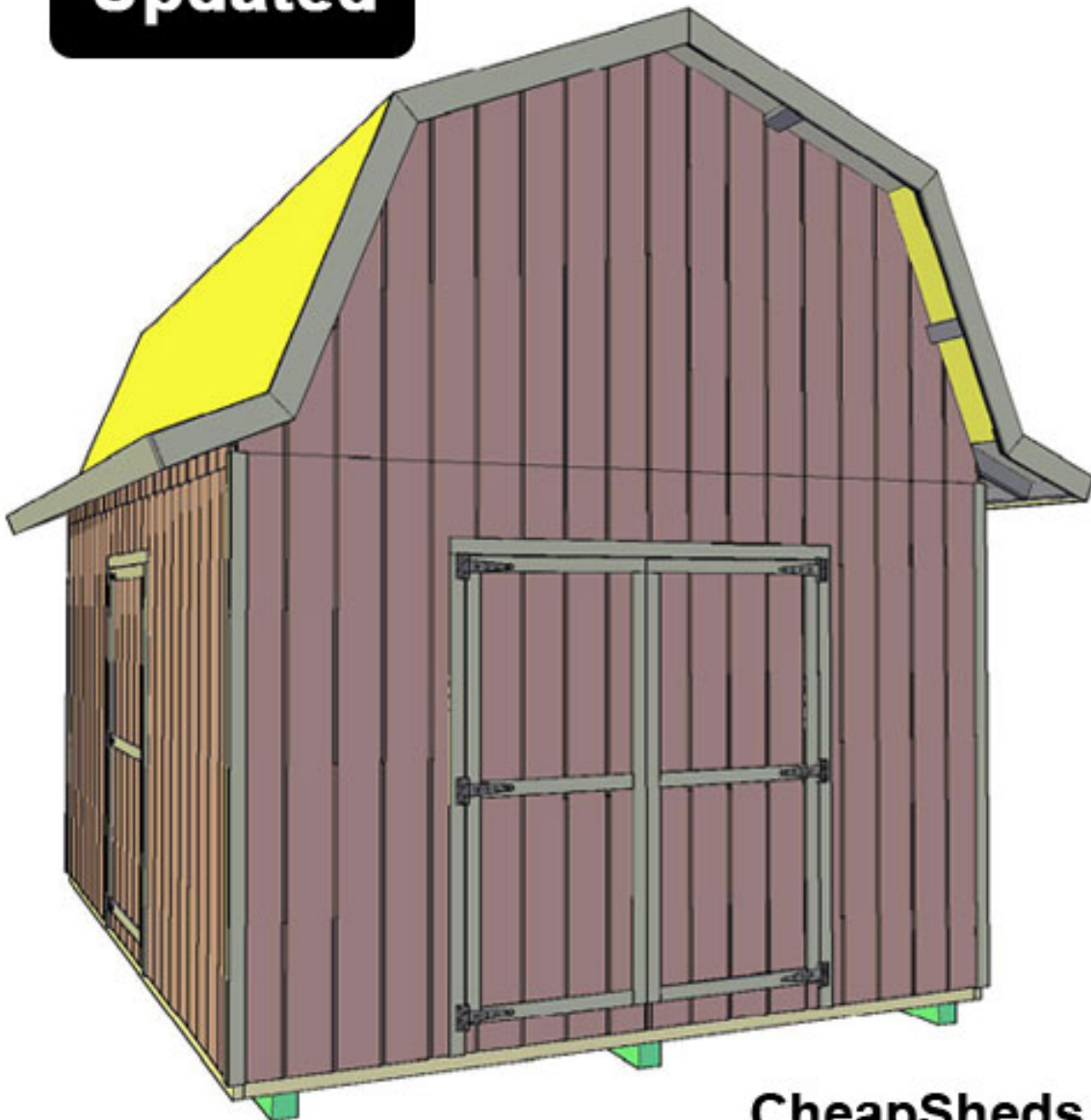


Tall Barn Style Shed Plans

31 Sizes From 8x4 through 16x32

Updated



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Materials & Cut List, 16x20 Gambrel Barn Shed Plans

Notes	Item: Cut Dimension, Table 2	Size	Quantity
	<i>Foundation</i>		
A	Pressure treated skids: B	4x4x10ft	8
	<i>Floor</i>		
	Band boards: B	2x6x20ft	2
	Floor joists: C	2x6x16ft	21
F	Floor Sheeting, 3/4in plywood or OSB	4ftx8ft	10
	<i>20ft Side wall #1</i>		
	Top plate: B	2x4x20ft	1
	Top & bottom plates: D	2x4x20ft	2
B	Studs: F	2x4x92 5/8	16
D	Siding, 7/16 to 5/8 inch	4ftx8ft	5
	<i>20ft Side wall #2</i>		
	Top plate: B	2x4x20ft	1
	Top & bottom plates: D	2x4x20ft	2
B	Studs: F	2x4x92 5/8	16
D	Siding, 7/16 to 5/8 inch	4ftx8ft	5
	<i>16ft End wall #1</i>		
	Top plate: E	2x4x16ft	1
	Top & bottom plates: A	2x4x16ft	2
B	Studs: F	2x4x92 5/8	13
D	Siding, 7/16 to 5/8 inch	4ftx8ft	4
	<i>16ft End wall #2</i>		
	Top plate: E	2x4x16ft	1
	Top & bottom plates: A	2x4x16ft	2

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B	Studs: F	2x4x92 5/8	13
D	Siding, 7/16 to 5/8 inch	4ftx8ft	4
	<i>Door</i>		
P	Header: Figure 5a	2x4x8ft	1
Q	Jack studs: Figure 5a	2x4x92 5/8	1
B	Inner door frame: Figure 5b	2x4x92 5/8	4
E	Trim	2.5x8ft	8
K	Hinges		3
L	Latch		1
	<i>Trusses</i>		
B	16 (each truss uses 4 pieces): H, Figure 3.1	2x4x92 5/8	64
	End truss collar beams: Figure 3.3	2x4x16ft	2
	Rafter ties (not necessary if you a build loft)	2x4x16ft	4
D	End truss siding, 7/16 to 5/8: Figure 3.3	4ftx8ft	8
	<i>Roof</i>		
G	Sheeting, 1/2 plywood or OSB	4ftx8ft	16
E	Trim, gambrel ends, corners	2.5x8ft	16
E	Trim, side wall eaves	2.5x8ft	5
H	Drip edge		7
I	Felt paper		3
J	Shingles, bundles		16

Cut Dimension In The Second Column are found in **Table 2** on page 72 of the [Tall Barn Style Shed Plans](#).

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Cost Estimate Worksheet, 16x20 Gambrel Barn Shed Plans

Notes	Item	Quantity	Price	Sub total
A	4x4x10ft Pressure treated	8		
B	2x4x92 5/8 (PC)	127		
	2x4x8ft	1		
	2x4x16ft	12		
	2x4x20ft	6		
	2x6x16ft	19		
	2x6x20ft	2		
D	7/16x4ftx8ft Hard board siding	26		
E	4ftx8ft No groove siding	2		
F	3/4x4ftx8ft Plywood or OSB	10		
G	1/2x4ftx8ft Plywood or OSB	16		
H	10ft Drip edge	7		
I	Felt paper, roll	3		
J	Shingles, bundles	16		
K	Hinges	3		
L	Latch	1		
M	Assorted fasteners		(estimate)	\$50.00
Grand Total				

Letters In The First Column refers to **Table 1 Notes** on the next page. Pay particular attention to notes "B" and "E" as many people miss them and email me about these subjects.

This list does not include materials for the optional loft, overhang, or crows beak.

Spacing: Floor joists are 12 inch on center, wall studs and trusses are 16 inch on center.

[Click Here](#) to download a materials & cut list and cost estimate worksheet for a different size/style shed plan.

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Table 1 Notes:

- A PT means pressure treated lumber. Pressure treated lumber is designed for long term ground contact without rotting or being eaten by termites.
- B PC means pre cut 2x4x92 5/8 inch lumber. If your building supply store doesn't carry them then buy regular 2x4x96" lumber. Pre cuts are cheaper and often times better quality lumber.
- C If you can't buy the length you need then buy the next longer size and cut it. This is often the case as many stores don't carry 14 or 18 ft lengths.
- D Using 4x8 sheets of composite siding that comes with a factory primer will allow you to build this shed with the least cost and in the shortest amount of time. Composite siding holds paint better than real wood siding and speeds construction over using a plywood or OSB base and covering with strips of siding. It comes in various grades and thicknesses depending on your budget. The top of the line if you can afford it is called "Duratemp". It is 7/16 to 5/8 inch plywood covered with a veneer of composite hard board. This offers the best of both worlds, strength and durability. Also "Smart Panel" offers a 7/16 - 5/8 inch thick OSB siding with a veneer of composite hard board which might be more readily available. Regular composite siding will still give you a long service life as long as you keep it painted properly. Most of them are rated for 20 or 25 years. And it's a good choice for budget reasons. The only downside is that it's not suitable for use in high humidity areas like Florida and Hawaii.
- E These plans are based on ripping 7/16 inch x 4' x 8' sheets of no groove (groove less) composite siding into 2 1/2 inch x 8 foot strips. One sheet will give you more than enough to trim the door and corners for this 8x8 shed. You don't absolutely need a table saw but it's the best way. You can do it with a circular saw but your cuts will not be so nice. No groove siding is siding without the normal grooves in it. You could use regular grooved siding but then you will have no control over where the grooves fall on your 2 1/2 inch strip. Or else you will have a lot of waste if you try to plan your cuts around the existing grooves in the normal siding. The no groove siding doesn't need to closely match the other siding. It just needs to match the texture so that it matches when painted. So if necessary you can buy one brand of grooved siding and another brand of no groove siding in the event you can't buy them both in the same brand. Or you can buy ready made trim boards but they are very expensive. As a last alternative you can use 1x3 pine boards for the trim. But I strongly recommend against this because real wood will take lots of extra prep time and effort and still will not give you as nice a finish product as composite hard board trim.
- F CDX is the cheapest and roughest grade of plywood with cracks and knots in the surface. You can use a better grade for a nicer floor finish. You can use either normal square edge plywood or the more expensive tongue and groove especially designed for floors. If you want to save a few dollars you can even use 1/2 inch OSB.

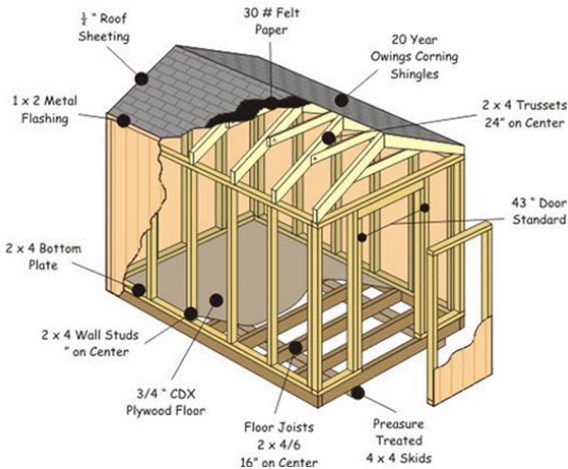
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- G Organized Strand Board (OSB) for roof sheeting is less expensive than plywood. But you can use either.
- H Metal drip edge, "D" style, usually 10 ft lengths, galvanized or painted.
- I Felt paper, 15 or 30#.
- J Number of shingle "bundles." 3 bundles usually cover 100 sq.ft of roof, or 1 "square." Use 3 tab shingles for economy, or spend a little more and buy high quality architectural shingles for longer lifespan and lower long term maintenance. If you want to install metal instead see this post on my website:
<http://www.cheapsheds.com/how-to-install-a-metal-roof-instead-of-shingles-on-your-shed/>
- K Hinges, use large heavy duty strap hinges. A better option is a single heavy duty piano hinge that runs the entire length of the door. You can see the preferred specifications and buy one online from a vendor listed on my website at <http://www.cheapsheds.com/piano-hinge/>
- L A typical gate latch will do in most cases. For a high secure latch see this post on my website: <http://www.cheapsheds.com/security-latch/>
- M Ask your building supply store for their estimate on the amount fasteners you'll need. Just buy more than you think you'll need because they're cheap and you can always use them on other projects. -3in deck screws for trusses and framing, -16d common nails for framing (if you don't use screws), -8d galvanized box nails for siding and trim, -8d sinkers nails for floor and roof sheeting (but you can use 8d galvanized nails), -5 1/2in x 1/4in carriage bolts, nuts, washers for the hinges and latch -3/4 in galvanized roofing nails for the shingles.

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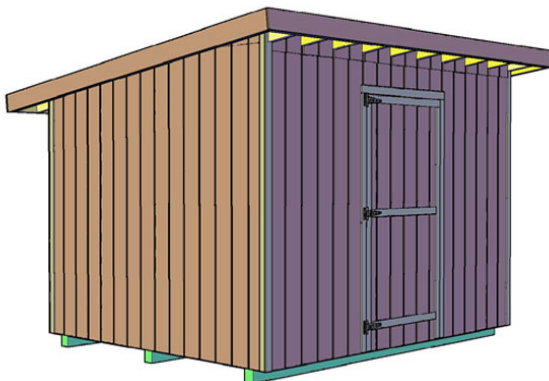
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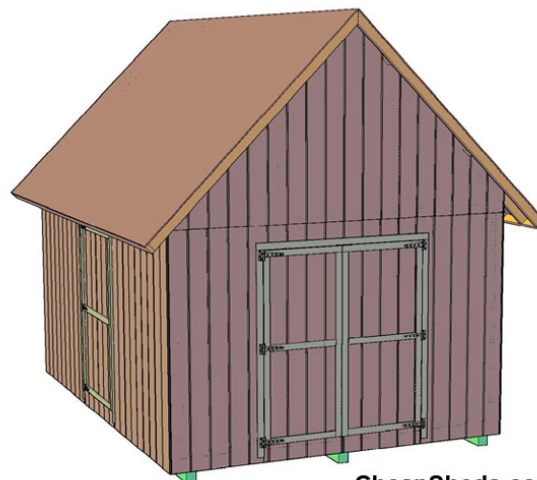


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