Exceptions:
1. Field fabricated *fenestration* and *doors* that are weather-stripped.
2. For garage *doors*, air leakage determined by test at standard test conditions in accordance with NAGDM 105 shall be an acceptable alternate for compliance with air leakage requirements.

1304.3.4 Shaft, Chute, Access Opening, Stairwell and Elevator Lobby Doors: Doors and access openings leading to shafts, chutes, stairwells, and elevator lobbies shall either meet the requirements of 780 CMR 1304.3.3 or shall be equipped with weatherseals.

Exception: Weatherseals on elevator lobby doors are not required when a smoke control system is installed in accordance with 780 CMR 921.7.

1304.3.5 Loading Dock Weatherseals: Cargo *doors* and loading dock *doors* shall be equipped with weatherseals to restrict *infiltration* when vehicles are parked in the doorway.

1304.3.6 Vestibules: A *door* that separates *conditioned space* from the exterior shall be protected with an enclosed vestibule, with all *doors* opening into and out of the vestibule equipped with self-closing devices. Vestibules shall be designed so that in passing through the vestibule it is not necessary for the interior and exterior *doors* to open at the same time. Interior and exterior *doors* shall have a minimum distance between them of not less than seven ft (2.1 m) when in the closed position.

Exceptions:
1. *doors* not intended to be used as a *building entrance door*, such as doors for mechanical or electrical equipment rooms;
2. *doors* opening directly from a *dwelling unit*;
3. *doors* that open directly from a space less than 3000 ft^2 in area;
4. revolving *doors* or *doors* adjacent to revolving *doors*;
5. *doors* used primarily to facilitate vehicular movement or material handling and adjacent personnel *doors*.

1304.3.7 Air-tight Dampers: Air-tight operable dampers shall be installed where the air barrier is penetrated by:
1. fixed open louvers such as in elevator shafts and machine rooms;
2. mechanical system components which allow infiltration or exfiltration of air when the systems are inactive, such as atrium smoke exhaust systems and make-up air louvers;
3. outside air intakes, exhaust outlets, relief outlets, stair shaft, elevator shaft smoke relief openings, and other similar elements.

Such dampers shall have a leakage no greater than 3cfm/ft^2 at 1.0 in w.g. when tested in accordance with AMCA Standard 500. They shall be set in the closed position, and shall automatically open upon:
1. the activation of any fire alarm initiating device of the building's fire alarm system;
2. the interruption of power to the damper.

1304.3.8 Recessed Lighting Fixtures: When installed in the building envelope, recessed lighting fixtures shall meet one of the following requirements:
1. Type IC rated, manufactured with no penetrations between the inside of the recessed fixture and ceiling cavity and sealed or gasketed to prevent air leakage into the unconditioned space.
2. Type IC rated, in accordance with ASTM E 283 no more than 2.0 cfm air movement from the conditioned space to the ceiling cavity. The lighting fixture shall be tested at 75 Pa or 1.57 lbs./$ft.^2$ pressure difference and shall be labeled.

1304.3.9 Envelope Gaps and Cavities: All gaps and cavities between rough framing and door and window heads, jambs, and sills shall be made air-tight, filled with insulation and covered with a vapor barrier meeting the criteria for vapor barriers.

1304.4 Insulation General: Where insulation is required in 780 CMR 1304.2 or 780 CMR 1304.5, it shall also comply with 780 CMR 1304.4.1 through 1304.4.5.

1304.4.1 Insulation Installation: Insulation materials shall be installed in accordance with manufacturer's recommendations as to achieve and maintain *rated R-value of insulation*.

Where continuous wall insulation is required in 780 CMR 1304.2 or 780CMR 1304.5 in multi-story buildings, the insulation must be continuous across floor structures.

Open-blown or poured loose-fill insulation shall not be used in *attic roof* spaces with eave vents when the slope of the ceiling is more than three in 12 unless special provisions are made to prevent settling and maintain an air space for ventilation above the insulation. Baffling of the vent openings shall be provided to deflect the incoming air above the surface of the insulation.

1304.4.2 Substantial Contact: Insulation shall be installed in a permanent manner in *substantial contact* with adjacent surfaces in a manner which will prevent convection of air around the insulation. Flexible batt insulation installed in floor cavities shall be supported in a permanent manner by supports no greater than 24 in. on center.