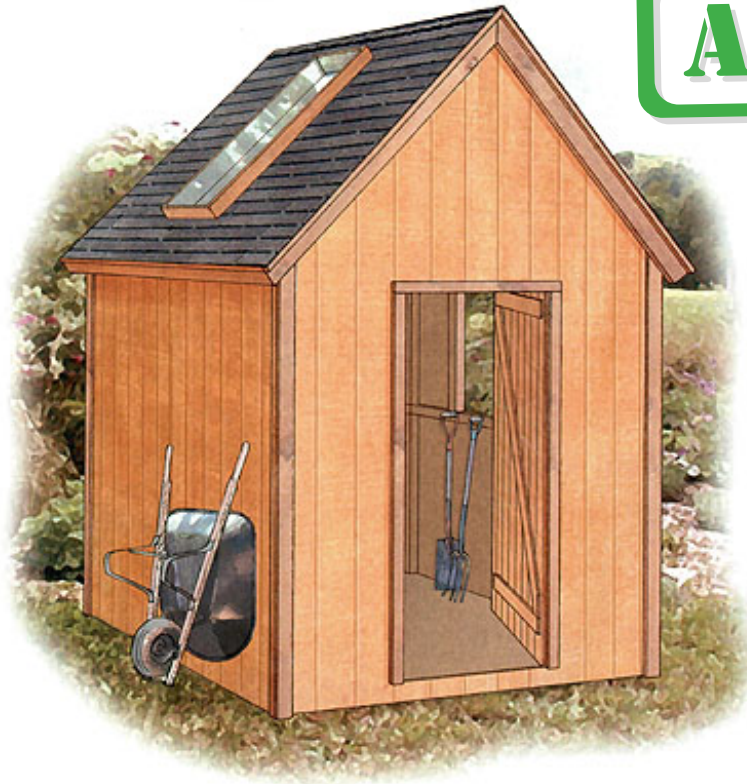




Timber-frame Garden Shed

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APPROVED

Timber-framing is a traditional building method that uses a simple framework of heavy timber posts and beams connected with hand-carved joints. From the outside, a timber-frame building looks like a standard, stick-framed structure, but the stout, rough-sawn members give the interior the feel of an 18th-century barn or workshop.

This 8 × 10-ft. shed has the same rough-sawn timbers and basic design used in traditional timber-framing, but with joints that are easy to make. In addition to an attractive interior, the shed has a homemade skylight and a large side window that make it a bright, inviting space. If staying cool is a concern, install operable windows, or adapt the shed frame to add more windows. Adding roof vents can improve ventilation, as well.

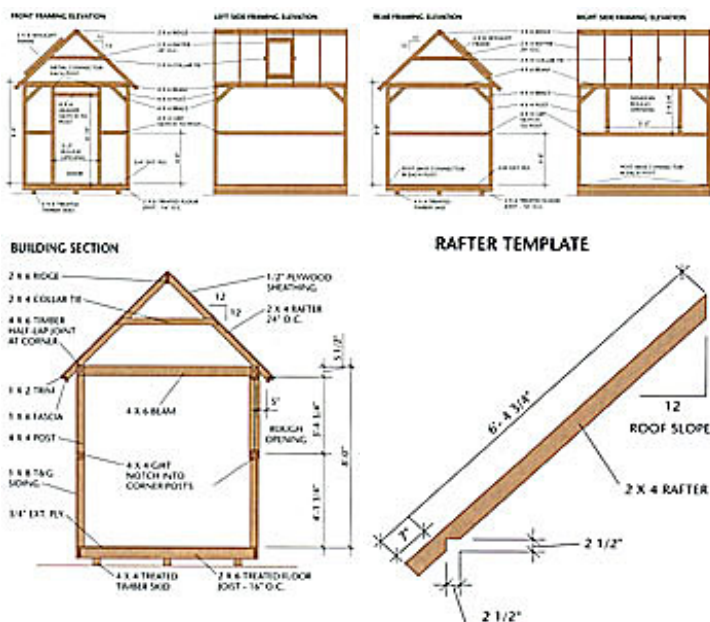
The roof frame in this project is made with standard 2 × 4s, but if you're willing to pay a little more to improve the appearance, you can use rough-cut 2 × 4s or 4 × 4s for the roof framing.

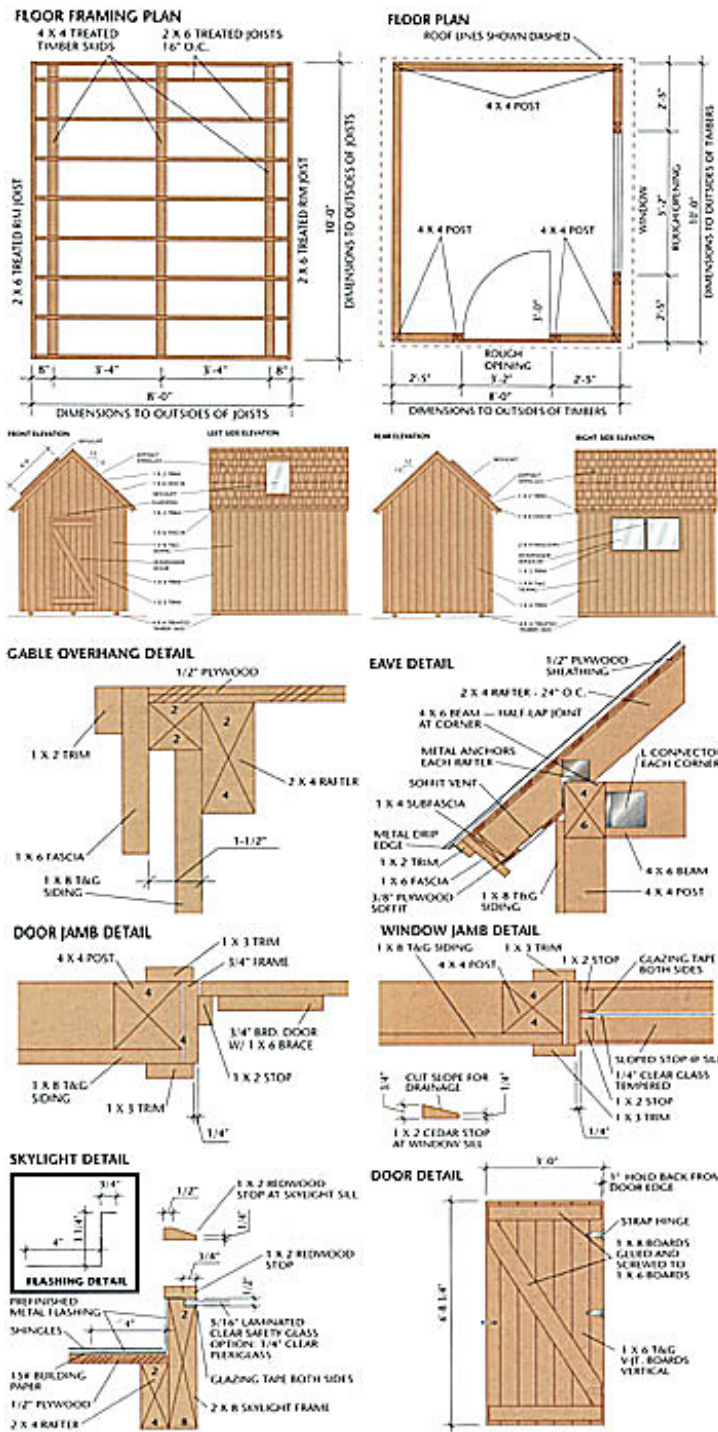
Materials		
Description	Quantity/Size	Material
Foundation		
Drainage material	25 cu. ft.	Compactible gravel
Skids	3 @ 10'-0"	4 × 4 treated timbers
Floor Framing		
Rim joists	2 @ 10'-0"	2 × 6 pressure-treated
Joists	9 @ 8'-0"	2 × 6 pressure-treated
Joist clip angles	18	3 × 3 × 3" × 18-gauge galvanized
Floor sheathing	3 sheets 4 × 8'	3/4" tongue-&-groove ext.-grade plywood
Wall Framing		
Posts	6 @ 8'-0"	4 × 4 rough-sawn cedar
Window posts	2 @ 4'-0"	4 × 4 rough-sawn cedar
Girts	2 @ 10'-0", 2 @ 8'-0"	4 × 4 rough-sawn cedar
Beams	2 @ 10'-0", 2 @ 8'-0"	4 × 6 rough-sawn cedar
Braces	8 @ 2'-0"	4 × 4 rough-sawn cedar
Post bases	6, with nails	Simpson BC40
Post-beam connectors	8 pieces, with nails	Simpson LCE
L-connectors	4, with nails	Simpson A34
Roof Framing		
Rafters	12 @ 7'-0"	2 × 4
Collar ties	1 @ 10'-0"	2 × 4
Ridge board	1 @ 10'-0"	2 × 6
Metal anchors-rafters	8, with nails	Simpson H1

Gable-end blocking	4 @ 7'-0"	2 × 2
Exterior Finishes		
Siding	2 @ 14'-0", 8 @ 12'-0", 10 @ 10'-0", 29 @ 9'-0"	1 × 8 T&G V-joint rough-sawn cedar
Corner trim	8 @ 9'-0"	1 × 4 rough-sawn cedar
Fascia	4 @ 7'-0", 2 @ 12'-0"	1 × 6 rough-sawn cedar
Fascia trim	4 @ 7'-0", 2 @ 12'-0"	1 × 2 rough-sawn cedar
Subfascia	2 @ 12'-0"	1 × 4 pine
Plywood soffits	1 sheet 4 × 8'	3/4" cedar or fir plywood
Soffit vents	4 @ 4 × 12"	Louver with bug screen
Flashing (door)	4 linear ft.	Galvanized—18 gauge
Roofing		
Roof sheathing	6 sheets 4 × 8'	1/2" ext.-grade plywood
Asphalt shingles	1.7 squares	250# per square (min.)
15# building paper	140 sq. ft.	
Metal drip edge	2 @ 12'-0", 4 @ 7'-0"	Galvanized metal
Roof vents (optional)	2 units	
Roofing cement	1 tube	
Skylight		
Frame	1 @ 12'-0"	2 × 8
Glazing tape	24 linear ft.	
Stops	1 @ 12'-0"	1 × 2 clear redwood
Glass	1 piece—field measure	5/16" tempered, clear (Optional: 1/4" plexiglass, clear)
Flashing	14 linear ft.	Prefinished metal-24 gauge

Window		
Frame	4 @ 6'-0"	3/4 × 4 1/4" (actual) S4S cedar
Mullion	1 @ 4'-0"	2 × 4 S4S cedar
Stops	8 @ 6'-0"	1 × 2 S4S cedar
Glazing tape	44 linear ft.	Glazing tape
Glass	2 pieces-field measure	1/4" tempered, clear
Trim	4 @ 6'-0", 4 @ 4'-0"	1 × 3 rough-sawn cedar
Door		
Frame	2 @ 7'-0", 1 @ 4'-0"	3/4 × 4 1/4" (actual) S4S cedar
Stops	2 @ 7'-0", 1 @ 4'-0"	1 × 2 S4S cedar
Panel material	7 @ 7'-0"	1 × 6 T&G V-joint rough-sawn cedar
Z-brace	2 @ 6'-0", 1 @ 8'-0"	1 × 6 rough-sawn cedar
Strap hinges	3	
Trim	5 @ 7'-0'	1 × 3 rough-sawn cedar
Fasteners		
60d common nails	16 nails	
20d common nails	32 nails	
16d galvanized common nails	3 1/2 lbs.	
10d common nails	1 lb.	
10d galvanized casing nails	1/2 lb.	
8d galvanized box nails	1 1/2 lbs.	

8d galvanized finish nails	7 lbs.
8d box nails	1/4 lb.
6d galvanized finish nails	40 nails
3d galvanized finish nails	50 nails
1 1/2" joist hanger nails	72 nails
2 1/2" deck screws	25 screws
1 1/2" wood screws	50 screws
7/8" galvanized roofing nails	2 lbs.
3/8" x 6" lag screws	16 screws
Silicone-latex caulk	2 tubes
Construction adhesive	4 tubes





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