

Incl.	Ft.	In.	SF	Qty.	Calcs	Item	Directions
					X	NOTE	Most "Ft." measurements are restricted to even numbers, due to standard building material sizes.
					X	NOTE	Round all restricted measurements up to next highest even number.
					X	NOTE	All blue-highlighted lines calculate automatically. To hide them, click the arrow in the Calcs column, & select "Blanks".
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 #.
			144		X	House Area	Area of 1st floor interior.
				48	X	House Perimeter	Perimeter of 1st floor interior.
						Side	
	12					Porch Location	Location of porch in relation to house. Enter a rear porch as "Front". It doesn't affect any materials.
						Porch Width (24' Max.)	Width of porch ONLY, Width is parallel to rafters.
	6					Porch Length (24' Max.)	Length of porch ONLY. Length is perpendicular to rafters.
			72		X	Porch Area	Area of porch.
				24	X	Porch Edge Length	Perimeter of porch, minus the side adjoining the house. (Where the rails go.)
	12				X	Footprint Width Error	Total width of house & porch COMBINED can't exceed 24'. The program WILL still operate, but RESULTS WILL NOT BE ACCURATE!!!
	18				X	Footprint Length Error	Total length of house & porch COMBINED can't exceed 24'. The program WILL still operate, but RESULTS WILL NOT BE ACCURATE!!!
	18				X	Max. Footprint Dimension	Longest side of house & porch combined.
	12				X	Min. Footprint Dimension	Shortest side of house & porch combined.
			216		X	Footprint Area	Area of house 1st floor & porch combined.
				60	X	Footprint Perimeter	Perimeter of house 1st floor & porch combined.
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.)
					X	Loft Covers Porch	X if loft extends over porch.
	12					Loft Width (24' Max.)	Exterior width of loft. Width is parallel to rafters. Typically the same as House Width.
	18					Loft Length (24' Max.)	Exterior length of loft. Length is perpendicular to rafters. If partial lofts occur at both ends of a gable roof, total of both lengths.
			216		X	Loft Area	Area of loft.
			404		X	Ceiling Area	Area of finished interior ceilings
Roof Specs							
					X	House Roof Includes Porch	X if house roof extends over porch.
					X	NOTE	Select ONE type of roof (bold text items) below ONLY.
					X	Gable Roof	X if house roof is a gable. (Pitched up to a ridge in the middle.)
					X	Shed Roof	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.
				3	X	Foundation Block Courses	Qty. of 8" block courses based on the given Foundation Height.
				2	X	Foundation Post Length	Length of foundation posts based on the given Foundation Height.
					X	NOTE	Select ONE type of foundation (bold text items) below ONLY, unless notes direct otherwise.
						Trailer Foundation	X if foundation is a trailer. Assumes porch is also on trailer.
						Slab Foundation	X if foundation is a concrete slab. Assumes porch is also a slab.
					X	NOTE	For a thickened edge slab, also select Block Crawlspace, with Foundation Height "0". Enter the thickened edge as the Footing Size & Thickness.
			4			Slab Thickness	Thickness of concrete slab.
						Wood Skid Foundation	X if foundation is wood skids (runners). Typically used on a building no more than 6'-8' on the shorter side.
						Skid Size	Size of skids.
						Skid Qty.	Qty. of skids. Typically 2.
						Skid Crossbrace Size	Size of skid crossbraces. Typically about 1/2 the size of skids.
						Skid Crossbrace Qty.	Qty. of skid crossbraces.
					X	Wood Post Foundation	X if foundation is wood posts on either footings or precast piers.
					X	NOTE	For posts on precast piers, also select Precast Pier Foundation.
					X	NOTE	For posts on concrete pier footings, also enter Pier Qty. & Concrete Pier Footing Size & Thickness.

Incl.	Ft.	In.	SF	Qty.	Calcs	Item	Directions
		PT 4x4		10		Post Size Wood Posts	Size of posts. Qty. of posts.
		PT 6x6		4		Wood Piling Foundation Piling Size Wood Pilings	X if foundation is buried wood posts/pilings . Size of pilings. Qty. of pilings.
	4					Piling Depth	Depth of piling BELOW ground. This does NOT include the exposed Foundation Height above ground.
	6				X	Foundation Piling Length	Total length of pilings, above and below ground.
				10		Foundation Piers	Qty. of foundation piers. (Any type: Precast, Sonotube, Concrete, or Block.)
X						Precast Pier Foundation	X if foundation is precast concrete pier blocks, with or without wood posts above.
						Sonotube Pier Foundation	X if foundation is poured round concrete piers using Sonotube forms.
		8				Sonotube Size	Size (diameter) of Sonotubes.
	2					Sonotube Depth	Depth of Sonotube BELOW ground. This does NOT include the exposed Foundation Height above ground.
	4				X	Sonotube Length (4' Max.)	Total length of Sonotubes, above and below ground.
		30				Concrete Pier Footing Size	Size of concrete pier footing. Assumes square footings. Used at Concrete & Block Piers.
		8				Concrete Pier Footing Thickness	Thickness of concrete pier footing. Assumes square footings. Used at Concrete & Block Piers.
				4.17	X	Concrete Pier Footing Volume (CF)	Volume of EACH concrete pier footing in CF.
	16					Concrete Pier Footing Rebar Length	Length of rebar in ONE concrete pier footing.
		#4				Concrete Pier Footing Rebar Size	Size of rebar in concrete pier footing. #3=3/8" dia., #4=1/2", #5=5/8".
		24				Concrete Footing Width	Width of concrete footing. Used at Block Walls.
		12				Concrete Footing Thickness	Thickness of concrete footing. Used at Block Walls.
				4.00	X	Concrete Footing Volume	Volume of concrete footing in CF, per LF of footing.
				2		Concrete Footing Rebar Rows	Rows of rebar in concrete footing. Typically 2-3.
		#5				Concrete Footing Rebar Size	Size of rebar in concrete footing. #3=3/8" dia., #4=1/2", #5=5/8".
						Concrete Pier Foundation	X if Foundation is poured square concrete piers.
		16				Concrete Pier Size (12" Min., 24" Max.)	Concrete pier size. Assumes square piers.
						Concrete Pier Rebar Length	Rebar length in ONE concrete pier, not incl. footing.
		#4				Concrete Pier Rebar Size	Size of rebar in concrete pier. #3=3/8" dia., #4=1/2", #5=5/8".
						Block Pier Foundation	X if Foundation is block piers on a concrete footing. Also, if intermediate piers are present in a crawspace foundation.
		16				Block Pier Size (16" Min., 32" Max.)	Block pier size. Assumes square piers & full blocks.
						Block Crawspace Foundation	X if Foundation is continuous block walls on a concrete footing.
		6				Block Size (4" Min., 8" Max.)	Thickness of blocks in inches. Also used for block piers.
	72				X	Block Foundation Length	Length of block walls. House Perimeter plus Porch Edge.

Floor Framing Specs

		PT 2X6		0		Mudsill Size Mudsill Layers	Size of mudsill (plate below floor joists & rim board). Enter "0" if no framed floor. Qty. of mudsill layers. 1-2 is typical.
		PT 2X8		4		Floor Girder Size Floor Girder Count	Size of floor girders (beams under floor joists). Enter "0" if no framed floor or no girders. 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.
				10	X	Floor Joist Qty.	Qty. of floor joists.
						Subfloor Type	Subfloor type. Typically "Ply" for plywood subfloor. "None" if slab foundation. "Deck" for deck boards instead of plywood.
		5/8				Plywood Subfloor Size	Thickness & type of subfloor. Typically 5/8".
		PT 5/4x6				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".
				6	X	Porch Joist Qty.	Qty. of Floor Joists.

Incl.	Ft.	In.	SF	Qty.	Calcs	Item	Directions
	4					Deck Stair Width	Width of deck stairs in feet. Enter "0" if no deck stairs. Rise of stairs will calculate from Foundation Height.
	8				X	Deck Stair Stringer Length	Length of deck stair stringer. Assumes PT 2x12 stringers & 7" rise.
				4	X	Deck Stair Risers	Qty. of deck stair risers. Assumes 7" rise.
	16				X	Deck Stair Riser LF	Total length of deck stair risers. Assumes 7" rise.
				3	X	Deck Stair Treads	Qty. of deck stair treads.
	12				X	Deck Stair Tread LF	Total length of deck stair treads.
	40				X	Porch Rail Length	Total length of porch rails, incl. porch edge & deck stair rails.
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.
	35					Ext. Header Total Length	Auto-Calcs from exterior door & window info. Enter total length of exterior wall headers to override.
	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 Porch Posts	Size of porch posts supporting roof. Enter "0" if no 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.
	8					Int. Header Total Length	Auto-Calcs from interior door info. Enter total length of interior wall headers to override.
	12					Int. Wall Length	Total length of interior walls.
		192			X	Int. Wall Area	Area of both sides of interior walls, not incl. interior side of exterior walls.
	12				X	Gable Front/Rear Wall Length	Length of 1st floor gable front or rear wall.
	8				X	Gable Front/Rear Wall Height	Height of 1st floor gable front & rear walls.
	12				X	Gable Side Walls Length	Length of one 1st floor gable side wall.
	8				X	Gable Side Walls Height	Height of 1st floor gable side walls, incl. any balloon framing.
	0				X	Porch Gable Side Wall Length	Length of one loft gable side wall above porch.
	8				X	Porch Gable Side Walls Height	Height of loft gable side walls above porch, incl. any balloon framing.
	18				X	Gable Loft Front/Rear Kneewall Length	Length of loft gable front or rear kneewall.
	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.
	12				X	Gable Loft Side Walls Length	Length of one loft gable side kneewall.
	8				X	Gable Loft Side Walls Height	Height of loft gable side kneewalls.
	12				X	Shed Front/Rear Wall Length	Length of 1st floor shed front or rear wall.
	8				X	Shed Front Wall Height	Height of 1st floor shed front wall. (Bottom of rafters at tall wall if no ceiling/loft. Standard wall height if ceiling/loft present.)
	8				X	Shed Rear Wall Height	Height of 1st floor shed rear wall.
	12				X	Shed Side Walls Length	Length of one 1st floor shed side wall.
	8				X	Shed Side Walls Height	Height of 1st floor shed side walls, incl. any balloon framing.
	18				X	Shed Loft Front/Rear Kneewall Length	Length of loft shed front or rear kneewall.
	12				X	Shed Loft Front Kneewall Height	Height of loft shed front kneewall.
	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.
	12				X	Shed Loft Side Kneewall Length	Length of one loft shed side kneewall.
	8				X	Shed Loft Side Kneewall Height	Height of loft shed side kneewalls.
	48				X	Total Ext. Wall Length - 1st Floor	Total length of exterior walls at 1st floor.
	60				X	Total Ext. Wall Length - Loft	Total length of exterior walls at loft.
			744		X	Ext. Wall Area	Exterior area of exterior walls, incl. floor & loft/ceiling joist bands.
			624		X	Ext. Wall Stud Area	Interior area of exterior walls.
	3/8					Wall Sheathing Size	Thickness & type of wall sheathing. Typically 3/8"-1/2"

Incl.	Ft.	In.	SF	Qty.	Calcs	Item	Directions
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.
				10	X	Loft Joist Qty.	Qty. of loft/ceiling joists.
		2x8				Porch Loft Joist Size	Size of porch loft/ceiling joists.
				6	X	Porch Loft Joist Qty.	Qty. of porch loft/ceiling joists.
Roof Framing Specs							
		2x6				Rafter Size	Size of rafters.
		24				Rafter Spacing	Spacing between rafters. Typically 16".
				20	X	Rafter Qty.	Qty. of rafters.
		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.
				20	X	Ridge Length	Length of ridge beam.
		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.
				1.2019	X	Roof Pitch Factor	Factor for rafter length & roof area, based on the given roof pitch.
		1				Eave (Front & Rear) Overhang (0' Min., 2' Max.)	Eave (front & rear) overhang. Enter "0" if none. (NOT recommended!)
				20	X	Eave (Front or Rear) Length	Length of one eave (front or rear).
		1				Rake (Side) Eave Overhang (0' Min., 2' Max.)	Rake (side) eave overhang. Enter "0" if none.
				20	X	Rake (Side) Eave Length	Length of one rake (side) eave.
		6			X	Gable Roof Run	Run of gable roof, NOT incl. side overhangs.
		17			X	Gable Roof Peak Height	Height of gable roof peak. (Bottom of rafters at ridge.)
		10			X	Gable Rafter Length	Length of gable roof rafters, incl. both front & rear overhangs.
		12			X	Shed Roof Run	Run of shed roof, NOT incl. side overhangs.
		21			X	Shed Roof Peak Height	Height of shed roof peak (Bottom of rafters at tall wall.)
		18			X	Shed Rafter Length	Length of shed roof rafters, incl. both front & rear overhangs.
		2x6				Rake Rafter Size	Size of rake rafters. Typically 2x4, unless rake overhang is "0", then same size as rafters.
				4	X	Rake Rafter Qty.	Qty. of rake rafters.
		1/2				Roof Sheathing Size	Thickness & type of roof sheathing. Typically 7/16"-5/8". Enter "None" if using purlins only & no sheathing.
				337	X	Roof Area	Area of exterior roof, incl. overhangs.
				260	X	Interior Roof Area	Area of interior roof, NOT incl. overhangs.
		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".
				10	X	Roof Purlin Qty.	Qty. of roof purlins.
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.
				1	X	Total Ext. Doors	Total qty. of exterior doors. Double doors count as 2.
		4			X	Ext. Door Head Trim	Total length of exterior door head (top) trim. Assumes 4'/single, 7'/double.
		14			X	Ext. Door Leg Trim	Total length of exterior door leg (side) trim. Assumes 14'/door.
				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.
				0	X	Total Garage Doors	Total qty. of garage doors. Double doors count as 2.

Incl.	Ft.	In.	SF	Qty.	Calcs	Item	Directions
	0				X	Gar. Door Head Trim	Total length of garage door head (top) trim. Assumes 10'/single, 20'/double.
	0				X	Gar. Door Leg Trim	Total length of garage door leg (side) trim. Assumes 16'/door.

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.	
				8	X	Total Windows	Total qty. of windows. Double windows count as 2.
	31				X	Window Head Trim	Total length of window head (top) trim. Assumes 4'/single, 7'/double.
	98				X	Window Leg Trim	Total length of window leg (side) trim. Assumes 14'/window.

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.	
				1	X	Total Int. Doors	Total qty. of interior doors. Double doors count as 2.
	8				X	Int. Door Head Trim	Total length of interior door head (top) trim. Assumes 8'/single, 14'/double.
	28				X	Int. Door Leg Trim	Total length of interior door leg (side) trim. Assumes 28'/door.

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.