A1

GENERAL NOTES

1) Do not scale services equipment from this drawing.
2) All dimensions should be checked on site.
3) Any drawing errors or divergences should be brought to the attention of Geaney Engineering Consultants at the address shown below.
4) Drawing to be read in conjunction with all other drawings and documentation.

NOTES:

1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL MECHANICAL, ELECTRICAL, ARCHITECTURAL AND STRUCTURAL DRAWINGS & SPECIFICATIONS.
2. THE ELECTRICAL CONTRACTOR SHALL CO-ORDINATE ALL SERVICES FULLY WITH ALL TRADES BEFORE COMMENCING WORK.
3. DO NOT SCALE THIS DRAWING. ALL DIMENSIONS SHALL BE TAKEN ON SITE.
4. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY INFORMATION TO ALLOW PROPER CO-ORDINATION OF ALL SERVICES.
5. EXTRA COSTS INCURRED DUE TO THE CO-ORDINATION EXERCISE NOT BEING COMPLETED WILL NOT BE ACCEPTED BY THE ENGINEER.
6. EXACT LOCATION OF ALL SERVICES SHALL BE AGREED WITH THE EMPLOYERS REPRESENTATIVE PRIOR TO COMMENCEMENT ON SITE.
7. ALL SERVICES AS SHOWN ON THIS DRAWING SHALL BE INCLUDED IN THE FINAL TENDER PRICE.
8. SAMPLE OF ALL EQUIPMENT SHALL BE APPROVED BY CLIENT, ARCHITECT AND BUILDING SERVICES ENGINEER PRIOR TO ORDERING.
9. ALL DIMENSIONS IN MILLIMETRES UNLESS STATED OTHERWISE.

FIRE ALARM & DETECTION NOTES:

1. THE FIRE ALARM SYSTEM SHALL COMPLY WITH I.S. 3218:2024 (NEW WORKS).
2. ALL FIRE ALARM & DETECTION SERVICES INDICATED & NOTED ON THIS DRAWING ARE PART OF THE NEW INSTALLATION UNLESS INDICATED OTHERWISE.
3. ALL EQUIPMENT REQUIRED TO PROVIDE A COMPLETE AND WORKING FIRE ALARM SYSTEM AS INDICATED ON THE DRAWINGS IS TO BE SUPPLIED, INSTALLED AND COMMISSIONED UNDER THIS CONTRACT.
4. FIRE ALARM & DETECTION CABLING SHALL BE ENHANCED GRADE 120 AS STATED IN BS5839-1.
5. PRIMARY CONTAINMENT FOR FIRE ALARM & DETECTION CABLING SHALL BE DEDICATED GALVANISED STEEL CABLE TRAY. CABLING FROM PRIMARY CONTAINMENT TO INDIVIDUAL DEVICES (<2.0m) SHALL BE CLIPPED TO STRUCTURE WITH P-CLIPS RATED TO WITHSTAND A SIMILAR TEMPERATURE AND DURATION TO THAT OF THE CABLING (ENHANCED GRADE 120). THE MAXIMUM LENGTH OF CABLING TO BE RUN WITHOUT CABLE TRAY SHALL BE 2.0m. VERTICAL DROPS TO WALL MOUNTED DEVICES SHALL BE CARRIED IN 25# GALVANISED STEEL CONDUITS.
6. MANUAL CALL POINTS SHALL BE SEMI-RECESSED C/W RECESSED GALVANISED STEEL BACKBOXES UNLESS AGREED OTHERWISE BY THE DESIGN TEAM. GALVANISED STEEL CONDUITS TO SAME SHALL BE RECESSED IN STUD PARTITIONS/DRY LINING OR CHASED INTO MASONRY WALLS IF NECESSARY – LIAISE WITH MAIN CONTRACTOR. INTUMESCENT FIRE PADS TO BE FIXED TO THE REAR OF BACK BOXES RECESSED IN STUD PARTITIONS. THE INTEGRITY OF THE FIRE RATED PARTITIONS MUST BE MAINTAINED.
7. MANUAL CALL POINTS SHALL BE INSTALLED AT 1200mm A.F.F.L. AND SHALL BE LOCATED IN EASILY ACCESSIBLE, WELL ILLUMINATED AND CONSPICUOUS POSITIONS THAT ARE FREE FROM OBSTRUCTION.
8. SURFACE MOUNTED GALVANISED STEEL CONDUIT DROPS ARE NOT ALLOWED IN CORRIDORS AND CIRCULATION AREAS UNLESS AGREED OTHERWISE BY THE DESIGN TEAM. CONDUIT DROPS IN MAINSTREAM CORRIDORS AND CIRCULATION AREAS SHALL GENERALLY BE IN AN ADJACENT ROOM OR RECESSED IN STUD PARTITIONS/DRY LINING OR CHASED INTO MASONRY WALLS IF NECESSARY – LIAISE WITH MAIN CONTRACTOR.
9. SURFACE MOUNTED CONDUIT OR CONTAINMENT DROPS ARE NOT ACCEPTABLE IN THE SEN AREA
10. ALL FIRE ALARM AUDIBLE SOUNDER DEVICES SHOULD HAVE A SIMILAR SOUND AND SHALL BE DISTINCT FROM ANY OTHER AUDIBLE ALARMS.
11. FIRE ALARM DETECTORS TO BE C/W CONDITION INDICATING LIGHT.
12. INTERFACE UNIT POSITIONS SHOWN ARE INDICATIVE ONLY TO INDICATE EQUIPMENT TO BE INTERFACED. GENERALLY INTERFACE UNITS SHALL BE LOCATED IN ELECTRICAL SWITCHROOMS OR IN OTHER AGREED LOCATIONS.
13. DOOR HOLD DEVICES SHALL BE LINKED TO THE FIRE ALARM SYSTEM TO RELEASE AUTOMATICALLY IN THE EVENT OF FIRE.
14. POWER SUPPLIES TO DOOR HOLD DEVICES SHALL BE FROM A DEDICATED CIRCUIT.
15. THE MAIN CONTRACTOR AND M&E CONTRACTORS SHALL LIAISE PRIOR TO COMMENCING WORKS SUCH THAT:
    - MINIMUM CLEAR SPACE OF 500mm IS MAINTAINED AROUND AND BELOW EACH SMOKE DETECTOR.
    - MINIMUM CLEAR SPACE OF 1000mm IS MAINTAINED BETWEEN MECHANICAL VENTILATION TERMINALS AND SMOKE DETECTORS.

GAS SAFETY NOTES:

1. ALL GAS SAFETY SERVICES INDICATED & NOTED ON THIS DRAWING ARE PART OF THE NEW INSTALLATION UNLESS CLEARLY INDICATED OTHERWISE.
2. THE ELECTRICAL CONTRACTOR SHALL ALLOW FOR ALL WIRING FOR THE GAS SAFETY SYSTEMS.
3. ALL ELECTRICAL WIRING TO GAS PANELS AND ASSOCIATED GAS EQUIPMENT SHALL BE AS RECOMMENDED BY THE MANUFACTURER'S SPECIFICATIONS – TO BE WIRED IN A SEPARATE DEDICATED CONDUIT SYSTEM.
4. MECHANICAL AND ELECTRICAL CONTRACTORS SHALL LIAISE AND ARRANGE FOR INTERFACE BETWEEN GAS SAFETY INSTALATIONS AND ELECTRICAL INSTALLATIONS.

FIRE ALARM & DETECTION LEGEND:

FACP	FIRE ALARM CONTROL PANEL
	SMOKE DETECTOR
	SMOKE DETECTOR WITH SOUNDER BASE
	SMOKE DETECTOR WITH SOUNDER BASE & LED STROBE
CV	SMOKE DETECTOR IN CEILING VOID
	REMOTE LED INDICATOR VISIBLE AT CEILING
	MANUAL CALL POINT (RESETTABLE VIA KEY)
	FIRE ALARM SOUNDER/STROBE
	EXTERNAL FIRE ALARM SOUNDER/STROBE - IP65 RATED
FU	FIRE ALARM INTERFACE UNIT
PSU	POWER SUPPLY UNIT FOR DOOR HOLD OPEN DEVICE
	MAGNETIC DOOR HOLD OPEN DEVICE CONTACT WITH MANUAL SWITCH OVER RIDE FACILITY ON EACH DEVICE. DOOR HOLD OPEN DEVICES SHALL BE COMPLETE WITH EXTENSION BRACKETS WHERE THERE IS NO CONVENIENT WALL TO DIRECTLY FIX THE HOLDER TO
EP	EXISTING MANUAL CALL POINT

GAS SAFETY LEGEND:

GSV	GAS EMERGENCY SLAM SHUT VALVE
GDP	GAS DETECTION PANEL
	KEY RELEASE EMERGENCY STOP BUTTON
	GAS DETECTOR
	CARBON MONOXIDE DETECTOR

Revision	Description	Date	Drawn	Checked
T1	Tender Issue	16.10.26	NB	JG

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