

Project: Apex Tower (example dwellings)

		R2	
		As R1 with changes to heating & HW	
		Block A	Block B
Average TER		26.45	27.45
Average DER		24.07	24.98
% improvement over Part L		9	9
Average TFEE		48.74	58.01
Average DFEE		47.85	54.96
% improvement over Part L		1.83	5.26
Building			
Air Tightness		5	5
U Values	Wall	0.24	0.24
	Roof	0.16	0.16
	Floor (exposed)	0.16	0.16
	Window (u-value)	1.5	1.5
	Window (g-value)	0.55	0.55
	Windows BFRC certified?	N	N
Thermal Mass		Low	Low
Thermal bridging	Accredited construction details implemented?	Y	Y
Ventilation	Whole House Vent?	Y	Y
	Vent details	NIBE F730	NIBE F730
	SFP/ HR Eff	K+2 - 0.64	K+2 - 0.64
	Approved installation?	Y	Y
	Duct Unsatulation?		
Cooling	Fixed cooling present?	N	N
Lighting	Number of fittings	TBC	TBC
	100% low energy?	Y	Y
Elec Tariff	Economy 7/ standard/ other?	Standard	Standard
Heating System 1	System type	Electric panel heaters	Electric panel heaters
	Make/Model		
	Efficiency		
	Emitter type		
	Controls	Programmer & appliance stat	Programmer & appliance stat
	Flue type		
	Percentage of Heat	100%	100%
Secondary Heating	Type		
	Efficiency		
	HETAS approved?		
DHW	Type	NIBE F730	NIBE F730
	Storage	180L	180L
	Standing heat loss (kWh/24hrs)	2.02	2.02
	Pipes Insulated		
	Control (cyl stat? time control?)		
Part G	Less than 125l/p/day?	Y	Y
Renewable Technology Detail	PV (kWh/yr)	7220	2499
	WWHR		
	FGHR		
	Wind		
	Solar Thermal		
RISK OF OVERHEATING	Does the development pass the SAP 'risk of overheating' analysis?	Y	Y