

Simplified Part O Calculation



Approved Document O - Simplified Method Report

Created in the Elmhurst Overheating tool - For use in England only

Building and Site Details

Residential building name/number	Flat 3
Street	3 Prospect Street
Town	Reading
County	
Postcode	RG4 8JB
Proposed building use/type of building	
Are there any security, noise or pollution issues?	
Site Details	Moderate risk location with no cross ventilation
Is this building high risk and shading strategy required?	No
Shading strategy included? (Give details)	

Results

	Target	Result	Pass/Fail?
Maximum area of glazing (%)	18	10.72	Pass
Maximum area of glazing in the most glazed room (%)	26	18.3	Pass
Total minimum free area as % floor area (m ²)	8.44	4.87	Fail
Total minimum free area % glazing area (m ²)	5.96	4.87	Fail
The greater of the minimum free area (floor area or glazing area) should pass - Highlighted yellow			
Bedroom 1 minimum free area (m ²)	0.38	1.35	Pass
Bedroom 2 minimum free area (m ²)	0.53	0.56	Pass
Bedroom 3 minimum free area (m ²)	0.00	0.00	N/A
Bedroom 4 minimum free area (m ²)	0.00	0.00	N/A
Bedroom 5 minimum free area (m ²)	0.00	0.00	N/A
Dwelling overall result	Fail		

Designer's declaration

Designer's name	Mohamed Egal
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Registration number (if applicable)	
Date of design	29/07/2024

