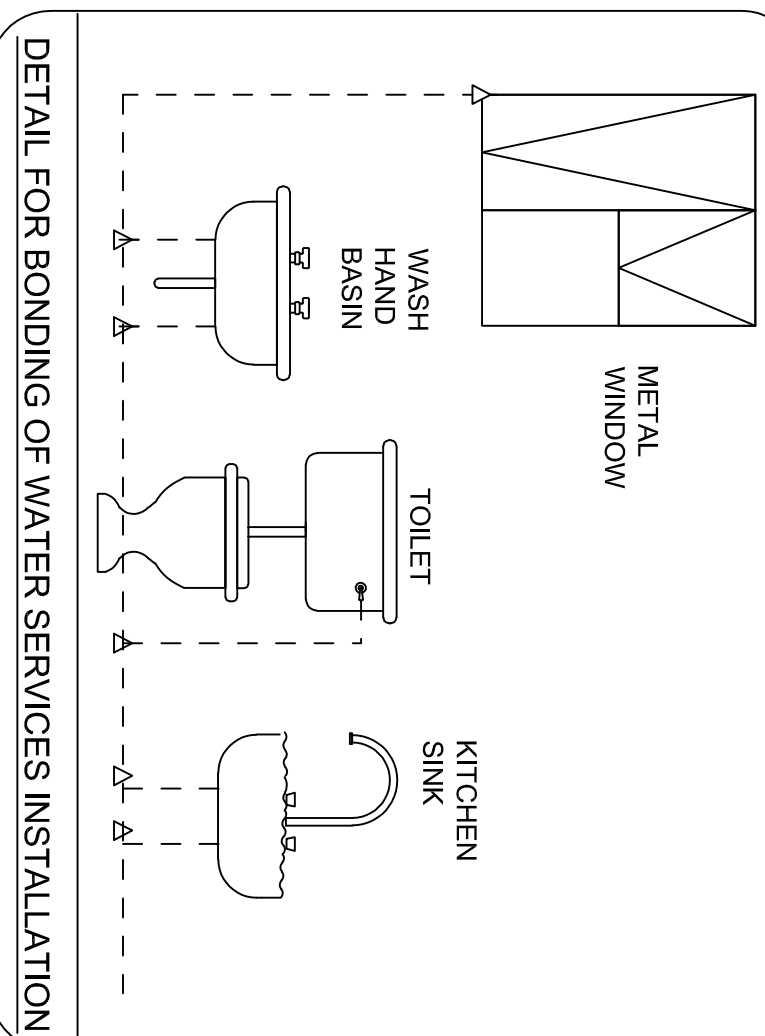
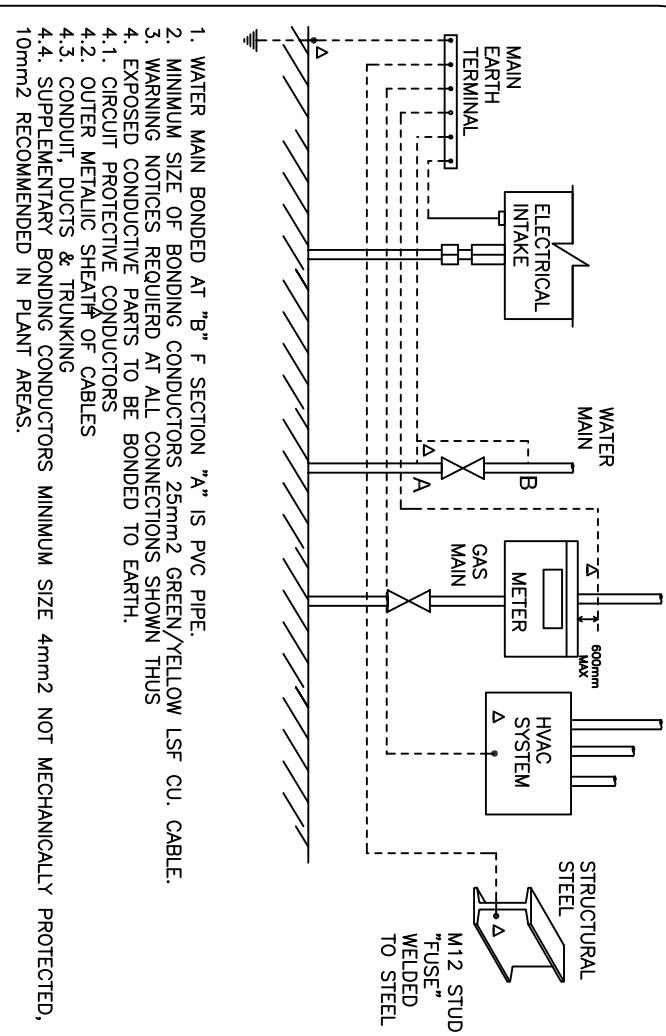




POWER AND GENERAL SERVICES INSTALLATION LAYOUT (SCALE 1:50)



DETAIL FOR BONDING OF WATER SERVICES INSTALLATION



MAIN EQUIPOTENTIAL BONDING CONNECTION

POWER AND GENERAL SERVICES	
LEGENDS AND SYMBOLS	
NSIB-4+ NON-SUB-REGISTRATION ELECTRICAL SYMBOL TO BE USED FOR IDENTIFICATION AND INSTALLATION IN THE DRAWING. (* DENOTES NUMBER OF POLE/PHASE)	
	13A SWITCHED SOCKET OUTLET RECESSED INTO THE FURNITURE AT APPROXIMATELY 900mm.
	13A SWITCHED SOCKET OUTLET INSTALLED ON A PEDESTAL. BOX, HAT AND SHALL BE INSTALLED ON THE STUDENT'S BACK.
	BELOW COUNTER 13A SOCKET MOUNTED AT 450mm WITH AN OVER COUNTER DOUBLE POLE ISOLATED SWITCH C/W NON INDICATOR FOR ISOLATION MOUNTED AT 1100mm.
	DOUBLE POLE ISOLATING SWITCH MOUNTED ON THE DADO TRUNKING FOR ISOLATING THE POWER TO THE DOUBLE SOCKET AT HIGH LEVEL ON THE DADO TRUNKING ARRANGEMENT.
	NEW DATA POINTS SHALL BE CABLED FROM THE EXISTING CAT6A DADO TRUNKING. ALLOW FOR A CABLE LENGTH OF 10METRES FOR EACH DATA POINT
	NEW SINGLE CAT 6A OUTLET (10A) FOR A DATA POINT. ALL THESE DATA POINTS SHALL BE CABLED FROM THE EXISTING CAT6A DADO TRUNKING. ALLOW FOR A CABLE LENGTH OF 10METRES FOR EACH DATA POINT
	SINGLE 13A SWITCHED SPUR OUTLET MOUNTED AT LOW LEVEL ON WALL FOR THE POWER SUPPLY TO THE NEW CARBON AFTL. BUT THE EXACT HEIGHT OF THE SPUR SHALL BE CONFIRMED ON SITE.
	SINGLE 13A SWITCHED SPUR OUTLET MOUNTED AT LOW LEVEL ON THE DADO TRUNKING FOR THE POWER SUPPLY TO THE GAS PRESSURE RISING PUMP. SPUR OUTLET OF THE SPUR SHALL BE CONFIRMED ON SITE.
	SINGLE 13A SWITCHED SPUR OUTLET MOUNTED AT LOW LEVEL ON WALL FOR THE POWER SUPPLY TO THE NEW GAS SOLIDATION VALVE. SPUR OUTLET INSTALLED AT 450mm AFTL. BUT THE EXACT HEIGHT OF THE SPUR SHALL BE CONFIRMED ON SITE.
	SINGLE 13A SWITCHED SPUR OUTLET MOUNTED AT LOW LEVEL ON WALL FOR THE POWER SUPPLY TO THE NEW CARBON AFTL. BUT THE EXACT HEIGHT OF THE SPUR SHALL BE CONFIRMED ON SITE.
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	CO ₂ MONITOR WITH LED DISPLAY MOUNTED AT 1400mm AFTL.
	NEW EMERGENCY ELECTRICAL SHUT-OFF BUTTON FOR THE ELECTRICAL INSTALLATION IN THE SCIENCE ROOM.
	NEW POWER SUPPLY FOR DOOR ACCESS SYSTEM
	NEW EMERGENCY BREAK GLASS UNIT FOR DOOR ACCESS SYSTEM
	NEW DOOR RELEASE BUTTON FOR DOOR ACCESS SYSTEM
	NEW PROXIMITY CARD READER/PROX READER UNIT FOR DOOR ACCESS SYSTEM
	EXISTING PLASTIC ADDRESS PRESSER MOUNTED AT HIGH LEVEL (THIS PRESSER SHALL BE RETAINED)

GENERAL NOTES:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL MECHANICAL, ELECTRICAL, PLUMBING AND STRUCTURAL SPECIFICATIONS.
 2. THE ELECTRICAL CONTRACTOR SHALL COORDINATE ALL ELECTRICAL WORK WITH ALL OTHER TRADES BEFORE ANY ELECTRICAL WORK IS INITIATED.
 3. THE ELECTRICAL CONTRACTOR SHALL ALLOW FOR THE NECESSARY ELECTRICAL INSTALLATION OF ALL THE NECESSARY INFORMATION TO ALLOW THE MAIN CONTRACTOR CO-ORDINATE ALL SERVICES.
 4. THE ELECTRICAL CONTRACTOR SHALL ALLOW FOR THE NECESSARY ELECTRICAL INSTALLATION OF THE MECHANICAL CONTRACTOR'S SITES. EXTRA COSTS INCURRED DUE TO THE CO-ORDINATION OF THE ELECTRICAL CONTRACTOR SHALL NOT BE ACCEPTED BY THE ENGINEER.
 5. DO NOT SCALE THIS DRAWING. ALL DIMENSIONS TO BE TAKEN ON SITE.
 6. THE ELECTRICAL CONTRACTOR SHALL ALLOW FOR THE SUPPLY AND INSTALLATION OF ALL ELECTRICAL SERVICES INDICATED ON THIS DRAWING.
 7. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO IDENTIFY SUFFICIENT FINAL ROUTES FOR CABLES, ELECTRICAL, ELECTRICAL SERVICES, ETC. AS INDICATED ON THE DRAWINGS.
 8. THE MAIN RUN OF ELECTRICAL CONDUIT AND IF THE CONTRACTOR FINDS A MORE CONVENIENT ROUTE FOR THE ELECTRICAL SERVICES ON SITE THEN THIS WILL BE ACCEPTABLE.
 9. FINAL LOCATION OF ALL FINAL OF PLUMBING/EQUIPMENT/PENETRATIONS, ETC. SHALL BE AGREED ON SITE WITH THE EMPLOYERS REPRESENTATIVE AND THE CLIENT.
 10. ALL SERVICES THROUGH THE BARBERS SHALL BE SITED EAST SIDE OF THE BARBERS. THE MAIN CONTRACTOR SHALL ALLOW FOR THE PROVISION THE OTHER PARTS OF THE BUILDING. THE CONTRACTOR SHALL ALLOW FOR ALL NECESSARY LABORATORY, WIRING AND FITTINGS IN CONJUNCTION WITH THE ELECTRICAL WORKS AS INDICATED ON THE DRAWINGS AND SPECIFICATIONS.
- POWER AND GENERAL SERVICES NOTES:**

POWER AND GENERAL SERVICES NOTES:

- [illegible]

17. THE CONTRACTOR SHALL ALLOW FOR ALL ELECTRICAL ATTACHMENTS AND BE REQUIRED TO REPAIR THE MECHANICAL INSTALLATION. THE ELECTRICAL CONTRACTOR SHALL DISCUSS ALL REQUIREMENTS WITH THE MECHANICAL CONTRACTOR ON SITE.
18. ALL CONDENS BELOW THE CEILING THROUGHOUT THE BUILDING SHALL BE SURFACE MOUNTED.
19. THE CONTRACTOR SHALL ALLOW FOR ALL DASH TERMINAL DROPS AND JUNCTIONS AS INDICATED ON THE DRAWINGS. THE CONTRACTOR SHALL ALLOW FOR ALL ELECTRICAL ITEMS AS INDICATED ON THE DRAWINGS ON THE DASH TERMINAL.
20. THE CONTRACTOR SHALL ALLOW OF THE EFFECTIVE BONDING AND EARTHING OF THE ELECTRICAL SYSTEM TO THE BUILDING. THE CONTRACTOR SHALL ALLOW FOR ALL EARTHING AND BONDING SHALL COMPLY WITH CURRENT IEC REGULATIONS.
21. A MINIMUM OF 4mm DOUBLE SOCKETS SHALL BE INSTALLED ON ONE CIRCUIT.
22. THE CONTRACTOR SHALL ALLOW FOR ALL ITEMS AND SERVICES AS INDICATED ON THE DRAWINGS.
23. THE CONTRACTOR SHALL ALLOW FOR THE SUPPLY AND INSTALLATION OF THE NEW ELECTRICAL BOARD IN THE REEF POOL. REFER TO DRAWINGS FOR THE SPECIFIC OF THE BOARD.
24. ALL SOCKETS TO BE INSTALLED IN THE BOWNS SHALL BE 16AMP 240V AND SHALL BE REQUIRED FOR FURTHER ITEMS.
25. THE CONTRACTOR SHALL ALLOW FOR ALL ELECTRICAL ATTACHMENTS AND BE REQUIRED TO REPAIR THE MECHANICAL INSTALLATION. THE ELECTRICAL CONTRACTOR SHALL DISCUSS ALL REQUIREMENTS WITH THE MECHANICAL CONTRACTOR ON SITE.

Job No.	Drawn By	Scale	Rev.
26-028	J.M	1:50 on A1	T2

Architect	McCLAIN	McCloughlin Architecture Unit 45, Elm House, Millennium Park, Nicos, Co. Kildare
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Drawing Title	NEW POWER AND GENERAL SERVICES TO BE INSTALLED IN THE SCIENCE ROOM

M&E CONSULTANT				
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T1	04.06.26	1.	MARTIN	G. BENNDORF
rev	date	prepared by	product number	quantity check by: