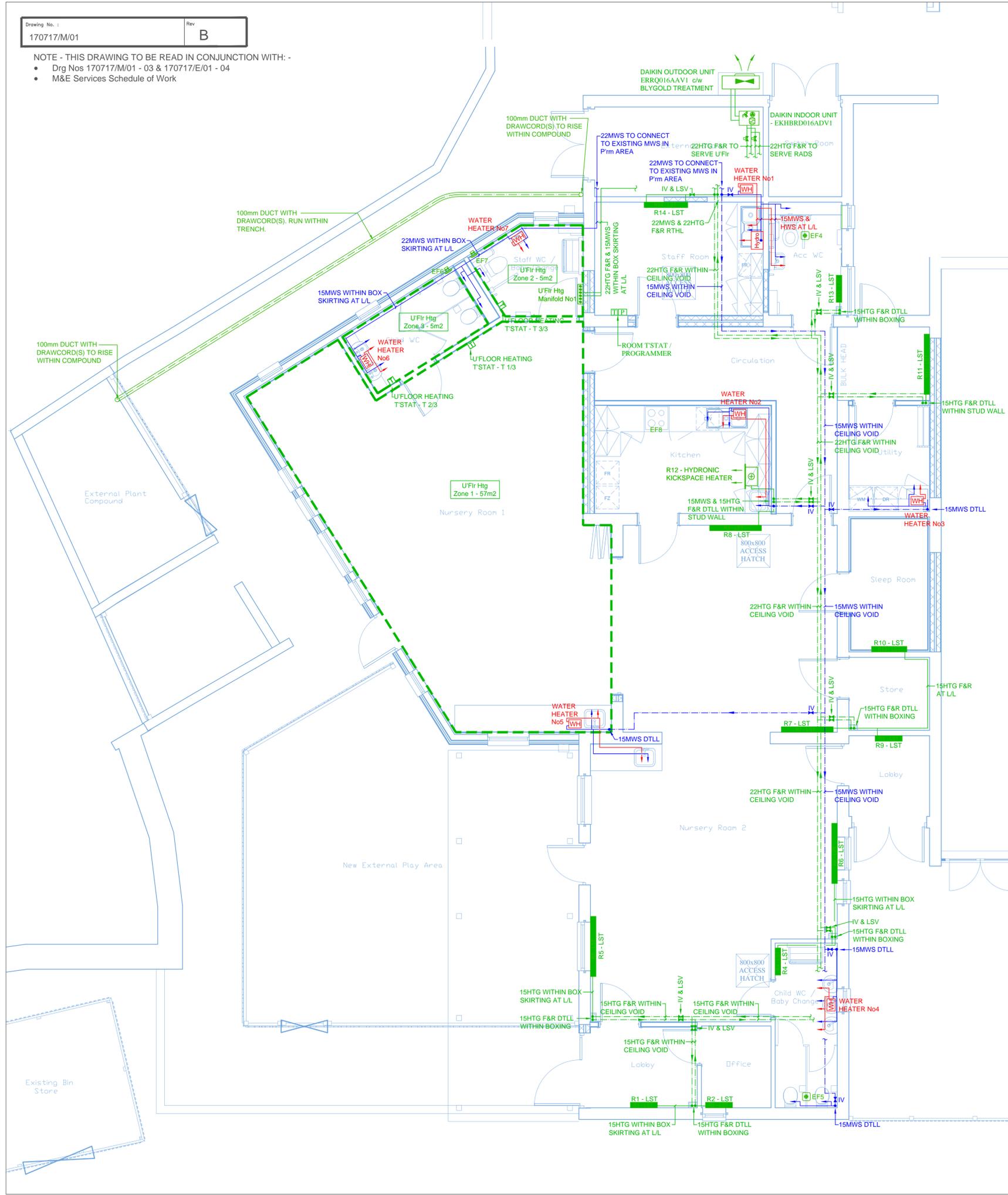
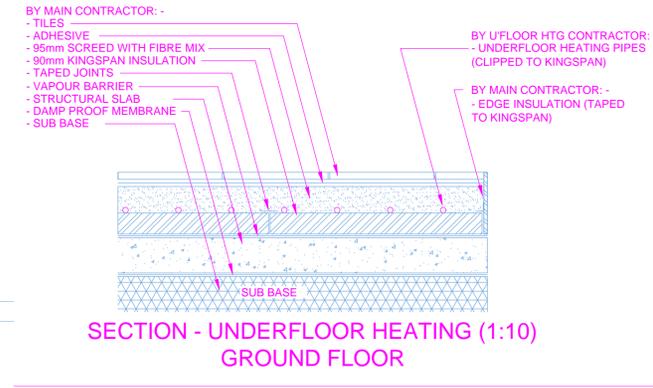


NOTE - THIS DRAWING TO BE READ IN CONJUNCTION WITH:-
 • Drg Nos 170717/M/01 - 03 & 170717/E/01 - 04
 • M&E Services Schedule of Work



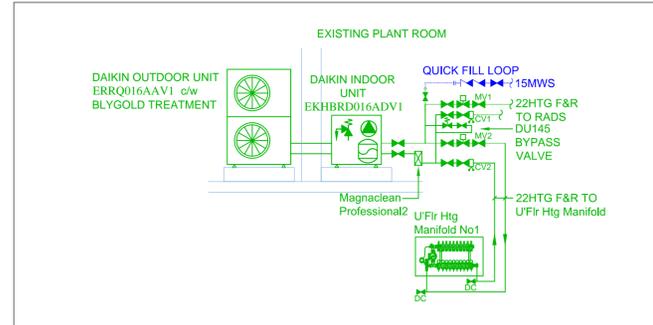
UNDERFLOOR HEATING NOTES

DUE ALLOWANCE TO BE MADE FOR MOVEMENT JOINTS
 WITHIN SCREED / PERIMETERS - REFER 'Screeds within
 Underfloor Heating, Guidance for a Defect Free Interface - Edited by
 Roderick Bunn & Dick Roberts'
 PIPEWORK CENTRES NOT TO EXCEED 200mm.



LEGEND

- HWS HOT WATER SERVICE
 - HWSR HOT WATER SERVICE RETURN
 - MWS MAINS WATER SERVICE
 - CWS COLD WATER SERVICE (TANK)
 - HTGF HEATING FLOW
 - HTGR HEATING RETURN
 - ISOLATING VALVE
 - LOCK SHIELD VALVE
 - LOCK SHIELD VALVE (NORMALLY OPEN)
 - COMMISSIONING VALVE
 - DOUBLE REGULATING VALVE
 - CHECK VALVE
 - DOUBLE CHECK VALVE
 - SAFETY VALVE / COMBINED PRESS. & TEMP. RELIEF VALVE
 - PRESSURE REDUCING VALVE
 - MOTORISED 3 PORT VALVE
 - MOTORISED 2 PORT VALVE
 - MANUALLY ADJUSTABLE 3 PORT VALVE / THERMOSTATIC MIXING VALVE
 - AUTOMATIC AIR VENT
 - PUMP
 - BINDER TYPE TEST POINT
 - IMMERSION SENSOR
- PIPEWORK BELOW GROUND (CONCEALED)
 - - - PIPEWORK AT LOW LEVEL
 - - - PIPEWORK AT HIGH LEVEL
 - - - PIPEWORK AT HIGH LEVEL (CONCEALED) / ROOF VOID
- Hydro Zip Hydrocoil Plus HP103, 3L, 1.5kW Stainless Steel LOCATED ABOVE WORKTOP
- WH WATER HEATERS (1-7) TO BE TYPE HEATRAE SADIA UNVENTED HOTFLO 10 2.2kW WATER HEATER c/w: -
 - TEMPERATURE PRESSURE RELIEF VALVE (PACK U6)
 - BLENDING VALVE (PACK U3)



Carn Gwavel - Heat Loss 31/08/17

	Manufacturer	Height	Length	Type	Watts	C.F.	Output
R1	Stelrad LST	650	650	K2	478	0.748	358
R2	Stelrad LST	650	650	K2	478	0.748	358
R4	Stelrad LST	650	650	K2	478	0.748	358
R5	Stelrad LST	650	1450	K2	1434	0.748	1073
R6	Stelrad LST	650	1450	K2	1434	0.748	1073
R7	Stelrad LST	650	1250	K2	1195	0.748	894
R8	Stelrad LST	650	1250	K2	1195	0.748	894
R9	Stelrad LST	650	650	K2	478	0.748	358
R10	Stelrad LST	650	850	K2	717	0.748	536
R11	Stelrad LST	650	1450	K2	1434	0.748	1073
R12	Myson	-	-	Kickspace 800	800	0.748	598
R13	Stelrad LST	650	650	K2	478	0.748	358
R14	Stelrad LST	650	1050	K2	956	0.748	715
UFir 2	UFloor	-	-	-	-	-	248
UFir 3	UFloor	-	-	-	-	-	354
UFir 1	UFloor	-	-	-	-	-	4092
							13336.64

NOTES
 1.0 ALL STELRAD RADIATORS TO BE LST I Plus RADIATORS C/W FACTORY FITTED TOP GRILLES AND END PANELS.
 2.0 ALL RADIATORS TO BE C/W TRVs (FLOW) AND LSV's (RETURN).
 3.0 MYSON HYDRONIC KICKSPACE 800 TO BE c/w S/S FINISH

REVISIONS
 (A) 20/10/17 TENDER
 (B) 31/10/17 ARCHITECTS COMMENTS INC.

TENDER

PROJECT: REFURBISHMENT OF CARN GWAVEL PRIMARY SCHOOL ISLES OF SCILLY

CLIENT: COUNCIL FOR THE ISLES OF SCILLY

DRAWING TITLE: Mechanical & Electrical Services Heating & Domestic Water Layout

SJH Design Services Ltd
 Pentidna Barn, Prosper Hill Gwithian, Hayle, TR27 5EB
 Tel: 01736 757624 / Email: Stephen@sjhdesign.biz

Date: 17/07/17 Designed by: SJH
 Scale: 1:50 / AS SHOWN Approved by: SJH

Drawing No.: 170717/M/01 Rev: B