

FirstRate Report



Rating	5.0 stars	
	★ ★ ★ ★ ★	
Energy	Total	183.2 MJ/m2
	Heating	150.9 MJ/m2
	Cooling	32.3 MJ/m2
Area Corrected Energy	Total	145.8 MJ/m2
	Heating	120.1 MJ/m2
	Cooling	25.7 MJ/m2
Areas	NCFA	92.9 m2
	NUCFA	70.6 m2
Climate	21 Melbourne RO	
Site Exposure	suburban	
Client Name	Peter O'Reilly	
Rated Address	2 Sherwood Street Richmond 3121	
Accredited Rater	Tim Casdorff VIC/02/116	
Date	26/07/2010	
Reference	0803Sherw	
Comment		

This rating only applies to the floor plan, construction details, orientation and climate as submitted and included in the attached stamped plans.

Changes to any of these could affect the rating.

FirstRate Feature Report

Zones

Zone	Area (m ²)	Conditioning Type	Conditioned
Garage	29.3	garage	N
Living	49.4	living	Y
Kitchen	13.0	kitchen	Y
Laundry	3.9	otherDayCond	N
Powder	2.9	otherDayCond	N
Hallway	4.8	otherDayCond	N
Master Bed	17.0	bedroom	Y
Bedroom 2	13.9	bedroom	Y
Ensuite	5.3	otherNightCond	N
Study	9.5	otherNightCond	N
Bathroom	6.4	otherNightCond	N
Hall	11.1	otherNightCond	N

Walls

Type	Insulation	Num Foil Layers	Foil Type	Area (m ²)
SB: Single Brick	0.0	0	None	41.4
BV: Brick Veneer	2.5	1	DS	44.0
WB: Weatherboard	2.5	1	DS	112.6
MC: Metal Clad Framed	2.5	1	DS	20.2

Floors

Type	Insulation	Ventilation	Area (m ²)
CSOG: Slab on Ground	0.0	encl	102.8
Timber	0.0	elevated	63.3

Roofs/Ceilings

Type	Insulation	Area (m ²)
Flat - Flat Framed (Metal Deck)	0.0	29.3
Coil	2.5	64.2

Cell	3.5	64.2
Flat - Flat Framed (Metal Deck)	6.3	72.7

Windows

Type	U-Value	SHGC	Area (m ²)
Generic 01: Aluminium standard single-glazed: clear glass: U = 7.32: SHGC = 0.77	7.32	0.77	7.30
Generic 13: Aluminium standard double-glazed: clear/6 air gap/clear: U = 4.95: SHGC = 0.69	4.95	0.69	33.74

Window Directions

Direction	Area (m ²)
S	5.3
N	12.7
E	15.1
W	7.9

Air leakage

Item	Sealed	Unsealed
Chimneys	0	0
Exhaust Fans	4	1
Wall Vents		0
Down Lights		0
Unflued Gas Heaters		0

Zone Energy Loads

Zone	Heating (MJ/m ²)	Total Heating (MJ)	Cooling (MJ/m ²)	Total Cooling (MJ)
Bedroom 2	94.8	1322.4	20.3	282.8
Master Bed	156.6	2656.5	28.7	487.2
Living	184.3	9102.6	21.7	1072.7
Kitchen	71.9	935.2	88.5	1150.6

Client Details Report Details

Client's Name	Peter O'Reilly	Report Date
House Title	New Dwelling	Ref No
Street Address	2 Sherwood Street	Comment
Suburb	Richmond	Assessor's Name
Postcode	3121	Phone No
Phone No		Fax No
Fax No		
Council	City of Yarra	
Postal Address		
Postal Suburb		
Postal Postcode		
Additional Comments		

Level 1 zones

Name	Type	Ceiling Fans	Ceiling Fan		Chimneys Sealed	Chimneys Unsealed	Wall		Exhaust Fans Sealed	Exhaust Fans Unsealed	Vented Downlights Unsealed	Unflued Gas Heaters Unsealed
			Type	Heated			Cooled	Ceiling Vents Unsealed				
Garage	Garage	0	900 mm diameter	false	false	0	0	0	0	0	0	0
Living	Living	0	900 mm diameter	true	true	0	0	0	0	0	0	0
Kitchen	Kitchen	0	900 mm diameter	true	true	0	0	0	1	0	0	0
Laundry	Other (day cond)	0	900 mm diameter	false	false	0	0	0	1	0	0	0
Powder	Other (day cond)	0	900 mm diameter	false	false	0	0	0	1	0	0	0
Hallway	Other (day cond)	0	900 mm diameter	false	false	0	0	0	0	0	0	0

Level 2 zones

Name	Type	Ceiling Fans	Ceiling Fan Type	Heated	Cooled	Chimneys Sealed	Chimneys Unsealed	Wall	Exhaust Fans	Exhaust Fans	Vented Downlights	Unflued Gas Heaters
								Ceiling Vents Unsealed	Sealed	Unsealed	Unsealed	Unsealed
Master Bed	Bedroom	1	900 mm diameter	true	true	0	0	0	0	0	0	(
Bedroom 2	Bedroom	1	900 mm diameter	true	true	0	0	0	0	0	0	(
Ensuite	Other (night cond)	0	900 mm diameter	false	false	0	0	0	0	1	0	(
Study	Other (night cond)	0	900 mm diameter	false	false	0	0	0	0	0	0	(
Bathroom	Other (night cond)	0	900 mm diameter	false	false	0	0	0	1	0	0	(
Hall	Other (night cond)	0	900 mm diameter	false	false	0	0	0	0	0	0	(

Garage walls

Title	Type	Orientation	Foil & insulation	Width	Height	Thickness	Base Height	Eave	Connects zone	Wing wall	Obstruction
Wall 10815	SB: Single Brick	W: West	R0.0 None	8.27 m	2.70 m	115.00 mm	0.00 m	select...		select...	select...
Wall 10816	SB: Single Brick	S: South	R0.0 None	3.48 m	2.70 m	115.00 mm	0.00 m	select...		defined	select...
Wall 10817	Int: Internal Plasterboard Stud Wall	E: East	R2.5 DS	0.18 m	2.70 m	115.00 mm	0.00 m	select...		select...	select...
Wall 248197	Int: Internal Plasterboard Stud Wall	E: East	R0.0 DS	1.46 m	2.70 m	115.00 mm	0.00 m	select...		select...	select...
Wall 10819	Int: Internal Plasterboard Stud Wall	E: East	R2.5 DS	0.14 m	2.40 m	115.00 mm	0.00 m	select...		select...	select...
Wall 10820	Int: Internal Plasterboard Stud Wall	E: East	R2.5 DS	6.36 m	2.70 m	135.00 mm	0.00 m	select...		select...	select...
Wall 10821	Int: Internal Plasterboard Stud Wall	E: East	R2.5 DS	0.15 m	2.70 m	115.00 mm	0.00 m	select...		select...	select...

Garage walls (cont.)

Title	Type	Orientation	Foil & insulation	Width	Height	Thickness	Base Height	Eave	Connects zone	Wing wall	Obstruction
Wall 10822	SB: Single Brick	N: North	R0.0 None	3.59 m	2.70 m	115.00 mm	0.00 m	select...		select...	select...

Garage openings

Name	Style	Height	Width	Type	Window Type	Horz Offset	Head Height	Openability	Weather-stripped	Eave	Indoor Covering	Outdoor Covering
Opening 921	Window	1.08 m	0.91 m	Generic 01: Aluminium standard single-glazed: clear glass: U = 7.32: SHGC = 0.77	Awning	0.87 m	2.23 m	45.0	true select...		None	None
Opening 982	Door	2.23 m	0.89 m	Generic 01: Aluminium standard single-glazed: clear glass: U = 7.32: SHGC = 0.77	Awning	2.45 m	2.23 m	90.0	true select...		None	None
Opening 1575	Door	2.10 m	0.83 m	Generic 01: Aluminium standard single-glazed: clear glass: U = 7.32: SHGC = 0.77	Casement	0.04 m	2.10 m	90.0	false select...		HB: Holland blind	None
Opening 1222	Door	2.10 m	3.49 m	Generic 01: Aluminium standard single-glazed: clear glass: U = 7.32: SHGC = 0.77	Awning	0.04 m	2.10 m	95.0	false select...		None	None

Garage floors

Name	Floor area	Floor type	Floor covering	Sub-floor	ventilation	Floor foil & insulation	Connects floor
Area 1542	29.26 m2	CSOG: Slab on Ground		None	Enclosed	R0.0 None	

Garage ceilings

Name	Roof area	Roof type	Roof foil & insulation	Roof colour	Connects ceiling
Area 1542	29.26 m2	Flat - Flat Framed (Metal Deck)	R0.0 None	medium	

Living walls

Title	Type	Orientation	Foil & insulation	Width	Height	Thickness	Base Height	Eave	Connects zone	Wing wall	Obstruction
Wall 10823	BV: Brick Veneer	N: North	R2.5 DS	3.42 m	2.70 m	250.00 mm	0.00 m	select...		select...	select...
Wall 10824	BV: Brick Veneer	E: East	R2.5 DS	1.54 m	2.70 m	250.00 mm	0.00 m	select...		defined	select...
Wall 10825	WB: Weatherboard	N: North	R2.5 DS	4.98 m	2.70 m	140.00 mm	0.00 m	defined		defined	select...
Wall 10826	WB: Weatherboard	E: East	R2.5 DS	2.81 m	2.70 m	140.00 mm	0.00 m	defined		select...	select...
Wall 10827	WB: Weatherboard	S: South	R2.5 DS	0.63 m	2.70 m	140.00 mm	0.00 m	select...		select...	select...
Wall 10828	WB: Weatherboard	E: East	R2.5 DS	3.11 m	2.70 m	140.00 mm	0.00 m	select...		defined	select...
Wall 10829	Int: Internal Plasterboard Stud Wall	S: South	R0.0 None	4.22 m	2.40 m	115.00 mm	0.00 m	select...		select...	select...
Wall 10830	Int: Internal Plasterboard Stud Wall	W: West	R0.0 None	0.53 m	2.70 m	115.00 mm	0.00 m	select...		select...	select...
Wall 10831	Int: Internal Plasterboard Stud Wall	S: South	R0.0 None	0.43 m	2.70 m	115.00 mm	0.00 m	select...		select...	select...
Wall 10832	Int: Internal Plasterboard Stud Wall	W: West	R0.0 None	0.47 m	2.70 m	115.00 mm	0.00 m	select...		select...	select...
Wall 10833	Int: Internal Plasterboard Stud Wall	W: West	R0.0 None	0.14 m	2.40 m	115.00 mm	0.00 m	select...		select...	select...
Wall 10834	Int: Internal Plasterboard Stud Wall	S: South	R0.0 None	0.12 m	2.40 m	115.00 mm	0.00 m	select...		select...	select...
Wall 10835	Int: Internal Plasterboard Stud Wall	S: South	R0.0 None	3.00 m	2.70 m	115.00 mm	0.00 m	select...		select...	select...
Wall 10836	Int: Internal Plasterboard Stud Wall	W: West	R2.5 DS	6.36 m	2.40 m	115.00 mm	0.00 m	select...		select...	select...

Livingceilings

Name	Roof area	Roof type	Roof foil & insulation	Roof colour	Connects ceiling
Area 1543	49.39 m2	Ceil	R3.5 None	light	

Kitchen walls

Title	Type	Orientation	Foil & insulation	Width	Height	Thickness	Base Height	Eave	Connects zone	Wing wall	Obstruction
Wall 10837	Int: Internal Plasterboard Stud Wall	W: West	R0.0 None	0.46 m	2.70 m	115.00 mm	0.00 m	select...		select...	select...
Wall 10838	Int: Internal Plasterboard Stud Wall	W: West	R0.0 None	2.08 m	2.70 m	115.00 mm	0.00 m	select...		select...	select...
Wall 10839	BV: Brick Veneer	S: South	R2.5 DS	5.11 m	2.70 m	250.00 mm	0.00 m	select...		select...	select...
Wall 10840	BV: Brick Veneer	E: East	R2.5 DS	0.88 m	2.70 m	250.00 mm	0.00 m	select...		select...	select...
Wall 10841	WB: Weatherboard	E: East	R2.5 DS	1.69 m	2.70 m	135.00 mm	0.00 m	select...		select...	select...
Wall 10842	WB: Weatherboard	N: North	R2.5 DS	0.91 m	2.70 m	140.00 mm	0.00 m	select...		select...	select...
Wall 10843	Int: Internal Plasterboard Stud Wall	N: North	R0.0 None	4.19 m	2.70 m	115.00 mm	0.00 m	select...		select...	select...

Kitchen openings

Name	Style	Height	Width	Type	Window Type	Horz Offset	Head Height	Openability	Weather-stripped	Eave	Indoor Covering	Outdoor Covering
Opening 3576	Door	2.10 m	0.32 m	Generic 01: Aluminium standard single-glazed: clear glass: U = 7.32: SHGC = 0.77	Casement	0.00 m	2.70 m	90.0	false	select...	HB: Holland blind	None
Opening 288	Window	1.05 m	1.62 m	Generic 13: Aluminium standard double-glazed: clear/6 air gap/clear: U = 4.95: SHGC = 0.69	Double Hung	0.02 m	2.05 m	25.0	true	select...	HB: Holland blind	Awning

Kitchen openings(cont.)

Name	Style	Height	Width	Type	Window Type	Horz Offset	Head Height	Openability	Weather-stripped	Eave	Indoor Covering	Outdoor Covering
Opening 2215	Fixed	2.70 m	4.07 m	Generic 01: Aluminium standard single-glazed: clear glass: U = 7.32: SHGC = 0.77	Casement	0.07 m	2.70 m	100.0	false select...		HB: Holland blind	None

Kitchen floors

Name	Floor area	Floor type	Floor covering	Sub-floor	ventilation	Floor foil & insulation	Connects floor
Area 1544	6.82 m2	CSOG: Slab on Ground	Floating Timber		Enclosed	R0.0	None
Area 15870	5.85 m2	CSOG: Slab on Ground	Floating Timber		Enclosed	R0.0	None

Kitchen ceilings

Name	Roof area	Roof type	Roof foil & insulation	Roof colour	Connects ceiling
Area 1544	6.82 m2	Ceil	R3.5	None	light
Area 15870	5.85 m2	Flat - Flat Framed (Metal Deck)	R6.3	DS	light

Laundry walls

Title	Type	Orientation	Foil & insulation	Width	Height	Thickness	Base Height	Eave	Connects zone	Wing wall	Obstruction
Wall 10844	BV: Brick Veneer	W: West	R2.5 DS	2.03 m	2.70 m	250.00 mm	0.00 m	select...		defined	select...
Wall 10845	BV: Brick Veneer	S: South	R2.5 DS	1.90 m	2.70 m	250.00 mm	0.00 m	select...		select...	select...
Wall 10846	Int: Internal Plasterboard Stud Wall	E: East	R0.0 None	2.04 m	2.40 m	115.00 mm	0.00 m	select...		select...	select...
Wall 10847	Int: Internal Plasterboard Stud Wall	N: North	R0.0 None	1.93 m	2.40 m	115.00 mm	0.00 m	select...		select...	select...

Laundry openings

Name	Style	Height	Width	Window Type	Horz Type	Head Offset	Head Height	Openability	Weather-stripped	Eave	Indoor Covering	Outdoor Covering
Opening 785	Window	1.10 m	1.13 m	Generic 01: Aluminium standard single-glazed: clear glass: U = 7.32: SHGC = 0.77	Awning	0.25 m	2.20 m	0.45	true	defined	None	None
Opening 1391	Door	2.10 m	0.75 m	Generic 01: Aluminium standard single-glazed: clear glass: U = 7.32: SHGC = 0.77	Casement	0.51 m	2.10 m	90.0	false	select...	HB: Holland blind	None

Laundry floors

Name	Floor area	Floor type	Floor covering	Sub-floor	ventilation	Floor foil & insulation	Connects floor
Area 1545	1.93 m2	CSOG: Slab on Ground	Tiles		Enclosed	R0.0	None
Area 17052	1.90 m2	CSOG: Slab on Ground	Tiles		Enclosed	R0.0	None

Laundry ceilings

Name	Roof area	Roof type	Roof foil & insulation	Roof colour	Connects ceiling
Area 1545	1.93 m2	Ceil	R3.5	None	light
Area 17052	1.90 m2	Flat - Flat Framed (Metal Deck)	R6.3	DS	light

Powder walls

Title	Type	Orientation	Foil & insulation	Width	Height	Thickness	Base Height	Eave	Connects zone	Wing wall	Obstruction
Wall 10848	Int: Internal Plasterboard Stud Wall	W: West	R0.0 None	0.10 m	2.40 m	115.00 mm	0.00 m	select...		select...	select...
Wall 10849	Int: Internal Plasterboard Stud Wall	W: West	R0.0 None	1.96 m	2.70 m	115.00 mm	0.00 m	select...		select...	select...

Powder walls (cont.)

Title	Type	Orientation	Foil & insulation	Width	Height	Thickness	Base Height	Eave	Connects zone	Wing wall	Obstruction
Wall 10850	BV: Brick Veneer	S: South	R2.5 DS	1.42 m	2.70 m	250.00 mm	0.00 m	select...		select...	select...
Wall 10851	Int: Internal Plasterboard Stud Wall	E: East	R0.0 None	2.08 m	2.40 m	115.00 mm	0.00 m	select...		select...	select...
Wall 10852	Int: Internal Plasterboard Stud Wall	N: North	R0.0 None	1.40 m	2.70 m	115.00 mm	0.00 m	select...		select...	select...

Powder openings

Name	Style	Height	Width	Window Type	Horz Offset	Head Height	Openability	Weather-stripped	Eave	Indoor Covering	Outdoor Covering	
Opening 1406	Door	2.10 m	0.76 m	Generic 01: Aluminium standard single-glazed: clear glass: U = 7.32: SHGC = 0.77	Casement	0.54 m	2.10 m	90.0	false	select...	HB: Holland blind	None

Powder floors

Name	Floor area	Floor type	Floor covering	Sub-floor	ventilation	Floor foil & insulation	Connects floor
Powder Area 18072	1.21 m2	CSOG: Slab on Ground	Tiles		Enclosed	R0.0 None	
	1.65 m2	CSOG: Slab on Ground	Tiles		Enclosed	R0.0 None	

Powder ceilings

Name	Roof area	Roof type	Roof foil & insulation	Roof colour	Connects ceiling
Powder Area 18072	1.21 m2	Ceil	R3.5 None	light	
	1.65 m2	Flat - Flat Framed (Metal Deck)	R6.3 DS	light	

Powder skylights

Name	Style Type	Area	Azimuth	Pitch	Indoor Shading	Outdoor Shading	Openability	Shaft Length	Shaft Reflectance	diffuser
Element 2167	roof window	0.45 m ²	0.0	0.0	None	None	0.0	1.00 m	0.75	false

Hallway walls

Title	Type	Orientation	Foil & insulation	Width	Height	Thickness	Base Height	Eave	Connects zone	Wing wall	Obstruction
Wall 10853	Int: Internal Plasterboard Stud Wall	W: West	R2.5 DS	1.46 m	2.40 m	115.00 mm	0.00 m	select...		select...	select...
Wall 10854	Int: Internal Plasterboard Stud Wall	N: North	R0.0 None	3.02 m	2.40 m	115.00 mm	0.00 m	select...		select...	select...
Wall 10855	Int: Internal Plasterboard Stud Wall	E: East	R0.0 None	0.47 m	2.40 m	115.00 mm	0.00 m	select...		select...	select...
Wall 12312	Int: Internal Plasterboard Stud Wall	E: East	R0.0 None	0.11 m	2.40 m	115.00 mm	0.00 m	select...		select...	select...
Wall 10856	Int: Internal Plasterboard Stud Wall	N: North	R0.0 None	0.13 m	2.40 m	115.00 mm	0.00 m	select...		select...	select...
Wall 14156	Int: Internal Plasterboard Stud Wall	N: North	R0.0 None	0.31 m	2.40 m	115.00 mm	0.00 m	select...		select...	select...
Wall 11122	Int: Internal Plasterboard Stud Wall	E: East	R0.0 None	0.40 m	2.40 m	115.00 mm	0.00 m	select...		select...	select...
Wall 13631	Int: Internal Plasterboard Stud Wall	E: East	R0.0 None	0.18 m	2.70 m	115.00 mm	0.00 m	select...		select...	select...
Wall 13471	Int: Internal Plasterboard Stud Wall	E: East	R0.0 None	0.32 m	2.40 m	115.00 mm	0.00 m	select...		select...	select...
Wall 11073	Int: Internal Plasterboard Stud Wall	S: South	R0.0 None	1.36 m	2.40 m	115.00 mm	0.00 m	select...		select...	select...
Wall 12062	Int: Internal Plasterboard Stud Wall	S: South	R0.0 None	0.11 m	2.40 m	115.00 mm	0.00 m	select...		select...	select...
Wall 12061	Int: Internal Plasterboard Stud Wall	S: South	R0.0 None	1.98 m	2.70 m	115.00 mm	0.00 m	select...		select...	select...

Hallway openings

Name	Style	Height	Width	Type	Window Type	Horz Offset	Head Height	Openability	Weather-stripped	Eave	Indoor Covering	Outdoor Covering
Opening 1575	Door	2.10 m	0.83 m	Generic 01: Aluminium standard single-glazed: clear glass: U = 7.32: SHGC = 0.77	Casement	0.04 m	2.10 m	90.0	false select...		HB: Holland blind	None
Opening 2527	Door	2.70 m	0.38 m	Generic 01: Aluminium standard single-glazed: clear glass: U = 7.32: SHGC = 0.77	Casement	0.01 m	2.70 m	90.0	false select...		HB: Holland blind	None
Opening 6726	Door	2.10 m	0.10 m	Generic 01: Aluminium standard single-glazed: clear glass: U = 7.32: SHGC = 0.77	Casement	0.08 m	2.10 m	90.0	false select...		HB: Holland blind	None
Opening 3576	Door	2.10 m	0.32 m	Generic 01: Aluminium standard single-glazed: clear glass: U = 7.32: SHGC = 0.77	Casement	0.00 m	2.70 m	90.0	false select...		HB: Holland blind	None
Opening 1406	Door	2.10 m	0.76 m	Generic 01: Aluminium standard single-glazed: clear glass: U = 7.32: SHGC = 0.77	Casement	0.54 m	2.10 m	90.0	false select...		HB: Holland blind	None
Opening 1391	Door	2.10 m	0.75 m	Generic 01: Aluminium standard single-glazed: clear glass: U = 7.32: SHGC = 0.77	Casement	0.51 m	2.10 m	90.0	false select...		HB: Holland blind	None

Hallway floors

Name	Floor area	Floor type	Floor covering	Sub-floor	ventilation	Floor foil & insulation	Connects floor
Area 1547	4.83 m2	CSOG: Slab on Ground		Tiles	Enclosed	R0.0	None

Hallway ceilings

Name	Roof area	Roof type	Roof foil & insulation	Roof colour	Connects ceiling
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Master Bed walls

Title	Type	Orientation	Foil & insulation	Width	Height	Thickness	Base Height	Eave	Connects zone	Wing wall	Obstruction
Wall 14930	WB: Weatherboard	W: West	R2.5 DS	1.87 m	2.70 m	140.00 mm	0.00 m	defined		select...	select...
Wall 15034	Int: Internal Plasterboard Stud Wall	S: South	R0.0 None	0.90 m	2.70 m	115.00 mm	0.00 m	select...		select...	select...
Wall 31579	Int: Internal Plasterboard Stud Wall	S: South	R0.0 None	0.15 m	2.70 m	115.00 mm	0.00 m	select...		select...	select...
Wall 15085	Int: Internal Plasterboard Stud Wall	W: West	R2.5 None	0.15 m	2.40 m	115.00 mm	0.00 m	select...		select...	select...
Wall 31580	Int: Internal Plasterboard Stud Wall	W: West	R2.5 None	1.22 m	2.40 m	115.00 mm	0.00 m	select...		select...	select...
Wall 15136	Int: Internal Plasterboard Stud Wall	S: South	R0.0 None	2.52 m	2.70 m	115.00 mm	0.00 m	select...		select...	select...
Wall 26045	Int: Internal Plasterboard Stud Wall	S: South	R0.0 None	0.14 m	2.40 m	115.00 mm	0.00 m	select...		select...	select...
Wall 15337	Int: Internal Plasterboard Stud Wall	W: West	R0.0 None	0.11 m	2.40 m	115.00 mm	0.00 m	select...		select...	select...
Wall 26046	Int: Internal Plasterboard Stud Wall	W: West	R0.0 None	0.85 m	2.70 m	115.00 mm	0.00 m	select...		select...	select...
Wall 15438	Int: Internal Plasterboard Stud Wall	S: South	R0.0 None	1.56 m	2.40 m	115.00 mm	0.00 m	select...		select...	select...
Wall 15489	Int: Internal Plasterboard Stud Wall	E: East	R0.0 None	4.14 m	2.90 m	115.00 mm	0.00 m	select...		select...	select...
Wall 15640	MC: Metal Clad Framed	N: North	R2.5 DS	0.60 m	2.70 m	500.00 mm	0.00 m	select...		select...	select...
Wall 242461	WB: Weatherboard	N: North	R2.5 DS	4.67 m	2.70 m	140.00 mm	0.00 m	defined		select...	select...

Master Bed openings

Name	Style	Height	Width	Type	Window Type	Horz Offset	Head Height	Openability	Weather-stripped	Eave	Indoor Covering	Outdoor Covering
Opening 17614	Window	2.40 m	1.82 m	Generic 13: Aluminium standard double-glazed: clear/6 air gap/clear: U = 4.95: SHGC = 0.69	Sliding	0.02 m	2.40 m	30.0	true	defined	HB: Holland blind	Awning
Opening 29340	Window	2.10 m	0.83 m	Generic 01: Aluminium standard single-glazed: clear glass: U = 7.32: SHGC = 0.77	Double Hung	0.56 m	2.10 m	45.0	false	select...	HB: Holland blind	Awning
Opening 29184	Door	2.10 m	0.79 m	Generic 01: Aluminium standard single-glazed: clear glass: U = 7.32: SHGC = 0.77	Double Hung	0.71 m	2.10 m	90.0	false	select...	HB: Holland blind	Awning
Opening 22193	Window	2.40 m	0.76 m	Generic 13: Aluminium standard double-glazed: clear/6 air gap/clear: U = 4.95: SHGC = 0.69	Double Hung	0.12 m	2.55 m	0.2	true	defined	HB: Holland blind	Awning
Opening 21174	Window	2.40 m	0.75 m	Generic 13: Aluminium standard double-glazed: clear/6 air gap/clear: U = 4.95: SHGC = 0.69	Double Hung	3.80 m	2.55 m	0.2	true	defined	HB: Holland blind	Awning

Master Bed floors

Name	Floor area	Floor type	Floor covering	Sub-floor ventilation	Floor foil & insulation	Connects floor
Area 2142	16.96 m2	Timber	Carpet	Elevated	R0.0 None	

Master Bed ceilings

Name	Roof area	Roof type	Roof foil & insulation	Roof colour	Connects ceiling
Area 2142	16.96 m2	Flat - Flat Framed (Metal Deck)	R6.3 DS	light	

Bedroom 2 walls

Bedroom 2 walls (cont.)

Title	Type	Orientation	Foil & insulation	Width	Height	Thickness	Base Height	Eave	Connects zone	Wing wall	Obstruction
Wall 19296	Int: Internal Plasterboard Stud Wall	S: South	R0.0 None	1.37 m	2.40 m	115.00 mm	0.00 m	select...		select...	select...
Wall 47475	Int: Internal Plasterboard Stud Wall	S: South	R0.0 None	0.13 m	2.40 m	115.00 mm	0.00 m	select...		select...	select...
Wall 39736	Int: Internal Plasterboard Stud Wall	S: South	R0.0 None	1.24 m	2.40 m	115.00 mm	0.00 m	select...		select...	select...
Wall 21710	WB: Weatherboard	S: South	R2.5 DS	0.65 m	2.90 m	140.00 mm	0.00 m	select...		select...	select...
Wall 19355	WB: Weatherboard	E: East	R2.5 DS	4.08 m	2.90 m	140.00 mm	0.00 m	select...		select...	select...
Wall 19414	MC: Metal Clad Framed	N: North	R2.5 DS	0.28 m	2.90 m	500.00 mm	0.00 m	select...		select...	select...
Wall 243234	WB: Weatherboard	N: North	R2.5 DS	3.13 m	2.90 m	140.00 mm	0.00 m	defined		select...	select...

Bedroom 2 openings

Name	Style	Height	Width	Type	Window Type	Horz Offset	Head Height	Openability	Weather-stripped	Eave	Indoor Covering	Outdoor Covering
Opening 29261	Door	2.10 m	0.75 m	Generic 01: Aluminium standard single-glazed: clear glass: U = 7.32: SHGC = 0.77	Double Hung	0.58 m	2.10 m	90.0	false select...		HB: Holland blind	Awning
Opening 22884	Window	2.40 m	0.75 m	Generic 13: Aluminium standard double-glazed: clear/6 air gap/clear: U = 4.95: SHGC = 0.69	Double Hung	2.38 m	2.55 m	0.2	true select...		None	Awning
Opening 24835	Window	2.40 m	0.74 m	Generic 13: Aluminium standard double-glazed: clear/6 air gap/clear: U = 4.95: SHGC = 0.69	Double Hung	0.03 m	2.55 m	45.0	true defined		HB: Holland blind	Awning

Bedroom 2 floors

Name	Floor area	Floor type	Floor covering	Sub-floor ventilation	Floor foil & insulation	Connects floor
Area 2570	12.05 m ²	Timber	Carpet	Elevated	R0.0 None	

Bedroom 2 ceilings

Name	Roof area	Roof type	Roof foil & insulation	Roof colour	Connects ceiling
Area 2570	13.95 m2	Flat - Flat Framed (Metal Deck)	R6.3 DS	light	

Ensuite walls

Title	Type	Orientation	Foil & insulation	Width	Height	Thickness	Base Height	Eave	Connects zone	Wing wall	Obstruction
Wall 22755	Int: Internal Plasterboard Stud Wall	W: West	R0.0 None	2.09 m	2.40 m	115.00 mm	0.00 m	select...		select...	select...
Wall 22822	Int: Internal Plasterboard Stud Wall	S: South	R0.0 None	2.50 m	2.70 m	115.00 mm	0.00 m	select...		select...	select...
Wall 22823	Int: Internal Plasterboard Stud Wall	E: East	R0.0 None	1.15 m	2.40 m	115.00 mm	0.00 m	select...		select...	select...
Wall 46955	Int: Internal Plasterboard Stud Wall	E: East	R0.0 None	0.13 m	2.40 m	115.00 mm	0.00 m	select...		select...	select...
Wall 26044	Int: Internal Plasterboard Stud Wall	E: East	R0.0 None	0.85 m	2.40 m	115.00 mm	0.00 m	select...		select...	select...
Wall 22887	Int: Internal Plasterboard Stud Wall	N: North	R0.0 None	2.53 m	2.40 m	115.00 mm	0.00 m	select...		select...	select...

Ensuite openings

Name	Style	Height	Width	Window Type	Horz Type	Head Offset	Head Height	Openability	Weather-stripped	Eave	Indoor Covering	Outdoor Covering
Opening 29340	Window	2.10 m	0.83 m	Generic 01: Aluminium standard single-glazed: clear glass: U = 7.32: SHGC = 0.77	Double Hung	0.56 m	2.10 m	45.0	false	select...	HB: Holland blind	Awning

Ensuite floors

Name	Floor area	Floor type	Floor covering	Sub-floor ventilation	Floor foil & insulation	Connects floor
Area 2995	5.31 m2	Timber	Carpet	Elevated	R0.0 None	

Ensuite ceilings

Name	Roof area	Roof type	Roof foil & insulation	Roof colour	Connects ceiling
Area 2995	5.31 m2	Flat - Flat Framed (Metal Deck)	R6.3 DS	light	

Ensuiteskylights

Name	Style Type	Area	Azimuth	Pitch	Indoor Shading	Outdoor Shading	Openability	Shaft Length	Shaft Reflectance	diffuser
Element 1	roof window	0.52 m2	0.0	0.0	None	None	0.0	1.00 m	0.75	false

Study walls

Title	Type	Orientation	Foil & insulation	Width	Height	Thickness	Base Height	Eave	Connects zone	Wing wall	Obstruction
Wall 27784	Int: Internal Plasterboard Stud Wall	N: North	R0.0 None	0.89 m	2.40 m	115.00 mm	0.00 m	select...		select...	select...
Wall 28065	Int: Internal Plasterboard Stud Wall	E: East	R0.0 None	1.20 m	2.70 m	115.00 mm	0.00 m	select...		select...	select...
Wall 31577	Int: Internal Plasterboard Stud Wall	E: East	R0.0 None	0.14 m	2.40 m	115.00 mm	0.00 m	select...		select...	select...
Wall 31900	Int: Internal Plasterboard Stud Wall	E: East	R0.0 None	2.09 m	2.70 m	115.00 mm	0.00 m	select...		select...	select...
Wall 31901	Int: Internal Plasterboard Stud Wall	E: East	R0.0 None	0.15 m	2.40 m	115.00 mm	0.00 m	select...		select...	select...

Study horz openings

Name	Area
HOpening 1	2.57 m2

Study ceilings

Name	Roof area	Roof type	Roof foil & insulation	Roof colour	Connects ceiling
Area 3734	9.52 m2	Flat - Flat Framed (Metal Deck)	R6.3 DS	light	

Stud skylights

Name	Style Type	Area	Azimuth	Pitch	Indoor Shading	Outdoor Shading	Openability	Shaft Length	Shaft Reflectance	diffuser
Element 21	roof window	0.94 m2	0.0	0.0	None	None	0.0	1.00 m	0.75	false

Bathroom walls

Title	Type	Orientation	Foil & insulation	Width	Height	Thickness	Base Height	Eave	Connects zone	Wing wall	Obstruction
Wall 35230	Int: Internal Plasterboard Stud Wall	W: West	R0.0 None	1.79 m	2.40 m	150.00 mm	0.00 m	select...		select...	select...
Wall 35395	WB: Weatherboard	S: South	R2.5 DS	2.77 m	2.70 m	140.00 mm	0.00 m	select...		select...	select...
Wall 35478	WB: Weatherboard	E: East	R2.5 DS	3.07 m	2.70 m	140.00 mm	0.00 m	select...		defined	select...
Wall 35725	Int: Internal Plasterboard Stud Wall	N: North	R0.0 None	1.15 m	2.90 m	150.00 mm	0.00 m	select...		select...	select...
Wall 35890	Int: Internal Plasterboard Stud Wall	W: West	R0.0 None	1.16 m	2.40 m	150.00 mm	0.00 m	select...		select...	select...

Bathroom walls (cont.)

Title	Type	Orientation	Foil & insulation	Width	Height	Thickness	Base Height	Eave	Connects zone	Wing wall	Obstruction
Wall 48336	Int: Internal Plasterboard Stud Wall	W: West	R0.0 None	0.11 m	2.40 m	150.00 mm	0.00 m	select...		select...	select...
Wall 35973	Int: Internal Plasterboard Stud Wall	N: North	R0.0 None	0.13 m	2.40 m	150.00 mm	0.00 m	select...		select...	select...
Wall 48337	Int: Internal Plasterboard Stud Wall	N: North	R0.0 None	1.48 m	2.40 m	150.00 mm	0.00 m	select...		select...	select...

Bathroom openings

Name	Style	Height	Width	Window Type	Horz Type	Head Offset	Head Height	Openability	Weather-stripped	Eave	Indoor Covering	Outdoor Covering
Opening 20611	Window	2.10 m	0.66 m	Generic 01: Aluminium standard single-glazed: clear glass: U = 7.32: SHGC = 0.77	Awning	0.03 m	2.55 m	0.15	true select...		None	None
Opening 20861	Window	0.55 m	1.63 m	Generic 01: Aluminium standard single-glazed: clear glass: U = 7.32: SHGC = 0.77	Awning	0.53 m	2.55 m	25.0	true select...		None	None
Opening 28794	Door	2.10 m	0.86 m	Generic 01: Aluminium standard single-glazed: clear glass: U = 7.32: SHGC = 0.77	Double Hung	0.04 m	2.10 m	90.0	false select...		HB: Holland blind	Awning

Bathroom floors

Name	Floor area	Floor type	Floor covering	Sub-floor	ventilation	Floor foil & insulation	Connects floor
Area 4655	6.42 m2	Timber	Carpet		Elevated	R0.0 None	

Bathroom ceilings

Name	Roof area	Roof type	Roof foil & insulation	Roof colour	Connects ceiling
Area 4655	6.42 m2	Flat - Flat Framed (Metal Deck)	R6.3 DS	light	

Hall walls

Title	Type	Orientation	Foil & insulation	Width	Height	Thickness	Base Height	Eave	Connects zone	Wing wall	Obstruction
Wall 40734	Int: Internal Plasterboard Stud Wall	W: West	R0.0 None	1.74 m	2.40 m	115.00 mm	0.00 m	select...		select...	select...
Wall 40824	WB: Weatherboard	S: South	R2.5 DS	4.19 m	2.70 m	140.00 mm	0.00 m	select...		defined	select...
Wall 40914	Int: Internal Plasterboard Stud Wall	E: East	R0.0 None	1.74 m	2.70 m	115.00 mm	0.00 m	select...		select...	select...
Wall 46448	Int: Internal Plasterboard Stud Wall	E: East	R0.0 None	0.11 m	2.40 m	115.00 mm	0.00 m	select...		select...	select...
Wall 40915	Int: Internal Plasterboard Stud Wall	S: South	R0.0 None	0.15 m	2.70 m	115.00 mm	0.00 m	select...		select...	select...
Wall 48335	Int: Internal Plasterboard Stud Wall	S: South	R0.0 None	1.48 m	2.70 m	115.00 mm	0.00 m	select...		select...	select...
Wall 47908	Int: Internal Plasterboard Stud Wall	E: East	R0.0 None	1.16 m	2.70 m	115.00 mm	0.00 m	select...		select...	select...
Wall 41006	Int: Internal Plasterboard Stud Wall	N: North	R0.0 None	1.37 m	2.90 m	115.00 mm	0.00 m	select...		select...	select...
Wall 47474	Int: Internal Plasterboard Stud Wall	N: North	R0.0 None	0.19 m	2.70 m	115.00 mm	0.00 m	select...		select...	select...
Wall 47473	Int: Internal Plasterboard Stud Wall	N: North	R0.0 None	1.56 m	2.70 m	115.00 mm	0.00 m	select...		select...	select...
Wall 41007	Int: Internal Plasterboard Stud Wall	W: West	R0.0 None	1.15 m	2.70 m	115.00 mm	0.00 m	select...		select...	select...
Wall 46954	Int: Internal Plasterboard Stud Wall	W: West	R0.0 None	0.12 m	2.40 m	115.00 mm	0.00 m	select...		select...	select...
Wall 41186	Int: Internal Plasterboard Stud Wall	N: North	R0.0 None	0.14 m	2.40 m	115.00 mm	0.00 m	select...		select...	select...
Wall 46650	Int: Internal Plasterboard Stud Wall	N: North	R0.0 None	2.54 m	2.40 m	115.00 mm	0.00 m	select...		select...	select...

Hallopenings

Name	Style	Height	Width	Window Type	Horz Type	Head Offset	Head Height	Openability	Weather-stripped	Eave	Indoor Covering	Outdoor Covering
Opening 27917	Fixed	2.70 m	1.13 m	Generic 01: Aluminium standard single-glazed: clear glass: U = 7.32: SHGC = 0.77	Double Hung	0.02 m	2.70 m	100.0	false select...		HB: Holland blind	Awning
Opening 20268	Window	0.90 m	1.49 m	Generic 01: Aluminium standard single-glazed: clear glass: U = 7.32: SHGC = 0.77	Awning	2.69 m	2.55 m	25.0	true select...		None	None
Opening 28794	Door	2.10 m	0.86 m	Generic 01: Aluminium standard single-glazed: clear glass: U = 7.32: SHGC = 0.77	Double Hung	0.04 m	2.10 m	90.0	false select...		HB: Holland blind	Awning
Opening 29261	Door	2.10 m	0.75 m	Generic 01: Aluminium standard single-glazed: clear glass: U = 7.32: SHGC = 0.77	Double Hung	0.58 m	2.10 m	90.0	false select...		HB: Holland blind	Awning
Opening 29184	Door	2.10 m	0.79 m	Generic 01: Aluminium standard single-glazed: clear glass: U = 7.32: SHGC = 0.77	Double Hung	0.71 m	2.10 m	90.0	false select...		HB: Holland blind	Awning

Hall floors

Name	Floor area	Floor type	Floor covering	Sub-floor ventilation	Floor foil & insulation	Connects floor
Area 5283	11.11 m2	Timber	Carpet	Elevated	R0.0 None	

Hall ceilings

Name	Roof area	Roof type	Roof foil & insulation	Roof colour	Connects ceiling
Area 5283	11.11 m2	Flat - Flat Framed (Metal Deck)	R6.3 DS	light	

Optimisation Report

None

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