

TWIN LINE VALVES/FITTINGS		SINGLE LINE VALVES		SINGLE LINE PIPE COMPONENTS/ANCILLARIES		SCHEMATIC AHU		DUCTWORK COMPONENTS		LINE TYPES AND ANNOTATION	
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	COMMISSIONING SET FLANGED	 FLANGED	COMMISSIONING SET	 FLANGED	FLEXIBLE CONNECTION		HEATER SECTION - NON-ELECTRIC	 VCD	VOLUME CONTROL DAMPER		PIPEWORK BELOW FLOOR OR CONCEALED
	COMMISSIONING SET SCREWED		ORIFICE PLATE	 FLANGED	STRAINER		HEATER SECTION - ELECTRIC	 FD - FIRE DAMPER SD - SMOKE DAMPER SFD - SMOKE & FIRE DAMPER			PIPEWORK AT LOW LEVEL EXPOSED
	VENTURI TWO PORT WITH TAPPINGS FLANGED	 ##	TWO PORT VALVE STRAIGHT (## REFERENCE) LSV - LOCKSHIELD VALVE SC - STOP COCK IV - ISOLATION VALVE GC - GAS COCK SV - SERVICE VALVE	 FLANGED	VENTURI		COOLER SECTION		FLEXIBLE CONNECTION		PIPEWORK AT HIGH LEVEL EXPOSED
	VENTURI TWO PORT WITH TAPPINGS SCREWED	 FLANGED	TWO PORT GLOBE VALVE	 FLANGED	AIR SEPARATOR		FILTER SECTION PLEATED	 AD	ACCESS DOOR		PIPEWORK ABOVE FALSE CEILING
	TWO PORT VALVE FLANGED	 FLANGED	TWO PORT MOTORISED VALVE		UNION JOINT		FILTER SECTION BAG	 ##	SUPPLY GRILLE GRx## EXTRACT GRILLE GRx##		PIPEWORK WITH TRACE HEATING
	TWO PORT VALVE SCREWED	 FLANGED	THERMOSTATIC MIXING VALVE		FLANGED JOINT		SPRAY SECTIONHUMIDIFIER		TRANSFER GRILLE		HWS HOT WATER SERVICE
	TWO PORT MOTORISED VALVE FLANGED	 FLANGED	THREE PORT MOTORISED VALVE	 ##	AIR VENT (* REFERENCE) AAV - AUTOMATIC AIR VENT MAV - MANUAL AIR VENT		LOUVRE SECTION		FLEXIBLE DUCTWORK		CWS COLD WATER SERVICE
		 FLANGED	FOUR PORT MOTORISED VALVE	 ##	PUMP		MOTORISED DAMPER SECTION	 ##	AXIAL FAN		MWS MAINS WATER SERVICE
	TWO PORT MOTORISED VALVE SCREWED	 FLANGED	NON RETURN (CHECK) VALVE	 ##	DUPLEX PUMP				AXIAL FAN SECTION		HTG HEATING
		 FLANGED	DOUBLE CHECK VALVE		METER		DAMPER SECTION		ATTENUATOR		CHW CHILLED WATER
	THREE PORT MOTORISED VALVE FLANGED	 FLANGED	DOUBLE REGULATING VALVE		PRESSURE GAUGE		ELIMINATOR				CT HTG CONSTANT TEMPERATURE HEATING
		 FLANGED	PRESSURE REDUCING		TEMPERATURE GAUGE		CENTRIFUGAL FAN SECTION				VT HTG VARIABLE TEMPERATURE HEATING
	THREE PORT MOTORISED VALVE SCREWED	 FLANGED	DRAIN OR DRAW OFF COCK		REDUCER		PLATE HEAT EXCHANGER				LTHW LOW TEMPERATURE HOT WATER
		 FLANGED	BALL COCK		CAPPED END		DOOR CURTAIN HEATER				MTHW MEDIUM TEMPERATURE HOT WATER
	ISOLATING VALVE BUTTERFLY GEAR OPERATED FLANGED		TWO PORT ANGLED THERMOSTATIC RADIATOR VALVE (TRV)		TEST POINT						HTHW HIGH TEMPERATURE HOT WATER
	NON RETURN VALVE FLANGED		TWO PORT STRAIGHT THERMOSTATIC RADIATOR VALVE (TRV)		OPEN VENT						Bxx BOOSTED SERVICE
	NON RETURN VALVE SCREWED	 FLANGED	PRESSURE RELIEF VALVE		PIPE ANCHOR						CF&P COLD FEED AND PRESSURISATION
	DOUBLE CHECK VALVE FLANGED	 FLANGED	PRESSURE REGULATING VALVE		PRESSURE SENSOR						OF OVERFLOW
	DOUBLE CHECK VALVE SCREWED	 DPCV	DIFFERENTIAL PRESSURE CONTROL VALVE		TEMPERATURE SENSOR						WP WARNING PIPE
	STRAINER FLANGED	 PICV	PRESSURE INDEPENDENT CONTROL VALVE		FLOW SWITCH						OV OPEN VENT
	STRAINER SCREWED				DIFFERENTIAL PRESSURE SENSOR			SMOKE VENTILATION			F&R FLOW AND RETURN
	FLEXIBLE CONNECTION FLANGED				CONTROLLER						HL HIGH LEVEL
	DOUBLE REGULATING VALVE FLANGED				THERMOSTAT			 SVCS	SMOKE VENTILATION CONTROL PANEL		LL LOW LEVEL
	DOUBLE REGULATING VALVE SCREWED			 ETL	ELECTRO-THERMAL LINK			 SVI	SMOKE VENTILATION INTERFACE		FA FROM ABOVE
					EMERGENCY KNOCK OFF BUTTON			 AOV	MOTORISED DAMPER SECTION		FB FROM BELOW
					PIPE GUIDE						TA TO ABOVE
					EXPANSION BELLOWS						TB TO BELOW
					REMOVEABLE QUICKFILL FLEXIBLE CONNECTION						FL FLUSHING LOOP
					RISE OR DROP						FMS FLOW METERING STATION
					RODDING ACCESS						NO NORMALLY OPEN
											NC NORMALLY CLOSED

DO NOT SCALE

50mm

notes:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE CONTRACT SPECIFICATION AND ALL OTHER CONTRACT DRAWINGS.

2. ALL SERVICES ROUTES ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT ROUTES AND POSITIONS OF ALL INSTALLED SERVICES AND EQUIPMENT.

3. THE EXACT POSITION OF ALL SERVICES AND EQUIPMENT SHALL BE AGREED ON SITE WITH THE ENGINEER.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FULLY CO-ORDINATING ALL SERVICES INSTALLED BY THEM WITH THE BUILDING FABRIC AND ANY SERVICES TO BE INSTALLED BY OTHERS.

revisions:-

date:

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1 STATION ROAD, READING

drawing title:

MECHANICAL SYMBOLS
LEGEND

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