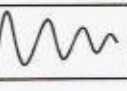
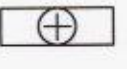
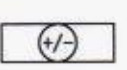
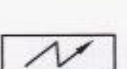
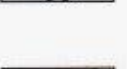
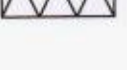
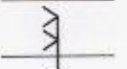
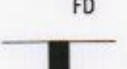
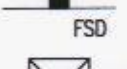
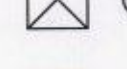
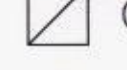
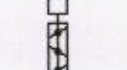
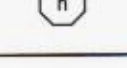
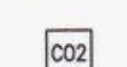
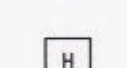
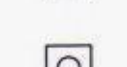
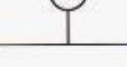
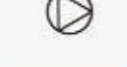
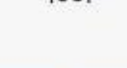
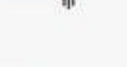
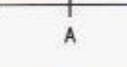
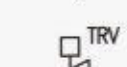
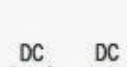
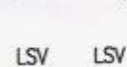
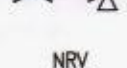
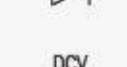
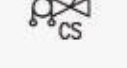
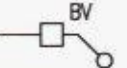
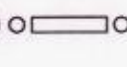
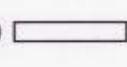
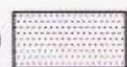


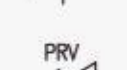
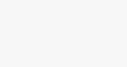
DUCTWORK/VENTILATION	
SYMBOL	DESCRIPTION
	SF = SUPPLY FAN EF = EXTRACT FAN FEF = FOUL EXTRACT FAN
	ATTENUATOR
	WALL MOUNTED FAN
	HEATER BATTERY
	HEAT RECOVERY COIL
	ELECTRIC HEATER BATTERY
	COOLING COIL
	PANEL FILTER
	BAG FILTER
	HUMIDIFIER
	FIRE DAMPER C/W ACCESS DOOR
	FIRE & SMOKE DAMPER C/W ACCESS DOOR
	SUPPLY DIFFUSER
	EXTRACT GRILLE
	DISC VALVE
	DOOR AIR TRANSFER GRILLE
	MOTORISED DAMPER
	VOLUME CONTROL DAMPER C/W ACCESS DOOR
	DUCT FLEXIBLE CONNECTION
	ACCESS DOOR (ONE DIMENSION OF 400mm MIN)
	PRESSURE RELIEF FLAP

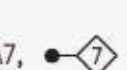
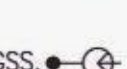
AIR STATUS	
SYMBOL	DESCRIPTION
	SUPPLY VOLUME (l/s)
	EXTRACT VOLUME (l/s)
	NOMINAL ROOM PRESSURE (Pa)
	AIR CHANGE RATE (ac/h)

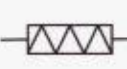
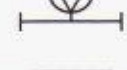
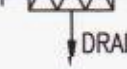
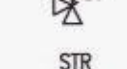
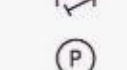
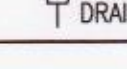
CONTROLS	
SYMBOL	DESCRIPTION
	OCCUPANCY SENSOR
	CO ₂ SENSOR
	TEMPERATURE SENSOR
	HUMIDITY SENSOR
	FAN CONTROLLER
	EMERGENCY GAS KNOCK OFF BUTTON
	DIFFERENTIAL PRESSURE SWITCH
	FROST COIL SERPENTINE TEMPERATURE SENSOR

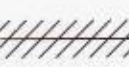
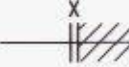
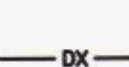
PIPEWORK	
SYMBOL	DESCRIPTION
	METER
	TEMPERATURE GAUGE
	PRESSURE GAUGE C/W SWAN NECK GAUGE COCK
	BINDER TEST POINT
	CIRCULATION PUMP
	TWIN HEAD PUMP
	PIPEWORK FLEXIBLE CONNECTION
	UNION JOINT
	FLANGE
	ANCHOR
	PIPEWORK REDUCER
	EXPANSION BELLOWS
	AUTOMATIC AIR VALVE
	MANUAL AIR VENT C/W 8mm DISCHARGE PIPE TO LL
	OPEN VENT
	STRAINER
	THERMOSTATIC RADIATOR VALVE
	ISOLATING VALVE
	DRAIN COCK C/W HOSE CONNECTION
	LOCK SHIELD VALVE
	NON RETURN VALVE
	DOUBLE CHECK VALVE
	DOUBLE REGULATING VALVE
	COMMISSIONING STATION
	SAFETY RELIEF VALVE (C/W DISCHARGE PIPEWORK)
	PRESSURE REDUCING VALVE
	WEIGHT OPERATED VALVE
	DIRECT ACTING VALVE
	3 WAY COCK
	MOTORISED VALVE
	BALL VALVE
	RPZ VALVE
	THERMOSTATIC MIXING VALVE C/W INTEGRAL BALL VALVES
	SHOWER MIXER
	OUTLET (H,C,M,B)
	HOSE UNION C/W DCV

HEATING	
SYMBOL	DESCRIPTION
	NEW RADIATOR
	EXISTING RADIATOR
	NEW LST RADIATOR
	FAN CONVECTOR
	NATURAL CONVECTOR
	CEILING MOUNTED RADIANT PANEL

STEAM	
SYMBOL	DESCRIPTION
	STEAM TRAP SET -COMPRISING DOUBLE IV ON INLET, STRAINER, TRAP, SIGHT GLASS, NRV & FINAL IV ON CONDENSATE OUTLET
	STEAM VENT HEAD WITH GRAVITY DRAIN
	PRESSURE REDUCING VALVE HP = HIGH PRESSURE LP = LOW PRESSURE COMPRISING DOUBLE IV ON INLET, STRAINER, PRV, SAFETY VALVE OUTLET PRESSURE GAUGE & DOUBLE IV ON OUTLET
	STEAM SEPARATOR

MEDICAL GASES	
SYMBOL	DESCRIPTION
	ENTINOX
	MEDICAL OXYGEN
	NITROUS OXIDE
	MEDICAL COMPRESSED AIR (4 BAR)
	SURGICAL COMPRESSED AIR (7 BAR)
	MEDICAL VACUUM
	ANAESTHETIC GAS SCAVENGING SYSTEM (AGSS)
	COMPRESSED AIR

COMPRESSED AIR	
SYMBOL	DESCRIPTION
	FILTER
	REGULATOR
	LUBRICATOR
	FILTER AND AUTODRAIN
	TRAP SET
	SAFETY VALVE
	STRAINER
	PRESSURE GAUGE
	SEPARATOR

PIPE LEGEND	
SYMBOL	DESCRIPTION
	PIPEWORK BELOW
	PIPEWORK AT LOW LEVEL
	PIPEWORK AT HIGH LEVEL
	PIPEWORK IN CEILING VOID
	EXISTING PIPEWORK TO BE REMOVED
	POINT OF DISCONNECTION
	GRADIENT FALL
	VERTICAL DROP
	PIPEWORK TRACE HEATED
	DX PIPEWORK

DOMESTIC SERVICES ABBREVIATIONS	
SYMBOL	DESCRIPTION
C	COLD WATER DOWN SERVICE
M	MAINS COLD WATER
BCWS	BOOSTED COLD WATER
SCWS	SOFT COLD WATER
BSCWS	BOOSTED SOFT COLD WATER
FM	FIRE MAIN
CF	COLD FEED
OV	OPEN VENT
H	HOT (DOMESTIC) WATER FLOW
R	HOT (DOMESTIC) WATER RETURN

HEATING SERVICES ABBREVIATIONS	
SYMBOL	DESCRIPTION
VT HTG	VARIABLE TEMPERATURE HEATING
CT HTG	CONSTANT TEMPERATURE HEATING
F	FLOW
R	RETURN
HR	HEAT REJECTION/HEAT RECOVERY
L, M, H	LOW, MEDIUM, HIGH

PUBLIC HEALTH ABBREVIATIONS	
SYMBOL	DESCRIPTION
SVP	SOIL VENT PIPE
W&VP	WASTE & VENT PIPE
SP	SOIL PIPE
VP	VENT PIPE
WP	WASTE PIPE
SOL	SPILL OVER LEVEL
CTD	CONNECT TO DRAIN
C/E	SCREW CAP CLEANING EYE
SS	STUB STACK
A	ACCESS DOOR

GENERAL MECHANICAL ABBREVIATIONS	
SYMBOL	DESCRIPTION
HL	HIGH LEVEL
LL	LOW LEVEL
RFB	RISE FROM BELOW
RFL	RISE FROM LOW LEVEL
RTHL	RISE TO HIGH LEVEL
RTA	RISE TO ABOVE
DFA	DROP FROM ABOVE
DFHL	DROP FROM HIGH LEVEL
DTLL	DROP TO LOW LEVEL
DTB	DROP TO BELOW

VENTILATION ABBREVIATIONS	
SYMBOL	DESCRIPTION
S	SUPPLY
E	EXTRACT
FE	FOUL EXTRACT
FA	FRESH AIR
EXH	EXHAUST AIR
FAI	FRESH AIR INTAKE
EXT	EXHAUST AIR OUTLET

MISC ABBREVIATIONS	
SYMBOL	DESCRIPTION
CHW	CHILLED WATER
G	GAS
LPG	LIQUID PETROLEUM GAS
S, STM	STEAM
C, COND	CONDENSE
DX	REFRIGERATION (DIRECT EXPANSION)
CA	COMPRESSED AIR

Do Not Scale
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This is not a working drawing. Figures dimensions shall be checked on site.
This drawing shall be read in conjunction with all relevant consultants and/or specialist drawings/documents.
Any discrepancies or variations shall be notified to the engineer prior to commencement of work.

NOTES

- THIS IS A STANDARD LEGEND, NOT ALL SYMBOLS WILL BE APPLICABLE.



Issue Date **OCT14** CAD **DS** ENG **KAP**
DESCRIPTION

T1 TENDER ISSUE



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Client

**PURBROOK PARK SCHOOL
WATERLOOVILLE**

Project

**PURBROOK PARK SCHOOL
REDEVELOPMENT**

Title

MECHANICAL LEGEND

Originators CAD/ENG. Original Date Scale @ A1

DS/KAP OCT'14 N.T.S.

Job No. Drawing No. Issue

J2140115 M1(00)101 T1

