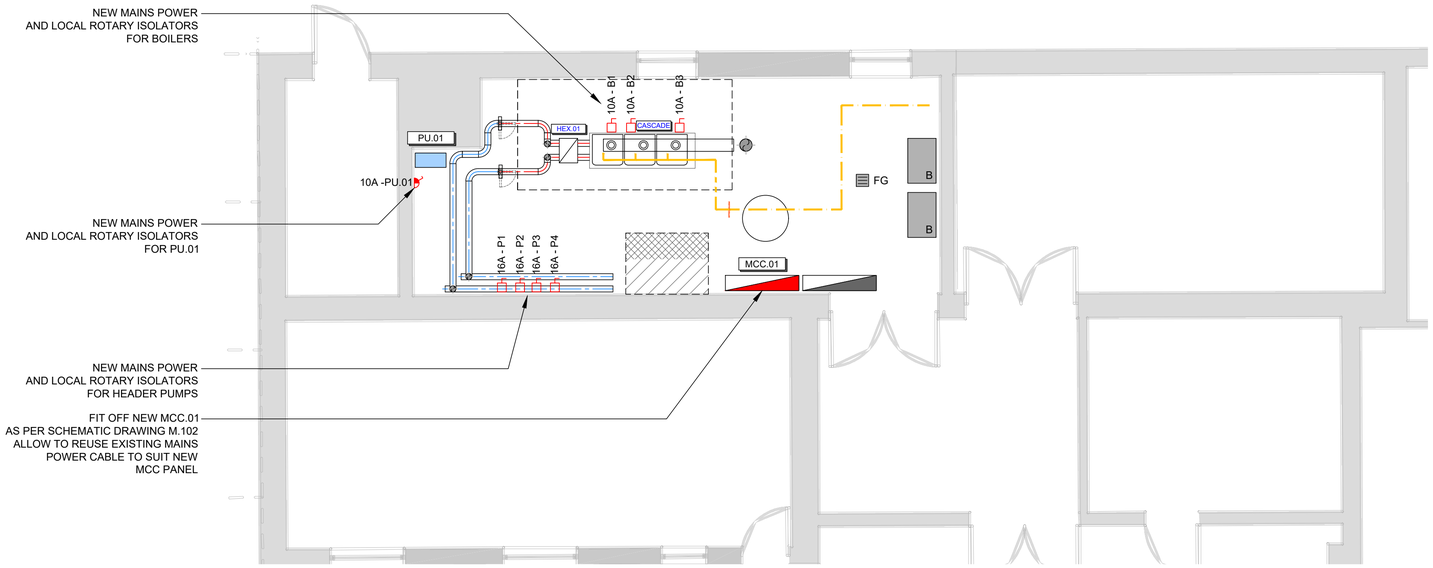
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1 E.100 NEW BOILER PLANT - ELECTRICAL SERVICES WORKS
1:50 @ A1

SCOPE OF WORKS - ELECTRICAL:

CONTRACTOR SHALL ALLOW FOR THE FOLLOWING:

- EXISTING INSTALLATION
  ISOLATE, DISCONNECT AND REMOVE REDUNDANT ELECTRICAL SUPPLIES, CONTROLS, ISOLATORS AND CABLING ASSOCIATED WITH THE EXISTING BOILER INSTALLATION.
  RETAIN EXISTING ELECTRICAL SERVICES SERVING PLANT THAT REMAINS IN OPERATION.
  TEST THE EXISTING INCOMING 3-PHASE SUPPLY AND CABLE AND CONFIRM SUITABILITY FOR REUSE TO SERVE THE NEW MCC.01.
  COORDINATE ALL SHUTDOWNS AND CHANGEOVERS WITH THE EMPLOYER'S REPRESENTATIVE.

- NEW MCC PANEL
  SUPPLY, INSTALL AND COMMISSION NEW PLANTROOM CONTROL PANEL MCC.01.
  MCC.01 SHALL INCLUDE ALL PROTECTIVE DEVICES, CONTACTORS, RELAYS, CONTROLS, TERMINALS, INDICATIONS AND INTERFACES REQUIRED BY THE HEATING CONTROLS SCHEMATIC.
  MODIFY AND TERMINATE THE EXISTING INCOMING MAINS CABLE TO MCC.01, SUBJECT TO SATISFACTORY TESTING.
  PROVIDE CIRCUIT SCHEDULES, DURABLE LABELS AND UPDATED PANEL DRAWINGS.

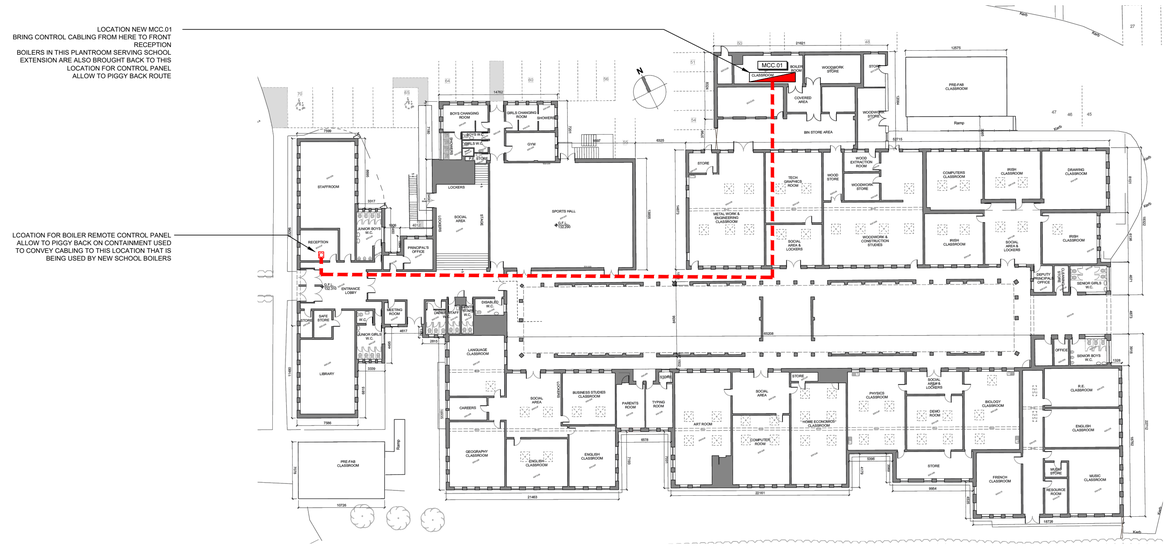
- REMOTE BOILER CONTROL PANEL
  PROVIDE AND INSTALL THE REMOTE BOILER/HEATING CONTROL PANEL AT THE MAIN RECEPTION/PRINCIPAL'S OFFICE LOCATION SHOWN.
  ROUTE NEW CONTROL CABLING FROM MCC.01 TO THIS LOCATION.
  REUSE OR SHARE THE EXISTING CONTAINMENT ROUTE USED FOR THE NEWER SCHOOL BOILER CONTROLS WHERE SUITABLE.
  COORDINATE THE FINAL CONTROL PANEL LOCATION AND CABLE ROUTE BEFORE INSTALLATION.

GENERAL NOTES

1. 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.
2. THE ELECTRICAL CONTRACTOR SHALL CO-ORDINATE ALL SERVICES FULLY WITH ALL TRADES BEFORE COMMENCING WORK.
3. DO NOT SCALE THIS DRAWING. ALL DIMENSIONS SHALL BE TAKEN ON SITE.
4. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY INFORMATION TO ALLOW PROPER CO-ORDINATION OF ALL SERVICES.
5. EXTRA COSTS INCURRED DUE TO THE CO-ORDINATION EXERCISE NOT BEING COMPLETED WILL NOT BE ACCEPTED BY THE ENGINEER.
6. EXACT LOCATION OF ALL SERVICES SHALL BE AGREED WITH THE EMPLOYERS REPRESENTATIVE PRIOR TO COMMENCEMENT ON SITE.
7. ALL SERVICES AS SHOWN ON THIS DRAWING SHALL BE INCLUDED IN THE FINAL TENDER PRICE
8. SAMPLE OF ALL EQUIPMENT SHALL BE APPROVED BY CLIENT, ARCHITECT AND BUILDING SERVICES ENGINEER PRIOR TO ORDERING.
9. ALL DIMENSIONS IN MILLIMETERS, UNLESS STATED OTHERWISE.

GENERAL SERVICES NOTES

1. THE ELECTRICAL INSTALLATION SHALL BE IN ACCORDANCE WITH THE CURRENT NSAI NATIONAL RULES FOR ELECTRICAL INSTALLATIONS - I.S. 10101:2020.
2. BELECTRICAL CONTRACTOR TO INSTALL EARTHING ARRANGEMENTS TO SATISFY REQUIREMENTS WITH CHAPTER 54 ET101:2008.
3. EACH CIRCUIT SHALL BE SUPPLIED FROM A DEDICATED COMBINED RCBO/AFDD ON THE LOCAL GENERAL SERVICES DISTRIBUTION CENTRE.
4. ALL GENERAL SERVICES CABLES TO BE RATED CLASS DCA IN ACCORDANCE WITH EN50575: 2014 + A1 :2016
5. ALL ISOLATION SWITCHES TO BE LABELED
6. EACH CIRCUIT IS TO BE SUPPLIED FROM A DEDICATED AND AFDD/RCBO ON THE LOCAL APARTMENT CONSUMER UNIT
7. ALL SWITCHPLATE ACCESSORIES ASSOCIATED WITH THE COMPLETE GENERAL SERVICES INSTALLATIONS **SHALL BE AS PER MK LOGIC PLUS RANGE OR APPROVED EQUIVALENT**
8. CONTRACTOR SHALL ENSURE ALL SERVICES ARE CO-ORDINATED WITH OTHER SERVICES, ROOM LAYOUTS, AND FURNITURE ETC ..
9. PROVIDE AND INSTALL DISABLED PERSON'S ALARM AS PER SPECIFICATION.
10. WHERE SIGNAL/CONTROL CABLES ARE ROUTED TO THEIR RESPECTIVE CONTROL PANEL PROVIDE LOCAL HIGH IMPACT GALVANISED STEEL TRUNKING TO ENCLOSE MULTIPLE RUNS OF CABLE.
11. 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
12. SWITCHED FUSE CONNECTION UNITS FOR FRIDGE AND DISHWASHER CONTROL UNDER COUNTER SINGLE UNSWITCHED SOCKETS.
13. ALL SINKS SHALL BE EARTHED.
14. SURFACE MOUNTED BACKBOXES SHALL NOT COME WITH PRE-MANUFACTURED KNOCKOUTS



2 E.100 LOCATION OF BOILER CONTROLLERS - MAIN RECEPTION
NTS

REV	DESCRIPTION	DRN	ENG	APP	DATE
T1	ISSUED FOR TENDER	JH	JH	JH	26.08.26

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PROJECT
COLÁISTE MHUIRE
BOILER UPGRADE EMERGENCY WORKS

CLIENT
KILKENNY AND CARLOW
EDUCATION AND TRAINING BOARD

DRAWING TITLE
ELECTRICAL SERVICES
LPHW BOILER SYSTEM
BOILER HOUSE NEW ELECTRICAL WORKS

SCALE	SHEET SIZE	PROJECT No.	DRAWING No.	REV.
1:50	A1	26-020	E-100	T1