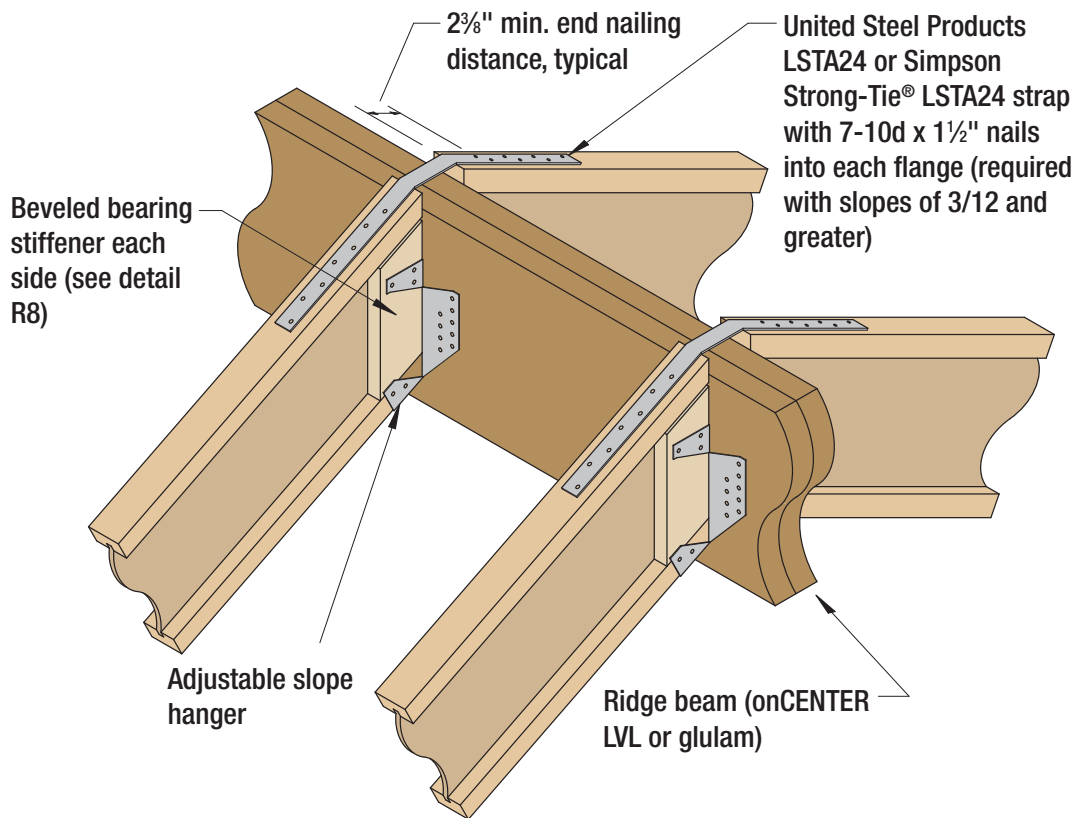


R1

**RIDGE-JOIST CONNECTION**

12/12 maximum slope



Additional uplift connections may be required.

R2

## JOISTS ABOVE RIDGE SUPPORT BEAM

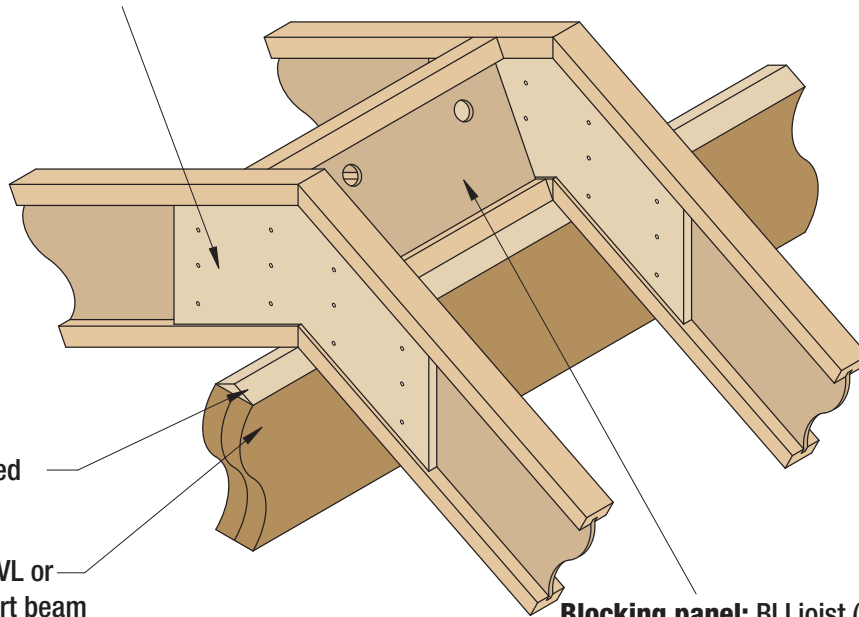
12/12 maximum slope

$2\frac{3}{32}$ " x 2'-0" 48/24 APA Rated Sheathing gusset (strength axis horizontal) each side with 12-8d nails clinched or strap with 16-10d x 1½" nails applied to top flange per detail R1.

Attach to bearing plate per detail F1. Additional uplift connections may be required.

Double beveled bearing plate

onCENTER® LVL or glulam support beam



**Blocking panel:** BLI joist (nail through top of flange to plate) or onCENTER rim board (toe nail to plate). Use 8d nails at 6" o.c. **Alternate (not shown):** x-bridging attached to top flanges and to plate.

For BLI joist blocking panel shear transfer, use same nailing as required for sheathing, but complying with Installation Note 5, page 31 of OCPG. For rim board shear transfer, see APA EWS Y250.

R3

**UPPER END, BEARING ON WALL**

12/12 maximum slope

Strap required for members with slope of 3/12 and greater

**Alternate 2:** onCENTER rim board or  $\frac{23}{32}$ " 48/24 APA Rated Sheathing as continuous closure. Nail to top and bottom flange with 8d nails. Toe nail to plate with 8d nails at 6" o.c.

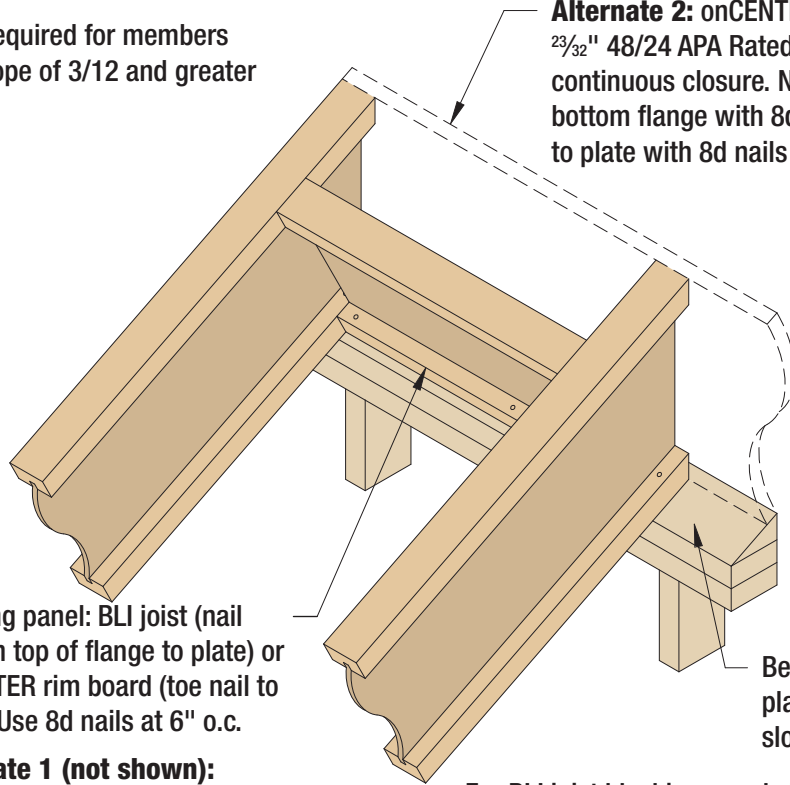
Blocking panel: BLI joist (nail through top of flange to plate) or onCENTER rim board (toe nail to plate). Use 8d nails at 6" o.c.

**Alternate 1 (not shown):** x-bridging attached to top flanges and to plate.

Attach to bearing plate per detail F1. Additional uplift connections may be required.

Beveled bearing plate or variable slope connector

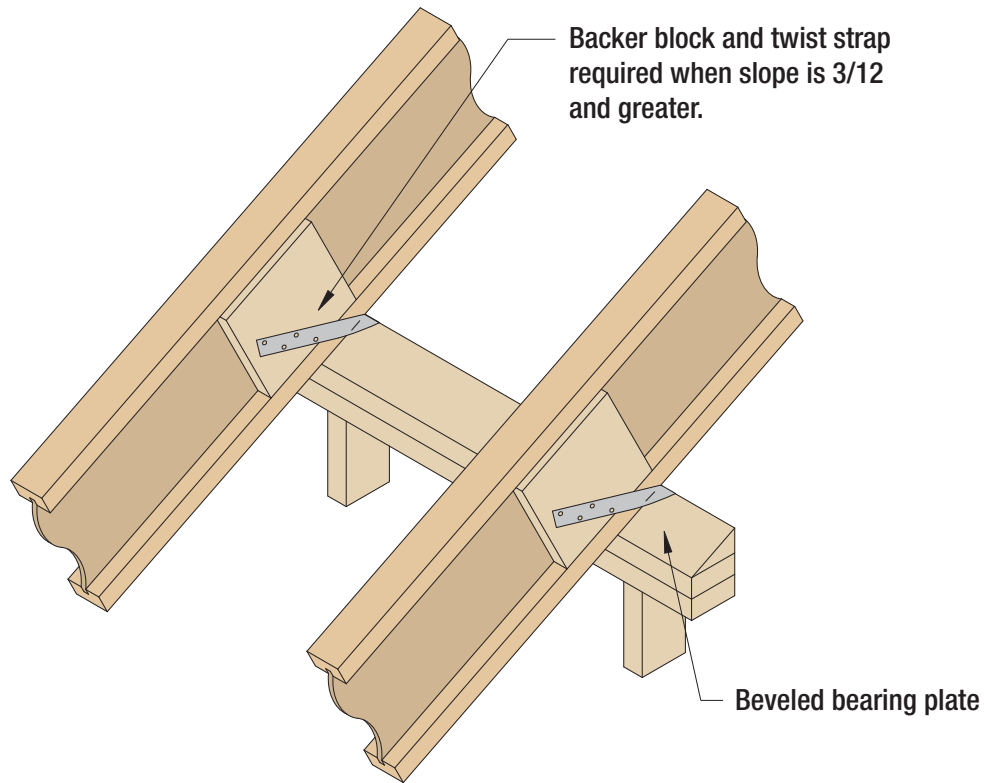
For BLI joist blocking panel shear transfer, use same nailing as required for sheathing, but complying with Installation Note 5, page 31 of OCPG. For rim board or continuous closure shear transfer, see APA EWS Y250.



R4

### INTERMEDIATE BEARING

12/12 maximum slope



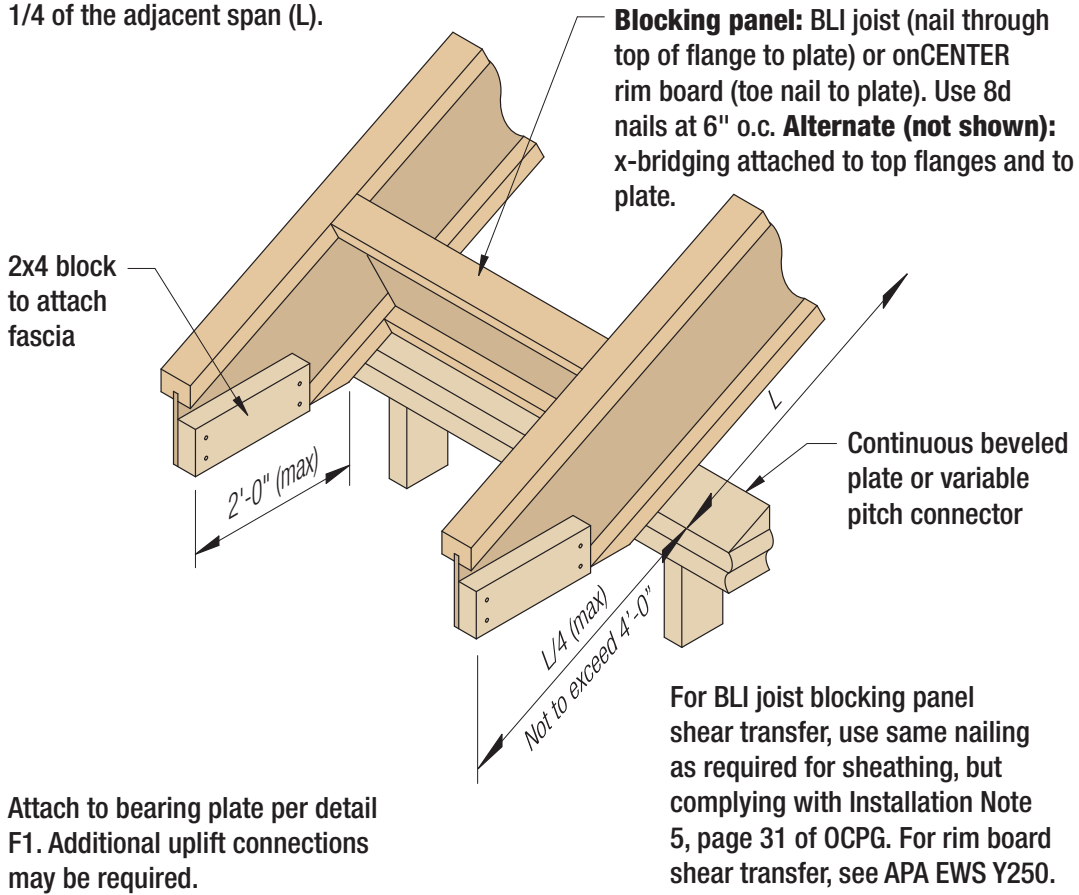
Attach to bearing plate per detail F1. Additional uplift connections may be required.

R5

### JOISTS ON BEVELED PLATE

12/12 maximum slope

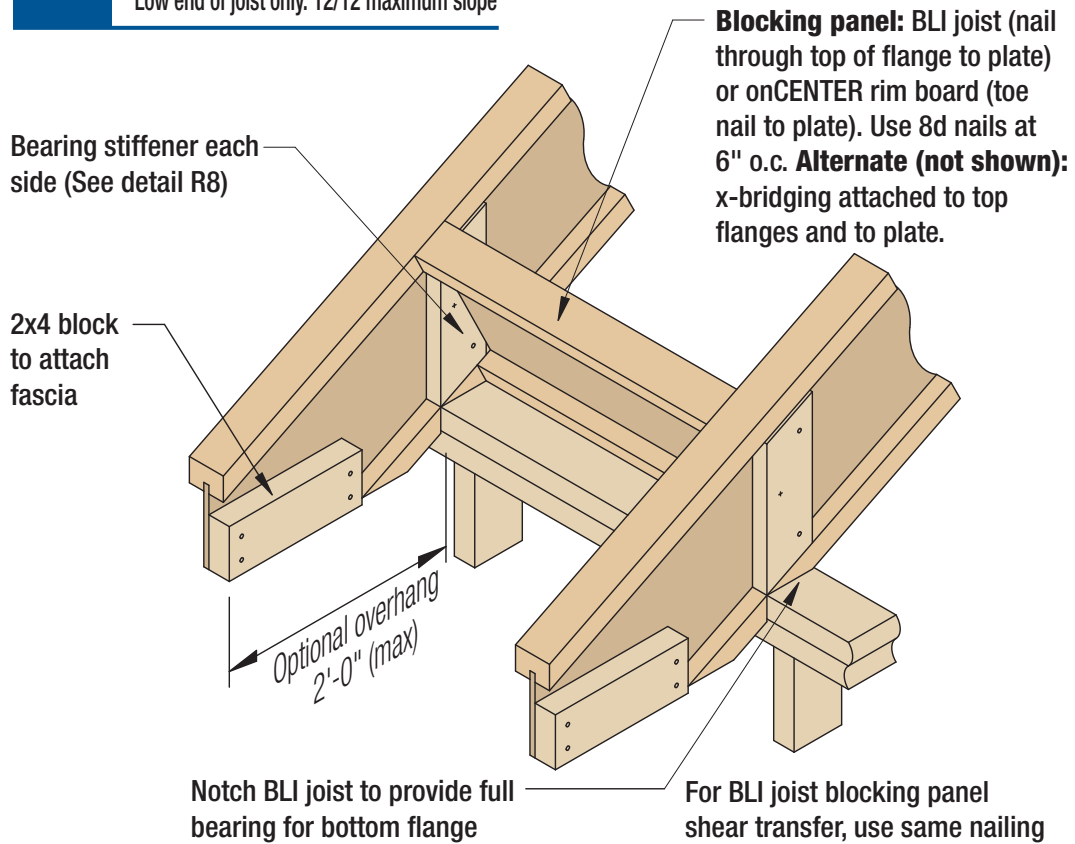
Cantilever length may not exceed 1/4 of the adjacent span (L).



**R6**

**BIRDSMOUTH CUT**

Low end of joist only. 12/12 maximum slope

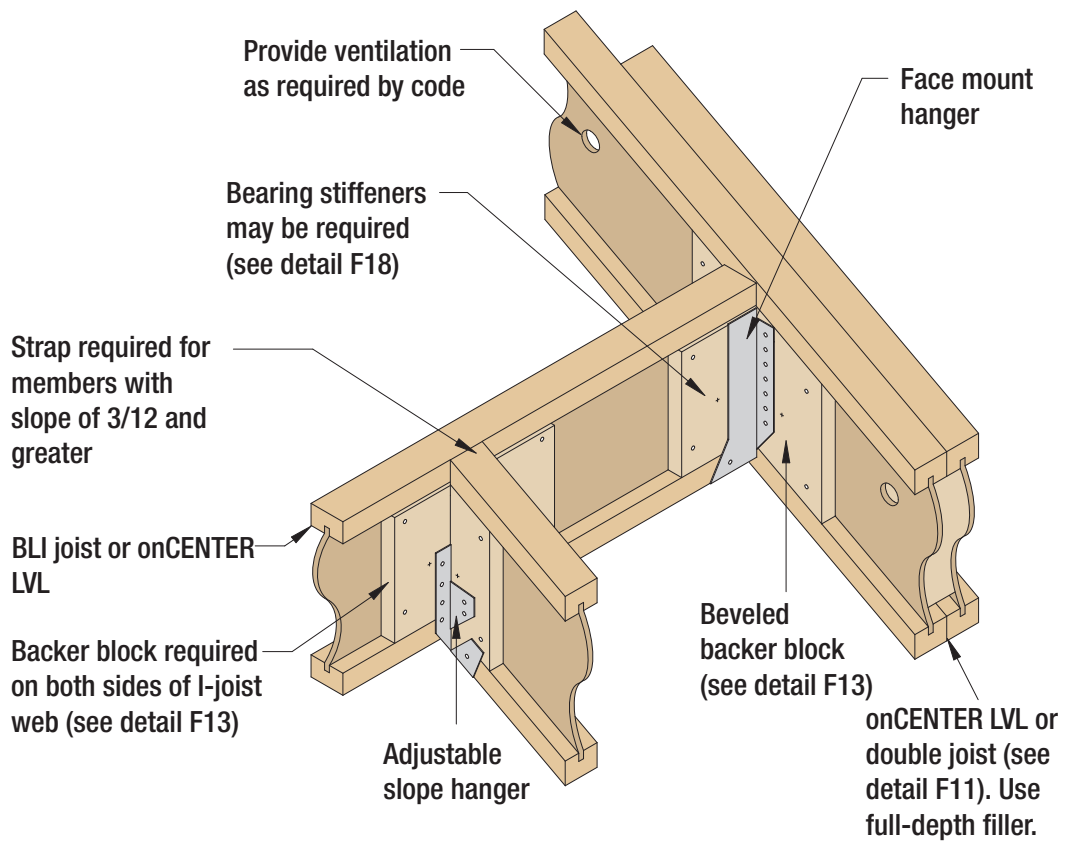


Attach to bearing plate per detail F1.  
Additional uplift connections may be required.

R7

**ROOF OPENING, FACE MOUNT HANGERS**

12/12 maximum slope

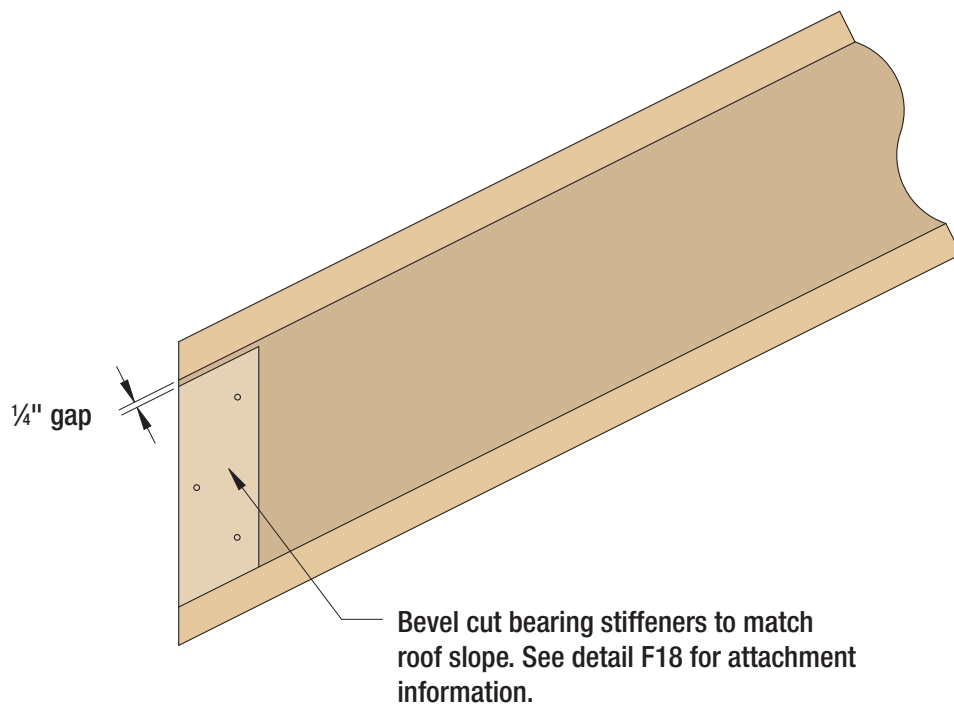


Additional uplift connections may be required.

R8

## BEVELED BEARING STIFFENERS

12/12 maximum slope





## R9

### OPTIONAL OVERHANG EXTENSIONS

12/12 maximum slope

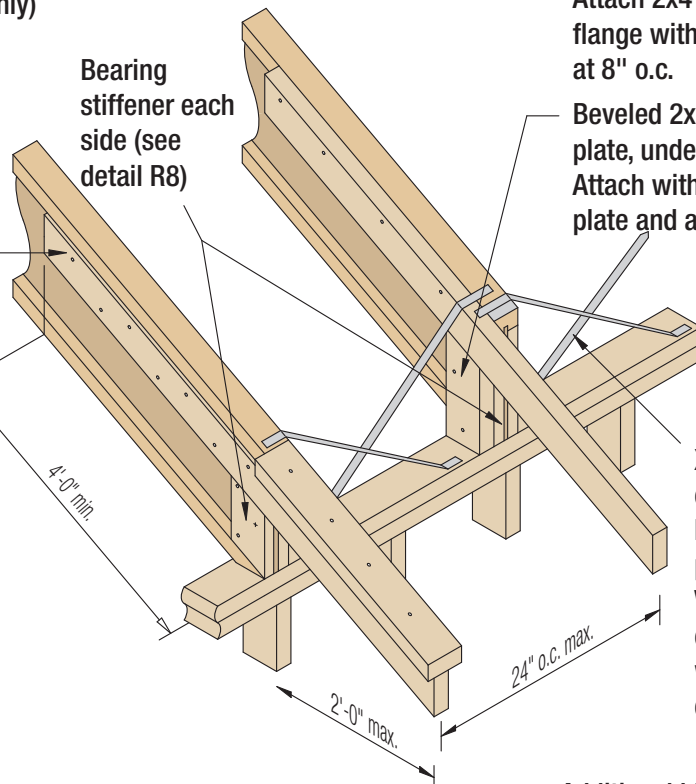
May be used with detail R5 and R6 (low end only)

#### A

Locate top edge of 2x4 1½" down from top of joist. Attach to joist web with 2 rows of 8d nails at 8" o.c. clinched.

Fasten 2x4 flange extension to 2x4 support with 8d nails at 8" o.c.

Attach to bearing plate per detail F1. Additional uplift connections may be required.



#### B

Attach 2x4 to side of top flange with 10d box nails at 8" o.c.

Beveled 2x4 cripple at plate, under 2x4 overhang. Attach with 8d nail at plate and at stiffener.

X-bridging or BLI joist blocking panels. Validate use of x-bridging with local code.

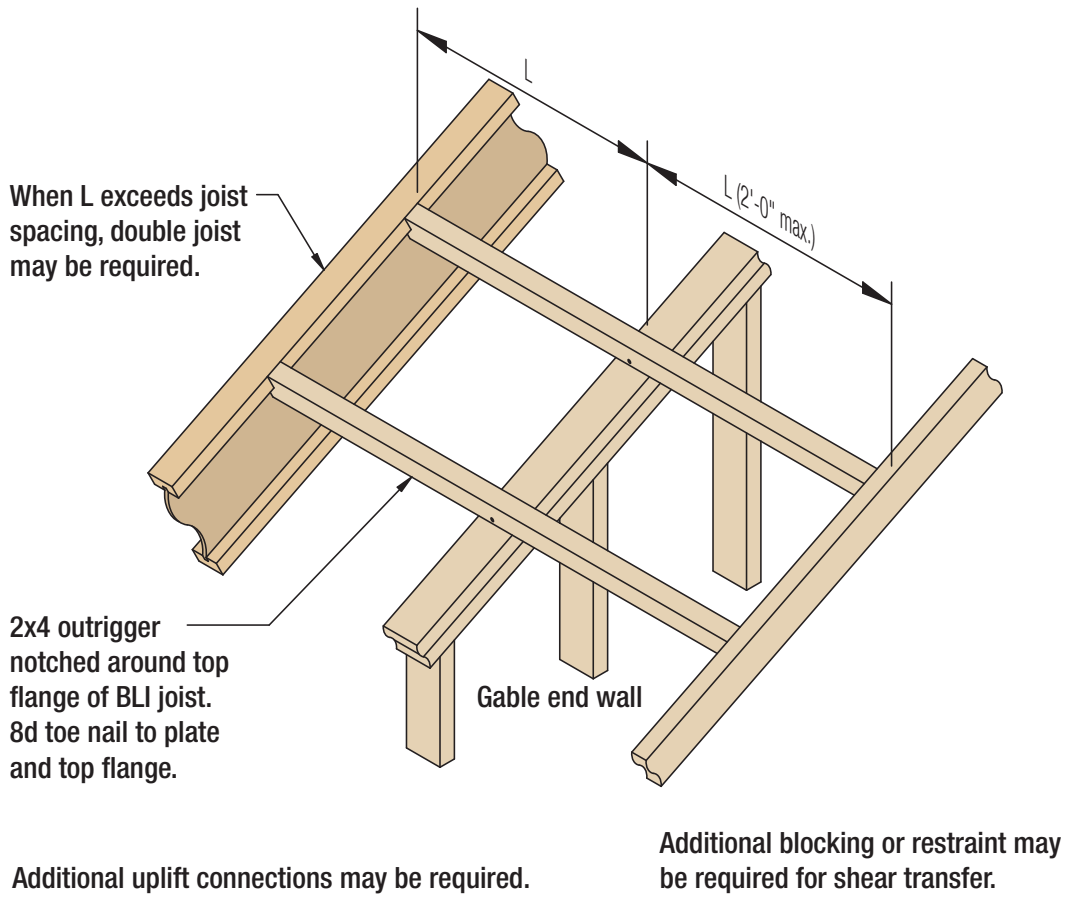
Additional blocking or restraint may be required for shear transfer.

**R10**

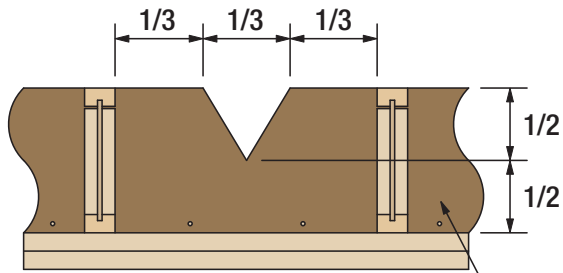
**OVERHANG PARALLEL TO JOIST**

12/12 maximum slope

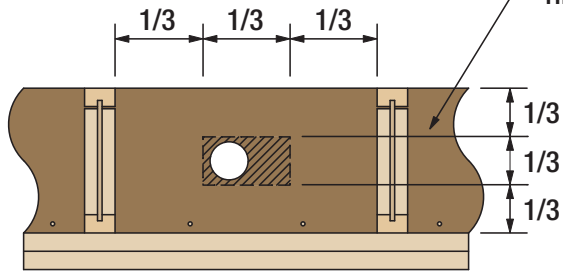
Blocking at wall not shown for clarity



**R11 ROOF BLOCKING WITH PERMITTED VENTILATION**



Maximum allowable V-cut



Maximum allowable hole zone

onCENTER  
rim board

Square cut blocking to  
match joist depth where  
positioned on wall.

Taper cut is optional but may be  
required for higher shear transfer.

Taper to match beveled  
plate on wall.

