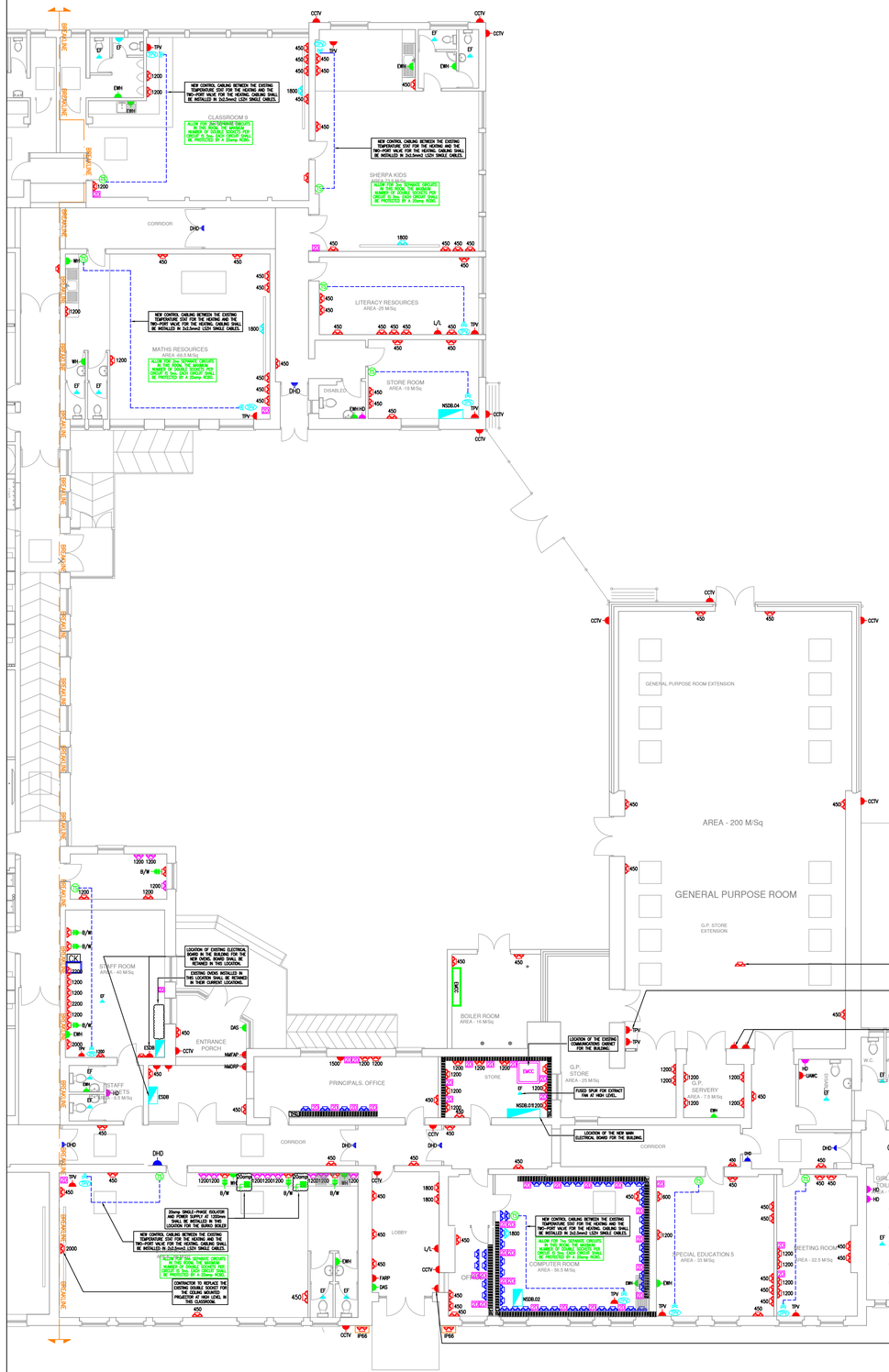
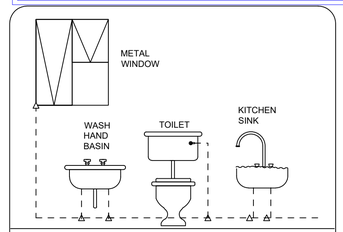
A1

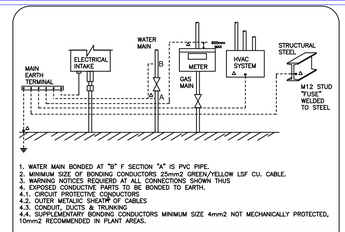


POWER AND GENERAL SERVICES INSTALLATION LAYOUT FOR 'AREA B' ON THE GROUND FLOOR OF THE BUILDING (SCALE 1:125)

THE CONTRACTOR SHALL ALLOW FOR DECOMMISSIONING AND REMOVING THE EXISTING POWER AND GENERAL SERVICES INSTALLATION THROUGHOUT THE BUILDING (APART FROM THE ASD CENTRAL BLOCK). THE CONTRACTOR SHALL ALLOW FOR DECOMMISSIONING AND REMOVING ALL SOCKETS, SPURS, CABLING, CONTAINMENT, ETC. IN THE AREAS WHERE THE EXISTING POWER AND GENERAL SERVICES INSTALLATION IS TO BE DECOMMISSIONED AND REMOVED. ALLOW FOR ALL NECESSARY WORKS FOR THE DECOMMISSIONING AND REMOVAL OF THE EXISTING POWER AND GENERAL SERVICES INSTALLATION THROUGHOUT THE BUILDING AND THE SUPPLY AND INSTALLATION OF A NEW POWER AND GENERAL SERVICES INSTALLATION IN THE AREAS OF THE BUILDING AS HIGHLIGHTED ON THE DRAWINGS AND SPECIFICATIONS IN REPLACEMENT.



DETAIL FOR BONDING OF WATER SERVICES INSTALLATION



MAIN EQUIPOTENTIAL BONDING CONNECTION

IMAGE OF NEW PLASTIC DOUBLE SOCKET TO BE INSTALLED ON DADO TRUNKING, OR EQUIVALENT.



IMAGE OF NEW STANDALONE METAL DOUBLE SOCKET, OR EQUIVALENT.



IMAGE OF NEW COOKER SWITCH, OR EQUIVALENT.



IMAGE OF NEW ISOLATOR, OR EQUIVALENT.



IMAGE OF NEW SWITCHED SPUR OUTLET, OR EQUIVALENT.



POWER AND GENERAL SERVICES SYMBOLS

NMDB-01 (ESB)	NEW MAIN DISTRIBUTION METERED ELECTRICAL BOARD IN THE ESB EXTERNAL STORE. BOARD SHALL BE LOCATED IN THE LOCATION AS INDICATED ON DRAWING.
NMDB-02 (SCHOOL)	NEW MAIN DISTRIBUTION ELECTRICAL BOARD FOR THE SCHOOL BUILDING. BOARD SHALL BE LOCATED IN THE LOCATION AS INDICATED ON DRAWING.
NSDB-*	NEW SUB-DISTRIBUTION ELECTRICAL BOARD FOR THE BUILDING (* DENOTES NUMBER OF BOARD)
EMCC	EXISTING MCC CONTROLS PANEL LOCATED IN THE BOILERHOUSE (TO BE RETAINED)
AMP	NEW SINGLE-PHASE ISOLATOR (* DENOTES RATING OF ISOLATOR)
AMP	NEW THREE-PHASE ISOLATOR (* DENOTES RATING OF ISOLATOR)
450	NEW TWIN 13A SWITCHED SOCKET OUTLET SURFACE MOUNTED ON THE WALL AT 450mm A.F.F.L. (TO THE BOTTOM).
950	NEW TWIN 13A SWITCHED SOCKET OUTLET SURFACE MOUNTED ON THE WALL AT 950mm A.F.F.L. (TO THE CENTRE).
1200	NEW TWIN 13A SWITCHED SOCKET OUTLET SURFACE MOUNTED ON THE WALL AT 1200mm A.F.F.L. (TO THE CENTRE).
1800	NEW TWIN 13A SWITCHED SOCKET OUTLET SURFACE MOUNTED ON THE WALL AT 1800mm A.F.F.L. (TO THE CENTRE).
2200	NEW TWIN 13A SWITCHED SOCKET OUTLET SURFACE MOUNTED ON THE WALL AT 2200mm A.F.F.L. (TO THE CENTRE).
	NEW TWIN 13A SWITCHED SOCKET OUTLET INSTALLED ON NEW DADO TRUNKING. REFER TO THE DRAWING FOR THE HEIGHT OF THE DADO TRUNKING IN EACH ROOM.
5000	NEW TWIN 13A SWITCHED SOCKET OUTLET SURFACE MOUNTED ON THE WALL AT HIGH LEVEL IN THE GP HALL AT APPROXIMATELY 5000mm A.F.F.L. (TO THE CENTRE).
B/W	NEW BELOW COUNTER TWIN SOCKET MOUNTED AT 450mm WITH AN OVER COUNTER DOUBLE POLE ISOLATION SWITCH C/W NEON INDICATOR FOR ISOLATION MOUNTED AT 1100mm.
H/L	NEW SINGLE 13A SWITCHED SPUR OUTLET MOUNTED AT HIGH LEVEL ON THE WALL AT 2500mm A.F.F.L. EXACT HEIGHT SHALL BE CONFIRMED ON SITE.
L/L	NEW SINGLE 13A SWITCHED SPUR OUTLET MOUNTED AT LOW LEVEL ON THE WALL. EXACT HEIGHT SHALL BE CONFIRMED ON SITE.
HP	NEW SINGLE 13A UNSWITCHED SPUR OUTLET MOUNTED AT HIGH LEVEL ON THE WALL FOR THE POWER SUPPLY TO THE EXISTING INTRUDER ALARM PANEL. SPUR OUTLET INSTALLED AT 2700mm A.F.F.L. BUT THE EXACT HEIGHT OF THE SPUR SHALL BE CONFIRMED ON SITE.
EF	NEW SINGLE 13A SWITCHED SPUR OUTLET MOUNTED AT HIGH LEVEL ON THE WALL IN THE CEILING VOID FOR THE POWER SUPPLY TO THE EXISTING EXTRACT FAN. SPUR OUTLET INSTALLED AT 3200mm A.F.F.L. BUT EXACT HEIGHT OF THE SPUR SHALL BE CONFIRMED ON SITE.
HD	NEW SINGLE 13A SWITCHED SPUR OUTLET MOUNTED AT LOW LEVEL ON THE WALL FOR THE POWER SUPPLY TO THE EXISTING OR FUTURE HAND-DRYER. SPUR OUTLET INSTALLED AT 2500mm A.F.F.L. BUT THE EXACT HEIGHT OF THE SPUR SHALL BE CONFIRMED ON SITE.
DAS	NEW SINGLE 13A SWITCHED SPUR OUTLET MOUNTED AT HIGH LEVEL ON WALL AT HIGH LEVEL IN THE CEILING VOID FOR POWER SUPPLY TO THE EXISTING DOOR ACCESS SYSTEM. SPUR OUTLET INSTALLED AT 3000mm A.F.F.L. BUT THE EXACT HEIGHT OF THE SPUR SHALL BE CONFIRMED ON SITE.
DHD	NEW SINGLE 13A SWITCHED SPUR OUTLET MOUNTED ON THE WALL AT HIGH LEVEL IN THE CEILING VOID FOR POWER SUPPLY TO THE NEW MAGNETIC DOOR HOLD OPEN DEVICES. SPUR OUTLET INSTALLED AT 3000mm A.F.F.L. BUT THE EXACT HEIGHT OF THE SPUR SHALL BE CONFIRMED ON SITE.
EWH	NEW SINGLE 13A SWITCHED SPUR OUTLET MOUNTED AT LOW LEVEL ON THE WALL FOR THE POWER SUPPLY TO THE EXISTING ELECTRICAL UNDERSINK WATER HEATER. SPUR OUTLET INSTALLED AT 450mm A.F.F.L. BUT THE EXACT HEIGHT OF THE SPUR SHALL BE CONFIRMED ON SITE.
NMFAP	NEW SINGLE 13A UNSWITCHED SPUR OUTLET ON THE WALL FOR THE POWER SUPPLY TO THE NEW MAIN FIRE ALARM PANEL. SPUR OUTLET INSTALLED AT APPROXIMATELY 1400mm A.F.F.L. BUT THE EXACT HEIGHT OF THE SPUR SHALL BE CONFIRMED ON SITE.
NMDRP	NEW SINGLE 13A UNSWITCHED SPUR OUTLET ON THE WALL FOR THE POWER SUPPLY TO THE NEW MAIN DISABLED REFUGE PANEL. SPUR OUTLET INSTALLED AT APPROXIMATELY 1400mm A.F.F.L. BUT THE EXACT HEIGHT OF THE SPUR SHALL BE CONFIRMED ON SITE.
TPV	NEW SINGLE 13A SWITCHED SPUR OUTLET MOUNTED ON THE WALL AT HIGH LEVEL IN THE CEILING VOID FOR THE POWER SUPPLY TO THE EXISTING TWO-PORT VALVE. SPUR OUTLET INSTALLED AT 3000mm A.F.F.L. BUT THE EXACT HEIGHT OF THE SPUR SHALL BE CONFIRMED ON SITE.
FARP	NEW SINGLE 13A SWITCHED SPUR OUTLET MOUNTED ON THE WALL FOR THE POWER SUPPLY TO THE FIRE APARM REPEATER PANEL. SPUR OUTLET INSTALLED AT 1500mm A.F.F.L. BUT THE EXACT HEIGHT OF THE SPUR SHALL BE CONFIRMED ON SITE.
UAMC	NEW SINGLE 13A SWITCHED SPUR OUTLET MOUNTED AT HIGH LEVEL ON THE WALL FOR THE POWER SUPPLY TO THE EXISTING EMERGENCY CALL SYSTEM FOR THE UNIVERSAL TOILET. SPUR OUTLET INSTALLED AT 2500mm A.F.F.L. BUT THE EXACT HEIGHT OF THE SPUR SHALL BE CONFIRMED ON SITE.
GPPP	NEW SINGLE 13A SWITCHED SPUR OUTLET MOUNTED ON THE WALL FOR THE POWER SUPPLY TO THE GAS PRESSURE PROVING PANEL. SPUR OUTLET INSTALLED AT 1500mm A.F.F.L. BUT THE EXACT HEIGHT OF THE SPUR SHALL BE CONFIRMED ON SITE.
CCTV	NEW SINGLE 13A SWITCHED SPUR OUTLET MOUNTED ON THE WALL FOR THE CCTV CAMERAS. SPUR OUTLET INSTALLED AT 2850mm A.F.F.L. BUT THE EXACT HEIGHT OF THE SPUR SHALL BE CONFIRMED ON SITE.
	NEW 3-COMPARTMENT DADO TRUNKING TO BE INSTALLED. REFER TO THE DRAWING FOR MOUNTING HEIGHT AND ARRANGEMENT OF DADO TRUNKING.
DBL	NEW DADO TRUNKING DROP FROM HIGH LEVEL.
FU	NEW DOUBLE POLE ISOLATING SWITCH MOUNTED ON THE EXISTING DADO TRUNKING FOR ISOLATING THE POWER TO THE DOUBLE SOCKET AT HIGH LEVEL ON THE EXISTING DADO TRUNKING ARRANGEMENT.
2D	EXISTING DUAL CAT 6A OUTLET (2no) FOR DATA POINTS. ALL THESE DATA POINTS SHALL BE RETAINED, BUT SHALL BE INCORPORATED INTO THE NEW DADO TRUNKING ARRANGEMENT. ALLOW FOR INSTALLING NEW DATA POINTS ON THE DADO TRUNKING AND CONNECTING THE EXISTING DATA CABLING TO THE NEW DATA OUTLETS ON THE DADO TRUNKING (THE EXISTING DATA CABLING SHALL BE RETAINED)
CK	NEW COOKER SWITCH TO BE INSTALLED FOR THE EXISTING COOKER. ALLOW FOR CONNECTING NEW CABLING AND ASSOCIATED CONTAINMENT FROM THE NEW COOKER SWITCH TO THE EXISTING COOKER. REFER TO THE SPECIFICATIONS FOR FURTHER INFORMATION.
IP66	NEW EXTERNAL IP66 RATED TWIN 13A SWITCHED SOCKET OUTLET SURFACE MOUNTED ON THE WALL AT 450mm A.F.F.L.
T	EXISTING WALL MOUNTED TEMPERATURE STAT FOR THE HEATING IN THE ROOM. STAT MOUNTED AT 1350mm ABOVE FINISHED FLOOR LEVEL. THIS STAT SHALL BE RETAINED.
	EXISTING MOTORISED TWO-PORT VALVE ON THE HEATING PIPEWORK IN THE ROOM. THIS VALVE IS LINKED AND CONNECTED TO THE EXISTING WALL MOUNTED THERMOSTAT IN THE ROOM. THE EXISTING TWO-PORT VALVE SHALL BE RETAINED AND RE-WIRED TO THE EXISTING STAT.
	NEW CONTROL WIRING BETWEEN THE EXISTING THERMOSTAT AND THE EXISTING MOTORISED TWO-PORT IN THE ROOM.
	NEW CONTROL WIRING BETWEEN THE EXISTING EXTRACT FAN AND THE EXISTING EXTRACT FAN CONTROLLER.
EFCL	EXISTING EXTRACT FAN CONTROLLER FOR THE EXTRACT FAN IN THE ROOM. THIS CONTROLLER IS MOUNTED AT 1200mm A.F.F.L. THE EXISTING CONTROLLER SHALL BE RETAINED AND RE-WIRED TO THE EXISTING FAN.
A/C	ABOVE CEILING IN CEILING VOID
L/L	LOW LEVEL
H/L	HIGH LEVEL
A/W	ABOVE WORKTOP OR COUNTER
B/W	BELOW WORKTOP OR COUNTER
A.F.F.L	ABOVE FINISHED FLOOR LEVEL.
450	NEW SINGLE 13A SWITCHED SPUR OUTLET MOUNTED AT LOW LEVEL ON THE WALL. SPUR OUTLET INSTALLED AT 450mm A.F.F.L. BUT THE EXACT HEIGHT OF THE SPUR SHALL BE CONFIRMED ON SITE.
1D	NEW SINGLE CAT 6A OUTLET (1no) FOR THE NEW DOOR ACCESS SYSTEMS. THIS CABLING SHALL BE ROUTED BACK TO THE COMMS CABINET IN THE PRINCIPALS OFFICE (ALLOW FOR A CABLE LENGTH OF 50METRES FOR EACH CABLE). ALL CABLING FOR THE NEW DATA POINTS SHALL BE INSTALLED IN CAT6 CABLE.

GENERAL NOTES:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE PARTICULAR SPECIFICATIONS.
2. THE CONTRACTOR SHALL CO-ORDINATE FULLY WITH ALL OTHER TRADES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CO-ORDINATION OF ALL SERVICES AND WORKS REQUIRED FOR THE PROJECT. THE CONTRACTOR SHALL CO-ORDINATE FULLY WITH ALL OTHER TRADES BEFORE COMMENCING WORK.
3. EXTRA COSTS INCURRED DUE TO THE CO-ORDINATION EXERCISE NOT BEING COMPLETED WILL NOT BE ACCEPTED BY THE ENGINEER.
4. DO NOT SCALE THIS DRAWING. ALL DIMENSIONS TO BE TAKEN ON SITE. ALL DIMENSIONS IN mm, UNLESS STATED OTHERWISE
5. EXACT LOCATIONS OF ALL SERVICES TO BE AGREED ON SITE. FINAL LOCATIONS OF ALL SERVICES TO BE CO-ORDINATED ON SITE WITH EXISTING LOOSE AND FIXED FURNITURE LAYOUTS IN THE ROOM.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ELECTRICAL WORKS AND BUILDERS WORKS AS IDENTIFIED ON THE DRAWINGS AND IN THE SPECIFICATIONS.
7. THE MAJORITY OF THE EXISTING ELECTRICAL INSTALLATION THROUGHOUT THE BUILDING SHALL BE DECOMMISSIONED AND REMOVED AND REPLACED WITH NEW ELECTRICAL INSTALLATIONS. THE CONTRACTOR SHALL ALLOW FOR DECOMMISSIONING THE FOLLOWING ITEMS THROUGHOUT THE BUILDING AS INDICATED ON THE DRAWINGS:
   - THE EXISTING ELECTRICAL BOARDS IN THE BUILDING SHALL BE DECOMMISSIONED AND REMOVED (APART FROM NEW COOKER BOARD).
   - THE EXISTING POWER AND GENERAL SERVICES INSTALLATION THROUGHOUT THE BUILDING (APART FROM THE NEW COOKER) SHALL BE DECOMMISSIONED AND REMOVED. INCLUDING ALL SOCKETS, SPURS, ISOLATORS, CABLING, ETC.
   - THE EXISTING GENERAL LIGHTING SERVICES INSTALLATION THROUGHOUT THE BUILDING (THE ASD CENTRAL BLOCK LIGHT FITTINGS AND SWITCHES SHALL BE RETAINED AND REWIRED BACK TO THE NEW SUB DISTRIBUTION NSDB.06) AND ALL THE EXTERNAL LIGHTING SHALL BE DECOMMISSIONED AND REMOVED INCLUDING ALL LIGHT FITTINGS, CABLING, CONTAINMENT, ETC.
   - THE EXISTING EMERGENCY LIGHTING SERVICES INSTALLATION THROUGHOUT THE BUILDING AND THE NEW EXTENSION SHALL BE DECOMMISSIONED AND REMOVED INCLUDING ALL EMERGENCY LIGHT FITTINGS, CABLING, CONTAINMENT, ETC.
   - THE EXISTING FIRE ALARM SERVICES INSTALLATION THROUGHOUT THE BUILDING AND THE EXTENSION BUILDING SHALL BE DECOMMISSIONED AND REMOVED INCLUDING ALL SMOKE DETECTORS, HEAT DETECTORS, PANELS, ETC.

POWER AND GENERAL SERVICES NOTES:

8. THE CONTRACTOR SHALL ALLOW FOR DECOMMISSIONING AND REMOVING THE EXISTING POWER AND GENERAL SERVICES INSTALLATION THROUGHOUT THE BUILDING (THE ASD CENTRAL BLOCK POWER AND GENERAL SERVICES FITTINGS SHALL BE RETAINED AND REWIRED BACK TO NSDB.06). THIS INCLUDES ALL EXISTING ELECTRICAL BOARDS, EXISTING SOCKETS, EXISTING SPURS, POWER SUPPLIES, CABLING, CONTROLS, SWITCHES, ETC. A NEW POWER AND GENERAL SERVICES INSTALLATION SHALL BE INSTALLED THROUGHOUT THE BUILDING AS HIGHLIGHTED ON THESE DRAWINGS & IN THE TENDER SPECIFICATIONS.
9. THE CONTRACTOR SHALL ALLOW FOR THE SUPPLY, INSTALLATION AND COMMISSIONING OF A NEW POWER AND GENERAL SERVICES INSTALLATION THROUGHOUT THE BUILDING (THE ASD CENTRAL BLOCK POWER AND GENERAL SERVICES FITTINGS SHALL BE RETAINED AND REWIRED BACK TO NSDB.06) AS INDICATED ON THE DRAWINGS. THE CONTRACTOR SHALL ALLOW FOR THE SUPPLY, INSTALLATION AND CABLING OF ALL NEW ELECTRICAL BOARDS, SOCKETS, SPURS, POWER SUPPLIES, ETC. THROUGHOUT THE BUILDING. REFER TO DRAWINGS FOR QUANTITIES AND LOCATIONS.
10. FINAL LOCATION OF ALL ITEMS OF PLANT/EQUIPMENT/SOCKETS/IT POINTS ETC. SHALL BE AGREED ON SITE WITH THE EMPLOYERS REPRESENTATIVE AND THE CLIENT.
11. ALLOW FOR POWER SUPPLY & ELECTRICAL CONNECTION TO ALL MECHANICAL ITEMS IDENTIFIED. THE ELECTRICAL CONTRACTOR SHALL CO-ORDINATE THE REQUIRED ELECTRICAL SERVICES REQUIRED TO THE MECHANICAL PLANT AND ITEMS WITH THE MECHANICAL CONTRACTOR ON SITE.
12. WHERE SIGNAL/CONTROL CABLES ARE ROUTED TO THEIR RESPECTIVE CONTROL PANEL PROVIDE GALVANISED STEEL TRUNKING TO ENCLOSE MULTIPLE RUNS OF CABLE.
13. SEE OTHER ELECTRICAL DRAWINGS FOR LOCATIONS OF OTHER ELECTRICAL EQUIPMENT THAT WILL REQUIRE POWER ATTENDANCES.
14. SEE THE ELECTRICAL SCHEMATIC ON DRAWING 61(E001) FOR DETAILS ON THE ELECTRICAL BOARDS, SIZE OF SUB-MAINS CABLE TO BE SUPPLIED FROM THE MAIN BOARD TO ELECTRICAL BOARDS AND ALL INFORMATION ON THE ELECTRICAL BOARDS. REFER TO DRAWINGS AND SCHEMATICS FOR LOCATIONS AND QUANTITIES OF NEW ELECTRICAL BOARDS TO BE SUPPLIED AND INSTALLED IN THE BUILDING.
15. ALL CONDUITS BELOW THE CEILING THROUGHOUT THE BUILDING SHALL BE SURFACE MOUNTED. ALL CONDUITS TO ELECTRICAL ITEMS SHALL BE SURFACE MOUNTED.
16. THE CONTRACTOR SHALL ALLOW FOR ALL DADO TRUNKING DROPS AND LAYOUTS AS INDICATED ON THE DRAWINGS. THE CONTRACTOR SHALL ALLOW FOR ALL ELECTRICAL ITEMS AS INDICATED ON THE DRAWINGS ON THE DADO TRUNKING.
17. THE CONTRACTOR SHALL ALLOW OF THE EFFECTIVE BONDING AND EARTHING OF THE ELECTRICAL INSTALLATION AND THE ELECTRICAL CABLE CONTAINMENT SYSTEM. ALL EARTHING AND BONDING SHALL COMPLY WITH CURRENT ETCI REGULATIONS.
18. A MAXIMUM OF 5no DOUBLE SOCKETS SHALL BE INSTALLED ON ONE CIRCUIT.
19. THE CONTRACTOR SHALL ALLOW FOR ALL ITEMS AND SERVICES AS INDICATED ON THE DRAWINGS.
20. THE CONTRACTOR SHALL ALLOW FOR THE SUPPLY AND INSTALLATION OF ALL THE NEW ELECTRICAL BOARDS THROUGHOUT THE BUILDING (APART FROM THE NEW COOKER BOARD). REFER TO DRAWING 61(E001) FOR THE SCHEMATIC OF THE BOARDS AND DRAWINGS 62(E001), 62(E002) & 62(E003) FOR LOCATIONS OF ALL THE NEW ELECTRICAL BOARDS TO BE SUPPLIED AND INSTALLED IN THE BUILDING.
21. ALL SOCKETS TO BE INSTALLED IN THE BUILDING SHALL BE 'PART M' COMPLIANT AND SHALL HAVE A CONTRASTING COLOUR TO THE WALL OR ITEM THEY ARE MOUNTED ON. REFER TO THE SPECIFICATION FOR FURTHER DETAILS.
22. THE CONTRACTOR SHALL ALLOW FOR ALL ELECTRICAL ATTENDANCES THAT ARE REQUIRED TO THE MECHANICAL INSTALLATION. THE ELECTRICAL CONTRACTOR SHALL DISCUSS ALL REQUIREMENTS WITH THE MECHANICAL CONTRACTOR ON SITE.
23. THE EXISTING POWER AND GENERAL SERVICES INSTALLATION IN THE ASD CENTRAL BLOCK SHALL BE RETAINED AND REWIRED BACK TO THE NEW SUB DISTRIBUTION NSDB.06 IN THE STORE AND INDICATED ON THE DRAWINGS.

REV	DATE	PREPARED BY/PROJECT ENGINEER	QUALITY CHECK BY:
T1	02.11.26	R. WHYTE	M. GORMLEY

M&E CONSULTANT

Galileo ENERGY SERVICES

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

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CO. MEATH.
A85 P296

Drawing Title: NEW POWER AND GENERAL SERVICES INSTALLATION LAYOUT FOR 'AREA B' ON THE GROUND FLOOR OF THE BUILDING.

Architect:

Drawing No: 62(E002)

Job No.	Drawn by:	Scale:	Rev.
26-066	R.W.	1:125 on A1	T1