

NOTES. 1. ALL DIMENSIONS IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE. 2. ALL LEVELS ARE IN METRES (m) ABOVE ORDNANCE 3 THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH THE GENERAL ARRANGEMENT DRAWING.

Shotton Community Centre

Details

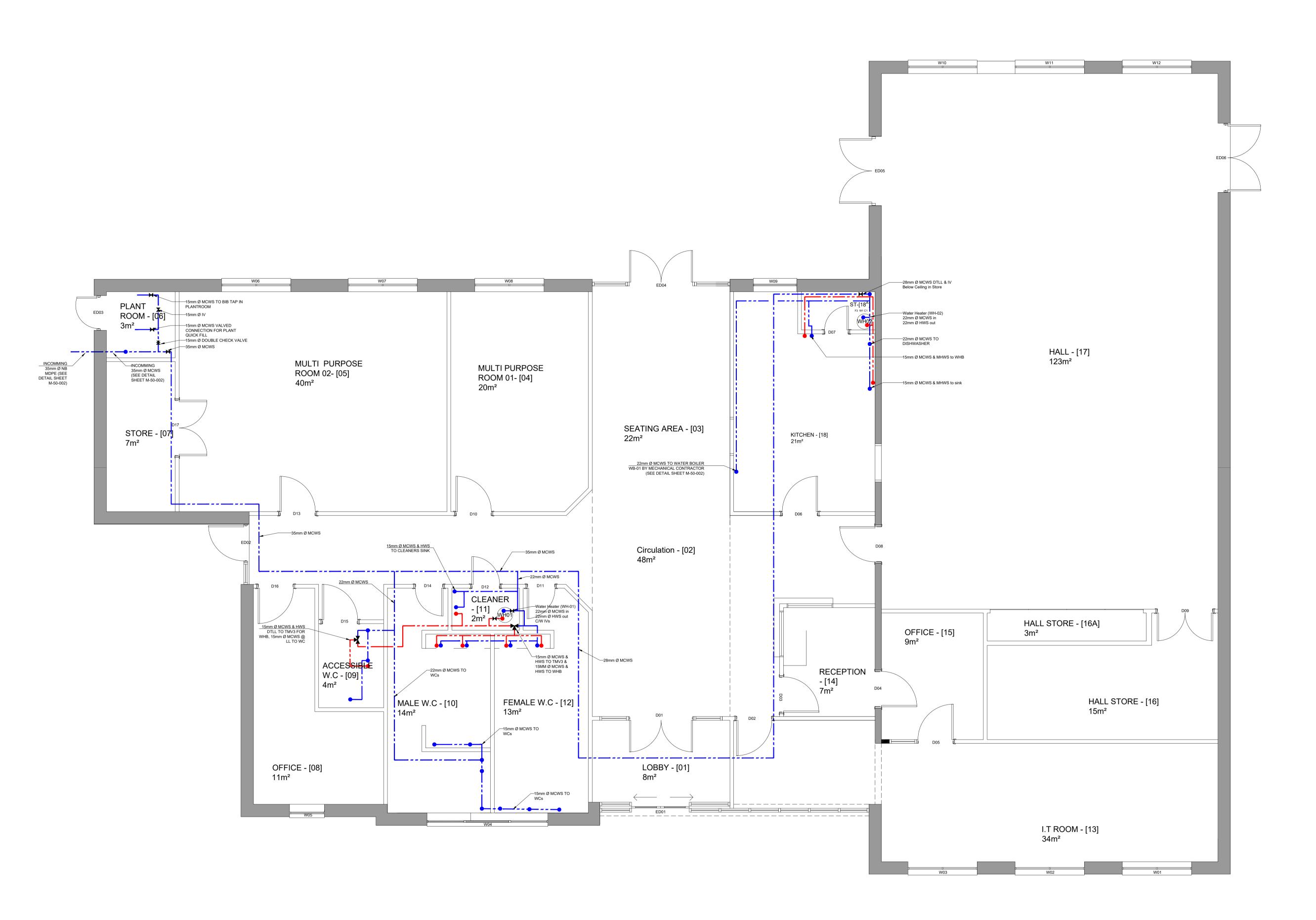
LTHW SCHEMATIC

Shotton Parish Council

STATUS: Tender	
Design: MRD	CAD: WS
Chk'd: CW	App'd: MRD
Date: Aug 18	Scale: NTO



Project no: Drg no: LTHW 1442



NOTES.

1. ALL DIMENSIONS IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.

2. ALL LEVELS ARE IN METRES (m) ABOVE ORDNANCE

THE GENERAL ARRANGEMENT DRAWING.

DATUM. 3 THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH

Т	05-02-19	Issue for Tender	MD
Rev.	Date	Details	Арр

PROJECT TITLE:

Shotton Community Centre

DRAWING TITLE:

Proposed Domestic

Water Services

CLIENT:

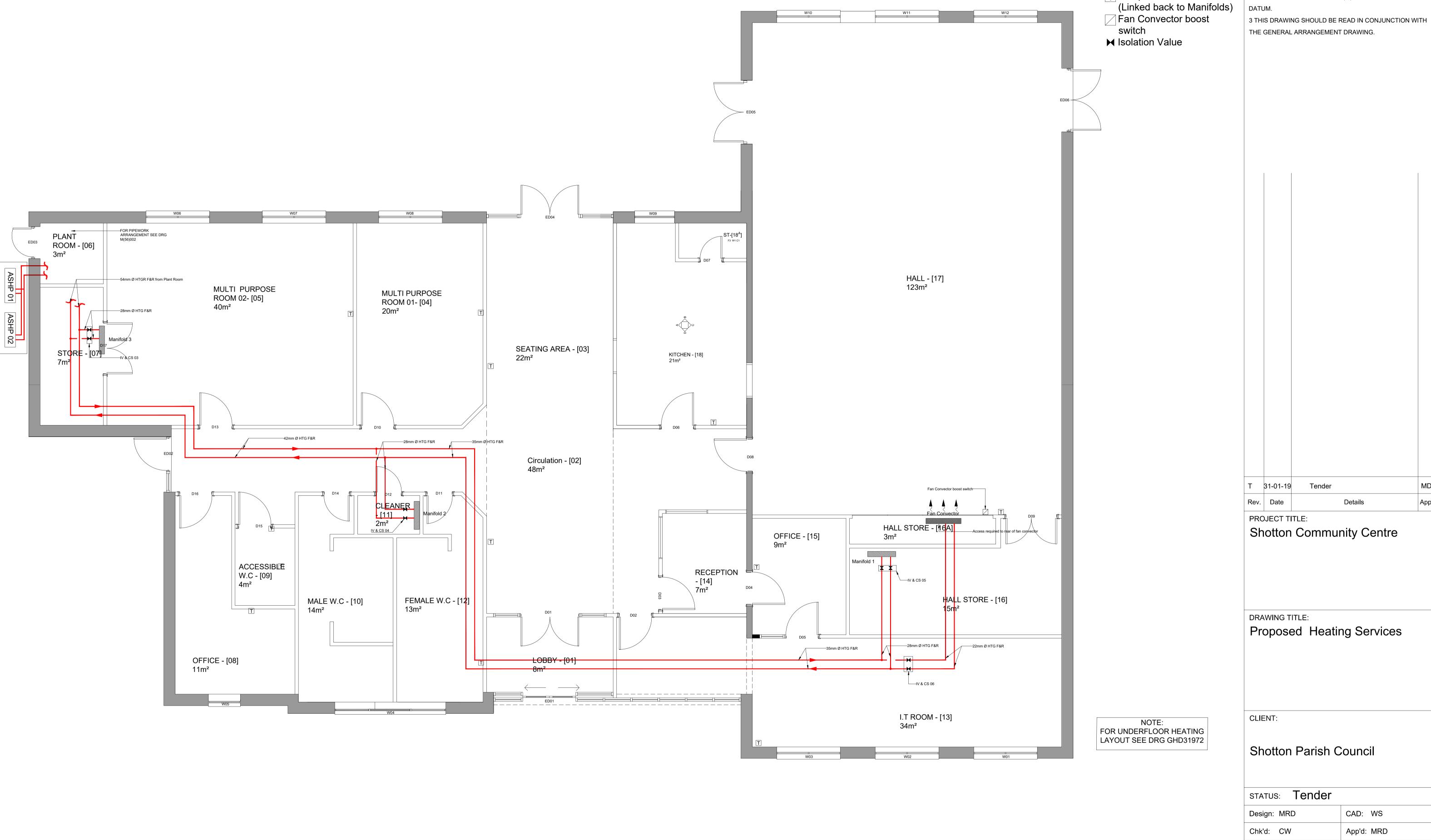
Shotton Parish Council

STATUS: TENDER	2
Design: MRD	CAD: WS
Chk'd: CW	App'd: MRD
Date: Aug 18	Scale: 1:50 @A1



Bridge End, Hexham, Northumberland, NE46 4DQ

Project no: Drg no: 1442 M(53)001



1. ALL DIMENSIONS IN MILLIMETRES (mm) UNLESS NOTED

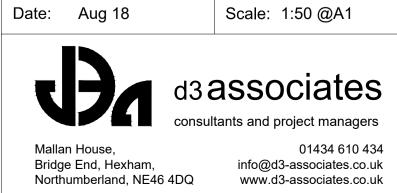
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NOTES.

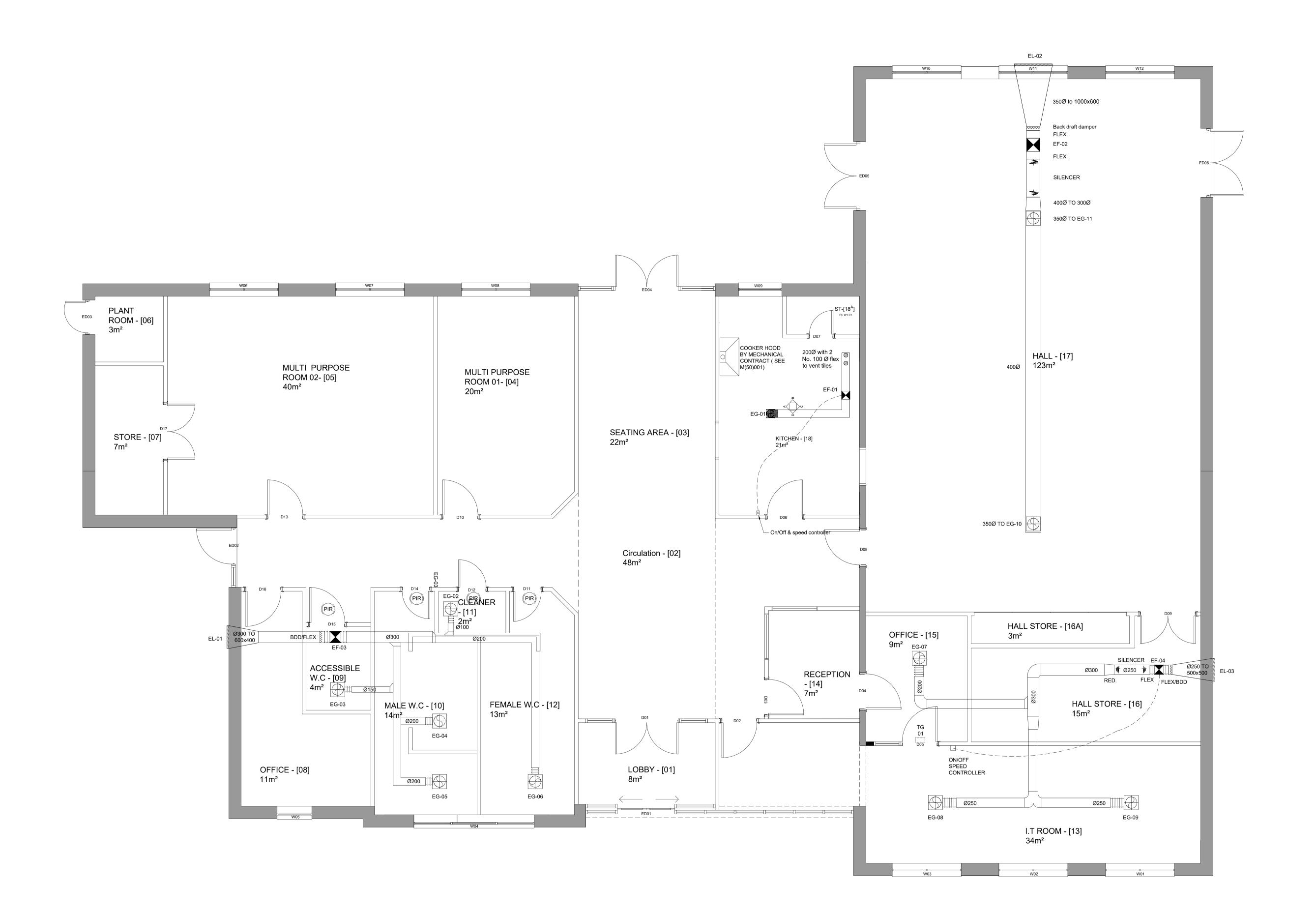
KEY:

T Temperature Sensor

2. ALL LEVELS ARE IN METRES (m) ABOVE ORDNANCE



Project no: Drg no: 1442 M(56)001



NOTES.

ALL DIMENSIONS IN MILLIMETRES (mm) UNLESS NOTED
 OTHERWISE.

2. ALL LEVELS ARE IN METRES (m) ABOVE ORDNANCE DATUM.

3 THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH THE GENERAL ARRANGEMENT DRAWING.

T 31-01-19 Tender Issue M
Rev. Date Details Ap
PROJECT TITLE:
Shotton Community Centre

Shotton Parish Council

Proposed Mechanical

Ventilations Services

DRAWING TITLE:

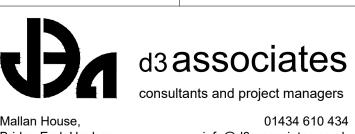
CLIENT:

STATUS: TENDER

Design: MRD CAD: WS

Chk'd: CW App'd: MRD

Date: Aug 18 Scale: 1:50 @A1

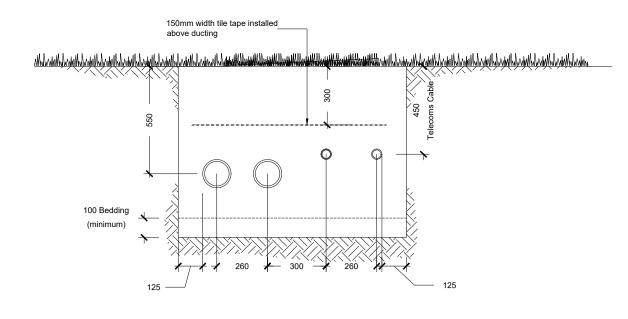


Mallan House,
Bridge End, Hexham,
Northumberland, NE46 4DQ

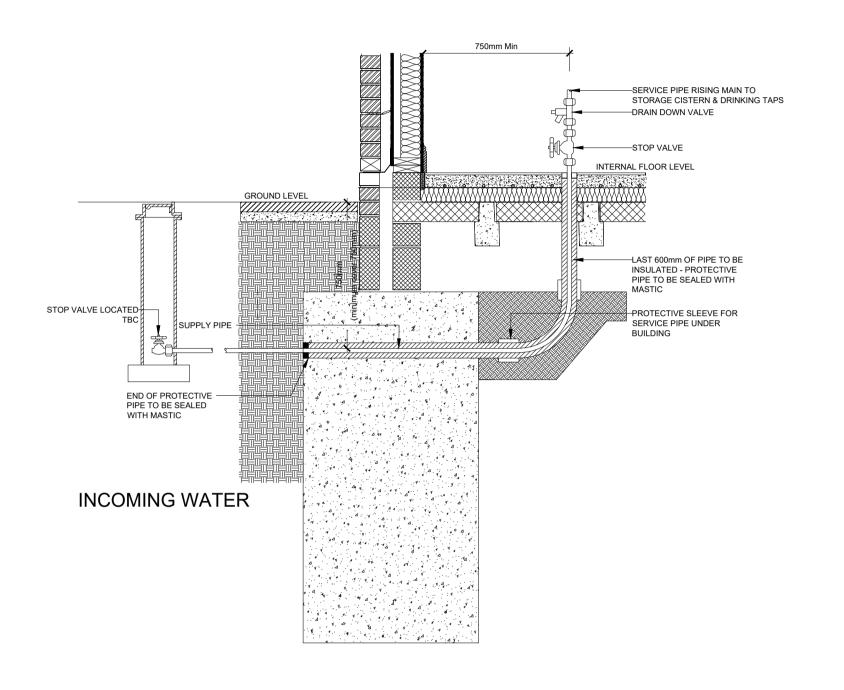
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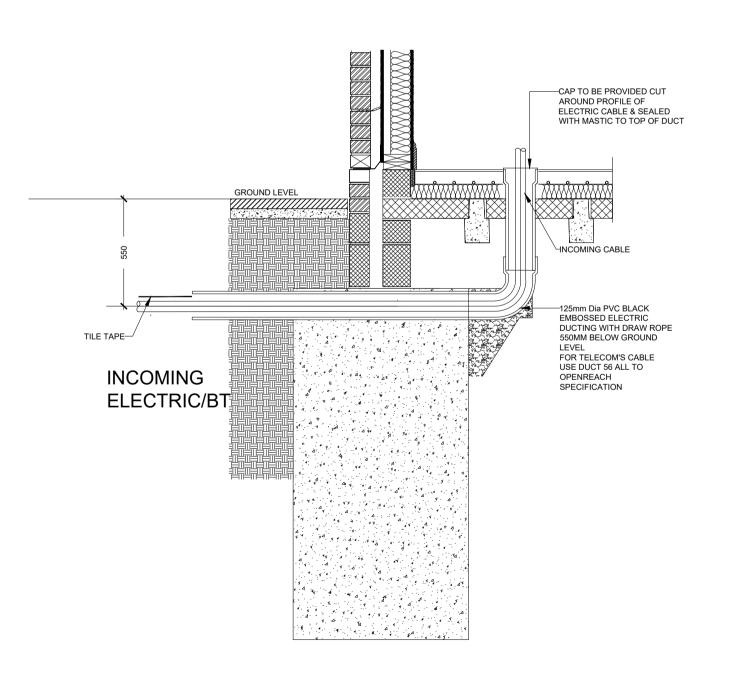
O1434 610 434
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Rev:

1442 M(57)001



UNDERGROUND SERVICES TRENCH





AIR SOURCE HEAT PUMP SCHEDULE							
REF MODEL CAPACITY POWER							
ASHP-01	PUHZ-HW140YHA2	14 kW	TP&N 5.1A (NOM) 13A (MAX)				
ASHP-02	PUHZ-HW140YHA2	14 kW	TP&N 5.1A (NOM) 13A (MAX)				

Note:

- 1. To be read in conjunction with specification for ancillaries.
- 2. Heat Pumps shall be supplied, installed and commissioned by ACROL Air Conditioning Co Ltd, Saltmeadows Road, Gateshead, Tyne and Wear, NE8 3AH.

	DOMESTIC HOT WATER HEATERS and WATER BOILER							
REF	REF CAPACITY MANUFACTURER MODEL POWER							
WH-01	30L	Heatrea	Multi-point	SP&N 3 kW				
WH-02	30L	Heatrea	Multi-point	SP&N 3 kW				
WB-01	20L	BURCO	SKU:444442470	SP&N 2.8 kW				

Notes:

Each Water Heater to be wall mounted with suitable brackets and fitted with un-vented kit as supplied by manufacturer.

			EXTRACT FAN	SCHEDULE		
REF	TYPE	MODEL	FLOW	PRESSURE	ELECTRICAL	ANCILLARIES
			RATE	DROP	POWER	AND CONTROL
EF-01 Kitchen	Mixed Flow - In Line	SEM150-1EC	60 I/s	85 Pa	SP&N 0.3 A @ max Speed	EC speed controller 149- POT-10 Wiring by Electrical Contractor. c/w AV mounts
EF-02	Mixed	SEM355-1EC	440 1/2 @	200 Pa	SP&N 1.61 A	
Main Hall	Flow - In Line	SEM355-IEC	440 I/s @ Speed 4		@ max Speed	EC speed controller 149-POT-10 Wiring by Electrical Contractor. c/w Back draft damper. AV mounts. Flexible connections. 600 long Silencer
EF-03	Twin	SQT-315-	0.215 l/s	175 Pa	SP&N 1.89 A	149-ACO14E
WC's	Cabinet Fan	1ECL	@ Speed 4		@ max Speed	C/W 4 no PIR's, AV mounts, auto change over, Power and Control Wiring from BMS panel.
EF-04	Mixed	SEM250-1EC	355 l/s @	200 Pa	SP&N 1.61 A	EC speed
IT Room	Flow - In Line		Speed 4		@ max Speed	controller 149-POT-10 Wiring by Electrical Contractor. c/w Back draft damper. AV mounts. Flexible connections. 600 long Silencer

Notes:

Contractor to include all necessary mounting rail and drop rods from structure. All fans manufactured by Elta Fans or equal and approved.

REF	LOCATION	NECK SIZE	TYPE	FLOW	STYLE	PLENUM	SPIGOT
	LOCATION	NECK SIZE		RATE	31122	LEINOIN	DIA
EG-01	Kitchen	200 mm dia	GXF	60 l/s	Air Valve with Fire Damper	n/a	n/a
EG-02	Cleaners	100 mm dia	GXD	15 l/s	Air Valve	n/a	n/a
EG-03	Accessible WC	150 mm dia	GXD	25 l/s	Air Valve	n/a	n/a
EG-04	Male WC	200 mm dia	GXD	50 l/s	Air Valve	n/a	n/a
EG-05	Male WC	200 mm dia	GXD	50 l/s	Air Valve	n/a	n/a
EG-06	Female WC	200 mm dia	GXD	75 l/s	Air Valve	n/a	n/a
EG-07	Office	200 mm x 200 mm	GECA/DO	75 l/s	Egg Crate	Yes c/w VCD	250 mm
EG-08	IT Room	250 mm x 250 mm	GECA/DO	140 l/s	Egg Crate	Yes c/w VCD	250 mm
EG-09	IT Room	250 mm x 250 mm	GECA/DO	140 l/s	Egg Crate	Yes c/w VCD	250 mm
EG-10	Hall	350 mm x 350 mm	GECA/DO	300 l/s	Egg Crate	Yes c/w VCD	350 mm
EG-11	Hall	350 mm x 350 mm	GECA/DO	300 l/s	Egg Crate	Yes c/w VCD	350 mm
TG-01	Office D05	300 mm x 300 mm	NV3	75 l/s	Vision Proof Door Transfer Grille	n/a	n/a

Notes:

All grilles and diffusers to have PPC white RAL 9010 20% gloss finish as manufactured by Gilberts of Blackpool or equal and approved.

COOKER EXTRACT HOOD							
REF	MODEL	DIMENSIONS	FLOW RATE	POWER			
CH-01	F100.2SS	1000 wide x 500 deep	408.93 m ³ /h	SP&N 40W			

Notes:

Extract hood shall be the re-circulating type complete with two sets of Carbon filters, one installed and one spare for user.

	LOUVRE SCHEDULE							
REF	MODEL	DESIGNATION	SIZE W X H	FLOW	PRESSURE	ANCILLARIES		
				RATE	DROP			
EL-01	WGF-38	Exhaust	600mm x	215 l/s	12 Pa	c/w Bird Guard		
			400mm					
EL-02	WGF-38	Exhaust	1000mm x	600 l/s	11 Pa	c/w Bird Guard		
			600mm					
EL-03	WGF-38	Exhaust	500mm x	355 l/s	18 Pa	c/w Bird Guard		
			500mm					

Note:

Louvre Finish shall be Polyester Powder Coating in RAL 8012 (Red Brown) Colour provisionally. Contractor to confirm colour with Architect before ordering. All louvres manufactured by Gilberts of Blackpool or equal and approved

	LOW TEMPERATURE FAN CONVECTOR							
REF	MODEL	HEAT OUTPUT @ 45°C	POWER	CONTROL				
		FLOW, 40°C RETURN	EC MOTOR					
		WITH ENHANCED COIL						
FC-01	Belgravia Classic 150 -	6 kW (Nom)	SP&N	Power and				
	Style K with enhanced		58W @ Medium	Control by BMS,				
	coil.		Speed	incorporating				
				Room Mounted				
				Temperature				
				Sensor and Wall				
				Mounted Time				
				Extension Boost				
				Facility. See BMS				

- 1. Unit to have two grille spigots protruding through the wall, with loose grilles assembly LGA provided by manufacturer and mounted on wall.
- 2. Unit to be suspended on drop rods from trusses, include for all necessary rail, fixings, and anti-vibration mounts.
- 3. Unit to be manufactured by S&P Coil Products Ltd or equal and approved.

		LTHW PU	JMP SCHEDULE		
REF	TYPE	FLOW RATE	PRESSURE DROP	MODEL	POWER AND CONTROL
P-01A and B	Duplex duty and standby	6.5 M³/Hr	95 kpa	Stratos –D 40/120	SP&N 550w. c/w IF module. Power and Control from BMS.

Notes:

- 1. Speed control for pump is for commissioning purposes only
- 2. Pump as Manufactured by WILO PUMPS or equal and approved.

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NOTES.

OTHERWISE.

SHOTTON COMMUNITY CENTRE

DRAWING TITLE:

STANDARD DETAILS

CLIENT:

SHOTTON PARISH COUNCIL

STATUS: TENDER CAD: EMN Design: -Chk'd: CJW App'd: BM Scale: NTS @A1 Date: JAN 19



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d3 associates

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Northumberland, NE46 4DQ www.d3-associates.co.uk Project no:

1442-M-50-002

