

EXISTING BOILER & BURNER SCHEDULE:											
TAG:	LOCATION:	SERVICE:	SUPPLIER:	CAPACITY:	MANUFACTURER	MODEL:	EWI (°C)	LWT (°C)	VOLTAGE:	QUANTITY:	NOTE:
B-1	BOILER HOUSE	HEATING & DHW	HEVAC	115 kW	DE DIETRICH	INNOVENS PRO MCA 115	80°C	60°C	230V	1	1
B-2	BOILER HOUSE	HEATING & DHW	HEVAC	115 kW	DE DIETRICH	INNOVENS PRO MCA 115	80°C	60°C	230V	1	1
B-3	BOILER HOUSE	HEATING & DHW	HEVAC	115 kW	DE DIETRICH	INNOVENS PRO MCA 115	80°C	60°C	230V	1	1
1	WALL MOUNTED BOILERS COMPLETE WITH CASCADE CONTROLLER LOW LOSS HEADER KIT & TWIN WALL FLUE KITS										

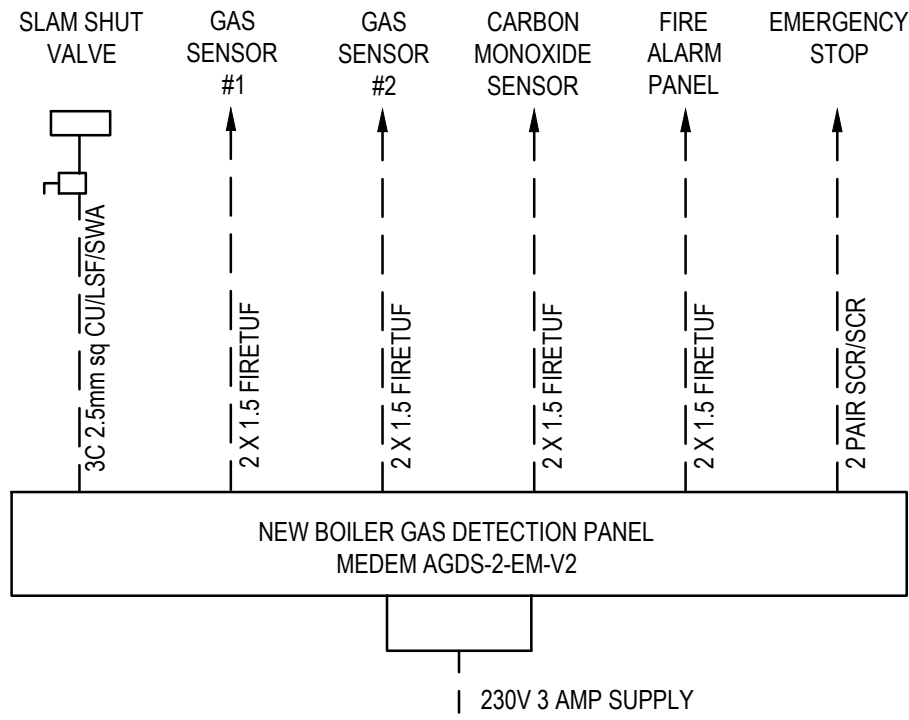
PUMP SCHEDULE:						
TAG:	LOCATION:	SERVICE:	SUPPLIER:	RATED FLOW (l/s):	RATED E.S.P. (kpa):	NOTE:
P-1	BOILER HOUSE	PHEX SHUNT PUMP	GRUNDFOS TPE3-100-120-S-A-F-A-BQOE-GWB	9.56	84.85	SINGLE STAGE IN-LINE CENTRIFUGAL PUMP
P-2 A/B	BOILER HOUSE	UPPER CLASSROOMS CIRCUIT	GRUNDFOS MAGNA3 D 80-80 F PUMP	4.64	60.85	TWIN HEAD VARIABLE SPEED PUMP
P-3 A/B	BOILER HOUSE	LOWER CLASSROOMS CIRCUIT	GRUNDFOS MAGNA3 D 65-80 F PUMP	2.86	61.40	TWIN HEAD VARIABLE SPEED PUMP
P-4 A/B	BOILER HOUSE	ASSEMBLY HALL CIRCUIT	GRUNDFOS MAGNA3 D 40-80 F PUMP	1.38	62.09	TWIN HEAD VARIABLE SPEED PUMP

PLATE HEAT EXCHANGER SCHEDULE:					
TAG	MANUFACTURER / MODEL:	SUPPLIER:	HEAT EXCHANGED (kW):	MAX. PRESSURE (bar)	NOTE:
PHEX-1	IDEAL BRAZED PLATE HEAT EXCHANGER	IDEAL	450	30	4Nr. FLANGE EN 1092-1 DN100 CONNECTIONS C/W INSULATION KIT

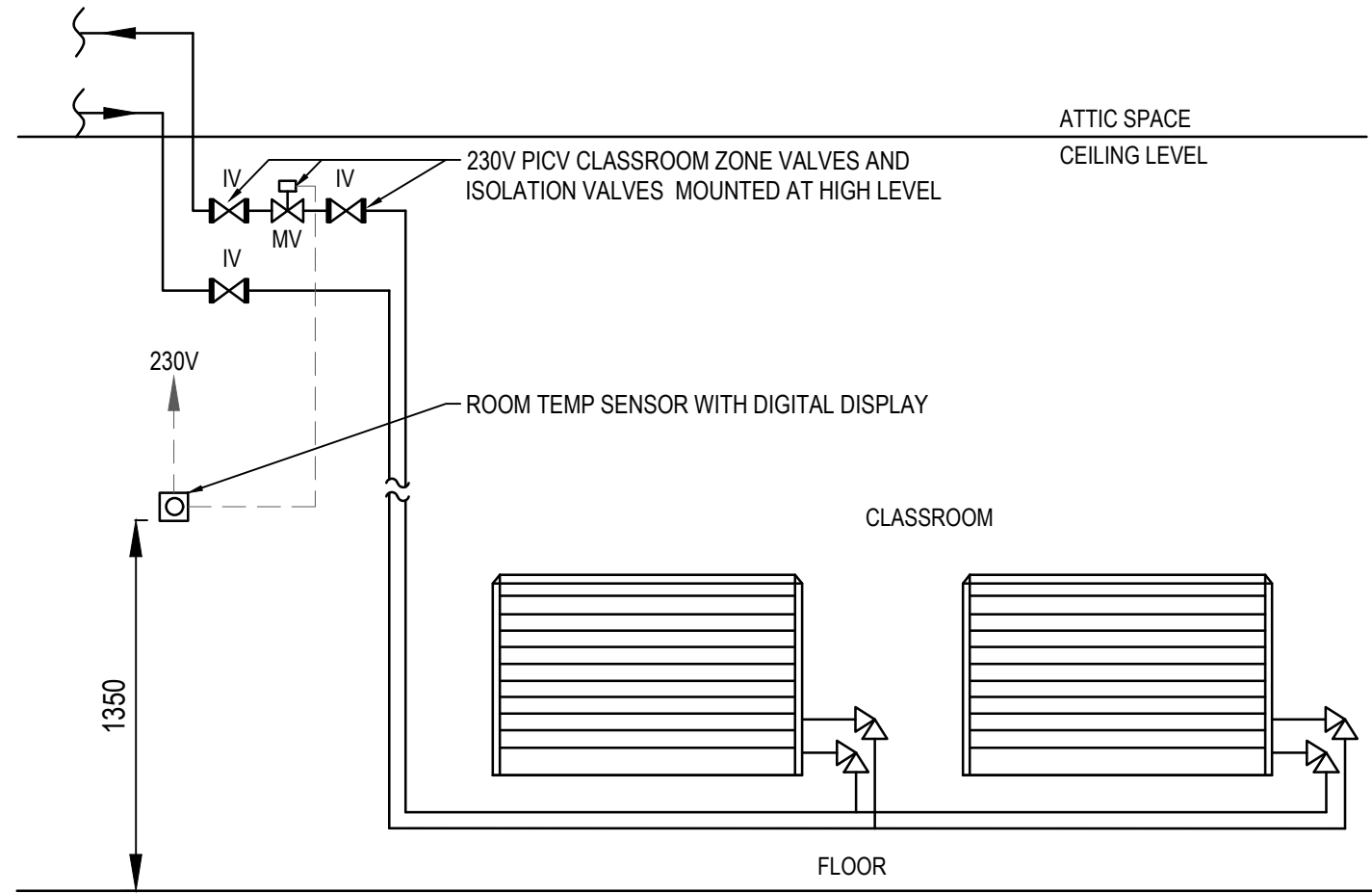
COLD FEED & EXPANSION SCHEDULE:				
TAG	MANUFACTURER:	MODEL:	POWER:	NOTE:
FE-1	GRUNDFOS	PHT-A-T-225	230V	TWIN SYSTEM PRESSURISATION UNIT WITH SINGLE 17.5 LITRE BREAK TANK C/W 1 Nr. FLEXCON 300 LITER & 1 Nr. 110 LITRE EXPANSION VESSELS AND ANTI GRAVITY LOOP

AIR DIRT SEPARATORS SCHEDULE:						
TAG:	MANUFACTURER:	TYPE:	FILTER DIAMETER (mm):	INLET SIZE (mm):	MATERIAL	NOTE:
DAS-1	CLEANVENT AIR	CVA 100	220	100	STAINLESS STEEL	MICROBUBBLE AIR SEPARATOR
DAS-2	1PASS	1PASS - 100	220	100	STAINLESS STEEL	MICROBUBBLE AIR & DIRT SEPARATOR

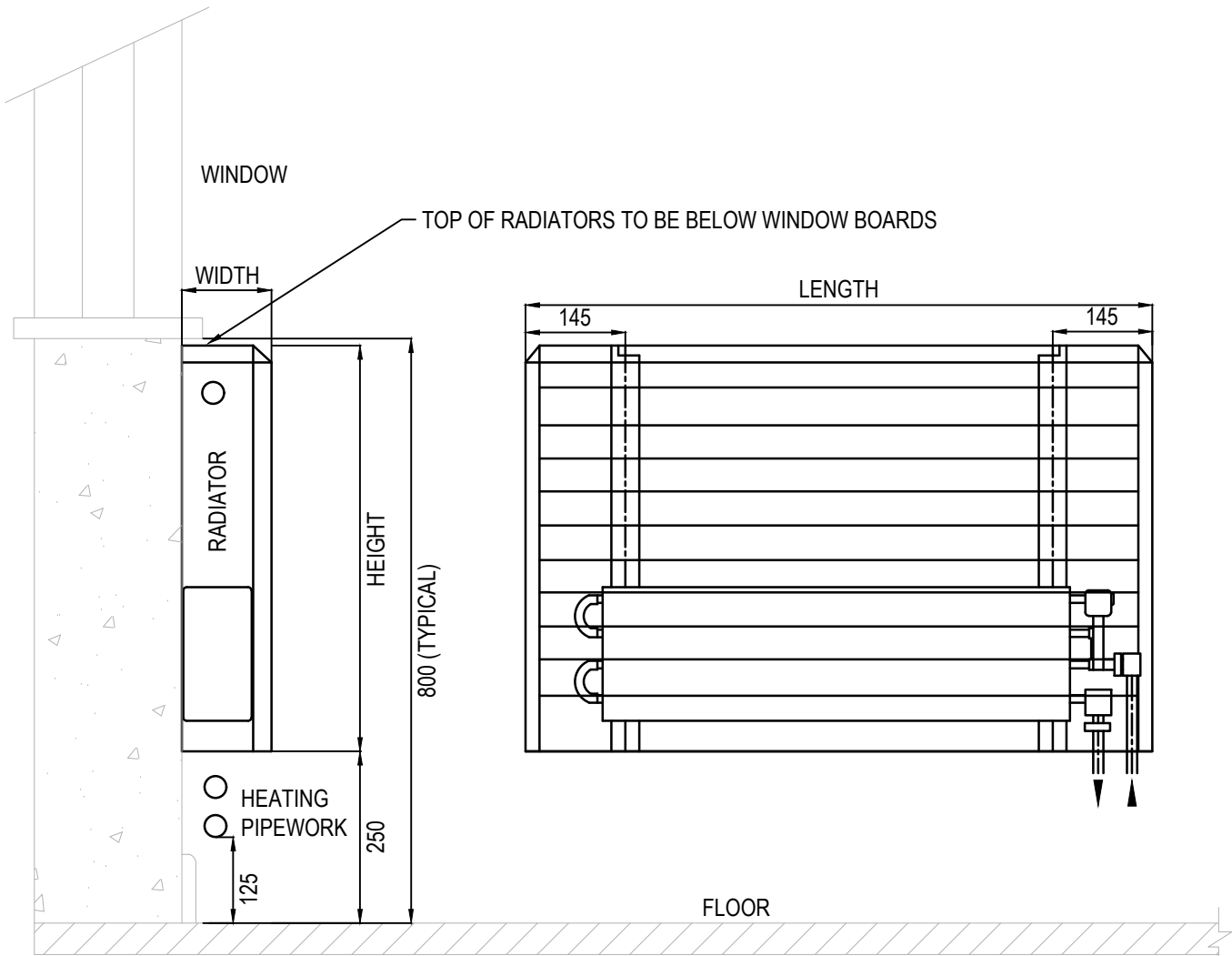
A BOILER ROOM EQUIPMENT SCHEDULES
MH-04 SCALE:- NTS



B BOILER ROOM GAS SAFETY SYSTEM SCHEMATIC
MH-04 SCALE:- NTS



C TYPICAL CLASSROOM HEATING CONTROLS DETAIL
MH-04 SCALE:- NTS



D TYPICAL WALL MOUNTED RADIATOR DETAILS
MH-04 SCALE:- NTS

HEATING SERVICES NOTES:

- THIS DRAWING IS INDICATIVE ONLY AND SHALL BE READ IN CONJUNCTION WITH THE SPECIFICATION & ALL OTHER RELEVANT DRAWINGS.
- THIS DRAWING MUST NOT BE SCALED. WORK TO FIGURED & SITE OBTAINED DIMENSIONS ONLY.
- CONTRACTOR SHALL TAKE FULL COGNISANCE OF THE PRELIMINARY HEALTH AND SAFETY PLAN, AND PROVIDE FULL METHOD STATEMENTS FOR ALL HAZARDOUS OPERATIONS LISTED THEREIN. METHOD STATEMENTS SHALL ALSO BE PROVIDED FOR ANY HAZARDOUS OPERATION WHICH BECOMES APPARENT THROUGHOUT THE CONSTRUCTION PHASE.
- THE MECHANICAL CONTRACTOR, WITH RELEVANT SUB CONTRACTORS SHOULD CARRY OUT A DETAILED SITE SURVEY PRIOR TO SUBMITTING COMPLETED TENDERS. TO ENSURE ALL COSTS ARE INCLUDED. NO COSTS FOR UNFORESEEN WORK WILL BE ACCEPTED.
- WHERE A PARTICULAR MANUFACTURERS PRODUCTS ARE SPECIFIED IT SHALL BE READ AS EQUAL AND PRE-APPROVED.
- THE MECHANICAL CONTRACTOR IS RESPONSIBLE FOR COMPLETING ALL BUILDERS WORK AS SPECIFIED IN THE TENDER DOCUMENTS INCLUDING OPENING UP CEILINGS, CORING OPES, MAKING GOOD AND REINSTATEMENT AND REDECORATION.
- RADIATORS TO BE AS MANUFACTURED BY VERSATILE MAXI nZEB RADIATOR RANGE OR EQUAL AND PRE-APPROVED.
- RADIANT PANELS TO BE AS MANUFACTURED BY VERSATILE ZEHNDER ZBN RADIANT PANEL RANGE OR EQUAL AND PRE-APPROVED.
- ALL OPES (WALL & CEILING) SHALL HAVE WALL PLATES INSTALLED AROUND OPE AND PIPE PLATES SHALL BE CAST WHITE METAL TYPE IF CONSTRUCTED IN TWO PIECES, THEY SHALL BE FITTED WITH SUBSTANTIAL HINGES AND POSITIVE CATCHES.
- ALL PIPEWORK TO BE MEDIUM GRADE STEEL WITH THREADED CONNECTIONS. PIPEWORK TO BE PAINTED TO MATCH WALL COLOURS / TO CLIENT SELECTED COLOUR BY A SPECIALIST PAINTING SUBCONTRACTOR.
- ALL RADIATORS AND RADIANT PANELS TO BE MOUNTED AS SPECIFIED IN THEIR RESPECTIVE SCHEDULES.
- ALL CONNECTIONS FROM RADIATORS TO HEATING PIPEWORK TO BE 15mmØ MEDIUM GRADE STEEL.
- ALL HEADER RUNS OF PIPEWORK AT HIGH LEVEL AND ALL PIPEWORK LOCATED IN CEILING SPACE TO BE INSULATED WITH FOIL BACKED INSULATION AS PER SPECIFICATION.
- PROVIDE DRAIN OFF POINTS AT ALL END RADIATORS.
- PROVIDE AUTOMATIC AIR VENTS AT ALL HIGH POINTS.
- PROVIDE EXPANSION BELLOWS ON MAIN DISTRIBUTION PIPEWORK LENGTHS RUNS IN EXCESS OF 15 METERS.
- ON COMPLETION OF THE INSTALLATION, THE SYSTEM SHALL BE TESTED AND DEMONSTRATED TO THE ENGINEER/CLIENT AND COMMISSIONED TO ENSURE THAT IT IS OPERATING ACCORDING TO THE DESIGN REQUIREMENTS. THE COMMISSIONING SHALL INCLUDE CORRECT ADJUSTMENT AND SETTING OF ALL PLANT, VALVES, SENSORS, CONTROLS, DIP SWITCHES, ETC.

TO	TENDER ISSUE	LL	JF	JF	10/09/26
REV	DESCRIPTION	BY	CHK	APP	DATE

CLIENT:

LIMERICK AND CLARE EDUCATION AND TRAINING BOARD
CAPITAL PROCUREMENT SECTION
STATION ROAD, ENNIS, CO CLARE

CAMPUS:

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Project:

HEATING SERVICES UPGRADE & GAS CONVERSION
EMERGENCY WORKS PROJECT 2026

Drawing Title:

PROPOSED GAS & HEATING SERVICES DETAILS

Scale NTS @ A1	Drawn LL	Checked JF	Approved JF	Date 10/09/2026
Project No. 2628	Type M	Drawing No. 2628-MH-04	Revision T0	

APPROVAL ☐ INFORMATION ☐ TENDER ☒ CONTRACT ☐ CONSTRUCTION ☐