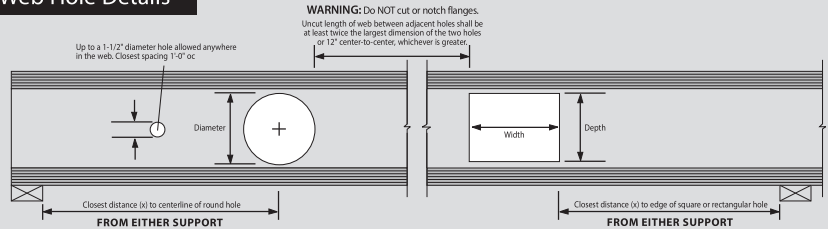
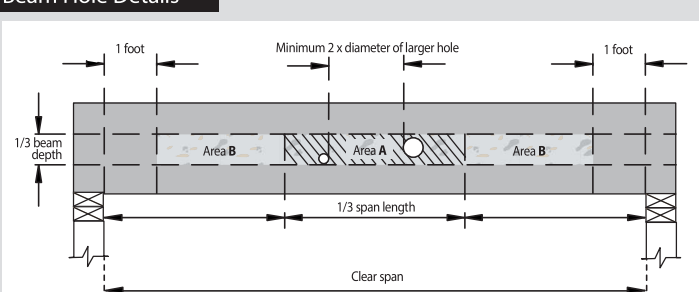


Web Hole Details



CLOSEST DISTANCE (X) - (FT - IN)		CIRCULAR HOLE DIAMETER											
SERIES	DEPTH	2"	3"	4"	5"	6"	7"	8"	9"	10"	11"	12"	
LPI 18	9-1/2"	1'-2"	1'-10"	2'-7"	3'-3"	4'-3"	4'-3"	5'-5"	-	-	-	-	
	11-7/8"	1'-0"	1'-5"	2'-5"	2'-9"	3'-6"	4'-3"	5'-5"	-	-	-	-	
	14"	1'-0"	1'-0"	1'-5"	2'-0"	2'-8"	-	-	-	-	-	-	
LPI 20Plus LPI 20FB	9-1/2"	1'-0"	1'-4"	1'-11"	2'-5"	2'-11"	3'-6"	4'-0"	-	-	-	-	
	11-7/8"	1'-3"	1'-8"	2'-2"	2'-7"	3'-1"	3'-6"	4'-0"	4'-6"	5'-1"	-	-	
	14"	1'-8"	2'-1"	2'-6"	2'-11"	3'-4"	3'-9"	4'-3"	4'-8"	5'-1"	5'-7"	6'-3"	
LPI 32Plus	9-1/2"	1'-0"	1'-2"	1'-11"	2'-9"	3'-6"	-	-	-	-	-	-	
	11-7/8"	1'-8"	1'-9"	2'-5"	3'-0"	3'-8"	4'-4"	5'-0"	-	-	-	-	
	14"	1'-8"	2'-3"	2'-10"	3'-5"	4'-0"	4'-8"	5'-3"	5'-11"	6'-7"	-	-	
LPI 42Plus LPI 42FB	9-1/2"	1'-3"	2'-3"	3'-4"	4'-4"	5'-5"	-	-	-	-	-	-	
	11-7/8"	3'-2"	3'-10"	4'-7"	5'-3"	6'-0"	6'-9"	7'-8"	-	-	-	-	
	14"	4'-5"	5'-0"	5'-7"	6'-1"	6'-8"	7'-3"	8'-0"	8'-10"	9'-11"	-	-	
LPI 52Plus	9-1/2"	1'-0"	1'-5"	2'-0"	2'-11"	3'-4"	3'-9"	4'-4"	4'-8"	5'-1"	5'-7"	6'-3"	
	11-7/8"	1'-0"	1'-5"	2'-0"	3'-0"	4'-0"	5'-1"	6'-2"	7'-6"	-	-	-	
	14"	6'-1"	6'-7"	7'-1"	7'-7"	8'-3"	8'-11"	9'-8"	10'-6"	11'-4"	-	-	
LPI 36	9-1/2"	1'-3"	2'-3"	3'-4"	4'-4"	5'-5"	-	-	-	-	-	-	
	11-7/8"	3'-2"	3'-10"	4'-7"	5'-3"	6'-0"	6'-9"	7'-8"	-	-	-	-	
	14"	4'-5"	5'-0"	5'-7"	6'-1"	6'-8"	7'-3"	8'-0"	8'-10"	9'-11"	11'-0"	12'-3"	
LPI 56	9-1/2"	1'-3"	2'-3"	3'-4"	4'-4"	5'-5"	-	-	-	-	-	-	
	11-7/8"	3'-2"	3'-10"	4'-7"	5'-3"	6'-0"	6'-9"	7'-8"	-	-	-	-	
	14"	4'-5"	5'-0"	5'-7"	6'-1"	6'-8"	7'-3"	8'-0"	8'-10"	9'-11"	11'-0"	12'-3"	
LPI 450	9-1/2"	1'-3"	2'-3"	3'-4"	4'-4"	5'-5"	-	-	-	-	-	-	
	11-7/8"	3'-2"	3'-10"	4'-7"	5'-3"	6'-0"	6'-9"	7'-8"	-	-	-	-	
	14"	4'-5"	5'-0"	5'-7"	6'-1"	6'-8"	7'-3"	8'-0"	8'-10"	9'-11"	11'-0"	12'-3"	
LPI 530	9-1/2"	1'-3"	2'-3"	3'-4"	4'-4"	5'-5"	-	-	-	-	-	-	
	11-7/8"	3'-2"	3'-10"	4'-7"	5'-3"	6'-0"	6'-9"	7'-8"	-	-	-	-	
	14"	4'-5"	5'-0"	5'-7"	6'-1"	6'-8"	7'-3"	8'-0"	8'-10"	9'-11"	11'-0"	12'-3"	
LPI 42Plus LPI 42FB	9-1/2"	1'-0"	1'-5"	2'-0"	2'-11"	3'-4"	3'-9"	4'-4"	4'-8"	5'-1"	5'-7"	6'-3"	
	11-7/8"	1'-0"	1'-5"	2'-0"	3'-0"	4'-0"	5'-1"	6'-2"	7'-6"	-	-	-	
	14"	1'-0"	1'-5"	2'-0"	3'-0"	4'-0"	5'-1"	6'-2"	7'-6"	-	-	-	
LPI 52Plus	9-1/2"	1'-0"	1'-5"	2'-0"	2'-11"	3'-4"	3'-9"	4'-4"	4'-8"	5'-1"	5'-7"	6'-3"	
	11-7/8"	1'-0"	1'-5"	2'-0"	3'-0"	4'-0"	5'-1"	6'-2"	7'-6"	-	-	-	
	14"	1'-0"	1'-5"	2'-0"	3'-0"	4'-0"	5'-1"	6'-2"	7'-6"	-	-	-	
LPI 36	9-1/2"	1'-3"	2'-3"	3'-4"	4'-4"	5'-5"	-	-	-	-	-	-	
	11-7/8"	3'-2"	3'-10"	4'-7"	5'-3"	6'-0"	6'-9"	7'-8"	-	-	-	-	
	14"	4'-5"	5'-0"	5'-7"	6'-1"	6'-8"	7'-3"	8'-0"	8'-10"	9'-11"	11'-0"	12'-3"	
LPI 56	9-1/2"	1'-3"	2'-3"	3'-4"	4'-4"	5'-5"	-	-	-	-	-	-	
	11-7/8"	3'-2"	3'-10"	4'-7"	5'-3"	6'-0"	6'-9"	7'-8"	-	-	-	-	
	14"	4'-5"	5'-0"	5'-7"	6'-1"	6'-8"	7'-3"	8'-0"	8'-10"	9'-11"	11'-0"	12'-3"	
LPI 450	9-1/2"	1'-3"	2'-3"	3'-4"	4'-4"	5'-5"	-	-	-	-	-	-	
	11-7/8"	3'-2"	3'-10"	4'-7"	5'-3"	6'-0"	6'-9"	7'-8"	-	-	-	-	
	14"	4'-5"	5'-0"	5'-7"	6'-1"	6'-8"	7'-3"	8'-0"	8'-10"	9'-11"	11'-0"	12'-3"	
LPI 530	9-1/2"	1'-3"	2'-3"	3'-4"	4'-4"	5'-5"	-	-	-	-	-	-	
	11-7/8"	3'-2"	3'-10"	4'-7"	5'-3"	6'-0"	6'-9"	7'-8"	-	-	-	-	
	14"	4'-5"	5'-0"	5'-7"	6'-1"	6'-8"	7'-3"	8'-0"	8'-10"	9'-11"	11'-0"	12'-3"	

Beam Hole Details



- NOTES:**
- These guidelines apply to uniformly loaded beams selected from the Quick Reference Tables or the Uniform Load Tables or designed with LP's design/specification software only. For all other applications, such as beams with concentrated loads, please contact your LP SolidStart Engineered Wood Products distributor for assistance.
 - Round holes can be drilled anywhere in "Area A" provided that: no more than four holes are cut, with the minimum spacing described in the diagram. The maximum hole size is 1-1/2" for depths up to 9-1/4" and 2" for depths greater than 9-1/4".
 - Rectangular holes are NOT allowed.
 - DO NOT drill holes in cantilevers without prior approval from the project engineer/architect.
 - Other hole sizes and configurations MAY be possible with further engineering analysis. For more information, contact your LP SolidStart Engineered Wood Products distributor.
 - Up to three 3/4" holes may be drilled in "Area B" to accommodate wiring and/or water lines. These holes must be at least 12" apart. The holes should be located in the middle third of the depth, or a minimum of 3" from the bottom and top of the beam. For beams shallower than 9-1/4" locate holes at mid-depth.
 - Protect plumbing holes from moisture.

WARNINGS

The following conditions are NOT permitted!

Do not use visually damaged products without first checking with your local LP SolidStart Engineered Wood Products distributor or sales office.

R1 **DON'T** put holes too close to supports.

Refer to hole chart for correct location.

R2 **DON'T** overcut hole and damage flange.

R3 **DON'T** make hole with hammer unless knock-out is provided.

DON'T hammer on flange and damage joist.

R4 **DON'T** cut or notch flange.

R5 **DON'T** cut flange for pipes.

R6 **DON'T** use 16d nails.

Refer to detail "AS SHOWN NAILING" for correct sizes and locations.

R7 **DON'T** cut beyond inside edge of bearing.

FLANGE FACE NAILING SCHEDULE							
SERIES	NAIL SIZE AND TYPE	MINIMUM NAIL DISTANCE		SERIES	NAIL SIZE AND TYPE	MINIMUM NAIL DISTANCE	
		OC SPACING	END			OC SPACING	END
LPI 18	8d (2-1/2") Box or Common	2"	1"	LPI 36	8d (2-1/2") Box or Common	3"	1-1/2"
LPI 20Plus	16d (3") or 12d (3-1/4") Box	2"	1"	LPI 56	16d (3") or 12d (3-1/4") Box	3"	1-1/2"
LPI 32Plus	16d (3") or 12d (3-1/4") Common	2"	1-1/2"	LPI 450	16d (3") or 12d (3-1/4") Common	3"	1-1/2"
LPI 42Plus	16d (3") or 12d (3-1/4") Common	2"	1-1/2"	LPI 530	16d (3") or 12d (3-1/4") Common	3"	1-1/2"
LPI 20FB	16d (3") or 12d (3-1/4") Common	2"	1-1/2"				
LPI 42FB	16d (3") or 12d (3-1/4") Common	2"	1-1/2"				

- NOTES:**
- Some wind or seismic loads may require different or additional details and connections.
 - Verify building code requirements for suitability of details shown.
 - Refer to LPI Product Guides for bearing length requirements.
 - Refer to Flange Nailing Schedule for rim joist and blocking panel nailing.
 - Lateral support shall be considered for bottom flange when there is no sheathing on underside.
 - Verify capacity and fastening requirements of hangers and connectors.
 - Squash block capacity designed by others.
 - Do not use rim joists with flanges wider than 2-1/2".