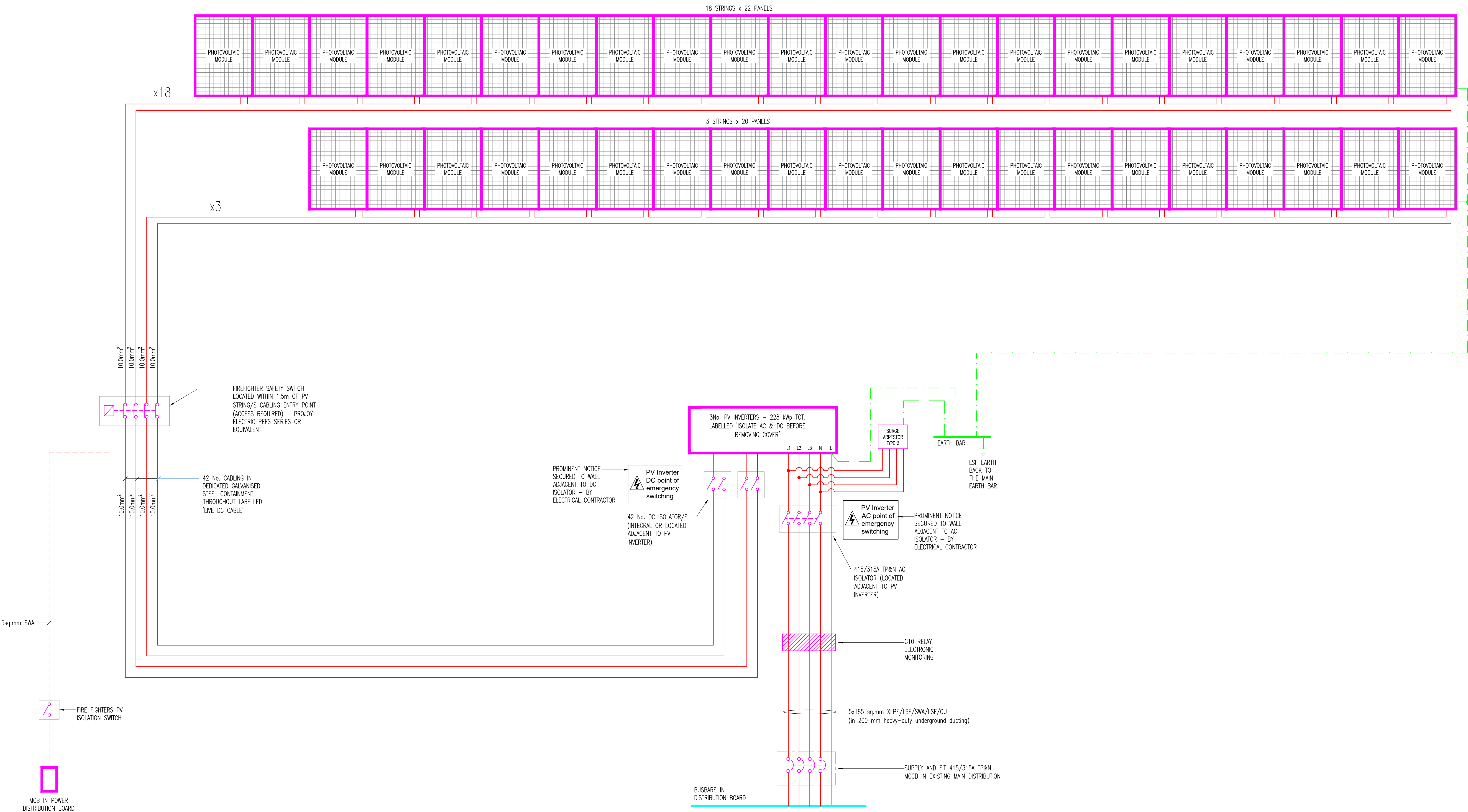
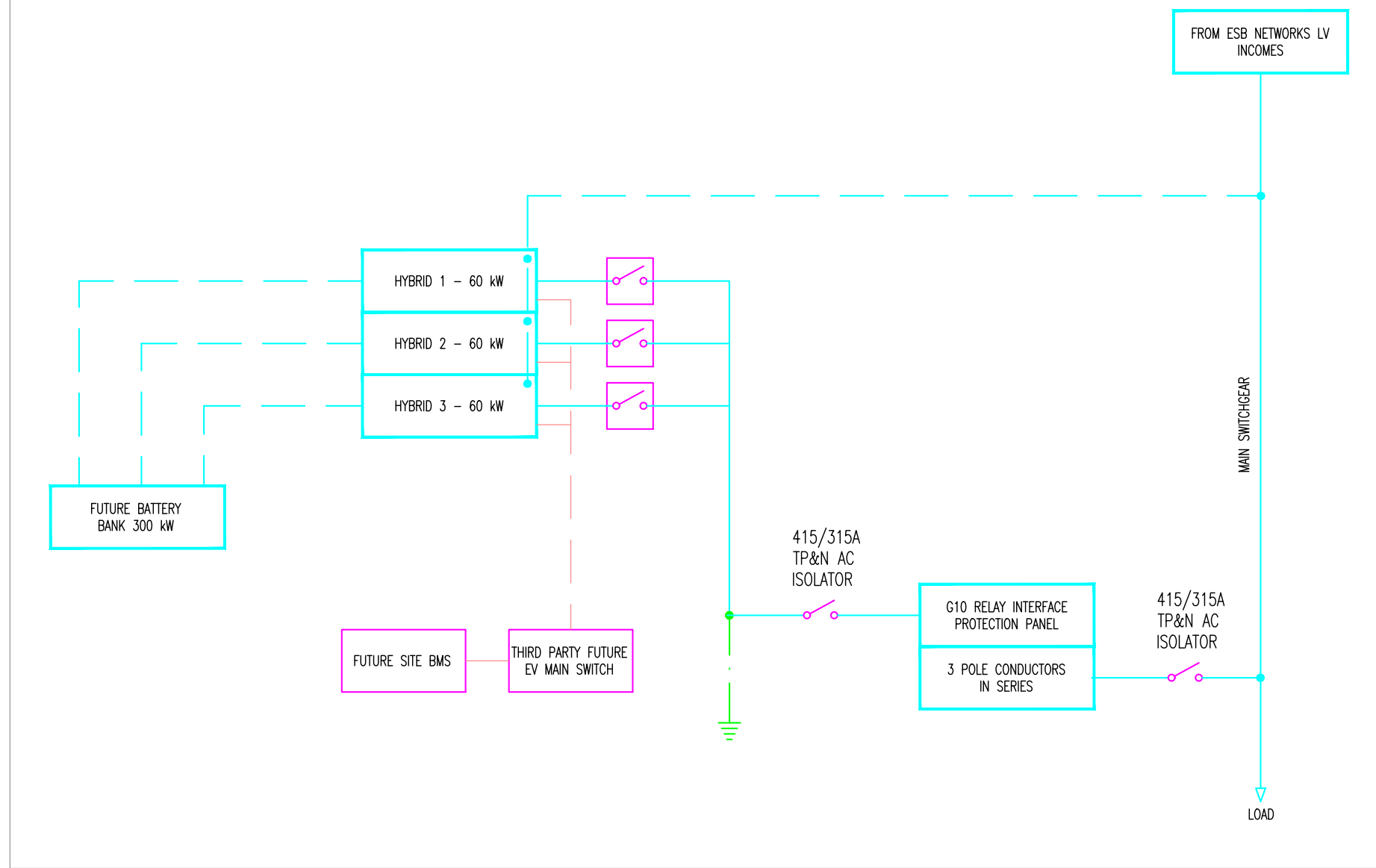




GENERAL NOTES

- 1) Do not scale services equipment from this drawing.
- 2) All dimensions should be checked on site.
- 3) Any drawing errors or divergences should be brought to the attention of Geaney Engineering Consultants at the address shown below.
- 4) Drawing to be read in conjunction with all other drawings and documentation.

NOTES:

1. FINAL PV MODULE STRING CONFIGURATION, NUMBER OF STRINGS, STRING VOLTAGES, CURRENT RATINGS, INVERTER CONFIGURATION AND ASSOCIATED EQUIPMENT SHALL BE CONFIRMED, COORDINATED AND AGREED WITH THE PV SYSTEM MANUFACTURER'S FINAL DESIGN PRIOR TO INSTALLATION.
2. PV DC CABLEING SHALL BE SIZED FOR THE DESIGN CURRENT, VOLTAGE DROP, VOLTAGE RATING, INSTALLATION METHOD AND ENVIRONMENTAL CONDITIONS. PV CABLES SHALL BE SUITABLE FOR EXTERNAL SOLAR PV INSTALLATIONS AND UV RESISTANT.
3. PROVIDE DC ISOLATION AT EACH INVERTER LOCATION. DC ISOLATORS SHALL BE SUITABLE FOR THE PV SYSTEM VOLTAGE AND CURRENT AND RATED FOR DC OPERATION.
4. PROVIDE AC ISOLATOR(S) AT THE PV INVERTER OUTPUT AND AT THE POINT OF CONNECTION TO THE ELECTRICAL INSTALLATION AS INDICATED.
5. PROVIDE APPROPRIATE OVERCURRENT PROTECTION, SURGE PROTECTION DEVICES (SPD) AND OTHER PROTECTIVE DEVICES AS REQUIRED BY THE FINAL PV DESIGN AND I.S. 10101.
6. PV INVERTER(S) SHALL BE PROVIDED WITH APPROPRIATE ANTI-ISLANDING PROTECTION AND GRID PROTECTION IN ACCORDANCE WITH ESB NETWORKS REQUIREMENTS AND THE APPROVED CONNECTION AGREEMENT.
7. PV INVERTER(S) SHALL BE SUITABLE FOR CONNECTION TO THE EXISTING ELECTRICAL INSTALLATION AND SHALL BE COMPATIBLE WITH THE SYSTEM VOLTAGE, FREQUENCY, EARTHING ARRANGEMENT AND AVAILABLE FAULT LEVEL.
8. PROVIDE AC CABLE FROM PV INVERTER(S) TO THE DESIGNATED MOB/POINT OF CONNECTION. CABLE SIZE AND VOLTAGE DROP SHALL BE CONFIRMED BY CALCULATION.
9. PV GENERATION CONNECTION TO THE EXISTING MOB SHALL INCLUDE APPROPRIATE CIRCUIT BREAKER, ISOLATION AND PROTECTION AS INDICATED. FINAL CONNECTION ARRANGEMENT SHALL BE COORDINATED WITH THE EXISTING MOB MANUFACTURER/CONTRACTOR.
10. PROVIDE PV GENERATION METERING AND MONITORING EQUIPMENT, INCLUDING SMART METER/ENERGY METER AND POWER SENSOR/CTs AS REQUIRED TO MONITOR PV GENERATION AND SITE IMPORT/EXPORT.
11. WHERE EXPORT LIMITATION IS REQUIRED, PROVIDE APPROPRIATE EXPORT CONTROL SYSTEM, POWER METERING AND CTs AT THE DESIGNATED POINT OF CONNECTION. FINAL LOCATION AND CONTROL ARRANGEMENT TO BE CONFIRMED BY THE PV SYSTEM MANUFACTURER.
12. PV MODULE FRAMES, MOUNTING STRUCTURES, INVERTER ENCLOSURES AND OTHER EXPOSED METALLIC PARTS SHALL BE BONDED AND CONNECTED TO THE PROTECTIVE EARTHING SYSTEM IN ACCORDANCE WITH I.S. 10101 AND THE FINAL LIGHTNING/EARTHING DESIGN.
13. DC AND AC CIRCUITS SHALL BE CLEARLY IDENTIFIED AND LABELLED. PROVIDE ALL REQUIRED PV WARNING, ISOLATION AND ELECTRICAL HAZARD LABELS IN ACCORDANCE WITH THE RELEVANT STANDARDS AND ESB NETWORKS REQUIREMENTS.
14. ALL CABLE SIZES, PROTECTIVE DEVICE RATINGS, VOLTAGE DROP, FAULT CURRENT, SELECTIVITY/DISCRIMINATION AND PROTECTION SETTINGS SHALL BE VERIFIED BY CALCULATION PRIOR TO INSTALLATION.
15. THE COMPLETE PV ELECTRICAL INSTALLATION SHALL COMPLY WITH I.S. 10101, RELEVANT IS/EN STANDARDS, ESB NETWORKS REQUIREMENTS, MANUFACTURER'S REQUIREMENTS AND THE APPROVED PROJECT DESIGN.
16. REFER TO PV SITE LAYOUT DRAWING FOR PV ARRAY ARRANGEMENT, INVERTER LOCATIONS, CABLE DUCT ROUTES AND ASSOCIATED SITE SERVICES.

A	Tender Issue	23-Sep-2026	FR	CG	
Revision	Description	Date	Drawn	Checked	
		STUDIO 22, WATERFORD BUSINESS PARK, CORK ROAD, WATERFORD, IRELAND. TEL: 051 879371 FAX: 051 853188 EMAIL: info@geaneyengineering.ie			
project title:					
Proposed PV project at Waterford & Wexford Education Training Board, Cork Rd, Skibbereen, Waterford					
drawing title:					
Proposed PV Schematic Wiring Diagram					
scale:		NTS			
architect:		--			
project number:		drawing number:			
0796		EL302			