

SYSTEM OVERVIEW

**PWT
TREATED™** BY **PWT™**
TREATED RIGHT™ FOCUSED ON EWP

ENGINEERED WOOD PRODUCTS
Treated Laminated Veneer Lumber

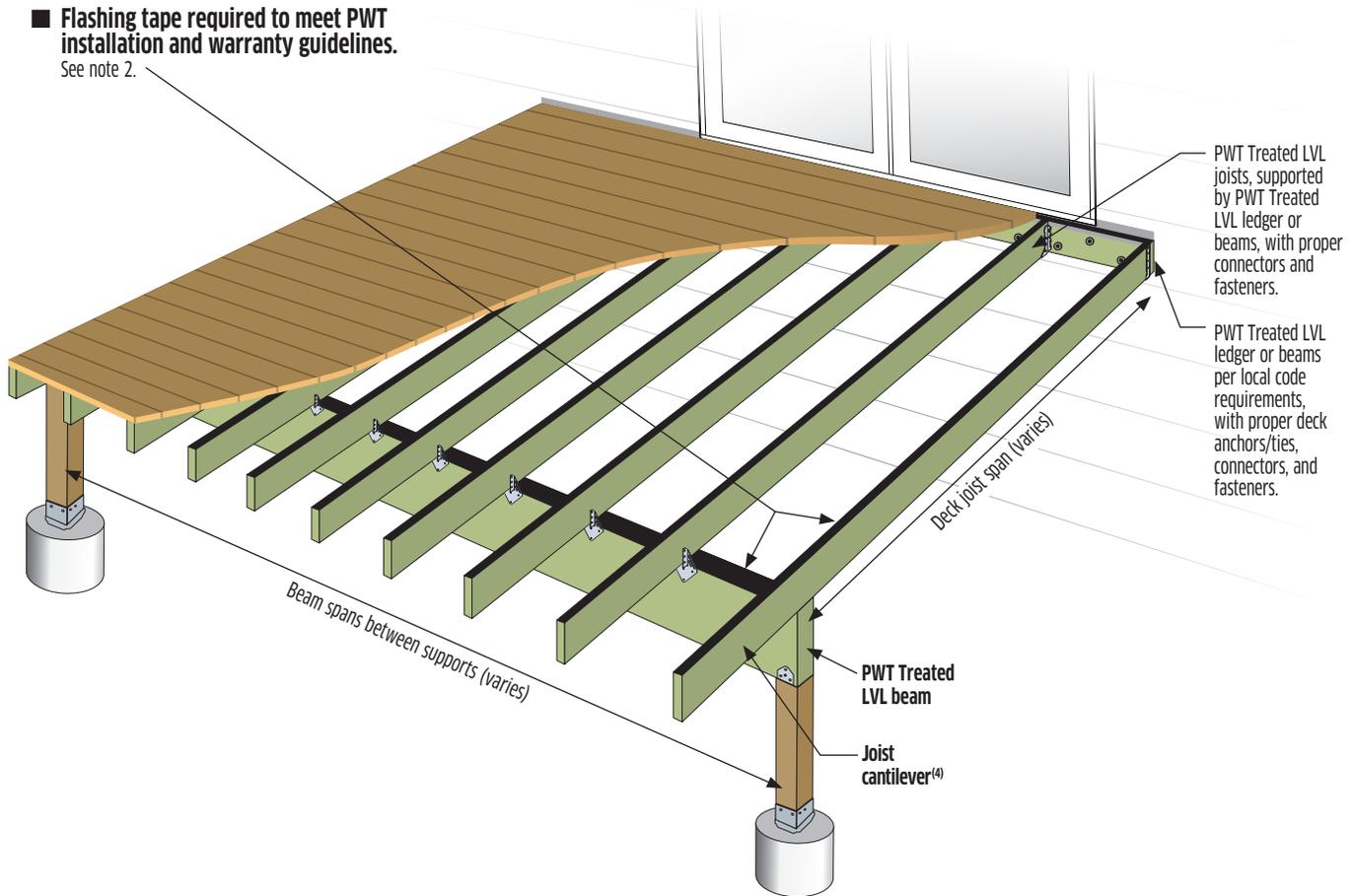


No waiting required!
 Apply exterior stain and/or paint directly onto
 PWT Treated™ LVL at time of installation

System Comparison

Features	PWT Treated Deck Framing	Ordinary Pressure-Treated Lumber	Steel Deck Framing
25-Year Warranty	YES	NO	YES
Ability to Stain at Time of Installation	YES	Limited Results	NO
Available in Long Lengths	YES	NO	NO
Consistent Dimension (No Planing)	YES	NO	YES
Interior Use	YES	NO	-

■ **Flashing tape required to meet PWT installation and warranty guidelines.**
 See note 2.



Notes:

1. For diagonal bracing, see *AWC Deck Construction Guide*, visit pacificwoodtech.com/treated.
2. For flashing tape recommendations, visit pacificwoodtech.com/treated.
3. For fastener and hanger information, visit strongtie.com/deckcenter.
4. Design conditions outside of the scope of this guide may be designed using the Exacte by PWT software.

Joist cantilever lengths in this guide are limited to 2 feet.
For longer cantilevers, please use the Exacte by PWT sizing software.

PWT Treated LVL Joist Lengths

CODE MINIMUMS

DRY USE – 40 PSF LIVE LOAD AND 10 PSF DEAD LOAD – L/360

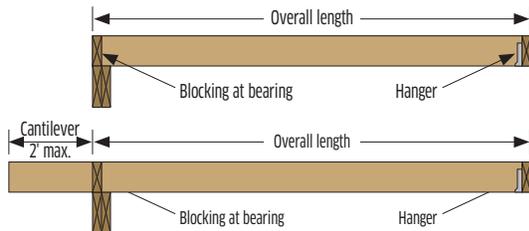
Product	Nominal Size [in]	Actual Size [in]	Joist Spacing (o.c.)		
			12"	16"	24"
PWT Treated LVL	2 x 6	1½ x 5½	11' 6"	10' 6"	9' 2"
	2 x 8	1½ x 7¼	15' 2"	13' 9"	12' 0"
	2 x 10	1½ x 9¼	19' 4"	17' 7"	15' 4"
	2 x 12	1½ x 11¼	23' 6"	21' 4"	18' 7"
Pressure Treated No. 2 Southern pine	2 x 8	1½ x 7¼	12' 10"	11' 1"	9' 1"
	2 x 10	1½ x 9¼	15' 2"	13' 2"	10' 9"
	2 x 12	1½ x 11¼	17' 10"	15' 6"	12' 8"
Pressure Treated No. 2 Hem-fir (incised)	2 x 8	1½ x 7¼	12' 1"	10' 5"	8' 6"
	2 x 10	1½ x 9¼	14' 8"	12' 9"	10' 5"
	2 x 12	1½ x 11¼	17' 0"	14' 9"	12' 1"

DRY USE – 60 PSF LIVE LOAD AND 10 PSF DEAD LOAD – L/360

Product	Nominal Size [in]	Actual Size [in]	Joist Spacing (o.c.)		
			12"	16"	24"
PWT Treated LVL	2 x 6	1½ x 5½	10' 1"	9' 2"	7' 11"
	2 x 8	1½ x 7¼	13' 3"	12' 0"	10' 6"
	2 x 10	1½ x 9¼	16' 10"	15' 4"	13' 4"
	2 x 12	1½ x 11¼	20' 6"	18' 7"	16' 2"
Pressure Treated No. 2 Southern pine	2 x 8	1½ x 7¼	10' 10"	9' 5"	7' 8"
	2 x 10	1½ x 9¼	12' 10"	11' 2"	9' 1"
	2 x 12	1½ x 11¼	15' 1"	13' 1"	10' 9"
Pressure Treated No. 2 Hem-fir (incised)	2 x 8	1½ x 7¼	10' 2"	8' 10"	7' 3"
	2 x 10	1½ x 9¼	12' 5"	10' 9"	8' 10"
	2 x 12	1½ x 11¼	14' 5"	12' 6"	10' 2"

Notes:

- Spans are the overall length of a simple span. Up to a 2' cantilever can be added to the overall length at one end.
- End bearing length must be at least 1.5".
- Cantilever bearing length must be at least 3".
- Joists require support across their full thickness or width.
- Joist tables are based upon 100% duration of load.
- Use the Exacte by PWT software for conditions outside the scope of this guide.
- Lateral bracing for the compression edge must be provided.
- Provide support to prevent lateral movement and rotation at the bearings.
- The spans for Pressure Treated Dimension Lumber are provided as a reference only. Do not use these spans for specification or design.



PWT Treated LVL Beam Spans

CODE MINIMUMS

DRY USE – 40 PSF LIVE LOAD AND 10 PSF DEAD LOAD – L/360

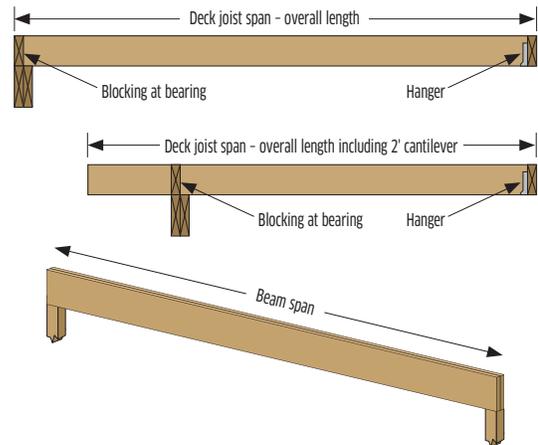
Size [in]	Deck Joist Overall Length – Simple Span [ft]						
	10	12	14	16	18	20	22
	Deck Joist Overall Length – with 2' Cantilever [ft]						
	6	8	10	12	14	16	18
3½ x 9½	15'-1"	14'-4"	13'-8"	13'-1"	12'-8"	12'-2"	11'-10"
3½ x 11½	18'-10"	17'-10"	17'-0"	16'-4"	15'-9"	15'-2"	14'-9"
3½ x 14	22'-2"	21'-0"	20'-0"	19'-2"	18'-6"	17'-10"	17'-4"
3½ x 16	25'-3"	24'-0"	22'-10"	21'-11"	21'-1"	20'-4"	19'-9"
3½ x 18	28'-5"	26'-11"	25'-8"	24'-7"	23'-8"	22'-11"	22'-2"
5¼ x 9½	17'-4"	16'-5"	15'-8"	15'-1"	14'-6"	14'-0"	13'-7"
5¼ x 11½	21'-7"	20'-6"	19'-7"	18'-9"	18'-1"	17'-5"	16'-11"
5¼ x 14	25'-5"	24'-1"	23'-0"	22'-1"	21'-3"	20'-6"	19'-11"
5¼ x 16	29'-0"	27'-6"	26'-3"	25'-2"	24'-3"	23'-5"	22'-8"
5¼ x 18	32'-7"	30'-11"	29'-6"	28'-3"	27'-3"	26'-4"	25'-6"

DRY USE – 60 PSF LIVE LOAD AND 10 PSF DEAD LOAD – L/360

Size [in]	Deck Joist Overall Length – Simple Span [ft]						
	10	12	14	16	18	20	22
	Deck Joist Overall Length – with 2' Cantilever [ft]						
	6	8	10	12	14	16	18
3½ x 9½	13'-2"	12'-6"	11'-11"	11'-5"	11'-0"	10'-7"	10'-3"
3½ x 11½	16'-5"	15'-7"	14'-10"	14'-3"	13'-8"	13'-2"	12'-10"
3½ x 14	19'-3"	18'-4"	17'-5"	16'-9"	16'-1"	15'-6"	15'-0"
3½ x 16	22'-0"	20'-10"	19'-11"	19'-1"	18'-4"	17'-9"	17'-2"
3½ x 18	24'-9"	23'-5"	22'-4"	21'-5"	20'-7"	19'-11"	19'-3"
5¼ x 9½	15'-1"	14'-4"	13'-8"	13'-1"	12'-8"	12'-2"	11'-10"
5¼ x 11½	18'-10"	17'-10"	17'-0"	16'-4"	15'-9"	15'-2"	14'-9"
5¼ x 14	22'-2"	21'-0"	20'-0"	19'-2"	18'-6"	17'-10"	17'-4"
5¼ x 16	25'-3"	24'-0"	22'-10"	21'-11"	21'-1"	20'-4"	19'-9"
5¼ x 18	28'-5"	26'-11"	25'-8"	24'-7"	23'-8"	22'-11"	22'-2"

Notes:

- Beams spans are defined as overall length, simple spans only.
- Bearing length must be at least 3.5".
- Beams require support across their full thickness or width.
- Beam spans are based upon 100% duration of load.
- Use the Exacte by PWT software for conditions outside the scope of this guide.
- Lateral bracing for the compression edge must be provided.
- Provide support to prevent lateral movement and rotation at the bearings.



PWT Treated LVL Stair Stringers

IMPROVED PERFORMANCE

MAXIMUM STRINGER RUN – DRY USE – 40 PSF LIVE LOAD & 12 PSF DEAD LOAD

Tread Width	36"		42"		44"		48"	
	Number of Stringers							
Stringer Depth	2	3	3	3	3	3	3	3
2-ply 1½" x 11¼"	14'-8"	14'-8"	13'-11"	13'-9"	13'-4"			
2-ply 1¾" x 11½"	15'-6"	15'-6"	14'-8"	14'-6"	14'-1"			
2-ply 1¾" x 14"	21'-4"	21'-4"	20'-3"	20'-0"	19'-5"			

MAXIMUM STRINGER RUN – DRY USE – 60 PSF LIVE LOAD & 12 PSF DEAD LOAD

Tread Width	36"		42"		44"		48"	
	Number of Stringers							
Stringer Depth	2	3	3	3	3	3	3	3
2-ply 1½" x 11¼"	12'-10"	12'-10"	12'-2"	12'-0"	11'-8"			
2-ply 1¾" x 11½"	13'-6"	13'-6"	12'-10"	12'-7"	12'-3"			
2-ply 1¾" x 14"	18'-8"	18'-8"	17'-8"	17'-3"	15'-9"			

Design Assumptions:

- Stringer run refers to the horizontal projection of the stairs.
- Table values are based on a maximum step rise of 7¾" and a minimum step run of 10". Consult local building codes for restrictions on riser and tread dimensions.
- Table values are limited by deflection equal to L/360 at live load or L/240 at total load.
- Stringer runs are based on 100% duration of load.
- Verify compliance with the local building code.
- For stringers not covered by these tables consult with the design professional.
- These spans are for dry use conditions only.
- Stringers shall be separated from concrete or masonry with 1" stand-off.
- Spans have been limited by the capacity of framing anchors at the stringer to header connection listed below.
 - One (1) Simpson® A35 framing anchor for stringers supporting the ends of the tread.
 - Two (2) Simpson® A35 framing anchors for stringers supporting the middle or center of the tread.



One of our customers recommended PWT Treated for a deck-build project, and we discovered this product was available nationwide! One of many unique qualities about PWT Treated is that you can get the boards cut to length—premade to the size you need. And it comes with a 25-year warranty. That's a huge benefit!



- EVAN NEWSOME
Owner
Pride Hardscape Construction



- JACOB DESBIENS
Owner
Trailside Construction

PWT Treated is treated throughout the entire material, and everything is true dimension, unlike pressure-treated lumber, which can vary in size. In addition, this product has no cupping or warping, and no shoring up or planing down is needed.



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