

# BASIX CERTIFICATION



Building Sustainability Index [www.basix.nsw.gov.au](http://www.basix.nsw.gov.au)

## Alterations and Additions

Certificate number: A352122

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 Alterations and Additions Definitions" dated 06/10/2017 published by the Department. This document is available at [www.basix.nsw.gov.au](http://www.basix.nsw.gov.au)

Secretary  
Date of issue: Wednesday, 13, November 2019  
To be valid, this certificate must be lodged within 3 months of the date of issue.

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Fixtures and systems		Show on DA Plans	Show on CC/CDC Plans & specs	Certifier Check
<b>Lighting</b>				
The applicant must ensure a minimum of 40% of new or altered light fixtures are fitted with fluorescent, compact fluorescent, or light-emitting-diode (LED) lamps.			✓	✓
<b>Fixtures</b>				
The applicant must ensure new or altered showerheads have a flow rate no greater than 9 litres per minute or a 3 star water rating.			✓	✓
The applicant must ensure new or altered toilets have a flow rate no greater than 4 litres per average flush or a minimum 3 star water rating.			✓	✓
The applicant must ensure new or altered taps have a flow rate no greater than 9 litres per minute or minimum 3 star water rating.			✓	
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Construction			Show on DA Plans	Show on CC/CDC Plans & specs	Certifier Check
<b>Insulation requirements</b>					
The applicant must construct the new or altered construction (floor(s), walls, and ceilings/roofs) in accordance with the specifications listed in the table below, except that a) additional insulation is not required where the area of new construction is less than 2m2, b) insulation specified is not required for parts of altered construction where insulation already exists.			✓	✓	✓
Construction	Additional insulation required (R-value)	Other specifications			
concrete slab on ground floor.	nil				
external wall: concrete block/plasterboard	R1.18 (or R1.70 including construction)				

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Glazing requirements						Show on DA Plans	Show on CC/CDC Plans & specs	Certifier Check
<b>Windows and glazed doors</b>								
<p>The applicant must install the windows, glazed doors and shading devices, in accordance with the specifications listed in the table below. Relevant overshadowing specifications must be satisfied for each window and glazed door.</p> <p>The following requirements must also be satisfied in relation to each window and glazed door:</p> <p>Each window or glazed door with standard aluminium or timber frames and single clear or toned glass may either match the description, or, have a U-value and a Solar Heat Gain Coefficient (SHGC) no greater than that listed in the table below. Total system U-values and SHGCs must be calculated in accordance with National Fenestration Rating Council (NFRC) conditions.</p> <p>For projections described in millimetres, the leading edge of each eave, pergola, verandah, balcony or awning must be no more than 500 mm above the head of the window or glazed door and no more than 2400 mm above the sill.</p> <p>Pergolas with polycarbonate roof or similar translucent material must have a shading coefficient of less than 0.35.</p> <p>Pergolas with fixed battens must have battens parallel to the window or glazed door above which they are situated, unless the pergola also shades a perpendicular window. The spacing between battens must not be more than 50 mm.</p>						✓	✓	✓
<b>Windows and glazed doors glazing requirements</b>								
Window / door no.	Orientation	Area of glass inc. frame (m <sup>2</sup> )	Overshadowing Height (m)	Distance (m)	Shading device	Frame and glass type		
W1	W	1.68	0	0	eave/verandah/pergola/balcony >=750 mm	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)		
W2	W	1.63	0	0	eave/verandah/pergola/balcony >=750 mm	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)		
W3	E	0.66	0	0	eave/verandah/pergola/balcony >=750 mm	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)		
W4	E	3.04	0	0	eave/verandah/pergola/balcony >=900 mm	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)		
W5	N	3.04	0	0	eave/verandah/pergola/balcony >=750 mm	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)		

Planning & Environment

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Glazing requirements						Show on DA Plans	Show on CC/CDC Plans & specs	Certifier Check
Window / door no.	Orientation	Area of glass inc. frame (m2)	Overshadowing Height (m) Distance (m)		Shading device	Frame and glass type		
W6	N	0.73	0	0	eave/verandah/ pergola/ balcony >=750 mm	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)		
W7	W	4.08	0	0	eave/verandah/ pergola/ balcony >=750 mm	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)		
W8	W	4.08	0	0	eave/verandah/ pergola/ balcony >=750 mm	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)		
W9	W	2.88	0	0	eave/verandah/ pergola/ balcony >=900 mm	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)		
W10	E	2.79	0	0	eave/verandah/ pergola/ balcony >=900 mm	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)		
W11	N	2.79	0	0	eave/verandah/ pergola/ balcony >=750 mm	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)		
W12	N	1.09	0	0	eave/verandah/ pergola/ balcony >=750 mm	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)		
W13	N	1.09	0	0	eave/verandah/ pergola/ balcony >=750 mm	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)		
D02	W	10.84	0	0	eave/verandah/ pergola/ balcony >=900 mm	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)		
D04	W	10.84	0	0	eave/verandah/ pergola/ balcony >=900 mm	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)		
D14	E	10.84	0	0	eave/verandah/ pergola/ balcony >=900 mm	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)		
W15	W	4.99	0	0	eave/verandah/ pergola/ balcony >=900 mm	standard aluminium, single clear, (or U-value: 7.63, SHGC: 0.75)		

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<b>Legend</b>	
In these commitments, "applicant" means the person carrying out the development.	
Commitments identified with a "✓" 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 "✓" in the "Show on CC/CDC plans & 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 "✓" in the "Certifier check" column must be certified by a certifying authority as having been fulfilled, before a final occupation certificate for the development may be issued.	
<div> <div>Planning &amp; Environment</div> <div>Building Sustainability Index <a href="http://www.basix.nsw.gov.au">www.basix.nsw.gov.au</a></div> </div>	

<p>ALTERATIONS AND ADDITIONS TO EXISTING DWELLING</p> <p>86 SIR THOMAS MITCHELL DRIVE, DAVIDSON, NSW 2085 15/195/DP249830</p>				<p><b>BASIS CERTIFICATION</b></p>		<table border="1"> <tr> <td colspan="2">purpose FOR DEVELOPMENT APPLICATION</td> <td>dwn</td> <td>dwg no</td> <td>issue</td> </tr> <tr> <td>proj no</td> <td>1901</td> <td rowspan="3">  </td> <td>KK</td> <td><b>A-DA-5003</b></td> <td><b>A</b></td> </tr> <tr> <td>scale</td> <td>@A2</td> <td colspan="3">Do not scale this drawing. Verify all dimensions on site before commencing any work. Copyright © This drawing remains the property of Kevork Kevorkian. Reproduction in whole or in part without prior consent is forbidden.</td> </tr> <tr> <td>created</td> <td>11/13/19</td> <td colspan="3"></td> </tr> <tr> <td colspan="5">applicant: KEVORK KEVORKIAN</td> <td></td> </tr> </table>		purpose FOR DEVELOPMENT APPLICATION		dwn	dwg no	issue	proj no	1901		KK	<b>A-DA-5003</b>	<b>A</b>	scale	@A2	Do not scale this drawing. Verify all dimensions on site before commencing any work. Copyright © This drawing remains the property of Kevork Kevorkian. Reproduction in whole or in part without prior consent is forbidden.			created	11/13/19				applicant: KEVORK KEVORKIAN					
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