

<p>1</p> <p>2</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p>	<p>A</p> <p>B</p> <p>C</p> <p>D</p> <p>I-JOIST BOTTOM FLANGE FIXING</p> <p>Install backer block for cladding attachment unless nailable sheathing is used</p> <p>Max. I-Joist Rim capacities table are shown on next page. For double I-Joists, the table capacities may be doubled. Filler block in between joists is not required.</p> <p>Attach I-Joist to top plate with Ø3.15x65mm nails at 150mm o.c. To avoid splitting the flange, start nails at least 40mm from the end. Drive nails at an angle to prevent splitting of the bearing plate. (when used for shear transfer, nail to the bearing plate with the same nails as required for decking).</p> <p>Wall sheathing, as required.</p> <p>CORRECT</p> <p>INCORRECT</p> <p>NOTES:</p> <ol style="list-style-type: none"> 1. Dimensions are in millimetres. 2. Tolerance on all dimensions to be +/- 0.5mm unless noted otherwise. 3. Written dimensions take precedence over scaled dimensions. <p>Private Confidential & Copyright This drawing is the exclusive property of Dindas Australia. Copyright & all rights reserved. You hereby agree and undertake that you will not in anyway utilize, copy reproduce or take advantage of the drawing (or any part thereof) and disclose any information to other parties without the written consent of Dindas Australia.</p> <p>SIZE A4</p> <p>SCALE N.T.S</p>	
<p>your partner for engineered timber solutions</p> <p>DINDAS AUSTRALIA ENGINEERING DIVISION</p> <p>433 Wondall Road, Tingalpa 4173, Queensland</p>	<p>DATE CREATED: 28/07/2020</p> <p>DRAWN BY: B.S</p> <p>CHECKED BY: --</p> <p>DWG REV: --</p> <p>TITLE: DETAIL 1F DOUBLE I-JOIST RIM</p>	<p>1</p> <p>2</p> <p>3</p> <p>4</p> <p>5</p> <p>6</p>

Rim Board / I-Joist Blocking	Thickness (mm)	Depth (mm)	Max. Factored Uniform Load, V(kN/m)	Max. Factored Concentrated Load, P (kN)
Flywood - F8	17	240	4.1	4.7
		300		4.5
		360		4.2
		400		4.1
Flywood - F8	22	240	5.1	6.3
		300		6.1
		360		5.8
		400		5.7
Flywood - F8	25	240	6.1	8.1
		300		7.9
		360		7.6
		400		7.5
Flywood-F11	17	240	5.1	5.3
		300		5.0
		360		4.7
		400		4.6
Flywood-F11	22	240	6.3	7.0
		300		6.8
		360		6.5
		400		6.3
RIFPI Joists	Flange width	240	7.6	9.0
		300		8.7
		360		8.5
		400		8.3
		Less than 400	20	-

Notes:

1. Tabulated factored capacities are for Category 1 or 2 applications and the load duration $k_1 \geq 0.8$.
 2. For load durations $k_1 < 0.8$, adjust the tabulated values by 0.71.

3. For rim board subjected to a combination of uniform and concentrated vertical loads with the same load duration k_1 : - First, the total factored applied concentrated load shall not exceed the factored concentrated load capacity (P) based on a load bearing plate with a min. width of 70mm. Second, the factored applied concentrated load shall be calculated as an equivalent uniform load based on the factored applied concentrated load divided by the point load bearing plate width.

The equivalent factored uniform load shall be applied to the existing factor uniform load to determine the total factored uniform load, which shall not exceed the factored uniform capacity (V). If the total factored uniform load exceeds the factored uniform capacity (V), appropriate squash blocks, double rim boards, or higher-grade rim boards shall be used to carry the concentrated vertical load.

4. The bearing resistance for the subfloor material and the sill plates shall be verified if the tabulated factored loads could be carried.
 5. These maximum factored load capacities shall not be used in the design of beam, or rafter.

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ENGINEERING DIVISION

433 Wondall Road, Tingalpa 4173, Queensland

DATE CREATED: 28/07/2020	TITLE:
DRAWN BY: B.S	RIM BOARD / I-JOIST BLOCKING MAX. FACTORED VERTICAL LOADS
CHECKED BY: --	
DWG REV: --	

NOTES:

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