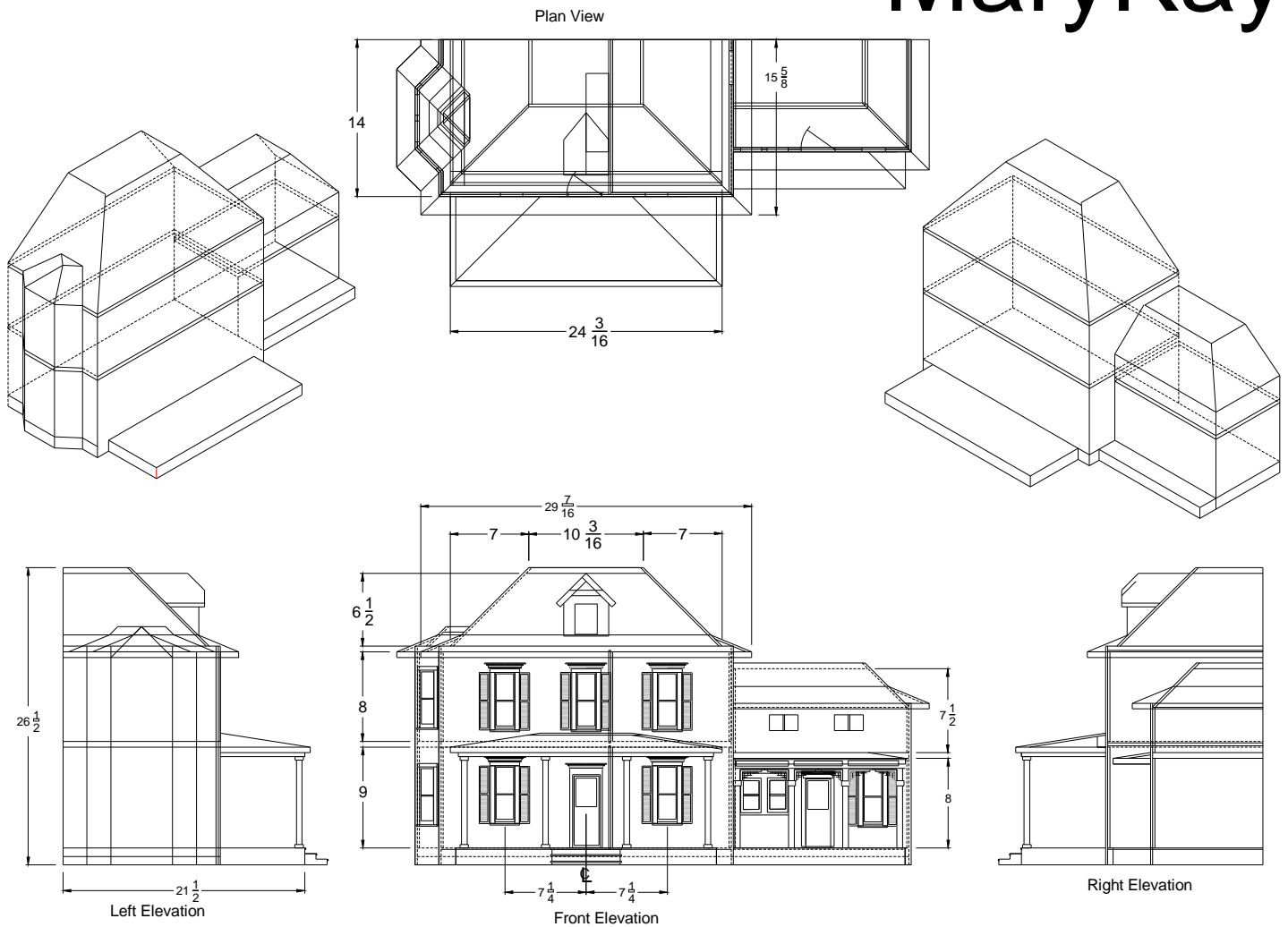


MaryKay



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revised 06-08-06

designed for DollHouseDesigns.COM

MaryKay

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designer : Jon Lash date: 02-12-01
e-mail: jon@dollhousedesigns.com

the MaryKay[®]

The MaryKay was designed, by request, from photographs of the original built in rural Iowa around 1880. The house features a double pitch hip roof, a dormer, bay window and large porches. These features were captured in the doll house: in addition, the living room and dining room have 9' ceilings, a step-down 2nd bedroom and a full attic. The plans for this doll house shell include all wall, floor, roof, and stair cutting and assembly drawings. Only major assembly sequences are suggested.

PLANNING: You've selected the style of house you want to build. Without realizing it, you may have already made several other decisions that are critical to the construction process. The most critical are: will you build the plans or modify them?, how will you finish the exterior walls?, what type of roof covering will be used?, what style of windows will be used?, manufactured or homemade?, will the floors be hardwood or covered?, ceilings painted or plastered?, and will the house be wired for lights?

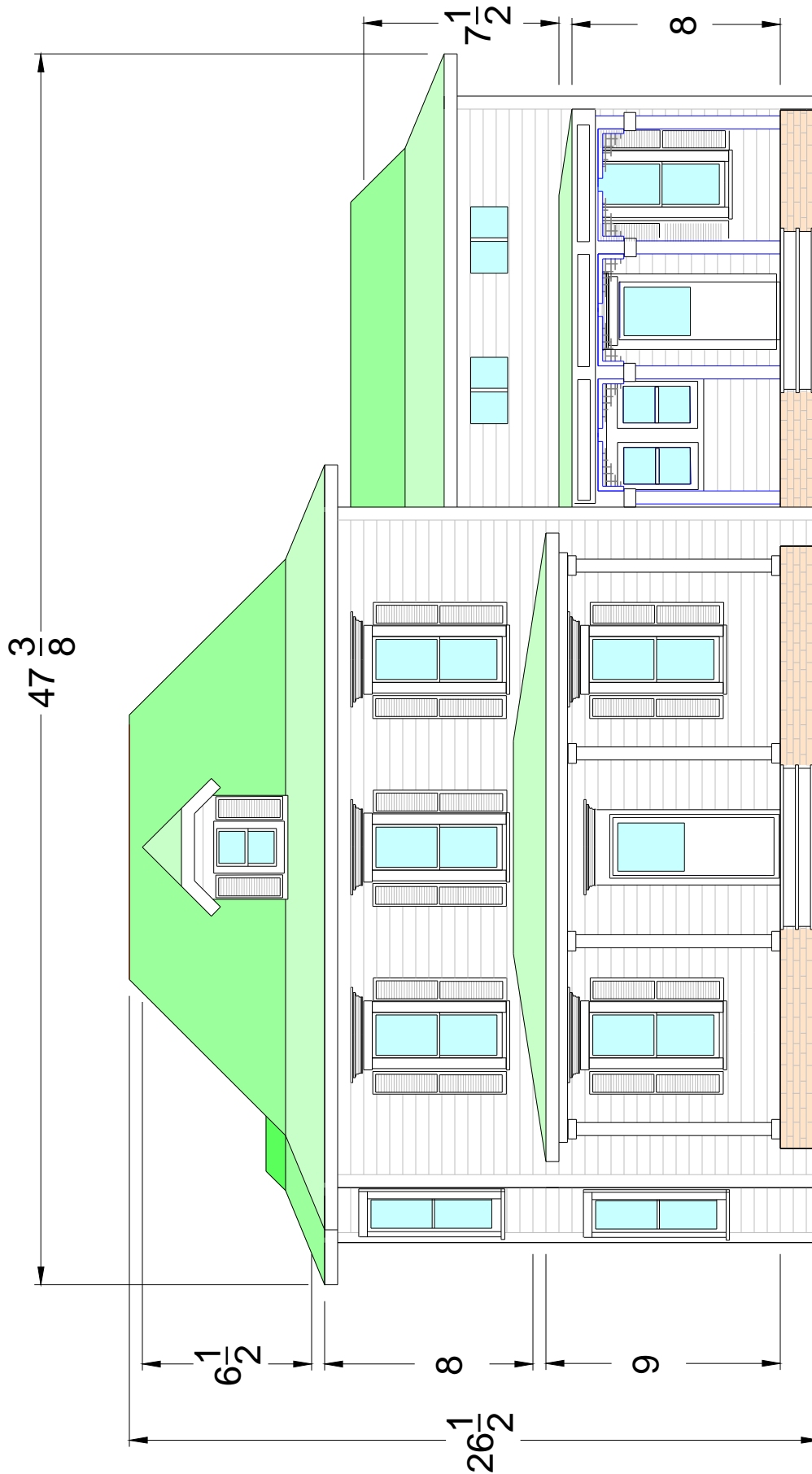
OVERVIEW: This PlanSet is designed with the experienced woodworker in mind. There are many cut and formed dados, and bevels of different angles. The plans are designed with 3/16, 1/2 and 3/4 inch cabinet grade plywood (not veneered chip board). If you cannot purchase 3/16 plywood, then 5mm can be substituted. Many of the dimensions are accurate to 1/32". That accuracy is needed for design purposes; cut the panels slightly over size and sand to fit.

The project pieces will be cut full, assembled, hand trimmed for fit and alignment, and then disassembled. Assembly and disassembly is needed several times as different stages are completed. When all Wall Panels (Inner and Outer) and Floor Panels are properly aligned, the Inner and Outer Panels are laminated together. Next the openings for the doors and windows are cut out, followed by finishing of Floors and Ceilings and then the final, glued, assembly of all Walls and Floors.

MATERIALS: 3/4 Cabinet grade plywood - 24 x 48 (1 quarter sheet):
1/2 Cabinet grade plywood - 48 x 48 (1 half sheet):
3/16 (5mm) Cabinet grade plywood - 1 full sheet plus 1 quarter sheet.
1 x 4 x 96 clear white pine
48 - #6 x 3/4 sheet metal screws for the Temp. assembly
48 - #8 x 3/4 flat head wood screws, phillips head

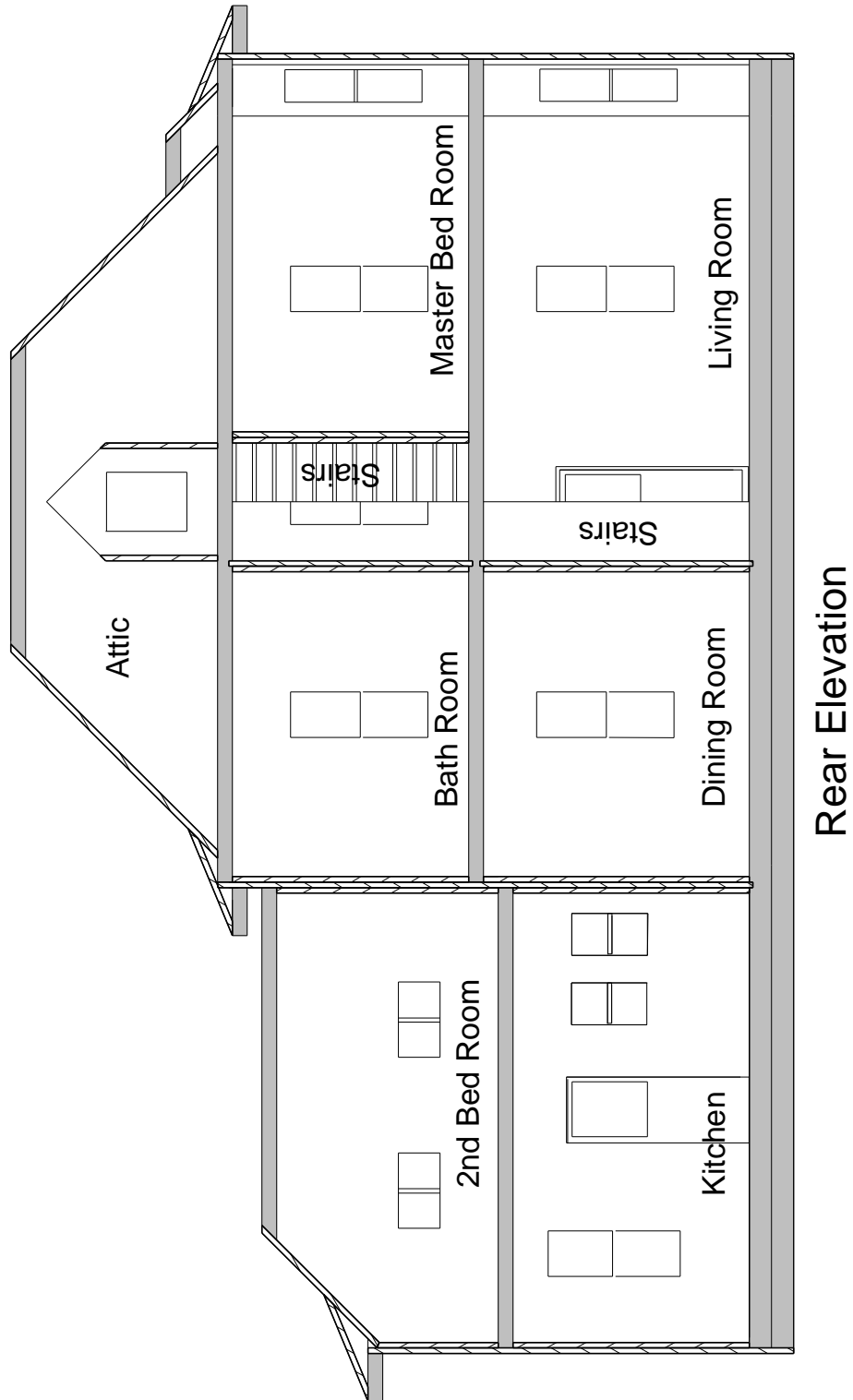
If some floors will be finished hardwood, select the 3/4 and 1/2 plywood with straight, tight grain. The thickness of the siding will determine the depth of windows to be ordered or made. Floors and ceilings need to be finished after fitting and trimming of panels and immediately before final assembly.

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Front Elevation

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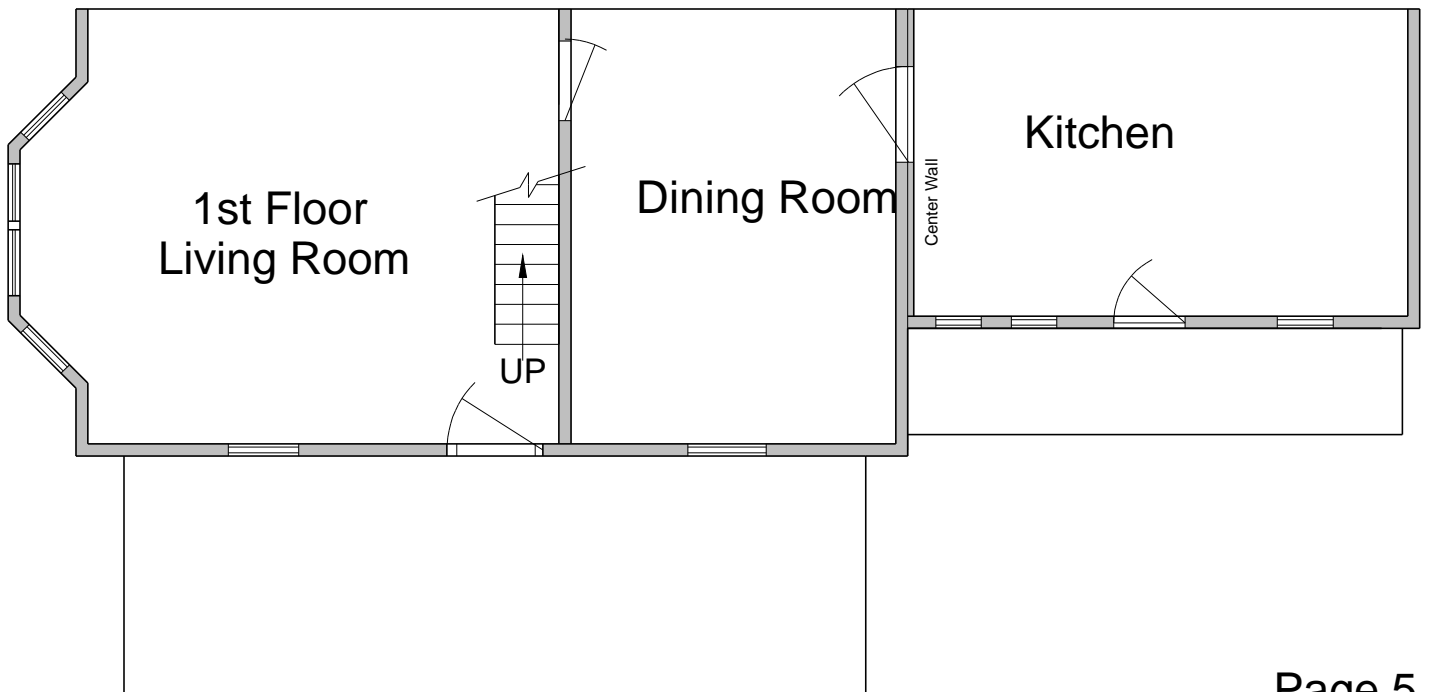
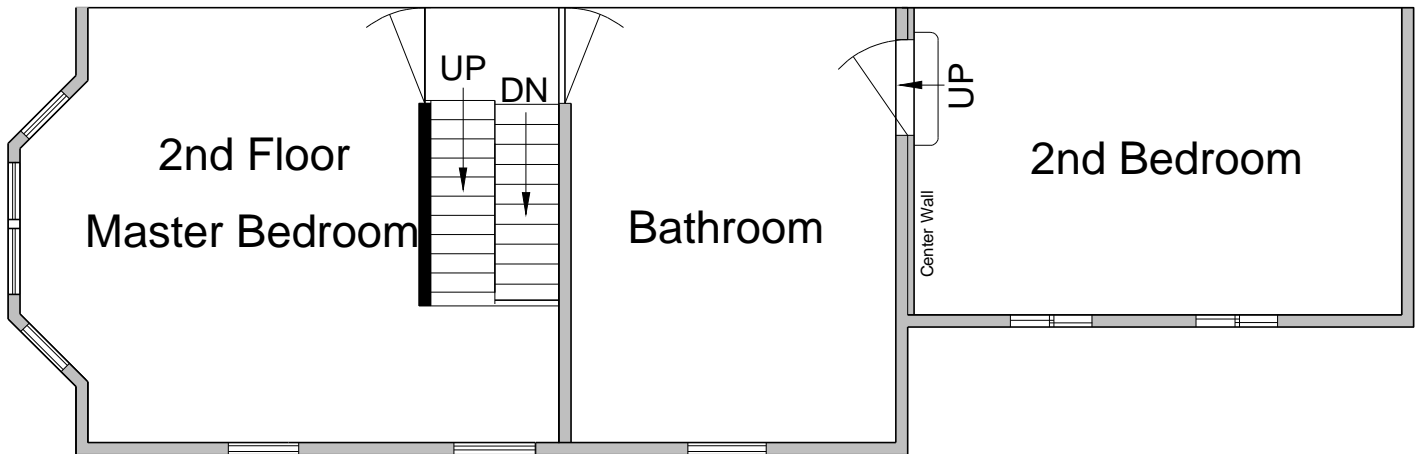
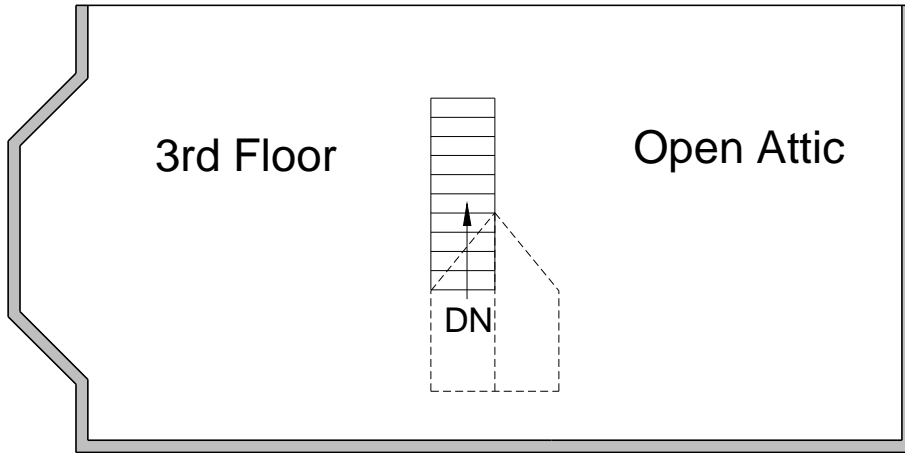


Right Elevation

Left Elevation

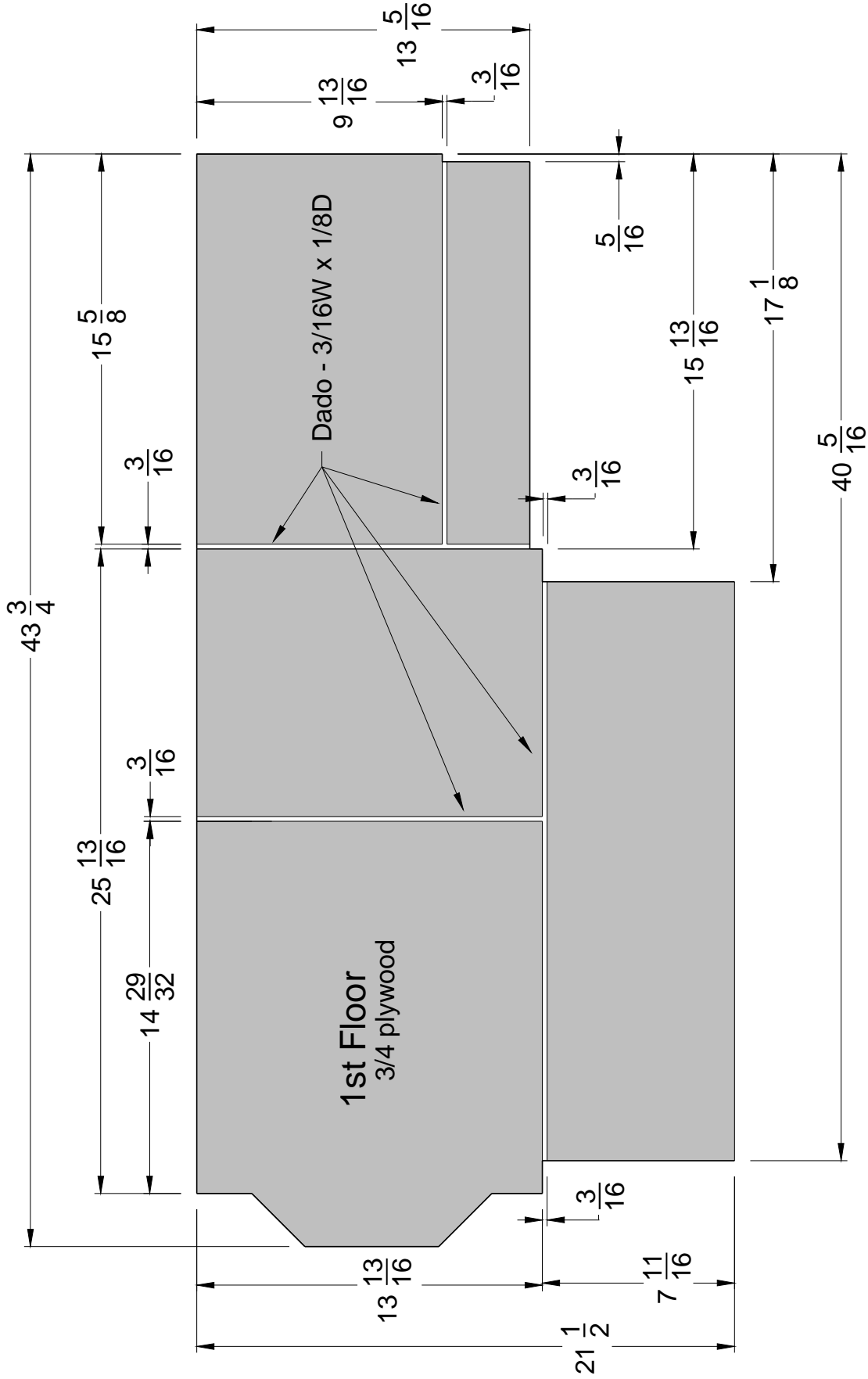
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Floor Plan



1st Floor Cut & Dado

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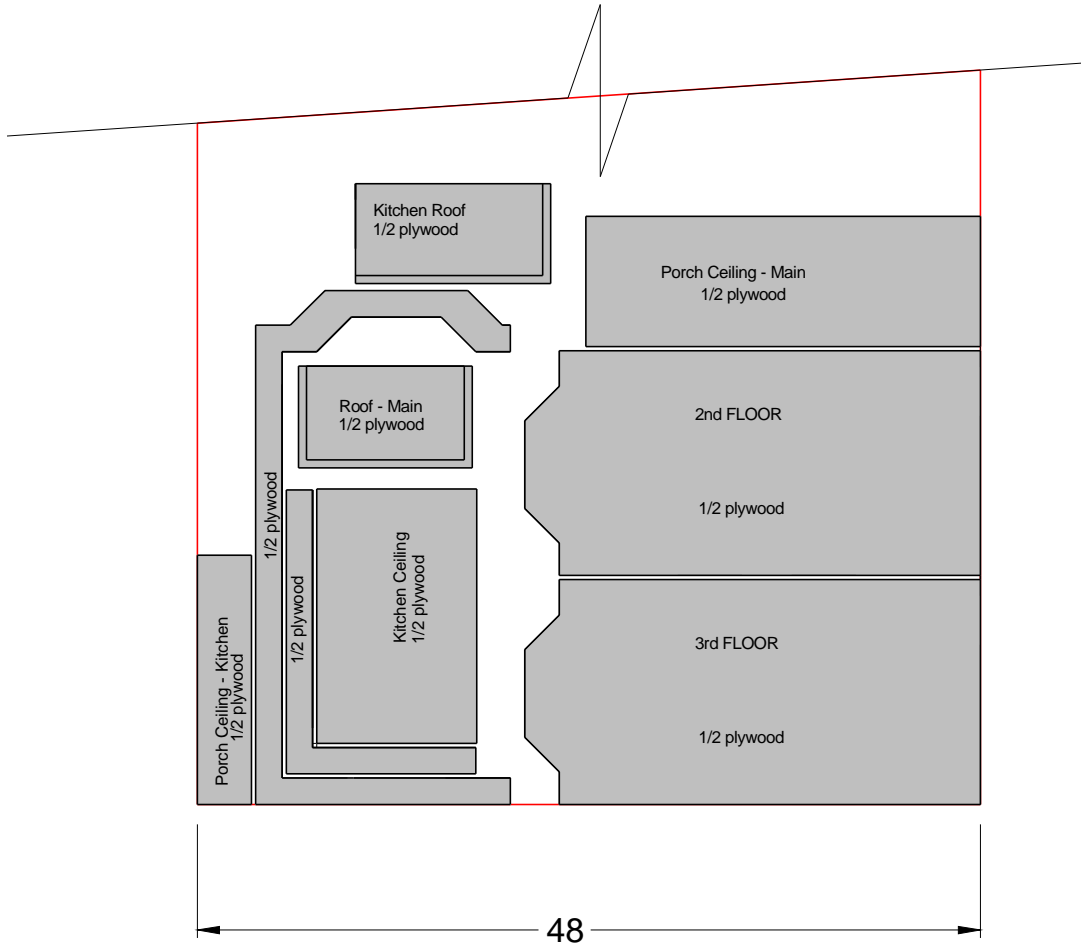


Refer to 2nd Floor for Bay Window cuts.

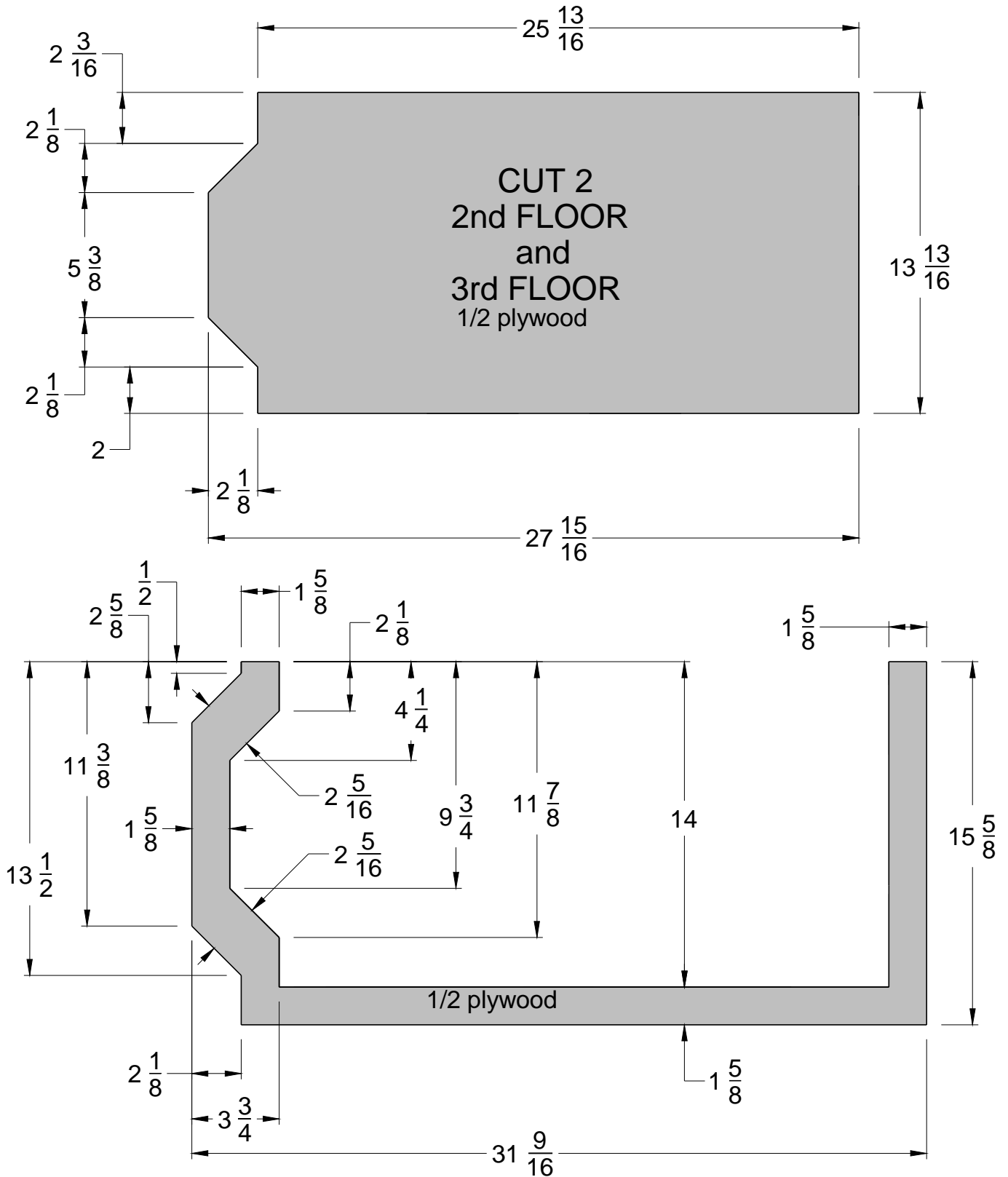
Place a 3/4" foundation under the 1st Floor. The foundation can be 3/4" plywood cut to the same shape or it can be cut from 1 x 4 pine. Be sure that outside shape exactly matches the 1st Floor.

1/2 Plywood Cutting Guide

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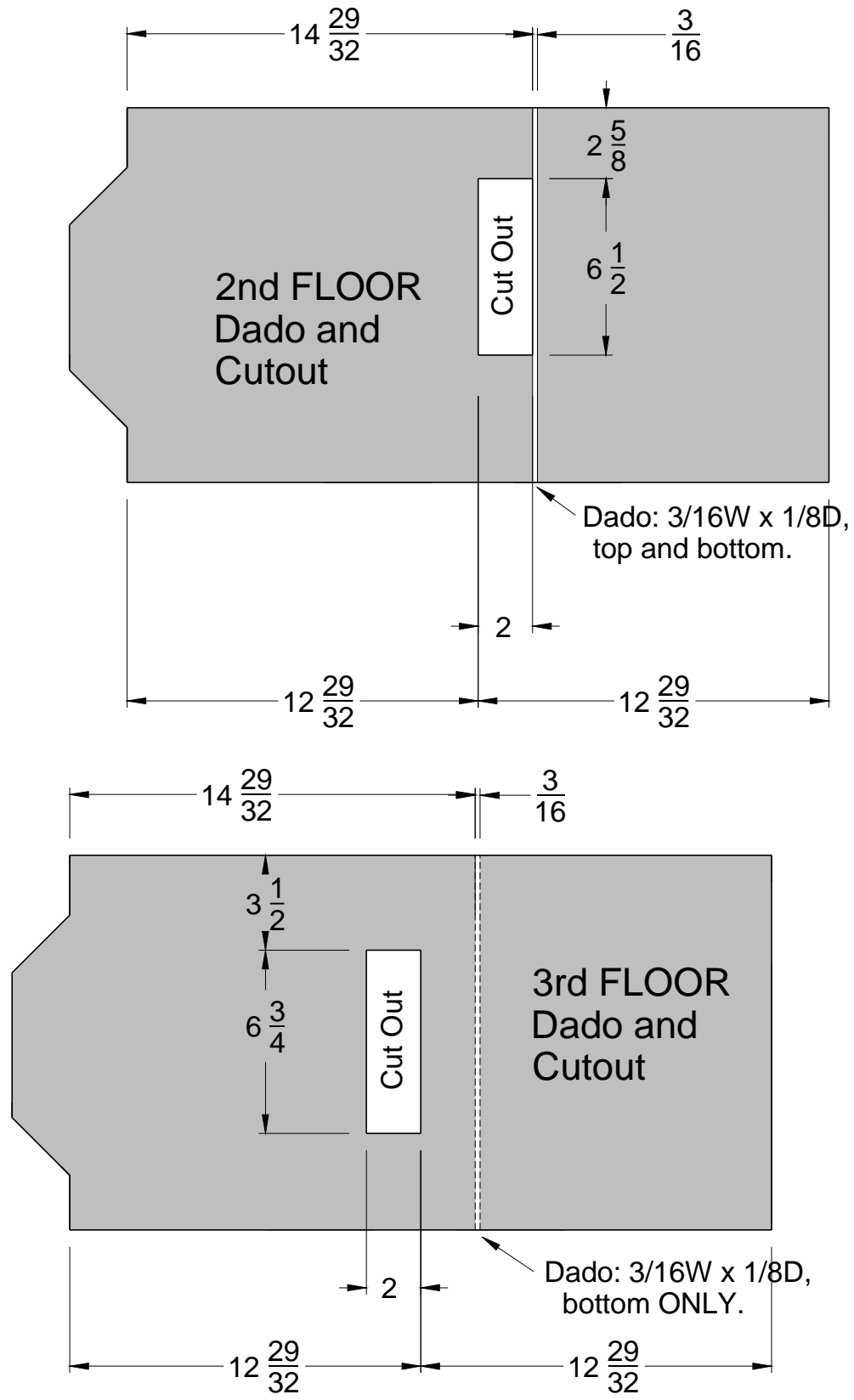
Floor & Eve



NOTE: Check accuracy of layout by placing 3rd Floor over Eve Panel. A Wall Panel (3/16 or 5mm) should fit between the Eve Panel and 3rd Floor on all sides.

2nd / 3rd Floor Dado

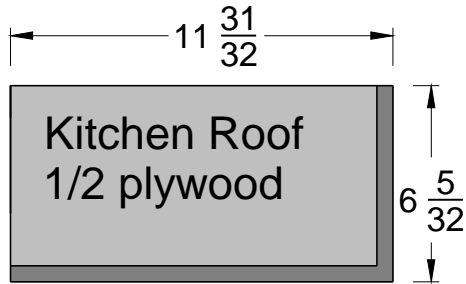
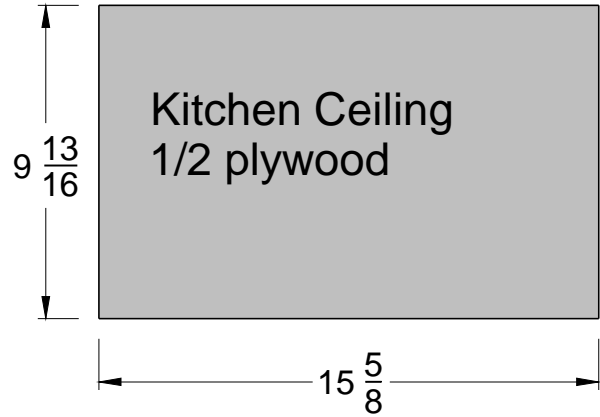
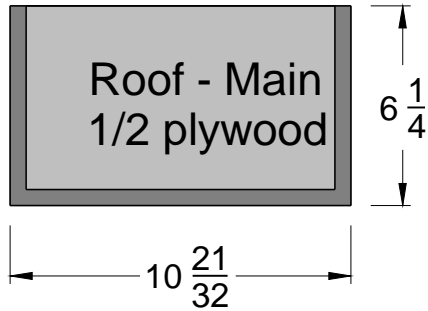
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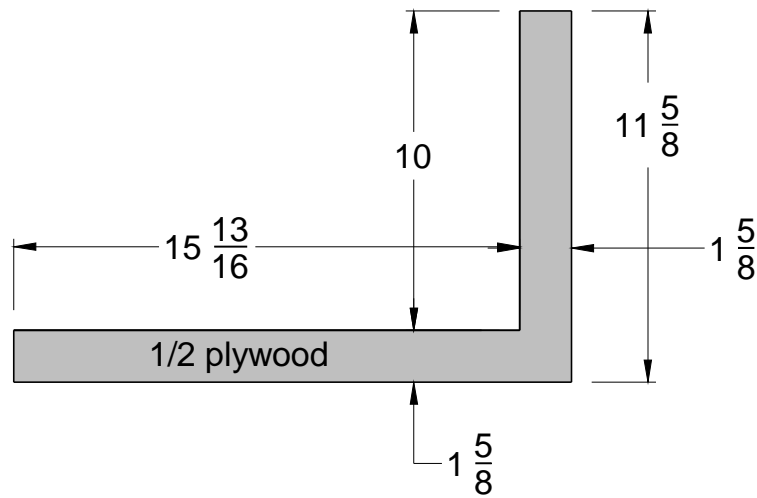
Roof & Eve

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Bevel to 45°, 3 sides

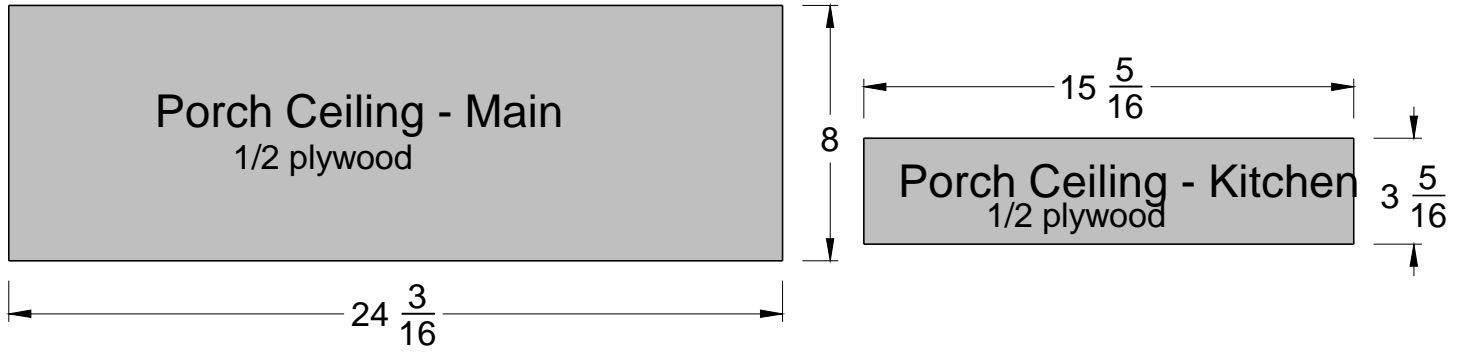


Bevel to 45°, 2 sides

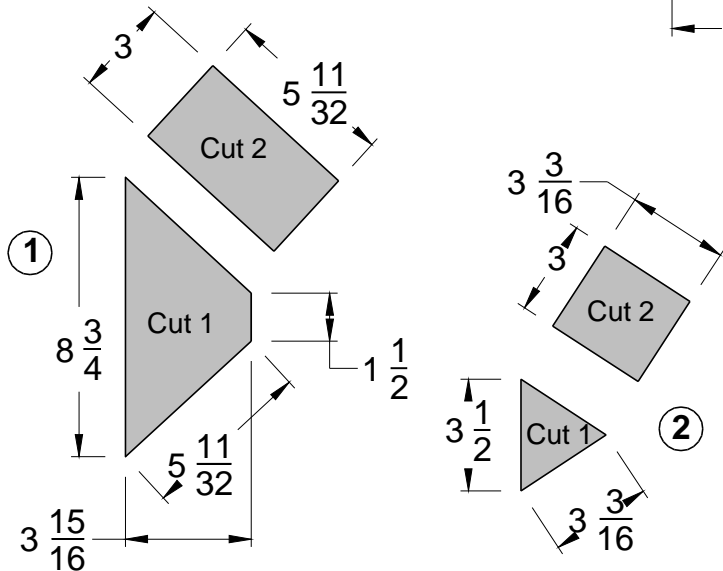
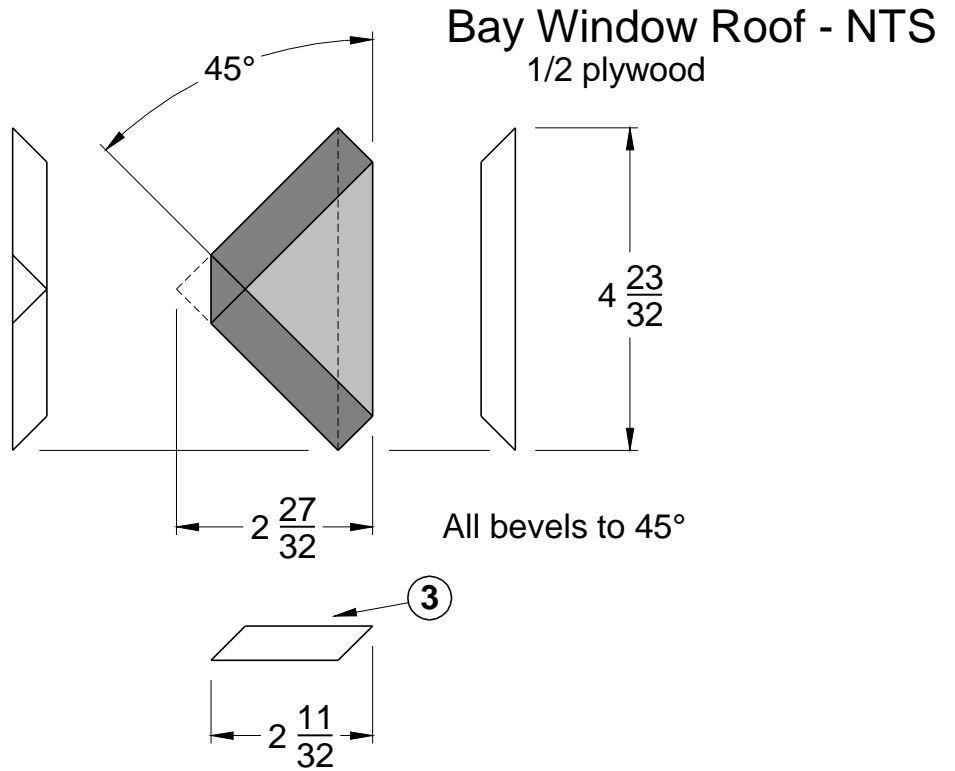
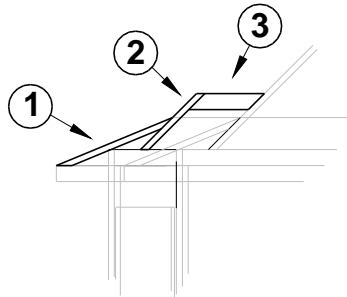


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Porch Ceilings



Bay Window Roof

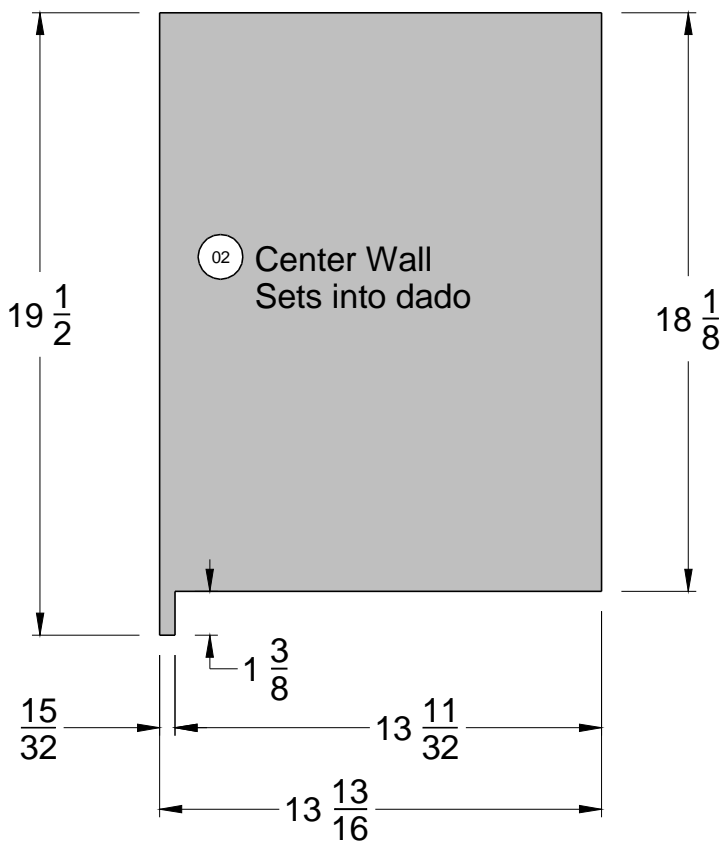
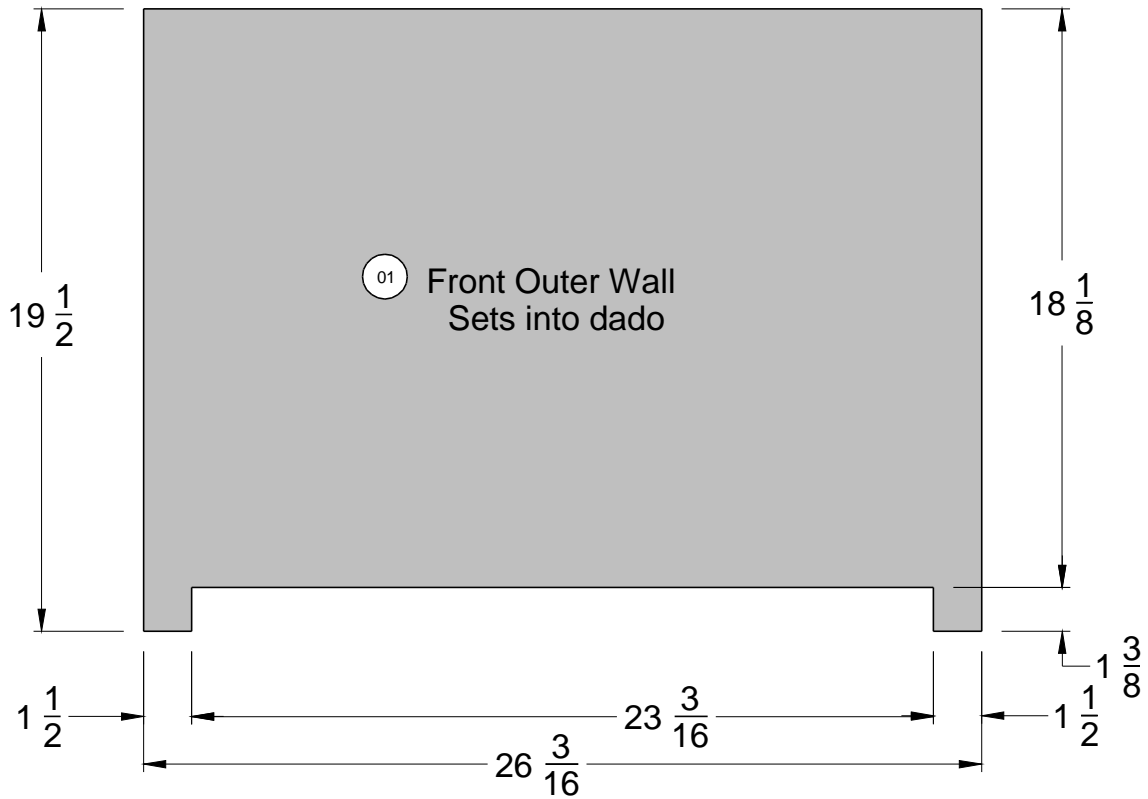


NOTE: Bay window Roof Panels may require considerable fitting for good alignment. Remember, however, the shingles will cover up a lot of oops ;o)

Bay Window Roof Panels

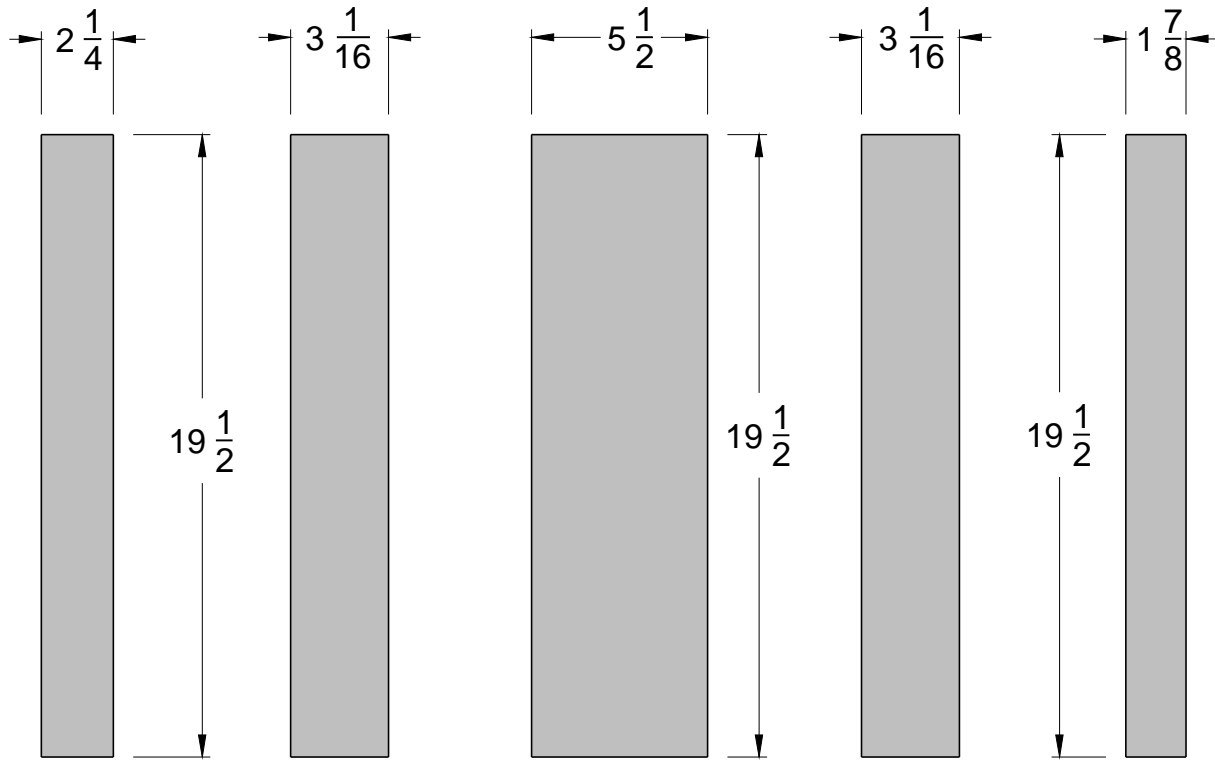
Outer Wall Panels

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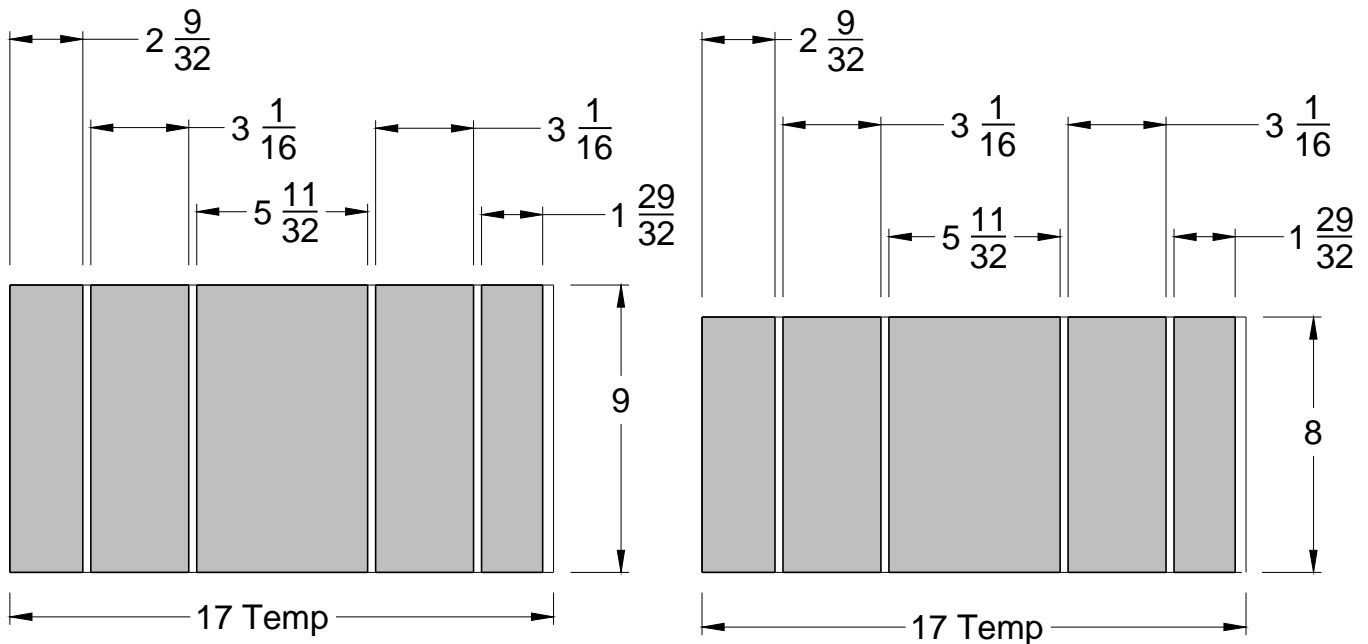


Bay Window

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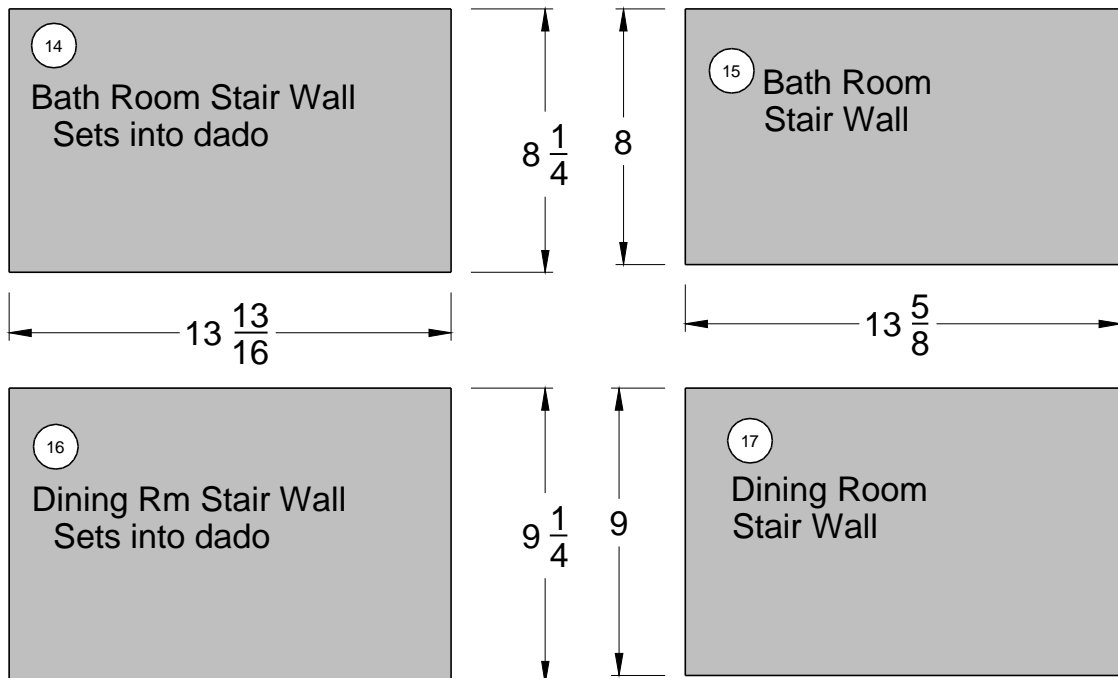
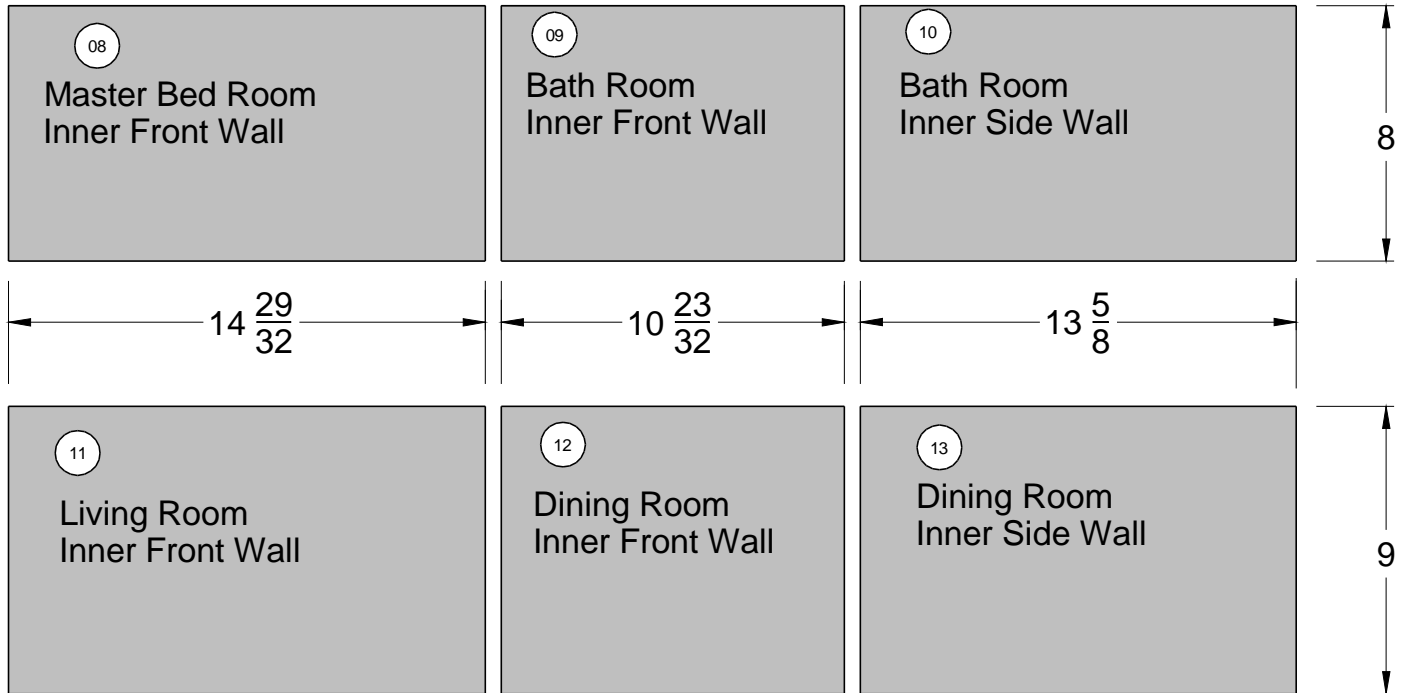
Left Side/Bay Window Outer Wall Panels



Left Side/Bay Window Inner Wall Panels

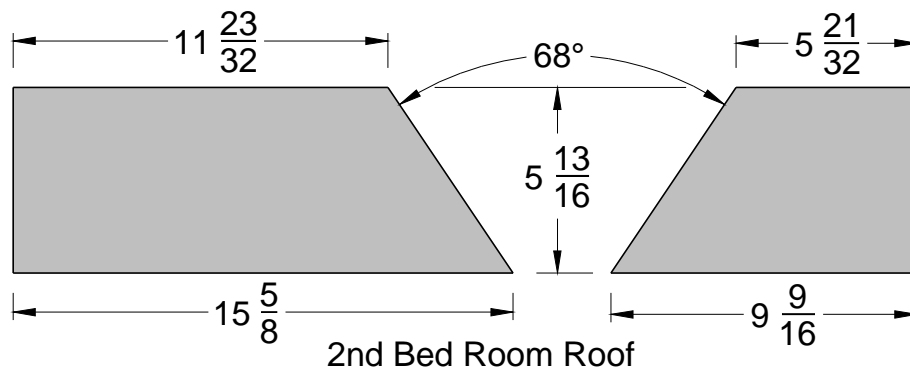
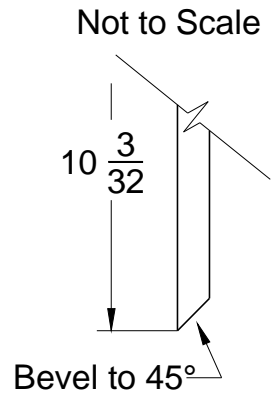
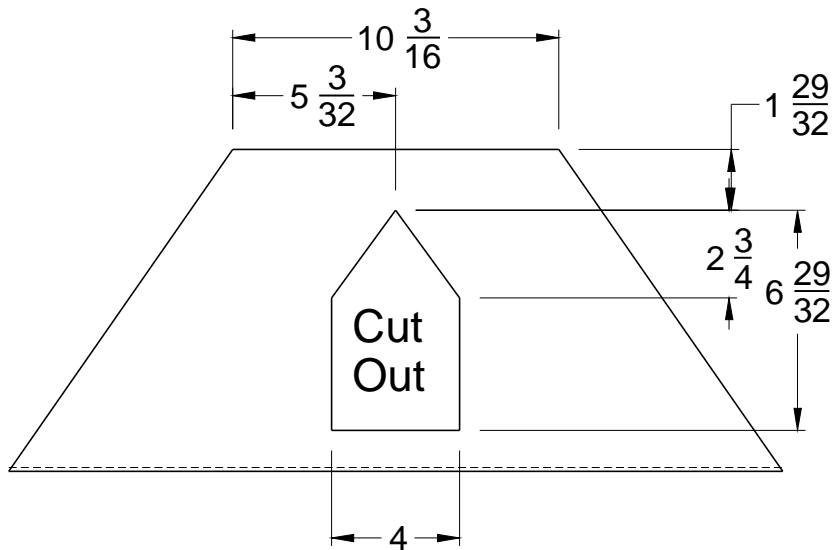
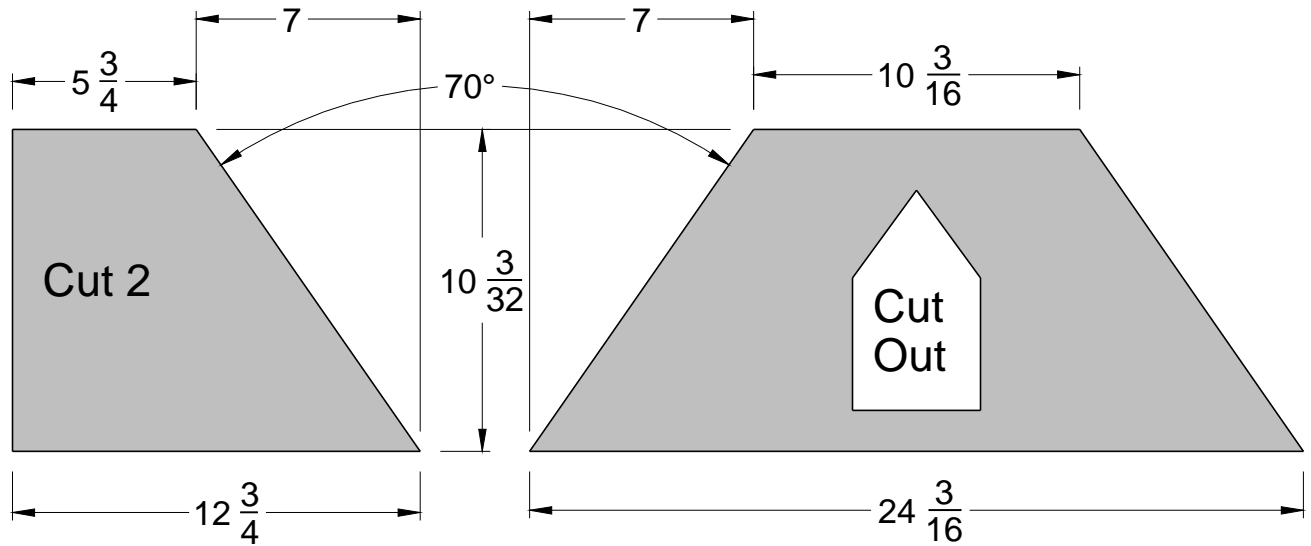
17 Temp: temporary spacer until 2nd and 3rd Floors have been secured with temp screws. After proper alignment of Floors, cut these two panels to sizes shown.

Wall Panels



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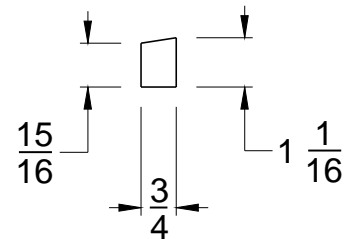
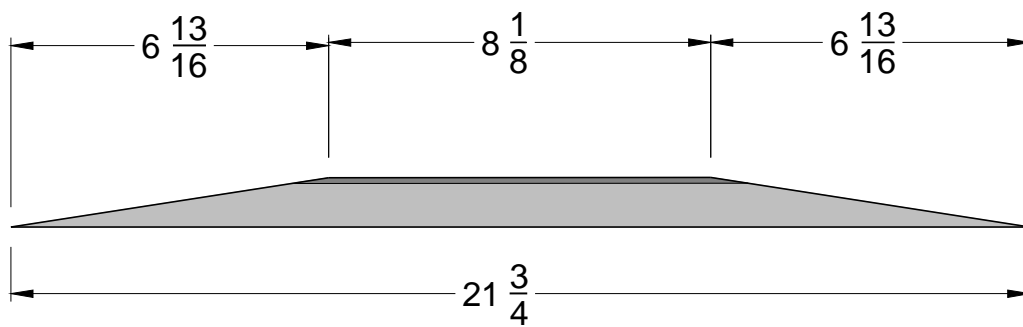
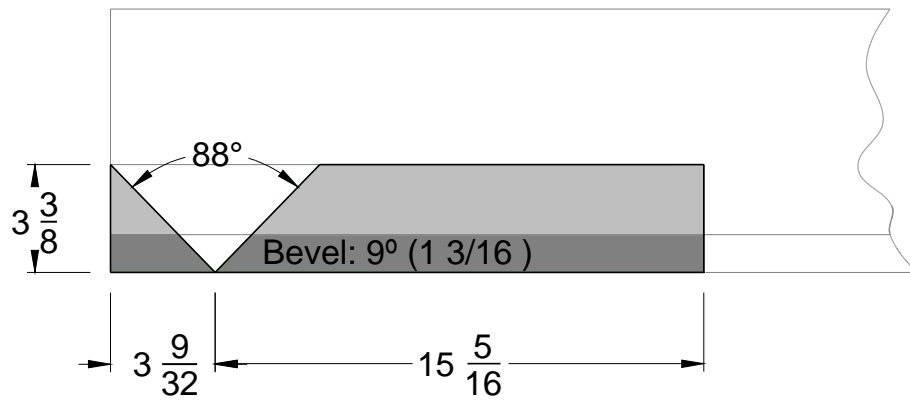
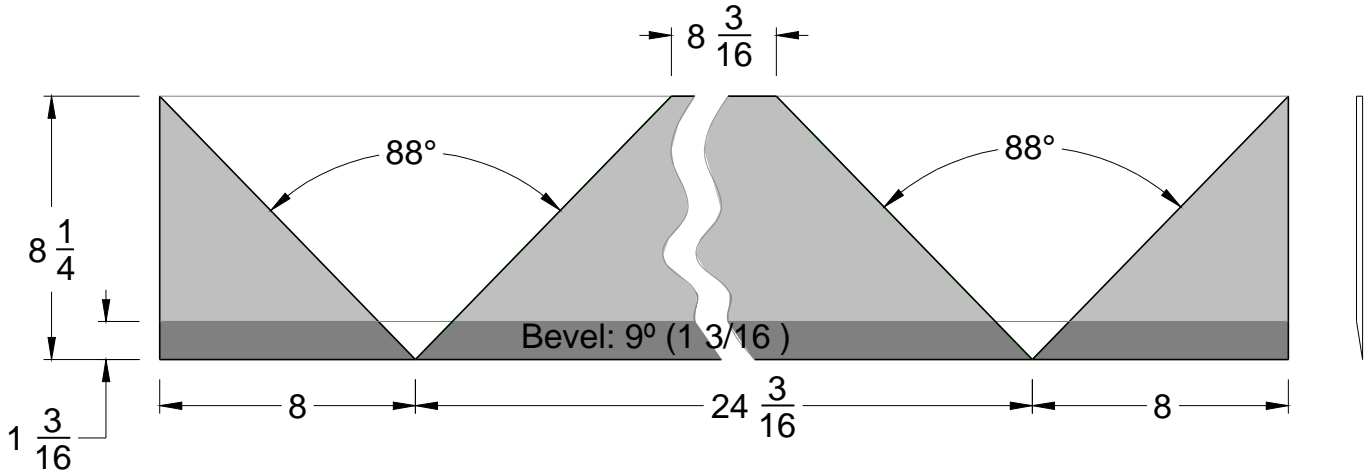
Roof



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Porch Roof

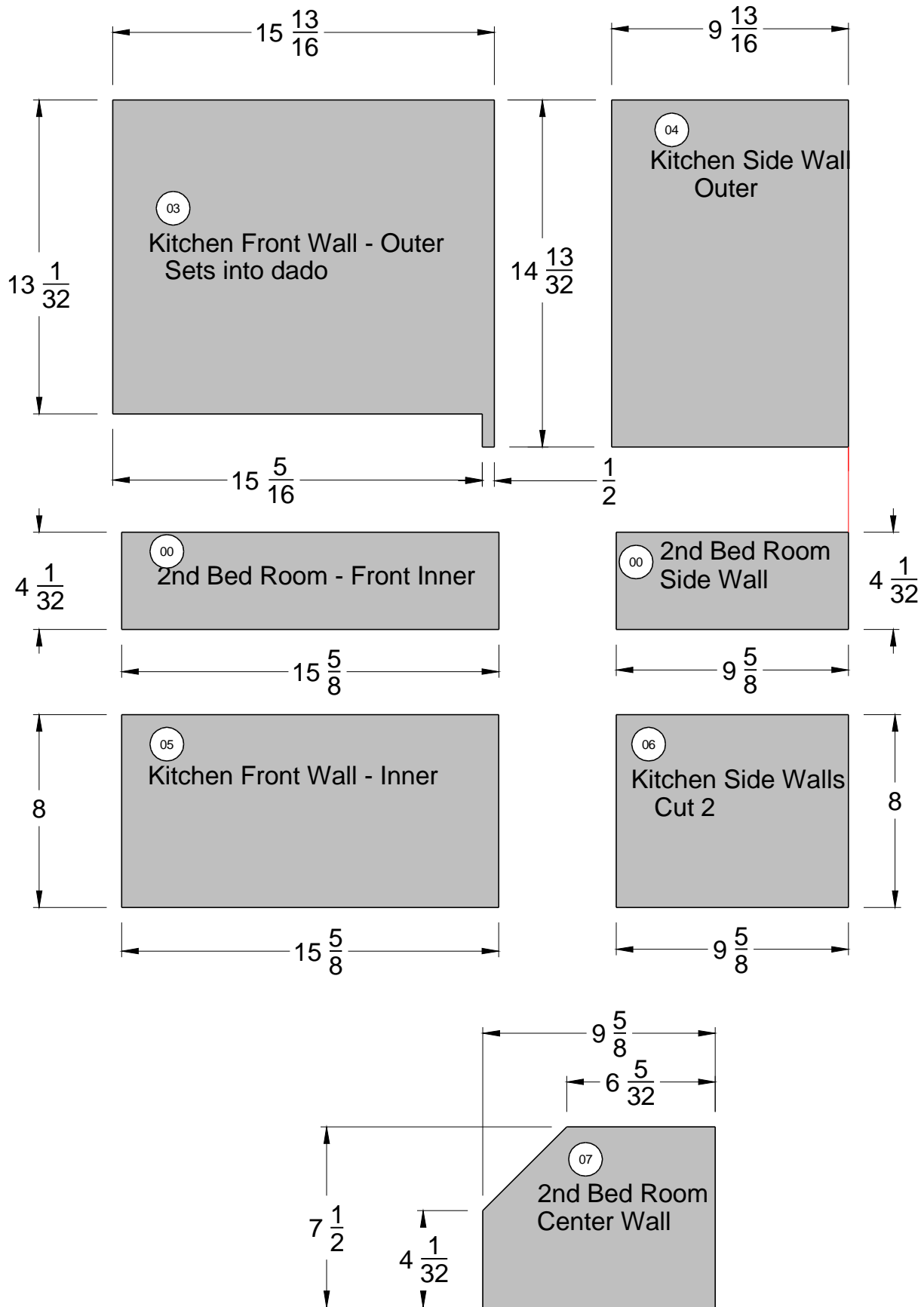
Porch Roof - 3/16 x 8 1/4 x 70" - one edge
beveled to 9%, full length



Porch Roof Stringer - NOT TO SCALE

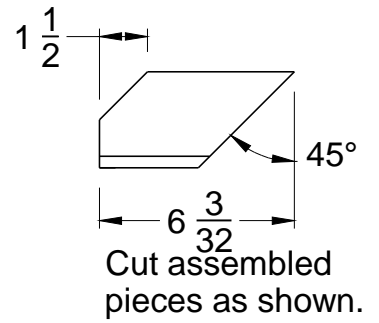
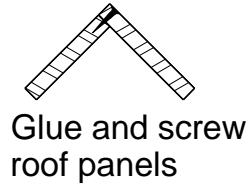
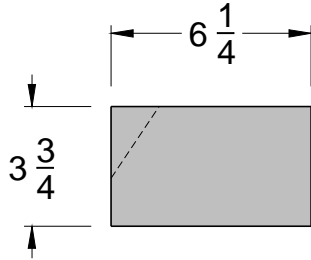
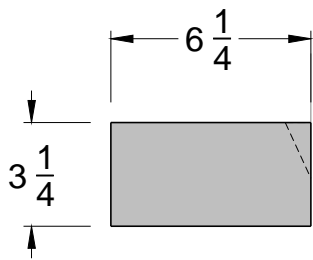
Kitchen Wall Panels

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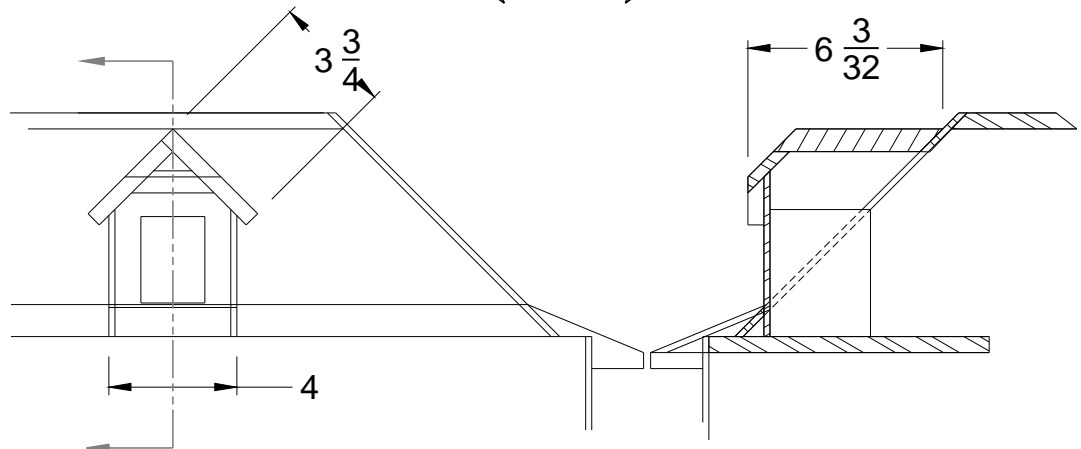
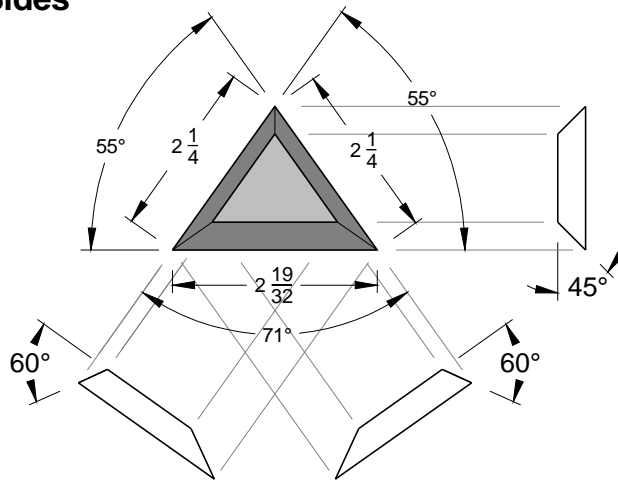
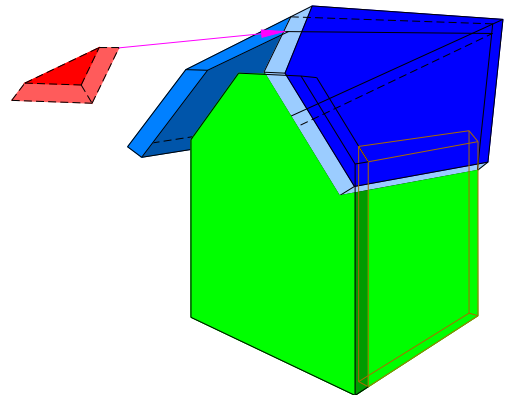
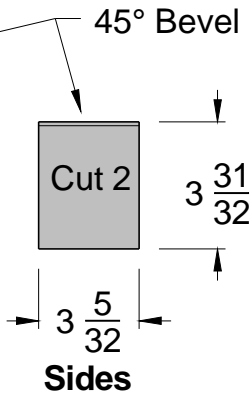
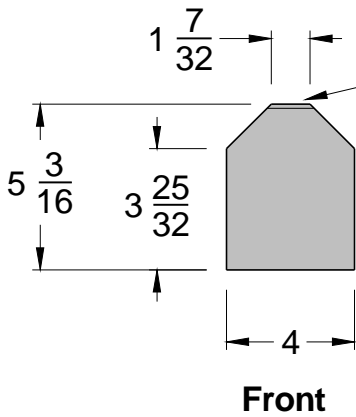


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Dormer

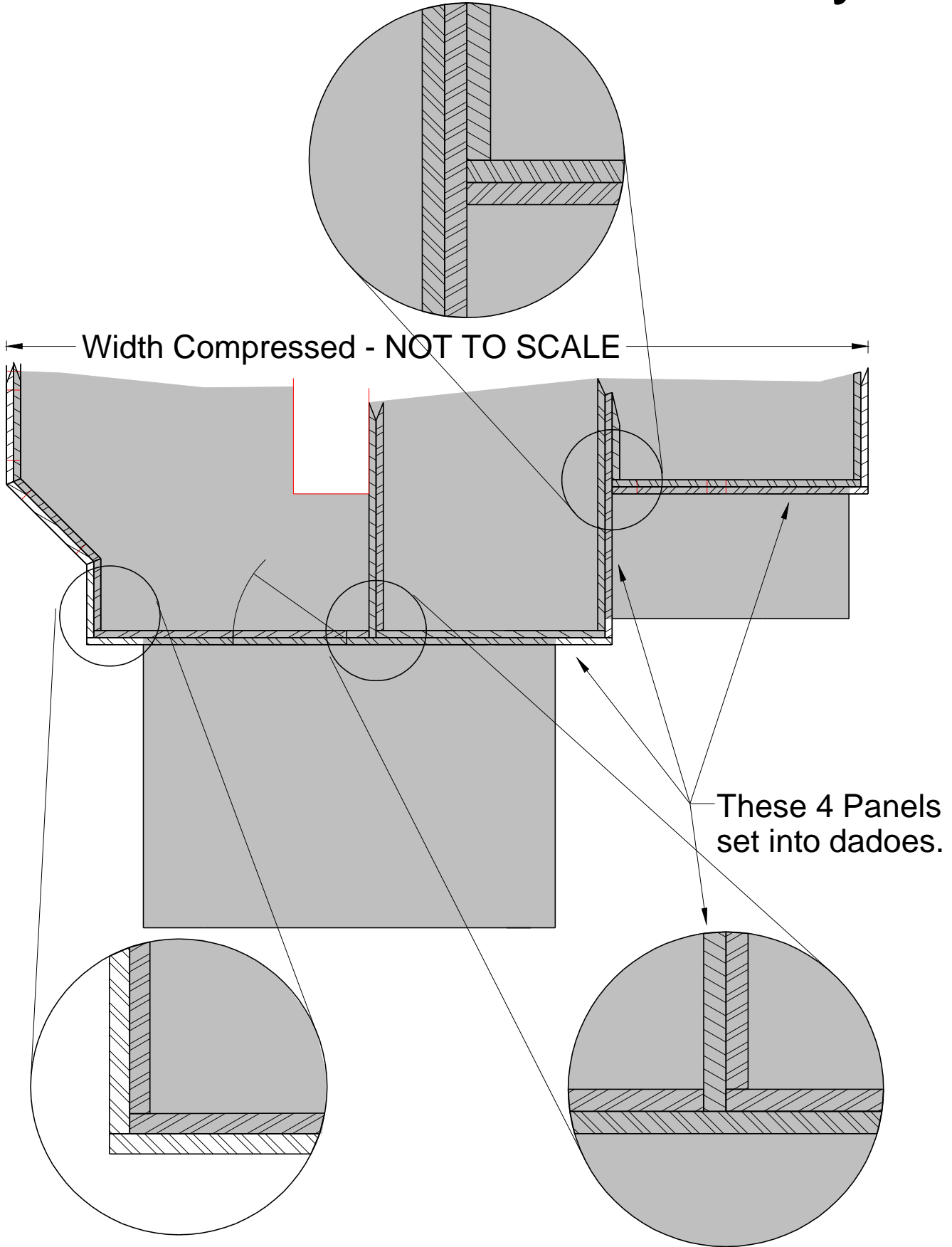


Dormer Roof - 1/2" plywood



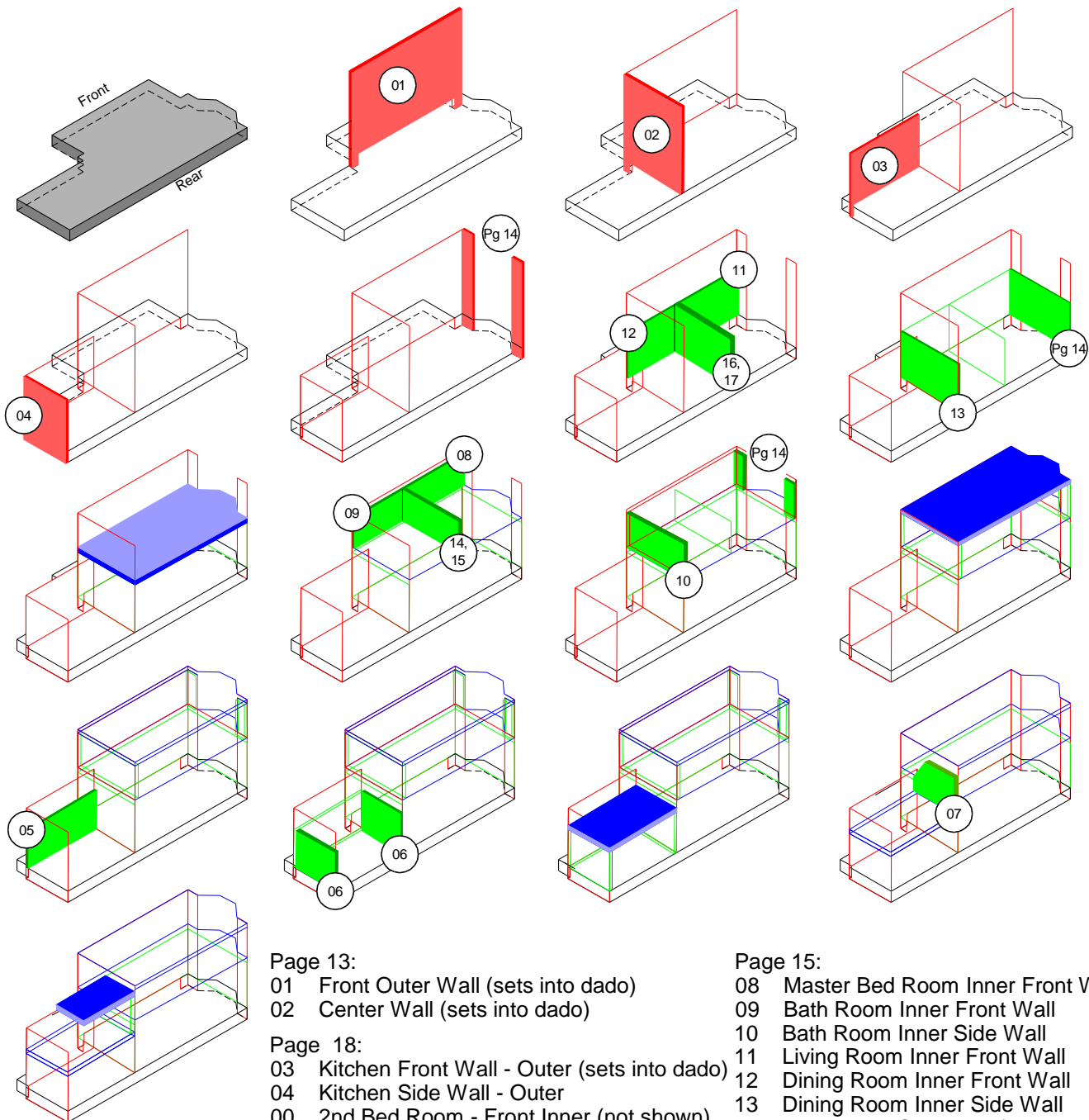
Corner Construction

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Assembly Sequence

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Page 13:

- 01 Front Outer Wall (sets into dado)
- 02 Center Wall (sets into dado)

Page 18:

- 03 Kitchen Front Wall - Outer (sets into dado)
- 04 Kitchen Side Wall - Outer
- 00 2nd Bed Room - Front Inner (not shown)
- 00 2nd Bed Room Side Wall (not shown)
- 05 Kitchen Front Wall - Inner
- 06 Kitchen Side Walls Cut 2
- 07 2nd Bed Room Center Wall

Page 15:

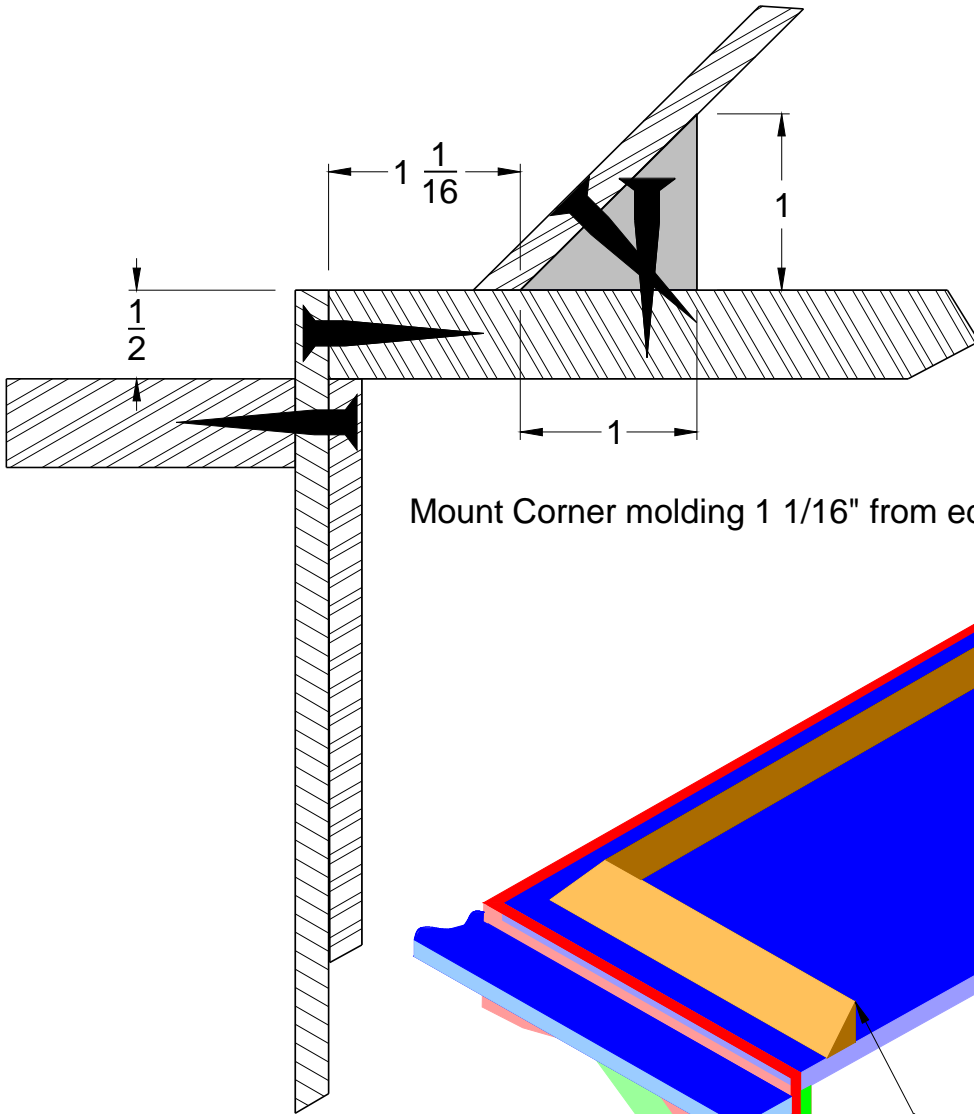
- 08 Master Bed Room Inner Front Wall
- 09 Bath Room Inner Front Wall
- 10 Bath Room Inner Side Wall
- 11 Living Room Inner Front Wall
- 12 Dining Room Inner Front Wall
- 13 Dining Room Inner Side Wall
- 14 Bath Room Stair Wall (sets into dado)
- 15 Bath Room Stair Wall
- 16 Dining Room Stair Wall (sets into dado)
- 17 Dining Room Stair Wall

After a proper fit has been achieved for each Floor, draw a pencil line on the Walls, around the Floor Panel. Remove Floor and drill 1/16" Dia pilot hole through Wall Panel. Two screws on short side and three across front.

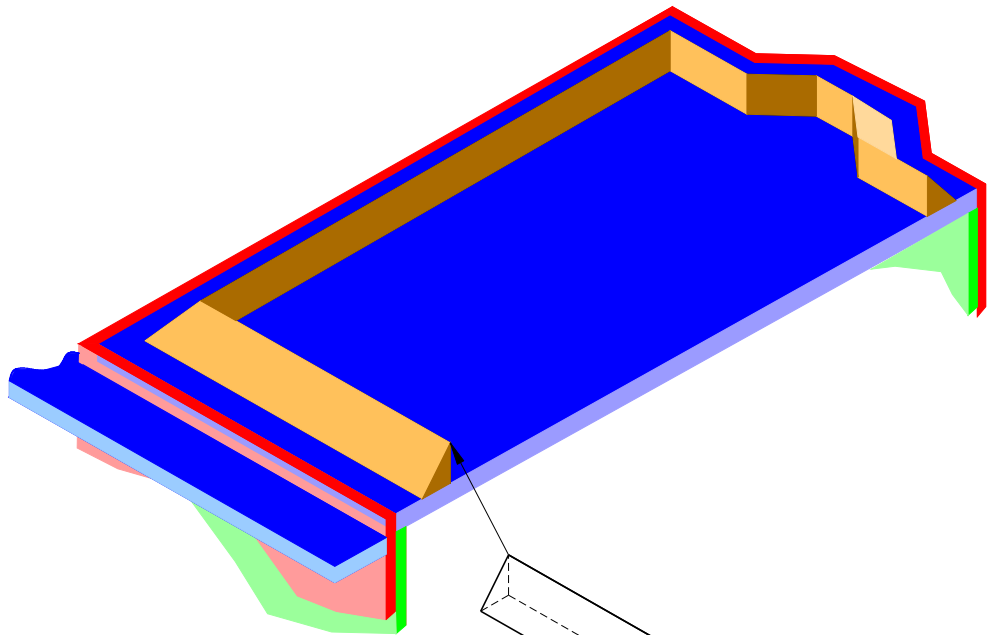
After all panels have been trimmed for proper alignment and fit, remove Eaves and Inner Wall Panels. In same sequence as above, glue the Inner to Outer Wall Panels. Do NOT glue wall corners or Floors at this time. Carefully disassemble, do not allow any slippage. Lay panels, one on top the other, on flat surface. Add weights until dry.

Roof Assembly

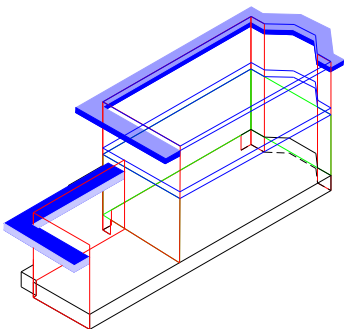
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Mount Corner molding 1 1/16" from edge of 3rd Floor - three sides.



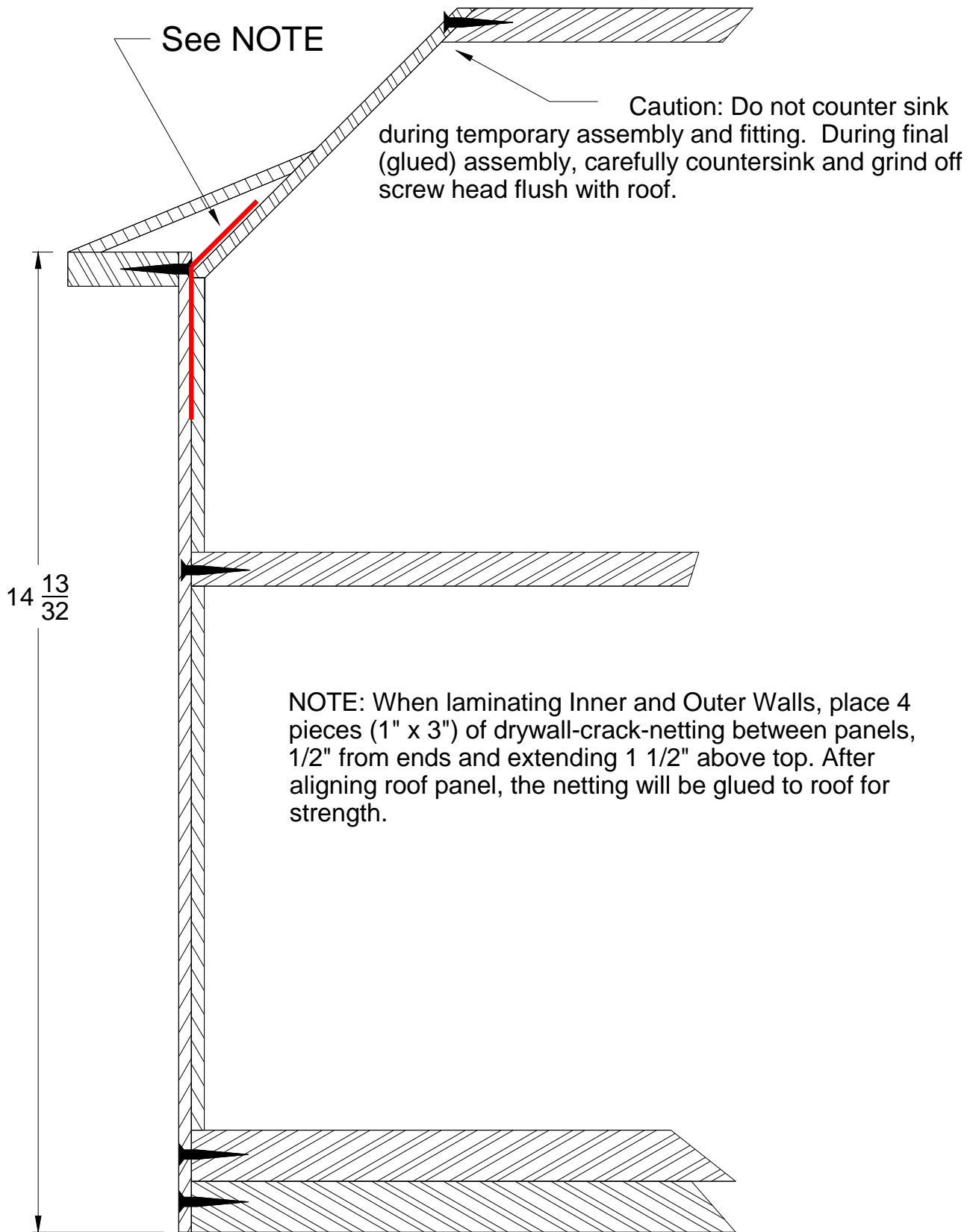
Corner molding: 1" x 1" x 60"



Mount Eve 1/2" down from top of 3rd Floor Wall and flush with top of Kitchen Walls (14 13/32).

Kitchen Roof Detail

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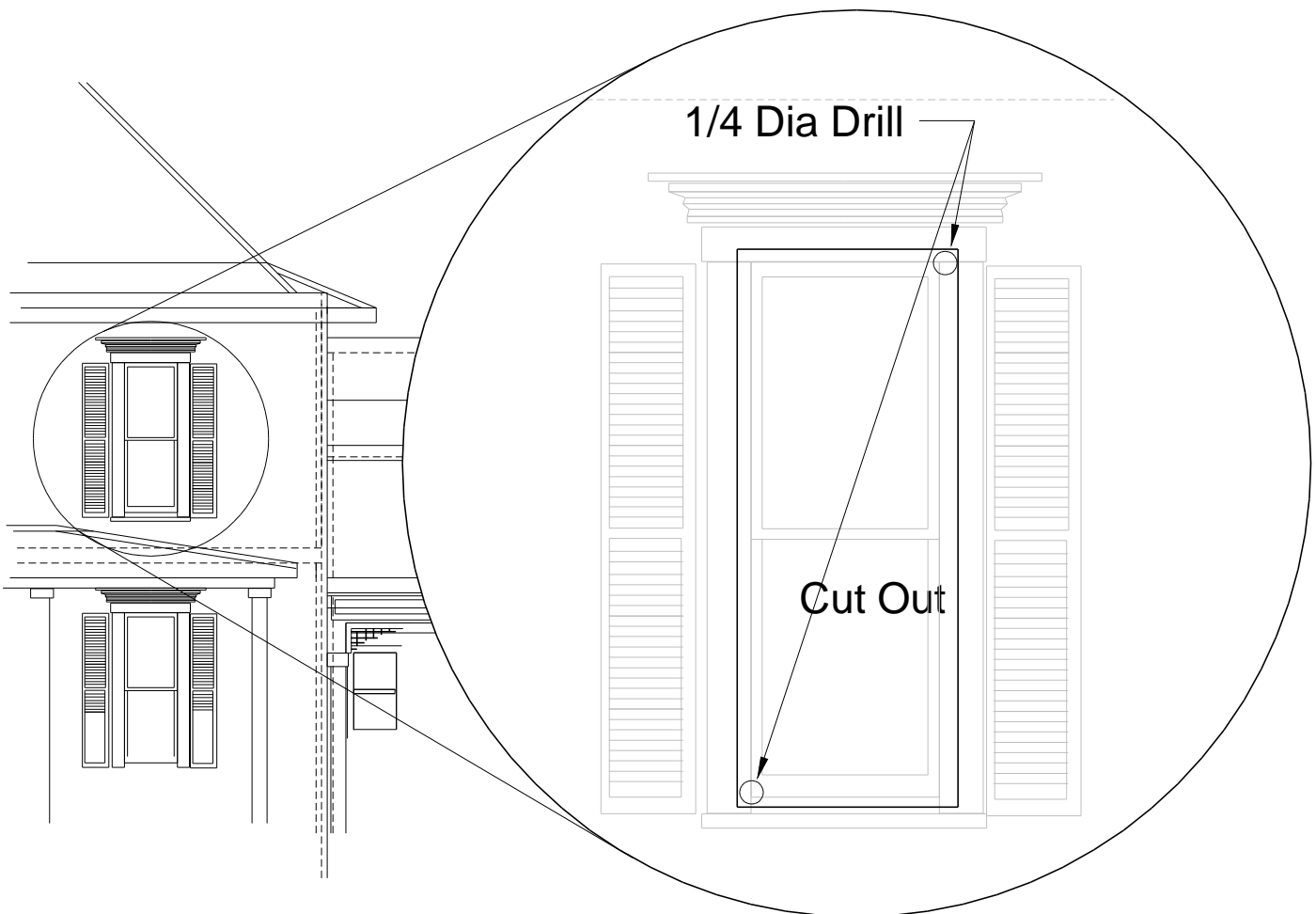


Kitchen - Rear Elevation - Section

Windows

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Measure doors and windows to determine the size of cutout required. Locate the doors and windows on the front and side panels. Generally, residential windows are located about 2 to 3' (2 to 3" in scale) above floor - allow for inside trim. Draw the cutout opening onto the wall panels. Drill 1/4" holes inside the layout in opposite corners. Cut and trim to fit. Do not glue windows in place until much later in the construction process. Though the openings are small, they are useful for clamping and access to the interior.

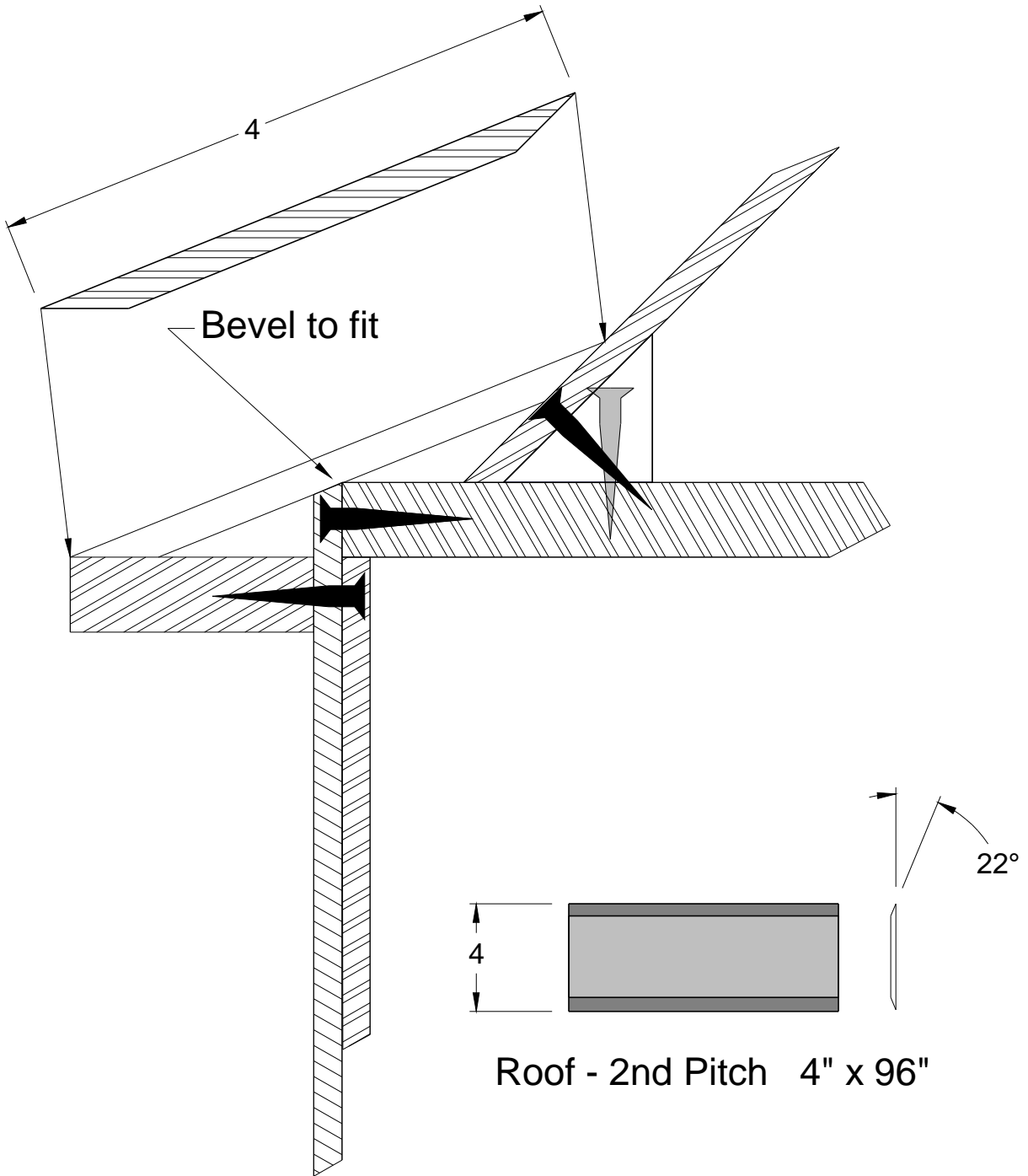


Manufactured doors and windows are available from many companies and in many styles and sizes. There are several good Internet companies with online catalogs that show both style and measurements. Some doors/windows are designed to mount into a 3/8" wall, others into 1/2" thick walls. Allow for siding when ordering.

After windows and doors have been cut out, finish Floors and Ceilings as appropriate. Proceed with final (glued) assembly.

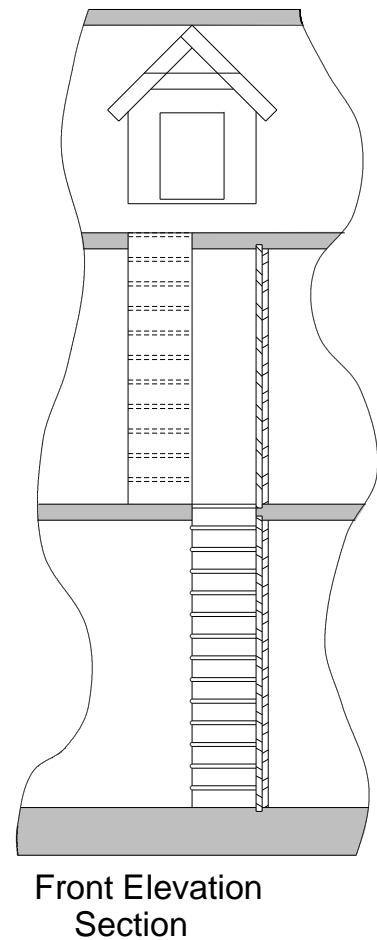
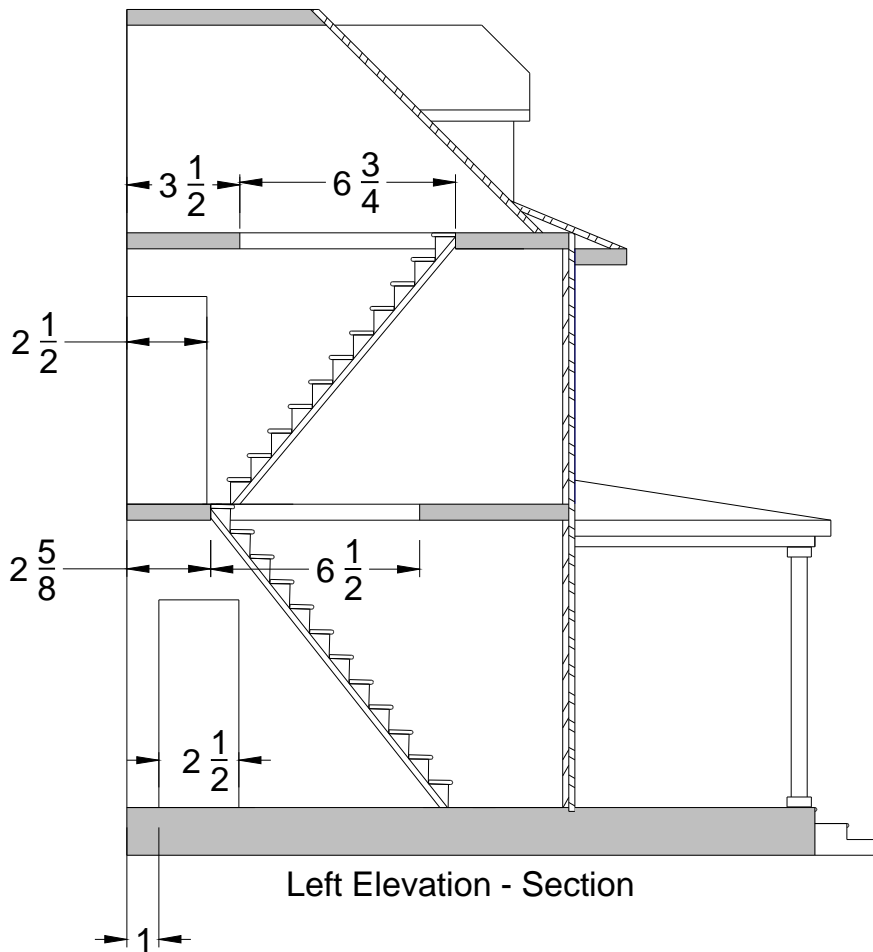
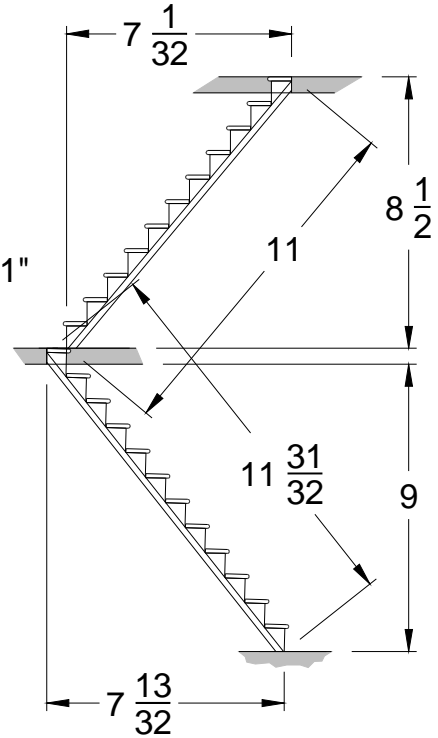
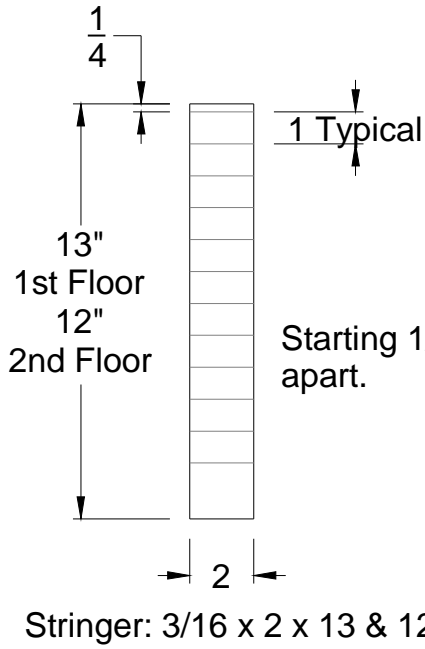
Roof Detail

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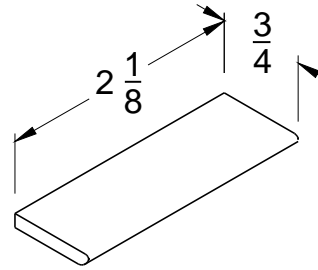
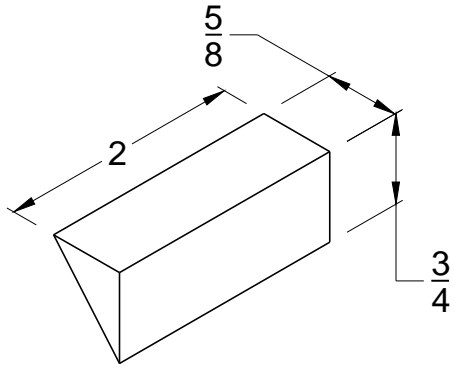
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Stairs - Layout



Stairs - Assembly

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Risers: cut 23 (12 for 1st floor, 11 for 2nd floor)

Tread: cut 23, 1/8 hardwood.
Round front edge and appropriate side.

Glue risers in place to pencil lines. Place treads, it may be necessary to bevel bottom, back edge of tread. Glue in place.
Hand bevel top of stringer, trim excess off bottom and hand bevel to fit.

