



### Plans Include:

1. Material list
2. Exterior elevations
3. Site preparation & base plan
4. Floor plan
5. Roof frame plan & details
6. Section & window detail
7. Rafter template

### Getting started:

Before building your playhouse, check with your local code officials to see if a building permit is required. Some neighborhoods also have requirements or guidelines that you must follow. Next, select the perfect site for your playhouse. Do you want the playhouse to be a main feature in your yard or a secret hideaway? If you have young children, consider keeping it close by where you can keep an eye on them.

A material list is included to help you get started, but this design allows for substituting your own material choices. Selecting materials is a fun way to personalize your playhouse and give it a style of your own. Salvaged or reclaimed materials can help reduce cost and also add character.

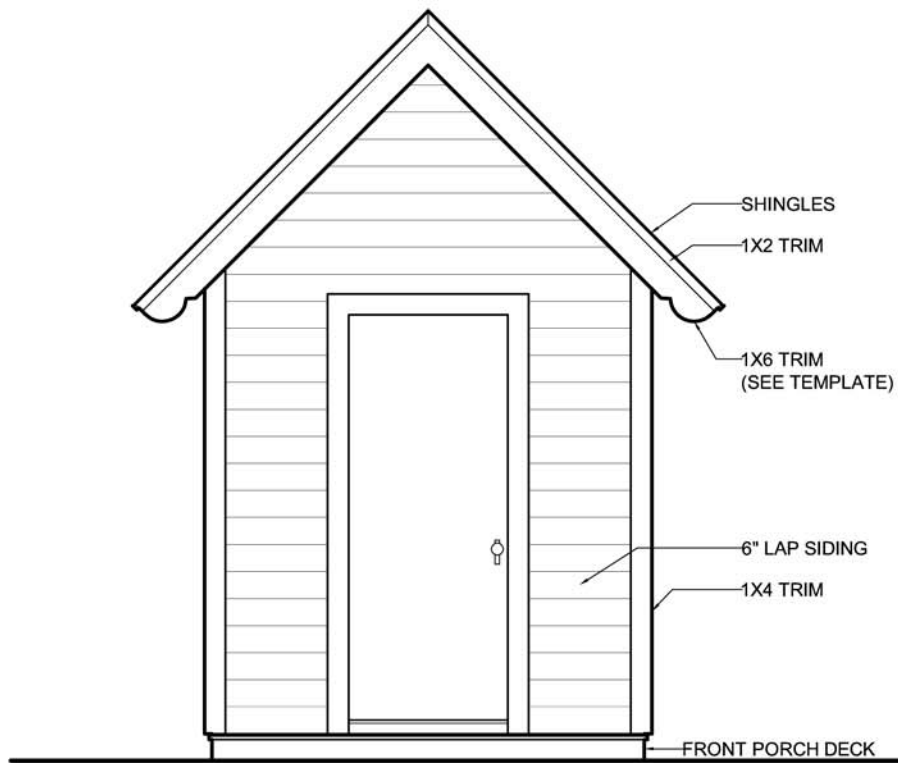
Put safety first. Inspect your playhouse after completion and periodically for safety hazards. Always remember, "If they can, they will." A playhouse is a place to play and explore, and your children will do just that. If they can climb it they will. If they can jump off of it, they will. If they can swing on it, they will.

## DIY Playhouse Material list

Prior to purchasing materials, thoroughly review the plans. This is an estimate and is only intended to be starting point. There are many ways to make your playhouse unique, and selecting different finish materials (floor, walls, and exterior siding) is just the beginning.

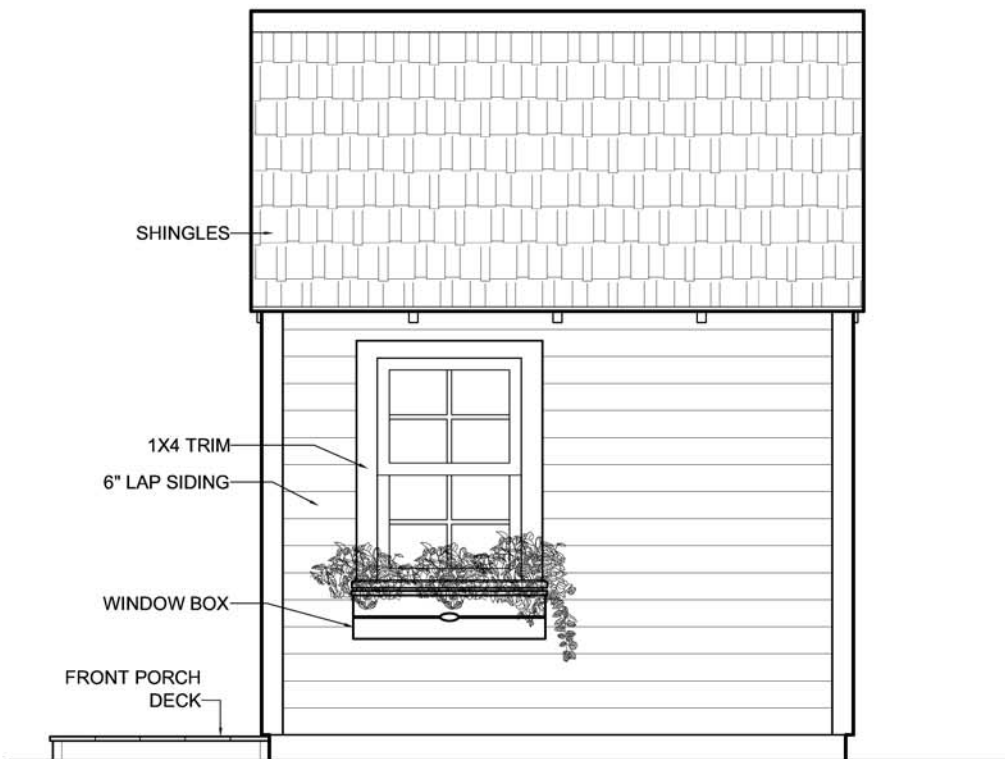


	QUANTITY	UNIT COST	TOTAL	NOTES
<b>Building Supplies</b>				
8x8x16 Concrete blocks	8			Foundation
Gravel				As needed to level concrete blocks
2x6x8 - TREATED	13			Base frame & porch
1x6x12 Deck board-TREATED	6			Front porch floor (6 @ 6'-2")
3/4" Plywood -TREATED (4x8)	2			Subfloor
2x4x8	48			Wall frame & blocking
2x6x8	10			Roof frame
2x8x8	1			Ridge beam (1@8'-0")
1/2" Exterior sheathing (4x8)	8			Wall sheathing
3/4" Exterior sheathing (4x8)	4			Roof sheathing
Bead board (4x8)	10			Interior wall & ceiling finish
1x6x16 Lap siding	35			Exterior siding ~560 linear feet
1x4x8	31			Exterior trim (15) & Interior trim (16)
1x6x8	5			(4) Exterior trim, (1) Interior trim at ridge
1x2x8	4			Ext. gable trim (on top of 1x6)
Finish floor material	54sf			Interior floor material
Felt paper	1 roll			Roof
Shingles	130 sf			Roof
Single-hung window	2			W 2'-0" x H 3'-0"
Door & hardware	1			2'-2" wide x 5'-8" high
<b>Fasteners</b>				
Deck screws - 3"	2 lb			Base
Framing nails - 3"	3 lb			Wall & roof frame
Siding nails - 1 1/2" 4d	1.5 lb			Siding
Finish nails - 1 1/2"	1 lb			Interior & Exterior finishes
Plastic cap felting nails	small box			Roof felt
<b>Misc.</b>				
Caulk - paintable	1 tube			Interior & Exterior where needed
Window installation materials				See manufacturers instillation guide.
<b>Paint</b>				
Exterior paint & primer in one	1 gal.			Exterior siding
Exterior paint & primer in one	1 qt.			Exterior trim
Interior paint & primer in one	1 gal.			Interior walls
Interior paint & primer in one	1 qt.			Interior trim
Ceiling paint	1 qt.			Ceiling
Polyurethane	1 qt.			Finish for wood floors
<b>Notes:</b> 1. Hardie Panel Cedarmill Vertical Siding may be substituted for lap siding (Nine 4x8 panels). 2. The door is not a standard size and will need to be special ordered. If building the door yourself, it may be easier to modify a solid core door. 3. V-groove plywood or tongue & groove would look nice on the exposed eaves, and can be substituted for the 3/4" plywood roof sheathing.				



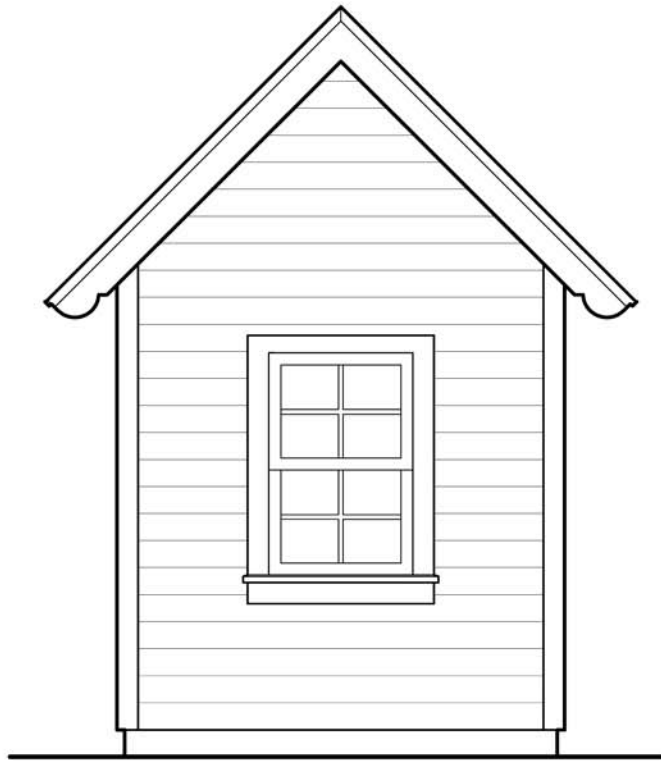
**FRONT ELEVATION**

SCALE: 3/8" = 1'-0"

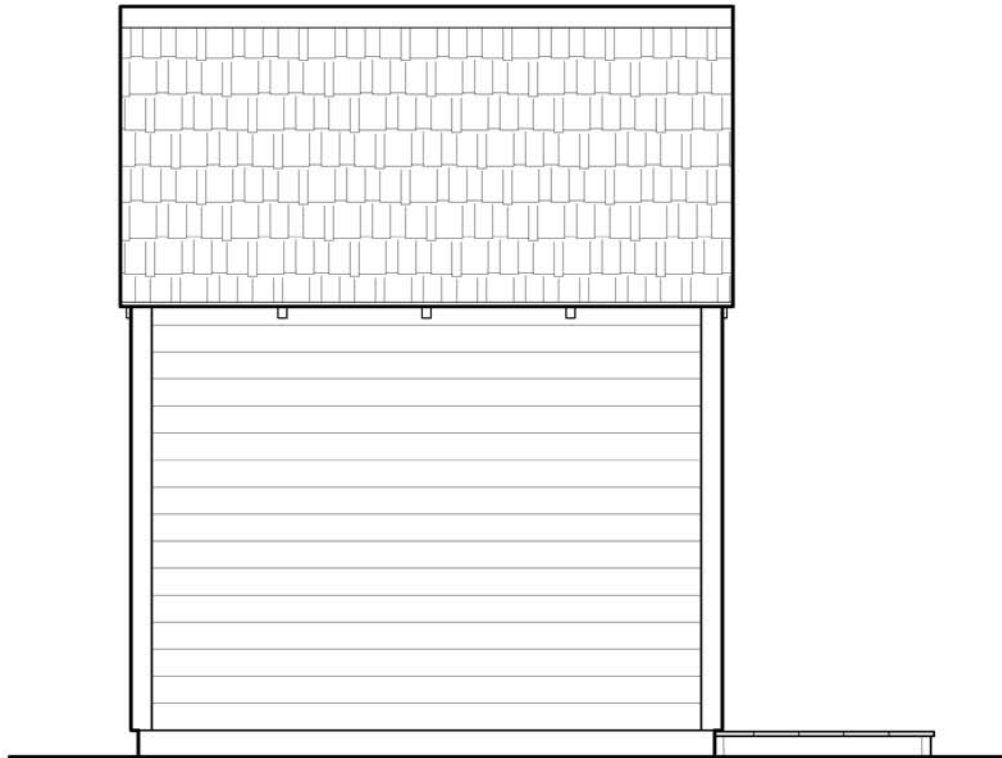


**SIDE ELEVATION**

SCALE: 3/8" = 1'-0"

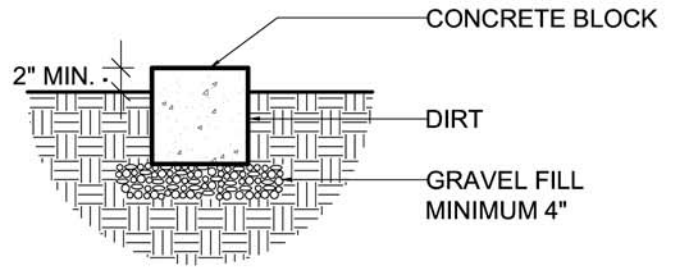


**BACK ELEVATION**  
SCALE: 3/8" = 1'-0"



**SIDE ELEVATION**  
SCALE: 3/8" = 1'-0"





**FOUNDATION DETAIL**

SCALE: 3/4" = 1'-0"

\* The picture above shows the base built on 4x6 skids, but they are not necessary if you do not plan on moving the playhouse.

**SITE PREPARATION:**

1. Determine the location of the structure.
2. Remove grass and debris from the area.
3. Place concrete masonry blocks in gravel filled holes at each corner. Use gravel to level. A minimum of 3" should be above grade.

**BUILD THE BASE:**

1. Start by building a 6'-0" x 8'-0" box. Use treated 2x6s and secure them with 3" deck screws.
2. Make sure the base is level and square, before attaching the treated 2x6 floor joist.
3. Secure one 4x8 sheet of 1/2" treated plywood to the base. Measure, cut, and attach the remaining piece.



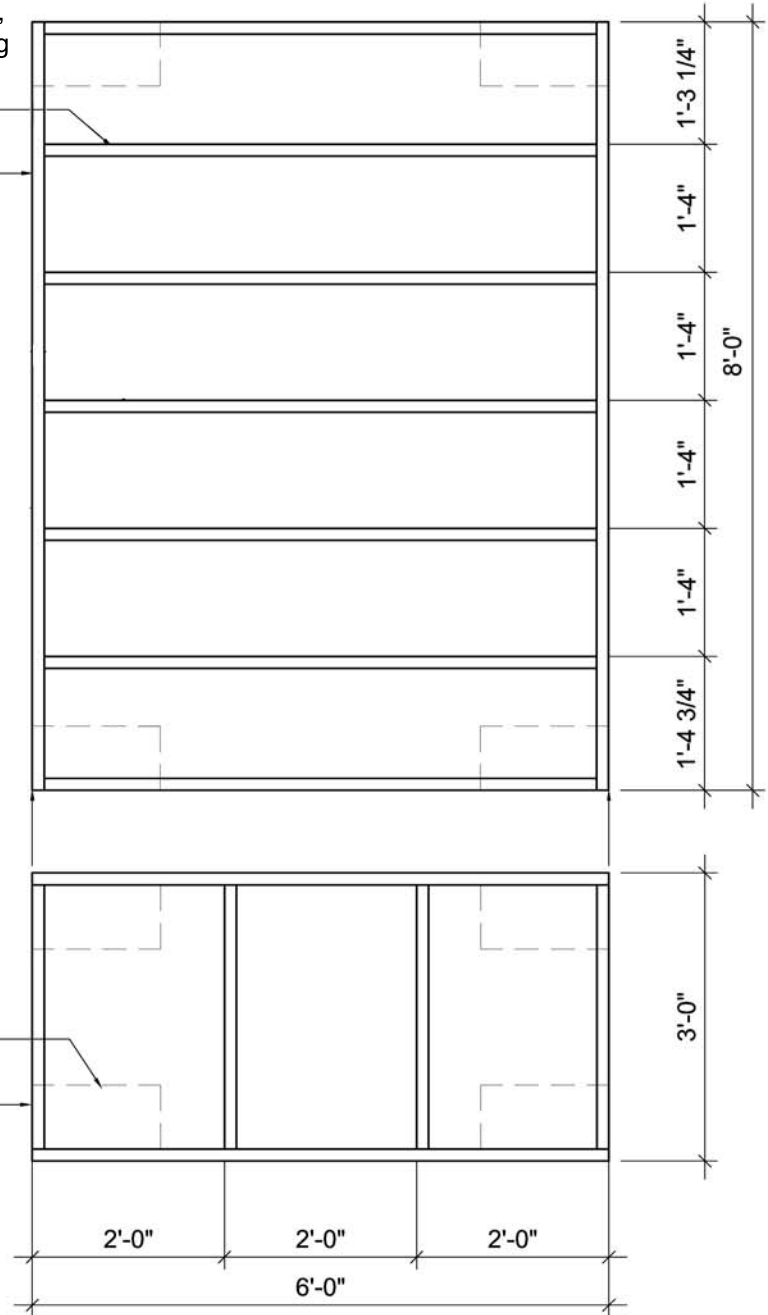
\* After the base is complete, you will have a level work space to frame the walls.

2X6 FLOOR JOIST

2X6 RIM JOIST

CONCRETE BLOCK

2X6 RIM JOIST



**BASE FRAME PLAN**

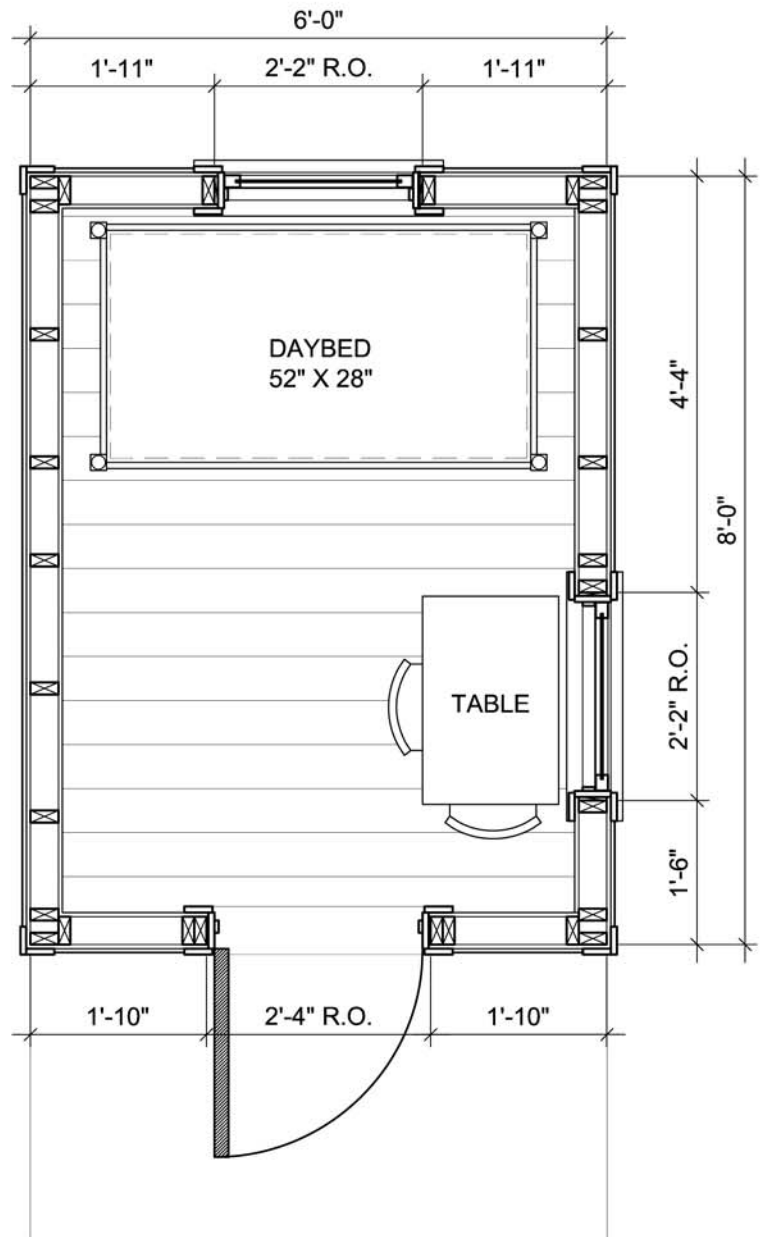
SCALE: 1/2" = 1'-0"

### FRAME THE WALLS:

1. Assemble the walls on a flat surface such as the base.
2. Start with the side wall that does not have a door or window. Space the studs at 16" on center. It takes a little planning ahead, but you will want a stud to fall in the center of the seam of the exterior sheathing. This will give you something solid to nail to.
3. Frame the rough opening for the windows and door according to the manufacturers dimensions.
4. After all of the walls are assembled, it is time to erect the walls. Brace the walls as you go. After they are all in place and square, nail them together at the corners. They should also be nailed to the base.
5. These plans call for a double top plate. Secure the 2x4 top plate overlapping it at the corners.



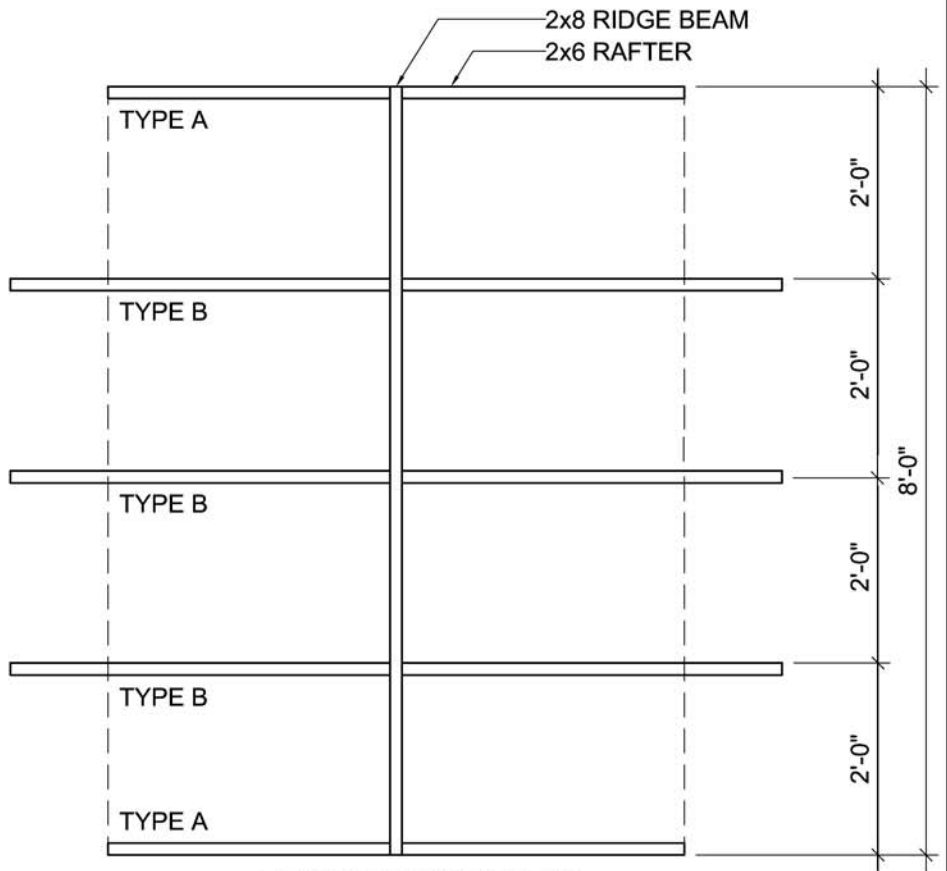
\* The image above does not show the door or window headers yet. We did not have the door or windows at this time, and decided to wait until we did to secure the headers. Even though you do not install windows at this time, it is a good idea to go ahead and purchase them, so you will know what size to make the rough openings.



### PLAN

SCALE: 1/2" = 1'-0"





**ROOF FRAME:**

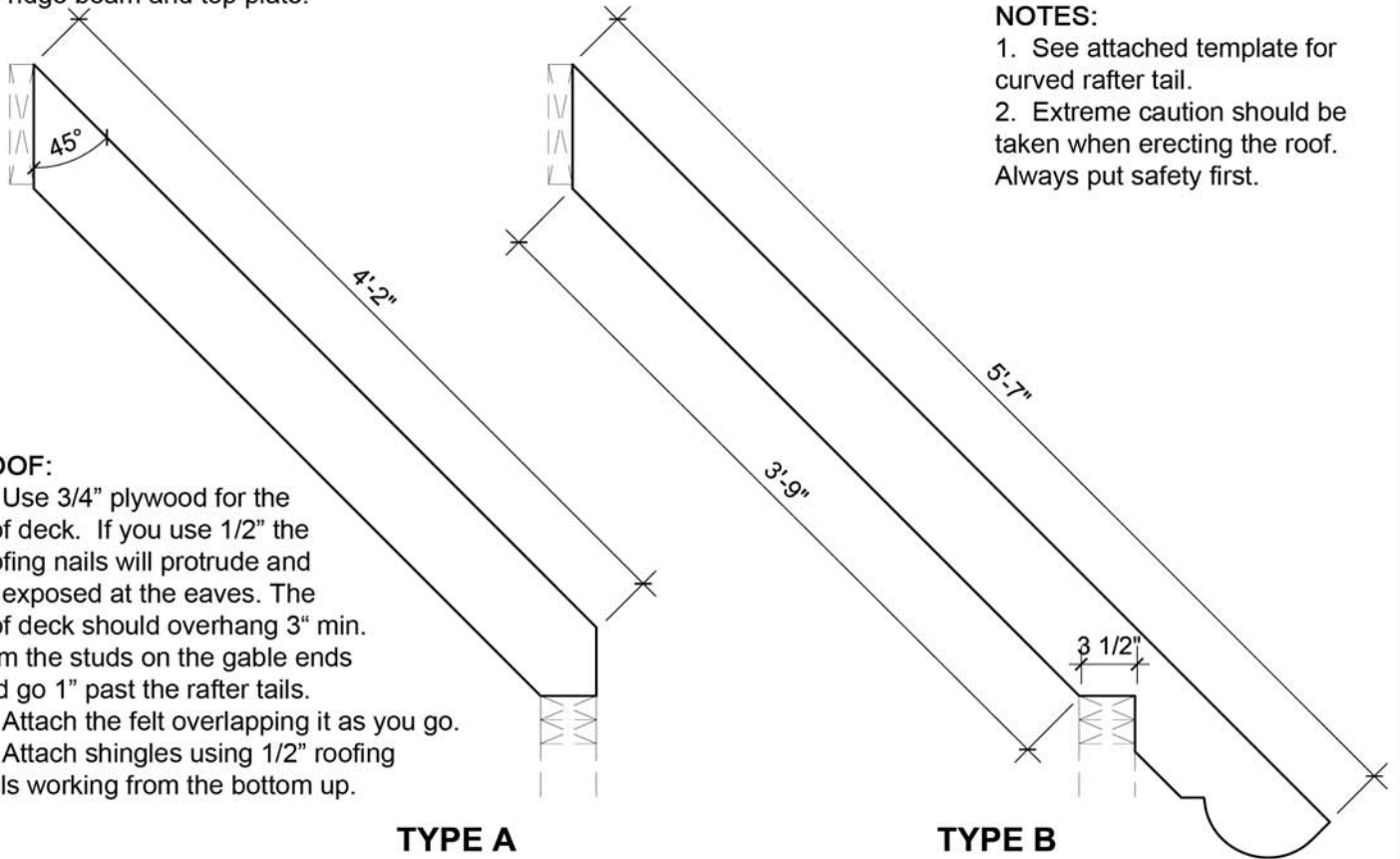
1. Cut (1) 8'-0" ridge beam from a 2x8.
2. Cut (4) Type A rafters from 2x6s and attach to ridge beam.
3. Secure the Type A rafters to the top plate of the walls. A 2x4 ridge support at both gable ends will help hold the ridge beam in place.
4. Cut and secure (6) Type B rafters to the ridge beam and top plate.

**ROOF FRAME PLAN**

SCALE: 1/2" = 1'-0"

**NOTES:**

1. See attached template for curved rafter tail.
2. Extreme caution should be taken when erecting the roof. Always put safety first.



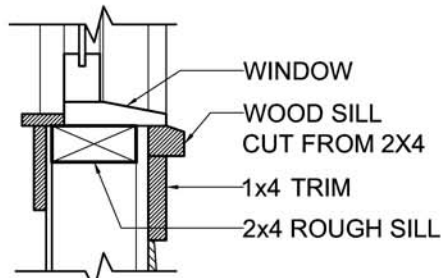
**ROOF:**

1. Use 3/4" plywood for the roof deck. If you use 1/2" the roofing nails will protrude and be exposed at the eaves. The roof deck should overhang 3" min. from the studs on the gable ends and go 1" past the rafter tails.
2. Attach the felt overlapping it as you go.
3. Attach shingles using 1/2" roofing nails working from the bottom up.

**EXTERIOR SIDING AND TRIM:**

1. First, nail 2x4 blocking to the top plate between the rafters. Blocking provides a solid surface to nail sheathing and siding to.
2. Also add 2x4 blocking to the under side of the rafters at the gable ends.
3. Next attach 1/2" sheathing to the exterior walls. The sheathing is not required on a project this small, but it does add a layer of protection from water.
4. Install windows and door according to the manufacturers instructions.
5. Cut and attach 1x6 trim pieces at the gable ends. The tails of the gable trim should match the curved rafter tails, (Angles are at 45 degrees).
6. Cut and attach 1x2 trim at the gable ends.

7. Cut and attach 1x4 trim at the corners, windows, and door.
8. Attach 6" lap siding with siding nails starting at the bottom and working up.



**WINDOW DETAIL**



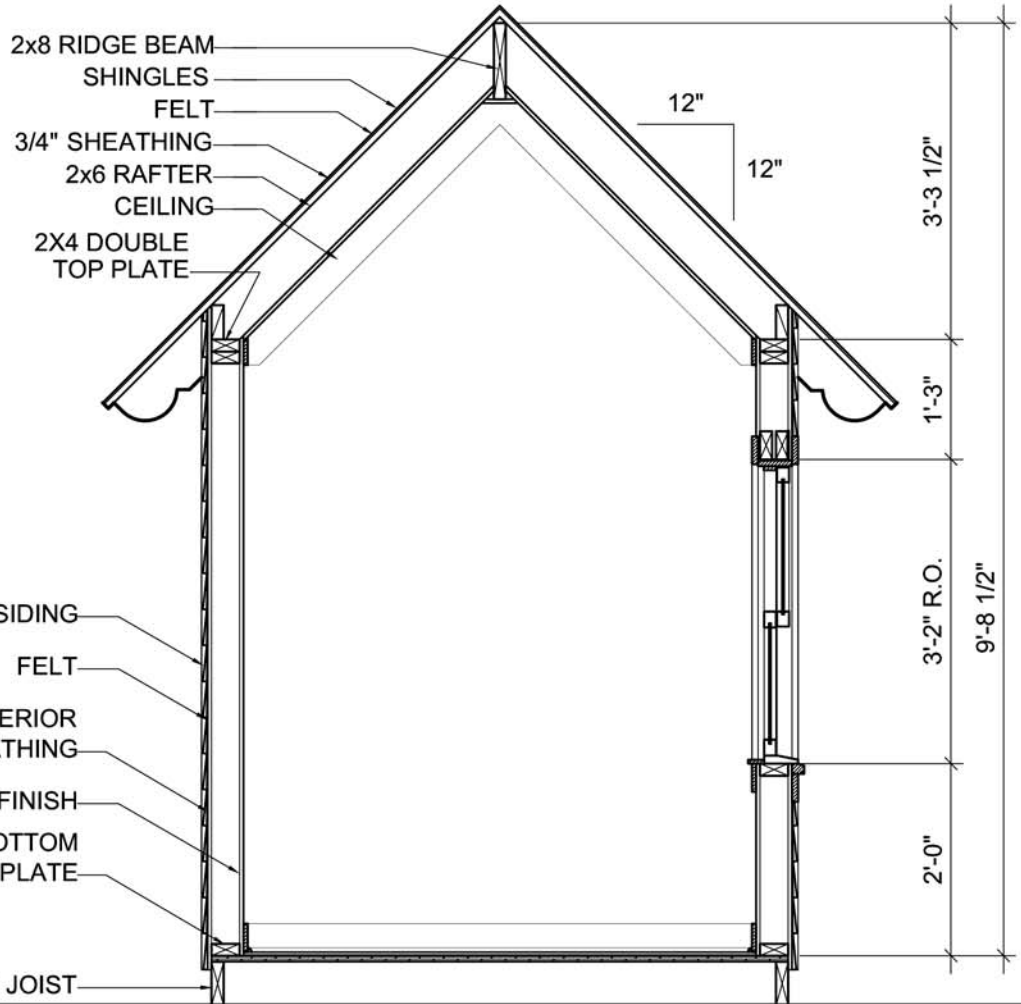
\* Exterior sheathing was not used for the project pictured above because it was not in the budget. It is recommended though.



**INTERIOR FINISHES:**

1. Cut and attach beadboard panels to walls & ceiling with finishing nails.
2. Install floors.
3. Measure, cut, and attach trim. Caulk if necessary.
4. Paint walls and ceiling.

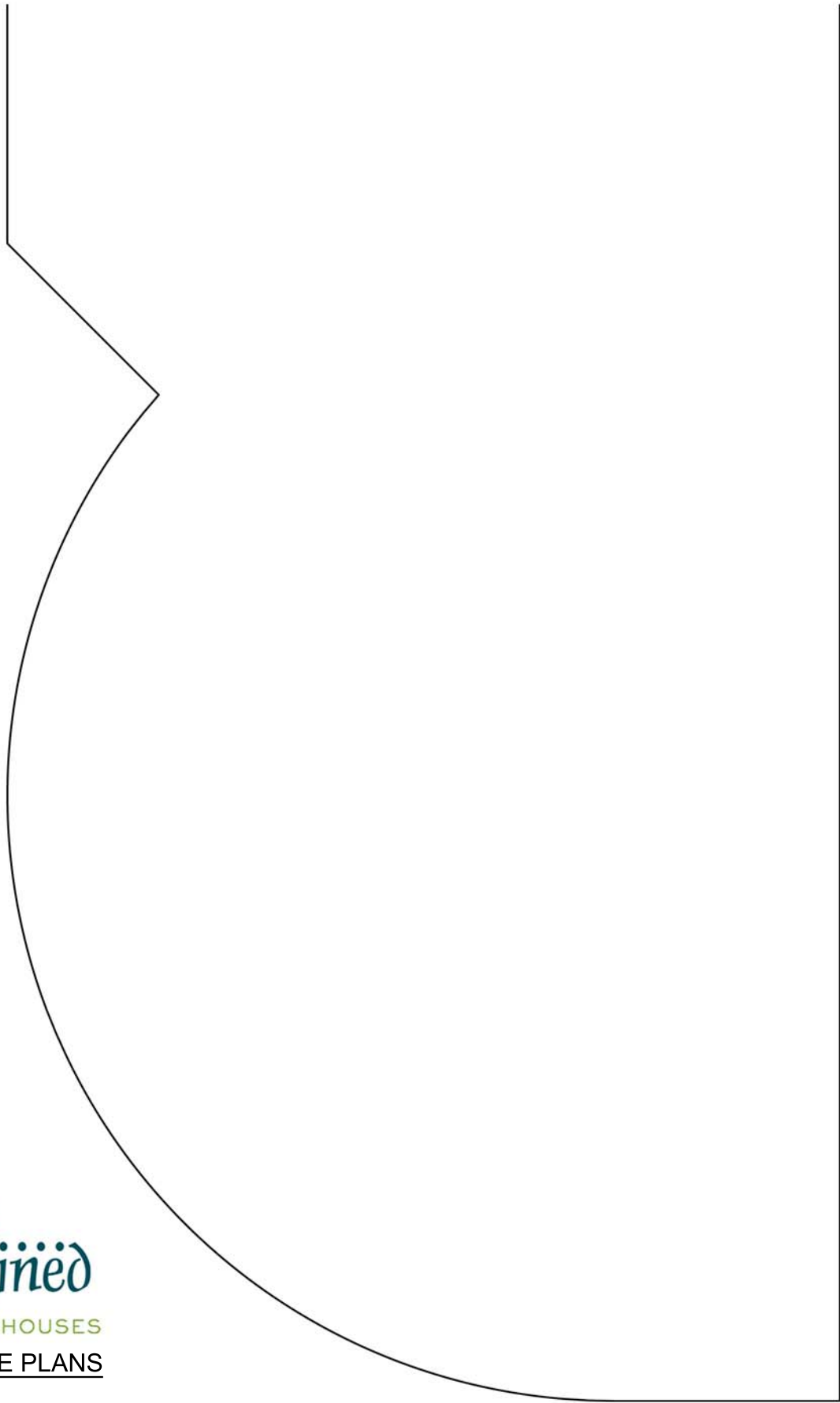
- 1/2" EXTERIOR SHEATHING
- INTERIOR FINISH
- 2X4 BOTTOM PLATE
- 2X6 RIM JOIST



**SECTION**

SCALE: 1/2" = 1'-0"





*A Place  
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DIY PLAYHOUSE PLANS

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RAFTER TAIL TEMPLATE

SCALE: 1:1