

BUILDING COMPONENT ANALYSES	BCA №:07			SUBJECT: ROOF				NAME: CRISTINA MIRET ROMAN CLASS: CAHS72			
<p style="text-align: center;">GREEN ROOF</p> 	BR demand:			Date:				Remarks:			
	Fire	Sound	U-value	Appearance:			x	<p>GREEN ROOF</p> <p>+ ADVANTAGES:</p> <ul style="list-style-type: none"> • Green roofs provide thermal insulation and therefore energy costs savings and consequent reduction in carbon dioxide production. • There is evidence that access to visual green space can have positive effects on health. <p>- DISADVANTAGES:</p> <ul style="list-style-type: none"> • The main disadvantage of green roofs is the higher initial cost. Depending on what kind of green roof it is, the maintenance costs could be higher, but some types of green roof have little or no on-going cost. 			
				Life expectancy:			x				
				Execution (of work):			x				
	Actual:			Operation & maintenance:			x				
				Price:		x					
				Environmental compatibility:			x				
	BR demand			Date:						Remarks:	
	Fire	Sound	U-value	Appearance:			x			<p>FLAT ROOF</p> <p>Flat roofs have some distinct advantages over their sloped counterparts.</p>	
				Life expectancy:			x				
			Execution (of work):			x					
Actual:											

OK

				Operation & maintenance:			x	<p>One of the most obvious advantages is that flat roofs are easier to climb up on and inspect. Although any excursion to the roof should be dealt with using care and caution, flat roofs offer significantly more stability and horizontal surface than sloped roofs do.</p> <p>Another benefit of flat roofs is that they are cheaper to re-coat and install than sloped roofs. However, this is a tricky point, because flat roofs need to be re-coated and sealed every few years to help them maintain their integrity and prevent leaks. If the roof is not properly cared for, there can be a need for replacement much sooner which would make a sloped roof actually more cost effective.</p> <p>Flat roof styles are typically seen in warmer weather climates, as most could not stand the weight of winter snow build-up.</p>
				Price:			x	
				Environmental compatibility:		x		

<p>PITCHED ROOF</p> 	BR demand							
	Fire	Sound	U-value	Date:				Remarks:
				Appearance:			x	<p>PITCHED ROOF</p> <p>The slope of a roof encourages water to flow off of the structure rather than gathering in a low spot and causing rot in the structure. A roof with little to no slope uses other methods to encourage proper drainage.</p> <p>Doesn't span much horizontal space, this is the single biggest disadvantage. And interior spaces are generally uncomfortable.</p>
				Life expectancy:			x	
				Execution (of work):		x		
	Actual:			Operation & maintenance:		x		
				Price:		x		