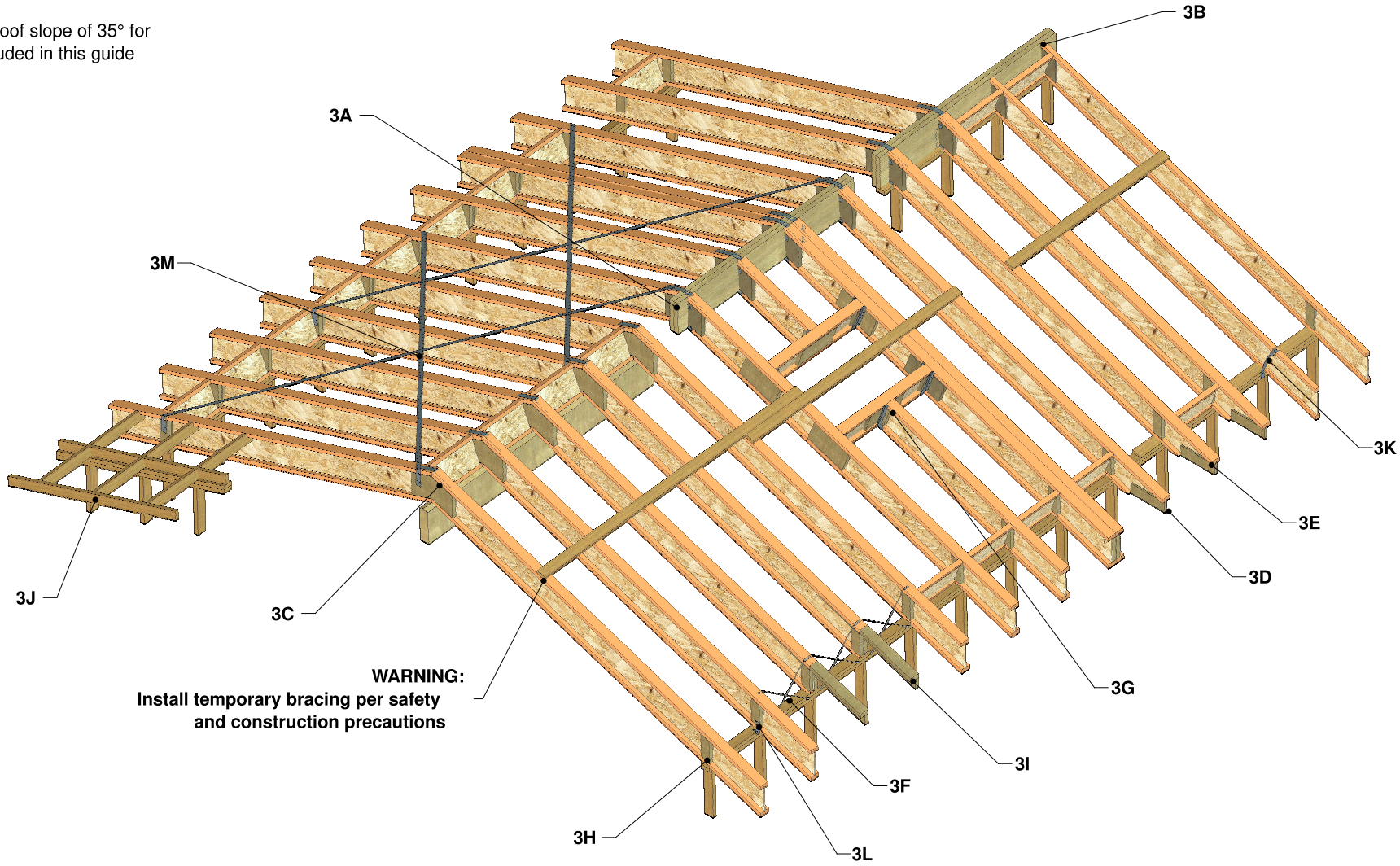
Notes:

Maximum roof slope of 35° for details included in this guide



your partner for engineered timber solutions DINDAS AUSTRALIA ENGINEERING DIVISION 433 Wondall Road, Tingalpa 4173, Queensland	DATE CREATED: 20/04/2021 DRAWN BY: B.S CHECKED BY: -- DWG REV: --	TITLE: TYPICAL ROOF FRAMING AND CONSTRUCTION DETAILS	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.		SIZE A4 SCALE N.T.S

Notes:

1. Do not allow workers on Roof I-Joists until all hangers, Rim Joists, Rim Boards, RFPI® Blocking Panels, and temporary strut lines are installed as specified below.
2. Failure to install temporary bracing may result in sideway buckling or roll-over under light construction loads.
3. Before laying out roof system components, verify that I-Joist flange widths match hanger widths.
4. When battens are installed, never deliberately walk on the battens mid span between the rafters.
5. Install temporary bracing per Safety and Construction Precautions.
6. The end of the cantilevers must be temporarily secured by bracing on both the top and bottom flanges.
7. Remove the temporary bracing only as required to install the permanent sheathing.
8. Except for cutting to length, never cut, drill, or notch I-Joist flanges.
9. I-Joists are produced without camber so either flange can be the top or bottom flange; however, orienting the floor I-Joists so the pre-scored knockouts are on the bottom may ease installation of electrical wiring or residential sprinkler systems.
10. Install I-Joists so that top and bottom flanges are within 2mm of true vertical alignment.
11. I-Joists must be anchored securely to supports before roof sheathing is attached, and supports for multiple-span joists must be level.
12. Minimum bearing lengths: 45mm for end bearings and 90mm for intermediate bearings.
13. When using hangers, seat I-Joists firmly in hanger bottoms to minimise settlement.
14. Leave a 2mm gap between the I-Joist end and a header.
15. Concentrated loads greater than those that can normally be expected in residential construction should only be applied to the top surface of the top flange. Never suspend unusual or heavy loads from the I-Joist's bottom flange. Whenever possible, suspend all concentrated loads from the top of the I-Joist. Or, attach the load to blocking that has been securely fastened to the I-Joist web.
16. Never install I-Joists where they will be permanently exposed to weather or where they will remain in direct contact with concrete or masonry
17. Restrain ends of roof joists to prevent rollover. Use rimboard, rim joists or I-Joist blocking panels.
18. For I-Joists installed over and beneath bearing walls, use full depth blocking panels, rimboard, or squash blocks to transfer gravity loads through the roof system to the wall or structure below.
19. Due to shrinkage, common framing timber set on edge cannot be used as blocking or rim boards. I-Joist blocking panels or other engineered wood products – such as rimboard – must be cut to fit between the I-Joists, and an I-Joist-compatible depth selected.
20. Provide permanent lateral support of the bottom flange of all I-Joists at interior supports of multiple-span joists. See **TABLE** below for recommended sheathing attachment with nails.
21. Do not stack construction materials (roof cladding, gyprock etc.) in the middle of the RFPI® I-Joist rafters.

Fastener size	Flange face nailing (mm)		Flange edge nailing (mm)		
	End distance	Nail spacing	End distance	Nailed to one flange edge	Nailed to both flange edges
Ø ≤ 3.25mm; 65mm < length ≤ 75mm	75	50	75	75	150
3.25mm < Ø ≤ 3.75mm; 65mm < length ≤ 75mm	75	75	75	75	150

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DINDAS AUSTRALIA
ENGINEERING DIVISION

433 Wondall Road, Tingalpa 4173, Queensland

DATE CREATED: 07/08/2020
DRAWN BY: B.S
CHECKED BY: --
DWG REV: --

TITLE:

ROOF FRAMING CONSTRUCTION NOTES

NOTES:

1. Dimensions are in millimetres.
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3. Written dimensions take precedence over scaled dimensions.

SIZE A4

SCALE N.T.S