

TABLE 602 - FIRE RATINGS OF BUILDING ELEMENTS

Deleted **Footnote "B"** which allowed non fire rating between **R-3** and **U** use groups, or **R-3** when the distance is 3 ft. greater due to concerns about fires occurring in close proximity housing.

- Provides for equivalent dimensions for solid sawn lumber and glued laminated timbers.
- Deleted **Footnote "C" - Item 3** in the 2003 Table 601 and created an exception for Item 1.3 to note fire-retardant treated wood was only prohibited in roof construction when the vertical distance from the upper floors to the roof is less than 20 ft in buildings greater than 2 stories of Type 1 construction.

GENERAL CONSTRUCTION CHANGES

- **Fire barriers** now only apply to walls, not horizontal assemblies.
- **Glazing** - Added labeling requirements for fire-rated glazing. Larger areas permitted.
- **Fire Barrier** - Openings in walls can go from 144 sq. ft. to 156 sq. ft. with no maximum dimension.. Permits fire windows to be unlimited in size as a percentage of the walls for atrium enclosures. New labeling requirements also added.
- Elevator lobby pressurization alternative - Must provide details for pressurization when that alternate is chosen.
- Floor fire doors will be tested to *NFPA No. 288*.
- Testing of air leakage for penetrations in smoke barriers now required.
- Section 715.3 added new provisions for alternate methods for determining fire protection ratings.
- Standard for method for smoke control must now comply with *NFPA No. 92B*. Removes the 5,000 Btu/sec design fire and replaced with requirements determined by a rational analysis.
- New requirements for smoke activated doors in shaft enclosures, refuse and laundry chutes, walls in underground buildings and in some smoke partition applications.
- 20-Minute doors required in 30-minute fire rated partitions.
- Wood I-joists as a substitute for nominal lumber in fire-rated floor/ceiling assemblies.

MEANS OF EGRESS

- Definitions of "aisle" and "merchandise pad" will now be in the code.
- Occupants load (standing only) of 5 sq. ft. net / person has been increased to 7 sq. ft. net/person (the minimum allowable) to avoid overcrowding. This will result in larger stairways and exits.
- Area of refuge are now required, even if building has fire sprinklers. That option has been deleted.
- Day Care Center has a maximum floor area of 35 sq. ft. net/person.
- Platform lift is permitted for accessible means of egress for the limited occupant spaces.
- A 32-inch clear width door opening is now required for all R-1 units, Accessible units, Type A. Type B units must have a minimum clear width of 31-3/4 in.