

## Most Common Rejection Items

### Building

**R602.8 Fireblocking required.** Fireblocking shall be provided to cut off all concealed draft openings (both vertical and horizontal) and to form an effective fire barrier between stories, and between a top story and the roof space.

**R403.1 General.** All exterior walls shall be supported on continuous solid or fully grouted masonry or concrete footings, wood foundations, or other approved structural systems which shall be of sufficient design to accommodate all loads according to Section R301 and to transmit the resulting loads to the soil within the limitations as determined from the character of the soil. Footings shall be supported on undisturbed natural soils or engineered fill.

**R309.2 Separation required.** The garage shall be separated from the residence and its attic area by not less than 1/2-inch gypsum board applied to the garage side.

**R311.5.6 Handrails.** Handrails shall be provided on at least one side of each continuous run of treads or flight with four or more risers.

**R403.1.1 Minimum size.** Minimum sizes for concrete and masonry footings shall be as set forth in Table R403.1 and Figure R403.1(1).

**R802.3.1 Ceiling joist and rafter connections.** Ceiling joists and rafters shall be nailed to each other in accordance with Table R802.5.1(9), and the rafter shall be nailed to the top wall plate in accordance with Table R602.3(1).

**R408.9 Removal of debris,** The crawl space floor shall be cleaned of all vegetation and organic material All wood forms used for placing and all construction materials shall be removed before the building is occupied or used for any purpose.

**R602.6.1 Drilling and notching of top plate.** When piping or ductwork is placed in or partly in an exterior wall or interior load-bearing wall, necessitating cutting, drilling or notching of the top plate by more than 50 percent of its width, a galvanized metal tie of not less than 0.054 inch thick (16 ga) and 1 ½ inches wide shall be fastened across and to the plate at each side of the opening with not less than eight 16d nails at each side or equivalent.

**R502.6.2 Joist framing.** Joists framing into the side of a wood girder shall be supported by approved framing anchors or on ledger strips not less than nominal 2 inches by 2 inches.

**R502.11.2 Bracing.** Trusses shall be braced to prevent rotation and provide lateral stability in accordance with the requirements specified in the construction documents for the building and on the individual truss design drawings.

## Electrical

**408.4 Circuit Directory or Circuit Identification.** Every circuit and circuit modification shall be legibly identified as to its clear, evident, and specific purpose or use.

**314.23 Supports.** Enclosures within the scope of this article shall be supported in accordance with one or more of the provisions in 314.23(A) through (H).

**(B) Structural Mounting.** An enclosure supported from a structural member of a building or from grade shall be rigidly supported either directly or by using a metal, polymeric, or wood brace.

**314.25 Covers and Canopies.** In completed installations, each box shall have a cover, faceplate, lampholder, or luminaire canopy, except where the installation complies with 410.24(B).

**334.30 Securing and Supporting.** Nonmetallic-sheathed cable shall be supported and secured by staples, cable ties, straps, hangers, or similar fittings designed and installed so as not to damage the cable, at intervals not exceeding 4½ ft and within 12 in. of every outlet box, junction box, cabinet, or fitting.

**410.2 Definitions. Closet Storage Space.** The volume bounded by the sides and back closet walls and planes extending from the closet floor vertically to a height of 6 ft or to the highest clothes-hanging rod and parallel to the walls at a horizontal distance of 24 in. from the sides and back of the closet walls, respectively, and continuing vertically to the closet ceiling parallel to the walls at a horizontal distance of 12 in. or the width of the shelf, whichever is greater; for a closet that permits access to both sides of a hanging rod, this space includes the volume below the highest rod extending 12 in. on either side of the rod on a plane horizontal to the floor extending the entire length of the rod.

## **Mechanical**

**304.1 General.** Equipment and appliances shall be installed as required by the terms of their approval, in accordance with the conditions of the listing, the manufacturer's installation instructions and this code. Manufacturer's installation instructions shall be available on the job site at the time of inspection.

**603.10.1 For one- and two-family dwellings and townhouses.** Metal ducts shall be securely supported. Where hung or suspended metal straps a minimum of 1 inch in width and equivalent to or heavier gage than the duct being supported shall be used. Straps when used shall be at maximum 64-inch intervals and shall be securely attached to the building structure.

**603.17 Registers, grilles and diffusers.** Duct registers, grilles and diffusers shall be installed in accordance with the manufacturer's installation instructions.

**504.1 Installation.** Clothes dryers shall be exhausted in accordance with the manufacturer's instructions.

**307.2.3 Auxiliary and secondary drain systems.** In addition to the requirements of Section 307.2.1, a secondary drain or auxiliary drain pan shall be required for each cooling or evaporator coil.

## Plumbing

**312.2 Drainage and vent water test.** A water test shall be applied to the drainage system within the building either in its entirety or in sections.

**312.5 Water distribution system.** Upon completion of a section or the entire water distribution system any portion completed shall be tested and proved tight under a water pressure not less than 100 psi (344 kPa) or for piping systems other than plastic by an air test of not less than 100 psi.

**304.4 Openings for pipes.** In or on structures where openings have been made in walls, floors or ceilings for the passage of pipes, such openings shall be closed and protected by the installation of approved metal collars or other approved materials that are securely fastened to the adjoining structure.

**305.8 Protection against physical damage.** In concealed locations where piping, other than cast-iron or galvanized steel, is installed through holes or notches in studs, joists, rafters or similar members less than 1.5 inches from the nearest edge of the member, the pipe shall be protected by shield plates.

**405.5 Water-tight joints.** Joints formed where fixtures come in contact with walls or floors shall be sealed.

**704.1 Slope of horizontal drainage piping.** Horizontal drainage piping shall be installed in uniform alignment at uniform slopes.