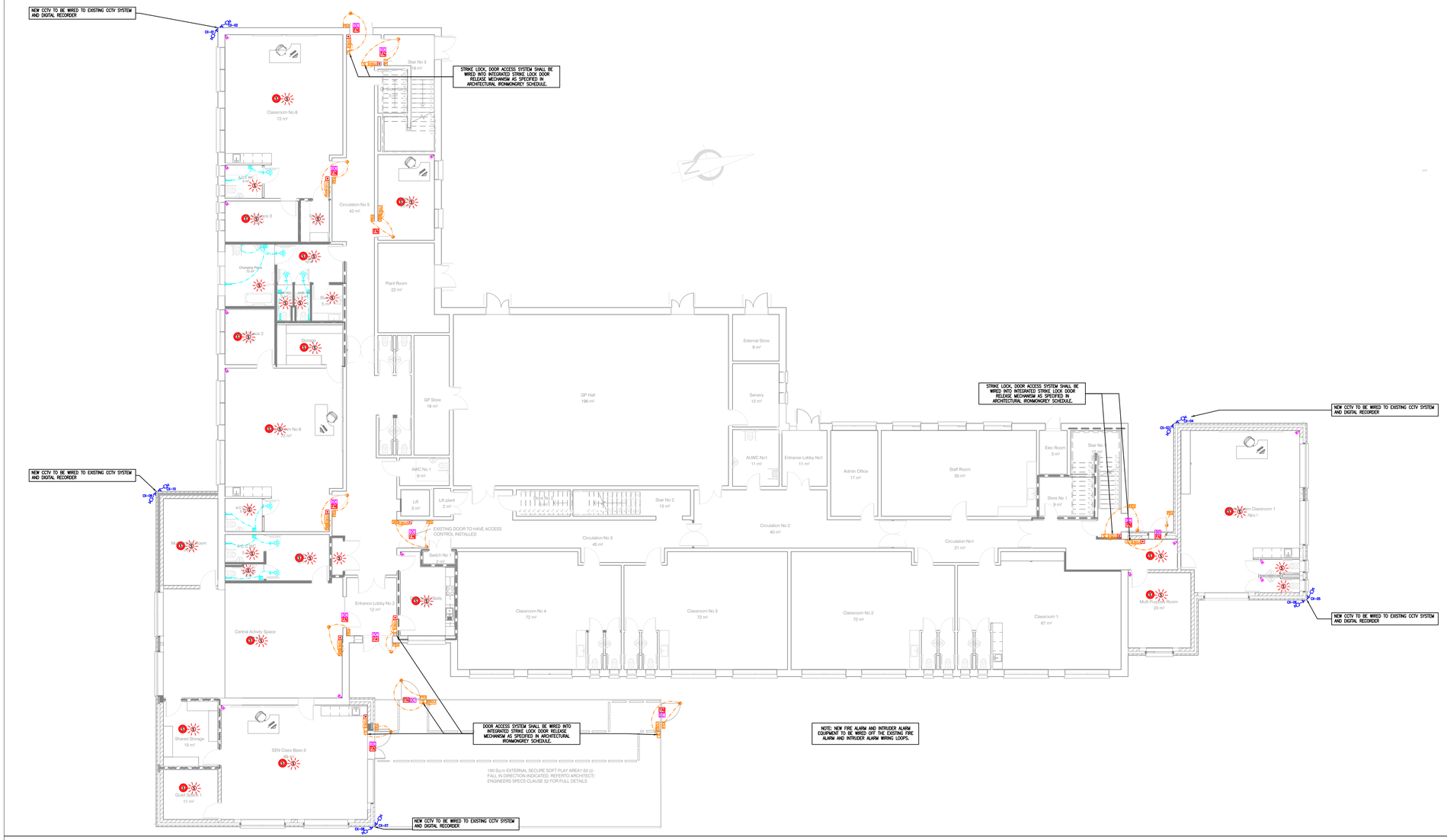
A1



GROUND FLOOR PROTECTIVE SERVICES LAYOUT

GENERAL NOTES:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL MECHANICAL, ELECTRICAL, ARCHITECTURAL AND STRUCTURAL DRAWINGS & SPECIFICATIONS.

2. 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.

3. THE MECHANICAL CONTRACTOR SHALL ALLOW FOR CO-ORDINTATING 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.

4. DO NOT SCALE THIS DRAWING. ALL DIMENSIONS TO BE TAKEN ON SITE.

5. THE CONTRACTOR SHALL ALLOW FOR THE SUPPLY AND INSTALLATION OF ALL ELECTRICAL SERVICES INDICATED ON THIS DRAWING.

6. THE CONTRACTOR SHALL BE RESPONSIBLE TO IDENTIFY SUITABLE FINAL ROUTES FOR CABLE CONTAINMENT, ELECTRICAL SERVICES, ETC. AS INDICATED ON THE DRAWINGS.

7. 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.

8. FINAL LOCATION OF ALL ITEMS OF SOCKETS/IT POINTS/LIGHTING, ETC. SHALL BE AGREED ON SITE WITH THE EMPLOYERS REPRESENTATIVE AND THE CLIENT.

9. 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.

10. THE CONTRACTOR SHALL ALLOW FOR ALL NECESSARY LABOUR, WIRING AND ATTENDANCES IN COMPLETING ALL THE ELECTRICAL WORKS AS INDICATED ON THE DRAWINGS AND SPECIFICATIONS.

11. ALL AREAS: ALL ELECTRICAL SERVICES BELOW CEILING LEVEL FOR THE ELECTRICAL INSTALLATION IN 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.

FIRE ALARM SERVICES NOTES:

12 THE FIRE ALARM SYSTEM SHALL BE DESIGNED, INSTALLED AND COMMISSIONED ACCORDING TO AN L1 SYSTEM IN ACCORDANCE WITH I.S 3218: 2013+A1 2019.

13. FIRE ALARM DETECTION HEADS SHALL BE MAINS WIRED AND SHALL ALSO HAVE A BATTERY BACK-UP. EACH HEAD SHALL ALSO HAVE AN IN-BUILT SOUNDER.

14. FIRE ALARM DETECTION HEADS SHALL INCLUDE A CONDITION INDICATION LIGHT.

15. ALL MANUAL CALL POINTS TO BE PROVIDED WITH CLEAR PLASTIC TAMPER COVERS.

16. ALL MANUAL CALL POINTS SHALL BE OF THE FULLY RESETTABLE TYPE VIA KEY OPERATION. THE USE OF BREAKABLE GLASS IN THE CALL UNITS IS NOT PERMITTED.

17. FINAL LOCATION OF ALL ITEMS OF SHALL BE AGREED ON SITE WITH THE EMPLOYERS REPRESENTATIVE AND THE CLIENT.

18. WHERE SIGNAL/CONTROL CABLES ARE ROUTED TO THEIR RESPECTIVE CONTROL PANEL PROVIDE LOCAL PLASTIC TRUNKING TO ENCLOSE MULTIPLE RUNS OF CABLE.

INTRUDER ALARM & CCTV NOTES:

19. THE ELECTRICAL CONTRACTOR SHALL DESIGN, INSTALL COMMISSION A FULLY MONITORED INTRUDER ALARM SYSTEM WHICH SHALL COMPLY WITH ISEN50131/1.

20. THE CONTRACTOR SHALL ALLOW FOR ALL EXPANSION BOARDS AS REQUIRED.

21. ALL EXTERNAL SOUNDERS TO BE FITTED WITH GALVANIZED STEEL MESH CAGES. ALL TO BE SUPPLIED AND FITTED BY THE CONTRACTOR

22. ALL PIR'S SHALL BE FITTED WITH 'DOUBLE-KNOCK' DUAL ACTIVATION TO COMPLY WITH GARDA REQUIREMENTS.

23. THE ELECTRICAL CONTRACTOR SHALL ALLOW FOR POWER SUPPLY & ELECTRICAL CONNECTION TO ALL SECURITY AND DOOR ACCESS ITEMS IDENTIFIED.

24. THE ELECTRICAL CONTRACTOR SHALL DESIGN, INSTALL AND COMMISSION A FULLY MONITORED CCTV SYSTEM WHICH SHALL COMPLY TO ISEN50131/1 AND IS199.

25. ALL NEW EXTERNAL CCTV CAMERAS TO BE PLACED AT HIGH LEVEL. FINAL LOCATION OF ALL NEW CCTV CAMERAS AND EQUIPMENT TO BE REVIEWED WITH CLIENT PRIOR TO INSTALLATION.

26. INCLUDE FOR POWER SUPPLIES AND ELECTRICAL WIRING TO ALL NEW CCTV EQUIPMENT AS SHOWN ON THE DRAWINGS AND DETAILED IN THE SPECIFICATIONS.

27. THE CONTRACTOR SHALL ALLOW FOR ALL EXPANSION BOARDS AS REQUIRED. THE CONTRACTOR SHALL DESIGN INSTALL AND COMMISSION A FULLY DIGITAL CCTV SYSTEM WHICH SHALL COMPLY TO ISEN50132 AND IS199.

ACCESS SYSTEM NOTES:

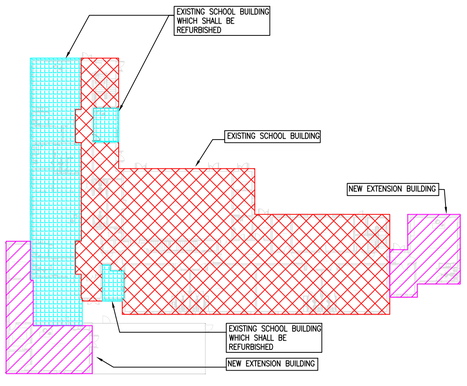
28. THE CONTRACTOR SHALL ALLOW FOR THE COMPLETE INSTALLATION OF ALL DOOR AND GATE ACCESS SYSTEMS. THE DOOR AND GATE ACCESS SYSTEMS AND DOOR ACCESS DEVICES SHALL BE SUPPLIED, WIRED, INSTALLED AND COMMISSIONED BY THE ELECTRICAL CONTRACTOR. REFER TO THE SPECIFICATION FOR FURTHER DETAILS.

EMERGENCY CALL SYSTEMS:

29. THE CONTRACTOR SHALL ALLOW FOR THE SUPPLY AND INSTALLATION OF ALL THE EMERGENCY CALL SYSTEM FOR THE UNIVERSAL TOILET IN THE BUILDING AS INDICATED ON THE DRAWINGS. SEE DRAWINGS AND THE SPECIFICATIONS FOR FURTHER INFORMATION ON ITEMS REQUIRED. ALLOW FOR ALL NECESSARY ATTENDANCES FOR THE SUPPLY AND INSTALLATION OF THE SYSTEMS.

PROTECTIVE SERVICES SYMBOLS

- WPB — WIRELESS HAND HELD PANIC ATTACK BUTTON
- FARP — NEW FIRE ALARM REPEATER PANEL FOR THE NEW EXTENSION.
- S — NEW OPTICAL SMOKE DETECTOR
- S — NEW COMBINED SMOKE DETECTOR AND SOUNDER FOR THE FIRE ALARM SYSTEM.
- NEW MANUAL CALL POINT
- VAD — NEW VISUAL AID DEVICE
- S — NEW SMOKE DETECTOR INSTALLED IN CEILING VOID C/W REMOTE LED INDICATOR TO BE INSTALLED IN THE CEILING
- EFAP — EXISTING FIRE ALARM PANEL FOR THE FIRE ALARM SYSTEM IN THE BUILDING.
- FAI — NEW FIRE ALARM INTERFACE
- EBGU — NEW EMERGENCY BREAK GLASS UNIT FOR DOOR ACCESS SYSTEM
- DRB — NEW ACCESS CONTROL DOOR RELEASE BUTTON
- PRX — NEW COMBINED PROXIMITY FOB READER AND KEYPAD FOR THE DOOR ACCESS SYSTEM
- NEW POWER SUPPLY FOR DOOR ACCESS SYSTEM
- C-* — INTERNAL CCTV CAMERA C/W SPUR OUTLET (* DENOTES NUMBER OF CAMERAS)
- CX-* — EXTERNAL CCTV CAMERA C/W SPUR OUTLET (* DENOTES NUMBER OF CAMERAS)
- DVR — NEW CCTV DIGITAL RECORDER FOR THE CCTV SYSTEM IN THE BUILDING
- MN — NEW FLAT SCREEN CCTV MONITOR FOR THE CCTV SYSTEM
- EDVR — EXISTING CCTV DIGITAL RECORDER FOR THE CCTV SYSTEM IN THE EXISTING BUILDING
- ME — EXISTING FLAT SCREEN CCTV MONITOR FOR THE CCTV SYSTEM
- PULL CORD FOR THE EMERGENCY CALL SYSTEM
- OVER DOOR SOUNDER FOR EMERGENCY CALL SYSTEM
- R — RESET BUTTON FOR EMERGENCY CALL SYSTEM
- IAP — EXISTING MAIN INTRUDER ALARM PANEL FOR THE INTRUDER ALARM SYSTEM.
- N-IAP — NEW INTRUDER ALARM PANEL FOR THE EXTENSION WHICH SHALL BE CONNECTED TO EXISTING INTRUDER ALARM SYSTEM.
- EX — NEW INTRUDER ALARM SOUNDER (EXTERNAL)
- NEW INTRUDER ALARM SOUNDER (INTERNAL)
- DUAL TECH PASSIVE INFRA-RED MOTION DETECTOR
- DC — NEW INTRUDER ALARM DOOR CONTACT



KEYPLAN 1:500

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

REV	DATE	PREPARED BY/PROJECT ENGINEER	QUALITY CHECK BY:
T1	22.07.2026	K. DAVITT	G. BENNDORF

M&E CONSULTANT

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PROTECTIVE SERVICES LAYOUT GROUND FLOOR

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