

DETAILS OF EACH ROOM USED TO CALCULATE HEAT LOSS & CORRECT RADIATOR SIZING													Existing Radiators					
Name	Height	Width	Depth	Window area	Room Type	# External Walls	Below room	Above room	Wall type	Window type	Watts	BTU	Current Radiator Size	Type	#	Watts	BTU	
DETAILS OF EACH ROOM USED TO CALCULATE HEAT LOSS & CORRECT RADIATOR SIZING													Existing Radiators					
Name	Height	Width	Depth	Window area	Room Type	# External Walls	Below room	Above room	Wall type	Window type	Watts	BTU	Current Radiator Size	Type	#	Watts	BTU	
Lounge	2.4	3.238	4.564	4.24	Living	2	Solid Concrete	Heated room	Insulated Brick Cavity	PVCU D/G	1850	6317	600 x 600	11	1	600	2048	
													600 x 600	11	1	600	2048	
Bed1	2.4	3.29	4	1.495	Bedroom	2	Heated room	Pitch Roof 200mm Insul	Insulated Brick Cavity	PVCU D/G	839	2865	450 x 700	11	1	538	1836	
Lounge Total												1850	6317	Lounge Total		1200	4096	
Bed2	2.4	3.1	2.7	1.495	Bedroom	2	Heated room	Pitch Roof 200mm Insul	Insulated Brick Cavity	PVCU D/G	627	2141	450 x 600	11	1	461	1573	
Bed3	2.4	2.9	3.59	1.495	Bedroom	2	Heated room	Pitch Roof 200mm Insul	Insulated Brick Cavity	PVCU D/G	720	2485	450 x 600	11	1	461	1573	
Bed4	2.4	3.1	2.908	1.4835	Bedroom	2	Heated room	Pitch Roof 200mm Insul	Insulated Brick Cavity	PVCU D/G	655	2236	450 x 500	11	1	384	1311	
Ensuite	2.4	1.95	1.456	0.65	Bathroom	1	Heated room	Pitch Roof 200mm Insul	Insulated Brick Cavity	PVCU D/G	493	1683	600 x 500	11	1	500	1707	
Bathroom	2.4	2.09	1.71	0.568	Bathroom	1	Heated room	Pitch Roof 200mm Insul	Insulated Brick Cavity	PVCU D/G	562	1919	600 x 600	11	1	600	2048	
Landing	2.4	3.5	1.9	0	Landing	0	Heated room	Pitch Roof 200mm Insul	Insulated Brick Cavity	None	557	1902	600 x 400	11	1	400	1365	
Office	2.4	2.16	2.157	1.87	Study	2	Solid Concrete	Heated room	Insulated Brick Cavity	PVCU D/G	749	2557	300 x 1000	11	1	517	2765	
Utility	2.4	1.629	1.783	0.58	Utility	1	Solid Concrete	Heated room	Insulated Brick Cavity	PVCU D/G	422	1441	450 x 500	11	1	378	1290	
Hall (A)	2.4	1.93	4.9	1.99	Hall	1	Solid Concrete	Heated room	Insulated Brick Cavity	None	1038	3544						
Hall (B)	2.4	2.1	1.3	0	Hall	1	Solid Concrete	Heated room	Insulated Brick Cavity	None	359	1226						
(Hall split into 2 areas for ease of calculation) Hall Total												1397	4770	600 x 500	11	1	500	1707
Kitchen / Diner	2.4	2.813	6.818	4.29	Kitchen / Diner	3	Solid Concrete	Heated room	Insulated Brick Cavity	PVCU D/G	2446	8352	300 x 1500	22	1	1518	5181	
													Plinth Heater	-	1	1100	3753	
Kitchen Total												2446	8352	Kitchen Total		2618	8934	
											Watts	BTU				Watts	BTU	
										Total	13167	44985				Total	9757	34301