

Design Checklist

- ✓ Select appropriate air barrier system materials and assemblies. Refer to Table 8-2 for air barrier system materials and assembly properties. The Air Barrier Association of American (ABAA) also lists several commercially available compliant air barrier membrane products and systems at www.airbarrier.org.²⁹
- ✓ Ensure that a continuous line representing the plane of airtightness can be drawn across all wall assemblies, details, and transitions between assemblies. This includes in both plan and section perspectives. Details included within this guide demonstrate this practice; an example is shown in Fig. 8-3.
- ✓ Clearly delineate the air barrier system boundary on the construction documents. This practice is typically performed on the floor plans for each building level and on each building section as shown in Fig. 8-4. This delineation is required by the City of Fort Collins energy code (local amendments to the 2015 IECC) for compliance,¹¹ in addition to the calculation of the air barrier pressure boundary surface area.
- ✓ Identify air barrier system installation, testing, and installer qualification requirements in Divisions 1 and 7 of the project manual. Air barrier master specifications related to Divisions 1 and 7 are available from the ABAA's website and may be modified to meet local code and project-specific requirements.

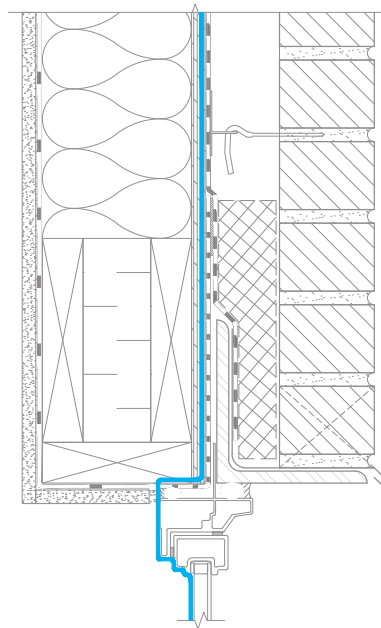


Fig. 8-3 Typical window head detail and wood stud-framed backup wall. The plane of airtightness (i.e., the air control layer) is denoted in blue.

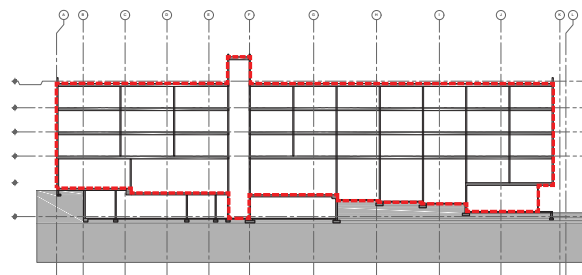


Fig. 8-4 Whole-building section with the continuous air barrier system pressure boundary denoted in red.

Adapted from the National Masonry Systems Guide: Northwest Edition