



**ENGINEERING NOTES**

The domestic hot water supply has been designed as a single pipe system. No return pipes shall be fitted. All hot water service pipes shall be fitted with the energy efficient, self-regulating heating cables, nVent RAYCHEM HWAT R, as manufactured by nVent to maintain an adjustable temperature in the range 50-65C.

Termination of the self-regulating heating cables shall be with insulation displacement type connectors and gel type end seals, RAYCLIC, as manufactured by nVent.

The circuits shall be controlled via an energy saving, programmable controller, HWAT ECO, as manufactured by nVent, to provide adjustable temperatures in the range 50-65C.

The HWAT circuit shall be controlled and monitored via the multi circuit control panel, RAYCHEM SBS-XX-HV-ECO-10, by nVent, integrated with circuit protection. The HWAT cables shall be installed 'straight traces', insulated, tested and commissioned strictly in accordance with the HWAT design guide and preferably by a specialist installer named by nVent.

The cables shall be installed to within 1000 mm of each outlet or blending valve, or as close to the draw-off point as is reasonably practicable.

Insulation selection and thickness shall be in strict accordance with the HWAT design guide.

QTY	MATERIALS	
	PCN	ITEM
271M	498639-000	HWAT-M
1PC	035958-000	SBS-03-HV-ECO-10
10PC	441524-000	RAYCLIC-T-02
14PC	C77220-000	GT-66
91PC	938947-000	LAB-H01
3PC	235422-000	RAYCLIC-CE-02



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 Raychem-ES-CDE2686-HWATSchematicLayout-EN-1805

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			TEMPERATURE MAINT. DHWS	1
			DRAWN nell.murch CHECKED APPROVED	DATE 06/04/2010 DATE DATE N/A