

# Building Regulations Part O 2021 (England), Simplified Method - Results

Plot reference: 0  
 Dwelling type: Detached



## Site data

Company: Alp Arikoglu  
 Site: Highfields  
 Is the site in a location where external noise may be an issue?: No  
 Is the site located near to significant local pollution sources?: No

## Home data

Location risk category: Moderate Risk  
 Shading provided?: None  
 Cross ventilation?: Yes  
 Total GIA of home (m<sup>2</sup>): 732.0 m<sup>2</sup>  
 Largest glazed façade orientation: North  
 Direction of house type plan 'clock face 6' on site wide plan: South

## Results

### Limiting solar gains:

	Designed Glazing Area	Design Glazing Percentage	Part O Maximum Glazing Area	Part O Maximum Percentage	Results
Total glazing area for home	59.10 m <sup>2</sup>	8.07 %	131.8 m <sup>2</sup>	18 %	✓
Glazing area for most glazed room: Living/Kitchen/Dining	17.22 m <sup>2</sup>	19.90 %	32.01 m <sup>2</sup>	37 %	✓
Shading	None		Not required		✓

### Removal of excess heat:

	Designed Opening Area	Designed Opening Percentage	Part O Minimum Equivalent Area	Part O Target	Results
Total equivalent area (% of floor area)	66.58 m <sup>2</sup>	9.1 %	65.88 m <sup>2</sup>	9 %	✓
Total equivalent area (% of glazed area)	66.58 m <sup>2</sup>	112.7 %	32.5 m <sup>2</sup>	55 %	✓
Bedroom 1 equivalent area	1.45 m <sup>2</sup>	5.81 %	1 m <sup>2</sup>	4 %	✓
Bedroom 2 equivalent area	1.71 m <sup>2</sup>	6.85 %	1 m <sup>2</sup>	4 %	✓
Bedroom 3 equivalent area	0.85 m <sup>2</sup>	4.41 %	0.77 m <sup>2</sup>	4 %	✓
Bedroom 4 equivalent area	1.71 m <sup>2</sup>	6.85 %	1 m <sup>2</sup>	4 %	✓