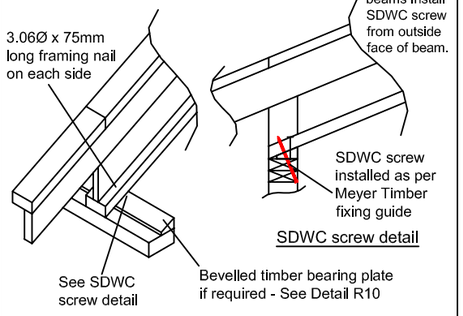
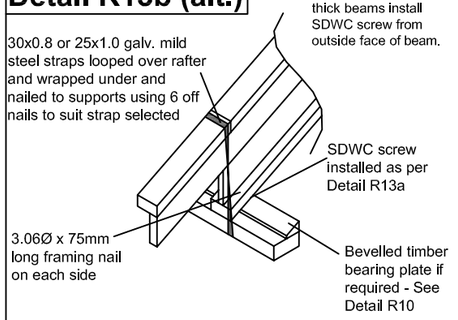
| Scale NTS | meyJOIST Installation Reference Sheet | meyJOIST Product Manual | Meyer Timber Website | Alternative rafter details for reduced overhangs using meyJOIST (this sheet) |
|---|---|---|---|---|

## Detail R13a (alt.)



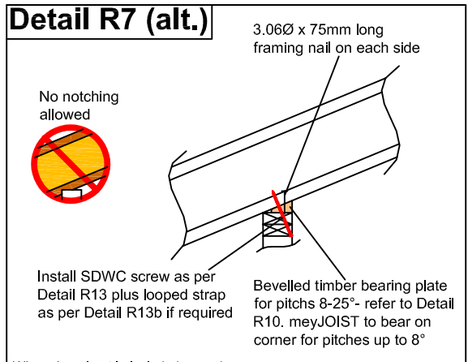

**Standard Rafter tie-down - using SDWC screw**

## Detail R13b (alt.)



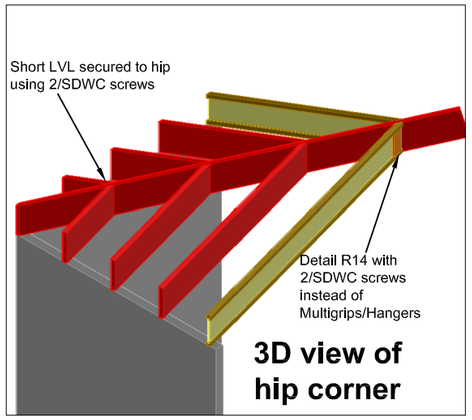

**High Capacity Rafter tie-down - using looped steel strap**

## Detail R7 (alt.)




Where bevel cut is included on end supports intermediate support wall height must be modified to suit

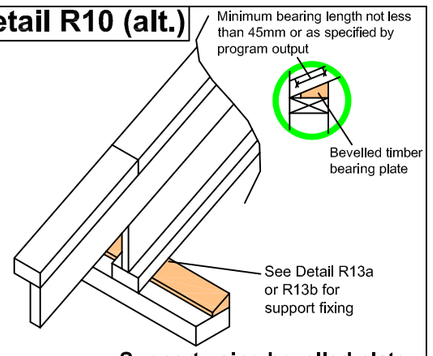
**Intermediate support**




**3D view of hip corner**

NOTE: These details are modified versions of those contained in the meyJOIST Product Manual

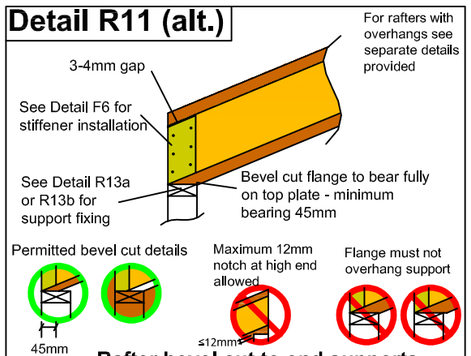
## Detail R10 (alt.)




**Support using bevelled plate**

Suitable for roof pitch up to 25°. For roof pitches greater than 25° seek engineers advice.

## Detail R11 (alt.)



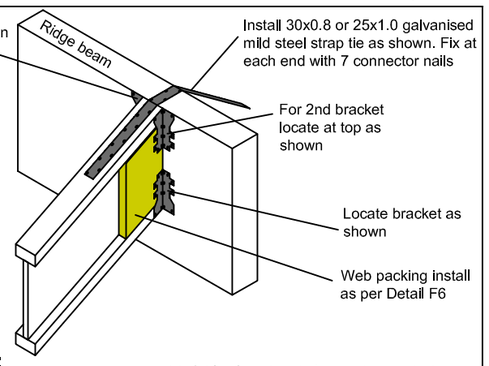

**Rafter bevel cut to end supports**

Suitable for roof pitch up to 8°. For roof pitches greater than 8° see Detail R10.

## Detail R14 (alt.)

Installation of multigrip brackets
- Install with split toward middle of beam depth
- For MJ200 and MJ240 use 1 bracket each side
- For MJ300 and deeper use 2 brackets each side
- Nail to each member as specified in the program output - distribute nails uniformly

NOTE:
For roof pitches < 5° multigrips can be replaced with partial depth hangers:
- 45mm wide meyJOIST use MH50175
- 63mm wide meyJOIST use MH65235
- 90mm wide meyJOIST use Pryda FB90200.

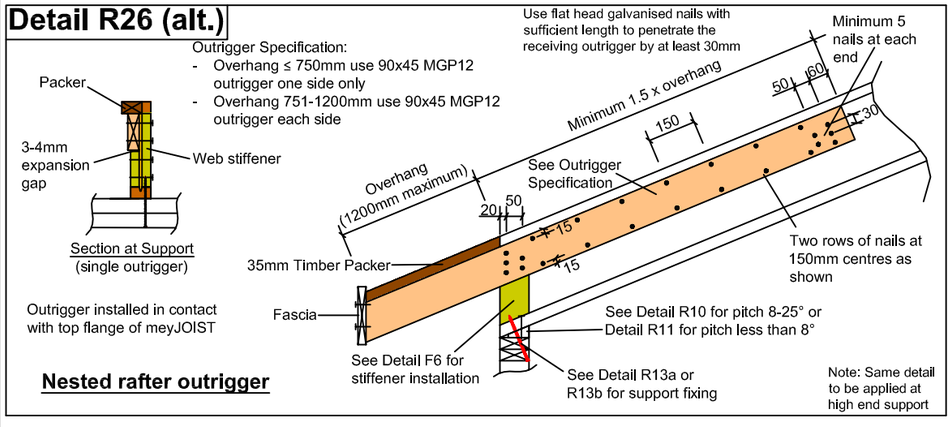



**Rafters support at ridge: face fixed to ridge beam**

Variable slope brackets may be used where avaliable - refer manufacturer's specifications

NOTE: These details are modified versions of those contained in the meyJOIST Product Manual

## Detail R26 (alt.)

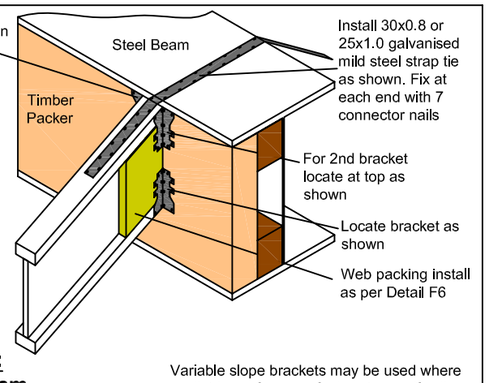



**Nested rafter outrigger**

## Detail R14a (alt.)

Installation of multigrip brackets
- Install with split toward middle of beam depth
- For MJ200 and MJ240 use 1 bracket each side
- For MJ300 and deeper use 2 brackets each side
- Nail to each member as specified in the program output - distribute nails uniformly

NOTE:
For roof pitches < 5° multigrips can be replaced with partial depth hangers:
- 45mm wide meyJOIST use MH50175
- 63mm wide meyJOIST use MH65235
- 90mm wide meyJOIST use Pryda FB90200.

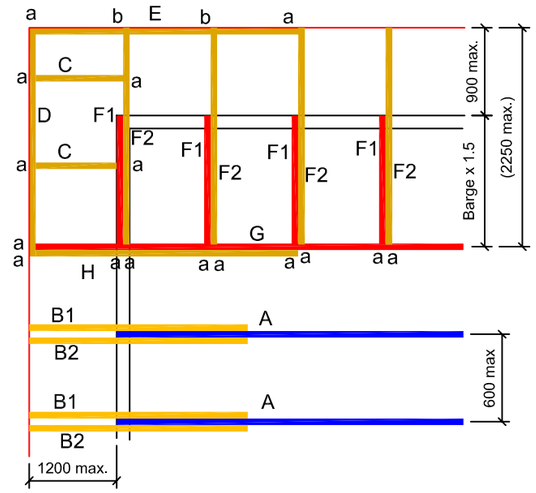



**Rafters support at ridge: face fixed to steel ridge beam**

Variable slope brackets may be used where avaliable - refer manufacturer's specifications

## Barge Overhang Detail

- Overhang <1200mm
- Barge <900mm




**Specification**

Timbers:
- A: meyJOIST
- B1: 90x45 MGP12
- B2: 90x45 MGP12 (only for O/hang 751-1200mm)
- C: 140x45 MGP10/F7
- D: 140x45 MGP10/F7
- E: 140x45 MGP10/F7
- F1: 300x45 meyFRAME10
- F2: 140x45 MGP10/F7
- G: 300x45 meyFRAME10 *
- H: 140x45 MGP10/F7

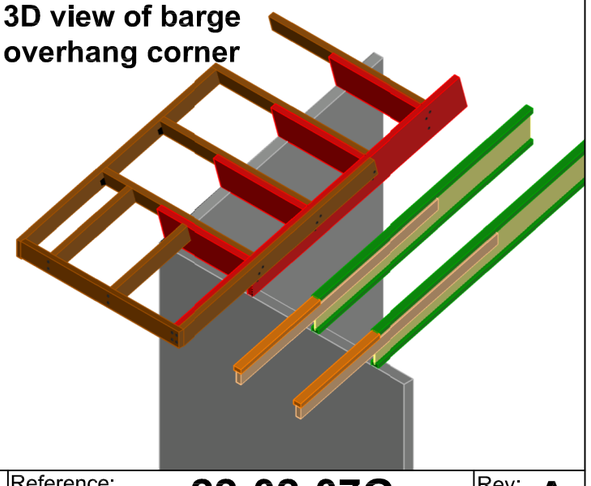
* Reduction cut back to 140mm in overhang area.

**Specification**

Connections:
- a: 2 off SDWS/TYKT 150mm long
- b: MH5090 joist hanger

Laminate 140x45 MGP10/F7 to 300x45 meyFRAME10 using 3.05Ø x 75mm long nails in 2 rows at 100mm centres.

## 3D view of barge overhang corner



NOTES:
1. Installation to be strictly in accordance with the meyJOIST product manual and details above.
2. If truss section adjoins rafter roof, external wall heights to be adjusted to ensure fascia lines match up.
3. No birdsmouth allowed on internal support of meyJOIST rafters.
4. Roof battens to be placed on top of outriggers where possible or alternate support to be added by builder.


Meyer TIMBER

Drawn: GD | Date: 26/05/2022
Chkd: AL | Version: 1
For: Meyer Timber

*Meyer Timber NSW*
*Castlereagh Road, Penrith, 2750*
*P: 02 4726 5900*


Reference: **22-02-07G** | Rev: **A**

Address: Alternate rafter details for reduced overhangs using meyJOIST

meyJOIST RAFTER DETAILS | A3