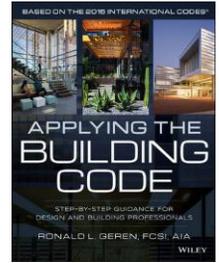


# ERRATA for

## Applying the Building Code: Step-by-Step Guidance for Design and Building Professionals

Updated: 10/19/2016



The following are known errors in the book. If you have found an error, please let me know so that future editions are corrected.

### Step 3 - Example Project (Page 37):

Correction: Incorrect word usage.

- **Public Restrooms: Group A-2**  
Restrooms can be difficult to classify especially in a mixed-occupancy building, since the restrooms may serve several occupancy groups. Usually they are classified in the occupancy group in which they are located as an ~~incidental~~ accessory use. The public restrooms in this project will serve the dining hall, lounge, study rooms, covered outdoor patio, pool area, and exercise room. Since the dining hall may be used by nonresidents, public restrooms are required. Therefore, locating the restrooms near the dining hall would be prudent, thus making it easier to classify them as part of the Group A-2.

Explanation: Incidental uses are clearly identified in IBC Table 509 of which restrooms are not listed. Restrooms can be considered accessory to the main occupancy, although they are not necessarily accessory occupancies per IBC Section 508.2.

### Step 11 - Example Project (Page 150):

Correction: Incorrect numbers.

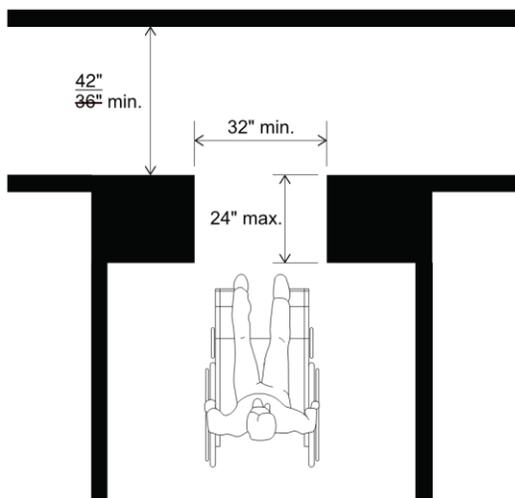
**Step 1: Determine number of occupants for each sex.**

**Group A-2:** ~~248-247~~ total occupants  $\div 2 = 124-123.5$  males and ~~124-123.5~~ females

Includes: Dining Hall (Dining and Kitchen), Restrooms, Circulation, =  $225 + 5 + 4 + 13 = 247$  occupants

### Figure 13.3.1-1 (Page 162):

Correction: Incorrect dimension.



*Explanation: Although an accessible route requires a minimum width of 36 inches, because the opening is considered a doorway with a door, ICC/ANSI A117.1 Figure 404.2.3.4 requires that a 42-inch clear width be provided for a side approach.*

**Step 16.6 Fire Propagation (Page 222):**

*Correction: Incorrect IBC section reference.*

- IBC Section 26123.5: For fiberglass-reinforced polymer (FRP) *exterior wall coverings*. This Section references IBC Section 2603.5, which means NFPA 285 is required for Type I, II, III, and IV buildings that are more than two stories and higher. However, this section does offer two exceptions that would not require NFPA 285 testing.

**Step 20 - Example Project Figure 20-6 (Page 275):**

*Correction: Misspelling.*

**Example Project Figure 20-6:** Type B accessible unit with 32-inch-wide ~~assessable~~ accessible route.

**Step 27 - Accessibility Details (Page 332):**

*Correction: Missing ICC/ANSI A117.1 section reference.*

- **Grab Bar and Toilet Accessory Locations (ICC/ANSI A117.1 Sections 604, ~~and 607,~~ and 608):** Back and side grab bars in accessible toilet compartments should be identified. The ICC/ANSI standard still requires an 18-inch vertical grab bar that is no longer required by the ASAD. Placement of toilet accessories within toilet compartments needs to comply with the location requirements indicated and cannot interfere with the use of a grab bar and vice versa. Accessible bath tubs and showers are also required to have grab bars on back and side walls depending on the configuration of the bath tub or shower.

**Appendix A - Architectural Program for Privatized Student Housing (Page 369):**

*Correction: Incorrect formatting that may cause some confusion. "Outdoor Amenities" should have been under its own major heading and not under the "Residential Levels" heading.*

**Residential Levels (2nd through 4th Stories): 15,000 sq. ft. each**

Residential Units per Floor:

- 2-Bedroom Apartments: 750 sq. ft. each (8 total)
- 3-Bedroom Apartments: 1,000 sq. ft. each (4 total)
- 4-Bedroom Apartments: 1,250 sq. ft. each (2 total)

Circulation/Structure per Floor: Remaining area for walls, stairways, corridors, elevators, and trash chute rooms (approx. 2,500 sq. ft.)

~~Outdoor Amenities:~~

- ~~Swimming Pool: 900 sq. ft.~~

**Outdoor Amenities:**

Swimming Pool: 900 sq. ft.

**Appendix C - Code Data Information for Example Project (Page 400):**

*Correction: Incorrect formatting.*

**Adopted Codes:**

2015 International Building Code  
2015 International Fire Code  
2015 International Mechanical Code  
2015 International Energy Conservation Code  
2015 International Plumbing Code  
2015 International Fuel Gas Code  
2014 National Electrical Code (NFPA 70)  
~~Type of Construction: VA~~

**Type of Construction: VA**

**Appendix C - Code Data Information for Example Project (Page 402):**

*Correction: Incorrect subscript numbers for variables.*

P2 (Unmarked):  $L_{42} = 751.67$  ft.

$W_{42} = 30$  ft.

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If you discover any new errors or inconsistencies that should be included in this Errata, please email them to [atbcerrata@specsandcodes.com](mailto:atbcerrata@specsandcodes.com).

Also, if you have any suggestions for improvements, please send an email to [ron@specsandcodes.com](mailto:ron@specsandcodes.com).

Thank you,

Ronald L. Geren  
Author