

SUPPLY AND INSTALLATION OF ROOF-TOP SOLAR PHOTOVOLTAIC SYSTEMS IN EAST JERUSALEM

Tender Ref.: PZA170421T-10040

Contracting Authority:



Designed by:



JANUARY 2024

LOT 1 - ROOF-TOP SOLAR PHOTOVOLTAIC SYSTEMS ON CONSULATE GENERAL OF BELGIUM IN JERUSALEM

Tender Ref.: PZA170421T-10040

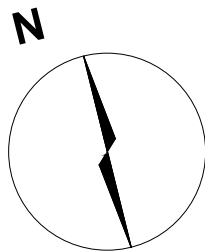
Contracting Authority:



Designed by:



JANUARY 2024



Layout

32 PV
660 wp
21.1kwp



Notes

- (1) All Dimensions Are In Cm.
- (2) All Levels Are In Meter
- (3) Any Missing or Unclear Detail And All Fastening Systems For All Elements Shall be Approved by The Supervisor.

Legend:

REVISIONS

NO.	DRAWINGS	DATE
(1)	Final Design	13-SEP-2023
(2)		
(3)		

Project Name:

SUPPLY AND INSTALLATION OF
ROOF-TOP SOLAR PHOTOVOLTAIC
SYSTEMS ON GENERAL CONSULATE OF
BELGIUM IN JERUSALEM

Contracting Authority:



Project Ref.:

PZA170421T-10040-Lot1

Designed by:



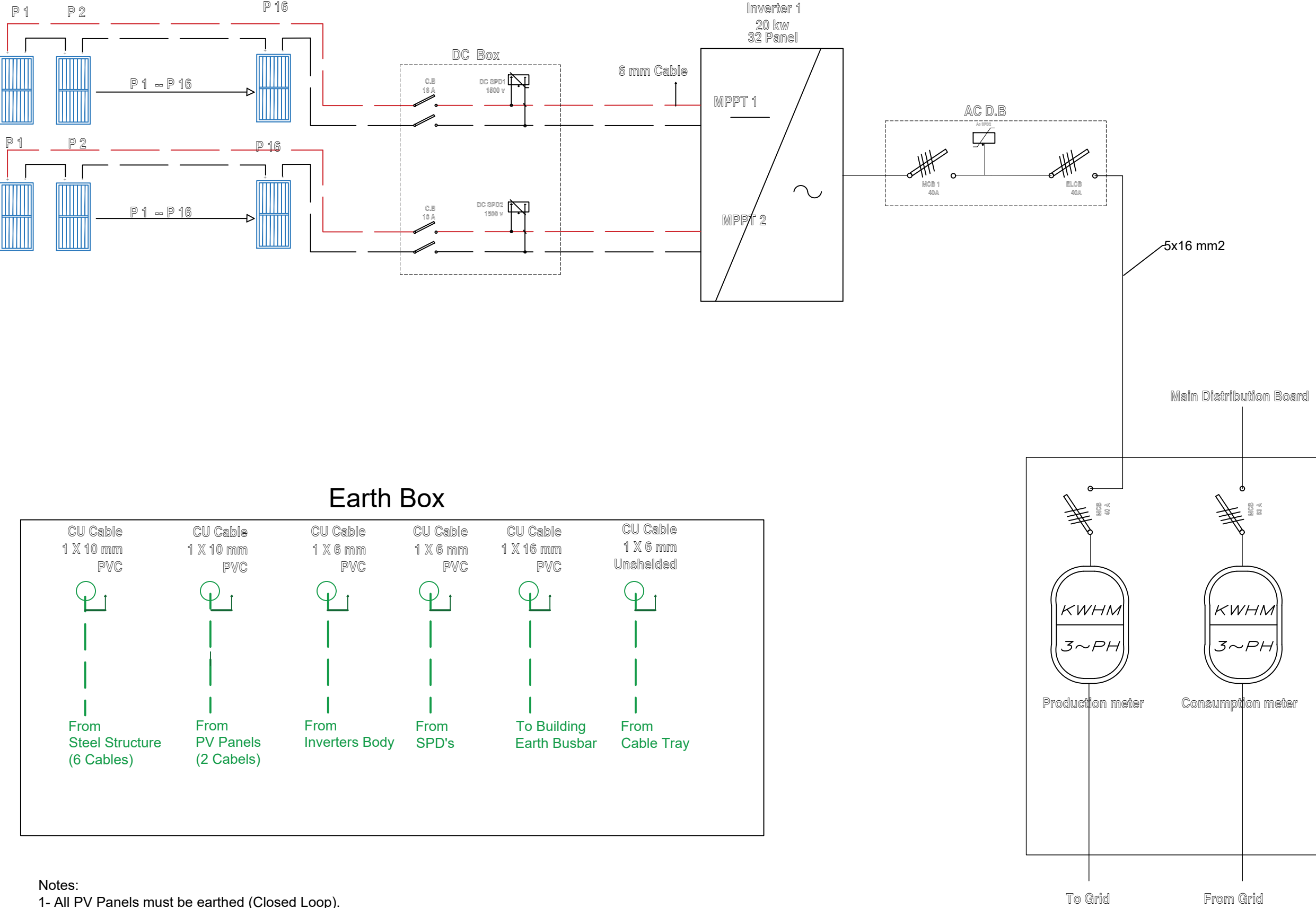
Drawing Title

System layout

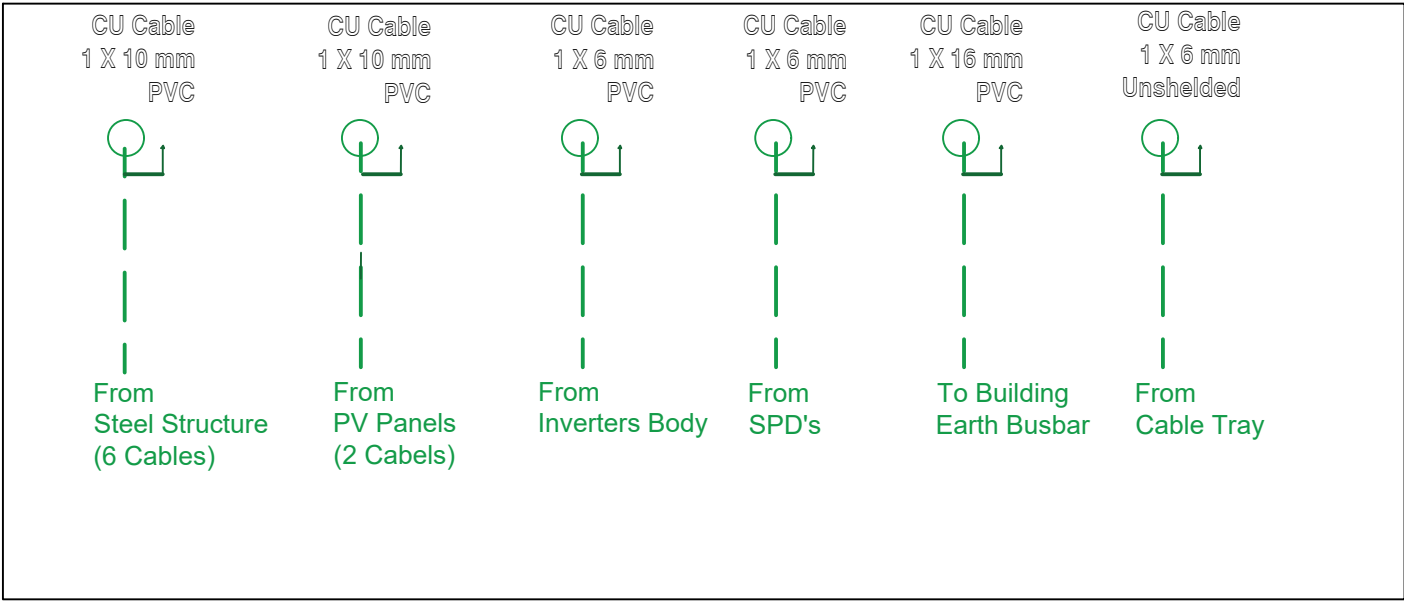
Date: 06-11-2023
Scale:

Designed by:	ALHIBAW FOR INDUSTRIAL TECHNOLOGY	Drawing No:
Checked by:	Walid Aboudi	L1-01
Approved by:	Walid Aboudi	
Coordinate Manager:	Alexis Doucet	

Single Line Diagram



Earth Box



Notes

(1) All Dimensions Are In Cm.

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Legend:

REVISIONS

NO.	DRAWINGS	DATE
(1)	Final Design	13-SEP-2023
(2)		
(3)		

Project Name:

SUPPLY AND INSTALLATION OF
ROOF-TOP SOLAR PHOTOVOLTAIC
SYSTEMS ON GENERAL CONSULATE OF
BELGIUM IN JERUSALEM

Contracting Authority:

Enabel

Project Ref.:

2275PSE-10040

Designed by:



Drawing
Title

SINGLE LINE
DIAGRAM

Date:
06-11-2023
Scale:

Designed by:

ALHARBAN FOR INDUSTRIAL TECHNOLOGY

Checked by:

Walid Aboudi

Approved by:

Walid Aboudi

Coordinate Manager:

Alexis Doucet

Drawing No:
L1-02

Electrical Layout



NOTES

(1) All Dimensions Are In Cm.
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Legend:

REVISIONS		
NO.	DRAWINGS	DATE
(1)	Final Design	13-SEP-2023
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Project Name:

SUPPLY AND INSTALLATION OF
ROOF-TOP SOLAR PHOTOVOLTAIC
SYSTEMS ON GENERAL CONSULATE OF
BELGIUM IN JERUSALEM

Contracting Authority:



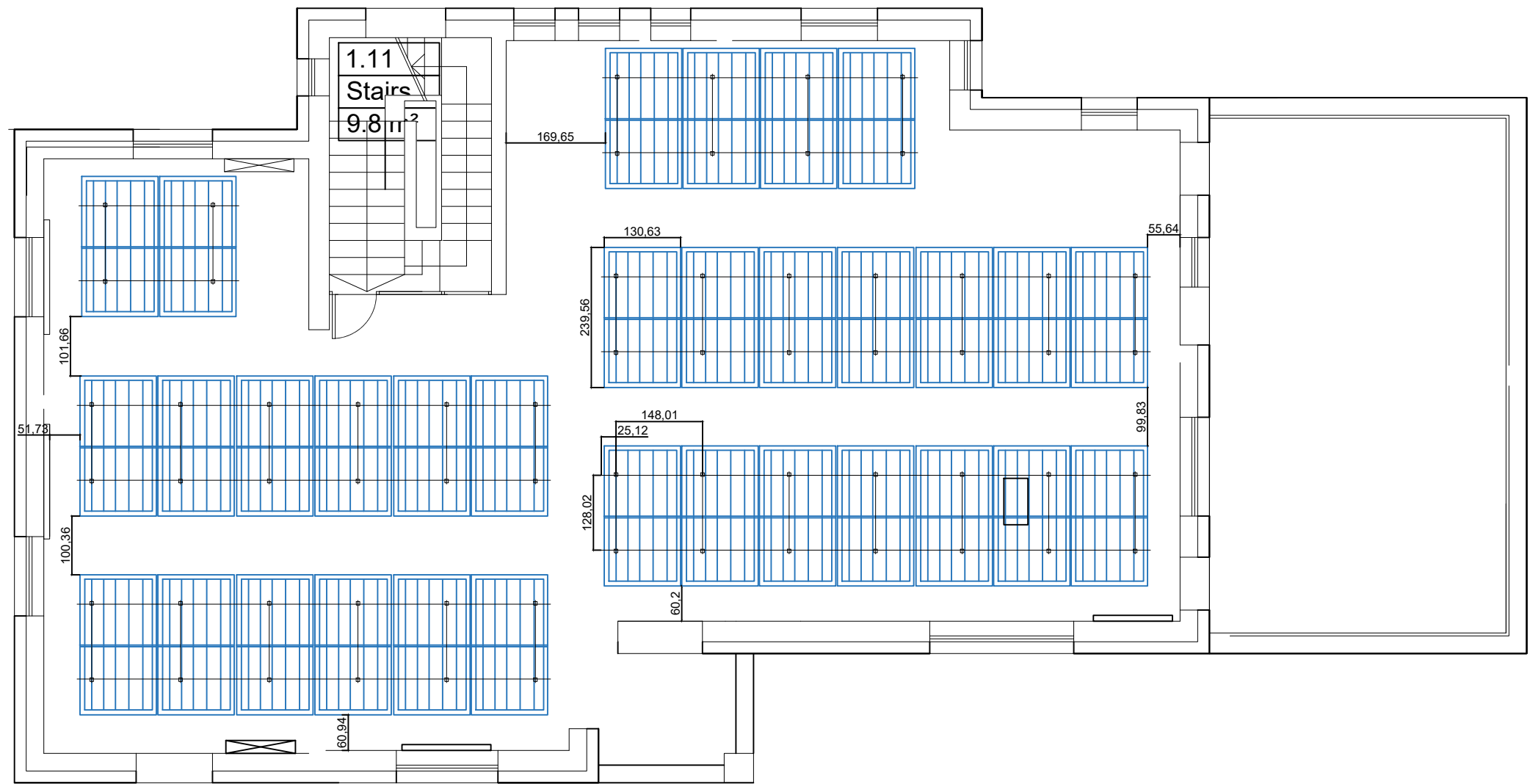
Project Ref.:

2275PSE-10040

Designed by:



Drawing Title		Date: 06-11-2023
Electrical layout		Scale: XX
Designed by:	ALHIBANI FOR INDUSTRIAL TECHNOLOGY	Drawing No:
Checked by:	Walid Aboudi	L1-03
Approved by:	Walid Aboudi	
Coordinate Manager:	Alexis Doucet	



32 PV
660 wp
21.1kwp

Notes

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Legend:

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(2)		
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SUPPLY AND INSTALLATION OF
ROOF-TOP SOLAR PHOTOVOLTAIC
SYSTEMS ON GENERAL CONSULATE OF
BELGIUM IN JERUSALEM

Contracting Authority:



Project Ref.:

2275PSE-10040

Designed by:



Drawing
Title

Steel Structure

Date:
XX-XX-2023
Scale:

Designed by: ALHIRBAWI FOR INDUSTRIAL TECHNOLOGY

Drawing No:

Checked by: Walid Aboudi

L1-04

Approved by: Walid Aboudi

Coordinates: Manager: Alexia Doucet

- (1) All Dimensions Are In Cm.
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Legend:

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ROOF-TOP SOLAR PHOTOVOLTAIC
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BELGIUM IN JERUSALEM

Contracting Authority:



Project Ref.:

2275PSE-10040

Designed by:



Drawing
Title

AC and DC DB

Date:
06-11-2023
Scale:
XX

Designed by: ALHARBANI FOR INDUSTRIAL TECHNOLOGY

Checked by: Walid Aboudi

Approved by: Walid Aboudi

Coordinate Manager: Alexis Doucet

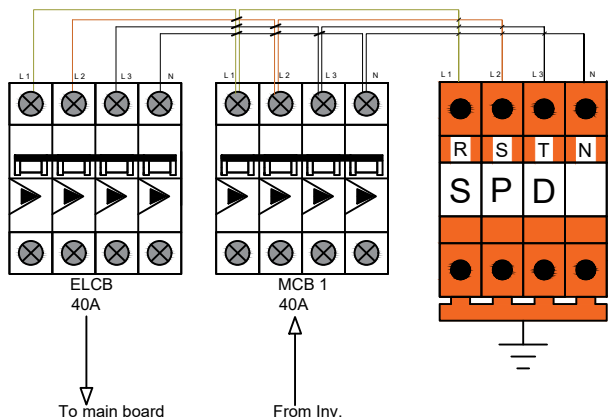
Drawing No:

L1-05

AC D.B

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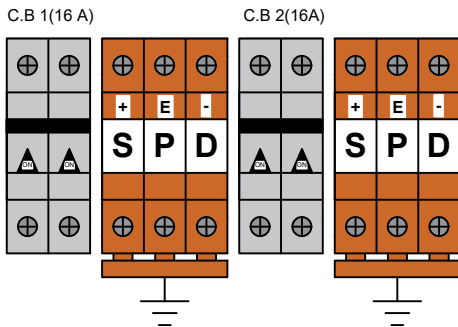
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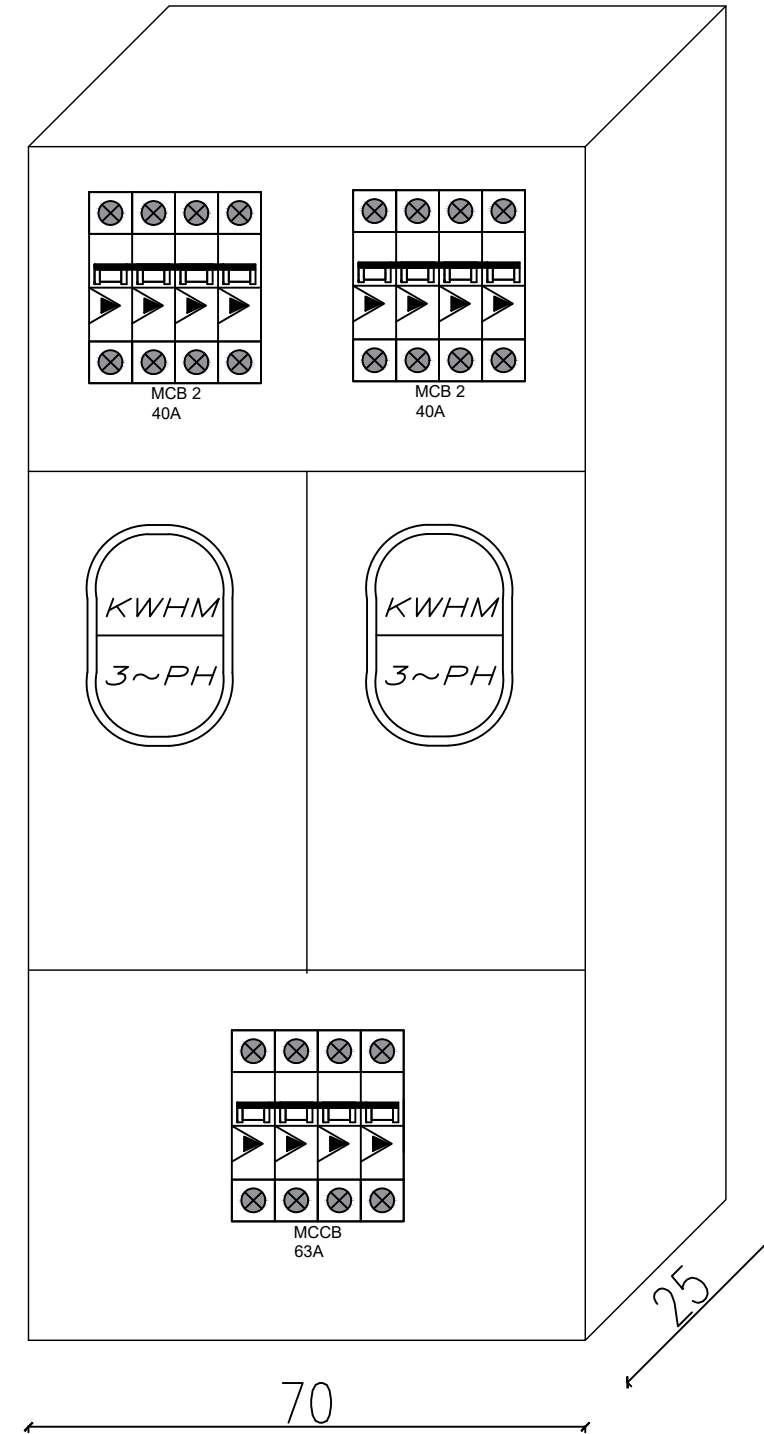


DC Box

40

20





Notes

- (1) All Dimensions Are In Cm.
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SUPPLY AND INSTALLATION OF
ROOF-TOP SOLAR PHOTOVOLTAIC
SYSTEMS ON GENERAL CONSULATE OF
BELGIUM IN JERUSALEM

Contracting Authority:



Project Ref.:

2275PSE-10040

Designed by:



Drawing Title	Main distribution Board	Date: 06-11-2023 Scale: XX
Designed by:	ALHIRBANI FOR INDUSTRIAL TECHNOLOGY	Drawing No:
Checked by:	Walid Aboudi	L1-06
Approved by:	Walid Aboudi	
Coordinate Manager:	Alexis Doucet	

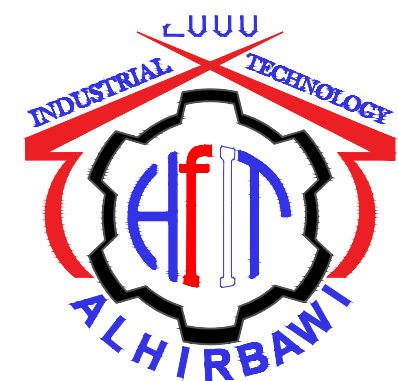
LOT 2 - ROOF-TOP SOLAR PHOTOVOLTAIC SYSTEMS ON SHEIKH SAAD BOY'S AND SHEIKH SAAD GIRLS' SCHOOLS IN SHEIKH SAAD VILLAGE

Tender Ref.: PZA170421T-10040

Contracting Authority:



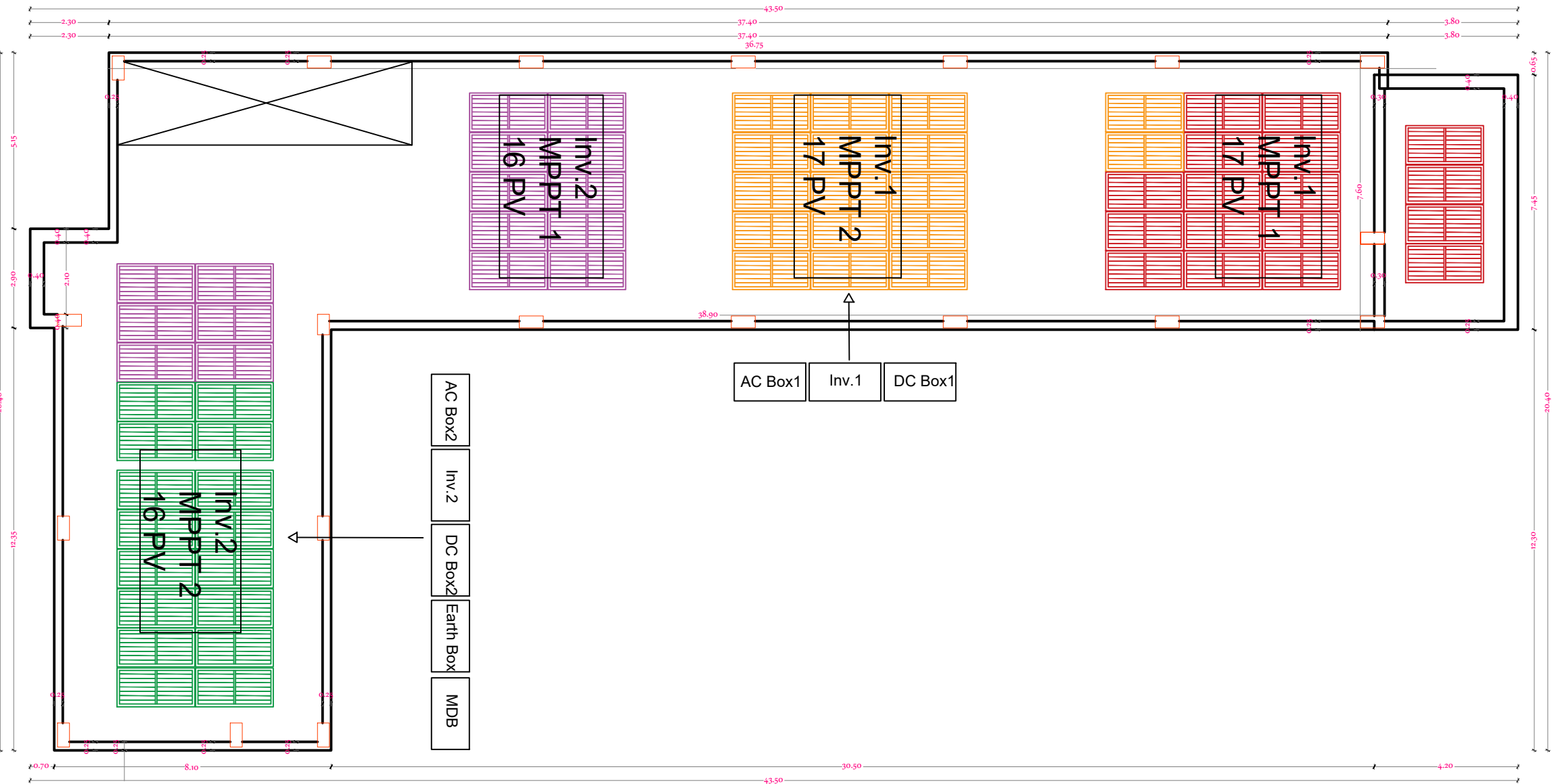
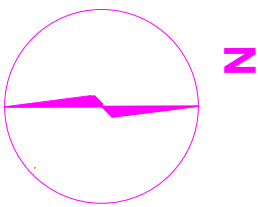
Designed by:



JANUARY 2024

Layout

66 PV
560 wp
37kwp



Notes

- (1) All Dimensions Are In Cm.
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Legend:

REVISIONS

NO.	DRAWINGS	DATE
(1)	Final Design	13-SEP-2023
(2)		
(3)		

Project Name:

SUPPLY AND INSTALLATION OF
ROOF-TOP SOLAR PHOTOVOLTAIC
SYSTEMS ON SHEIKH SAAD BOYS' AND
GIRLS' SCHOOL IN SHEIKH SAAD VILLAGE

Contracting Authority:



Project Ref.:

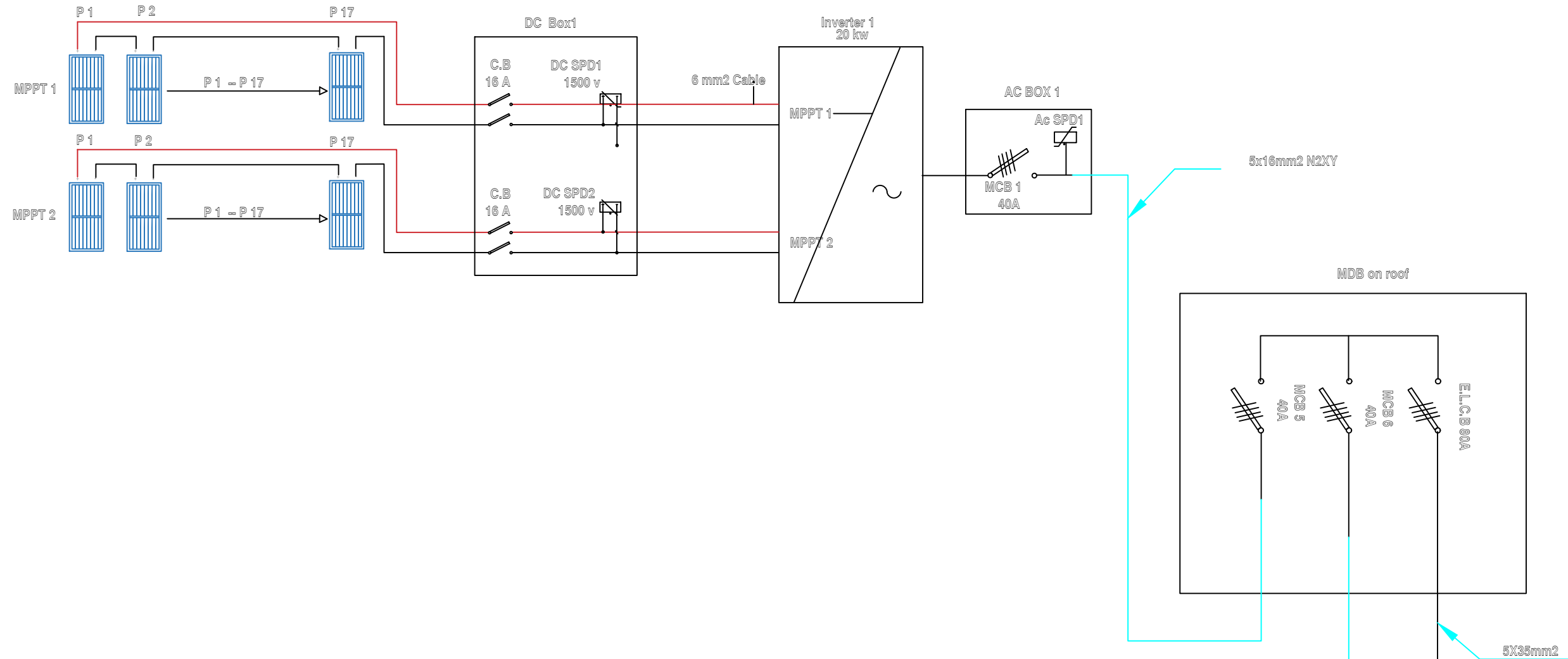
PZA170421T-10040-Lot2

Designed by:

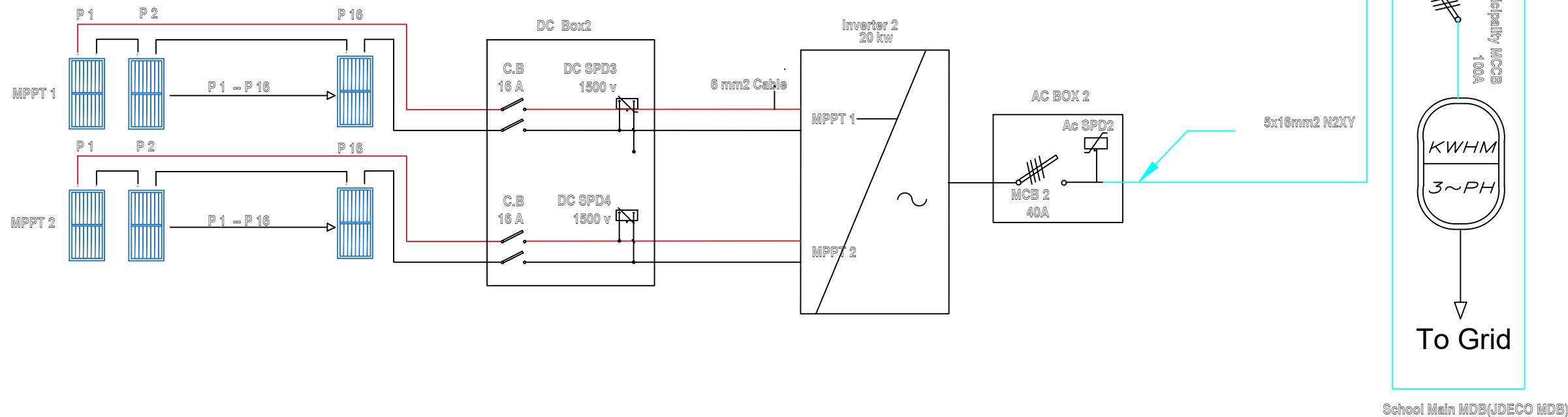


Drawing Title	Sheikh Saad Boys' School - System layout	Date: 06-11-2023 Scale:
Designed by:	ALHIRBAW FOR INDUSTRIAL TECHNOLOGY	Drawing No:
Checked by:	Walid Aboudi	L2-01
Approved by:	Walid Aboudi	
Coordinate Manager:	Alexis Daucet	

34 PV Panel



32 PV Panel



Notes

- (1) All Dimensions Are In Cm.
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Legend:

REVISIONS

NO.	DRAWINGS	DATE
(1)	Final Design	13-SEP-2023
(2)		
(3)		

Project Name:

SUPPLY AND INSTALLATION OF ROOF-TOP SOLAR PHOTOVOLTAIC SYSTEMS ON SHEIKH SAAD BOYS' AND GIRLS' SCHOOL IN SHEIKH SAAD VILLAGE

Contracting Authority:

Enabel

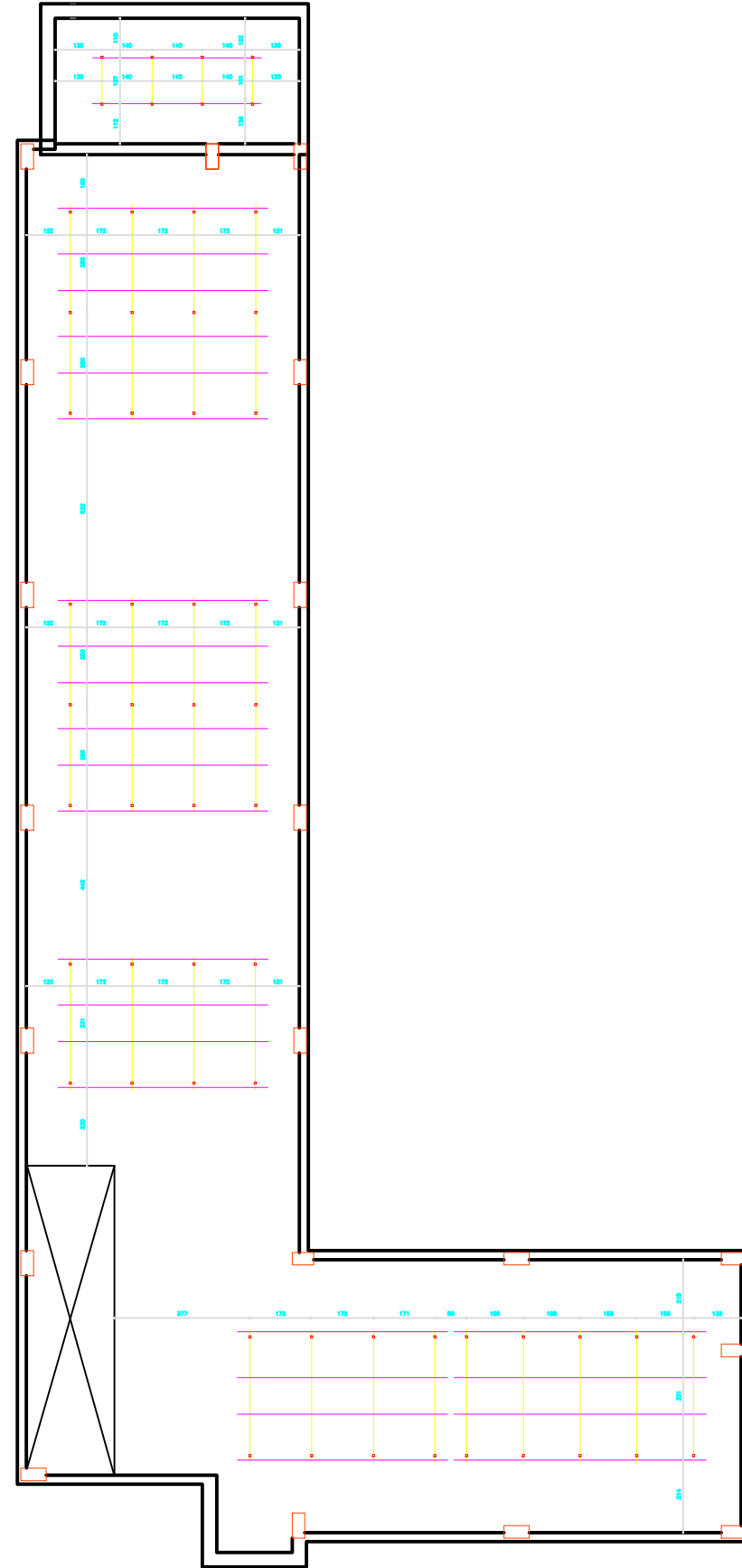
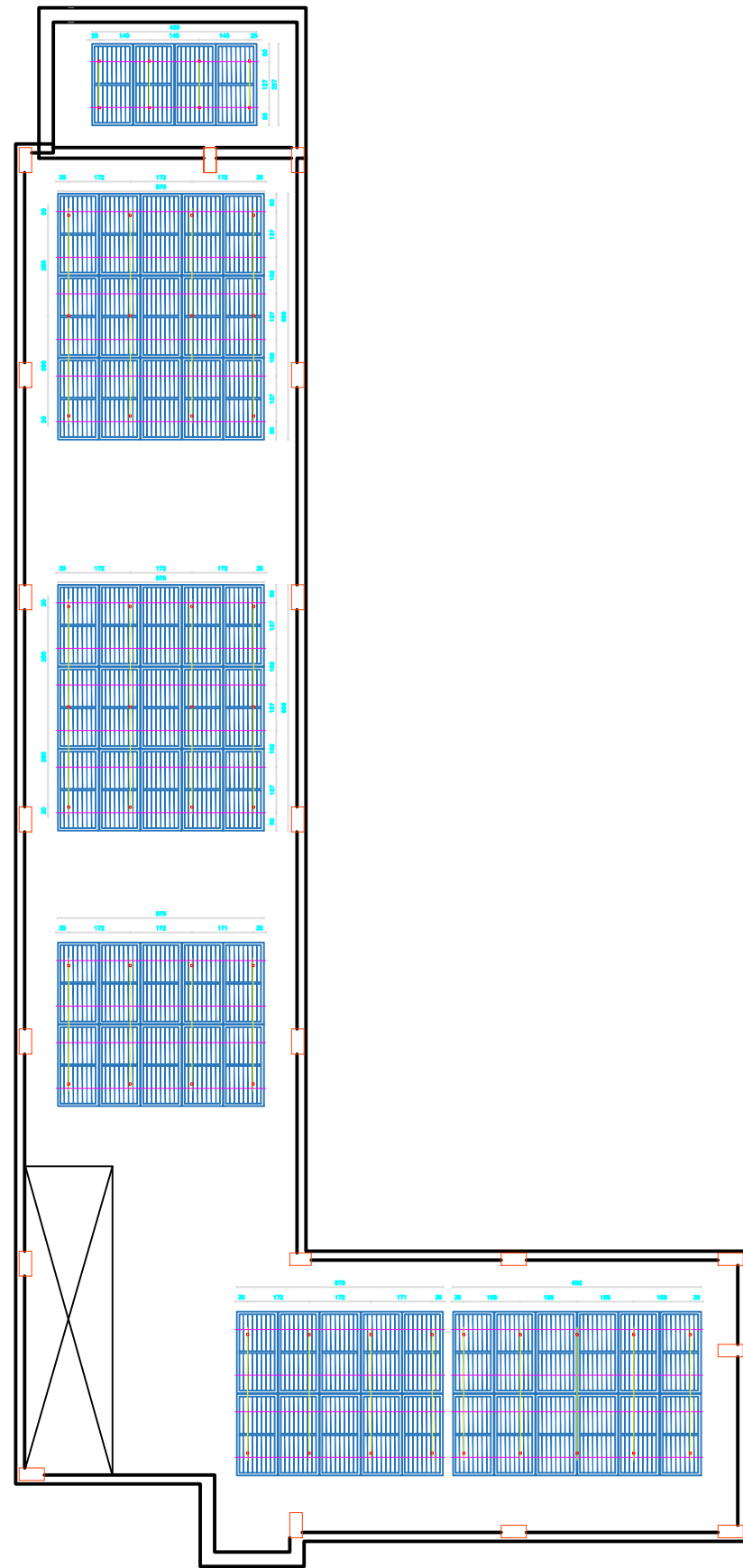
Project Ref.:

PZA170421T-10040-Lot2

Designed by:



Drawing Title	Sheikh Saad Boys' School - Single Line Diagram	Date: 06-11-2023 Scale:
Designed by:	ALHIBAN FOR INDUSTRIAL TECHNOLOGY	Drawing No:
Checked by:	Walid Aboudi	L2-02
Approved by:	Walid Aboudi	
Coordinate Manager:	Alexis Doucet	



Notes

(1) All Dimensions Are In Cm.
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Legend:

REVISIONS		
NO.	DRAWNGS	DATE
(1)	Final Design	13-SEP-2023
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Project Name:

SUPPLY AND INSTALLATION OF
ROOF-TOP SOLAR PHOTOVOLTAIC
SYSTEMS ON SHEIKH SAAD BOYS' AND
GIRLS' SCHOOL IN SHEIKH SAAD VILLAGE

Contracting Authority:



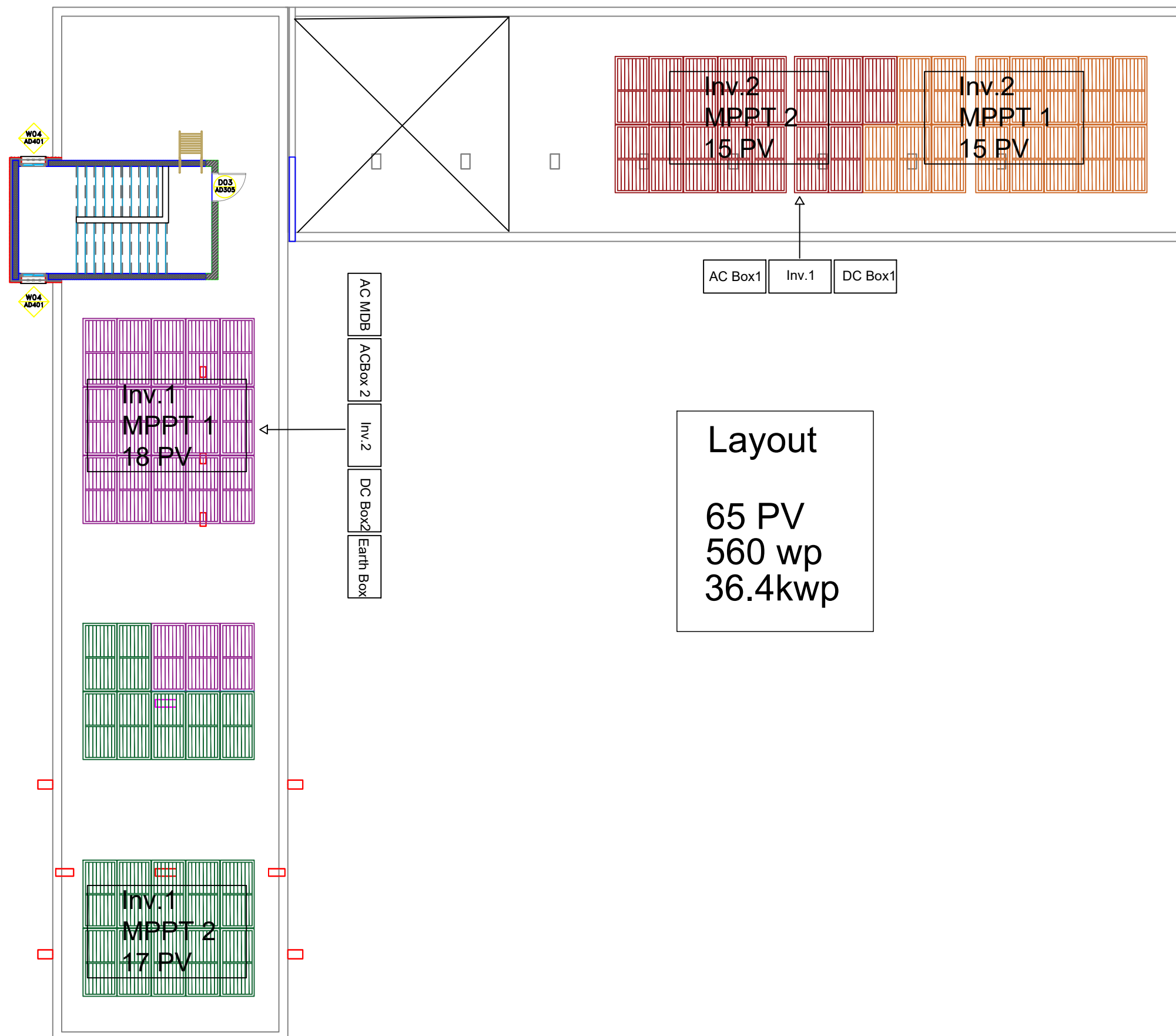
Project Ref.:

PZA170421T-10040-Lot2

Designed by:



Drawing Title		Date: 08-11-2023
Sheikh Saad Boys' School - Steel Structure Layout		Scale:
Designed by:	ALHIBAN FOR INDUSTRIAL TECHNOLOGY	Drawing No:
Checked by:	Walid Aboudi	L2-03
Approved by:	Walid Aboudi	
Coordinate Manager:	Alexis Doucet	



Notes

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Legend:

REVISIONS		
NO.	DRAWINGS	DATE
(1)	Final Design	13-SEP-2023
(2)		
(3)		

Project Name:

SUPPLY AND INSTALLATION OF ROOF-TOP SOLAR PHOTOVOLTAIC SYSTEMS ON SHEIKH SAAD BOYS' AND GIRLS' SCHOOL IN SHEIKH SAAD VILLAGE

Contracting Authority:

Enabel

Project Ref.:

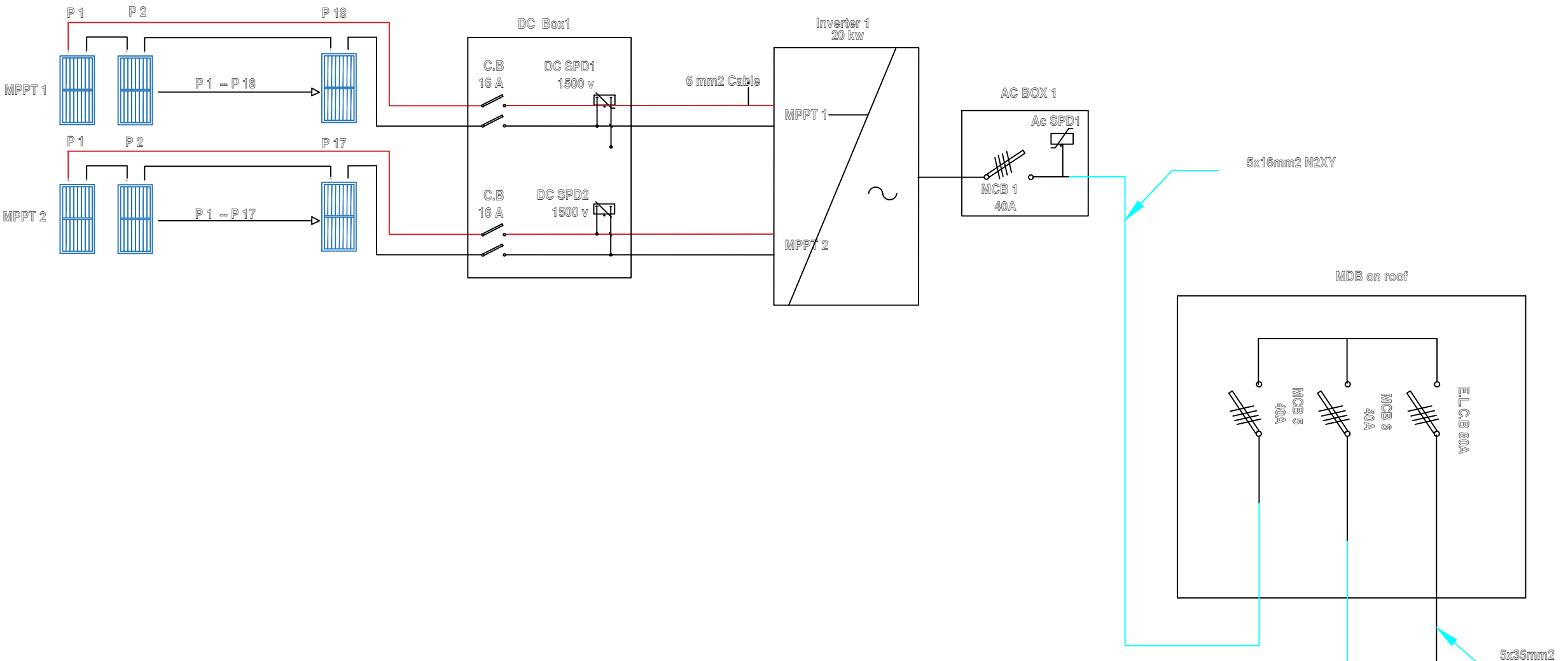
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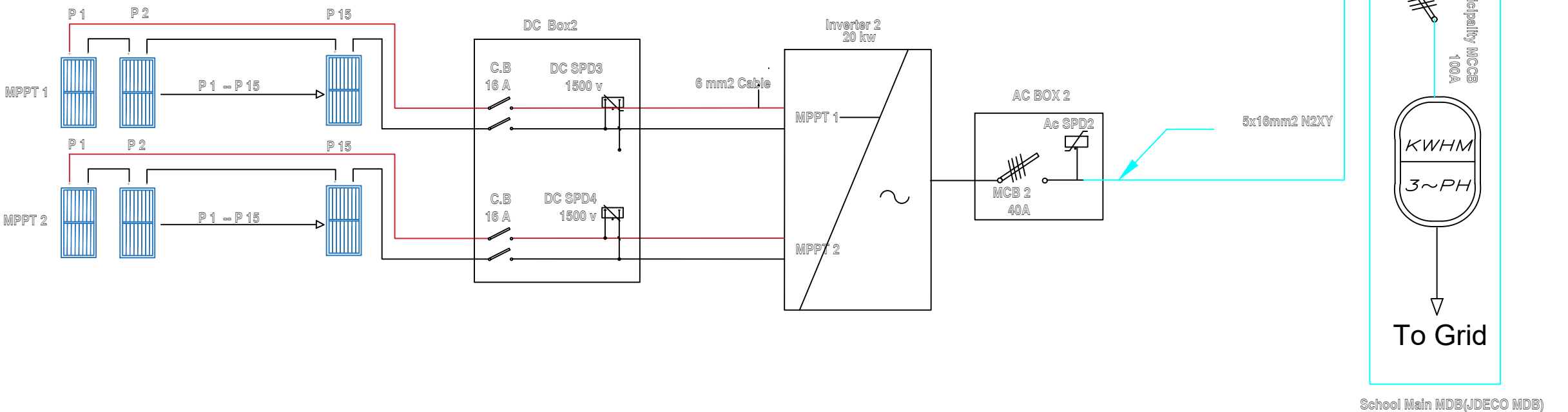
ALHIBAWI FOR INDUSTRIAL TECHNOLOGY

Drawing Title	Sheikh Saad Girls' School - System layout	Date: 06-11-2023 Scale:
Designed by:	ALHIBAWI FOR INDUSTRIAL TECHNOLOGY	Drawing No:
Checked by:	Walid Aboudi	L2-04
Approved by:	Walid Aboudi	
Coordinate Manager:	Alexis Doucet	

35 PV Panel



30 PV Panel



Notes

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SUPPLY AND INSTALLATION OF ROOF-TOP SOLAR PHOTOVOLTAIC SYSTEMS ON SHEIKH SAAD BOYS' AND GIRLS' SCHOOL IN SHEIKH SAAD VILLAGE

Contracting Authority:



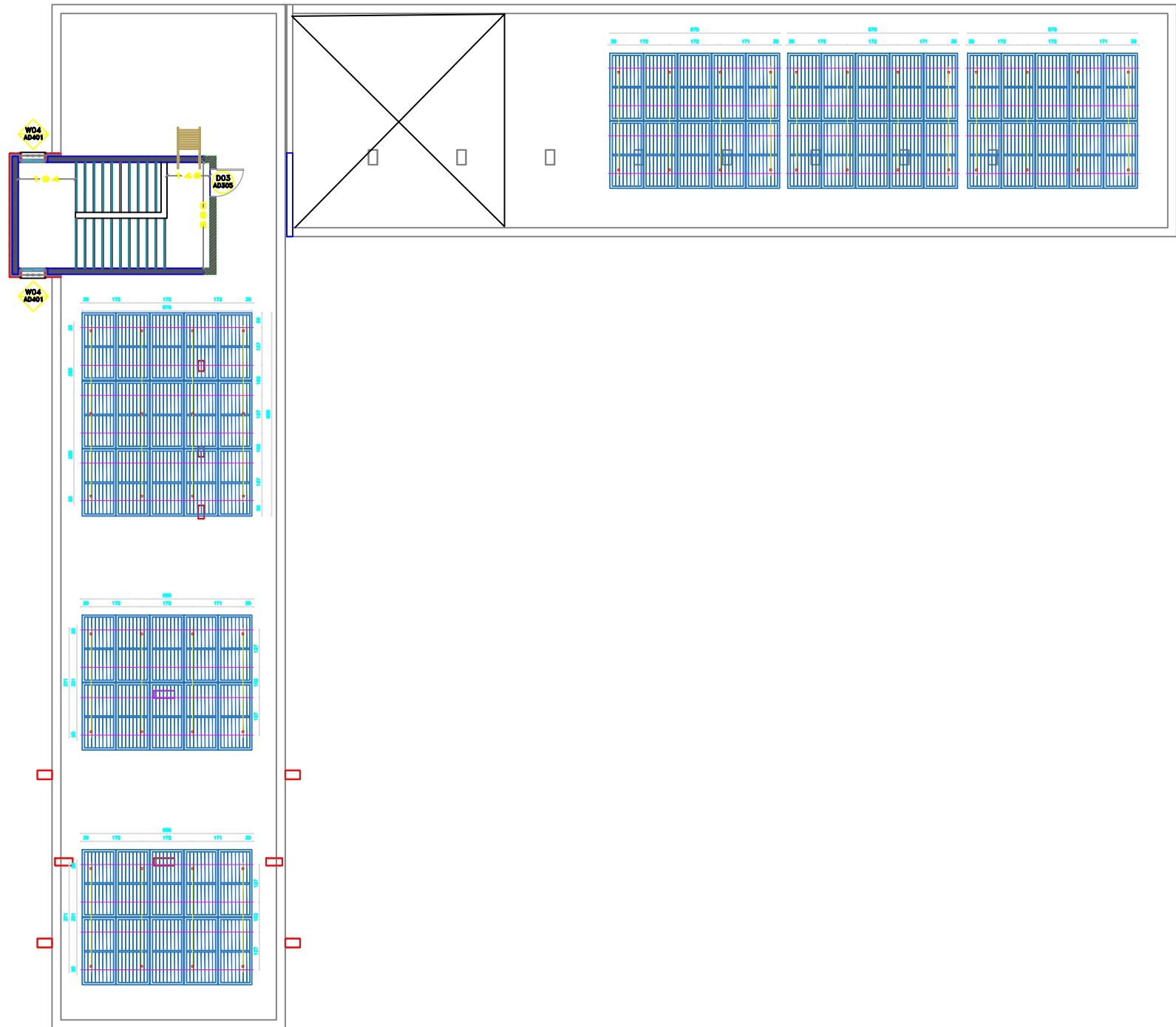
Project Ref.:

PZA170421T-10040-Lot2

Designed by:



Drawing Title	Sheikh Saad Girls' School - Single Line Diagram	Date: 06-11-2023 Scale:
Designed by:	ALHIRBAW FOR INDUSTRIAL TECHNOLOGY	Drawing No:
Checked by:	Wafid Aboudi	L2-05
Approved by:	Wafid Aboudi	
Coordinate Manager:	Alexis Doucet	



Notes

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NO.	DRAWINGS	DATE
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Project Name:

SUPPLY AND INSTALLATION OF
ROOF-TOP SOLAR PHOTOVOLTAIC
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GIRLS' SCHOOL IN SHEIKH SAAD VILLAGE

Contracting Authority:



Project Ref.:

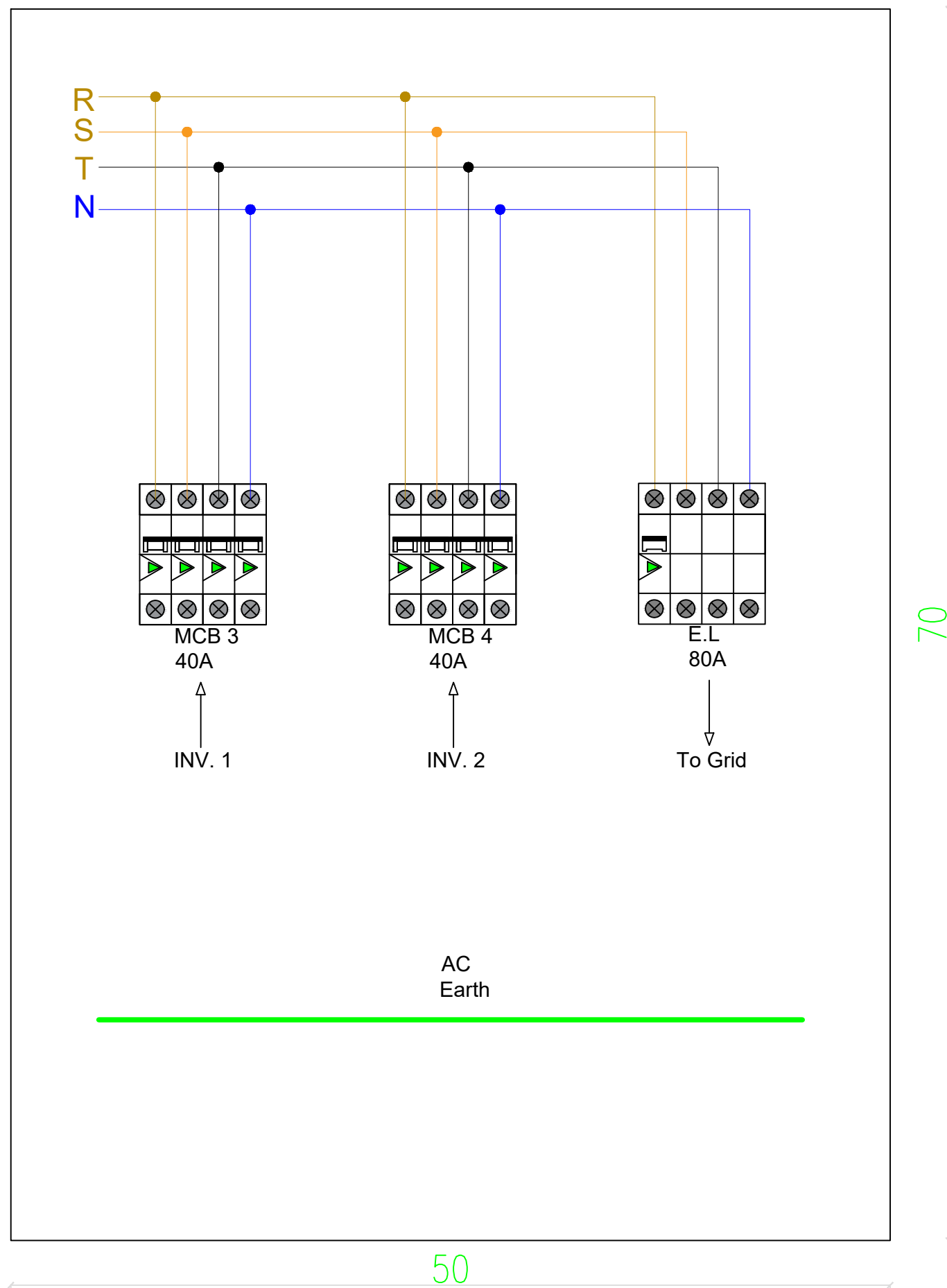
PZA170421T-10040-Lot2

Designed by:



Drawing Title	Sheikh Saad Girls' School - Steel Structure Layout P1	Date: 06-11-2023 Scale:
Designed by:	ALHARBANI FOR INDUSTRIAL TECHNOLOGY	Drawing No:
Checked by:	Walid Aboudi	L2-06
Approved by:	Walid Aboudi	
Coordinate Manager:	Alexis Doucet	

Drawing Title	Sheikh Saad Girls' School - Steel Structure Layout P2	Date: 06-11-2023
		Scale:
	Designed by: ALHARBIAH FOR INDUSTRIAL TECHNOLOGY	Drawing No:
	Checked by: Walid Aboudi	L2-07
	Approved by: Walid Aboudi	
Coordinate Manager:	Alexis Doucet	



Notes

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Project Name:

SUPPLY AND INSTALLATION OF
ROOF-TOP SOLAR PHOTOVOLTAIC
SYSTEMS ON SHEIKH SAAD BOYS' AND
GIRLS' SCHOOL IN SHEIKH SAAD VILLAGE

Contracting Authority:



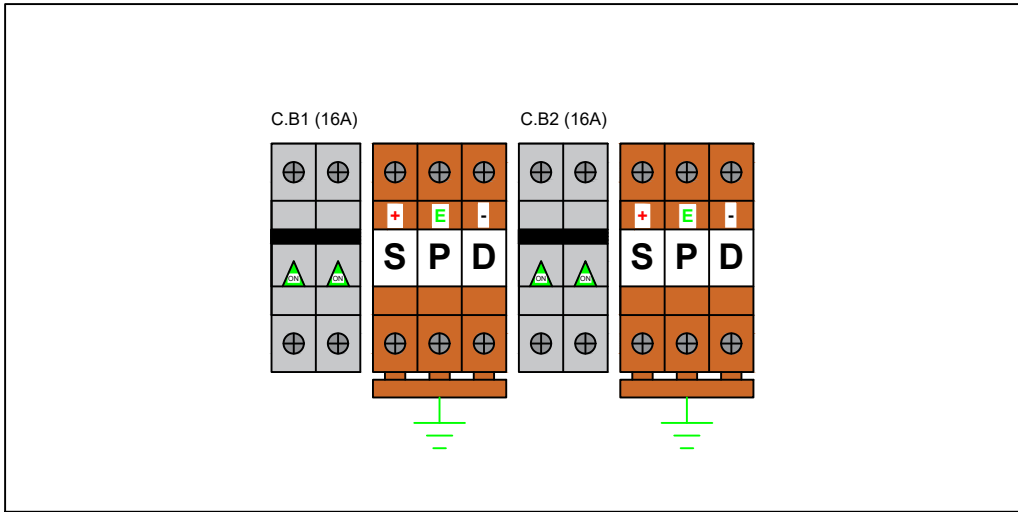
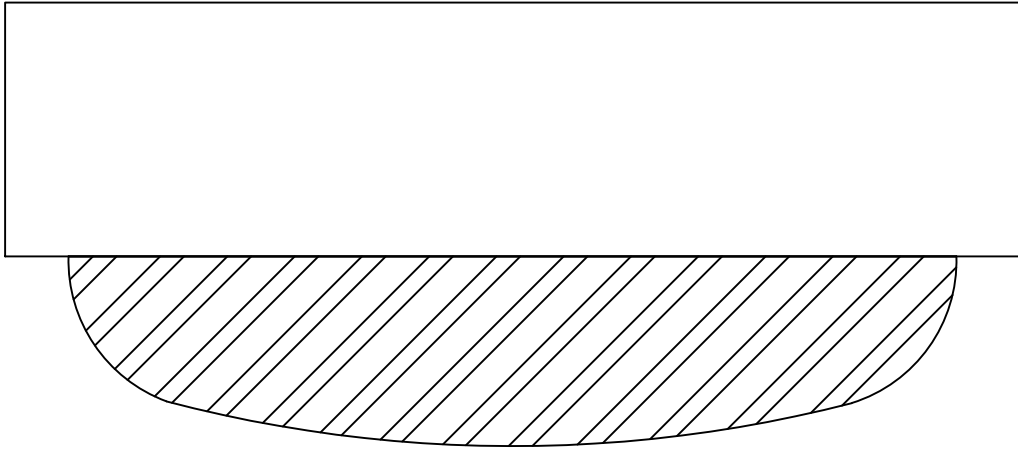
Project Ref.:

PZA170421T-10040-Lot2

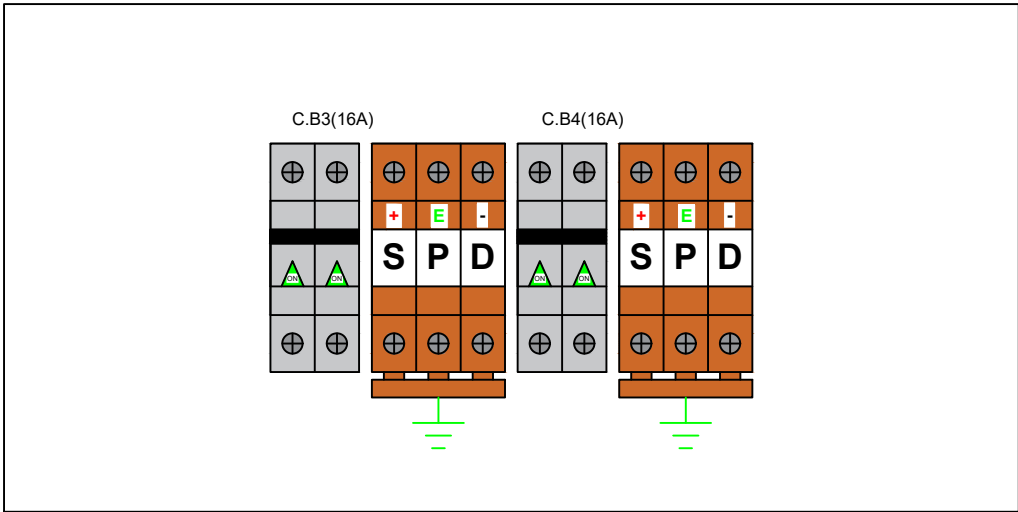
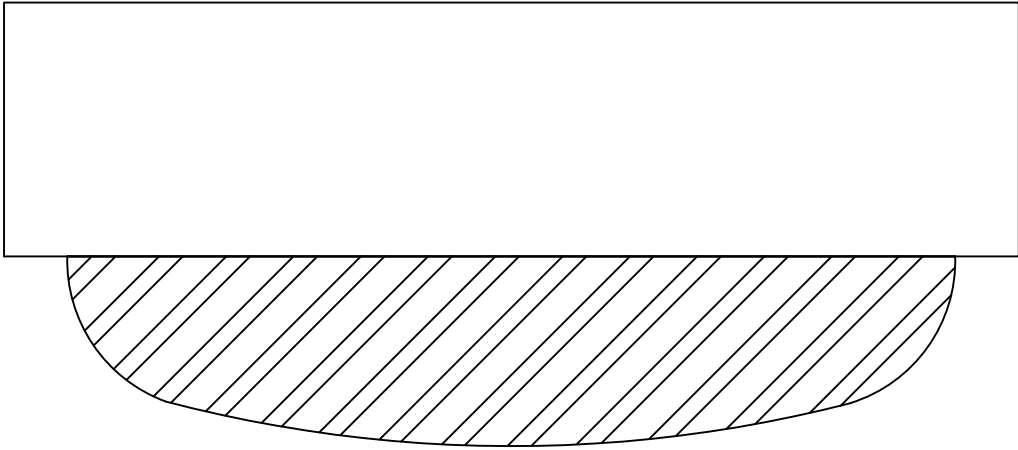
Designed by:



Drawing Title	Roof MDB Detail	Date: 06-11-2023 Scale:
Designed by:	ALHIBAN FOR INDUSTRIAL TECHNOLOGY	Drawing No:
Checked by:	Walid Aboudi	L2-08
Approved by:	Walid Aboudi	
Coordinate Manager:	Alexis Doucet	



DC Box 1



DC Box 2

Notes

(1) All Dimensions Are In Cm.
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Legend:

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NO.	DRAWINGS	DATE
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Project Name:

SUPPLY AND INSTALLATION OF ROOF-TOP SOLAR PHOTOVOLTAIC SYSTEMS ON SHEIKH SAAD BOYS' AND GIRLS' SCHOOL IN SHEIKH SAAD VILLAGE

Contracting Authority:

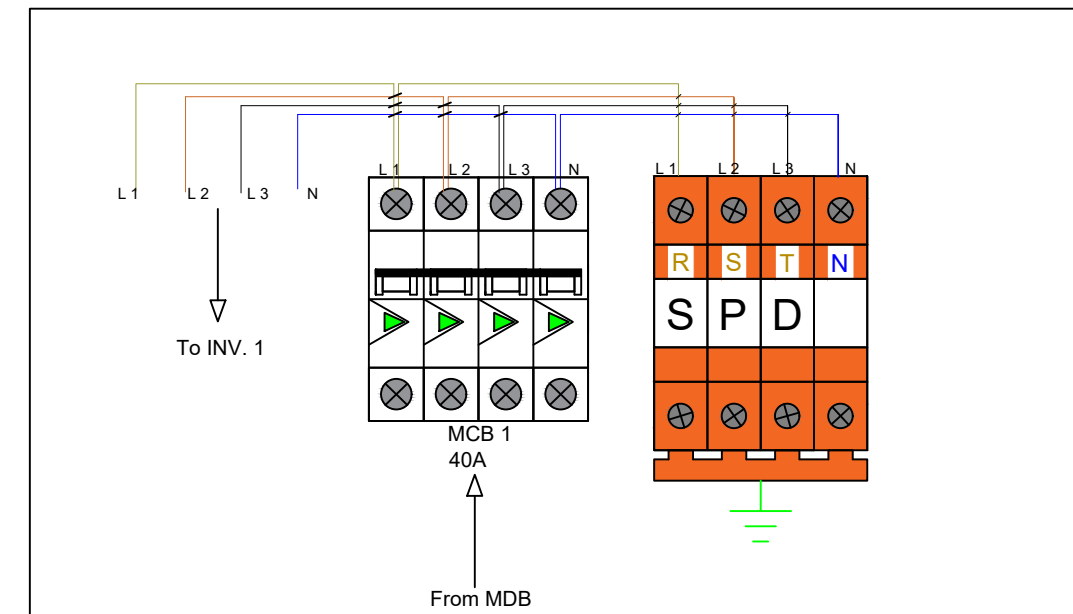
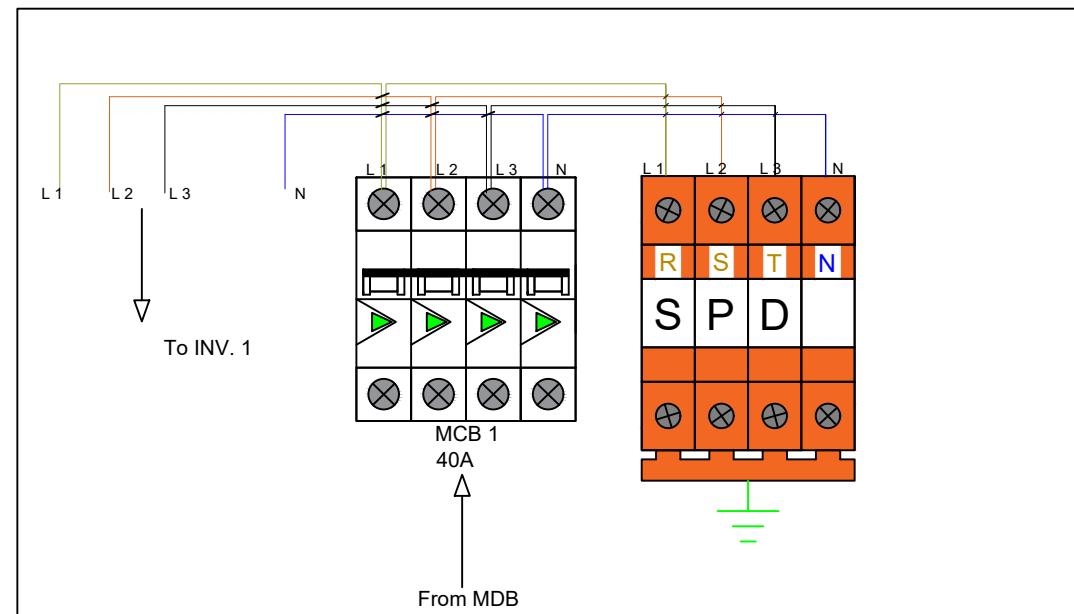
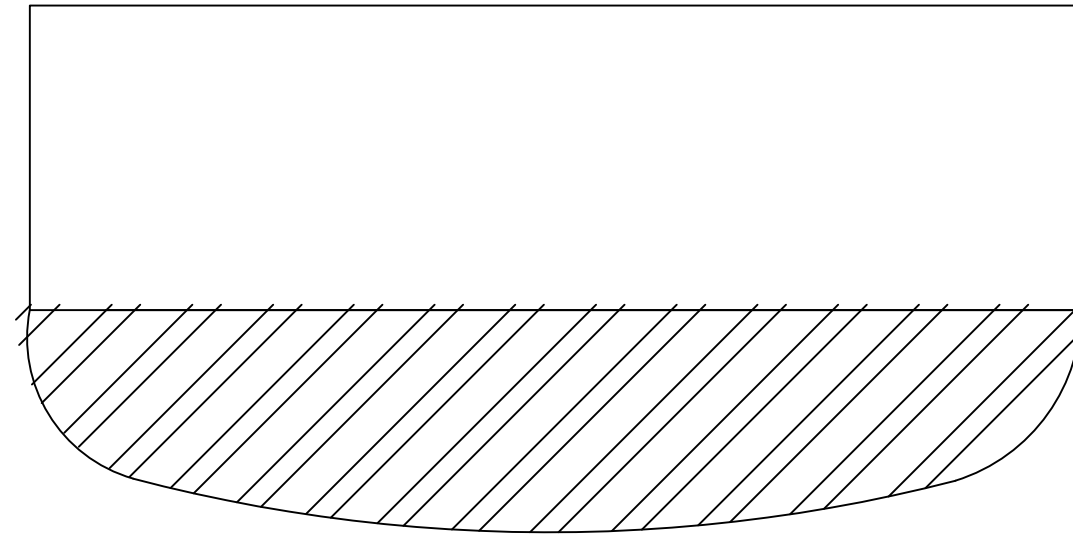
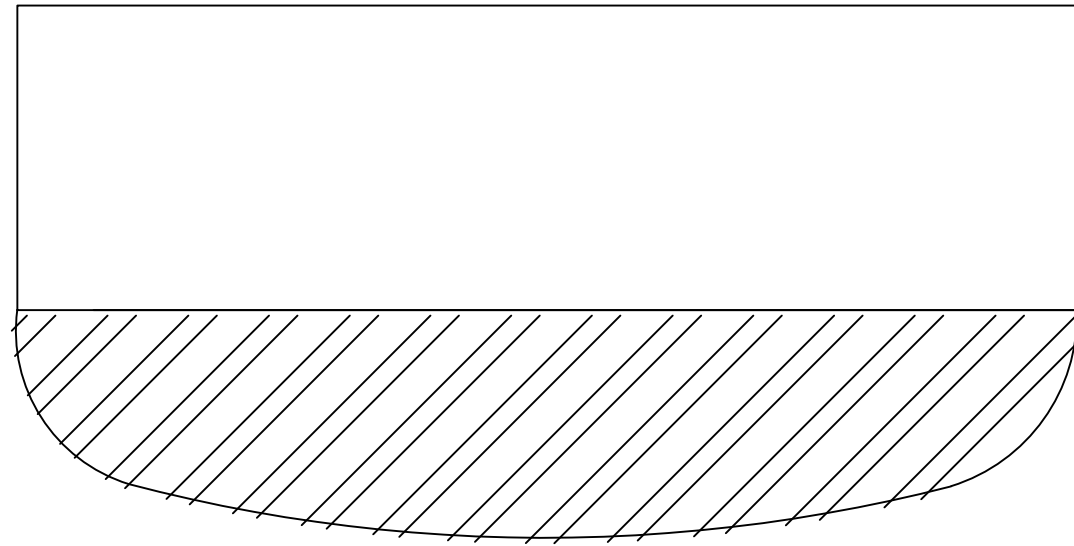
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Project Ref.:

PZA170421T-10040-Lot2

Designed by:

Drawing Title	DC Panel Detail	Date: 06-11-2023 Scale:
Designed by:	ALHARBANI FOR INDUSTRIAL TECHNOLOGY	Drawing No:
Checked by:	Walid Aboudi	L2-09
Approved by:	Walid Aboudi	
Coordinate Manager:	Alexis Doucet	



AC Box 1

AC Box 2

Notes

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Legend:

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NO.	DRAWINGS	DATE
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(3)		

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SUPPLY AND INSTALLATION OF ROOF-TOP SOLAR PHOTOVOLTAIC SYSTEMS ON SHEIKH SAAD BOYS' AND GIRLS' SCHOOL IN SHEIKH SAAD VILLAGE

Contracting Authority:



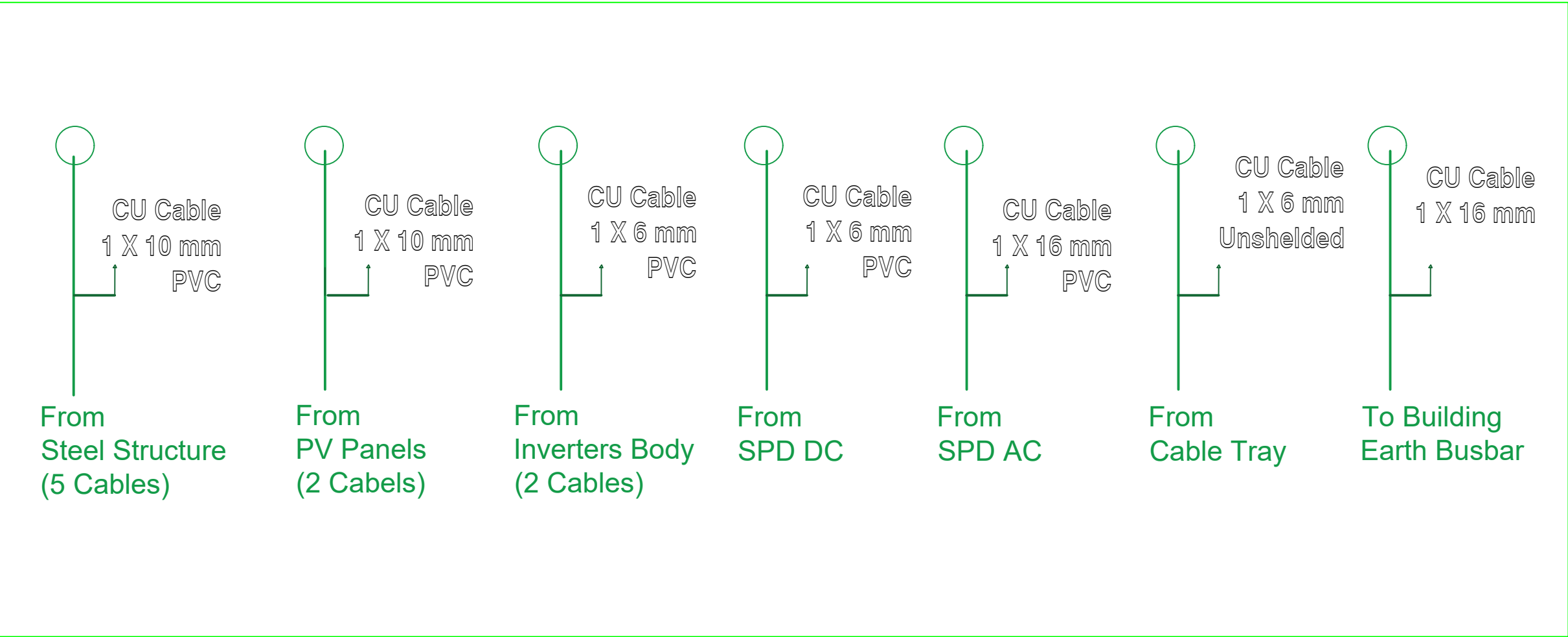
Project Ref.:

PZA170421T-10040-Lot2

Designed by:



Drawing Title	AC Panel Detail	Date: 06-11-2023 Scale:
Designed by: ALHARBAN FOR INDUSTRIAL TECHNOLOGY	Checked by: Walid Aboudi	Drawing No: L2-10
Approved by: Walid Aboudi	Coordinate Manager: Alexis Doucet	



- Notes:
- 1- All PV Panels must be earthed (Closed Loop).
 - 2- All Steel Structure must be earthed .
 - 3- Cable tray must be earthed.
 - 4-Each separate steel table should take main 10mm earth cable to box.
 - 5- Earth Ohm should be less than 3 Ohm.
 - 6- All DC & AC cables should be wired inside Industrial cable tray(with cover) and protection pipes

Notes

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REVISIONS		
NO.	DRAWINGS	DATE
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Project Name:

SUPPLY AND INSTALLATION OF ROOF-TOP SOLAR PHOTOVOLTAIC SYSTEMS ON SHEIKH SAAD BOYS' AND GIRLS' SCHOOL IN SHEIKH SAAD VILLAGE

Contracting Authority:



Project Ref.:

PZA170421T-10040-Lot2

Designed by:



Drawing Title	Earthing Box Detail	Date: 06-11-2023 Scale:
Designed by: ALHIRBANI FOR INDUSTRIAL TECHNOLOGY	Checked by: Walid Aboudi	Drawing No: L2-11
Approved by: Walid Aboudi	Coordinate Manager: Alexis Doucet	