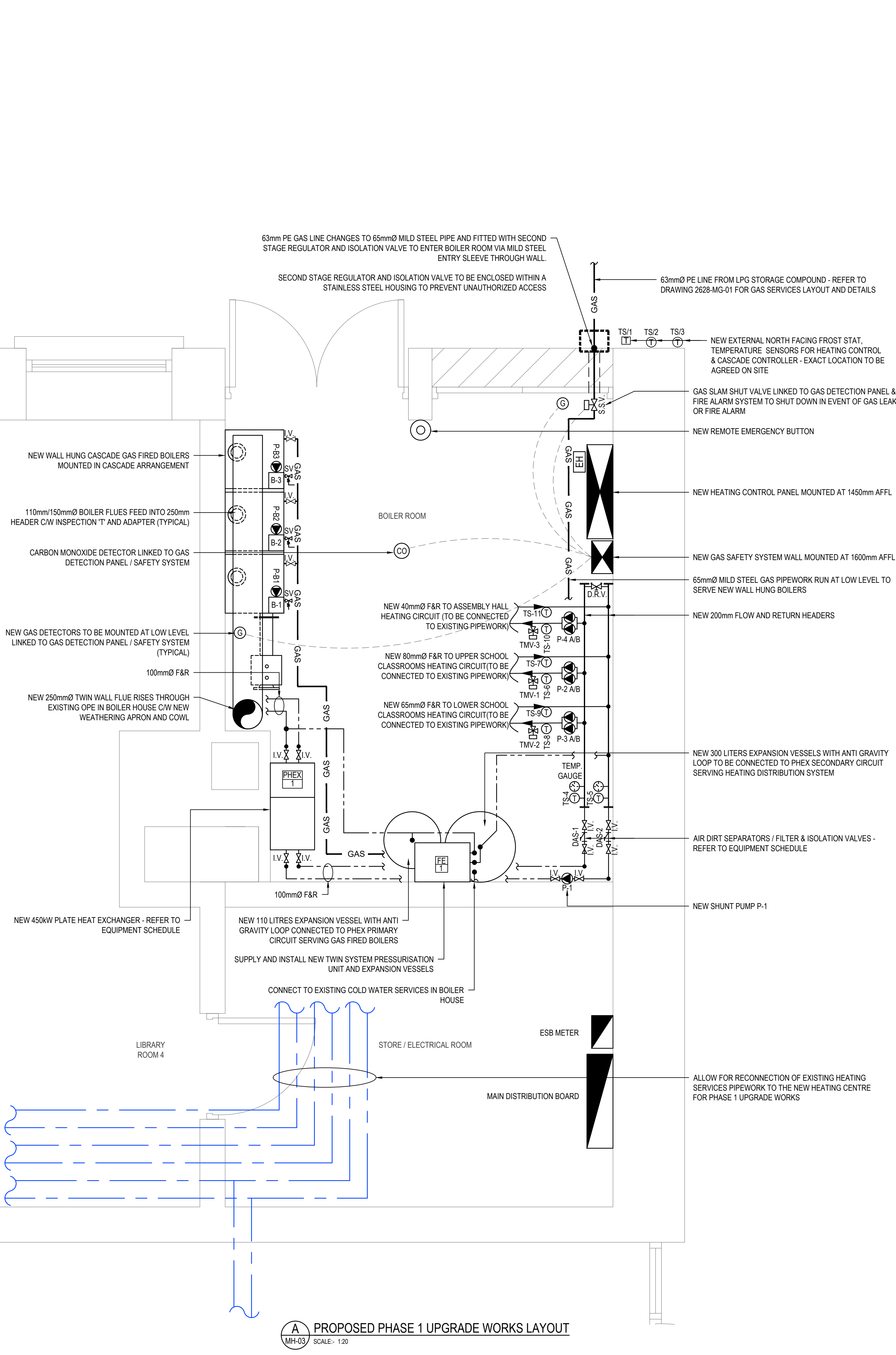
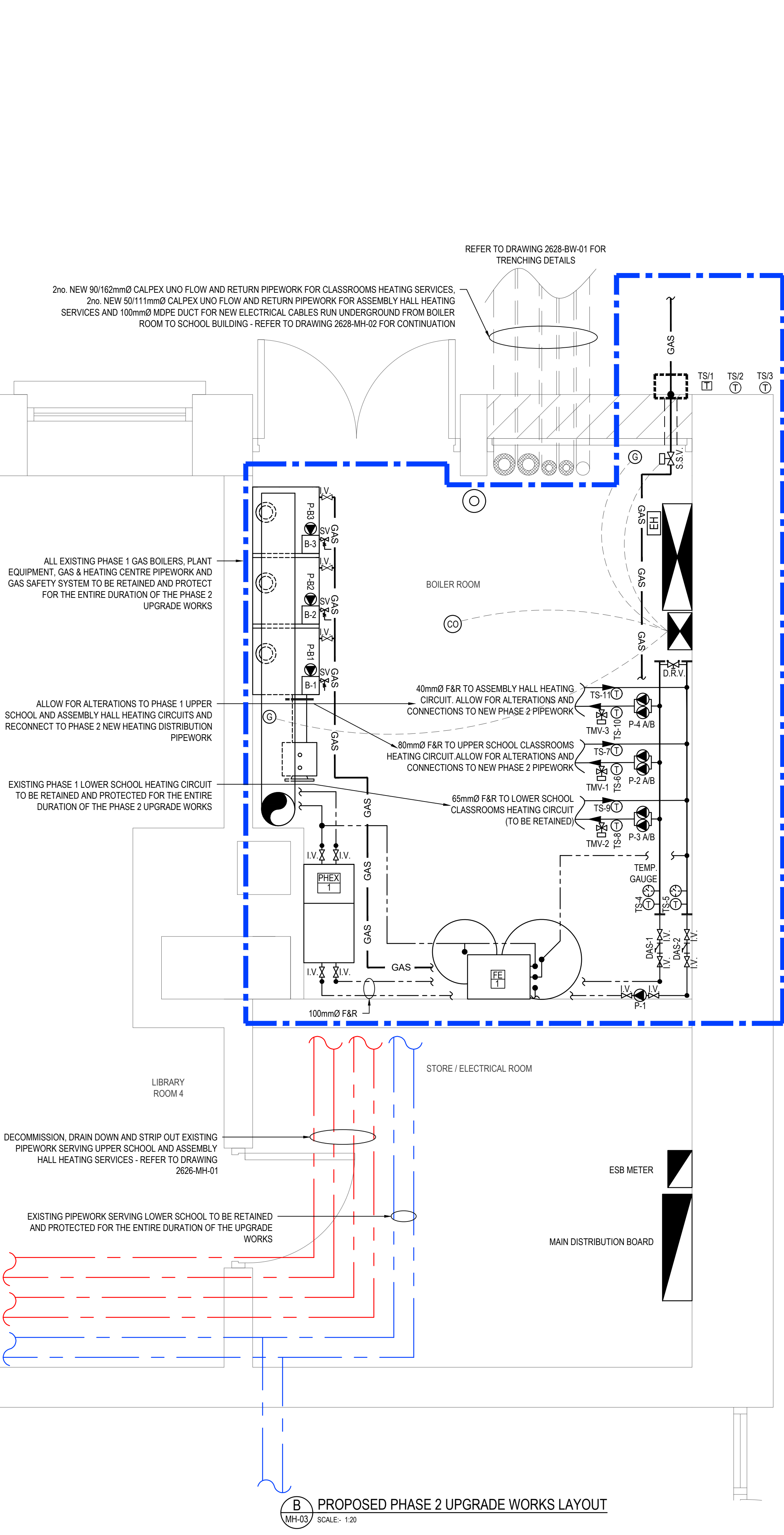




A PROPOSED PHASE 1 UPGRADE WORKS LAYOUT
MH-03 SCALE:- 1:20



B PROPOSED PHASE 2 UPGRADE WORKS LAYOUT
MH-03 SCALE:- 1:20

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- 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.

- ANNOTATIONS & LEGEND OF SYMBOLS:**
- INDICATES PIPEWORK RUN UNDER FLOOR
 - INDICATES PIPEWORK RUN AT LOW LEVEL
 - INDICATES PIPEWORK RUN AT HIGH LEVEL
 - INDICATES PIPEWORK RUN IN ATTIC / CEILING VOID
 - INDICATES RISE/DROP IN PIPEWORK
 - P-1 DENOTES SINGLE HEAD CIRCULATION PUMP
 - P-2 DENOTES TWIN HEAD CIRCULATION PUMP
 - P-B DENOTES INTEGRATED BOILER SHUNT PUMP
 - TS-1 DENOTES TEMPERATURE SENSOR / THERMOSTAT
 - TMV-1 DENOTES THREE PORT MIXING VALVE WITH MOTORISED ACTUATOR
 - D.R.V. DENOTES DOUBLE REGULATING VALVE WITH COMMISSIONING SET
 - DAS DENOTES AIR & AIR SEPARATOR
 - I.V. DENOTES ISOLATION VALVE
 - S.V. DENOTES SAFETY VALVE - PIPE TO FLOOR DRAIN
 - SSV DENOTES GAS SLAM SHUT VALVE
 - G DENOTES LPG GAS DETECTION SENSOR
 - CO DENOTES CARBON MONOXIDE DETECTION SENSOR
 - EB DENOTES REMOTE EMERGENCY BUTTON
 - EH 1kW SMART ELECTRIC RADIATOR - FARHO ECO GREEN ULTRA
 - NEW BOILER CONTROL PANEL / MCC
 - NEW GAS CONTROL PANEL

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
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Project:
HEATING SERVICES UPGRADE & GAS CONVERSION
EMERGENCY WORKS PROJECT 2026

Drawing Title:
PROPOSED PHASE 1 & PHASE 2
BOILER HOUSE MECHANICAL LAYOUT

Scale 1:20 @ A1	Drawn LL	Checked JF	Approved JF	Date 10/09/2026
Project No. 2628	Type M	Drawing No. 2628-MH-03	Revision T0	

APPROVAL ☐ INFORMATION ☐ TENDER ☒ CONTRACT ☐ CONSTRUCTION ☐