

GENERAL NOTES

The contractor shall visit site to establish and fully understand the extent of the works to be carried out.

The drawings and specification are contractor performance requirements defining the extent of the work required by the employer. It is the contractor's responsibility to complete the design and provide a working solution in accordance with the performance requirements as defined in the specification.

This drawing should only be used for indicative information. Quantitative measurement of pipework, fittings, supports and insulation must be measured, by the contractor, on site. No claims will be considered through lack of knowledge or incorrect scaling from drawings.

Where new equipment is to be installed the contractor shall visit site verify accessibility and the equipment can be satisfactorily installed before placing any orders with the equipment manufacturer.

It is the contractor's responsibility to prepare their own working drawings and submit to the engineer for comment prior to installation.

This drawing must be read in conjunction with the specification and installed in accordance with requirements for materials and workmanship.

The contractor shall test and commission the whole of the installation in accordance with commissioning requirements and leave in operational working order.

Unless stated otherwise on drawings all equipment etc shall be installed in accordance with the manufacturer's recommendations.

To aid draining and venting, all branch connections shall be taken from the top of the distribution pipework. Distribution pipework shall be laid to a fall of 2mm/m with drain cocks at all low points. Air release valves (manual or automatic) shall be fitted at all high points on installed pipework systems.

Cold water pipework services, where hidden within boxing or installed in the ceiling void, shall include insulation in accordance with the specification to prevent condensation forming on the pipe surface. All hidden heating pipework shall be insulated.

Contractor to design and include provision for pipework expansion by including suitable change of direction of pipework, expansion loops, anchor points etc.

Commissioning valve sets shall be installed as required by the contractor's design to ensure the whole heating system can be proportionally balanced to achieve required flow rates and heat energy distribution.

Radiator connections shall be top bottom opposite ends generally. Where vertical radiators are installed connections shall be top opposite ends with a drain valve on each radiator. All radiators to be fitted with a manual air vent.

Exposed heating pipework shall be steel to BS 1387 and fittings to BS 143 & BS 1256.

LEGEND

PIPING ABOVE CEILING

PIPING VISIBLE AT H.L.

PIPING VISIBLE AT L.L.

PIPING BELOW FLOOR

RADIATOR REF No.

PANEL RADIATOR (HORIZONTAL)

FAN CONVECTOR

COMMISSIONING VALVE

DOUBLE REGULATING VALVE

METERING STATION (FLOW ELEMENT)

ISOLATING VALVE

GAS COCK

DRAIN COCK

SAFETY RELIEF VALVE

2-WAY VALVE (CONTROLS)

3-WAY VALVE (CONTROLS)

NON RETURN VALVE

AUTOMATIC AIR VENT

PUMP

TWIN PUMP

TEMPERATURE SENSOR

DRAIN TUNDRISH

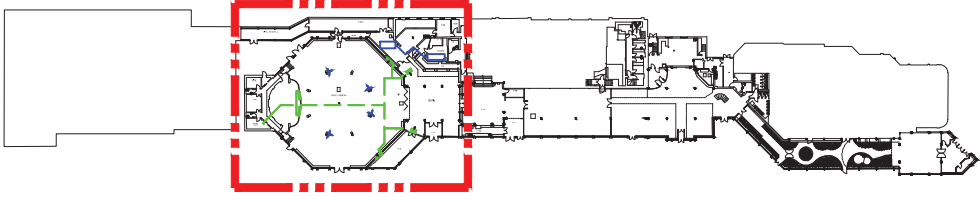
COMMISSIONING DATA

01 PROPOSED HEATING LAYOUT

M101 1:100 scale@A1 size

NOTES:

- EXTENT OF WORKS AREA
- PROPOSED RADIATOR C/W REF NUMBER
- PROPOSED FAN COIL UNIT C/W REF NUMBER
- PROPOSED UNDER BENCH HEATING C/W REF NUMBER
- FAN CONVECTOR HEATING CIRCUIT
- RADIATOR HEATING CIRCUIT



02 LOCATION PLAN

M101/NTS@A1 size

Client



Site

PAVILLION GARDENS, BUXTON
DERBYSHIRE, SK17 6BE

HIGH PEAKS
BOROUGH CONCIL

Client

HIGH PEAKS BOROUGH CONCIL
BUXTON TOWN HALL
MARKET PLACE, BUXTON
DERBYSHIRE, SK17 6EL
+44 (0)345 1297777

client@internet.com
http://www.highpeak.gov.uk

Suitability Description:

FOR APPROVAL

Designed	T.PECK	Date	03-May-16	Signed	
Drawn	C.METCALF	Date	03-May-16	Signed	
Checked	T.PECK	Date	03-May-16	Signed	
Approved	P.NICHOLSON	Date	03-May-16	Signed	
Scale:	1:100	Datum:			
Original Size:	A1	Grid:			
Suitability Code:		Project Number:	33198102		

PROJECT:

OCTAGON RING BEAM
RENOVATIONS

TITLE:

M&E SERVICES UPGRADE
PROPOSED HEATING



Registered office:
ARCADIS House
34 York Way
London
N1 9AB

Coordinating office:
ARCADIS House
34 York Way
London
N1 9AB
Tel: 44 (0)20 7812 2000

www.arcadis.com

Drawing Number:

M102

Revision:

A

100mm on Original

Print Date: 03/05/2016 16:42:35

P:\S Services\Projects FY 2015\33198102 High Peak - The Octagon\Arcadis Drawings\M102 - Proposed Ground Floor Heating Layout - OPTION B.dwg

© Copyright reserved