

FIRE ALARM SYSTEM LEGEND

FDCIE	EXISTING LONGREACH TAVERN FIRE DETECTION CIE TO BE UPGRADED TO ACCOMMODATE THE ADJACENT BRANCH SITE. THIS INCLUDES THE ZONE PLAN.
EWICIE	EMERGENCY WARNING CIE TO BE UPGRADED TO ACCOMMODATE THE ADJACENT BRANCH SITE.
FIP	EXISTING LONGREACH TAVERN FIRE INDICATOR PANEL INCORPORATING THE FDCIE AND EWICIE TO BE UPGRADED TO ACCOMMODATE THE ADJACENT BRANCH SITE.
S	AS16701.2024 SURFACE MOUNTED WHITE SMOKE DETECTOR TO MATCH THE EXISTING TYPE USED IN THE LONGREACH TAVERN.
S	AS16701.2024 CONCEALED SMOKE DETECTOR TO MATCH THE EXISTING TYPE USED IN THE LONGREACH TAVERN.
T	AS16701.2024 SURFACE MOUNTED WHITE THERMAL DETECTOR TO MATCH THE EXISTING TYPE USED IN THE LONGREACH TAVERN.
B T	AS16701.2024 SURFACE MOUNTED SEALED TYPE B WHITE THERMAL DETECTOR TO MATCH THE EXISTING TYPE USED IN THE LONGREACH TAVERN.
D T	AS16701.2024 SURFACE MOUNTED TYPE D WHITE THERMAL DETECTOR TO MATCH THE EXISTING TYPE USED IN THE LONGREACH TAVERN.
A	AS16701.2024 AIR DUCT MOUNTED TYPE E THERMAL DETECTOR TO MATCH THE EXISTING TYPE USED IN THE LONGREACH TAVERN.
W	EVACUATION RECESSED CONE SPEAKER C.E WHITE GRILL TO MATCH THE EXISTING TYPE USED IN THE LONGREACH TAVERN.
H	EVACUATION HORN SPEAKER TO MATCH THE EXISTING TYPE USED IN THE LONGREACH TAVERN.
FSS1	EXISTING LONGREACH TAVERN FIRE SUPPRESSION SYSTEM INTERFACE TO REMAIN AS IS.
GV1	EXISTING LONGREACH TAVERN GAS VALVE ASSEMBLY TO REMAIN AS IS.
OSG 1000V PLUS 1	EXISTING LONGREACH TAVERN KITCHEN EXHAUST HOOD CONTROL SYSTEM TO REMAIN AS IS.
C1	NEW BRANCH 32 AMP 3 PHASE AC3 CONTACTOR TO BE LOCATED IN THE COOKING EQUIPMENT ISOLATION ENCLOSURE TO CONTROL THE EXISTING BRANCH COMBI OVEN POWER SUPPLY AND THE BRANCH KITCHEN EXHAUST HOOD CANOPY EXHAUST FAN. THE POWER IS TO BE ISOLATED UPON AN ALARM FROM THE FIP OR OPERATION OF THE FIRE SUPPRESSION SYSTEM FSS2.
R1	NEW BRANCH CONTROL RELAY 1 TO BE LOCATED IN THE COOKING EQUIPMENT ISOLATION ENCLOSURE TO INTERFACE THE CONTROLLER TO THE ELECTRIC COOKING EQUIPMENT CONTACTOR C1.
R2	NEW BRANCH CONTROL RELAY 2 TO BE LOCATED IN THE GAS SHUTDOWN IO ENCLOSURE TO INTERFACE THE FIP ALARM OUTPUT TO THE BRANCH CONTROLLER.
R3	NEW BRANCH CONTROL RELAY 3 TO BE LOCATED IN THE GAS SHUTDOWN IO ENCLOSURE TO INTERFACE THE FIP ALARM INPUT FROM THE FIRE SUPPRESSION SYSTEM FSS2.
APS2	NEW BRANCH AIR PRESSURE SWITCH. ALL CONTROLS OSG APS AIR PRESSURE DIFFERENTIAL SWITCH MOUNTED WITHIN THE KITCHEN EXHAUST HOOD EXHAUST DUCT.
OSG 1000V PLUS 2	NEW BRANCH KITCHEN EXHAUST HOOD CONTROLLER. ALL CONTROLS OSG MERLIN 1000V PLUS WALL MOUNTED GAS AND ELECTRIC ISOLATION CONTROLLER C/W VENTILATION INTERLOCKING AND GAS PROVING.
FSS2	NEW BRANCH FIRE SUPPRESSION SYSTEM. CONNECT THE MECHANICAL CONTACTS IN THE FIRE SUPPRESSION SYSTEM TO THE FIP AND THE CONTROLLER SUCH THAT THE OPERATION OF THE FIRE SUPPRESSION SYSTEM FSS1 GENERATES AN ALARM IN THE FIP AND ISOLATES THE GAS SUPPLY.
GV2	NEW BRANCH EXTERNAL IP RATED GAS VALVE ASSEMBLY. GAS VALVE ASSEMBLY ALL CONTROLS OSG GVTJ500MM GAS VALVE TRANSDUCER JUNCTION BOX TO BE MOUNTED IN LINE WITH THE GAS SUPPLY TO THE ASSOCIATED HOODS COOKING EQUIPMENT. THE SYSTEM IS TO BE PROVIDED AS A PRE-ASSEMBLED UNIT INCLUDING: - OSG GSV50-240 50MM 230 VAC GAS SOLENOID VALVE C/W TEST POINTS. - TWO 50MM F/F ISOLATING BALL VALVES. - TWO 50MM M/F GAS UNIONS. - TWO 50MM NIPPLES. - IP54 JUNCTION BOX. - 1000MM LONG ELECTRICAL CONNECTION C/W 6 PIN CONNECTOR BETWEEN THE JUNCTION BOX AND THE SOLENOID VALVE / PRESSURE TRANSDUCER. MOUNT THE JUNCTION BOX ADJACENT THE SOLENOID WITH THE CABLE LENGTH SHORTENED WHERE PRACTICAL. PROVIDE THE GAS VALVE ASSEMBLY TO THE GAS SUB-CONTRACTOR TO INSTALL.

FIRE ALARM SYSTEM NOTES

1. EXTENT OF WORKS

THE FIRE ALARM SERVICES INCLUDES BUT IS NOT LIMITED TO THE FOLLOWING:
 - SUPPLY AND INSTALLATION OF ALL COMPONENTS FORMING PART OF THE FIRE ALARM SERVICES.
 - CO-ORDINATION.
 - INSPECTIONS.
 - TESTING AND COMMISSIONING.
 - MAINTENANCE.
 - CABLING, CABLE SUPPORT SYSTEMS AND ACCESS.
 - EXPANDING THE EXISTING BRIGADE MONITORED LONGREACH TAVERN AS1670.1 ADDRESSABLE FIRE ALARM SYSTEM INTO THE ADJACENT BRANCH SITE.
 - ALL MINOR COMPONENTS AND INCIDENTAL WORKS NOT SPECIFICALLY REFERRED TO, HOWEVER NECESSARY TO COMPLETE THE FIRE ALARM SERVICES INSTALLATION SUCH THAT IT IS HANDED OVER COMPLETE, OPERATIONAL AND FIT FOR THE INTENDED USE.

PRIOR TO COMMENCING WORK CONSULT SITE MANAGEMENT FOR ANY HAZARDOUS MATERIAL AND OR ASBESTOS REGISTERS AS WELL AS UNDERTAKE A THOROUGH INSPECTION OF THE SITE TO IDENTIFY ANY POTENTIAL HAZARDOUS MATERIALS, ASBESTOS AND HEALTH OR SAFETY RISKS. ADVISE THE CONTRACTOR OF ANY POTENTIAL HAZARDOUS MATERIALS, ASBESTOS AND HEALTH OR SAFETY RISKS IF IDENTIFIED AND DO NOT COMMENCE WORK UNTIL AN APPROPRIATE MANAGEMENT PLAN HAS BEEN DEVELOPED AND AGREED TO BY ALL PARTIES.

SUPPLY ALL LABOUR, MATERIALS, EQUIPMENT, AND ALL OTHER ITEMS, WHETHER MENTIONED IN DETAIL OR NOT, REQUIRED FOR THE SATISFACTORY COMPLETION OF THE ELECTRICAL SERVICES INSTALLATION, LEAVING IN FULL WORKING ORDER TO THE SATISFACTION OF THE PROJECT MANAGER.

ACCEPT FULL RESPONSIBILITY FOR LIASING, ARRANGING AND CO-ORDINATION ALL WORKS THAT HAVE AN EFFECT ON OR WILL BE AFFECTED BY THE FIRE ALARM.

REMOVE ALL OF THE EXISTING SMOKE ALARMS WITHIN THE BRANCH SITE.

PRIOR TO PRACTICAL COMPLETION CERTIFY THE INSTALLATION ON A FORM 16 AS COMPLYING WITH THE RELEVANT CODES AND STANDARDS AND INCLUDE A COPY OF THE CERTIFICATION IN THE MANUAL.

PROVIDE THE AS CONSTRUCTED AND COMMISSIONING INFORMATION TO ALLOW THE AS1670.1 DESIGNERS STATEMENT TO BE COMPLETED.

THE BRANCH SERVICES ARE TO BE ON DEDICATED LOOPS / ZONES FROM THE LONGREACH TAVERN SERVICES

2. WORKMANSHIP

IRRESPECTIVE OF THE SERVICES DETAILED ON THE DRAWING, THE SYSTEM MUST BE COMPLIANT WITH AS1670.1:2024 AND THE REQUIREMENTS OF THE QUEENSLAND FIRE AND EMERGENCY SERVICES.

THE CONTRACTOR IS RESPONSIBLE FOR PAYING ANY CALL OUT FEES ISSUED BY QFES THAT ARE THE RESULT OF DEFECTIVE WORKS, CABLING, OR SYSTEM COMPONENTS

ENSURE ALL AS1670.1:2024 WORKS ARE UNDERTAKEN BY, OR UNDER THE DIRECTION OF A SUITABLY QUALIFIED AND EXPERIENCED FIRE ALARM SYSTEM INSTALLER WHO HOLD THE REQUIRED QBCC AND FIRE PROTECTION CONTRACTORS REGISTRATION BOARD OF QUEENSLAND INC REGISTRATIONS. ENSURE ALL 240-VOLT WORKS ARE UNDERTAKEN BY AN ELECTRICIAN WITH AN ELECTRICAL SUB CONTRACTOR'S LICENCE. ENSURE THE INSTALLATION AND ALL COMPONENTS, FIXTURES, FITTINGS, OUTLETS AND CABLES ARE SUPPLIED AND INSTALLED TO A HIGH STANDARD THROUGHOUT, AND INSTALLED IN A NEAT AND TRADESMAN LIKE MANNER, TO THE CURRENT INDUSTRY STANDARDS. ENSURE ALL MATERIALS AND COMPONENTS OF A SIMILAR TYPE ARE OF THE SAME MANUFACTURER AND INSTALLED IN A UNIFORM MANNER.

IT IS THE FIRE ALARM CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE FIRE ALARM INSTALLATION IS FIT FOR PURPOSE AND IS PROVIDED AS A COMPLETE WORKING INSTALLATION. IT IS THE FIRE ALARM CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL COMPONENTS, FITTINGS, FIXTURES, SYSTEMS, PROGRAMMING ETC IRRESPECTIVE OF THE LEVEL DETAILED IN THE DOCUMENTS SUCH THAT THE INSTALLATION IS PROVIDED AS A COMPLETE WORKING INSTALLATION.

CONCEAL ALL WIRING AND CONDUITS. EXPOSED CABLING OR CONDUITS ARE GENERALLY NOT ACCEPTABLE. IT IS NOTED THAT CHASING AND REINSTATEMENT WILL BE REQUIRED. ENSURE ALL COMPONENTS, EQUIPMENT AND MATERIALS SUPPLIED ARE NEW, UNUSED, DESIGNED AND SELECTED TO ENSURE SATISFACTORY OPERATION UNDER VARYING ATMOSPHERIC, CLIMATIC, HUMID TROPICAL CONDITIONS WITHOUT DISTORTION AND DETERIORATION IN ANY PART AFFECTING EFFICIENCY AND RELIABILITY OF THE SYSTEMS. DESIGN AND SELECT ALL EQUIPMENT TO PROVIDE THE NECESSARY SAFETY TO HUMAN LIFE AND PROPERTY DURING OPERATION AND MAINTENANCE WITH PARTICULAR ATTENTION GIVEN TO ELECTRICAL SAFETY AND SEGREGATION PRECAUTIONS.

CHECK THE FINISHED PAINTWORK AROUND THE AREA OF EACH INSTALLATION AND TOUCH UP ALL DAMAGED PARTS AND FINISHES AFTER THE INSTALLATION OF THE FIRE ALARM SERVICES.

ALL WORKS ARE TO BE CARRIED OUT IN ACCORDANCE WITH THE BUILDER'S PROGRAM. ENSURE ALL FINAL LOCATIONS OF OUTLETS AND FITTINGS ARE CO-ORDINATED ON SITE WITH THE ARCHITECT AND ALL OTHER SERVICES, TO THE APPROVAL OF THE PROJECT MANAGER. ALLOW TO CO-ORDINATE THE FINAL LOCATION OF ALL EQUIPMENT, FITTINGS, & OUTLETS, SUCH THAT THEY ARE INSTALLED IN ACCORDANCE WITH THE AS1670.1, AS3000 RESTRICTED ZONES, AND ARE NOT COVERED INAPPROPRIATELY.

ENSURE THAT ALL METAL SURFACES ARE SUITABLY PROTECTED AGAINST CORROSION, AND THAT ALL PLASTIC MATERIALS ARE UV STABILISED.

PROVIDE ALL MATERIALS AS NEW, AND OF THE HIGHEST CLASS AVAILABLE FOR THEIR RESPECTIVE TYPES. ENSURE ALL ASPECTS OF THE WORK ARE OF A HIGH STANDARD THROUGHOUT, AND INSTALLED IN A NEAT AND TRADESMAN LIKE MANNER, TO THE CURRENT INDUSTRY STANDARDS.

3. STANDARDS

IRRESPECTIVE OF INFORMATION CONTAINED IN THE ELECTRICAL SERVICES DOCUMENTS OR IN INSTRUCTIONS, IT IS THE ELECTRICAL SUB CONTRACTOR'S RESPONSIBILITY TO ENSURE ALL ELECTRICAL SERVICES WORKS ARE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE FOLLOWING. REFER ANY DISCREPANCIES BETWEEN THE REQUIREMENTS OF THE FOLLOWING AND/OR THE ELECTRICAL SERVICES DOCUMENTS AND INSTRUCTIONS TO THE ARCHITECT FOR CLARIFICATION PRIOR TO THE PLACING OF ORDERS, FABRICATION OR INSTALLATION OF THE ITEMS/METHODS IN DISCREPANCY.
 - NCC BUILDING CODE OF AUSTRALIA.
 - ELECTRICITY ACT.
 - ELECTRICAL SAFETY ACT.
 - AS/NZS3000.
 - AS3008.
 - AS1670.1 2024.
 - WORKPLACE HEALTH AND SAFETY ACT.
 - TELECOMMUNICATIONS ACT.
 - ACMA REQUIREMENTS.

4. AUTHORITIES

ENSURE ALL OF THE ELECTRICAL SERVICES COMPLY WITH THE REQUIREMENTS OF ALL REGULATORY AUTHORITIES HAVING JURISDICTION OVER THE SITE INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
 - ACMA.
 - LOCAL COUNCIL.
 - LOCAL SUPPLY AUTHORITY.
 - STATE GOVERNMENT DEPARTMENT OF ENVIRONMENT AND HERITAGE.
 - QLD GOVERNMENT, DIVISION OF WORKPLACE, HEALTH AND SAFETY.
 - QLD FIRE AND RESCUE AUTHORITY.

FIRE ALARM SYSTEM NOTES

5. AV SHUTDOWN

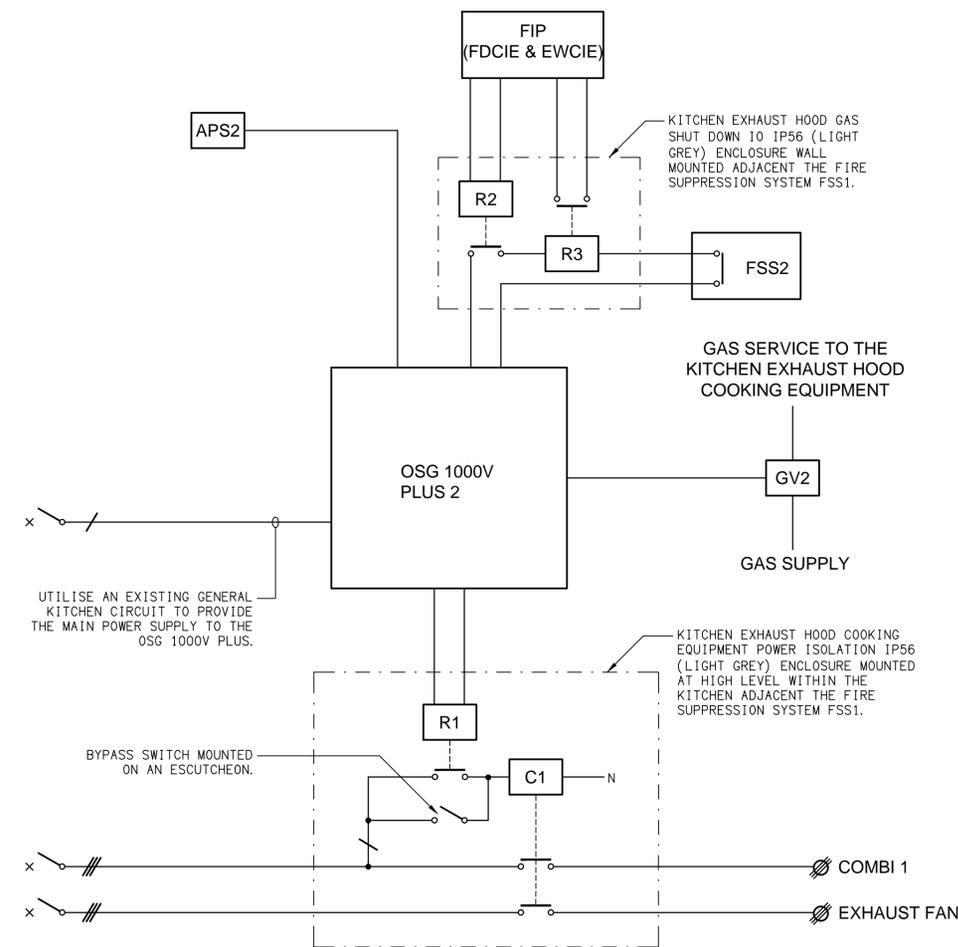
PROVIDE A FAIL-SAFE OUTPUT FROM THE EXISTING LONGREACH TAVERN FDCIE TO THE BRANCH AV EQUIPMENT (TO BE LOCATED ON SITE) ISOLATE THE AMPLIFIED AUDIO SERVICES VIA AN UNDERVOLTAGE TRIP UPON ALARM. THE AV EQUIPMENT UNDERVOLTAGE TRIP UNIT (AV IS TO BE CONFIGURED SUCH THAT IT MUST BE MANUALLY RESET FOLLOWING TRIPPING / UNDERVOLTAGE. THE INTERFACE IS TO BE AT A CONTROL LEVEL SUCH THAT RESETTING THE INTERFACE DOES NOT EXPOSE THE AV EQUIPMENT TO A FULL LOAD SURGE. CONFIRM THE TYPE OF AND NUMBER OF INTERFACES NECESSARY ON SITE.

PROVIDE THE INTERFACE RESET WITH A SCREW FIXED ENGRAVED LABEL WITH 5MM HIGH BLACK CAPITAL TEXT 'FIRE ALARM INTERFACE RESET'. LOCATE THE INTERFACE RESET IN A BACK OF HOUSE POSITION THAT IS OBVIOUS AND READILY ACCESSIBLE WITHOUT THE NEED TO REMOVE ANY OTHER ITEMS TO FACILITATE ACCESS.

6. KITCHEN EXHAUST FIRE SUPPRESSION SYSTEM

PROVIDE BRANCH KITCHEN EXHAUST HOOD CONTROL SYSTEM THAT:

- CONTROL THE BRANCH GAS SUPPLY TO THE BRANCH COOKING EQUIPMENT IN ACCORDANCE WITH AS5601 INCLUDING ISOLATING THE GAS SUPPLY WHEN THE BRANCH KITCHEN EXHAUST FAN IS NOT RUNNING.
- CONTROL THE OPERATION OF THE BRANCH KITCHEN EXHAUST FAN INCLUDING SHUTTING DOWN THE FAN WHEN THE ASSOCIATED EXHAUST DUCT DETECTOR GOES INTO ALARM.
- ISOLATES THE BRANCH GAS SUPPLY UPON OPERATION OF THE BRANCH FIRE SUPPRESSION SYSTEM.
- PROVIDES AN ALARM SIGNAL TO THE LONGREACH TAVERN FIP UPON OPERATION OF THE BRANCH FIRE SUPPRESSION SYSTEM.
- ISOLATES THE ELECTRICITY TO THE BRANCH ELECTRIC COOKING EQUIPMENT LOCATED UNDER THE BRANCH EXHAUST HOOD UPON OPERATION OF THE BRANCH FIRE SUPPRESSION SYSTEM.



SCHEMATIC
EXHAUST HOOD CONTROL
NOT TO SCALE

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