CheapSheds.com

Materials list and cost estimate worksheets

Gable roof shed, 8x4-12x20 Tall barn style, 8x4-12x20 Tall barn style, 14x16-16x32 Deluxe gable roof, 8x4-12x20 Deluxe gable roof, 14x16-16x32 Material usage notes for these sheds Lean to style Lean to style useage notes Bike shed Assorted figures Garage materials usage notes 14x24 1 Car garage 24x24 2 Car garage 24x32/32x24 3 Car garage 24x40 4 Car garage

Materials list and cost estimate for GABLE roof shed, 8x4-12x20

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	00 to	of of	848 848	8470	8122	8174	8176	2010	12	/ \$ ^{\$} /		12	12	/ \$ ^{\$}	2 2 2 2 2 2 2	/ 🔊	1,27	1.25	1,27/	\X\/	\$\$ ³ 3
A 4x4x8 pt	1	0	2	0	0	2	4	2	0	0	2 0	4	2	0	2	0	0	2	4	2	0
A 4x4x10 pt	0	0	0	2	0	0	0	0	2	0	0	0	2	4	0	2	0	0	0	2	4
A 4x4x12 pt	0	1	0	0	2	1	0	0	0	2	1	0	0	0	0	0	2	1	0	0	0
B 2x4xpc	33	39	46	48	53	59	64	42	43	49	53	58	62	67	44	49	54	59	64	69	74
C 2x4x8	6	5	7	5	5	5	5	5	1	1	1	1	1	1	5	1	1	1	1	1	1
C 2x4x10	0	0	0	6	0	0	0	4	8	4	4	4	4	4	0	4	0	0	0	0	0
C 2x4x12	0	1	0	0	6	0	0	0	0	4	0	0	0	0	4	4	8	4	4	4	4
C 2x4x14	0	0	0	0	0	6	0	0	0	0	4	0	0	0	0	0	0	4	0	0	0
C 2x4x16	0	0	0	0	0	0	6	0	0	0	0	4	0	0	0	0	0	0	4	0	0
C 2x4x18	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	4	0
C 2x4x20	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	4
C 2x6x8	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2	0	0	0	0	0	0
C 2x6x10	0	0	0	0	0	0	0	7	11	10	12	13	15	16	0	2	0	0	0	0	0
C 2x6x12	0	0	0	0	0	0	0	0	0	2	0	0	0	0	7	9	12	12	13	15	16
C 2x6x14	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2	0	0	0
C 2x6x16	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2	0	0
C 2x6x18	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2	0
C 2x6x20	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2
D siding	6	7	8	9	10	11	12	9	10	11	12	13	14	15	10	11	12	13	14	15	16
E No groove	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
F ³ / ₄ CDX	1	2	2	3	3	4	4	3	4	4	5	5	6	7	3	4	5	6	6	7	8
G 1/2 OSB	2	2	3	4	4	5	5	5	5	5	7	7	9	9	6	8	8	10	10	12	12
H 10 ft drip edge	2	3	4	4	5	5	5	5	5	5	6	6	7	7	5	5	5	6	7	7	7
I Felt 15#	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
J shingles	2	3	3	4	4	5	5	4	5	6	7	7	8	9	5	5	6	7	8	9	10
K hinges	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
L latch	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
M fasteners	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
06/14/17					·					ł							T	otal c	ost to	build	

Materials list and cost estimate for TALL BARN STYLE shed, 8x4-12x20

Notes Size	Cost	8x4	8x6	8x8	8x10	8x12	8x14	8x16	10x8	10x10	10x12	10x14	10x16	10x18	10x20	12x8	12x10	12x12	12x14	12x16	12x18	12x20	Sub total
A 4x4x8 pt		0	1	3	0	0	4	6	3	0	0	4	6	1	0	3	0	0	4	6	1	0	
A 4x4x10 pt		0	0	0	3	0	0	0	0	3	0	0	0	0	6	0	3	0	0	0	0	6	
A 4x4x12 pt		1	1	0	0	3	2	0	0	0	3	2	0	4	0	0	0	3	2	0	4	0	
B 2x4xpc		41	49	51	53	57	63	67	51	53	57	63	67	73	77	43	43	45	49	51	55	57	
C 2x4x8		5	5	7	5	5	5	5	3	1	1	1	1	1	1	3	1	1	1	1	1	1	
C 2x4x10		0	0	0	6	0	0	0	8	14	8	8	8	8	8	10	18	14	16	18	20	22	
C 2x4x12		0	0	0	0	6	0	0	0	0	6	0	0	0	0	8	8	14	8	8	8	8	
C 2x4x14		0	0	0	0	0	6	0	0	0	0	6	0	0	0	0	0	0	6	0	0	0	
C 2x4x16		0	0	0	0	0	0	6	0	0	0	0	6	0	0	0	0	0	0	6	0	0	
C 2x4x18		0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	6	0	
C 2x4x20		0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	6	
C 2x6x8		6	7	11	11	13	15	17	2	0	0	0	0	0	0	2	0	0	0	0	0	0	
C 2x6x10		0	0	0	2	0	0	0	9	13	13	15	17	19	21	0	2	0	0	0	0	0	
C 2x6x12		0	1	0	0	2	0	0	0	0	2	0	0	0	0	9	11	15	15	17	19	21	
C 2x6x14		0	0	0	0	0	2	0	0	0	0	2	0	0	0	0	0	0	2	0	0	0	
C 2x6x16		0	0	0	0	0	0	2	0	0	0	0	2	0	0	0	0	0	0	2	0	0	
C 2x6x18		0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2	0	
C 2x6x20		0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2	
D siding		10	11	12	13	14	15	16	14	15	16	17	18	19	20	16	17	18	19	20	21	22	
E No groove		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
F ¾ CDX		1	2	2	3	3	4	4	3	4	4	5	5	6	7	3	4	5	6	6	7	8	
G 1/2 OSB		2	3	4	5	6	8	8	4	5	6	8	8	10	10	5	6	7	10	10	12	12	
H 10 ft drip edge		4	4	5	5	5	5	6	5	6	6	7	7	8	8	6	7	7	8	8	9	9	
I Felt 15#		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
J shingles		2	3	4	5	6	6	7	5	6	6	8	9	9	10	6	6	8	9	10	11	12	
K hinges		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
L latch		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
M fasteners		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
05/20/17																			Total	cost	o buil	d	

Materials list and cost estimate for TALL BARN STYLE shed, 14x16-16x32

Notes	Size	Cost	∞ 14x16	14x20	14x24	o 14x28	14x32	16x16	16x20	16x24	v 16x28	16x32	Sub tota
Α	4x4x8 pt		8	0	0	2	4	8	0	0	2	4	
Α	4x4x10 pt		0	8	0	0	0	0	8	0	0	0	
Α	4x4x12 pt		0	0	8	8	8	0	0	8	8	8	
В	2x4xpc		55	61	67	73	79	109	127	145	163	181	
С	2x4x8		1	1	1	1	1	1	1	1	1	1	
С	2x4x10		0	0	0	0	0	0	0	0	0	0	
С	2x4x12		26	32	50	44	50	0	0	12	0	0	
С	2x4x14		11	12	13	26	15	0	0	0	12	0	
С	2x4x16		6	0	0	0	12	17	12	13	14	27	
С	2x4x18		0	0	0	0	0	0	0	0	0	0	
С	2x4x20		0	6	0	0	0	0	6	0	0	0	
С	2x6x8		0	0	2	2	2	0	0	2	2	2	
С	2x6x10		0	0	0	0	0	0	0	0	0	0	
С	2x6x12		0	0	4	0	0	0	0	4	0	0	
С	2x6x14		17	21	25	33	33	0	0	0	4	0	
С	2x6x16		2	0	0	0	4	19	21	25	29	37	
С	2x6x18		0	0	0	0	0	0	0	0	0	0	
С	2x6x20		0	0	0	0	0	0	2	0	0	0	
D	siding		22	24	26	28	30	24	26	28	30	32	
Ε	No groove		2	2	2	2	2	2	2	2	2	2	
F	¾ CDX		8	10	12	14	16	8	10	12	14	16	
G	1⁄2 OSB		11	14	17	20	22	13	16	19	22	25	
Н	10 ft drip edge		6	7	8	9	10	7	7	8	9	10	
Τ	Felt 15#		3	3	4	4	5	3	3	4	5	5	
J	shingles		11	14	17	20	22	13	16	19	22	25	
κ	hinges		3	3	3	3	3	3	3	3	3	3	
L	latch		1	1	1	1	1	1	1	1	1	1	
Μ	fasteners		2	2	2	2	2	2	2	2	2	2	
L	05/21/17			1									

Materials list and cost estimate for DELUXE GABLE ROOF shed, 8x4-12x20

Notes Size	Cost	8x4	8x6	8x8	8x10	8x12	8x14	8x16	10x8	10x10	10x12	10x14	10x16	10x18	10x20	12x8	12x10	12x12	12x14	12x16	12x18	12x20	Sub total
A 4x4x8 pt		0	1	3	0	0	4	6	3	0	0	4	6	1	0	3	0	0	4	6	1	0	
A 4x4x10 pt		0	0	0	3	0	0	0	0	3	0	0	0	0	6	0	3	0	0	0	0	6	
A 4x4x12 pt		1	1	0	0	3	2	0	0	0	3	2	0	4	0	0	0	3	2	0	4	0	
B 2x4xpc		46	55	58	61	66	73	78	60	63	68	75	80	87	92	48	49	52	57	60	65	68	
C 2x4x8		8	9	12	11	12	13	14	3	1	1	1	1	1	1	17	17	19	21	23	25	27	
C 2x4x10		0	0	0	6	0	0	0	11	18	11	14	15	16	17	0	6	0	0	0	0	0	
C 2x4x12		0	0	0	0	6	0	0	0	0	6	0	0	0	0	11	12	19	14	15	16	17	
C 2x4x14		0	0	0	0	0	6	0	0	0	0	6	0	0	0	0	0	0	6	0	0	0	
C 2x4x16		0	0	0	0	0	0	6	0	0	0	0	6	0	0	0	0	0	0	6	0	0	
C 2x4x18		0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	6	0	
C 2x4x20		0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	6	
C 2x6x8		6	7	11	11	13	15	17	2	0	0	0	0	0	0	2	0	0	0	0	0	0	
C 2x6x10		0	0	0	2	0	0	0	9	13	13	15	17	19	21	0	2	0	0	0	0	0	
C 2x6x12		0	1	0	0	2	0	0	0	0	2	0	0	0	0	9	11	15	15	17	19	21	
C 2x6x14		0	0	0	0	0	2	0	0	0	0	2	0	0	0	0	0	0	2	0	0	0	
C 2x6x16		0	0	0	0	0	0	2	0	0	0	0	2	0	0	0	0	0	0	2	0	0	
C 2x6x18		0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2	0	
C 2x6x20		0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2	
D siding		8	9	10	11	12	13	14	12	13	14	15	16	17	18	13	14	15	16	17	18	19	
E No groove		2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
F ¾ CDX		1	2	2	3	3	4	4	3	4	4	5	5	6	7	3	4	5	6	6	7	8	
G 1/2 OSB		3	4	4	5	6	6	7	5	6	7	8	9	9	10	6	7	8	9	10	11	12	
H 10 ft drip edge		5	5	6	6	7	7	8	6	7	7	8	8	9	9	7	7	8	9	9	9	10	
I Felt 15#		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	
J shingles		3	4	5	5	6	6	7	5	6	7	8	9	9	10	6	7	8	9	10	11	12	
K hinges		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
L latch		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
M fasteners		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
06/21/17																			Total	cost t	o buil	d	

Materials list and cost estimate for DELUXE GABLE ROOF shed, 14X16-16-32

Notes	Size	Cost	14x16	14x20	14x24	o 14x28	14x32	16x16	16x20	16x24	N 16x28	16x32	Sub tota
Α	4x4x8 pt		8	0	0	2	4	8	0	0	2	4	
Α	4x4x10 pt		0	8	0	0	0	0	8	0	0	0	
Α	4x4x12 pt		0	0	8	8	8	0	0	8	8	8	
В	2x4xpc		81	93	105	117	129	83	95	107	119	131	
	2x4x8		1	1	1	1	1	1	1	1	1	1	
	2x4x10		30	36	42	48	54	30	36	42	48	54	
	2x4x12		0	0	12	0	0	0	0	12	0	0	
С	2x4x14		22	22	25	40	31	0	0	0	12	0	
	2x4x16		6	0	0	0	12	25	22	25	28	43	
С	2x4x18		0	0	0	0	0	0	0	0	0	0	
	2x4x20		0	6	0	0	0	0	6	0	0	0	
	2x6x8		0	0	2	2	2	0	0	2	2	2	
	2x6x10		0	0	0	0	0	0	0	0	0	0	
	2x6x12		0	0	4	0	0	0	0	4	0	0	
С	2x6x14		17	21	25	33	33	0	0	0	4	0	
	2x6x16		2	0	0	0	4	19	21	25	29	37	
С	2x6x18		0	0	0	0	0	0	0	0	0	0	
	2x6x20		0	2	0	0	0	0	2	0	0	0	
D	siding		19	21	23	25	27	22	24	26	28	30	
Е	No groove		3	3	3	4	4	3	3	3	4	4	
F	¾ CDX		8	10	12	14	16	8	10	12	14	16	
G	½ OSB		11	14	16	16	18	13	15	18	21	24	
Н	10 ft drip edge		10	11	12	12	13	10	11	12	13	14	
Ι	Felt 15#		2	2	2	2	3	2	2	2	3	3	
J	shingles		11	14	16	19	21	13	15	18	21	24	
	hinges		3	3	3	3	3	3	3	3	3	3	
L	latch		1	1	1	1	1	1	1	1	1	1	
Μ	fasteners		2	2	2	3	3	2	2	3	3	3	
L	06/22/17	<u> </u>								1		1	

Notes

A) PT means ground contact rated pressure treated lumber.

B) PC means pre cut 2x4x925/8 inch lumber. If your building supply store doesn't carry them then use regular 2x4x96" lumber. I recommend using pre cuts because they 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 your new 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 1/2 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 1/2 - 5/8 inch thick OSB siding with a veneer of composite hard board which might be more readily available.

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. Two sheets will give you more than enough to trim the door and corners for any size shed you build. 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 1×3 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 OSB or the more expensive tongue and groove especially designed for floors.

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) Shingles, use 3 tab for economy or spend a little more and buy high quality architectural shingles for longer lifespan and lower long term maintenance.

- K) Hinges, use large heavy duty strap hinges.
- L) A typical gate latch will do in most cases.

M) Ask your building supply store for their estimate on the amount fasteners as it will vary widely depending on the size shed you're building. Just buy more then you need because they're cheap and you can always use them on other projects. 3in drywall screws for trusses and framing, 16d common nails for framing (if you don't use screws), 8d galvanized box for siding and trim, 8d sinkers for floor and roof sheeting (but you can use 8d galvanized), 5 1/2in x 1/4in carriage bolts, nuts, washers for hinges and latches

Materials list and cost estimate for LEAN TO STYLE

		Item	Size, description	Quantity	Price	S ub Total
			FOUNDATION			
А	1	Pressure treated skids				
	2	Concrete blocks				
			FLOOR			
С	3	Rim joists				
	4	Joists				
F	5	Sheeting				
			SLOPED WALL 1			
С	6	Top and bottom plates				
В	7	Wall studs				
D	8	Siding				
			SLOPED WALL 2			
С	6	Top and bottom plates				
В	7	Wall studs				
D	8	Siding				
			TALL WALL			
С	6	Top and bottom plates				
В	7	Studs				
D	8	Siding				
			SHORT WALL			
С	6	Top and bottom plates				
В	7	Studs				
D	8	Siding				
			DOOR			
К	10	Hinges				
L	11	Latch				
В	12	Door frame				
E	14	Trim				
			ROOF STRUCTURE			
	9	Rafters				
	9	Flying rafters				
	13	End boards				
В		Rafter supports				
	16	Eave boards				
		Trim				
G	17	Roof sheeting				
			TRIM			
E	14	Corner				
			ROOF COVERING			
н		Metal flashing				
I	19	Felt paper				
		Roofing materials				
			OTHER			
м	М	Fasteners				
	22	Paint				
L					Total	

Lean To Style usage notes:

1) 2-3 skids for 4, 6 and 8 ft wide sheds and 3-5 skids for 10 and 12 ft wide sheds. The will need to be the length of the shed, dimension "B". It's ok to put smaller lengths together to get the total length.

2) Use 16x16x4 concrete pads every 48 inches under every skid. If the ground isn't level you can add additional 2x8x16 blocks to make up the gap between the 16x16x4 blocks and the skids.

3) 2 @ Dimension "B", 2x4 for sheds 8 ft wide or less, 2x6 for sheds over 8 ft wide.

4) Dimension "A", count from Table 3 depending on spacing, 2x4 for sheds 8 ft wide or less, 2x6 for sheds over 8 ft wide.

5) 3/4 in x4x8 sheets of plywood. Full sheets plus partial sheets depending on the width and length of the floor.

- 6) 2 for each wall, 2x4x Dimension "A" or dimension "B"
- 7) Count from table 3, length depends on wall height
- 8) Count is dimension "A" or "B" divided by 4 ft
- 9) Count from table 3, add 2 for flying rafters if building with full overhang, dimension "S", 2x4 for sheds 8 ft wide or less, 2x6 for sheds over 8 ft wide
- 10) 3 large hinges for each door
- 11) 1 latch for single doors, plus 2 for top and bottom inside for double doors

12) 2 jack studs, 3 vertical uprights inner door frame, 4 for header and horizontal cross pieces, depending on the door width, a few more for double doors

13) 2 @ Dimension "B", dimension "B" plus 24 inches for full overhang, same size wood as the rafters, ok to butt splice if you can't find full length piece

14) 8 corner pieces, 6 door trim, more for wide or double doors, around the top if not using 3-6 in or full overhang option.

15) If using 4-6 inch overhang option, 2@ dimension "A", 2 @ (dimension "B" plus 12 inches), use 2x4 for 4 inch overhang, 2x6 for 6 inch overhang.

Full overhang use 5 or 6 inch wide ripped from siding, around the facia, or use metal to match the roof

16) For full overhang cut strips from siding about 6 to 8 inches wide, the length of either side

17) 1/2 in x4x8 sheets of OSB or plywood. Full sheets plus partial sheets depending on the width and length of the roof.

18) Perimeter of the roof divided by the length of the drip edge, usually 10 ft. Or use flashing to match the metal roof.

19) 15# felt usually covers 400 sq.ft, 30# felt usually covers 200 sq.ft, use 1 or two layers

20) 2x4's, probably can get these from cut offs

21) Metal: Length of the shed including the overhang divided by the width of the material. Rolled asphalt roofing: Sq.Ft of the roof divided by the materials coverage, usually 100 sq.ft. per roll, plus some tar for the seams

22) Coverage per the manufacturer. You will only need a pint or so for the trim, depending on the size of the shed. A few tubes of high quality caulk.

Materials list and cost estimate worksheet for bike shed or small garden shed

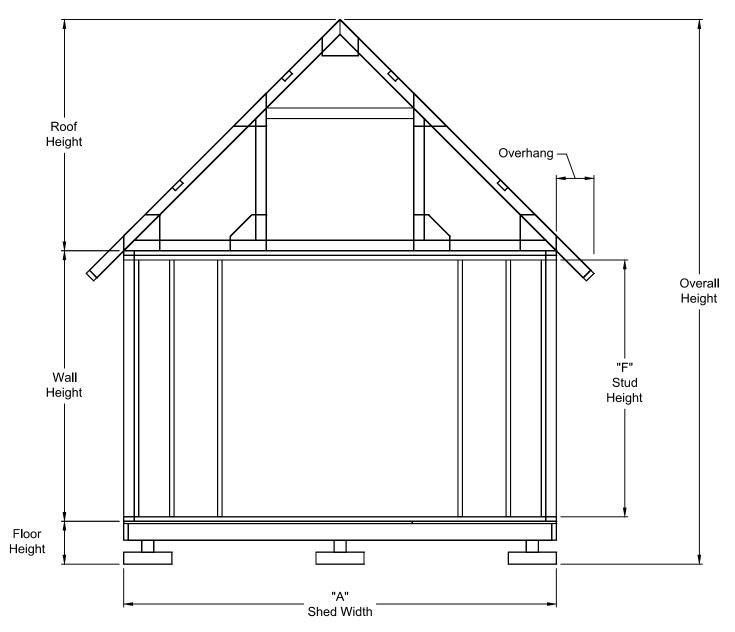
- If your store doesn't carry 7 ft siding you can use 8 ft. It just costs more and has more waste.
- If you can't find 2x4x925/8 inch then use 2x4x8ft.
- Ask your building supply store for their estimate for fasteners as you are purchasing the lumber.

Item	Cost	Quantity	Sub Total	
2x4x8ft pressure treated		3		• Cost: \$5.94
1/2 inch OSB sheeting		1		• Compact with a foot print under 4 ft square and under 7 ft tall
7/16 inch x4x7 hardboard siding		4		Portable enough to transport in the
2x4x8ft (2x4x92 5/8 inch)		23		back of a pickup truck and move
hinges		3		across the yard with a hand truckCan be made modular so you can
latch		1		take it apart and move it in 6 big
Flashing (10ft sections)		2		 pieces if necessary Holds 2 bicycles upright
Shingles (bundle)		1		 Great for keeping garden tools out of
Assorted fasteners				site
		Total Cost		Available on my website here



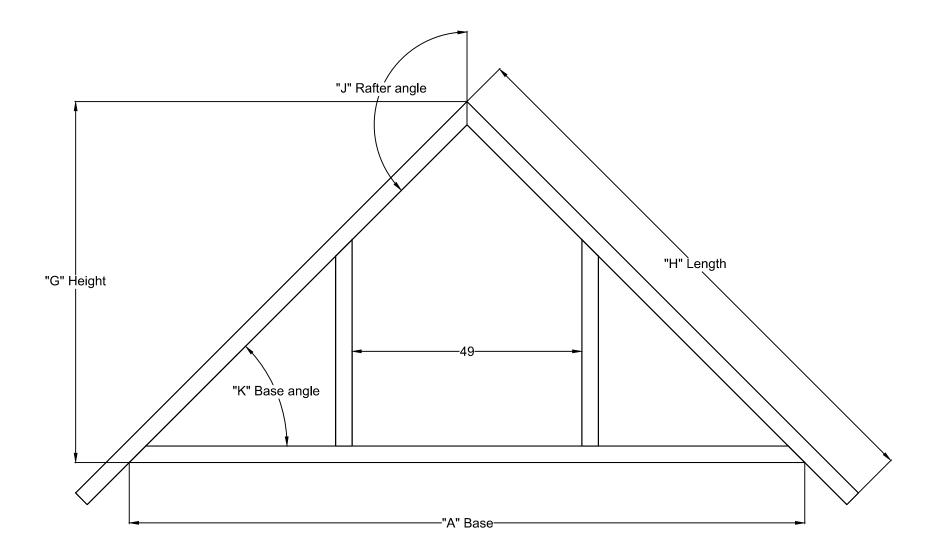
Figure 1: Detailed view of the framing for Gable Roof Shed Plans in 21 Sizes



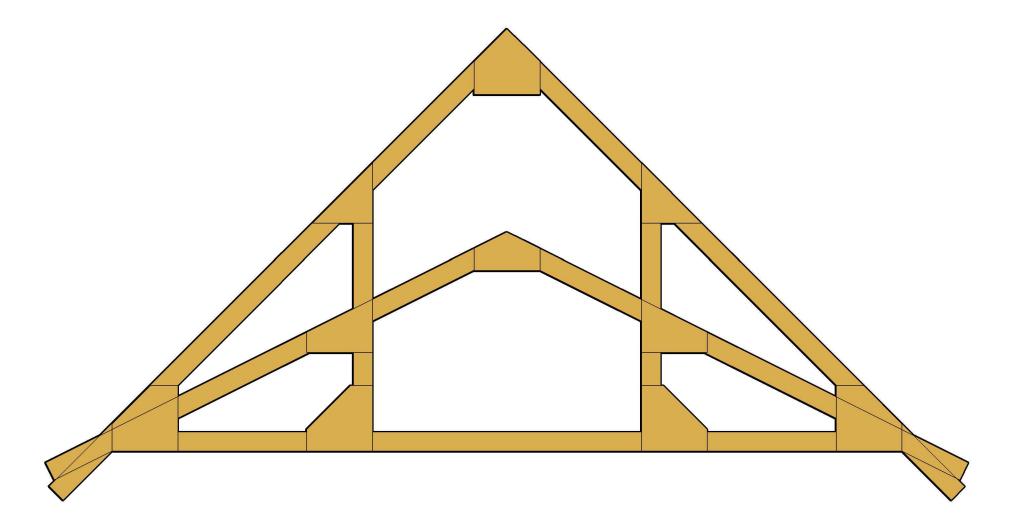


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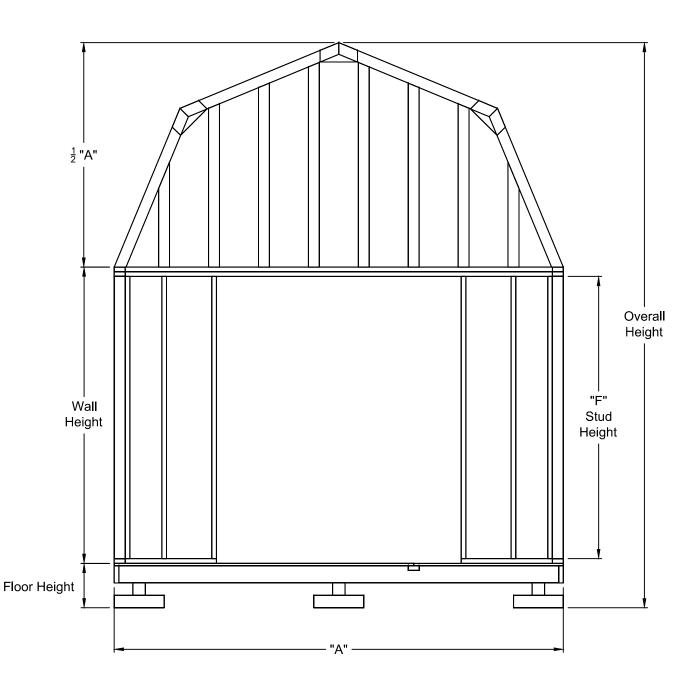
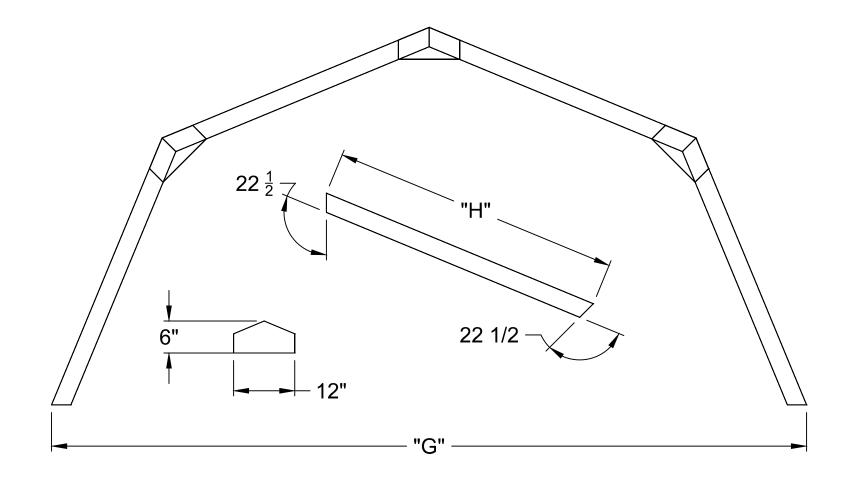


Figure 4.1, Wall dimensions

Tall Barn Style Shed

Figure 3.1, Truss dimensions







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Materials Lists And Cost Estimate Worksheets

Contents

- Instructions
- Notes on materials usage
- 14x24 Materials list and cost estimate worksheet
- 24x24 Materials list and cost estimate worksheet
- 24x32 / 32x24 Materials list and cost estimate worksheet
- 24x40 Materials list and cost estimate worksheet

Instructions

Read the notes on materials usage so you understand the components of the materials list and cost estimate worksheets.

Then print the cost estimate worksheet of the desired garage size and take it down to your lumber supply store. Fill in the prices to calculate the materials cost for the garage shell.

Notes on materials usage

1	Pressure treated wood for bottom plates is required by most building codes.
2	Top plates can be almost any length as long as their splice is no closer than 48 inches.
3	Sometimes lumber needs to be graded and stamped to meet code. Check with your building department to see if this is a requirement before you buy your materials.
4	Use double corner studs if you plan on installing drywall later. This will give you some blocking to nail into.
5	I suggest using 1/2-5/8 in x 4ft x 8ft sheeting because it's the easiest and most economical option. 4x8 sheets of composite siding that comes with a factory primer will allow you to build 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 1/2 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 1/2 - 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 available in high humidity areas like Florida and Hawaii.
6	Overhead door headers up to 16 ft wide on non load bearing (gable end) walls are usually sandwiched 2x10's. If they are on a load bearing wall (not the gable end) they might need to be engineered. Check with your building department. If you buy a manufactured header the engineering paperwork will be part of the price.
7	Overhead door frame should have 2 or 3 jack studs on either side.
8	You will need to line the back of the overhead door frame with 2x6's to give the door the proper spacing and something to nail the door tract onto.
9	A 7 ft tall overhead door needs 1 foot of clearance above to install the track. If you need a taller door opening you'll need to make a garage with taller side walls. If you want to install an electric opener you will need some extra framing for the motor.
10	Use sandwiched 2x4 headers up to 36 inch opening width. Use sandwiched 2x6 headers for opening greater than 36 inches.
11	36 inch pre-hung insulated steel doors are ideal. Make sure it's pre- drilled for a double lock set.
12	Get double lock set and have it keyed to match your house door if possible.
13	Trusses will have to be made by a lumber company and have engineering in most cases. Typically they will be located at 24 inch on center. You'll have 2 gable end trusses and the rest regular interior trusses. Make sure to specify the size of the gable end vent opening.
14	Hurricane ties (or h2.5's) tie the trusses to the top plates. They use special nails. Install one at the end of each truss, except the gable end trusses.
15	Gable end vents installed in the gable end trusses for ventilation.
16	1/2 inch OSB is a less expensive option compared to plywood. But you might want to use plywood around the perimeter where it will be painted on the underside because plywood holds paint better. OSB tends to chip and flake over time. The stated quantity is based on the square footage and doesn't account for waste. There will be 10-20% waste depending on how you make your cuts. So buy a few extra sheets.
17	I suggest making your own trim by ripping it out of the less expensive non plywood or OSB backed composite hardboard siding. Buy solid sheets without grooves if possible to minimize waste. Otherwise just cut around the grooves in normal siding. 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 cuts. 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 main siding. It just needs to match the texture so that it looks good when painted. If necessary you can buy one brand of grooved siding and another brand of no groove siding. Or you can buy ready made trim boards but they are very expensive. As a last alternative you can use real wood 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.
18	Metal drip edge comes in 10 ft lengths. Either painted or galvanized.
19	Building codes might specify what weight and how many layers of felt paper, depending on the slope of the roof and the weather in your area. A roll of 30# felt covers 100 sq.ft. The stated quantity is based on the square footage and doesn't account overlapping and waste.
20	I suggest using 30 year architectural shingles in the highest quality you can buy. A little extra money spent here on quality will pay off in an extended lifespan and less maintenance. The stated quantity is based on the square footage and doesn't account waste. You will need another few bundles of normal 3 tab shingles for the starter strips and to cut for ridge caps.
21	Window can be single or double pane.
22	Ask your building supply store for their estimate on the amount fasteners you'll need. Just buy more then you think you need because they're cheap and you can always use them on other projects.

Notes	Item	Quantity	Price	Sub total
1	2x4x12ft pressure treated	4		
1	2x4x14ft pressure treated	2		
2	2x4x8ft	90		
2	2x4x10ft	4		
2	2x4x12ft	16		
2	2x4x16ft	2		
8	2x6x8ft	3		
6	2x10x10ft	2		
5	Siding, 4ftx8ft	23		
16	1/2inx4ftx8ft OSB	14		
17	2 1/2inx8ft trim	18		
17	6inx8ft trim	14		
11	36in pass door	1		
12	Door lock set	1		
21	36in window	1		
9	8ftx7ft overhead door	1		
13	Trusses, 14ft	13		
14	Hurricane ties H2.5	22		
15	Gable end vents	2		
18	Drip edge	9		
19	Felt paper, rolls, 30#	5		
20	Shingles bundles	15		
22	Assorted fasteners			
		G	rand Total	

14x24 Materials List & Cost Estimate Worksheet

Notes	Item	Quantity	Price	Sub total
1	2x4x12ft pressure treated	7		
2	2x4x8ft	97		
2	2x4x12ft	24		
2	2x4x16ft	6		
8	2x6x8ft	4		
6	2x10x20ft	2		
5	Siding, 4ftx8ft	25		
16	1/2inx4ftx8ft OSB	23		
17	2 1/2inx8ft trim	18		
17	6inx8ft trim	17		
11	36in pass door	1		
12	Door lock set	1		
21	36in window	1		
9	16ftx7ft overhead door	1		
13	Trusses, 24ft	13		
14	Hurricane ties H2.5	22		
15	Gable end vents	2		
18	Drip edge	11		
19	Felt paper, rolls, 30#	8		
20	Shingles bundles	24		
22	Assorted fasteners			
		G	rand Total	

24x24 Materials List & Cost Estimate Worksheet

Notes	Item	Quantity	Price	Sub total
1	2x4x12ft pressure treated	7		
1	2x4x16ft pressure treated	3		
2	2x4x8ft	115		
2	2x4x12ft	8		
2	2x4x16ft	20		
2	2x4x20	2		
8	2x6x8ft	7		
6	2x10x10ft	2		
6	2x10x20ft	2		
5	Siding, 4ftx8ft	29		
16	1/2inx4ftx8ft OSB	30		
17	2 1/2inx8ft trim	22		
17	6inx8ft trim	22		
11	36in pass door	1		
12	Door lock set	1		
21	36in window	1		
9	8ftx7ft Overhead door	1		
9	16ftx7ft Overhead door	1		
13	Trusses, 24ft	17		
14	Hurricane ties H2.5	30		
15	Gable end vents	2		
18	Drip edge	13		
19	Felt paper, rolls, 30#	10		
20	Shingles bundles	30		
22	Assorted fasteners			
	•	G	rand Total	

24x32 Materials List & Cost Estimate Worksheet

Notes	Item	Quantity	Price	Sub total
1	2x4x12ft pressure treated	5		
1	2x4x20ft pressure treated	2		
2	2x4x8ft	121		
2	2x4x12ft	8		
2	2x4x16ft	8		
2	2x4x20	16		
8	2x6x8ft	8		
6	2x10x20ft	4		
5	Siding, 4ftx8ft	30		
16	1/2inx4ftx8ft OSB	36		
17	2 1/2inx8ft trim	22		
17	6inx8ft trim	25		
11	36in pass door	1		
12	Door lock set	1		
21	36in window	1		
9	16ftx7ft Overhead door	2		
13	Trusses, 24ft	21		
14	Hurricane ties H2.5	38		
15	Gable end vents	2		
18	Drip edge	15		
19	Felt paper, rolls, 30#	12		
20	Shingles bundles	36		
22	Assorted fasteners			
		G	rand Total	

24x40 Materials List & Cost Estimate Worksheet

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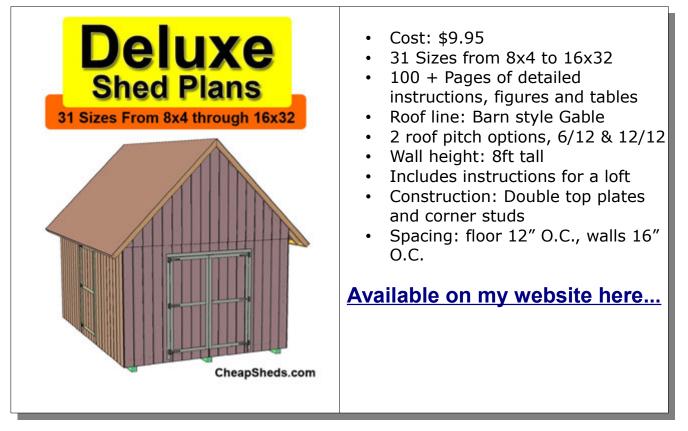
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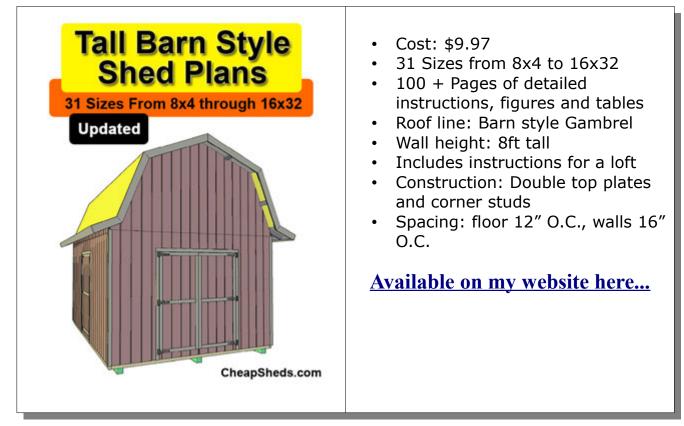
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Deluxe Style Shed Plans With Loft



Tall Barn Style Shed Plans With Overhang and Loft



Gable Roof Shed Plans, 21 sizes



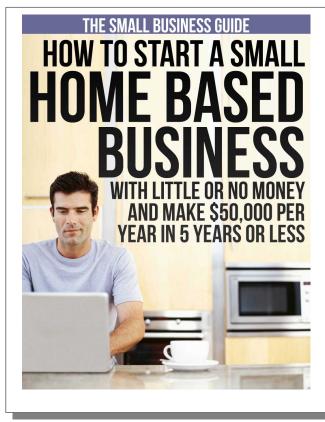
Bike Shed Or Small Garden Shed Plans

	 Cost: \$5.94 Compact with a foot print under 4 ft square and under 7ft tall Portable enough to transport in the back of a pickup truck and move across the yard with a hand truck Can be made modular so you can take it apart and move it in 6 big pieces if necessary Holds 2 bicycles upright Great for keeping garden tools out of sight
--	---

1 2 3 4 Car GarageBlueprints



How To Start A Business e-Book



- Cost: \$2.99
- Based on my experiences starting and running my shed business for 20 years
- 60 pages
- 5 chapters
- Available in PDF format or in kindle format from amazon.com

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