BASIX[°]Certificate

Building Sustainability Index www.basix.nsw.gov.au

Single Dwelling

Certificate number: 1737642S

This certificate confirms that the proposed development will meet the NSW government's requirements for sustainability, if it is built in accordance with the commitments set out below. Terms used in this certificate, or in the commitments, have the meaning given by the document entitled "BASIX Definitions" dated 10/09/2020 published by the Department. This document is available at www.basix.nsw.gov.au

Secretary

Date of issue: Tuesday, 27 February 2024 To be valid, this certificate must be lodged within 3 months of the date of issue.



| Project summary | | |
|---------------------------|-------------------------|--------------------------|
| Project name | 51 Beech Street EVAN | S HEAD |
| Street address | 51 BEECH Street EVA | NS HEAD 2473 |
| Local Government Area | Richmond Valley Cound | cil |
| Plan type and plan number | Deposited Plan DP7584 | 403 |
| Lot no. | 10 | |
| Section no. | 33 | |
| Project type | dwelling house (detach | ed) - secondary dwelling |
| No. of bedrooms | 4 | |
| Project score | | |
| Water | v 41 | Target 40 |
| Thermal Performance | V Pass | Target Pass |
| Energy | 76 | Target 69 |
| Materials | -15 | Target n/a |



For any required changes to this BASIX certificate Please contact Senica Consultancy Group

P: 0280067784 E: info@senica.com.au

Certificate Prepared by

Name / Company Name: SENICA CONSULTANCY GROUP PTY LIMITED

ABN (if applicable): 48612864249

BASIX Department of Planning and Environment

www.basix.nsw.gov.au

Version: 4.01 / EUCALYPTUS 03 01 0

Description of project

Proiect address

| 110,000 addi 000 | |
|--|--|
| Project name | 51 Beech Street EVANS HEAD |
| Street address | 51 BEECH Street EVANS HEAD 2473 |
| Local Government Area | Richmond Valley Council |
| Plan type and plan number | Deposited Plan DP758403 |
| Lot no. | 10 |
| Section no. | 33 |
| Project type | |
| Project type | dwelling house (detached) - secondary dwelling |
| No. of bedrooms | 4 |
| Site details | |
| Site area (m²) | 800 |
| Roof area (m²) | 140 |
| Conditioned floor area (m ²) | 171.4 |
| Unconditioned floor area (m ²) | 13.8 |
| Total area of garden and lawn (m ²) | 80 |
| Roof area of the existing dwelling (m ²) | 110 |
| Number of bedrooms in the existing dwelling | 3 |

Assessor details and thermal loads Assessor number n/a Certificate number n/a Climate zone n/a Area adjusted cooling load (MJ/ n/a m².year) Area adjusted heating load (MJ/ n/a m².year) Project score Water 41 🖌 Target 40 Thermal Performance 4 Pass Target Pass Energy 76 Target 69 Materials -15 Target n/a

Department of Planning and Environment BASIX

Schedule of BASIX commitments

The commitments set out below regulate how the proposed development is to be carried out. It is a condition of any development consent granted, or complying development certificate issued, for the proposed development, that BASIX commitments be complied with.

| Water Commitments | Show on DA plans | Show on CC/CDC plans & specs | Certifier check |
|--|---------------------|---------------------------------|--------------------|
| Fixtures | | | |
| The applicant must install showerheads with a minimum rating of 4 star (> 6 but <= 7.5 L/min plus spray force and/or coverage tests) in all showers in the development. | | ~ | ~ |
| The applicant must install a toilet flushing system with a minimum rating of 4 star in each toilet in the development. | | ~ | ~ |
| The applicant must install taps with a minimum rating of 5 star in the kitchen in the development. | | ~ | |
| The applicant must install basin taps with a minimum rating of 5 star in each bathroom in the development. | | ~ | |
| Alternative water | | | |
| Rainwater tank | | | |
| The applicant must install a rainwater tank of at least 2000 litres on the site. This rainwater tank must meet, and be installed in accordance with, the requirements of all applicable regulatory authorities. | ~ | ~ | ~ |
| The applicant must configure the rainwater tank to collect rain runoff from at least 80 square metres of the roof area of the development (excluding the area of the roof which drains to any stormwater tank or private dam). | | ~ | ~ |
| The applicant must connect the rainwater tank to: | | | |
| all toilets in the development | | ✓ | ~ |
| at least one outdoor tap in the development (Note: NSW Health does not recommend that rainwater be used for human consumption in areas with potable water supply.) | | ~ | ~ |
| a tap that is located within 10 metres of the swimming pool in the development | | ~ | ~ |
| | | | |

| Water Commitments | Show on DA plans | Show on CC/CDC plans & specs | Certifier check |
|--|---------------------|---------------------------------|--------------------|
| The swimming pool must not have a volume greater than 18 kilolitres. | • | ~ | |
| The swimming pool must be outdoors. | ~ | ~ | |

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| Thermal Performance and Materials commitments | Show on DA plans | Show on CC/CDC plans & specs | Certifier check |
|--|---------------------|---------------------------------|--------------------|
| Do-it-yourself Method | | | - 1 - |
| General features | | | |
| The dwelling must be a Class 1 dwelling according to the National Construction Code, and must not have more than 2 storeys. | ~ | ~ | ~ |
| The conditioned floor area of the dwelling must not exceed 300 square metres. | ~ | ~ | ~ |
| The dwelling must not contain open mezzanine area exceeding 25 square metres. | ~ | ~ | ~ |
| The dwelling must not contain third level habitable attic room. | ~ | ~ | ~ |
| Floor, walls and ceiling/roof | - | • | - |
| The applicant must construct the floor(s), walls, and ceiling/roof of the dwelling in accordance with the specifications listed in the table below. | ~ | ~ | ~ |
| The applicant must adopt one of the options listed in the tables below to address thermal bridging in metal framed floor(s), walls and ceiling/roof of the dwelling. | ~ | ~ | ~ |
| The applicant must show through receipts that the materials purchased for construction are consistent with the specifications listed in the tables below. | | | ~ |

| Construction | Area - m² | Additional insulation required | Options to address thermal bridging | Other specifications |
|---|-----------|--------------------------------|--|----------------------|
| floor - concrete slab on ground, conventional slab. | 98 | nil;not specified | nil | |
| floor - above habitable rooms or mezzanine, particle board; frame: timber - H2 treated softwood | 59.1 | nil;none | nil | |
| floor - suspended floor above garage, particle board; frame: timber - H2 treated softwood. | 28.1 | nil;none | nil | |

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| timber - H2 treated softwood. roll; roof: foil/sarking. (solar absorptance 0.48-0.5 | ground. external wall: brick veneer; frame: 97.35 1.64 (or 2.20 including construction);fibreglass batts or roll + reflective foil in the cavity nil wall colour: Medium (solar absorptance 0.48-0.7) external wall: framed (fibre cement sheet or boards); frame: timber - H2 treated softwood. 95.3 1.70 (or 2.20 including construction);fibreglass batts or roll + reflective foil in the cavity nil wall colour: Medium (solar absorptance 0.48-0.7) external grage wall: brick veneer; frame: timber - H2 treated softwood. 33.35 none + reflective foil in the cavity nil wall colour: Medium (solar absorptance 0.48-0.7) external grage wall: brick veneer; frame: timber - H2 treated softwood. 33.35 none + reflective foil in the cavity nil nil external wall: plasterboard; frame: timber - H2 treated softwood. 152.3 none nil nil external wall: plasterboard; frame: timber - H2 treated softwood. 152.3 none nil roof space ventilation: unventilated; roof colour: mediat (solar absorptance 0.48-0.59); 0.5 to <1.0% of coling area uninsulated exiting an for of - flat ceiling / plasterboard; frame: timber - H2 treated softwood. 139.5 ceiling: 3 (down), roof: foil/sarking. nil roof space ventilation: unventilated; roof colour: mediat (solar absorptance 0.48-0.59); 0.5 to <1.0% of coling area uninsulated exiling an foro - flat ceiling / plasterboard; fra | Construction | Area - m² | Additional insulation required | Options to address thermal bridging | Other specifications |
|---|--|---------------------------------------|--------------------------------------|---|--|---|
| timber - H2 treated softwood. construction);fibreglass batts or roll + reflective foll in the cavity absorptance 0.48-0.7) external wall: framed (fibre cement) 95.3 1.70 (or 2.20 including construction);fibreglass batts or roll + reflective foll in the cavity nil wall colour: Medium (solar absorptance 0.48-0.7) external garage wall: brick veneer; frame: timber - H2 treated softwood. 33.35 none + reflective foil in the cavity nil mil subsorptance 0.48-0.7) external garage wall: brick veneer; frame: timber - H2 treated softwood. 33.35 none + reflective foil in the cavity nil nil nternal wall shared with garage: plasterboard; frame: timber - H2 treated softwood. 31 nil;none nil nil reated softwood. 152.3 none nil nil cof space ventilation: unventilated; roof colour: ms (solar absorptance 0.48-0.5, 0.5 to < 1.0% of coling as softword). | timber - H2 treated softwood. construction/fibreglass batts or roll + reflective foil in the cavity absorptance 0.48-0.7) stermal wall: framed (fibre cement) 95.3 1.70 (or 2.20 including construction)/fibreglass batts or roll + reflective foil in the cavity nil absorptance 0.48-0.7) extermal garage wall: brick veneer; frame: timber - H2 treated softwood. 33.35 none + reflective foil in the cavity nil construction/fibreglass batts or roll + reflective foil in the cavity nil extermal garage wall: brick veneer; frame: timber - H2 treated softwood. 33.35 none + reflective foil in the cavity nil nil extermal wall shared with garage: plasterboard; frame: timber - H2 treated softwood. 31 nil; none nil nil extermal wall: plasterboard; frame: timber - H2 treated softwood. 152.3 none nil roof space ventilation: unventilated; roof colour: mediti (solar absorptance 0.48-0.59); 0.50 0.51 0.50 | 0 | 36 | none | nil | |
| sheet or boards); frame: timber - H2 treated softwood. construction); fibreglass batts or roll + reflective foil in the cavity absorptance 0.48-0.7) external garage wall: brick veneer; frame: timber - H2 treated softwood. 33.35 none + reflective foil in the cavity nil nternal wall shared with garage: plasterboard; frame: timber - H2 treated softwood. 31 nil;none nil nternal wall: plasterboard; frame: timber - H2 treated softwood. 152.3 none nil ceiling: 3 (down), roof: foil/ sarking ;ceiling: 3 (down), roof: foil/ sarking ;ceiling: fibreglass batts or roll; roof: foil/sarking. nil roof space ventilation: unventilated; roof colour: m (solar absorptance 0.48-0.5, 0.5 to < 1.0% of ceiling are uninsulated Note • Insulation specified in this Certificate must be installed in accordance with the ABCB Housing Provisions (Part 13.2.2) of the National Construction Code. Note • Insulation leiding insulation listed in the table above is greater than R3.0, refer to the ABCB Housing Provisions (Part 13.2.3 (6)) of the National Construction Code. | sheet or boards); frame: timber - H2 treated softwood. absorptance 0.48-0.7) external garage wall: brick veneer; frame: timber - H2 treated softwood. 33.35 none + reflective foil in the cavity nil nernal wall shared with garage: plasterboard; frame: timber - H2 reated softwood. 31 nil;none nil nternal wall: plasterboard; frame: timber - H2 treated softwood. 152.3 none nil ceiling and roof - flat ceiling / pitched roof, framed - metal roof, timber - H2 treated softwood. 139.5 ceiling: 3 (down), roof: foil/ sarking ;ceiling: fibreglass batts or roll; roof: foil/sarking. nil roof space ventilation: unventilated; roof colou:: media (solar absorptance 0.48-0.5); 0.5 to < 1.0% of ceiling area uninsulated Note • Insulation specified in this Certificate must be installed in accordance with the ABCB Housing Provisions (Part 13.2.2) of the National Construction Code. Note • In some climate zones, insulation should be installed with due consideration of condensation and associated interaction with adjoining building materials. | - | 97.35 | construction);fibreglass batts or | nil | |
| frame: timber - H2 treated softwood. 31 nil;none nil nternal wall shared with garage: plasterboard; frame: timber - H2 treated softwood. 31 nil;none nil nternal wall: plasterboard; frame: timber - H2 treated softwood. 152.3 none nil reternal wall: plasterboard; frame: timber - H2 treated softwood. 139.5 ceiling: 3 (down), roof: foil/ sarking ;ceiling: fibreglass batts or roll; roof: foil/sarking. nil roof space ventilation: unventilated; roof colour: mm (solar absorptance 0.48-0.5 0.5 to _ 1.0% of ceiling area uninsulated Note • Insulation specified in this Certificate must be installed in accordance with the ABCB Housing Provisions (Part 13.2.2) of the National Construction Code. • If the additional ceiling insulation listed in the table above is greater than R3.0, refer to the ABCB Housing Provisions (Part 13.2.3 (6)) of the National Construction Code. | frame: timber - H2 treated softwood. 31 nil;none nil nternal wall shared with garage: plasterboard; frame: timber - H2 treated softwood. 31 nil;none nil nternal wall: plasterboard; frame: timber - H2 treated softwood. 152.3 none nil reated softwood. 139.5 ceiling: 3 (down), roof: foil/ sarking ;ceiling: fibreglass batts or roll; roof: foil/sarking. nil roof space ventilation: unventilated; roof colour: mediu (solar absorptance 0.48-0.59); 0.5 to < 1.0% of ceiling area uninsulated Note • Insulation specified in this Certificate must be installed in accordance with the ABCB Housing Provisions (Part 13.2.2) of the National Construction Code. • If the additional ceiling insulation listed in the table above is greater than R3.0, refer to the ABCB Housing Provisions (Part 13.2.3 (6)) of the National Construction Code. • In some climate zones, insulation should be installed with due consideration of condensation and associated interaction with adjoining building materials. | sheet or boards); frame: timber - | 95.3 | construction);fibreglass batts or | nil | |
| plasterboard; frame: timber - H2 12.3 none nil nternal wall: plasterboard; frame: timber - H2 treated softwood. 152.3 none nil seiling and roof - flat ceiling / pitched roof, framed - metal roof, timber - H2 treated softwood. 139.5 ceiling: 3 (down), roof: foil/ sarking ;ceiling: fibreglass batts or roll; roof: foil/sarking. nil roof space ventilation: unventilated; roof colour: mu (solar absorptance 0.48-0.5 0.5 to < 1.0% of ceiling area uninsulated Note • Insulation specified in this Certificate must be installed in accordance with the ABCB Housing Provisions (Part 13.2.2) of the National Construction Code. • Note • If the additional ceiling insulation listed in the table above is greater than R3.0, refer to the ABCB Housing Provisions (Part 13.2.3 (6)) of the National Construction Code. | plasterboard; frame: timber - H2 treated softwood. Internal wall: plasterboard; frame: timber - H2 treated softwood. timber - H2 treated softwood. timber - H2 treated softwood. H2 treated softwood. timber - H2 treated softwood. H2 treated softwood. H39.5 Ceiling: 3 (down), roof: foil/ sarking ;ceiling: fibreglass batts or roll; roof: foil/sarking. Note I Isulation specified in this Certificate must be installed in accordance with the ABCB Housing Provisions (Part 13.2.2) of the National Construction Code. I the additional ceiling insulation listed in the table above is greater than R3.0, refer to the ABCB Housing Provisions (Part 13.2.3 (6)) of the National Construction Code. I no ensulation specified in the table above is greater than R3.0, refer to the ABCB Housing Provisions (Part 13.2.3 (6)) of the National Construction Code. I no ensulation should be installed with due consideration of condensation and associated interaction with adjoining building materials. | rame: timber - H2 treated | 33.35 | none + reflective foil in the cavity | nil | |
| timber - H2 treated softwood. 139.5 ceiling: 3 (down), roof: foil/ sarking ;ceiling: fibreglass batts or roll; roof: foil/sarking. nil roof space ventilation: unventilated; roof colour: me (solar absorptance 0.48-0.5 0.5 to < 1.0% of ceiling area uninsulated Note • Insulation specified in this Certificate must be installed in accordance with the ABCB Housing Provisions (Part 13.2.2) of the National Construction Code. Note • If the additional ceiling insulation listed in the table above is greater than R3.0, refer to the ABCB Housing Provisions (Part 13.2.3 (6)) of the National Construction Code. | timber - H2 treated softwood. image: image: high construction image: | plasterboard; frame: timber - H2 | 31 | nil;none | nil | |
| pitched roof, framed - metal roof, timber - H2 treated softwood. sarking ;ceiling: fibreglass batts or roll; roof: foil/sarking. unventilated; roof colour: metal (solar absorptance 0.48-0.5 0.5 to < 1.0% of ceiling area uninsulated Note • Insulation specified in this Certificate must be installed in accordance with the ABCB Housing Provisions (Part 13.2.2) of the National Construction Code. Note • If the additional ceiling insulation listed in the table above is greater than R3.0, refer to the ABCB Housing Provisions (Part 13.2.3 (6)) of the National Construction Code. | pitched roof, framed - metal roof, timber - H2 treated softwood. sarking ;ceiling: fibreglass batts or roll; roof: foil/sarking. unventilated; roof colour: mediu (solar absorptance 0.48-0.59); 0.5 to < 1.0% of ceiling area uninsulated Note • Insulation specified in this Certificate must be installed in accordance with the ABCB Housing Provisions (Part 13.2.2) of the National Construction Code. Note • If the additional ceiling insulation listed in the table above is greater than R3.0, refer to the ABCB Housing Provisions (Part 13.2.3 (6)) of the National Construction Code. Note • In some climate zones, insulation should be installed with due consideration of condensation and associated interaction with adjoining building materials. | | 152.3 | none | nil | |
| • If the additional ceiling insulation listed in the table above is greater than R3.0, refer to the ABCB Housing Provisions (Part 13.2.3 (6)) of the National Construction Code. | Note • If the additional ceiling insulation listed in the table above is greater than R3.0, refer to the ABCB Housing Provisions (Part 13.2.3 (6)) of the National Construction Code. Note • In some climate zones, insulation should be installed with due consideration of condensation and associated interaction with adjoining building materials. | pitched roof, framed - metal roof, | 139.5 | sarking ;ceiling: fibreglass batts or | nil | unventilated; roof colour: mediur (solar absorptance 0.48-0.59); 0.5 to \leq 1.0% of ceiling area |
| • In some climate zones, insulation should be installed with due consideration of condensation and associated interaction with adjoining building materials. | | · · · · · · · · · · · · · · · · · · · | | | | |
| | • Thermal breaks must be installed in metal framed walls and applicable roofs in accordance with the ABCB Housing Provisions of the National Construction Code. | ote • In some climate zones, in: | sulation should be installed with du | e consideration of condensation and asso | ociated interaction with adjoining bui | lding materials. |
| • Thermal breaks must be installed in metal framed walls and applicable roofs in accordance with the ABCB Housing Provisions of the National Construction Code. | | • Thermal breaks must be in | nstalled in metal framed walls and | applicable roofs in accordance with the A | BCB Housing Provisions of the Nation | onal Construction Code. |
| | | | | | | |
| | | | | | | |

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| Thermal Performance and Materials commitments | Show on DA plans | Show on CC/CDC plans & specs | Certifier check |
|---|---------------------|---------------------------------|--------------------|
| Ceiling fans | | | - |
| The applicant must install at least one ceiling fan in at least one daytime habitable space, such as living room. | ~ | ~ | ~ |
| The applicant must install at least one ceiling fan in each bedroom. | ~ | ~ | ~ |
| • The minimum number and diameter of ceiling fans in a daytime habitable space must be installed in accordance with the ABCB Housing Provisions (Part 13.5.2) of the National Construction Code . | ~ | ~ | ~ |

| Thermal Performance and Materials commitments | Show on DA plans | Show on CC/CDC plans & specs | Certifier check |
|---|---------------------|---------------------------------|--------------------|
| Glazed windows, doors and skylights | | | |
| The applicant must install the windows, glazed doors and shading devices described in the table below, in accordance with the specifications listed in the table. Relevant overshadowing specifications must be satisfied for each glazed window and door. | ~ | ~ | ~ |
| The dwelling may have 1 skylight (<0.7 square metres) which is not listed in the table. | ~ | ~ | ~ |
| The following requirements must also be satisfied in relation to each window and glazed door: | ~ | ~ | ~ |
| • The applicant must install windows and glazed doors in accordance with the height and width, frame and glazing types listed in the table. | ~ | ~ | ~ |
| • Each window and glazed door must have a U- value no greater than that listed and a Solar Heat Gain Coefficient (SHGC) within the range listed. Total system U values and SHGC must be calculated in accordance with National Fenestration Rating Council (NFRC) conditions. | | ~ | ~ |
| • Overshadowing buildings/vegetation must be of the height and distance from the centre and the base of the window and glazed door, as specified in the 'overshadowing' column. | ~ | ~ | ~ |
| The applicant must install the skylights described in the table below, in accordance with the specifications listed in the table. Total skylight area must not exceed 3 square metres (the 3 square metre limit does not include the optional additional skylight of less than 0.7 square metres that does not have to be listed in the table). | ~ | ~ | ~ |

| Glazed window/door no. | Orientation | Maximum height (mm) | Maximum width (mm) | Frame and glass specification | Shading device (Dimension within 10%) | Overshadowing |
|---------------------------|-------------|---------------------|--------------------|--|--|------------------|
| 1021SW | NE | 1000.00 | 2100.00 | aluminium, single glazed (U-value: <=7, SHGC: 0.74 - 0.90) | eave 750 mm, 500 mm above head of window or glazed door | not overshadowed |
| 2142SD | NE | 2100.00 | 4200.00 | aluminium, single glazed (U-value: <=7, SHGC: 0.74 - 0.90) | eave 4450 mm, 950 mm above head of window or glazed door | not overshadowed |
| 1806DH | NE | 1800.00 | 600.00 | aluminium, single glazed (U-value: <=7, SHGC: 0.74 - 0.90) | eave 4450 mm, 550 mm above head of window or glazed door | not overshadowed |

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| Glazed window/door no. | Orientation | Maximum height (mm) | Maximum width (mm) | Frame and glass specification | Shading device (Dimension within 10%) | Overshadowing |
|---------------------------|-------------|---------------------|--------------------|--|---|------------------|
| 0924SW | NE | 900.00 | 2400.00 | aluminium, single glazed (U-value: <=7, SHGC: 0.74 - 0.90) | eave 750 mm, 200 mm above head of window or glazed door | not overshadowed |
| 1809DH | SE | 1800.00 | 900.00 | aluminium, single glazed (U-value: <=7, SHGC: 0.74 - 0.90) | eave 750 mm, 400 mm above head of window or glazed door | not overshadowed |
| 1809DH | SE | 1800.00 | 900.00 | aluminium, single glazed (U-value: <=7, SHGC: 0.74 - 0.90) | eave 750 mm, 400 mm above head of window or glazed door | not overshadowed |
| 1209DH | SE | 1200.00 | 900.00 | aluminium, single glazed (U-value: <=7, SHGC: 0.74 - 0.90) | eave 400 mm, 650 mm above head of window or glazed door | not overshadowed |
| 1209DH | SE | 1200.00 | 900.00 | aluminium, single glazed (U-value: <=7, SHGC: 0.74 - 0.90) | eave 400 mm, 650 mm above head of window or glazed door | not overshadowed |
| 2X12.450AW | SE | 900.00 | 1200.00 | aluminium, single glazed (U-value: <=7, SHGC: 0.74 - 0.90) | eave 750 mm, 200 mm above head of window or glazed door | not overshadowed |
| 1209DH | SE | 1200.00 | 900.00 | aluminium, single glazed (U-value: <=7, SHGC: 0.74 - 0.90) | eave 750 mm, 200 mm above head of window or glazed door | not overshadowed |
| 1206DH | SE | 1200.00 | 600.00 | aluminium, single glazed (U-value: <=7, SHGC: 0.74 - 0.90) | eave 750 mm, 200 mm above head of window or glazed door | not overshadowed |
| 1206DH | SE | 1200.00 | 600.00 | aluminium, single glazed (U-value: <=7, SHGC: 0.74 - 0.90) | eave 750 mm, 200 mm above head of window or glazed door | not overshadowed |
| 1206DH | SE | 1200.00 | 600.00 | aluminium, single glazed (U-value: <=7, SHGC: 0.74 - 0.90) | eave 750 mm, 200 mm above head of window or glazed door | not overshadowed |
| 1015SW | SW | 1000.00 | 1500.00 | aluminium, single glazed (U-value: <=7, SHGC: 0.74 - 0.90) | eave 750 mm, 400 mm above head of window or glazed door | not overshadowed |

| Glazed window/door no. | Orientation | Maximum height (mm) | Maximum width (mm) | Frame and glass specification | Shading device (Dimension within 10%) | Overshadowing |
|---------------------------|-------------|---------------------|--------------------|--|---|------------------|
| 0621SW | SW | 600.00 | 2100.00 | aluminium, single glazed (U-value: <=7, SHGC: 0.74 - 0.90) | eave 750 mm, 200 mm above head of window or glazed door | not overshadowed |
| 0621SW | SW | 600.00 | 2100.00 | aluminium, single glazed (U-value: <=7, SHGC: 0.74 - 0.90) | eave 750 mm, 200 mm above head of window or glazed door | not overshadowed |
| 0906SW | NW | 900.00 | 600.00 | aluminium, single glazed (U-value: <=7, SHGC: 0.74 - 0.90) | eave 750 mm, 400 mm above head of window or glazed door | not overshadowed |
| 1221SW | NW | 1200.00 | 2100.00 | aluminium, single glazed (U-value: <=7, SHGC: 0.74 - 0.90) | eave 750 mm, 400 mm above head of window or glazed door | not overshadowed |
| 1221SW | NW | 1200.00 | 2100.00 | aluminium, single glazed (U-value: <=7, SHGC: 0.74 - 0.90) | eave 750 mm, 400 mm above head of window or glazed door | not overshadowed |
| 1221SW | NW | 1200.00 | 2100.00 | aluminium, single glazed (U-value: <=7, SHGC: 0.74 - 0.90) | eave 750 mm, 400 mm above head of window or glazed door | not overshadowed |
| 1024SW | NW | 1000.00 | 2400.00 | aluminium, single glazed (U-value: <=7, SHGC: 0.74 - 0.90) | eave 750 mm, 200 mm above head of window or glazed door | not overshadowed |
| 1024SW | NW | 1000.00 | 2400.00 | aluminium, single glazed (U-value: <=7, SHGC: 0.74 - 0.90) | eave 750 mm, 200 mm above head of window or glazed door | not overshadowed |
| 1024SW | NW | 1000.00 | 2400.00 | aluminium, single glazed (U-value: <=7, SHGC: 0.74 - 0.90) | eave 750 mm, 200 mm above head of window or glazed door | not overshadowed |

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| Energy Commitments | Show on DA plans | Show on CC/CDC plans & specs | Certifier check |
|---|---------------------|--|----------------------|
| Hot water | | | |
| The applicant must install the following hot water system in the development, or a system with a higher energy rating: electric heat pump with a performance of 21 to 25 STCs or better. | ~ | ~ | ~ |
| Cooling system | | | |
| The applicant must install the following cooling system, or a system with a higher energy rating, in at least 1 living area: 1-phase airconditioning - ducted; Energy rating: 5 star (average zone) | | ~ | ~ |
| The applicant must install the following cooling system, or a system with a higher energy rating, in at least 1 bedroom: 1-phase airconditioning - ducted; Energy rating: 5 star (average zone) | | > | > |
| Heating system | | | |
| The applicant must install the following heating system, or a system with a higher energy rating, in at least 1 living area: 1-phase airconditioning - ducted; Energy rating: 5 star (average zone) | | ~ | ~ |
| The applicant must install the following heating system, or a system with a higher energy rating, in at least 1 bedroom: 1-phase airconditioning - ducted; Energy rating: 5 star (average zone) | | ~ | ~ |
| Ventilation | | | |
| The applicant must install the following exhaust systems in the development: | | | |
| At least 1 Bathroom: individual fan, ducted to façade or roof; Operation control: manual switch on/off | | ~ | ~ |
| Kitchen: individual fan, ducted to façade or roof; Operation control: manual switch on/off | | | |
| Laundry: natural ventilation only, or no laundry; Operation control: n/a | | Image: A second s | ~ |
| Artificial lighting | | | |
| The applicant must ensure that a minimum of 80% of light fixtures are fitted with fluorescent, compact fluorescent, or light-emitting- diode (LED) lamps. | | v | ~ |
| Natural lighting | | | |
| The applicant must install a window and/or skylight in the kitchen of the dwelling for natural lighting. | _ | _ | v |

| Energy Commitments | Show on DA plans | Show on CC/CDC plans & specs | Certifier check |
|---|--|---------------------------------|--------------------|
| The applicant must install a window and/or skylight in 3 bathroom(s)/toilet(s) in the development for natural lighting. | ~ | ~ | ~ |
| Swimming pool | | • | |
| The development must not incorporate any heating system for the swimming pool. | | ~ | |
| The applicant must install the following pump for the swimming pool in the development, or a pump with a higher energy rating: multi- speed with a performance of 4 stars. | | ~ | |
| The applicant must install a timer for the swimming pool pump in the development. | | ~ | |
| Alternative energy | - | | - |
| The applicant must install a photovoltaic system as part of the development. The applicant must connect this system to the development's electrical system. | | ~ | ~ |
| The photovolatic system must consist of: | | | |
| photovolatic collectors with the capacity to generate at least 1.5 peak kilowatts of electricity, installed at an angle between 10 degrees and 25 degrees to the horizontal facing north west | Image: A second s | ~ | ~ |
| Other | | • | |
| The applicant must install a fixed outdoor clothes drying line as part of the development. | | | |

Legend

In these commitments, "applicant" means the person carrying out the development.

Commitments identified with a V in the "Show on DA plans" column must be shown on the plans accompanying the development application for the proposed development (if a development application is to be lodged for the proposed development).

Commitments identified with a V in the "Show on CC/CDC plans and specs" column must be shown in the plans and specifications accompanying the application for a construction certificate / complying development certificate for the proposed development.

Commitments identified with a V in the "Certifier check" column must be certified by a certifying authority as having been fulfilled, before a final occupation certificate (either interim or final) for the development may be issued.