

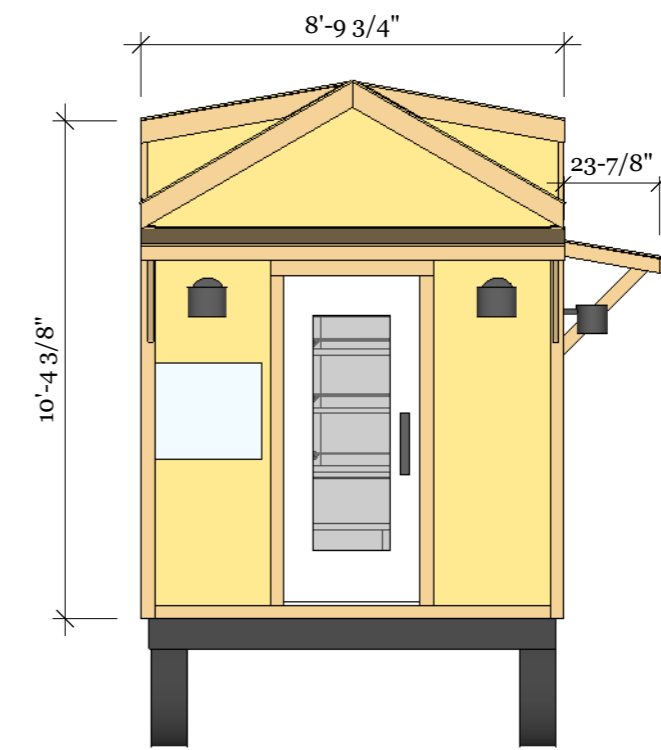
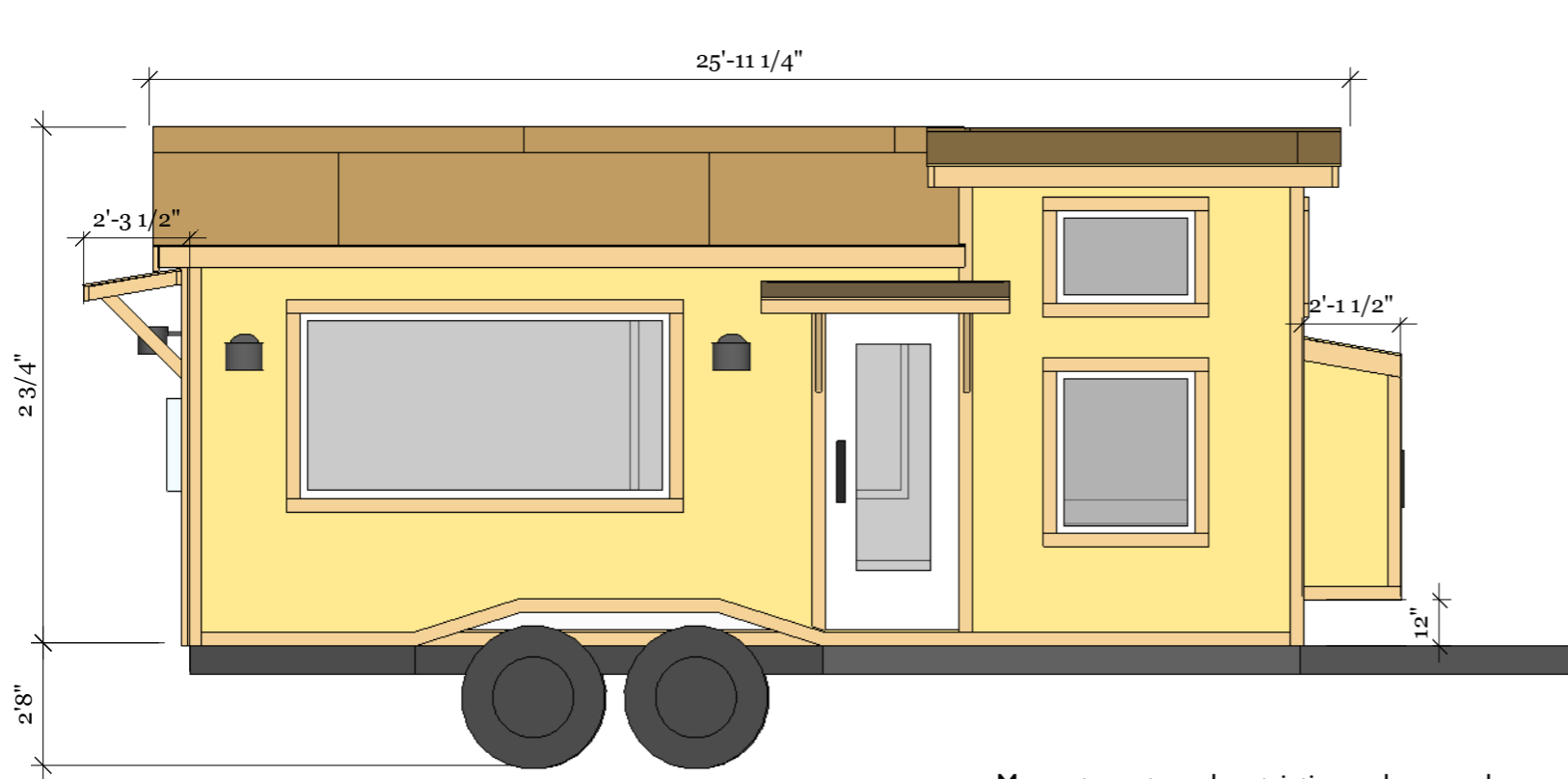


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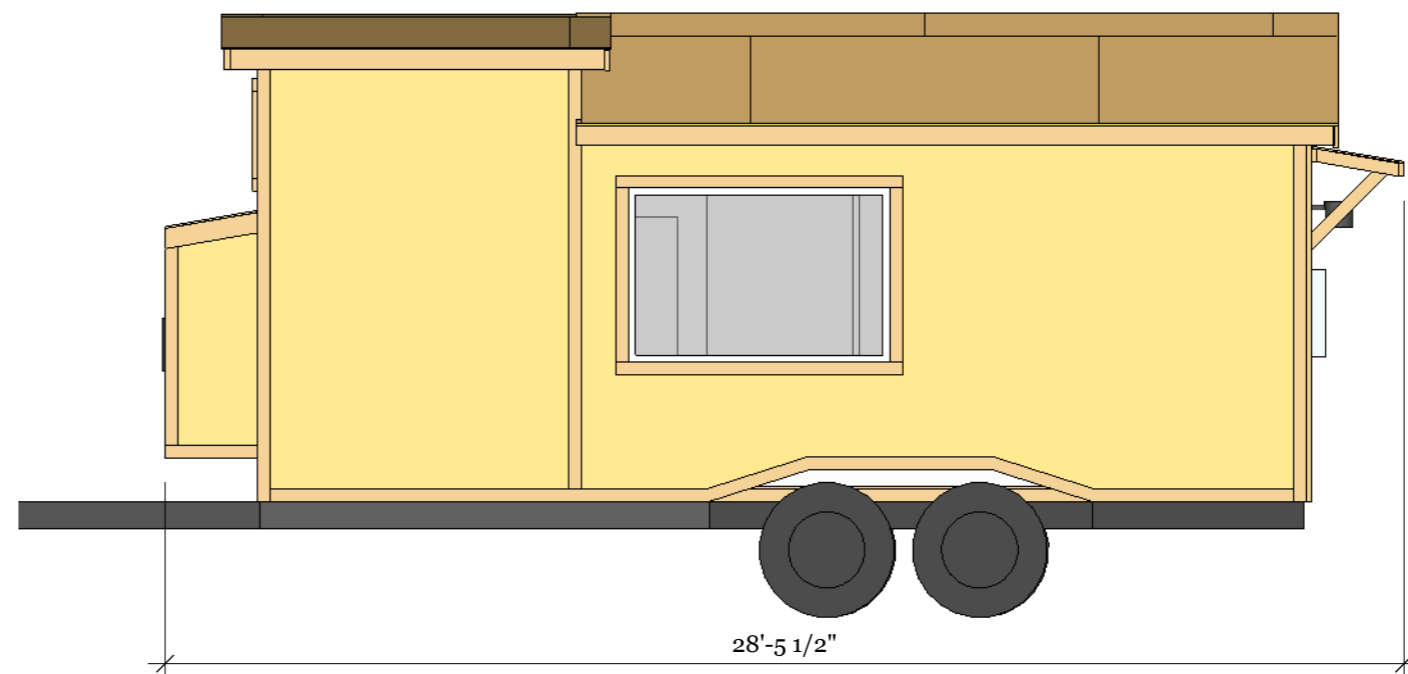
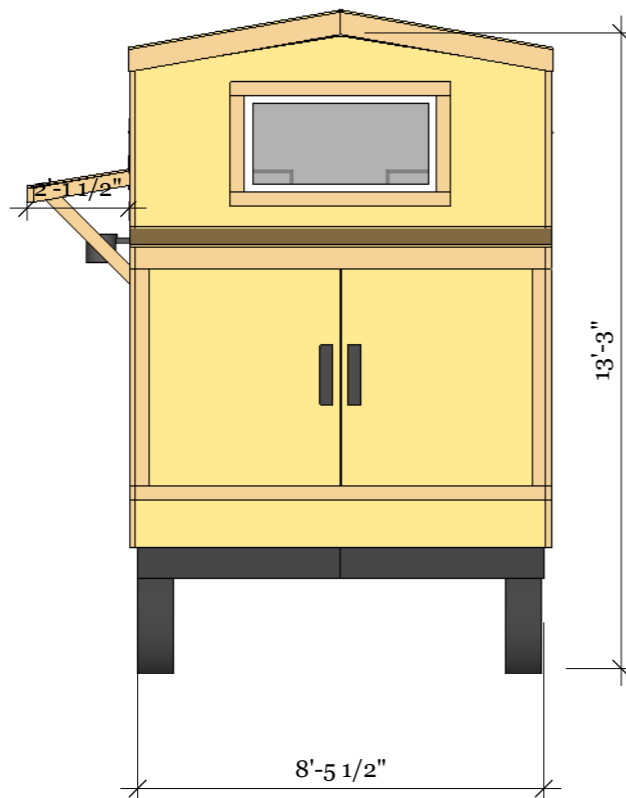
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May not meet road restrictions when overhangs and roof are installed. Check applicable regulations.



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**Exterior Elevations**

June 4, 2016

**DIMENSIONS**

24' x 8'6" x 13'6" Base Dimensions  
 Exterior trim, overhangs and siding  
 may increase overall dimensions.  
 Check local road restrictions for  
 transporting requirements.

**KITCHEN FEATURES**

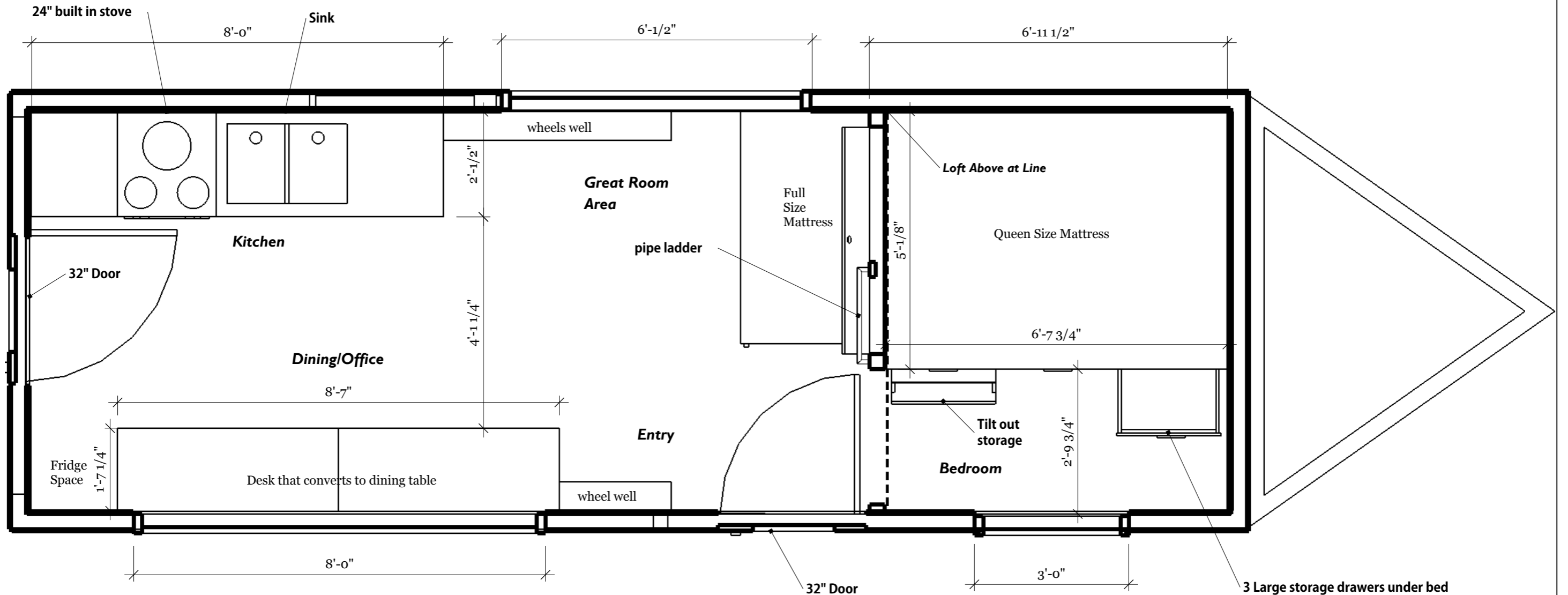
20" - 24" Stove, Freestanding or Built-In  
 Full Size Double Sink  
 (2) 20" Base Storage Cabinets  
 Toekick drawers  
 72" wall kitchen storage cabinets or shelves  
 24" wall space for fridge and microwave stacked

**ADDITIONAL AMENITIES**

Private Bedroom with Queen Mattress  
 3 - Drawers, 24" x 24" x 6"  
 Tilt out shoe storage, 6 standard pairs  
 Optional hidden storage area 60" x 30" x 18" tall  
 Full Size Trundle Sofa with lift up storage  
 Built in bookshelf ladder wall for display storage

**LOFT**

80" x 94-1/2"  
 Interior height at peak: 46" \*  
 Interior side wall height: 37-1/2"\*  
 No egress window  
 \*Ceiling and loft floor finish will affect overall height  
 Ceiling height under loft: 76"

**DOORS**

32" 2x4 framing exterior door, right  
 hand swing - living area door  
 32" 2x4 framing exterior door, left  
 hand swing - kitchen door

**WINDOWS**

96" wide x 48" tall - dining window  
 72" wide x 48" tall - living area window  
 36" wide x 42" tall - bedroom  
 36" wide x 24" tall - loft  
 48" wide x 24" tall - loft

**MODIFIED FLOOR PLANS**

Two additional floor plans of this model have been created,  
 one with a shower/composting toilet and a second with one  
 entrance and kitchen moved to end. In addition, the  
 sketchup file is available for free download to modify this  
 plan set. [www.ana-white.com/tinyhouseplans](http://www.ana-white.com/tinyhouseplans)

**FRAMING MATERIALS**

2x4 Floor and Wall Framing  
 3/4" Plywood Tongue and Groove Subfloor  
 2x6 Rafters and Ridgepole  
 1/2" Exterior Plywood Sheathing  
 5/8" Roof Sheathing

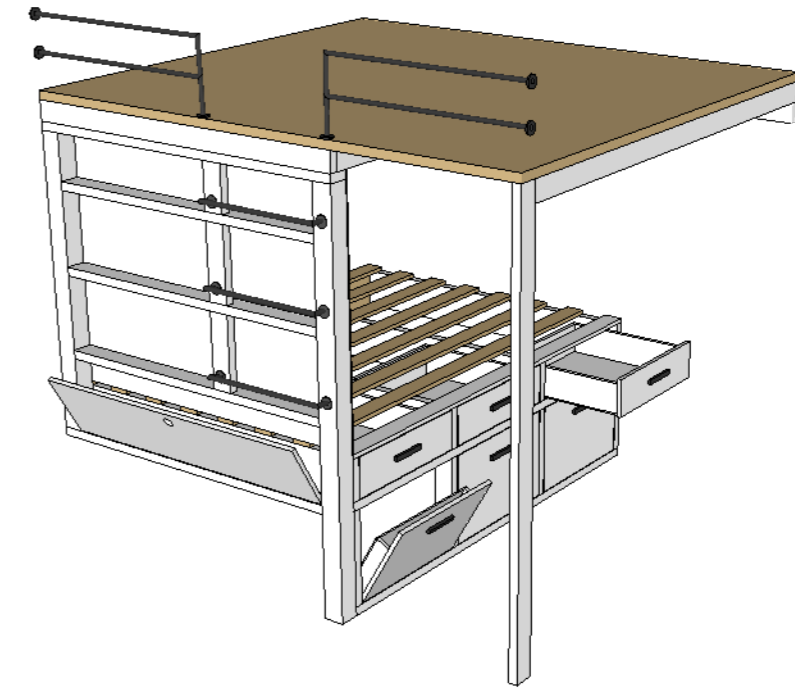
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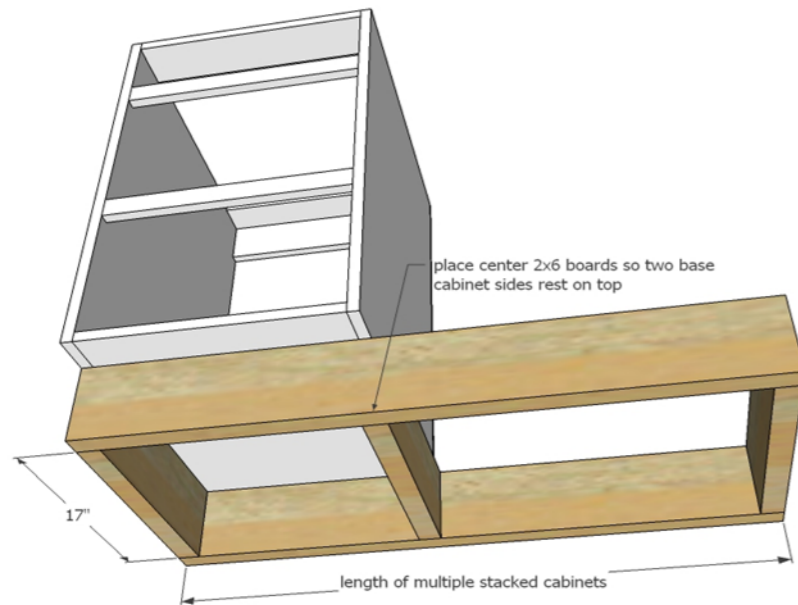
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**Floor Plan**

June 4, 2016



Detailed free interior project plans  
available at [www.ana-white.com/tiny](http://www.ana-white.com/tiny)



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Interior Views

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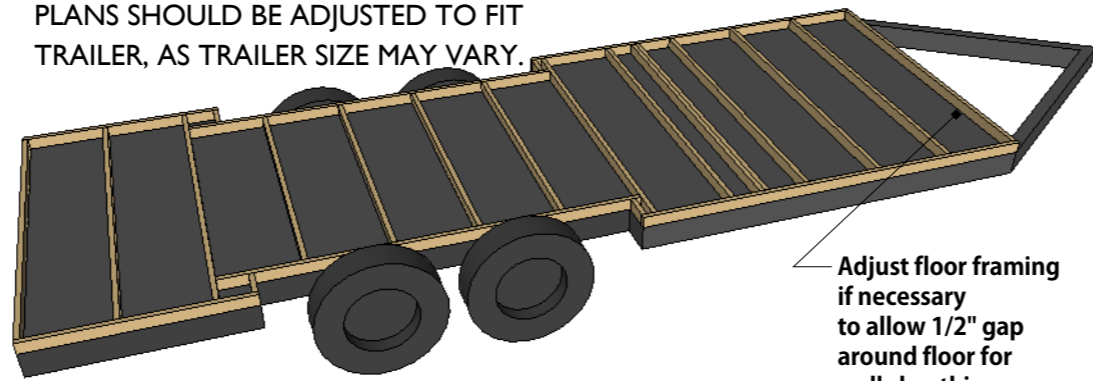
**FLOOR FRAMING CUT LIST**

- 11 - 2x4 @ 98-1/2" (main joists)
- 4 - 2x4 @ 79-1/4" (joists between wheel wells)
- 2 - 2x4 @ 58-1/2" (end ledger boards)
- 2 - 2x4 @ 118-1/2" (wheel well ledger boards)
- 2 - 2x4 @ 124" (tongue end ledger boards)
- 4 - 2x4 @ 8-1/8" (blocking around wheel well)

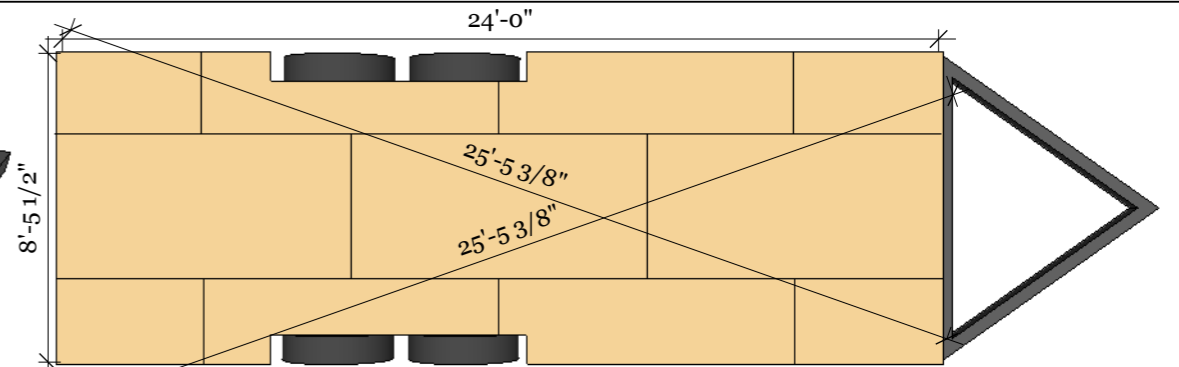
Attach floor framing with 3-1/4" galvanized framing nails, two nails per joint. Joists are placed 24" on center. Additional framing is recommended (as shown) to support loft load point. Framing must also be attached to trailer with bolts or other hardware.

**TRAILER USED: PJ TRAILERS 6" Channel Super Wide B6**

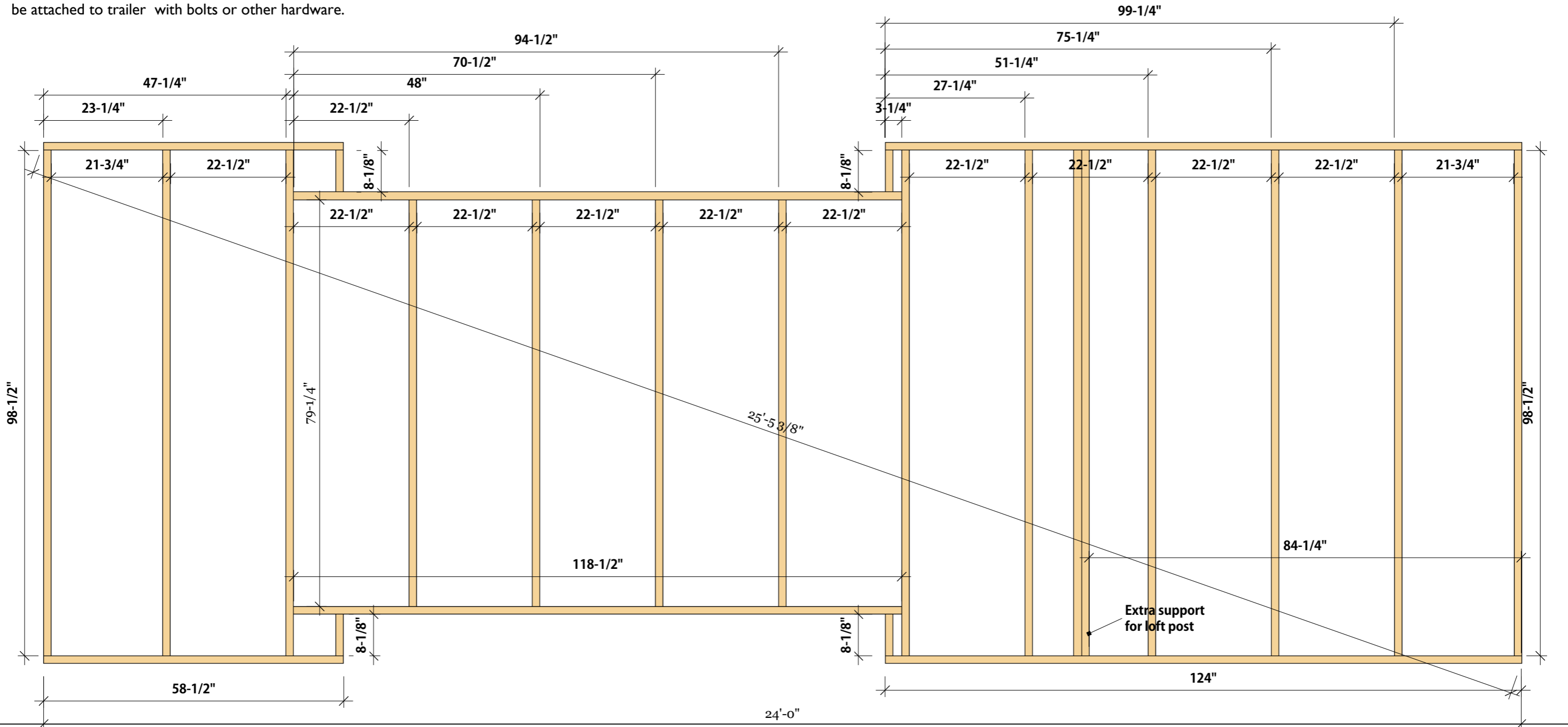
PLANS SHOULD BE ADJUSTED TO FIT TRAILER, AS TRAILER SIZE MAY VARY.



Adjust floor framing if necessary to allow 1/2" gap around floor for wall sheathing



3/4" tongue and groove floor sheathing 8D nails with subfloor adhesive. 9 sheets needed as shown



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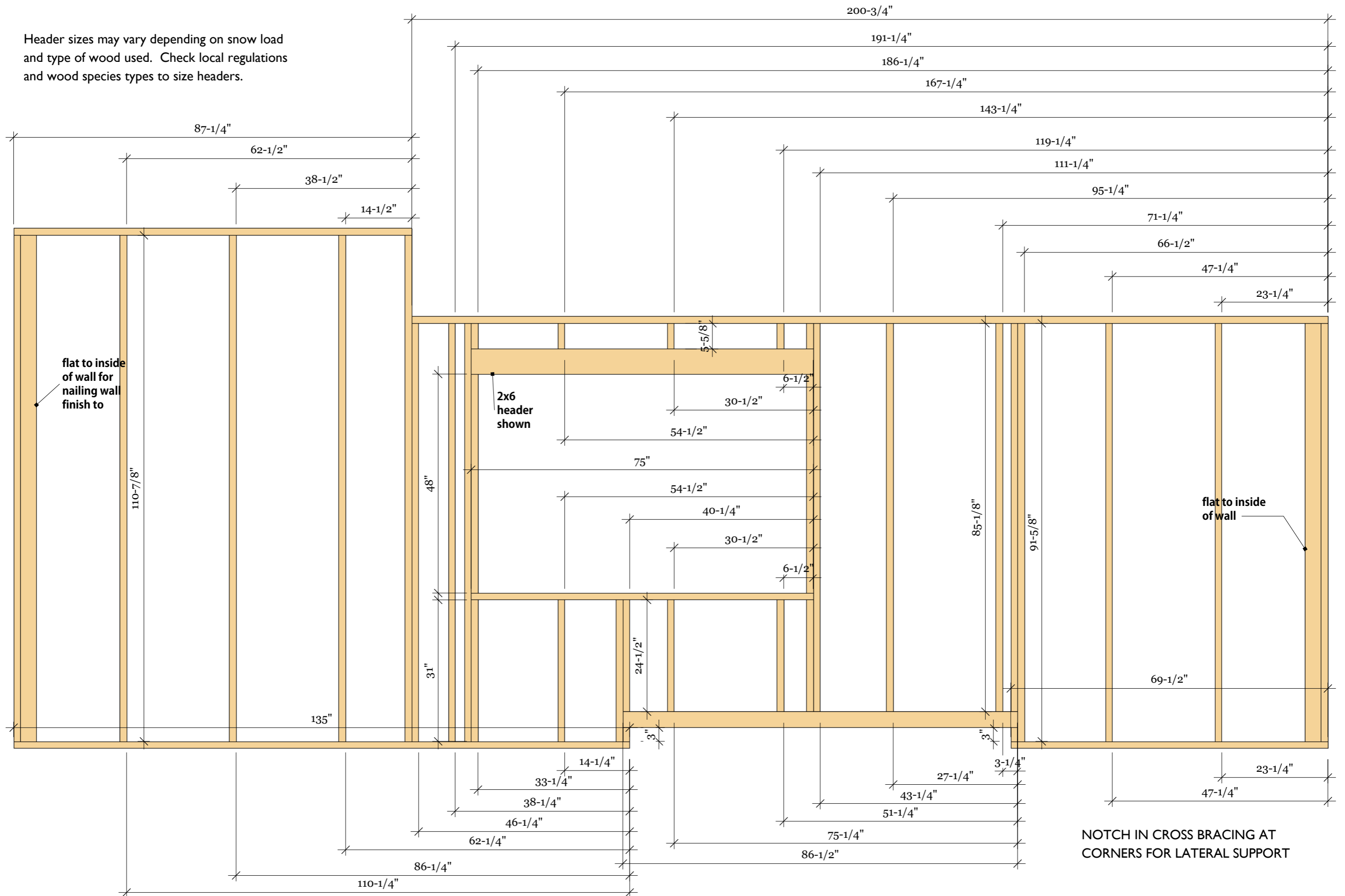
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Floor Framing

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Header sizes may vary depending on snow load and type of wood used. Check local regulations and wood species types to size headers.



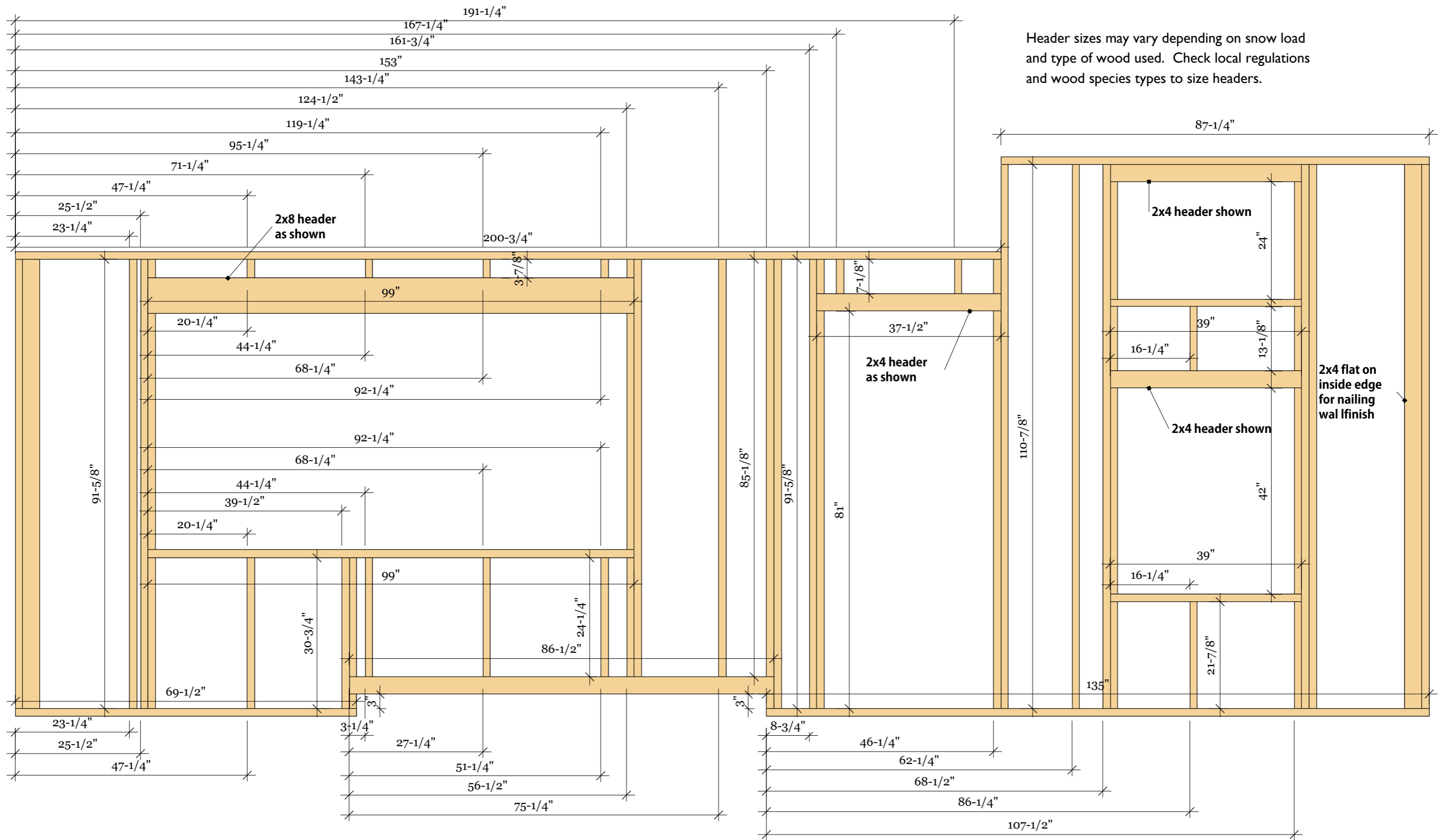
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Wall Framing - Back Wall

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Header sizes may vary depending on snow load and type of wood used. Check local regulations and wood species types to size headers.

NOTCH IN CROSS BRACING AT CORNERS IF FOR LATERAL SUPPORT

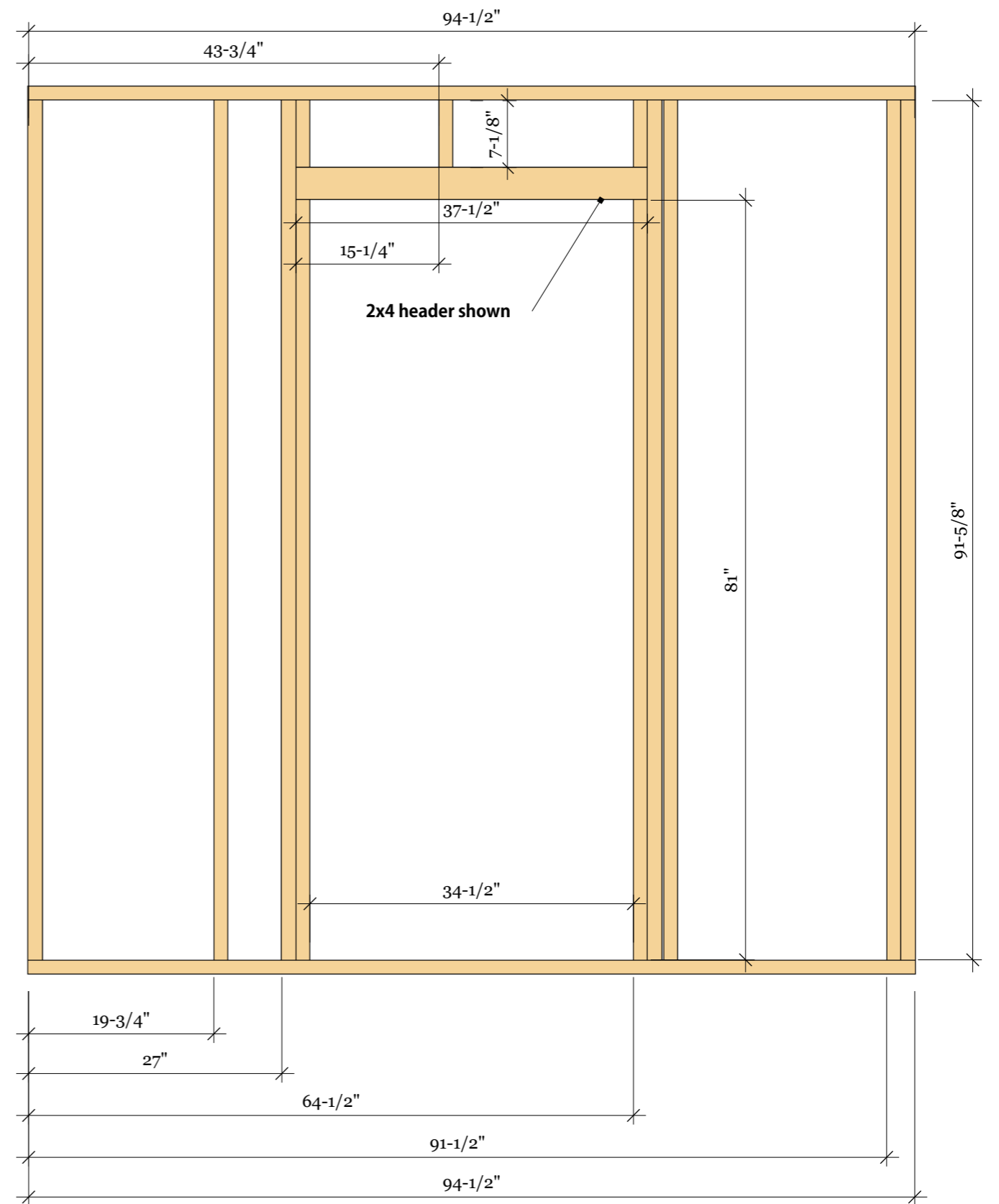
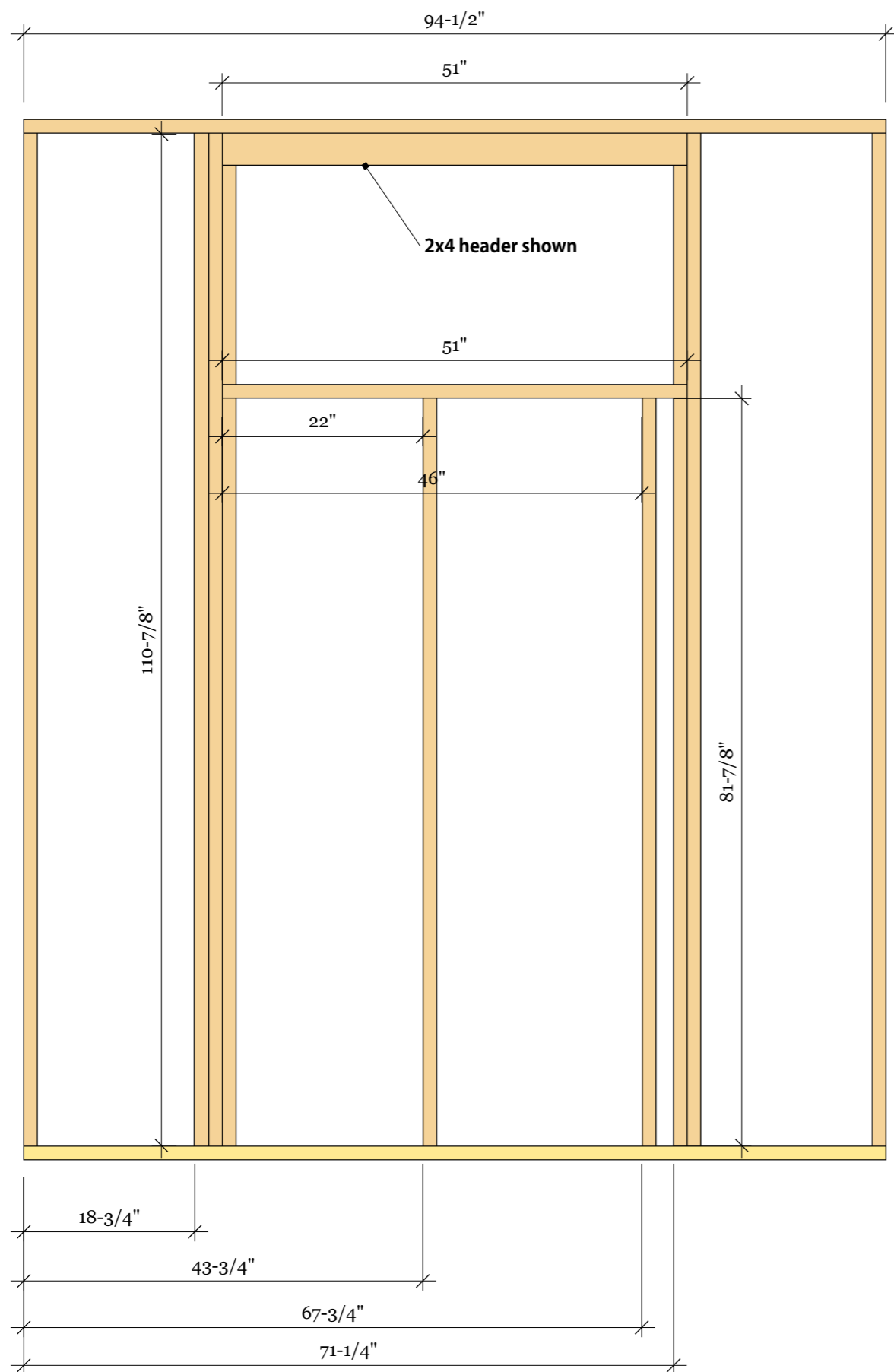
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Wall Framing - Front Wall

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NOTCH IN CROSS BRACING AT  
CORNERS IF FOR LATERAL SUPPORT

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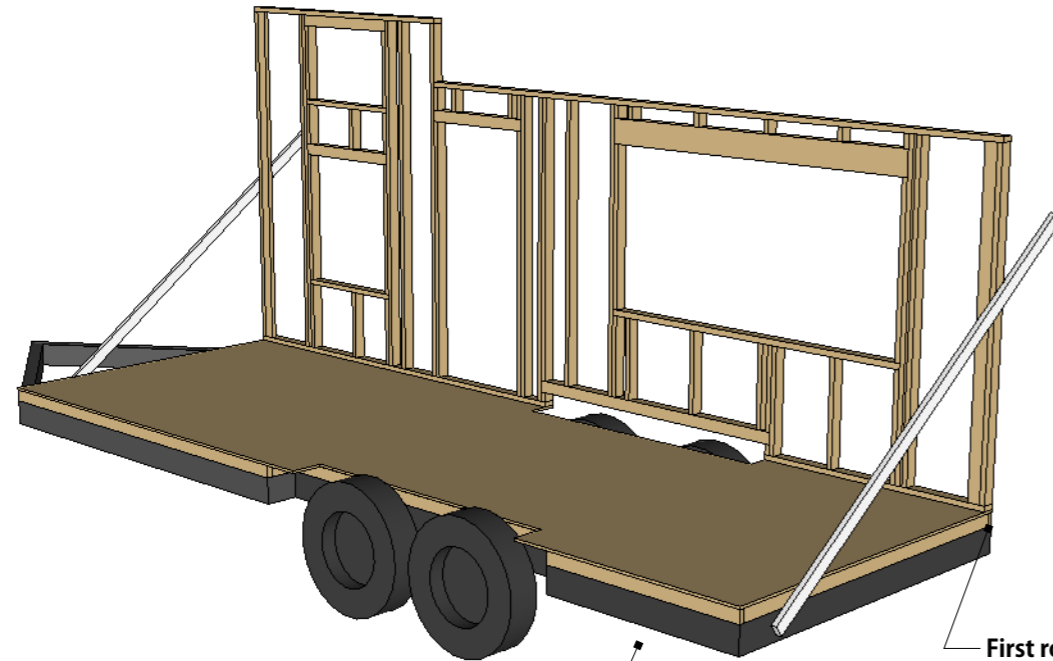
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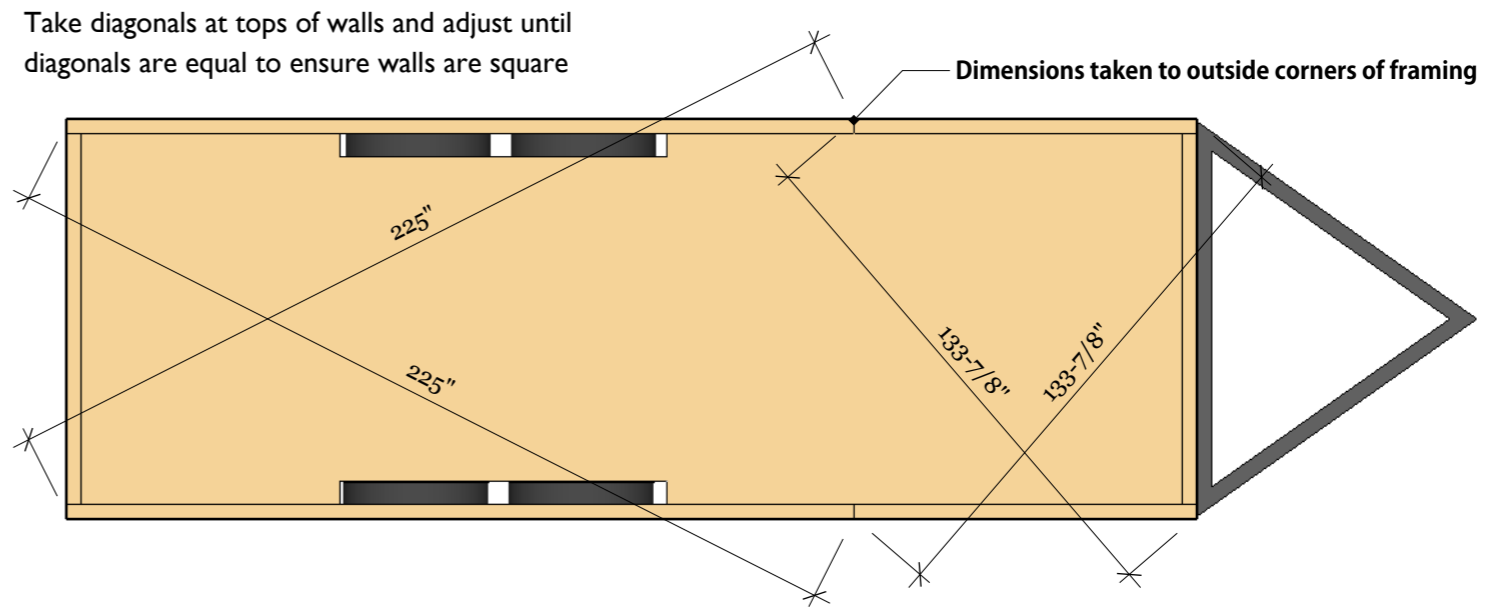
**Wall Framing - End Walls**

June 4, 2016





Stand long walls first and brace with 2x4s. Ensure walls are square. Attach to floor with 16D nails. Walls should also be bolted to trailer.



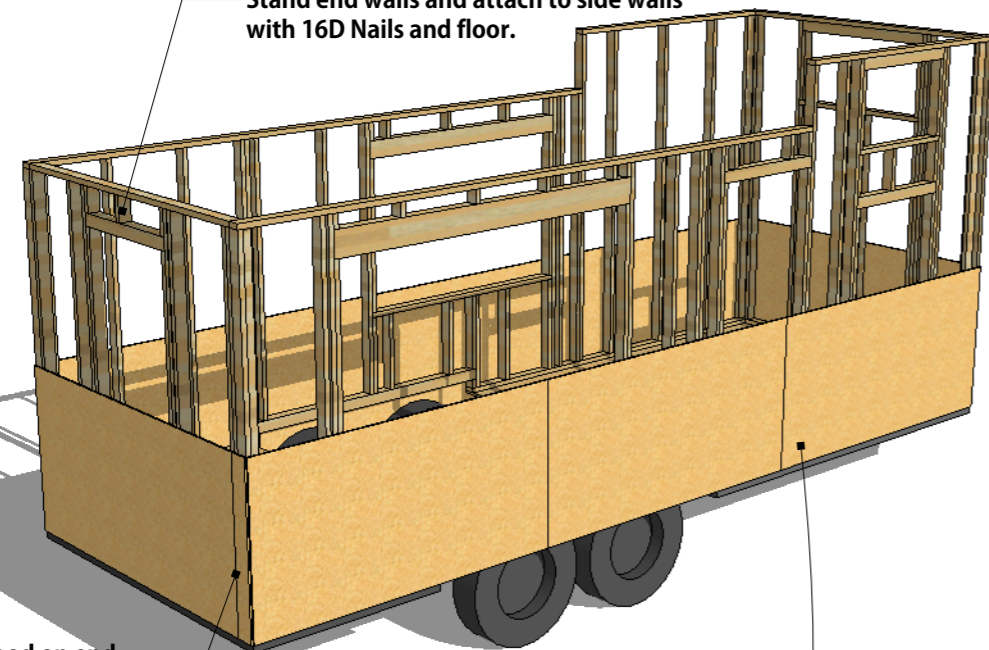
Take diagonals at tops of walls and adjust until diagonals are equal to ensure walls are square

Dimensions taken to outside corners of framing

First row of plywood can be attached to side walls before standing to help keep wall square while standing wall. It is also easier to attach plywood on ground instead of vertically when installed. Overhang plywood 4-1/4" on bottom to account for covering floor framing. Cut wheel wells out before standing.

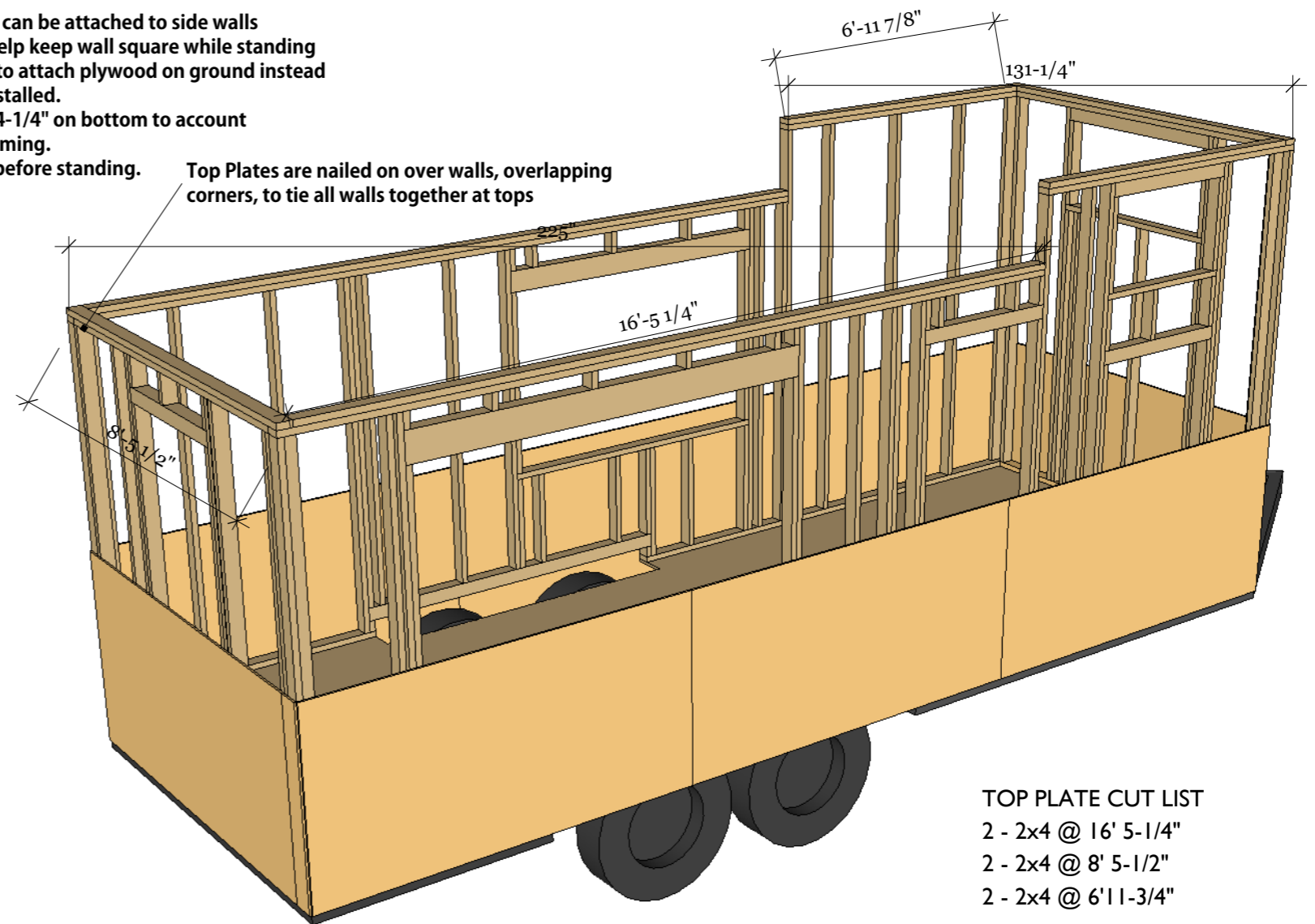
Top Plates are nailed on over walls, overlapping corners, to tie all walls together at tops

Stand end walls and attach to side walls with 16D Nails and floor.



Plywood on end walls also ties in side wall framing

1/2" plywood sheathing attached with 8D nails to studs, first row of plywood must cover the floor framing.



- TOP PLATE CUT LIST**
- 2 - 2x4 @ 16' 5-1/4"
  - 2 - 2x4 @ 8' 5-1/2"
  - 2 - 2x4 @ 6' 11-3/4"

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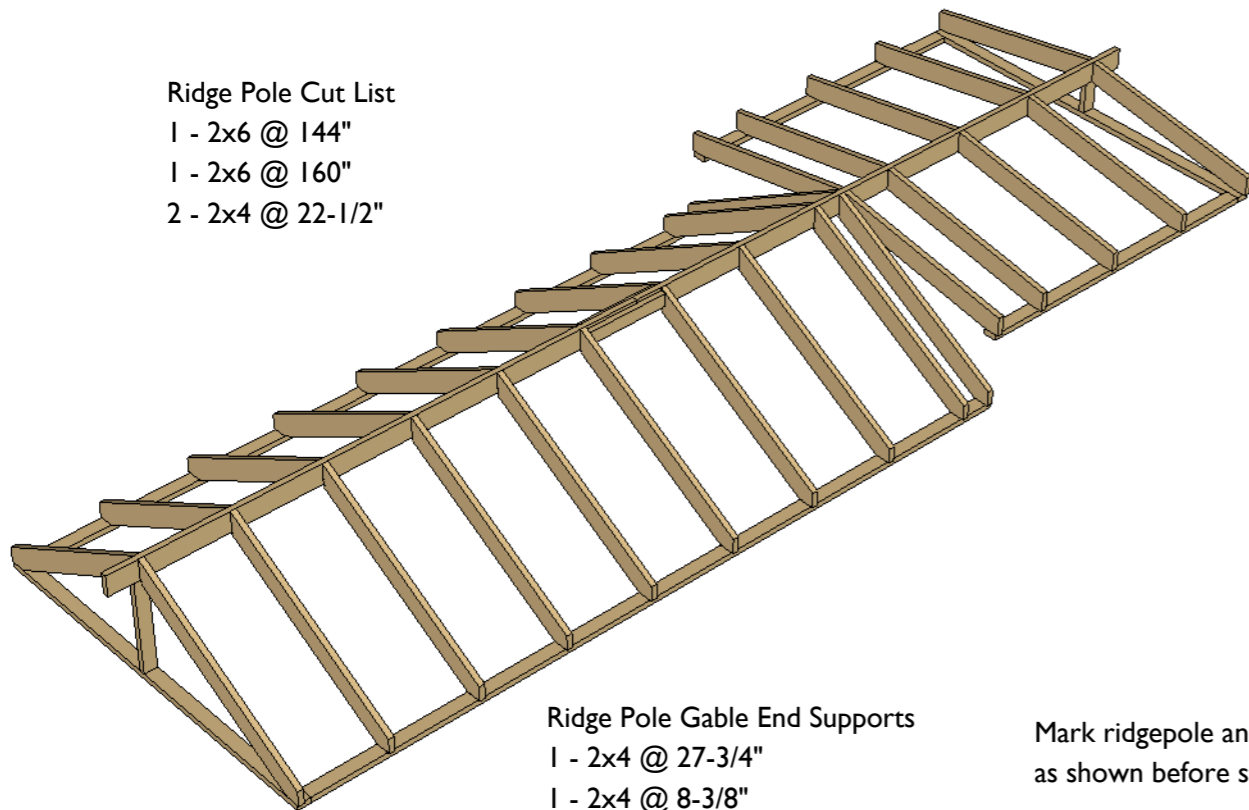
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**Wall Top Plates**

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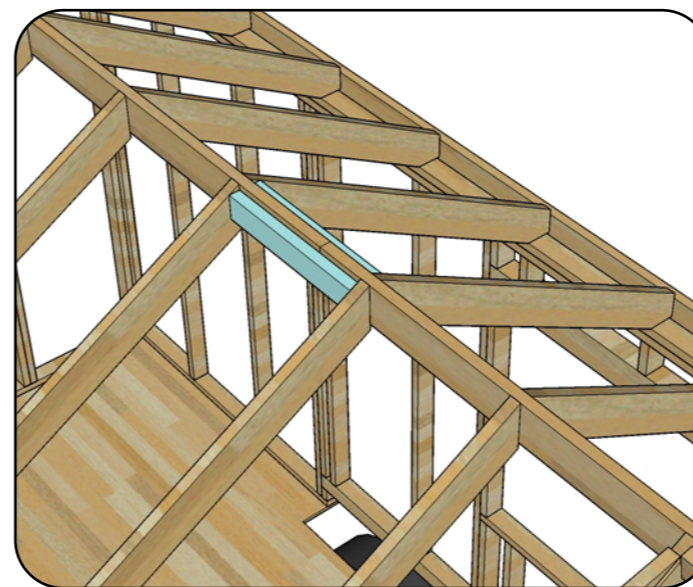
**Ridge Pole Cut List**

- 1 - 2x6 @ 144"
- 1 - 2x6 @ 160"
- 2 - 2x4 @ 22-1/2"

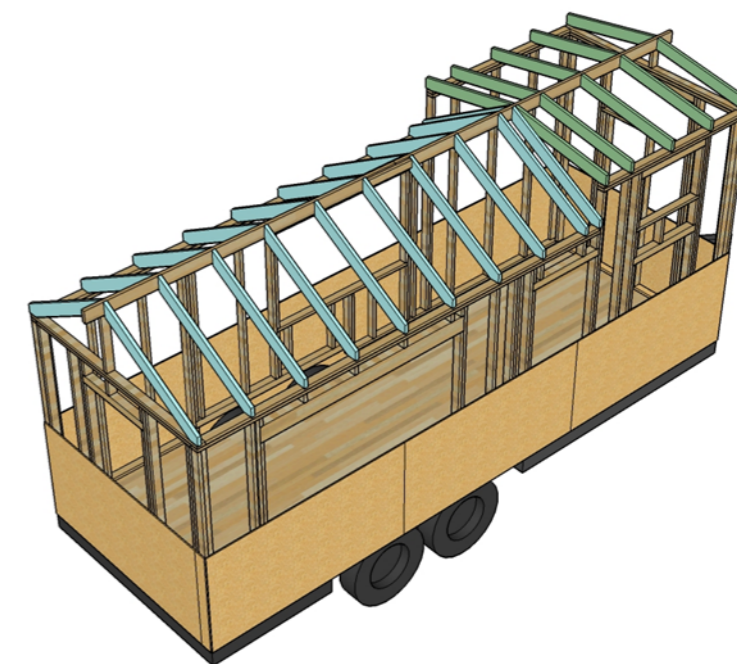


**Ridge Pole Gable End Supports**

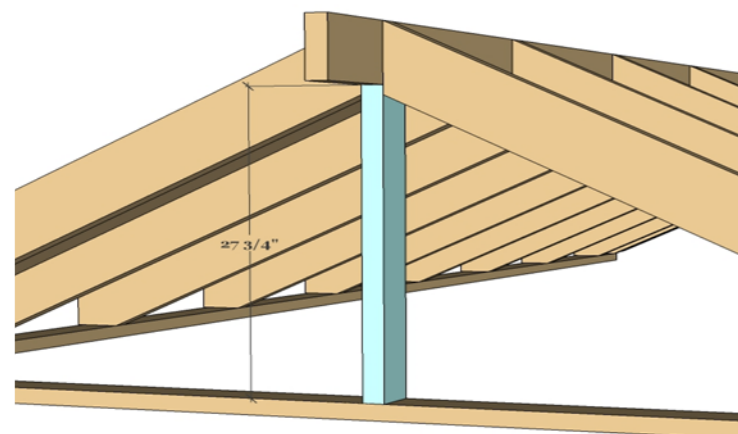
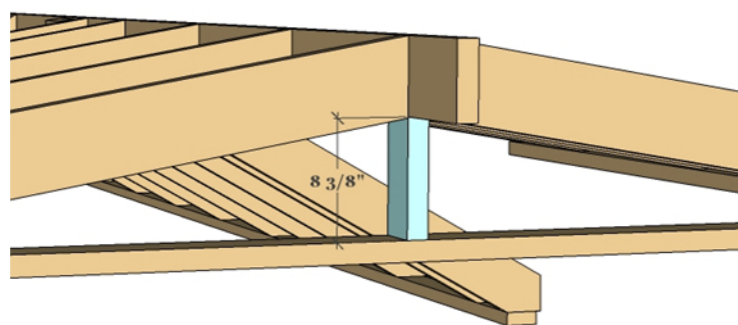
- 1 - 2x4 @ 27-3/4"
- 1 - 2x4 @ 8-3/8"



Splice 2x6 ridge pole boards with 2x4 blocking



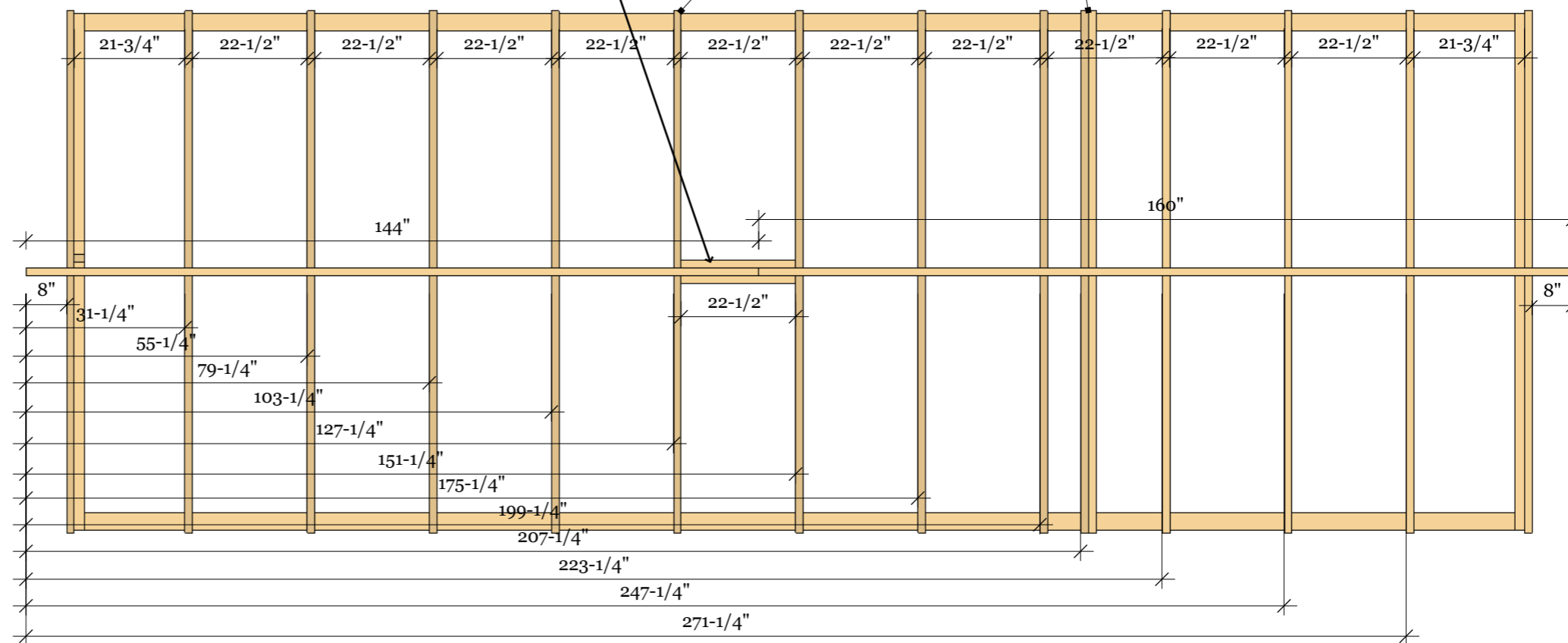
Begin dormer rafters



Top of floor to bottom of ridgepole is 123-7/8" if temporary support is needed while building roof

Mark ridgepole and top plates as shown before stacking rafters

Rafters spaced 24" on center



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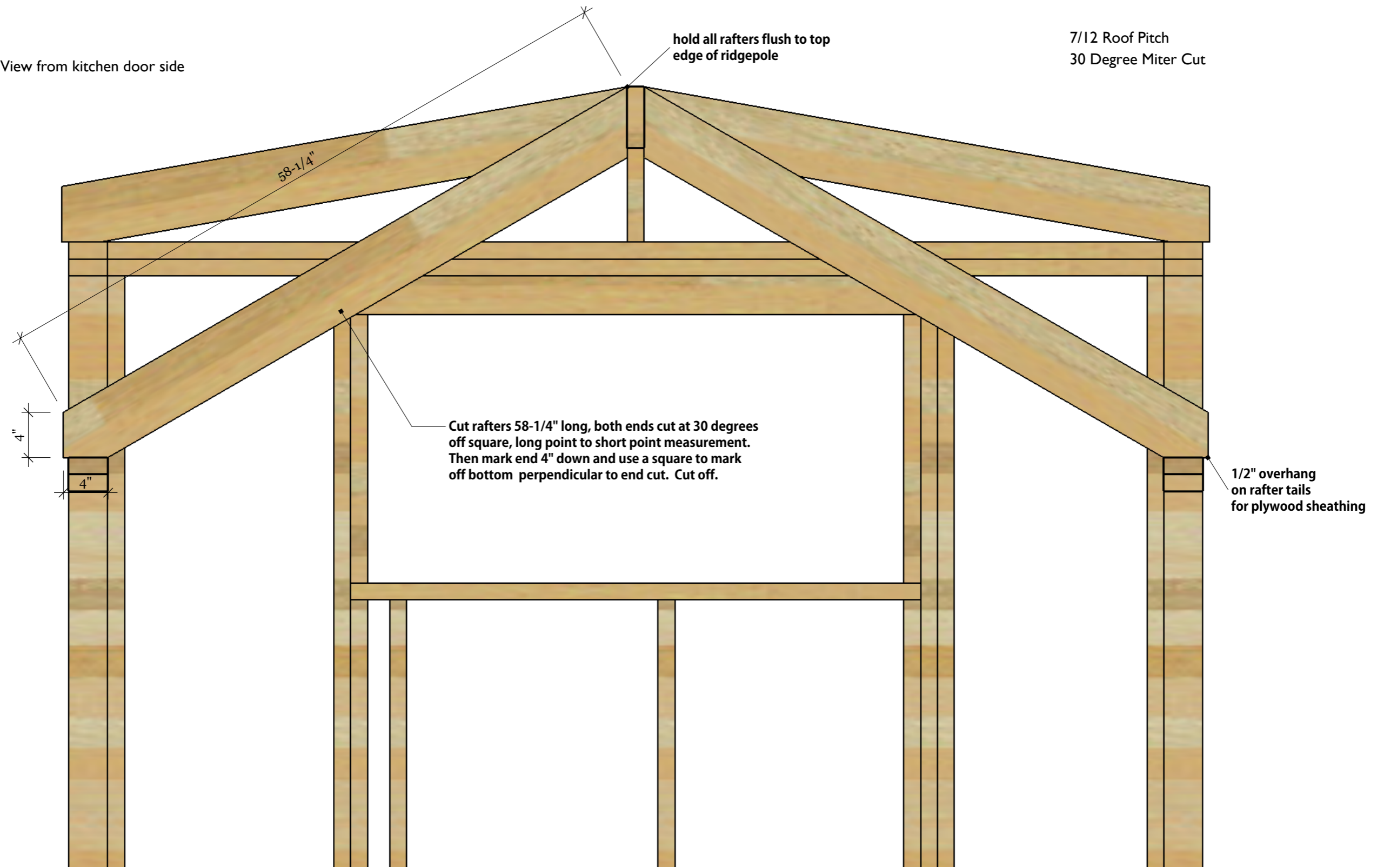
**Rafter Schedule**

June 4, 2016

View from kitchen door side

hold all rafters flush to top edge of ridgepole

7/12 Roof Pitch  
30 Degree Miter Cut



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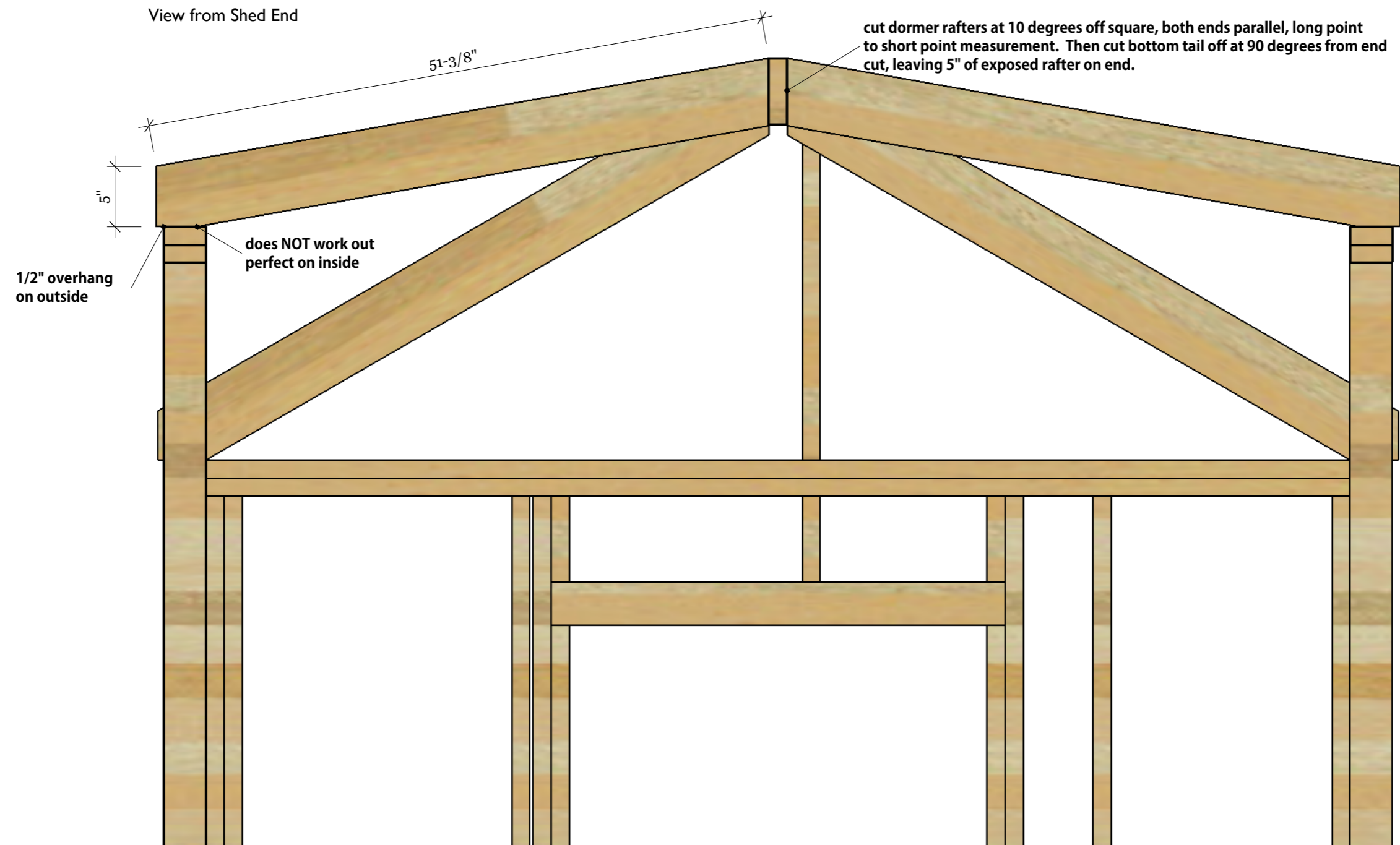
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Main Rafters

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2/12 Roof Pitch  
10 Degree Miter Cut



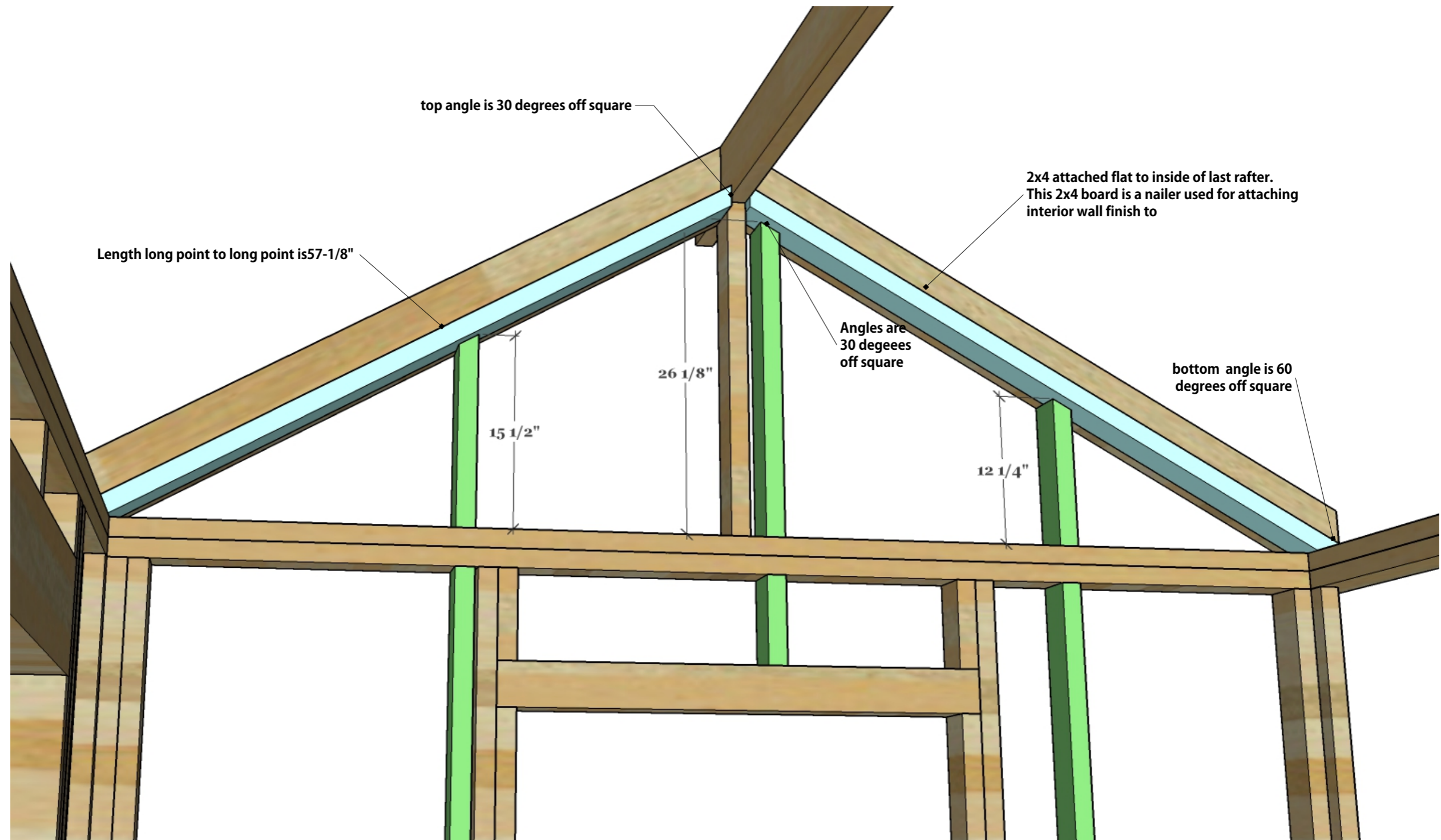
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Dormer Rafters

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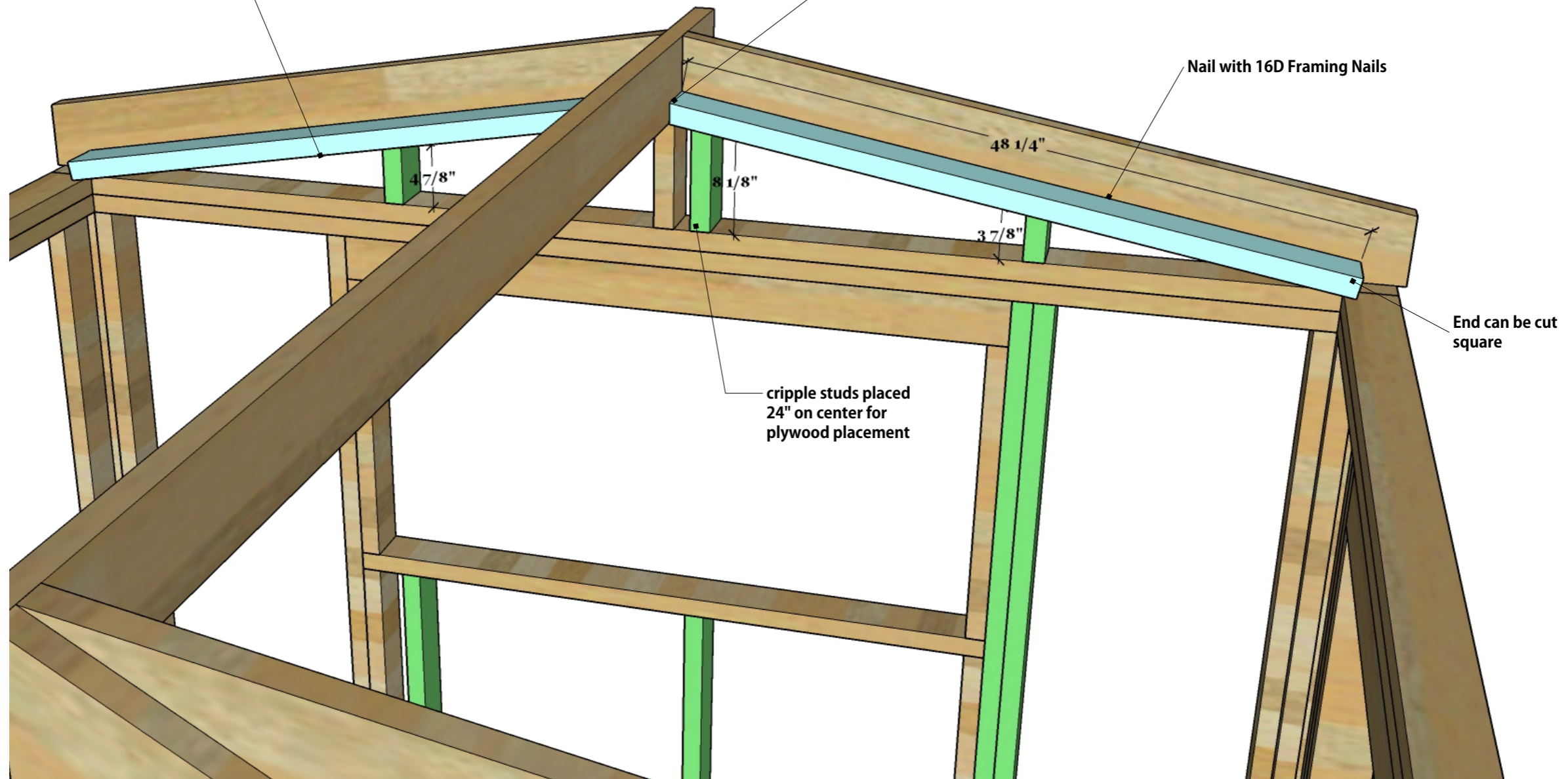
**Gable Blocking Main End**

June 4, 2016

Bottom edge of 2x4 blocking and bottom edge of rafter are flush

top angle is 10 degrees off square

Nail with 16D Framing Nails



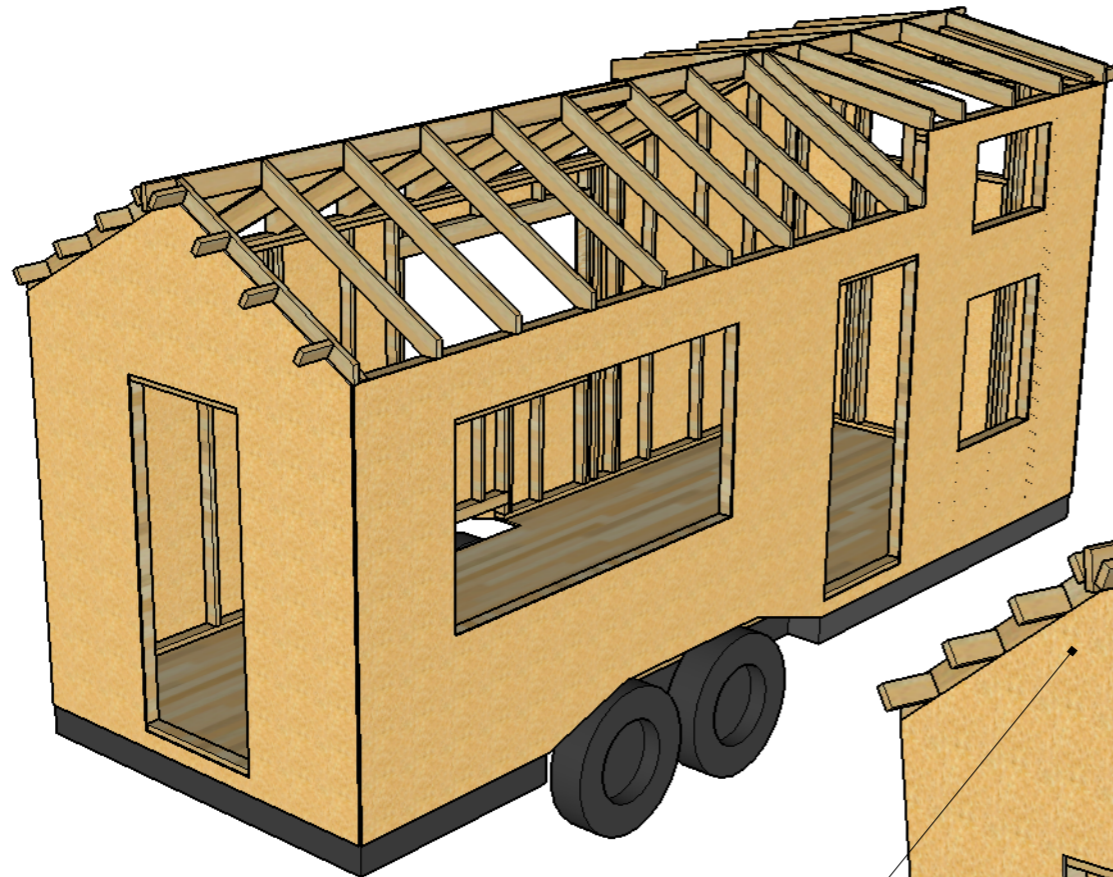
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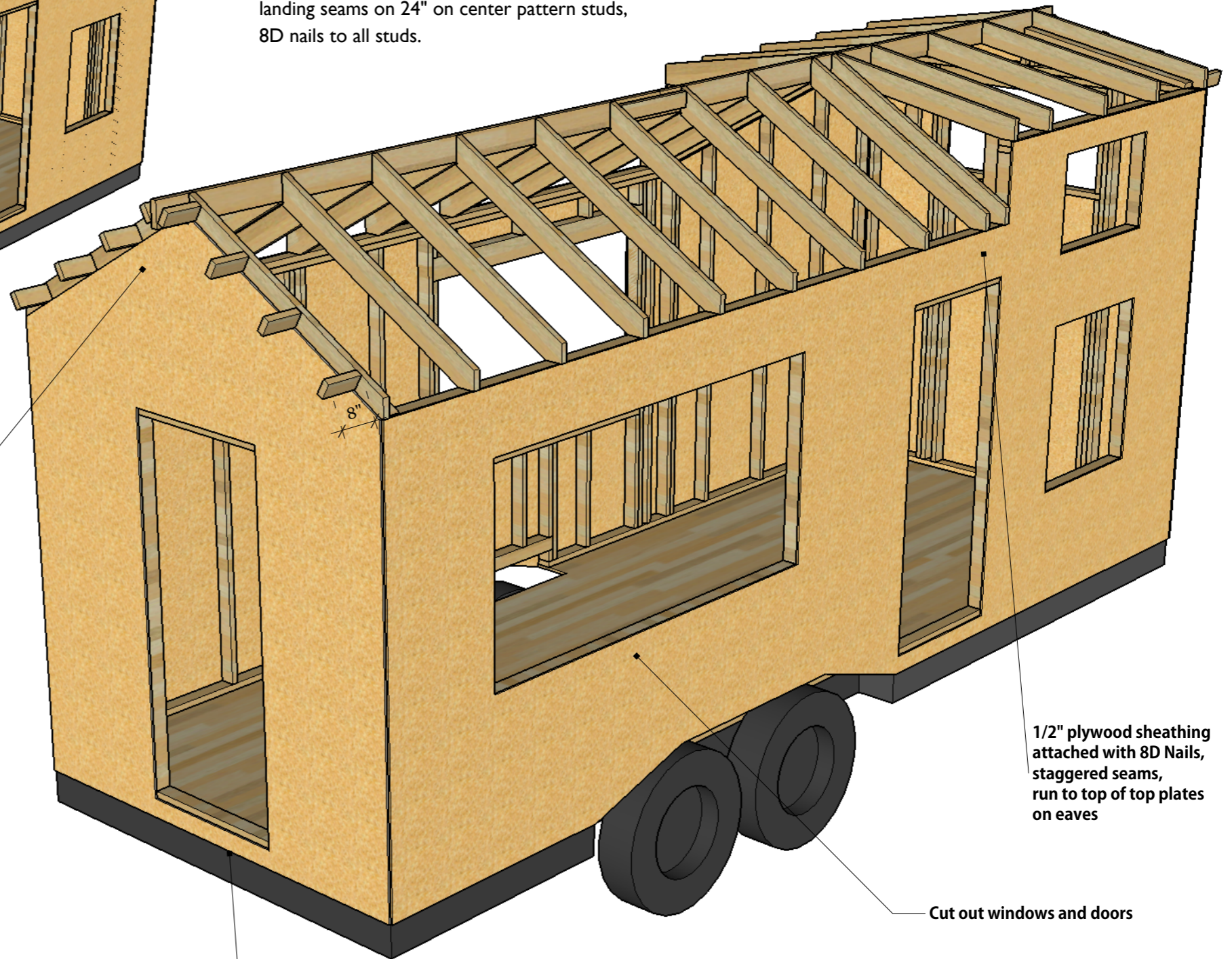
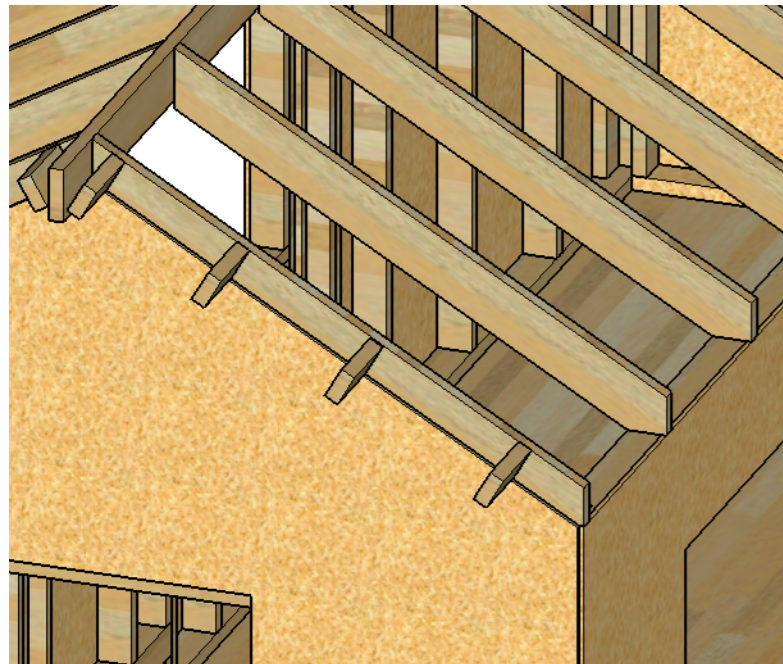
Gable Blocking Dormer End

June 4, 2016



1/2" Exterior sheathing, staggering seams landing seams on 24" on center pattern studs, 8D nails to all studs.

On gable ends, run plywood sheathing up rafters, leaving 3-1/2" space for installation of 2x4 soffit blocking



1/2" plywood sheathing attached with 8D Nails, staggered seams, run to top of top plates on eaves

Cut out windows and doors

Bottom plate of door to be cut out

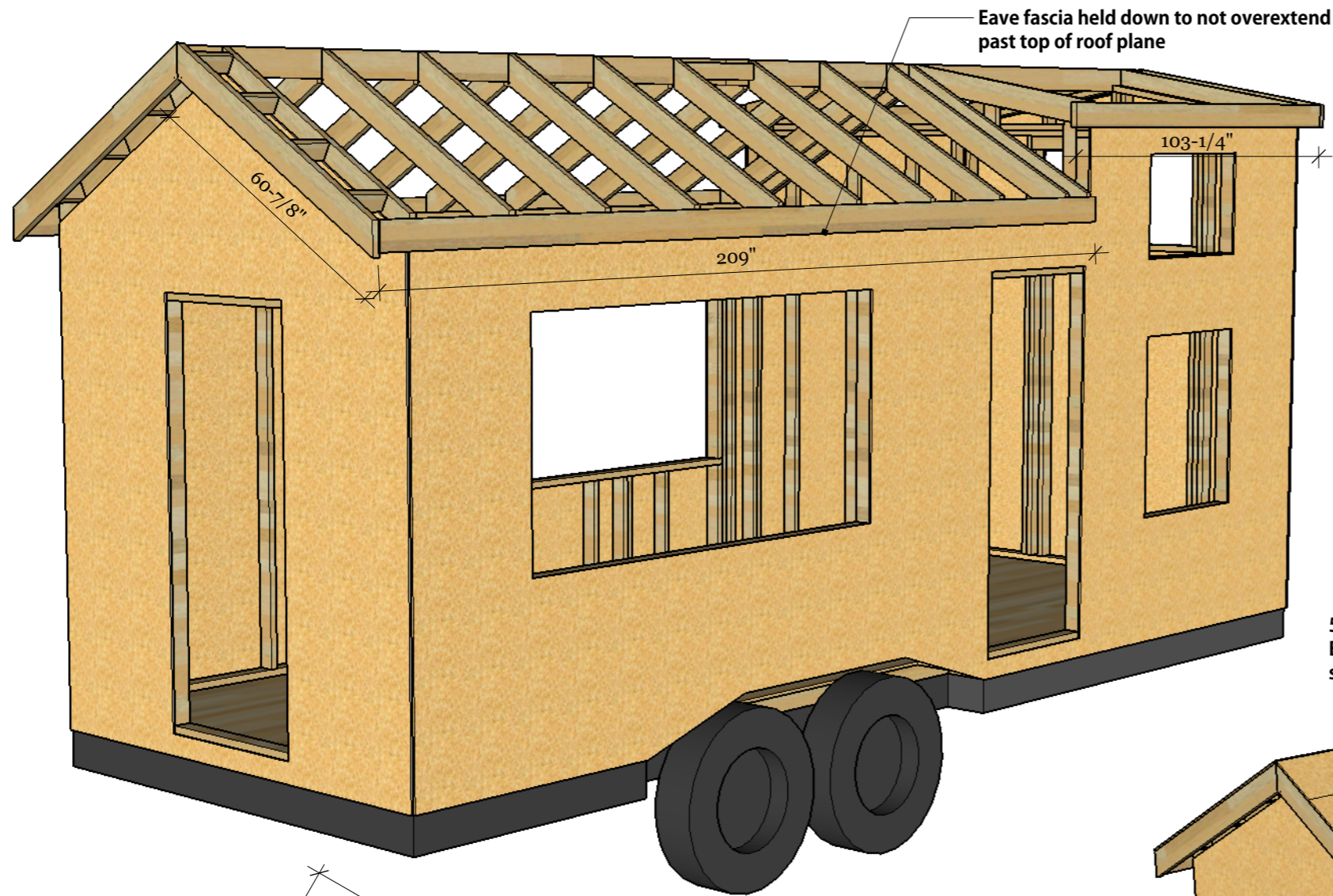
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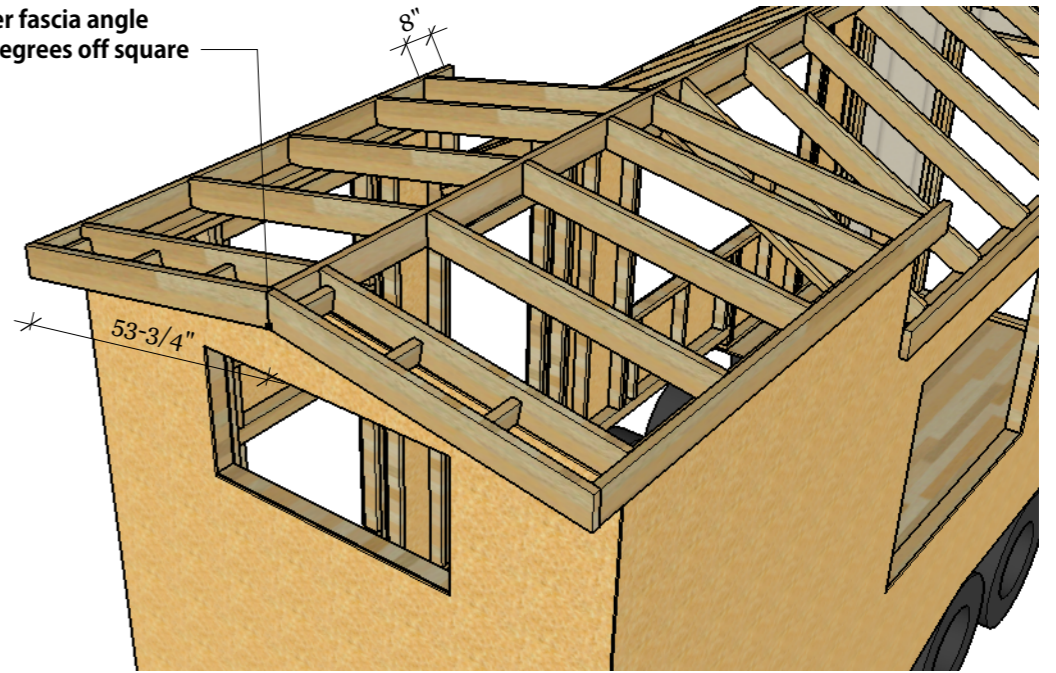
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### Exterior Wall Sheathing

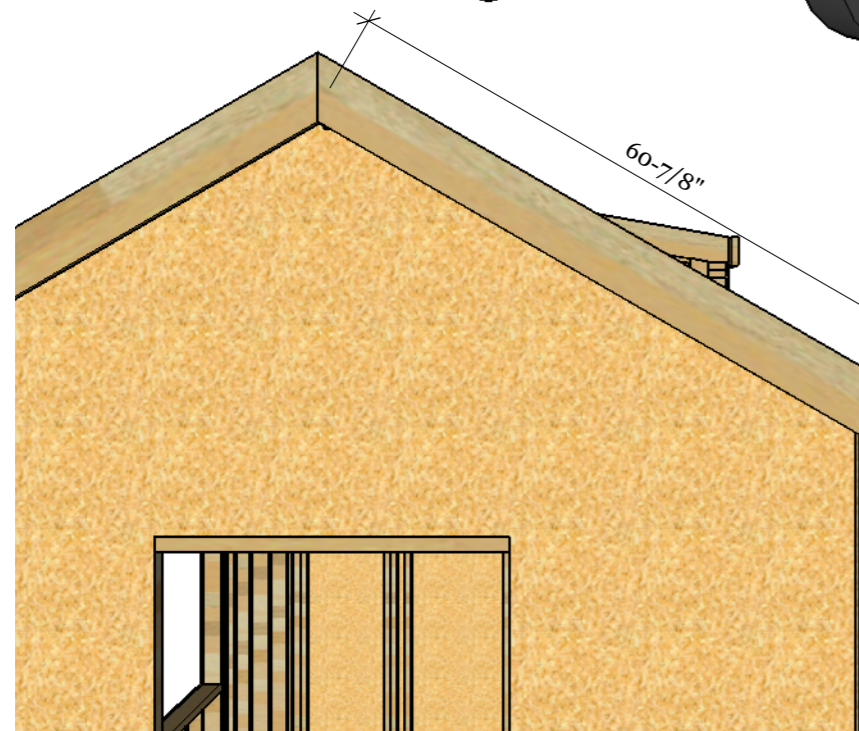
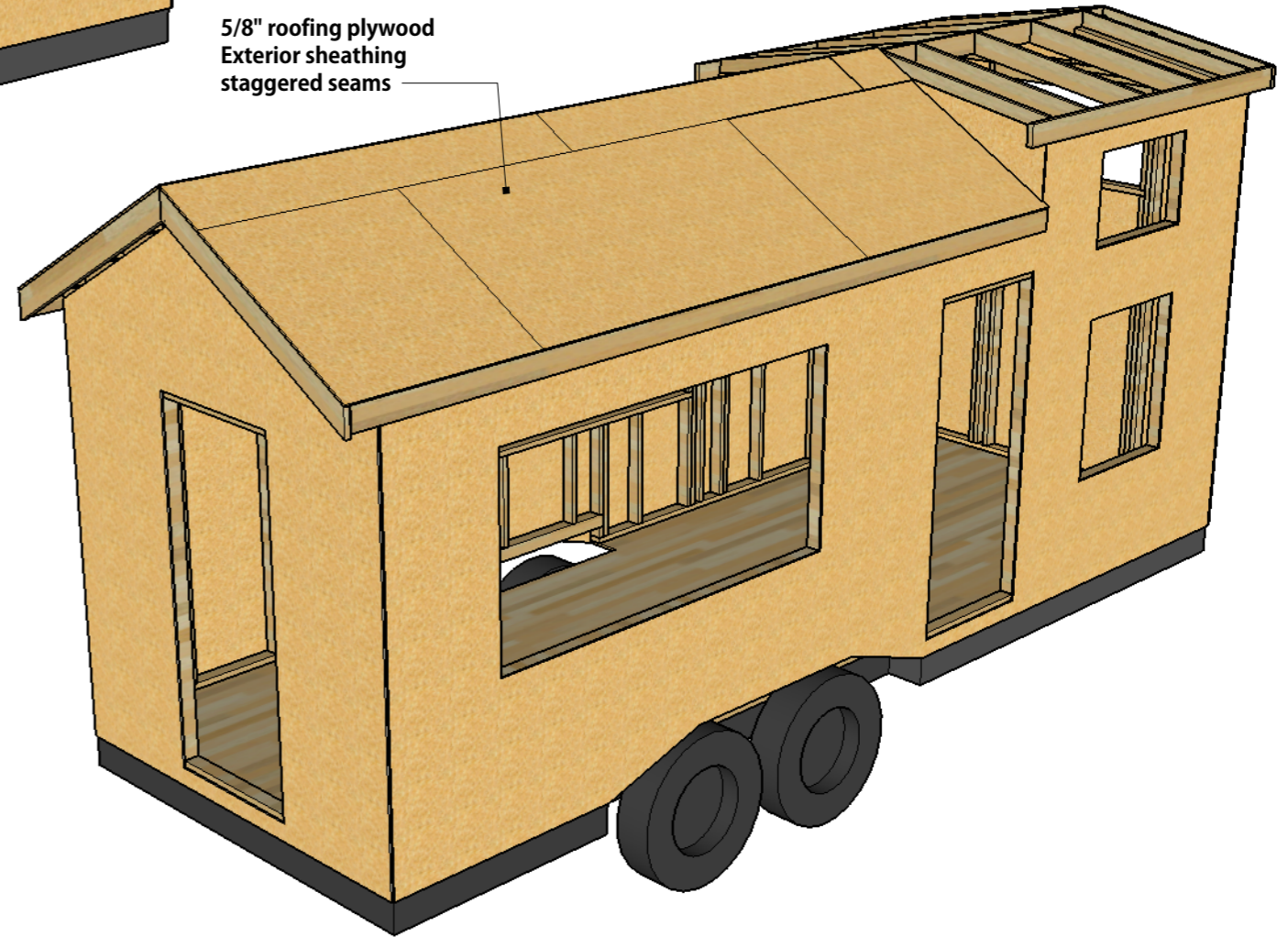
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Eave fascia held down to not overextend past top of roof plane



Dormer fascia angle is 10 degrees off square



both ends cut at 30 degrees of square, ends parallel

Bottom corner may be clipped to complete roof trim out

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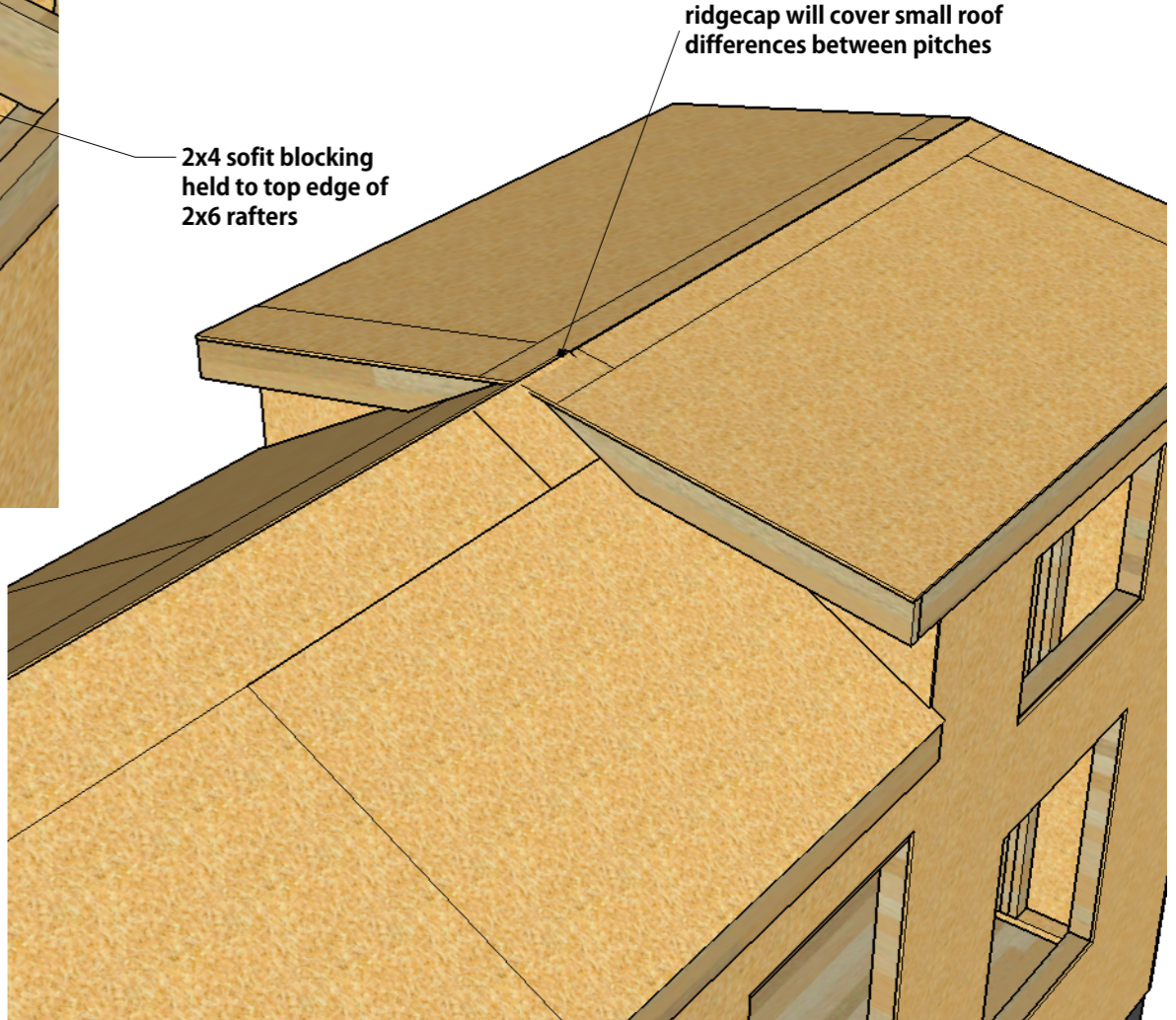
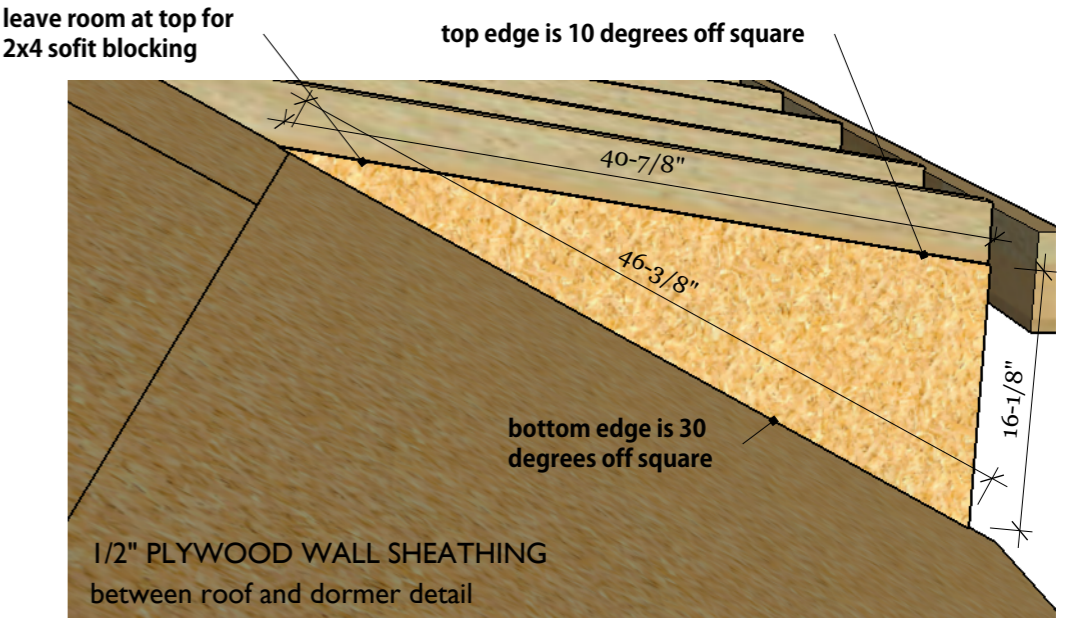
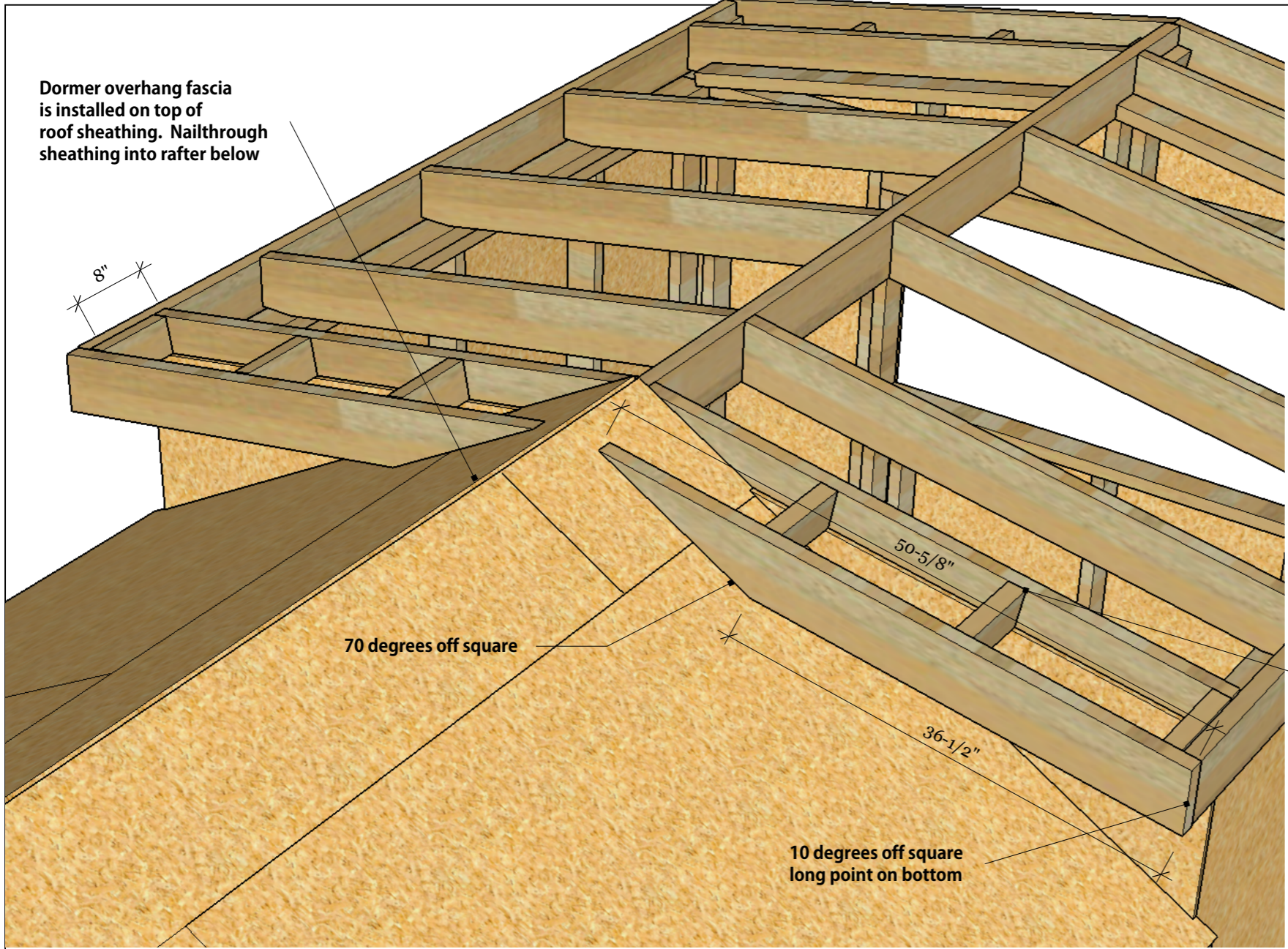
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**Fascia and Roof Sheathing**

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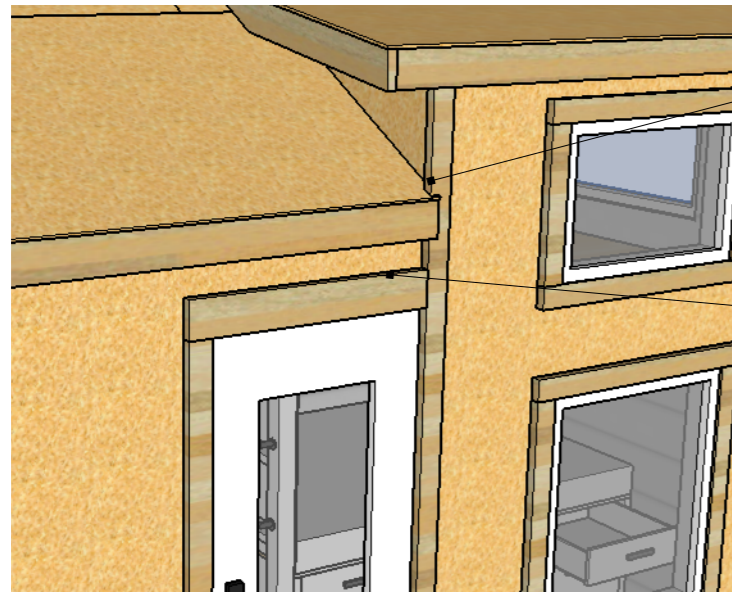


Dormer overhang on inside is framed up on top of main roof.  
 Difference in roof pitches will be covered by roofing ridge cap.  
 Plywood sheathing should be staggered in seams, joints landing on 24" on center pattern studs.

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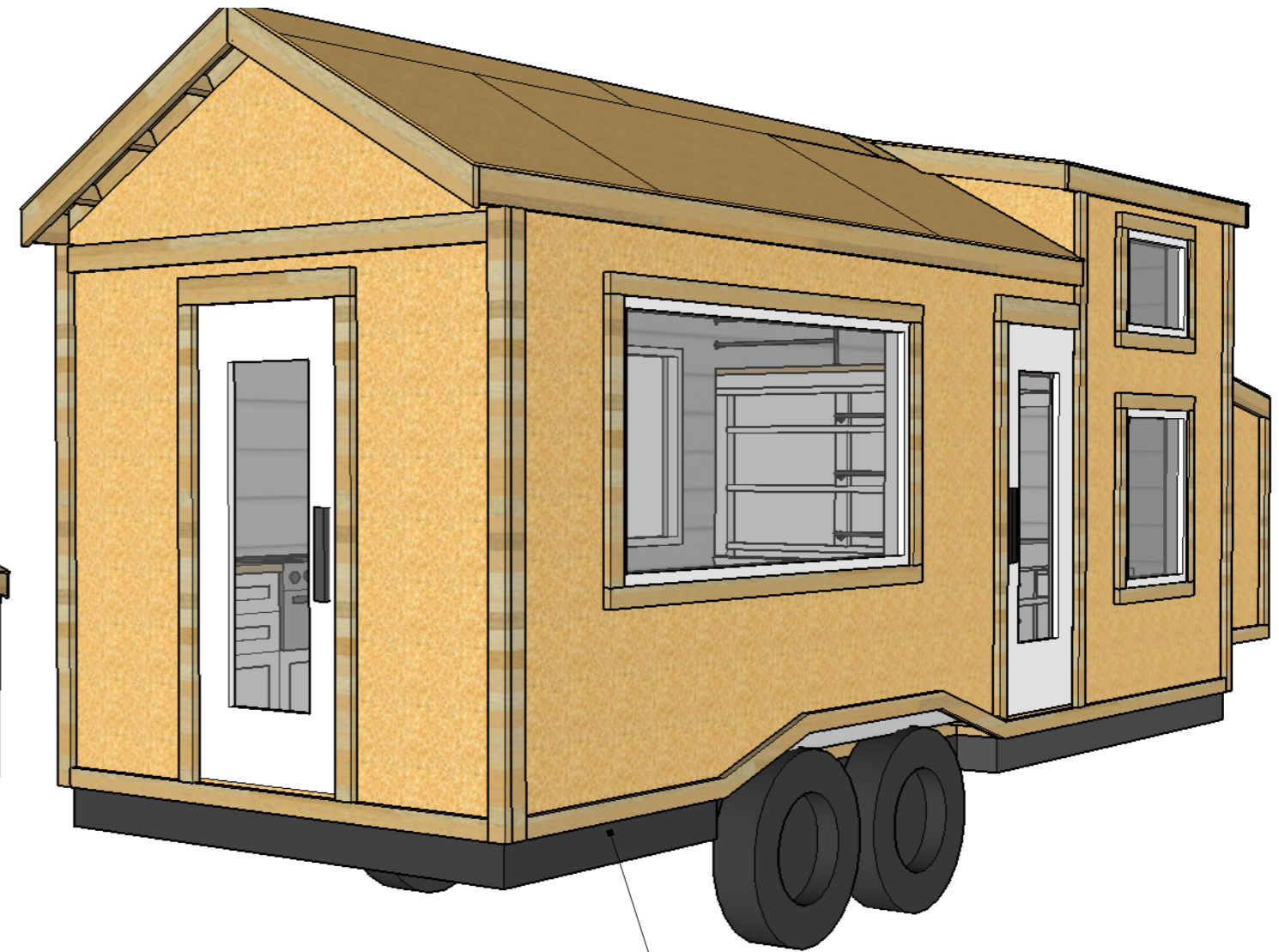
**Dormer Overhang Framing**  
 June 4, 2016



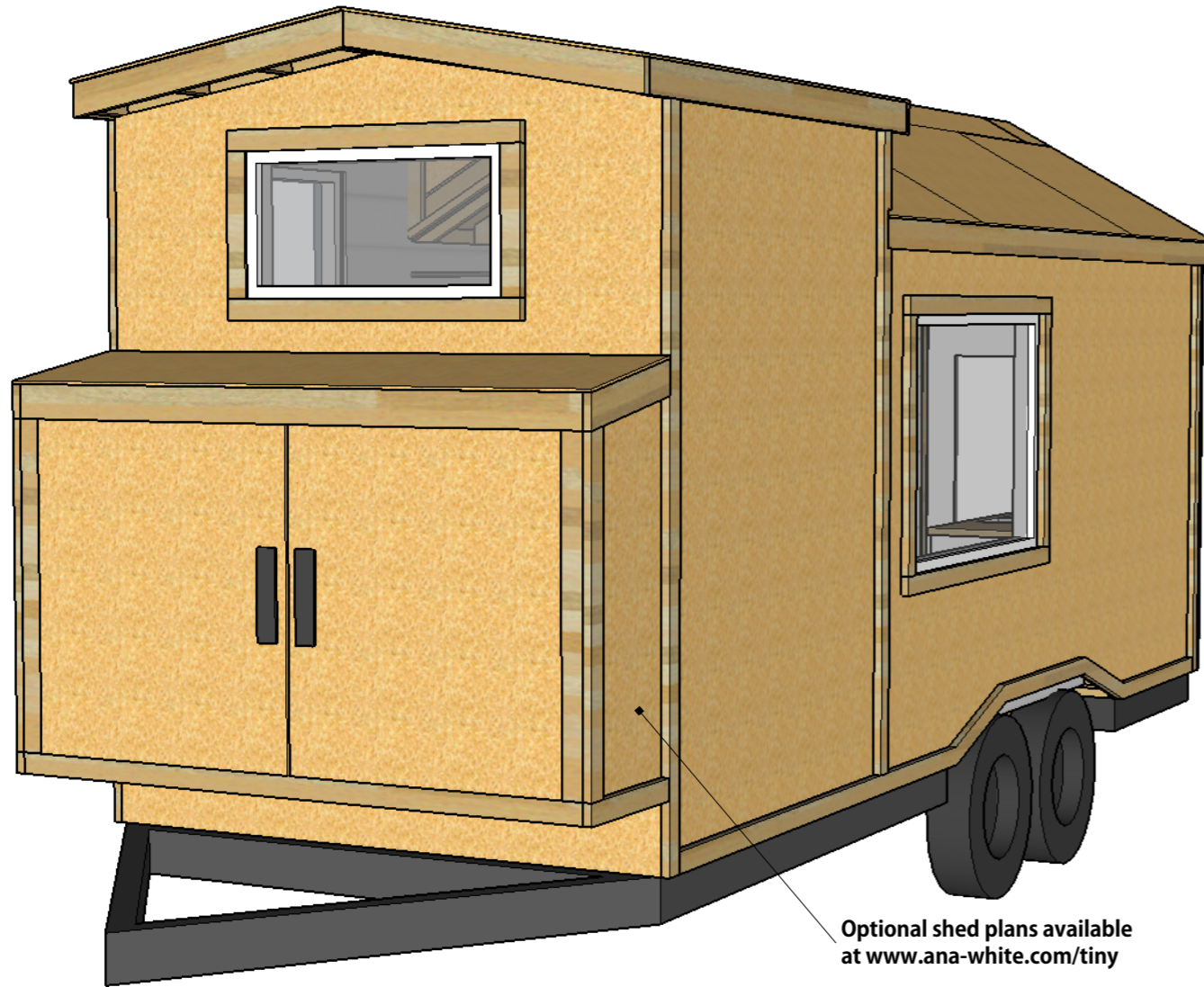
2x4 trim brought flush to edge of door and notched out for main roof eave fascia. This then trims out dormer corner

2x6 trim above door for larger area to attach porch overhang roof too

Install windows, doors and house wrap prior to trim out



Install drip edge flashing over bottom trim if using or omit bottom trim and run siding to base of framing



Optional shed plans available at [www.ana-white.com/tiny](http://www.ana-white.com/tiny)

As shown trimmed out in 2x4 and 2x6 material. Siding can be applied between trim pieces.

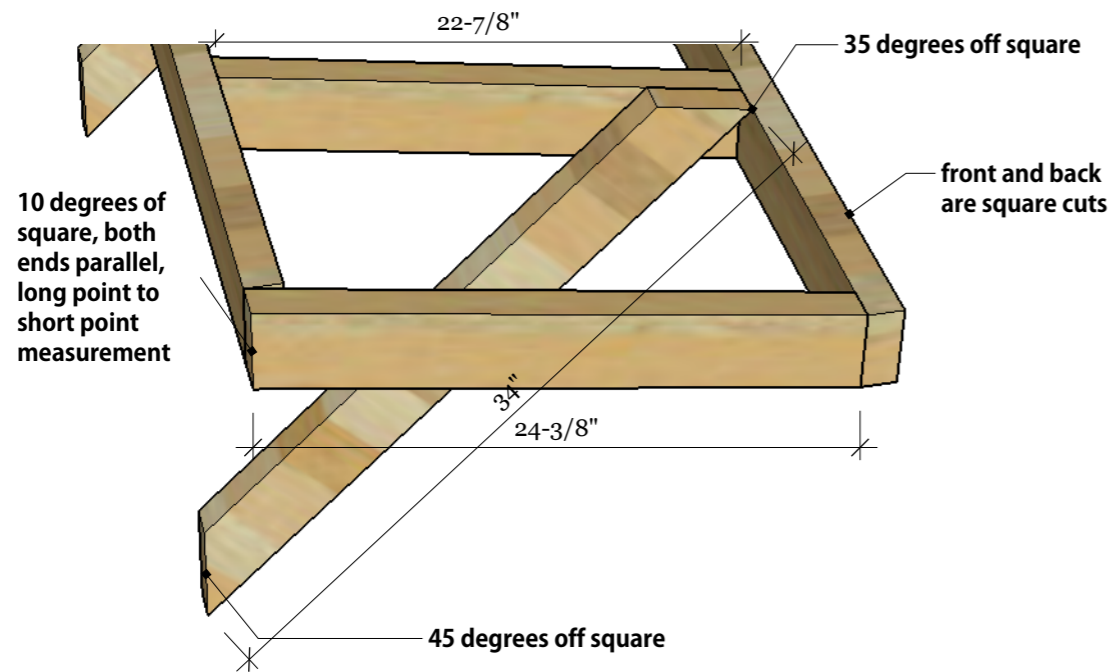
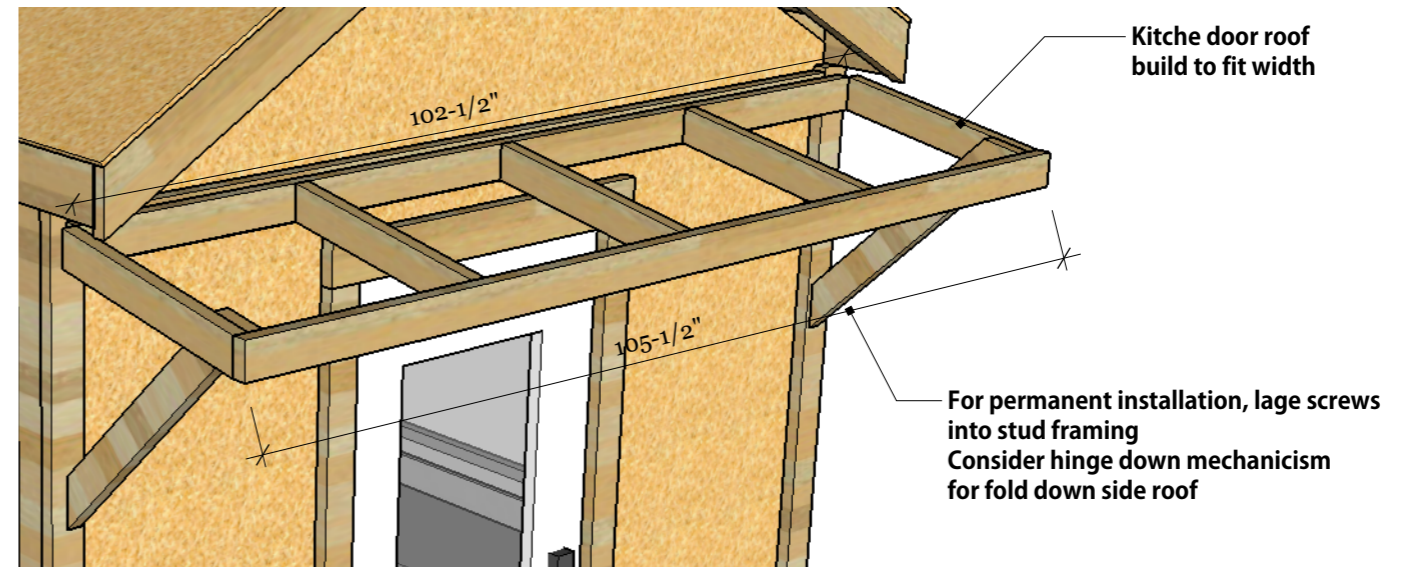
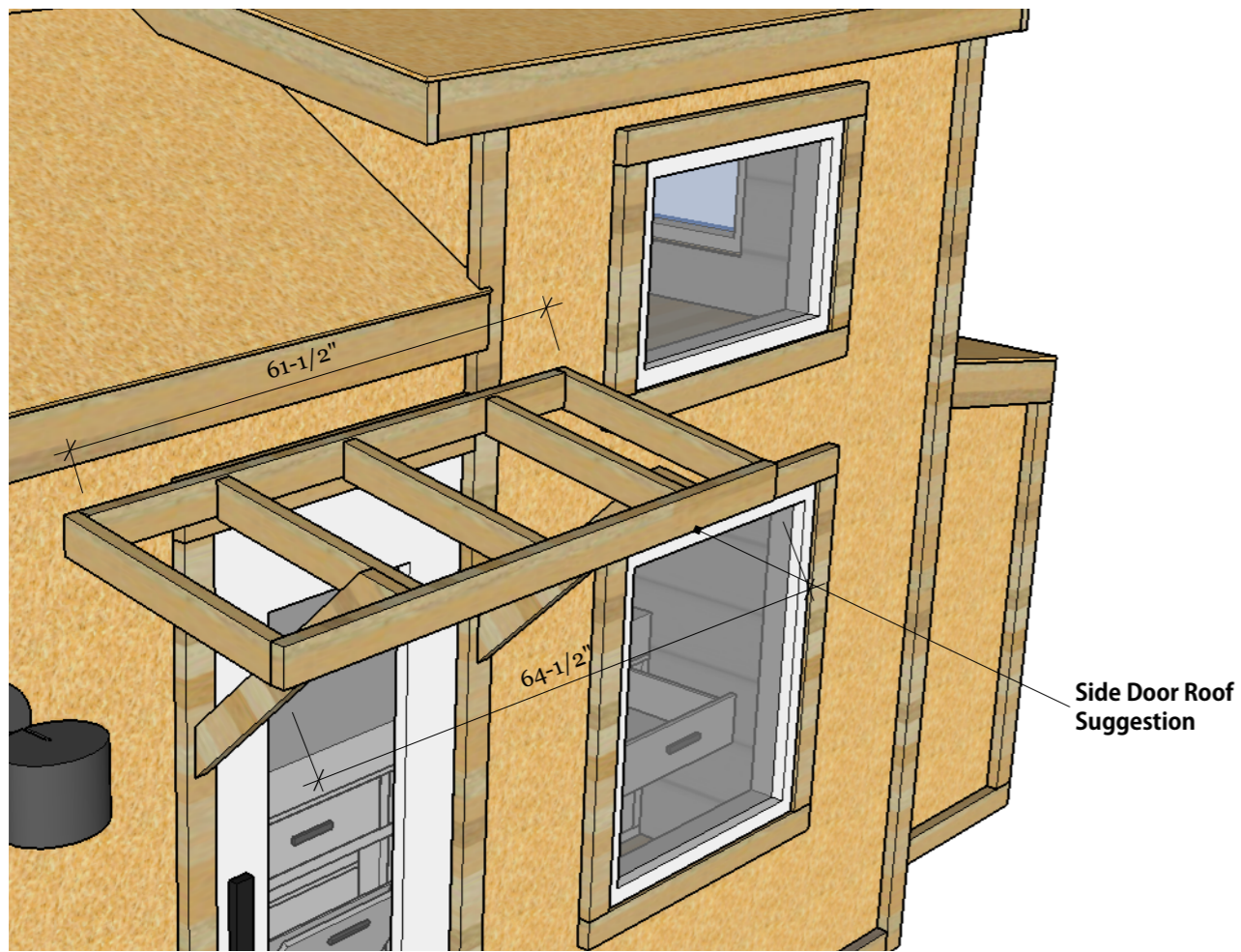
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**Exterior Trim Suggestion**

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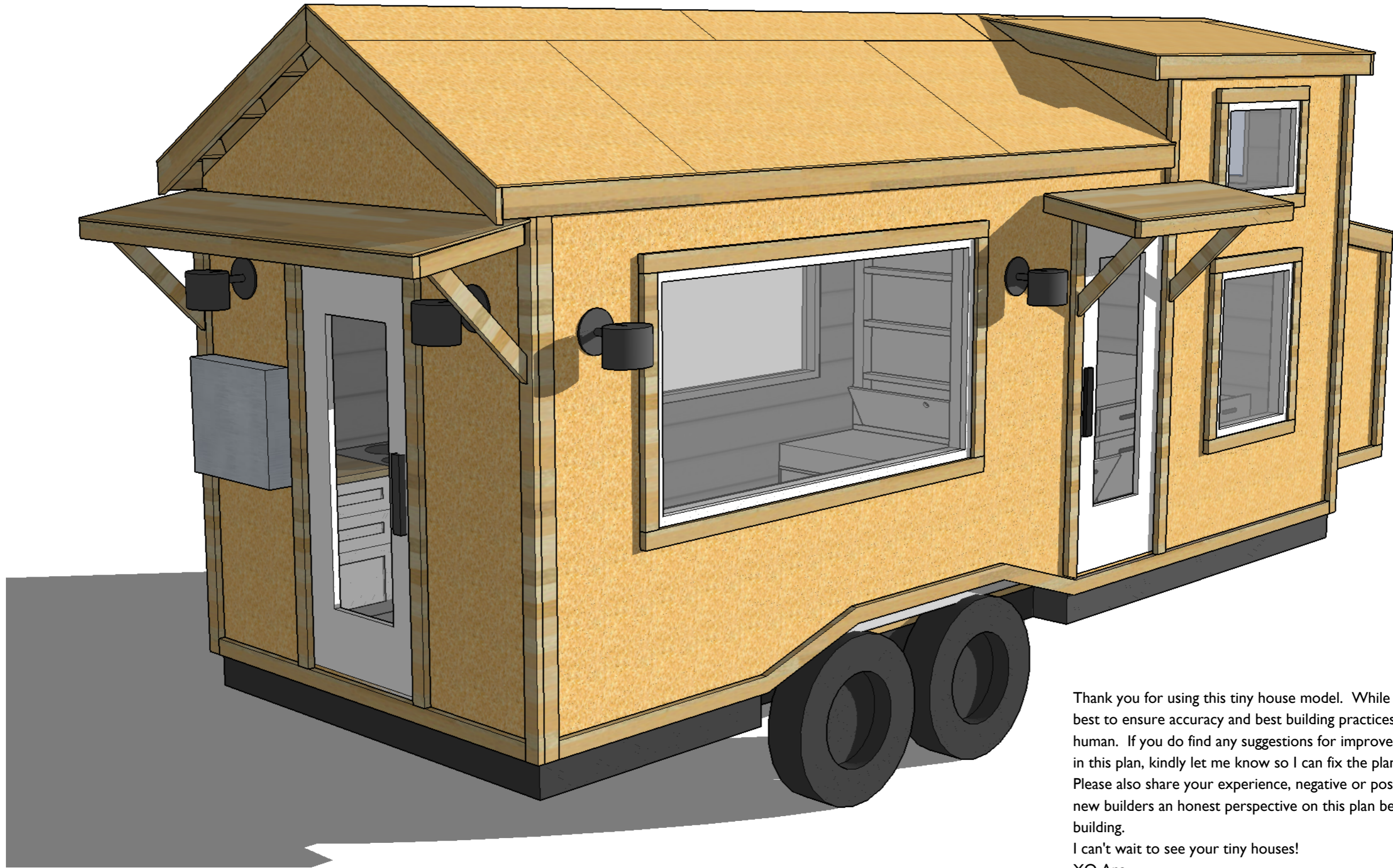


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Porch Roofs

June 4, 2016



Thank you for using this tiny house model. While I have done my best to ensure accuracy and best building practices, I am only human. If you do find any suggestions for improvement or errors in this plan, kindly let me know so I can fix the plans. Please also share your experience, negative or positive, to give new builders an honest perspective on this plan before they begin building. I can't wait to see your tiny houses!  
XO Ana

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