

CLIENT APPROVAL SHEET

DRAWING CONTENTS

DRAWING TITLE	REVISION	DATE	BY	CHK	NOTES
SITE PLAN	RI	11/05/26	ND	AR	FIRST ISSUE

PV PLOT DETAILS	
-----------------	--

[illegible]

REVISION INPUT

REVISION HISTORY	
1	Initial Release
2	Minor updates to formatting
3	Added new section on data analysis
4	Revised conclusion based on feedback
5	Final review and approval

REVISION	DATE	DETAILS
RI	11/05/2026	FIRST ISSUE - CHERRYFIELD DRIVE KIRKBY OUTLET 3 DWH HA010-SITE SPECIFICATION REGISTER ISSUE C.PDF

STANDARD DETAILS

DRAWING TITLE	REVISION	DATE	BY	CHK	NOTES
IMPORTANT INFORMATION	R2	21/11/25	TH	CE	INFORMATION SHEET
ELECTRICAL LAYOUT	R2	21/11/25	TH	THALE	STANDARD DETAIL
AC LOFT SPACE	R3	21/11/25	TH	THALE	STANDARD DETAIL
AC CONSUMER UNIT	R5	21/11/25	TH	THALE	STANDARD DETAIL
CUPBOARD SPACE	R2	12/11/25	TH	THALE	STANDARD DETAIL
R1R LOFT SECTION	R6	23/04/26	TH	CE	STANDARD DETAIL
R1R LOFT PLAN	R6	23/04/26	TH	CE	STANDARD DETAIL
R1R LOFT SCHEMATIC	R6	23/04/26	TH	CE	STANDARD DETAIL
SCHEMATIC LIBRARY	R1	09/09/25	TH	CE	INFORMATION SHEET

PLOT NUMBERS WITH *
AGAINST THEM DO NOT
ADHERE TO SAP ORIENTATION.
PLEASE CHECK THE TARGET IS
STILL ACHIEVED.

SOLAR PV ARRANGEMENT
DAVID WILSON HOMES
HA582 CHERRYFIELD DRIVE
CLIENT CHECKING SHEET
SITE ID: 09342

DISCLAIMER:
DESIGNS CREATED BY ECO₂SOLAR ARE BASED ON
INFORMATION PROVIDED TO US FROM THE CLIENT. ECO₂SOLAR
CANNOT ACCEPT LIABILITY FOR ERRORS RESULTING FROM
INCORRECT INFORMATION SUPPLIED FROM THE CLIENT



CLIENT CHECKING - WE REQUIRE THE DESIGNS TO BE CHECKED, SIGNED AND RETURNED BEFORE PROJECTS CAN BE HANDED TO OPERATIONS

TICK BOX APPLICABLE		CLIENT NOTES	
CHECKED AND AGREED	☐		
CHECKED REQUIRES AMENDS	☐		CLIENT SIGNATURE (ABOVE)
REJECTED	☐		DATE:

IMPORTANT INFORMATION

ALL DRAWINGS HAVE BEEN DESIGNED USING INFORMATION PROVIDED BY YOUR TEAMS, ANY HOUSETYPE DISCREPANCIES RESULTING IN FAILED INSTALLS WILL BE REVIEWED BY ECO₂SOLAR AND CHARGES MAY BE APPLICABLE FOR REDESIGN FEES AND ABORTED VISITS.

ROOF MUST BE AT FELT AND BATTEN STAGE PRIOR TO ECO₂SOLAR FIRST FIX FAILURE TO COMPLY WILL RESULT IN ABORTED VISITS FEES AND DELAY.

FIRE STOPPING IS THE RESPONSIBILITY OF THE BUILDER. ALL INTER-BATTEN FIRE STOPPING SHOULD BE IN PLACE PRIOR TO OUR FIRST FIX ATTENDANCE.

CLEAR SCAFFOLD ACCESS IS REQUIRED TO ALL ROOF LEVELS ON ELEVATIONS DESIGNED FOR SOLAR INSTALLATION - ACCESS SHOULD NOT REQUIRE OPERATIVES TO CLIMB BARRIERS TO ACCESS LADDERS. CLEAR LOADING BAYS ARE REQUIRED.

IT IS THE ROOFING CONTRACTORS RESPONSIBILITY TO NEATLY TILE AROUND THE ARRAY, MAKING THE REQUIRED TILE CUTS AND CORRECTLY DRESSING THE BOTTOM FLASHINGS.

GSE INSTALLATIONS REQUIRE THE USE OF ADISEAL SILICONE ADHESIVE AROUND THE PERIMETER AND ZIGZAG THROUGH THE MIDDLE WHEN DRESSING DOWN SEMI-RIGID BOTTOM FLASHING. PLEASE REFER TO OUR SITE GUIDE FOR FURTHER DETAILS.

PRIOR TO SECOND FIX THE PLOT MUST HAVE PERMANENT POWER FROM THE GRID - WE CANNOT ACCEPT PLOTS POWERED BY GENERATOR OR DNO GENERATOR. THIS IS DUE TO PV EXPORT.

- THE PLOT SHOULD HAVE THE SPECIFIED CABLING FROM INVERTER LOCATION TO CONSUMER UNIT IN PLACE - SPECIFIED ON SCHEMATICS
- THE PLOT WILL HAVE A WORKING PLATFORM (FOR INVERTERS IN LOFTS) INSTALLED BY THE LOFT HATCH FOR OUR TEAMS TO SAFELY ACCESS THE INVERTER LOCATION. - ECO₂SOLAR WILL SUPPLY TEMPORARY PLATFORM FOR PLOTS WHERE WORKING PLATFORM IS NOT SUPPLIED
- THE PLOT WILL HAVE THE SPECIFIED SIZE BI-DIRECTIONAL B CURVE DOUBLE POLE TYPE A RCBO INSTALLED.
- THE PLOT WILL HAVE THE SPECIFIED SIZE MAIN SWITCH IN THE CONSUMER UNIT.
- TIMBER UPRIGHTS WILL BE INSTALLED INLINE WITH LOFT HATCH TO ALLOW FOR FIXATION OF ECO₂SOLAR'S FIREPROOF BOARD

CAT5/6 SHOULD BE INSTALLED FROM THE INVERTER LOCATION (SECURED TO UPRIGHTS) TO THE EXTERNAL METER LOCATION. THIS ALLOWS FOR EXPORT LIMITATION SHOULD THE DNO REQUIRE IN THE FUTURE. DNO APPROVAL WILL OFTEN COME AFTER PLOTS ARE BEING INSTALLED SO THIS IS CRITICAL TO AVOID HUGE DISRUPTION TO PLASTERED PLOTS.

CAT5/6 PATCH PLATE REQUIRED WITH A 4 PORTS FOR Eco2SOLAR PURPOSES. ELECTRICAL CONTRACTORS TO PROVIDE CAT5/6 CABLE FROM KIT LOCATION TO PATCH PLATE LOCATION AND MADE OFF TO STANDARD RJ45 T-568B. REFER TO SCHEMATICS FOR CAT5/6 REQUIREMENTS.

LOCAL LOOP OF AC CABLE IS TO BE PROVIDED BETWEEN THE INVERTER AND THE CONSUMER UNIT IN THE DESIRED AC ISOLATOR LOCATION (MIN 300MM SLACK)

COILS OF CABLE LEFT IN THE LOFT SHOULD BE CLIPPED ABOVE THE LEVEL OF THE INSULATION TO PREVENT DISTURBING THE FINAL INSULATION

ANY PLOTS WHERE THE INVERTER IS NOT IN THE LOFT. ONLY PV ULTRA SWA CABLE WILL BE ACCEPTED. STANDARD CABLE OR SWA CABLE IS NOT IN LINE WITH REGULATIONS

ELECTRICAL CONTRACTORS ARE REQUIRED TO ROUTE AC CABLING TO INVERTER LOCATION LEAVING 3000MM COIL (SECURED TO UPRIGHTS AT LEAST 300MM ABOVE THE INSULATION). RIR PLOTS REQUIRE PV ULTRA SWA CABLE TO BE RUN FROM INVERTER LOCATION, TO LOCATION HIGHLIGHTED ON ECO₂SOLAR AS DC ENTRY POINT, THIS HAS BEEN AGREED AT GROUP LEVEL AS SHOWN. FOR REFERENCE:

- STANDARD INSTALL - DC ENTRY 2ND FELT LAP FROM EAVES
- ROOM IN ROOF INSTALL (LOFT) - DC ENTRY 1ST FELT LAP FROM RIDGE
- ROOM IN ROOF INSTALL (EAVES) - DC ENTRY 2ND FELT LAP FROM EAVES

ALL BATTERY AND BATTERY READY INSTALLATIONS WILL BE UNDERTAKEN IN LINE WITH PAS63100 GUIDANCE.

SINGLE PHASE INVERTERS REQUIRE MINIMUM 300MM VENTILATION SPACE ON TOP AND EITHER SIDE WITH 500MM BELOW.

SITES WHERE DNO APPROVAL HAS NOT YET BEEN RECEIVED WILL REQUIRE THE ISOLATOR TO BE PADLOCKED. REMOVING THE PADLOCK PRIOR TO CONSENT IS AN OFFENCE AND CAN LEAD TO FINES AND PROSECUTION

PLEASE ENSURE THAT YOU INCLUDE SCHEMATICS IN YOUR REVIEW OF OUR INFORMATION. THIS IS IMPORTANT FOR YOUR ELECTRICAL CONTRACTOR TO HAVE REFERENCE TO FOR THEIR ELECTRICAL 1ST FIX TO AVOID ANY DELAYS TO PROGRAMME

FAILURE TO COMPLY WILL RESULT IN ABORTED VISIT FEES AND DELAY.

INCLUSIONS/EXCLUSIONS	SUPPLIED AND INSTALLED BY	
	ECO ₂ SOLAR	OTHERS
MCS APPROVED PV PANELS	X	
MCS APPROVED FIXING SYSTEM FOR SYSTEM QUOTED	X	
SINGLE CORE DC CABLE	X	
DC ISOLATORS	X	
GRID APPROVED INVERTERS INCLUDING FIRE RETARDANT BOARD	X	
GENERATION METER	X	
AC ISOLATORS x2	X	
DC WORKS FULLY INSTALLED BY ECO ₂ SOLAR	X	
COMMISSIONED BY ECO ₂ SOLAR	X	
FULL WORKING DRAWINGS	X	
DNO APPLICTAION	X	
USER MANUALS/HANDOVER PACKS	X	
EXPORT LIMITATION DEVICES (IF REQUIRED) AT ADDITIONAL COST	X	
6MM² AC SUPPLY CABLE INSTALLED FROM CONSUMER UNIT (CU)/DISTRIBUTION BOARD (DB) TO INVERTER LOCTAION. (PLEASE SEE SITE GUIDE, SCHEMATICS AND TECHNICAL PLOT SCHEDULE FOR DETAILED SPECIFICATION)		X
CAT5/6 STP CABLE INSTALLED FROM EXTERNAL METER BOX TO INVERTER LOCATION		X
TYPE A BI DIRECTIONAL DOUBLE POLE RCBO IN THE HIGH INTEGRITY CU/DB		X
1.2M x 1.2M LANDING DECK/PLATFORM NEXT TO THE LOFT HATCH (INVERTER IN LOFT) ECO ₂ SOLAR WILL SUPPLY WHERE NOT PROVIDED		X
PROVIDE x2 SOLID VERTICAL TIMBER UPSTANDS NEXT TO THE LOFT HATCH 600MM APART FO INVERTER BOARD (INVERTER IN LOFT)		X
PV ULTRA SWA OR DC CABLE CONTAINMENT WITHIN THE BUILDING (INVERTER LOCATION DEPENDING)		X
CONNECTION CHARGES OR NETWORK STUDY COSTS FROM DNO		X
HEAT/SMOKE DETECTORS & FIRE STOPPING ON PARTY WALLS		X
PRODUCTION OF BS7671 CERTIFICATE FOR AC CABLE INSTALLED BY OTHERS		X
LIGHTNING PROTECTION AND SURGE PROTECTION FOR PV SYSTEM		X
SACRIFICIAL LAYER/MEMBRANE (IF NEEDED) ON FLAT ROOF		X
CABLE ENTRY PROVIDED		X
INSTALLATION OF IMPORT/EXPORT METER OR GSM METER		X
STRUCTURAL ASSESSMENT/CALCULATIONS TO CONFIRM ROOF CAN SUPPORT THE LOADS GENERATED BY THE PV SYSTEM		X
APPLICATION FOR PLANNING AND BUILDING CONTROL APPROVAL		X
CHOICE OF ELECTRICTY SUPPLIER, INFORMING ELECTRICITY SUPPLIER OF INSTALLATION OR NEGOTIATION OF SEG		X
SAFE WORKING ENVIRONMENT (SCAFFOLDING/EDGE PROTECTION)		X
SITE ACCESS/LIFTING EQUIPMENT/BANKSMAN/SLINGER/SIGNALLER		X
OFF-LOADING FACILITIES		X
SITE WELFARE		X
PARKING		X

PROJECT SPECIFIC NON-STANDARD ELEMENTS

SEE DRAWINGS/QUOTE FOR ADDITIONAL INFORMATION

TIGO OPTIMISERS

NOT REQUIRED

ARC BOXES

NOT REQUIRED

BATTERIES

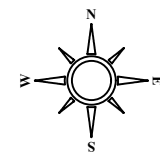
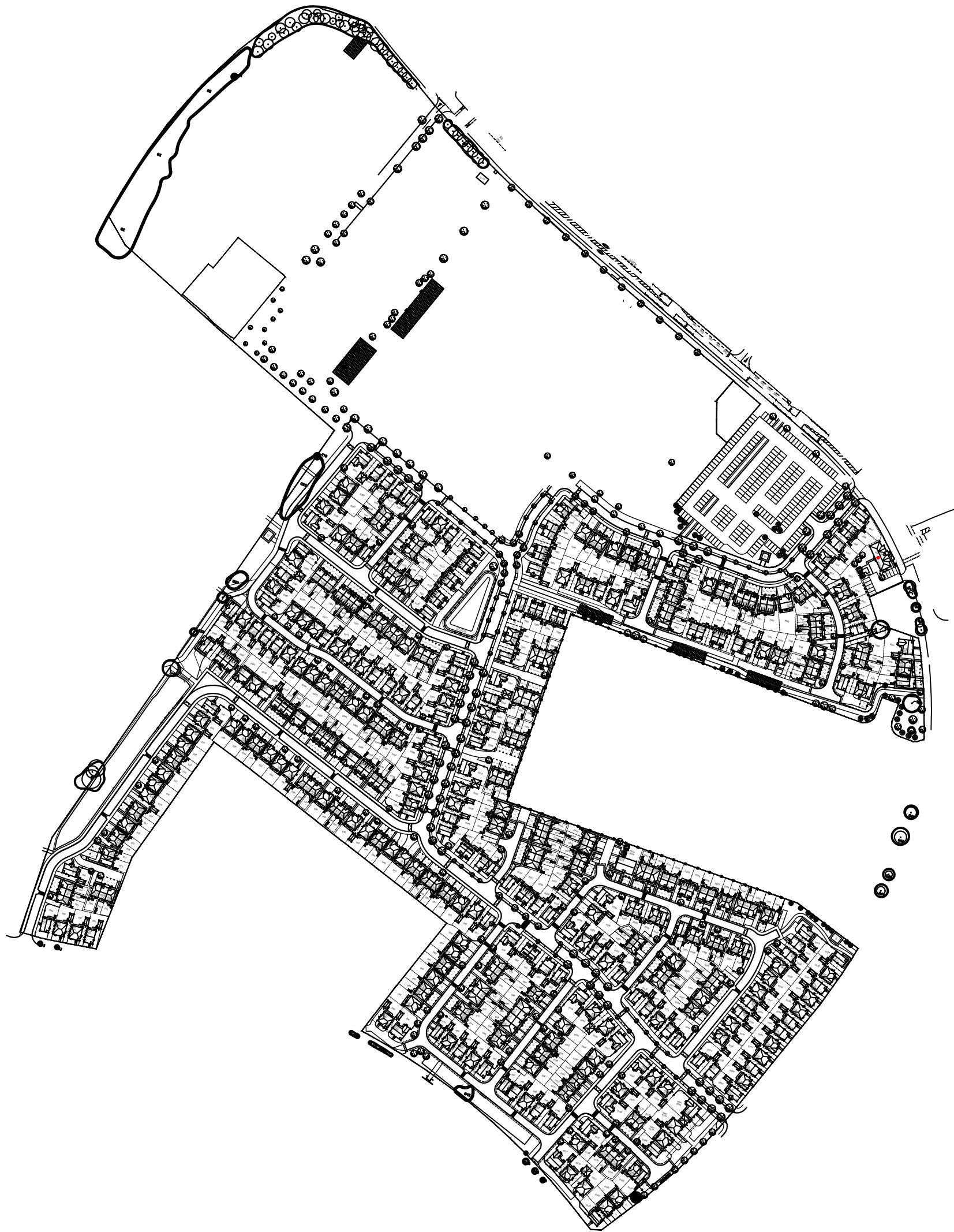
NOT REQUIRED

ROOM IN ROOF

DAVID WILSON HOMES - LOFT



SUMMERFIELD HOUSE, ARTHUR DRIVE
H00 FARM INDUSTRIAL ESTATE
KIDDERMINSTER, WORCESTERSHIRE
DY11 7SL



PLAN VIEW

SOLAR PV ARRANGEMENT DAVID WILSON HOMES HA582 CHERRYFIELD DRIVE SITE LAYOUT SITE ID: 09342

PLOTS WITH PV
INDICATED ON SITE PLAN

DRAWN BY: ND
DATE: 11/05/26
CHECKED BY: AR
DATE: 12/05/26
REVISION: RI

DISCLAIMER:
DESIGNS CREATED BY ECO₂SOLAR ARE BASED ON
INFORMATION PROVIDED TO US FROM THE CLIENT. ECO₂SOLAR
CANNOT ACCEPT LIABILITY FOR ERRORS RESULTING FROM
INCORRECT INFORMATION SUPPLIED FROM THE CLIENT



Powered by



SUMMERFIELD HOUSE, ARTHUR DRIVE
HOO FARM INDUSTRIAL ESTATE
KIDDERMINSTER, WORCESTERSHIRE
DY11 7SL

INDIVIDUAL SUPPLY -
INVERTERS TO BE LOCATED IN GROUND FLOOR/FIRST FLOOR CUPBOARD
PLEASE SEE SCHEMATIC (END OF PACK) FOR CABLING REQUIREMENTS

①

SOLAR PV DESIGN -
ELEVATION TREATMENT MAY VARY

SOLAR PV ARRANGEMENT
DAVID WILSON HOMES
HA582 CHERRYFIELD DRIVE
BLOCK T001-T006
SITE ID: 09342



STRING KEY					
●	STRING 1	2	●	STRING 2	2
●	STRING 3	2	●	STRING 4	2
●	STRING 5	0	●	STRING 6	0
●	STRING 7	0	●	STRING 8	0

✦ DC CABLE ENTRY 2ND FELT LAP T TIGO OPTIMISER

DRAWN BY: ND
DATE: 11/05/26
CHECKED BY: AR
DATE: 12/05/26
POSITION: PORTRAIT
REVISION: RI
SCHEMATIC CODE: APT BLOCK - BESPOKE

DISCLAIMER:
DESIGNS CREATED BY ECO₂SOLAR ARE BASED ON
INFORMATION PROVIDED TO US FROM THE CLIENT. ECO₂SOLAR
CANNOT ACCEPT LIABILITY FOR ERRORS RESULTING FROM
INCORRECT INFORMATION SUPPLIED FROM THE CLIENT

NOT TO SCALE

eco₂solar

Powered by
e-on
next

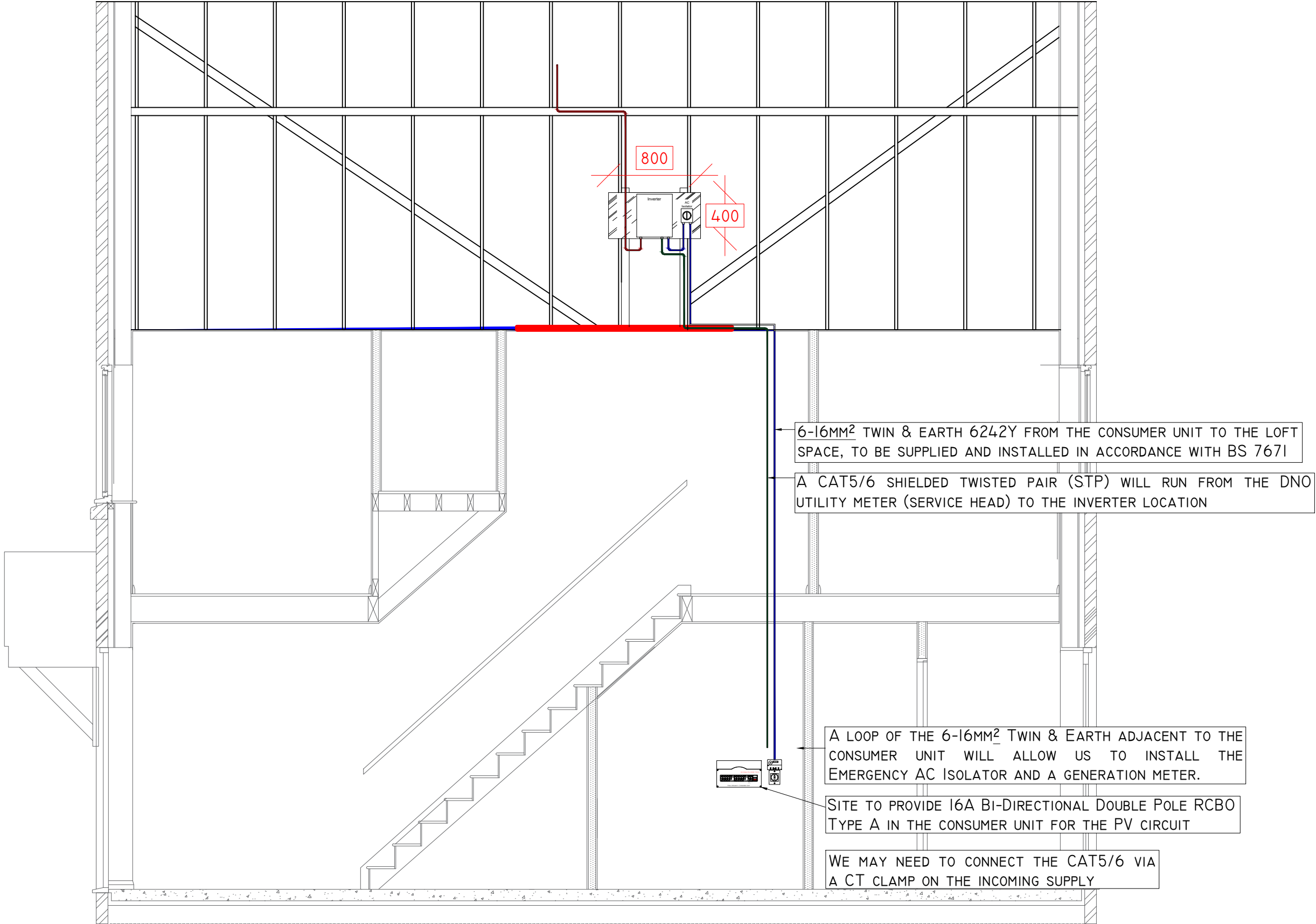
SUMMERFIELD HOUSE, ARTHUR DRIVE
HOO FARM INDUSTRIAL ESTATE
KIDDERMINSTER, WORCESTERSHIRE
DY11 7SL

AS SHOWN - T001, T002, T005, T006

MIRRORED - NONE

REAR ELEVATION

STANDARD ELECTRICAL LAYOUT



SOLAR PV ARRANGEMENT
DAVID WILSON HOMES
HA582 CHERRYFIELD DRIVE
ELECTRICAL LAYOUT
SITE ID: 09342

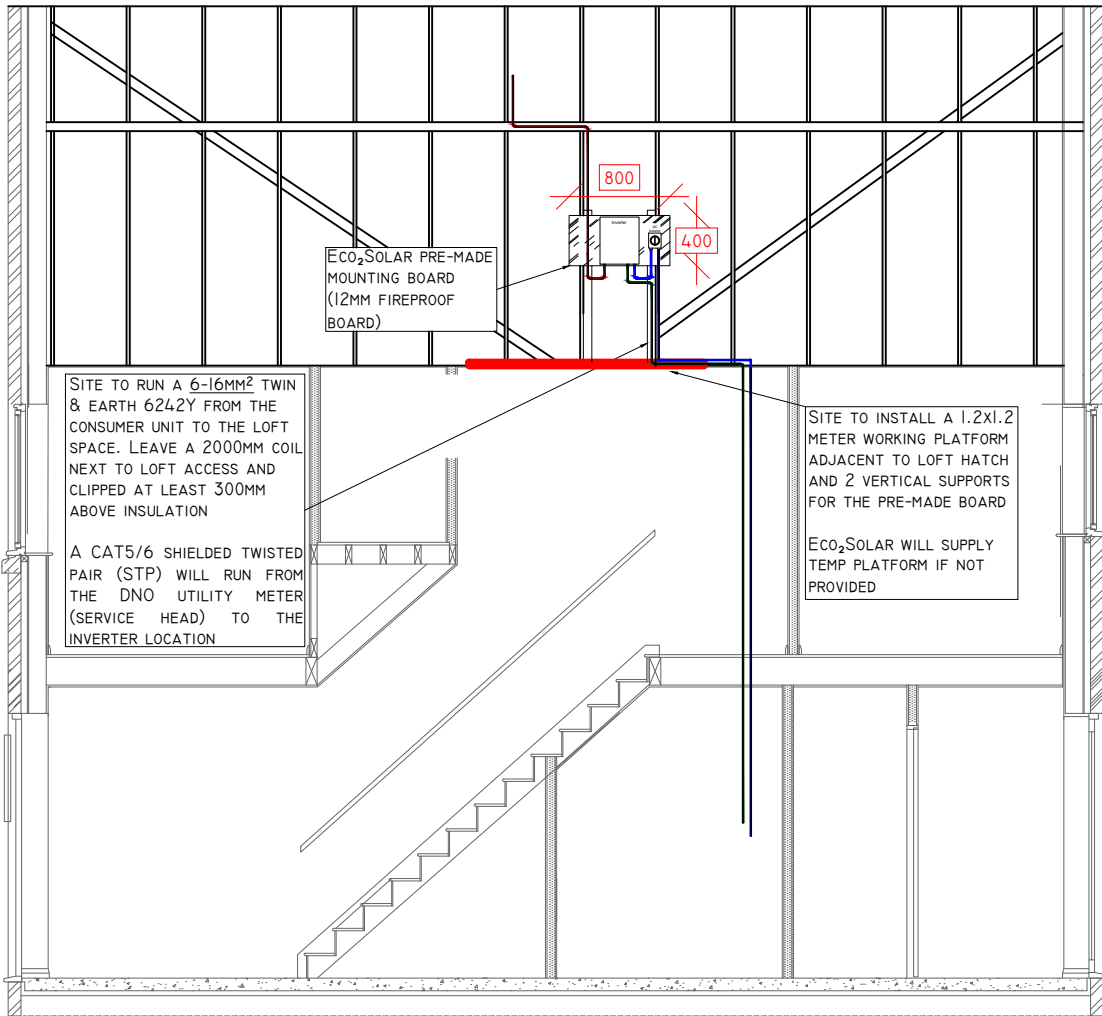
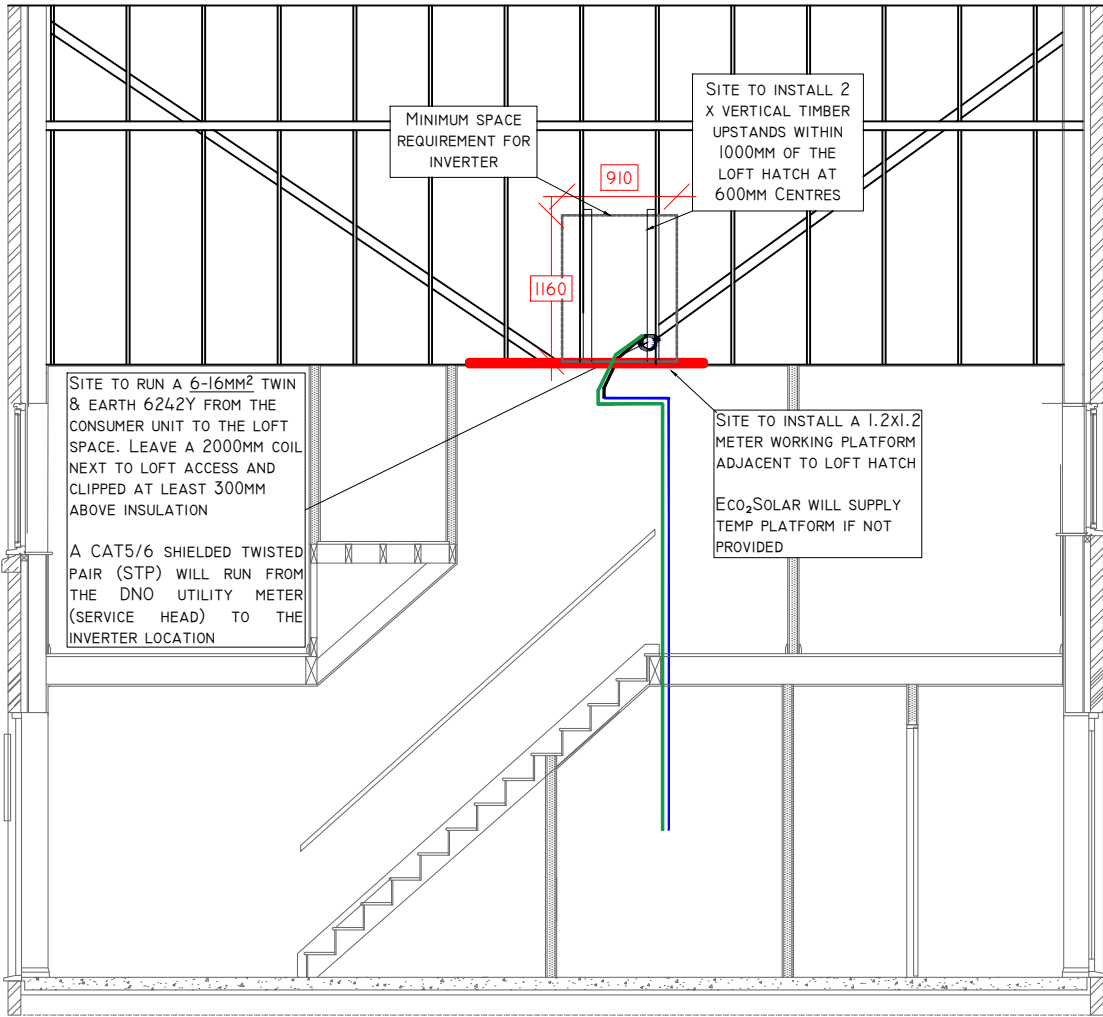
DRAWN BY: TH
DATE: 21/11/2025
CHECKED BY: THALE
DATE: 21/11/2025
SCALE @ A3: NTS
REVISION: R3

DISCLAIMER:
DESIGNS CREATED BY ECO₂SOLAR ARE BASED ON INFORMATION PROVIDED TO US FROM THE CLIENT. ECO₂SOLAR CANNOT ACCEPT LIABILITY FOR ERRORS RESULTING FROM INCORRECT INFORMATION SUPPLIED FROM THE CLIENT



SUMMERFIELD HOUSE, ARTHUR DRIVE
HOO FARM INDUSTRIAL ESTATE
KIDDERMINSTER, WORCESTERSHIRE
DY11 7SL

LOFT SPACE



SOLAR PV ARRANGEMENT
DAVID WILSON HOMES
HA582 CHERRYFIELD DRIVE
AC LOFT SPACE
SITE ID: 09342

DRAWN BY: TH
DATE: 21/11/2025
CHECKED BY: THALE
DATE: 21/11/2025
SCALE @ A3: NTS
REVISION: R3

DISCLAIMER:
DESIGNS CREATED BY ECO₂SOLAR ARE BASED ON INFORMATION PROVIDED TO US FROM THE CLIENT. ECO₂SOLAR CANNOT ACCEPT LIABILITY FOR ERRORS RESULTING FROM INCORRECT INFORMATION SUPPLIED FROM THE CLIENT

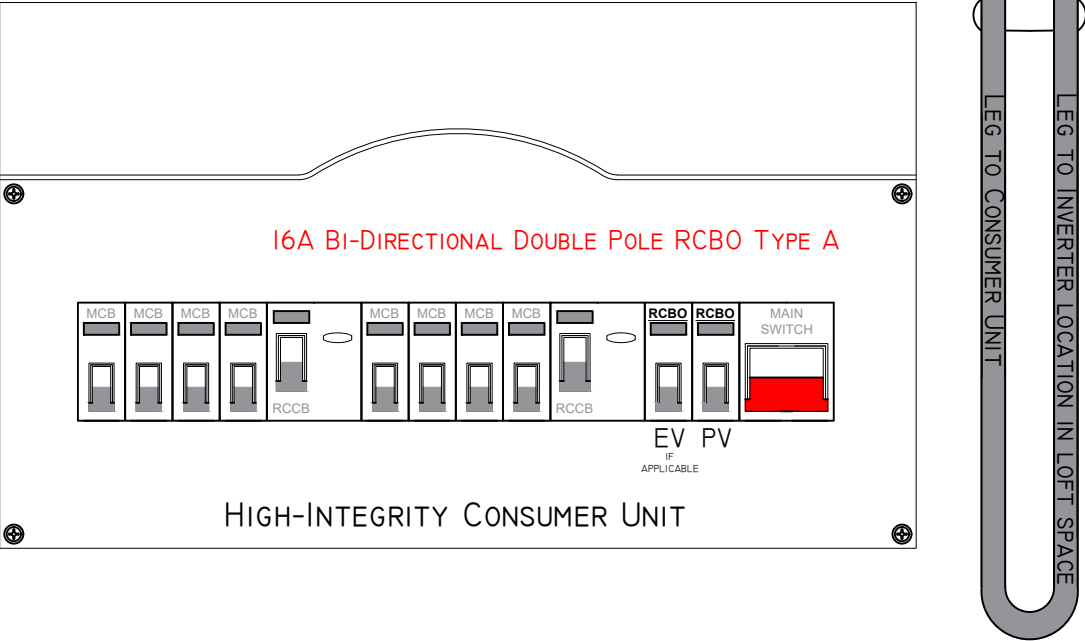


SUMMERFIELD HOUSE, ARTHUR DRIVE
H00 FARM INDUSTRIAL ESTATE
KIDDERMINSTER, WORCESTERSHIRE
DY11 7SL

BEFORE SOLAR 2ND FIX

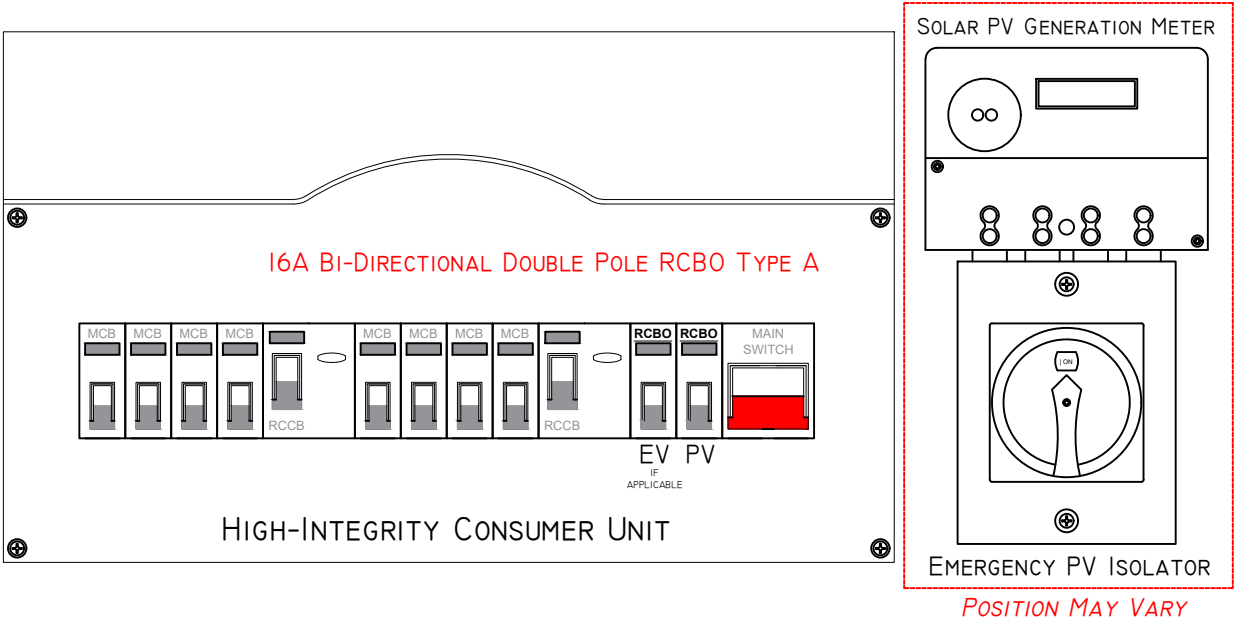
AFTER SOLAR 2ND FIX

CONSUMER UNIT



BEFORE SOLAR 2ND FIX

- * THE SITE ELECTRICAL CONTRACTOR SHALL INSTALL A CONTINUOUS 6MM² TWIN & EARTH 6242Y FROM THE CONSUMER UNIT VIA A (LOCAL) LOOP AND THEN TO THE LOFT SPACE NEAR THE ACCESS HATCH.
- * THE SUPPLY CABLE SHALL BE SELECTED AND INSTALLED SO AS TO COMPLY WITH THE LATEST REQUIREMENTS OF BS 7671
- * AT THE CONSUMER UNIT LOCATION, THE LOCAL LOOP NEEDS TO PROJECT OUT 300MM SO OUR ELECTRICIANS CAN INSTALL THE AC ISOLATOR AND GENERATION METER
- * PLEASE LEAVE APPROXIMATELY 300MM OF CABLE INSIDE THE CONSUMER UNIT. PLEASE DO NOT TERMINATE THE CABLE, Eco₂SOLAR WILL DO THIS DURING T&C OF THE SYSTEM.
- * PLEASE PROVIDE A 16A BI-DIRECTIONAL DOUBLE POLE RCBO TYPE A FOR THE PV CIRCUIT
- * IN THE LOFT SPACE, PLEASE LEAVE 3000MM OF CABLE CLIPPED AT LEAST 300MM ABOVE THE INSULATION.



AFTER SOLAR 2ND FIX

SOLAR PV ARRANGEMENT
DAVID WILSON HOMES
HA582 CHERRYFIELD DRIVE
AC CONSUMER UNIT
SITE ID: 09342

DRAWN BY: TH
DATE: 21/11/2025
CHECKED BY: THALE
DATE: 21/11/2025
SCALE @ A3: NTS
REVISION: R5

DISCLAIMER:
DESIGNS CREATED BY Eco₂SOLAR ARE BASED ON INFORMATION PROVIDED TO US FROM THE CLIENT. Eco₂SOLAR CANNOT ACCEPT LIABILITY FOR ERRORS RESULTING FROM INCORRECT INFORMATION SUPPLIED FROM THE CLIENT

eco₂solar

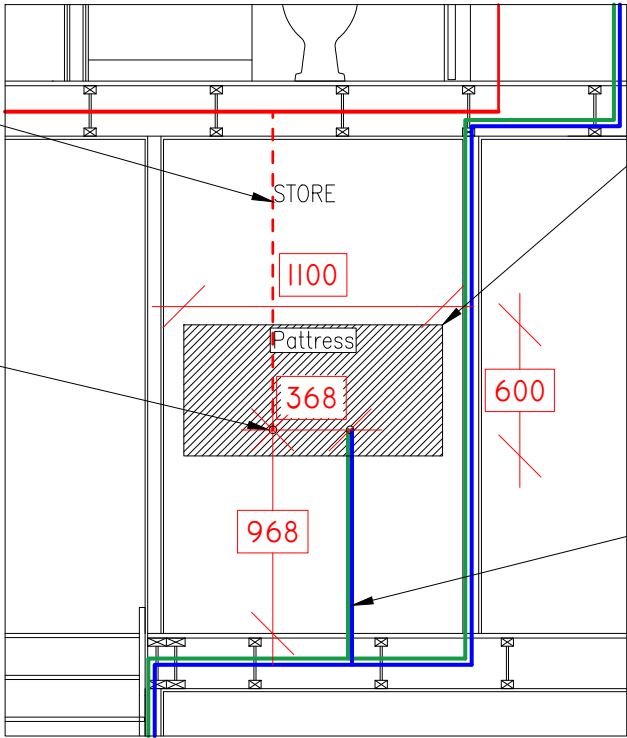
Powered by
e-on
next

SUMMERFIELD HOUSE, ARTHUR DRIVE
HOO FARM INDUSTRIAL ESTATE
KIDDERMINSTER, WORCESTERSHIRE
DY11 7SL

CUPBOARD SPACE

PV ULTRA SWA CABLES SHOULD BE RUN WITHIN THE STUD WORK AND NOT SURFACE MOUNTED

PRE DRILLED HOLES FOR CABLE ENTRY INTO STORE CENTRALISED TO WALL WIDTH



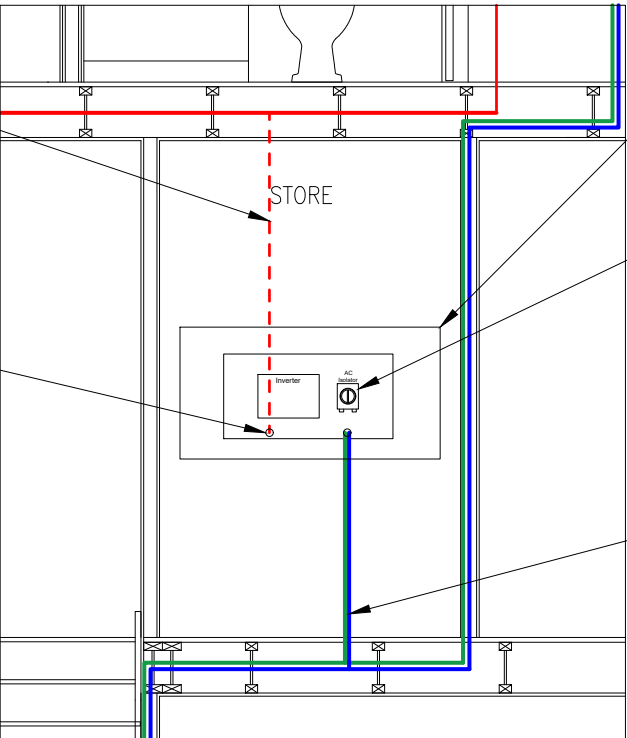
PATTRESS REQUIRED FOR SECURE FIXATION OF FIREPROOF BOARD

AC/CAT5/6 CABLES SHOULD BE RUN WITHIN THE STUD WORK AND NOT SURFACE MOUNTED

NOTE:
WHERE INVERTERS ARE LOCATED IN BULKHEAD CUPBOARDS A MINIMUM OF 500MM CLEAR SPACE SHOULD BE PROVIDED FROM THE FINISHED LEVEL TO THE INVERTER. THE CABLE PENETRATIONS SHOULD BE 70MM BELOW THE PROPOSED BOTTOM LEVEL OF THE INVERTER

PV ULTRA SWA CABLES SHOULD BE RUN WITHIN THE STUD WORK AND NOT SURFACE MOUNTED

PRE DRILLED HOLES FOR CABLE ENTRY INTO STORE CENTRALISED TO WALL WIDTH



PATTRESS REQUIRED FOR SECURE FIXATION OF FIREPROOF BOARD

TOP OF AC ISOLATOR NO HIGHER THAN 1200MM FROM FFL FOR PLOTS COMPLIANT TO M4(1) & M4(2). NO HIGHER THAN 1100MM FOR PLOTS COMPLIANT TO M4(3)

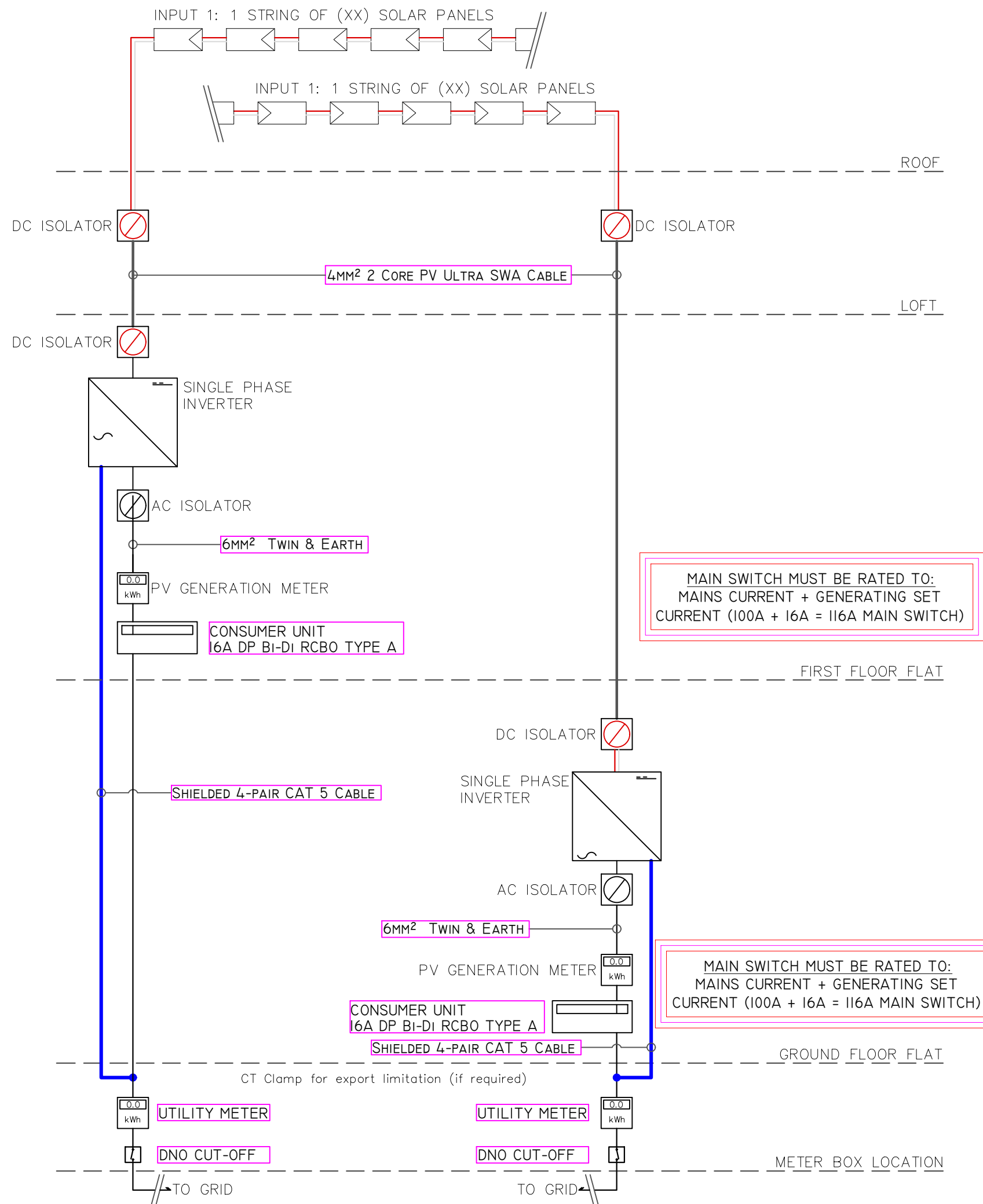
AC/CAT5/6 CABLES SHOULD BE RUN WITHIN THE STUD WORK AND NOT SURFACE MOUNTED

SOLAR PV ARRANGEMENT
DAVID WILSON HOMES
HA582 CHERRYFIELD DRIVE
CUPBOARD SPACE
SITE ID: 09342

DRAWN BY: TH
DATE: 12/11/2025
CHECKED BY: THALE
DATE: 12/11/2025
SCALE @ A3: NTS
REVISION: R2

DISCLAIMER:
DESIGNS CREATED BY ECO₂SOLAR ARE BASED ON INFORMATION PROVIDED TO US FROM THE CLIENT. ECO₂SOLAR CANNOT ACCEPT LIABILITY FOR ERRORS RESULTING FROM INCORRECT INFORMATION SUPPLIED FROM THE CLIENT

eco₂solar | Powered by e-on next
SUMMERFIELD HOUSE, ARTHUR DRIVE
HOO FARM INDUSTRIAL ESTATE
KIDDERMINSTER, WORCESTERSHIRE
DY11 7SL



SCHEMATIC LIBRARY

APT BLOCK - BESPOKE

DRAWN BY: EG
DATE: 29/05/26
CHECKED BY: NC
DATE: 29/05/26

DISCLAIMER:
DESIGNS CREATED BY Eco₂SOLAR ARE BASED ON
INFORMATION PROVIDED TO US FROM THE CLIENT. Eco₂SOLAR
CANNOT ACCEPT LIABILITY FOR ERRORS RESULTING FROM
INCORRECT INFORMATION SUPPLIED FROM THE CLIENT

NOT TO SCALE



SUMMERFIELD HOUSE, ARTHUR DRIVE
HOO FARM INDUSTRIAL ESTATE
KIDDERMINSTER, WORCESTERSHIRE
DY11 7SL