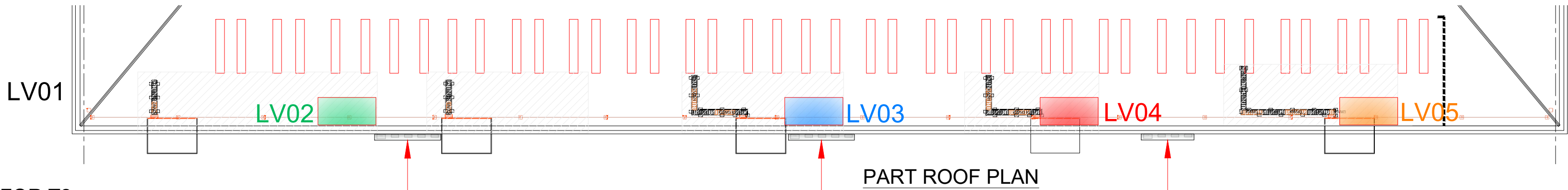




INDICATES PROPOSED EXTERNAL CABLE DROP ZONES FOR T2



INDICATES PROPOSED EXTERNAL CABLE DROP ZONES FOR T3, T4 & T5



INDICATES PROPOSED LOCATION FOR T2
4 No. INVERTERS FIXED TO WALL OR ON
BESPOKE FRAME FIXED TO HARD STANDING

INDICATES PROPOSED LOCATION FOR T3
4 No. INVERTERS FIXED TO WALL OR ON
BESPOKE FRAME FIXED TO HARD STANDING.
OVERHEAD CONTAINMENT ROUTE REQUIRED
IF ON HARD STANDING FRAMEWORK

PART ROOF PLAN

INDICATES PROPOSED INTERNAL LOCATION
FOR T5 3 No. INVERTERS FIXED TO WALL

INDICATES PROPOSED LOCATION FOR T4
3 No. INVERTERS FIXED TO WALL



AERIAL IMAGE OF INVERTER LOCATIONS

This drawing is property of SAS ENERGY Ltd. No attempt should be made to copy or re-sell the drawing without prior written authorisation by the Managing Director.
This drawing is not be scaled - written dimensions only to be used. Plan drawings indicative for reference only.

Notes:

Cable requirement/calculations based on SAS ENERGY document CBLDOC1 in accordance with the following:

1. The Electricity at Work Regulations
2. The Health & Safety at Work Act
3. BS 7671 Requirements for Electrical Installations
4. The IEE Wiring Regulations
5. BS EN 60904 Photovoltaic devices
6. BS EN 61173 Overvoltage protection for photovoltaic power generating systems
7. ENA ER G99 Recommendations for the connection of Generating Plant to Public Electricity Suppliers Distribution Systems
8. IEC 60364-7-712 Electrical installations in Buildings Part 7-712: Requirements for special installations or locations. Solar PV power supply systems.

THE CONSTRUCTION DESIGN AND DRAWING IS BASED ONLY ON THE PRE-CONSTRUCTION INFORMATION PROVIDED BY THE CLIENT. FAILURE BY THE CLIENT TO FURNISH INFORMATION THAT COULD BE AVAILABLE, MAY INCUR ADDITIONAL COSTS AT THE CLIENT'S EXPENSE, UPHELD BY CDM 2015 REG 5, GUIDANCE NOTE 43.

THE SIZE OF THE SOLAR PV CONNECTION POINT(S) HAVE BEEN DESIGNED BASED ON THE INFORMATION PROVIDED IN THE TENDER & OR SUPPLIED DRAWINGS. THE CORRECT SIZING (AMPERAGE, SHORT CIRCUIT TRIP TIME) & DISCRIMINATION OF EXISTING CIRCUITS WOULD NEED TO BE CLARIFIED THAT THEY ARE SUITABLE & RATED AS PER SUPPLIED INFORMATION BY YOU THE LANDLORD/CLIENT. SAS ENERGY LTD CANNOT BE HELD RESPONSIBLE FOR ANY ADVERSE ISSUES IF THE SUPPLIED INFORMATION IS INCORRECT.

ROOF ACCESS & LIFTING STRATEGY TO BE CONFIRMED IN THE APPROVED CPP AND RAMS.

THE INSTALLATION OF A ROOF MOUNTED PV SYSTEM WILL INCREASE FUTURE REQUIREMENTS FOR WORK ON THE ROOF AREA, WHICH MAY NEED FURTHER INVESTIGATION AND BE DETAILED IN THE H&S FILE SUPPLEMENTARY DOCUMENTATION.

DUE TO THE AGE AND CONDITION OF THE ROOF SHEETS, GUTTERS, AND MAKE-UP OF THE OVER CLAD ROOFING, THE CONTRACTOR CANNOT BE HELD RESPONSIBLE FOR ANY DAMAGE OR LEAKAGES OF ANY KIND, DUE TO THE INSTALLATION OF H&S CONTROLS, EDGE PROTECTION, FRAGILE SURFACE PROTECTION, SCAFFOLDING, WALKING AREAS, LOADING OR INSTALLATION. THE FINAL PV SYSTEM WILL NOT AFFECT THE INTEGRITY OF THE ROOF, BUT NO ROOF CONDITIONING PCI HAS BEEN SUPPLIED WITH REGARD TO THE PREVIOUS STATEMENT.

HANDRAILS, MAN SAFE AND SCAFFOLDING MAY BE REQUIRED FOR FUTURE MAINTENANCE OF THE PV SYSTEM, AS PART OF AN ONGOING CDM 2015 PROCESS.

ALL CONSTRUCTION DESIGNS AND DRAWINGS WILL BE DEEMED ACCEPTABLE TO BOTH THE CLIENT AND THE PD, UNDER CDM 2015, ON RECEIPT OF A WRITTEN CONTRACT, EMAILS, RELEVANT PURCHASE ORDER/S OR COMMENCEMENT OF WORK OF ANY KIND (INCLUDING ENABLING WORKS).



REV	REVISION DETAIL	BY	APV	DATE



CLIENT

FERN ROOFTOP SOLAR (A) LIMITED

JOB
MAN1
MANCHESTER AIRPORT,
6 SUNBANK LANE.
M90 5AA

TITLE
DC CABLE DROP LOCATION
LAYOUT

STATUS
90% DETAILED DESIGN

DRAWN	CHKD	DATE	SCALE
NT		1/4/2021	1:500 @ A1

DRAWING No.
MAN1_E32_LAY_DC CABLE LOCATION
LAYOUT_C1