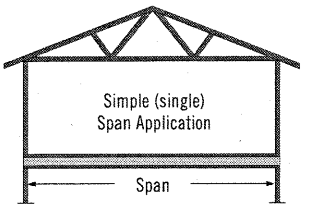
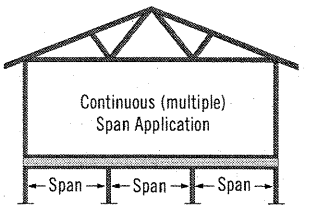
TO USE:

1. Select the appropriate table based on the project design loads.
2. For simple spans, select the L/480 or L/360 section of that table, as required. For continuous spans, select the section with or without web stiffeners, as needed.
3. Find a span that meets or exceeds the design span.
4. Read the corresponding joist depth and spacing.

Caution: For floor systems that require both simple span and continuous span joists, it is a good idea to check both before selecting a joist. Some conditions are controlled by continuous span strength rather than simple span deflection.





SIMPLE SPAN TABLES

Series	Depth	40 psf Live Load, 12 psf Dead Load							
		L/480				L/360			
		12" oc	16" oc	19.2" oc	24" oc	12" oc	16" oc	19.2" oc	24" oc
LPI 56	11-7/8"	**26'-5"**	**24'-1"**	22'-8"	21'-1"	**29'-3"**	**26'-8"**	**25'-1"**	**23'-4"**
	14"	**29'-11"**	**27'-3"**	**25'-8"**	**23'-10"**	**33'-1"**	**30'-2"**	**28'-5"**	**26'-5"**
	16"	**33'-0"**	**30'-0"**	**28'-4"**	**26'-3"**	**36'-6"**	**33'-3"**	**31'-4"**	**26'-7"**

Series	Depth	40 psf Live Load, 15 psf Dead Load							
		L/480				L/360			
		12" oc	16" oc	19.2" oc	24" oc	12" oc	16" oc	19.2" oc	24" oc
LPI 56	11-7/8"	**26'-5"**	**24'-1"**	**22'-8"**	21'-1"	**29'-3"**	**26'-8"**	**25'-1"**	**23'-4"**
	14"	**29'-11"**	**27'-3"**	**25'-8"**	**23'-10"**	**33'-1"**	**30'-2"**	**28'-5"**	**25'-1"**
	16"	**33'-0"**	**30'-0"**	**28'-4"**	**25'-1"**	**36'-6"**	**33'-3"**	**31'-4"**	**25'-1"**

Series	Depth	40 psf Live Load, 25 psf Dead Load							
		L/480				L/360			
		12" oc	16" oc	19.2" oc	24" oc	12" oc	16" oc	19.2" oc	24" oc
LPI 56	11-7/8"	**26'-5"**	**24'-1"**	**22'-8"**	**21'-1"**	**28'-5"**	**25'-11"**	**24'-5"**	21'-2"
	14"	**29'-11"**	**27'-3"**	**25'-8"**	21'-2"	**32'-2"**	**29'-4"**	**26'-7"**	21'-2"
	16"	**33'-0"**	**30'-0"**	**26'-7"**	21'-2"	**35'-6"**	**32'-0"**	**26'-7"**	21'-2"

CONTINUOUS SPAN TABLES

Series	Depth	40 psf Live Load, 12 psf Dead Load @ L/480							
		Without Web Stiffeners				With Web Stiffeners			
		12" oc	16" oc	19.2" oc	24" oc	12" oc	16" oc	19.2" oc	24" oc
LPI 56	11-7/8"	**29'-4"**	**26'-3"**	**24'-8"**	22'-11"	-	-	-	-
	14"	**33'-6"**	**30'-5"**	**28'-8"**	**25'-11"**	-	-	-	-
	16"	**36'-11"**	**33'-7"**	**31'-7"**	**28'-11"**	-	-	-	**29'-4"**

Series	Depth	40 psf Live Load, 15 psf Dead Load @ L/480							
		Without Web Stiffeners				With Web Stiffeners			
		12" oc	16" oc	19.2" oc	24" oc	12" oc	16" oc	19.2" oc	24" oc
LPI 56	11-7/8"	**29'-4"**	**26'-3"**	**24'-8"**	22'-11"	-	-	-	-
	14"	**33'-6"**	**30'-5"**	**28'-8"**	**25'-11"**	-	-	-	-
	16"	**36'-11"**	**33'-7"**	**31'-7"**	**27'-4"**	-	-	-	**28'-9"**

Series	Depth	40 psf Live Load, 25 psf Dead Load @ L/480							
		Without Web Stiffeners				With Web Stiffeners			
		12" oc	16" oc	19.2" oc	24" oc	12" oc	16" oc	19.2" oc	24" oc
LPI 56	11-7/8"	**29'-4"**	**26'-3"**	**24'-8"**	**22'-11"**	-	-	-	-
	14"	**33'-6"**	**30'-5"**	**28'-8"**	23'-1"	-	-	-	24'-3"
	16"	**36'-11"**	**33'-7"**	**28'-11"**	23'-1"	-	-	**30'-5"**	24'-3"

DESIGN ASSUMPTIONS:

1. The spans listed are the clear distance between supports.
2. The spans are based on uniform loads only.
3. These tables reflect the additional stiffness provided by 23/32" OSB APA-Rated Sheathing (48/24) or APA-Rated Sturd-I-Floor (24" oc), or equivalent, *glued and nailed* to the top flange of the joists.
4. Live load deflection has been limited to L/480 or L/360 as indicated in the tables above (L/480 only for continuous spans).
5. Total deflection has been limited to L/240. Those spans that exceed 3/4" of total deflection are shown in **bold**.
6. The spans are based on the minimum required bearings as listed on page 2.

ADDITIONAL NOTES:

1. Web stiffeners are not required for any of the spans listed in the Simple Span tables. Web stiffeners are only required for the Continuous Span tables in the "With Web Stiffeners" section. A "-" indicates that there is no increase in span through the use of web stiffeners. Web fillers are required for joists seated in hangers that do not laterally support the top flange.
2. L/360 is the minimum deflection criteria allowed per code, which allows the maximum amount of deflection in the floor.
3. The design of continuous spans is based on the longest span. The shortest span must not be less than 50% of the longest span.
4. These spans are *not* evaluated for vibration.
5. Bridging, blocking, a direct-applied ceiling and/or bottom-flange bracing, though not required for vertical load capacity, can improve floor vibration and bounce.
6. For conditions not shown, use the Uniform Floor Load (PLF) tables or contact your LP Engineered Wood Products distributor for assistance.