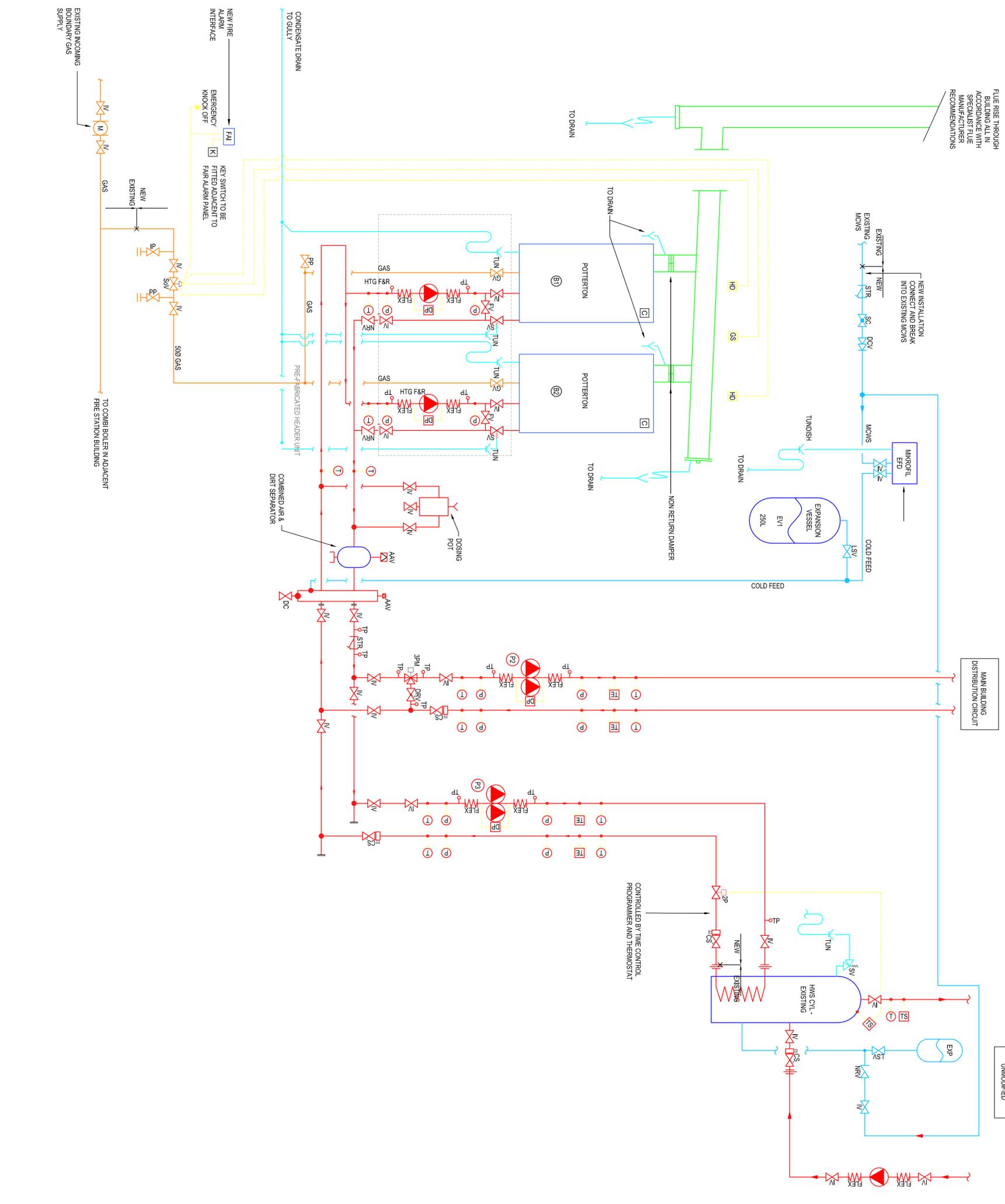


LEGEND

- DTLL DROP TO LOW LEVEL
- DBL DROP TO BELOW
- DPA DROP FROM ABOVE
- DPLH DROP FROM HIGH LEVEL
- DFCV DROP FROM CEILING VOID
- FRB RISE FROM BELOW
- FRLL RISE FROM LOW LEVEL
- FRHL RISE FROM HIGH LEVEL
- R/A RISE TO ABOVE
- HL HIGH LEVEL
- LL LOW LEVEL

SYMBOL LEGEND

- (TWIN HEAD PUMP SET)
- (SINGLE HEAD PUMP SET)
- (TUN) TUNDISH
- (ISOL) ISOLATION VALVE
- (3PM) 3 PORT MOTORISED VALVE
- (SV) GAS SOLENOID VALVE
- (CS) COMMISSIONING SET
- (DRV) DOUBLE REGULATING VALVE
- (LAV) AUTOMATIC AIR VENT
- (DPRV) DIFFERENTIAL PRESSURE RELIEF VALVE
- (STR) STRAINER
- (KNOCK) EMERGENCY GAS KNOCK OFF SWITCH
- (K) KEY SWITCH
- (FAI) FIRE ALARM INTERLOCK
- (DPS) PUMP DIFFERENTIAL PRESSURE SWITCH
- (P) PRESSURE GAUGE
- (TS) BMS TEMPERATURE SENSOR
- (T) VISUAL TEMPERATURE GAUGE
- (?) TEST POINT
- (G) GAS SENSOR
- (HD) HEAT DETECTOR
- (CQ) CARBON MONOXIDE DETECTOR
- (PP) GAS PURGE POINT
- (IP) GAS INJECTION POINT
- (FV) FLUSHING VALVE - NORMALLY CLOSED



- NOTES
1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL DOCUMENTED MECHANICAL, ELECTRICAL, ARCHITECTURAL AND STRUCTURAL DRAWINGS, CONTRACT DOCUMENTATION, SCHEDULES AND SPECIFICATIONS FOR THE WORKS.
 2. ALL NEW SERVICES POSITIONS ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EXACT ROUTES AND POSITIONS AND SHALL ENSURE NO OBSTRUCTION OR ACCESS FOR MAINTENANCE ISSUES ARE PRESENT AT HANDOVER.
 3. ALL EQUIPMENT SHALL BE LOCATED / POSITIONED TO THE SPATIAL REQUIREMENTS OF THE MANUFACTURER.
 4. ALL NEW EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.
 5. THE CONTRACTOR SHALL UNDERTAKE A FULL SITE SURVEY BEFORE COMMENCEMENT OF ANY WORKS AND SATISFY HIMSELF FULLY OF ALL EXISTING ROUTES, EQUIPMENT LOCATIONS ETC. THE CONTRACTOR SHALL ALSO ENSURE ALL NEW EQUIPMENT CAN BE POSITIONED AS INDICATED PRIOR TO ORDERING.
 6. ALL PLUMBING IN THE PLANTROOM SHALL HAVE ITS EDGES PAINTED WITH BRILLIANT WHITE PAINT TO REDUCE ANY TRIP HAZARD.
 7. THE CONTRACTOR SHALL ALLOW FOR PREPARING A SEQUENCING PROGRAM OF WORKS TO ENSURE THAT THE BOILER SYSTEM CHANGEOVER MINIMISES THE DISRUPTION TO THE EXISTING HEATING.
 8. THE CONTRACTOR SHALL ALLOW IN THEIR TENDERS FOR ALL ISOLATING, TESTING AND COMMISSIONING OF ALL EXISTING SERVICES TO WHICH NEW CONNECTIONS ARE REQUIRED OR ON WHICH THE WORKS MAY HAVE AN EFFECT.
 9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL BUILDERSWORK ASSOCIATED WITH THE SERVICES INSTALLATION BOTH PERMANENT AND TEMPORARY.
 10. ALL EXISTING PREPWORK WITHIN THE PLANTROOM SHALL BE REINSULATED TO MATCH THE NEW INSTALLED SERVICES.
 11. ALL CONDENSATE RINGS SHALL BE IN ASS SIZE TO BE CONFORMED BY EQUIPMENT MANUFACTURERS. ALL CONDENSATE RINGS SHALL BE INSULATED TO AVOID FREEZING.
 13. ALL SERVICES TO BE STRIPPED OUT SHALL BE VALVED AND BLANDED OFF.
 14. ALL PREPWORK SHALL BE PRESSURE TESTED & INSULATED IN ACCORDANCE WITH STANDARD SPECIFICATIONS, APPROPRIATE BANDING / IDENTIFICATION SHALL BE FITTED TO ALL INSULATED PREPWORK.
 15. ALL SYSTEM HIGH POINTS SHALL BE FITTED WITH AUTOMATIC AIR VENTS AS REQUIRED. ALL SYSTEM LOW POINTS TO BE FITTED WITH DRAIN COCKS.
 16. ALL TUNDISH DRAINS SHALL BE WITHIN 300MM OF THE EQUIPMENT IT IS SERVING.
 17. THE EXACT POSITION OF ALL SERVICES AND EQUIPMENT SHALL BE AGREED BY THE CONTRACT ADMINISTRATOR.
 18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FULLY CO-ORDINATING ANY SERVICES INSTALLED WITH THE BUILDING AND SERVICES INSTALLED BY OTHERS.
 19. ALL DIMENSIONS SHOWN ARE IN MILLIMETERS UNLESS OTHERWISE STATED.
 20. DO NOT SCALE FROM THIS DRAWING.

T1	TENDER ISSUE	30.06.16	MLS	JE
REV	DESCRIPTION	DATE	DRAWN	APPROVED

TENDER

Derbyshire Fire & Rescue Service

PROJECT
DERBY FIRE & RESCUE SERVICE
GLOSSOP FIRE STATION
BOILER & HEATING SYSTEM REPLACEMENT

DRAWING TITLE
PROPOSED BOILER HOUSE REPLACEMENT
MECHANICAL SERVICES SCHEMATIC

ENGINEERING SERVICES DESIGN LIMITED
MECHANICAL & ELECTRICAL
CONSULTING ENGINEERS
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CH1 2HX
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DRAWN	MLS	DATE	27.06.16
CHECKED	JE	DATE	27.06.16
APPROVED	JE	DATE	27.06.16
DRAWING NO.	M2605(58)001	SCALE	N/S
		REV	T1