

Air Barrier and Insulation Inspection Checklist (Table 402.4.2)

| Component | Criteria | Complies | Does not Comply |
|---|--|--------------------------|--------------------------|
| Air barrier and thermal barrier | Exterior Thermal envelope insulation for framed walls is installed in substantial contact and continuous alignment with building envelope air barrier. | <input type="checkbox"/> | <input type="checkbox"/> |
| | Breaks or joints in the air barrier are filled or repaired. | <input type="checkbox"/> | <input type="checkbox"/> |
| | Air-permeable insulation is not used as a sealing material. | <input type="checkbox"/> | <input type="checkbox"/> |
| | Air-permeable insulation is inside of an air barrier. | <input type="checkbox"/> | <input type="checkbox"/> |
| Ceiling/attic | Air barrier in any dropped ceiling/soffit is substantially aligned with insulation and any gaps are sealed. | <input type="checkbox"/> | <input type="checkbox"/> |
| | Attic access (except unvented attic), knee wall door, or drop down stair is sealed. | <input type="checkbox"/> | <input type="checkbox"/> |
| Walls | Corners and headers are insulated. | <input type="checkbox"/> | <input type="checkbox"/> |
| | Junction of foundation and sill plate is sealed. | <input type="checkbox"/> | <input type="checkbox"/> |
| Windows and doors | Space between window/door jams and framing is sealed. | <input type="checkbox"/> | <input type="checkbox"/> |
| Rim joists | Rim joists are insulated and include an air barrier. | <input type="checkbox"/> | <input type="checkbox"/> |
| Floors (including above-garage and cantilevered floors) | Insulation is installed to maintain permanent contact with underside of subfloor decking. | <input type="checkbox"/> | <input type="checkbox"/> |
| | Air barrier is installed at any exposed edge of insulation. | <input type="checkbox"/> | <input type="checkbox"/> |
| [Unvented] Crawl space walls | Insulation is permanently attached to walls. | <input type="checkbox"/> | <input type="checkbox"/> |
| | Exposed earth in unvented crawl spaces is covered with Class I vapor retarder with overlapping joints taped. | <input type="checkbox"/> | <input type="checkbox"/> |
| Shafts/penetrations | Duct shafts, utility penetrations, knee walls, and flue shafts opening to exterior or unconditioned space are sealed | <input type="checkbox"/> | <input type="checkbox"/> |
| Narrow cavities | Batts in narrow cavities are cut to fit, or narrow cavities are filled by sprayed/blown insulation. | <input type="checkbox"/> | <input type="checkbox"/> |
| Garage separation | Air sealing is provided between the garage and conditioned spaces. | <input type="checkbox"/> | <input type="checkbox"/> |
| Recessed lighting | Recessed light fixtures are air tight, IC rated, and sealed to drywall. Exception- fixtures in conditioned space. | <input type="checkbox"/> | <input type="checkbox"/> |
| Plumbing and wiring | Insulation is placed between outside and pipes. | <input type="checkbox"/> | <input type="checkbox"/> |
| | Batt insulation is cut to fit around wiring and plumbing, or sprayed/blown insulation extends behind piping and wiring. | <input type="checkbox"/> | <input type="checkbox"/> |
| Shower/tub on exterior wall | Showers and tubs on exterior walls have insulation and an air barrier separating them from the exterior wall. | <input type="checkbox"/> | <input type="checkbox"/> |
| Electrical/phone box on exterior wall | Air barrier extends behind boxes or air-sealed-type boxes are installed. | <input type="checkbox"/> | <input type="checkbox"/> |
| Common wall | Air barrier is installed in common wall between dwelling units. | <input type="checkbox"/> | <input type="checkbox"/> |
| HVAC register boots | HVAC register boots that penetrate building envelope are sealed to subfloor or drywall. | <input type="checkbox"/> | <input type="checkbox"/> |
| Fireplace | Fireplace walls include an air barrier. | <input type="checkbox"/> | <input type="checkbox"/> |