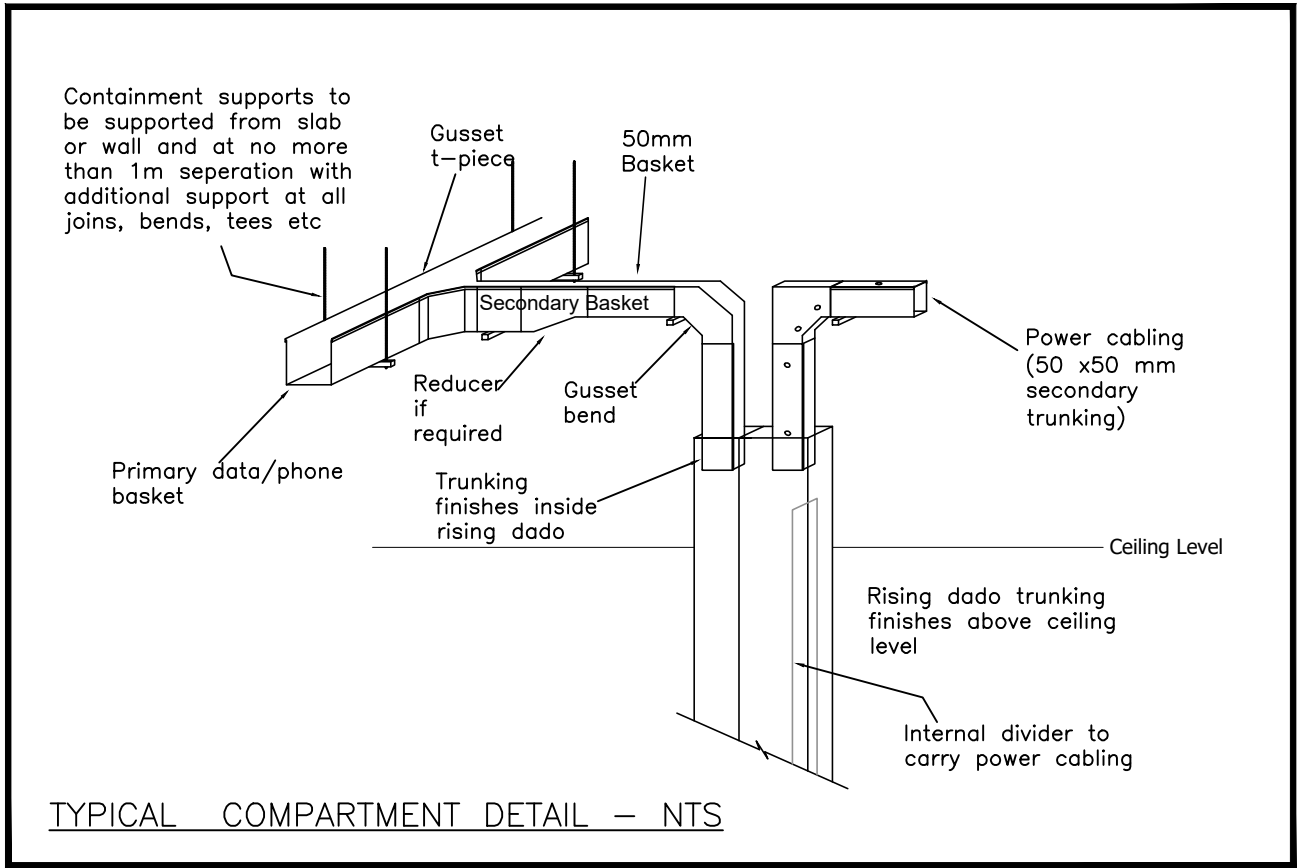


CONTAINMENT LEGEND			
— SUBMAIN —	—	CABLE BASKET FOR SUBMAINS CABLING.	
— PL —	—	GALVANISED STEEL TRUNKING FOR LIGHTING AND POWER.	
— DT —	—	GALVANISED WIRE CABLE BASKET FOR DATA CABLING. FIRE ALARM CABLE IS TO BE INSTALLED ON SEPARATE CABLE BASKET	
— CCTV —	—	GALVANISED WIRE CABLE BASKET FOR CCTV/PA CABLING.	

NOTES

- REFER TO SCHEMATIC WIRING DIAGRAMS FOR FURTHER INFORMATION WHERE APPLICABLE.
- EXACT LOCATIONS AND MOUNTING HEIGHTS OF ALL EQUIPMENT AND ACCESSORIES TO BE CLARIFIED PRIOR TO THE COMMENCEMENT OF THE ASSOCIATED WORKS.
- CONDUITS ARE NOT NORMALLY NOTED ON CONTAINMENT DRAWINGS. CONTRACTORS SHALL INCLUDE FOR PROVISION AND INSTALLATION OF ALL NECESSARY CONDUIT SYSTEMS FOR FINAL CONNECTIONS FROM TRAY / TRUNKING SYSTEMS TO FITTINGS, FIXTURES AND ACCESSORIES. CONDUIT SHALL BE OF THE GALVANISED METAL TYPE IS ALL AREAS, UNLESS OTHERWISE AGREED WITH THE CONSULTING ENGINEERS.
- VERTICAL CONTAINMENT DROPS TO EQUIPMENT OR RISING CONTAINMENT IS NOT ALWAYS SHOWN ON THESE DRAWINGS TO PRESERVE CLARITY. CONTRACTORS SHALL INCLUDE FOR ALL NECESSARY INTERCONNECTIONS BETWEEN HORIZONTAL CONTAINMENT SYSTEMS.
- ONLY PURELY INDICATIVE PRINCIPLE CONTAINMENT ROUTES ARE INDICATED ON THESE DRAWINGS. THIS IS NOT A COMPLETE RECORD OF REQUIRED CONTAINMENT AND CONTRACTORS SHALL BE RESPONSIBLE FOR PROVIDING THE INDICATED CONTAINMENT AS A MINIMUM AND CO-ORDINATING IT FULLY WITH THE MECHANICAL INSTALLATION. ANY ADDITIONAL CONTAINMENT REQUIRED TO PROVIDE AN ACCEPTABLY NEAT AND ORGANISED INSTALLATION TO THE REQUIREMENTS OF THE CONSULTING ENGINEERS SHALL BE PROVIDED BY THE ELECTRICAL SUB-CONTRACTOR UNDER THIS CONTRACT.
- CONDUITS ARE NOT SHOWN ON THIS DRAWING. CONDUITS SHALL BE PROVIDED AS REQUIRED.
- FIRE ALARM CABLING SHALL BE CLIPPED DIRECT TO STRUCTURE WHERE NOT CONTAINED IN TRAY VIA SUITABLY FIRE RATED CABLE CLIPS / BAND.
- ALL CABLES SHALL BE SUPPORTED IN FULL COMPLIANCE WITH THE RECOMMENDATIONS SET OUT IN BS 7671
- SUB-MAINS TRAY IS SHOWN HERE FOR THE PURPOSES OF CO-ORDINATION ONLY. PLEASE REFER 600 SERIES OF DRAWINGS FOR FURTHER DETAILS OF SUB-MAIN DISTRIBUTION.
- ALL WIRING INSTALLATION IS TO BE IN ACCORDANCE WITH BS 7671 IEE WIRING REGULATIONS.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE MECHANICAL DRAWINGS AND ALL OTHER RELEVANT DRAWINGS AND DOCUMENTS.
- THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL NECESSARY CONTAINMENT, CONDUIT DROPS, BACK BOXES AND POWER SUPPLIES TO ALL ITEMS OF EQUIPMENT AS NECESSARY.
- THE ELECTRICAL CONTRACTOR IS TO TAKE FULL COGNISANCE OF THE CDM HEALTH AND SAFETY PLAN, PRODUCING FULL METHOD STATEMENTS FOR ALL HAZARDOUS OPERATIONS. THE ELECTRICAL CONTRACTOR SHALL ALSO PROVIDE METHOD STATEMENTS FOR ANY HAZARDOUS OPERATION WHICH BECOMES APPARENT THROUGHOUT THE CONSTRUCTION STAGE.
- IN ACCORDANCE WITH BS7671, THE ELECTRICAL CONTRACTOR IS TO SUPPLY, INSTALL, TEST, DEMONSTRATE, COMMISSION AND PROVIDE OPERATIONAL TRAINING FOR ALL ELECTRICAL SYSTEMS.
- THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL ON SITE COORDINATION WITH ALL PARTIES TO PROVIDE FULL SERVICES CO-ORDINATION.
- THE CONTRACTOR IS TO INCLUDE FOR ALL ITEMS DEEMED NECESSARY TO PROVIDE A SAFE, COMPLETE AND FULLY OPERATIONAL SYSTEM.
- POSITIONS AND MOUNTING HEIGHTS OF ALL ITEMS SHOWN ARE INDICATIVE FINAL LOCATION OF ALL EQUIPMENT ARE TO BE AGREED WITH THE ENGINEER/CLIENT PRIOR TO COMMENCEMENT OF FIRST FIX AND IN ACCORDANCE WITH DDA REQUIREMENTS.
- ANY APERTURE WITHIN A FIRE RATED WALL SHALL BE SEALED TO THE DEGREE OF FIRE RESISTANCE PRESCRIBED FOR THE RESPECTIVE BUILDING ELEMENT IN ACCORDANCE WITH BS 7671 AND CURRENT BUILDING REGULATIONS. REFER TO FIRE STRATEGY DRAWING FOR LOCATIONS OF ALL FIRE RATED PARTITIONS AND WALLS.
- THE ELECTRICAL CONTRACTOR IS TO INCLUDE WITHIN THEIR TENDER FOR THE SUPPLY AND INSTALLATION OF INTUMESCENT AND ACOUSTIC PUTTY PADS THROUGHOUT.
- THE ELECTRICAL CONTRACTOR IS TO INCLUDE FOR ALL FINAL CONNECTIONS.
- THE ELECTRICAL CONTRACTOR IS TO INCLUDE FOR ALL REQUIRED EARTHING AND BONDING INSTALLATION.
- ALL DATA OUTLETS ARE TO HAVE PRINTED LABELS/NUMBERING TO STANDARDS PREVIOUSLY SPECIFIED WITHIN THE CONTRACT DOCUMENTS. THIS IS ALSO TO BE PROVIDED AT THE PATCH PANEL WITH A SCHEDULE OF ALL NUMBERED OUTLETS COMPLETED AND MOUNTED ADJACENT TO THE PATCH PANEL.
- THE ELECTRICAL CONTRACTOR IS TO ALLOW FOR ALL CABLING & POWER SUPPLY REQUIREMENTS FOR ALL ITEMS OF MECHANICAL PLANT AND EQUIPMENT. THE ELECTRICAL CONTRACTOR IS TO LIAISE DIRECTLY WITH THE MECHANICAL CONTRACTOR PRIOR TO 1st FIX, SO AS TO ENSURE THAT ALL ITEMS OF PLANT AND EQUIPMENT HAVE BEEN ACCOUNTED FOR IN TERMS OF APPROPRIATE POWER SUPPLIES AND CABLING FROM CORRECT MECHANICAL CONTROL PANELS.
- ALL SPUR UNITS AND ISOLATORS THROUGH-OUT THE BUILDING WORKS ARE TO BE LABELED WITH FUNCTION AND CIRCUIT REFERENCE. LABELING IS TO BE BY MEANS OF WHITE IVORINE LABEL WITH BLACK LETTERING, SCREW FIXED (NOT DYNO-TAPE).
- BUILDING SERVICES SYSTEMS ARE TO BE DESIGNED, INSTALLED AND COMMISSIONED FOR THE PURPOSES OF CONSERVATION OF FUEL AND POWER AND HANDED OVER IN EFFICIENT WORKING ORDER.
- ALL NECESSARY SUPPORTS, FIXINGS, BRACKETERY COUPLERS, ETC FOR FIXING TO THE BUILDING FABRIC TO BE INCLUDED TO ENSURE SAFE, RIGID INSTALLATION.
- THE ELECTRICAL CONTRACTOR IS TO PROVIDE THE BUILDING OWNER WITH AN OPERATIONAL AND MAINTENANCE MANUAL. THE O & M MANUAL/CD IS TO PROVIDE SUFFICIENT INFORMATION, INCLUDING DETAILS OF INSTALLED BUILDING SERVICES, PLANT AND CONTROLS, THEIR METHOD OF OPERATION AND MAINTENANCE TO ENABLE THE BUILDING AND ITS FIXED SERVICES TO BE USED IN AN ENERGY EFFICIENT MANNER.
- ALL ACCESSORIES/CONDUIT RUNS WITHIN THE PLANT ROOMS, SWITCH ROOM, STAIRCASE WERE NOT RECESSED SHALL BE METAL CLAD TYPE SUPPLIED VIA GALVANISED STEEL CONDUIT.
- THE CONTRACTOR SHALL ENSURE THAT THE MINIMUM SEPARATION DISTANCE ARE MAINTAINED THROUGHOUT. FAILURE TO ENSURE THIS WILL RESULT IN THE ELECTRICAL CONTRACTOR HAVING TO REMOVE AND REINSTALL TRUNKING AT HIS OWN EXPENSE.
- THE CONTRACTOR SHALL ENSURE THAT 45 DEGREE GUSSET BENDS AND JOINTS ARE UTILIZED FOR CONNECTION TO DADO TRUNKING FOR STRUCTURED CABLING. APPROPRIATE REDUCER PIECE TO BE UTILIZED FROM MAIN TRUNKING TO BRANCH CONNECTIONS.
- TRUNKING SHALL BE SUPPORTED EVERY 500MM UTILISING 8MM THREADED ROD.
- TEE SECTIONS SHALL BE MANUFACTURER'S ITEMS.



INCLUDE ALL NECESSARY OFFSETS OF SERVICES IN CEILING VOIDS, SERVICE DUCTS AND ALL OTHER AREAS TO ACHIEVE CROSSOVERS AND CO-ORDINATION OF MECHANICAL AND ELECTRICAL SERVICES.

T2	01.09.19	TENDER DESIGN UPDATE	LW	PON
T1	APR 19	TENDER ISSUE	LW	PON
REV	DATE	DESCRIPTION	DR	CK

Caldwell

ARCHITECT

CONSARC

JOB

RENFREW STREET, GLASGOW

MALDRON HOTEL

DRAWING

ELECTRICAL SERVICES INSTALLATION

PROPOSED CONTAINMENT INSTALLATION

GROUND FLOOR PLAN

DRAWING No./REVISION

3840/E400

T2

SCALE/PRINTED AT	DATE	DRAWN	CHECKED
1:100@A1	APR 19	LW	PON

UNIT 6 FORESTGROVE BUSINESS PARK
NEWTOWNBRED A BELFAST BT8 6AW

TEL: 02890699720 FAX: 02890641625
E-MAIL: admin@caldwellconsulting.net