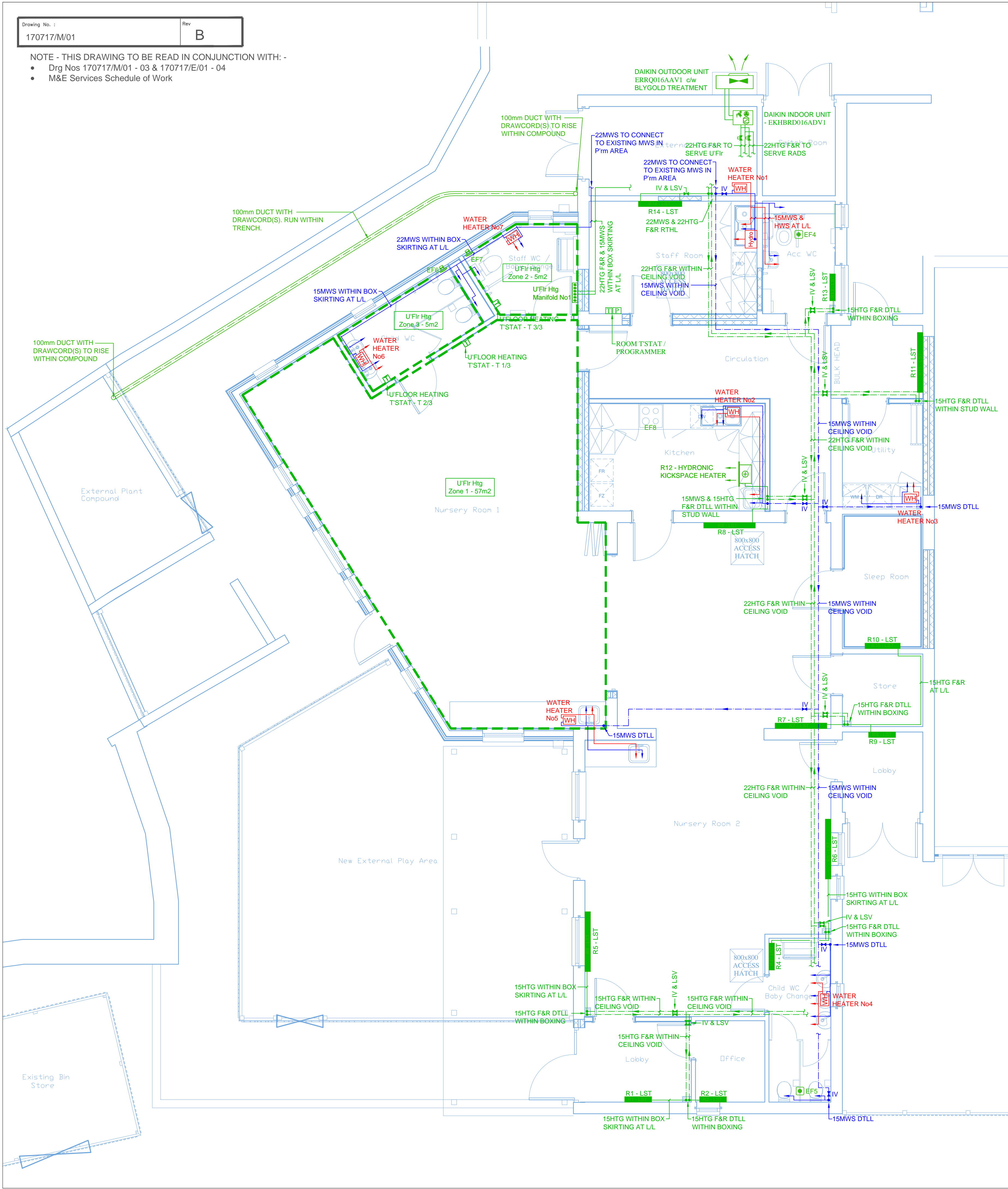


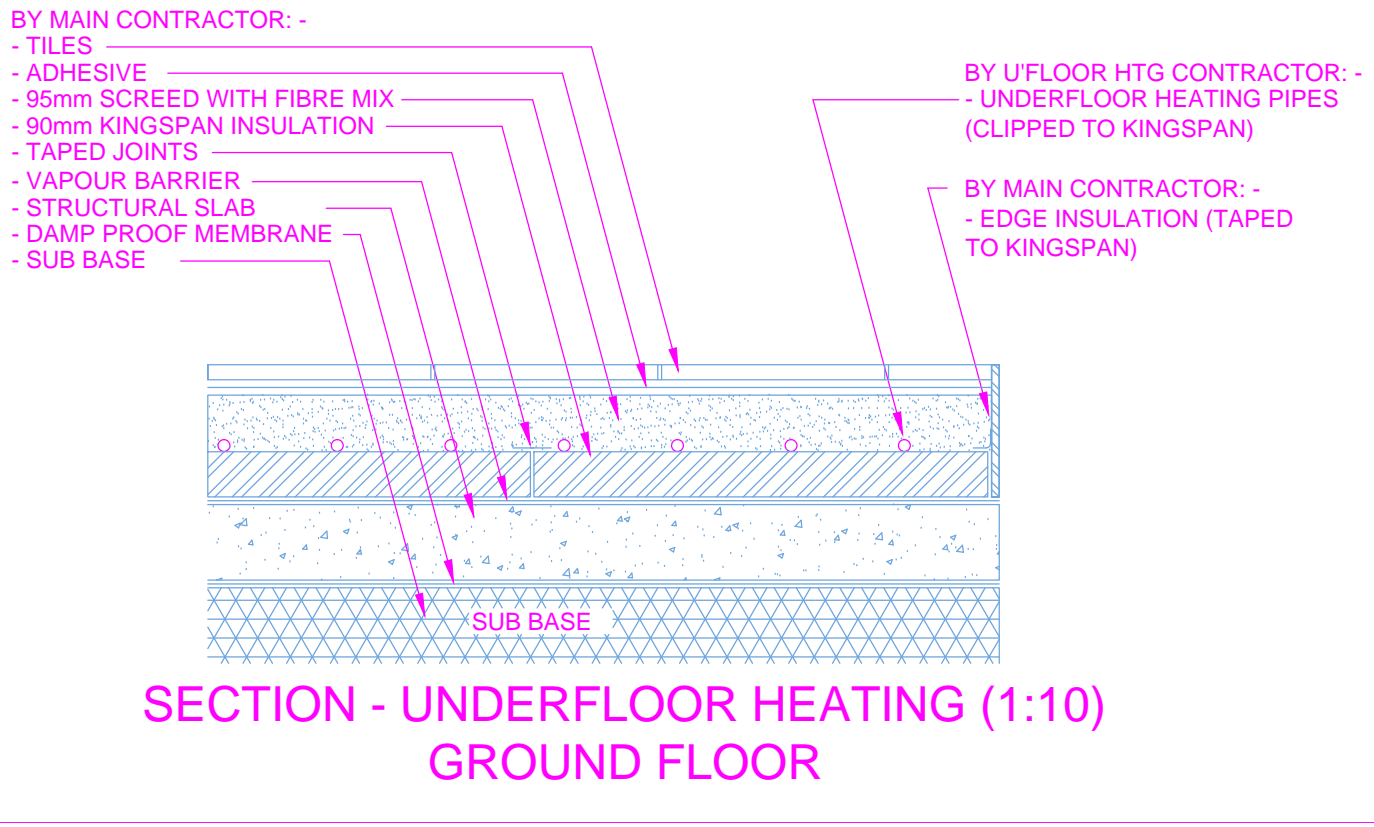
NOTE - THIS DRAWING TO BE READ IN CONJUNCTION WITH:-

- Drg Nos 170717/M/01 - 03 & 170717/E/01 - 04
- M&E Services Schedule of Work



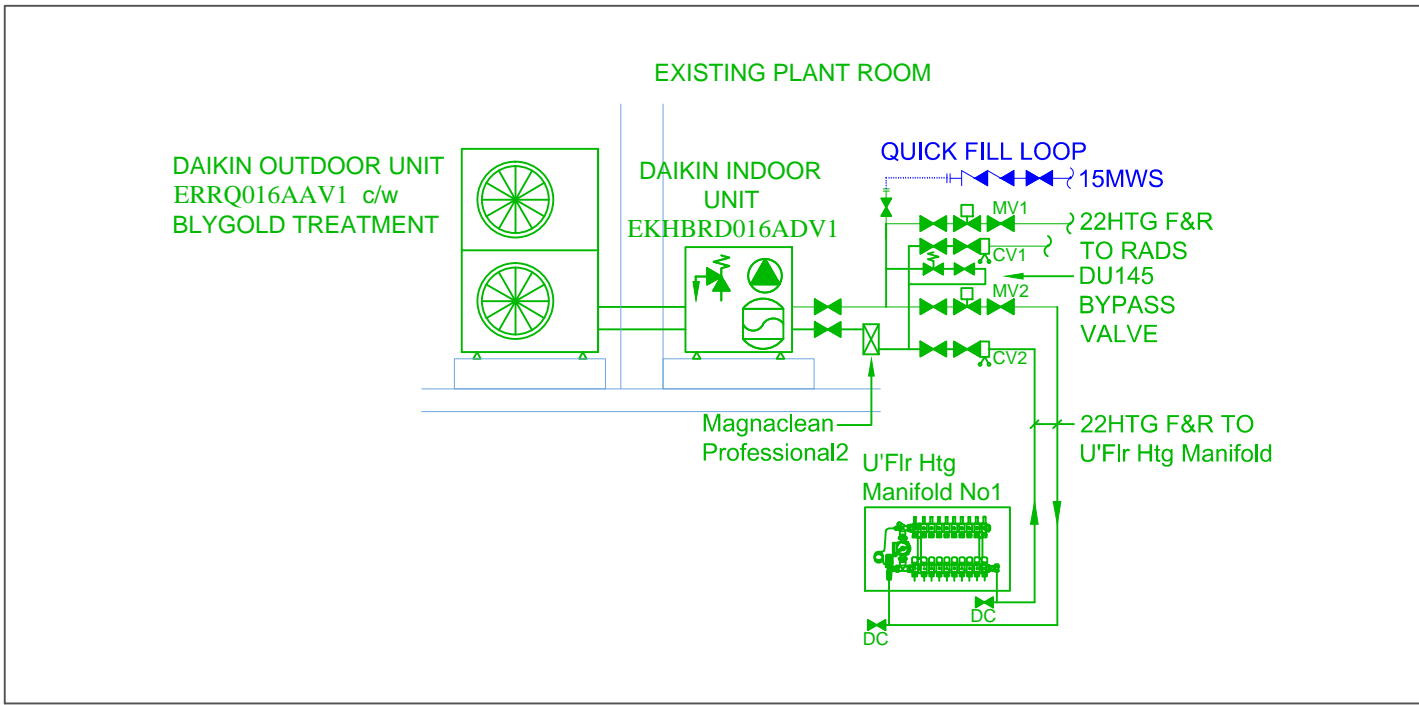
UNDERFLOOR HEATING NOTES

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 |
| IV | ISOLATING VALVE |
| LSV | LOCK SHIELD VALVE |
| LSV(NO) | LOCK SHIELD VALVE (NORMALLY OPEN) |
| CV | COMMISSIONING VALVE |
| DRV | DOUBLE REGULATING VALVE |
| CV1 | CHECK VALVE |
| DCV | DOUBLE CHECK VALVE |
| SV | SAFETY VALVE / COMBINED PRESS. & TEMP. RELIEF VALVE |
| PRV | PRESSURE REDUCING VALVE |
| MPV | MOTORISED 3 PORT VALVE |
| MAV | MOTORISED 2 PORT VALVE |
| MAV3 | MANUALLY ADJUSTABLE 3 PORT VALVE / THERMOSTATIC MIXING VALVE |
| AAV | AUTOMATIC AIR VENT |
| P | PUMP |
| BT | BINDER TYPE TEST POINT |
| IS | IMMERSION SENSOR |
- PIPEWORK BELOW GROUND (CONCEALED)
- PIPEWORK AT LOW LEVEL
- PIPEWORK AT HIGH LEVEL
- PIPEWORK AT HIGH LEVEL (CONCEALED) / ROOF VOID
- Hydro Zip Hydroboil 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 Gwael - Heat Loss							31/08/17	
		Manufacturer	Height	Length	Type	Watts	C.F.	Output
R1	Lobby	Stelrad LST	650	650	K2	478	0.748	358
R2	Office	Stelrad LST	650	650	K2	478	0.748	358
R4	Child WC	Stelrad LST	650	650	K2	478	0.748	358
R5	Nursury Rm.2	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	Lobby	Stelrad LST	650	650	K2	478	0.748	358
R10	Store	Stelrad LST	650	850	K2	717	0.748	536
R11	Sleep Room	Stelrad LST	650	1450	K2	1434	0.748	1073
R12	Circulation	Stelrad LST	650	1450	K2	1434	0.748	1073
R13	Kitchen	Myson	-	-	Kickspace 800	800	0.748	598
R14	Acc WC	Stelrad LST	650	650	K2	478	0.748	358
U'Flr 2	Staff Rm	Stelrad LST	650	1050	K2	956	0.748	715
U'Flr 3	Child WC	UFloor	-	-	-	-	-	248
U'Flr 1	Nursury Rm 1	UFloor	-	-	-	-	-	354
								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 TRV's (FLOW) AND LSV's (RETURN).

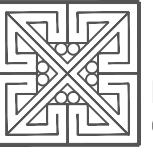
3.0 MYSON HYDRONIC KICKSPACE 800 TO BE c/w S/S FINISH

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