

ENEWERGY THERMAL PERFORMANCE & ENERGY EFFICIENCY

NatHERS Certificates (Thermal Performance) - BERS PRO V4 & V5 Residential BASIX (Energy & Water) Residential W.O.H. Certificates (Whole of Home) Residential DTS (Deemed to Satisfy) NCC3.12 Vol Two Commercial Section J, J4D6 DTS, J1V3 Compliance reports

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REQUIREMENTS FOR NSW 7 NATHERS (NCC-2022)

DATE	28/03/2025
ADDRESS	Lot 121 #7A Geoffrey Street Crowdy Head NSW 2427
DP #	1233169
CLIMATE ZONE	15
WIND SHIELDING	SUBURBAN
COMPANY	R & K Finlay-Jones c/o Jake Johnston Building Design

Proposed Insulation: (worst case scenario modelled where information not provided – as per tech notes)

 Framing Material: 	Timber
Roof colour:	Shale Grey – SA 0.44, Light (Solar absorptance <0.475)
• Roof:	R1.3 Foil Lined Blanket
• Ceilings (excludes eaves/Porch):	R6.0 flat Ceilings, R4.0 to raked
 Inter-Floor Ceilings: 	R3.0 between Garage Gnd & Upper Floor
 Walls to Roof space: 	≥R2.5
 External wall material: 	FC Sheet Direct fix
 External wall colour: 	Surfmist – SA 0.33, Light (Solar absorptance <0.475)
External walls:	R2.7HD + Vapour permeable foil (Including Garage)
 Internal walls: 	R2.7HD to Garage, LDRY perimeter & 1 st Floor Bath
• Slab:	R2.0 under
Cantilever Floors:	R3.0

Proposed Windows: *If alternative Glazing used to that modelled below, equal or lower U values & SHGC to be within 5% required (safety screens fitted where applicable to allow full openability % of all Upper Floor glazing)

Sliding/Stacker Doors	
74.8 m ² REY-027-003-001 REYNAERS	Uval 1.75 SHGC 0.27
Glass 6PH08(60)/24Ar/6Clr Frame	e Aluminium Sliding Door DG
Louvres	
9.3 m ² BRZ-006-008-001 BREEZWAY	Uval 4.29 SHGC 0.47
Glass 6LE Frame Aluminium Lou	vre Window SG
Garage W02 Sliding Window	
2.5 m ² CAP-030-012-001 CAPRAL	Uval 4.65 SHGC 0.60
Glass 6ET Frame Aluminium Slid	ing Window SG
Remainder of Sliding Windows	
4.0 m ² CAP-523-006-001 CAPRAL	Uval 2.25 SHGC 0.35
Fixed Windows 15.5 m ² CAP-148-012-001 CAPRAL	Uval 1.80 SHGC 0.30
15.5 III ² CAP-148-012-001 CAPRAL	Uval 1.80 SHOC 0.30
W16 Double Hung Window	
1.4 m ² CAP-520-022-001 CAPRAL	Uval 2.48 SHGC 0.30



Floor Coverings:

- Kitchen, Living, Dining, Hall, Rumpus, Loft & Storage:
- Bedrooms:
- Wet Areas: .
- Garage, Guest/Office: •

Ceiling Fans:

•	Living/Dining Zone:	1400mm x3
•	Rumpus:	1400mm x 2
•	Bed 1, Bed 2 & Bed 3	≥1200mm each

Ceiling Penetrations:

Allowance for ceiling penetrations for recessed LED downlights, exhaust fans and flues has been made as per the electrical plan. (if there is no lighting plan the certificate will state clearly that the dwelling has been rated without downlights and clients need to know that the dwelling will need to be rated again if these features are present – assessors should price return jobs accordingly) This adheres to BCA requirements for Ceiling penetration report. BCA 3.12.1 *modelled with Average Qty IC Rated Downlights*

Building sealing requirements:

- All exhaust fans to be fitted with dampers as per NCC. •
- External doors to be weather stripped and windows to comply with AS 2047.
- All gaps from service penetrations etc are to be sealed. As should internal doors to garage. •
- All chimneys and flues to have dampers as per BCA requirements 3.12.3.1.

ABCB NatHERS Heating & Cooling Load Limits ABCB Standard 2022.

CLIMATE ZONE # 15	BASIX TARGETS CSOG	PROPOSED DWELLING
NatHERS Star Rating Score	≥7.0 STARS	7.0 STARS
Cooling Loads MJ/m2.annum	≤30.1	25.1
Heating Loads MJ/m2.annum	≤47.1	25.3
Adjusted Total	≤51.0	50.4

Analysis

Building Elements modelled

House Zones 💼 🧃 🎒 🛩 OK	Building Element Details	
🖸 7 🗡	Project JJBD_aones_Lot 121 Geoffrey Street Crowdy Head Run 3 CHOMOY HEAD PC 2427 Lat -31.80 Long 352.70 Clamate File Clamate File	35.1 a^3 Concrete Slab on Ground 100mm Bare R 2.4 Bulk Insulation in Contact with Floor 31.2 a^3 Suspended Floor Timber Frame 10mm Visyl Jam R 3.6 Bulk Insulation in Contact with Floor
JJBD_Jones_Lot 121 Geoffrey Street Co climat15.TXT	Desling 0 / Numer: 1233169 Lot Numer: 121 Extrast Numer: 7 /	4.3 at Supposed Fiser Team The Carpetshaber Underlay Hem B 3.8 Bulk Isodation in Centet with Flor District Colling Internet File State File State S
Adjusted Cooling 25.1 MJ/m ² 4216 MJ Adjusted Heating 25.3 MJ/m ² 4250 MJ Adjusted Total 50.4 MJ/m ² 8466 MJ	Dial Number: Breat Name: Breat Name: Breat Name: Bister: Nite:	THUSS WE STRUCTURED IN THESE WE WERE ADDRESS ADDRES
Star Rating Energy Efficiency	Postcode: 2427 NCC Class: 1A	Roof (Herizostal area) 145.1 m² Corrugated Iron Timber Frame R 1.3 Bulk, Reflective Side Domn, No Air Gap Above B' slope - Skillion roof
80	Plan Pfan Heference: Job No: 001-HCD, Dute: 11/03/25 Prepared By: Dram: J.A.J. Juke Johnston Building Design	
10 TO	Assessor Textalls Assessor Textalls AMD: FRA Assessor Menorit - RERA	
50	Summary Conditioned Area 172.8 e* (178.9 m*)	
0 5 6 7 Star Rating	Unconditioned Area 91.8 m ¹ (85.1 m ³) Giared Common Area 0.8 m ¹ (8.4 m ¹) Total Floor Area 285.0 m ¹ (280.0 m ³) Total Floor Area 197.8 m ¹	
Area Adjustment 1 Area 167.88 m² Actual Cooling 26.4 MJ/m² 4429 MJ Actual Heating 26.6 MJ/m² 4465 MJ Actual Total 53.0 MJ/m² 8834 MJ	Total External Rolat don't area 11.1 a' Class to Floor Area 48.5 % Gross External Mail Area 204.8 a' Mai External Mail Area 16.2 a'	
House - All Zones	Blocker 42.4 a* WEY-627-083-001 HEYMARS Uval 1.75 1952 0.27 61.84 #FMBER(#)/144//62/ 53.6 WEZ-049-68-061 BESEXEX Uval 1.75 1952 0.47 53.6 WEZ-049-68-061 BESEXEX Uval 1.75 1952 0.47	
Monthly Cooling Energy Fr	0.1ams 4.L6 Frame Alamitian Lourne Window 55 2.5 m ² C2P-030-872-461 C2P50L Uval 4.65 SH02 0.60 0.1ams 64T	
	Trans. Literation 81 Litrop Reader 50 4, 6 at Co-57-200-em-610 CAPAL, USI 2, 7.5 100 C ±55 Class. Capacity Attraction 0, 2017/24 Litrop Reader 50 Capacity Attraction 0, 2017/24 Litrop Reader 50	
	Class 200.50 for Qr Ar134r/6 Frame Thermailly Review Adustion Fixed Window 00 1.4 at CaR-120-012-001 (2014), Link1 2.44 HOR 0.30 Class 340 PUBM, Uncl. 2.44 HOR 0.30 Class 340 PUBM (or Ar1724 Frame Thermailly Review Adustion Double Hung Window 00	
JEMAMJJASOND Monthly Heating Energy	External Mull 166.3 m ³ Fibre Stud Frame Punel Direct Fix R2.70 Bulk Insulation 19.3 m ⁴ Subrol Scin Punel Timber Frame R2.30 Bulk Insulation	
8	Internal Ball 06.3 m ⁻ Inder Stud Frame, Direct Fix Planterbard No Invalution 07.4 m ⁻ Tamer Stud Frame, Direct Fix Planterbard 8.2.7 Mula Invalution, No Air Gap	
Milling and a second se	External Floor 20.7 at Concrete Elab on Ground 100mm. Carpet-Habber Underlay 10mm R 2,0 Bulk Insulation in Contact with Floor 20.7 at Concrete Elab on Ground 100mm. Vengl Iomm R 2,0 Bulk Insulation in Contact with Floor 25.1 at Concrete Elab on Ground 10mm. Creanic Elite Sum R 2,2 Bulk Insulation in Contact with Floor	
J F M A M J J A S O N D	5.2.4 Building Element Details for JJBD_Jones_Lot 121 Geoffrey Street Crowdy Head Hun 3 Pag	5.2.4 Building Element Details for JJRD_Assex_Lot 123 Geoffrey Street Crowly Head Run 3 Page 2

HERA10030

ress 7A Geoffrey Street,CROWDY HEAD NSW,2427



BERS PRO V5 RUN

Vinyl Plank Carpet & Rubber underlay Ceramic Tiles Bare

Run 3

