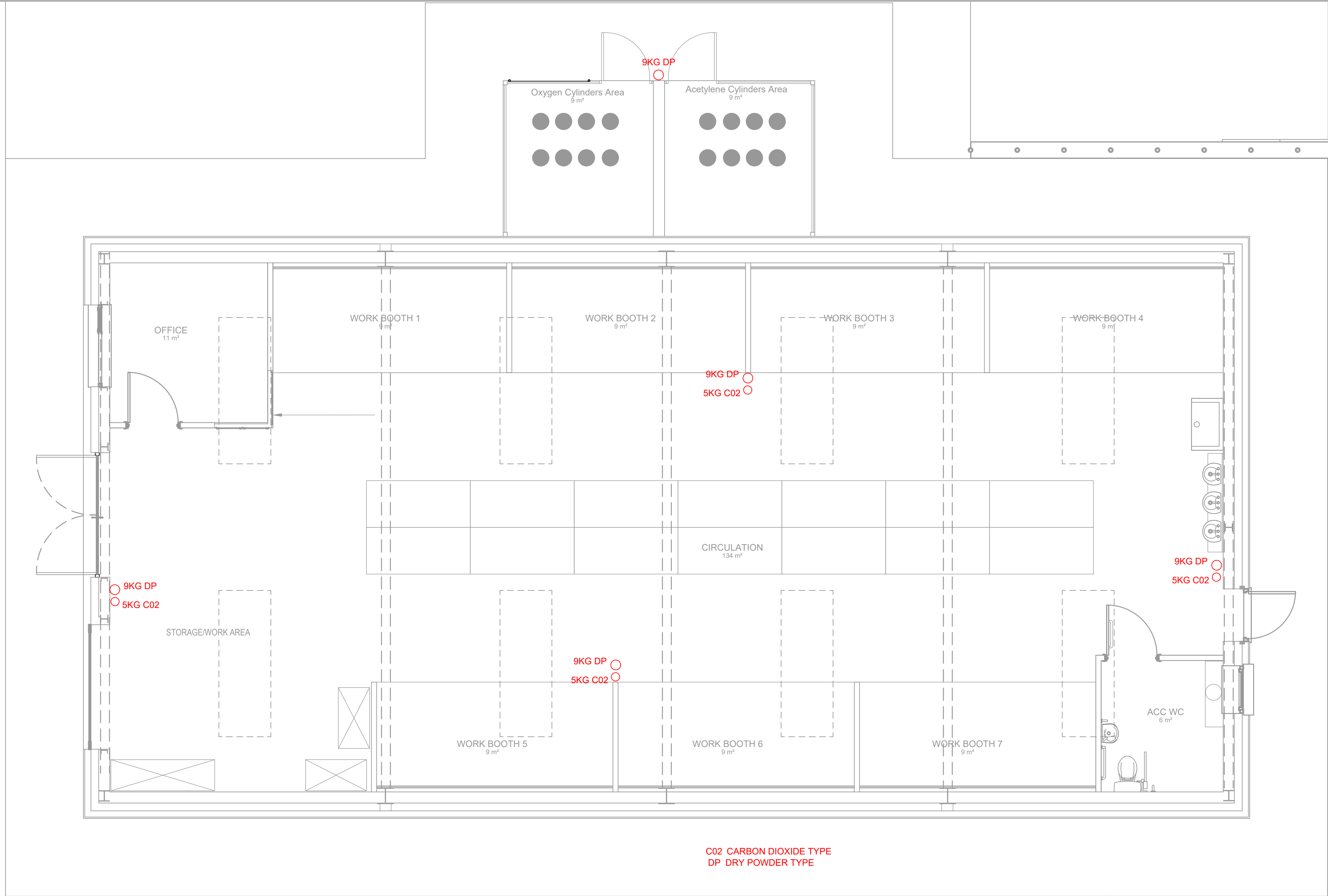




A FIRE EXTINGUISHER LAYOUT
M005 SCALE 1:50

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.

FIRE EXTINGUISHER NOTES:

- STATUTORY COMPLIANCE & LEGISLATION
 - STANDARDS ALIGNMENT: THE SELECTION, INSTALLATION, SIZING, COMMISSIONING, AND MAINTENANCE OF ALL FIRE EXTINGUISHERS SHALL COMPLY FULLY WITH I.S. 291:2015 (IRISH STANDARD FOR PORTABLE FIRE EXTINGUISHERS) AND/OR BS 5306-3 / BS 5306-8 (UK CODES OF PRACTICE FOR FIRE EXTINGUISHING INSTALLATIONS)
- DISTRIBUTION & TRAVEL DISTANCE LIMITS
 - INTERNALLY (WORKSHOP FLOORS): EVERY HOT-WORK APPARATUS, WORKBENCH, AND WELDING BAY SHALL BE POSITIONED WITHIN A MAXIMUM 10-METRE TO 15-METRE ACTUAL TRAVEL DISTANCE FROM A DEDICATED FIRE STATION MULTI-POINT, ACCOUNTING FOR ACCUMULATED EQUIPMENT OBSTRUCTIONS AND SCREEN LAYOUTS.
 - EXTERNALLY (CYLINDER COMPOUND): A DEDICATED FIRE STATION COVERING OUTDOOR STORAGE SHALL BE MOUNTED OUTSIDE THE FENCE LINE, DIRECTLY ADJACENT TO THE ESCAPE-GATE LATCH (APPROX. 5 METRES FROM HAZARD). EQUIPMENT SHALL NEVER BE PLACED IN A WAY THAT REQUIRES AN ESCAPING OPERATOR TO RUN TOWARD THE HAZARD CORE TO RETRIEVE IT.
- HARDWARE SCHEDULE & SIZING
 - FIRE POINTS / STATIONS: FIRE EXTINGUISHERS SHALL BE DEPLOYED IN MULTI-POINT PAIRS (FIRE STATIONS). EACH INTERNAL HANGING FIRE STATION SHALL CONSTITUTE:
 - 1x 9 kg MULTI-PURPOSE ABC DRY POWDER EXTINGUISHER (FOR RECEPTIVE STRUCTURE, GAS SPREAD, AND FLAMMABLE LIQUID SUPPRESSION).
 - 1x 5 kg CARBON DIOXIDE (CO₂) EXTINGUISHER (FOR ELECTRICAL WELDING TRANSFORMERS AND MACHINERY TRIPPING EQUIPMENT SAFETY).
 - OUTDOOR CAGE STORAGE STATIONS: THE DEDICATED OUTDOOR FIRE STATION SHIELDING CYLINDERS SHALL CONSIST OF 1x 9 kg MULTI-PURPOSE ABC DRY POWDER EXTINGUISHER.
- MOUNTING, VISIBILITY & WEATHERPROOFING
 - MOUNTING HEIGHT REGS: EXTINGUISHERS SHALL BE SECURELY FIX-MOUNTED TO STRUCTURAL POSTS, WALLS, OR COLUMNS VIA HEAVY-DUTY STEEL BRACKETS. RELEVANT HEIGHTS ARE REGULATED AS FOLLOWS:
 - HANDLE HEIGHT: THE OPERATING LEVER / HANDLE OF BOTH the 9 kg AND 5 kg EXTINGUISHERS MUST SIT BETWEEN 1.0 METRE AND 1.5 METRES ABOVE FINISHED FLOOR LEVEL (FFL).
 - BASE CLEARANCE: BASE OF THE CYLINDERS MUST LOGICALLY CLEAR FLOORS TO PREVENT MOISTURE RUST CORROSION.
 - OVERHEAD SAFETY SIGNAGE: EACH EXTINGUISHER LOCATION MUST BE CLEARLY INDICATED USING A HIGH-VISIBILITY, PHOTO-LUMINESCENT (GLOW-IN-THE-DARK) RELEVANT FIRE ID LOCATION SIGN MOUNTED BETWEEN 2.0 METRES AND 2.5 METRES ABOVE FFL, ABSOLUTELY VISIBLE FROM ANY POSITION ON THE MAIN FLOOR WAY above welding screens.
 - OUTDOOR PROTECTION: EXTINGUISHERS POSITIONED OUTDOORS ADJACENT TO THE SECURE FENCING GATE COMPARTMENT MUST BE INSTALLED INSIDE A HIGH-VISIBILITY, WALL-MOUNTED, WEATHERPROOF, AND CORROSION-RESISTANT RED POLYURETHANE IP-RATED FIRE EXTINGUISHER CABINET. CABINETS SHALL NOT BE KEY-LOCKED TO ENSURE IMMEDIATE EMERGENCY ACCESS.

No.: Date: By: Revision:

CALLISTO
Callisto Consulting Engineering Ltd

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

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Project: BANAGHER PLUMBING WORKSHOP

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

Client: LOETB

Title: FIRE EXTINGUISHER LAYOUT

Drawing No: 2512-CCE-00-ZZ-DR-M005

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Scale: 1:50

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