



Air Seal Balloon Framing From Attic

Job Aid for Air Seal Attic Floor Badge

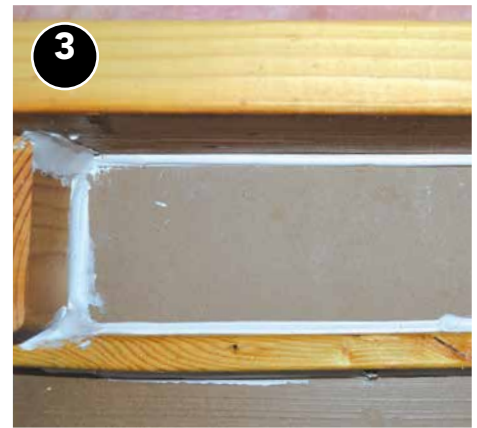
Aligns with Standard Work Specifications 3.0101.1, 3.0102.4



Block the opening of balloon framed sidewalls in alignment with the pressure boundary.



Blocking material options include lumber, gypsum board, XPS [extruded polystyrene], or bagged fiberglass batts.



Blocking material needs to be appropriate for potential weight load.



Securely fasten rigid material capable of withstanding air pressure if the wall cavities will be dense-packed.



Seal any remaining gaps with caulk, one-part foam, or mastic. Extend the sealant to adjacent materials.



By sealing at the top of the cavity, airflow is stopped and no air movement should be visible when checking your work with smoke at a test pressure of 50 pascals.



Checklist

Air seal attic floor

DESIRED OUTCOME

Holes, penetrations, chases, cracks, gaps, and joints sealed to prevent air leakage and moisture movement between the attic and conditioned space.¹

Job Site Requirements²

- ☐ Existing insulation was removed as needed to access air sealing locations.
- ☐ All wall cavities are enclosed on all sides (e.g., have top and bottom plates). Additional blocking was installed where necessary.
- ☐ The following cracks, penetrations, and chases are sealed according to the work order to prevent air movement with the appropriate materials based on hole sizes according to the MATERIALS GUIDELINES table at right:
 - ☐ Top plates of all walls
 - ☐ Tongue and groove ceilings
 - ☐ Chases
 - ☐ Dropped soffits
 - ☐ Recessed lights
 - ☐ Plumbing vent pipes
 - ☐ Electrical penetrations
 - ☐ Exhaust fans
 - ☐ Dropped ceilings
 - ☐ Stairwells
 - ☐ Chimney/flue
 - ☐ Ductwork penetrations into attic
 - ☐ Any other holes/penetrations in the attic plane/boundary
- ☐ Work area cleaned.

AIR SEALING MATERIALS GUIDELINES	
HOLE/GAP SIZE	MATERIALS/NOTES
1/4" or less (small)	Caulk
1/4" to 2" (medium)	One component foam or mastic
2"-3" (large)	Two-component foam
3" or larger (extra-large)	Infill material installed that will not bend, sag, or move Support material (e.g., 2X4) installed for spans wider than 24"

1. Relevant Standards: 3.0101.1, 3.0102.4

2. High-temp areas and attic hatches are addressed in separate badges.

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