Plot at No. 9	Results	Target			
Plot at No. 9	Results	Target			
Plot at No. 9		Target			
Plot at No. 9		rarget	Result	Pass/Fail	
	Maximum Glazing Area must be less than	4.1679	3.8	PASS	
Park Hill	Maximum area of glazing in the most glazed room	4.1426	2.43	PASS	
Falmouth	Total Minimum Free Area (% of the floor area)	> 9%	18.31618	PASS	
Cornwall	Total Minimum Free Area (% of the glazing area)	> 55%	182.6316	PASS	
TR11 3QH	Bedroom Minimum Free Area	> 4%	See blow	PASS	
eet the simplified requiremen	nts for moderate risk with cross Ventilation?			PASS	
	Part O Simplified Method Overheating Asso	essor			
Residential dwelling Cornwall Moderate	Name Orginisation Email address	Energy Ac	cess	·	Ξ
Yes	Date of assessment	1st	March		2024
		not to be	used or repr	oduced without	1
	Falmouth Cornwall TR11 3QH eet the simplified requirement Residential dwelling Cornwall Moderate	Total Minimum Free Area (% of the floor area) Total Minimum Free Area (% of the glazing area) TR11 3QH Bedroom Minimum Free Area Bed 15.6004489 Part O Simplified Method Overheating Associated States of the glazing area) Part O Simplified Method Overheating Associated States of the glazing area) Residential dwelling Cornwall Moderate Name Orginisation Email address	Falmouth Cornwall Total Minimum Free Area (% of the floor area) Total Minimum Free Area (% of the glazing area) Total Minimum Free Area (% of the glazing area) Part O Simplified Method Overheating Assessor Part O Simplified Method Overheating Assessor Residential dwelling Cornwall Moderate Yes Name Orginisation Emergy Active Stuart The Orginisation Energy Active S	Falmouth Cornwall Total Minimum Free Area (% of the floor area) Total Minimum Free Area (% of the glazing area) Total Minimum Free Area (% of the glazing area) Bed 1 15.60044893 Part O Simplified Method Overheating Assessor Part O Simplified Method Overheating Assessor Residential dwelling Cornwall Moderate Yes Name Orginisation Email address Date of assessment Copyright Energy Access not to be used or repr	Falmouth Cornwall Total Minimum Free Area (% of the floor area) Total Minimum Free Area (% of the glazing area) Total Minimum Free Area (% of the glazing area) Bedroom Minimum Free Area Bed 1 15.60044893 PASS PASS Part O Simplified Method Overheating Assessor Residential dwelling Cornwall Moderate Name Orginisation Energy Access s.thomas@energyaccess.org.uk

			Glazing Perm (% Floor area	nitted Table 1.1	Area of glazing allowed on this project	
Floor Area of House	LGF	0	North	18		
	GF	26	East	18		
	FF	11.89	South	15		
	SF	0	West	11	11	
					11	
	Total	37.89				
Largest Glazed Façade -	-	permitte	ed 4.1679		Notes	
Elevation - Galzing m2	N	6.82	02			
	NE	6.82	.02 *take North as worse ca	se		
	E	6.82	02			
	SE	5.68	35 *take South as worse ca	se		
	S	5.68	35			
	SW	4.16	79 *take West as worse cas	se		
	W	4.16	79			
	NW	4.16	79 *take West as worse cas	se		
			0			
		0				

Maximum area of glazin	g in the mos	t glazed roo	m (%floor a	rea of room)			Area of glazing	,	
iviaxiiiiuiii area oi giaziii	g iii tile iilos	t glazeu 100	iii (7011001 a	%Glazing Per	mitted Tah	1 1 ما	on this project		
Most glazed room is	Liv Kit Din	18.83		North	37	1.1	on this project		
iviost glazea room is	LIV KIL DIII	10.03		East	37				
				South	30				
area of the room				West	22		22		
area or the room				vvcst	22		22		
	Total	18.83					22		
	. o car	20.00							
Largest Glazed Façade -	Proposed	Glazing	permitted	4.1426	_	Votes			
Elevation - Galzing m2	N		6.9671		c	pening siz	zh w	ā	irea
	NE		6.9671	*take North as worse ca	se v	W1	0.8	0.6	0.48
	E		6.9671		V	N2	0.8	0.6	0.48
	SE		5.649	*take South as worse ca	se V	N3	0.8	0.6	0.48
	S		5.649		V	N 4	1.1	0.9	0.99
	SW	2.43	4.1426	*take West as worse cas	e v	N 5	0	0	0
	W		4.1426						
	NW		4.1426	*take West as worse cas	e		tot	al	2.43
			2.43						
		2.43							

Approved Document Part O Sin	nplified overhea	ting Calculations	
Calculator 2a - Minimum free area for the whole dy	velling		
Free area or equivalent area of windows	6.94		
Floor area of Whole dwelling	37.89		
Glazing area of whole dwelling	3.8		
Free Area as a % of floor area	18.31618 %	target is > than 9% of the floor area	
Free Area as a % of the glazing area	182.6316 %	target is > than 55% of the glazed area	
Calculator 2b - Minimum free area for the bedroom	ns		
Bedroom 1			
Free area or equivalent area of windows for the bedroom	1.39		
Floor area of the bedroom	8.91		
% of floor area	15.60045		

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Whole	Dwelling Equiva	lent Free Area	a .	*assumed 50	mm frame ar	ound glazing				
	Window	Window	Window	Glazing*	Glazing*	Glazing	Opening	Equivilent Area	Structural	Structural
	Location	Reference	Orientation	Height	Width	Areas	Angle	(tables D1-D9)	Op Height	Op Width
1	Kit Liv Din		North West	0.8	0.6	0.48	90	1.77	2.1	0.9
2	Bathroom		North West	0.2	1	0.2	45	0.24	0.4	1.2
									Total area	0.68
3	Kit Liv Din		South West	0.8	0.6	0.48	90	1.77	2.1	0.9
4	Bedroom		South West	1	0.7	0.7	45	0.74	1.2	0.9
5	Bedroom		South West			0.47	90	0.65	1.18	0.66
									Total area	1.65
6	Kit Liv Din		Flat	1.1	0.9	0.99	0	0	1.2	1
									Total area	0.99
7	Kit Liv Din		South East	0.8	0.6	0.48	90	1.77	2.1	0.9
									Total area	0.48

3.8 6.94

Notes

RL

Approved Document Part O Simplified overheating Calculations Bedroom - Equivalent Free Area	
Podroom Faujualant Fran Araa	
Dedroom - Equivalent Free Area	
Window Window Glazing Glazing Opening Equiviler	nt Area
Reference Orientation Height Width Area Angle (tables I	D1-D9)
Bedroom 1	
1 South West 1 0.7 0.7 45	0.74
2 South West 0.47 90	0.65
3 4	
5	
1.17	1.39

The Equivalent Areas have also been Derived using Dr B Jones Window Discharge Coefficient calculator

The window discharge coefficient calculator was developed by Dr Benjamin Jones of Nottingham University.

And is a copy of the calculator found on the governement website here.