



*Empowered lives.
Resilient nations.*

**KINGDOM OF SAUDI ARABIA
THE SAUDI FUND FOR DEVELOPMENT (SFD)**

ITB -2017- 171

Drawings

Project name: Reconstruction, Furniture and Equipping of Three Schools

**Photovoltaic Solar System for Holly Family School and the Greek Orthodox
Patriarchate School
PAL10- 00099288**

Funded By :
Kingdom of Saudi Arabia
Through The Saudi Fund For Development (SFD)

Implemented By
United Nations Relief And Works Agency (UNRWA)
Through the United Nations Development Programme (UNDP/PAPP)



*Empowered lives.
Resilient nations.*

**KINGDOM OF SAUDI ARABIA
THE SAUDI FUND FOR DEVELOPMENT (SFD)**

ITB -2017- 171

Lot 01: Photovoltaic Solar System for the Holly Family School

Drawings



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Resilient nations.

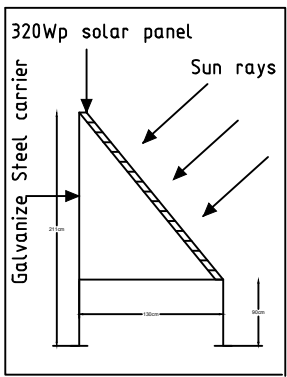
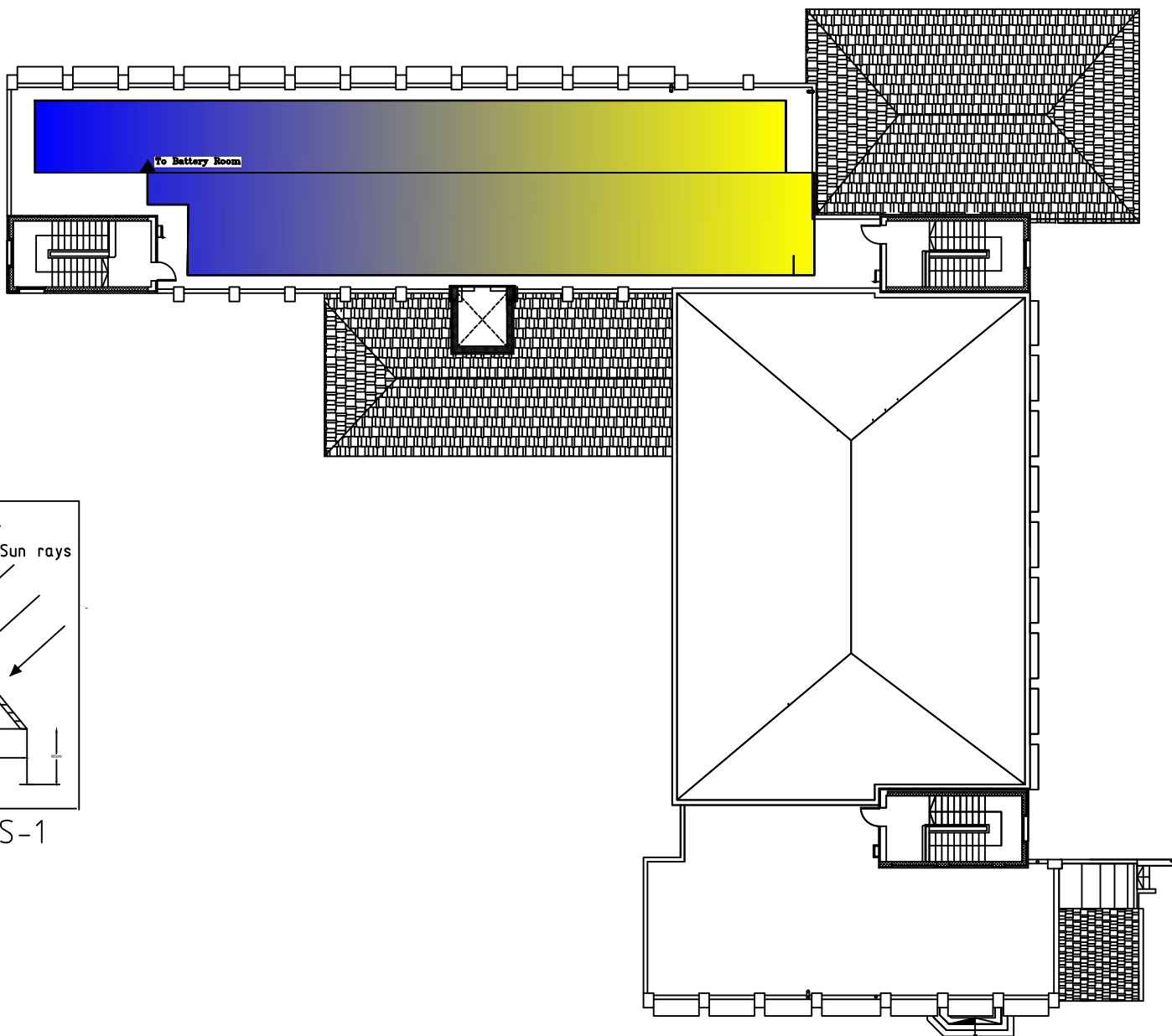
Project name: Reconstruction, Furniture and Equipping of Three Schools

Photovoltaic Solar System for the Holly Family School
PAL10-00099288 - LOT 01

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Reconstruction,Furniture and Equipping of Three Schools								
Photovoltaic Solar System for the Holly Family School (PAL10-00099288)								
CLIENT								
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FUNDED BY								
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			Through The Saudi Fund For Development (SFD)					
Implemented By								
			United Nations Relief And Works Agency (UNRWA)					
			United Nations Development Programme (UNDP/PAPP)					
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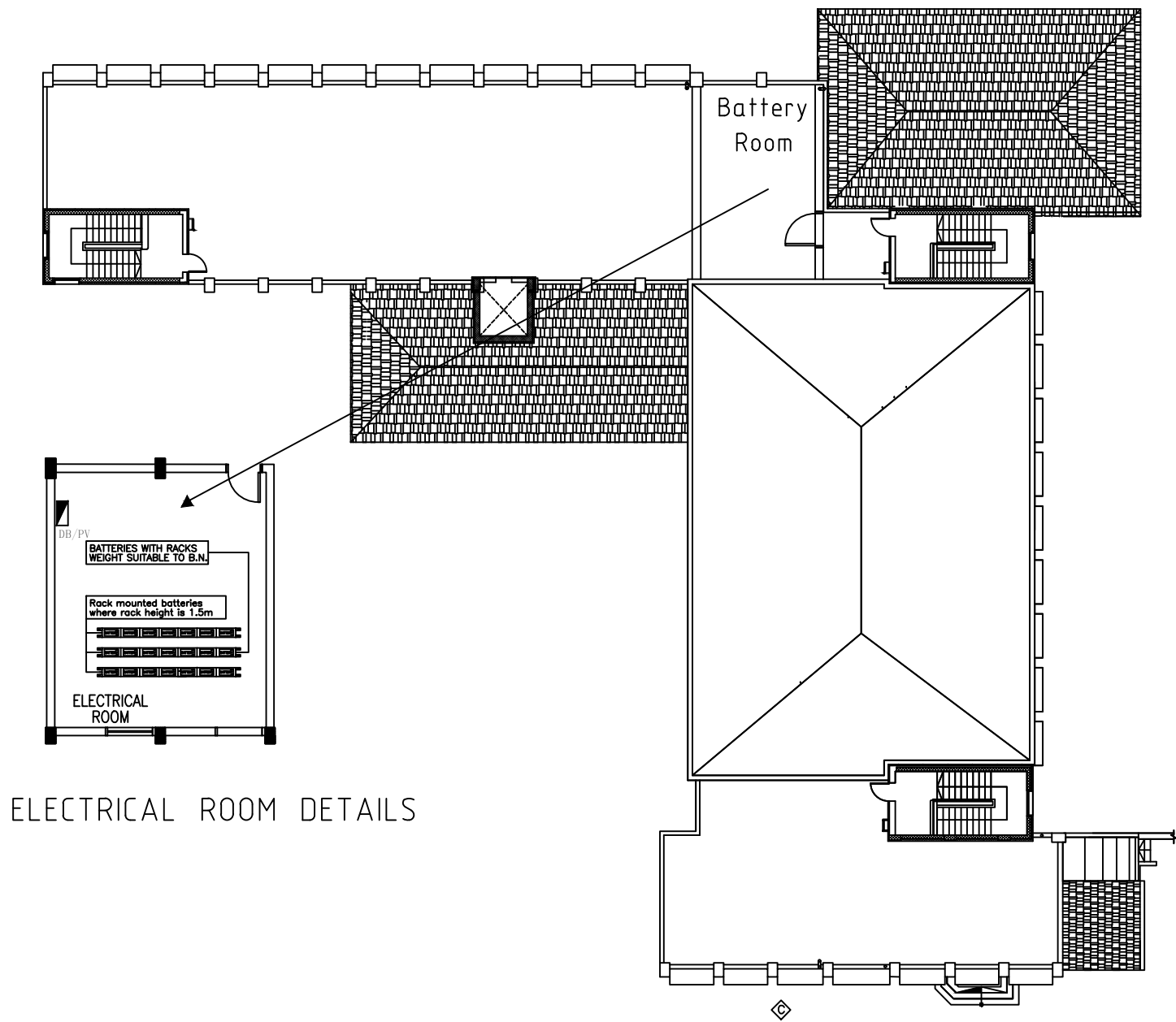
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CLIENT HOLY FAMILY SCHOOL							
FUNDED BY  Kingdom of Saudi Arabia  Through The Saudi Fund For Development (SFD)							
Implemented By  United Nations Relief And Works Agency (UNRWA)  United Nations Development Programme (UNDP/PAPF)							
CONSULTANT  TECHNICAL ENGINEERING CONSULTING COMPANY							
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DETAILS-1

PV Cells -Roof Top Layout

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Reconstruction,Furniture and Equipping of Three Schools							
Photovoltaic Solar System for the Holly Family School (PAL10-00099288)							
<u>CLIENT</u>							
HOLY FAMILY SCHOOL							
<u>FUNDED BY</u>							
		Kingdom of Saudi Arabia					
		Through The Saudi Fund For Development (SFD)					
<u>Implemented By</u>							
		United Nations Relief And Works Agency (UNRWA)					
		United Nations Development Programme (UNDP/PAPP)					
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		TECHNICAL ENGINEERING CONSULTING COMPANY					
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ELECTRICAL ROOM DETAILS

Battery Room Layout

GRAPHIC SCALE 0 1 2 3 4

NO	DATE	ENG	REVISIONS

PROJECT TITLE
Reconstruction, Furniture and
Equipping of Three Schools
Photovoltaic Solar System for the
Holly Family School
(PAL10-00099288)

CLIENT
HOLY FAMILY SCHOOL

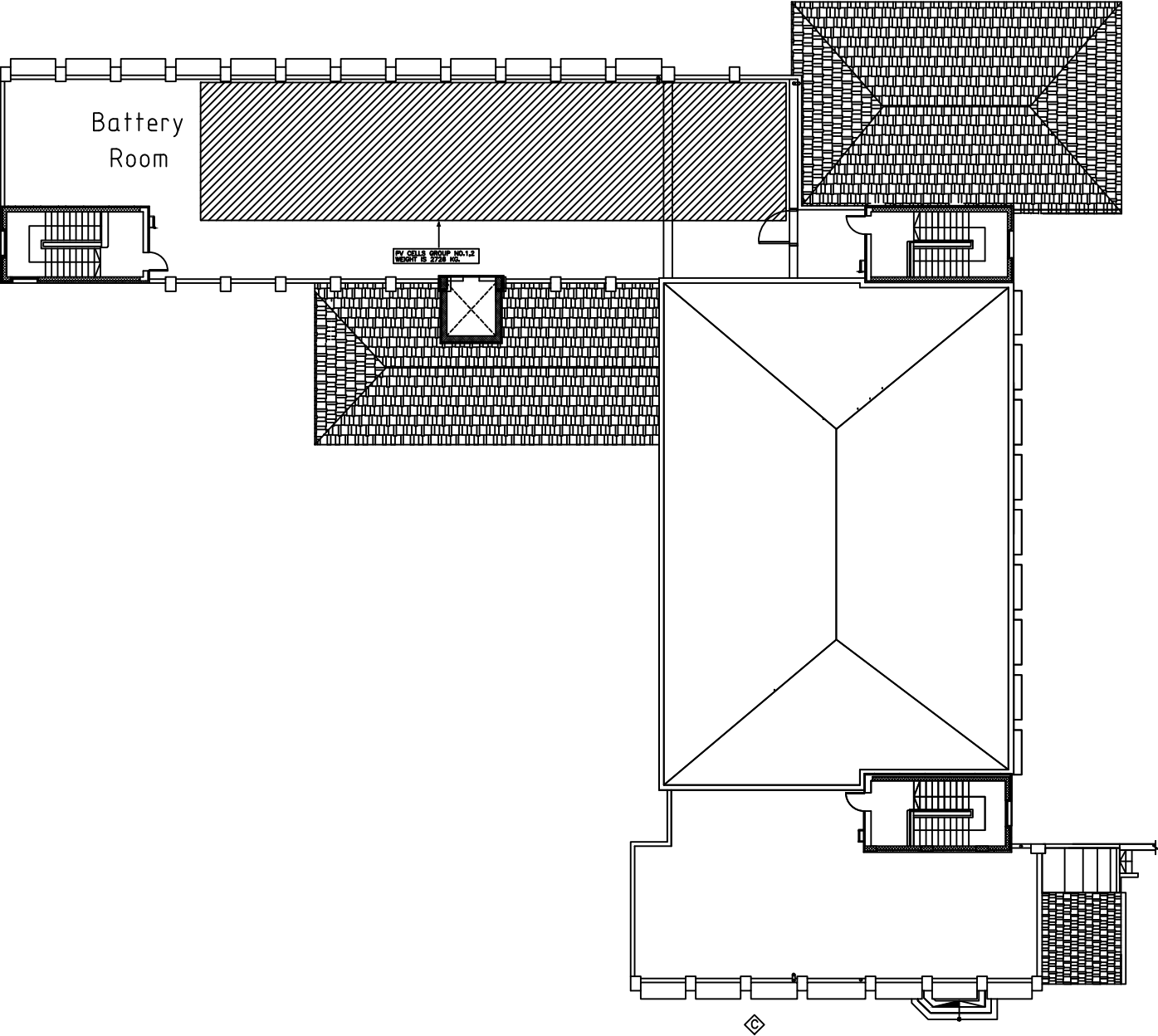
FUNDED BY
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Implemented By
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 United Nations Development
Programme (UNDP/PAPP)

CONSULTANT
 TECHNICAL ENGINEERING
CONSULTING COMPANY

DRAWING TITLE
Battery Room Layout

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Weights of PV solar System Equipment

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Reconstruction,Furniture and Equipping of Three Schools							
Photovoltaic Solar System for the Holly Family School (PAL10-00099288)							
CLIENT							
HOLY FAMILY SCHOOL							
FUNDED BY							
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Implemented By							
			United Nations Relief And Works Agency (UNRWA)				
			United Nations Development Programme (UNDP/PAPP)				
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HOLY FAMILY SCHOOL
ELECTRICAL DRAWINGS

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NO	DATE	ENG	REVISIONS

PROJECT TITLE
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Photovoltaic Solar System for the
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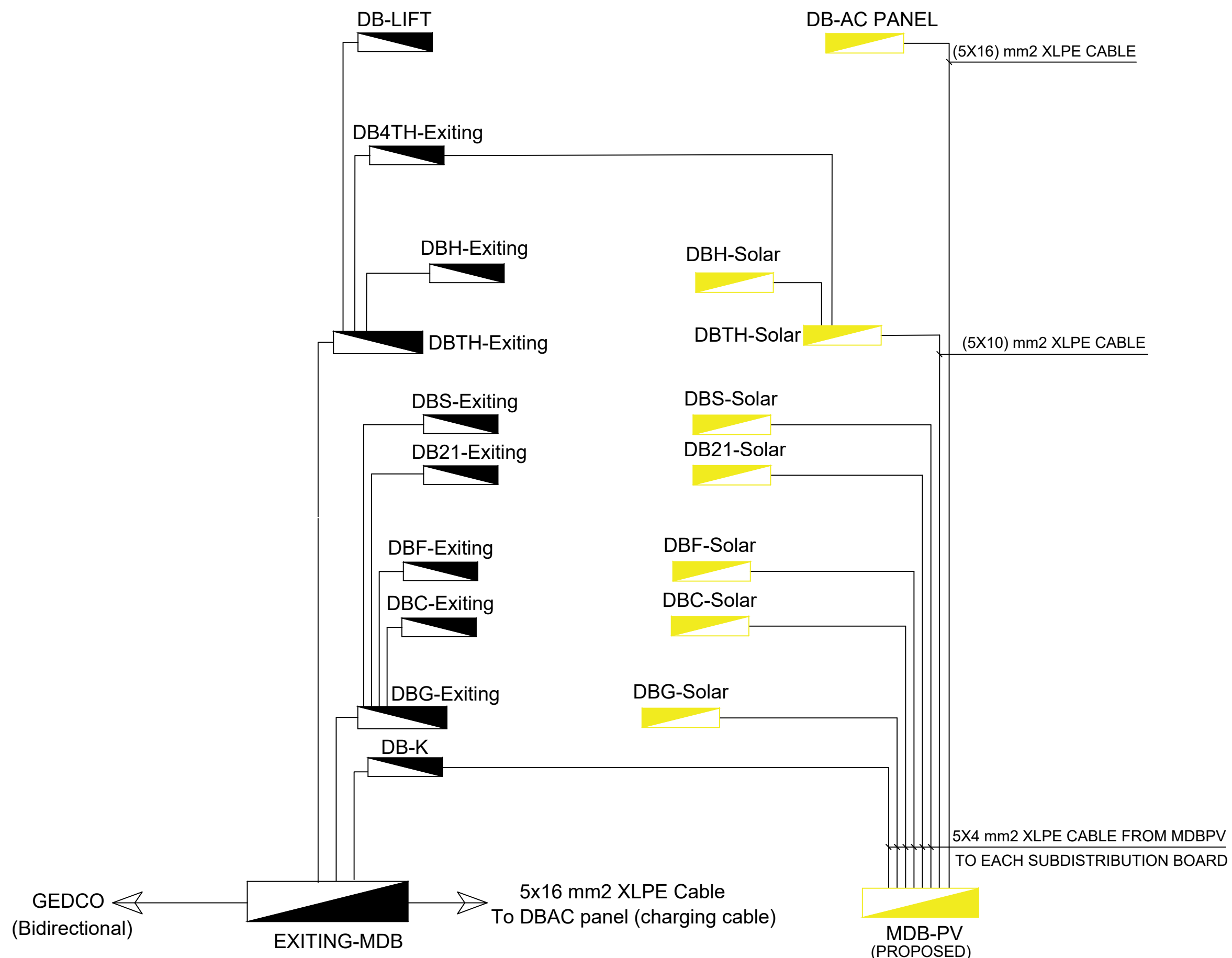
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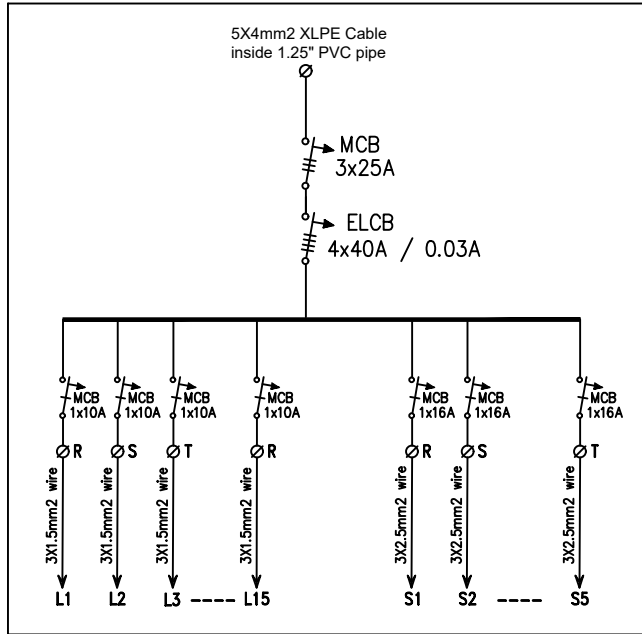
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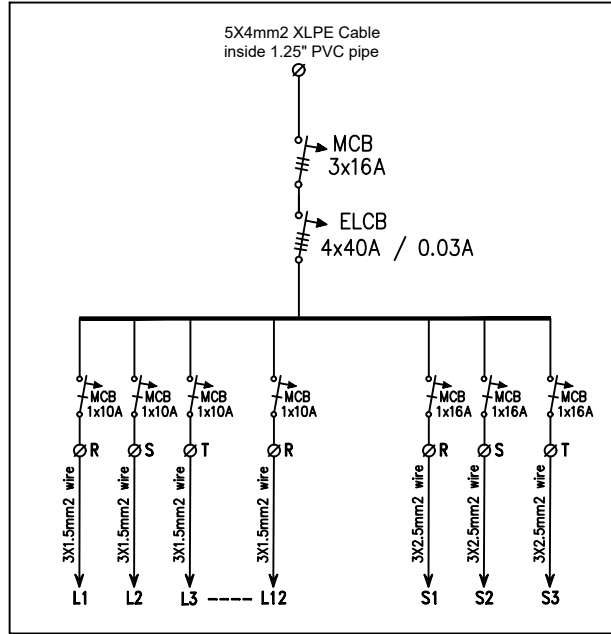
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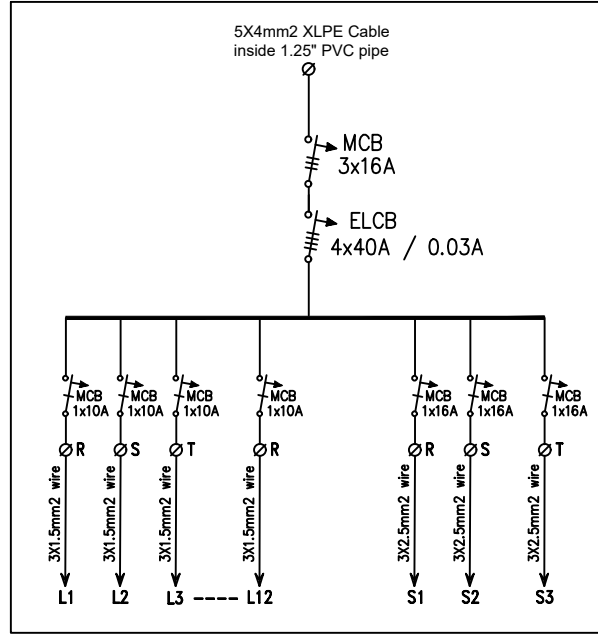
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Photovoltaic Solar System for the Holly Family School (PAL10-00099288)			
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HOLY FAMILY SCHOOL			
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 United Nations Development Programme (UNDP/PAPP)			
CONSULTANT			
 TECHNICAL ENGINEERING CONSULTING COMPANY			
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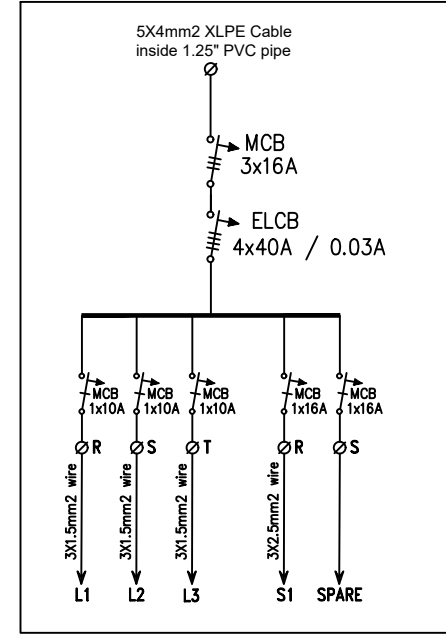
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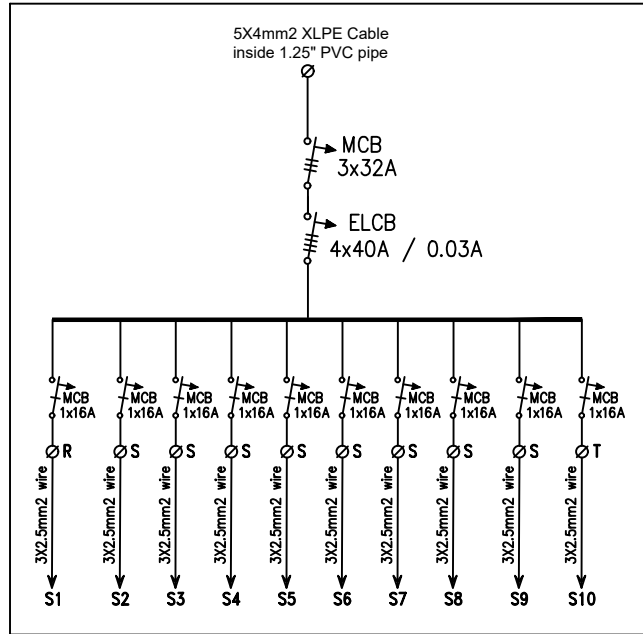
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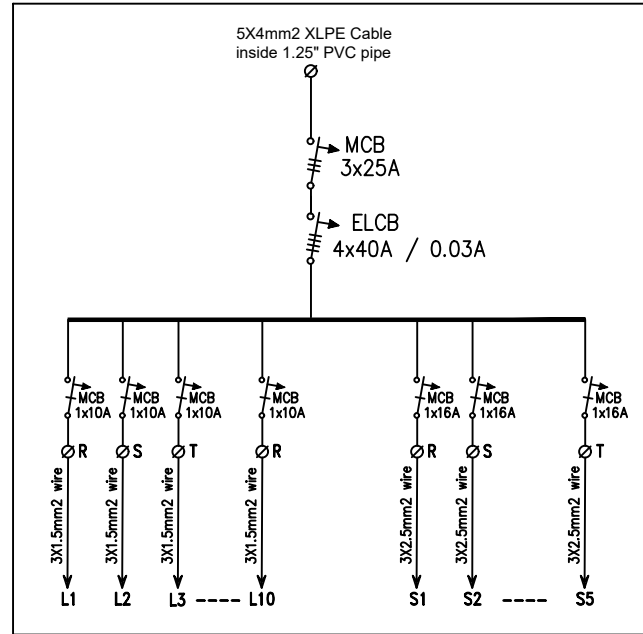
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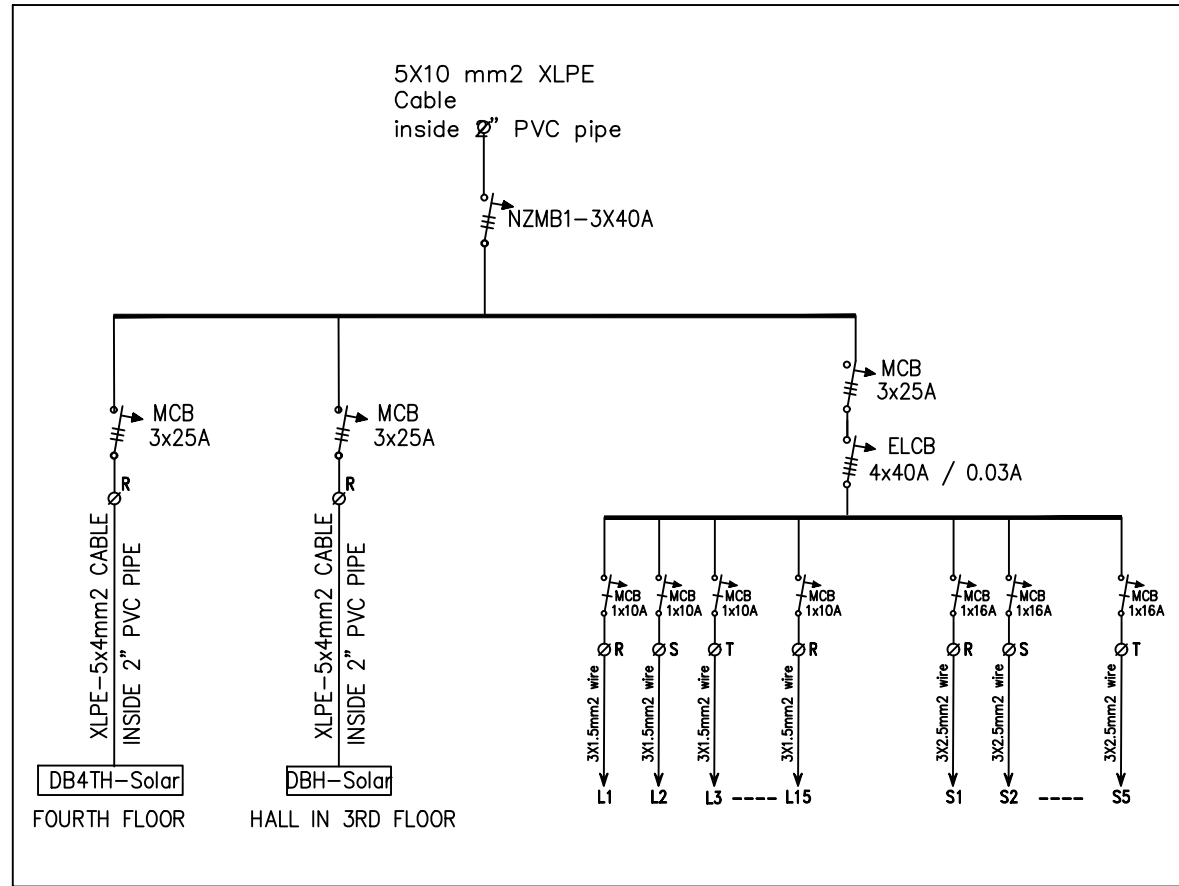
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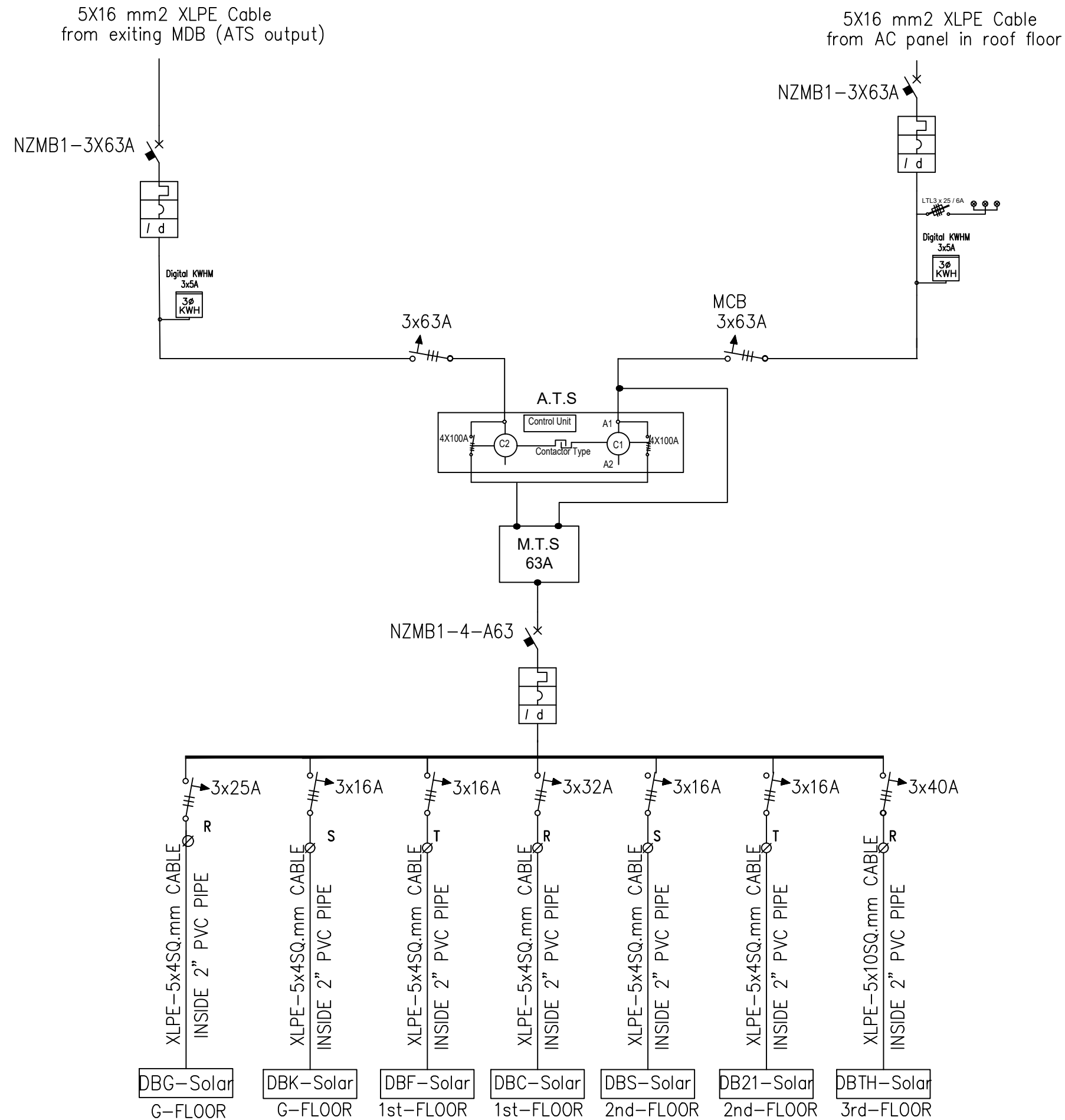


SUB-DISTRIBUTION BOARD DBH-SOLAR
HALL IN THIRD FLOOR



SUB-DISTRIBUTION BOARD DBTH-SOLAR
IN THIRD FLOOR

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PROJECT TITLE
Reconstruction, Furniture and
Equipping of Three Schools
Photovoltaic Solar System for the
Holly Family School
(PAL10-00099288)

CLIENT
HOLY FAMILY SCHOOL

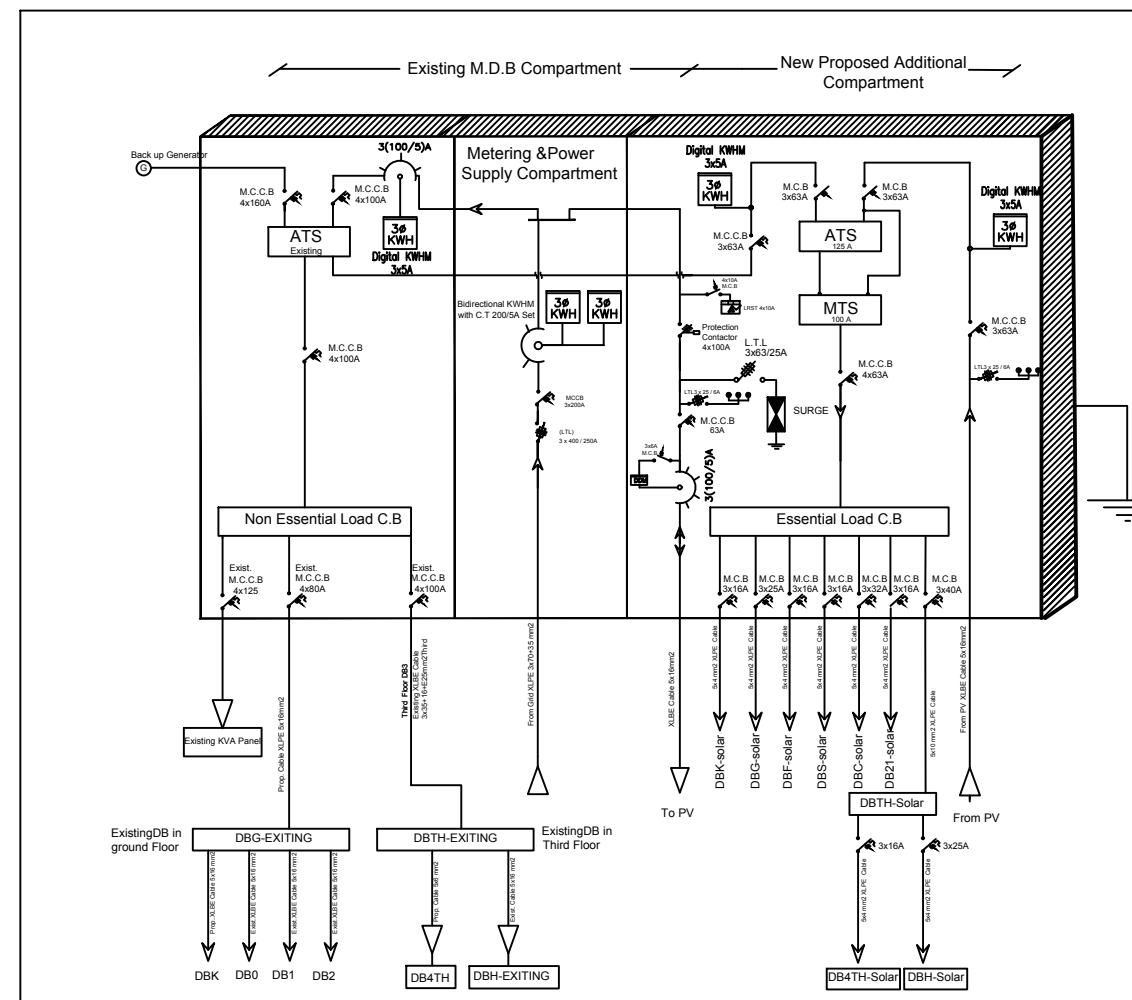
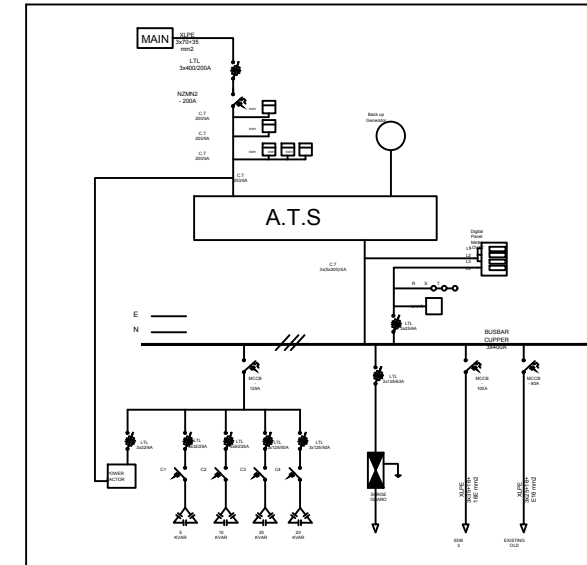
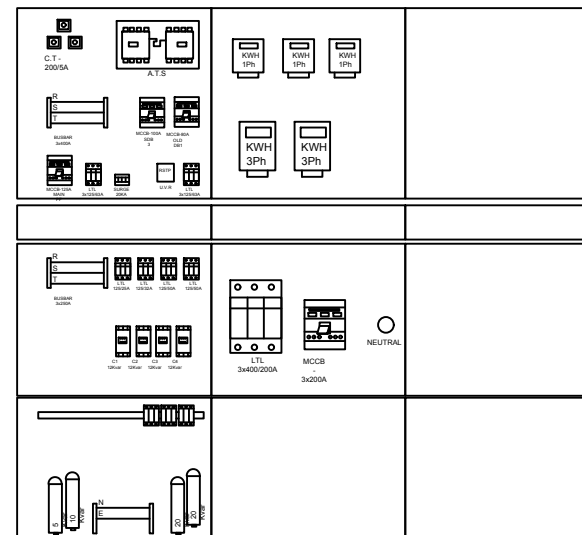
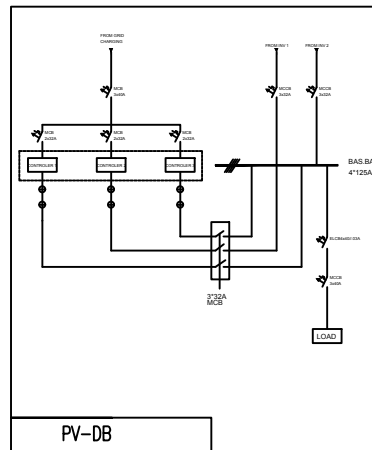
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CONSULTANT
 TECHNICAL ENGINEERING
CONSULTING COMPANY

DRAWING TITLE
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MODIFIED MAIN DISTRIBUTION BOARD

GRAPHIC SCALE			
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NO	DATE	ENG	REVISIONS
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PROJECT TITLE

**Reconstruction, Furniture and
Equipping of Three Schools**

**Photovoltaic Solar System for the
Holly Family School**

(PAL10-00099288)

CLIENT

HOLY FAMILY SCHOOL

FUNDED BY



Implemented By



CONSULTANT



<u>DRAWING TITLE</u>
MODIFIED MAIN DISTRIBUTION BOARD

PREPARED BY TECC	SCALE 1:100	DRAWING NO. E 09
CHECKED BY TECC	APPROVED BY UNDP	
DRAWN BY TECC	DATE	
		SERIAL NO.



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Resilient nations.*

**KINGDOM OF SAUDI ARABIA
THE SAUDI FUND FOR DEVELOPMENT (SFD)**

ITB -2017- 171

Lot 02: Photovoltaic Solar System for the Greek Orthodox Patriarchate School

Drawings



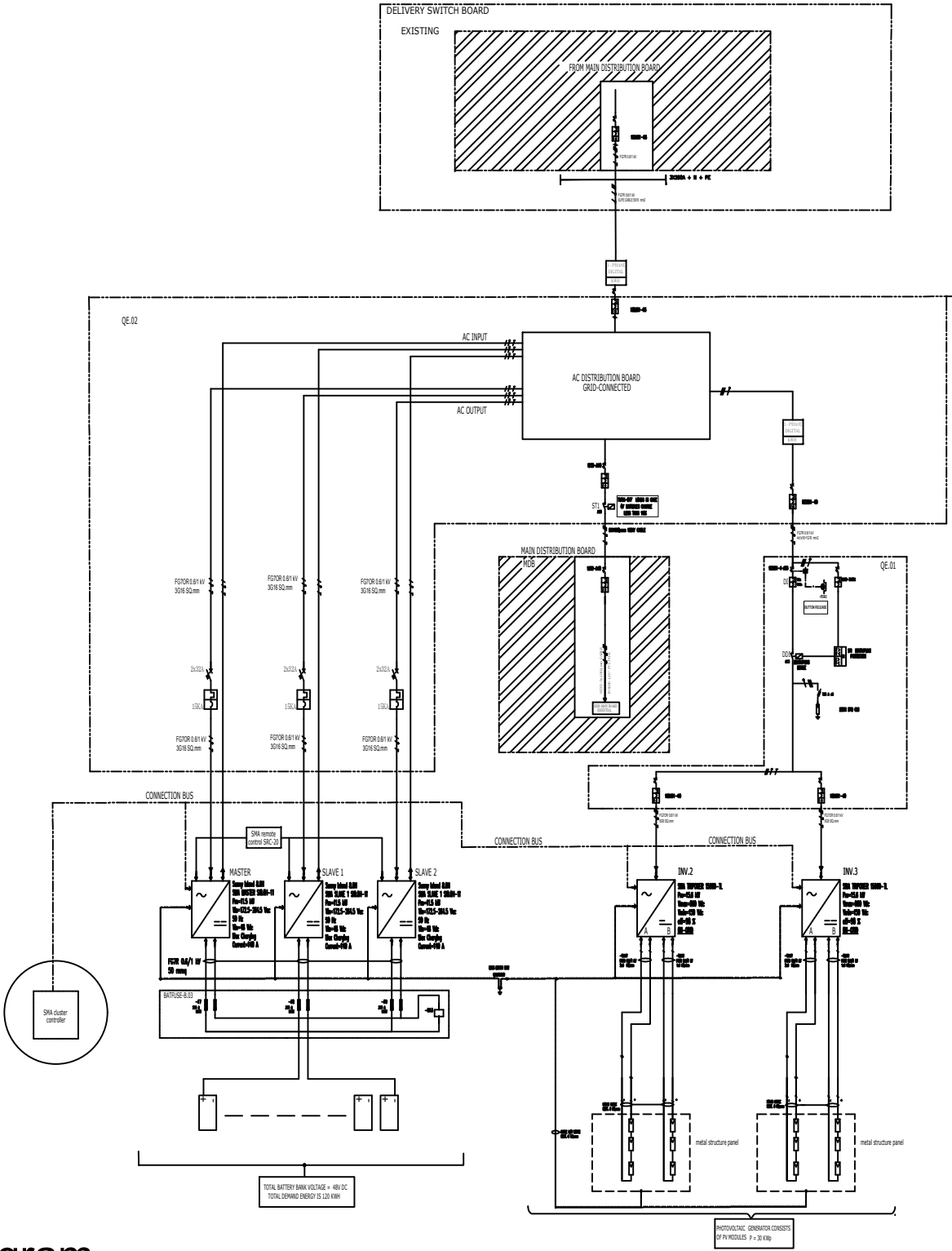
Project name: Reconstruction, Furniture and Equipping of Three Schools

Photovoltaic Solar System for the Greek Orthodox Patriarchate School
PAL10- 00099288

2017

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Greek Orthodox Patriarchate School		
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CONSULTANT		
	TECHNICAL ENGINEERING CONSULTING COMPANY	
DRAWING TITLE		
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DRAWN BY	DATE	
TECC	August 2016	

Solar System Single line Diagram



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NO	DATE	ENG	REVISIONS

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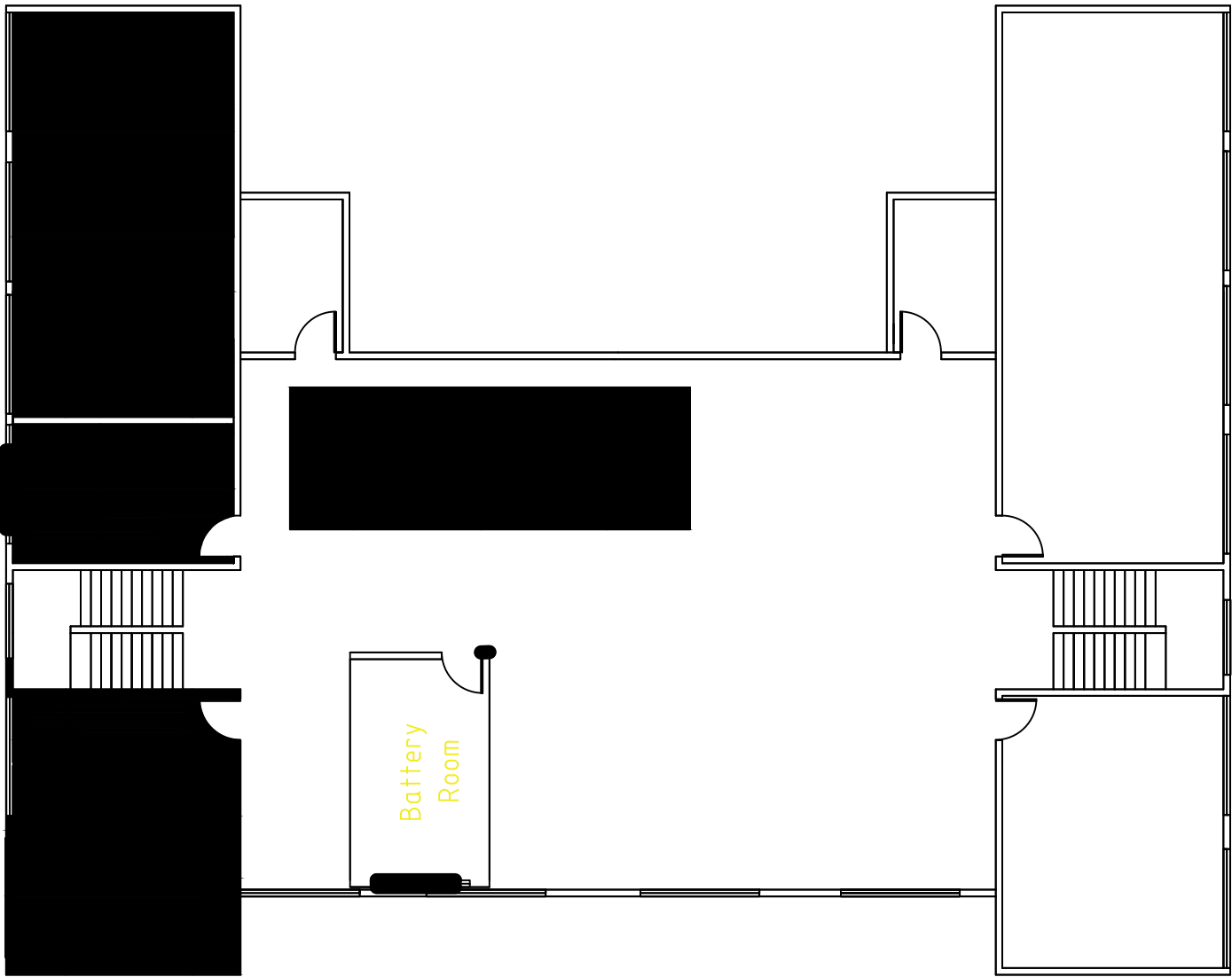
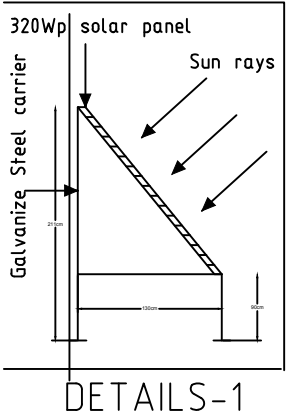
CLIENT
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CONSULTANT
 TECHNICAL ENGINEERING
CONSULTING COMPANY

DRAWING TITLE			
Solar System Single line Diagram			
PREPARED BY	SCALE	DRAWING NO.	
TECC	1:100	E01	
CHECKED BY	APPROVED BY	SERIAL NO.	
TECC	UNDP		
DRAWN BY	DATE		
TECC	August 2016		



PV Cells -Roof Top Layout

GRAPHIC SCALE 0 1 2 3 4

NO DATE ENG REVISIONS

PROJECT TITLE

Reconstruction,Furniture and
Equipping of Three Schools
Photovoltaic Solar System for the
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FUNDED BY



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Implemented By



United Nations Relief And
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United Nations Development
Programme (UNDP/PAPP)

CONSULTANT

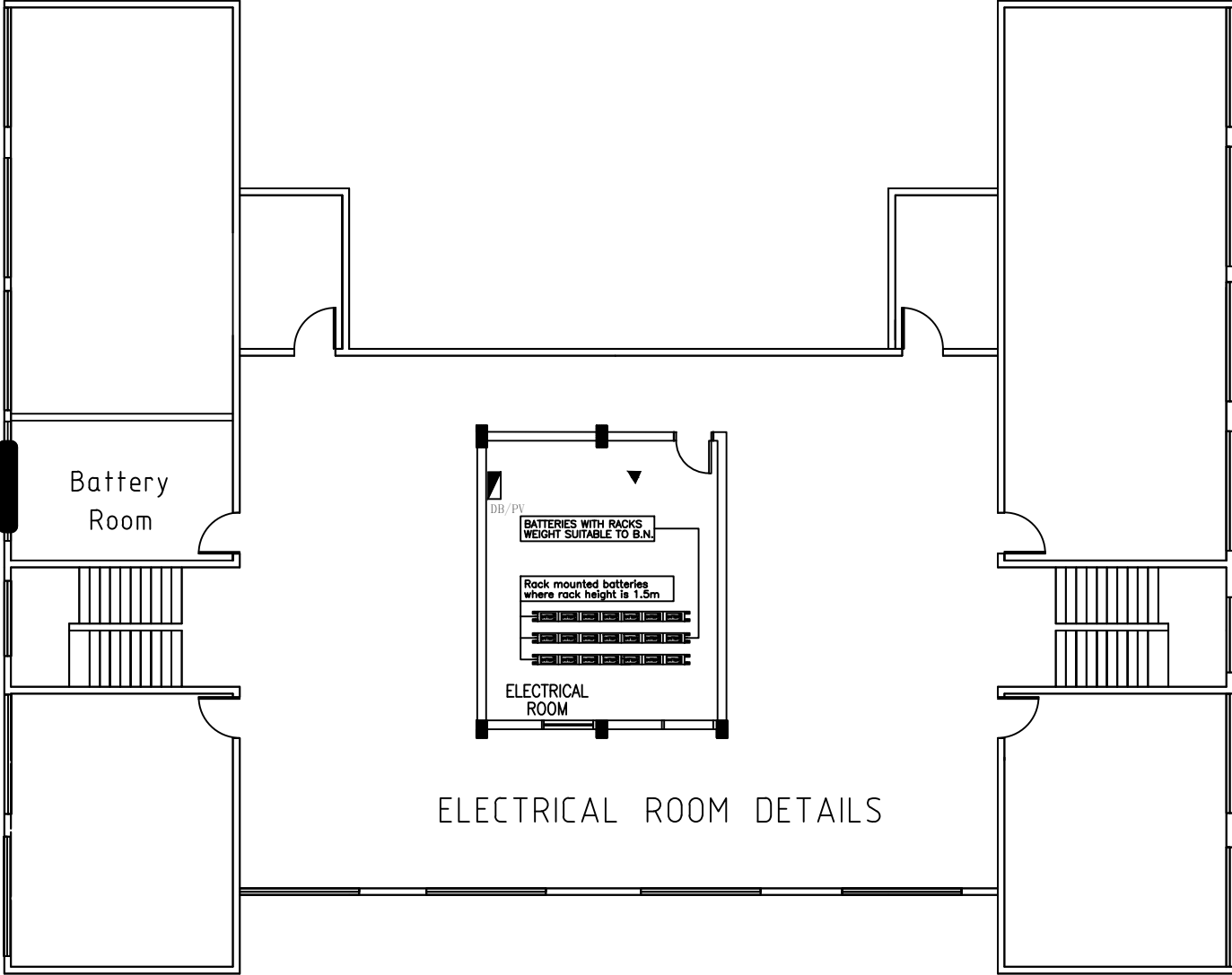


TECHNICAL ENGINEERING
CONSULTING COMPANY

DRAWING TITLE

DRAWING TITLE :
PV Cells -Roof Top Layout

PREPARED BY TECC	SCALE 1:100	DRAWING NO. E02
CHECKED BY TECC	APPROVED BY UNDP	SERIAL NO.
DRAWN BY TECC	DATE August 2016	



ELECTRICAL ROOM DETAILS

Battery Room Layout

GRAPHIC SCALE

01234

NO	DATE	ENG	REVISIONS

PROJECT TITLE

Reconstruction,Furniture and
Equipping of Three Schools

Photovoltaic Solar System for the
Greek Orthodox Patriarchate School
(PAL10-00099288)

CLIENT

Greek Orthodox Patriarchate School

FUNDED BY

Kingdom of Saudi Arabia
Through The Saudi Fund
For Development (SFD)

Implemented By

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United Nations Development
Programme (UNDP/PAPP)

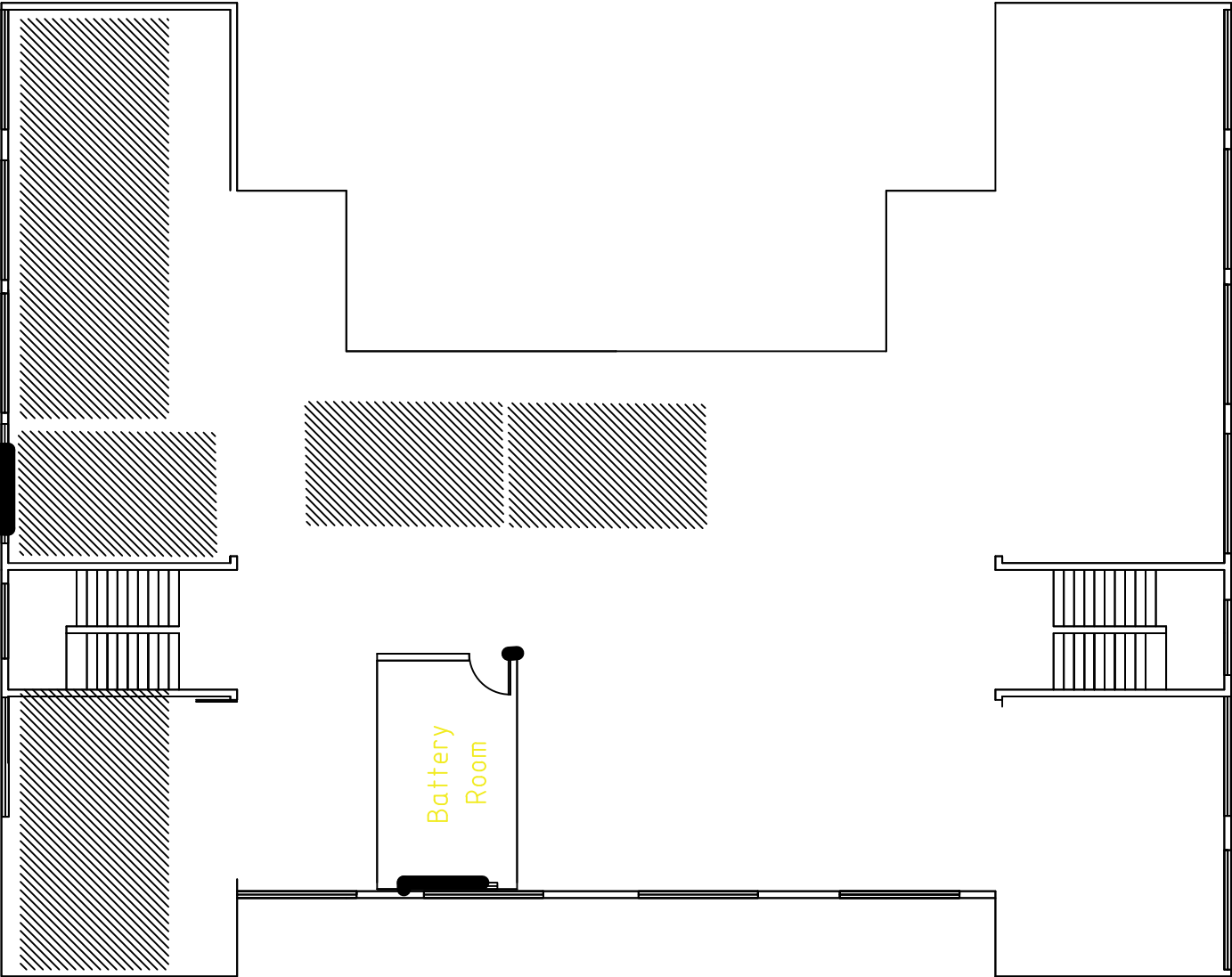
CONSULTANT

TECHNICAL ENGINEERING
CONSULTING COMPANY

DRAWING TITLE

DRAWING TITLE :
Battery Room Layout

PREPARED BY	SCALE	DRAWING NO.
TECC	1:100	E03
CHECKED BY	APPROVED BY	SERIAL NO.
TECC	UNDP	
DRAWN BY	DATE	
TECC	August 2016	



Weights of PV solar System Equipment

GRAPHIC SCALE 0 1 2 3 4

NO	DATE	ENG	REVISIONS

PROJECT TITLE
Reconstruction,Furniture and
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CLIENT
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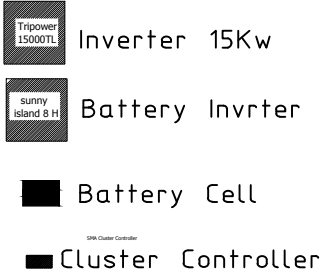
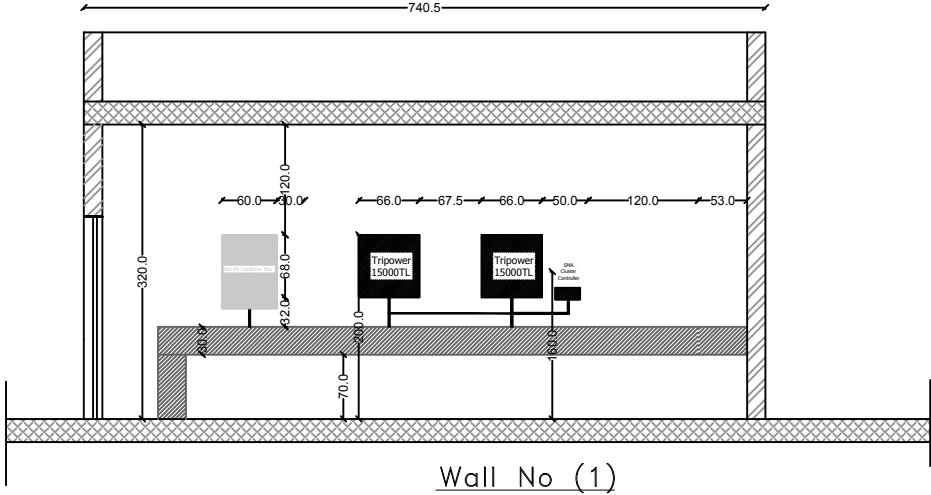
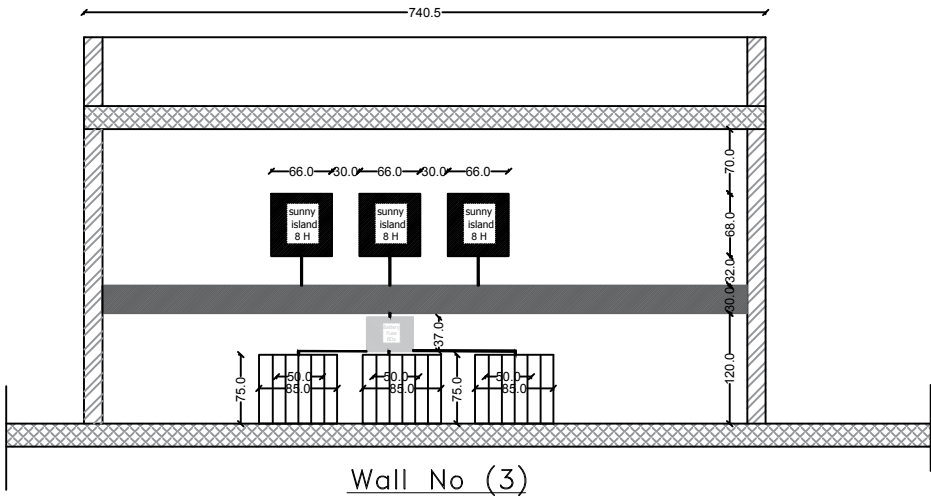
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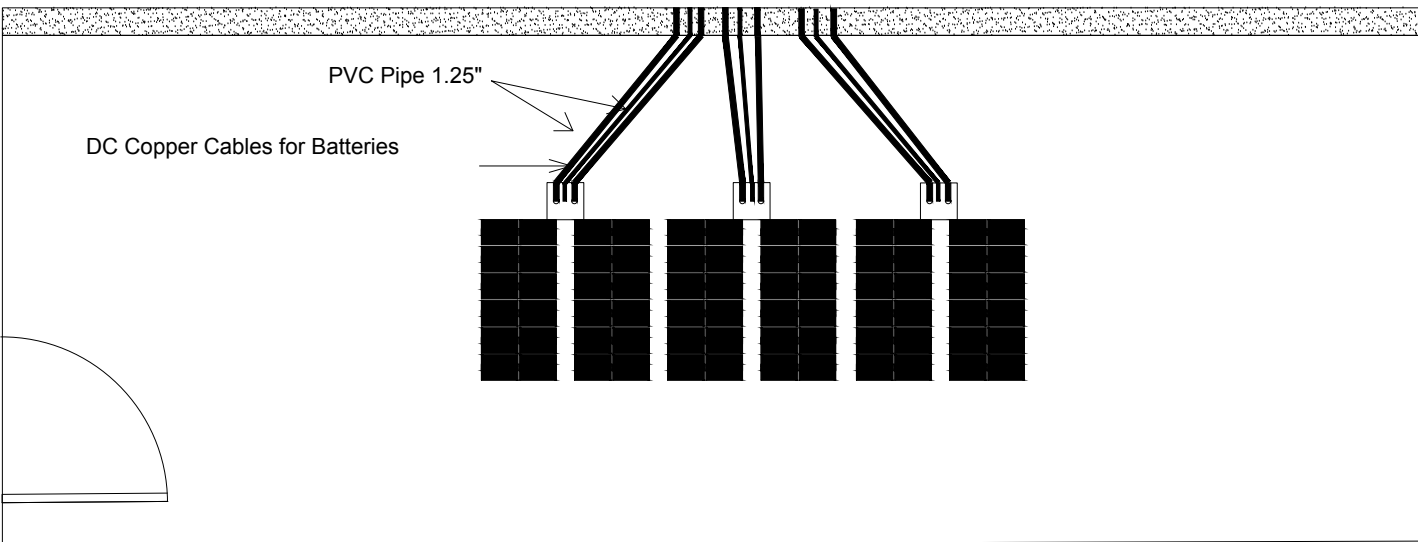
DRAWING TITLE
Weights of PV solar System Equipment

PREPARED BY	SCALE	DRAWING NO.
TECC	1:100	E04
CHECKED BY	APPROVED BY	SERIAL NO.
TECC	UNDP	
DRAWN BY	DATE	
TECC	August 2016	

SHOP DRAWING



FUNDED BY:



Top View

FOR THE BATTERY BANKS

GRAPHIC SCALE

NO	DATE	ENG	REVISIONS

PROJECT TITLE

**Reconstruction, Furniture and
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**Photovoltaic Solar System for the
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(PAL10-00099288)

CLIENT

Greek Orthodox Patriarchate School

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CONSULTANT



**TECHNICAL ENGINEERING
CONSULTING COMPANY**

DRAWING TITLE

PV Solar System Room layout

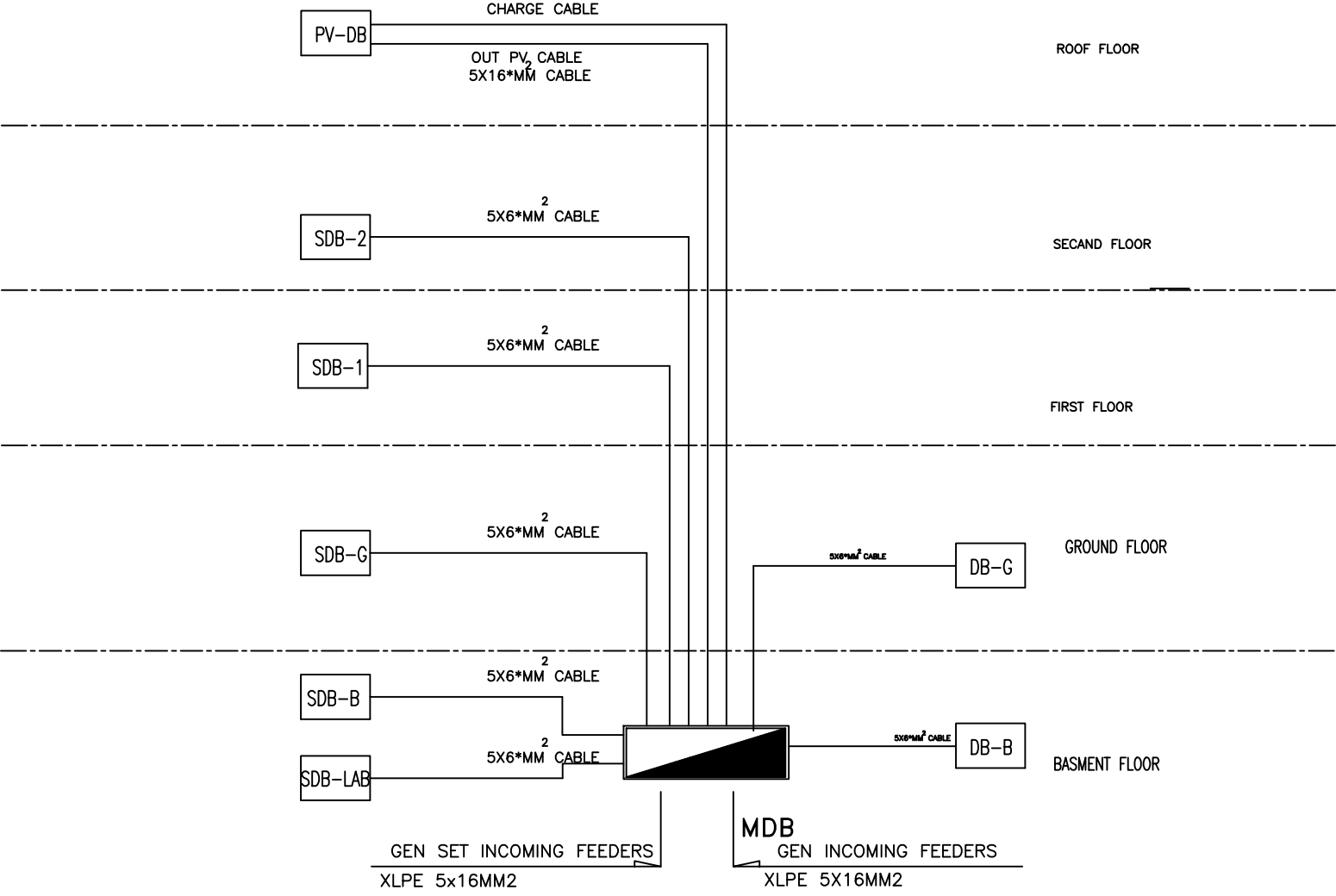
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CHECKED BY TECC	APPROVED BY UNDP	
DRAWN BY TECC	DATE August 2016	SERIAL NO.



GREEK ORTHODOX SCHOOL ELECTRICAL DRAWINGS

2017

GRAPHIC SCALE		
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NO	DATE	ENG
REVISIONS		
PROJECT TITLE		
Reconstruction,Furniture and Equipping of Three Schools		
Photovoltaic Solar System for the Greek Orthodox Patriarchate School (PAL10-00099288)		
CLIENT		
Greek Orthodox Patriarchate School		
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	United Nations Relief And Works Agency (UNRWA)	
	United Nations Development Programme (UNDP/PAPP)	
CONSULTANT		
	TECHNICAL ENGINEERING CONSULTING COMPANY	
DRAWING TITLE		
DRAWING TITLE :		
PREPARED BY	SCALE	DRAWING NO.
TECC	1:100	E00
CHECKED BY	APPROVED BY	SERIAL NO.
TECC	UNDP	
DRAWN BY	DATE	
TECC	August 2016	



GRAPHIC SCALE			
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PROJECT TITLE
Reconstruction,Furniture and
Equipping of Three Schools
Photovoltaic Solar System for the
Greek Orthodox Patriarchate School
(PAL10-00099288)

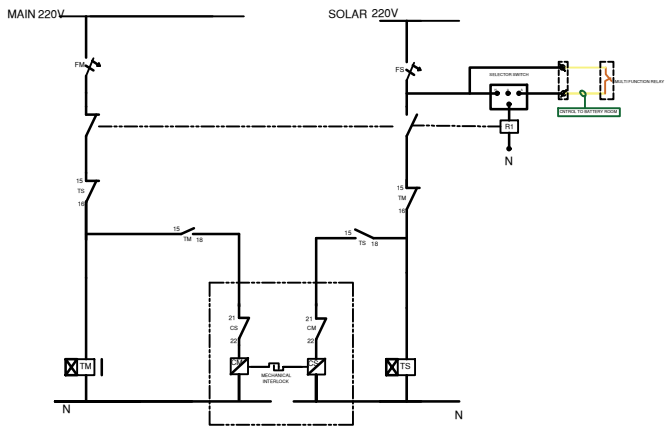
CLIENT
Greek Orthodox Patriarchate School

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Works Agency (UNRWA)
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CONSULTANT
 TECHNICAL ENGINEERING
CONSULTING COMPANY

DRAWING TITLE		
DRAWING TITLE : Distribution Boards Riser Layout		
PREPARED BY TECC	SCALE 1:100	DRAWING NO. E05
CHECKED BY TECC	APPROVED BY UNDP	
DRAWN BY TECC	DATE August 2016	SERIAL NO.



GRAPHIC SCALE		
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NO	DATE	ENG REVISIONS

PROJECT TITLE
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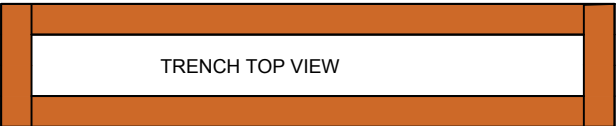
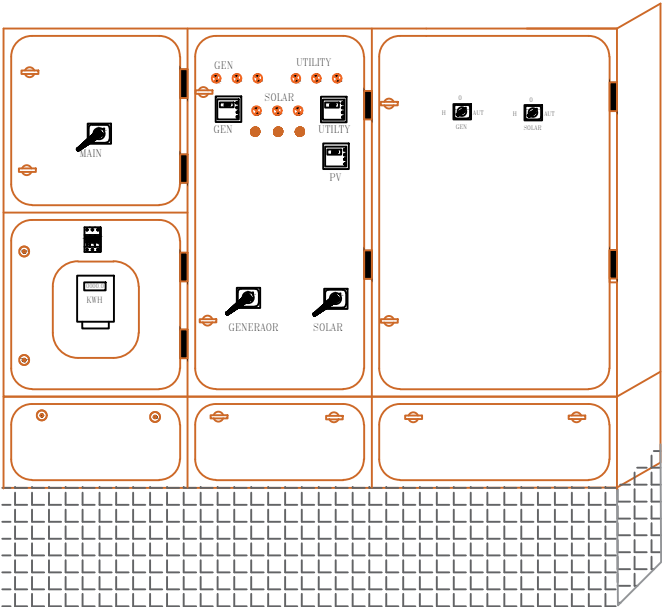
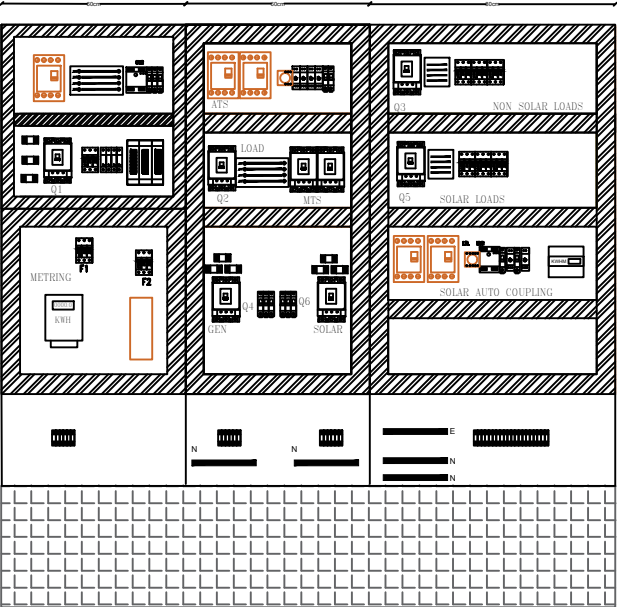
**United Nations Development
Programme (UNDP/PAPP)**

CONSULTANT

 **TECHNICAL ENGINEERING
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DRAWING TITLE
DRAWING TITLE :
PV - Main Distribution Board Layout

PREPARED BY TECC	SCALE 1:100	DRAWING NO. E06
CHECKED BY TECC	APPROVED BY UNDP	SERIAL NO.
DRAWN BY TECC	DATE August 2016	



GRAPHIC SCALE			
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4			
NO	DATE	ENG	REVISIONS

PROJECT TITLE
Reconstruction,Furniture and
Equipping of Three Schools
Photovoltaic Solar System for the
Greek Orthodox Patriarchate School
(PAL10-00099288)

CLIENT
Greek Orthodox Patriarchate School

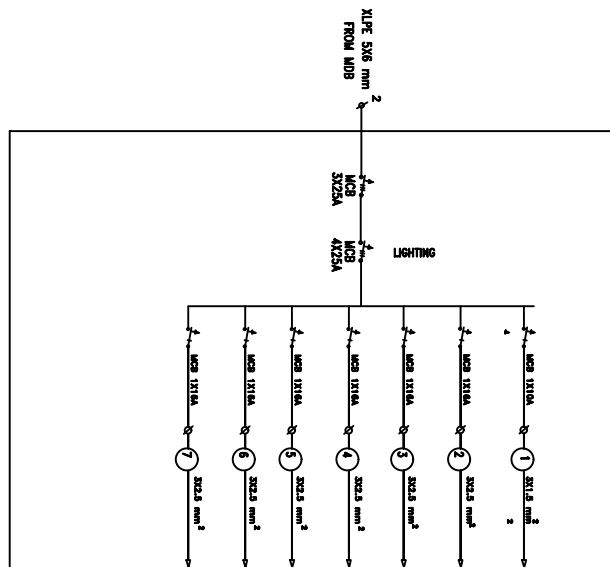
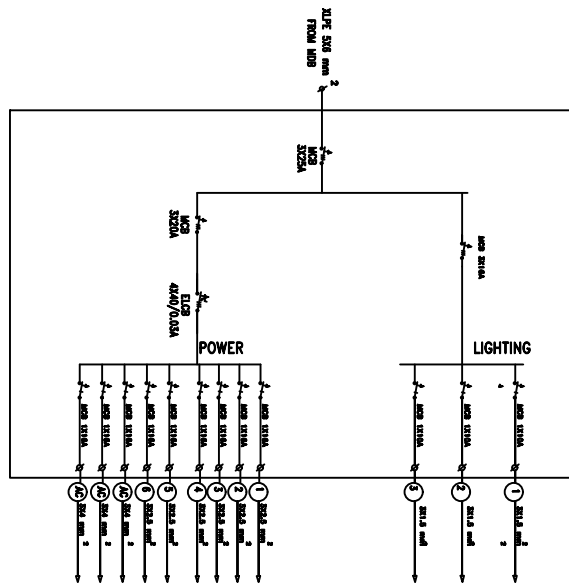
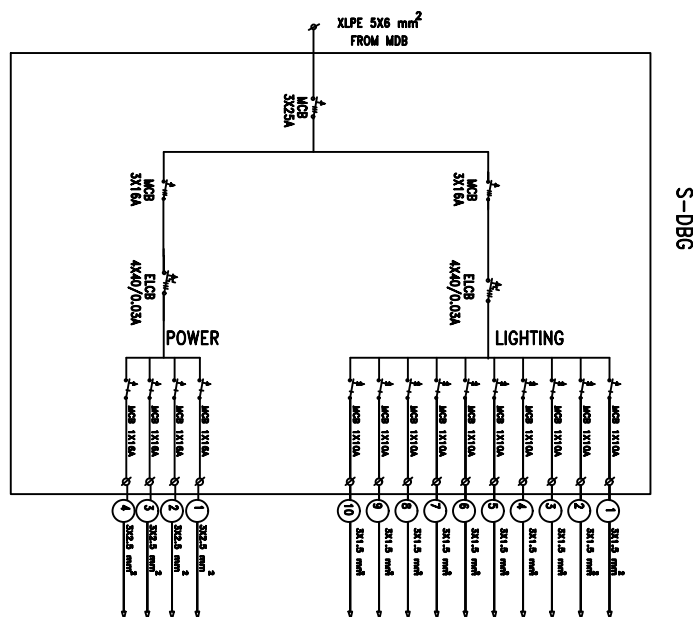
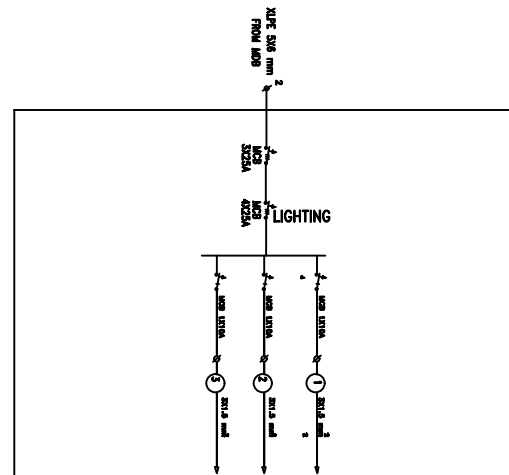
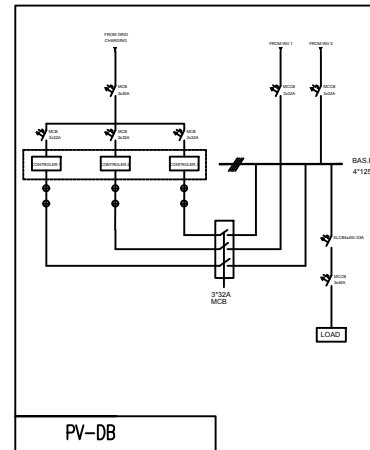
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DRAWING TITLE
DRAWING TITLE :
Main Distribution Board Layout

PREPARED BY TECC	SCALE 1:100	DRAWING NO. E07
CHECKED BY TECC	APPROVED BY UNDP	SERIAL NO.
DRAWN BY TECC	DATE August 2016	



GRAPHIC SCALE			
NO	DATE	ENG	REVISIONS

PROJECT TITLE

**Reconstruction, Furniture and
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**Photovoltaic Solar System for the
Greek Orthodox Patriarchate School**

(PAL10-00099288)

**Photovoltaic Solar System for the
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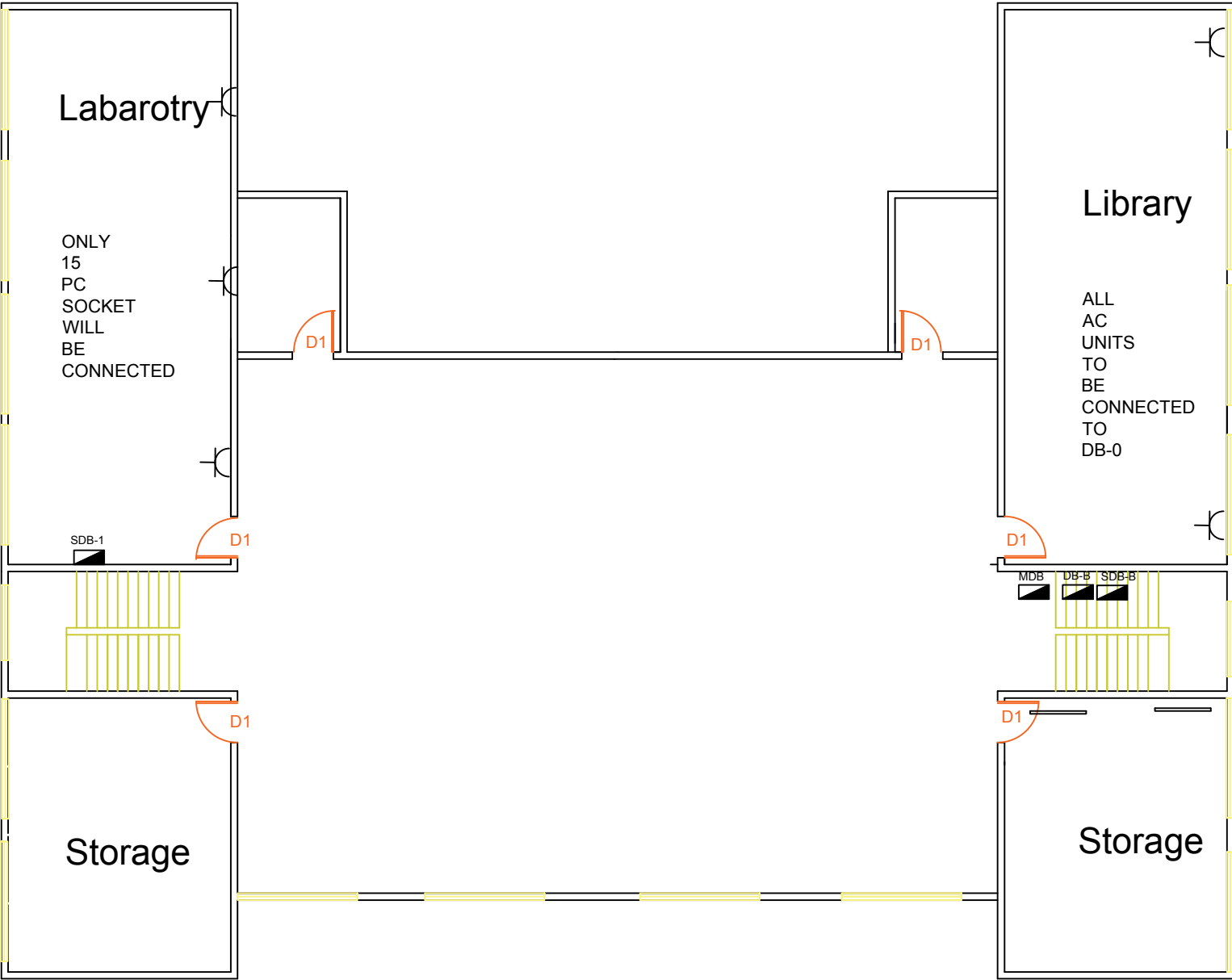


**TECHNICAL ENGINEERING
CONSULTING COMPANY**

DRAWING TITLE

DRAWING TITLE :
Distribution Board Layout

PREPARED BY TECC	SCALE 1:100	DRAWING NO. E08
CHECKED BY TECC	APPROVED BY UNDP	
DRAWN BY TECC	DATE August 2016	SERIAL NO.



Basment Floor

GRAPHIC SCALE			
0	1	2	3
4			
NO	DATE	ENG	REVISIONS

PROJECT TITLE
Reconstruction,Furniture and
Equipping of Three Schools
Photovoltaic Solar System for the
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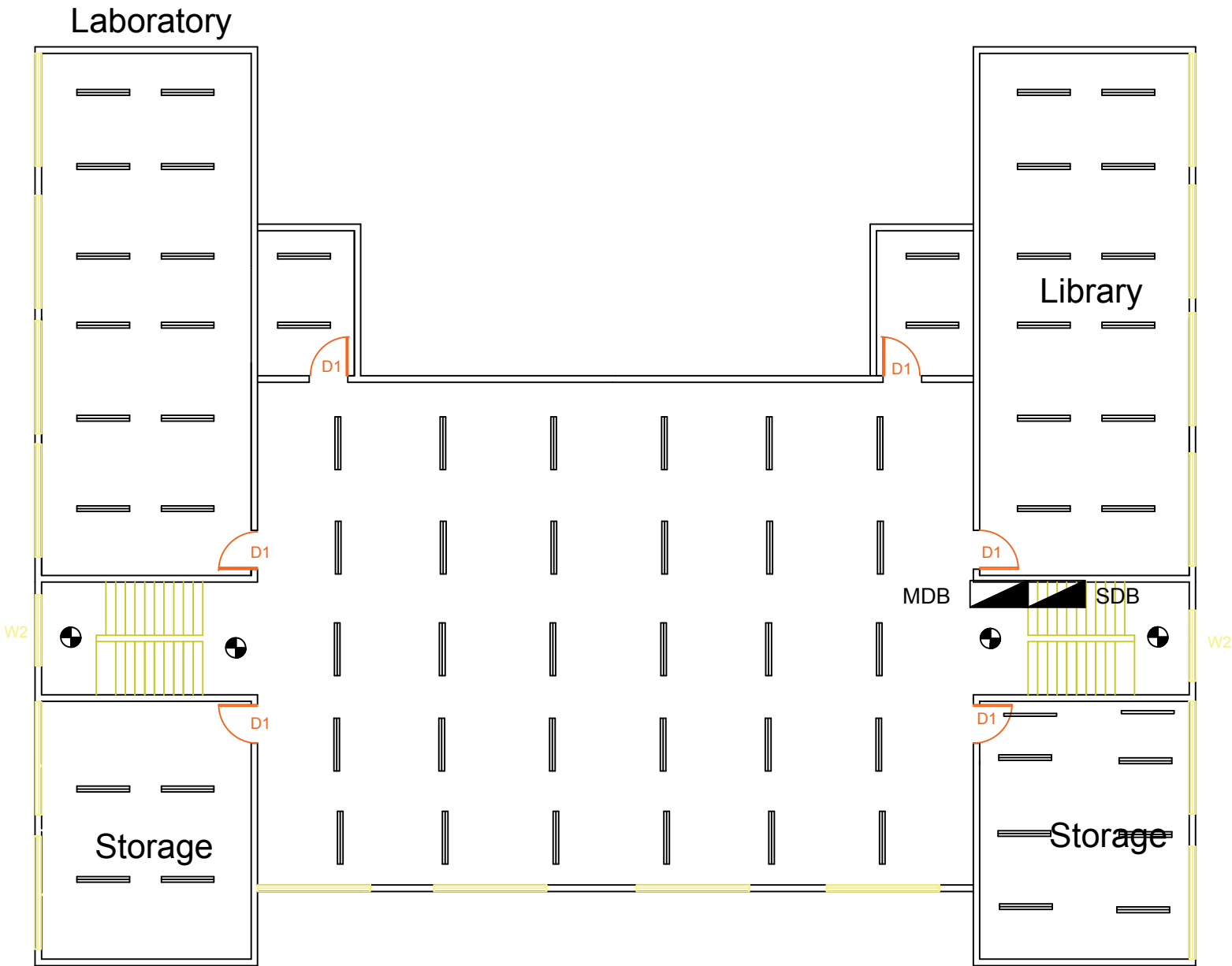
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Greek Orthodox Patriarchate School

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DRAWING TITLE			
Basment floor distribution boards layout			
PREPARED BY	SCALE	DRAWING NO.	
TECC	1:100	E09	
CHECKED BY	APPROVED BY	SERIAL NO.	
TECC	UNDP		
DRAWN BY	DATE		
TECC	August 2016		



GRAPHIC SCALE 0 1 2 3 4

NO DATE ENG REVISIONS

PROJECT TITLE

Reconstruction, Furniture and
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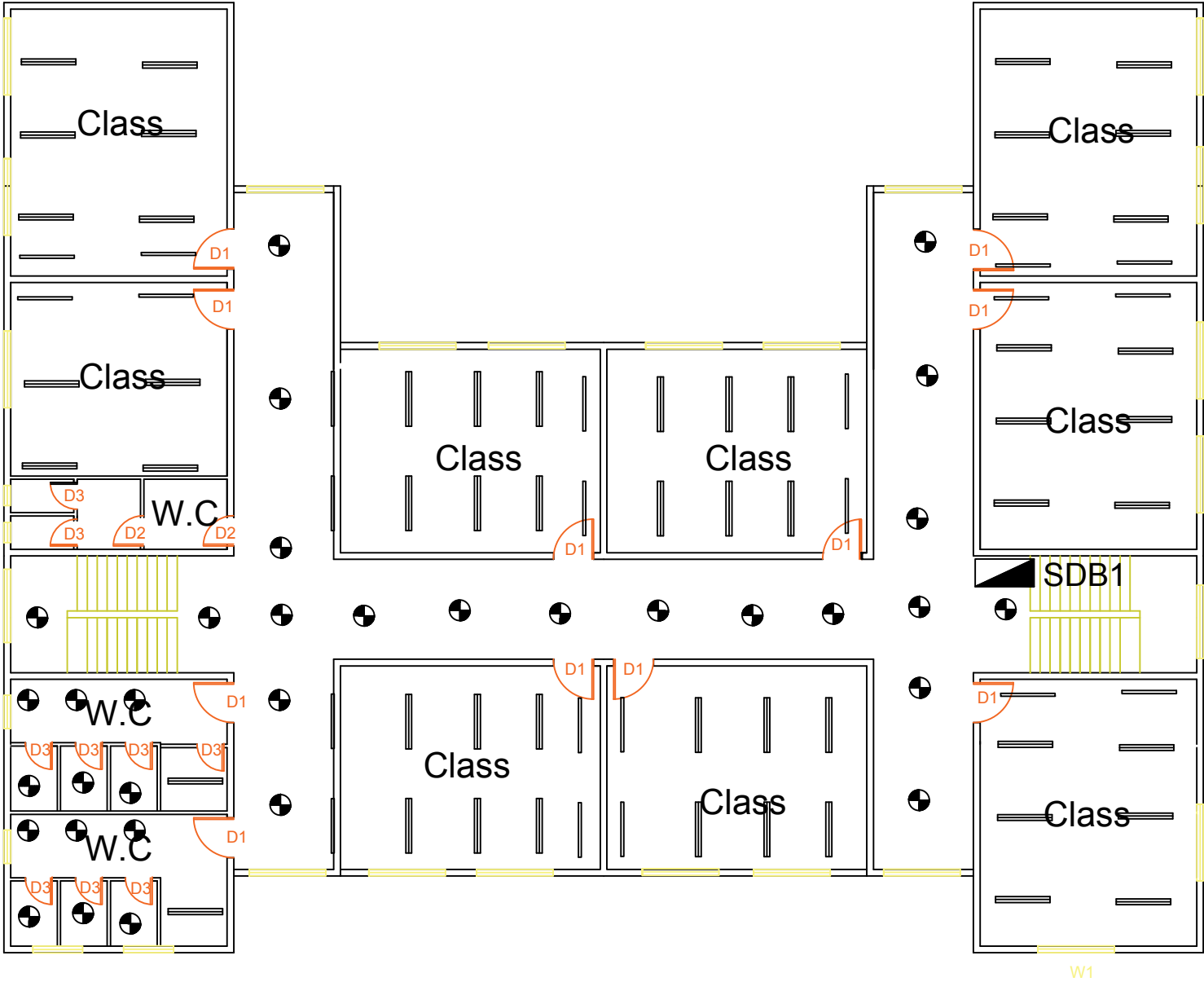
DRAWING TITLE

BASMENT FLOOR LIGHT FITTINGS

PREPARED BY TECC	SCALE 1:100	DRAWING NO. E11
CHECKED BY TECC	APPROVED BY UNDP	SERIAL NO.
DRAWN BY TECC	DATE	



GRAPHIC SCALE 0 1 2 3 4			
NO	DATE	ENG	REVISIONS
PROJECT TITLE			
Reconstruction,Furniture and Equipping of Three Schools			
Photovoltaic Solar System for the Greek Orthodox Patriarchate School (PAL10-00099288)			
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Greek Orthodox Patriarchate School			
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CONSULTANT			
 TECHNICAL ENGINEERING CONSULTING COMPANY			
DRAWING TITLE			
GROUND FLOOR LIGHT FITTINGS			
PREPARED BY	SCALE	DRAWING NO.	
TECC	1:100	E12	
CHECKED BY	APPROVED BY	SERIAL NO.	
TECC	UNDP		
DRAWN BY	DATE		
TECC			



GRAPHIC SCALE 0 1 2 3 4

NO DATE ENG REVISIONS

PROJECT TITLE
Reconstruction, Furniture and
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Photovoltaic Solar System for the
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(PAL10-00099288)

CLIENT
Greek Orthodox Patriarchate School

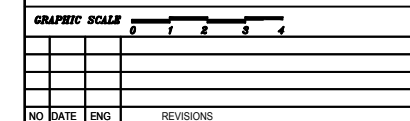
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CONSULTANT
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DRAWING TITLE
FIRST FLOOR LIGHT FITTINGS

PREPARED BY TECC	SCALE 1:100	DRAWING NO. E13
CHECKED BY TECC	APPROVED BY UNDP	SERIAL NO.
DRAWN BY TECC	DATE	



**Reconstruction, Furniture and
Equipping of Three Schools**

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DRAWING TITLE

SECOND FLOOR LIGHT FITTINGS

PREPARED BY TECC	SCALE 1:100	DRAWING NO. E14
CHECKED BY TECC	APPROVED BY UNDP	
DRAWN BY TECC	DATE	SERIAL NO.