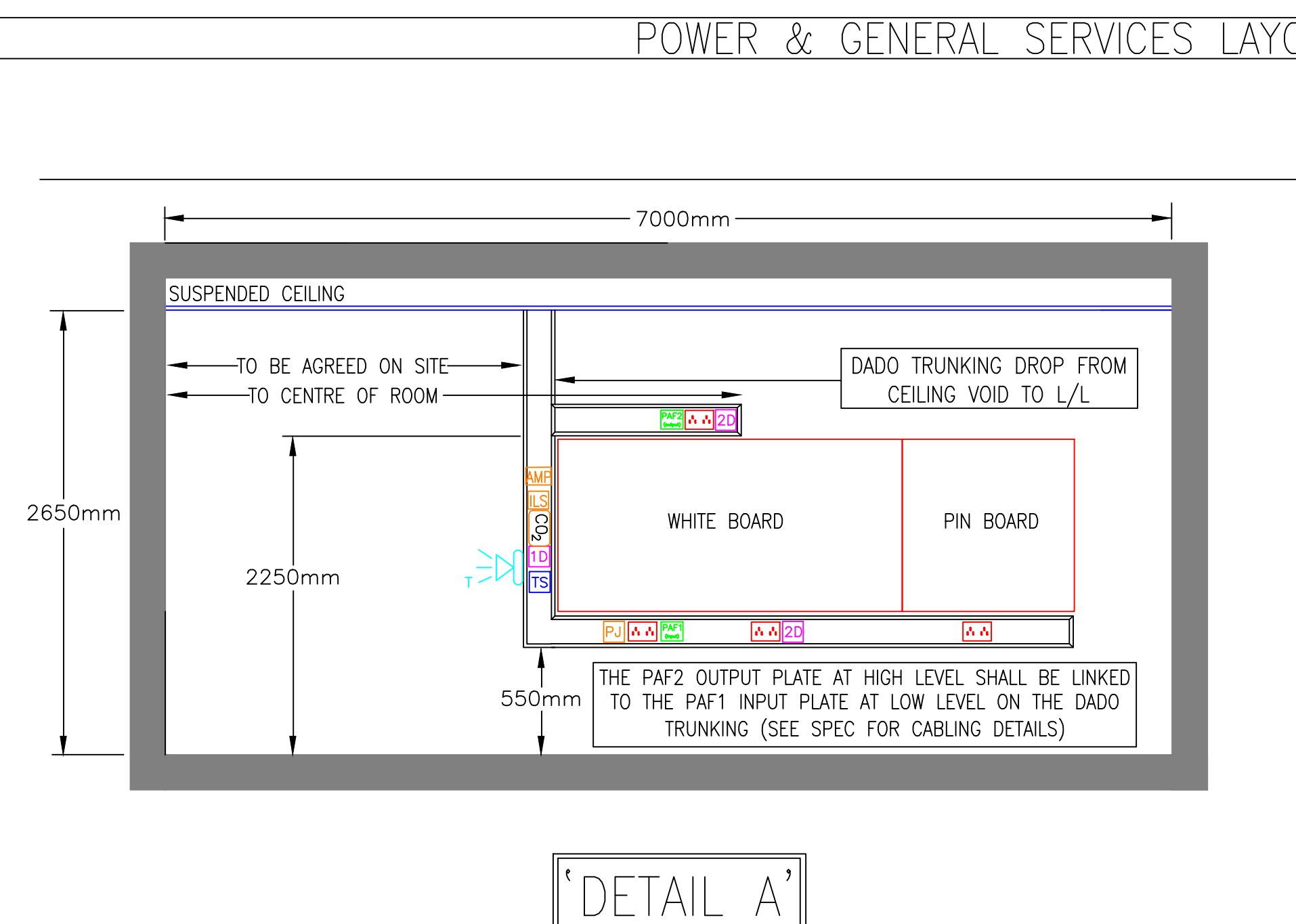
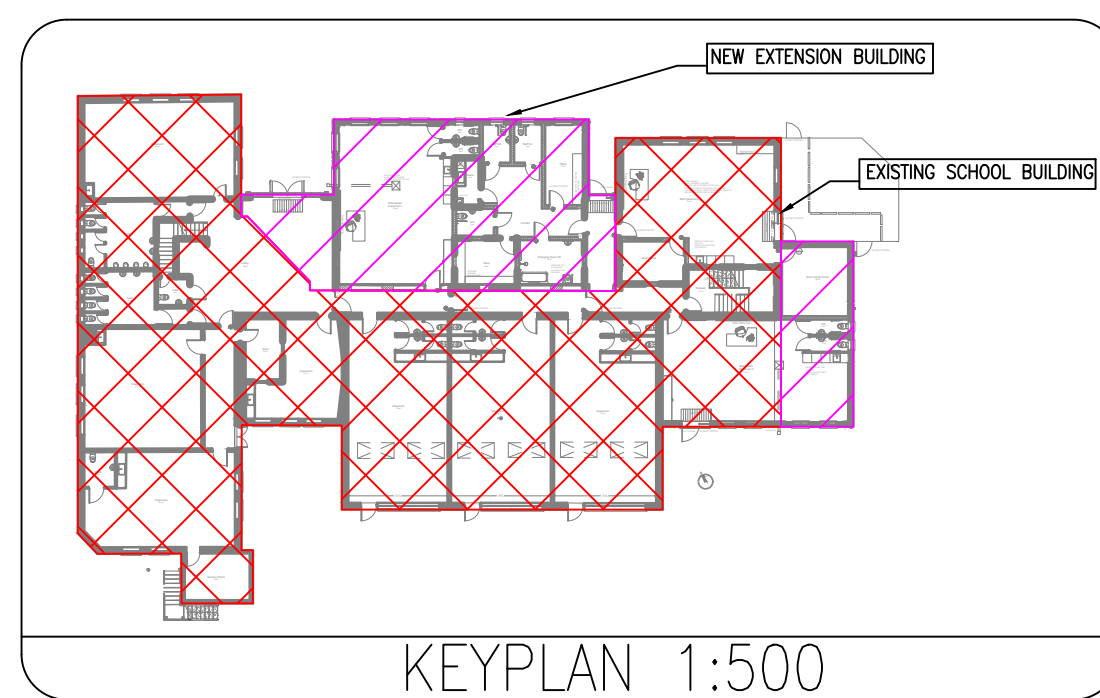




POWER & GENERAL SERVICES LAYOUT (SCALE 1:100)

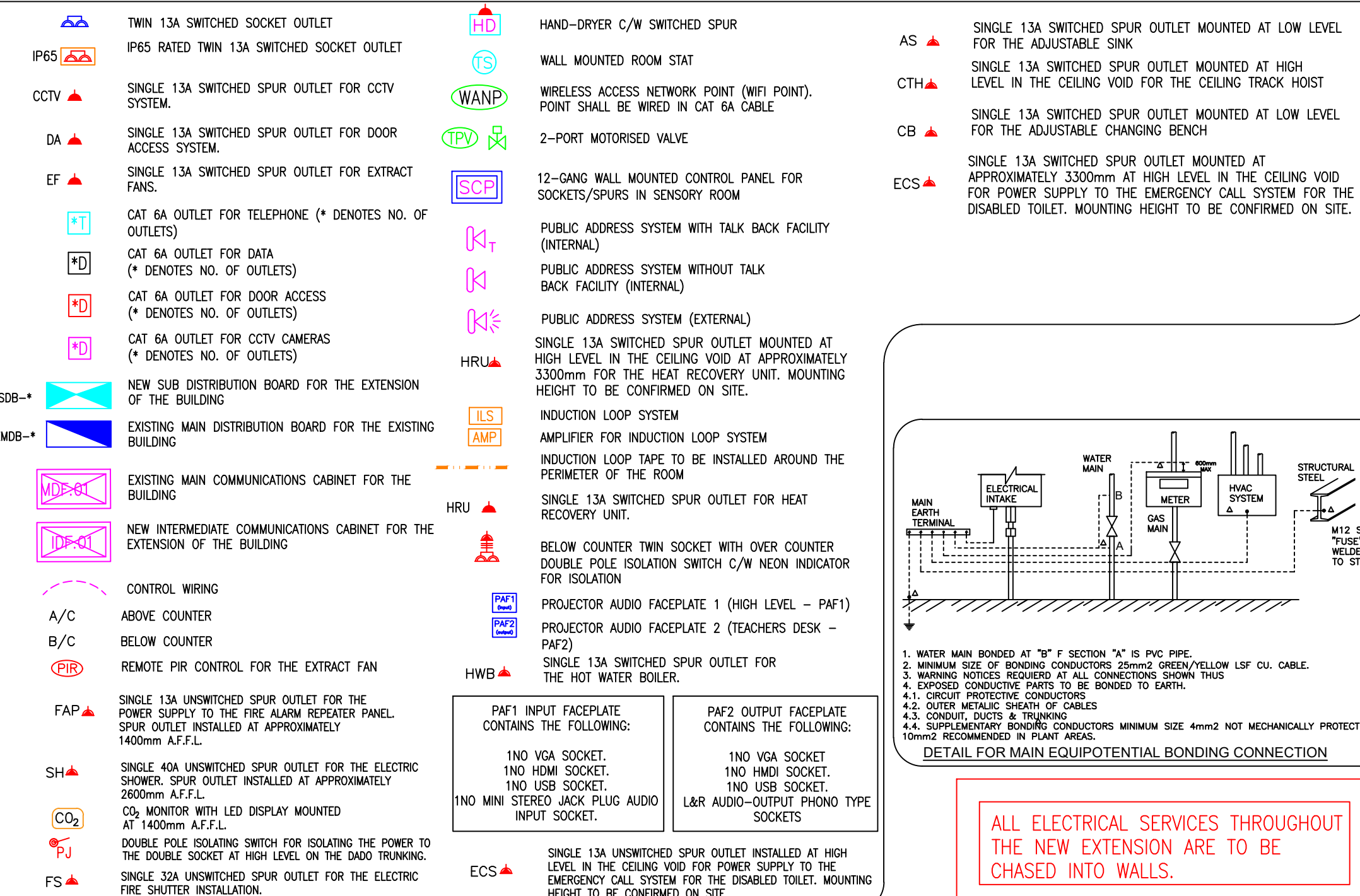


DETAIL FOR DADO TRUNKING DROP AT TEACHING WALL FOR THE GENERAL CLASSROOM (NOT THE SCALE)



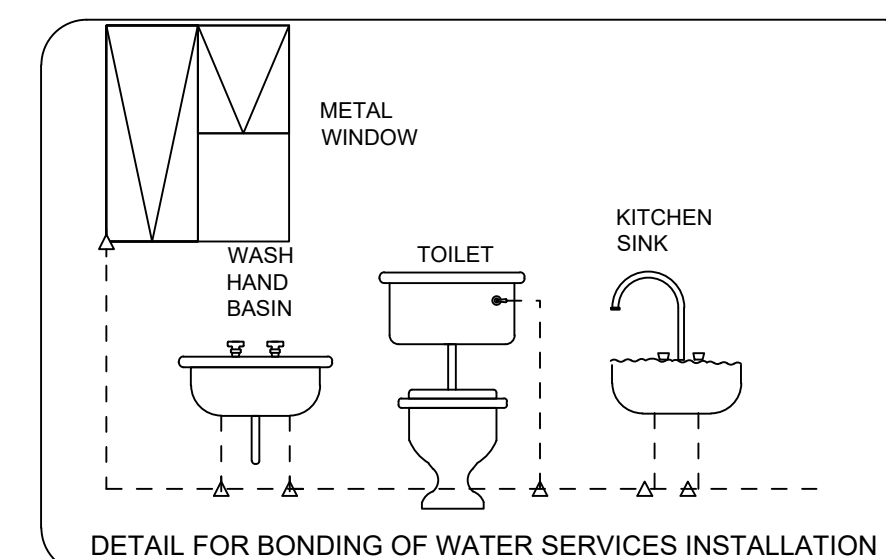
KEYPLAN 1:500

POWER & GENERAL SERVICES SYMBOLS



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.
- ALL AREAS: ALL ELECTRICAL SERVICES BELOW CEILING LEVEL FOR THE ELECTRICAL INSTALLATION IN THE ALL AREAS SHALL BE RECESSED/CONCEALED AND FINISHED FLUSH WITH THE FINISHED WALL, UNLESS STATED OTHERWISE. LIAISE WITH THE MAIN CONTRACTOR FOR ALL NECESSARY CHASES OR BOXING OUT TO CONCEAL SERVICES IN THE UNIT.
- POWER & GENERAL SERVICES NOTES:
- ALLOW FOR POWER SUPPLY & ELECTRICAL CONNECTION TO ALL MECHANICAL ITEMS IDENTIFIED
- WHERE SIGNAL/CONTROL CABLES ARE ROUTED TO THEIR RESPECTIVE CONTROL PANEL PROVIDE GALVANISED STEEL TRUNKING TO ENCLOSE MULTIPLE RUNS OF CABLE.
- MECHANICAL AND ELECTRICAL CONTRACTORS SHALL LIAISE AND ARRANGE FOR INTERFACE BETWEEN MECHANICAL INSTALLATIONS AND ELECTRICAL INSTALLATIONS.
- SEE OTHER ELECTRICAL DRAWINGS FOR LOCATIONS OF OTHER ELECTRICAL EQUIPMENT THAT WILL REQUIRE POWER ATTENDANCES.
- ANY SINGLE PHASE CIRCUIT FED DIRECTLY FROM A THREE PHASE DISTRIBUTION BOARD SHALL HAVE THE APPROPRIATE PHASE COLOUR EXTENDED INTO THE SINGLE PHASE CIRCUITS FED FROM THAT PHASE.
- REFER TO TABLE 51C COLOUR CODE FOR CABLE CORES AND INSULATED CONDUCTORS OF AMENDMENT No. 2 ET101:2004/A2:2005 OF THE NATIONAL RULES FOR ELECTRICAL INSTALLATIONS
- SURGE PROTECTION TO BE INSTALLED ON ALL ELECTRICAL BOARDS AS INDICATED. SEE SPECIFICATION FOR FURTHER DETAILS.
- MAIN INCOMING ACB SHALL HAVE A RATED PROSPECTIVE SHORT CIRCUIT CURRENT OF NOT LESS THAN 40 kA AT A POWER FACTOR OF 0.2, AND SHALL BE TESTED TO P2 CATEGORY IEC151-1.
- BUSBARS SHALL BE HDVC COPPER OF UNIFORM CROSS SECTION AND SHALL COMPLY FULLY WITH BS 159. THE BUSBAR SYSTEM SHALL BE TYPE TESTED IN ACCORDANCE WITH IEC 439 AND BE CAPABLE OF CARRYING THE CONTINUOUS LOAD CURRENT AS SPECIFIED.
- BUSBARS CONNECTIONS UP TO 63 AMP MAY BE EFFECTED BY MEANS OF CABLE BRACED AND SUPPORTED AS NECESSARY, WHEREAS CONNECTIONS ABOVE 63 AMP SHALL BE MADE BY MEANS OF HDVC RECTANGULAR SECTION COPPER BUSBAR, INSULATED AND SUPPORTED AS NECESSARY.
- INSTALLATION RADI ON MEDIUM VOLTAGE CABLEING SHALL BE AS LARGE AS POSSIBLE AND SHALL IN NO INSTANCE BE LESS THAN 18 TIMES THE OVERALL CABLE DIAMETER.
- A NEW SUB ELECTRICAL BOARD SHALL BE INSTALLED THAT SHALL CATER FOR ALL THE NEW EXTENSION OF THE BUILDING.
- ALL IT POINTS & TELEPHONE POINTS SHALL BE CAT-6A FOR NEW AREAS IN THE BUILDING SHALL BE CONNECTED BACK TO A NEW COMMUNICATIONS CABINET IN THE STORE ROOM OF THE NEW EXTENSION. ALLOW FOR ALL CABLEING AND ATTENDANCES IN CONNECTING THE IT POINTS TO THIS CABINET AND FOR THE SUPPLY AND INSTALLATION OF THIS CABINET.
- A NEW PA (PUBLIC ADDRESS) JUNCTION BOX SHALL BE INSTALLED TO CATER FOR THE NEW PA SPEAKERS FOR THE EXTENSION AS INDICATED ON THE DRAWINGS. THE MAIN CONSOLE SHALL BE INSTALLED IN THE OFFICE SHALL BE RETAINED AND EXTENDED. ALLOW FOR WIRING OF ALL NEW PA SPEAKERS AS INDICATED BACK TO THE LOCATION OF THE NEW PA JUNCTION BOX AND LINKING TO THE EXISTING PA CONSOLE. SEE SPECIFICATION FOR FURTHER DETAILS.
- A NEW FIBRE OPTIC LINK CABLE SHALL BE INSTALLED FROM THE EXISTING MAIN COMMS CABINET TO LINK THE NEW INTERMEDIATE COMMS CABINET FOR THE NEW EXTENSION. REFER TO DRAWING 62(E002) AND SPECIFICATION FOR FURTHER DETAILS.



T2	17.07.2026	E.O.LAYA	G.BENNDORF
T1	14.08.2024	K. DAVITT	G. BENNDORF
REV	DATE	PREPARED BY/PROJECT ENGINEER	QUALITY CHECK BY:

M&E CONSULTANT

Galileo
ENERGY SERVICES
UNIT A6, M4 BUSINESS PARK, MAYNOOTH
ROAD, CELBRIDGE, CO. KILDARE.
Tel: 01-6274103
www.galileoenergy.ie

Drawing Status

TENDER

Job Title

KILDANGAN NATIONAL SCHOOL,
KILDANGAN,
MONASTEREVIN,
CO. KILDARE.

Drawing Title

POWER & GENERAL
SERVICES LAYOUTS

Architect M'LOUGHLIN ARCHITECTURE
Unit 48, Elm House
Millennium Park, Naas
Co.Kildare, Ireland

Tel. 045 854 900

Scale: 1:100 @ A1

Drawn By: E.O

Job No. 22-055

Drawing No. 62(E001)

Rev. T2

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