



TRUS JOIST® 1.3E TIMBERSTRAND® LSL 45-DEGREE COLUMN

Precise 45-Degree Corners Every Time

- Perfect for bay windows, tall foyers, and other interior and exterior corners
- Starts straight, stays straight—reduces callbacks for nail pops and joint cracks
- Can be used for 2x4 or 2x6 walls
- Simple assembly saves installation time and money
- Solid section makes sheathing and wallboard attachment easy
- Column capacity can support short-span window and door headers
- Product Warranty



TJ-8002 DESIGN AND INSTALLATION GUIDE

www.iLevel.com
1.888.iLevel8 (1.888.453.8358)



2x4 Walls Allowable Axial Loads (lbs)

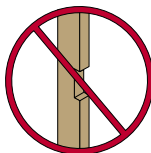
Column Length	100%	115%	125%
7'	4,520	4,520	4,520
8'	4,520	4,520	4,520
9'	4,520	4,520	4,520
10'	3,965	4,115	4,205
11'	3,445	3,565	3,630
12'	3,020	3,110	3,165

Column values are based on plates with a minimum $F_{c,1}$ of 400 psi.

1.3E TimberStrand® LSL Allowable Design Stresses (100% Load Duration)

Modulus of elasticity $E = 1.3 \times 10^6$ psi
 Flexural stress (plank orientation) $F_b = 1,900$ psi
 Compression parallel to grain $F_{c,||} = 1,400$ psi
 Horizontal shear parallel to grain $F_v = 400$ psi

Code Evaluations: HUD MR 1265 ■ ICC ES ESR-1387



Notches not permitted

2x6 Walls Allowable Axial Loads (lbs)

Column Length	100%	115%	125%
7'	10,900	11,120	11,120
8'	10,575	11,120	11,120
9'	10,210	11,120	11,120
10'	9,810	10,930	11,120
11'	9,380	10,370	10,980
12'	8,925	9,790	10,310

Column values are based on plates with a minimum $F_{c,1}$ of 400 psi.

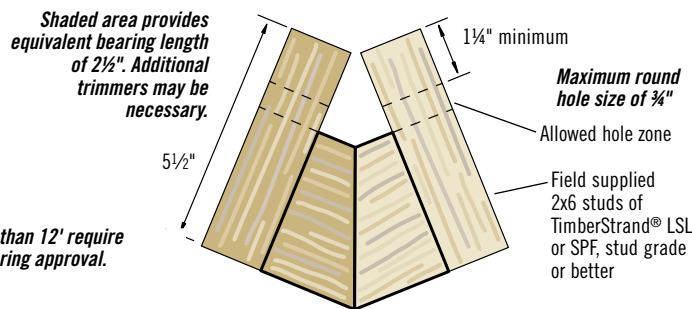
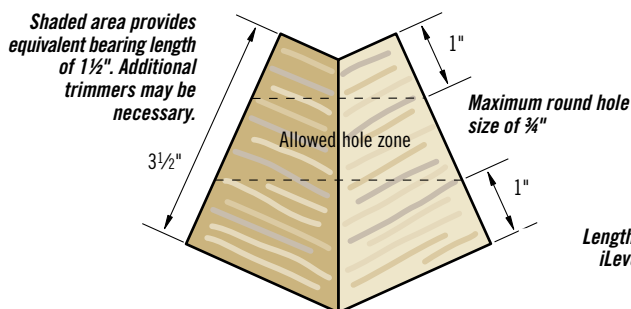
General Notes

- Table is based on:
 - Dry-service conditions.
 - Full lateral bracing on both sides in the plane of the wall.
 - Axial loads only. Maximum $\frac{1}{16}$ " eccentricity.

General Notes

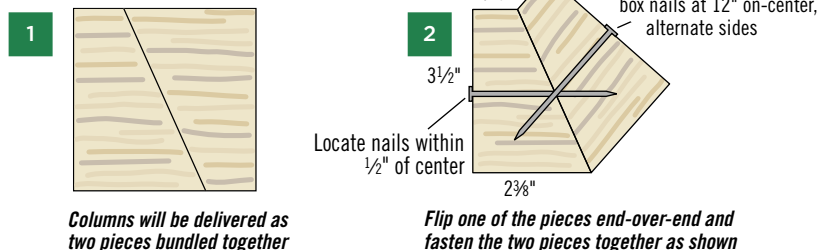
- Table is based on:
 - Dry-service conditions.
 - Full lateral bracing on both sides in the plane of the wall.
 - 2x6 attachments of SPF, stud grade or better.
 - Axial loads only. Maximum 1.1" eccentricity.

Bearing Length & Allowable Holes

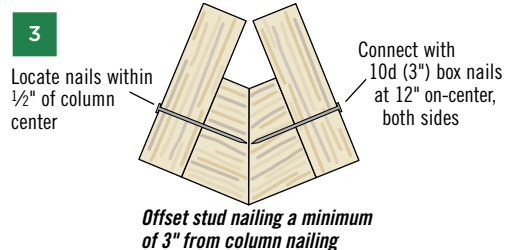


Lengths greater than 12' require iLevel engineering approval.

Assembly



For 2x6 Walls



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OUR WARRANTY

May 2006

Reorder TJ-8002

This guide supersedes all previous versions. If this guide is more than one year old, contact your dealer or iLevel rep.

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