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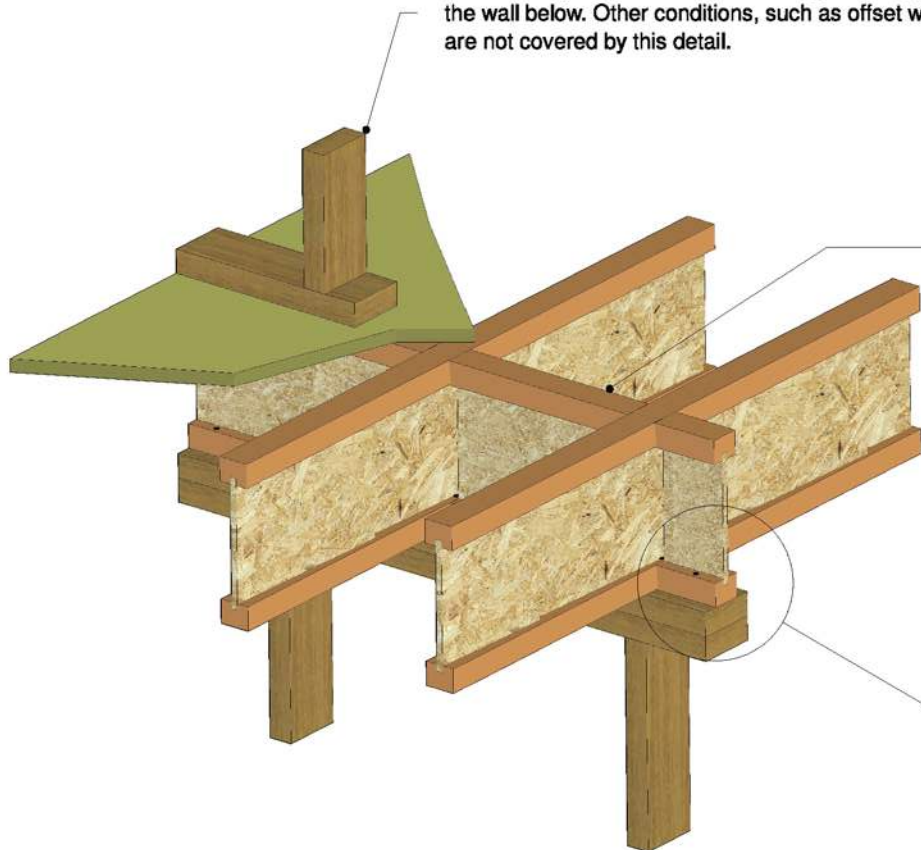
A

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Load bearing wall from above shall align vertically with the wall below. Other conditions, such as offset walls, are not covered by this detail.

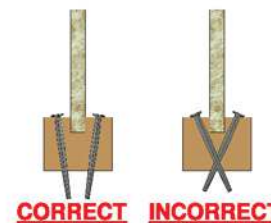


Blocking required over all interior supports under load-bearing walls or when floor joists are not continuous over supports.

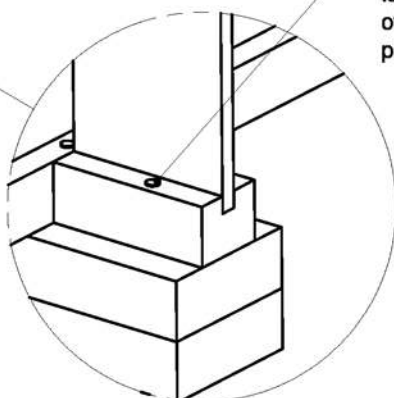
When two joists meet over a wall, provide 35mm minimum end bearing for each joist and install blocking to laterally support both joists.

Max. I-Joist Blocking factored capacity = 20 kN/m. Rim Board blocking capacities table are shown on next page.

**I-JOIST BOTTOM FLANGE FIXING**



Attach I-Joist blocking 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).



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DATE CREATED: 28/07/2020

DRAWN BY: B.S

CHECKED BY: --

DWG REV: --

TITLE:

DETAIL 1G  
BLOCKING AT INTERIOR SUPPORT

NOTES:

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.

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SIZE  
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Rim Board / I-Joist Blocking	Thickness (mm)	Depth (mm)	Max. Factored Uniform Load, V(kN/m)	Max. Factored Concentrated Load, P (kN)
Plywood - F8	17	240	4.1	4.7
		300		4.5
		360		4.2
		400		4.1
	22	240	5.1	6.3
		300		6.1
		360		5.8
		400		5.7
	25	240	6.1	8.1
		300		7.9
		360		7.6
		400		7.5
Plywood-F11	17	240	5.1	5.3
		300		5.0
		360		4.7
		400		4.6
	22	240	6.3	7.0
		300		6.8
		360		6.5
		400		6.3
	25	240	7.6	9.0
		300		8.7
		360		8.5
		400		8.3
RFPI Joists	Flange width	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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DATE CREATED: 28/07/2020

DRAWN BY: B.S

CHECKED BY: --

DWG REV: --

TITLE:

RIM BOARD / I-JOIST BLOCKING MAX.  
FACTORED VERTICAL LOADS

NOTES:

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