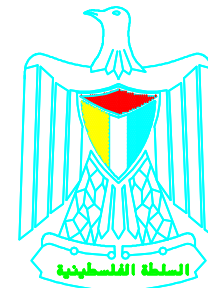




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Programme of Assistance the Palestinian People



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EDUCATION ABOVE ALL
Al Fakhoora Programme

Project Name

RIGHT TO EDUCATION

School name

Al Karmel Secondary Boys Schools

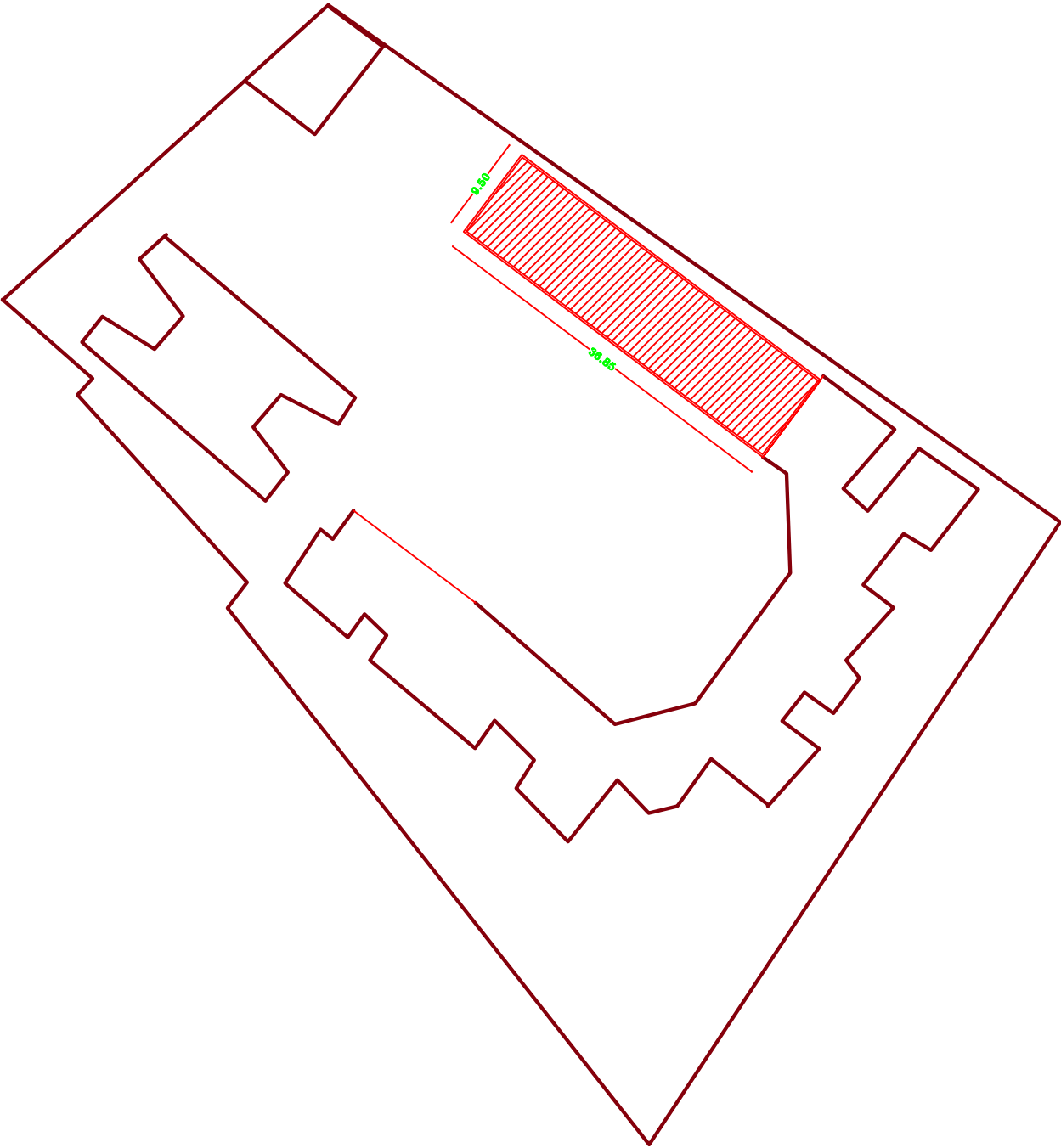
March 2015

Al Karmel Secondary Boys School

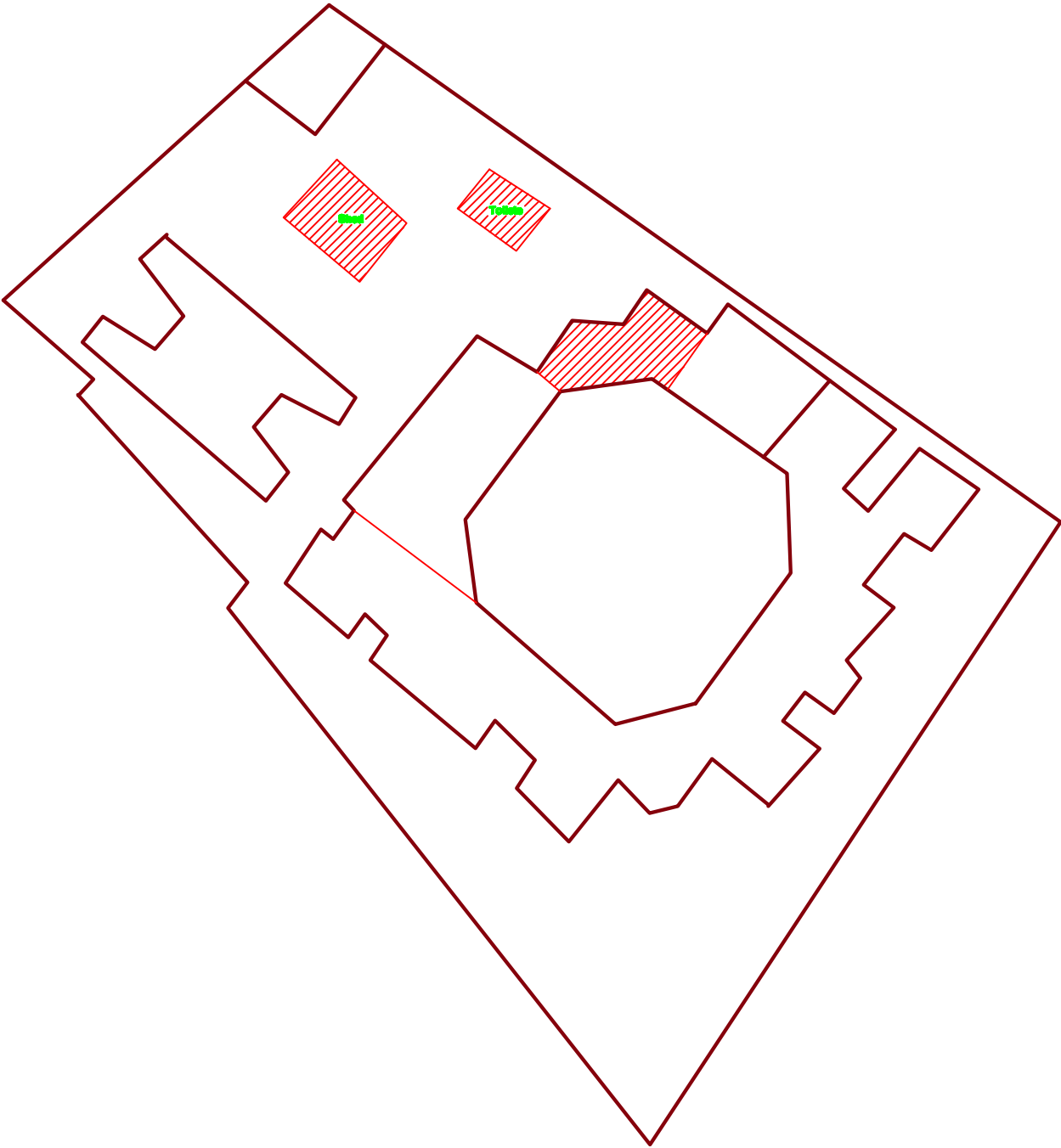
Proposed Intervention

1. Removal of existing part of the old buildings, Toilets and shed.
2. Construction of 3floors new biulding

PROPOSED BUILDING



TO BE REMOVED



NOTES:



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Project Name

RIGHT TO EDUCATION

School name

Al Karmel Secondary Boys Schools

Drawing name

PROPOSED SITE PLAN

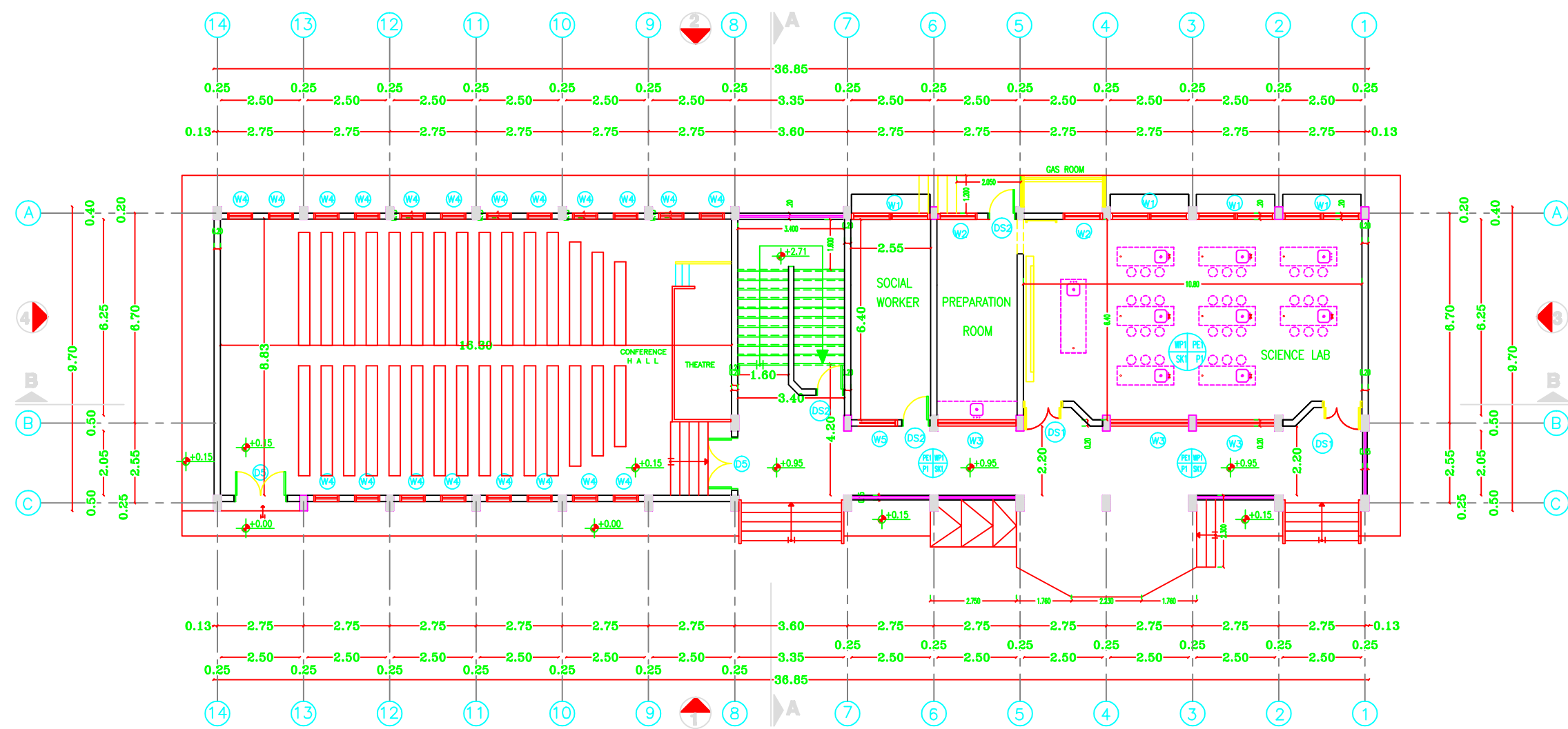
Scale

To 1:1

Drawing No.

A 00

Architectural Drawings



GROUND FLOOR PLAN

- NOTES:
- PE1 = PLASTER & EMULSION PAINT (CEILING)
 - WP1 = PLASTER & EMULSION PAINT (WALLS)
 - P1 = TERRAZO TILE SIZE 30X30X2.5CM MARBLE
 - SK1 = TERRAZO SKIRTING 1X7CM HIGH
 - WP2 = CERAMIC WALL TILES UP TO LINTEL LEVEL & PLASTER AND EMULSION PAINT (WALLS)
 - P2 = NON-SLIP CERAMIC FLOOR TILES
 - FFL(+0.00) IS THE FINISHED FLOOR LEVEL INDICATED IN THE SITE LAYOUT DRAWING.
 - C1-ROUGH CONCRETE FINISH





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School name

Al Karmel Secondary Boys Schools

Drawing name

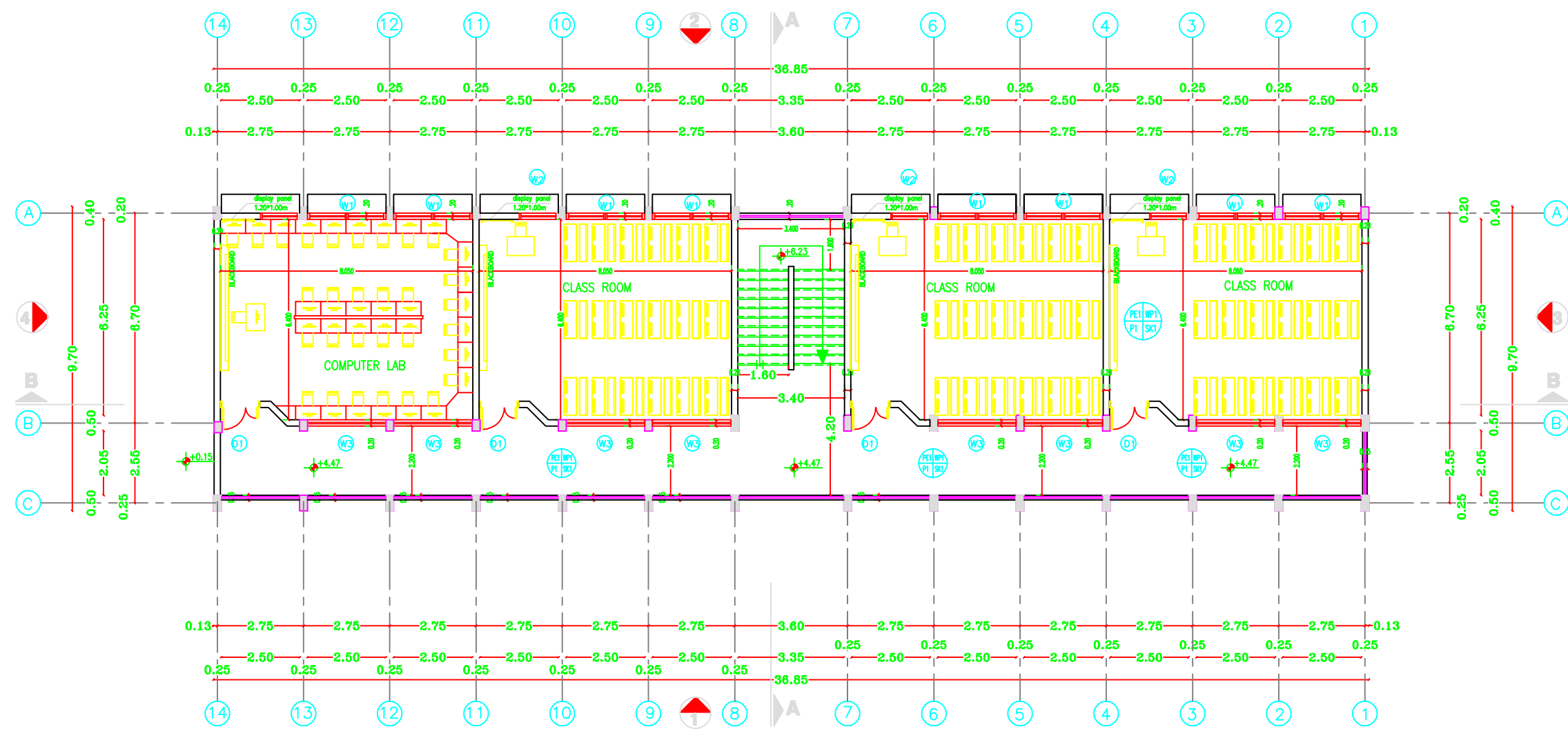
GROUND FLOOR PLAN

Scale

Drawing No.

Sheet

A 01



FIRST FLOOR PLAN

- NOTES:
- PE1 = PLASTER & EMULSION PAINT (CEILING)
 - WP1 = PLASTER & EMULSION PAINT (WALLS)
 - P1 = TERRAZO TILE SIZE 30X30X2.5CM MARBLE
 - SK1 = TERRAZO SKIRTING 1X7CM HIGH
 - WP2 = CERAMIC WALL TILES UP TO LINTEL LEVEL & PLASTER AND EMULSION PAINT (WALLS)
 - P2 = NON-SLIP CERAMIC FLOOR TILES
 - FFL(+0.00) IS THE FINISHED FLOOR LEVEL INDICATED IN THE SITE LAYOUT DRAWING.
 - C1-ROUGH CONCRETE FINISH





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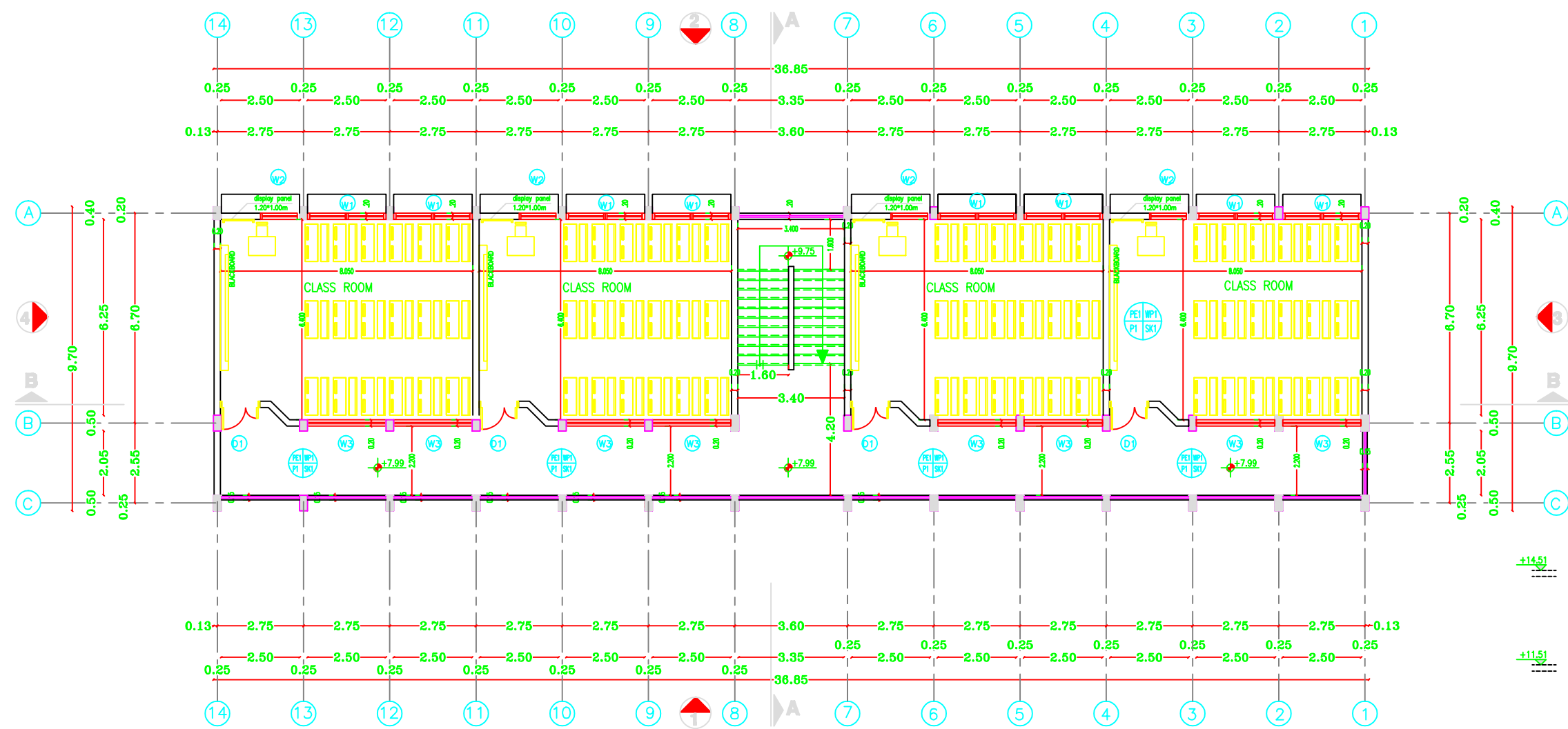
School name

Al Karmel Secondary Boys Schools

Drawing name

FIRST FLOOR PLAN

Scale	Drawing No.
1:100	A 02



SECOND FLOOR PLAN

- NOTES:
- PE1 = PLASTER & EMULSION PAINT (CEILING)
 - WP1 = PLASTER & EMULSION PAINT (WALLS)
 - P1 = TERRAZO TILE SIZE 30X30X2.5CM MARBLE
 - SK1 = TERRAZO SKIRTING 1X7CM HIGH
 - WP2 = CERAMIC WALL TILES UP TO LINTEL LEVEL & PLASTER AND EMULSION PAINT (WALLS)
 - P2 = NON-SLIP CERAMIC FLOOR TILES
 - FFL(+0.00) IS THE FINISHED FLOOR LEVEL INDICATED IN THE SITE LAYOUT DRAWING.
 - C1-ROUGH CONCRETE FINISH





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Project Name

RIGHT TO EDUCATION

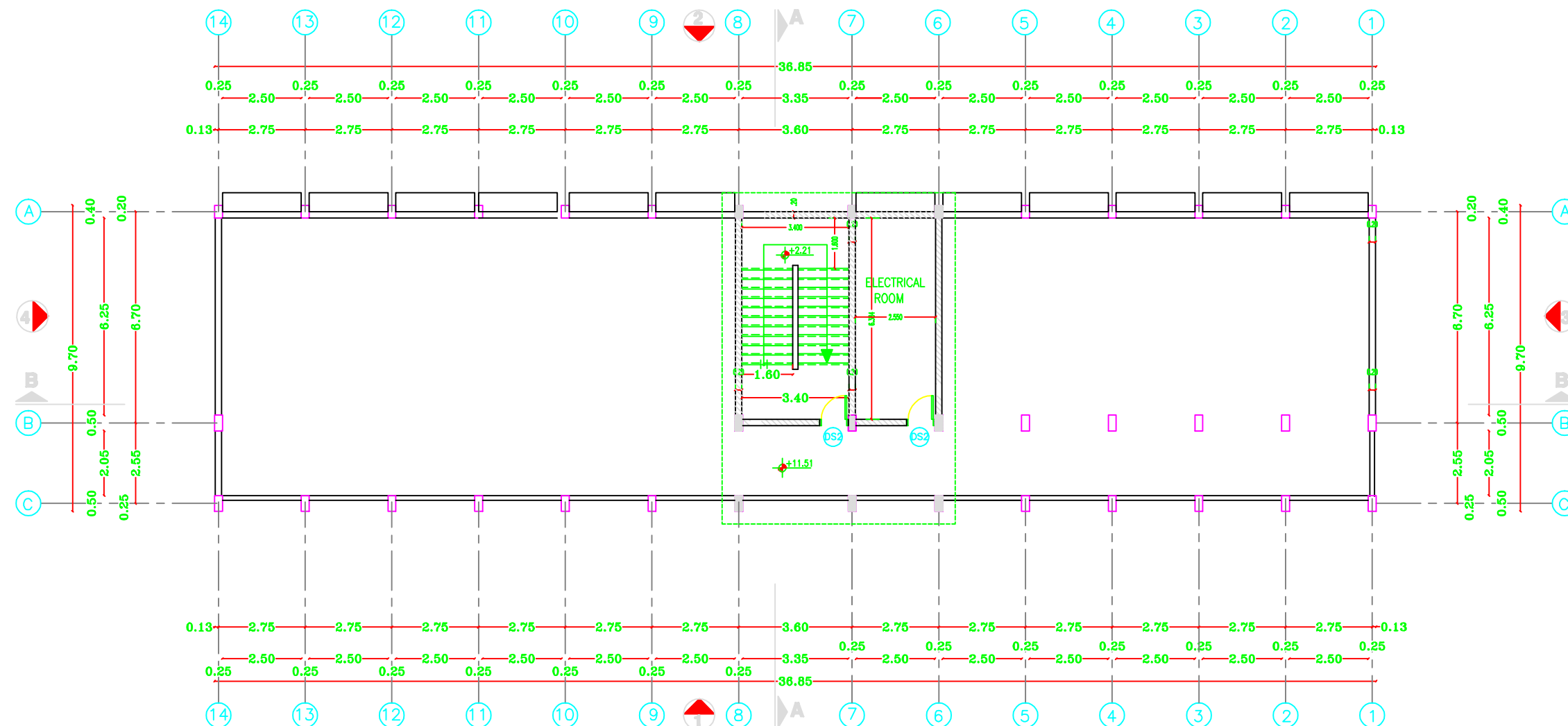
School name

Al Karmel Secondary Boys Schools

Drawing name

ROOF FLOOR PLAN

Scale	Drawing No.
1:100	A 03



ROOF FLOOR PLAN

NOTES:

- PE1 = PLASTER & EMULSION PAINT (CEILING)
- WP1 = PLASTER & EMULSION PAINT (WALLS)
- P1 = TERRAZO TILE SIZE 30X30X2.5CM MARBLE
- SK1 = TERRAZO SKIRTING 1X7CM HIGH
- WP2 = CERAMIC WALL TILES UP TO LINTEL LEVEL & PLASTER AND EMULSION PAINT (WALLS)
- P2 = NON-SLIP CERAMIC FLOOR TILES
- FFL(+0.00) IS THE FINISHED FLOOR LEVEL INDICATED IN THE SITE LAYOUT DRAWING.
- C1-ROUGH CONCRETE FINISH



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Project Name

RIGHT TO EDUCATION

School name

Al Karmel Secondary Boys School

Drawing name

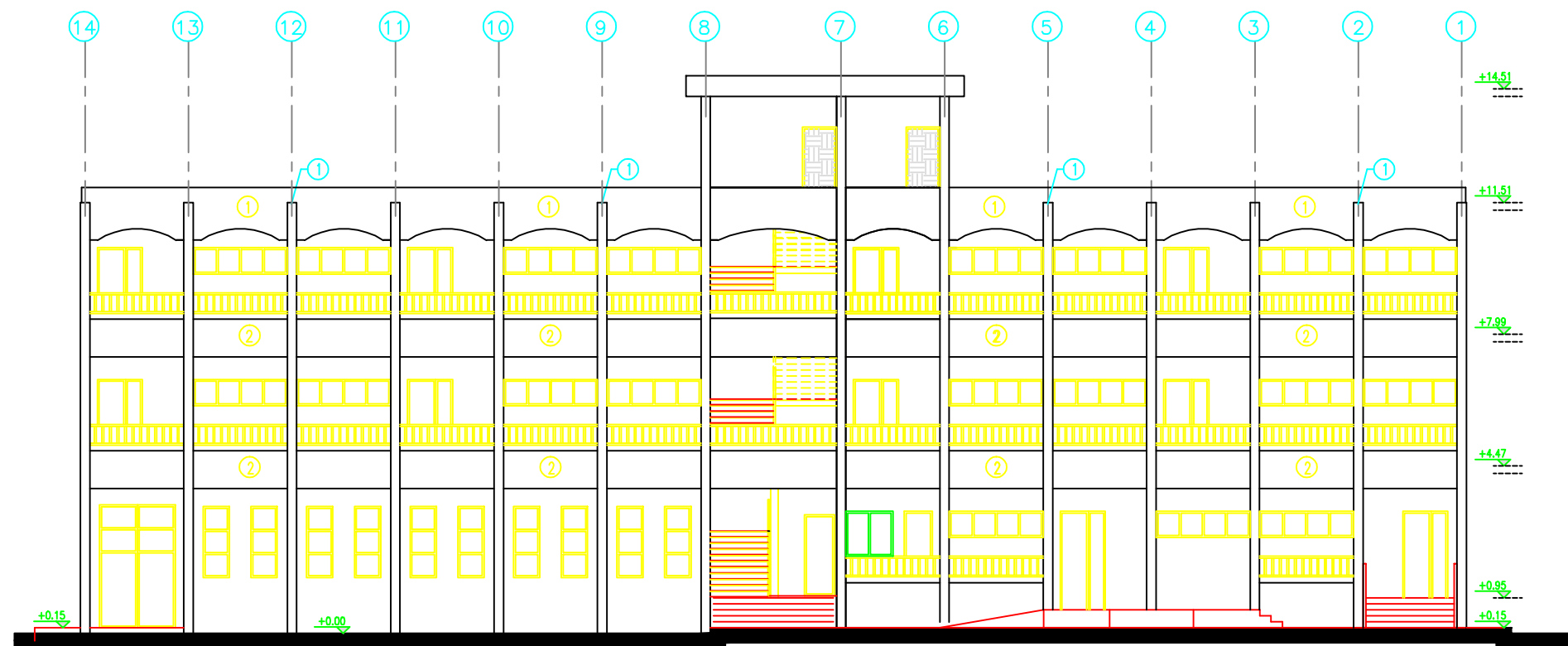
ROOF FLOOR PLAN

Scale

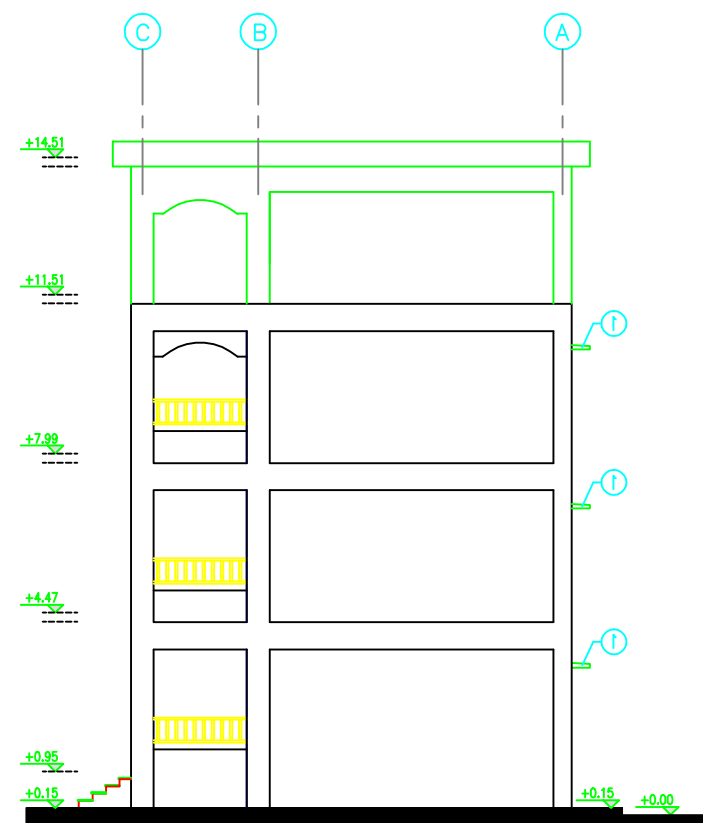
Drawing No.

Title

A 04



ELEVATION 1



ELEVATION 3

NOTES:

- PE1 = PLASTER & EMULSION PAINT (CEILING)
- WP1 = PLASTER & EMULSION PAINT (WALLS)
- P1 = TERRAZO TILE SIZE 30X30X2.5CM MARBLE
- SK1 = TERRAZO SKIRTING 1X7CM HIGH
- WP2 = CERAMIC WALL TILES UP TO LINTEL LEVEL & PLASTER AND EMULSION PAINT (WALLS)
- P2 = NONNE SLIP CERAMIC FLOOR TILES
- FFL(+0.00) IS THE FINISHED FLOOR LEVEL INDICATED IN THE SITE LAYOUT DRAWING.
- C1-ROUGH CONCRETE FINISH

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Project Name

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School name

Al Karmel Secondary Boys Schools

Drawing name

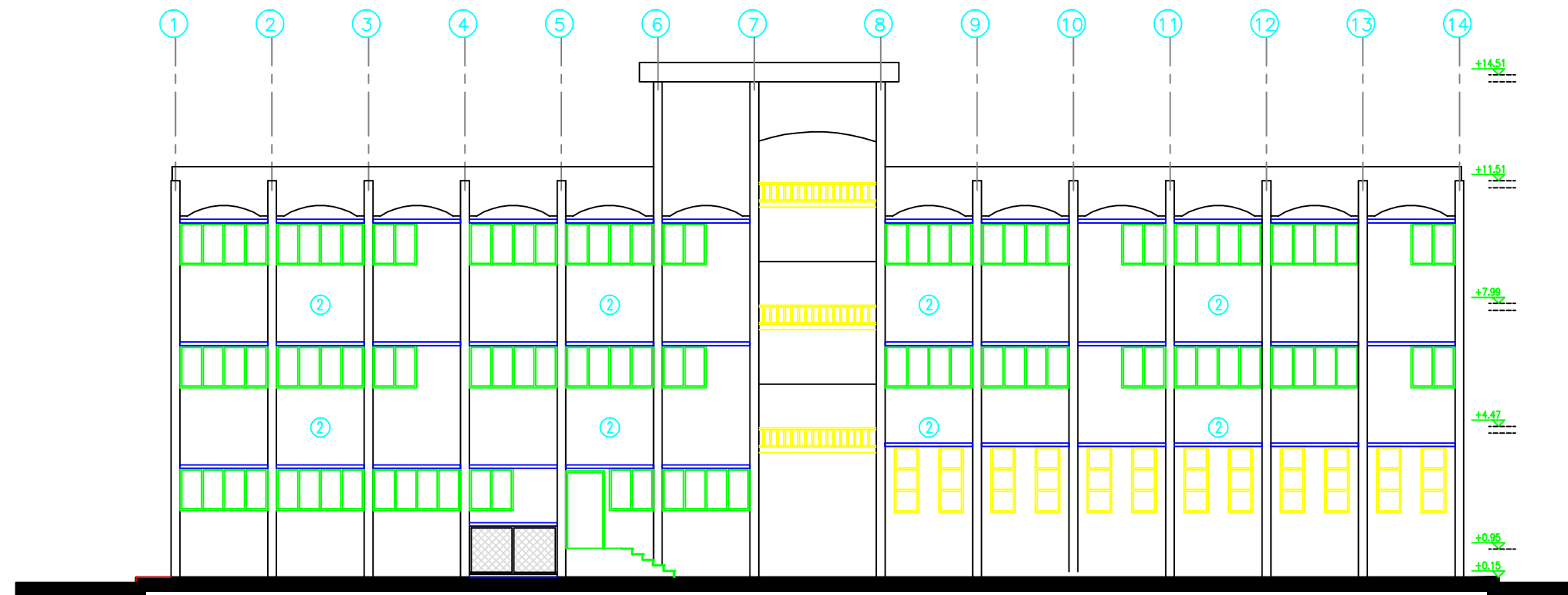
ELEVATIONS 1 & 4

Scale

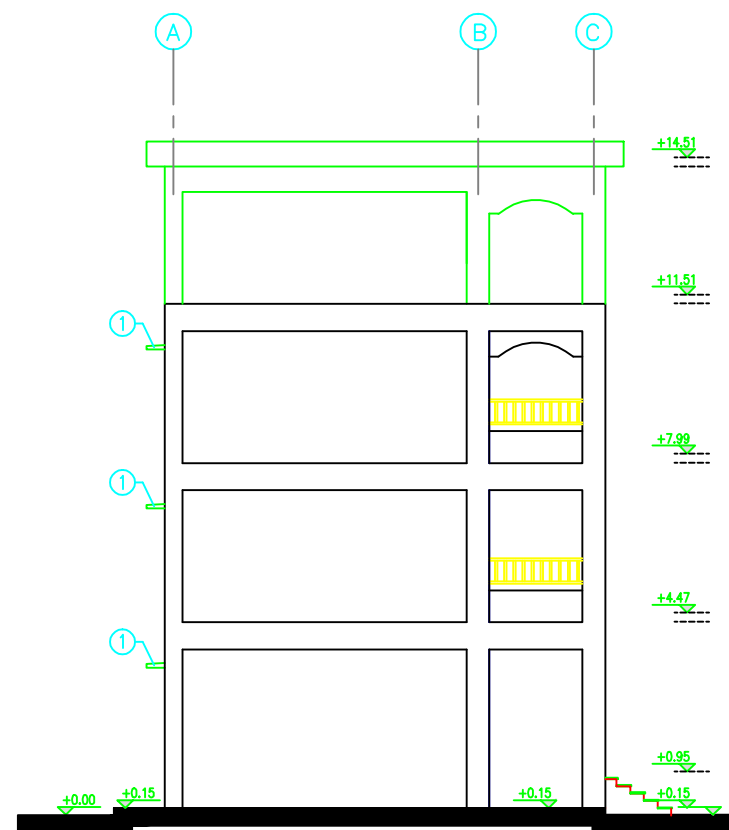
Drawing No.

Title

A 05



ELEVATION 2



ELEVATION 4

NOTES:

- PE1 = PLASTER & EMULSION PAINT (CEILING)
- WP1 = PLASTER & EMULSION PAINT (WALLS)
- P1 = TERRAZO TILE SIZE 30X30X2.5CM MARBLE CHIPS
- SK1 = TERRAZO SKIRTING 1X7CM HIGH
- WP2 = CERAMIC WALL TILES UP TO LINTEL LEVEL & PLASTER AND EMULSION PAINT (WALLS)
- P2 = NONNE SLIP CERAMIC FLOOR TILES
- FFL(+0.00) IS THE FINISHED FLOOR LEVEL INDICATED IN THE SITE LAYOUT DRAWING.
- C1-ROUGH CONCRETE FINISH

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School name

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Drawing name

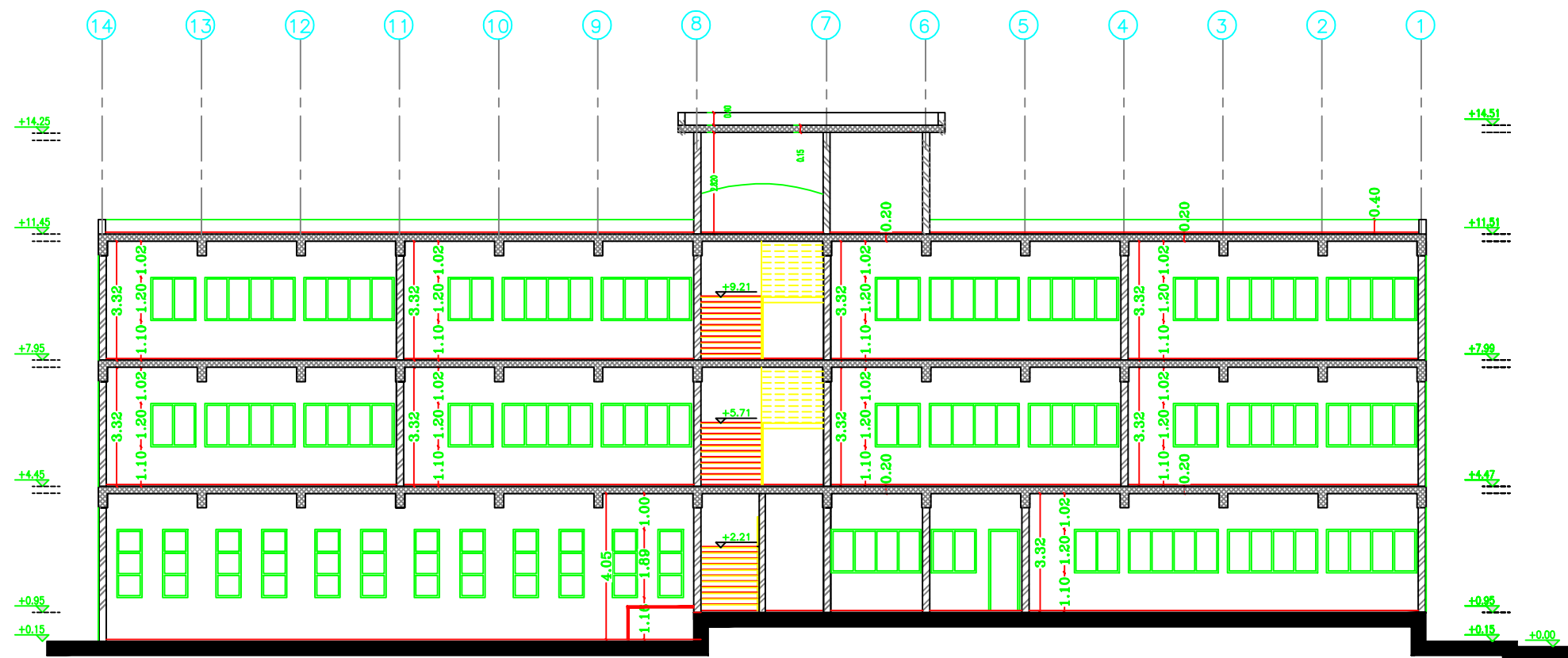
ELEVATIONS 2 & 3

Scale

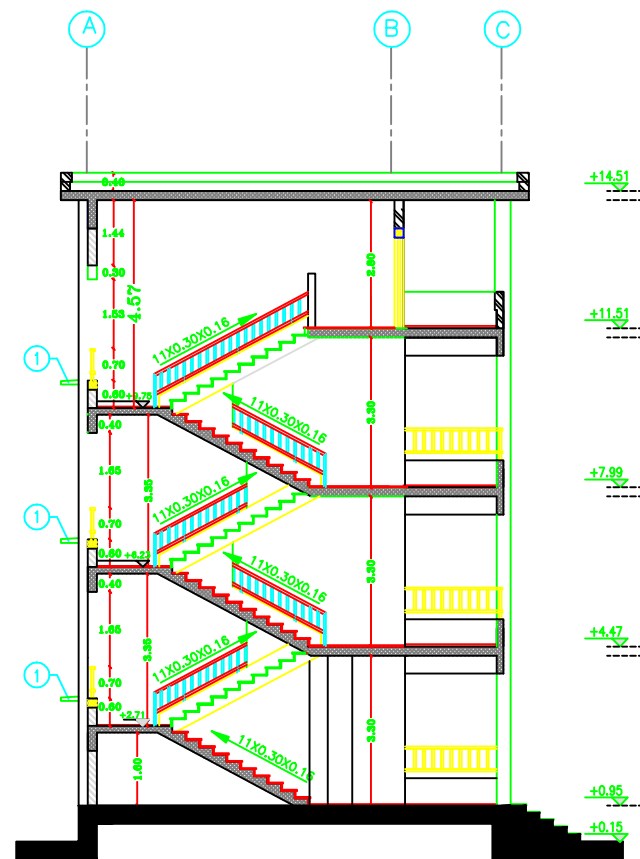
Drawing No.

Title

A 06



SECTION B - B



SECTION A - A

NOTES:

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Project Name

RIGHT TO EDUCATION

School name

Al Karmel Secondary Boys Schools

Drawing name

SECTIONS (A - A) & (B - B)

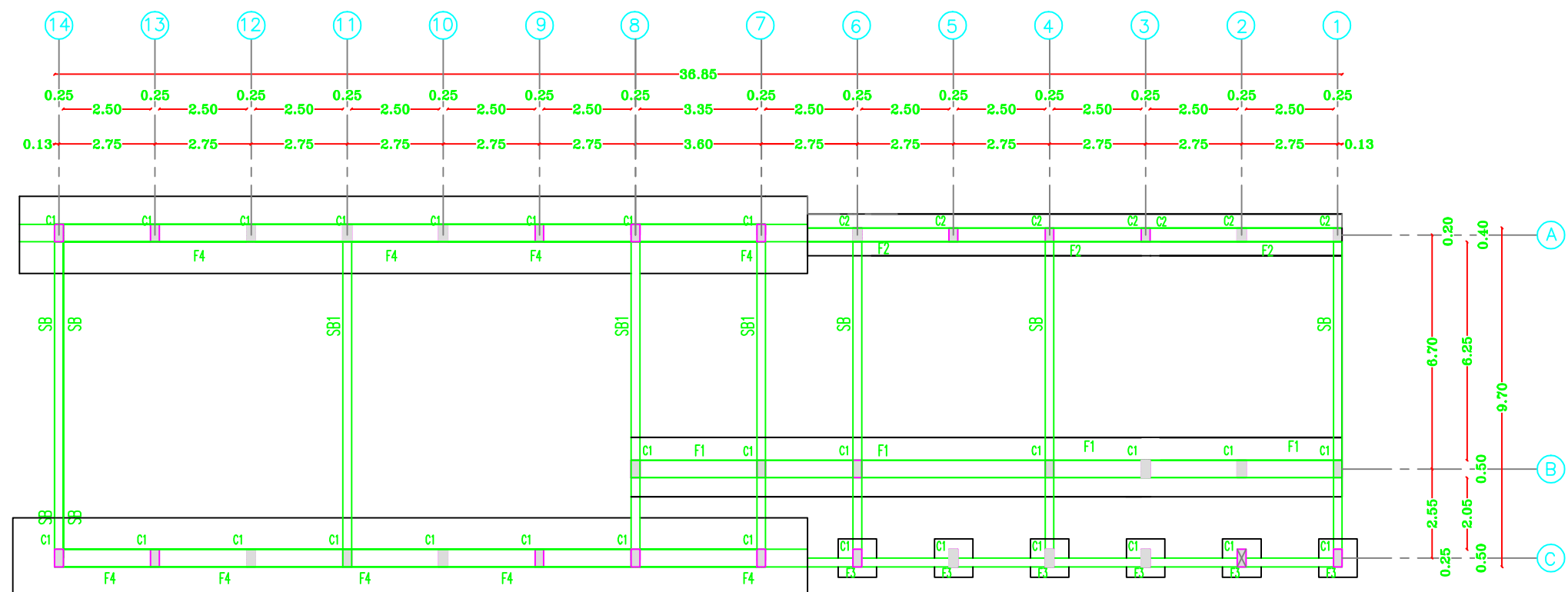
Scale

Drawing No.

Title

A 07

Structural Drawings



NOTES:

NOTES:

- DESIGN BEARING CAPACITY IS 1.75 KG/CM2
- THE CONTRACTOR HAS TO CONDUCT SOIL INVESTIGATION TO ENSURE THIS ASSUMPTION .
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- ALL CONOCRETE IN CONTACT WITH SOIL SHOULD CONTAIN TYPE SULFATE RESISTANT CEMENT.
- CONCRETE COVER FOR FOUNDATION = 5CM THICK
- CONCRETE COVER FOR INTERNAL WORK = 2.5CM
- CONCRETE COVER FOR EXTERNAL WORK = 3.5CM
- ALL THE CONCRETE UP THE PLINTH LEVEL MUST BE COATED WITH TWO COATS OF HOT BETUMIN.
- READY MIX CONCRETE MUST BE APPROVED BY THE ENGINEER.
- BACKFILLING MUST BE CARRIED OUT IN LAYERS 25CM THICK EACH LAYER (WATERED AND COMPACTD)
- N.G.L WILL BE FIXED BY THE ENGINEER
- CONCRETE CUBE CRUSHING STRENGTH AFTER 28 DAYS
 - B = 25N/MM2 , FOR BEAMS & SLABS
 - B = 30N/MM2 , FOR COLUMNS
- RIBBED HIGH YIELD STEEL FY=410N/MM2
- MILD YIELD STEEL FY=250N/MM2
- FOUNDATION WAS DESIGNED TO HAVE GROUND FLOOR, FIRST , SECOND & THIRD FLOORS ONLY.
- STANDERD RADII OF BENDS AND HOOKS AS GIVEN BELOW TO BE USED UNLESS SPECIFICALLY SHOWN OTHERWISE



BAR SIZE	GRADE 250 (TYPE AND GRADE R)	GRADE 410 (TYPE AND GRADE L)
	R	R
6	12	18
8	16	24
10	20	30
12	24	36
14	28	42
16	32	48
18	36	54
20	40	60
25	50	100



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Drawing name

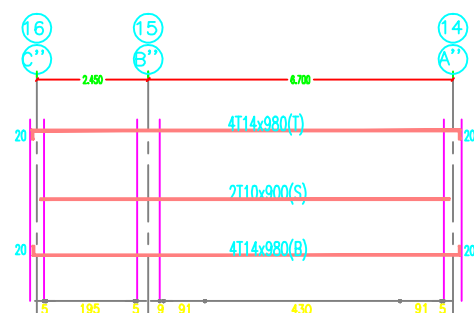
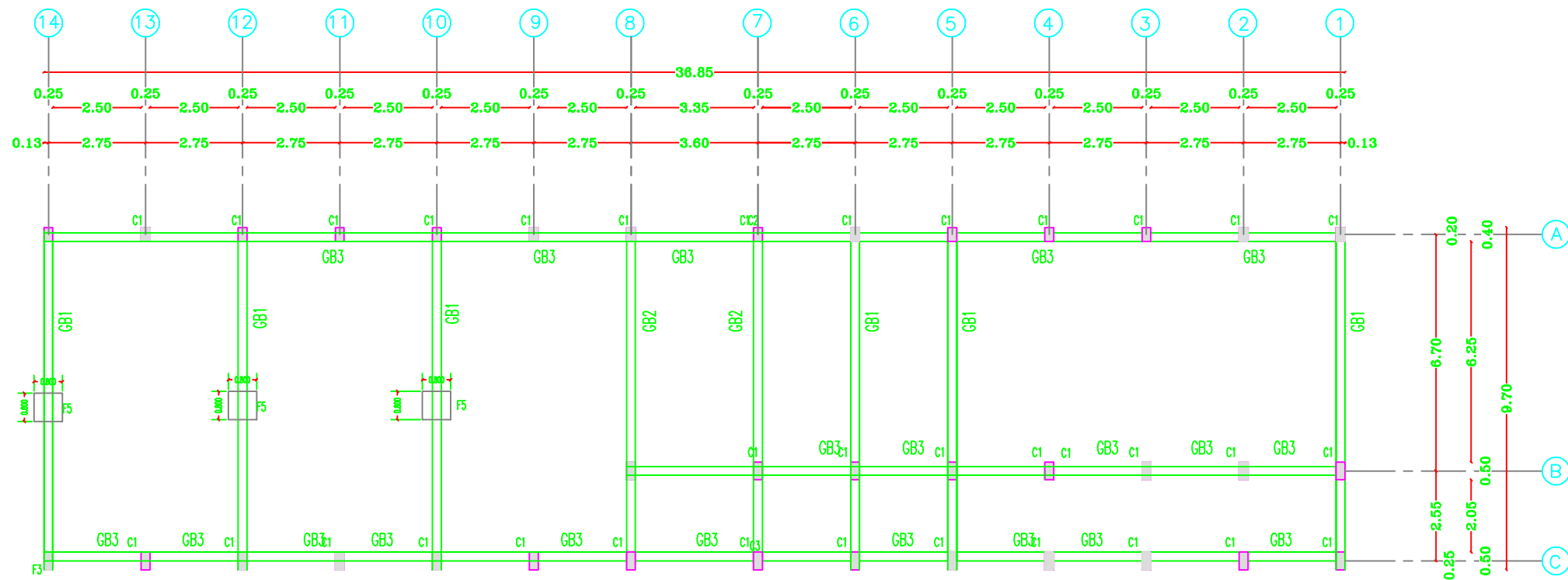
FOUNDATION PLAN

Scale

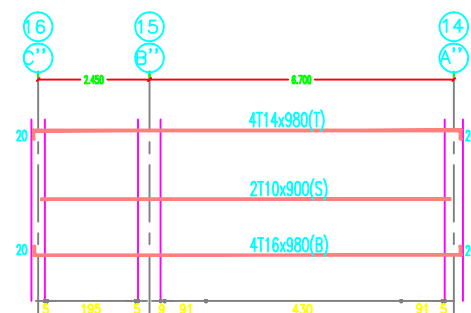
Drawing No.

Title

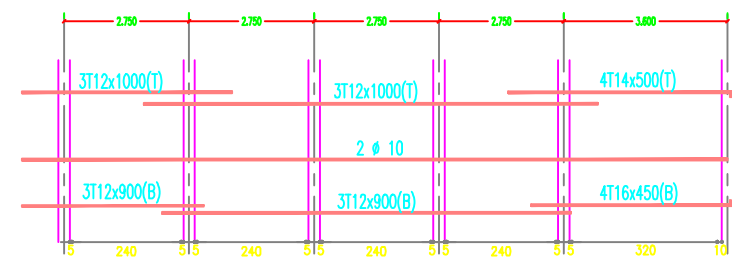
St. 01



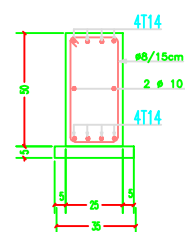
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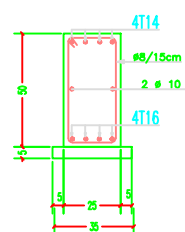
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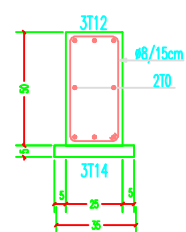
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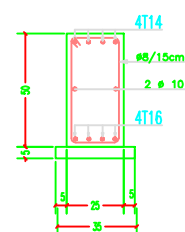
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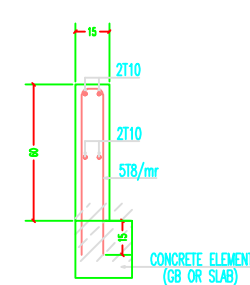
GB2



GB3



GB4



WALL PARAPET AT CORRIDORS & ROOF

NOTES:

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Project Name

RIGHT TO EDUCATION

School name

Al Karmel Secondary Boys Schools

Drawing name

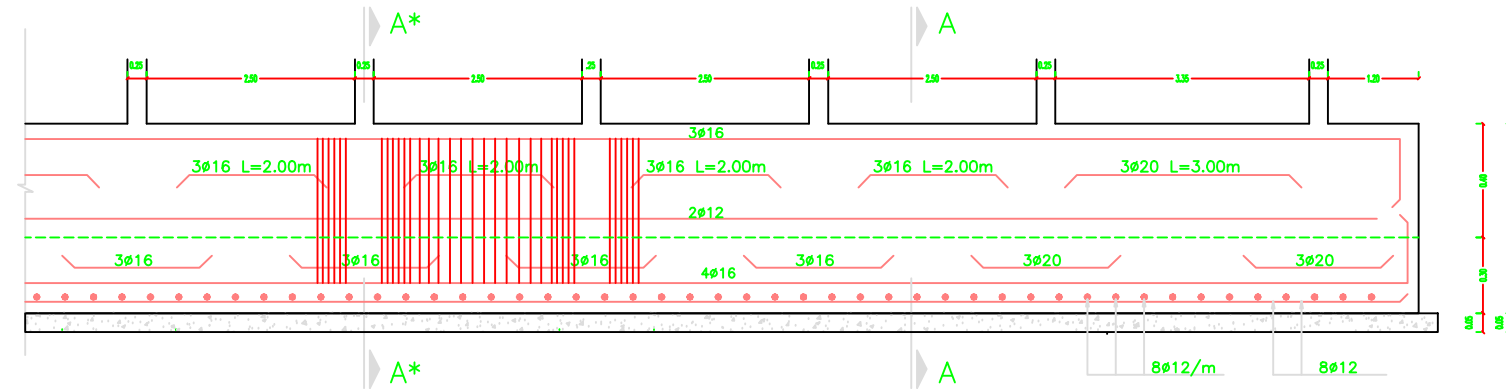
GROUND BEAMS

Scale

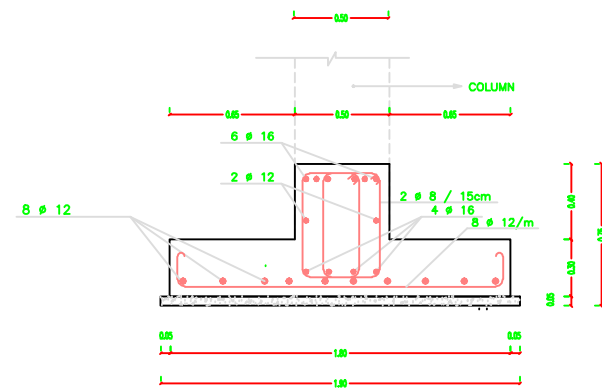
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Title

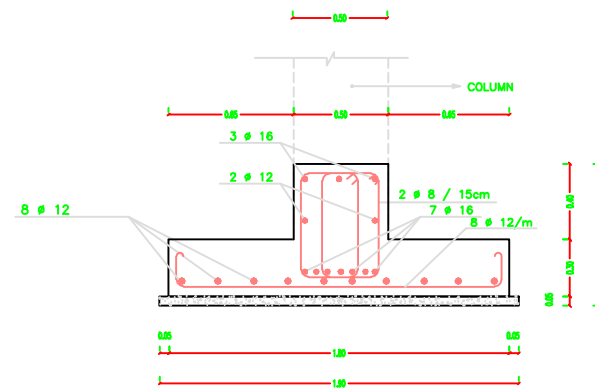
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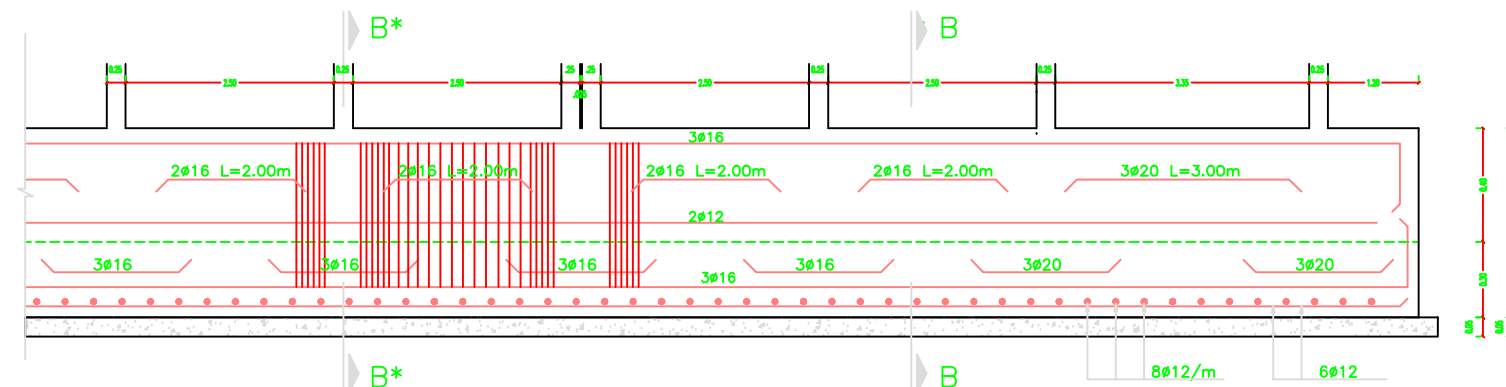
REINFORCEMENT DETAILS FOR F1 (1.80x0.30x0.40){DET.2}



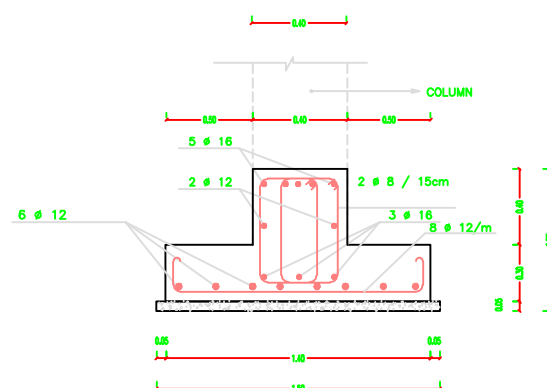
SECTION A - A (F1)
SCALE 1 : 20



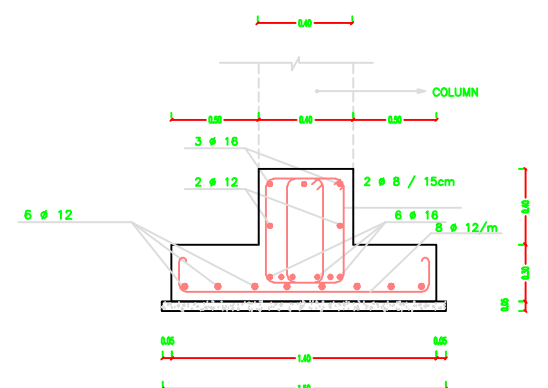
SECTION A* - A* (F1)
SCALE 1 : 20



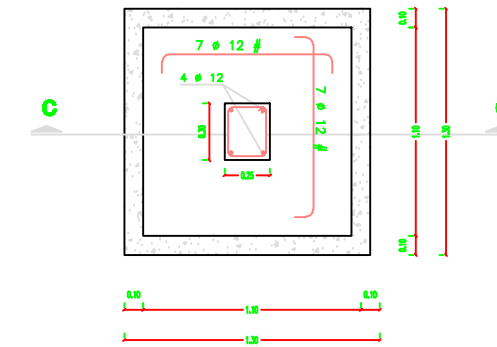
REINFORCEMENT DETAILS FOR F2 (1.40x0.30x0.40){DET.3}



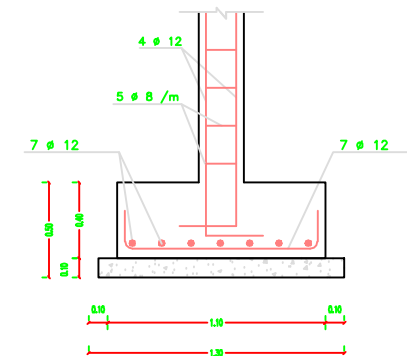
SECTION B - B (F2)



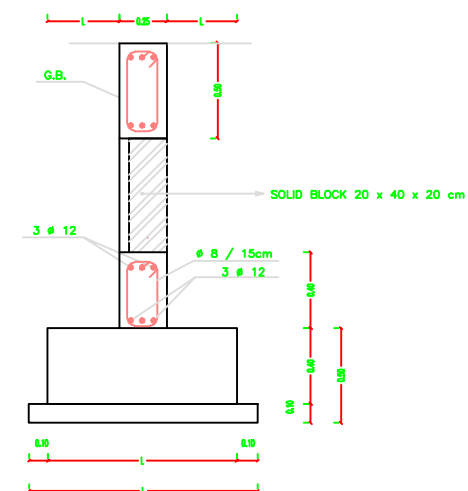
SECTION B* - B* (F2)



F3 - C3



SECTION C - C (F3)



SECTION D - D

NOTES:

- DESIGN BEARING CAPACITY IS 1.75 KG/CM2. THE CONTRACTOR HAS TO CONDUCT SOIL INVESTIGATION TO ENSURE THIS ASSUMPTION.
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- CONCRETE COVER FOR INTERNAL WORK = 2.5CM.
- CONCRETE COVER FOR EXTERNAL WORK = 3.5CM.
- ALL THE CONCRETE UP TO THE PLINTH LEVEL MUST BE COATED WITH TWO COATS OF HOT BITUMEN.
- READY MIX CONCRETE MUST BE APPROVED BY THE ENGINEER.
- BACKFILLING MUST BE CARRIED OUT IN LAYERS 25CM THICK EACH LAYER (WATERED AND COMPACTED).
- N.G.L WILL BE FIXED BY THE ENGINEER.
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- B = 25N/MM2 , FOR BEAMS & SLABS
- B = 30N/MM2 , FOR COLUMNS
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- STANDARD RADI OF BENDS AND HOOKS AS GIVEN BELOW TO BE USED UNLESS SPECIFICALLY SHOWN OTHERWISE



BAR SIZE	GRADE 250 (TYPE AND GRADE R)	GRADE 410 (TYPE AND GRADE L)
D	R	R
6	12	18
8	16	24
10	20	30
12	24	36
14	28	42
16	32	48
18	36	54
20	40	60
25	50	100



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Programme of Assistance the Palestinian People

Project Name

RIGHT TO EDUCATION

School name

Al Karmel Secondary Boys Schools

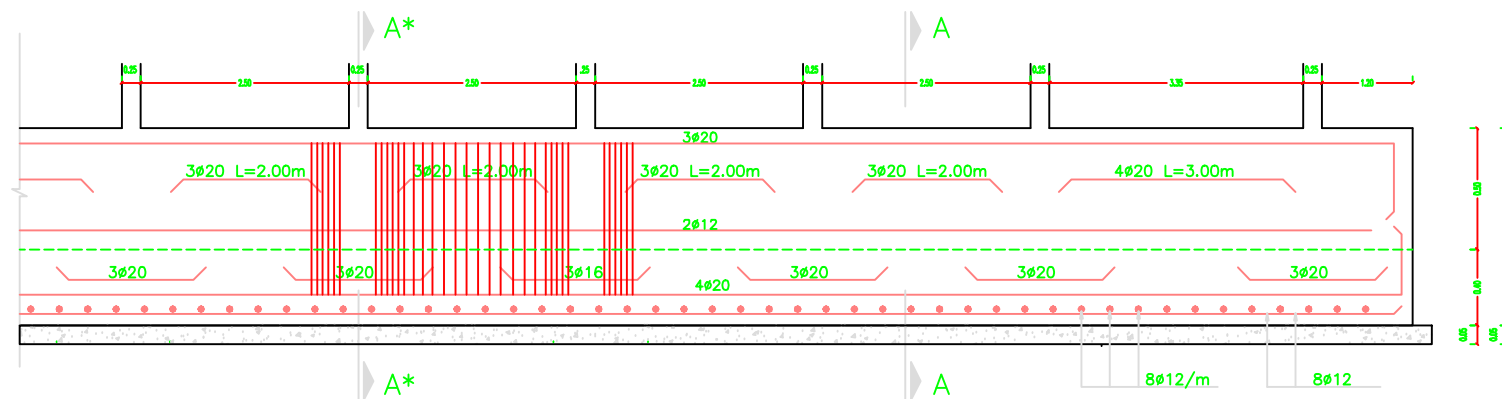
Drawing name

FOUNDATIONS DETAILS - 1

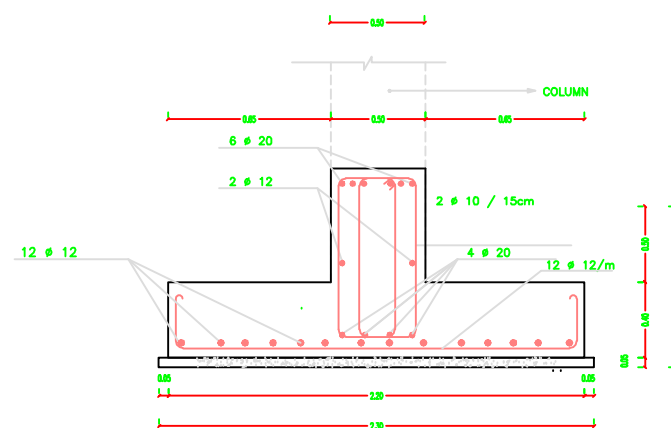
Scale

Drawing No.

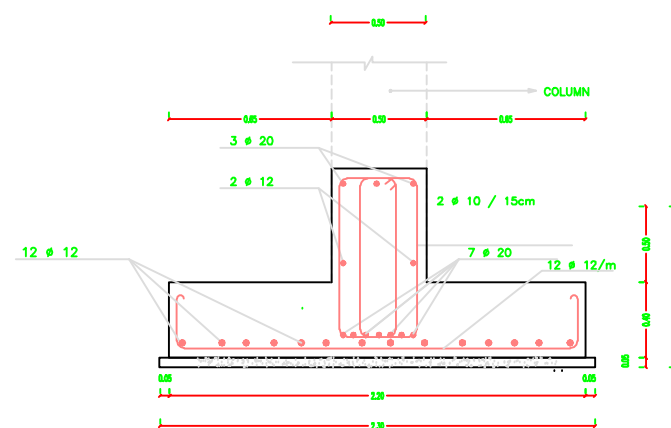
St. 03



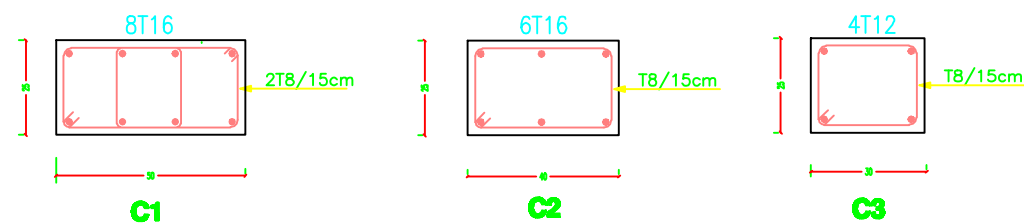
REINFORCEMENT DETAILS FOR F4 (2.20x0.40x0.50){DET.2}



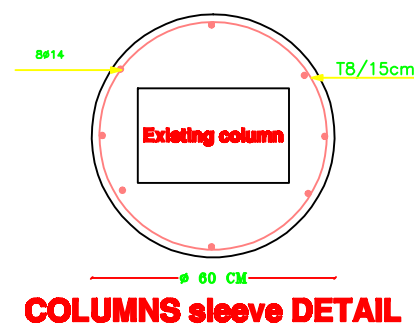
SECTION A - A (F4)



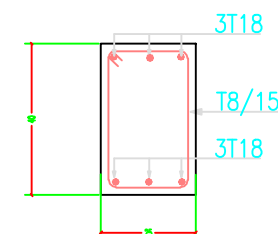
SECTION A* - A* (F4)



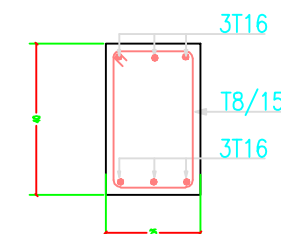
COLUMNS DETAIL



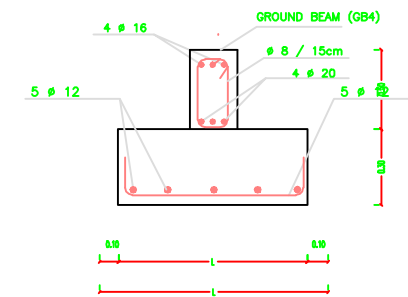
COLUMNS sleeve DETAIL



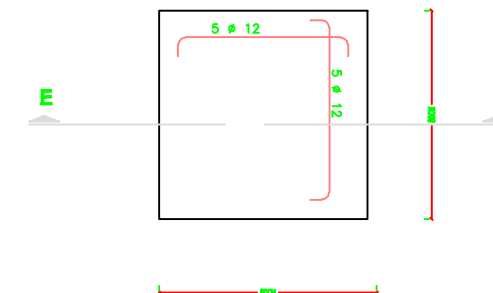
STRAB BEAM SB1 DETAIL



STRAB BEAM SB DETAIL



SECTION E - E



F5

NOTES:

NOTES:

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- READY MIX CONCRETE MUST BE APPROVED BY THE ENGINEER.
- BACKFILLING MUST BE CARRIED OUT IN LAYERS 25CM THICK EACH LAYER (WATERED AND COMPACTED)
- N.G.L WILL BE FIXED BY THE ENGINEER
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- B = 25N/MM2, FOR BEAMS & SLABS
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- RIBBED HIGH YIELD STEEL FY=410N/MM2
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BAR SIZE	GRADE 250 (TYPE AND GRADE R)	GRADE 410 (TYPE AND GRADE L)
D	R	R
6	12	18
8	16	24
10	20	30
12	24	36
14	28	42
16	32	48
18	36	54
20	40	60
25	50	100



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Project Name

RIGHT TO EDUCATION

School name

Al Karmel Secondary Boys Schools

Drawing name

FOUNDATIONS DETAILS - 2

Scale

Drawing No.

Title

St. 04

TYPE	NECK COLUMNS	GROUND FLOOR COLUMNS	FIRST FLOOR COLUMNS	SECOND FLOOR COLUMNS
C1				
C2				
C3				

NOTES:

NOTES:

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- EXCAVATION LEVEL SHOULD BE NOT LESS THAN (-1.50) FROM N.G.L.
- ALL CONCRETE IN CONTACT WITH SOIL SHOULD CONTAIN TYPE SULFATE RESISTANT CEMENT.
- CONCRETE COVER FOR FOUNDATION = 5CM THICK
- CONCRETE COVER FOR INTERNAL WORK = 2.5CM
- CONCRETE COVER FOR EXTERNAL WORK = 3.5CM
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- READY MIX CONCRETE MUST BE APPROVED BY THE ENGINEER.
- BACKFILLING MUST BE CARRIED OUT IN LAYERS 25CM THICK EACH LAYER (WATERED AND COMPACTED)
- N.G.L WILL BE FIXED BY THE ENGINEER
- CONCRETE CUBE CRUSHING STRENGTH AFTER 28 DAYS
B = 25N/MM² , FOR BEAMS & SLABS
B = 30N/MM² , FOR COLUMNS
- RIBBED HIGH YIELD STEEL FY=410N/MM²
- MILD YIELD STEEL FY=250N/MM²
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- STANDER RADI OF BENDS AND HOOKS AS GIVEN BELOW TO BE USED UNLESS SPECIFICALLY SHOWN OTHERWISE



BAR SIZE	GRADE 250 (TYPE AND GRADE R)	GRADE 410 (TYPE AND GRADE L)
D	R	R
6	12	18
8	16	24
10	20	30
12	24	36
14	28	42
16	32	48
18	36	54
20	40	60
25	50	100



PALESTINIAN NATIONAL AUTHORITY

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EDUCATION ABOVE ALL
Al Fakhroa Programme

IMPLEMENTED BY



United Nations Development Programme
Programme of Assistance the Palestinian People

Project Name

RIGHT TO EDUCATION

School name

Al Karmel Secondary Boys Schools

Drawing name

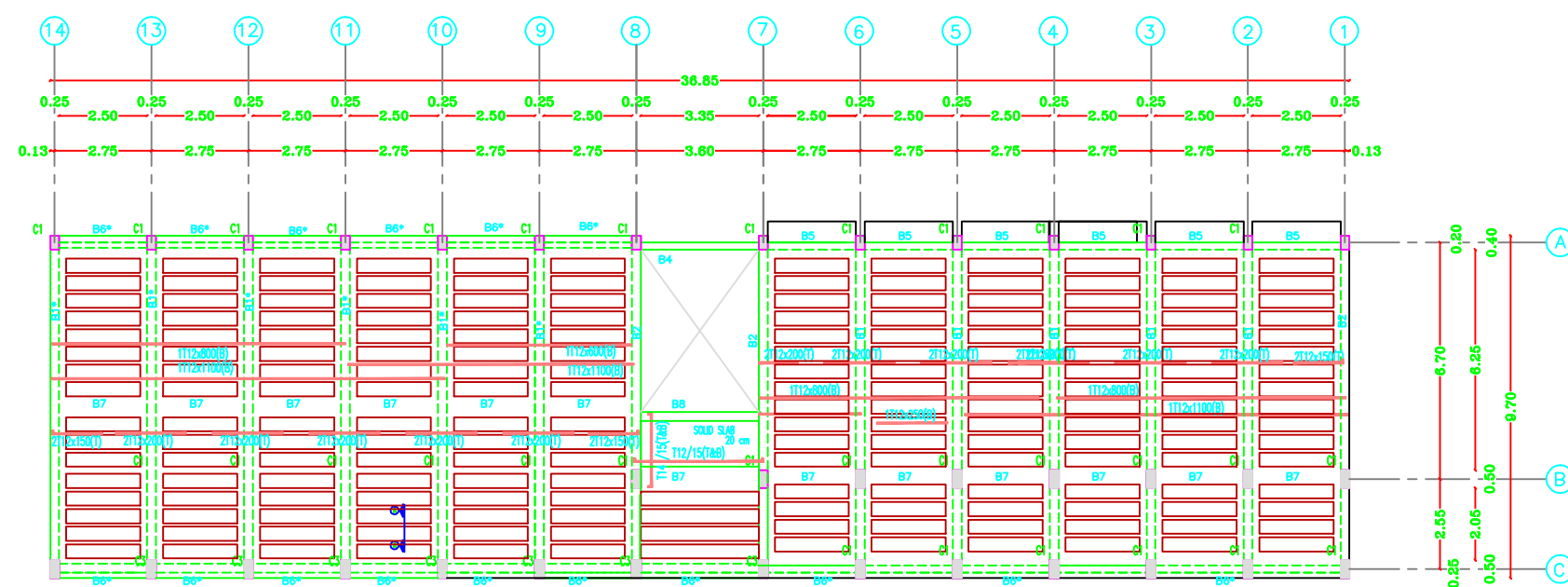
DETAILS FOR
GROUND BEAMS & COLUMNS

Scale

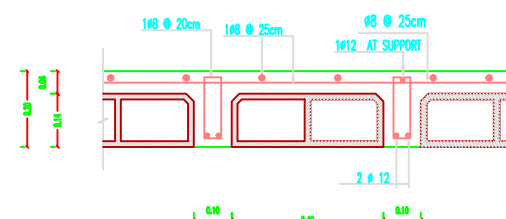
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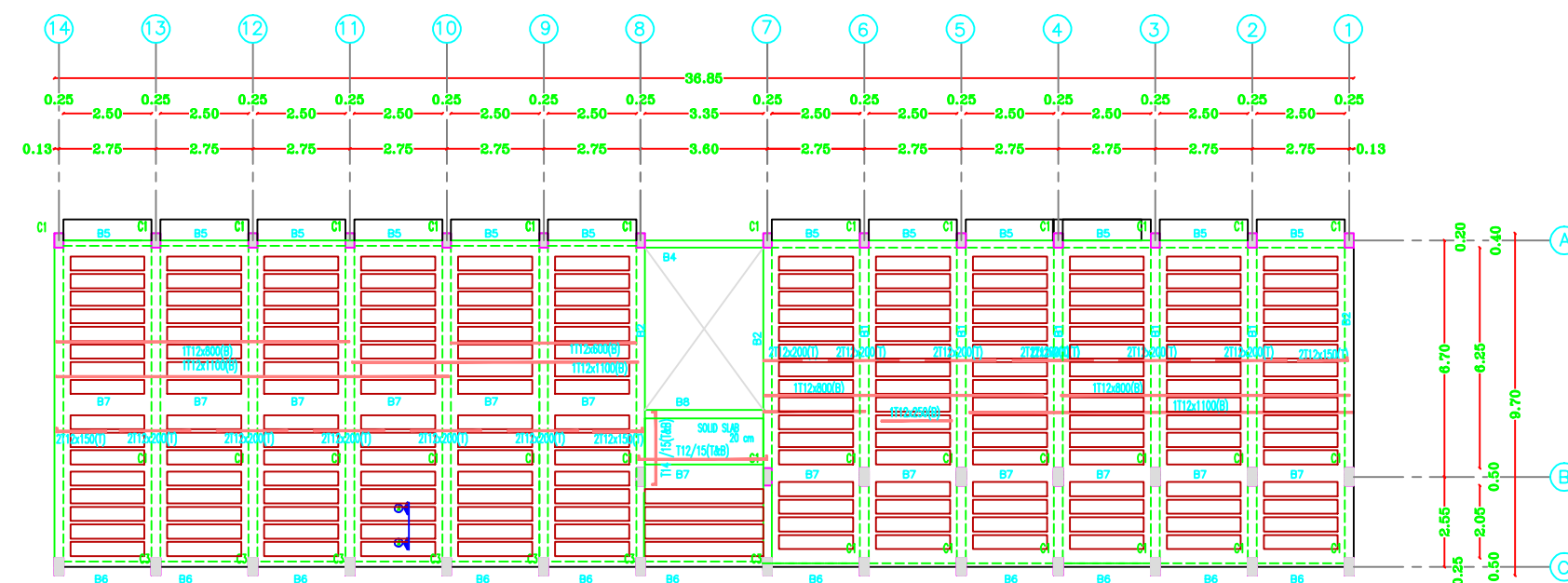
St. 05



Ground slab reinforcement



SECTION A - A



Typical slab reinforcement

NOTES:

NOTES:

- DESIGN BEARING CAPACITY IS 1.75 KG/CM2
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12	24	36
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16	32	48
18	36	54
20	40	60
25	50	100



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Al Falhoora Programme

IMPLEMENTED BY



United Nations Development Programme
Programme of Assistance the Palestinian People

Project Name

RIGHT TO EDUCATION

School name

Al Karmel Secondary Boys Schools

Drawing name

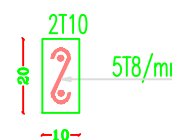
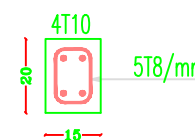
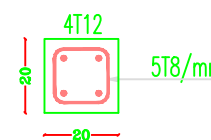
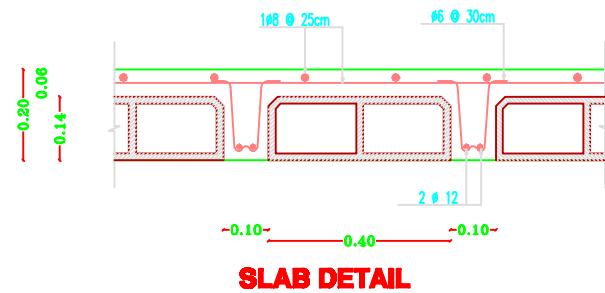
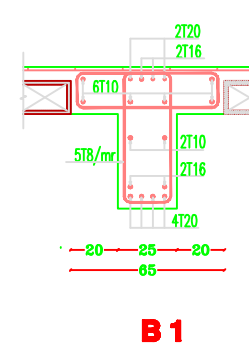
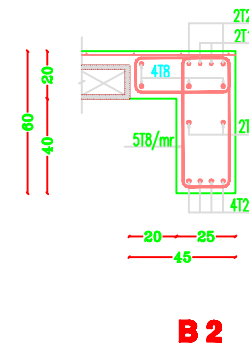
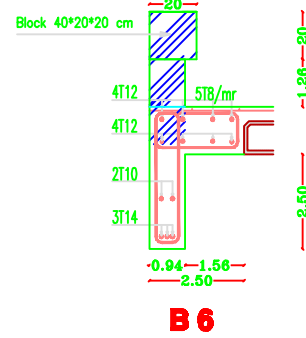
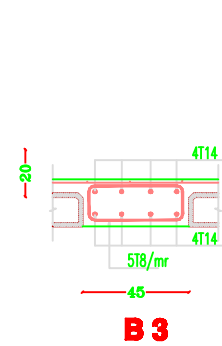
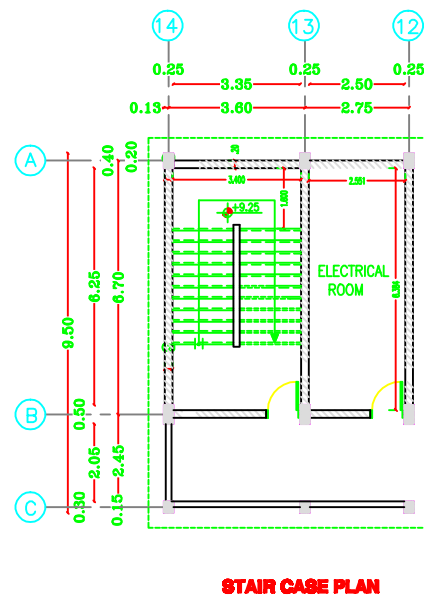
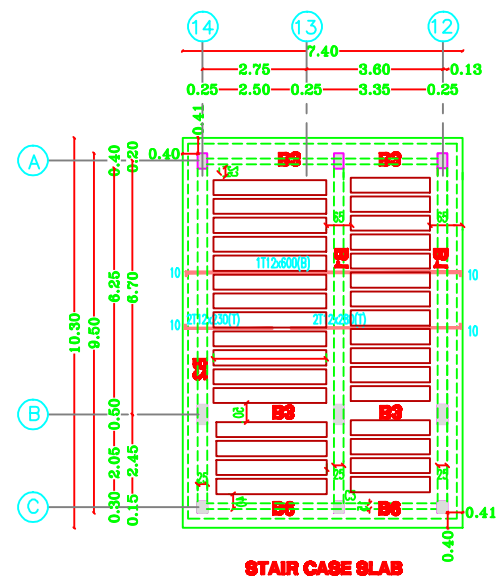
GROUND & TYPICAL SLAB

Scale

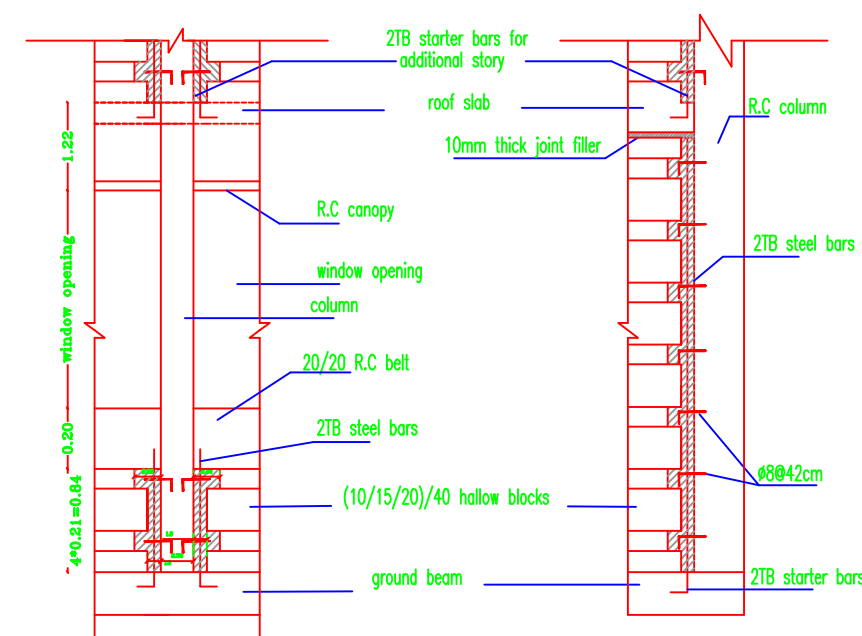
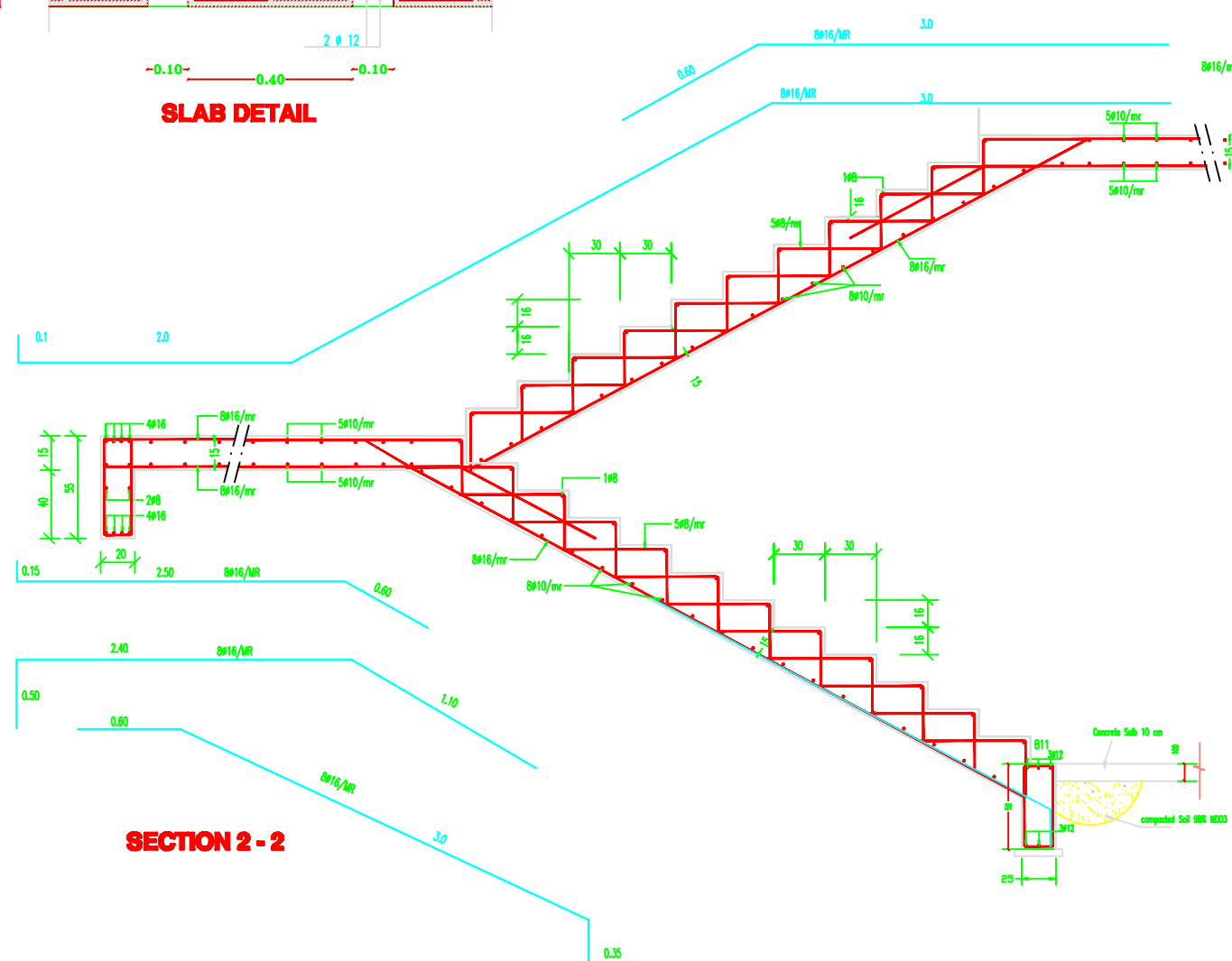
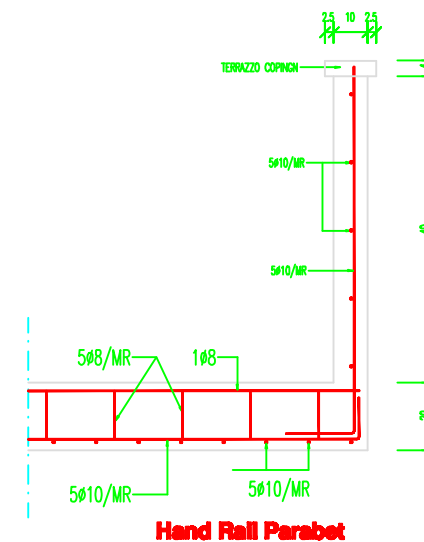
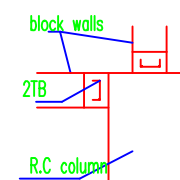
Drawing No.

Title

St. 06



LENTILS DETAIL



NOTES:

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12	24	36
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16	32	48
18	36	54
20	40	60
25	50	100



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Al Falhoora Programme

IMPLEMENTED BY



United Nations Development Programme
Programme of Assistance the Palestinian People

Project Name

RIGHT TO EDUCATION

School name

Al Karmel Secondary Boys Schools

Drawing name

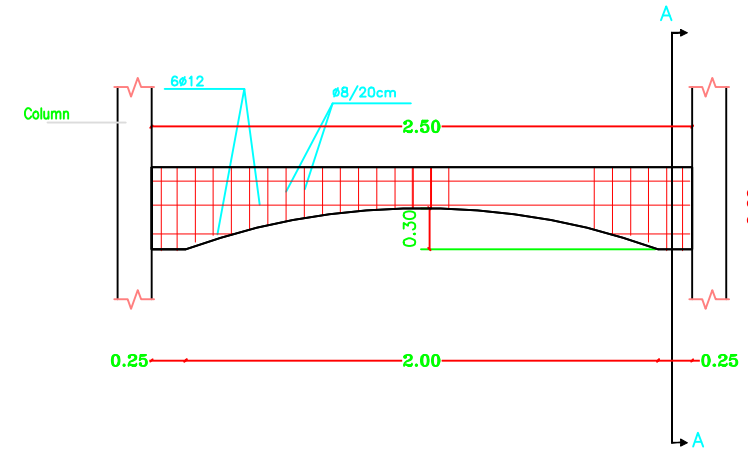
STAIR DETAILS

Scale

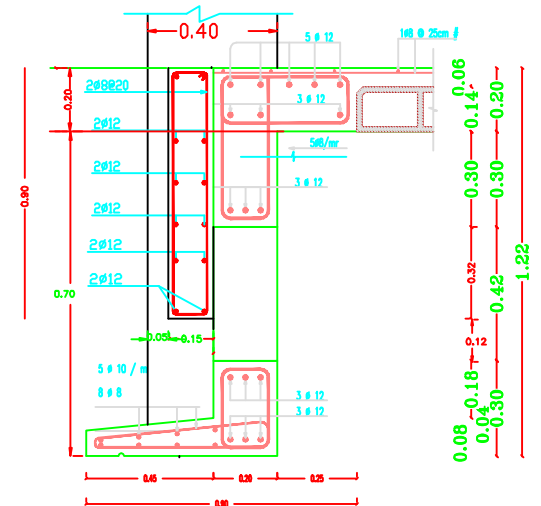
Drawing No.

St. 08

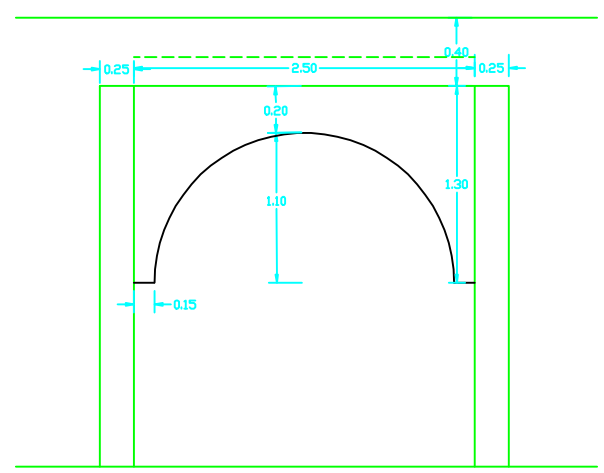
The Contractor has to submit detailed Shop Drawings of all works for approval Of the supervisor Engineer



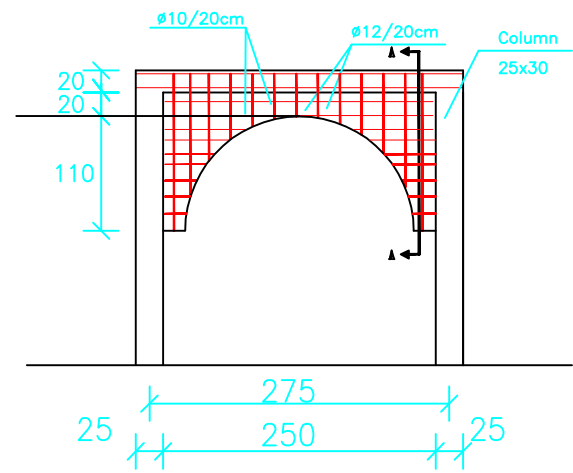
Details of Arches in Second Floor Back Elevations
SCALE 1:50



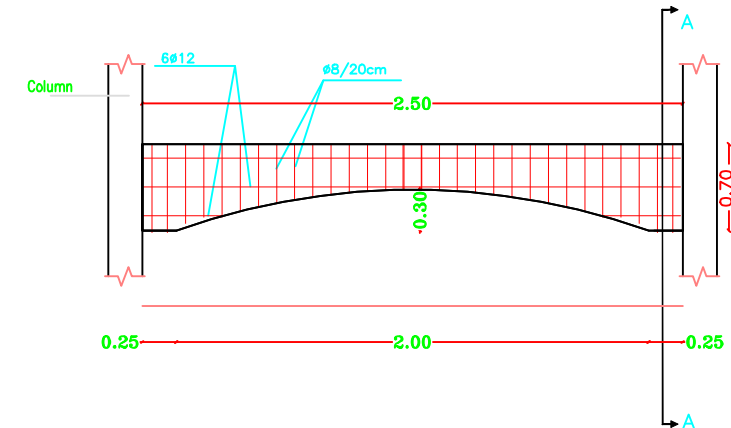
FINAL ROOF FOR BACK ELEVATION



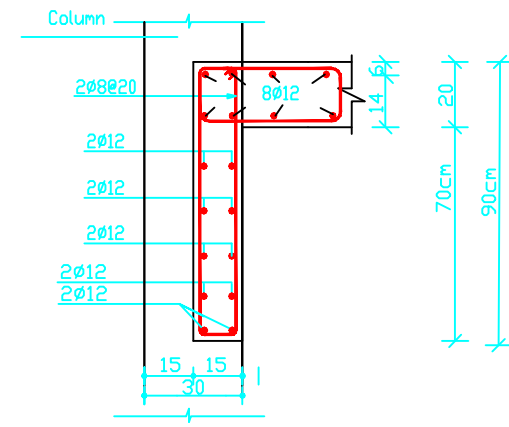
ARCH DETAILS



Details of Arches in Second Floor Front and Back Elevations

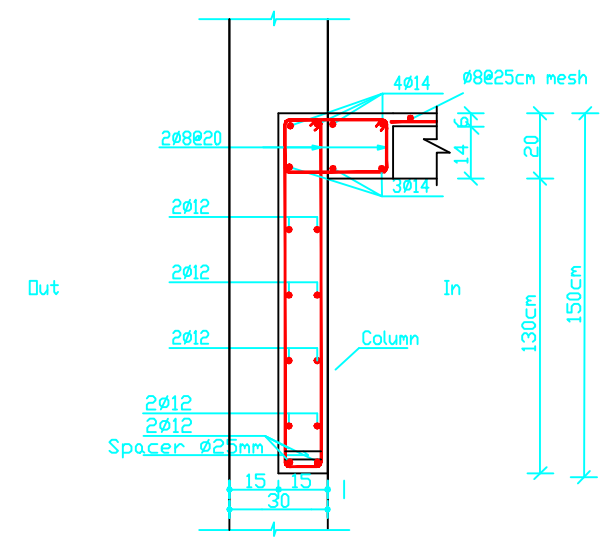


Details of Arches in Second Floor Front Elevations
SCALE 1:50



Section A-A

Details of Arches in Second Floor Front and Front Elevations



Section A-A

Details of Arches in Second Floor Front and Back Elevations

NOTES:

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10	20	30
12	24	36
14	28	42
16	32	48
18	36	54
20	40	60
25	50	100



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IMPLEMENTED BY



United Nations Development Programme
Programme of Assistance the Palestinian People

Project Name

RIGHT TO EDUCATION

School name

Al Karmel Secondary Boys Schools

Drawing name

ARCH DETAIL

Scale Drawing No.
Title St. 09

Mechanical Drawings



- | | |
|---|-------------------------|
|  | MH. 1 m |
|  | MH. 0.80 m |
|  | MH. 0.60 m |
|  | UPVC Sewer Line Ø8" |
|  | UPVC Sewer Line Ø6" |
|  | MDPE Water Ø63 mm |
|  | G. Steel Water Pipe Ø1" |



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Al Falchoora Programme

IMPLEMENTED BY

**United Nations Development Programme
Programme of Assistance to the Palestinian People**

Project Name

RIGHT TO EDUCATION

School name

Al Karmel Secondary Boys Schools

Drawing name

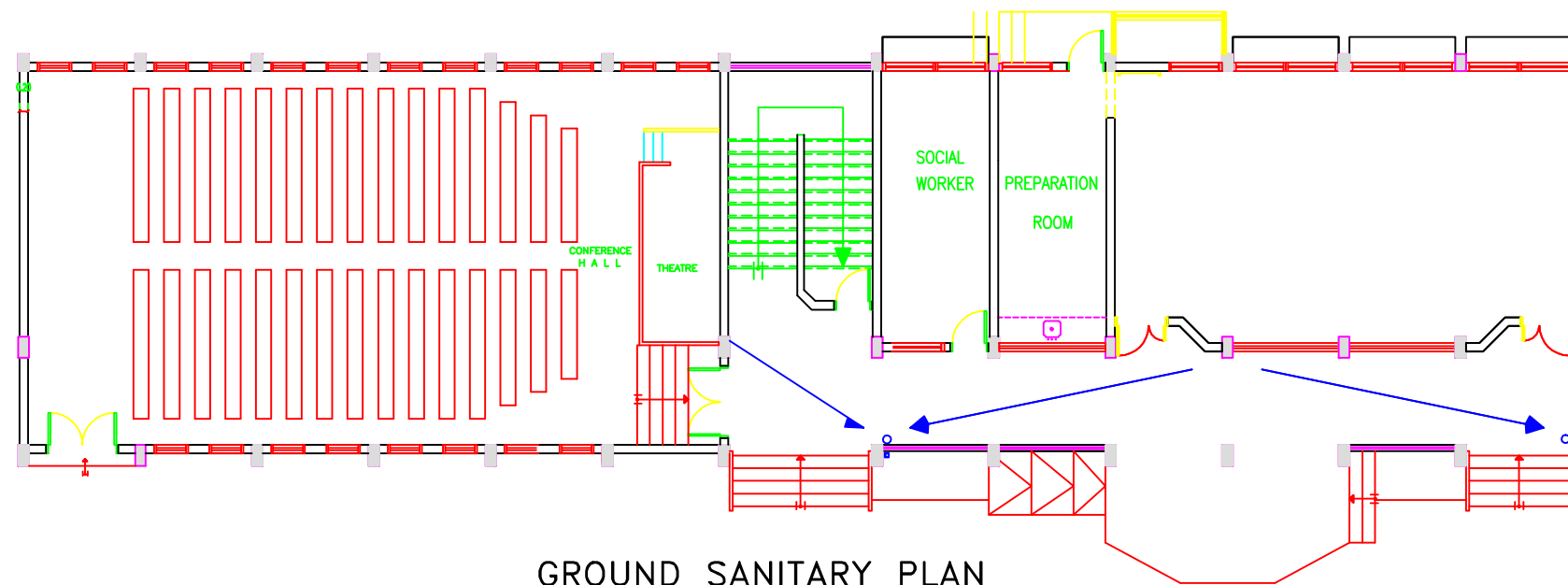
SANITARY & WATER SITE PALN

Scale

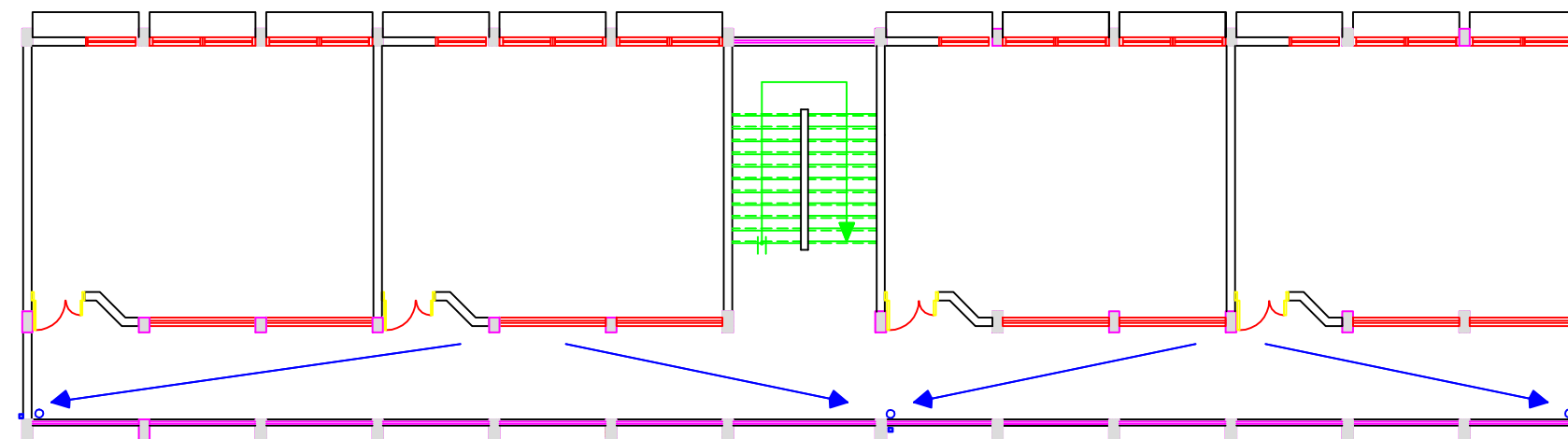
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Drawing No.

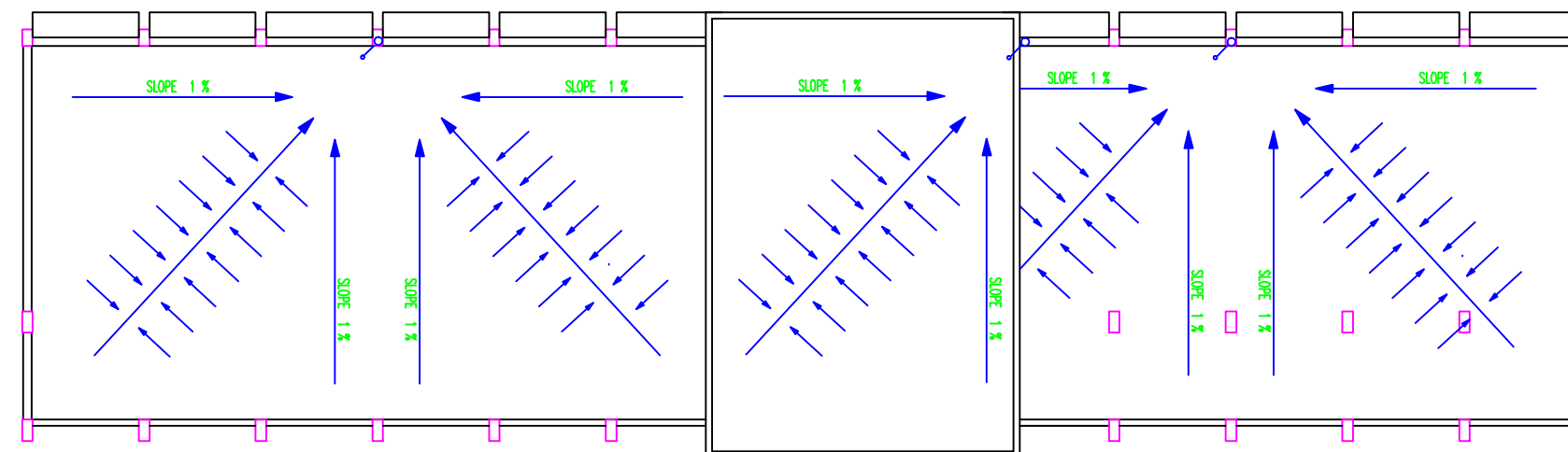
M 01



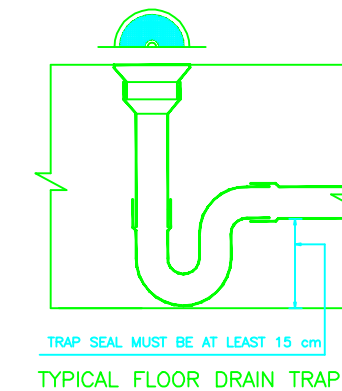
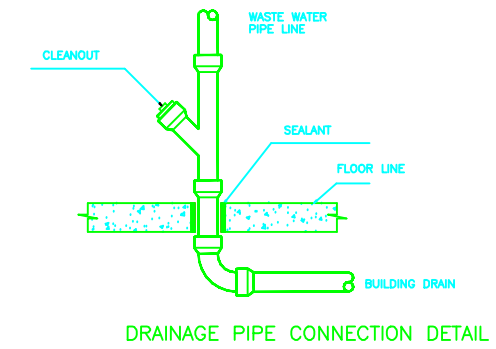
GROUND SANITARY PLAN



FIRST & SECOND FLOOR SANITARY PLAN



ROOF FLOOR SANITARY PLAN



NOTES:

FOR TENDER ONLY



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Al Fakhroa Programme

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United Nations Development Programme
Programme of Assistance to the Palestinian People

Project Name

RIGHT TO EDUCATION

School name

Al Karmel Secondary Boys Schools

Drawing name

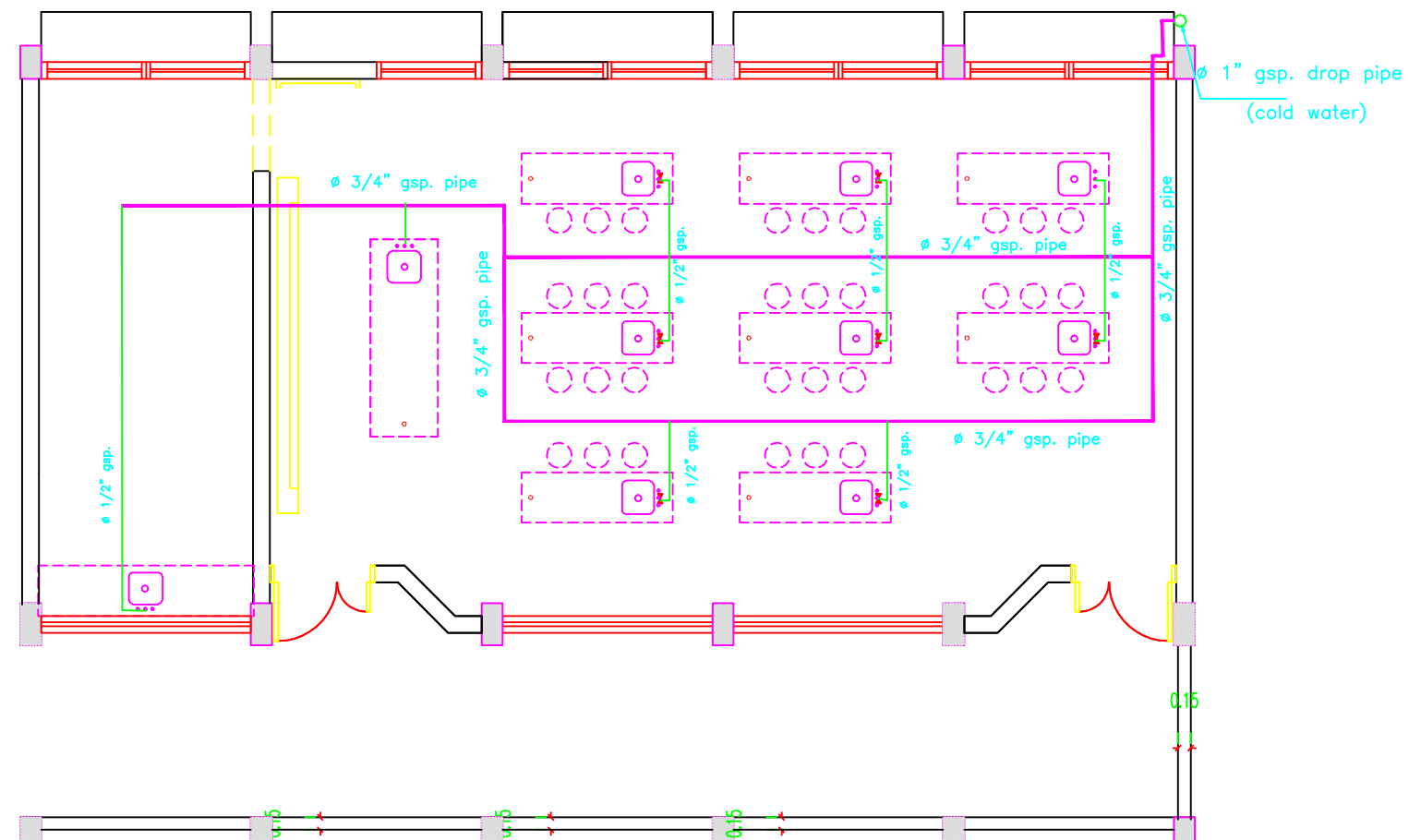
GROUND, FIRST, SECOND & ROOF
FLOOR SANITARY PLAN

Scale

Drawing No.

Title

M 02



NOTES:

 MH. 1 m

 MH. 0.80 m

 MH. 0.60 m

 UPVC Sewer Line $\phi 8''$

 UPVC Sewer Line $\phi 6''$

 MDPE Water $\phi 63$ mm

 G. Steel Water Pipe $\phi 1''$


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falkhara.org
Also known as: Education Above All

EDUCATION ABOVE ALL
Al Falkhara Programme

IMPLEMENTED BY


United Nations Development Programme
Programme of Assistance to the Palestinian People

Project Name

RIGHT TO EDUCATION

School name

Al Karmel Secondary Boys Schools

Drawing name

LAB WATER NETWORKS PLAN

Scale

Drawing No.

M 03

Al Karmel Secondary Boys
Schools

NOTES

FOR TENDER ONLY

4			
3			
2			
1			
No.	Description	Date	By
Revisions			
Designed	ENG. ALAA SHALABY		
Checked	UNDP		
Approved	UNDP		
Date	25/02/2015	Scale	

PALESTINIAN NATIONAL AUTHORITY



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IMPLEMENTED BY:



PROJECT-

RIGHT TO EDUCATION
Al Karmel Secondary Boys Schools

Drawing Name:

Electrical Drawings

Symbol	Drawing No.:	Rev . No.
RES	E 01	R1

Electrical Drawings

NOTES

FOR TENDER ONLY

4			
3			
2			
1			
No.	Description	Date	By
Revisions			
Designed	ENG. ALAA SHALABY		
Checked	UNDP		
Approved	UNDP		
Date	25/02/2015	Scale	

PALESTINIAN NATIONAL AUTHORITY



DONATED BY:


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Al Fakhro Program

IMPLEMENTED BY:



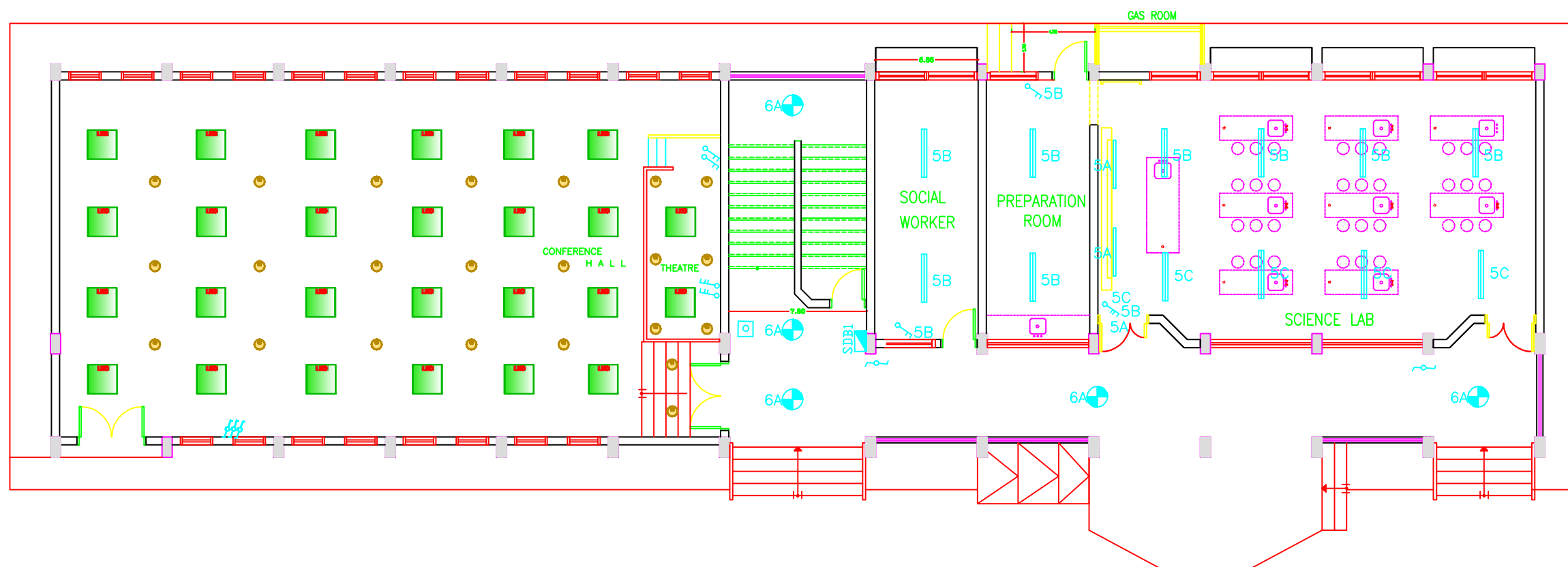
PROJECT-

RENT TO EDUCATION
Al Karmel Secondary Boys Schools

Drawing Name

Electrical Drawings

Symbol	Drawing No.:	Rev . No.
RES	E 01	R1



GROUND FLOOR LIGHTING PLAN

NOTES

Designed	ENG. ALAA SHALABY	
Checked	UNDP	
Approved	UNDP	
Date		

PALESTINIAN NATIONAL AUTHORITY



DONATED BY:



EDUCATION ABOVE ALL
All Partners Programme

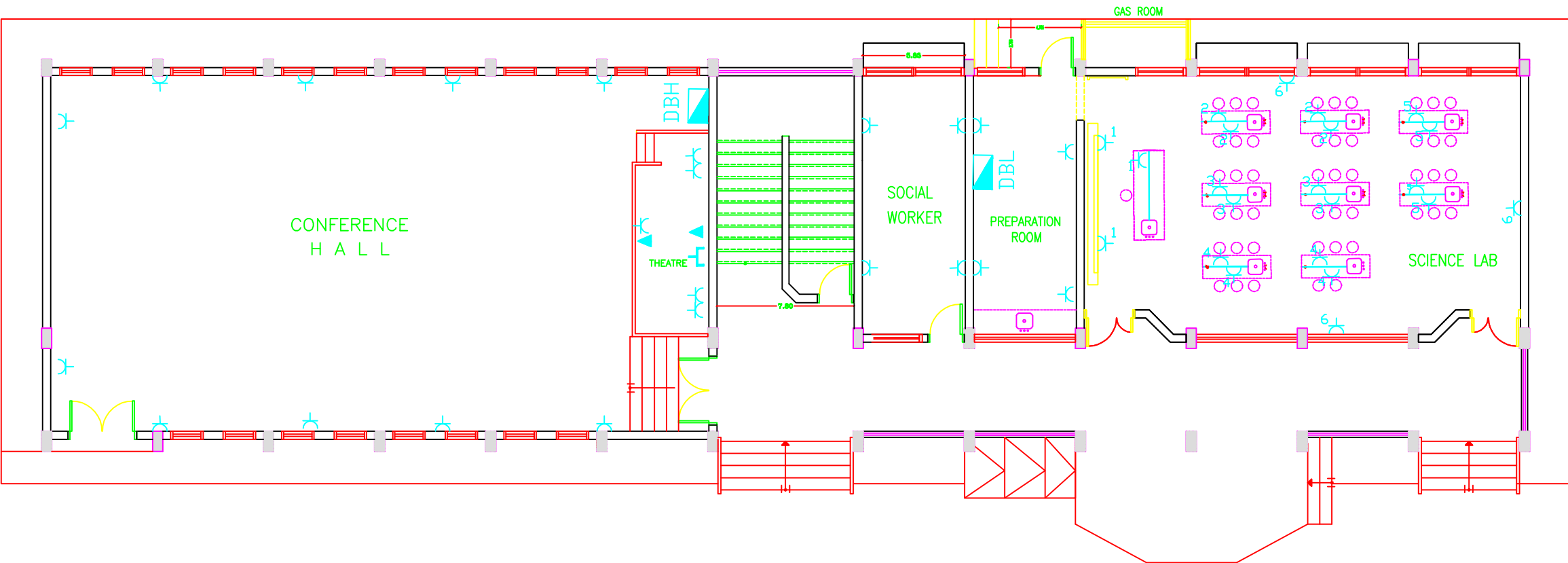
IMPLEMENTED BY:



PROJECT- RIGHT TO EDUCATION
Al Kamel Secondary Boys Schools

LIGHTING PLAN

Symbol	Drawing No.:	E 01
RES		



GROUND FLOOR SOCKET PLAN

NOTES

Designed	ENG. ALAA SHALABY	
Checked	UNDP	
Approved	UNDP	
Date		

PALESTINIAN NATIONAL AUTHORITY



DONATED BY:



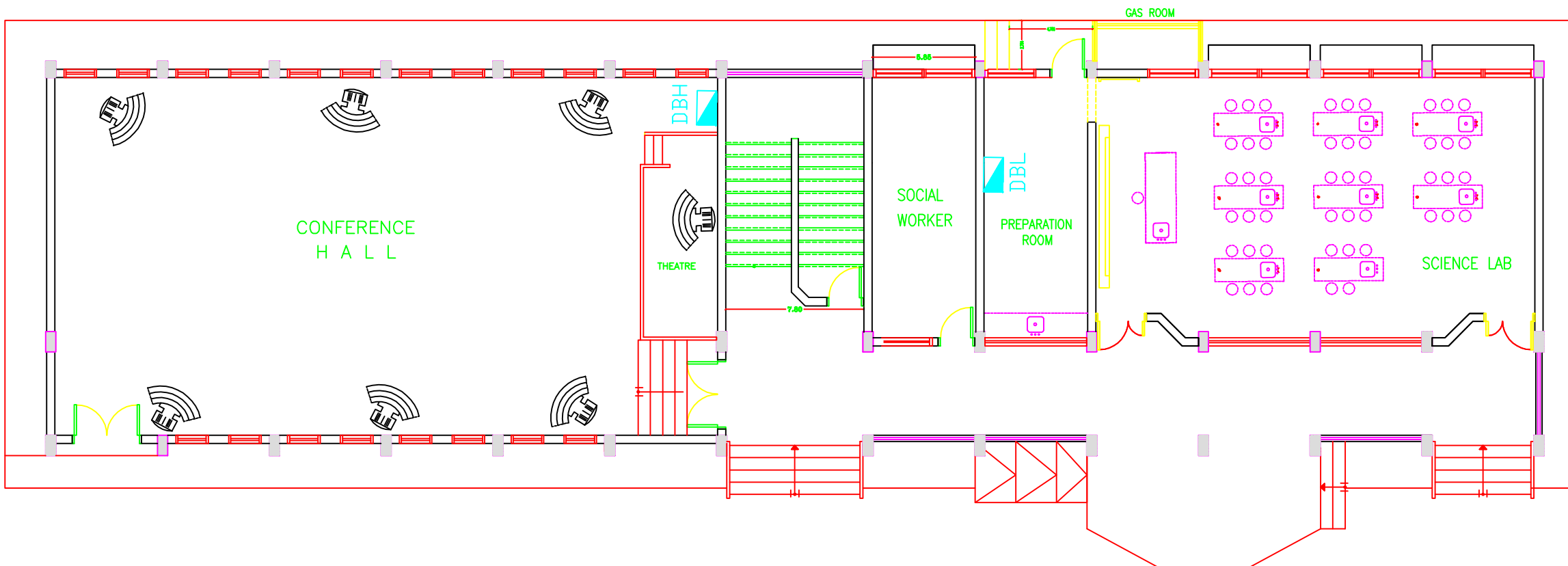
IMPLEMENTED BY:



PROJECT: RIGHT TO EDUCATION
Al Karmel Secondary Boys Schools

POWER SOCKET

Symbol	Drawing No.:	E 02
RES		



GROUND FLOOR WALL FANS

NOTES

Designed	ENG. ALAA SHALABY	
Checked	UNDP	
Approved	UNDP	
Date		

PALESTINIAN NATIONAL AUTHORITY



DONATED BY:



EDUCATION ABOVE ALL
AI Pkhsam Programme

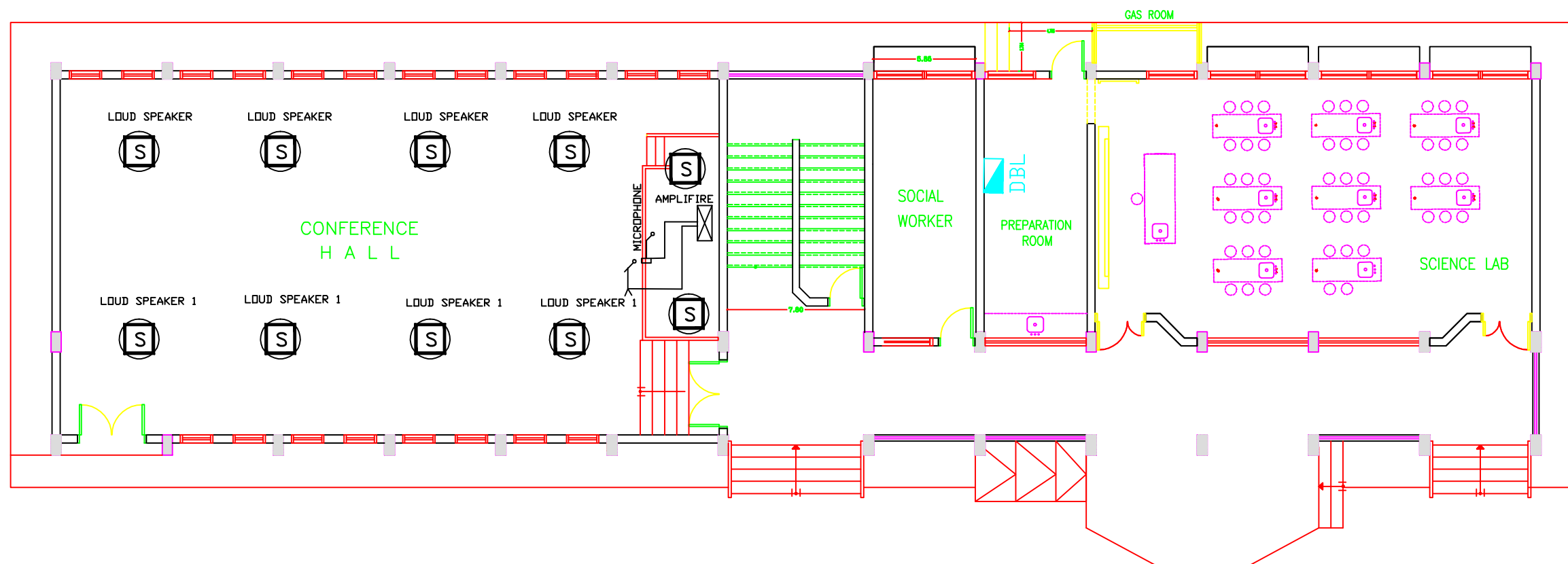
IMPLEMENTED BY:



PROJECT- RIGHT TO EDUCATION
AI Kermal Secondary Boys Schools

FANS

Symbol	Drawing No.:	E 03
RES		



GROUND FLOOR LOUD SPEAKERS

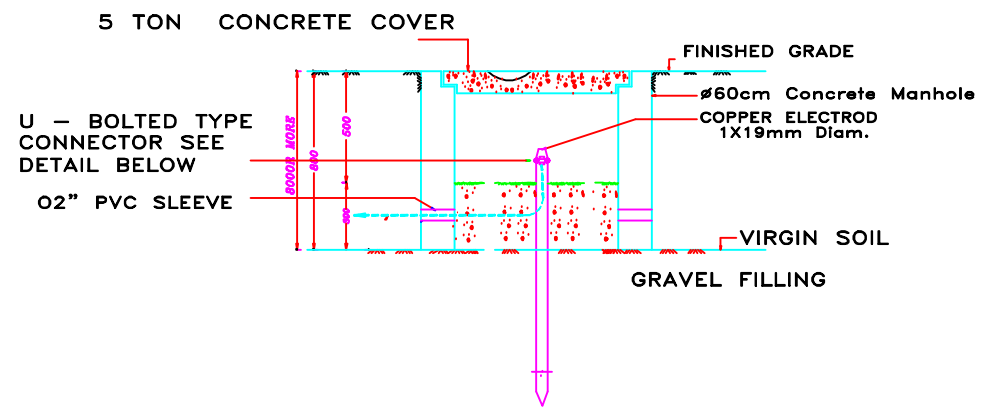
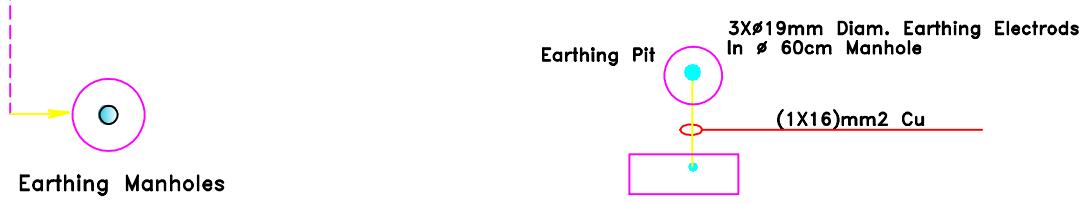
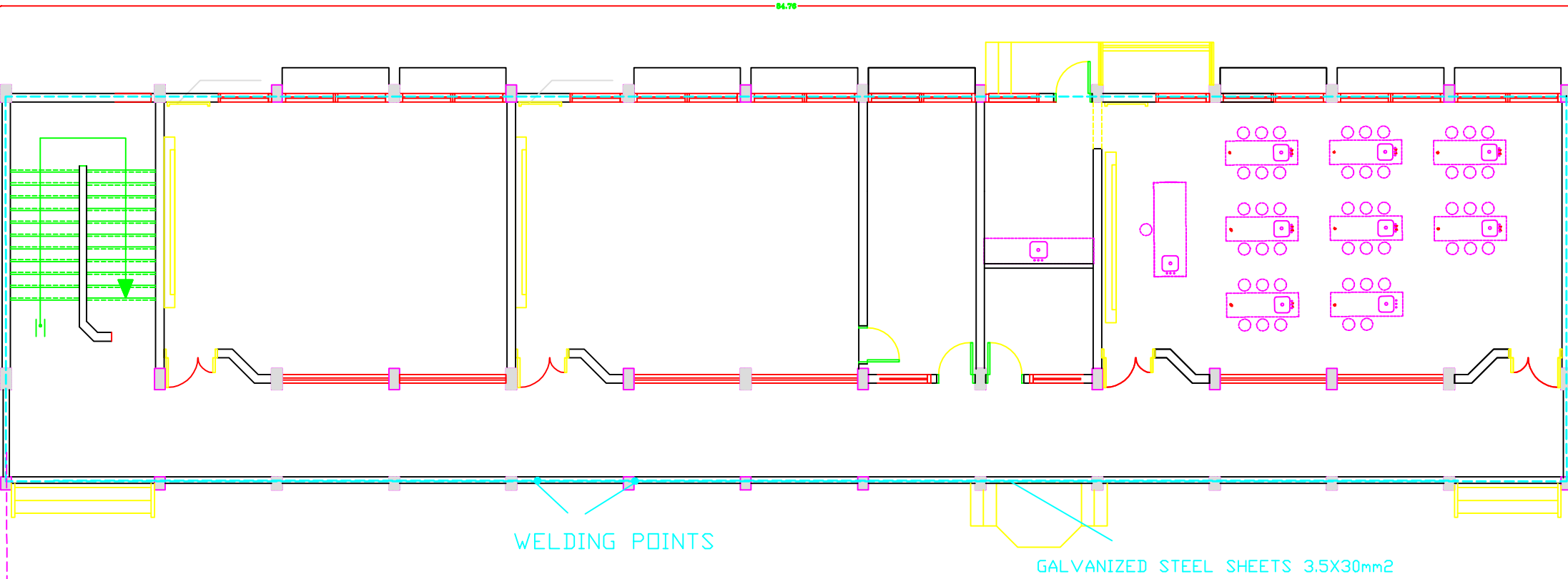
Designed	ENG. ALAA SHALABY	
Checked	UNDP	
Approved	UNDP	
Date		



PROJECT: RIGHT TO EDUCATION
Al Kamel Secondary Boys Schools

LOUD SPEAKERS

Symbol	Drawing No.:	E 04
RES		



R< 2 ohm

EARTH PLAN GROUND BEAM

NOTES

4			
3			
2			
1			
No.	Description	Date	By
Revisions			
Designed	ENG. ALAA SHALABY		
Checked	UNDP		
Approved	UNDP		
Date	25/02/2015	Scale	

PALESTINIAN NATIONAL AUTHORITY

DONATED BY:

EDUCATION ABOVE ALL
All Palestine Programme

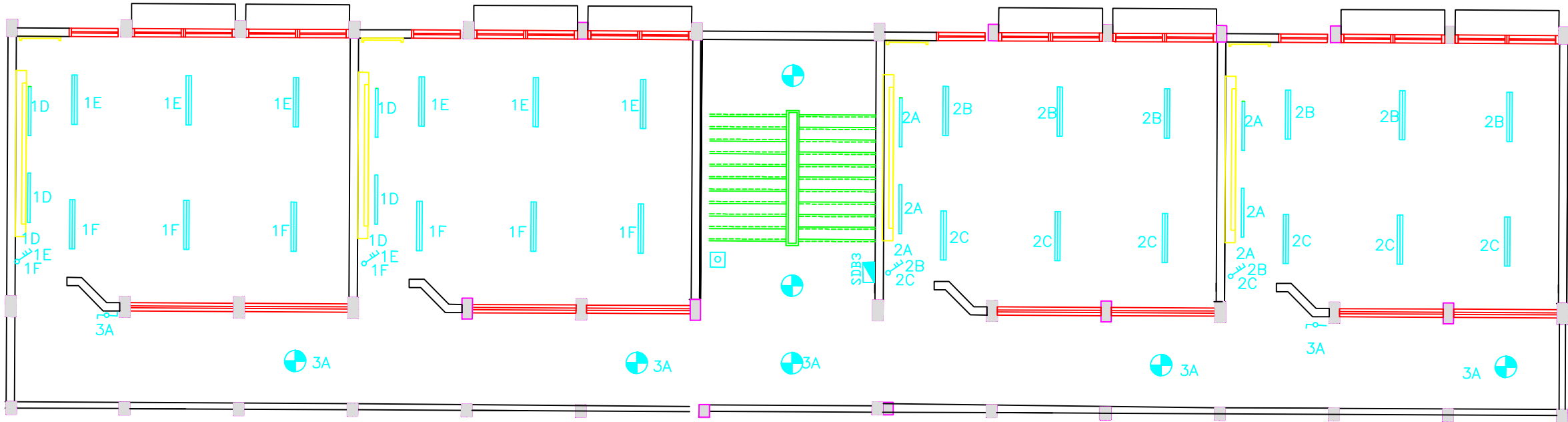
IMPLEMENTED BY:

PROJECT: RIGHT TO EDUCATION
Al Karmel Secondary Boys Schools

EARTHING

Symbol	Drawing No.:	Rev. No.
RES	E 05	R1

NOTES



1ST FLOOR LIGHTING PLAN

Designed ENG. ALAA SHALABY
Checked UNDP
Approved UNDP
Date 25/02/2015

PALESTINIAN NATIONAL AUTHORITY



DONATED BY:



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AI Fakhro Program

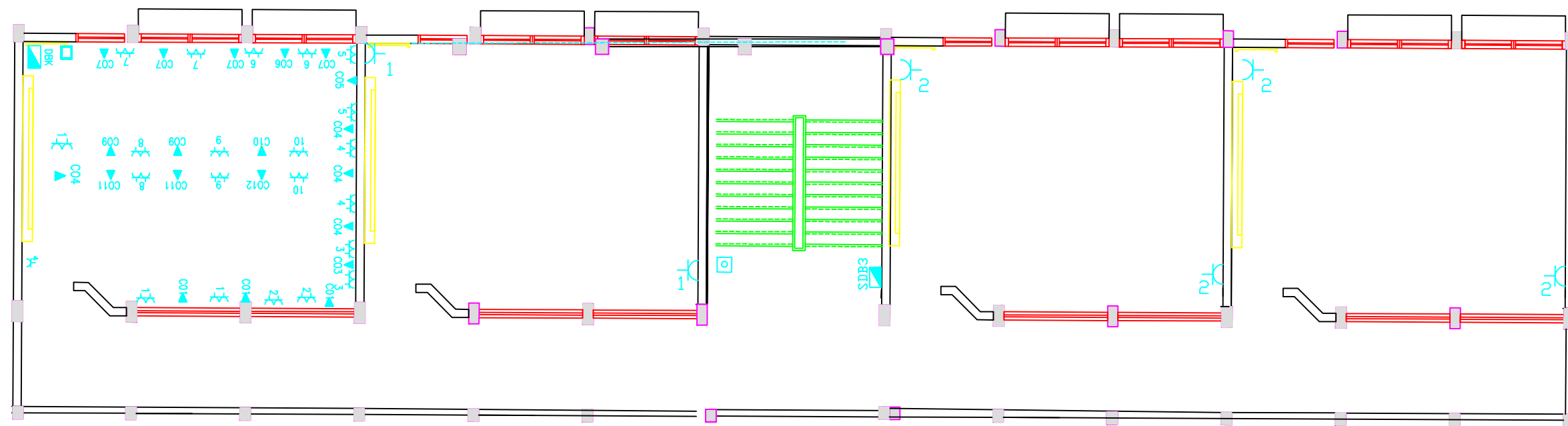
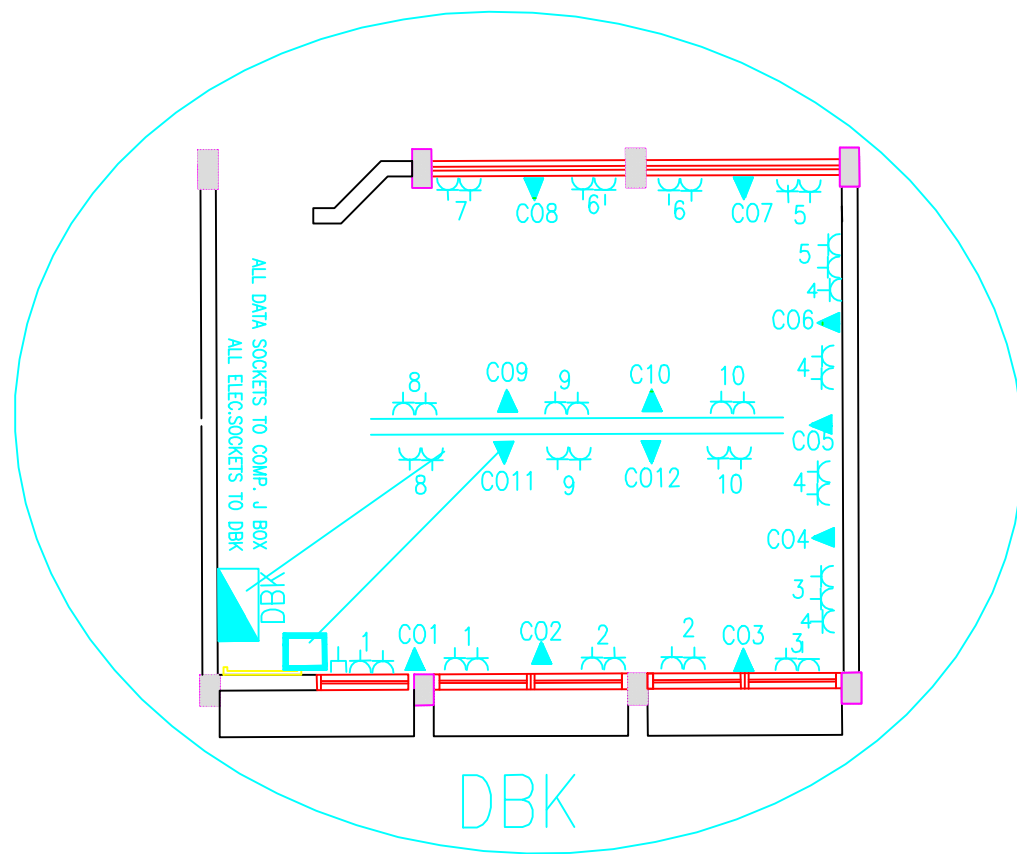
IMPLEMENTED BY:



PROJECT-
BRIEF TO EDUCATION
AI Karmel Secondary Boys Schools

LIGHTING 2nd FLOOR

Symbol	Drawing No.:	Rev. No.
RES	E 06	R1



First FLOOR power socket PLAN

NOTES

Designed ENG. ALAA SHALABY
Checked UNDP
Approved UNDP
Date 25/02/2015

PALESTINIAN NATIONAL AUTHORITY



DONATED BY:



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AI Pkheem Programme

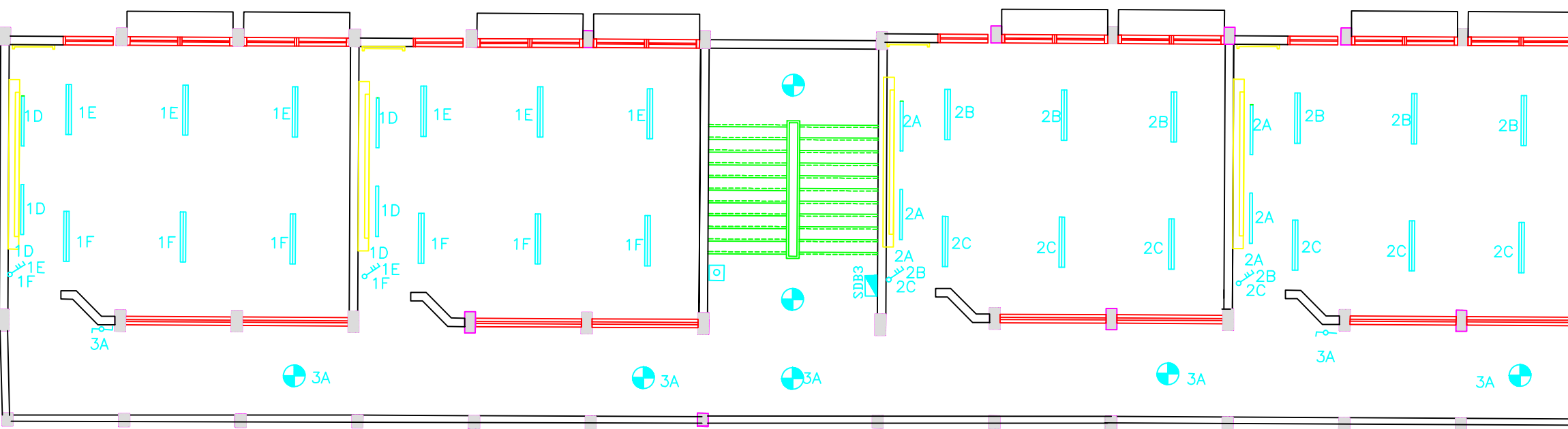
IMPLEMENTED BY:



PROJECT:
BRIEF TO EDUCATION
AI Karmel Secondary Boys Schools

LIGHTING 2nd FLOOR

Symbol	Drawing No.:	Rev. No.
RES	E 07	R1



2nd FLOOR LIGHTING PLAN

NOTES

Designed	ENG. ALAA SHALABY	
Checked	UNDP	
Approved	UNDP	
Date	25/02/2015	Scale

PALESTINIAN NATIONAL AUTHORITY



DONATED BY:



EDUCATION ABOVE ALL
AI Pkshom Programme

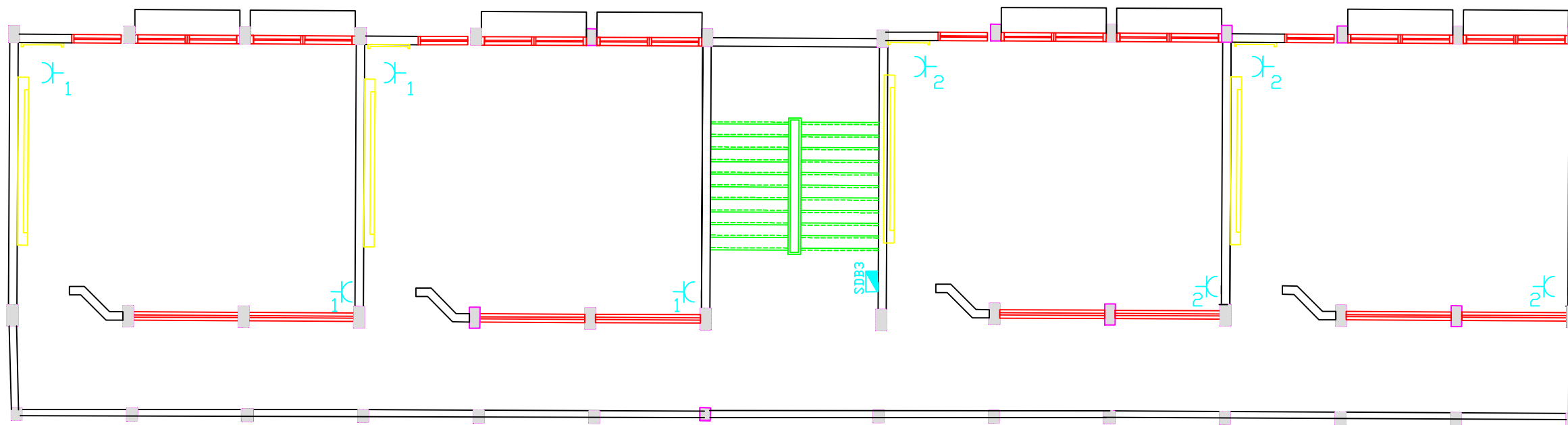
IMPLEMENTED BY:



PROJECT:
RIGHT TO EDUCATION
Al Kamel Secondary Boys Schools

LIGHTING 1st FLOOR

Symbol	Drawing No.:	Rev. No.
RES	E 08	R1



SECOND FLOOR power socket PLAN

NOTES

Designed	ENG. ALAA SHALABY	
Checked	UNDP	
Approved	UNDP	
Date	25/02/2015	Scale

PALESTINIAN NATIONAL AUTHORITY



DONATED BY:



EDUCATION ABOVE ALL
AI Pkhsom Programme

IMPLEMENTED BY:

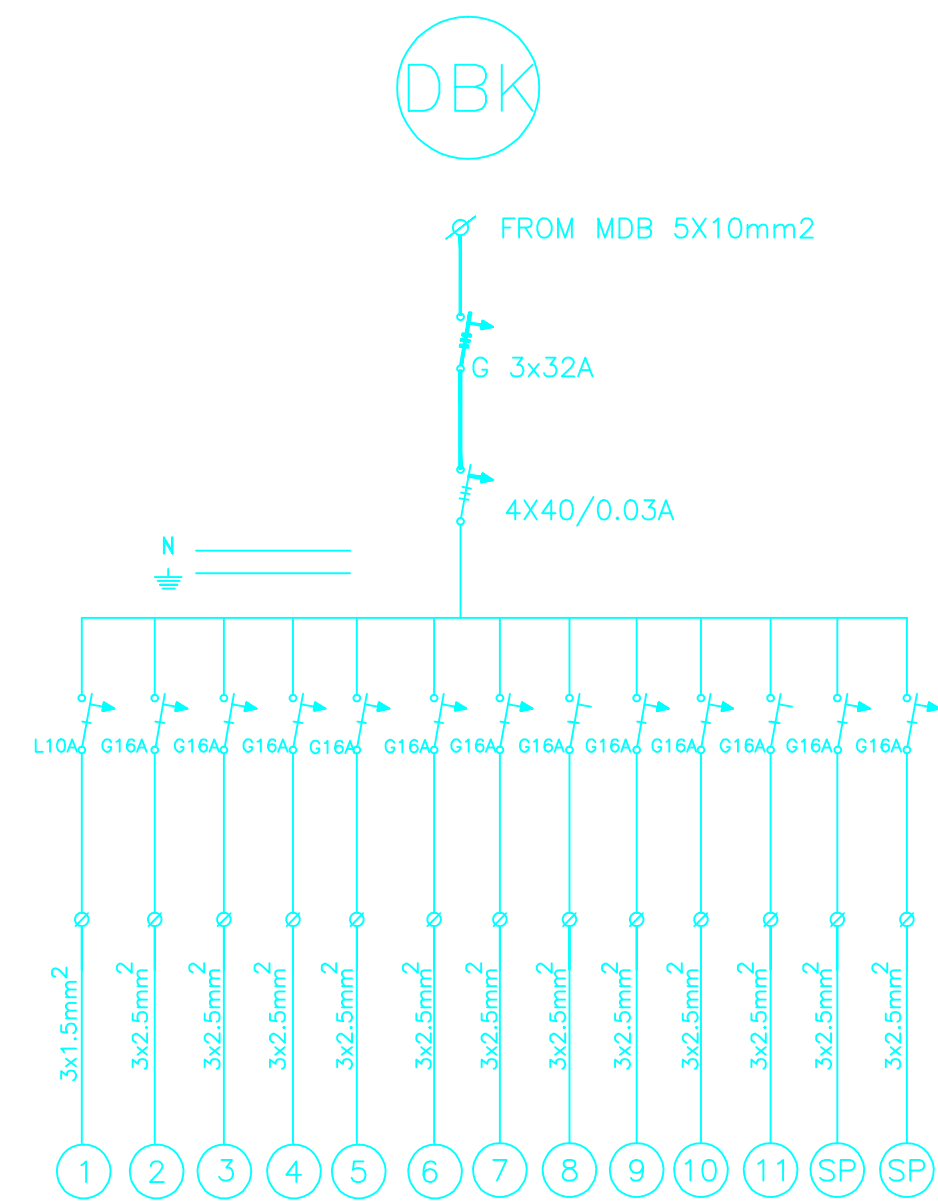
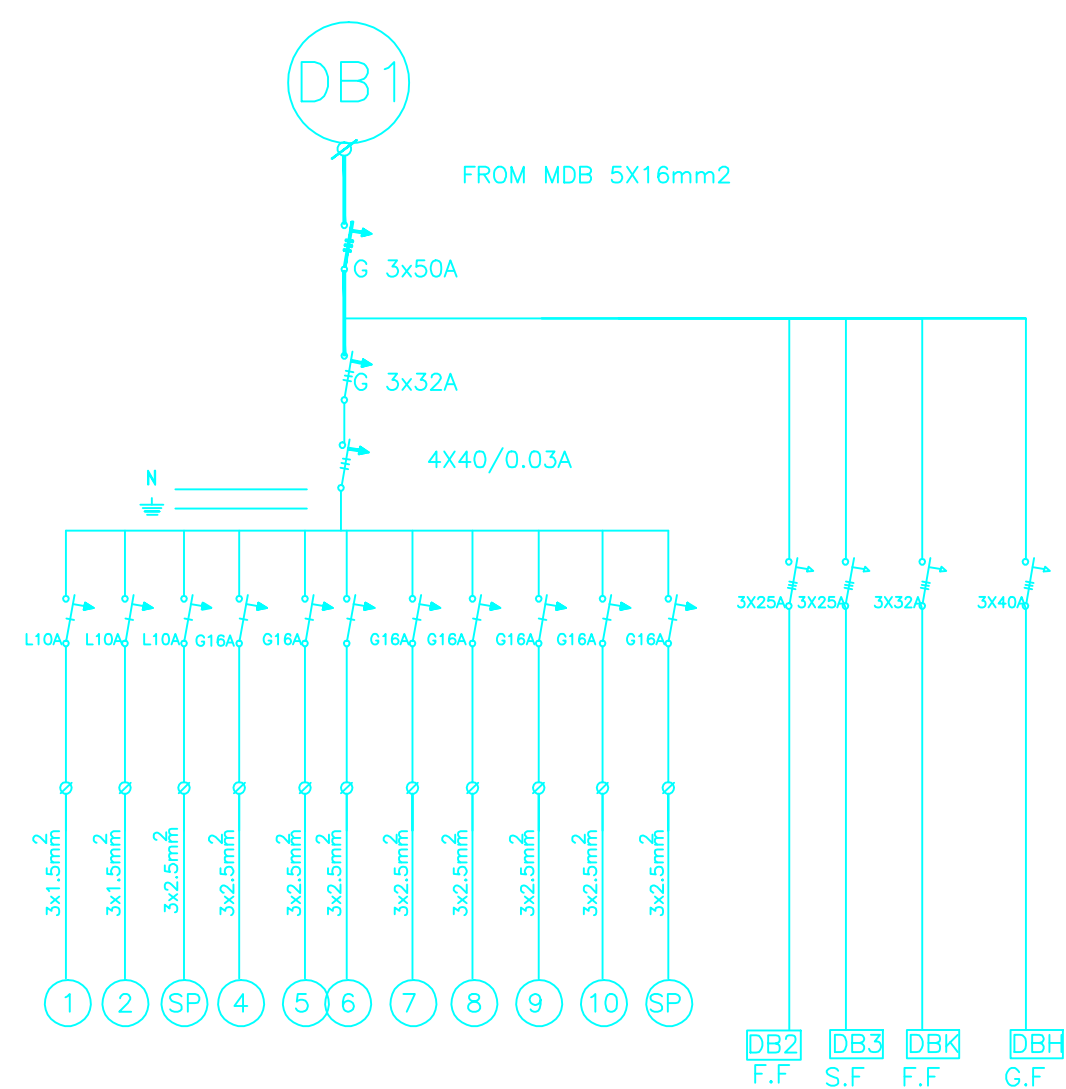


PROJECT:

RIGHT TO EDUCATION
AI Karmel Secondary Boys Schools

LIGHTING 2nd FLOOR

Symbol	Drawing No.:	Rev. No.
RES	E 09	R1



(SDB1,DBK) SINGLE LINE DIAGRAM

NOTES

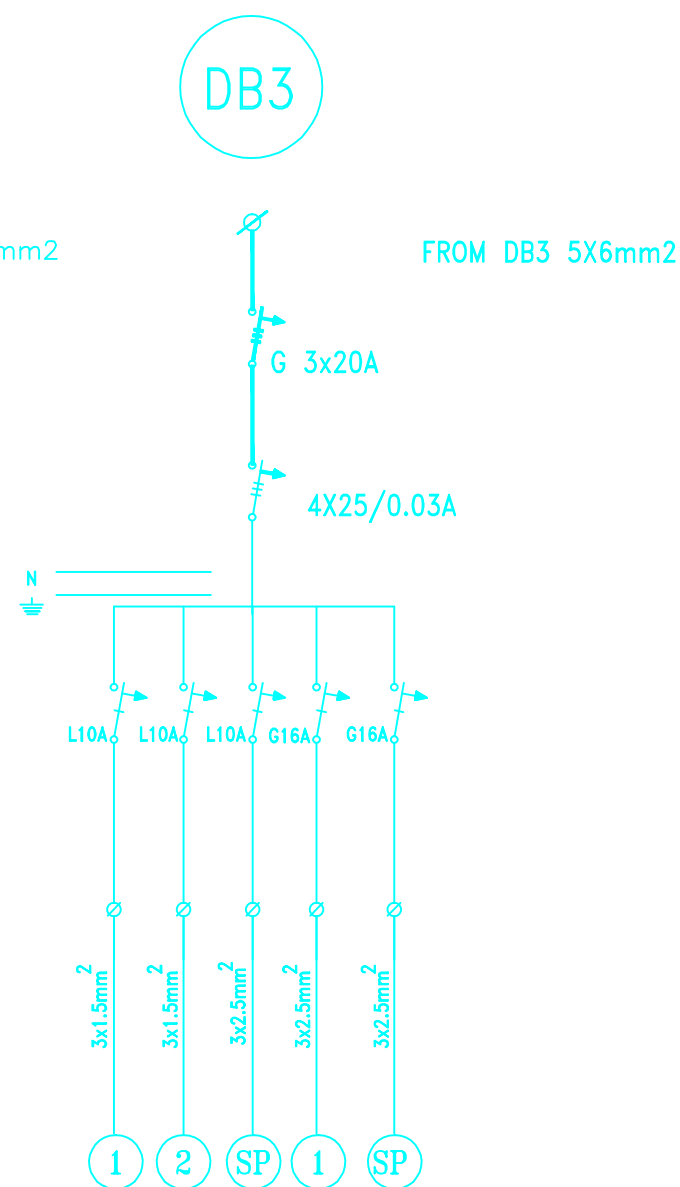
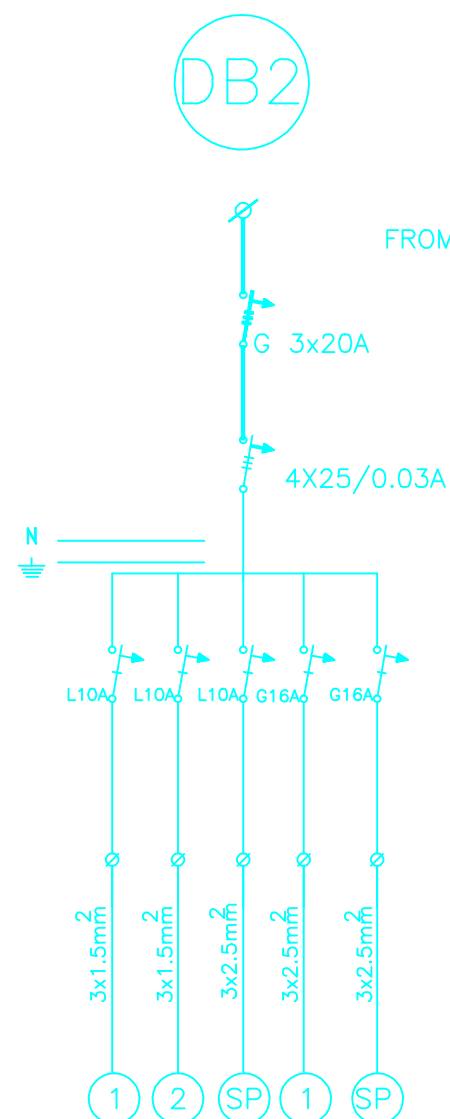
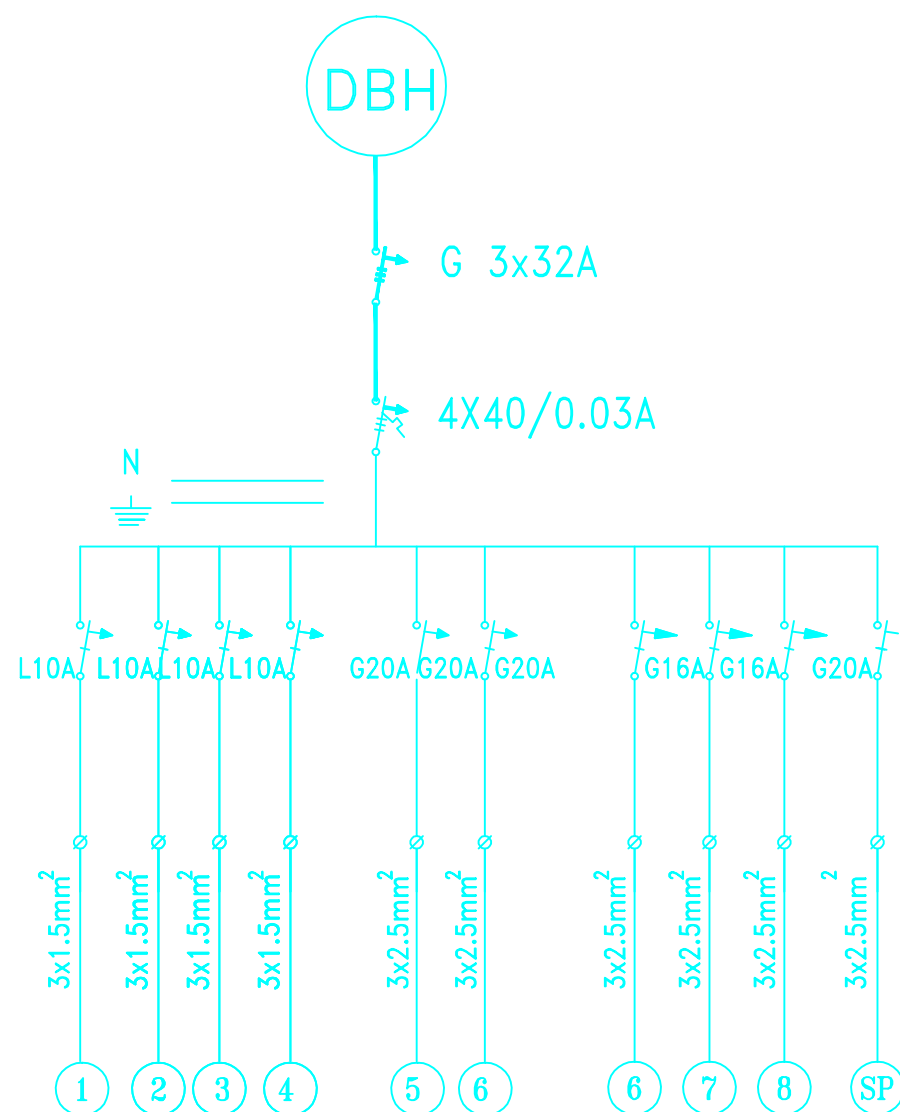
Designed	ENG. ALAA SHALABY	
Checked	UNDP	
Approved	UNDP	
Date	25/02/2015	Scale



PROJECT: RISE TO EDUCATION
Al Kamel Secondary Boys Schools

SDB SINGLE LINE DIAGRAM

Symbol	Drawing No.:	Rev. No.
RES	E 10	R1



(SDBH,SDB2,SDB3) SINGLE LINE DIAGRAM

NOTES

Designed	ENG. ALAA SHALABY	
Checked	UNDP	
Approved	UNDP	
Date	25/02/2015	Scale

PALESTINIAN NATIONAL AUTHORITY



DONATED BY:



EDUCATION ABOVE ALL
All Palestine Programme

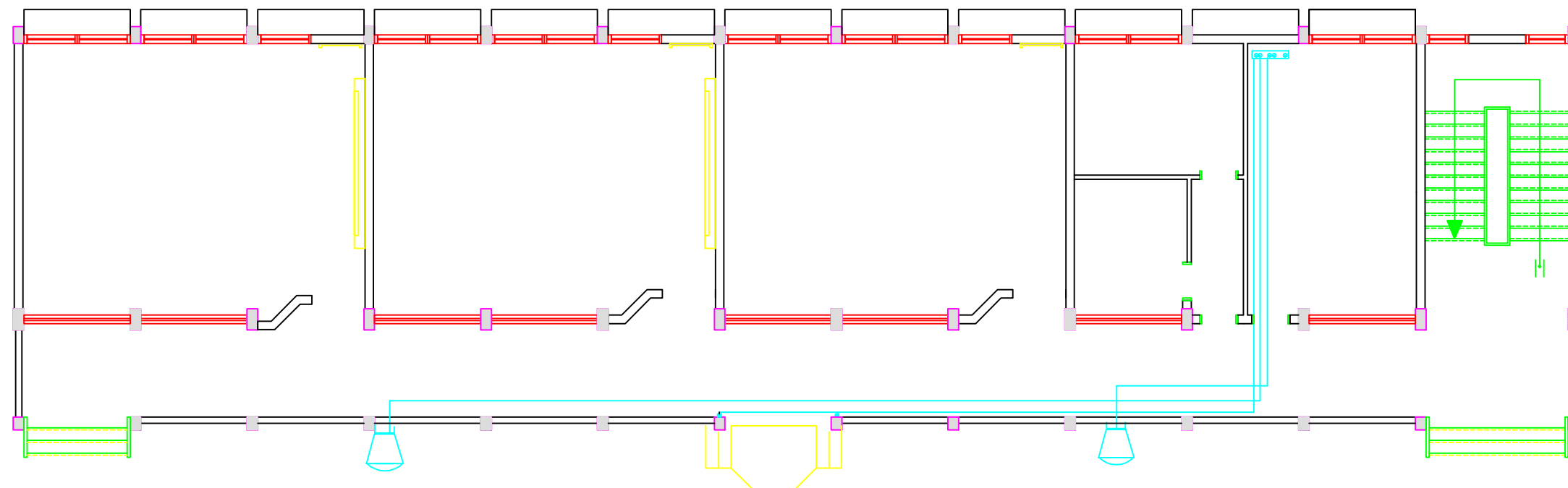
IMPLEMENTED BY:



PROJECT:
BIDAT TO EDUCATION
Al Karmel Secondary Boys Schools

SDB SINGLE LINE DIAGRAM

Symbol	Drawing No.:	Rev. No.
RES	E 11	R1



NOTES

FOR TENDER ONLY

4			
3			
2			
1			
No.	Description	Date	By

Revisions			
Designed	ENG. ALAA SHALABY		
Checked	UNDP		
Approved	UNDP		
Date	25/02/2015	Scale	

PALESTINIAN NATIONAL AUTHORITY

DONATED BY:

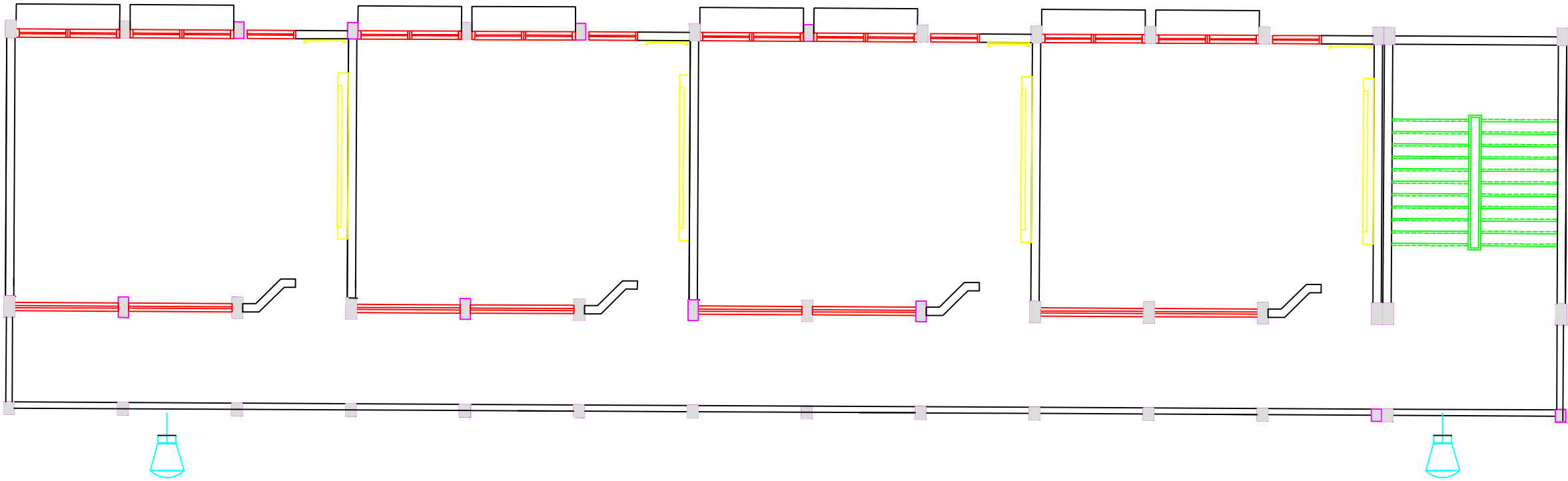
EDUCATION ABOVE ALL
All Palestine Programme

IMPLEMENTED BY:

PROJECT-
RIGHT TO EDUCATION
Al Kamel Secondary Boys Schools

Drawing Name
SOUND SYSTEM PLAN

Symbol	Drawing No.:	Rev . No.
RES	E 12	R1



EXTERNAL LIGHTING FIXTURES

NOTES

4			
3			
2			
1			
No.	Description	Date	By
Revisions			
Designed	ENG. ALAA SHALABY		
Checked	UNDP		
Approved	UNDP		
Date	25/02/2015	Scale	

PALESTINIAN NATIONAL AUTHORITY



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All Palestine Programme

IMPLEMENTED BY:



PROJECT:

RIGHT TO EDUCATION
Al Karmel Secondary Boys Schools

EXTERNAL LIGHTING

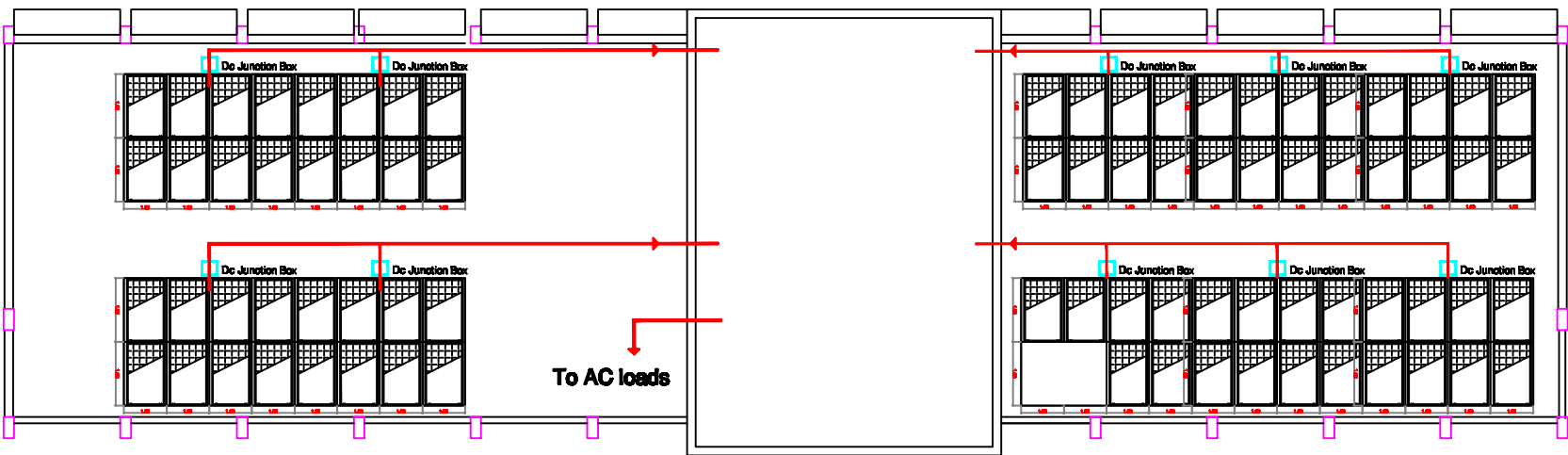
Symbol	Drawing No.:	Rev. No.
RES	E 13	R1

Electrical Drawings

PV SOLAR SYSTEM

Al Karmel Secondary Boys Schools		
School lighting loads K.Watt	No. of PV modules	No. of batteries
19.5	78	60

78 PV modules



NOTES:

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United Nations Development Programme
Programme of Assistance to the Palestinian People

Designed

ENG. ALAA SHALABY

Checked

UNDP

Approved

UNDP

Project Name

RIGHT TO EDUCATION

School name

Al Karmel Secondary Boys Schools

Drawing name

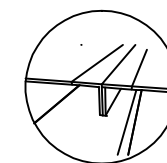
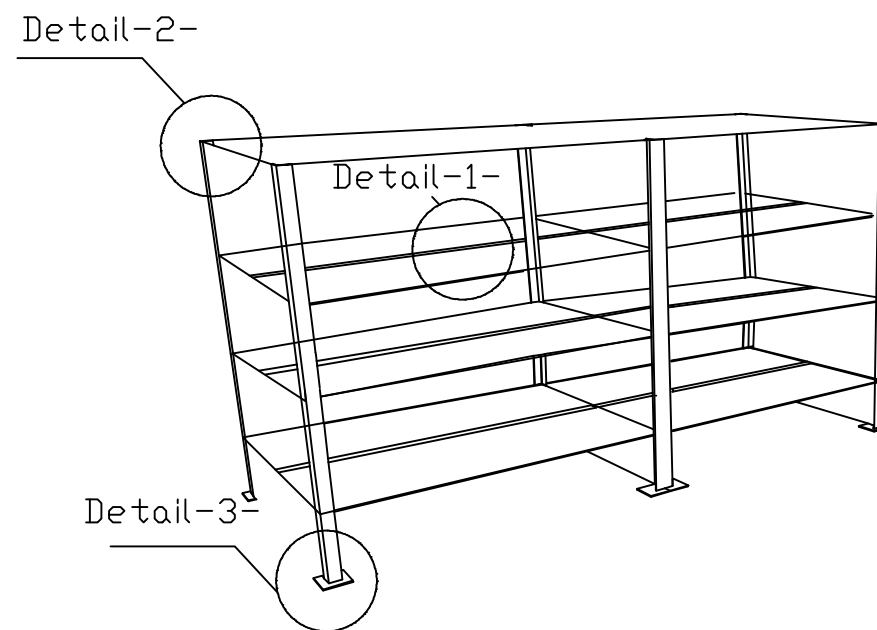
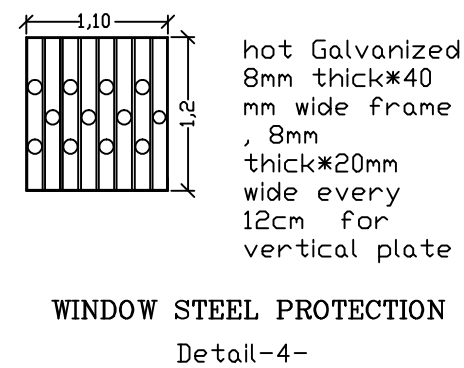
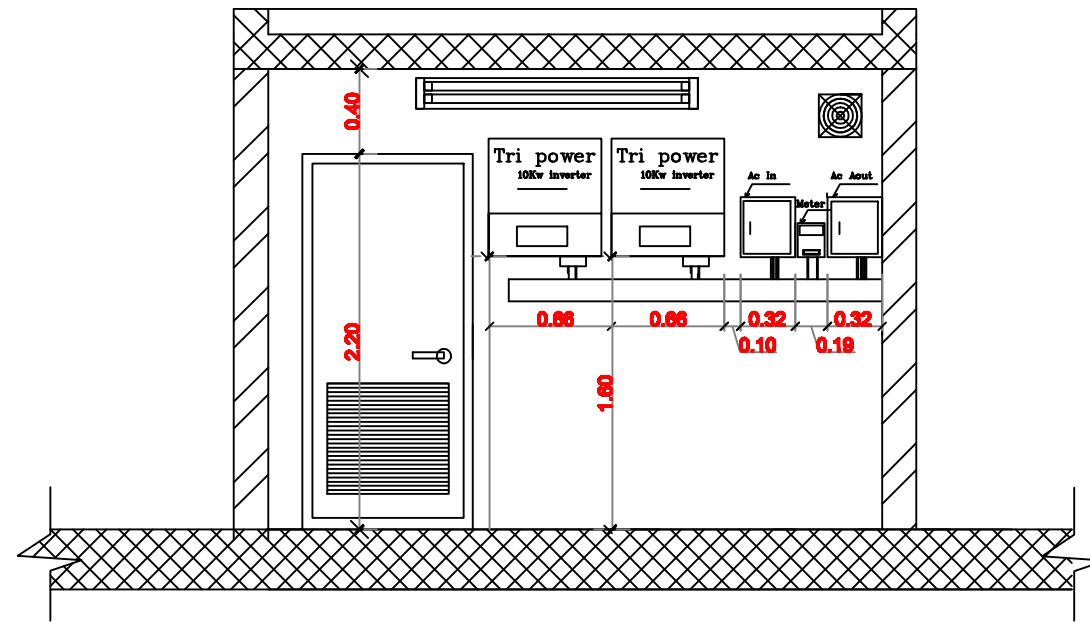
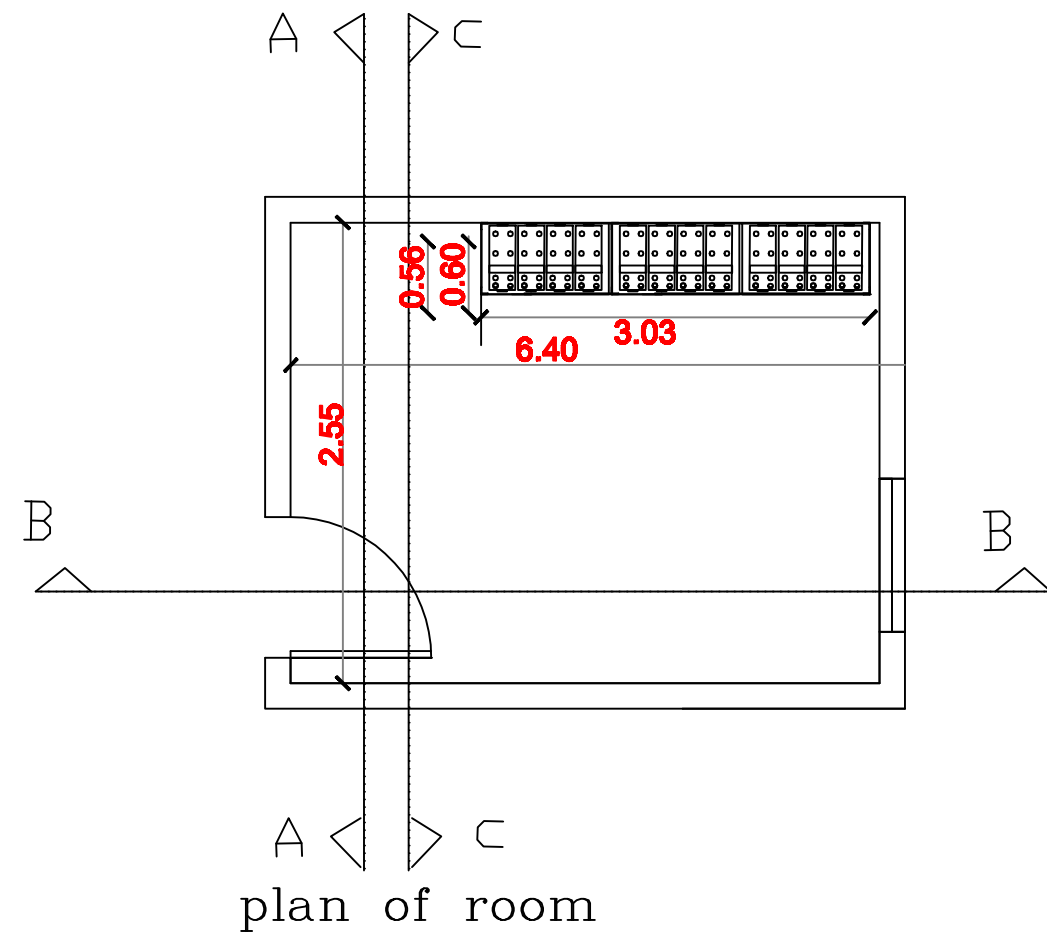
solar panels Layout

Scale

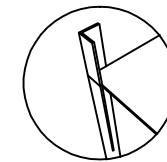
Drawing No.

To/ft

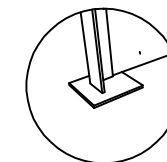
E 01



Detail-1-
hot Galvanized
double angle
5*5 cm with
5mm depth



Detail-2-
hot Galvanized
angle 5*5 cm
with 5mm
depth



Detail-3-
Galvanized
plate 12*12
cm*4mm

NOTES:

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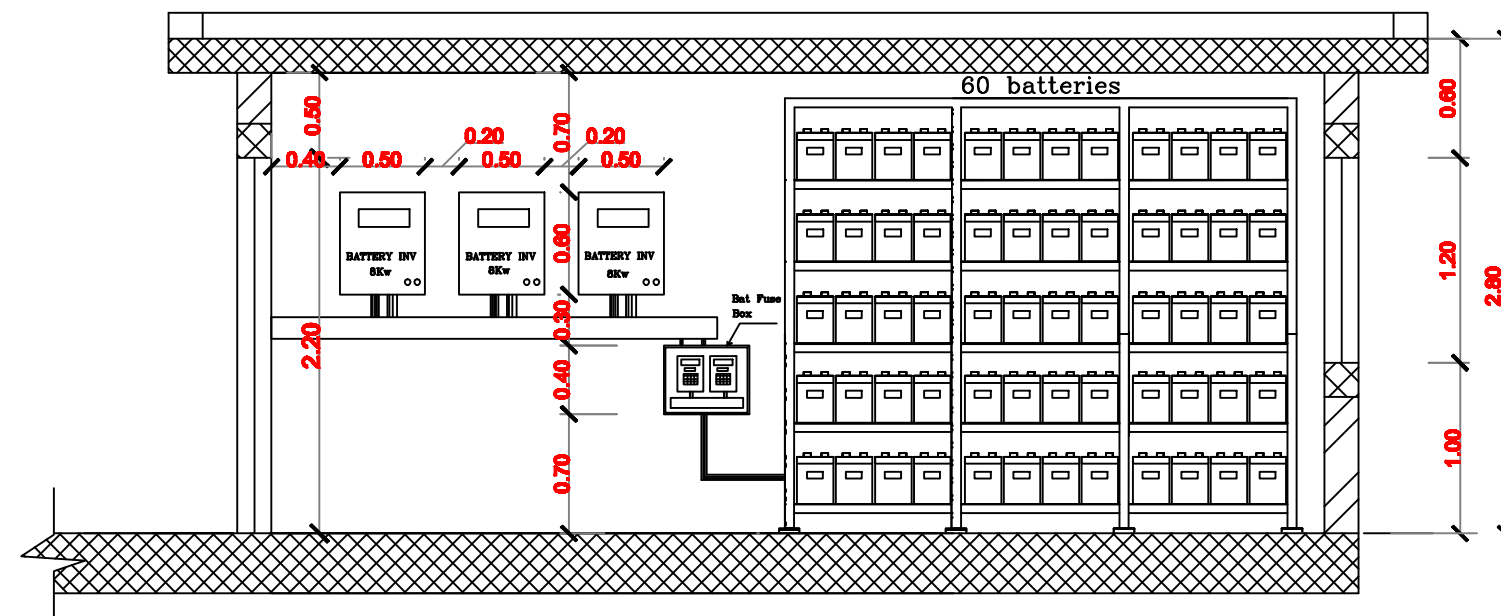
Designed ENG. ALAA SHALABY
Checked UNDP
Approved UNDP

Project Name
RIGHT TO EDUCATION

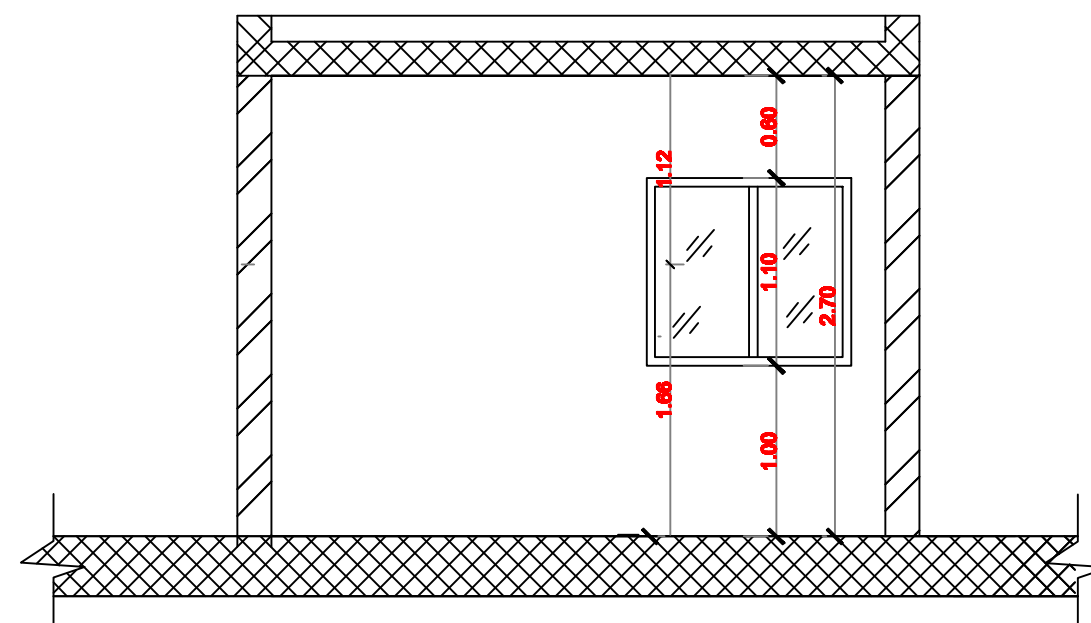
School name
Al Karmel Secondary Boys School

Drawing name
Sections of solar room & Details

Scale Drawing No.
To Be E 02



section B-B



section C-C

NOTES:

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Al Fakhara Programme

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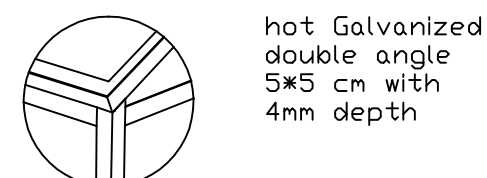
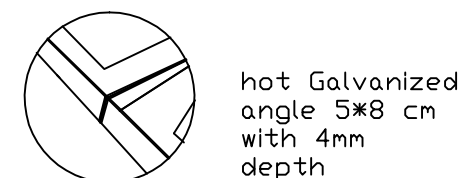
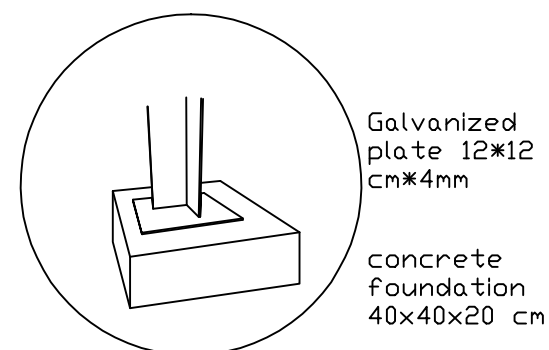
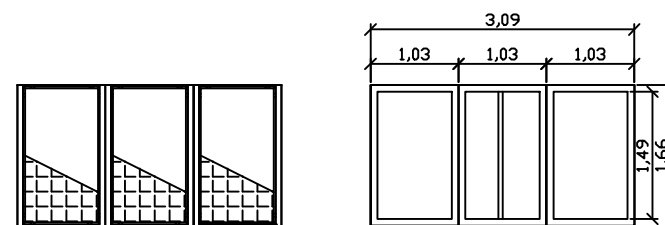
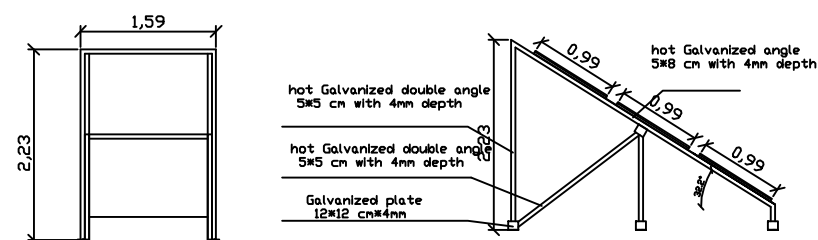
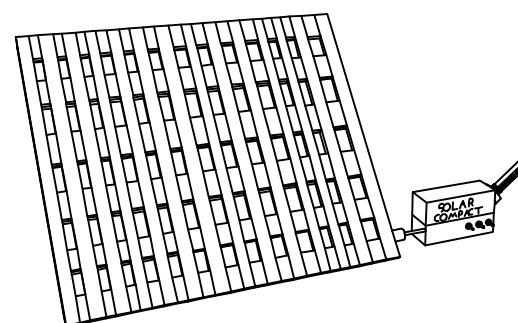
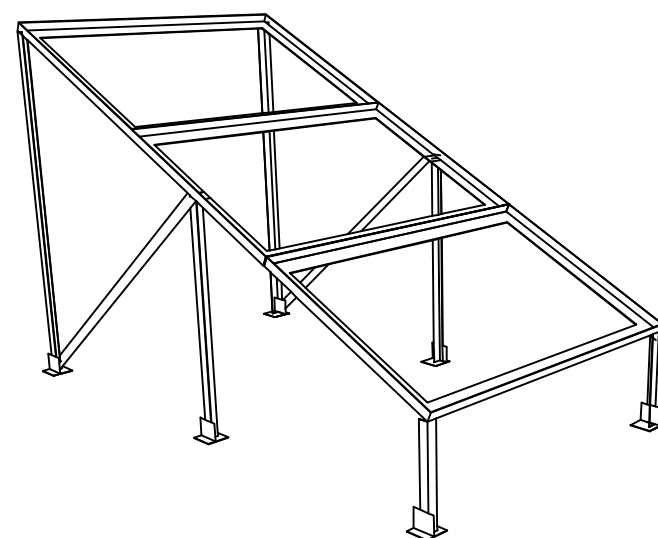
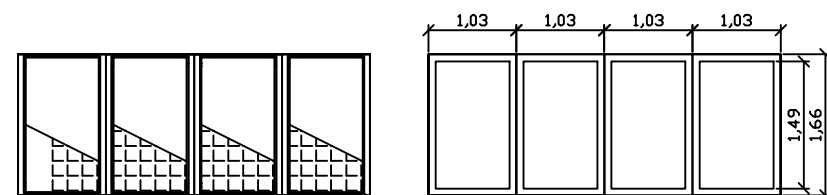
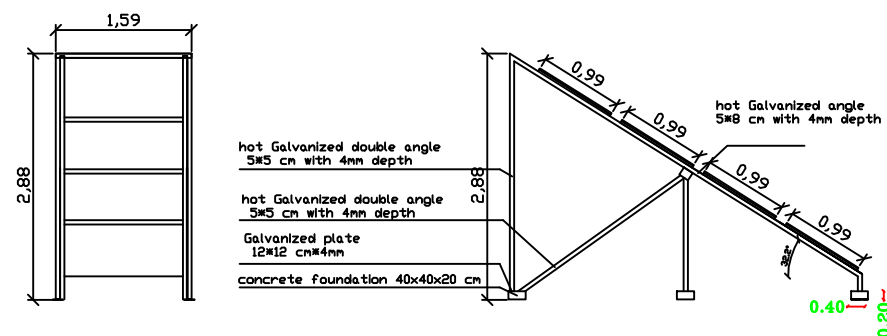
Designed	ENG. ALAA SHALABY
Checked	UNDP
Approved	UNDP

Project Name
RIGHT TO EDUCATION

School name
Al Karmel Secondary Boys Schools

Drawing name
Batteries bank details

Scale	Drawing No.
1:10	E 03



NOTES:

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Approved UNDP

Project Name

RIGHT TO EDUCATION

School name

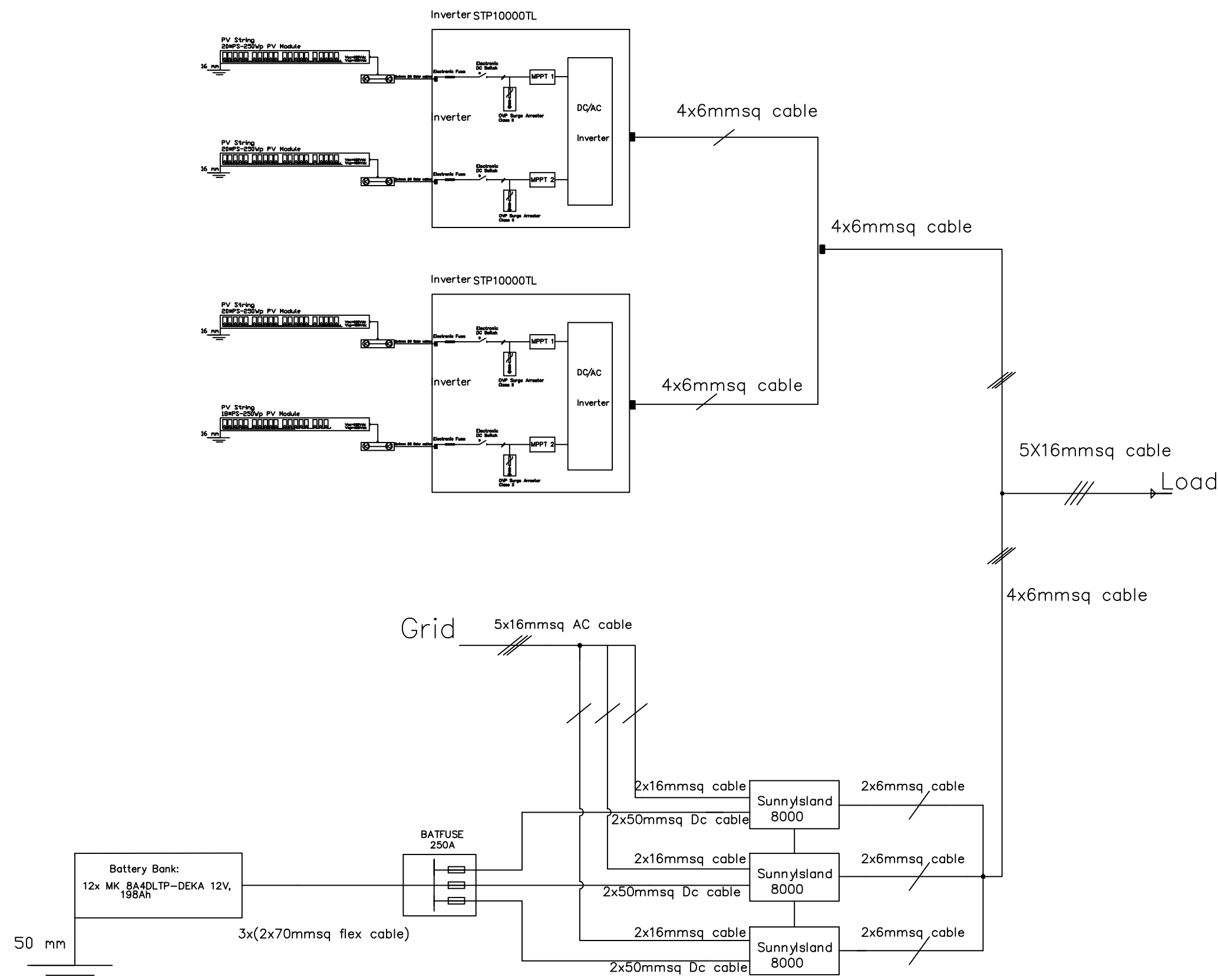
Al Karmel Secondary Boys School

Drawing name

solar panels mounting structure

Scale Drawing No.

To Be E 04



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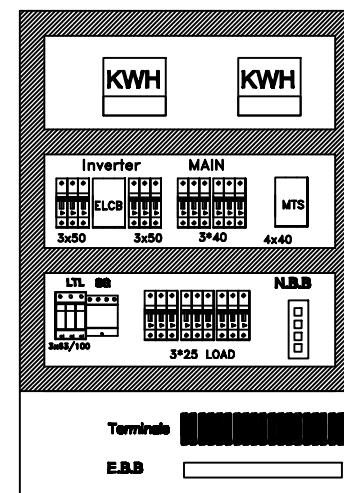
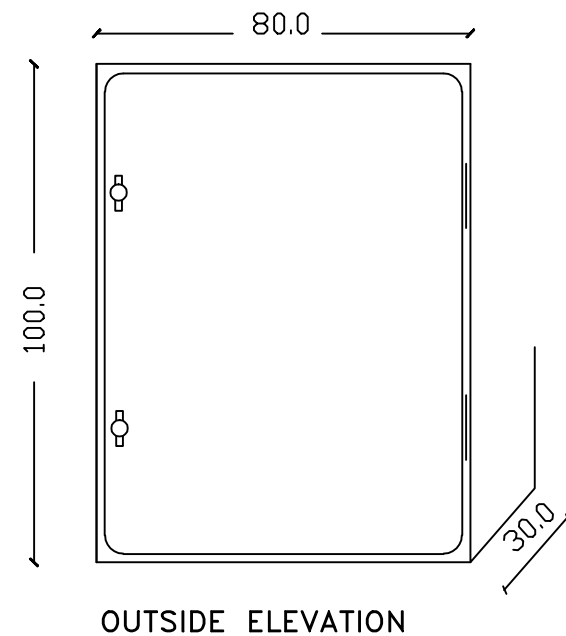
Designed	ENG. ALAA SHALABY
Checked	UNDP
Approved	UNDP

Project Name
RIGHT TO EDUCATION

School name
Al Karmel Secondary Boys School

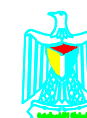
Drawing name
Single line diagram of solar system

Scale	Drawing No.
1:1	E 05



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Checked	UNDP	
Approved	UNDP	

Project Name

RIGHT TO EDUCATION

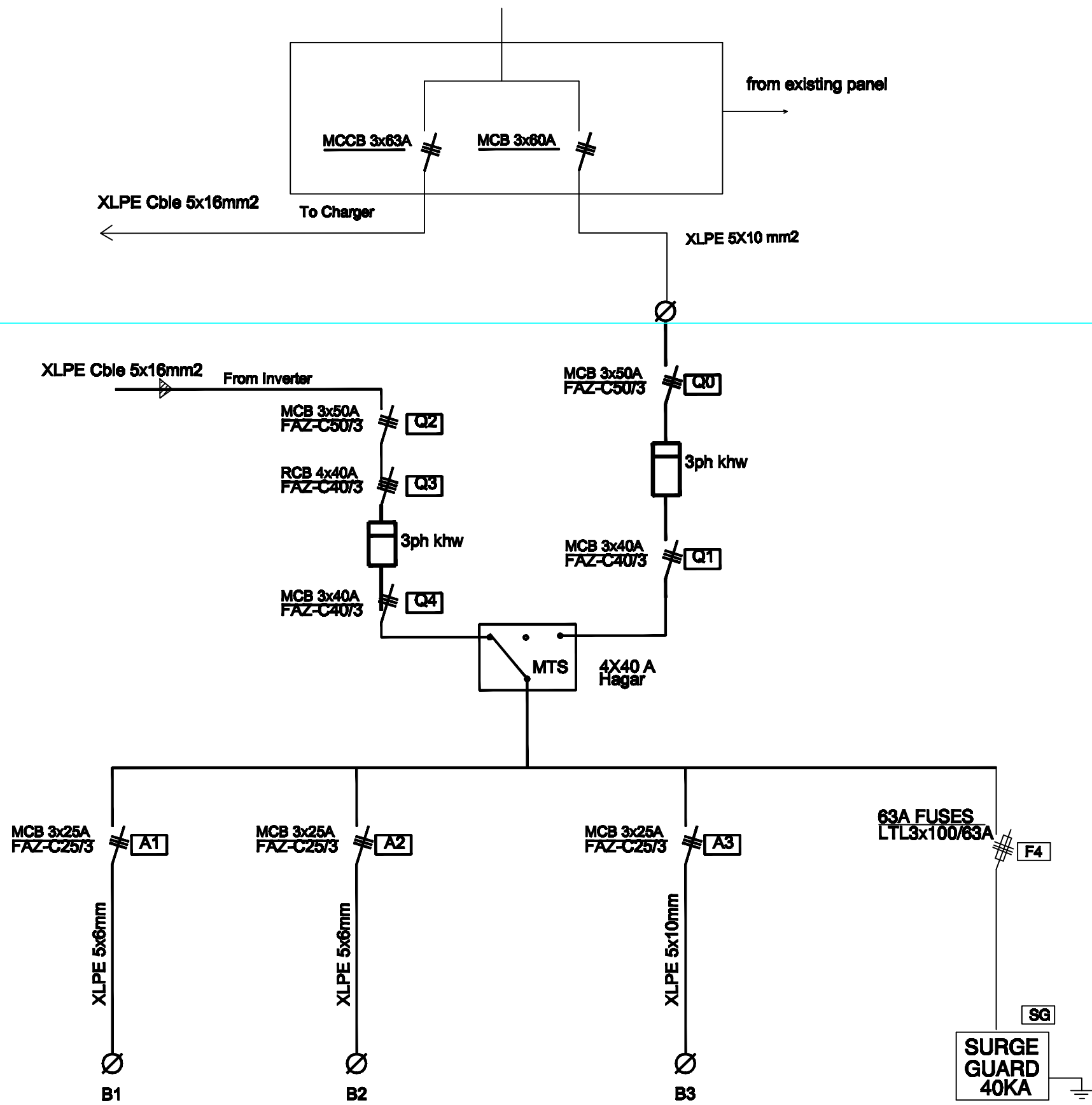
School name

Al Karmel Secondary Boys Schools

Drawing name

MDB PANEL LAYOUT

Scale	Drawing No.
1:1	E 06



NOTES:

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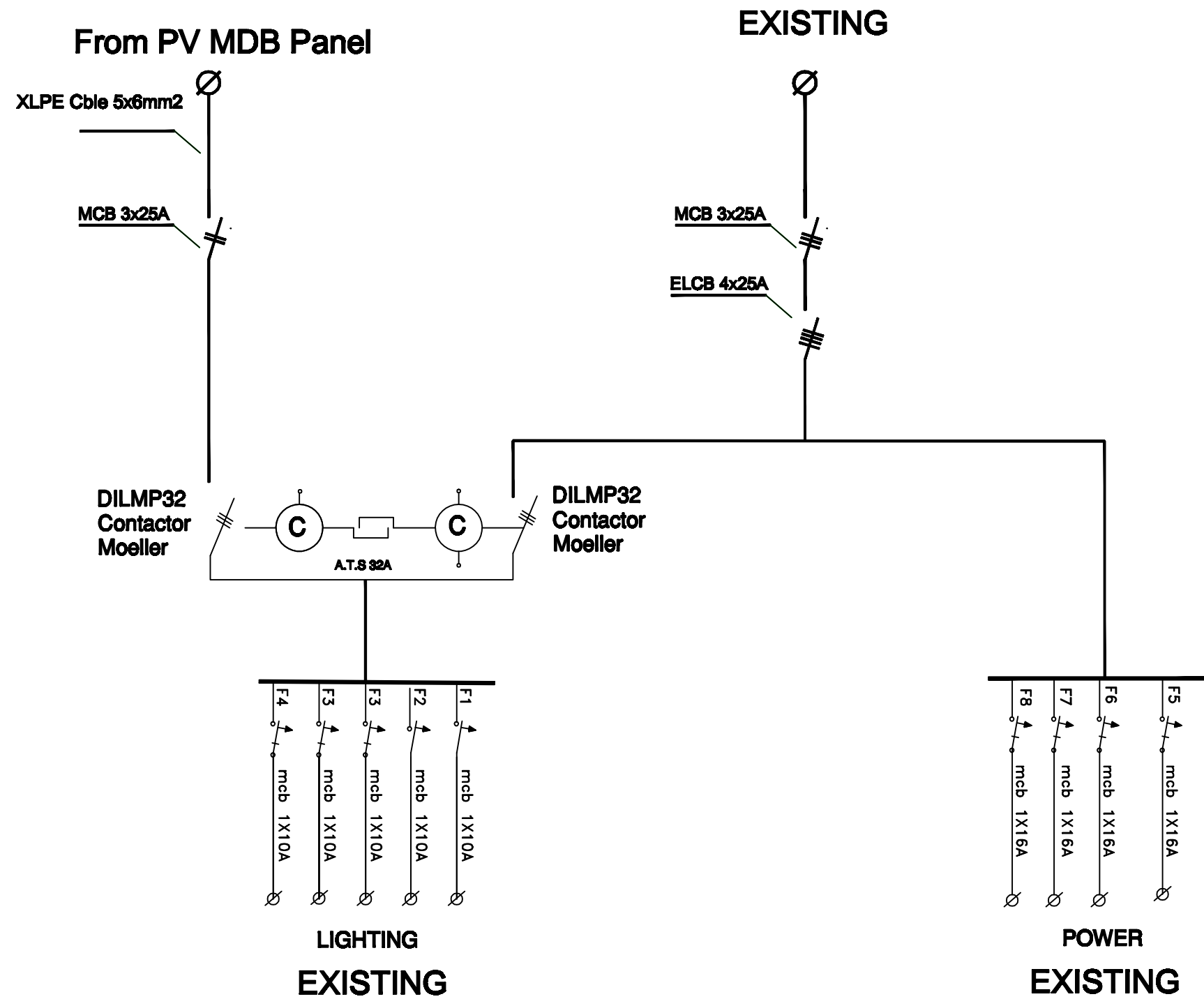
Designed	ENG. ALAA SHALABY
Checked	UNDP
Approved	UNDP

Project Name
RIGHT TO EDUCATION

School name
Al Karmel Secondary Boys Schools

Drawing name
PV AC MDB PANEL

Scale	Drawing No.
To/From	E 07



NOTES:

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Designed	ENG. ALAA SHALABY
Checked	UNDP
Approved	UNDP

Project Name
RIGHT TO EDUCATION

School name
Al Karmel Secondary Boys Schools

Drawing name
SDS PANEL DIAGRAM

Scale	Drawing No.
To/From	E 08

NOTES:

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Al Falkhoora Programme

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Programme of Assistance to the Palestinian People

Designed	ENG. ALAA SHALABY
Checked	UNDP
Approved	UNDP

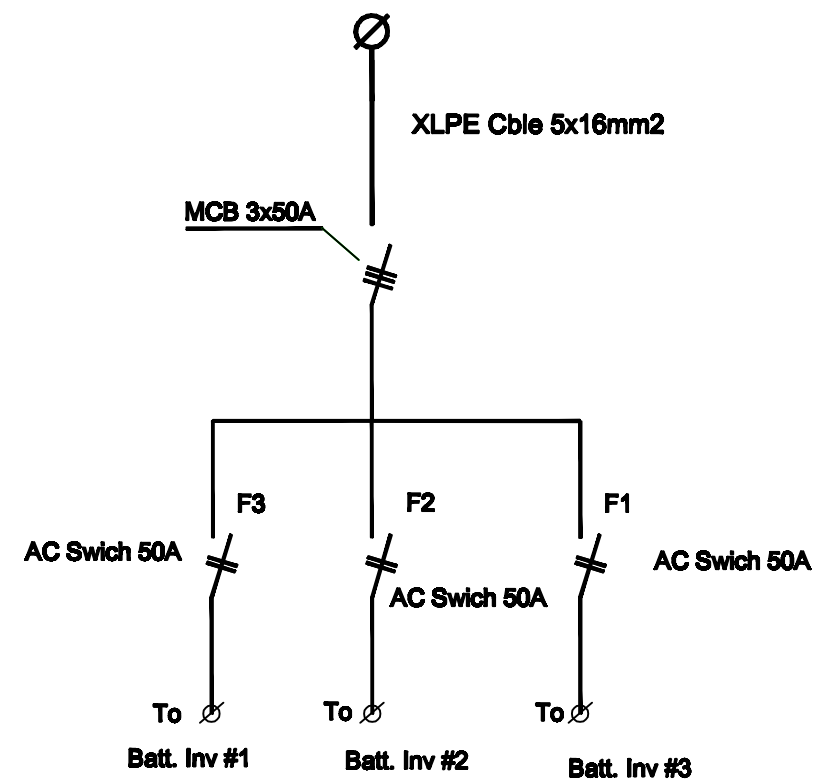
Project Name
RIGHT TO EDUCATION

School name
Al Karmel Secondary Boys Schools

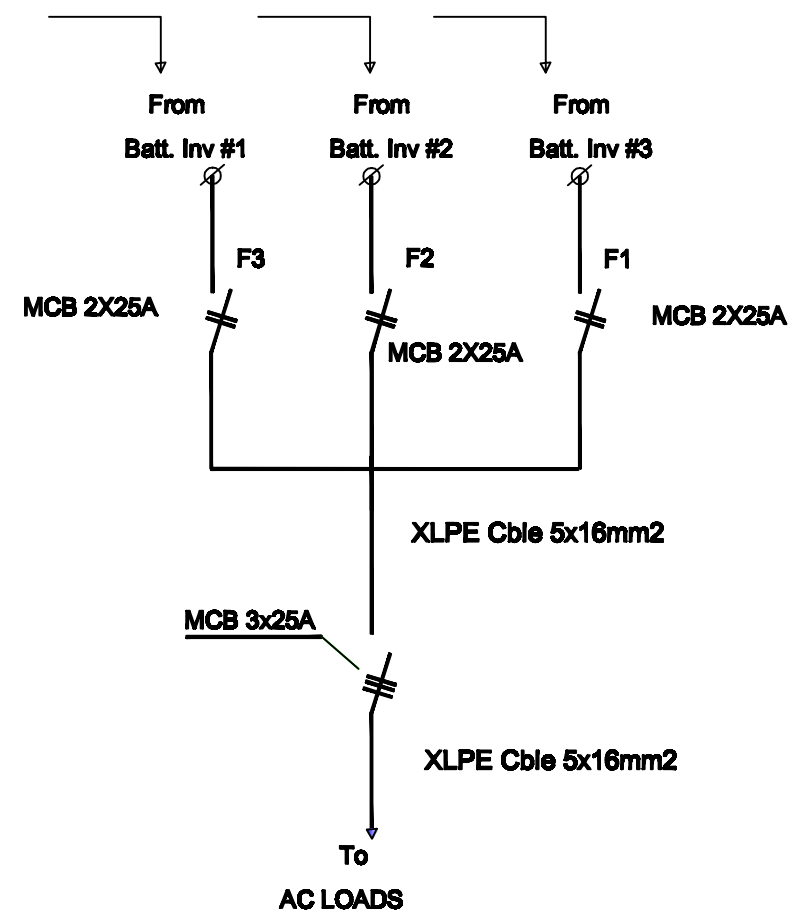
Drawing name
AC OUT & AC IN

Scale	Drawing No.
To/From	E 09

AC IN FOR CHARGING



AC IN PANEL



AC OUT PANEL