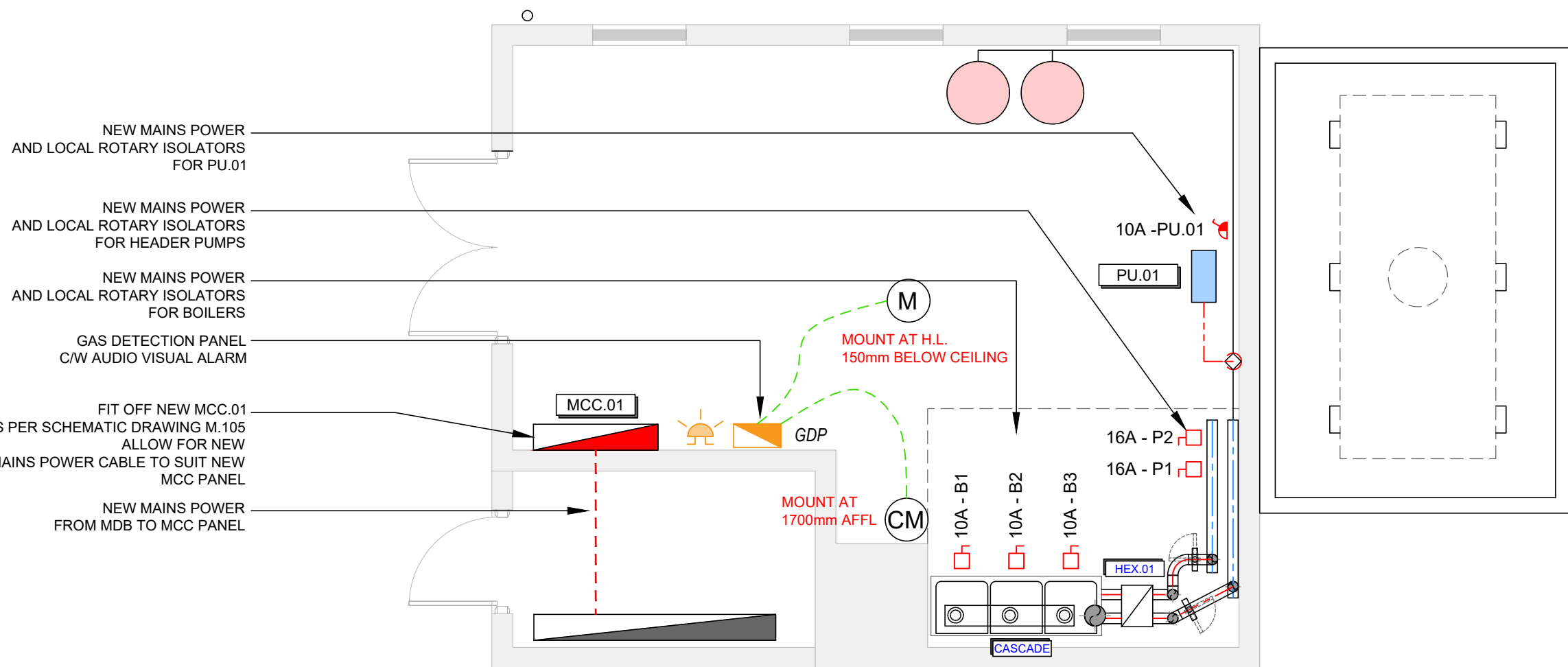


GENERAL NOTES

- ALL WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH THE ENERJ SPECIFICATION TOGETHER WITH THE REQUIREMENTS AND BUILDING REGULATIONS OF ALL STATUTORY AUTHORITIES, STANDARDS AND CODES RELEVANT TO THE WORKS.
- THE ELECTRICAL CONTRACTOR SHALL CO-ORDINATE ALL SERVICES FULLY WITH ALL TRADES BEFORE COMMENCING WORK.
- DO NOT SCALE THIS DRAWING. ALL DIMENSIONS SHALL BE TAKEN ON SITE.
- THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY INFORMATION TO ALLOW PROPER CO-ORDINATION OF ALL SERVICES.
- EXTRA COSTS INCURRED DUE TO THE CO-ORDINATION EXERCISE NOT BEING COMPLETED WILL NOT BE ACCEPTED BY THE ENGINEER.
- EXACT LOCATION OF ALL SERVICES SHALL BE AGREED WITH THE EMPLOYERS REPRESENTATIVE PRIOR TO COMMENCEMENT ON SITE.
- ALL SERVICES AS SHOWN ON THIS DRAWING SHALL BE INCLUDED IN THE FINAL TENDER PRICE.
- SAMPLE OF ALL EQUIPMENT SHALL BE APPROVED BY CLIENT, ARCHITECT AND BUILDING SERVICES ENGINEER PRIOR TO ORDERING.
- ALL DIMENSIONS IN MILLIMETERS, UNLESS STATED OTHERWISE.

GENERAL SERVICES NOTES

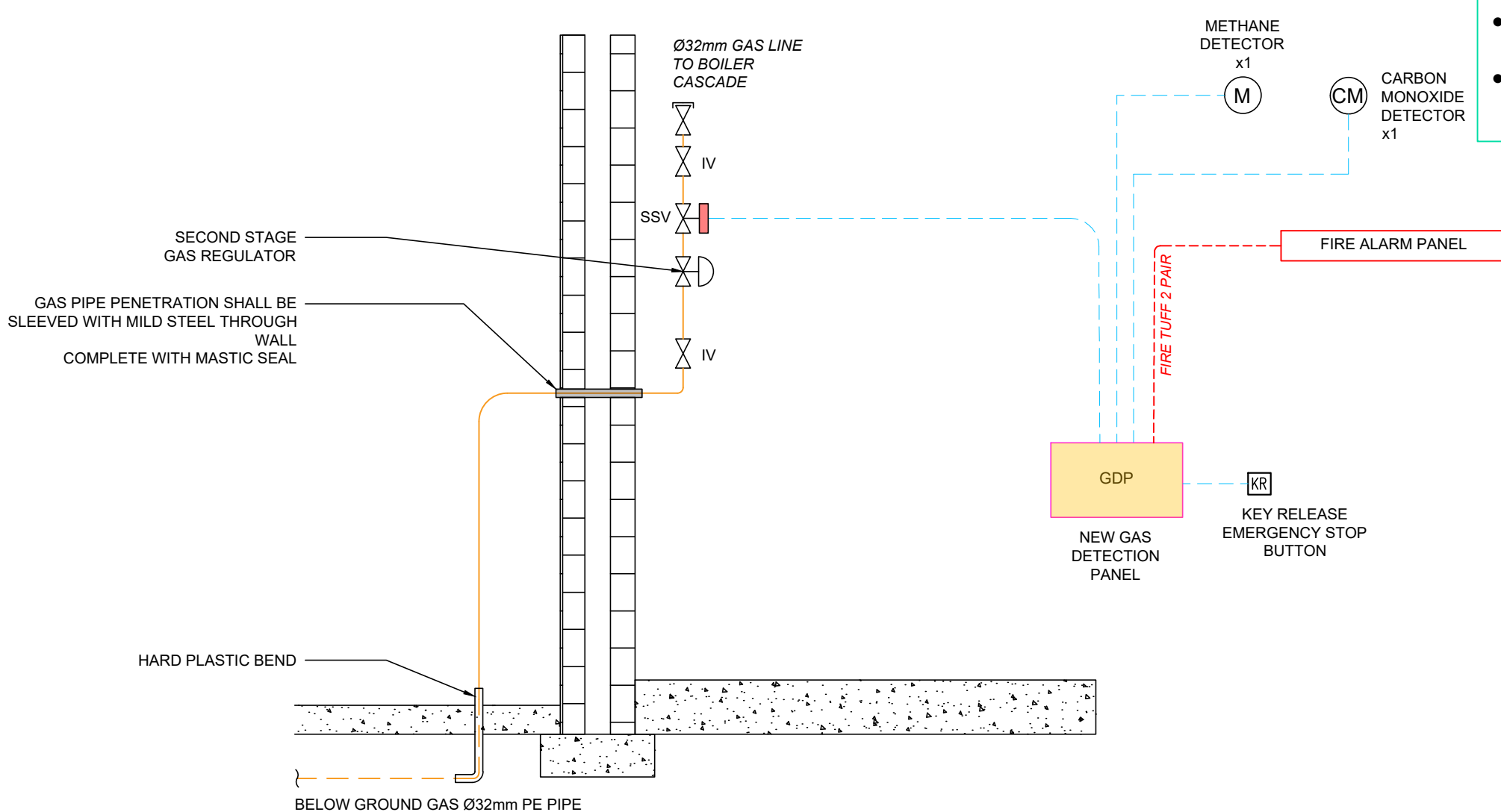
- THE ELECTRICAL INSTALLATION SHALL BE IN ACCORDANCE WITH THE CURRENT NSAI NATIONAL RULES FOR ELECTRICAL INSTALLATIONS - I.S. 10101:2020.
- BELECTRICAL CONTRACTOR TO INSTALL EARTHING ARRANGEMENTS TO SATISFY REQUIREMENTS WITH CHAPTER 54 ET101:2020.
- EACH CIRCUIT SHALL BE SUPPLIED FROM A DEDICATED COMBINED RCBO/AFDD ON THE LOCAL GENERAL SERVICES DISTRIBUTION CENTRE.
- ALL GENERAL SERVICES CABLES TO BE RATED CLASS DCA IN ACCORDANCE WITH EN50575: 2014 + A1 :2016
- ALL ISOLATION SWITCHES TO BE LABELED
- EACH CIRCUIT IS TO BE SUPPLIED FROM A DEDICATED AND AFDD/RCBO ON THE LOCAL APARTMENT CONSUMER UNIT
- ALL SWITCHPLATE ACCESSORIES ASSOCIATED WITH THE COMPLETE GENERAL SERVICES INSTALLATIONS **SHALL BE AS PER MK LOGIC PLUS RANGE OR APPROVED EQUIVALENT**
- CONTRACTOR SHALL ENSURE ALL SERVICES ARE CO-ORDINATED WITH OTHER SERVICES, ROOM LAYOUTS, AND FURNITURE ETC ..
- PROVIDE AND INSTALL DISABLED PERSON'S ALARM AS PER SPECIFICATION.
- WHERE SIGNAL/CONTROL CABLES ARE ROUTED TO THEIR RESPECTIVE CONTROL PANEL. PROVIDE LOCAL HIGH IMPACT GALVANISED STEEL TRUNKING TO ENCLOSE MULTIPLE RUNS OF CABLE.
- HIGH LEVELS FUSED SPURS IN THE ENTRANCE AREAS ARE FOR THE ACCESS CONTROL ALL SOCKET OUTLETS SHALL BE SUPPLIED WITH CONVENTIONAL 3-POINT SAFETY COVER INSERTS
- SWITCHED FUSE CONNECTION UNITS FOR FRIDGE AND DISHWASHER CONTROL UNDER COUNTER SINGLE UNSWITCHED SOCKETS.
- ALL SINKS SHALL BE EARTHED.
- SURFACE MOUNTED BACKBOXES SHALL NOT COME WITH PRE-MANUFACTURED KNOCKOUTS



1 NEW POWER BOILER PLANT ROOM
E100 1:50 @ A1



1 FIRE ALARM PANEL LOCATION
E100 1:50 @ A1

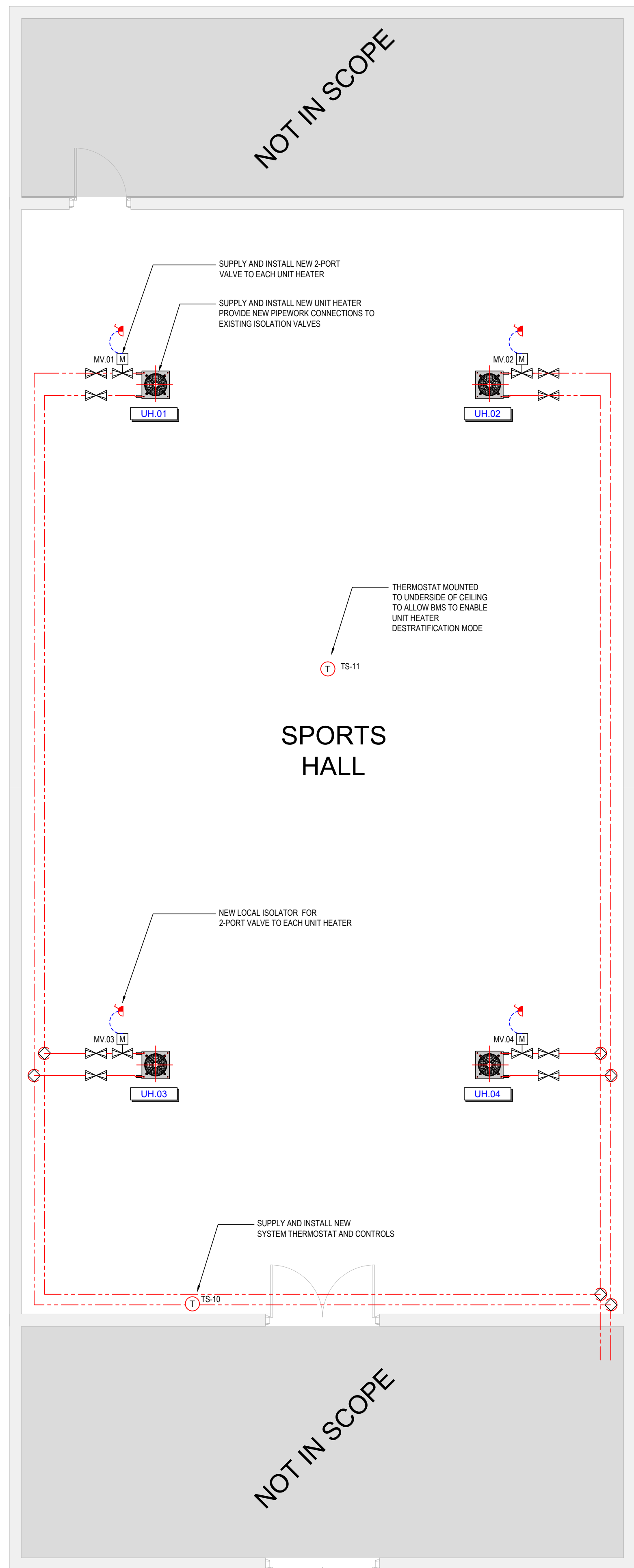


GAS PIPEWORK POP UP DETAILS & GAS DETECTION SYSTEM
E100 1:50 @ A1

SCOPE OF WORKS - ELECTRICAL SERVICES

CONTRACTOR SHALL ALLOW FOR THE FOLLOWING:

- INSTALL, WIRE, TERMINATE, TEST AND COMMISSION NEW MCC.01 SERVING THE UPGRADED BOILER PLANT.
- PROVIDE NEW MAINS POWER CABLE FROM THE EXISTING MDB TO MCC.01
- PROVIDE ALL NEW OUTGOING CIRCUITS FROM MCC.01 TO SERVE EQUIPMENT AS LISTED
- PROVIDE NEW MAINS POWER SUPPLIES AND LOCAL ROTARY ISOLATORS FOR EACH NEW BOILER.
- PROVIDE NEW MAINS POWER SUPPLIES AND LOCAL ROTARY ISOLATORS FOR NEW HEATING PUMPS.
- PROVIDE NEW MAINS POWER SUPPLY AND LOCAL ROTARY ISOLATOR FOR PU.01.
- PROVIDE ALL POWER AND CONTROL WIRING ASSOCIATED WITH THE NEW BOILER CASCADE, PUMPS AND BMS CONTROLS.
- PROVIDE ELECTRICAL SUPPLIES, LOCAL ISOLATORS AND FINAL CONNECTIONS TO UH.01, UH.02, UH.03 AND UH.04 SPORTS HALL UNIT HEATERS.
- PROVIDE ELECTRICAL POWER AND CONTROL WIRING TO MV.01, MV.02, MV.03 AND MV.04 2-PORT MOTORISED VALVES.
- PROVIDE LOCAL ELECTRICAL ISOLATION FOR EACH 2-PORT MOTORISED VALVE.
- PROVIDE WIRING ASSOCIATED WITH THE NEW SPORTS HALL THERMOSTAT / TEMPERATURE CONTROLS.
- PROVIDE ALL BMS FIELD WIRING AND INTERFACES REQUIRED FOR BOILER ENABLE, BOILER RUN/FAULT STATUS, PUMP ENABLE/RUN/FAULT, UNIT HEATER CONTROL, MOTORISED VALVE CONTROL AND TEMPERATURE MONITORING. PROVIDE POWER SUPPLY AND ASSOCIATED CONNECTIONS FOR THE NEW HEATING SYSTEM BMS FRONT-END INTERFACE LOCATED AT RECEPTION. PROVIDE CAT6 CABLING BETWEEN THE BMS SYSTEM AND THE RECEPTION FRONT-END, ALLOW APPROXIMATELY 70 M CABLE RUN, SUBJECT TO SITE VERIFICATION.
- PROVIDE FIRE ALARM INTERFACE CABLING BETWEEN THE EXISTING FIRE ALARM PANEL AT MAIN RECEPTION AND THE NEW HEATING/BMS CONTROL SYSTEM, ALLOW APPROXIMATELY 70 M CABLE RUN, SUBJECT TO SITE VERIFICATION.
- PROVIDE ALL NECESSARY INTERFACE RELAYS, TERMINALS AND ANCILLARY COMPONENTS REQUIRED FOR THE FIRE ALARM/BMS INTERFACE.
- PROVIDE ALL NEW CABLE CONTAINMENT, SUPPORTS, GLANDS, TERMINATIONS AND IDENTIFICATION ASSOCIATED WITH THE WORKS.
- MAINTAIN SEGREGATION BETWEEN MAINS POWER, CONTROLS, BMS AND DATA CABLING.
- PROVIDE ALL NECESSARY EARTHING AND BONDING TO NEW MCC, BOILERS, PUMPS, UNIT HEATERS, ISOLATORS AND METALLIC CONTAINMENT. LABEL ALL NEW CIRCUITS, ISOLATORS, MCC WAYS AND CONTROLLED EQUIPMENT. FULLY COORDINATE ELECTRICAL REQUIREMENTS WITH THE MECHANICAL CONTRACTOR AND BMS CONTROLS SPECIALIST.
- VERIFY FINAL EQUIPMENT ELECTRICAL LOADS AND MANUFACTURERS' REQUIREMENTS PRIOR TO INSTALLATION.
- TEST, COMMISSION AND CERTIFY THE COMPLETED ELECTRICAL INSTALLATION IN ACCORDANCE WITH I.S. 10101:2020.
- PROVIDE UPDATED CIRCUIT SCHEDULES, TEST CERTIFICATES AND AS-BUILT INFORMATION ON COMPLETION.



2 SPORTS HALL / CANTEEN LAYOUT POWER REQUIREMENTS
E100 1:50 @ A1

T1	ISSUED FOR TENDER	JH	JH	JH	18.06.26
REV	DESCRIPTION	DRN	ENG	APP	DATE



PROJECT
COLÁISTE COIS SIÚIRE MOONCOIN
BOILER UPGRADE EMERGENCY WORKS

CLIENT
KILKENNY AND CARLOW
EDUCATION AND TRAINING BOARD



DRAWING TITLE
ELECTRICAL SERVICES
LPHW BOILER SYSTEM
POWER AND CONTROLS

SCALE	SHEET SIZE	PROJECT No.	DRAWING No.	REV.
1:50	A1	26-021	E-100	T1