

ALLOWABLE HOLES—TJI® JOISTS

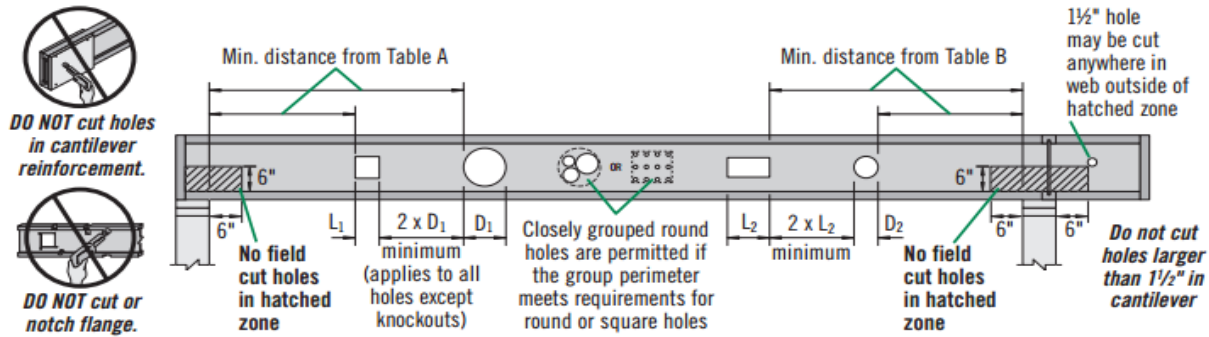


Table A—End Support

Minimum distance from edge of hole to inside face of nearest end support

Joist Depth	TJI®	Round Hole Size							Square or Rectangular Hole Size						
		2"	3"	4"	6½"	8¼"	11"	13"	2"	3"	4"	6½"	8¼"	11"	13"
9½"	110	1'-0"	1'-6"	2'-0"	5'-0"				1'-0"	1'-6"	2'-6"	4'-6"			
	210	1'-0"	1'-6"	2'-6"	5'-6"				1'-0"	2'-0"	2'-6"	5'-0"			
	230	1'-6"	2'-0"	2'-6"	5'-6"				1'-0"	2'-0"	3'-0"	5'-0"			
	360	1'-6"	2'-0"	3'-0"	6'-0"				1'-6"	2'-6"	3'-6"	5'-6"			
	560	1'-6"	2'-6"	3'-6"	7'-0"				2'-0"	3'-0"	4'-0"	6'-0"			
11¼"	110	1'-0"	1'-0"	1'-6"	2'-6"	5'-6"			1'-0"	1'-6"	2'-0"	4'-6"	6'-0"		
	210	1'-0"	1'-6"	2'-0"	3'-0"	6'-0"			1'-0"	1'-6"	2'-6"	5'-0"	6'-6"		
	230	1'-0"	1'-6"	2'-0"	3'-0"	6'-6"			1'-0"	2'-0"	2'-6"	5'-6"	7'-0"		
	360	1'-6"	2'-0"	3'-0"	4'-6"	7'-0"			1'-6"	2'-6"	3'-6"	6'-6"	7'-6"		
	560	1'-6"	2'-6"	3'-0"	5'-6"	8'-0"			2'-6"	3'-6"	4'-6"	7'-0"	8'-0"		
14"	110	1'-0"	1'-0"	1'-0"	1'-6"	3'-0"	5'-6"		1'-0"	1'-0"	1'-6"	3'-6"	6'-0"	8'-0"	
	210	1'-0"	1'-0"	1'-0"	2'-0"	3'-6"	6'-0"		1'-0"	1'-0"	2'-0"	4'-0"	6'-6"	8'-6"	
	230	1'-0"	1'-0"	1'-0"	2'-6"	4'-0"	7'-0"		1'-0"	1'-0"	2'-0"	4'-0"	7'-0"	9'-0"	
	360	1'-0"	1'-0"	1'-6"	3'-6"	5'-6"	8'-0"		1'-0"	1'-6"	2'-6"	6'-0"	8'-0"	9'-6"	
	560	1'-0"	1'-0"	2'-0"	4'-6"	6'-6"	9'-0"		1'-6"	3'-0"	4'-0"	7'-0"	9'-0"	10'-0"	
16"	210	1'-0"	1'-0"	1'-0"	1'-0"	2'-6"	3'-6"	6'-0"	1'-0"	1'-0"	1'-0"	3'-0"	6'-6"	8'-0"	11'-0"
	230	1'-0"	1'-0"	1'-0"	1'-6"	3'-0"	4'-0"	7'-0"	1'-0"	1'-0"	1'-0"	3'-6"	7'-0"	9'-0"	11'-0"
	360	1'-0"	1'-0"	1'-0"	2'-6"	4'-6"	6'-6"	9'-0"	1'-0"	1'-0"	1'-6"	5'-0"	9'-0"	10'-0"	11'-6"
	560	1'-0"	1'-0"	1'-0"	2'-6"	5'-0"	7'-6"	10'-0"	1'-0"	2'-0"	3'-0"	6'-6"	10'-0"	11'-0"	12'-0"

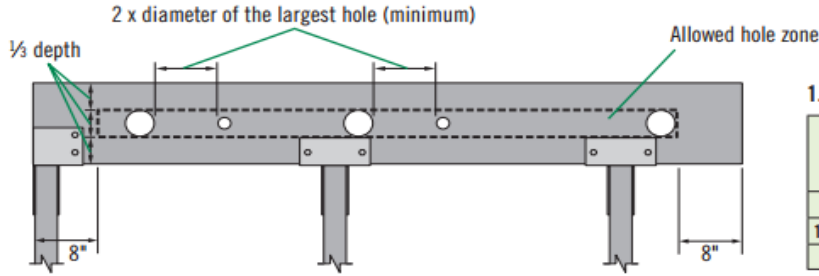
Table B—Intermediate or Cantilever Support

Minimum distance from edge of hole to inside face of nearest intermediate or cantilever support

Joist Depth	TJI®	Round Hole Size							Square or Rectangular Hole Size						
		2"	3"	4"	6½"	8¼"	11"	13"	2"	3"	4"	6½"	8¼"	11"	13"
9½"	110	2'-0"	2'-6"	3'-6"	7'-6"				1'-6"	2'-6"	3'-6"	6'-6"			
	210	2'-0"	2'-6"	3'-6"	8'-0"				2'-0"	3'-0"	4'-0"	7'-6"			
	230	2'-6"	3'-0"	4'-0"	8'-6"				2'-0"	3'-6"	4'-6"	7'-6"			
	360	3'-0"	4'-0"	5'-6"	9'-0"				3'-0"	4'-6"	5'-6"	8'-0"			
	560	3'-6"	5'-0"	6'-0"	10'-0"				4'-0"	5'-6"	6'-6"	9'-0"			
11¼"	110	1'-0"	1'-0"	1'-6"	4'-0"	8'-6"			1'-0"	1'-6"	2'-6"	7'-0"	9'-6"		
	210	1'-0"	1'-0"	2'-0"	4'-6"	9'-0"			1'-0"	2'-0"	3'-0"	8'-0"	10'-0"		
	230	1'-0"	2'-0"	2'-6"	5'-0"	10'-0"			1'-0"	2'-6"	3'-6"	8'-6"	10'-6"		
	360	2'-0"	3'-0"	4'-0"	7'-0"	11'-0"			2'-0"	3'-6"	5'-0"	9'-6"	11'-0"		
	560	1'-6"	3'-0"	4'-6"	8'-0"	12'-0"			3'-0"	4'-6"	6'-0"	10'-6"	12'-0"		
14"	110	1'-0"	1'-0"	1'-0"	2'-0"	4'-6"	8'-6"		1'-0"	1'-0"	1'-0"	5'-0"	9'-0"	12'-0"	
	210	1'-0"	1'-0"	1'-0"	2'-6"	5'-6"	9'-6"		1'-0"	1'-0"	2'-0"	6'-0"	10'-0"	13'-0"	
	230	1'-0"	1'-0"	1'-0"	3'-6"	6'-0"	10'-6"		1'-0"	1'-0"	2'-6"	6'-6"	11'-0"	13'-6"	
	360	1'-0"	1'-0"	2'-0"	5'-6"	8'-6"	12'-6"		1'-0"	2'-0"	4'-0"	9'-0"	12'-0"	14'-0"	
	560	1'-0"	1'-0"	1'-6"	5'-6"	9'-6"	13'-6"		1'-0"	3'-0"	5'-0"	10'-0"	13'-6"	15'-0"	
16"	210	1'-0"	1'-0"	1'-0"	1'-0"	3'-6"	6'-0"	10'-0"	1'-0"	1'-0"	1'-0"	4'-6"	10'-0"	12'-6"	16'-0"
	230	1'-0"	1'-0"	1'-0"	1'-6"	4'-0"	6'-6"	11'-0"	1'-0"	1'-0"	1'-0"	5'-0"	10'-6"	13'-6"	16'-6"
	360	1'-0"	1'-0"	1'-0"	3'-0"	6'-6"	10'-0"	13'-6"	1'-0"	1'-0"	2'-0"	7'-6"	13'-0"	14'-6"	17'-0"
	560	1'-0"	1'-0"	1'-0"	2'-6"	7'-0"	11'-0"	15'-0"	1'-0"	1'-0"	3'-6"	9'-0"	14'-6"	16'-0"	18'-0"

- Leave ¼" of web (minimum) at top and bottom of hole. **DO NOT** cut joist flanges.
- Tables are based on uniform load tables in current design literature.
- For simple span (5' minimum), uniformly loaded joists used in residential applications, one maximum size round hole may be located at the center of the joist span **provided that no other holes occur in the joist.**

1.55E TimberStrand® LSL Headers and Beams



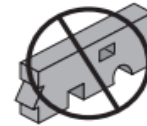
1.55E TimberStrand® LSL

Header or Beam Depth	Maximum Round Hole Size
9¼"–9½"	3"
11¼"–11½"	3½"
14"–16"	4½"

- See illustration for allowed hole zone.

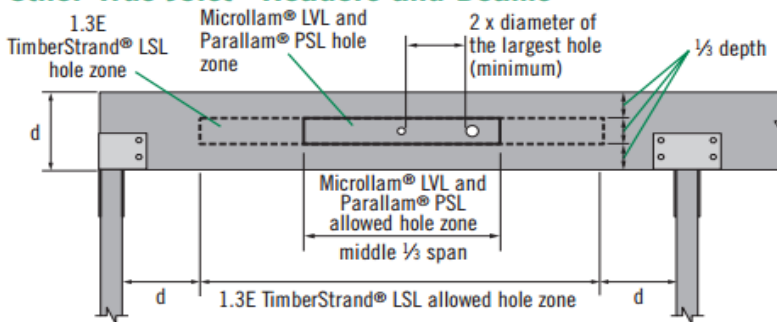
GENERAL NOTES

- Allowed hole zone suitable for headers and beams with **uniform and/or concentrated loads** anywhere along the member.
- Round holes only.
- No holes in headers or beams in plank orientation.



DO NOT cut, notch, or drill holes in headers or beams except as indicated in the illustrations and tables.

Other Trus Joist® Headers and Beams



Other Trus Joist® Beams

Header or Beam Depth	Maximum Round Hole Size
4¾"	1"
5½"	1¾"
7¼"–20"	2"

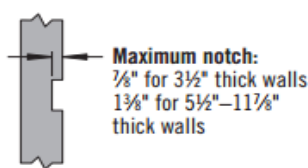
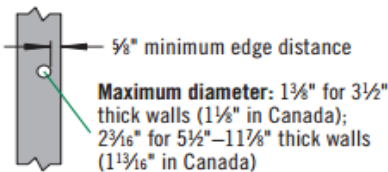
- See illustration for allowed hole zone.

GENERAL NOTES

- Allowed hole zone suitable for headers and beams with **uniform loads only**.
- Round holes only.
- No holes in cantilevers.
- No holes in headers or beams in plank orientation.

TimberStrand® LSL Wall Studs

One notch may be cut anywhere except the middle 1/3 of the length of the stud or column. Holes may be drilled anywhere along the length of the stud or column but must be at least 5/8" from the edge.



DO NOT cut a notch and a hole in the same cross section.