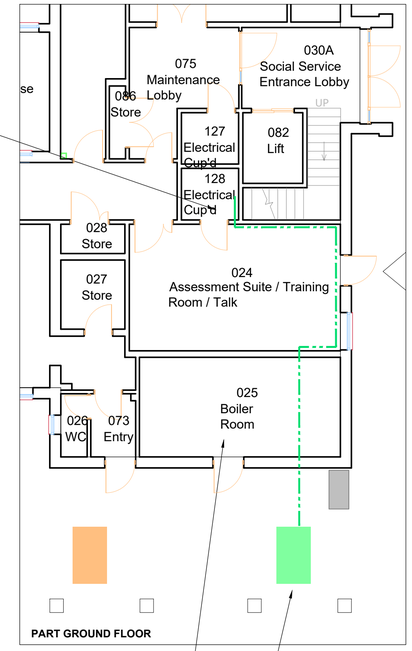


TYPICAL PV PANELS ON PITCHED ROOF



INSTALL CIRCA 40 x 425W PANELS (17kW TOTAL) CIRCA 79.9m² ON SOUTH FACING PITCHED ROOF SPACES, COMPLETE WITH 30 kWh BATTERY STORAGE IN THE PLANT ROOM.

EXISTING ELECTRICAL SWITCHGEAR



NEW POWER WIRING / BMS POWER MODIFICATIONS FOR NEW PUMPS IN PLANTROOM

NEW HEAT PUMP AT GROUND FLOOR LEVEL. NEW 3-PHASE POWER SUPPLY TO BE ROUTED TO UNIT FROM EXISTING SWITCHGEAR (FINAL ROUTE TO BE CONFIRMED IN RIBA STAGE 4)

RESPONSIBILITY IS NOT ACCEPTED FOR OTHERS SCALING DIRECTLY FROM THIS DRAWING. DO NOT SCALE FROM THIS DRAWING, USE WRITTEN DIMENSIONS ONLY.

0m 1 2 3 6m

1:100

ORIGINAL SHEET SIZE A1

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PROPOSED WORKS

SUB-METERING Install the following sub-meters:
- Gas sub-meter - Kitchen;
- Gas sub-meter - Hot Water Heater;
- Electricity meter - Ground Floor main panel;
- Electricity meter - First Floor main panel.

PV PANELS
Install circa 40 x 425W panels (17kW total)
79.9m² on the pitched roof.
Panels to be connected inverters in the loft space.

Solar PV specialist to include for supply & installation of panels, inverter, 3ph meter, all cabling, roof mounting system, scaffolding / access and commissioning.

NOTE - First floor is sub-let to various Primary Healthcare organisations, including Social Care, Adult Mental Health and Sussex community NHS Foundation Trust. Services to the first floor must be maintained at all times.

REV	ISSUED	DATE	CHECKED	DATE	APPROVED	DATE
RIBA STAGE 3						
P02	DH	22/05/23	RS	22/05/23	RS	22/05/23
RIBA STAGE 2						
P01	DH	xx/03/23	RS	xx/03/23	RS	xx/03/23

west sussex county council

multi disciplinary consultant PARTNERSHIP

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CLIENT
West Sussex County Council

PROJECT
HDP Phase 1a - Implementation Programme
Glebelands Day Centre

TITLE
Proposed Electrical Services
Roof Plan

SCALES	DISCIPLINE	PROJECT NUMBER
1:100	ELEC ENG	114354

DRAWING NUMBER	REV CODE
HBS - 01 - RF - DR - E - 6001	P02

STATUS CODE	PURPOSE OF ISSUE	Drawn	Approved
A3	STAGE 3	DH	RS
		Checked RS	

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