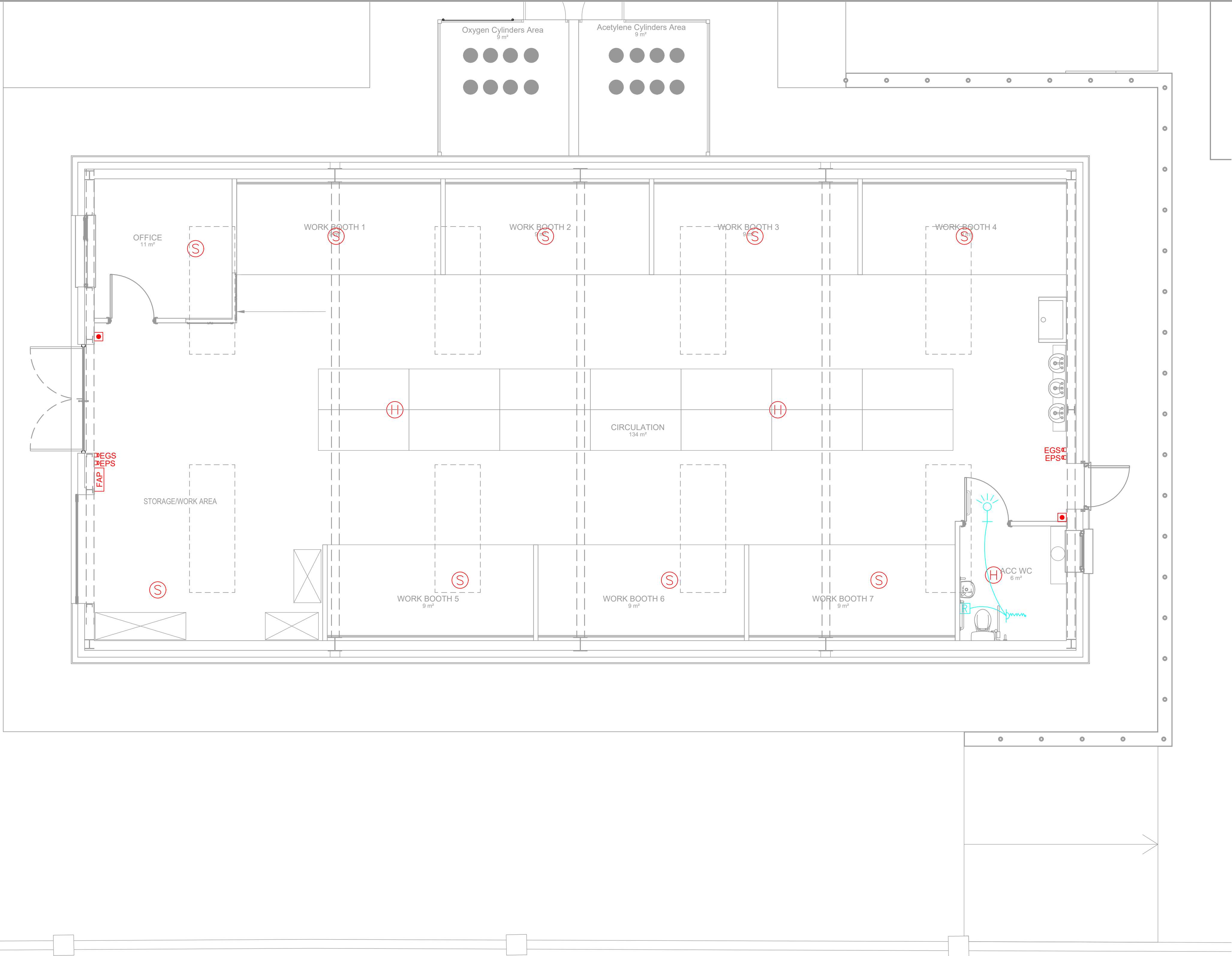




GENERAL NOTES:

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE PARTICULAR SPECIFICATIONS.
- 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.
- EXTRA COSTS INCURRED DUE TO THE CO-ORDINATION EXERCISE NOT BEING COMPLETED WILL NOT BE ACCEPTED BY THE ENGINEER.
- DO NOT SCALE THIS DRAWING. ALL DIMENSIONS TO BE TAKEN ON SITE. ALL DIMENSIONS IN mm, UNLESS STATED OTHERWISE.
- 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.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ELECTRICAL WORKS AND BUILDERS WORKS AS IDENTIFIED ON THE DRAWINGS AND IN THE SPECIFICATIONS.
- REFURBISHMENT WORKS ARE ONLY TO BE CARRIED OUT TO THE EXISTING FIRE ALARM INSTALLATION.
- THE CONTRACTOR SHALL ALLOW FOR CONNECTING THE NEW ELECTRICAL SERVICES TO THE EXISTING SYSTEMS IN THE BUILDING AS INDICATED.
- REFER TO ALL OTHER DRAWINGS FOR SPECIFIC LAYOUT OF REQUIRED SERVICES THROUGHOUT THE BUILDING.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO IDENTIFY SUITABLE FINAL ROUTES FOR ALL CONTAINMENT THROUGHOUT THE BUILDING. NEW MAINS RUN OF ELECTRICAL CONTAINMENT SHALL BE INSTALLED IN THE AREAS AS INDICATED ON THE DRAWINGS BUT THIS IS INDICATIVE ONLY AND IF THE CONTRACTOR FINDS A MORE CONVENIENT ROUTE FOR ELECTRICAL CONTAINMENT IN THE BUILDING ON SITE THEN THAT WILL BE ACCEPTABLE.
- THE MAJORITY OF MAINS RUNS OF NEW ELECTRICAL CONTAINMENT IN THE BUILDING SHALL BE INSTALLED BELOW THE CEILING UNLESS INDICATED ON THE DRAWING.

PROTECTIVE SERVICES NOTES:

- FIRE DETECTION AND ALARM SYSTEM SHALL BE INSTALLED, COMMISSIONED AND CERTIFIED IN ACCORDANCE WITH BS 5839-1, BUILDING REGULATIONS AND FIRE AUTHORITY REQUIREMENTS.
- THE NEW FIRE ALARM CONTROL PANEL SHALL BE NETWORKED TO THE EXISTING FIRE ALARM SYSTEM, PROVIDING FULL FIRE, FAULT AND SUPERVISORY SIGNAL TRANSMISSION.
- ALL EQUIPMENT SHALL BE FULLY COMPATIBLE WITH THE EXISTING FIRE ALARM SYSTEM AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- SMOKE AND HEAT DETECTORS SHALL BE INSTALLED AS INDICATED AND POSITIONED IN ACCORDANCE WITH BS 5839-1.
- DETECTOR LOCATIONS SHOWN ARE INDICATIVE ONLY AND SHALL BE COORDINATED WITH ALL OTHER SERVICES.
- FIRE ALARM CABLING SHALL COMPRISE ENHANCED FIRE-RESISTANT CABLE COMPLYING WITH BS 7629-1, BS EN 50200 (PH120) AND BS 8434-2, INSTALLED IN ACCORDANCE WITH BS 5839-1.
- FIRE ALARM CABLING SHALL BE SUPPORTED USING METALLIC FIRE-RESISTANT FIXINGS THROUGHOUT. PLASTIC CABLE CLIPS OR TIES SHALL NOT BE USED AS THE PRIMARY MEANS OF SUPPORT.
- FIRE ALARM CABLES SHALL BE SEGREGATED FROM LV POWER WIRING AND ALL PENETRATIONS THROUGH FIRE COMPARTMENTS SHALL BE SEALED USING APPROVED FIRE STOPPING SYSTEMS.
- ALL INTERFACES WITH MECHANICAL AND ELECTRICAL SERVICES SHALL BE PROVIDED AS REQUIRED BY THE FIRE STRATEGY AND CAUSE & EFFECT DOCUMENTATION.
- THE CONTRACTOR SHALL VERIFY COMPATIBILITY AND AVAILABLE CAPACITY FOR THE EXISTING FIRE ALARM NETWORK PRIOR TO INSTALLATION.
- THE CONTRACTOR SHALL PROGRAMME, COMMISSION AND FULLY TEST THE COMPLETE NETWORK FIRE ALARM SYSTEM, INCLUDING ALL INTERFACES AND CAUSE & EFFECT FUNCTIONS.
- EXISTING FIRE ALARM PROTECTION SHALL BE MAINTAINED DURING ALL WORKS AND ANY REQUIRED SHUTDOWNS SHALL BE WITH THE CLIENT IN ADVANCE.
- PROVIDE EMERGENCY PUSH STOP BUTTONS ADJACENT TO WORKSHOP EXITS AS INDICATED ON THE DRAWING. OPERATION OF ANY EMERGENCY STOP PUSH BUTTON SHALL ISOLATE ALL DESIGNATED BENCH POWER SUPPLIES TO WORKSHOP EQUIPMENT VIA CONTROLLER-CONTROLLED DISTRIBUTION. EMERGENCY STOP SYSTEMS SHALL BE DESIGNED IN ACCORDANCE WITH BS EN 13850, BS EN 60204-1, THE ELECTRICITY AT WORK REGULATIONS AND PUWER. EMERGENCY STOP CIRCUITS SHALL BE COLOURED RED ON A YELLOW BACKGROUND AND CLEARLY LABELLED "EMERGENCY STOP".
- FIRE ALARM INTERFACES WITH EMERGENCY GAS ISOLATION SYSTEMS SHALL BE PROVIDED WHERE REQUIRED BY THE PROJECT FIRE STRATEGY AND DSEAR RISK ASSESSMENT. THE CONTRACTOR SHALL COORDINATE THE GAS INSTALLATION, FIRE ALARM SYSTEM AND MECHANICAL SERVICES TO ENSURE CORRECT OPERATION OF ALL SAFETY INTERLOCKS AND EMERGENCY CONTROLS. ALL FIRE ALARM DEVICES, INTERFACE UNITS AND CABLES SHALL BE PERMANENTLY LABELED IN ACCORDANCE WITH THE PROJECT IDENTIFICATION SCHEDULE.
- WC EMERGENCY ASSISTANCE ALARM INSTALLATION SHALL COMPLY WITH BS 8300-2, BUILDING REGULATIONS PART M AND BS 7671. PULL CHORD TO EXTEND WITHIN 100mm AFFL AND INCORPORATE TWO RED PULL HANDLES. RESET UNIT SHALL BE LOCATED WITHIN THE WC AND SHALL ONLY BE OPERABLE FROM A STANDING POSITION WITH OVER-DOOR COMBINED AUDIO AND VISUAL ALARM TO INDICATE OPERATION OF THE EMERGENCY ASSISTANCE ALARM.

LEGEND:

- HEAT DETECTOR
- SMOKE DETECTOR
- FIRE ALARM PANEL
- EMERGENCY GAS SHUT-OFF
- EMERGENCY STOP PUSH BUTTON
- BREAK GLASS UNIT
- SOLENOID ISOLATION VALVE
- EMERGENCY CALL SYSTEM PULL CHORD
- EMERGENCY CALL SYSTEM OVER DOOR LIGHT AND SOUNDER
- EMERGENCY CALL SYSTEM RESET BUTTON

A
E001 PROTECTIVE SERVICES
SCALE 1:50

No.: Date: By: Revision:

CALLISTO
Callisto Consulting Engineering Ltd

Block 6, Central Business Park, Clonminch, Tullamore, Co Offaly - Email info@callisto.ie - Tel: 05793 51010

Figured dimensions only to be taken from this drawing. All dimensions to be checked on site. Engineers to be informed immediately of any discrepancies before work commences on site. This drawing and any design herein is copyright of Callisto Consulting Engineering and must not be reproduced in whole or in part without their prior written consent.

Project: BANAGHER PLUMBING WORKSHOP

Address: BANAGHER FET CENTRE, MAIN STREET, BANAGHER, CO. OFFALY

Client: LOETB

Title: PROTECTIVE SERVICES LAYOUTS

Drawing No: 2512-CCE-00-ZZ-DR-E004

Rev No: A

Date: 14/08/2026

Scale: 1:50

Drawn by: NM

Checked: DM

A1