

AccuRate Sustainability V2.3.3.13 SP3

Nationwide House Energy Rating Scheme

Project Name: Lot 12 Narara		
File Name: D:\GEHunt\Mohr\Thermal\Mohr.PRO		
Postcode: 2250	Climate Zone: 15	Exposure: Suburban
Client Name: Deborah & Daniel Mohr		
Site Address:		
Design Option: M - L + del louvres bed		
Date: 06/04/2017	Time: 16:44:31	Page: 1

Construction details: External Walls

Description: Lime render/300 Hempcrete/lime render		
External colour: Medium		Internal colour: Medium
External absorptance (%): 50		Internal absorptance (%): 50
Layer	Material	Thickness (mm)
1	Plaster (cement:sand 1:4)	10
2	Straw board	300
3	Plaster (cement:sand 1:4)	10

Description: FC boards/breathable membrane/ R2.7 insulation/plasterboard		
External colour: Medium		Internal colour: Medium
External absorptance (%): 50		Internal absorptance (%): 50
Layer	Material	Thickness (mm)
1	Fibre-cement sheet	8
2	Air gap vertical 17-30 mm (20 nominal) unventilated non-reflective (0.9/0.9; E = 0.82)	20
3	Glass fibre batt (k = 0.044 density = 12 kg/m3)	119
4	Plasterboard	10

Description: 270mm extruded clay brick cavity wall (PIR 13 Insul 2 RF airgap) - plasterb'd int.wle		
External colour: Medium		Internal colour: Medium
External absorptance (%): 50		Internal absorptance (%): 50
Layer	Material	Thickness (mm)
1	Brickwork: generic extruded clay brick (typical density)	110
2	Air gap vertical 17-30 mm (20 nominal) ventilated reflective (0.2/0.9; E = 0.20)	20
3	Polystyrene extruded (k = 0.028)	17
4	Air gap vertical 17-30 mm (20 nominal) ventilated reflective (0.05/0.05; E = 0.026)	20
5	Brickwork: generic extruded clay brick (typical density)	110
6	Plasterboard	10

Description: RETAINing wall-190mm concrete masonry with 110mm Brickwork		
External colour: Medium		Internal colour: Medium
External absorptance (%): 50		Internal absorptance (%): 50
Layer	Material	Thickness (mm)
1	Soil (average)	5000
2	Air gap vertical 17-30 mm (20 nominal) ventilated non-reflective (0.9/0.9; E = 0.82)	20
3	Concrete block 190 lightweight (fully core-filled)	190
4	Air gap vertical 31-65 mm (40 nominal) unventilated non-reflective (0.9/0.9; E = 0.82)	40
5	Brickwork: generic extruded clay brick (typical density)	110

AccuRate Sustainability V2.3.3.13 SP3

Nationwide House Energy Rating Scheme

Project Name: Lot 12 Narara		
File Name: D:\GEHunt\Mohr\Thermal\Mohr.PRO		
Postcode: 2250	Climate Zone: 15	Exposure: Suburban
Client Name: Deborah & Daniel Mohr		
Site Address:		
Design Option: M - L + del louvres bed		
Date: 06/04/2017	Time: 16:44:31	Page: 2

Construction details: Windows

Description: TIM-002-01 W Timber B SG Clear: U = 5.40: SHGC = 0.63		
Manufacturer: DEFAULTS		
Version: 2.3.3.13.0.9	Expiry Date: 15/06/2019	
System U-value (NFRC): 5.40	SHGC (NFRC): 0.63	Area: 38.5 m ²
Frame type: Custom	Frame colour: Medium	
Frame fraction (%): 31	Frame absorptance (%): 50	
Layer	Material	Thickness (mm)
1	Glass	4

Description: TIM-002-02 W Timber B SG Tint: U = 5.40: SHGC = 0.49		
Manufacturer: DEFAULTS		
Version: 2.3.3.13.0.9	Expiry Date: 15/06/2019	
System U-value (NFRC): 5.40	SHGC (NFRC): 0.49	Area: 7.2 m ²
Frame type: Custom	Frame colour: Medium	
Frame fraction (%): 18	Frame absorptance (%): 50	
Layer	Material	Thickness (mm)
1	Glass	4

Description: TIM-001-01 W Timber A SG Clear: U = 5.40: SHGC = 0.56		
Manufacturer: DEFAULTS		
Version: 2.3.3.13.0.9	Expiry Date: 15/06/2019	
System U-value (NFRC): 5.40	SHGC (NFRC): 0.56	Area: 8.6 m ²
Frame type: Custom	Frame colour: Medium	
Frame fraction (%): 40	Frame absorptance (%): 50	
Layer	Material	Thickness (mm)
1	Glass	4

Construction details: Floor/Ceilings

Description: 150mm Concrete Floor slab (no insul)		
Top colour: Medium	Bottom colour: Medium	Area: 61.3 m ²
Top absorptance (%): 50	Bottom absorptance (%): 50	
Layer	Material	Thickness (mm)
1	Concrete: standard (2400 kg/m ³)	150

	<h1>AccuRate Sustainability</h1> <h2>V2.3.3.13 SP3</h2> <h3>Nationwide House Energy Rating Scheme</h3>	
--	--	--

Project Name: Lot 12 Narara		
File Name: D:\GEHunt\Mohr\Thermal\Mohr.PRO		
Postcode: 2250	Climate Zone: 15	Exposure: Suburban
Client Name: Deborah & Daniel Mohr		
Site Address:		
Design Option: M - L + del louvres bed		
Date: 06/04/2017	Time: 16:44:31	Page: 3

Description: 150mm Concrete Floor slab with linoleum (no insul)		
Top colour: Medium	Bottom colour: Medium	Area: 15.9 m ²
Top absorptance (%): 50	Bottom absorptance (%): 50	
Layer	Material	Thickness (mm)
1	Linoleum	3
2	Concrete: standard (2400 kg/m ³)	100

Description: 200mm Concrete Floor slab with linoleum (no insul)		
Top colour: Medium	Bottom colour: Medium	Area: 5.4 m ²
Top absorptance (%): 50	Bottom absorptance (%): 50	
Layer	Material	Thickness (mm)
1	Linoleum	3
2	Concrete: standard (2400 kg/m ³)	200

Description: 200mm Concrete Floor slab with ceramic tiles (no insul)		
Top colour: Medium	Bottom colour: Medium	Area: 2.4 m ²
Top absorptance (%): 50	Bottom absorptance (%): 50	
Layer	Material	Thickness (mm)
1	Ceramic tile	8
2	Concrete: standard (2400 kg/m ³)	200

Description: as_FLOR-B002 #1005 © 150mm Concrete Floor slab with ceramic tiles (no insul)		
Top colour: Medium	Bottom colour: Medium	Area: 8.4 m ²
Top absorptance (%): 50	Bottom absorptance (%): 50	
Layer	Material	Thickness (mm)
1	Ceramic tile	8
2	Concrete: standard (2400 kg/m ³)	100

Description: 150mm Concrete Floor slab with timber on underlay		
Top colour: Medium	Bottom colour: Medium	Area: 31.5 m ²
Top absorptance (%): 50	Bottom absorptance (%): 50	
Layer	Material	Thickness (mm)
1	Timber (hardwood)	18
2	Carpet underlay (rubber)	8
3	Concrete: standard (2400 kg/m ³)	100

AccuRate Sustainability V2.3.3.13 SP3

Nationwide House Energy Rating Scheme

Project Name: Lot 12 Narara		
File Name: D:\GEHunt\Mohr\Thermal\Mohr.PRO		
Postcode: 2250	Climate Zone: 15	Exposure: Suburban
Client Name: Deborah & Daniel Mohr		
Site Address:		
Design Option: M - L + del louvres bed		
Date: 06/04/2017	Time: 16:44:31	Page: 4

Description: 200mm Concrete Floor slab with linoleum (no insul)		
Top colour: Medium	Bottom colour: Medium	Area: 15.7 m ²
Top absorptance (%): 50	Bottom absorptance (%): 50	
Layer	Material	Thickness (mm)
1	Linoleum	3
2	Concrete: standard (2400 kg/m ³)	200
3	Air gap horizontal >66 mm (90 nominal) unventilated non-reflective (0.9/0.9; E = 0.82)	90
4	Plasterboard	10

Description: 200mm Concrete Floor slab with timber on underlay R1.5		
Top colour: Medium	Bottom colour: Medium	Area: 0.9 m ²
Top absorptance (%): 50	Bottom absorptance (%): 50	
Layer	Material	Thickness (mm)
1	Timber (hardwood)	18
2	Carpet underlay (rubber)	8
3	Concrete: standard (2400 kg/m ³)	200
4	Polystyrene extruded: R1.5	42

Description: as_FLOR-B003 #2004 © 200mm Concrete Floor slab with vinyl tiles R1.5		
Top colour: Medium	Bottom colour: Medium	Area: 2.0 m ²
Top absorptance (%): 50	Bottom absorptance (%): 50	
Layer	Material	Thickness (mm)
1	Vinyl (floor tiles)	3
2	Concrete: standard (2400 kg/m ³)	200
3	Polystyrene extruded: R1.5	42

Description: 200mm Concrete Floor slab with timber on underlay with ceiling		
Top colour: Medium	Bottom colour: Medium	Area: 13.2 m ²
Top absorptance (%): 50	Bottom absorptance (%): 50	
Layer	Material	Thickness (mm)
1	Timber (hardwood)	18
2	Carpet underlay (rubber)	8
3	Concrete: standard (2400 kg/m ³)	200
4	Air gap horizontal >66 mm (90 nominal) unventilated non-reflective (0.9/0.9; E = 0.82)	90
5	Plasterboard	10

	<h1 style="margin: 0;">AccuRate Sustainability</h1> <h2 style="margin: 0;">V2.3.3.13 SP3</h2> <h3 style="margin: 0;">Nationwide House Energy Rating Scheme</h3>	
--	---	--

Project Name: Lot 12 Narara		
File Name: D:\GEHunt\Mohr\Thermal\Mohr.PRO		
Postcode: 2250	Climate Zone: 15	Exposure: Suburban
Client Name: Deborah & Daniel Mohr		
Site Address:		
Design Option: M - L + del louvres bed		
Date: 06/04/2017	Time: 16:44:31	Page: 5

Construction details: Internal Walls

Description: 200 Hempcrete		
First colour: Medium	Last colour: Medium	Area: 1.9 m ²
First absorptance (%): 50	Last absorptance (%): 50	
Layer	Material	Thickness (mm)
1	Plaster (cement:sand 1:4)	10
2	Straw board	200
3	Plaster (cement:sand 1:4)	10

Description: 300mm Rammed earth - facework both sides		
First colour: Medium	Last colour: Medium	Area: 104.9 m ²
First absorptance (%): 50	Last absorptance (%): 50	
Layer	Material	Thickness (mm)
1	Rammed earth	300

Description: Stud frame wall - 10mm Plasterboard both sides - R2.0 bulk insulation		
First colour: Medium	Last colour: Medium	Area: 27.9 m ²
First absorptance (%): 50	Last absorptance (%): 50	
Layer	Material	Thickness (mm)
1	Plasterboard	10
2	Glass fibre batt: R2.0	88
3	Plasterboard	10

Description: 230mm Extruded clay brickwork facework both sides		
First colour: Medium	Last colour: Medium	Area: 23.6 m ²
First absorptance (%): 50	Last absorptance (%): 50	
Layer	Material	Thickness (mm)
1	Brickwork: generic extruded clay brick (typical density)	230

	<h1>AccuRate Sustainability</h1> <h2>V2.3.3.13 SP3</h2> <h3>Nationwide House Energy Rating Scheme</h3>	
--	--	--

Project Name: Lot 12 Narara		
File Name: D:\GEHunt\Mohr\Thermal\Mohr.PRO		
Postcode: 2250	Climate Zone: 15	Exposure: Suburban
Client Name: Deborah & Daniel Mohr		
Site Address:		
Design Option: M - L + del louvres bed		
Date: 06/04/2017	Time: 16:44:31	Page: 6

Construction details: Roofs

Description: Metal breathable membrane R5.0 plasterboard		
External colour: Light	Internal colour: Medium	Area: 124.5 m ²
External absorptance (%): 30	Internal absorptance (%): 50	
Layer	Material	Thickness (mm)
1	Steel	1
2	Air gap horizontal 17-30 mm (20 nominal) unventilated non-reflective (0.9/0.9; E = 0.82)	20
3	Polyester or polyester/wool blanket (k = 0.045 density = 16 kg/m ³)	225
4	Plasterboard	10

Construction details: Roof Windows

Description: DG-Generic-02 A Clear Al DG DEFAULT ROOF WINDOW System 02: U = 4.22: SHGC = 0.72		
Manufacturer: DEFAULTS		
Version: 2.3.3.13.0.9	Expiry Date: 15/06/2019	
System U-value (NFRC): 4.22	SHGC (NFRC): 0.72	Area: 0.6 m ²
Frame type: Custom	Frame colour: Medium	
Frame fraction (%): 81	Frame absorptance (%): 50	
Layer	Material	Thickness (mm)
1	Glass	4
2	Glazing air gap (generic)	12
3	Glass	4

AccuRate Sustainability V2.3.3.13 SP3

Nationwide House Energy Rating Scheme

Project Name: Lot 12 Narara		
File Name: D:\GEHunt\Mohr\Thermal\Mohr.PRO		
Postcode: 2250	Climate Zone: 15	Exposure: Suburban
Client Name: Deborah & Daniel Mohr		
Site Address:		
Design Option: M - L + del louvres bed		
Date: 06/04/2017	Time: 16:44:31	Page: 7

Habitable zones						
Name	Type	Volume (m ³)	Floor height (m)	Ceiling height above floor (m)	Heated	Cooled
Study	Other (daytime usage)	33.6	0.2	2.7	Y	Y
Powder room	Other (daytime usage)	7.2	0.2	2.7	N	N
Living/Dining/Kitchen	Living/Kitchen	137.7	2.9	3.6	Y	Y
Bed 3	Bedroom	35.6	2.9	3.2	Y	Y
Bed 2	Bedroom	35.6	2.9	3.2	Y	Y
Bed 1	Bedroom	34.2	2.9	3.2	Y	Y
Lower stair/store	Other (daytime usage)	47.1	0.2	2.7	Y	Y
Upper stair/hall	Other (daytime usage)	75.3	2.9	4.4	Y	Y
Shower/bath	Other (daytime usage)	11.0	2.9	3.2	N	N
WC	Other (daytime usage)	6.4	2.9	3.2	N	N
Laundry	Other (daytime usage)	12.9	2.9	3.2	N	N

Habitable zones (continued)									
Name	Chimneys		Wall/Ceiling vents	Exhaust fans		Vented downlights	Unflued gas heaters	Ceiling fans	Type
	U/S	S		U/S	S				
Study	0	0	0	0	0	0	0	0	-
Powder room	0	0	0	0	1	0	0	0	-
Living/Dining/Kitchen	0	0	0	0	1	0	0	0	-
Bed 3	0	0	0	0	0	0	0	0	-
Bed 2	0	0	0	0	0	0	0	0	-
Bed 1	0	0	0	0	0	0	0	0	-
Lower stair/store	0	0	0	0	0	0	0	0	-
Upper stair/hall	0	0	0	0	0	0	0	0	-
Shower/bath	0	0	0	0	1	0	0	0	-
WC	0	0	0	0	1	0	0	0	-
Laundry	0	0	0	0	1	0	0	0	-

Sub-floor zones							
Name	Volume (m ³)	Floor height (m)	Ceiling height above floor (m)	Reflective	Openness	Wall cavity	Vent area (mm ² /m wall)
Subfloor	14.6	0.1	2.8	N	Enclosed	N	6000.0

AccuRate Sustainability V2.3.3.13 SP3

Nationwide House Energy Rating Scheme

Project Name: Lot 12 Narara		
File Name: D:\GEHunt\Mohr\Thermal\Mohr.PRO		
Postcode: 2250	Climate Zone: 15	Exposure: Suburban
Client Name: Deborah & Daniel Mohr		
Site Address:		
Design Option: M - L + del louvres bed		
Date: 06/04/2017	Time: 16:44:31	Page: 10

Living/Dining/Kitchen: External walls main data									
Wall	Construction	Azi (deg.)	L (m)	H (m)	Area (gross) (m ²)	Area (net) (m ²)	Fixed shade	Opening (m ²)	Opening Type
1	Lime render/300 Hempcrete/lime render	331	5.42	2.85	15.45	11.49	Eaves NW	0.00	Controlled
2	Lime render/300 Hempcrete/lime render	44	3.48	2.55	8.87	2.39	Eaves living east	0.00	Controlled
3	Lime render/300 Hempcrete/lime render	35	1.51	2.55	3.85	2.41	East dining eaves	0.00	Controlled
4	Lime render/300 Hempcrete/lime render	236	5.19	3.20	16.61	14.09	Eaves SW	0.00	Controlled
5	FC boards/breathable membrane/ R2.7 ins	112	1.53	0.30	0.46	0.46	None	0.00	Controlled
6	Lime render/300 Hempcrete/lime render	216	5.19	3.20	16.61	16.25	Eaves SW	0.00	Controlled

Living/Dining/Kitchen: External walls wing wall data							
Wall	Left Wing Wall			Right Wing Wall			Part of courtyard?
	Projection (m)	Horizontal Offset (m)	Vertical Offset (m)	Projection (m)	Horizontal Offset (m)	Vertical Offset (m)	
2	-	-	-	7.42	6.44	0.00	N
3	-	-	-	6.43	5.98	0.00	N

Living/Dining/Kitchen: External walls screen data						
Wall	Screen	Height (m)	Width (m)	Horizontal Offset (m)	Vertical Offset (m)	Monthly blocking factors
1	1	3.7	18.2	0.0	0.0	100,100,100,100,100,100,100,100,100,100,100,100
4	1	2.9	24.0	4.1	0.0	100,100,100,100,100,100,100,100,100,100,100,100
4	2	25.0	100.0	60.0	0.0	100,100,100,100,100,100,100,100,100,100,100,100
6	1	2.9	24.0	4.1	0.0	100,100,100,100,100,100,100,100,100,100,100,100
6	2	25.0	100.0	60.0	0.0	100,100,100,100,100,100,100,100,100,100,100,100

Living/Dining/Kitchen: External walls horizontal shading data										
Wall	Name	Projection (m)	Vertical Offset (m)	Horizontal Offset (m)	Length (m)	Other fixed shading				Monthly blocking factors (%)
						Projection (m)	Vertical Offset (m)	Horizontal Offset (m)	Length (m)	
1	Eaves NW	0.45	0.00	0.53	6.98	0.00	0.00	0.00	0.00	100,100,100,100,100,100,100,100,100,100,100,100
2	Eaves living east	2.50	1.24	1.94	4.45	0.45	0.00	2.50	6.93	100,100,100,100,100,100,100,100,100,100,100,100
3	East dining eaves	2.50	1.24	0.15	4.45	0.67	0.00	3.95	6.75	100,100,100,100,100,100,100,100,100,100,100,100
4	Eaves SW	0.27	0.05	0.75	11.60	0.00	0.00	0.00	0.00	100,100,100,100,100,100,100,100,100,100,100,100
6	Eaves SW	0.27	0.05	0.75	11.60	0.00	0.00	0.00	0.00	100,100,100,100,100,100,100,100,100,100,100,100

Living/Dining/Kitchen: Windows in walls										
Wall	Window Name	Type	Construction				Azi. (deg.)	H (m)	W (m)	Area (m ²)
			TIM-002-01 W	Timber B SG Clear: U = 5.40: SHGC = 0.63	TIM-001-01 W	Timber A SG Clear: U = 5.40: SHGC = 0.56				
1	W05	Louvre	TIM-002-01 W	Timber B SG Clear: U = 5.40: SHGC = 0.63			331	1.80	0.60	1.08
1	W06	Other	TIM-001-01 W	Timber A SG Clear: U = 5.40: SHGC = 0.56			331	0.75	2.40	1.80
1	W07	Louvre	TIM-002-01 W	Timber B SG Clear: U = 5.40: SHGC = 0.63			331	1.80	0.60	1.08
2	D02	Sliding	TIM-002-01 W	Timber B SG Clear: U = 5.40: SHGC = 0.63			44	2.40	2.70	6.48
3	W09	Casement	TIM-001-01 W	Timber A SG Clear: U = 5.40: SHGC = 0.56			35	1.20	1.20	1.44
4	W10	Louvre	TIM-002-01 W	Timber B SG Clear: U = 5.40: SHGC = 0.63			236	2.10	0.60	1.26
4	W11	Louvre	TIM-002-01 W	Timber B SG Clear: U = 5.40: SHGC = 0.63			236	2.10	0.60	1.26
6	W31	Louvre	TIM-002-01 W	Timber B SG Clear: U = 5.40: SHGC = 0.63			216	0.60	0.60	0.36

Living/Dining/Kitchen: Windows in walls (continued)									
Wall	Window Name	Indoor covering	Outdoor covering	Fixed shade	HH (m)	HO (m)	Opening (%)	Weather stripped	Gap size
1	W05	Hollandblinds	None		2.70	0.45	90.00	Y	
1	W06	Hollandblinds	None		2.70	1.51	0.00	Y	
1	W07	Hollandblinds	None		3.20	4.34	90.00	Y	
2	D02	Hollandblinds	None		2.40	0.39	45.00	Y	
3	W09	Hollandblinds	None		2.40	0.15	90.00	Y	
4	W10	Hollandblinds	None		3.60	0.29	90.00	Y	
4	W11	Hollandblinds	None		3.60	3.85	90.00	Y	
6	W31	Hollandblinds	None		1.50	0.29	90.00	Y	

AccuRate Sustainability V2.3.3.13 SP3

Nationwide House Energy Rating Scheme

Project Name: Lot 12 Narara		
File Name: D:\GEHunt\Mohr\Thermal\Mohr.PRO		
Postcode: 2250	Climate Zone: 15	Exposure: Suburban
Client Name: Deborah & Daniel Mohr		
Site Address:		
Design Option: M - L + del louvres bed		
Date: 06/04/2017	Time: 16:44:31	Page: 11

Living/Dining/Kitchen: Internal walls								
Wall	Construction	L (m)	H (m)	Area (gross) (m ²)	Area (net) (m ²)	Adjacent Zone	Opening (m ²)	Opening Type
1	300mm Rammed earth - facework both sides	3.50	2.84	9.94	9.9	Bed 3	0.00	Controlled
2	Stud frame wall - 10mm Plasterboard both sides -	1.20	3.60	4.32	1.3	Upperstair/hall	2.99	Permanent
3	Stud frame wall - 10mm Plasterboard both sides -	1.23	2.80	3.44	3.4	Laundry	0.00	Controlled
4	200 Hempcrete	0.60	3.20	1.92	1.9	Bed 3	0.00	Controlled

Living/Dining/Kitchen: Floors							
Floor	Construction	Area (gross) (m ²)	Area (net) (m ²)	Under the floor	Edge Ins.	Opening (m ²)	Opening Type
1	150mm Concrete Floor slab with timber on unde	25.0	25.0	Ground		0.00	Controlled
2	150mm Concrete Floor slab (no insul)	5.8	5.8	Ground		0.00	Controlled
3	150mm Concrete Floor slab (no insul)	17.4	17.4	Ground		0.00	Controlled

Living/Dining/Kitchen: Roofs						
Roof	Construction	Area (gross) (m ²)	Area (net) (m ²)	Azi (deg.)	Pitch (deg.)	Exposure
1	Metal breathable membrane R5.0 plasterboard	48.20	48.20	50	5	Normal

AccuRate Sustainability
V2.3.3.13 SP3
Nationwide House Energy
Rating Scheme

Project Name: Lot 12 Narara		
File Name: D:\GEHunt\Mohr\Thermal\Mohr.PRO		
Postcode: 2250	Climate Zone: 5	Exposure: Suburban
Client Name: Deborah & Daniel Mohr		
Site Address:		
Design Option: M - L + del louvres bed		
Date: 06/04/2017	Time: 16:44:31	Page: 12

Bed 3: External walls main data									
Wall	Construction	Azi (deg.)	L (m)	H (m)	Area (gross) (m ²)	Area (net) (m ²)	Fixed shade	Opening (m ²)	Opening Type
1	Lime render/300 Hempcrete/lime render	14	2.87	2.55	7.32	3.00	East dining eaves	0.00	Controlled

Bed 3: External walls wing wall data							
Wall	Left Wing Wall			Right Wing Wall			Part of courtyard?
	Projection (m)	Horizontal Offset (m)	Vertical Offset (m)	Projection (m)	Horizontal Offset (m)	Vertical Offset (m)	
1	2.30	4.86	0.00	4.02	4.86	0.00	Y

Bed 3: External walls horizontal shading data										
Wall	Name	Projection (m)	Eaves			Other fixed shading				
			Vertical Offset (m)	Horizontal Offset (m)	Length (m)	Projection (m)	Vertical Offset (m)	Horizontal Offset (m)	Length (m)	Monthly blocking factors (%)
1	East dining eaves	2.50	1.24	-2.50	4.45	0.67	0.00	0.80	6.75	100,100,100,100,100,100,100,100,100,100,100

Bed 3: Windows in walls										
Wall	WindowName	Type	Construction				Azi (deg.)	H (m)	W (m)	Area (m ²)
1	D03	Sliding	TIM-002-01 W	Timber B SG Clear: U = 5.40: SHGC = 0.63			14	2.40	1.80	4.32

Bed 3: Windows in walls (continued)									
Wall	WindowName	Indoor covering	Outdoor covering	Fixed shade	HH (m)	HO (m)	Opening (%)	Weather stripped	Gap size
1	D03	Hollandblinds	None		2.40	0.45	45.00	Y	

Bed 3: Internal walls									
Wall	Construction	L (m)	H (m)	Area (gross) (m ²)	Area (net) (m ²)	Adjacent Zone	Opening (m ²)	Opening Type	
1	300mm Rammed earth - facework both sides	3.50	2.84	9.94	9.9	Living/Dining/Kitchen	0.00	Controlled	
2	200 Hempcrete	0.60	3.20	1.92	1.9	Living/Dining/Kitchen	0.00	Controlled	
3	300mm Rammed earth - facework both sides	3.99	3.20	12.77	10.4	Upperstair/hall	2.40	Controlled	
4	300mm Rammed earth - facework both sides	3.50	2.84	9.94	9.9	Bed 2	0.00	Permanent	

Bed 3: Floors									
Floor	Construction	Area (gross) (m ²)	Area (net) (m ²)	Under the floor	Edge Ins.	Opening (m ²)	Opening Type		
1	150mm Concrete Floor slab with linoleum (no	13.1	13.1	Ground		0.00	Controlled		

Bed 3: Roofs						
Roof	Construction	Area (gross) (m ²)	Area (net) (m ²)	Azi (deg.)	Pitch (deg.)	Exposure
1	Metal breathable membrane R5.0 plasterboard	13.10	13.10	14	5	Normal

AccuRate Sustainability V2.3.3.13 SP3

Nationwide House Energy Rating Scheme

Project Name: Lot 12 Narara		
File Name: D:\GEHunt\Mohr\Thermal\Mohr.PRO		
Postcode: 2250	Climate Zone: 15	Exposure: Suburban
Client Name: Deborah & Daniel Mohr		
Site Address:		
Design Option: M - L + del louvres bed		
Date: 06/04/2017	Time: 16:44:31	Page: 13

Bed 2: External walls main data									
Wall	Construction	Azi (deg.)	L (m)	H (m)	Area (gross) (m ²)	Area (net) (m ²)	Fixed shade	Opening (m ²)	Opening Type
1	Lime render/300 Hempcrete/lime render	346	2.87	2.55	7.32	3.00	Eaves Bed 2 + 1 NW	0.00	Controlled

Bed 2: External walls wing wall data							
Wall	Left Wing Wall			Right Wing Wall			Part of courtyard?
	Projection (m)	Horizontal Offset (m)	Vertical Offset (m)	Projection (m)	Horizontal Offset (m)	Vertical Offset (m)	
1	5.72	5.84	0.00	-	-	-	N

Bed 2: External walls screen data						
Wall	Screen	Height (m)	Width (m)	Horizontal Offset (m)	Vertical Offset (m)	Monthly blocking factors
1	1	3.7	18.2	13.3	3.6	100,100,100,100,100,100,100,100,100,100,100

Bed 2: External walls horizontal shading data										
Wall	Name	Projection (m)	Eaves			Other fixed shading				Monthly blocking factors (%)
			Vertical Offset (m)	Horizontal Offset (m)	Length (m)	Projection (m)	Vertical Offset (m)	Horizontal Offset (m)	Length (m)	
1	Eaves Bed 2 + 1 NW 0.65	-0.12	1.82	5.40	0.48	0.00	0.00	2.24	100,100,100,100,100,100,100,100,100,100,100	

Bed 2: Windows in walls										
Wall	Window Name	Type	Construction				Azi (deg.)	H (m)	W (m)	Area (m ²)
1	D04	Sliding	TIM-002-01 W	Timber B SG Clear:	U = 5.40:	SHGC = 0.63	346	2.40	1.80	4.32

Bed 2: Windows in walls (continued)										
Wall	Window Name	Indoor covering	Outdoor covering	Fixed shade	HH (m)	HO (m)	Opening (%)	Weather stripped	Gap size	
1	D04	Hollandblinds	None		2.40	0.47	45.00	Y		

Bed 2: Internal walls									
Wall	Construction	L (m)	H (m)	Area (gross) (m ²)	Area (net) (m ²)	Adjacent Zone	Opening (m ²)	Opening Type	
1	300mm Rammed earth - facework both sides	3.50	2.84	9.94	9.9	Bed 3	0.00	Permanent	
2	300mm Rammed earth - facework both sides	4.59	3.20	14.69	12.3	Upperstair/hall	2.40	Controlled	
3	300mm Rammed earth - facework both sides	3.50	2.84	9.94	9.9	Bed 1	0.00	Permanent	

Bed 2: Floors							
Floor	Construction	Area (gross) (m ²)	Area (net) (m ²)	Under the floor	Edge Ins.	Opening (m ²)	Opening Type
1	200mm Concrete Floor slab with linoleum (no	2.8	2.8	Powder room		0.00	Controlled
2	200mm Concrete Floor slab with linoleum (no i	5.4	5.4	Lowerstair/store		0.00	Controlled
3	as_FLOR-B003 #2004 © 200mm Concrete Floor sla	2.0	2.0	Subfloor		0.00	Controlled
4	150mm Concrete Floor slab with linoleum (no	2.8	2.8	Ground		0.00	Controlled

Bed 2: Roofs						
Roof	Construction	Area (gross) (m ²)	Area (net) (m ²)	Azi (deg.)	Pitch (deg.)	Exposure
1	Metal breathable membrane R5.0 plasterboard	13.10	13.10	346	5	Normal

AccuRate Sustainability V2.3.3.13 SP3

Nationwide House Energy Rating Scheme

Project Name: Lot 12 Narara		
File Name: D:\GEHunt\Mohr\Thermal\Mohr.PRO		
Postcode: 2250	Climate Zone: 15	Exposure: Suburban
Client Name: Deborah & Daniel Mohr		
Site Address:		
Design Option: M - L + del louvres bed		
Date: 06/04/2017	Time: 16:44:31	Page: 14

Bed 1: External walls main data									
Wall	Construction	Azi (deg.)	L (m)	H (m)	Area (gross) (m ²)	Area (net) (m ²)	Fixed shade	Opening (m ²)	Opening Type
1	Lime render/300 Hempcrete/lime render	323	2.90	2.55	7.39	3.07	Eaves Bed 2 + 1 NW	0.00	Controlled
2	Lime render/300 Hempcrete/lime render	139	1.14	3.20	3.65	3.65	Eaves Bed 1 south	0.00	Controlled
3	Lime render/300 Hempcrete/lime render	41	0.80	2.60	2.08	2.08	Eaves Bed 1 east	0.00	Controlled
4	FC boards/breathable membrane/ R2.7 ins	19	1.80	2.20	3.96	1.80	Eaves bay window Bed 1 NE	0.00	Controlled
5	FC boards/breathable membrane/ R2.7 ins	109	0.96	2.10	2.02	0.94	Eaves bay window BEd 1 SE	0.00	Controlled
6	Lime render/300 Hempcrete/lime render	41	0.60	3.00	1.80	1.80	Eaves Bed 1 east	0.00	Controlled

Bed 1: External walls wing wall data							
Wall	Left Wing Wall			Right Wing Wall			Part of courtyard?
	Projection (m)	Horizontal Offset (m)	Vertical Offset (m)	Projection (m)	Horizontal Offset (m)	Vertical Offset (m)	
1	5.76	8.81	0.00	-	-	-	N
2	-	-	-	2.60	3.15	-0.45	N
3	-	-	-	0.96	1.41	-0.52	N
6	0.96	0.67	2.40	-	-	-	N

Bed 1: External walls screen data						
Wall	Screen	Height (m)	Width (m)	Horizontal Offset (m)	Vertical Offset (m)	Monthly blocking factors
1	1	3.7	18.2	0.3	0.0	100,100,100,100,100,100,100,100,100,100,100,100

Bed 1: External walls horizontal shading data										
Wall	Name	Eaves			Other fixed shading					
		Projection (m)	Vertical Offset (m)	Horizontal Offset (m)	Length (m)	Projection (m)	Vertical Offset (m)	Horizontal Offset (m)	Length (m)	Monthly blocking factors (%)
1	Eaves Bed 2 + 1 NW	0.65	0.00	-1.10	5.40	0.48	0.00	0.00	2.24	100,100,100,100,100,100,100,100,100,100,100,100
2	Eaves Bed 1 south	0.45	0.05	0.00	2.18	0.00	0.00	0.00	0.00	100,100,100,100,100,100,100,100,100,100,100,100
3	Eaves Bed 1 east	0.60	0.00	2.93	4.70	0.00	0.00	0.00	0.00	100,100,100,100,100,100,100,100,100,100,100,100
	Eaves bay window Bed 1 NE	0.00	0.75	2.90	0.00	0.00	0.00	0.00	0.00	100,100,100,100,100,100,100,100,100,100,100,100
	Eaves bay window BEd 1 SE	-0.20	0.75	1.68	0.00	0.00	0.00	0.00	0.00	100,100,100,100,100,100,100,100,100,100,100,100
6	Eaves Bed 1 east	4.70	0.00	0.51	0.60	0.00	0.00	0.00	0.00	100,100,100,100,100,100,100,100,100,100,100,100

Bed 1: Windows in walls								
Wall	Window Name	Type	Construction		Azi. (deg.)	H (m)	W (m)	Area (m ²)
1	D05	Sliding	TIM-002-01 W	Timber B SG Clear: U = 5.40: SHGC = 0.63	323	2.40	1.80	4.32
4	W28	Sliding	TIM-002-01 W	Timber B SG Clear: U = 5.40: SHGC = 0.63	19	1.20	1.80	2.16
5	W23	Casement	TIM-001-01 W	Timber A SG Clear: U = 5.40: SHGC = 0.56	109	1.20	0.90	1.08

Bed 1: Windows in walls (continued)									
Wall	Window Name	Indoor covering	Outdoor covering	Fixed shade	HH (m)	HO (m)	Opening (%)	Weather stripped	Gap size
1	D05	Hollandblinds	None		2.40	0.54	45.00	Y	
4	W28	Hollandblinds	None		1.80	0.00	10.00	Y	
5	W23	Hollandblinds	None		1.80	0.06	10.00	Y	

Bed 1: Internal walls								
Wall	Construction	L (m)	H (m)	Area (gross) (m ²)	Area (net) (m ²)	Adjacent Zone	Opening (m ²)	Opening Type
1	300mm Rammed earth - facework both sides	3.50	2.84	9.94	9.9	Bed 2	0.00	Permanent
2	300mm Rammed earth - facework both sides	2.20	3.20	7.04	4.6	Upperstair/hall	2.40	Controlled

Bed 1: Floors							
Floor	Construction	Area (gross) (m ²)	Area (net) (m ²)	Under the floor	Edge Ins.	Opening (m ²)	Opening Type
1	200mm Concrete Floor slab with linoleum (no	12.9	12.9	Study		0.00	Controlled

**AccuRate Sustainability
V2.3.3.13 SP3**

**Nationwide House Energy
Rating Scheme**

Project Name: Lot 12 Narara		
File Name: D:\GEHunt\Mohr\Thermal\Mohr.PRO		
Postcode: 2250	Climate Zone: 15	Exposure: Suburban
Client Name: Deborah & Daniel Mohr		
Site Address:		
Design Option: M - L + del louvres bed		
Date: 06/04/2017	Time: 16:44:31	Page: 15

Bed 1: Roofs						
Roof	Construction	Area (gross) (m ²)	Area (net) (m ²)	Azi (deg.)	Pitch (deg.)	Exposure
1	Metal breathable membrane R5.0 plasterboard	8.10	8.10	346	5	Normal
2	Metal breathable membrane R5.0 plasterboard	3.50	3.50	320	5	Normal
3	Metal breathable membrane R5.0 plasterboard	1.80	1.80	124	12	Normal

AccuRate Sustainability V2.3.3.13 SP3

Nationwide House Energy Rating Scheme

Project Name: Lot 12 Narara		
File Name: D:\GEHunt\Mohr\Thermal\Mohr.PRO		
Postcode: 2250	Climate Zone: 15	Exposure: Suburban
Client Name: Deborah & Daniel Mohr		
Site Address:		
Design Option: M - L + del louvres bed		
Date: 06/04/2017	Time: 16:44:31	Page: 16

Lower stair/store: External walls main data

Wall	Construction	Azi (deg.)	L (m)	H (m)	Area (gross) (m ²)	Area (net) (m ²)	Fixed shade	Opening (m ²)	Opening Type
1	Lime render/300 Hempcrete/lime render	156	1.57	2.70	4.24	4.24	None	0.00	Controlled
2	Lime render/300 Hempcrete/lime render	129	1.64	2.70	4.43	4.43	None	0.00	Controlled
3	Lime render/300 Hempcrete/lime render	93	1.64	2.70	4.43	4.43	None	0.00	Controlled
4	Lime render/300 Hempcrete/lime render	66	1.16	2.70	3.15	1.89	None	0.00	Controlled

Lower stair/store: External walls wing wall data

Wall	Left Wing Wall			Right Wing Wall			Part of courtyard?
	Projection (m)	Horizontal Offset (m)	Vertical Offset (m)	Projection (m)	Horizontal Offset (m)	Vertical Offset (m)	
4	1.36	0.48	3.40	-	-	-	N

Lower stair/store: Windows in walls

Wall	WindowName	Type	Construction		Azi. (deg.)	H (m)	W (m)	Area (m ²)
4	W04	Louvre	TIM-002-02 W	Timber B SG Tint: U = 5.40: SHGC = 0.49	66	2.10	0.60	1.26

Lower stair/store: Windows in walls (continued)

Wall	WindowName	Indoorcovering	Outdoorcovering	Fixed shade	HH (m)	HO (m)	Opening (%)	Weather stripped	Gap size
4	W04	Hollandblinds	None		2.70	0.40	90.00	Y	

Lower stair/store: Internal walls

Wall	Construction	L (m)	H (m)	Area (gross) (m ²)	Area (net) (m ²)	Adjacent Zone	Opening (m ²)	Opening Type
1	230mm Extruded clay brickwork facework both sides	4.11	2.70	11.10	11.1	Subfloor	0.00	Controlled
2	300mm Rammed earth - facework both sides	1.93	2.70	5.21	5.2	Subfloor	0.00	Controlled
3	Stud frame wall - 10mm Plasterboard both sides -	0.90	2.60	2.34	0.4	Powder room	1.92	Controlled
4	Stud frame wall - 10mm Plasterboard both sides -	2.31	2.60	6.01	2.9	Study	3.06	Controlled
5	300mm Rammed earth - facework both sides	1.96	2.70	5.29	5.3	Study	0.00	Controlled
6	300mm Rammed earth - facework both sides	1.86	2.70	5.02	5.0	Lowerstair/store	0.00	Controlled

Lower stair/store: Floors

Floor	Construction	Area (gross) (m ²)	Area (net) (m ²)	Under the floor	Edge Ins.	Opening (m ²)	Opening Type
1	150mm Concrete Floor slab (no insul)	17.4	17.4	Ground		0.00	Controlled

Lower stair/store: Ceilings

Ceiling	Construction	Area (gross) (m ²)	Area (net) (m ²)	Above the ceiling	Opening (m ²)	Opening Type
1	200mm Concrete Floor slab with linoleum (no i	5.4	5.4	Bed 2	0.00	Controlled
2	200mm Concrete Floor slab with timber on und	8.6	3.0	Upperstair/hall	5.64	Controlled

AccuRate Sustainability V2.3.3.13 SP3

Nationwide House Energy Rating Scheme

Project Name: Lot 12 Narara		
File Name: D:\GEHunt\Mohr\Thermal\Mohr.PRO		
Postcode: 2250	Climate Zone: 15	Exposure: Suburban
Client Name: Deborah & Daniel Mohr		
Site Address:		
Design Option: M - L + del louvres bed		
Date: 06/04/2017	Time: 16:44:31	Page: 18

Upper stair/hall: Internal walls								
Wall	Construction	L (m)	H (m)	Area (gross) (m ²)	Area (net) (m ²)	Adjacent Zone	Opening (m ²)	Opening Type
1	Stud frame wall - 10mm Plasterboard both sides -	1.20	3.60	4.32	1.3	Living/Dining/Kitchen	2.99	Permanent
2	300mm Rammed earth - facework both sides	3.99	3.20	12.77	10.4	Bed 3	2.40	Controlled
3	300mm Rammed earth - facework both sides	4.59	3.20	14.69	12.3	Bed 2	2.40	Controlled
4	300mm Rammed earth - facework both sides	2.20	3.20	7.04	4.6	Bed 1	2.40	Controlled
5	300mm Rammed earth - facework both sides	2.70	3.22	8.69	6.3	Shower/bath	2.40	Controlled
6	300mm Rammed earth - facework both sides	1.42	3.22	4.57	2.2	WC	2.40	Controlled
7	300mm Rammed earth - facework both sides	3.15	3.22	10.14	7.7	Laundry	2.40	Controlled
8	Stud frame wall - 10mm Plasterboard both sides -	1.40	2.80	3.92	3.9	Shower/bath	0.00	Controlled
9	Stud frame wall - 10mm Plasterboard both sides -	1.40	2.80	3.92	3.9	WC	0.00	Controlled

Upper stair/hall: Floors							
Floor	Construction	Area (gross) (m ²)	Area (net) (m ²)	Under the floor	Edge Ins.	Opening (m ²)	Opening Type
1	200mm Concrete Floor slab with timber on und	8.6	3.0	Lower stair/store		5.64	Controlled
2	200mm Concrete Floor slab with timber on und	4.6	4.6	Study		0.00	Controlled
3	200mm Concrete Floor slab with timber on und	0.9	0.9	Subfloor		0.00	Controlled
4	150mm Concrete Floor slab with timber on unde	6.5	6.5	Ground		0.00	Controlled

Upper stair/hall: Roofs						
Roof	Construction	Area (gross) (m ²)	Area (net) (m ²)	Azi (deg.)	Pitch (deg.)	Exposure
1	Metal breathable membrane R5.0 plasterboard	8.40	8.40	194	30	Normal
2	Metal breathable membrane R5.0 plasterboard	6.20	6.20	166	30	Normal
3	Metal breathable membrane R5.0 plasterboard	9.60	9.00	142	22	Normal

Upper stair/hall: Roof windows									
Roof	Roof window Name	Construction		Azi. (deg.)	Pitch (deg.)	Area (m ²)	Openable (%)	Indoor shading	Outdoor shading
1	SK1	DG-Generic-02 A	Clear A1 DG DEFAULT ROOF WIN	142	5	0.60	0	None	None

AccuRate Sustainability V2.3.3.13 SP3

Nationwide House Energy Rating Scheme

Project Name: Lot 12 Narara		
File Name: D:\GEHunt\Mohr\Thermal\Mohr.PRO		
Postcode: 2250	Climate Zone: 15	Exposure: Suburban
Client Name: Deborah & Daniel Mohr		
Site Address:		
Design Option: M - L + del louvres bed		
Date: 06/04/2017	Time: 16:44:31	Page: 19

Shower/bath: External walls main data

Wall	Construction	Azi (deg.)	L (m)	H (m)	Area (gross) (m ²)	Area (net) (m ²)	Fixed shade	Opening (m ²)	Opening Type
1	FC boards/breathable membrane/ R2.7 ins	166	2.99	2.40	7.18	5.65	Eaves south shower	0.00	Controlled

Shower/bath: External walls horizontal shading data

Wall	Name	Projection (m)	Eaves			Other fixed shading				Monthly blocking factors (%)
			Vertical Offset (m)	Horizontal Offset (m)	Length (m)	Projection (m)	Vertical Offset (m)	Horizontal Offset (m)	Length (m)	
1	Eaves south shower	0.45	-0.29	1.96	7.44	3.70	-0.26	7.70	4.80	100,100,100,100,100,100,100,100,100,100,100

Shower/bath: Windows in walls

Wall	WindowName	Type	Construction		Azi (deg.)	H (m)	W (m)	Area (m ²)
1	W15	Louvre	TIM-002-02 W	Timber B SG Tint: U = 5.40: SHGC = 0.49	166	1.50	0.75	1.13
1	W16	Sliding	TIM-002-02 W	Timber B SG Tint: U = 5.40: SHGC = 0.49	166	0.45	0.90	0.40

Shower/bath: Windows in walls (continued)

Wall	WindowName	Indoor covering	Outdoor covering	Fixed shade	HH (m)	HO (m)	Opening (%)	Weather stripped	Gap size
1	W15	Hollandblinds	None		2.25	0.10	90.00	Y	
1	W16	Hollandblinds	None		2.25	2.09	45.00	Y	

Shower/bath: Internal walls

Wall	Construction	L (m)	H (m)	Area (gross) (m ²)	Area (net) (m ²)	Adjacent Zone	Opening (m ²)	Opening Type
1	300mm Rammed earth - facework both sides	2.70	3.22	8.69	6.3	Upperstair/hall	2.40	Controlled
2	Stud frame wall - 10mm Plasterboard both sides -	1.40	2.80	3.92	3.9	Upperstair/hall	0.00	Controlled

Shower/bath: Floors

Floor	Construction	Area (gross) (m ²)	Area (net) (m ²)	Under the floor	Edge Ins.	Opening (m ²)	Opening Type
1	200mm Concrete Floor slab with ceramic tiles	2.4	2.4	Subfloor		0.00	Controlled
2	as_FLOR-B002 #1005 © 150mm Concrete Floor sla	1.5	1.5	Ground		0.00	Controlled

Shower/bath: Roofs

Roof	Construction	Area (gross) (m ²)	Area (net) (m ²)	Azi (deg.)	Pitch (deg.)	Exposure
1	Metal breathable membrane R5.0 plasterboard	4.51	4.51	166	30	Normal

AccuRate Sustainability V2.3.3.13 SP3

Nationwide House Energy Rating Scheme

Project Name: Lot 12 Narara		
File Name: D:\GEHunt\Mohr\Thermal\Mohr.PRO		
Postcode: 2250	Climate Zone: 15	Exposure: Suburban
Client Name: Deborah & Daniel Mohr		
Site Address:		
Design Option: M - L + del louvres bed		
Date: 06/04/2017	Time: 16:44:31	Page: 20

WC: External walls main data

Wall	Construction	Azi (deg.)	L (m)	H (m)	Area (gross) (m ²)	Area (net) (m ²)	Fixed shade	Opening (m ²)	Opening Type
1	FC boards/breathable membrane/ R2.7 ins	183	1.60	2.40	3.84	2.90	Eaves south shower	0.00	Controlled

WC: External walls screen data

Wall	Screen	Height (m)	Width (m)	Horizontal Offset (m)	Vertical Offset (m)	Monthly blocking factors
1	1	2.6	5.2	3.7	0.0	100,100,100,100,100,100,100,100,100,100,100

WC: External walls horizontal shading data

Wall	Name	Eaves				Other fixed shading				Monthly blocking factors (%)
		Projection (m)	Vertical Offset (m)	Horizontal Offset (m)	Length (m)	Projection (m)	Vertical Offset (m)	Horizontal Offset (m)	Length (m)	
1	Eaves south shower	0.45	-0.29	-1.50	7.44	3.70	-0.26	3.60	4.80	100,100,100,100,100,100,100,100,100,100,100

WC: Windows in walls

Wall	WindowName	Type	Construction	Azi (deg.)	H (m)	W (m)	Area (m ²)
1	W23	Louvre	TIM-002-02 W Timber B SG Tint: U = 5.40: SHGC = 0.49	183	1.05	0.90	0.94

WC: Windows in walls (continued)

Wall	WindowName	Indoor covering	Outdoor covering	Fixed shade	HH (m)	HO (m)	Opening (%)	Weather stripped	Gap size
1	W23	Hollandblinds	None		2.25	0.60	90.00	Y	

WC: Internal walls

Wall	Construction	L (m)	H (m)	Area (gross) (m ²)	Area (net) (m ²)	Adjacent Zone	Opening (m ²)	Opening Type
1	300mm Rammed earth - facework both sides	1.42	3.22	4.57	2.2	Upperstair/hall	2.40	Controlled
2	Stud frame wall - 10mm Plasterboard both sides -	1.40	2.80	3.92	3.9	Upperstair/hall	0.00	Controlled
3	Stud frame wall - 10mm Plasterboard both sides -	1.40	2.80	3.92	3.9	Laundry	0.00	Permanent

WC: Floors

Floor	Construction	Area (gross) (m ²)	Area (net) (m ²)	Under the floor	Edge Ins.	Opening (m ²)	Opening Type
1	as_FLOR-B002 #1005 © 150mm Concrete Floor sla	2.3	2.3	Ground		0.00	Controlled

WC: Roofs

Roof	Construction	Area (gross) (m ²)	Area (net) (m ²)	Azi (deg.)	Pitch (deg.)	Exposure
1	Metal breathable membrane R5.0 plasterboard	2.65	2.65	194	30	Normal

AccuRate Sustainability V2.3.3.13 SP3

Nationwide House Energy Rating Scheme

Project Name: Lot 12 Narara		
File Name: D:\GEHunt\Mohr\Thermal\Mohr.PRO		
Postcode: 2250	Climate Zone: 15	Exposure: Suburban
Client Name: Deborah & Daniel Mohr		
Site Address:		
Design Option: M - L + del louvres bed		
Date: 06/04/2017	Time: 16:44:31	Page: 21

Laundry: External walls main data

Wall	Construction	Azi (deg.)	L (m)	H (m)	Area (gross) (m ²)	Area (net) (m ²)	Fixed shade	Opening (m ²)	Opening Type
1	FC boards/breathable membrane/ R2.7 ins	194	3.46	2.40	8.30	5.25	Eaves south shower	0.00	Controlled

Laundry: External walls screen data

Wall	Screen	Height (m)	Width (m)	Horizontal Offset (m)	Vertical Offset (m)	Monthly blocking factors
1	1	2.9	24.0	14.6	0.0	100,100,100,100,100,100,100,100,100,100,100
1	2	25.0	100.0	80.0	0.0	100,100,100,100,100,100,100,100,100,100,100
1	3	2.6	5.2	0.0	0.0	100,100,100,100,100,100,100,100,100,100,100

Laundry: External walls horizontal shading data

Wall	Name	Eaves				Other fixed shading				Monthly blocking factors (%)
		Projection (m)	Vertical Offset (m)	Horizontal Offset (m)	Length (m)	Projection (m)	Vertical Offset (m)	Horizontal Offset (m)	Length (m)	
1	Eaves south shower	0.45	-0.03	-5.09	7.44	3.70	-0.26	0.00	4.80	100,100,100,100,100,100,100,100,100,100,100

Laundry: Windows in walls

Wall	WindowName	Type	Construction		Azi (deg.)	H (m)	W (m)	Area (m ²)
1	W24	Louvre	TIM-002-02 W	Timber B SG Tint: U = 5.40: SHGC = 0.49	194	0.90	0.60	0.54
1	W25	Louvre	TIM-002-02 W	Timber B SG Tint: U = 5.40: SHGC = 0.49	194	0.90	0.60	0.54
1	Laundry door	Casement	TIM-001-01 W	Timber A SG Clear: U = 5.40: SHGC = 0.56	194	2.10	0.94	1.97

Laundry: Windows in walls (continued)

Wall	WindowName	Indoor covering	Outdoor covering	Fixed shade	HH (m)	HO (m)	Opening (%)	Weather stripped	Gap size
1	W24	Hollandblinds	None		2.10	2.80	90.00	Y	
1	W25	Hollandblinds	None		2.10	1.05	90.00	Y	
1	Laundry door	Hollandblinds	None		2.10	1.50	90.00	Y	

Laundry: Internal walls

Wall	Construction	L (m)	H (m)	Area (gross) (m ²)	Area (net) (m ²)	Adjacent Zone	Opening (m ²)	Opening Type
1	Stud frame wall - 10mm Plasterboard both sides -	1.23	2.80	3.44	3.4	Living/Dining/Kitchen	0.00	Controlled
2	300mm Rammed earth - facework both sides	3.15	3.22	10.14	7.7	Upperstair/hall	2.40	Controlled
3	Stud frame wall - 10mm Plasterboard both sides -	1.40	2.80	3.92	3.9	WC	0.00	Permanent

Laundry: Floors

Floor	Construction	Area (gross) (m ²)	Area (net) (m ²)	Under the floor	Edge Ins.	Opening (m ²)	Opening Type
1	as_FLOR-B002 #1005 © 150mm Concrete Floor sla	4.6	4.6	Ground		0.00	Controlled

Laundry: Roofs

Roof	Construction	Area (gross) (m ²)	Area (net) (m ²)	Azi (deg.)	Pitch (deg.)	Exposure
1	Metal breathable membrane R5.0 plasterboard	5.30	5.30	194	30	Normal

AccuRate Sustainability V2.3.3.13 SP3

Nationwide House Energy Rating Scheme

Project Name: Lot 12 Narara

File Name: D:\GEHunt\Mohr\Thermal\Mohr.PRO

Postcode: 2250

Climate Zone: 15

Exposure: Suburban

Client Name: Deborah & Daniel Mohr

Site Address:

Design Option: M - L + del louvres bed

Date: 06/04/2017

Time: 16:44:31

Page: 22

Subfloor: External walls main data

Wall	Construction	Azi (deg.)	L (m)	H (m)	Area (gross) (m ²)	Area (net) (m ²)	Fixed shade	Opening (m ²)	Opening Type
1	270mm extruded clay brick cavity wall (P	354	0.80	0.70	0.56	0.56	Timber deck north	0.00	Controlled
2	RETAINing wall-190mm concrete masonry wi	260	5.90	2.90	17.11	17.11	None	0.00	Controlled
3	RETAINing wall-190mm concrete masonry wi	166	2.84	2.90	8.24	8.24	None	0.00	Controlled

Subfloor: External walls horizontal shading data

Wall	Name	Eaves				Other fixed shading				Monthly blocking factors (%)
		Projection (m)	Vertical Offset (m)	Horizontal Offset (m)	Length (m)	Projection (m)	Vertical Offset (m)	Horizontal Offset (m)	Length (m)	
1	Timber deck north	0.82	0.00	3.35	2.40	1.50	0.00	6.30	3.60	100,100,100,100,100,100,100,100,100,100,100

Subfloor: Internal walls

Wall	Construction	L (m)	H (m)	Area (gross) (m ²)	Area (net) (m ²)	Adjacent Zone	Opening (m ²)	Opening Type
1	230mm Extruded clay brickwork facework both sides	4.11	2.70	11.10	11.1	Lowerstair/store	0.00	Controlled
2	230mm Extruded clay brickwork facework both sides	1.36	2.40	3.26	3.3	Powder room	0.00	Controlled
3	300mm Rammed earth - facework both sides	1.93	2.70	5.21	5.2	Lowerstair/store	0.00	Controlled
4	230mm Extruded clay brickwork facework both sides	6.40	1.00	6.40	6.4	Subfloor	0.00	Controlled
5	230mm Extruded clay brickwork facework both sides	3.50	0.80	2.80	2.8	Subfloor	0.00	Controlled

Subfloor: Floors

Floor	Construction	Area (gross) (m ²)	Area (net) (m ²)	Under the floor	Edge Ins.	Opening (m ²)	Opening Type
1	150mm Concrete Floor slab (no insul)	5.0	5.0	Ground		0.00	Controlled

Subfloor: Ceilings

Ceiling	Construction	Area (gross) (m ²)	Area (net) (m ²)	Above the ceiling	Opening (m ²)	Opening Type
1	as FLOR-B003 #2004 © 200mm Concrete Floor sla	2.0	2.0	Bed 2	0.00	Controlled
2	200mm Concrete Floor slab with timber on und	0.9	0.9	Upperstair/hall	0.00	Controlled
3	200mm Concrete Floor slab with ceramic tiles	2.4	2.4	Shower/bath	0.00	Controlled

