

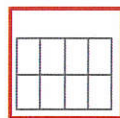
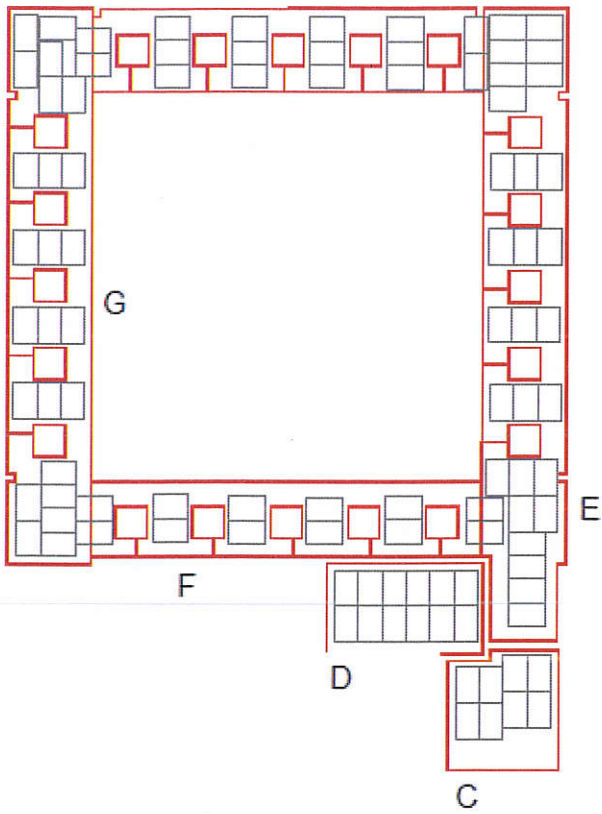
The estimated efficiency figure used in the adjacent calculations is a prediction based upon the best engineering judgement

Performance Table

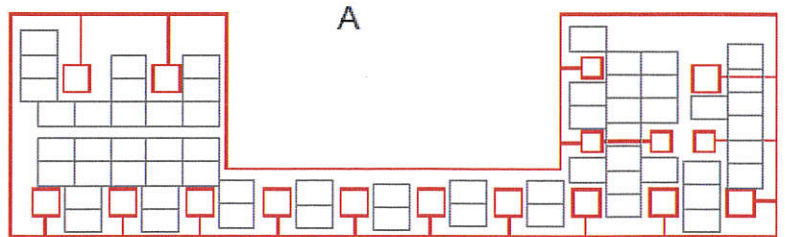
Existing Example System Performance Equates to	14 Panel	250 W/panel	Angle & Inclination	Optimal									
	3483 units in one calendar year												
	249 kWh per panel per annum												
Estimated Installed Cost per kWhP	1500 £												
Panel Performance used for model	250W												
Panel Size used for model	1.6 x 1.06												
	Roof Area	A	B	C	D	E	F	G	H	Exported Percentage	20 %		
	Likely No of Panels	61	8	8	12	30	10	26	14	Electricity Export Tariff	0.045 £/kWh		
Estimated eff compared to example		0.88	0.88	0.85	0.88	0.65	0.7	0.2	0.4	Electricity Import Tariff	0.086617 £/kWh		
Predicted Energy Yield		13355	1751	1692	2627	4851	1742	1294	1393 Kwh	FIT for 10-50kWp	0.1303 £/kWh		
FIT Yield		1740	228	220	342	632	227	169	182 £/annum	Total Installed Capacity	42.25 kWp		
Elec Import Displaced		925	121	117	182	336	121	90	97 £/annum	Yield Sum	28705 kWh p A		
Elec Exported		120	16	15	24	44	16	12	13 £/annum	Income Sum	5988 £ p A		
Income Total pa		2786	365	353	548	1012	363	270	291 £/annum	Expenditure Sum	63375 £		
Cost Estimate		22875	3000	3000	4500	11250	3750	9750	5250 £				
Simple Initial ROI		12.1781	12.1781	11.7629	12.1781	8.9952	9.6871	2.7677	5.5355 %				

# Possible Panel Layout

H



B



A