



# Air Seal an Attic Dropped Soffit or Large Opening

Job Aid for Air Seal Attic Floor Badge

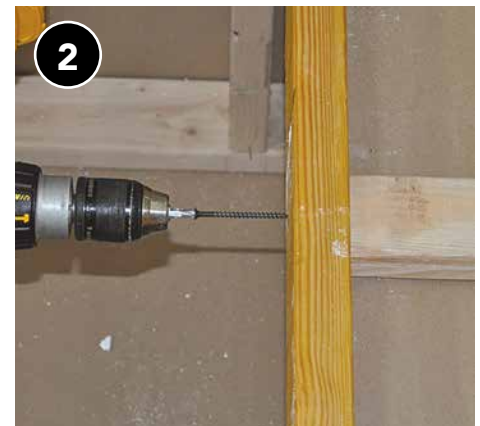
Aligns with Standard Work Specifications 3.0101.1, 3.0102.9



Soffits, coffered ceilings, and other design details can create lower sections in the ceiling line and often are not sealed or insulated properly.



For openings larger than 24 inches, support braces will be necessary.



If necessary, attach bracing across joists securely, spacing no more than 24 inches apart.



Apply sealant along top plates, bracing, and framing members prior to attaching rigid material and secure in place with mechanical fasteners.



Seal seams, edges, and the tops of all mechanical fasteners.



The pressure boundary is now aligned and ready for insulation.



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.<sup>1</sup>

## Job Site Requirements<sup>2</sup>

- 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, 3.0102.9

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

