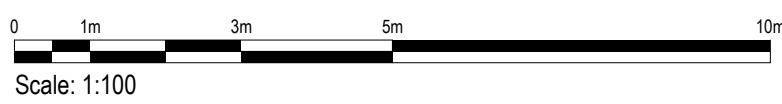
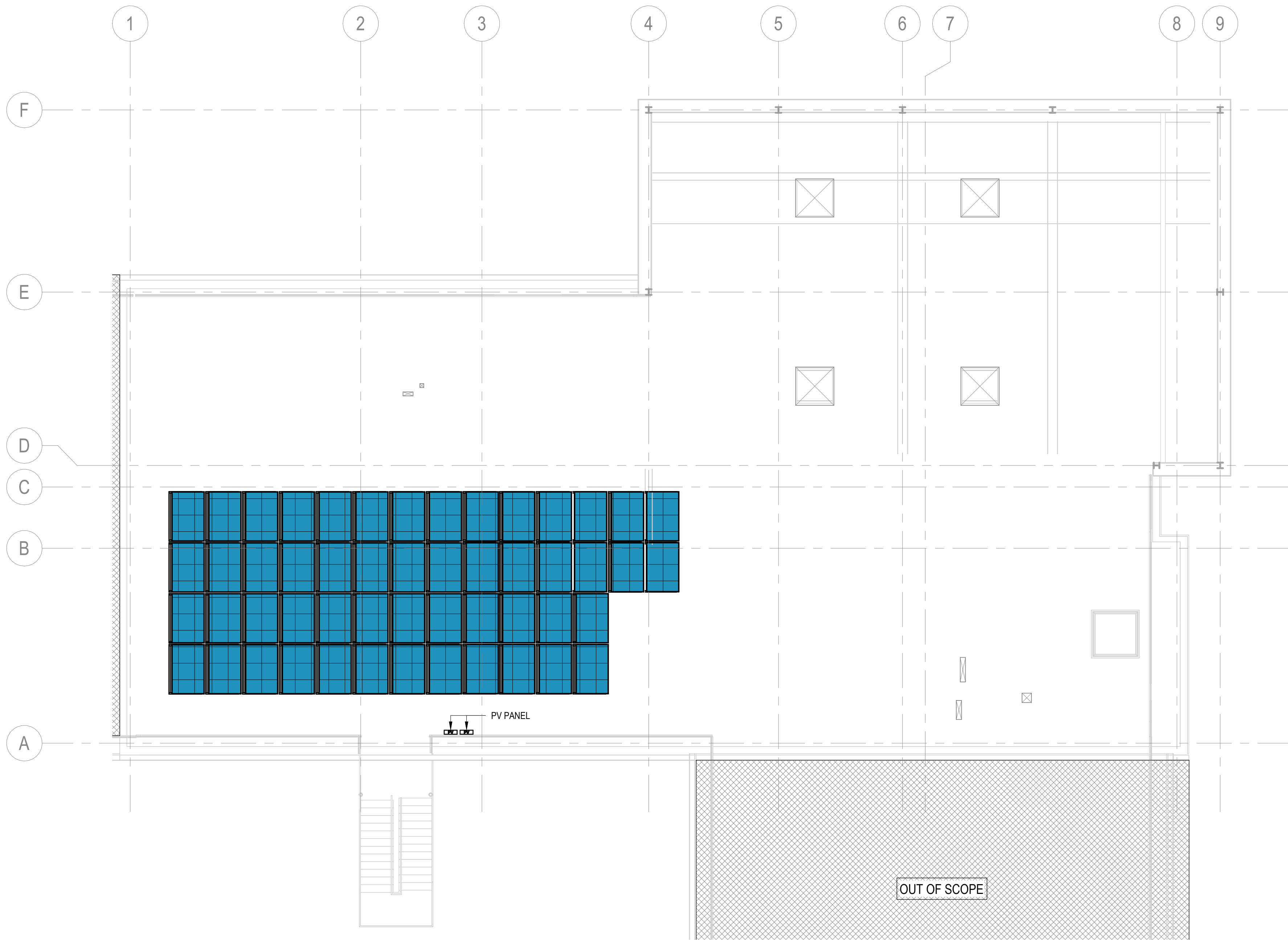


NOTE: THIS DRAWING HAS BEEN PRODUCED WITH THE INTENTION OF BEING VIEWED IN A COLOUR FORMAT FOR THE PURPOSE OF CLARITY. DO NOT COPY OR PRINT TO BLACK AND WHITE.



DO NOT SCALE

STANDARD NOTES:

PURPOSE OF DRAWING

- ☐ CONCEPT DRAWING
- ☐ DEVELOPED DESIGN DRAWING
- ☒ TECHNICAL DESIGN DRAWING

- THE DRAWING SHALL BE READ IN CONJUNCTION WITH THE SPECIFICATION AND ALL OTHER RELEVANT DOCUMENTS AND DRAWINGS PROVIDED BY WSP.
- THE DRAWING INDICATES THE DESIGN INTENT FOR THE WORKS.
- THE DRAWING DOES NOT INDICATE THE PRECISE POSITION OF SERVICES AND SHOWS THE INTENDED LOCATIONS OF BUILDING SERVICES ITEMS AND SERVICE ROUTES IN SUCH DETAILS AS TO INDICATE THE DESIGN. THE DRAWING DOES NOT SHOW ALL COMPONENTS THAT MAY BE NECESSARY TO LOCATE SERVICES IN A FULLY COORDINATED MANNER.
- THE POSITION OF ALL CONNECTION POINTS, ACCESSORIES, EQUIPMENT AND OTHER BUILDING SERVICES ITEMS AS SHOWN ON THE DRAWING ARE APPROXIMATE AND FOR GUIDANCE IN THE PREPARATION OF THE TENDER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CO-ORDINATION OF THE INSTALLATION AND SHALL TAKE ACCOUNT OF ALL THE OTHER WORKS AND TRADES EITHER DURING OR PRIOR TO THEIR INCORPORATION INTO THE WORKS.
- INSTALLATION DRAWINGS AND BUILDERS WORK DRAWINGS SHALL BE PREPARED BY THE CONTRACTOR.
- WSP IS NOT RESPONSIBLE FOR THE DESIGN AND COORDINATION OF ACCESS PLATFORMS, ACCESS COVERS, GRATING, LADDERS, STAIRS, RAILS, AND PROTECTING ELEMENTS REQUIRED FOR FUTURE MAINTENANCE AND OPERATION OF THE WORKS.
- THE DRAWING SHALL BE USED FOR THE INTENDED PURPOSE ONLY AND WSP WILL NOT BE HELD RESPONSIBLE FOR ANY OTHER USE.

DIMENSIONS:

- DIMENSIONS SHALL NOT TO BE SCALED FROM THE DRAWING AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL DIMENSIONS AND LEVELS ON SITE FOR THE ACTUAL SETTING OUT OF THE WORKS.
- WSP IS NOT RESPONSIBLE FOR CHECKING DIMENSIONS ON SITE.
- WSP IS NOT RESPONSIBLE FOR SETTING OUT GRID LINES, BUILDING LINES ETC.
- WSP IS NOT RESPONSIBLE FOR DIMENSIONS USED IN THE ORDERING AND MANUFACTURING OF EQUIPMENT AND THIS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

HEALTH AND SAFETY:

- THE DRAWING SHALL BE READ IN CONJUNCTION WITH THE HEALTH AND SAFETY INFORMATION PROVIDED IN THE TENDER DOCUMENTATION AND/OR WITHIN PRE-CONSTRUCTION INFORMATION.
- BEFORE COMMENCEMENT OF WORKS ASSOCIATED WITH THE DRAWING REFER TO ALL RELEVANT HEALTH AND SAFETY INFORMATION FOR THE WORKS INCLUDING RESIDUAL RISK INFORMATION.

PV SYSTEM DETAIL

NUMBER OF MODULES: 52
MINIMUM MODULE PEAK: 455W
MINIMUM SYSTEM PEAK: 23.66KWp
PV MODULES MINIMUM DISTANCE FROM PARAPET WALLS OR OTHER OBSTRUCTIONS +1.5M
PV MODULES MOUNTED AT 10 DEG
PV MODULES FACING 90 DEG FROM SOUTH
PV MODULE AREA + 109M2
ROOF INCLINATION + FLAT

PV NOTES

- PV DESIGN HAS BEEN BASED ON QUOTE PROVIDED FROM PHOTON ENERGY.
- SUPPORT SYSTEM SHALL NOT PENETRATE THE ROOF.
- PV SUPPLIER TO PROVIDE LOW LEVEL CONTAINMENT BETWEEN MODULES FOR STRINGS.
- DBB RELAY AND GENERATION METER TO BE INSTALLED.
- PV PROVISION SUBJECT TO CO-ORDINATION WITH ARCHITECT, FIRE ENGINEER AND ENERGY / OVERHEATING THERMAL MODELLING.
- INSTALLATION TO BE IN FULL ACCORDANCE WITH RO22 AND THE FIRE STRATEGY NOTING HOWEVER THAT A CONCRETE ROOF IS PROVIDED.
- PV CONTAINMENT TO BE ENCLOSED.
- ALL EXTERNAL CONTAINMENT TO BE LIDDED.
- A DC DISCONNECTION SWITCH (FIRE SERVICE SWITCH) IS TO BE PROVIDED.
- ARC SUPPRESSION AND POWER OPTIMISERS ARE TO BE PROVIDED IN LINE WITH RO22.
- REFER TO ARCHITECTURAL PACKAGE FOR WEATHERPROOF DETAILING OF ROOF PENETRATIONS.
- PV SYSTEM TO BE ON METAL FRAME, WEIGHTED DOWN. NO PLASTIC WILL BE ACCEPTED AS PART OF THE FRAME DUE TO COMBUSTIBLE NATURE AND POSSIBLE FIRE RISK.



DENOTES PROPOSED PV PANEL

PROJ	15032025	WSP	SCALE BAR NOTED	NO	AW
PROJ	27032025	WSP	REBA STAGE 4 ISSUE	NO	AW
PROJ	15032025	WSP	REBA STAGE 4 ISSUE	NO	AW
REV	DATE	BY	DESCRIPTION	CHK	APP

DRAWING STATUS

S3 - FOR REVIEW



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<http://www.wsp.com>

CLIENT

MORGAN SINDALL

ARCHITECT

NVB

PROJECT

ABBNEYFIELD SCHOOL

TITLE

ELECTRICAL SERVICES
PHOTOVOLTAIC ARRAY
ROOF LEVEL

SCALE @ A0

1 : 100

CHECKED

NG

APPROVED

AW

PROJECT NUMBER

UND043892 6380

DESIGNED

MJE

DRAWN

DK

DATE

MARCH 2025

DRAWING NO

26CD07-WSP-72-1RF-D-E-600001

REV

P03

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