


Adding Rafter Tails To I-Joist Rafters

The easiest way is to place just one I-Joist, add the rafter tail, then array them both as required. Here's how:


Start by placing the I-Joist, as you normally would, with not extension. Note that the Plumb dimension is shown at the lower right, which results in the Top Of Member height shown.



Wood Product Shapes

GLB	OSB Rim	Lumber	Timber
I-Joists	LSL	LVL	PSL

TJI
 GPI
 WI
 AIS
 BCI
 LPI



Multiple member options
 1 2 3 4

Match Existing

TJI® Truss Joists™ are manufactured by Weyerhaeuser®

Shape Designation

- TJI-110 x 9 1/2
- TJI-110 x 11 7/8
- TJI-110 x 14
- TJI-210 x 9 1/2
- TJI-210 x 11 7/8
- TJI-210 x 14
- TJI-210 x 16
- TJI-230 x 9 1/2
- TJI-230 x 11 7/8
- TJI-230 x 14
- TJI-230 x 16
- TJI-360 x 11 7/8
- TJI-360 x 14
- TJI-360 x 16
- TJI-360 x 18
- TJI-360 x 20
- TJI-560 x 11 7/8
- TJI-560 x 14
- TJI-560 x 16
- TJI-560 x 18
- TJI-560 x 20
- TJI-560D x 18
- TJI-560D x 20
- TJI-560D x 22
- TJI-560D x 24

Placement Options

Length Option

 Draw Point to Point
 Preset - Length: (Horz. run between bearing pts)

Straight or Arched Option

 Straight
 Spring ht:
 Radius:

Member End 1

T.O.M.: }
 Brg Ht: }
 End Cut: Square
 Plumb
 Extension:

Member End 2

T.O.M.: }
 Brg Ht: }
 Pitch: }
 Slope: }
 Extension:

Seat cut (low end) Seat width: ?
 Seat cut (upper end) Bearing width: ?

Fascia cut - Width: ? Tag beams Automatically
 Transfer corner(s) to match rafter Update Schedule Automatically
 Array - spacing: Note:

Sizes

Width: 1.75
 Depth: 9.5
Plumb: 11.42

The objective is to add a short 2x6 alongside it, to match. The settings:

Wood Product Shapes

I-Joists LSL LVL PSL
GLB OSB Rim Lumber Timber

Nominal
 Rough
 Pressure Treated
 Plate
 Plate (pressure treated)

Multiple Member Options
 1 2 3 4

Add spacer(s):

Match Existing

Shape Designation

1x2
1x3
1x4
1x5
1x6
1x8
1x10
1x12
2x2
2x3
2x4
2x5
2x6
2x8
2x10
2x12
2x14
3x3
3x4
3x6
3x8
3x10
3x12
3x14
3x16

Placement Options

Length Option
 Draw Point to Point
 Preset - Length: 1'-0"
(Horz. run between bearing pts)

Straight or Arched Option
 Straight
 Spring ht:
 Radius:

Member End 1

T.O.M.: 8'-11 3/8"
Brg Ht: 8'-4 7/8"
End Cut: Square Plumb
Extension: 2'-0"
 Seat cut (low end)
Seat width: ?

Member End 2

T.O.M.: 9'-7 3/8"
Brg Ht: 9'-0 7/8"
Pitch: 8 / 12
Slope: 33.69°
Extension: 0"
End Cut: Square Plumb
 Seat cut (upper end)
Bearing width: 0" ?

Fascia cut - Width: ? Tag beams Automatically
 Chamfer corner(s) to match rafter Update Schedule Automatically
 Array - spacing: Note:

Calculator

View Edit Help

11.42 - 6.61

4.81

Sizes

Width: 1.5
Depth: 5.5
Plumb: 6.61

We subtract this Plumb depth from the I-Joist Plumb depth, and add that to the 8'-0" bearing height to get a Top Of Member that matches the I-Joist. The 2x6 need only be a foot or so long (for nailing), and the Extension can be as required. When placing the 2x6, choose either BR or BL justification and snap to the appropriate corner of the I-Joist (in plan view).

Result:

