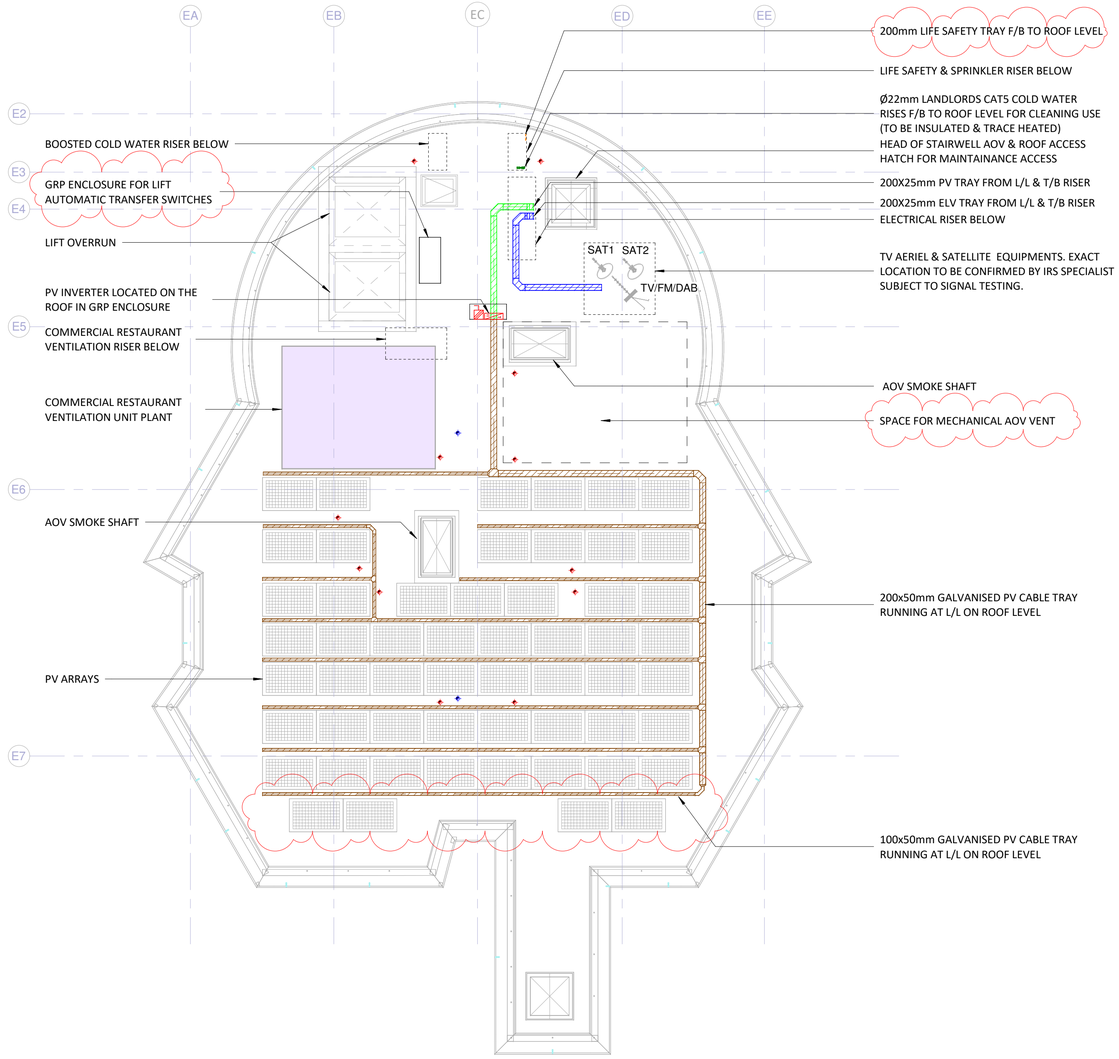


NOTE:

1. LAYOUT AND MANSAFE DESIGN ON THE ROOF TO BE VIA SPECIALIST DESIGN.
2. TOTAL PV PEAK OUTPUT FOR PHASE 2 = **41.25kWP**
   - BLOCK E = 55no. x 375w PANELS = **20.63kWP**
   - BLOCK F = 56no. x 375w PANELS = **21kWP**
3. PV PANELS TO BE INSTALLED AT MIN 10DEGREES FACING SOUTH, NO OVERSHADING.
4. ROOF LAYOUT TO BE COORDINATED WITH RWP & GULLY LOCATIONS BY ARCHITECTS.
5. PV PANELS SHALL BE MOUNTED ON BIG FOOT LEG FRAME SYSTEM OR SIMILAR AND CO-ORDINATED WITH ALL OTHER SERVICES PENETRATING AT ROOF LEVEL INCLUDING SVP's.
6. PV DESIGN ARE INDICATIVE TO SHOW DESIGN INTENT. SPECIALIST CONTRACTOR TO FULLY DETAIL ALL DESIGNS IN ACCORDANCE WITH THE M&E SPECIFICATION AND EMPLOYERS REQUIREMENTS PRIOR TO INSTALLATION.
7. PV ISOLATORS & INVERTERS TO BE HOUSED WITHIN GRP ENCLOSURE AT ROOF LEVEL.
8. LOCATION OF PV GENERATION METER TO BE AGREED WITH ALL KEY STAKEHOLDERS PRIOR TO INSTALLATION.

Notes

Do not scale from this drawing. All dimensions to be verified by the contractor on site.

Calfordseaden cannot advise on specialist areas relating to fire safety or cladding and all design information must be checked by the Client's appointed expert and coordinated with the fire strategy.

GENERAL NOTES:

1. ALL DIMENSIONS IN MM UNLESS OTHERWISE STATED.
2. THIS DRAWING TO BE READ IN CONJUNCTION WITH THE SPECIFICATIONS AND ALL OTHER CONTRACT INFORMATION.
3. CONTAINMENT TO BE COORDINATED WITH ALL OTHER SERVICES BY CONTRACTOR.
4. ALL FIRE STOPPING TO BE ALLOWED FOR WITHIN CONTAINMENT PENETRATING FIRE COMPARTMENTS INCLUSIVE OF INTUMESCENT FIRE PILLOWS IN TRUNKING.
5. FOR INTERNAL SERVICES DISTRIBUTION, REFER TO TYPICAL FLAT TYPE LAYOUT DRAWINGS.
6. THIS DRAWING IS TO BE READ IN CONJUCTION WITH RISER DETAIL LAYOUT
7. MAINS WATER STOPCOCKS TO BE INSTALLED AT 1200mm ABOVE FINISHED FLOOR LEVEL (AFFL).
8. PHOTOVOLTAIC (PV) DESIGN AND ARRANGEMENT ON THE ROOF TO BE VIA APPOINTED PV SPECIALIST DESIGN.
9. FOR WATER PIPE SIZES, REFER TO WATER SCHEMATICS.
10. FOR SMALL POWER CABLE SIZES, REFER TO LV SCHEMATICS.
11. CEILING VOID OF 800mm OR GREATER SHALL BE PROVIDED WITH VOID DETECTION.
12. NON-COMBUSTIBLE METAL CABLE TIES TO BE USED THROUGHOUT FOR CABLE SUPPORT AND PROTECTION AGAINST FIRE.
13. SPRINKLER DESIGN TO BE VIA SPECIALIST DESIGN.
14. REFER TO FIRE STRATEGY REPORT FOR DETAILS.
15. SPRINKLER PIPEWORK TO BE CLAD WITH 25mm THICK TRACE HEAT AND LAGGING (SUBJECT TO SPRINKLER SPECIALIST DRAWINGS)
16. ALL DIMENSIONS AND LEVELS TO BE CHECKED PRIOR TO COMMENCEMENT ONSITE. ANY DISCREPANCIES SHOULD BE HIGHLIGHTED OR NOTIFIED TO RELEVANT PARTIES AND MAIN CONTRACTOR.
17. FOR BELOW GROUND DRAINAGE SERVICES REFER TO CIVIL/STRUCTURAL ENGINEERS' DRAWINGS.
18. SPECIALIST CONTRACT DESIGN INFORMATION IS SHOWN INDICATIVE ONLY. DETAILED DESIGN TO BE BY SPECIALIST.
19. ALL PIPEWORK RUNS SHALL BE FULLY INSULATED THROUGHOUT.
20. ALL PIPEWORK RUNNING EXTERNALLY TO BE FULLY INSULATED THROUGHOUT AND TRACE HEATING TO BE ALLOWED FOR.

LEGEND:

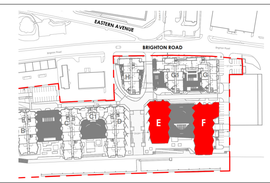
- ELV CABLE TRAY
- LV CABLE TRAY
- BCWS TRAY
- FIRE ALARM CABLE TRAY
- LL POWER & LIGHTING TRUNKING
- LIFE SAFETY CABLE TRAY
- PV CABLE TRAY
- REFRIGERANT CABLE TRAY
- BCWS PIPE
- SPRINKLER PIPE
- DRY RISER PIPE
- INCOMING FIRE MAINS
- CAT 5
- GAS PIPE
- GENERATOR FLUE
- EXTRACT DUCT
- PV PANEL
- PV INVERTER
- THREE PHASE ISOLATOR

ABBREVIATIONS:

H/L - HIGH LEVEL
L/L - LOW LEVEL
M/L - MID LEVEL
F/A - FROM ABOVE
T/A - TO ABOVE
T/B - TO BELOW
F/A T/B - FROM ABOVE & TO BELOW
F/A H/L - FROM ABOVE & TO HIGH LEVEL
H/L T/B - HIGH LEVEL & TO BELOW
TP - TAP POINT

HG CONSTRUCTION

Key Plan



1:100@A1

Rev	Description	Date	Init	Chkd
C01	STAGE 4B -Construction Issue	21.06.24	AT	PA
P2	STAGE 4A - Preliminary Issue	24.11.23	AT	PH/JM
P1	STAGE 4A - Preliminary Issue	01.09.23	AT	PH

Project

Free Wharf Phase 2

Title

Block E Roof Floor M&E Distribution Services Layout

Client	Status
HG Construction	Construction

Date	Drawn By	Checked By
03.07.23	AT	JM

Project No.	Drawing No.	Revision
L230077	FWF-CAL-BE-RF-DR-ME-0109	C01

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