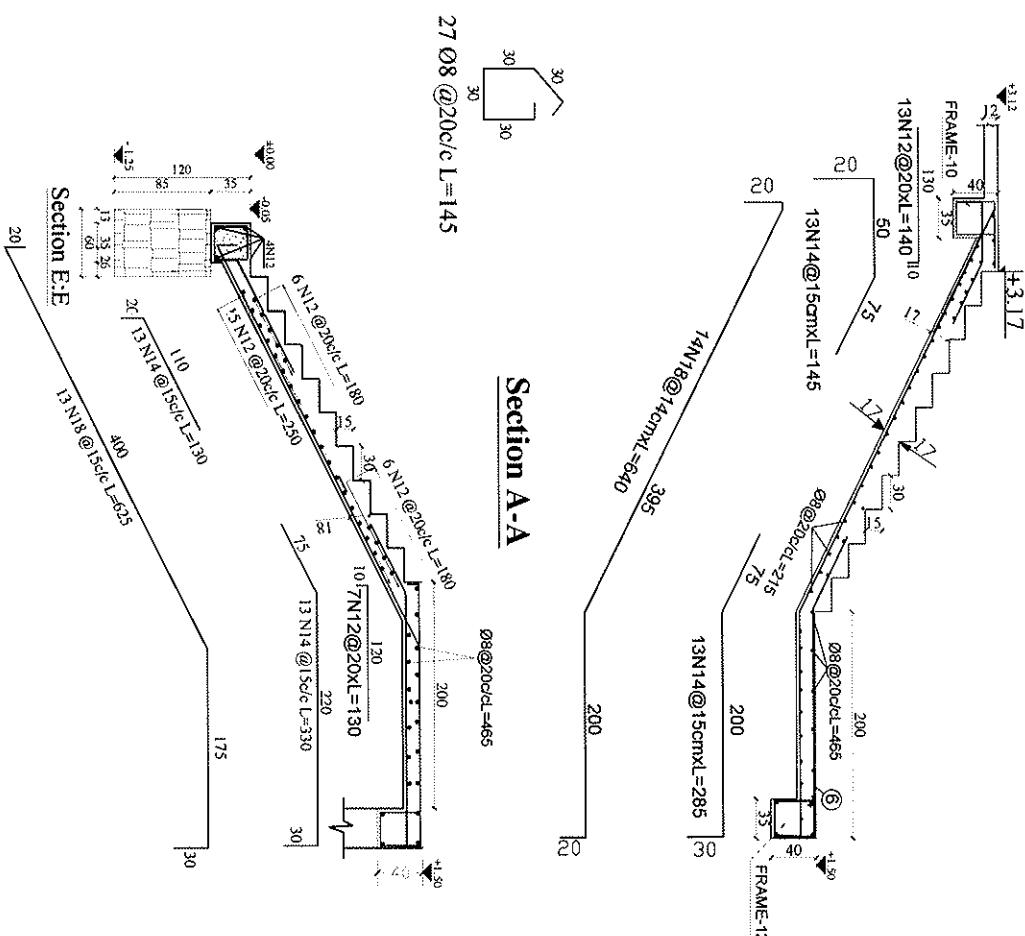
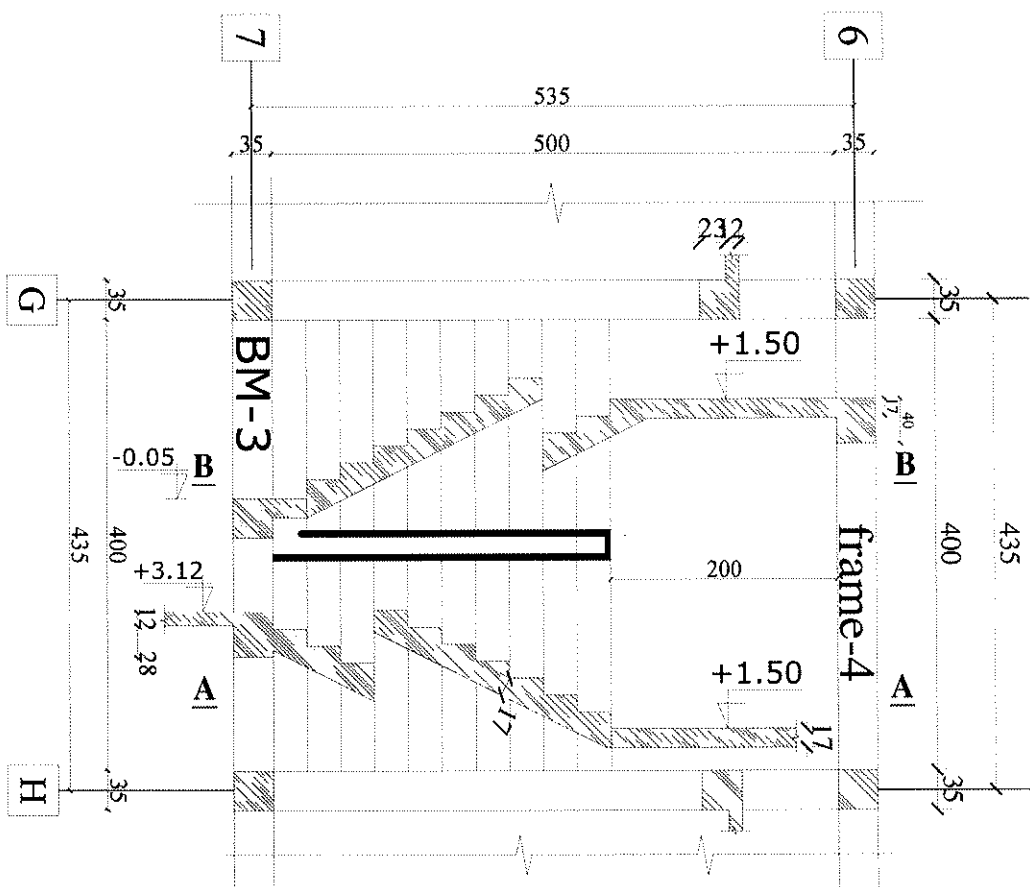
MINISTRY OF EDUCATION  
DEPARTMENT OF CONSTRUCTION



STANDARD SCHOOL DESIGN  
IN AFGHANISTAN

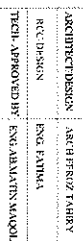
|                   |                     |               |          |      |              |                                     |
|-------------------|---------------------|---------------|----------|------|--------------|-------------------------------------|
| ARCHITECT DESIGN  | ARCH. DESIGNER      | APPROVED DATE | ENGINEER | DATE | DRAWING TYPE | PROJECT NAME                        |
| KCC DESIGN        | ENG. FATMA          | AS SHOWN (A)  | 30/12/25 | 14   | 20           | 6/12 Class Room Metal Sheet Roof    |
| TECH. APPROVED BY | ENG. ALI KHAN MAMOL |               |          |      |              | Stairs Shuttering and Reinforcement |

## STAIRS PLAN





# STANDARD SCHOOL DESIGN IN AFGHANISTAN



|                  |              |
|------------------|--------------|
| APPROVED DOC NO: | ENCL AB MON  |
| SCALE            | AS SHOWN (A) |
| DATE             | 2015-2-5     |

COED NO  
S-0255-1

DRAWING  
TYPE

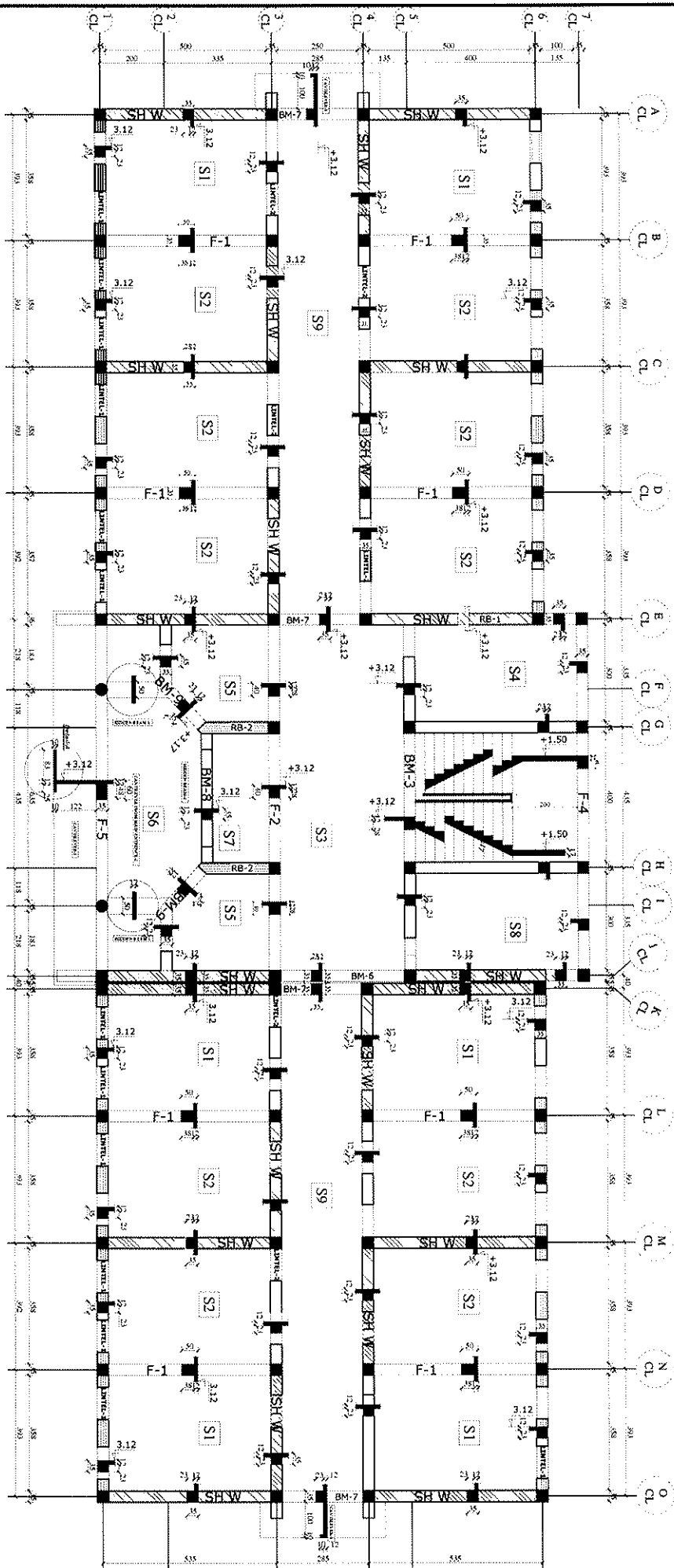
STRUCTURAL

15  
20

PROJECT NAME  
DRAWING TITLE

6+2 Class Room Metal Sheet Roof  
Ground floor Plan of Shuttering

# SHUTTERING PLAN





MINISTRY OF EDUCATION  
DEPARTMENT OF CONSTRUCTION



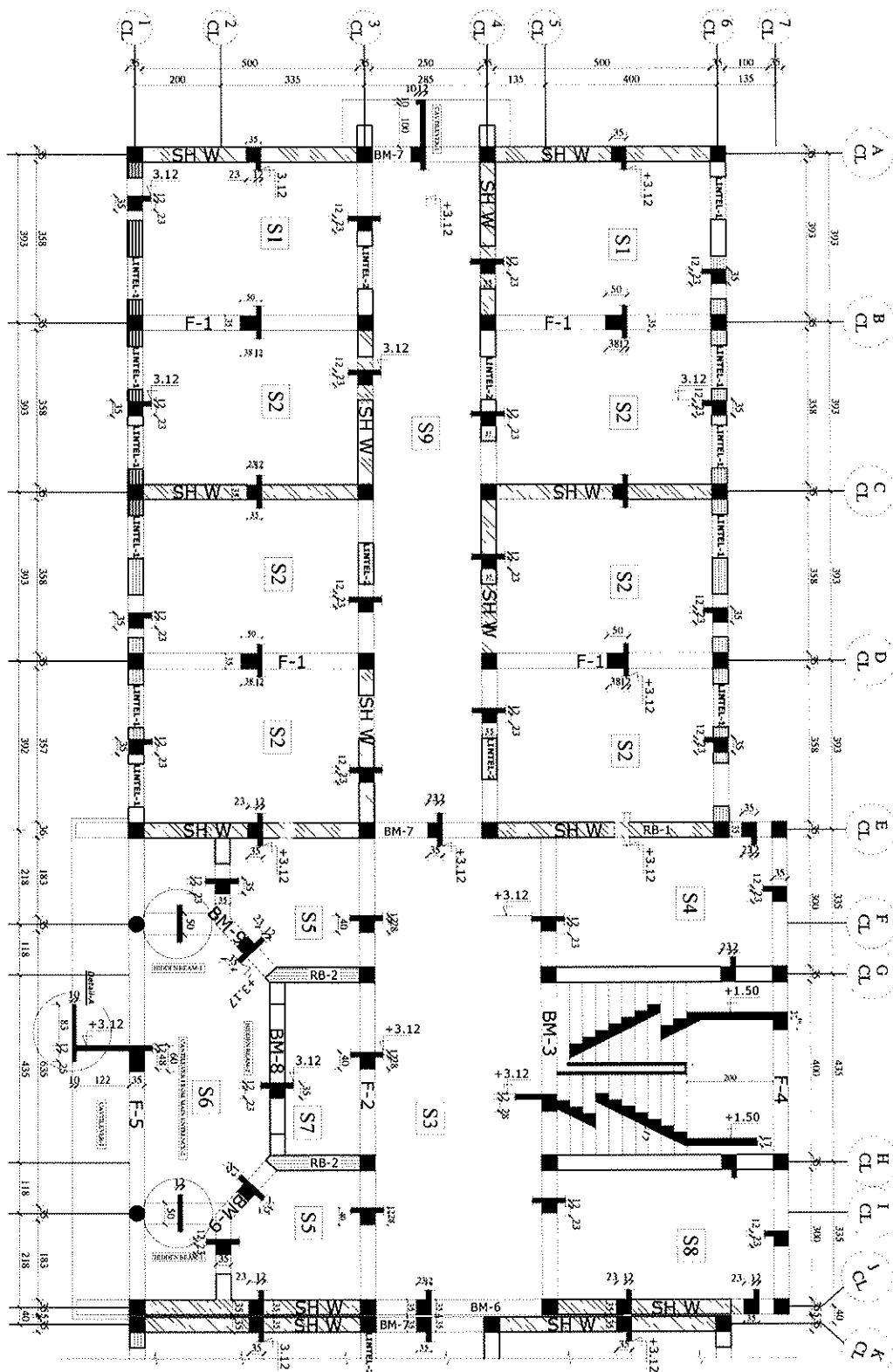
STANDARD SCHOOL DESIGN  
IN AFGHANISTAN

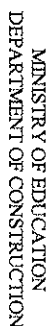
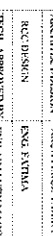
|                   |                  |                  |                  |
|-------------------|------------------|------------------|------------------|
| ARCHITECT DESIGN  | ARCHITECT NAME   | APPROVED NAME    | ENGINEER NAME    |
| RCO DESIGN        | ENG. FARUK TAYEB | ENG. FARUK TAYEB | ENG. FARUK TAYEB |
| TECH. APPROVED BY | ENG. ALI KHAN    | ENG. ALI KHAN    | ENG. ALI KHAN    |
| DATE              | 2015.03          | 2015.03          | 2015.03          |

|         |            |
|---------|------------|
| DRAWING | STRUCTURAL |
| 16      | 20         |

|               |                                   |
|---------------|-----------------------------------|
| PROJECT NAME  | 6-7-2 Class Room Metal Sheet Roof |
| DRAWING TITLE | Ground floor Plan of Shuttering   |

## SHUTTERING PLAN



STANDARD SCHOOL DESIGN  
IN AFGHANISTAN

|       |              |
|-------|--------------|
| SCALE | AS SHOWN (A) |
| DATE  | 2016.3.2     |

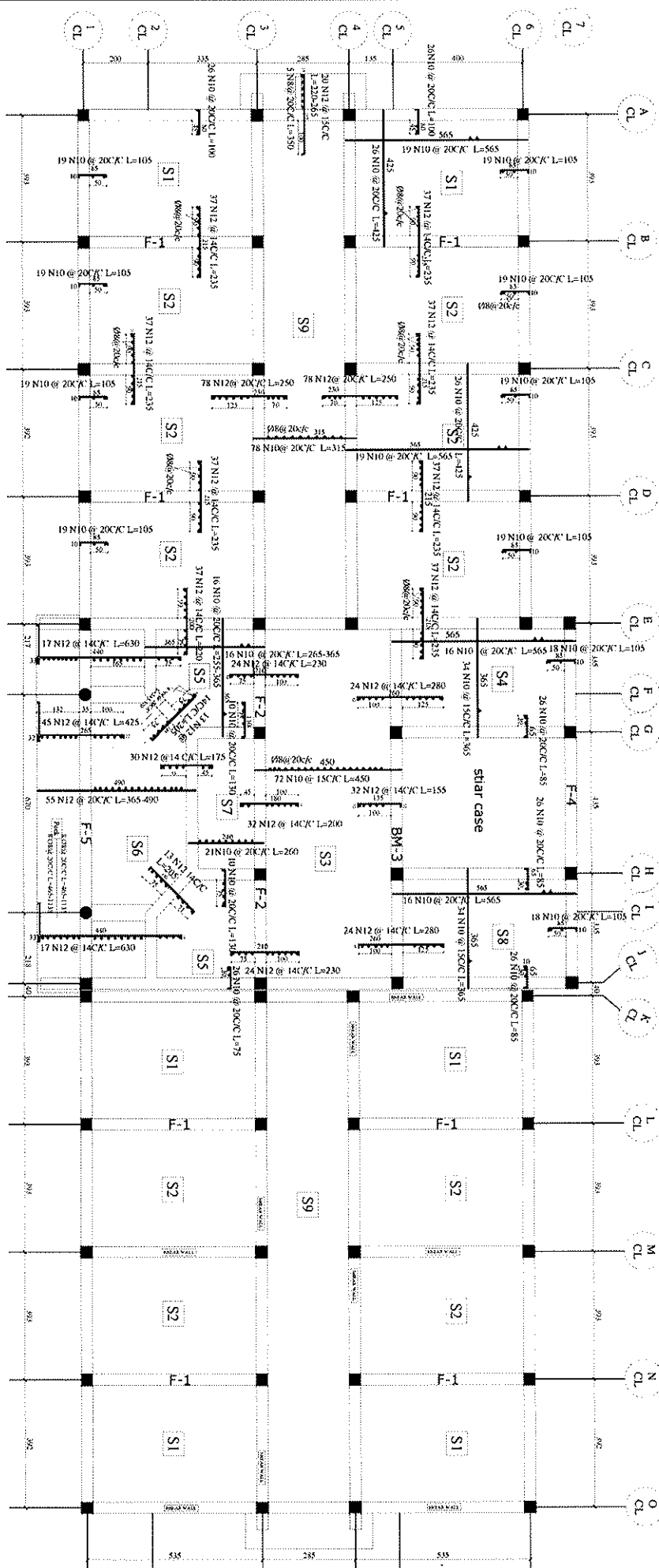
COED NO  
0255-1

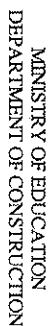
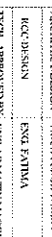
PROJECT NAME: \_\_\_\_\_

DRAWING TITLE: \_\_\_\_\_

6+2 Class Room Metal Sheet Roof

# REINFORCING PLAN



STANDARD SCHOOL DESIGN  
IN AFGHANISTAN

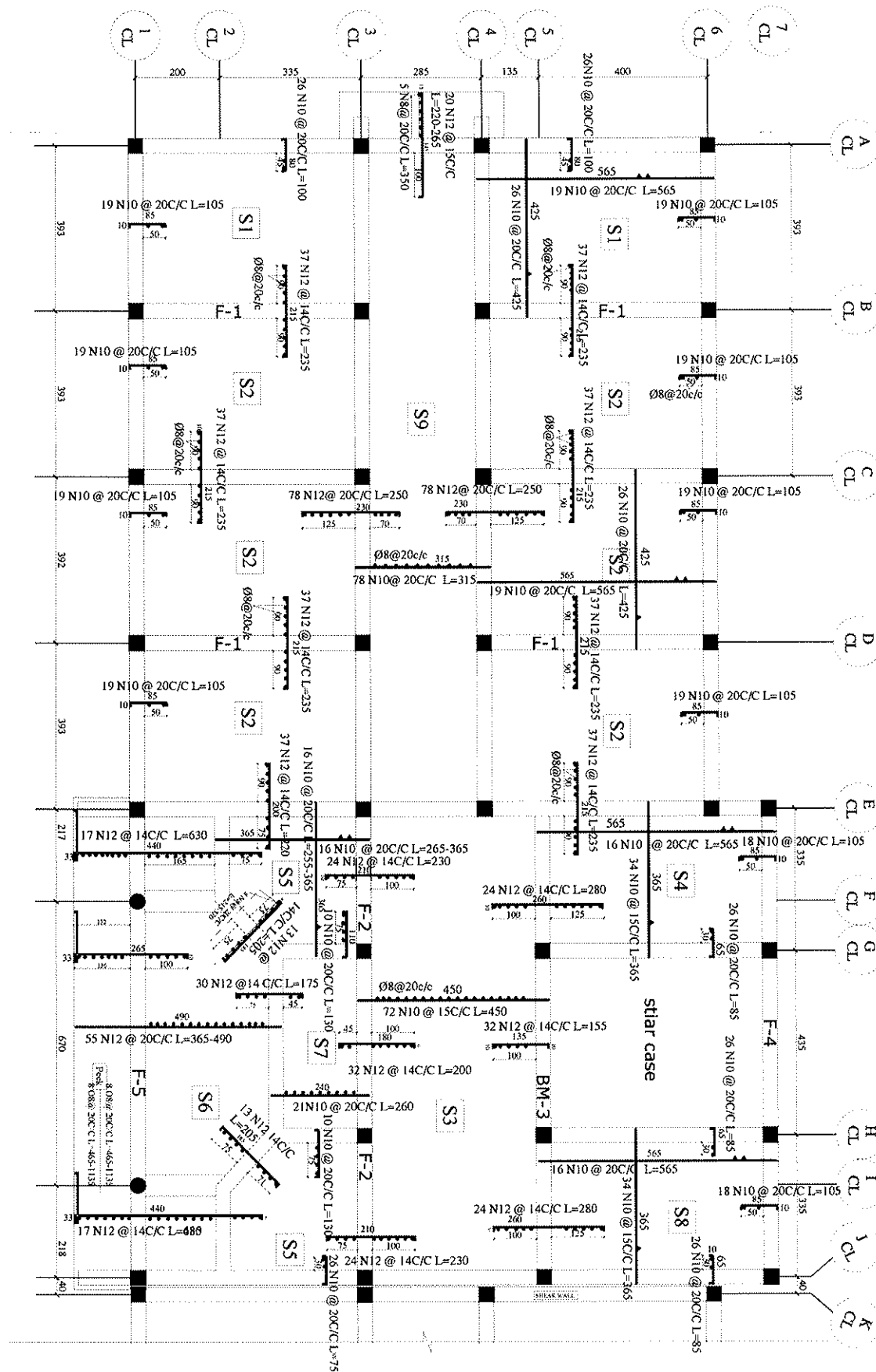
|              |              |
|--------------|--------------|
|              | AS SHOWN (P) |
| <b>SCALE</b> |              |
| <b>DAT:</b>  |              |

COPIED BY  
0255-1  
18

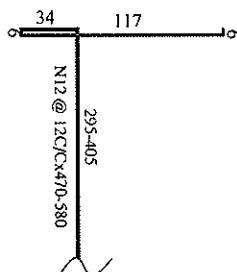
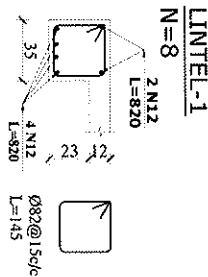
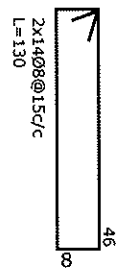
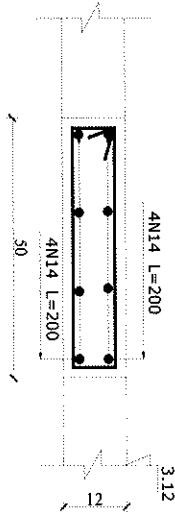
PROJECT NAME  
DRAWING TITLE

6+2 Class Room Metal Sheet Roof

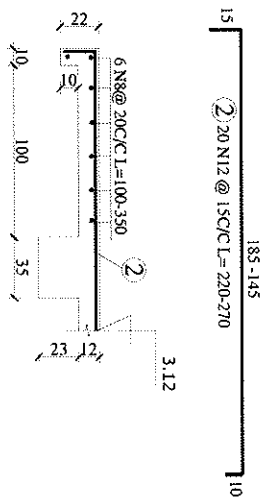
# REINFORCING PLAN



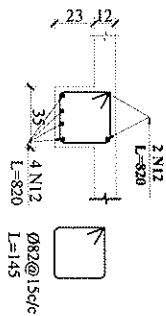
# HIDDEN BEAM-1



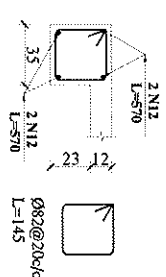
# CAVTILEVER-1



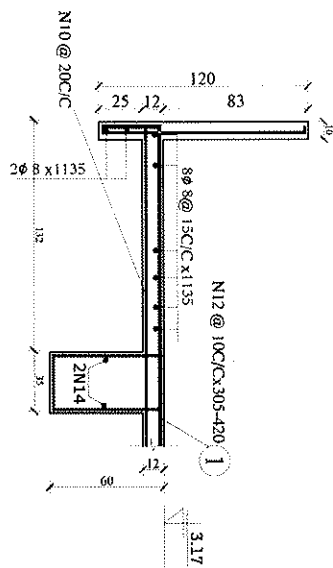
# LINTEL-2



# RING BEAM-1



# DETAIL-A



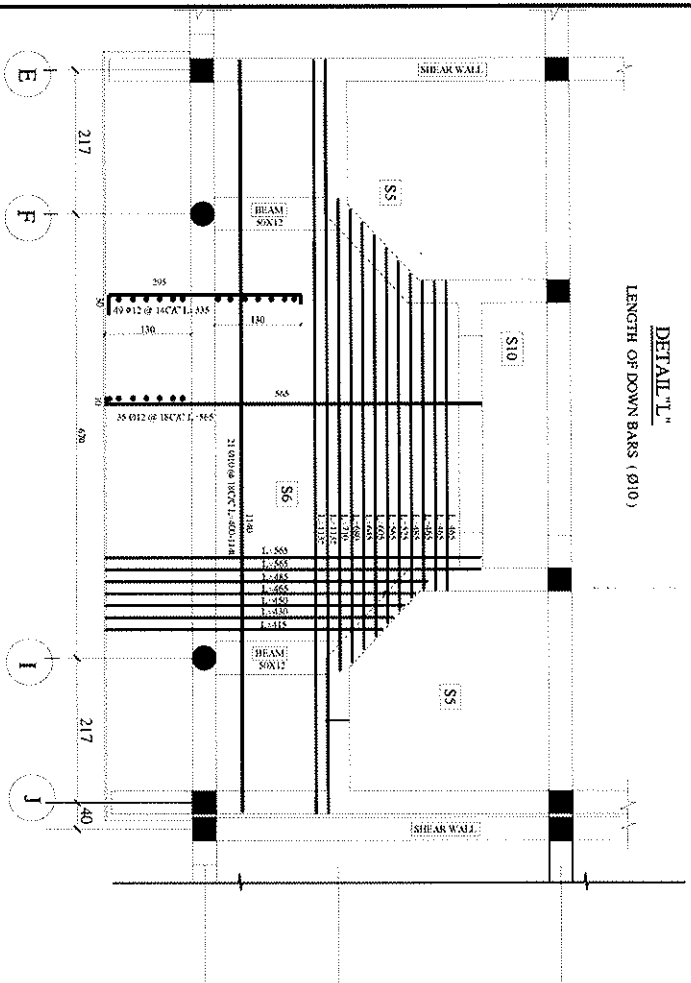
MINISTRY OF EDUCATION  
DEPARTMENT OF CONSTRUCTION



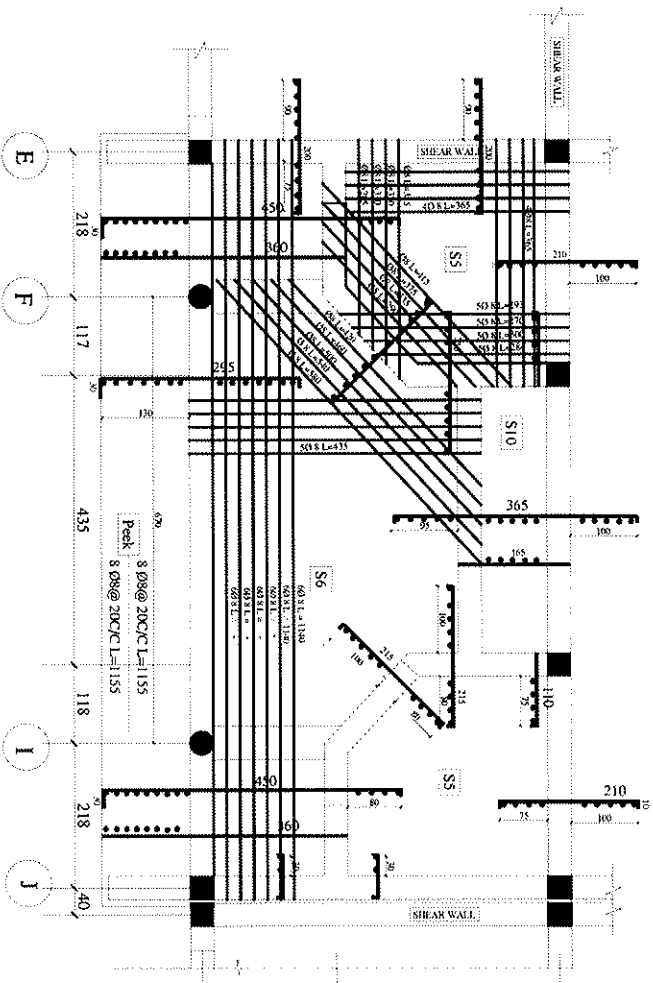
STANDARD SCHOOL DESIGN  
IN AFGHANISTAN

|                   |                    |                 |                    |                |                                 |
|-------------------|--------------------|-----------------|--------------------|----------------|---------------------------------|
| ARCHITECT DESIGN  | ARCHITECT DRAWING  | APPROVED DESIGN | ENGINEER SIGNATURE | DRAWING NUMBER | PROJECT NAME                    |
| PCB DESIGN        | ENG. FATIMA        | SCALE           | AS SHOWN (AS)      | 19             | 6-2 Class Room Metal Sheet Roof |
| TECH. APPROVED BY | ENG. ABGANTYALAOUL | DATE            | 2015.3.3           | 20             | Levelling                       |

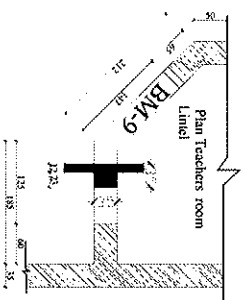
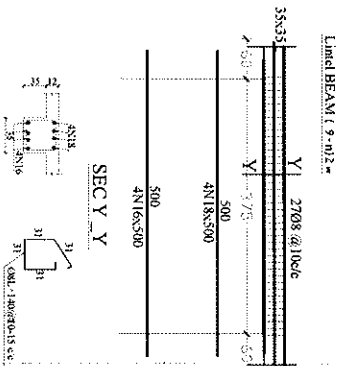
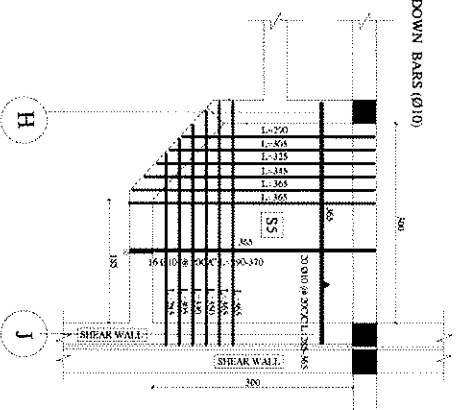
DETAIL "L"  
LENGTH OF DOWN BARS (Ø10)



DETAIL ("L", "S")  
LENGTH OF (Ø8)



DETAIL "S"  
LENGTH OF TOP AND DOWN BARS (Ø10)



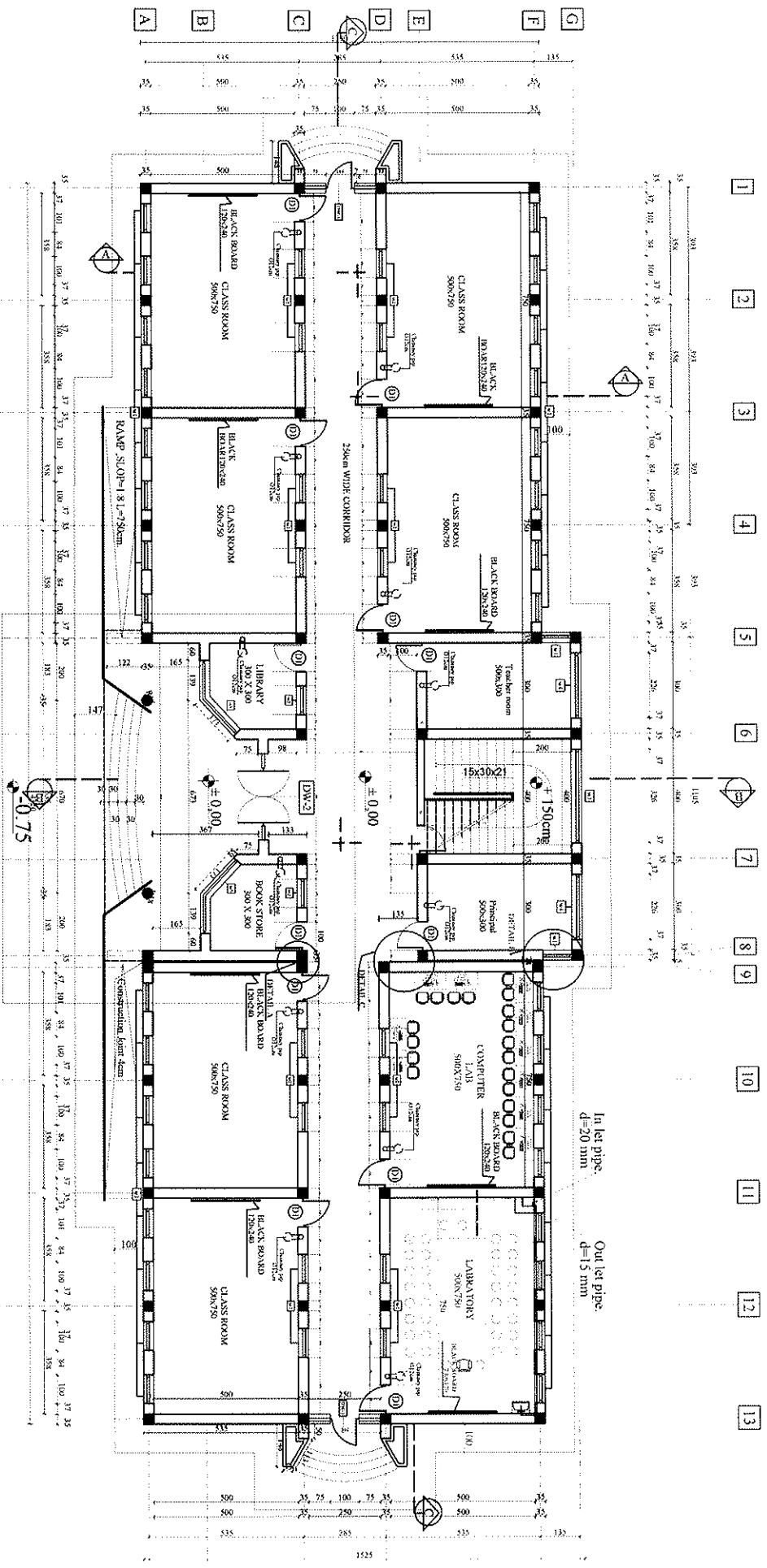
MINISTRY OF EDUCATION  
DEPARTMENT OF CONSTRUCTION



STANDARD SCHOOL DESIGN  
IN AFGHANISTAN

|                   |                    |               |             |                                 |
|-------------------|--------------------|---------------|-------------|---------------------------------|
| ARCHITECT/DESIGN  | ARCHITECT/DESIGNER | APPROVED/DATE | DESIGN/DATE | PROJECT NAME                    |
| RCC DESIGN        | ENG. FATIMA        | AS SHOWN (A1) | 2013.5.5    | 6+2 Class Room Metal Sheet Roof |
| TECH. APPROVED BY | ENG. MAJID KADOL   |               |             | Details                         |
|                   |                    |               |             |                                 |





WATER SUPPLY FOR GROUND FLOOR PLAN

MINISTRY OF EDUCATION  
DEPARTMENT OF CONSTRUCTION

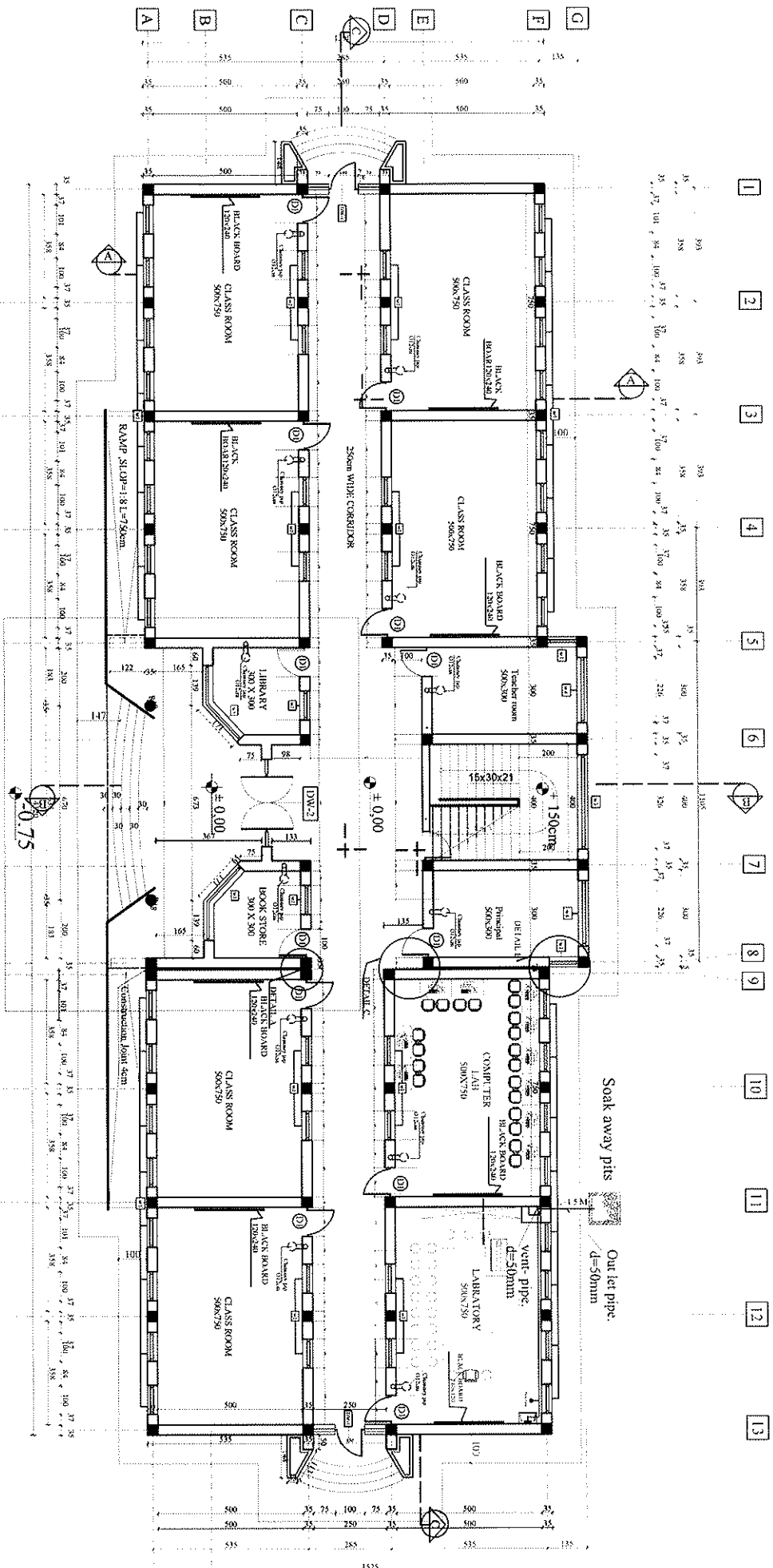
STANDARD SCHOOL DESIGN  
IN AFGHANISTAN

DESIGN: ENGR. H. B. KADIN  
CHECKED BY: ENGR. M. KADIN  
SCALE: AS SHOWN  
DATE: 10/10/2003  
PROJECT APPROVED BY: ENGR. M. KADIN

PROJECT NAME  
PROJECT TYPE/DRAWING TITLE

6-7 CLASS ROOM SCHOOL, UPTN, SHEET NO. 1/11  
LABORATORY AND COMPUTER LAB  
Plan of Water Supply

E



CANALIZATION FOR GROUND FLOOR PLAN

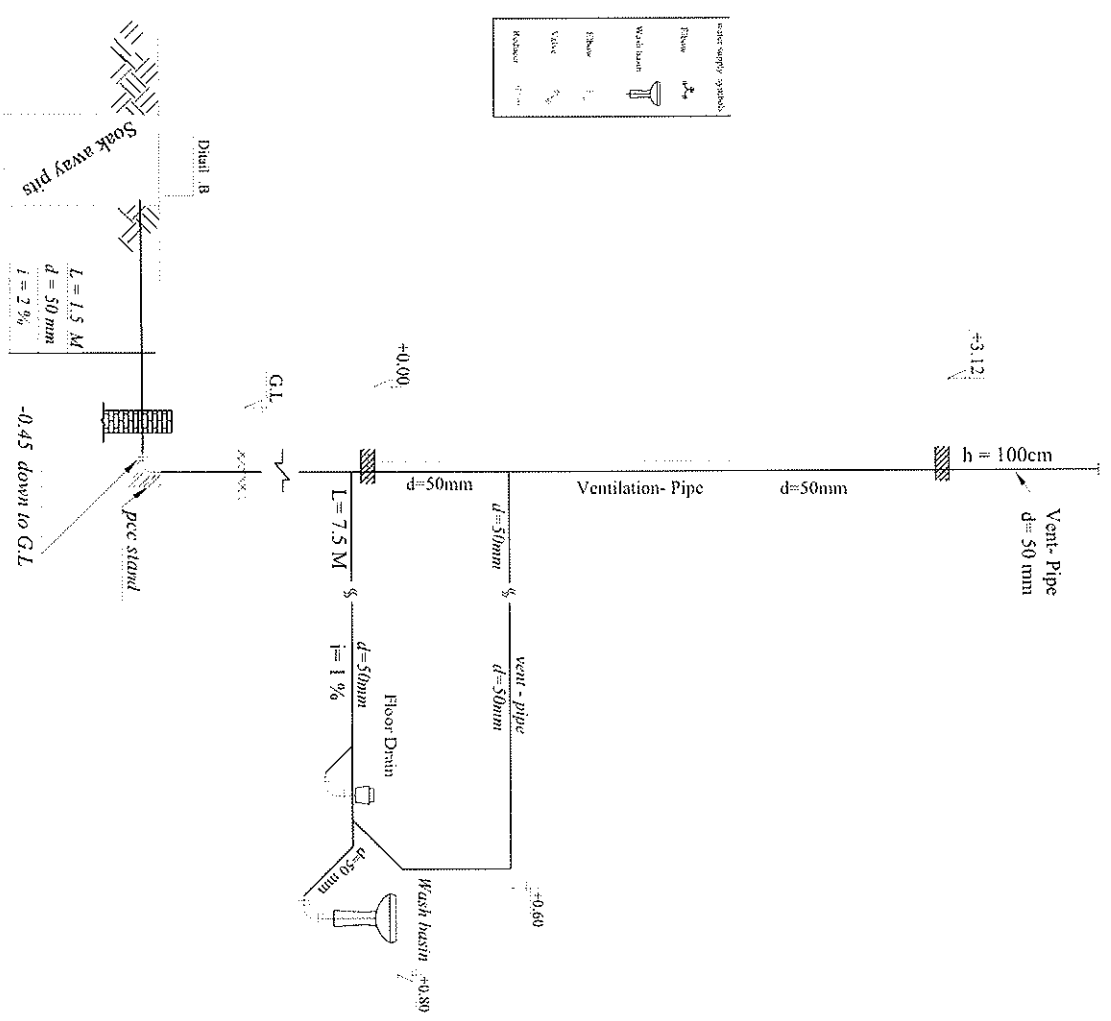
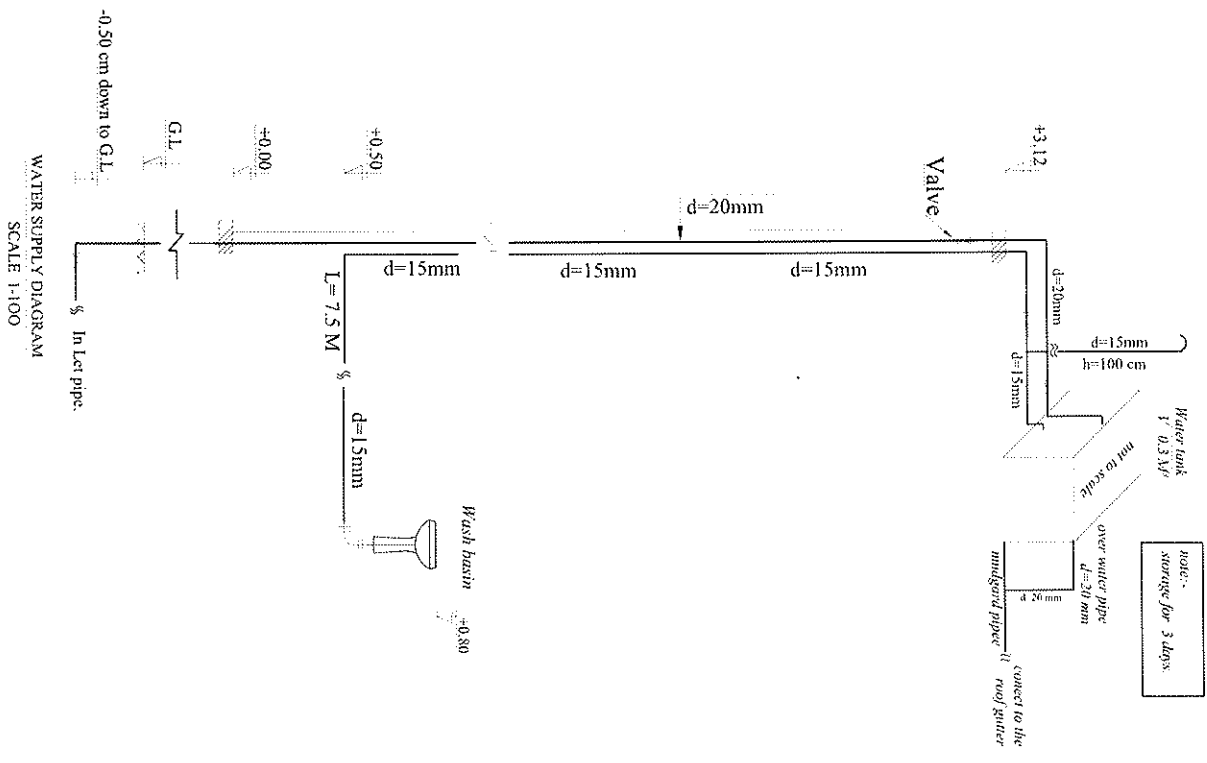
MINISTRY OF EDUCATION  
DEPARTMENT OF CONSTRUCTION

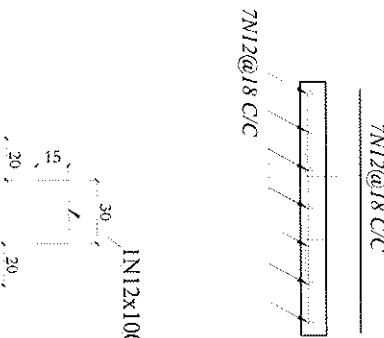
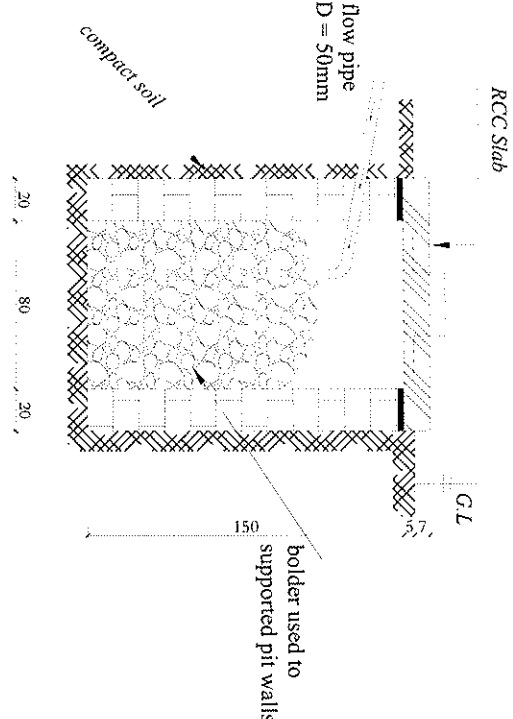
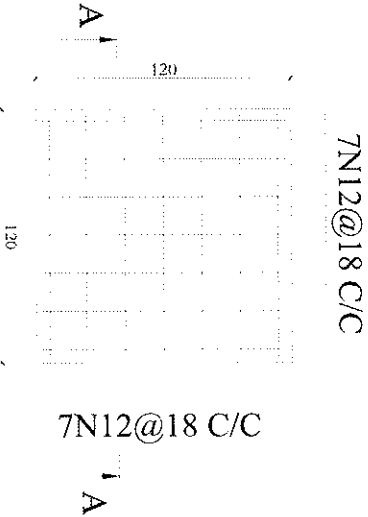
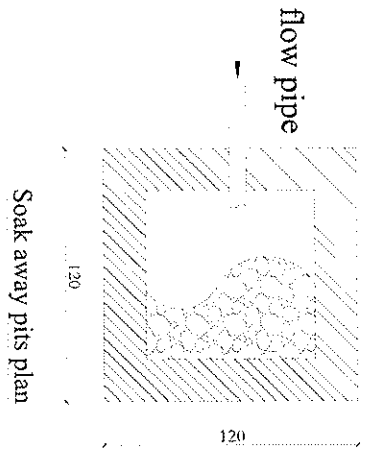
STANDARD SCHOOL DESIGN  
IN AFGHANISTAN

DESIGNER: [Name]  
DRAWN BY: [Name]  
CHECKED BY: [Name]  
SCALE: [Scale]  
DATE: [Date]

PROJECT NAME  
[Project Name]

LABORATORY AND COMPUTER LAB  
Plan of Canalization





MINISTRY OF EDUCATION  
DEPARTMENT OF CONSTRUCTION

STANDARD SCHOOL DESIGN  
IN AFGHANISTAN

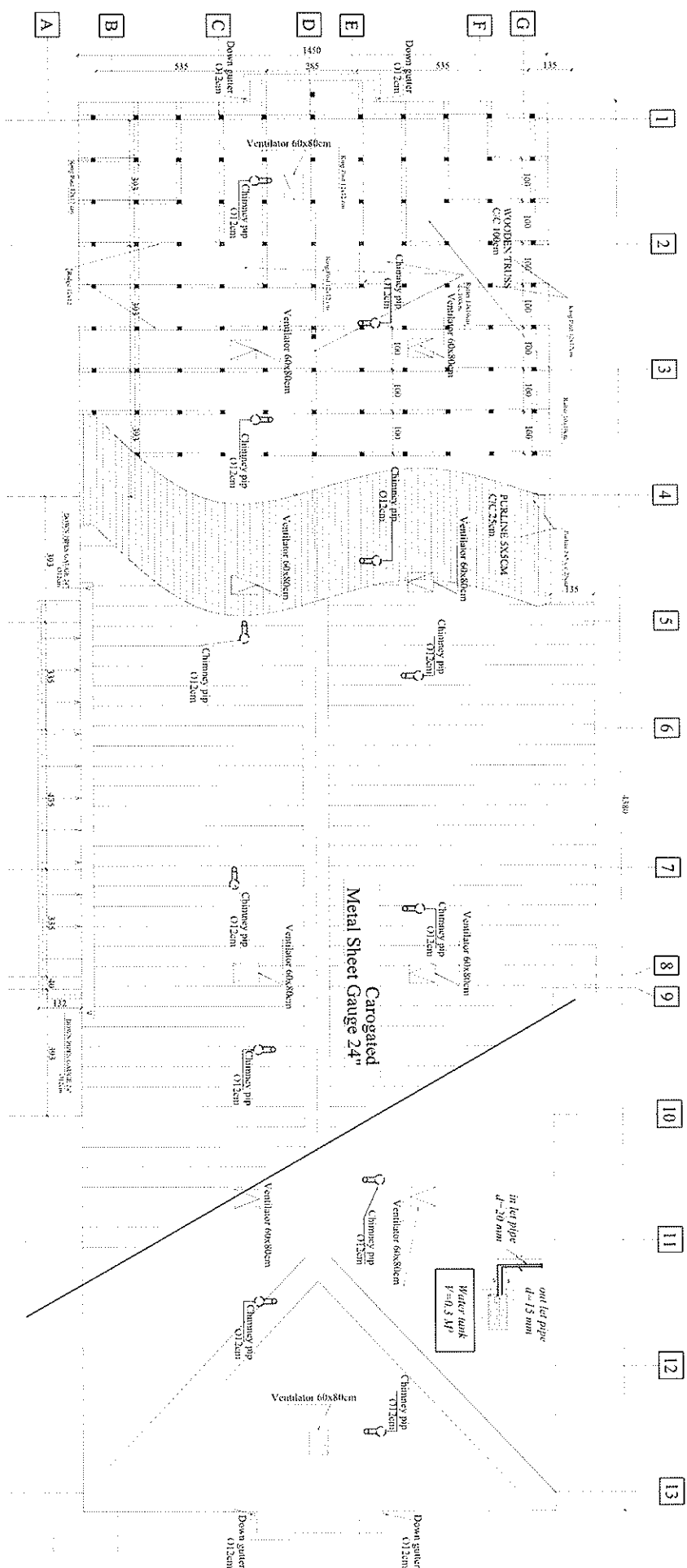
DATE: 07/21/17  
DESIGN  
CHECKED BY: [Signature]  
APPROVED BY: [Signature]  
SCALE: 1:100  
CODE NO: S-025-1



PROJECT NAME  
PROJECT TYPE/DRAWING TITLE

6/1 CLASSROOMS/SHED, WATER SUPPLY  
LABORATORY AND OTHER BUILDING  
Soak away pits detail

## LOCATION WATER TANK ON ROOF PLAN





















## NOTES.

- 1-Hight of sockets 450mm & switch 1300mm from floor.
- 2-Electrical panel level is 1800mm the highest.
- 3-All electrical cable P.V.C conduit are under ground 100mm.
- 4-The grounding Resistance shall not exceed 25 OHMS per NEC 250.56..
- 5-All receptacles in wet and damp location shall be water prove type.
- 6-all receptacles for exhaust fan 1ph,240volts and 16Amper.
- 7-P V C conduit exposed in 50 degrees ambient temperature shall schedule 80.
- 8-All wire 1x2.5mm&1x4mm in the P V C conduit are under the plaster and..
- 9-All connection(from one bulb to other) have Plastic joint caliper.
- 10-Ceiling P V C joint box should install for all bulbs which show in drawing.
- 11-Use 3colour wire red for phase,green for neutral and yellow+blue for ground.

|  |  |               |  |              |  |
|--|--|---------------|--|--------------|--|
| MINISTRY OF EDUCATION<br>DEPARTMENT OF<br>CONSTRUCTION | STANDARD SCHOOL DESIGN<br>IN AFGHANISTAN | SHEET NO. 1   |  | PROJECT NAME |  |
|  |  | DRAWING TITLE |  | NOTES.       |  |

## SPECIFICATION OF ELECTRICAL EQUIPMENT FOR TWO FLOOR

| NO. | DESCRIPTION   | SIGNS   | UNIT | PIECES | REMARKS                     |
|-----|---|---|------|--------|-----------------------------|
| 1   | FLUORESCENT LIGHT FIXTURE 2x36W, 50Hz, 220V                                       |  | NO   | 40     |                             |
| 2   | FLUORESCENT LIGHT FIXTURE 1x40W, 50Hz, 220V                                       |  | NO   | 12     |                             |
| 3   | TWO POLE SWITCH UNDER PLASTER 10 AMP, 1PH   |  | NO   | 10     |                             |
| 4   | TWO WAY SWITCHES  |  | NO   | 7      |                             |
| 5   | SINGLE POLE SWITCH UNDER PLASTER, 10AMP, 1PH                                      |  | NO   | 2      |                             |
| 6   | SOCKET OUTLET - SINGLE PHASE  |  | NO   | 38     |                             |
| 7   | PANEL BOARD WITH 1X40 AMP MINE CB, 2X16AMP CB+RCBO, 10X20AMP CB+RCBO              |   | NO   | 1      | All CB 16&20Amp+RCBO.       |
| 8   | WIRE 1X2.5 mm for lighting.   |    | M    | 800    |                             |
| 9   | WIRE 1X4mm² for sockets.  |    | M    | 750    |                             |
| 10  | WIRE 1(3x16)mm² from mine panel to distribution panel.                            |    | M    | 7      |                             |
| 11  | Cable 1x16 mm² FOR GROUNDING  |    | M    | 12     |                             |
| 12  | CABLE 1x25mm² FOR GROUNDING   |    | M    | 15     |                             |
| 13  | PVC CONDUIT 1 INCH  |    | M    | 460    |                             |
| 14  | PVC JOINT BOX   |    | NO   | 63     |                             |
| 15  | GROUNDING ROD 3M LENGTH, Ø20MM  |    | NO   | 4      |                             |
| 16  | MAIN DISTRIBUTION PANEL COMPLETE WITH 80 AMP MAIN C B AND 2X40AMP AUTOMATIC FUSE. |    | M    | 1      | THIS TYPE IS FOR TWO FLOOR. |
| 17  | CABLE 1(2x25mm²) FOR MINE LINE  |    | M    | 50     | THIS TYPE IS FOR TWO FLOOR. |
| 18  | PVC CONDUIT 3 INCH  |    | M    | 50     |                             |

**RCBO(Residual Circuit Breaker Over Current**

MINISTRY OF EDUCATION  
DEPARTMENT OF  
CONSTRUCTION

STANDARD SCHOOL DESIGN  
IN AFGHANISTAN

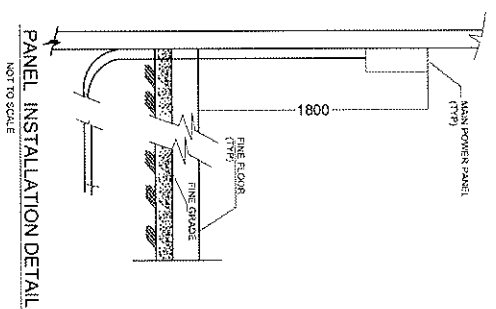
ELECTRICAL DESIGN  
GENERAL LAYOUT  
DATE: 2014/01/01

APPROVAL SIGNATURE  
DATE: 2014/01/01

TYPE

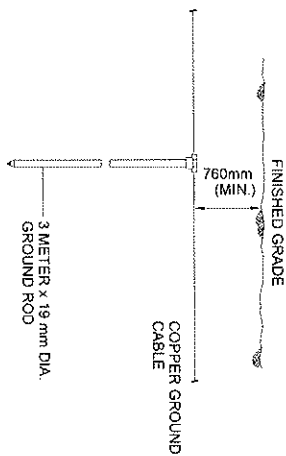
PROJECT NAME  
DRAWING TITLE  
LEGEND

CLASS SCHOOL B. BRICK R.C.C. SHEET ROOF.



**LATM RISER DIAGRAM**  
NOT TO SCALE

NOT TO SCALE



NOT TO SCALE

NOT TO SCALE

- BELOW GRADE GROUNDING ROD DETAIL**  
NOT TO SCALE

NOT 10 SCALE

NOT TO SCALE



NOT TO SCALE

|   |  |  |                     |
|---|--|--|---------------------|
| <b>MINISTRY OF EDUCATION</b><br><b>DEPARTMENT OF</b><br><b>CONSTRUCTION</b> |  | <b>STANDARD SCHOOL DESIGN</b><br><b>IN AFGHANISTAN</b> |                     |
| LEAD ARCHITECT<br>GHAJALAB  | DATE PREPARED SHEET<br>APRIL 2002/2003 | APPROVED BY<br>S. G. G.                                | NO. OF SHEETS<br>10 |
| TYPE<br>SCHOOL  | NO. OF SHEETS<br>10                    | NO. OF SHEETS<br>10                                    | NO. OF SHEETS<br>10 |
| PROJECT NAME<br>8 CLASS SCHOOL, B. B. R. R. C. I. SHEET ROOF.               |  | DRAWING TITLE<br>GROUNDING.                            |                     |



MINISTRY OF EDUCATION  
DEPARTMENT OF  
CONSTRUCTION

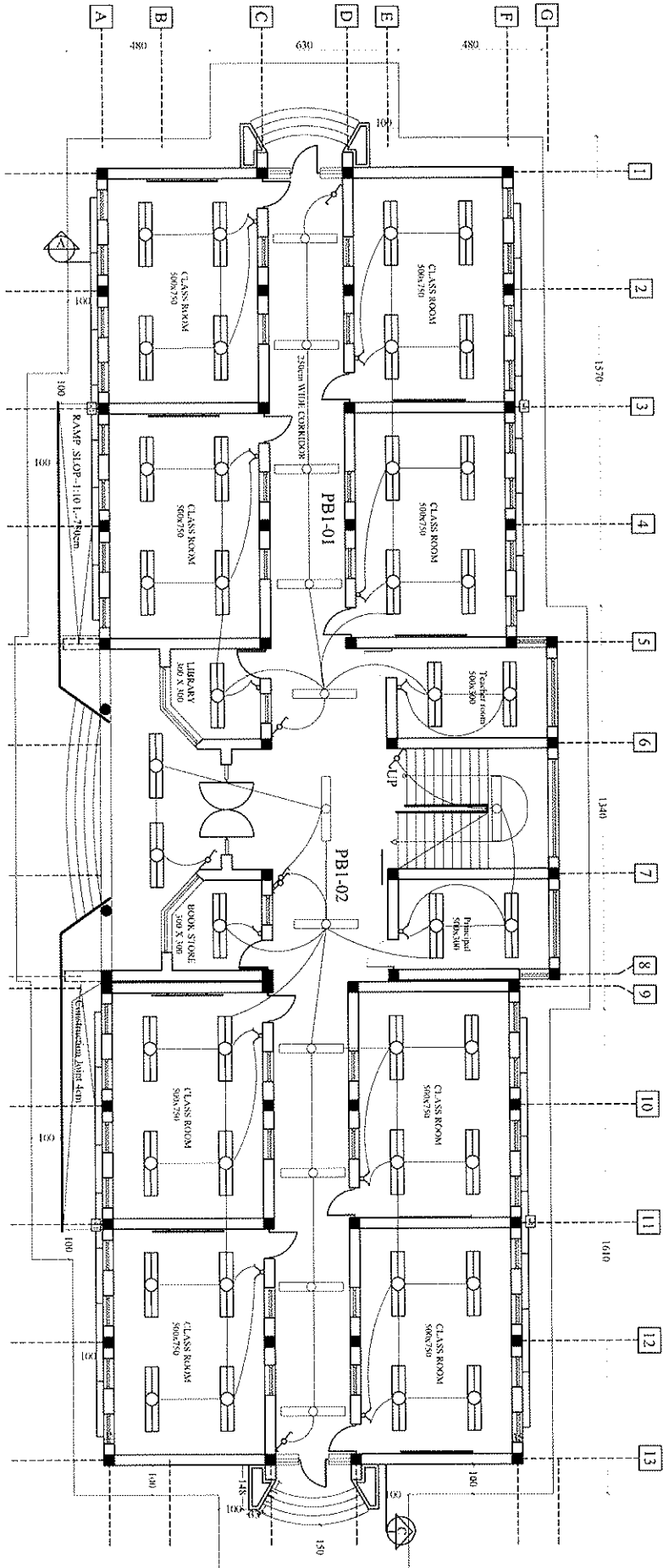
STANDARD SCHOOL DESIGN  
IN AFGHANISTAN

DESIGNER: ARCHITECT  
DATE: 2000  
SCALE: 1:100  
SHEET NO: 4

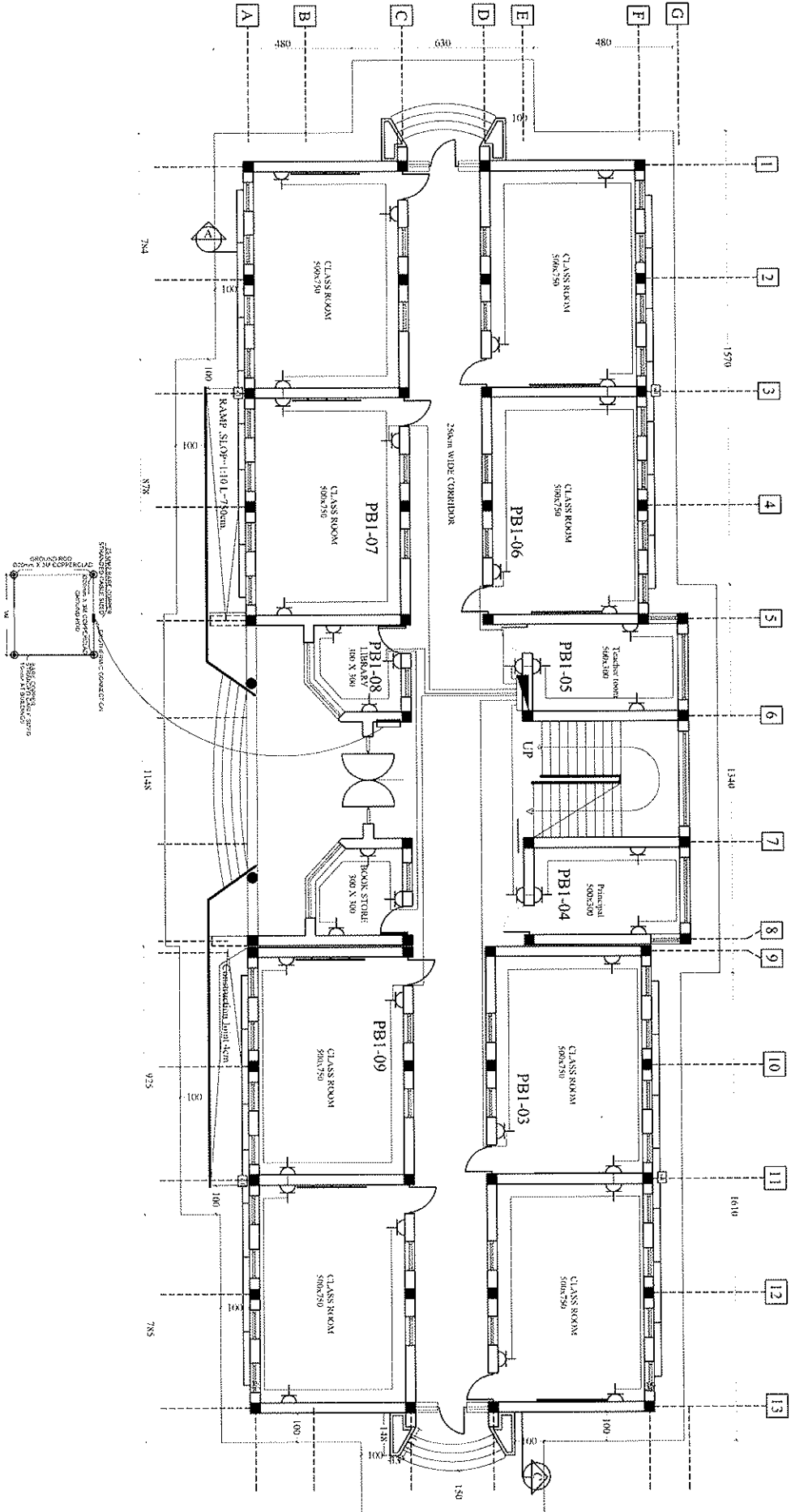
PROJECT NAME  
DRAWING TITLE

8 CLASS SCHOOL 3 Bldg. R.C.C. SHEET NO. 4  
GROUND FLOOR LIGHTING PLAN

# GROUND FLOOR LIGHTING PLAN.



# GROUND FLOOR POWER PLAN.



MINISTRY OF EDUCATION  
DEPARTMENT OF  
CONSTRUCTION

STANDARD SCHOOL DESIGN  
IN AFGHANISTAN

DESIGNED BY: [Name]  
CHECKED BY: [Name]  
APPROVED BY: [Name]

DATE: [Date]  
SCALE: [Scale]  
SHEET NO.: [Sheet No.]

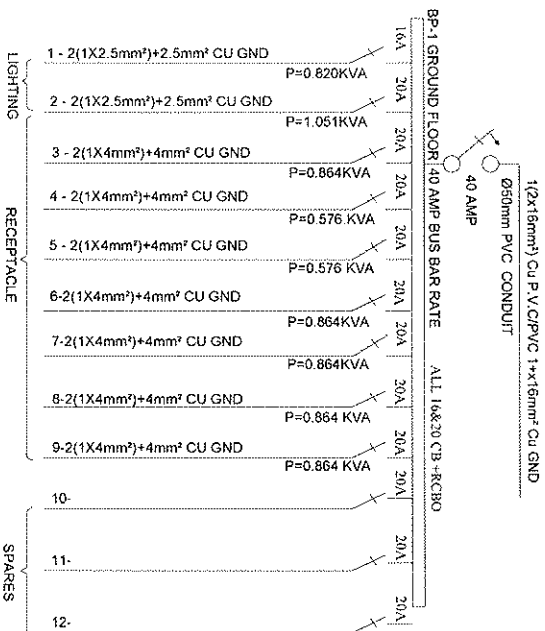
TYPE

5

PROJECT NAME

DRAWING TITLE  
GROUND FLOOR POWER PLAN.

## PANEL SCHEDULE AND SINGLE LINE DIAGRAM



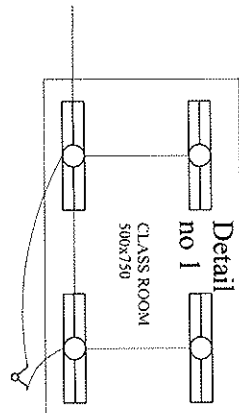
PANEL BOARD NAME : PBI

40 AMP BUS BAR RATE

MAIN BREAKER -40 A

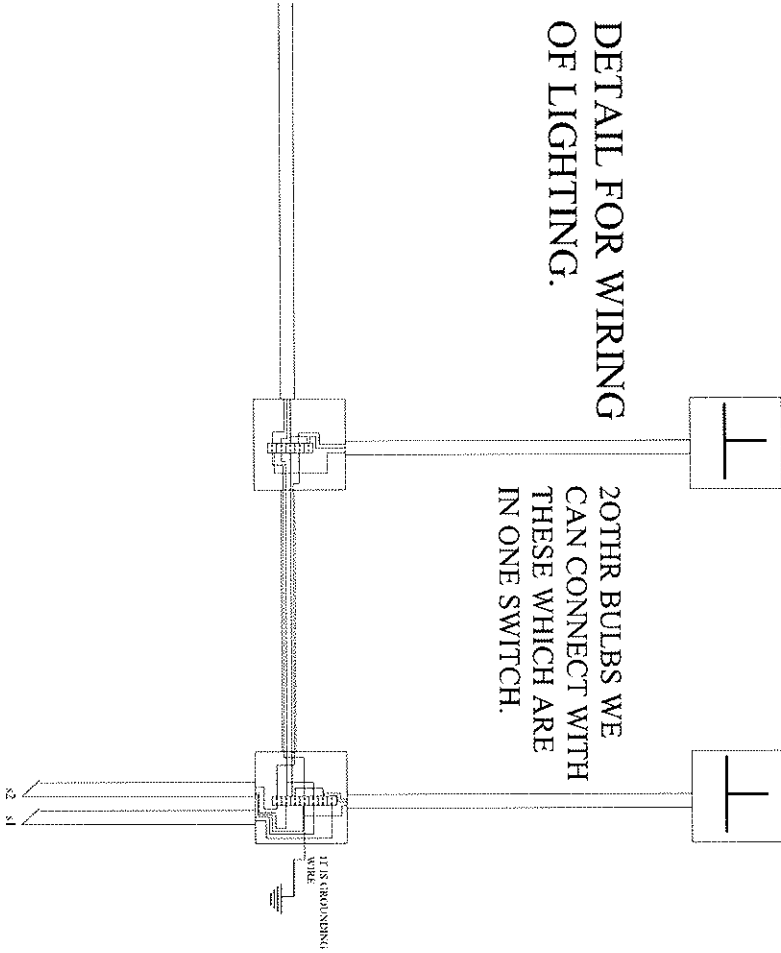
PANEL LOCATION: GROUND FLOOR PANEL 230 VOLT , 1 PHASE , 3 WIRE , 50MIZ 20KA 1SC / 0.5 SEC. RECESSED MOUNTED NAME ENCLOSURE

| WIRE, CONDUIT AND DESCRIPTION |        | SINGLE PHASE |             |         | THREE CIRCUIT |     |     | SINGLE PHASE |     |        | WIRE, CONDUIT AND DESCRIPTION |             |                   |
|-------------------------------|--------|--------------|-------------|---------|---------------|-----|-----|--------------|-----|--------|-------------------------------|-------------|-------------------|
| WIRE AND CONDUIT              |        | WIRE         | DESCRIPTION | A (VA)  | A (VA)        | AMP | CKT | CKT          | AMP | A (VA) | A (VA)                        | DESCRIPTION | WIRE AND CONDUIT  |
| 21(X)2.5mm²/Ø20mm             | 2.5mm² |              | LIGHTING    | 830.800 |               | 16  | 1   | 2            | 16  | 1051.0 |                               | LIGHTING    | 21(X)2.5mm²/Ø20mm |
| 21(X)1mm²/Ø20mm               | 4mm²   |              | RECEPTACLE  |         |               | 20  | 3   | 4            | 20  |        |                               | RECEPTACLE  | 21(X)1mm²/Ø20mm   |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  |         |               | 20  | 5   | 6            |     |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  | 864.0   |               | 20  | 7   | 8            | 20  | 864.0  |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  |         |               | 20  | 9   | 10           | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  | 864.0   |               | 20  | 1   | 12           | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  |         |               | 20  | 13  | 14           | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  | 864.0   |               | 20  | 15  | 16           | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  |         |               | 20  | 17  | 18           | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  | 864.0   |               | 20  | 19  | 20           | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  |         |               | 20  | 21  | 22           | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  | 864.0   |               | 20  | 23  | 24           | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  |         |               | 20  | 25  | 26           | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  | 864.0   |               | 20  | 27  | 28           | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  |         |               | 20  | 29  | 30           | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  | 864.0   |               | 20  | 31  | 32           | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  |         |               | 20  | 33  | 34           | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  | 864.0   |               | 20  | 35  | 36           | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  |         |               | 20  | 37  | 38           | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  | 864.0   |               | 20  | 39  | 40           | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  |         |               | 20  | 41  | 42           | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  | 864.0   |               | 20  | 43  | 44           | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  |         |               | 20  | 45  | 46           | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  | 864.0   |               | 20  | 47  | 48           | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  |         |               | 20  | 49  | 50           | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  | 864.0   |               | 20  | 51  | 52           | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  |         |               | 20  | 53  | 54           | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  | 864.0   |               | 20  | 55  | 56           | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  |         |               | 20  | 57  | 58           | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  | 864.0   |               | 20  | 59  | 60           | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  |         |               | 20  | 61  | 62           | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  | 864.0   |               | 20  | 63  | 64           | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  |         |               | 20  | 65  | 66           | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  | 864.0   |               | 20  | 67  | 68           | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  |         |               | 20  | 69  | 70           | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  | 864.0   |               | 20  | 71  | 72           | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  |         |               | 20  | 73  | 74           | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  | 864.0   |               | 20  | 75  | 76           | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  |         |               | 20  | 77  | 78           | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  | 864.0   |               | 20  | 79  | 80           | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  |         |               | 20  | 81  | 82           | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  | 864.0   |               | 20  | 83  | 84           | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  |         |               | 20  | 85  | 86           | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  | 864.0   |               | 20  | 87  | 88           | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  |         |               | 20  | 89  | 90           | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  | 864.0   |               | 20  | 91  | 92           | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  |         |               | 20  | 93  | 94           | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  | 864.0   |               | 20  | 95  | 96           | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  |         |               | 20  | 97  | 98           | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  | 864.0   |               | 20  | 99  | 100          | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  |         |               | 20  | 101 | 102          | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  | 864.0   |               | 20  | 103 | 104          | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  |         |               | 20  | 105 | 106          | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  | 864.0   |               | 20  | 107 | 108          | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  |         |               | 20  | 109 | 110          | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  | 864.0   |               | 20  | 111 | 112          | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  |         |               | 20  | 113 | 114          | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  | 864.0   |               | 20  | 115 | 116          | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  |         |               | 20  | 117 | 118          | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  | 864.0   |               | 20  | 119 | 120          | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  |         |               | 20  | 121 | 122          | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  | 864.0   |               | 20  | 123 | 124          | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  |         |               | 20  | 125 | 126          | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  | 864.0   |               | 20  | 127 | 128          | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  |         |               | 20  | 129 | 130          | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  | 864.0   |               | 20  | 131 | 132          | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  |         |               | 20  | 133 | 134          | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  | 864.0   |               | 20  | 135 | 136          | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  |         |               | 20  | 137 | 138          | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  | 864.0   |               | 20  | 139 | 140          | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  |         |               | 20  | 141 | 142          | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  | 864.0   |               | 20  | 143 | 144          | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  |         |               | 20  | 145 | 146          | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  | 864.0   |               | 20  | 147 | 148          | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  |         |               | 20  | 149 | 150          | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  | 864.0   |               | 20  | 151 | 152          | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  |         |               | 20  | 153 | 154          | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  | 864.0   |               | 20  | 155 | 156          | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  |         |               | 20  | 157 | 158          | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  | 864.0   |               | 20  | 159 | 160          | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  |         |               | 20  | 161 | 162          | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  | 864.0   |               | 20  | 163 | 164          | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  |         |               | 20  | 165 | 166          | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  | 864.0   |               | 20  | 167 | 168          | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  |         |               | 20  | 169 | 170          | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  | 864.0   |               | 20  | 171 | 172          | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  |         |               | 20  | 173 | 174          | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  | 864.0   |               | 20  | 175 | 176          | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  |         |               | 20  | 177 | 178          | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  | 864.0   |               | 20  | 179 | 180          | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  |         |               | 20  | 181 | 182          | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  | 864.0   |               | 20  | 183 | 184          | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  |         |               | 20  | 185 | 186          | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  | 864.0   |               | 20  | 187 | 188          | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  |         |               | 20  | 189 | 190          | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  | 864.0   |               | 20  | 191 | 192          | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  |         |               | 20  | 193 | 194          | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  | 864.0   |               | 20  | 195 | 196          | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  |         |               | 20  | 197 | 198          | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  | 864.0   |               | 20  | 199 | 200          | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  |         |               | 20  | 201 | 202          | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  | 864.0   |               | 20  | 203 | 204          | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  |         |               | 20  | 205 | 206          | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  | 864.0   |               | 20  | 207 | 208          | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  |         |               | 20  | 209 | 210          | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  | 864.0   |               | 20  | 211 | 212          | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  |         |               | 20  | 213 | 214          | 20  |        |                               | RECEPTACLE  | 21(X)mm²/Ø20mm    |
| 21(X)mm²/Ø20mm                | 4mm²   |              | RECEPTACLE  | 864.0   |               | 20  | 215 | 216          | 20  |        |                               | RECEPTACLE  | 21(X              |



DETAIL FOR WIRING  
OF LIGHTING.

20THR BULBS WE  
CAN CONNECT WITH  
THESE WHICH ARE  
IN ONE SWITCH.



MINISTRY OF EDUCATION  
DEPARTMENT OF  
CONSTRUCTION

STANDARD SCHOOL DESIGN  
IN AFGHANISTAN

|                    |                  |               |      |
|--------------------|------------------|---------------|------|
| LAST TECHN. DESIGN | TECHNICAL NUMBER | APPROVAL DATE | DATE |
| DATE               | DATE             | DATE          | DATE |

|      |         |
|------|---------|
| TYPE | SECTION |
| TYPE | SECTION |

|               |               |
|---------------|---------------|
| PROJECT NAME  | PROJECT NAME  |
| DRAWING TITLE | DRAWING TITLE |