

Type

Twin Head

The new pumps and circulators shall be as manufactured by Grundfos Ltd, or equal and approved. The pump duties and model

Circuit

Constant Temp AHU

Heating Pump

Notes

Model

Magna3 D 40-80 F

Insertion Loss

55

55

55

51

51

63Hz | 125Hz | 250Hz | 500Hz | 1Hz | 2Hz

51

32

20

Flow Rate Pressure Drop

(Pa)

20

Model/Type

SPGZ211

SPGZ211

Location

Playhouse Roof

Playhouse Roof

The attenuators shall be manufactured by Allaway Acoustics Ltd or equal and approved.

System

EF01 Extract

AHU01 Supply

The weight of ATT01 is 260kg and the weight of ATT02 is 260kg.

Dimensions

LxWXH(mm)

2100 x 1100 x 1100

2100 x 1100 x 1100

Design | Minimum

Flow Rate Resistance

(kg/s)

2.12

(Kpa)

50

references shall be as detailed in the Pump Schedule above.

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- 1. All pipework in ceiling voids, floor ducts and enclosures to be fully insulated in accordance with BS 5422. Insulated pipework shall be fitted
- All fittings, plant and equipment to be installed, regulated and tested in accordance with the
- All valves to be fully accessible and provided
- Drain valve and air vents to be provided at all
- Press-fit pipework must not be considered for
- The Contractor shall include in his tender for the supply, installation, testing and commissioning of the proposed hot and cold water services as detailed opposite. The Contractor shall allow for all terminations to the water outlets on the proposed classroom furniture / sanitary ware. The Contractor shall also allow for stripping out and removal of
- All exposed domestic services pipework to be in chrome plated copper tube to BS EN 1057 (old table "x"). all fittings to be non-dezincifiable and comply with BS864. all capillary fittings to have lead free solder rings as Yorkshire potable
- All hot and cold water outlet connections to be fitted with a 'ball-o-fix' type servicing valves.
- the full chlorination of all new domestic hot and cold water in accordance with BS6700 /
- All final connections to WHB/sinks shall be 15mm and hard piped. No flexible connections
- 11. The Contractor shall include in his tender for the supply, installation, testing and commissioning of the proposed ventilation services as detailed on this drawing. The drawing shows the tender stage proposals which shall be site checked before fabrication
- 12. All ductwork, fittings and supports shall be to the requirements of DW144 - HVAC
- 13. Flexible ductwork Low pressure flexible ductwork shall only be used for a maximum of
- 14. Manually operated volume control dampers shall be supplied and installed in the locations indicated opposite and shall be of the opposed blade type for rectangular ductwork and butterfly type for circular ductwork. All dampers shall be complete with an approved locking device adjustment positions of open - half -

where thermal, insulation occurs the dampers shall have extended shafts and mounting lugs in the quadrant and sheet metal stools to make the control flush with the insulation.

All supply air ventilation ductwork shall be insulated and provided with service Identification labeling to DW144 at sufficient locations to ensure no confusion of services.

C4	Relocation of AHU to floor	RT	sw	CR
C3	Relocation of AHU to flat roof	RT	SW	CR
C2	Alteration to supply AHU location and termination changes	RT	SW	CR
C1	Contract Issue	RT	sw	CR
T1	Tender Issue	RT	sw	CR
Ver.	Details	Author & Date	Checked & Date	Approv'd & Date
	align	ROPE	RTY ERS	
Mo	unt View, Standard Way, Northa	llerton. I	North Yorl	shire.

Roof Refurbishment and Extension Mechanical Building Services - Proposed Roof

and Roof Space Services Contract

Proposed Fan and AHU

Elevations - Scale 1:20

1:100, 200 & 50 RT Sept 2022 BC2147-APP-XX-XX-DR-M-602 C4