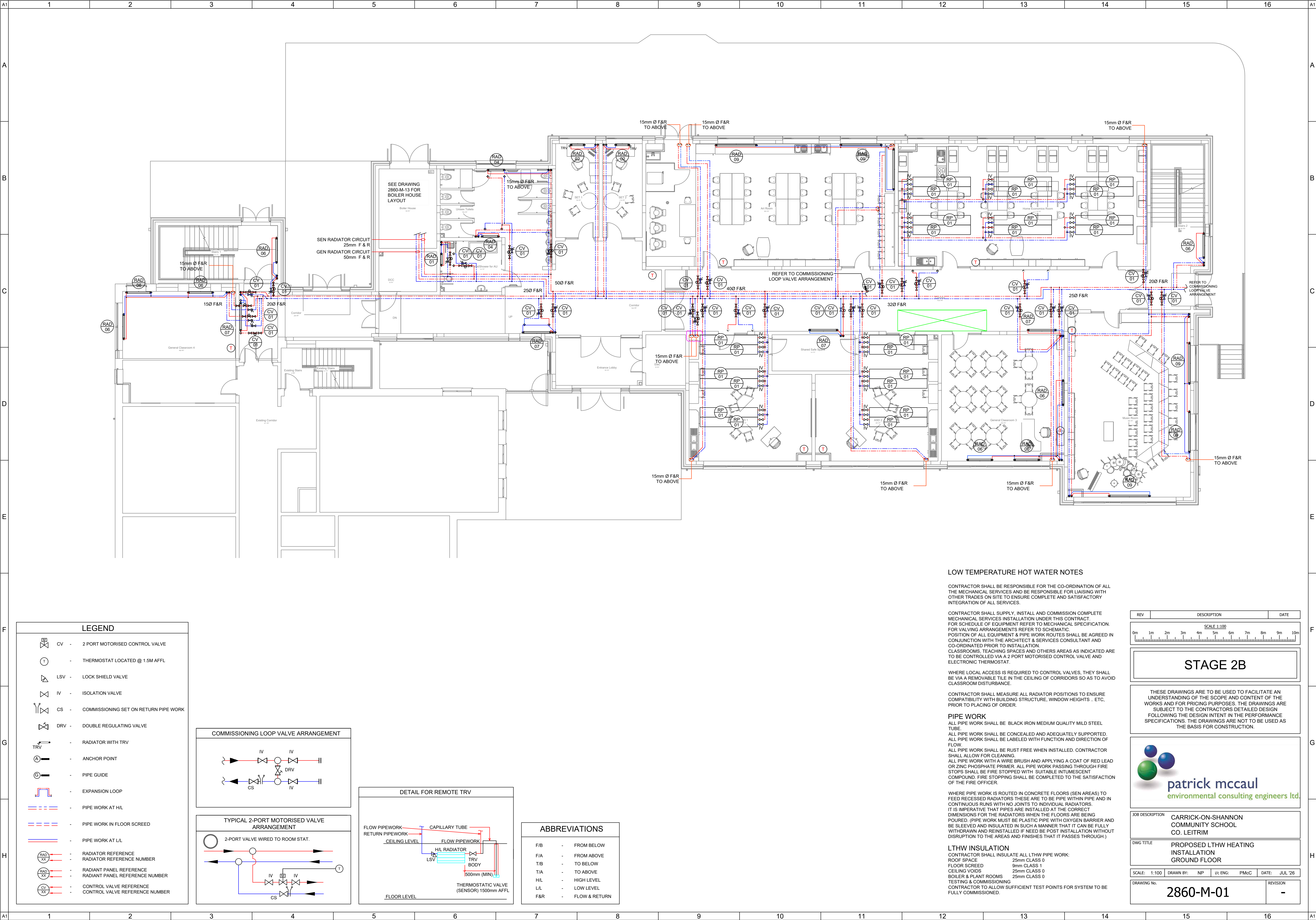




LOW TEMPERATURE HOT WATER NOTES

CONTRACTOR SHALL BE RESPONSIBLE FOR THE CO-ORDINATION OF ALL THE MECHANICAL SERVICES AND BE RESPONSIBLE FOR LIAISING WITH OTHER TRADES ON SITE TO ENSURE COMPLETE AND SATISFACTORY INTEGRATION OF ALL SERVICES.

CONTRACTOR SHALL SUPPLY, INSTALL AND COMMISSION COMPLETE MECHANICAL SERVICES INSTALLATION UNDER THIS CONTRACT. FOR SCHEDULE OF EQUIPMENT REFER TO MECHANICAL SPECIFICATION. FOR VALVING ARRANGEMENTS REFER TO SCHEMATIC. POSITION OF ALL EQUIPMENT & PIPE WORK ROUTES SHALL BE AGREED IN CONJUNCTION WITH THE ARCHITECT & SERVICES CONSULTANT AND CO-ORDINATED PRIOR TO INSTALLATION. CLASSROOMS, TEACHING SPACES AND OTHERS AREAS AS INDICATED ARE TO BE CONTROLLED VIA A 2 PORT MOTORISED CONTROL VALVE AND ELECTRONIC THERMOSTAT.

WHERE LOCAL ACCESS IS REQUIRED TO CONTROL VALVES, THEY SHALL BE VIA A REMOVABLE TILE IN THE CEILING OF CORRIDORS SO AS TO AVOID CLASSROOM DISTURBANCE.

CONTRACTOR SHALL MEASURE ALL RADIATOR POSITIONS TO ENSURE COMPATIBILITY WITH BUILDING STRUCTURE, WINDOW HEIGHTS . ETC. PRIOR TO PLACING OF ORDER.

PIPE WORK

ALL PIPE WORK SHALL BE BLACK IRON MEDIUM QUALITY MILD STEEL TUBE. ALL PIPE WORK SHALL BE CONCEALED AND ADEQUATELY SUPPORTED. ALL PIPE WORK SHALL BE LABELED WITH FUNCTION AND DIRECTION OF FLOW. ALL PIPE WORK SHALL BE RUST FREE WHEN INSTALLED. CONTRACTOR SHALL ALLOW FOR CLEANING. ALL PIPE WORK WITH A WIRE BRUSH AND APPLYING A COAT OF RED LEAD OR ZINC PHOSPHATE PRIMER. ALL PIPE WORK PASSING THROUGH FIRE STOPS SHALL BE FIRE STOPPED WITH SUITABLE INTUMESCENT COMPOUND. FIRE STOPPING SHALL BE COMPLETED TO THE SATISFACTION OF THE FIRE OFFICER.

WHERE PIPE WORK IS ROUTED IN CONCRETE FLOORS (SEN AREAS) TO FEED RECESSED RADIATORS THESE ARE TO BE PIPE WITHIN PIPE AND IN CONTINUOUS RUNS WITH NO JOINTS TO INDIVIDUAL RADIATORS. IT IS IMPERATIVE THAT PIPES ARE INSTALLED AT THE CORRECT DIMENSIONS FOR THE RADIATORS WHEN THE FLOORS ARE BEING POURED. (PIPE WORK MUST BE PLASTIC PIPE WITH OXYGEN BARRIER AND BE SLEEVED AND INSULATED IN SUCH A MANNER THAT IT CAN BE FULLY WITHDRAWN AND REINSTALLED IF NEEDED POST INSTALLATION WITHOUT DISRUPTION TO THE AREAS AND FINISHES THAT IT PASSES THROUGH.)

LTHW INSULATION

CONTRACTOR SHALL INSULATE ALL LTHW PIPE WORK:
ROOF SPACE 25mm CLASS 0
FLOOR SCREED 9mm CLASS 1
CEILING VOIDS 25mm CLASS 0
BOILER & PLANT ROOMS 25mm CLASS 0
TESTING & COMMISSIONING
CONTRACTOR TO ALLOW SUFFICIENT TEST POINTS FOR SYSTEM TO BE FULLY COMMISSIONED.

LEGEND

CV

2 PORT MOTORISED CONTROL VALVE

T

THERMOSTAT LOCATED @ 1.5M AFFL

LSV

LOCK SHIELD VALVE

IV

ISOLATION VALVE

CS

COMMISSIONING SET ON RETURN PIPE WORK

DRV

DOUBLE REGULATING VALVE

TRV

RADIATOR WITH TRV

-

ANCHOR POINT

-

PIPE GUIDE

-

EXPANSION LOOP

-

PIPE WORK AT HL

-

PIPE WORK IN FLOOR SCREED

-

PIPE WORK AT LL

-

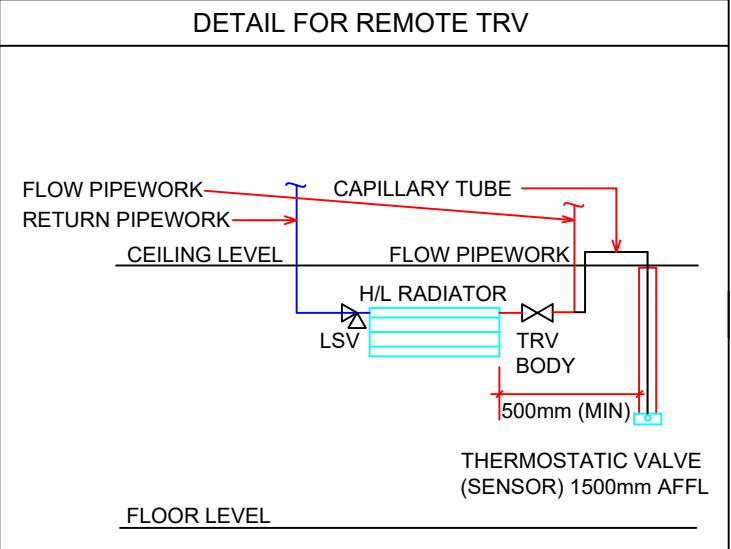
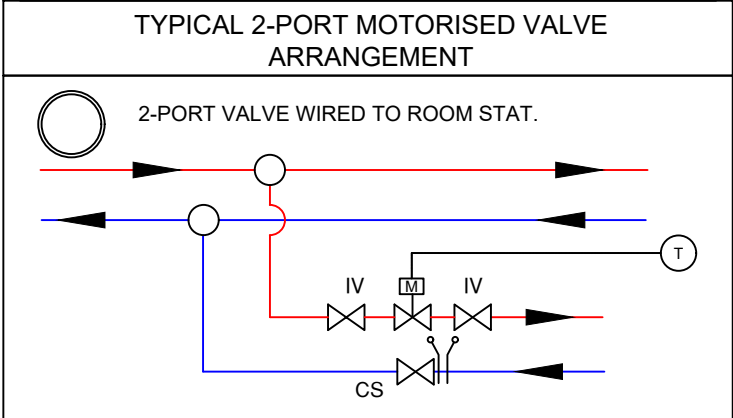
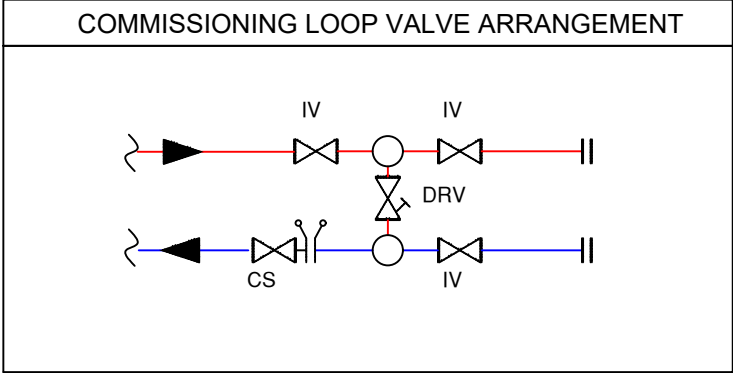
RADIATOR REFERENCE
RADIATOR REFERENCE NUMBER

-

RADIANT PANEL REFERENCE
RADIANT PANEL REFERENCE NUMBER

-

CONTROL VALVE REFERENCE
CONTROL VALVE REFERENCE NUMBER



ABBREVIATIONS	
F/B	FROM BELOW
F/A	FROM ABOVE
T/B	TO BELOW
T/A	TO ABOVE
HL	HIGH LEVEL
L/L	LOW LEVEL
F&R	FLOW & RETURN

REV	DESCRIPTION	DATE
SCALE 1:100		

STAGE 2B

THESE DRAWINGS ARE TO BE USED TO FACILITATE AN UNDERSTANDING OF THE SCOPE AND CONTENT OF THE WORKS AND FOR PRICING PURPOSES. THE DRAWINGS ARE SUBJECT TO THE CONTRACTORS DETAILED DESIGN FOLLOWING THE DESIGN INTENT IN THE PERFORMANCE SPECIFICATIONS. THE DRAWINGS ARE NOT TO BE USED AS THE BASIS FOR CONSTRUCTION.



JOB DESCRIPTION	CARRICK-ON-SHANNON COMMUNITY SCHOOL CO. LEITRIM	
DWG TITLE	PROPOSED LTHW HEATING INSTALLATION GROUND FLOOR	
SCALE: 1:100	DRAWN BY: NP	I/c ENG: PMcC
DATE: JUL '26		REVISION: -