

## PIPEWORK VALVES AND EQUIPMENT

	AUTOMATIC AIR RELEASE VALVE
	AUTOMATIC AIR ADMITTANCE VALVE
	BREAK
	TEST POINT
	DIRT SEPARATOR
	DOSING POT
	EXPANSION VESSEL
	MAGNETIC WATER CONDITIONER
	END CAP
	FLANGE
	FLOW ARROW
	GULLY
	METER (W=WATER, G=GAS, H=HEAT)
	PUMP
	RODDING EYE
	PIPE RISE/DROP
	UNION
	STRAINER
	3 PORT VALVE
	MOTORISED 3 PORT VALVE
	MOTORISED 2 PORT VALVE
	SINGLE NON-RETURN/SINGLE CHECK VALVE
	DOUBLE NON-RETURN/DOUBLE CHECK VALVE
	DRAIN COCK
	DOUBLE REGULATING VALVE
	THERMOSTATIC REGULATING VALVE
	VO/FO COMMISSIONING SET
	GAS SOLENOID VALVE
	ISOLATING VALVE
	STOP COCK
	EMERGENCY CUT OFF VALVE (GAS)
	ADDITIONAL EMERGENCY CUT OFF VALVE (GAS)
	LOCKSHIELD VALVE
	THERMOSTATIC RADIATOR VALVE
	THERMOSTATIC MIXING VALVE
	PRESSURE DIFFERENTIAL VALVE
	PRESSURE REDUCING VALVE
	SV = PRESSURE VALVE T&P = TEMP & PRESSURE VALVE
	REDUCED PRESSURE ZONE VALVE
	ORIFICE PLATE C/W TAPPINGS
	EXPANSION BELLOW
	FLEXIBLE CONNECTION
	RADIATOR REFERENCE
	WET SYSTEM RADIATOR
	EXISTING WET SYSTEM RADIATOR
	WET SYSTEM TOWEL RAIL
	EXISTING WET SYSTEM TOWEL RAIL
	ELECTRIC RADIATOR OR TOWEL RAIL
	FAN CONVECTOR/FAN COIL UNIT
	TRENCH HEATER
	OVERDOOR HEATER
	UNDERFLOOR HEATING MANIFOLD
	UNDERFLOOR HEATING ZONE
	PIPEWORK IN FLOOR VOID
	PIPEWORK AT LOW LEVEL
	PIPEWORK AT HIGH LEVEL
	PIPEWORK IN CEILING VOID

## CONTROLS

	GAUGE (P=PRESSURE, T=TEMPERATURE)
	SENSOR (P=PRESSURE, T=TEMPERATURE, H=HUMIDITY)
	CONTROLLER (T=THERMOSTAT, H=HUMIDISTAT)
	PROGRAMMER/TIMECLOCK
	FLOW MONITORING DEVICE
	CARBON MONOXIDE DETECTOR
	CARBON DIOXIDE DETECTOR
	NATURAL GAS DETECTOR
	EMERGENCY KNOCK OFF BUTTON

## DUCTWORK

	ATTENUATOR
	CROSS TALK ATTENUATOR
	ACCESS PANEL
	VOLUME CONTROL DAMPER
	FIRE DAMPER (RATING INDICATED)
	LOUVRE AIR FLOW ARROW
	SUPPLY ARROW
	EXTRACT ARROW
	RECTANGULAR DUCTWORK (SIZE AS NOTED)
	CIRCULAR DUCTWORK (SIZE AS NOTED)
	SQUARE RECESSED CEILING GRILLE
	CIRCULAR RECESSED CEILING GRILLE
	FLEXIBLE CONNECTION FROM DUCTWORK TO GRILLE
	EXTRACT FAN
	HEATING COIL
	COOLING COIL
	PANEL FILTER
	BAG FILTER
	HUMIDIFIER
	HEAT EXCHANGER

## ABBREVIATIONS

LL	LOW LEVEL
HL	HIGH LEVEL
RTA	RISE TO ABOVE
DTB	DROP TO BELOW
RTHL	RISE TO HIGH LEVEL
DTLL	DROP TO LOW LEVEL
HTG	HEATING
CHW	CHILLED WATER
MCW	MAINS COLD WATER SERVICE
CWDS	COLD WATER DOWN SERVICE
BCWS	BOOSTED COLD WATER SERVICE
GWS	GREY WATER SERVICE
RWS	RAINWATER SERVICE
LTHW	LOW TEMPERATURE HOT WATER
HWS	HOT WATER SERVICE
F&R	FLOW AND RETURN
RWP	RAINWATER PIPE
RWO	RAINWATER OUTLET
SVP	SOIL & VENT PIPE
F&E	FEED AND EXPANSION
uPVC	UNPLASTICISED POLYVINYL CHLORIDE
MDPE	MEDIUM DENSITY POLYETHYLENE
TMV	THERMOSTATIC MIXING VALVE
UFH	UNDERFLOOR HEATING
FM	FIRE MAIN

P1	03.08.18	ISSUED FOR INFORMATION	GC
REV	DATE	DESCRIPTION	NAME

**mta** Martin Thomas  
ASSOCIATES LTD  
BUILDING SERVICES CONSULTANTS  
HISTORIC BUILDINGS  
CULTURAL HERITAGE  
SUITE 7, CHATMOHR ESTATE, CRAWLEY HILL,  
WEST WELLOW, HAMPSHIRE, SO51 6AP

Tel: 01794 324725  
Email: general@mtassoc.co.uk  
Web Site: www.mtassoc.co.uk

**CIBSE** CARBON  
**LOW** CONSULTANTS

Client	
Architect	van Heyningen and Haward Architects

Project Title	MARBLE HILL HOUSE STABLE BLOCK
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Drawing Title	MECHANICAL SYMBOLS LEGEND
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Engineer	GC	Drawn by	RCT	Checked	GC
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