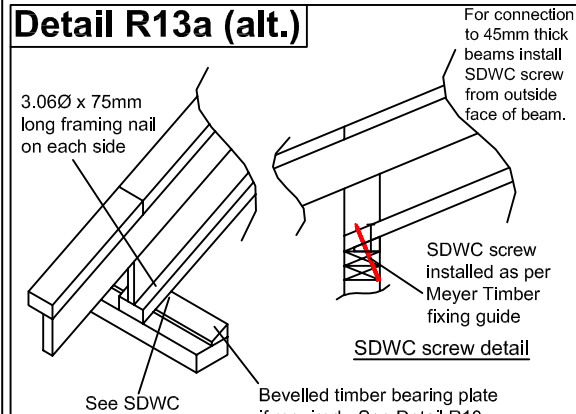


Detail R13a (alt.)



For connection to 45mm thick beams install SDWC screw from outside face of beam.

3.06Ø x 75mm long framing nail on each side

SDWC screw installed as per Meyer Timber fixing guide

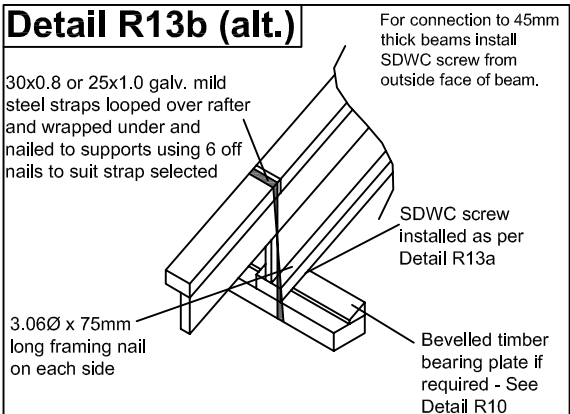
SDWC screw detail

See SDWC screw detail

Bevelled timber bearing plate if required - See Detail R10

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

Detail R13b (alt.)



For connection to 45mm thick beams install SDWC screw from outside face of beam.

30x0.8 or 25x1.0 galv. mild steel straps looped over rafter and wrapped under and nailed to supports using 6 off nails to suit strap selected

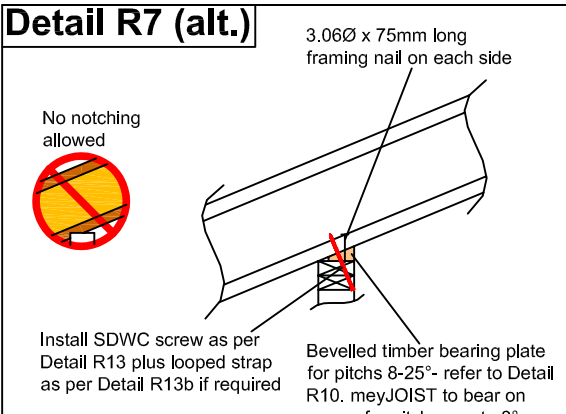
SDWC screw installed as per Detail R13a

3.06Ø x 75mm long framing nail on each side

Bevelled timber bearing plate if required - See Detail R10

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

Detail R7 (alt.)



3.06Ø x 75mm long framing nail on each side

No notching allowed

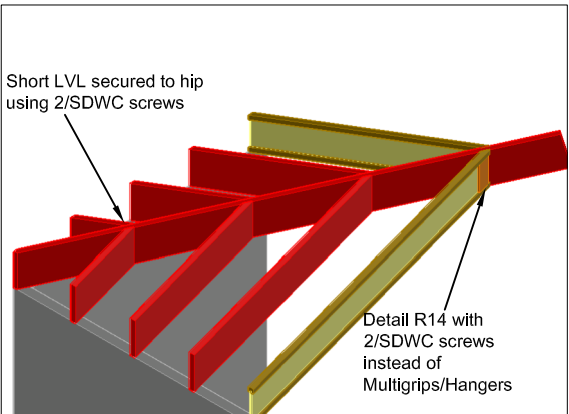
Install SDWC screw as per Detail R13 plus looped strap as per Detail R13b if required

Bevelled timber bearing plate for pitches 8-25° - refer to Detail R10. meyJOIST to bear on corner for pitches up to 8°

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

**Intermediate support**

3D view of hip corner

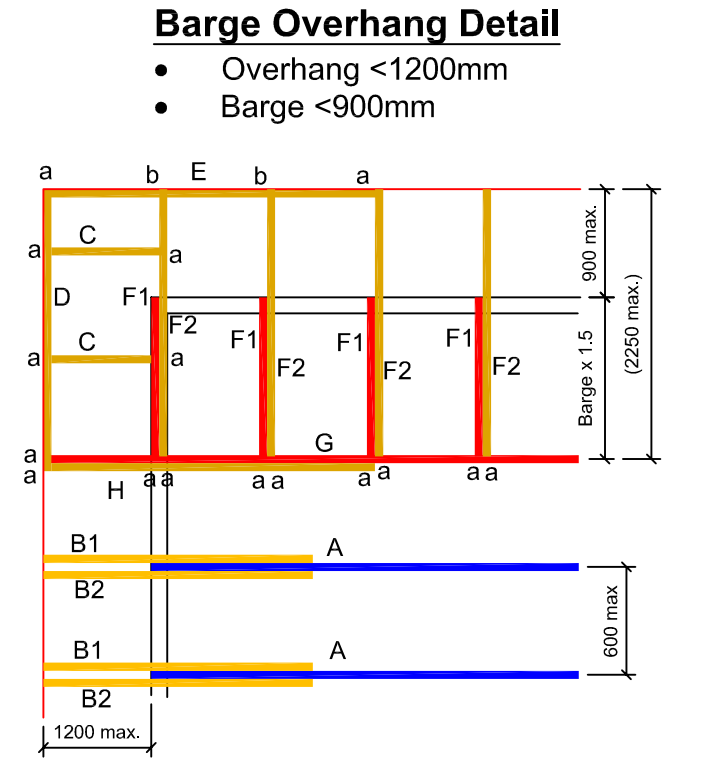


Short LVL secured to hip using 2/SDWC screws

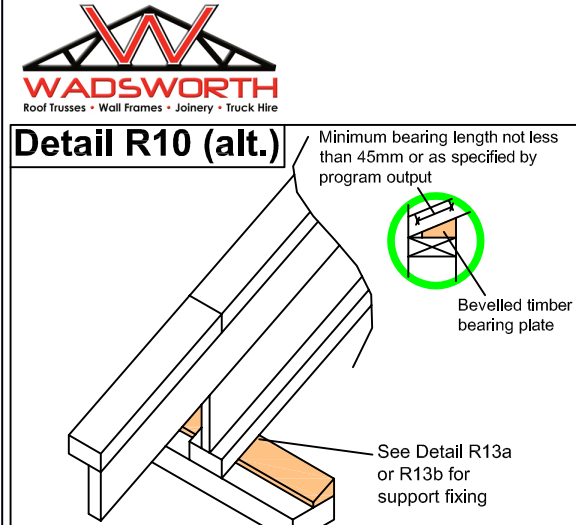
Detail R14 with 2/SDWC screws instead of Multigrips/Hangers

**Barge Overhang Detail**

- Overhang <1200mm
- Barge <900mm



Detail R10 (alt.)



Minimum bearing length not less than 45mm or as specified by program output

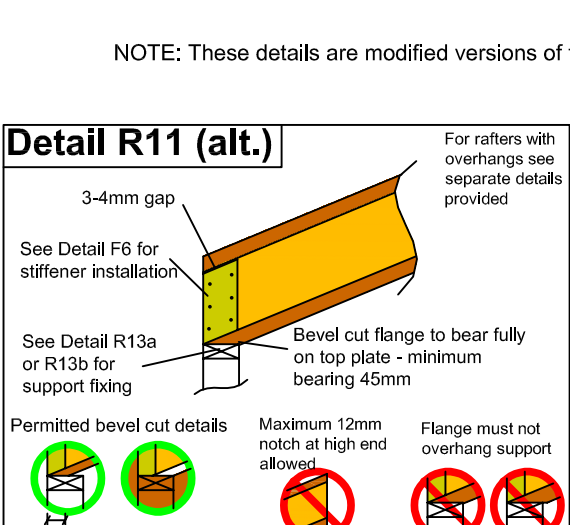
Bevelled timber bearing plate

See Detail R13a or R13b for support fixing

**Support using bevelled plate**

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

Detail R11 (alt.)



3-4mm gap

See Detail F6 for stiffener installation

See Detail R13a or R13b for support fixing

Bevel cut flange to bear fully on top plate - minimum bearing 45mm

Permitted bevel cut details

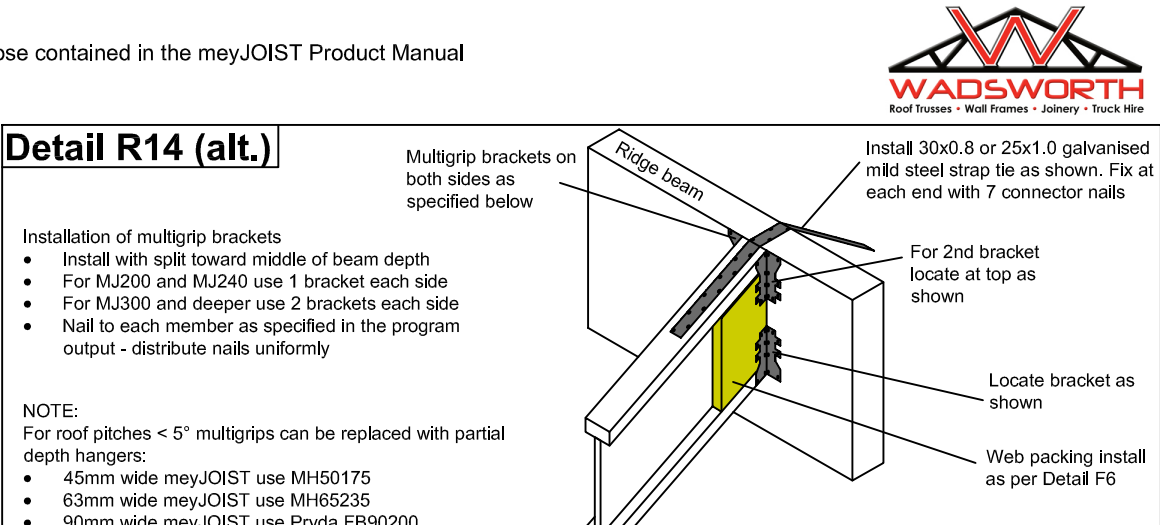
Maximum 12mm notch at high end allowed

Flange must not overhang support

**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.)



Multigrip brackets on both sides as specified below

Ridge beam

Install 30x0.8 or 25x1.0 galvanised mild steel strap tie as shown. Fix at each end with 7 connector nails

For 2nd bracket locate at top as shown

Locate bracket as shown

Web packing install as per Detail F6

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

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

**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:

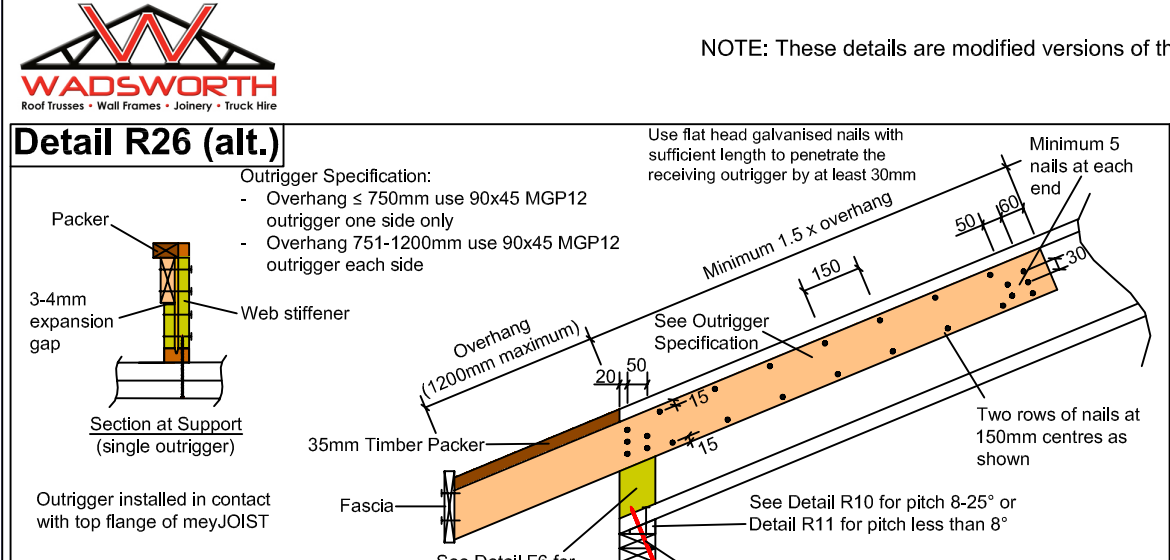
a: 2 off SDWS/TYKT 150mm long

b: MH5090 joist hanger

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



Detail R26 (alt.)



Outrigger Specification:

- Overhang ≤ 750mm use 90x45 MGP12 outrigger one side only

- Overhang 751-1200mm use 90x45 MGP12 outrigger each side

35mm Timber Packer

Fascia

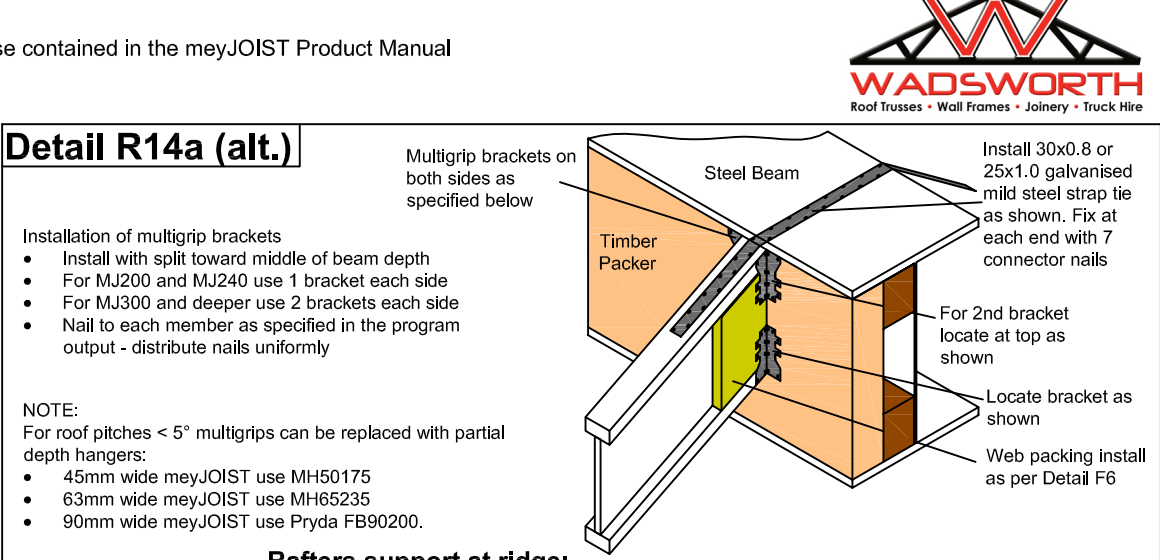
See Detail F6 for stiffener installation

See Detail R13a or R13b for support fixing

Note: Same detail to be applied at high end support

**Nested rafter outrigger**

Detail R14a (alt.)



Multigrip brackets on both sides as specified below

Steel Beam

Timber Packer

Install 30x0.8 or 25x1.0 galvanised mild steel strap tie as shown. Fix at each end with 7 connector nails

For 2nd bracket locate at top as shown

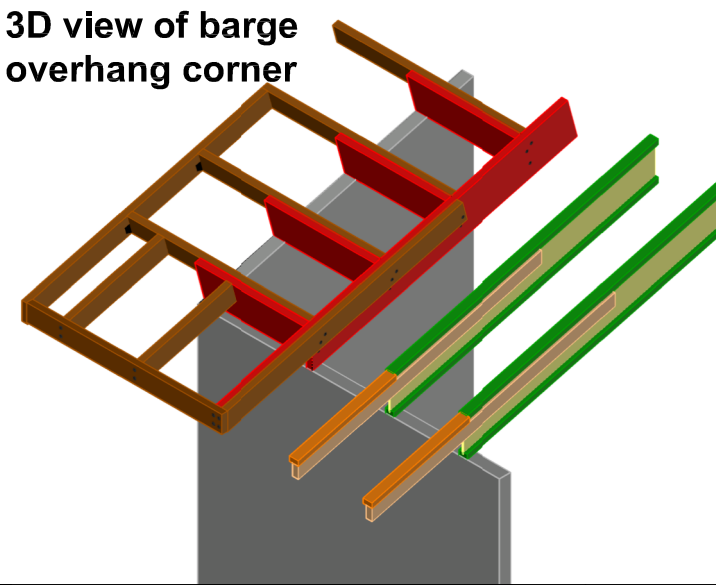
Locate bracket as shown

Web packing install as per Detail F6

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

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

**3D view of barge overhang corner**



NOTES:

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