



**Warning:** You have prepared a preliminary design of a deck for residential purposes, including the preparation of a preliminary bill of materials and a preliminary materials pricing estimate. Materials pricing estimates do not include labor costs and are subject to change. This preliminary design is NOT intended for use as a final design and may not be sufficient for permit applications. Variations in building codes, specific architectural considerations, and/or site conditions may require changes to the preliminary design. You are responsible for the final structural, code compliance, material usage, and structural safety of this design. Be sure to check and verify the design with your architect, engineer and building inspector.

Lowe's does not assume any responsibility for design, engineering, or construction; for the use of installation of materials, or for compliance with any building code or standard of workmanship. You should consult with professionals (including an architect, engineer, licensed contractor, and/or building inspector or code official) concerning the suitability, safety, and legality of this preliminary design, rather than relying on this tool for those functions. Always refer to information on fastener packaging for use with pressure treated lumber.

**Preferences:** Certain assumptions have been made in order to provide an accurate material quote for your deck project. Because local codes and bylaw requirements may vary throughout the country (e.g., by municipality and state/province), it is imperative that you check with your architect, engineer, licensed contractor, and/or building inspector or code official for compliance with local requirements and building codes. The following building practice assumptions have been made in planning the materials for your project:

Footer Depth:	24"
Footer Type:	Post On Concrete
Joist Cantilever:	6 inches
Joist Spacing:	16" center to center
Spacing Between Deck Planking:	1/8"
Stair Stringers:	10 inches
Deck Live Load:	40 psf
Deck Dead Load:	10 psf
Stairs Live Load:	40 psf
Stairs Dead Load:	10 psf

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**Note:** It is recommended that joist that meet on top of beams should be spliced with gussets. The gussets should be 2- by wood the same width at the joist and overlap by 6 inches on each side. These gussets should be held in place with 12 16d galvanized nails.

### Handling Precautions for Pressure-Treated Wood

**Disposal:** Dispose of treated wood by ordinary trash collection. Treated wood should not be burned in open fires, stoves, fireplaces, or residential boilers because toxic chemicals may be produced as part of the smoke and ashes. Treated wood from commercial or industrial use (e.g. construction sites) must be disposed of in accordance with state and Federal regulations, which may include burning only in commercial or industrial incinerators or boilers. Always refer to information on fastener packaging for use with pressure treated lumber.

**Operating Conditions:** Avoid frequent or prolonged inhalation of sawdust from treated wood. When sawing, sanding and machining treated wood, wear a dust mask. Whenever possible, these operations should be performed outdoors to avoid indoor accumulations of airborne sawdust from treated wood. (Lowe's in-store saws are equipped with a vacuum to minimize airborne sawdust).

**Protection:** When power-sawing and machining, wear goggles to protect eyes from flying particles.

**Clean Thoroughly:** Wear gloves when working with the wood. After working with the wood, and before eating, drinking, toileting, and use of tobacco products, wash exposed areas thoroughly.

**Wash Separately:** Because preservatives or sawdust may accumulate on clothes, they should be laundered before reuse. Wash work clothes separately from other household clothing.

**For Additional Information:** [www.epa.gov](http://www.epa.gov) - [www.healthybuilding.net](http://www.healthybuilding.net) - [www.ccasafetyinfo.com](http://www.ccasafetyinfo.com)  
[www.treatedwood.com](http://www.treatedwood.com) - Call: (800)282-0600 or (800)356-AWPI