

Part 1

10x8 Shed Plans

Secrets of shed building.com
8x10 Gable Shed Plans

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1.0 How this document forms the framework for your shed building project

A body stripped down to its bare bones is a skeleton. All the flesh, muscles, vital organs etc would just be a soggy pile on the floor with out the framework of the skeleton to support it and hold it in place.

And so it is with this section of the shed plans.

This section of the shed plans has the fewest words but the most information

Most of the descriptive words and pretty pictures that you find in the other two documents have been stripped away to leave the hard technical details.

These dimensioned drawings, material lists and few words specifying exactly the material and hardware that is required is the sort of document that a carpenter or builder would use to construct a building.

If this is your first shed project (or even if it is not) you will find a lot of vital information in the other two documents, so you should read them.

However if push came to shove the building could be built using just these few pages.

So how do I make best use of these plans?

There are three stages that you should go through to make the most of these plans and to ensure that all the bits go in the right places. This is not like getting a bit of electronic equipment out of the box where you just plug it in and hope.

To get the most out of your shed plans I recommend that you go through these three stages:

- i) Checking
- ii) Sourcing and ordering materials
- iii) Construction

i) The checking stage starts with reading and understanding

After you have read documents 1 and 3 of this pack (and they do contain some very vital information) get a pencil out and sit down with these plans to check over the information.

How and why should I check these plans?

These plans are drawn around standard lumber sizes. The two main sizes used are nominal 4x2 and 6x2 timbers. It might surprise you that these bits of wood do not measure exactly the dimensions you might think they do. After allowing for planing and drying shrinkage a 4x2 timber turns out at 3½"x 1½" and the 6x2 turns out at 5½"x 1½". The drawings take this into account but you should check that your lumber size does fit to this pattern as in some parts of the country (and the world) sizes and standards differ.

Checking the plans may require making some alterations

I would be very surprised if any shed built from these plans ended up exactly as the plans show. Most folk will want to make some changes here and there. You may want to raise or lower the roof, widen the door or alter the size and position of the window.

By the time that you have finished you should have checked each dimension on the drawing with your pencil and ticked it off as correct or made a change. This is all part of your familiarisation process so that you will be ready for the next stage which is when you start to source the materials that you need.

ii) The material list is the key section when it comes to ordering material

Your finalised material list (you did make some changes, didn't you?) should fit on one or two sheets of paper. To get an idea of the timber costs you can take this in, email, fax or send it to three different timber suppliers to get written quotations for how much the raw materials are going to cost.

When you get the quotations back do a quick analysis of how much they are charging for raw lumber and sheet materials. How much is the transport? Do they offer free delivery if you order more than a set minimum?

Analysing the quotes in detail should enable you to work out which supplier is going to get your business. You may be surprised at how much the quotations vary (that is one of the reasons that I recommend going to three different suppliers). Just imagine if you had only gone to one and it was the most expensive!!

The hardware will come from a different supplier than the timber

The hardware may come from a local or big box supplier. You might also investigate one of the several specialist shed hardware suppliers that are now online. The specialists stock all sorts of stuff that is only found on sheds such as smaller window sizes, cupolas, pre-made shed doors and lots more.

Having decided on the supplier you should fix a date for delivery so that you can start construction.

iii) Building the shed can start once materials start to arrive

Even before the materials start to arrive you should make sure that you have all the tools that you need, undertake some site preparation and reading of the shed building tips and techniques in part three of this three part series.

The shed plans should be a constant reference as you start construction

A good tip here is to keep them together in a plastic folder to stop them from getting separated and from getting wet, soggy and 'dog eared' before their time. Making notes of site dimensions on the plans and checking off the components from the materials list as they are cut will help to give you a sense of progress as you go along. Seeing how many of the parts have a pencil line through them will give you an idea if you have ordered correctly or if you are running short of any items.

Use the plans very much as a working document. I kept them short so that there were fewer pages to lose.

The biggest mistake made in building a shed is not using plans

The plans are like a road map that is thought through so that you know you are on the right route to your final destination.

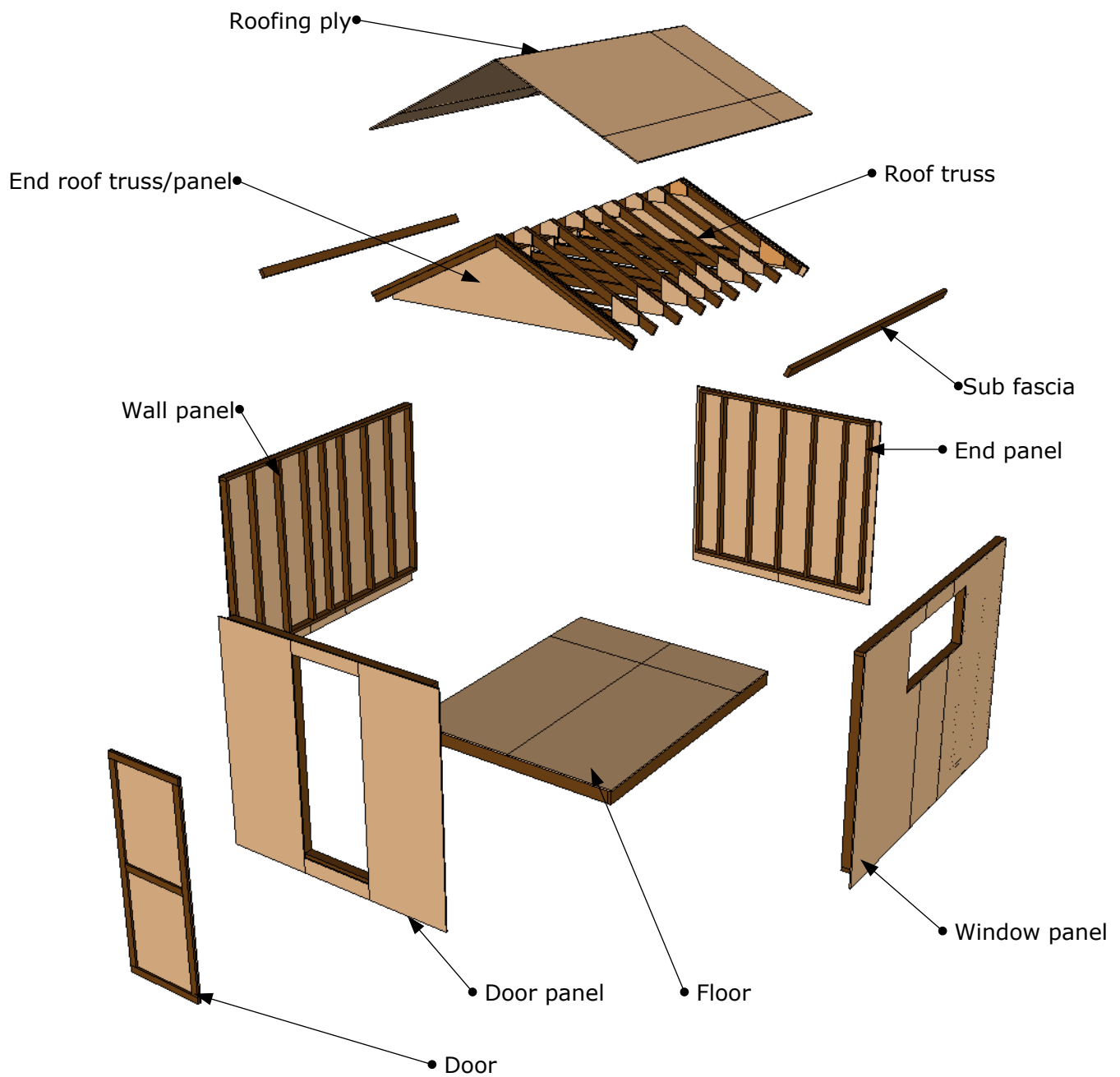
The second biggest mistake is not marking the shed plans as you go and adjusting as the build progresses.

Using these shed plans will help your shed project enormously

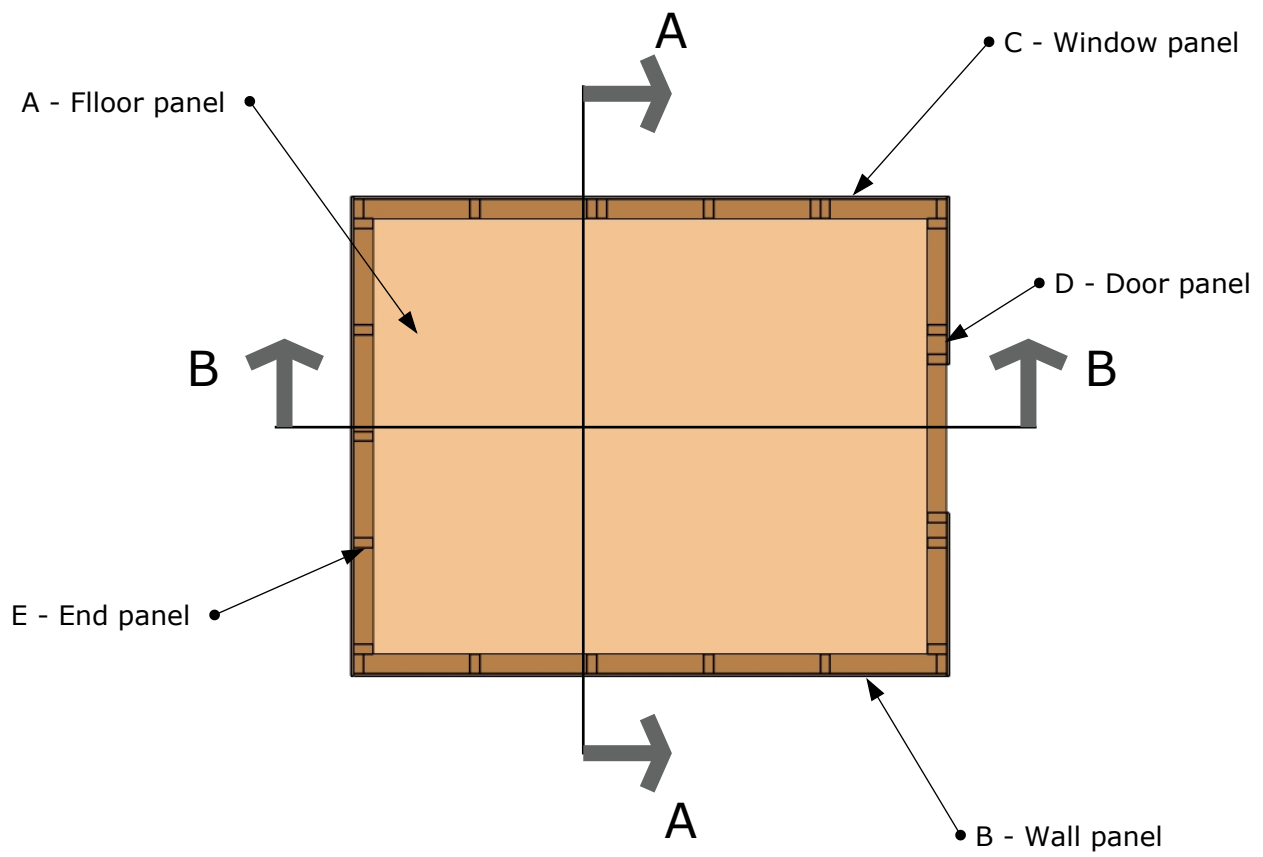
As you learn more about how the project goes together, the bare bones of the instructions will start to gather flesh and so looking at these few drawings will give you all the information that you need.

So what are you waiting for?

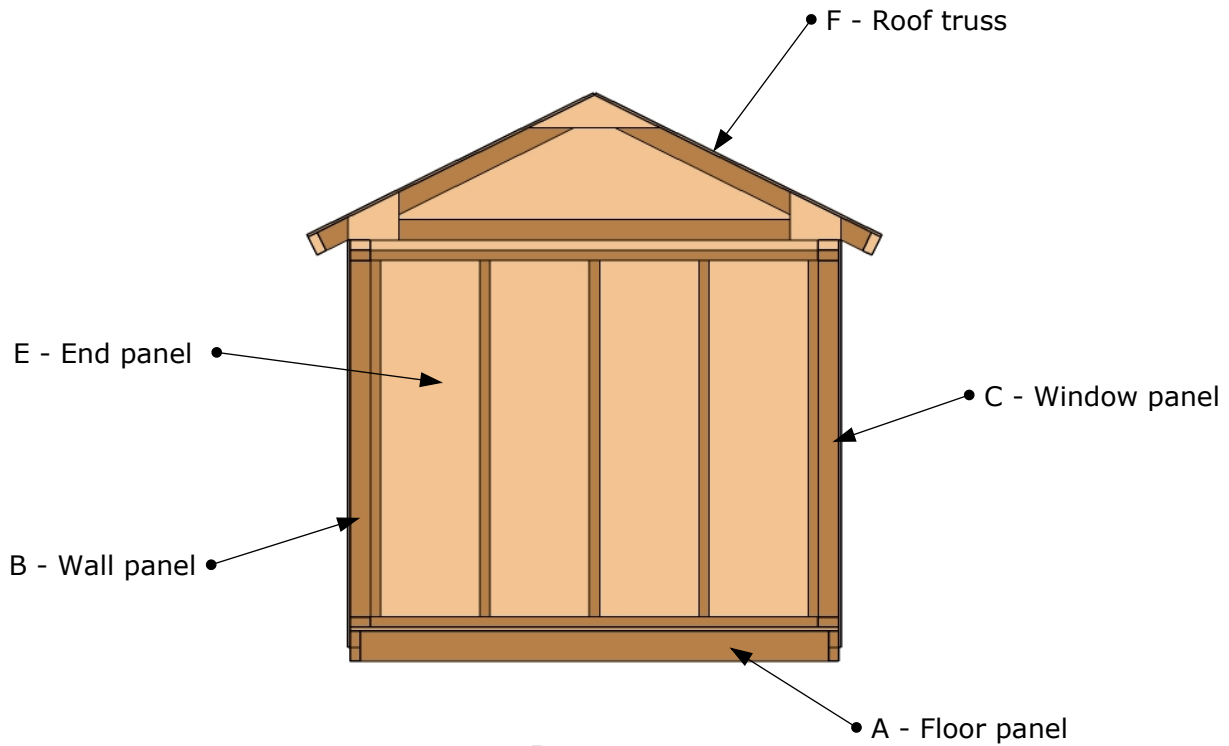
Get your pencil out, start looking through the drawings, making notes and your shed will become a reality sooner than you can imagine!



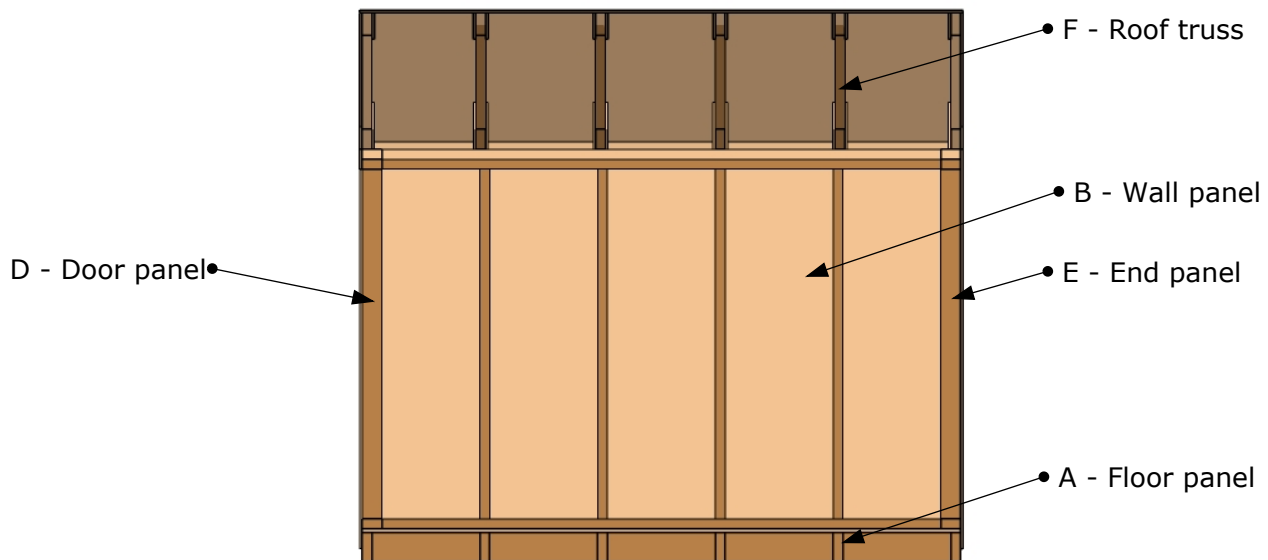
Exploded view of shed



Plan on Shed

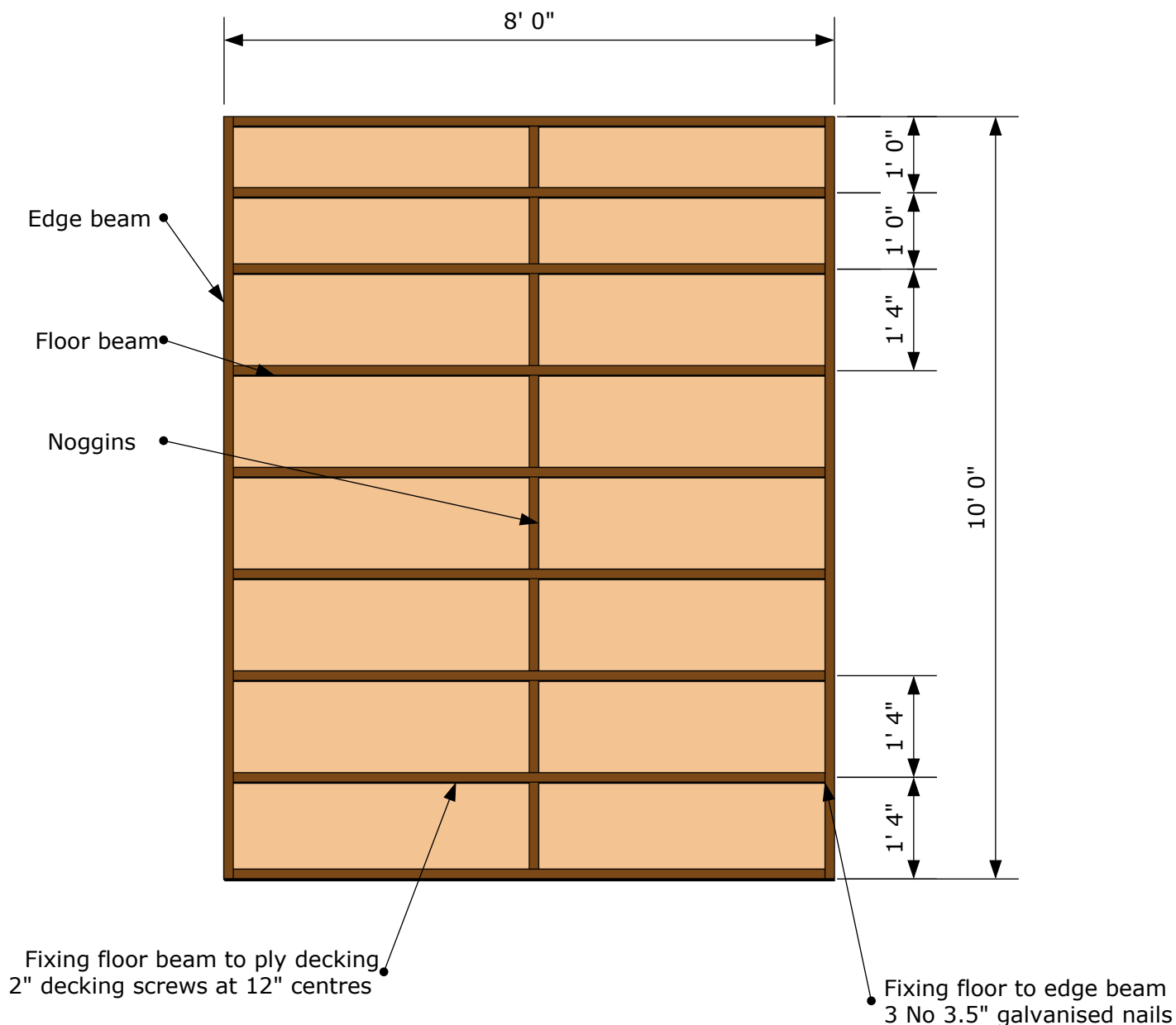


Section A-A



Section B-B

Sections Through Shed

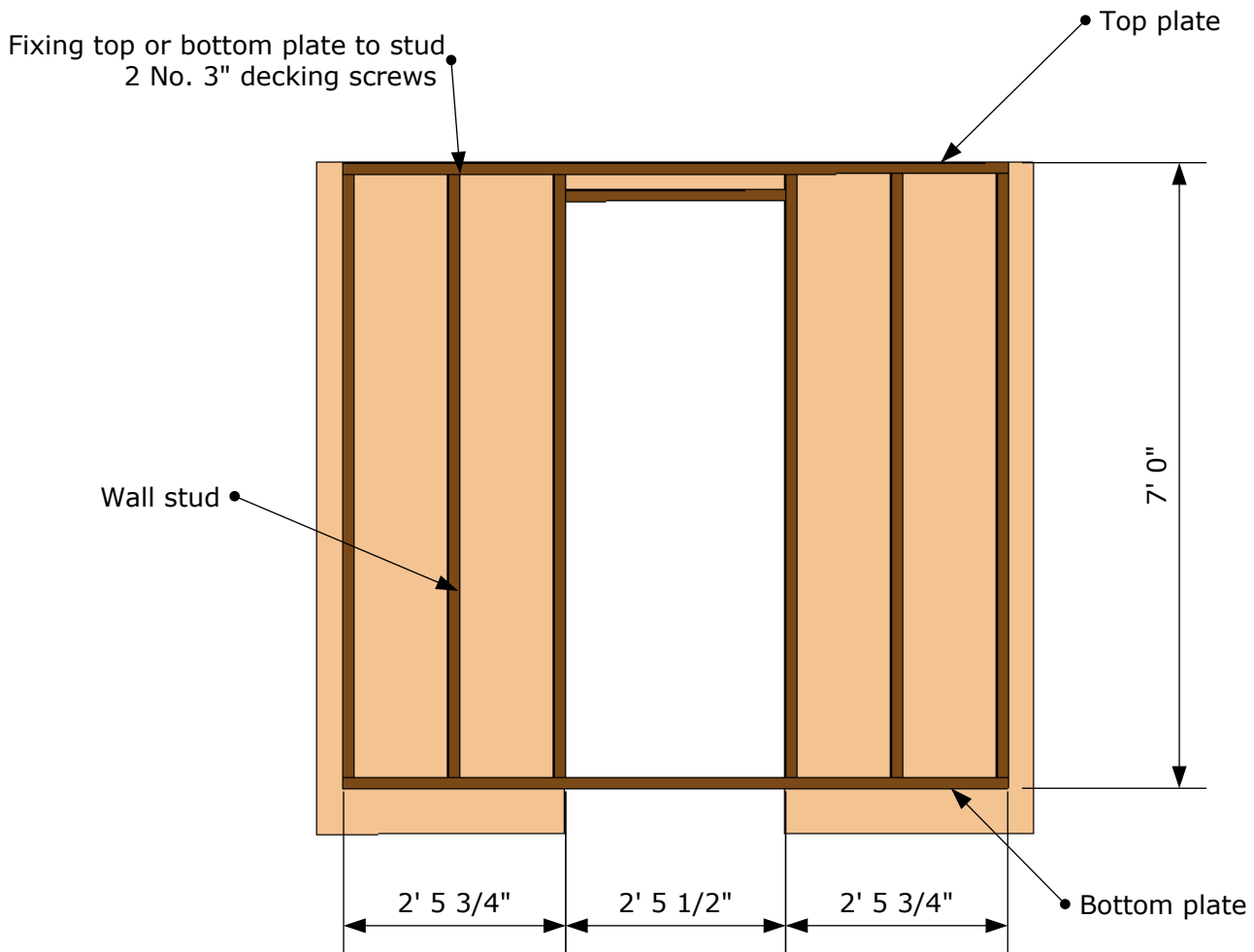


Floor Panel

Description	Code	Use	Cut Length	Quantity	Angle	Notes
Floor beam	FB	6x2	7' 9"	10	90	
Edge beam	EB	6x2	3000mm	2	90	
Mud sill	MS	6x2	10'	2	90	
Noggins	N	6x2			90	Lengths cut to suit

Notes

All timber to be pressure treated as below floor plate level.
 Noggins cut to length, to support edge of plywood down centre of floor.
 Additional floor joist required to support edge of plywood.



Door Panel

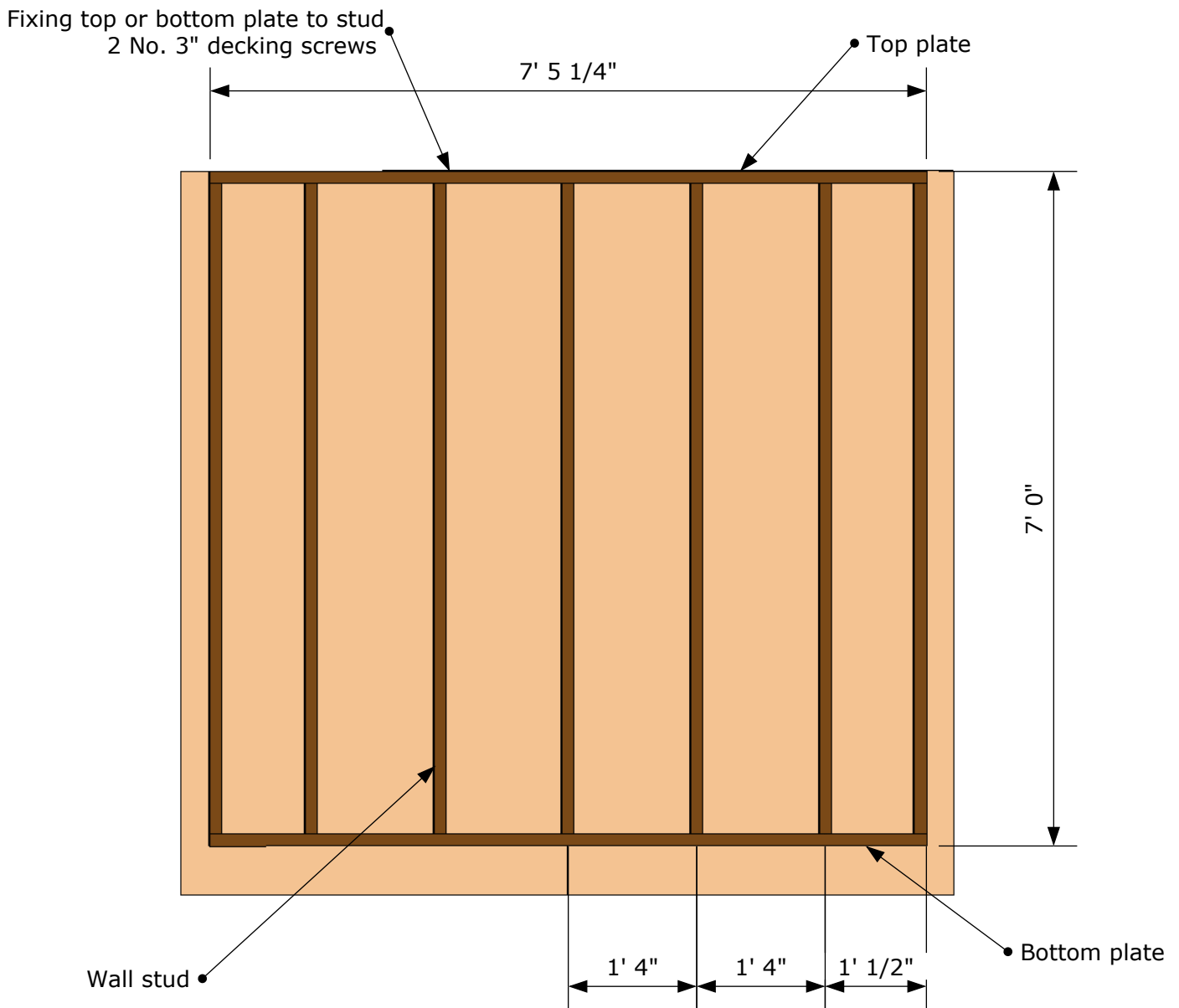
Description	Code	Use	Cut Length	Quantity	Angle	Notes
Top plate	TP1	4x2	7' 5 1/4"	1	90	
Bottom plate	BP1	4x2	7' 5 1/4"	1	90	
Wall stud	WS1	4x2	6' 9"	6	90	
Door lintel	DL1	4x2	2' 5 1/2"	1	90	

Notes

- Plywood to project 7" below bottom plate to cover ply floor and floor beams
- Fixing - siding to studs around perimeter of sheet = 8d nails at 6" centres no closer than 1/2" to panel edge
- Fixing - siding to studs along stud = 8d nails at 12" centres



9

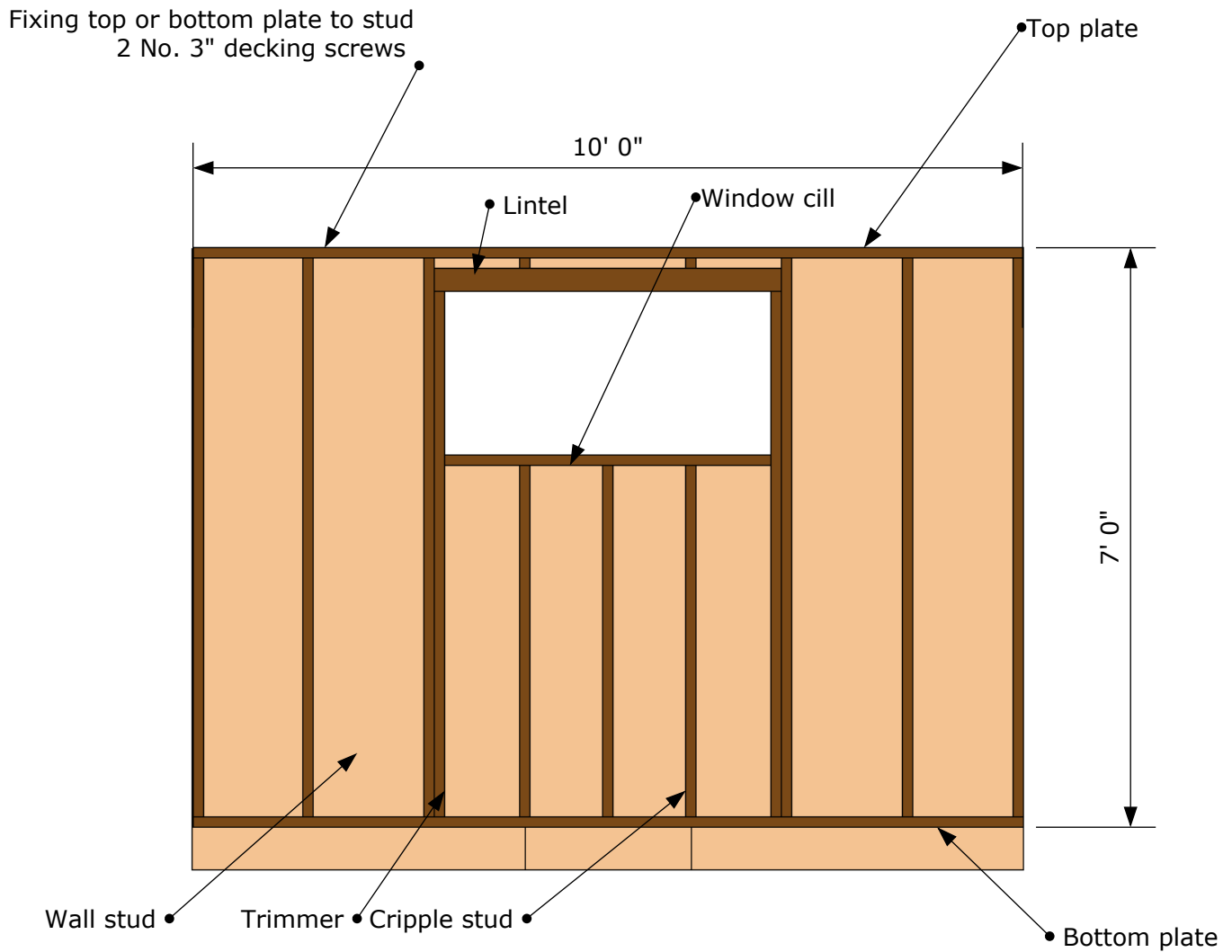


End Panel

Description	Code	Use	Cut Length	Quantity	Angle	Notes
Top plate	TP1	4x2	7' 5 1/4"	1	90	
Bottom plate	BP1	4x2	7' 5 1/4"	1	90	
Wall stud	WS1	4x2	6' 9"	7	90	

Notes

- Plywood to project 7" below bottom plate to cover ply floor and floor beams
- Fixing - siding to studs around perimeter of sheet = 8d nails at 6" centres no closer than 1/2" to panel edge
- Fixing - siding to studs along stud = 8d nails at 12" centres

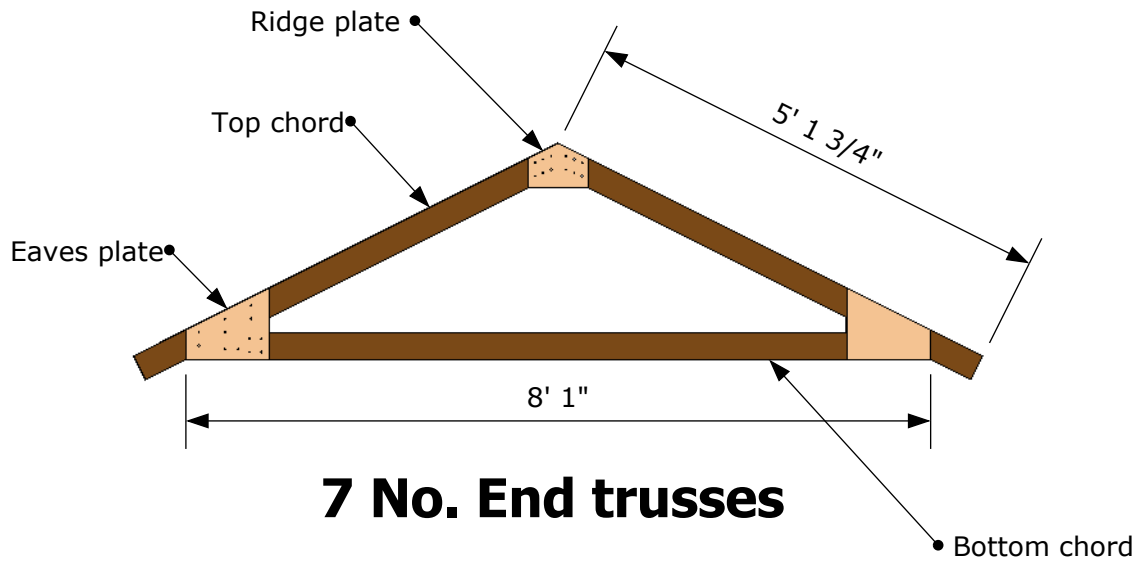


Window Panel

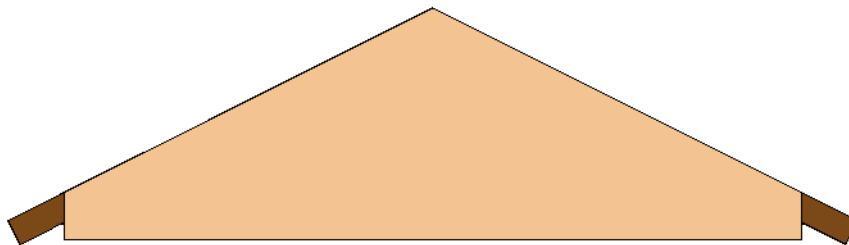
Description	Code	Use	Cut Length	Quantity	Angle	Notes
Top plate	TP1	4x2	10'	1	90	
Bottom plate	BP1	4x2	10'	1	90	
Wall stud	WS1	4x2	6' 9"	6	90	
Lintel	L1	4x2	4' 2 1/4"	2	90	
Cripple stud	CS1	4x2	4' 3"	3	90	
Window cill	C1	4x2	3' 11 1/4"	1	90	
Trimmer	T1	4x2	6' 4"	2	90	

Notes

- Plywood to project 7" below bottom plate to cover ply floor and floor beams
- Fixing - siding to studs around perimeter of sheet = 8d nails at 6" centres no closer than 1/2" to panel edge
- Fixing - siding to studs along stud = 8d nails at 12" centres



Nailing details of connector plates



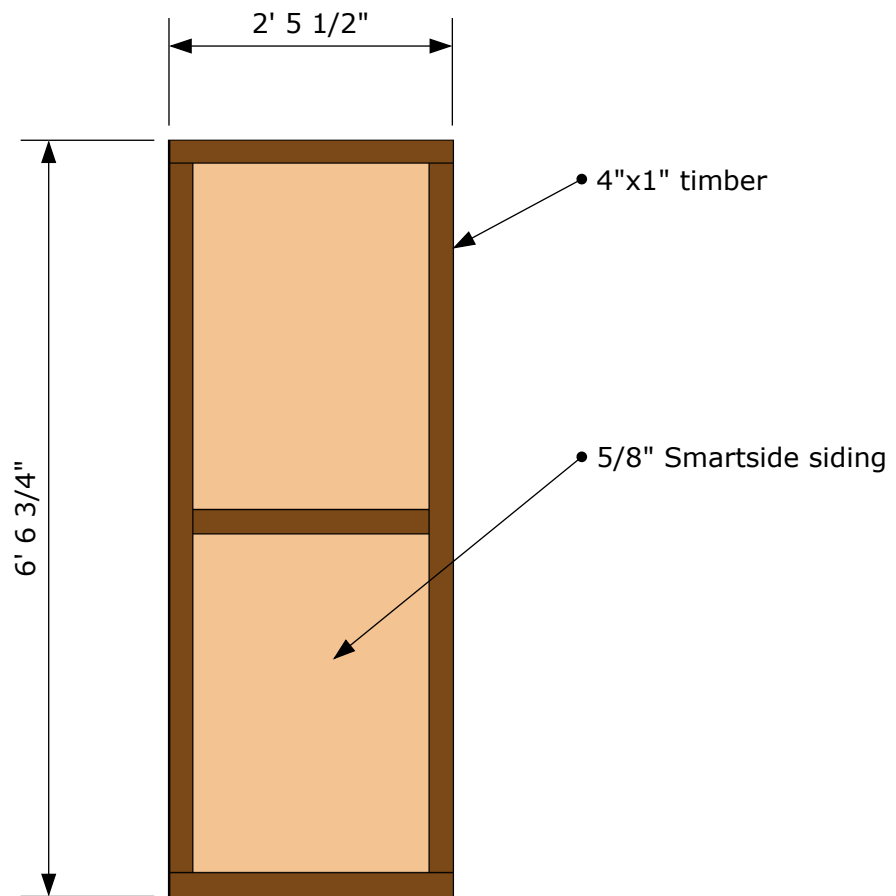
2 No. End trusses

Roof truss

Description	Code	Use	Cut Length	Quantity	Angle	Notes
Top chord	TC	4x2	5' 1 3/4"	18	90/63.7	
Bottom chord	BC	4x2	8' 1"	9	90/63.7	
Eaves plate	EP	1/2" ply	xxx	36	90	
Ridge plate	RP	1/2" ply	xxx	18	90	

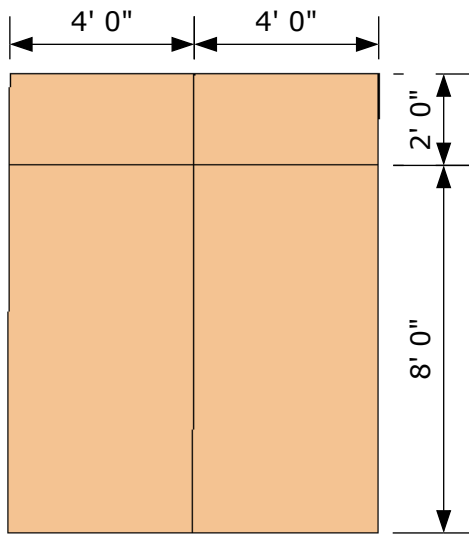
Notes

Plates to be glued and nailed as shown

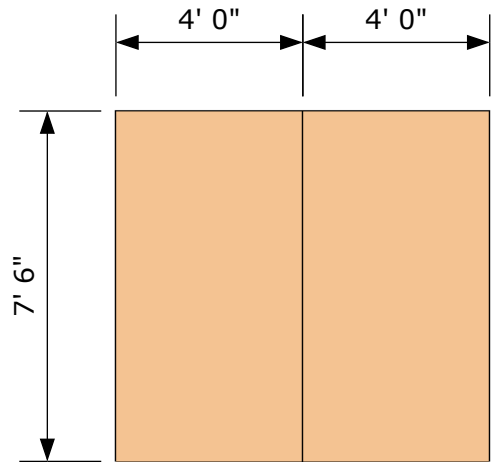
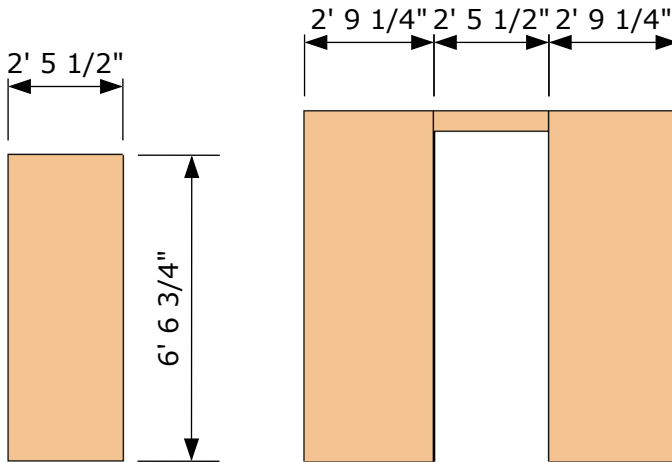


Plan of shed door

Description	Code	Use	Cut Length	Quantity	Angle	Notes
Top/bottom	T/B	4x1	2' 5 1/4"	2	90/63.7	
Middle	M	4x1	2' 1 1/2"	1	90/63.7	
Verticals	V	4x1	6' 1 3/4"	2	90	



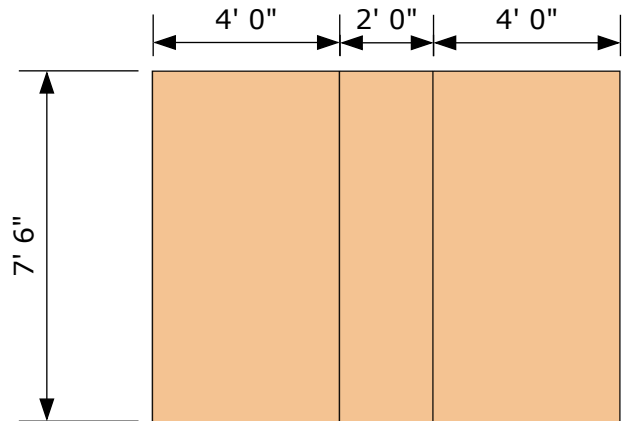
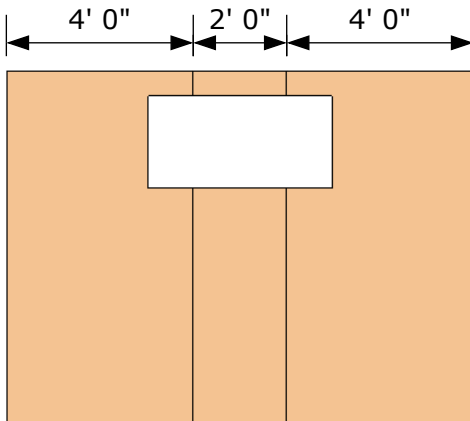
Floor
(3/4" Plywood)



Door
1/2" Plywood

Door panel
1/2" Plywood

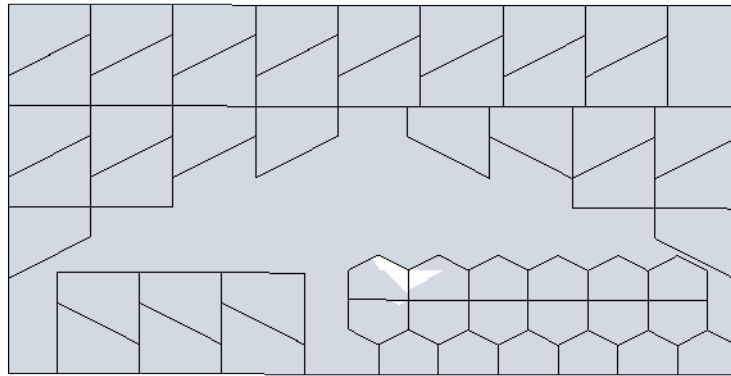
End Panel
1/2" Plywood



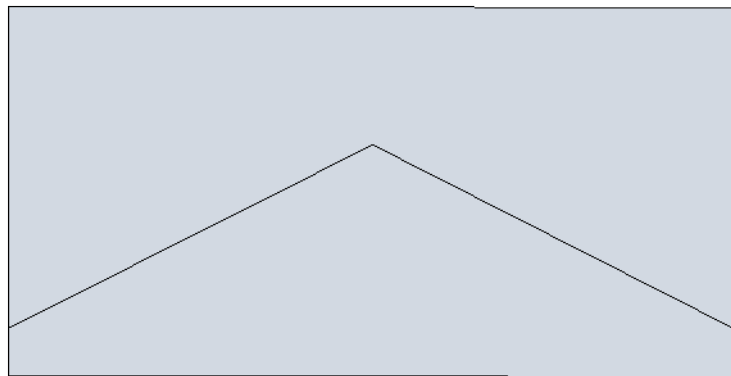
Window Panel
1/2" Plywood

Side Wall Panel
1/2" Plywood

Siding Requirements

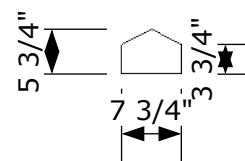
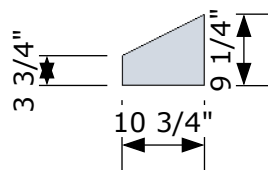


Layout of Roof connectors on 8'x4' Sheet



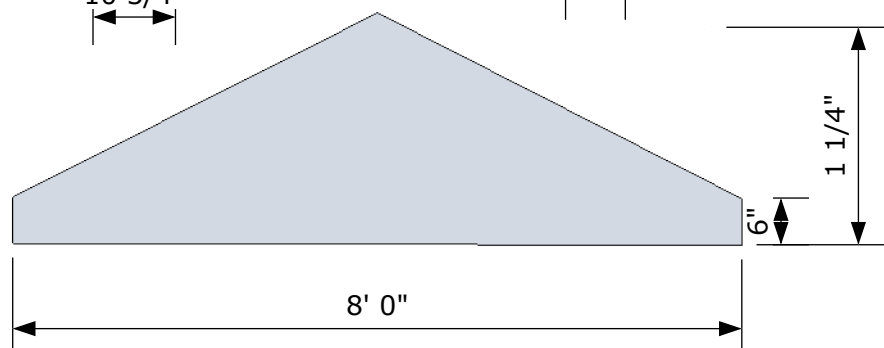
Layout of Roof end panel on 8'x4' Sheet

Eaves
piece
36 No.



Ridge
piece
18 No.

End
panel
2 No.



Dimensions of Roof truss and end panel components

Materials summary

Floor panel

Description	Code	Use	Cut Length	Quantity	Angle	Notes
Floor beam	FB	6x2	7' 9"	10	90	
Edge beam	EB	6x2	3000mm	2	90	
Mud sill	MS	6x2	10'	2	90	
Noggins	N	6x2			90	Lengths cut to suit

Door panel

Description	Code	Use	Cut Length	Quantity	Angle	Notes
Top plate	TP1	4x2	7' 5 1/4"	1	90	
Bottom plate	BP1	4x2	7' 5 1/4"	1	90	
Wall stud	WS1	4x2	6' 9"	6	90	
Door lintel	DL1	4x2	2' 5 1/2"	1	90	

Wall panel

Description	Code	Use	Cut Length	Quantity	Angle	Notes
Top plate	TP1	4x2	10'	1	90	
Bottom plate	BP1	4x2	10'	1	90	
Wall stud	WS1	4x2	6' 9"	9	90	

End panel

Description	Code	Use	Cut Length	Quantity	Angle	Notes
Top plate	TP1	4x2	7' 5 1/4"	1	90	
Bottom plate	BP1	4x2	7' 5 1/4"	1	90	
Wall stud	WS1	4x2	6' 9"	7	90	

Window panel

Description	Code	Use	Cut Length	Quantity	Angle	Notes
Top plate	TP1	4x2	10'	1	90	
Bottom plate	BP1	4x2	10'	1	90	
Wall stud	WS1	4x2	6' 9"	6	90	
Lintel	L1	4x2	4' 2 1/4"	2	90	
Cripple stud	CS1	4x2	4' 3"	3	90	
Window cill	C1	4x2	3' 11 1/4"	1	90	
Trimmer	T1	4x2	6' 4"	2	90	

Roof truss

Description	Code	Use	Cut Length	Quantity	Angle	Notes
Top chord	TC	4x2	5' 1 3/4"	18	90/63.7	
Bottom chord	BC	4x2	8' 1"	9	90/63.7	
Eaves plate	EP	4x2	xxx	36	90	
Ridge plate	RP	4x2	xxx	18	90	

Door

Description	Code	Use	Cut Length	Quantity	Angle	Notes
Top/bottom	T/B	4x1	2' 5 1/4"	2	90/63.7	
Middle	M	4x1	2' 1/2"	1	90/63.7	
Verticals	V	4x1	6' 1 3/4"	2	90	

Materials summary (2)

Trim

Description	Code	Use	Quantity	Notes
Corner trim	FB	4x1	Quantity and lengths of trim dependant on final design	
Roof trim	EB	6x1		
Window trim	FB	4x1		
Door trim	EB	4x1		

Siding

Description	Code	Use	Quantity	Notes
Flooring	FB	3/4" ASX Plywood	3	All quantities in this section relate to 8'x4' sheets
Roof connector plates	EB	1/2" ASX Plywood	1	
Siding	FB	Smartside siding	11	
Roof sheathing	FB	1/2" ASX Plywood	4	

Hardware

Description	Code	Use	Quantity	Notes
Strap hinges	FB		3	
6 x12 Aluminium vents	EB		2	
Door hasp + locking strap	FB		1	
Window	EB		2	
Shingles and fixings	EB		110 sq ft	

Fixings

Description	Code	Use	Quantity	Notes
1" Roofing nails			1 lb	
2" Galvanised nails			1 lb	
2.5" Galvanised nails			6 lb	
3.5" Galvanised nails			2 lb	
3" Screws			300	
2" Decking screws			150	