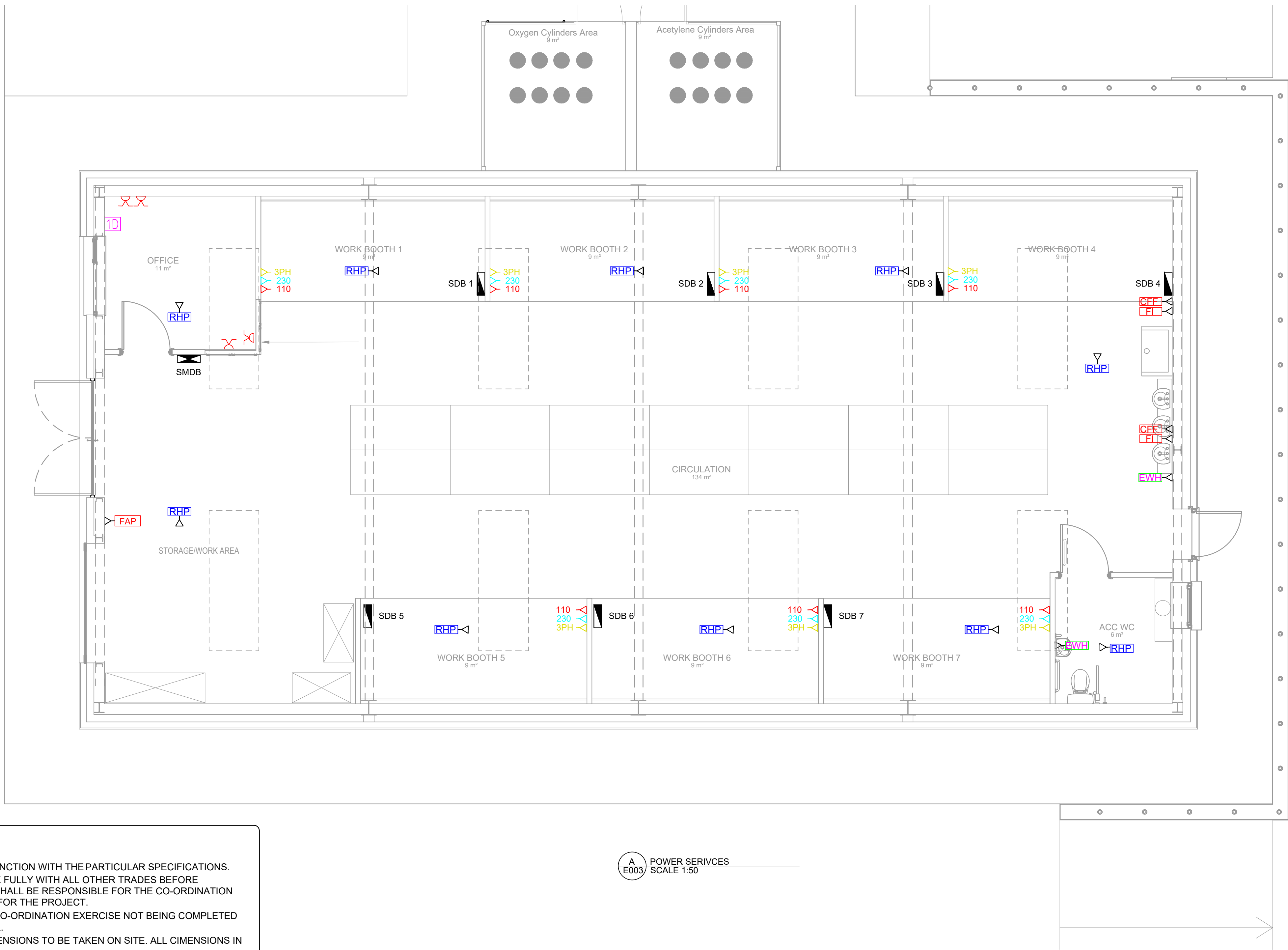




GENERAL NOTES:

- 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 CIMENSIONS IN mm. UNLESS OTHERWISE STATED.
 - EXACT LOCATIONS OF ALL SERVICES TO BE AGREED ON SITE. FINAL LOCATIONS OF ALL SERVICES TO BE CO-ORDINATED ON SITE.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ELECTRICAL WORKS AND BUILDERS WORKS AS IDENTIFIED ON THE DRAWINGS AND IN THE SPECIFICATIONS.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL HARDWIRING AND CONNECTING ALL NEW POWER AND SUB-CIRCUITS AND SERVICES TO THE EXISTING MAIN DISTRIBUTION BOARD LOCATED IN THE EXISTING BUILDING VIA A DEDICATED, FIT-FOR-PUROPSE UNDERGROUND TRENCH ROUTE.
 - THE CONTRACTOR SHALL ALLOW FOR CONNECTING THE NEW ELECTRICAL SERVICES TO THE EXISTING SYSTEMS IN THE BUILDINGS 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 IN 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 THE MAINS RUNS OF NEW ELECTRICAL CONTAINMENT IN THE BUILDING SHALL BE INSTALLED ABOVE THE CEILING UNLESS INDICATED ON THE DRAWING.
- POWER & GENERAL SERVICES:**
- FINAL LOCATION OF ALL ITEMS OF PLANT/EQUIPMENT/SOCKETS.IT POINTS ETC. SHALL BE AGREED ON SITE WITH THE EMPLOYERS REPRESENTATIVE AND THE CLIENT.
 - ALLOW FOR POWER SUPPLY & ELECTRICAL CONNECTION TO ALL MECHANICAL ITEMS.
 - THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY INFORMATION TO ALLOW THE MAIN CONTRACTOR TO CO-ORDINATE ALL SERVICES.
 - WHERE SIGNAL/CONTROL CABLES ARE ROUTED TO THEIR RESPECTIVE CONTROL PANEL PROVIDE GALVANISED STEEL TRUNKING TO ENCLOSE MULTIPLE RUNS OF CABLE.
 - MECHANICAL AND ELECTRICAL CONTRACTORS SHALL LAISE AND ARRANGE FOR INTERFACE BETWEEN GAS SAFETY INSTALLATIONS AND ELECTRICAL INSTALLATIONS.
 - ALL ELECTRICAL CONDUIT SHALL BE BELOW CEILING..
 - ALL NEW IT & TELEPHONE POINTS AS INDICATED SHALL BE CAT-6A. POINTS IN THE NEW BUILDING.
 - ALL SERVICES THROUGH FIRE BARRIERS SHALL BE SLEEVED EACH SIDE OF THE BARRIER. THE MAIN CONTRACTOR SHALL ALLOW FOR FIRE PROOFING THE OPENINGS AFTER SERVICES ARE INSTALLED.

POWER SERVICES
SCALE 1:50

ELECTRICAL NOTES:

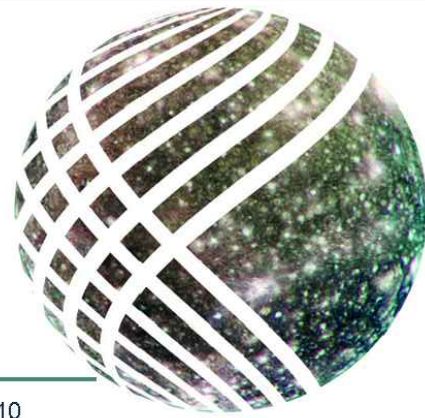
- SEE ELECTRICAL SCHEMATIC FOR ANY SPECIFIC DETAILS ON THE ELECTRICAL BOARD IN THE BUILDING.
- ANY SINGLE PHASE CIRCUIT FED DIRECTLY FROM A THREE PHASE DISTRIBUTION BOARD SHALL HAVE THE APPROPRIATE PHASE COLOUR EXTENDED INTO THE SINGLE PHASE CIRCUITS FED FROM THAT PHASE.
- REFER TO TABLE FOR COLOUR CODE FOR CABLE CORES AND INSTALLED CONDUCTORS OF AMENDMENT I.S 10101:2020 OF THE NATIONAL RULES FOR ELECTRICAL INSTALLATIONS.
- SURGE PROTECTION TO BE INSTALLED ON ALL ELECTRICAL BOARDS AS INDICATED. SEE SPECIFICATIONS FOR FURTHER DETAILS.
- SUB-ELECTRICAL BOARDS SHALL BE 'FORM 3A'.
- MAIN INCOMING ABC SHALL HAVE A RATED PROSPECTIVE SHORT CIRCUIT CURRENT OF NOT LESS THAN 40 kA AT A POWER FACTOR OF 0.2, AND SHALL BE TESTED IN P2 CATEGORY ICE157-1.
- BUSBARS SHALL BE HDHC COPPER OF UNIFORM CROSS SECTION AND SHALL COMPLY FULLY WITH BS 150. THE BUSBAR SYSTEM SHALL BE TESTED IN ACCORDANCE WITH IEC 439 AND BE CAPABLE OF CARRYING THE CONTINUOUS LOAD CURRENT AS SPECIFIED.
- BUSBARS CONNECTIONS UP TO 63 AMP MAY BE EFFECTED BY MEANS OF CABLE. BRACED AND SUPPORTED AS NECESSARY, WHEREAS CONNECTIONS ABOVE 63 AMP SHALL BE MADE MADE BY MEANS OF HDHC RECTANGULAR SECTION COPPER BUSBAR, INSULATED AND SUPPORTED AS NECESSARY.
- INSTALLATION RADI ON MEDIUM VOLTAGE CABLING SHALL BE AS LARGE AS POSSIBLE AND SHALL IN NO INSTANCE BE LESS THAN 18 TIMES THE OVERALL CABLE DIAMETER.
- THE ENGINEERS APPROVAL / COMMENT / VERIFICATION OF WORKING OR MANUFACTURING DRAWINGS SUBMITTED BY THE CONTRACTOR SHALL NOT IN ANY WAY RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY IN RESPECT OF THE ACCURACY OF ALL SUCH DRAWINGS NOR FROM THEIR RESPONSIBILITY FOR PROVIDING EQUIPMENT SUITABLE IN DIMENSIONS, CONSTRUCTION AND FINISH.
- ALL SWITCHGEAR SHALL BE LABELED WITH SCREW FIXED IVORINE LABELS INDICATING SUPPLY DESTINATION.
- CIRCUIT BREAKER FOR POWER SUPPLY TO FIRE ALARM TO BE INSTALLED, IN LOCKABLE ENCLOSURE WITH RED LABEL ENGRAVED INSTALLED, IN LOCKABLE ENCLOSURE WITH RED LABEL ENGRAVED 'FIRE ALARM SYSTEM - DO NOT SWITCH OFF'
- ALL EARTH CABLES SHALL BE GREEN/YELLOW COLOUR CODED AND LSF SHEATHED.
- THE SWITCH GEAR SUPPLY SHALL GUARANTEE AND DEMONSTRATE THAT FULL DISCRIMINATION IS ACHIEVED THROUGHOUT THE SWITCHGEAR SYSTEM.

LEGEND:

- TWIN SWITCH SOCKET
- DATA POINT
- RADIANT HEAT PANEL FUSED SPUR(HIGH LEVEL)
- SUB-MAINS DISTRIBUTION BOARD
- SUB DISTRIBUTION BOARD (X NOTATES NUMBER)
- 230 V SOCKET
- 110 V SOCKET
- 3-PHASE SOCKET
- FIRE ALARM PANEL FUSED SPUR
- ELECTRIC WATER HEATER FUSED SPUR
- CENTRIFUGAL FAN FUSED SPUR
- FAN INVERTER FUSED SPUR

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

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 hereon 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: POWER SERVICES LAYOUTS

Drawing No: 2512-CCE-00-ZZ-DR-E003

Rev No: B

Date: 28/09/2026

Scale: 1:50

Drawn by: NM

Checked: DM

A1

