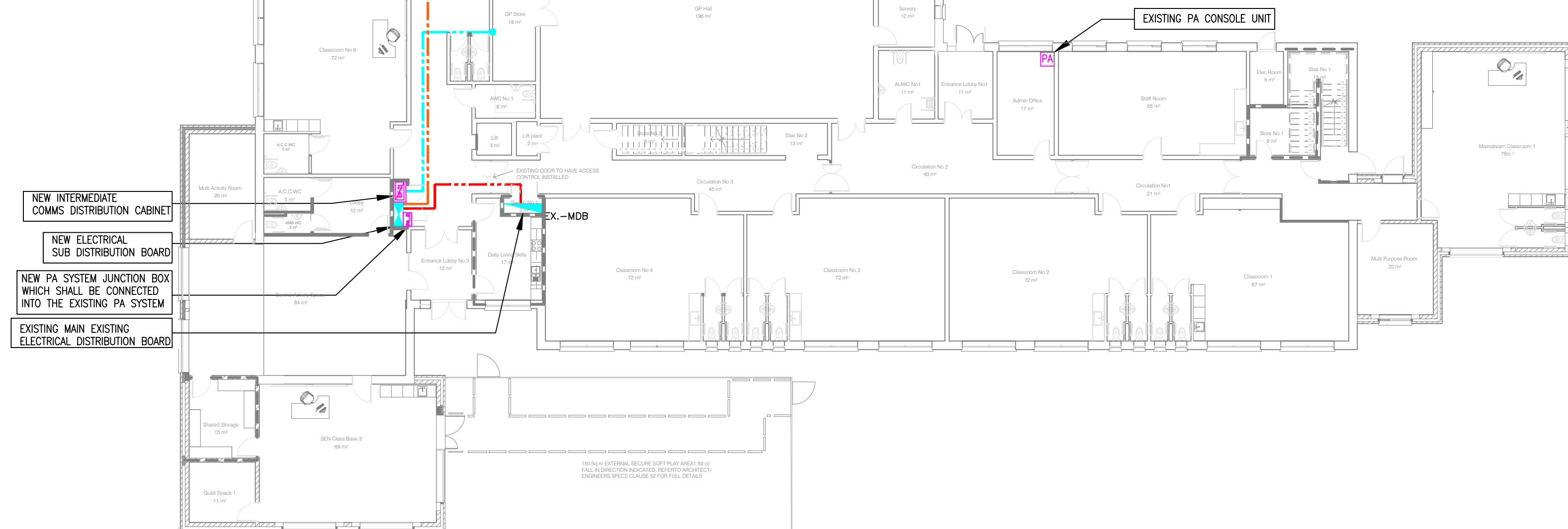
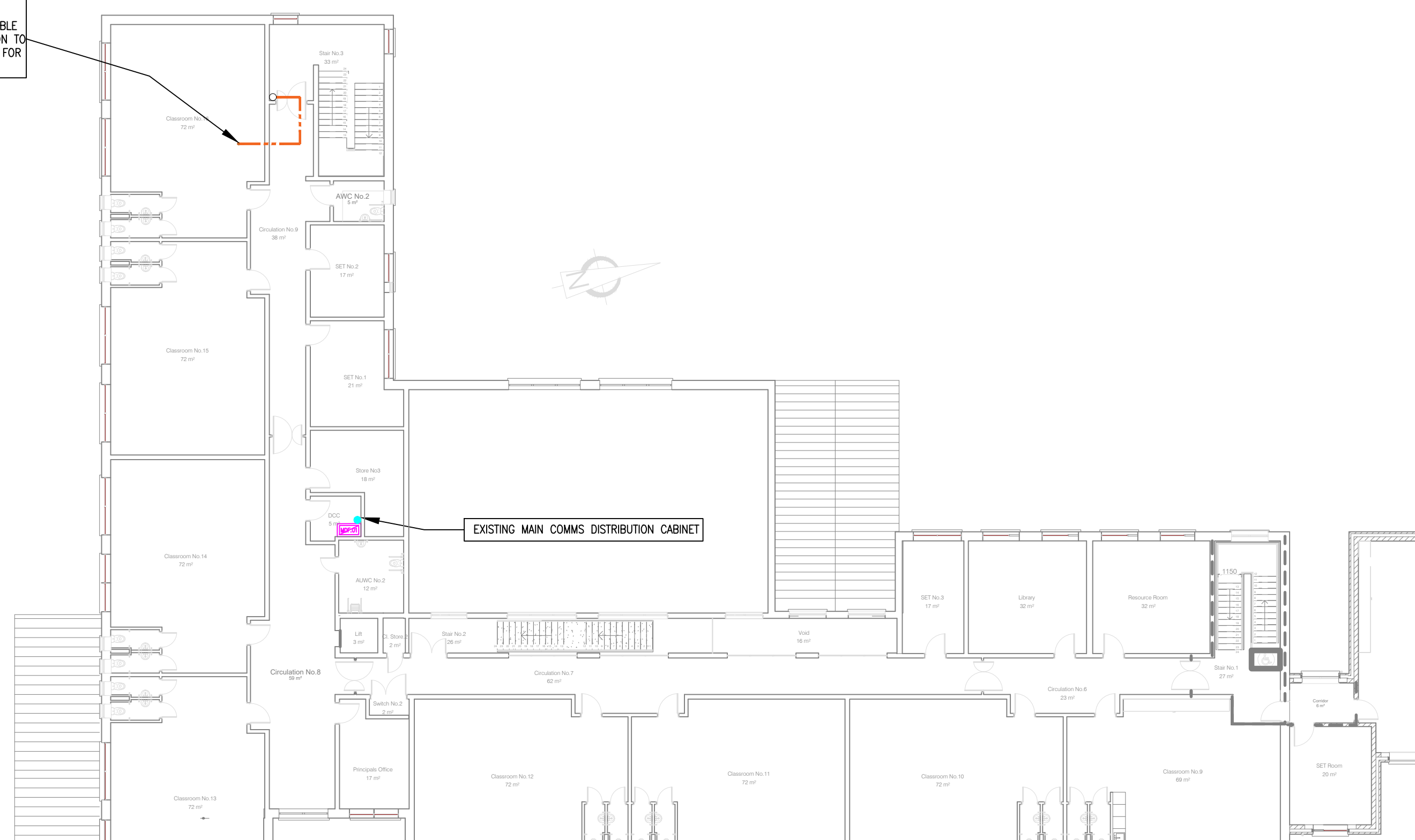


PV CABLE TO DROP FROM ABOVE. THE ELECTRICAL CONTRACTOR SHALL SUPPLY AND INSTALL A 1x20x16mm² LSF/SWA/XLPE+EARTH ELECTRICAL CABLE AT HIGH LEVEL FROM THE EXTERNAL PV INSTALLATION TO NEW SDB No. 1 WITHIN THE ELECTRICAL CUDBOARD FOR NEW EXTENSION BUILDING.



GROUND FLOOR POWER & GENERAL SERVICES LAYOUT (SCALE 1:200)

PV CABLE TO DROP FROM ROOF. THE ELECTRICAL CONTRACTOR SHALL SUPPLY AND INSTALL A 1x20x16mm² LSF/SWA/XLPE+EARTH ELECTRICAL CABLE AT HIGH LEVEL FROM THE EXTERNAL PV INSTALLATION TO NEW SDB No. 1 WITHIN THE ELECTRICAL CUDBOARD FOR NEW EXTENSION BUILDING.



FIRST FLOOR POWER & GENERAL SERVICES LAYOUT (SCALE 1:200)

GENERAL NOTES:

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL MECHANICAL, ELECTRICAL, ARCHITECTURAL AND STRUCTURAL DRAWINGS & SPECIFICATIONS.
- THE CONTRACTOR SHALL CO-ORDINATE FULLY WITH ALL OTHER TRADES BEFORE COMMENCING WORK. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL THE NECESSARY INFORMATION TO ALLOW THE MAIN CONTRACTOR CO-ORDINATE ALL SERVICES.
- THE MECHANICAL CONTRACTOR SHALL ALLOW FOR CO-ORDINATING THE MECHANICAL INSTALLATION WITH THE ELECTRICAL CONTRACTOR ON SITE. EXTRA COSTS INCURRED DUE TO THE CO-ORDINATION EXERCISE NOT BEING COMPLETED WILL NOT BE ACCEPTED BY THE ENGINEER.
- DO NOT SCALE THIS DRAWING. ALL DIMENSIONS TO BE TAKEN ON SITE.
- THE CONTRACTOR SHALL ALLOW FOR THE SUPPLY AND INSTALLATION OF ALL ELECTRICAL SERVICES INDICATED ON THIS DRAWING.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO IDENTIFY SUITABLE FINAL ROUTES FOR CABLE CONTAINMENT, ELECTRICAL SERVICES, ETC. AS INDICATED ON THE DRAWINGS.
- NEW MAINS RUN OF ELECTRICAL CONTAINMENT SHALL BE INSTALLED IN THE AREAS AS INDICATED. THIS IS INDICATIVE ONLY AND IF THE CONTRACTOR FINDS A MORE CONVENIENT ROUTE FOR THE ELECTRICAL SERVICES ON SITE THEN THAT WILL BE ACCEPTABLE.
- FINAL LOCATION OF ALL ITEMS OF SOCKETS/IT POINTS/LIGHTING, ETC. SHALL BE AGREED ON SITE WITH THE EMPLOYERS REPRESENTATIVE AND THE CLIENT.
- ALL SERVICES THROUGH FIRE BARRIERS SHALL BE SLEEVED EACH SIDE OF THE BARRIER. THE MAIN CONTRACTOR SHALL ALLOW FOR FIRE PROOFING THE OPES AFTER SERVICES IS INSTALLED.
- THE CONTRACTOR SHALL ALLOW FOR ALL NECESSARY LABOUR, WIRING AND ATTENDANCES IN COMPLETING ALL THE ELECTRICAL WORKS AS INDICATED ON THE DRAWINGS AND SPECIFICATIONS.

PV INSTALLATION SERVICES NOTES:

- THERE SHALL BE A PV INSTALLATION INSTALLED ON THE ROOF OF THE BUILDING IN THE LOCATION INDICATED ON THE DRAWING. REFER TO DRAWING 62(E002) FOR LOCATION OF PV PANELS.
- THE ELECTRICAL CONTRACTOR SHALL ALLOW FOR LIAISING WITH THE PV INSTALLER TO ENSURE THAT THEY ARE BOTH AWARE OF THE WORKS NECESSARY TO INSTALL THE PANELS.
- PLEASE ENSURE THAT THE LOADING OF THE ROOF ARE SUFFICIENT TO CATER FOR THE PV INSTALLATION. THERE ARE 12 PV PANELS IN TOTAL TO BE INSTALLED ON THE ROOF. EACH PANEL IS APPROXIMATELY 20KG.
- SEE 61(E001) IF THE SCHEMATIC INDICATING HOW THE PV SYSTEM SHALL BE INCORPORATED INTO THE NEW SUB DISTRIBUTION ELECTRICAL BOARD.
- CONTRACTOR SHALL ALLOW FOR INSTALLING ALL SERVICES FOR THE PV INSTALLATION TO BE INSTALLED IN THE SAME LOCATION AS THE NEW MAIN ELECTRICAL BOARD.

POWER & GENERAL SERVICES SYMBOLS

- EX-MDB → EXISTING MAIN DISTRIBUTION BOARD FOR THE EXISTING BUILDING
- SDB → NEW SUB DISTRIBUTION BOARD FOR THE EXTENSION OF THE BUILDING
- MCB → EXISTING MAIN COMMUNICATIONS CABINET FOR THE BUILDING
- ICB → NEW INTERMEDIATE COMMUNICATIONS CABINET FOR THE EXTENSION OF THE BUILDING
- NEW SUB MAINS CABLEING TO BE INSTALLED
- NEW FIBRE OPTIC CABLEING TO BE INSTALLED
- PA → EXISTING PA CONSOLE IN EXISTING BUILDING
- PAJ → NEW PA JUNCTION BOX TO CONNECT NEW SYSTEM TO EXISTING PA SYSTEM

PV SERVICES SYMBOLS

- 450W PHOTOVOLTAIC PANEL

ALL ELECTRICAL SERVICES THROUGHOUT THE NEW EXTENSION ARE TO BE CHASED INTO WALLS.

ALL NEW EXISTING SERVICES WITHIN THE REFURBISHED AREAS SHALL BE SURFACE MOUNTED IN STEEL CONDUITS



CABLE ROUTE DROPS FROM ROOF TO CONTAINMENT WITHIN CEILING VOID AND ROUTED BACK TO THE NEW SUB DISTRIBUTION BOARD FOR THE EXTENSION.

THE ELECTRICAL CONTRACTOR SHALL ALLOW FOR THE SUPPLY, INSTALLATION AND COMMISSIONING OF A NEW 450W PHOTOVOLTAIC SYSTEM. THE SYSTEM DESIGN HAS BEEN PREPARED ON THE BASIS OF 1200 PHOTOVOLTAIC PANELS (PV) AT 450W EACH BEING INSTALLED ON THE ROOF OF THE BUILDING IN THIS LOCATION. PANELS SHALL BE INSTALLED AS PER THE LAYOUT ATTACHED. SEE SPECIFICATION FOR FURTHER DETAILS. ELECTRICAL CONTRACTOR SHALL ALLOW FOR ALL WORKS ASSOCIATED WITH THE INSTALLATION INCLUDING PANEL MOUNTING BRACKETS/ FRAMES, THREE PHASE INVERTER, ETC.

PV SERVICES LAYOUT ON ROOF (SCALE 1:200)

T1	22.07.2028	K.DAVITT	G. BENNDORF
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