

External temperature

Wiring center for Monobloc Heat Pump, c/w wired controller with LCD user interface and interfaces with individual room thermostat linked back to a UFH manifold wiring center and any zone valves.

Supply and install new external packaged monobloc air source heat pump, mounted on at low level on the ground and enclosed by others,

Heat pump to as per R32 Riello Monobloc NXHM-012 (1 Fan) 12 kW (or equal to and approved). Heat pump to be provided with an upgraded integral variable speed circulation pump suitable for increased head.

Monobloc unit to be floor mounted on a 100mm concrete plinth with moulded rubber floor mounting blocks.

Mechanical Valves (General)	
Symbol	Description
	Isolation Valve
M	Single Check Valve
	Double Check Valve
${\tt A}$	Non-Return Valve
⊁	Pressure Reducing Valve
	Safety Valve (Angled)
M	2 Port Control Valve
×	3 Port Control Valve
P	Pressure Bypass Valve (Straight)
▶⊪	Drain Cock & Hose Union (Straight)
	Drain Cock & Hose Union (Angled)
	Manifold Thermostatic Mixing Valve
Å	Lockshield Valve (Straight)

Mechar	nical Ancillaries (Ceneral)
Mechanical Ancillaries (General)	
Symbol	Description
ուլիս	Flexible Connection
۲	In-Line Basket Strainer
ψ 	Automatic Bottle Air Vent
ф т	Manual Air Vent

Symbol	Description
ւիչո	Flexible Connection
ŀŻł	In-Line Basket Strainer
Ý	Automatic Bottle Air Vent
¢"	Manual Air Vent
D	Pipeline Size Reduction
Щ	Pipeline Flanged Connection
I Q I	Vibration Isolator (Flex Connection)
\bigotimes	Gauge
×	Gauge (With Valve)
M	Inline Meter
+	Self Sealing Tapping Point
Y	Tundish (Cone)
۵	Capped Connection
-8-	Double Head Circulator Pump

Notes

contractors.

Bailey Partnership is the trading name of Bailey Partnership (Consultants) LLP, a limited liability partnership registered in England and Wales No.- OC420278.

This drawing is copyright and owned by Bailey Partnership (Consultants) LLP, and is for use on this project and site only unless contractually stated otherwise. DO NOT SCALE from this drawing (printed or electronic versions).Unless otherwise stated,all dimensions are given in millimeters and shall be checked on site by the

All other design team elements, where indicated, have been imported from the consultant's drawings and reference should be made to the individual consultant's drawings for exact setting out, size and type of component.

Discrepancies and / or ambiguities within this drawing, between it and information given elsewhere, must be reported immediately to the engineers for clarification before proceeding. All works are to be carried out in accordance with the latest British Standards and Codes

of Practice unless specifically directed otherwise in the specification. Responsibility for the reproduction of this drawing in paper form, or if issued in electronic format, lies with the recipient to check that all information has been replicated in full and is correct when compared to the original paper or electronic image. Graphical representations of equipment on this drawing have been co-ordinated, but are approximations only. Please refer to the Specifications and / or details for actual sizes and the approximation construction in formation. and / or specific contractor construction information.

Ordnance Survey Paper Map Copying License number: 40006119 This original document is issued for the purpose indicated below and contains information of confidential nature. Further copies and circulation will be strictly in

accordance with the confidentiality agreement under the contract. © Bailey Partnership (Consultants) LLP: This document is issued for the party which commissioned it and for specific purposes connected with the captioned project only. It should not be relied upon by any other party or used for any other proprietaries. We accept no responsibility for the consequences of this document being relied upon by any other party, or being used for any other purpose, or containing any error or omission which is due to an error or omission in data supplied to us by others. SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

Refer to the relevant Construction (Design and Management) documentation where applicable. It is assumed that all works on this drawing will be carried out by a competent

contractor, working where appropriate to an approved method statement.

Project Notes

The Contractor shall ascertain the nature of the site, access thereto and all local conditions and restrictions likely to affect the installation. No claim will be considered on the grounds of the lack of site knowledge.

The Contractor shall be responsible for the final coordination of all new and existing services, with the building structure, architecture and fixed furniture and equipment. The Contractor shall allow for all required changes in height and direction not identified on the drawing and the final setting out of all plant, equipment and services shall be agreed on

site with the Engineer. The Contractor shall be responsible for any temporary access or lifting equipment required to carry out the works

XX Revision Cloud Reference (A1)



Client

Torbay Council

Project

Paignton Academy - SEND

Drawing Title Space Heating Services Mechanical Schematic

 Suitability - Status Code
 Suitability - Purpose of Issue
S4 Tender Project No. Scale @ A1 Revision P01 35432 NTS A1 Drawing Identifier Project Code - Originator - Function - Space - Form - Discipline - Number 5061 PANSD-BPC-02-XX-D-M-

www.**bailey**partnership.co.uk