



## 2015 Residential Code Question Of The Week

Handrails in a single-family dwelling shall have a flame spread index of not greater than \_\_\_\_.

- A) 150
- B) 200
- C) 300
- D) No Requirement ←

**R302.9.1 Flame spread index.** Wall and ceiling finishes shall have a flame spread index of not greater than 200.

**Exception:** Flame spread index requirements for finishes shall not apply to trim defined as picture molds, chair rails, baseboards and handrails; to doors and windows or their frames; or to materials that are less than  $\frac{1}{28}$  inch (0.91 mm) in thickness cemented to the surface of walls or ceilings if these materials exhibit flame spread index values not greater than those of paper of this thickness cemented to a noncombustible backing.

**Always read the entire code section when taking an ICC exam!!!**

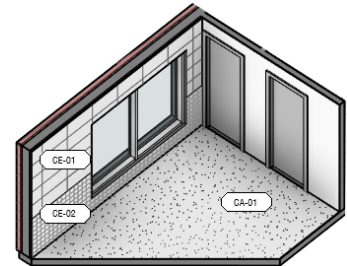




## 2015 Commercial Code Question Of The Week

Class C interior finish materials shall be permitted in nonsprinklered rooms and enclosed spaces of a banquet hall with an occupant load of \_\_\_ persons or less.

- A) 150
- B) 200
- C) 300 ←
- D) Minimum Class B Is Required



**TABLE 803.11  
INTERIOR WALL AND CEILING FINISH REQUIREMENTS BY OCCUPANCY<sup>k</sup>**

GROUP	SPRINKLERED <sup>d</sup>			NONSPRINKLERED		
	Interior exit stairways and ramps and exit passageways <sup>a, b</sup>	Corridors and enclosure for exit access stairways and ramps	Rooms and enclosed spaces <sup>c</sup>	Interior exit stairways and ramps and exit passageways <sup>a, b</sup>	Corridors and enclosure for exit access stairways and ramps	Rooms and enclosed spaces <sup>c</sup>
A-1 & A-2	B	B	C	A	A <sup>d</sup>	B <sup>e</sup>
A-3 <sup>f</sup> , A-4, A-5	B	B	C	A	A <sup>d</sup>	C
B, E, M, R-1	B	C	C	A	B	C
R-4	B	C	C	A	B	B
F	C	C	C	B	C	C
H	B	B	C <sup>g</sup>	A	A	B
I-1	B	C	C	A	B	B
I-2	B	B	B <sup>h, i</sup>	A	A	B
I-3	A	A <sup>j</sup>	C	A	A	B
I-4	B	B	B <sup>h, i</sup>	A	A	B
R-2	C	C	C	B	B	C
R-3	C	C	C	C	C	C
S	C	C	C	B	B	C
U	No restrictions			No restrictions		


For SI: 1 inch = 25.4 mm, 1 square foot = 0.0929m<sup>2</sup>.

- a. Class C interior finish materials shall be permitted for wainscotting or paneling of not more than 1,000 square feet of applied surface area in the grade lobby where applied directly to a noncombustible base or over furring strips applied to a noncombustible base and fire blocked as required by Section 803.13.1.
- b. In other than Group I-3 occupancies in buildings less than three stories above grade plane, Class B interior finish for nonsprinklered buildings and Class C interior finish for sprinklered buildings shall be permitted in interior exit stairways and ramps.
- c. Requirements for rooms and enclosed spaces shall be based upon spaces enclosed by partitions. Where a fire-resistance rating is required for structural elements, the enclosing partitions shall extend from the floor to the ceiling. Partitions that do not comply with this shall be considered enclosing spaces and the rooms or spaces on both sides shall be considered one. In determining the applicable requirements for rooms and enclosed spaces, the specific occupancy thereof shall be the governing factor regardless of the group classification of the building or structure.
- d. Lobby areas in Group A-1, A-2 and A-3 occupancies shall not be less than Class B materials.
- e. Class C interior finish materials shall be permitted in places of assembly with an occupant load of 300 persons or less.
- f. For places of religious worship, wood used for ornamental purposes, trusses, paneling or chancel furnishing shall be permitted.
- g. Class B material is required where the building exceeds two stories.
- h. Class C interior finish materials shall be permitted in administrative spaces.
- i. Class C interior finish materials shall be permitted in rooms with a capacity of four persons or less.
- j. Class B materials shall be permitted as wainscotting extending not more than 48 inches above the finished floor in corridors and exit access stairways and ramps.
- k. Finish materials as provided for in other sections of this code.
- l. Applies when protected by an automatic sprinkler system installed in accordance with Section 903.3.1.1 or 903.3.1.2.



## 2015 CBO Building Codes & Standards Question Of The Week

How many female water closets shall be required in a 6000 square foot exhibit gallery?

- A) 0
- B) 1
- C) 2 
- D) 3

**TABLE 1004.1.2  
MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT**

FUNCTION OF SPACE	OCCUPANT LOAD FACTOR <sup>a</sup>
Accessory storage areas, mechanical equipment room	300 gross
Agricultural building	300 gross
Aircraft hangars	500 gross
Airport terminal	
Baggage claim	20 gross
Baggage handling	300 gross
Concourse	100 gross
Waiting areas	15 gross
Assembly	
Gaming floors (keno, slots, etc.)	11 gross
Exhibit gallery and museum	30 net
Assembly with fixed seats	See Section 1004.4
Assembly without fixed seats	
Concentrated (chairs only—not fixed)	7 net
Standing space	5 net
Unconcentrated (tables and chairs)	15 net

The Building Codes & Standards exam is designed to test your knowledge across the family of ICC codes. Be prepared for questions on the exam that require utilizing two different code sections, or books, to answer!

$6000/30 = 200$  Occupants (100 Male & 100 Female)

**[P] TABLE 2902.1  
MINIMUM NUMBER OF REQUIRED PLUMBING FIXTURES<sup>a</sup>  
(See Sections 2902.1.1 and 2902.2)**

No.	CLASSIFICATION	OCCUPANCY	DESCRIPTION	WATER CLOSETS (URINALS SEE SECTION 419.2 OF THE INTERNATIONAL PLUMBING CODE)		LAVATORIES		BATHTUBS/SHOWERS	DRINKING FOUNTAINS (SEE SECTION 410 OF THE INTERNATIONAL PLUMBING CODE)	OTHER
				Male	Female	Male	Female			
1	Assembly (continued)	A-1 <sup>d</sup>	Theaters and other buildings for the performing arts and motion pictures	1 per 125	1 per 65	1 per 200	—	1 per 500	1 service sink	
		A-2 <sup>d</sup>	Nightclubs, bars, taverns, dance halls and buildings for similar purposes	1 per 40	1 per 40					
			Restaurants, banquet halls and food courts	1 per 75	1 per 75					
		A-3 <sup>d</sup>	Auditoriums without permanent seating, art galleries, exhibition halls, museums, lecture halls, libraries, arcades and gymnasiums	1 per 125	1 per 65	1 per 200	—	1 per 500	1 service sink	
			Passenger terminals and transportation facilities	1 per 500	1 per 500	1 per 750	—	1 per 1,000	1 service sink	
		Places of worship and other religious services	1 per 150	1 per 75	1 per 200	—	1 per 1,000	1 service sink		

$100/65 = 1.54$   
Round The Fraction Up

(continued)

Content Area	% of Total	References
Architectural Plan Review	31%	1. 2015 <i>International Building Code</i> ®
Structural Plan Review	13%	Store ID: (soft-cover) 3000S15; (M) \$101; (N) \$135
Building Systems Plan Review	19%	Store ID: (loose-leaf) 3000L15; (M) \$114; (N) \$152
Field Inspection	37%	2. 2015 <i>International Fire Code</i> ®
		Store ID: (soft-cover) 3400S15; (M) \$83; (N) \$110
		Store ID: (loose-leaf) 3400L15; (M) \$92; (N) \$123
		3. 2015 <i>International Mechanical Code</i> ®
		Store ID: (soft-cover) 3300S15; (M) \$62; (N) \$82
		Store ID: (loose-leaf) 3300L15; (M) \$72; (N) \$96
		4. 2015 <i>International Plumbing Code</i> ®
		Store ID: (soft-cover) 3200ST15; (M) \$65; (N) \$87
		Store ID: (loose-leaf) 3200LT15; (M) \$76; (N) \$101
		5. 2015 <i>International Energy Conservation Code</i> ®
		Store ID: (soft-cover) 3800S15; (M) \$34; (N) \$45
		6. 2015 <i>International Residential Code</i> ®
		Store ID: (soft-cover) 3100ST15; (M) \$96; (N) \$128
		Store ID: (loose-leaf) 3100LT15; (M) \$113; (N) \$150
		7. 2014 <i>National Electrical Code</i>
		Store ID: (hard-cover) 5003S14; (M) \$149; (N) \$165.50
		8. <i>Special Inspection Manual</i> , 2012 edition
		Store ID: (soft-cover) 4019S12; (M) \$39.95; (N) \$49.95
		9. ICC/ANSI A117.1-2009 <i>Standard on Accessible and Usable Buildings and Facilities</i>
<b>Total</b>	<b>100%</b>	Store ID: (soft-cover) 9033S09; (M) \$36.95; (N) \$46

Next Class Is April 15th-18th  
[www.ibcode.com](http://www.ibcode.com)