

Incl.	Ft.	In.	SF	Qty.	Calcs	Item	Directions
House & Porch Specs							
	12					House Width (24' Max.)	Exterior width of house, NOT incl. porch. Width is parallel to rafters. Considered the "side" of the house. Round up to next even #.
	12					House Length (24' Max.)	Exterior length of house, NOT incl. porch. Length is perpendicular to rafters. Considered the "front" of the house. Round up to next even #.
	12					Porch Location Porch Width (24' Max.) Porch Length (24' Max.)	Location of porch in relation to house. Enter a rear porch as "Front". It doesn't affect any materials. Width of porch ONLY. Width is parallel to rafters. Length of porch ONLY. Length is perpendicular to rafters.
	6						
						Side	
Loft/Ceiling Specs (Loft CAN include Porch)							
						No Loft/Ceiling Joists	X if no loft or ceiling joists are included. (Ex.: Vaulted ceiling with no loft.)
						No Porch Loft/Ceiling Joists	X if no porch loft or ceiling joists are included. (Ex.: Bottom of roof/rafters is exposed at porch.)
						Loft Covers Porch	X if loft extends over porch.
	12					Loft Width (24' Max.) Loft Length (24' Max.)	Exterior width of loft. Width is parallel to rafters. Typically the same as House Width. Exterior length of loft. Length is perpendicular to rafters. If partial lofts occur at both ends of a gable roof, total of both lengths.
	18						
Roof Specs							
						House Roof Includes Porch	X if house roof extends over porch.
						Gable Roof Shed Roof	X if house roof is a gable. (Pitched up to a ridge in the middle.) X if house roof is a shed. (Higher at one end, with no ridge.)
Foundation Specs							
		24				Foundation Height (0" Min., 96" Max.)	Foundation height above ground in inches. Enter "0" for Trailer, Slab, or Wood Skid Foundations.
						Trailer Foundation	X if foundation is a trailer. Assumes porch is also on trailer.
						Slab Foundation Slab Thickness	X if foundation is a concrete slab. Assumes porch is also a slab. Thickness of concrete slab.
		4				Wood Skid Foundation Skid Size Skid Qty. Skid Crossbrace Size Skid Crossbrace Qty.	X if foundation is wood skids (runners). Typically used on a building no more than 6'-8' on the shorter side. Size of skids. Qty. of skids. Typically 2. Size of skid crossbraces. Typically about 1/2 the size of skids. Qty. of skid crossbraces.
		PT 4x6		2			
		PT 4x4		3			
						Wood Post Foundation Post Size Wood Posts	X if foundation is wood posts on either footings or precast piers. Size of posts. Qty. of posts.
						Wood Piling Foundation Piling Size Wood Piling Piling Depth	X if foundation is buried wood posts/pilings . Size of pilings. Qty. of pilings. Depth of piling BELOW ground. This does NOT include the exposed Foundation Height above ground.
		PT 6x6		4			
		4				Foundation Piers	Qty. of foundation piers. (Any type: Precast, Sonotube, Concrete, or Block.)
						Precast Pier Foundation	X if foundation is precast concrete pier blocks, with or without wood posts above.
						Sonotube Pier Foundation Sonotube Size Sonotube Depth	X if foundation is poured round concrete piers using Sonotube forms. Size (diameter) of Sonotubes. Depth of Sonotube BELOW ground. This does NOT include the exposed Foundation Height above ground.
						Concrete Pier Footing Size Concrete Pier Footing Thickness Concrete Pier Footing Rebar Length Concrete Pier Footing Rebar Size	Size of concrete pier footing. Assumes square footings. Used at Concrete & Block Piers. Thickness of concrete pier footing. Assumes square footings. Used at Concrete & Block Piers. Length of rebar in ONE concrete pier footing. Size of rebar in concrete pier footing. #3=3/8" dia., #4=1/2", #5=5/8".
						Concrete Footing Width	Width of concrete footing. Used at Block Walls.

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		12		2		Concrete Footing Thickness	Thickness of concrete footing. Used at Block Walls.
		#5				Concrete Footing Rebar Rows	Rows of rebar in concrete footing. Typically 2-3.
						Concrete Footing Rebar Size	Size of rebar in concrete footing. #3=3/8" dia., #4=1/2", #5=5/8".
		16				Concrete Pier Foundation	X if Foundation is poured square concrete piers.
						Concrete Pier Size (12' Min., 24" Max.)	Concrete pier size. Assumes square piers.
		#4				Concrete Pier Rebar Length	Rebar length in ONE concrete pier, not incl. footing.
						Concrete Pier Rebar Size	Size of rebar in concrete pier. #3=3/8" dia., #4=1/2", #5=5/8".
		16				Block Pier Foundation	X if Foundation is block piers on a concrete footing. Also, if intermediate piers are present in a crawspace foundation.
						Block Pier Size (16" Min., 32" Max.)	Block pier size. Assumes square piers & full blocks.
		6				Block Crawspace Foundation	X if Foundation is continuous block walls on a concrete footing.
						Block Size (4" Min., 8" Max.)	Thickness of blocks in inches. Also used for block piers.

Floor Framing Specs

		PT 2X6		0		Mudsill Size	Size of mudsill (plate below floor joists & rim board). Enter "0" if no framed floor.
						Mudsill Layers	Qty. of mudsill layers. 1-2 is typical.
		PT 2X8		4		Floor Girder Size	Size of floor girders (beams under floor joists). Enter "0" if no framed floor or no girders.
						Floor Girder Count	Qty. of floor girders. Include each ply. Ex.: Enter 6 for (2) 3-ply girders
		2x8				Floor Joist Size	Size of floor joists. Enter "0" if no framed floor.
		16				Floor Joist Spacing	Spacing between floor joists. Typically 16".
4						Floor Joist Blocking Spacing	Spacing between rows of floor joist blocking. Typically 4'-6". Enter "0" if no blocking.
		5/8				Subfloor Type	Subfloor type. Typically "Ply" for plywood subfloor. "None" if slab foundation. "Deck" for deck boards instead of plywood.
		PT 5/4x6				Plywood Subfloor Size	Thickness & type of subfloor. Typically 5/8".
						Decking Size	Size of decking. Typically 5/4x6. Assumed at all porches, unless using a slab foundation.

Porch Floor Framing Specs

		PT 2X8				Porch Joist Size	Size of porch joists. Enter "0" if no framed floor. Porch joists are always pressure treated.
		16				Porch Joist Spacing	Spacing between porch joists. Typically 16".
4						Deck Stair Width	Width of deck stairs in feet. Enter "0" if no deck stairs. Rise of stairs will calculate from Foundation Height.

Wall Framing Specs - Shed roof front wall & all side walls are balloon-framed if no ceiling/loft.

		8				Wall Height (4' Min., 12' Max.)	Standard (shortest) wall height, not incl. any balloon framing.
		2x4				Ext. Stud Size	Size of exterior wall studs. Enter "0" if structure has no framed walls. Ex.: Porch only, open shed, gazebo, etc.
		16				Ext. Stud Spacing	Spacing of exterior studs. 16" is standard.
		2x4				Kneewall Stud Size	Size of kneewall studs at loft area. Enter "0" if structure has no kneewalls.
		2x6				Ext. Header Size	Size of LARGEST exterior wall header. Assumes 2-ply headers.
7						Ext. Header Length	Length of LONGEST exterior wall header.
		PT 2X8				Porch Header Size	Size of porch headers. Assumes 2-ply headers. Enter "0" if no porch roof/header.
		4x4		4		Porch Post Size	Size of porch posts supporting roof. Enter "0" if no porch posts.
						Porch Posts	Qty. of porch posts. Enter "0" if no porch posts.
		2x4				Int. Stud Size	Size of interior wall studs. Enter "0" if structure has no interior framed walls.
		16				Int. Stud Spacing	Spacing of interior studs. 16" is standard.
		2x4				Int. Header Size	Size of LARGEST interior wall header. Assumes 2-ply headers.
4						Int. Header Length	Length of LONGEST interior wall header.
		12				Int. Wall Length	Total length of interior walls.
		4				Gable Loft Front/Rear Kneewall Height (8' Max.)	Height of loft gable front & rear kneewalls. Enter "0" if rafters sit on loft subfloor or ceiling joists.

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	4					Shed Loft Rear Kneewall Height (8' Max.)	Length of loft shed rear kneewall. Enter "0" if rafters sit on loft subfloor or ceiling joists.
		3/8				Wall Sheathing Size	Thickness & type of wall sheathing. Typically 3/8"-1/2"
Loft/Ceiling Framing Specs							
						Loft Not Floored	X if using standard ceiling joists, & NO floored loft.
		2x10				Loft Girder Size	Size of loft girder. Typically used with partial lofts. Assumes 2-ply girders.
				0		Loft Girder Qty.	Qty. of loft/ceiling girders. Include each ply. Ex.: Enter 6 for (2) 3-ply girders.
		2x8				Loft Joist Size	Size of loft/ceiling joists.
		16				Loft Joist Spacing	Spacing between loft/ceiling joists. Typically 16".
	4					Loft Joist Blocking Spacing	Spacing between rows of loft/ceiling joist blocking. Typically 4-6'. Enter "0" if no blocking.
		2x8				Porch Loft Joist Size	Size of porch loft/ceiling joists.
Roof Framing Specs							
		2x6				Rafter Size	Size of rafters.
		24				Rafter Spacing	Spacing between rafters. Typically 16".
		2x8				Ridge Size	Size of gable roof ridge beam. Typically 1 size larger than rafters if Pitch is 8/12 or less, 2 sizes if 9/12 or more.
		2x4				Collar Tie Size	Size of collar ties.
		8				Roof Pitch (1" Min., 12' Max.)	Roof pitch. (Rise per 12" of run.) Ex.: Enter "4" for a 4/12 pitch.
	1					Eave (Front & Rear) Overhang (0' Min., 2' Max.)	Eave (front & rear) overhang. Enter "0" if none. (NOT recommended!)
	1					Rake (Side) Eave Overhang (0' Min., 2' Max.)	Rake (side) eave overhang. Enter "0" if none.
		2x6				Rake Rafter Size	Size of rake rafters. Typically 2x4, unless rake overhang is "0", then same size as rafters.
		1/2				Roof Sheathing Size	Thickness & type of roof sheathing. Typically 7/16"-5/8". Enter "None" if using purlins only & no sheathing.
		None				Roof Purlin Size	Size of roof purlins. Typically PT 1x4, & only used with metal/plastic roofing panels & in place of sheathing. Enter "None" if no purlins.
		24				Roof Purlin Spacing	Spacing between roof purlins. Typically 16"-24".
Ext. Door Specs							
				1		Single Ext. Door Qty.	Qty. of single exterior doors. "Single" is any door up to 3' wide.
				0		Double Ext. Door Qty.	Qty. of double exterior doors. "Double" is any door over 3' & up to 6' wide.
				0		Single Garage Door Qty.	Qty. of single garage doors. "Single" is any door up to 9' wide.
				0		Double Garage Door Qty.	Qty. of double garage doors. "Double" is any door over 9' & up to 18' wide.
Window Specs							
				6		Single Window Qty.	Qty. of single windows. "Single" is any window up to 3' wide x 6' tall.
				1		Double Window Qty.	Qty. of double windows. "Double" is any window over 3' & up to 6' wide x 6' tall.
Int. Door Specs							
				1		Single Int. Door Qty.	Qty. of single interior doors. "Single" is any door up to 3' wide, incl. cased openings.
				0		Double Int. Door Qty.	Qty. of double interior doors. "Double" is any door over 3' & up to 6' wide, incl. cased openings.
Drywall Specs							
		1/2				Drywall Thickness	Thickness of drywall. Typically 1/2".
	8					Drywall Length	Length of drywall panels. Typically 8' for smaller projects, 12' for larger projects.