15 Fowey Close, Shoreham by Sea **Roof Volume Calculations** Feb-13

		sq m	cu m
1 New Side Gable			
Area	8.1/2 x 3.05	12.35	
Volume	12.35 x 3.9/3		16.06
2 New Rear Gable - **Part A**			
Area	3.75/2 x 1.65	3.09	
Volume	3.17 x 2.27/3		2.34
Rear Gable - **Part B**			
Area	3.75/2 x 1.65	3.09	
Volume	3.09 x 1.79		5.54
Rear Gable - **Part C**			
Area	3.75 x 1.40	5.25	
Volume	5.25 x 1.79/2		4.70
Rear Gable - **Part D**			
Area	(B+C) 3.09 + 5.25	8.34	
Volume	8.34 x 2.25		18.77
	NEW VOLUME		**47.41**

		sq m	cu m
3 Extg Hipped Roof - **Part E**			
Area	3.85/2 x 1.40	2.70	
Volume	2.70 x 1.90/3		1.71
Extg Hipped Roof - **Part F**			
Area	3.85/2 x 1.40	2.70	
Volume	2.70 x 0.35		0.94
Extg Hipped Roof - **Part G**			
Plan Area	3.85 x 1.90	7.32	
Volume	7.32 x 1.40/3		3.41
	EXTG VOLUME		**6.06**

TOTAL INCREASE IN VOLUME

	cu m
New	47.41
less Extg	-6.06
	41.35

Less than 50cu m
therefore OK