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COMMUNITY DEVELOPMENT DEPARTMENT

DECKS

Permit Information:

- Completed permit application including the estimated cost of construction and all contractors with their contact information.
- One copy of your plat of survey with the location and dimensions of the new deck marked clearly on the plat.
- Two sets of plans to scale, showing framing sizes, joist spacing, pier size and spacing, height of deck above grade, pier detail, stair design and guardrail detail.
- Once submitted, Village staff reviews all documents for compliance with Village Code. You will be contacted when the Permit is ready for pickup.
- The Village accepts cash or check only for payment.

Construction Requirements:

- See attached information

Inspections:

- Call 2 days ahead for all inspections.
 - Pier hole
 - Framing (prior to installation of deck boards)
 - Final

Reminder:

- State Law requires the actual person doing the digging to contact J.U.L.I.E. for location of underground utilities 48 hours before starting to dig. Call 800-892-0123 or 811.

If you have questions on your project, you are encouraged to contact the Community Development Department at 847-639-1100.

Southern Pine Maximum **Joist** Spans (L_j)¹

Joist Spacing (O.C.)						
Size	Allowable Span (L_j)			Allowable Overhang (L_o) ²		
	12"	16"	24"	12"	16"	24"
2x8	13' - 1"	11' - 10"	9' - 8"	1' - 10"	2' - 0"	2' - 4"
2x10	16' - 2"	14' - 0"	11' - 5"	3' - 1"	3' - 5"	2' - 10"
2x12	18' - 0" ³	16' - 6"	13' - 6"	4' - 6"	4' - 2"	3' - 4"

- Assumes 40 psf live load, 10 psf dead load, L/360 deflection, No. 2 grade, and wet service conditions
- Maximum allowable overhang cannot exceed L/4 or ¼ of actual main span. Assumes cantilever length/180 deflection with 220 lb point load.
- Joist length prescriptively limited to 18' - 0" for footing design.

Southern Pine Deck **Beam** Spans (L_B)¹

Size ²	Joist Spans (L_j) Less Than or Equal to:						
	6'	8'	10'	12'	14'	16'	18'
(2) 2x6	6' - 8"	5' - 8"	5' - 1"	4' - 7"	4' - 3"	4' - 0"	3' - 9"
(2) 2x8	8' - 6"	7" - 4"	6' - 6"	5' - 11"	5' - 6"	5' - 1"	4' - 9"
(2) 2x10	10' - 1"	8' - 9"	7' - 9"	7' - 1"	6' - 6"	6' - 1"	5' - 9"
(2) 2x12	11' - 11"	10' - 4"	9' - 2"	8' - 4"	7' - 9"	7' - 3"	6' - 9"
(3) 2x6	7' - 11"	7' - 2"	6' - 5"	5' - 10"	5' - 5"	5' - 0"	4' - 9"
(3) 2x8	10' - 7"	9' - 3"	8' - 3"	7' - 6"	6' - 11"	6' - 5"	6' - 1"
(3) 2x10	12' - 9"	11' - 0"	9' - 9"	8' - 9"	8" - 3"	7' - 8"	7' - 3"
(3) 2x12	15' - 0"	13' - 0"	11' - 7"	10' - 6"	9' - 9"	9' - 1"	8" - 7"

- Assumes 40 psf live load, 10 psf dead load, L/360 simple span beam deflection limit, L/180 cantilever deflection limit, No. 2 stress grade, and wet service conditions. Deck beam spans (L_B) can extend past the post centerline up to $L_B/4$
- Beam depth must be equal to or greater than the joist depth if joist hangers are used.