

# 2003 International Building Code Errata

## EDITORIAL CHANGES – SECOND PRINTING

- Page 12, CERAMIC FIBER BLANKET: Section reference now reads . . . 721.1.1
- Page 13, CONCRETE CARBONATE AGGREGATE: now reads . . . See Section 721.1.1.
- Page 13, CONCRETE , CELLULAR: now reads . . . See Section 721.1.1.
- Page 13, CONCRETE, LIGHTWEIGHT AGGREGATE: now reads . . . See Section 721.1.1.
- Page 13, CONCRETE, PERLITE: now reads . . . See Section 721.1.1.
- Page 13, CONCRETE, SAND-LIGHTWEIGHT: now reads . . . See Section 721.1.1.
- Page 13, CONCRETE, SILICEOUS AGGREGATE: now reads . . . See Section 721.1.1.
- Page 13, CONCRETE, VERMICULITE: now reads . . . See Section 721.1.1.
- Page 15, GLASS FIBERBOARD: now reads . . . See Section 721.1.1.
- Page 17, MINERAL BOARD: now reads . . . See Section 721.1.1.
- Page 24, 302.2: Section reference in line 3 now reads . . . Section 302.3.2
- Page 27, 307.2: Last line of COMBUSTIBLE FIBERS now reads . . . wastepaper, certain synthetic fibers or other like materials.
- Page 28, Table 307.7(1): Column 2, row 2, line 2 now reads . . . IIIA
- Page 28, Table 307.7(1): Column 4, row 12, line 1 now reads . . . 1<sup>eg</sup>
- Page 39, 402.4.1.4: Section reference in 1st sentence now reads . . . Section 1004.
- Page 40, 402.7.3: Section reference in last sentence now reads . . . Section 705.
- Page 45, 406.1.2: Section reference in last sentence now reads . . . Section 705.
- Page 45, 406.2.7: Section reference in last sentence now reads . . . Section 302.3.2.
- Page 46, 406.3.4: Last line now reads . . . of Sections 302.3, 402.7.1, 406.3.13, 508.3, 508.4 and 508.7.
- Page 49, 408.3.3: Section reference now reads . . . Section 1009.9
- Page 49, 408.3.6: Item 2, section reference now reads . . . Section 715.3.
- Page 54, 412.1.3: Exception, section reference now reads . . . Section 1019.1.8
- Page 64, Table 415.3.2: Column 2, row 3, last line now reads . . . Division 1.6
- Page 65, 415.7.3.4.1: Line 8 now reads . . . Section 715.
- Page 66, 415.7.3.5.2: Section reference now reads . . . Section 715
- Page 66, 415.9.2.2: Exception 2, last line now reads . . . Section 715
- Page 75, 505.3: Line 3 now reads . . . Section 1013.3.
- Page 75, 505.3: Exceptions 1 and 2 now read . . . Section 1014.1 and 1007, respectively.
- Page 77, 507.6: Last line now reads . . . with Table 302.3.2
- Page 78, 508.4: Last line now reads . . . Section 302.3.2.
- Page 78, 508.7.1: Line 4 now reads . . . in Table 302.3.2 ...
- Page 82, 603.1: Item 15 now reads . . . Nailing or furring strips as permitted by Section 803.4.
- Page 91, 705.6: Exception 2, line 1 now reads . . . Two-hour fire-resistance-rated walls shall be ...
- Page 91, 705.6: Exception 4.3. line 7 now reads . . . by a minimum of 2-inch (51 mm) nominal ledgers ...
- Page 92, 706.7: Section references now read . . . Section 715 and 1019.1.1, respectively.
- Page 93, 706.8.1: Section reference now reads . . . Section 1019.1.2

Page 93, 707.2: Exception 2.2, line 9 now reads . . . Section 907.10

Page 94, 707.8.1: Exception now reads . . . Section 1019.1.2

Page 95, 708.1: New item added now reads . . . 5. Elevator lobby separation as required by Section 707.14.1.

Page 95, 708.3: Last line now reads . . . wall shall be at least 1 hour.

Page 96, 710.5.2: Last line now reads . . . the ambient temperature test and the elevated temperature exposure test.

Page 102, 715.4: Last line now reads . . . Section 715.4.8.

Page 105, 716.5.3: Last line now reads . . . as permitted by Section 1019.1.2.

Page 106, 716.6.2: Last line now reads . . . with Section 712.4.2, where exhaust ducts are located with the cavity of a wall, and where exhaust ducts do not pass through another dwelling unit or tenant space.

Page 121, Table 720.1(2): Column 3, row 2, line 4 now reads . . .with 2<sup>1</sup>/<sub>4</sub>" Type S drywall screws, spaced 12" on center, wallboard joints covered with paper tape and joint compound, fastener heads covered with joint compound, ...

Page 160, 803.7: Section reference now reads . . . Section 803.6

Page 160, 803.7: Exception, last line now reads . . . with Sections 803.1 or 803.6.

Page 161, 805.1.2: Exception, last line now reads . . . with Section 803.4.

Page 173, 905.10: Line 2 now reads . . . during construction and demolition operations shall ...

Page 182, 909.5.2: Last 2 lines now read . . . Door openings shall be protected by fire door assemblies complying with Section 715.3.3.

Page 182, 909.5.2: Exception 1, last line now reads . . . in accordance with Section 907.10.

Page 188, 909.20.2.1: Line 5 now reads . . . in accordance with Section 715.3.7.

Page 188, 909.20.3.1: Last line now reads . . . in accordance with Section 715.3.

Page 188, 909.20.3.2: Section references now read . . . Section 715.3.

Page 188, 909.20.4.1: Section references now read . . . Section 715.3.

Page 195, Table 1004.1.2: Column 2, row 6 now reads . . . See Section 1004.7

Page 217, 1021.3: Last line now reads . . . with Section 907.10.

Page 239, 1203.1: Section reference now reads . . . Section 1203.4

Page 240, 1203.4.3: Section reference now reads . . . Section 1206

Page 256, Table 1507.2: Column 2, row 10, line 2 now reads . . . (0.105 inch)

Page 271, 1604.6: Section reference now reads . . . Section 1713

Page 323, 1615.1.4: Equation 16-43, section reference in notation *T* now reads . . . (see Section 9.5.5.3 of ASCE 7).

Page 331, 1617.2.2.2: Reference to *r* in notation *r<sub>max</sub>* now reads . . . *r*

Page 332, 1617.6.1.1: Item 3, last line now reads . . . factor of 4.

Page 333, 1617.6.1: New subsection 1617.6.1.3 added.

Page 342, 1622.1.3: ASCE 7, Section changed to 9.14.7.9 and section reference in 5th line now reads 9.1.3

Page 350, 1704.5: Last line of Section and Exception 1 now read . . . Table 1604.5 and Section 1617.2).

Page 350, 1704.5.2: Last line now reads . . . Table 1604.5 and Section 1617.2).

Page 352, Table 1704.5.3: Column 5, row 12 now reads . . . Sec. 1.2.2(e), 2.1.4, 3.1.6

Page 371, 1805.9: paragraph 2, line 2 and last line line of exception 2 now reads . . . provisions of ACI 318, Sections 21.10.1 to 21.10.3

Page 377, 1808.2.23.2: Line 6 now reads . . . Provisions of ACI 318, Section 21.10.4; Exception 2, last line now reads . . . Section 21.10.4; Exception 3 now reads . . . Section 21.10.4.4(a) of ACI 318...

Page 399, 1910.4.1: Last line now reads . . . as modified by Section 1908.1.7.

Page 400, 1910.5.2: Last line now reads . . . Section 1908.1.6.

Page 418, 2106.5.1: Section now reads . . . When calculating in-plane shear or diagonal tension stresses by the working stress design method, shear walls that resist seismic forces shall be designed to resist 1.5 times the seismic forces required by Chapter 16. The 1.5 multiplier need not be applied to the overturning moment.

Page 419, 2107.2.6: 2nd paragraph deleted

Page 432, 2113.3: line 5 now reads . . . in Sections 2113.3.1, 2113.3.2 and 2113.4.

Page 459, 2305.2.4.1: line 3 now reads . . . requirements in Section 1620.5 or Section 9.5.2.6.5 of ASCE 7

Page 460, Table 2305.3.3: Note a now reads . . . For design to resist seismic forces, shear wall height-width ratios greater than 2:1, but not exceeding  $3^{1/2}$ :1, are permitted provided the allowable shear resistance values in Table 2306.4.1 are multiplied by  $2w/h$ .

Page 510, Table 2308.12.4: Column 5, row 1 now reads . . .  $1.00 < S_{DS}$

Page 524, 2406.2: Section reference in line 2 now reads . . . Section 2406.2.1

### EDITORIAL CHANGES – THIRD PRINTING

Page 24, 302.3.2: Exception, line 4 now reads . . . the fire-resistance ratings in Table 302.3.2...

Page 24, Table 302.3.2: Note d now reads . . . See Section 406.1.4.

Page 28, Table 307.7(1): Note n added in title.

Page 29, Table 307.7(1): Note n added in title.

Page 29, Table 307.7(1): Note e now reads . . . e. Maximum allowable quantities shall be increased 100 percent when stored in approved storage cabinets, gas cabinets, exhausted enclosures or safety cans as specified in the *International Fire Code*. Where Note d also applies, the increase for both notes shall be applied accumulatively.

Page 29, Table 307.7(1): Note m now reads . . . m. For gallons of liquids, divide the amount in pounds by 10 in accordance with Section 2703.1.2 of the *International Fire Code*.

Page 29, Table 307.7(1): Note n now reads . . . n. For storage and display quantities in Group M and storage quantities in Group S occupancies complying with Section 414.2.4, see Table 414.2.4.

Page 40, 402.7.3: Exception, last line now reads . . . complying with Section 705.

Page 51, 410.3.1: Exception 1, last line now reads . . . with Section 410.3.4.

Page 56, Section 414.1.2.2 now reads **414.1.2.1 Aerosols** and 414.1.2.2 deleted.

Page 57, Table 414.2.4: Note i now reads . . . i. The permitted quantities shall not be limited in a building equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1.

Page 60, LIQUID STORAGE ROOM, last line now reads . . . liquids in a closed condition.

Page 74, Table 503: Group I-3, Type IIB55 now reads . . . 10,000

Page 134, Table 721.2.3(2): Title now reads . . . COVER THICKNESS FOR PRESTRESSED CONCRETE FLOOR OR ROOF SLABS (inches)

Page 178, 907.2.13: Line 4 now reads . . . be activated in accordance with Section 907.6.

Page 197, 1007.1: Exception 3, last line now reads . . . in Section 1024.8.

Page 199, 1008.1.2: Exception 6 now reads . . . Power-operated doors in accordance with Section 1008.1.3.2.

Page 213, 1016.4: now reads . . . **Air movement in corridors.** Exit access corridors shall not serve as supply, return, exhaust, relief or ventilation air ducts.

Page 217, 1021.3: Line 3 now reads . . . smoke detector installed in accordance with Section 907.10.

Page 248, 1405.9.1 has been deleted.

Page 248, 1405.9.1.1: now reads . . . **1405.9.1 Interior adhered masonry veneers.** Interior adhered masonry veneers shall have a maximum weight of 20 psf (0.958 kg/m<sup>2</sup>) and shall be installed in accordance with Section 1405.9. Where the interior adhered masonry veneer is supported by wood construction, the supporting members shall be designed to limit deflection to 1/600 of the span of the supporting members.

Page 425, 2110.1.1: Exception 1, line 4 now reads . . . 715 in fire barriers and fire partitions that have a...

Page 428, Table 2111.1: Row 2, column 3 now reads . . . 4-inch minimum thickness for hearth, 2-inch minimum thickness for hearth extension.

Page 441, 2211.2.2: Item 8, last line now reads . . . by Table 2211.2(1).

Page 441, Table 2211.2(2): Title now reads . . . NOMINAL SHEAR VALUES FOR WIND AND SEISMIC FORCES IN POUNDS PER FOOT FOR SHEAR WALLS FRAMED WITH COLD-FORMED STEEL STUDS AND FACED WITH GYPSUM BOARD<sup>a,b</sup>

Page 443, Table 2211.3: Table notes now read . . . a. See Section 2211.3.2, item 2. b. See Section 2211.3.2, item 1.

Page 443, 2211.3.2: Line 3 now reads . . . multiplied by the sum of the widths ( $SL_i$ ) of the Type II shear...

Page 443, 2211.3.3: Line 1 now reads . . . **Anchorage and load path.** Design of Type II shear wall...

Page 444, 2211.3.3.3: Line 3 now reads . . . Section 2211.3.3.1, Type II shear wall bottom plates...

Page 444, 2211.3.3.4: Line 2 now reads . . . each end of each Type II shear wall segment shall be...

Page 468, Table 2306.3.2: Note a, line 2 now reads . . . above for nail size of actual grade, and (3) Multiply value by the following adjustment factor =  $[1 - (0.5 - SG)]$ , where  $SG$  = Specific gravity of the framing lumber.

Page 547, Table 2902.1: Title now reads . . . MINIMUM NUMBER OF REQUIRED PLUMBING FIXTURES<sup>a</sup>

## EDITORIAL CHANGES – FOURTH PRINTING

Page 30, [F] TABLE 307.7(2): Note j added in title.

Page 30, [F] TABLE 307.7(2): Note j reads . . . For gallons of liquids, divide the amount in pounds by 10 in accordance with Section 2703.1.2 of the *International Fire Code*.

Page 40, 402.7.3: Exception, last two lines now read . . . building shall be separated by 2-hour fire-barriers complying with Section 706.

Page 45, 406.2.7: last 2 lines now read . . . rated from other occupancies in accordance with Section 302.3.

Page 83, TABLE 601: Type II, column B, last row, add a table note c to 0.

Page 342, 1621.1.3: Modified ASCE 7, Section 9.6.3.13, line 11 now reads . . . system listed in Section 307, shall, itself, be designed to . . .

Page 343, 1623.1.1: Modified ASCE 7, Section 9.13.6.2.3, line 2 now reads . . . system shall comply with Section 714.7 of the . . .

Page 350, 1704.5: line 5 now reads . . . Table 1604.5 and Section 1616.2).

Page 350, 1704.5: exception 1, row 5 now reads . . . 1604.5 and Section 1616.2).

Page 350, 1704.5.2: line 6 now reads . . . 1616.2), shall comply with Table 1704.5.1.

Page 355 and 356, 1707.7.1: now reads . . . Special inspection is required for the installation of the following components, where the component has a Component Importance Factor of 1.0 or 1.5 in accordance with Section 9.6.1.5 of ASCE 7.

Page 376, 1808.2.10: line 3 now reads . . . for each pile type in Sections 1809 and 1810 are permitted...

Page 384, 1810.6.2: exception line 2 now reads . . . 1808.2.10, the allowable stresses are permitted to be in-...

Page 397, 1908.1: line 2 now reads . . . cated in Sections 1908.1.1 through 1908.1.7.

Page 439, 2205.2.2: line 4 now reads . . . 341, Part I or III.

Page 539, 2602.7.2: line 4 now reads . . . ing, at an ambient temperature of at least 200°F (111°C) be- ...

## EDITORIAL CHANGES – FIFTH PRINTING

Page 28, Table 307.7(1): Oxidizer row, column 3, 2nd line now reads . . . H-2 or H-3

Page 59, 415.2: FLAMMABLE VAPORS OR FUMES, line 2 now reads . . . flammable constituents in air that exceed 25 percent of their...

Page 63, Table 415.3.1, Footnote c, line 4 now reads . . . explosive materials contained in detonator buildings or magazines shall govern in regard to the spacing of said detonator buildings or magazines from buildings or magazines containing other explosive materials. If any two or more buildings or magazines are separated from each other by less than the specified

“Separation of Magazines” distances, then such two or more buildings or magazines, as a group, shall be considered as one building or magazine, and the total quantity of explosive materials stored in such group shall be treated as if the explosive were in a single building or magazine located on the site of any building or magazine of the group, and shall comply with the minimum distance specified from other magazines or inhabited buildings.

Page 127, Table 720.1(3): Last sentence of item number 22 now reads . . . The wood structural panel thickness shall not be less than nominal  $1/2^2$  nor less than required by Chapter 23.

Page 157, 801.2.2: line 2 now reads . . . interior finish or trim except as provided in Section 2603.8 or 2604.

Page 182, 909.5.1, line 2 now reads . . . is the product of the smoke barrier gross area multiplied by...

Page 212, 1015.2: last line now reads . . . feet (122 m) for occupancies in Group F-1 or S-1.

Page 396, Table 1907.5.2.1: Row 1 under Depth now reads . . .  $d \leq 8$

Page 511, FIGURE 2308.12.6(1) changed as shown

Page 607, E104.3.2: Section reference now reads . . . E104.3.4.

## EDITORIAL CHANGES – SIXTH PRINTING

Page 61, 415.6: Item 2, last line now reads . . . as required for a high-hazard commodity classification as defined in Section 2303 of the *International Fire Code*.

Page 67, Table 415.9.2.1.1: Column 4, row 8, line 1 now reads . . . Note c

Page 120, Table 720.1(2), line 6, 15-1.13<sup>q</sup>: last line was deleted, “cavity to be filled with 51/2<sup>2</sup> mineral wool insulation minimum 2.58 pcf (nominal).”

Page 120, Table 720.1(2), line 8, 15.1.15<sup>q</sup>: entire line deleted.

Page 121, Table 720.1(2), line 2, column 2, item number changed to 16-1.2<sup>q</sup>, entire line moved down to become last line in table

Page 121, Table 720.1(2), line 3, column 2, item number changed to 15-1.15.

Page 190, Table 910.3: Column 3, row 2, line 1 now reads . . .  $0.2 \times H^c$

Page 190, Table 910.3: footnote c now reads . . . H is the height of the vent, in feet, above the floor.

Page 440, 2211.2: Item 1, last line now reads . . . design strength values.

Page 440, 2211.2.1: 2nd paragraph, line 2 now reads . . . the design strength value shall be determined by multiplying...

Page 441, 2211.2.2.1: Item 2, line 2 now reads . . . shear value or design strength value, are given...

Page 442, 2211.2.2.2: Item 1, line 2 now reads . . . shear value or design strength value, are given...

Page 442, 2211.2.2.3: Item 1, line 2 now reads . . . shear value or design strength value, are given...

Page 471, Table 2306.4.5: Footnote a, line 2 now reads . . . due to wind or seismic load. Walls resisting seismic loads shall be subject to the limitations in Section 1617.6. Values shown shall be reduced 25 percent for normal loading.

Page 543, 2702.2.5: now reads . . . 2702.2.5 Accessible means of egress elevators and platform lifts. Standby power shall be provided for elevators or platform lifts that are part of an accessible means of egress in accordance with Section 1007.4 or 1007.5, respectively.

Page 547, Table 2902.1: Title now reads . . . (See Sections 2902.2 and 2902.3)

Page 571, 3410.6.1.1: last line now reads . . .  $CF$  = Construction-type factor shown in Table 3410.6.6(2) if  $(AH) - (EBH)$  is negative.

Page 573, 3410.6.6.1: last 2 lines now read . . .  $PV$  = Protection value [Table 3410.6.6(1)]

$CF$  = Construction type factor [Table 3410.6.6(2)]

Page 573, 3410.6.7: line 3 now reads . . . Under the categories in Section 3410.6.7.1, ...

Page 577, 3410.6.18: line 6 now reads . . . sign the lowest score from Table 3410.6.18 for the building...

Page 577, Table 3410.6.18: NOTE now reads . . . For Table 3410.7, see page 578.

## EDITORIAL CHANGES – SEVENTH PRINTING

Page 413, 2103.11, line 3 now reads . . . through 2103.11.7.

Page 413, 2103.11.5, line 7 now reads . . . mium-nickel steel plate, sheet and strip and ASTM A 1008

Page 450, 2304.9.1, line 4 now reads . . . Fasteners connecting wood members shall not be less than that

Page 450, Table 2304.7(1): foot note a. now reads . . . Installation details shall conform to Sections 2304.7.1 and 2304.7.2 for floor and roof sheathing, respectively.

Page 450, Table 2304.7(1): foot note b. now reads . . . Floor or roof sheathing conforming with this table shall be deemed to meet the design criteria of Section 2304.7.

Page 454, Table 2304.9.1—continued: column 1, row 5 now reads . . . 21. 1<sup>2</sup> x 8<sup>2</sup> sheathing to each bearing

## EDITORIAL CHANGES – EIGHTH PRINTING

Page 31, Fireworks, 1.3g: line 10 now reads . . . Such 1.3G fireworks are also described as fireworks, UN 0335

Page 31, Fireworks, 1.4g: line 6 now reads . . . and labeling regulations of the DOTn for fireworks, UN 0336,

Page 110, 721.1: last 3 lines now reads . . . 216.1/TMS 216. The calculated fire resistance of steel assemblies shall be permitted in accordance with Chapter 5 of ASCE 29.

Page 155, 721.6.3.2: line 3 now reads . . . AF&PA NDS.

Page 264, 1507.13.2: last 2 lines now reads . . . roof coverings shall comply with ASTM D 4434 or CAN/CGSB 37.54.

Page 271, 1604.3.5: last 2 lines now reads . . . tural members shall not exceed that permitted by AA-ADM1.

Page 277, 1607.8: line 2 now reads . . . 1607.3 include allowance for impact conditions. Provisions

Page 278, Equation 16-23, variable 5: line 1 now reads . . .  $r$  = Rate of reduction equal to 0.08 percent per square foot (0.090293 m<sup>2</sup>) for floors.

Page 342, 1621.1.2: line 10 now reads . . . for suspended ceilings and Section 9.6.2.2 for other sys-

Page 351, Table 1704.5.1: column 1, row 5 now reads . . . c. Location of reinforcement, connectors, prestressing tendons and anchorage.

Page 381, 1809.3: line 3 now reads . . . 1809.3.4.

Page 397, 1908.1.3, subsection 21.2.5.3: line 3 now reads . . . *by the ACI TG/T1.1, for members in which prestressing*

Page 405, 2002.1: last 2 lines now reads . . . AA-ADM 1. The nominal loads shall be the minimum design loads required by Chapter 16.

Page 458, Equation 23-1: For SI now reads . . .

Page 459, variable 6: line 1 now reads . . .  $3(\Delta_c X)$  = Sum of individual chord-splice slip values on both

Page 463, 2306.1: American Forest & Paper Association standard now reads . . . AF & PA NDS National Design Specification for Wood Construction

## EDITORIAL CHANGES – NINTH PRINTING

Page 67, Table 415.9.2.1.1: Hazard Category column for Oxidizers row under the Liquids column should read 0.03 for Class 3, Class 2, Class 1 and Combination Class 1, 2 and 3

Page 81, 602.4.3: line 5 now reads... and have not less than 8 inches (203 mm) nominal in depth for....

Page 127, Table 720.1(3): Item Number 21-1.1, under the Floor or Roof Construction Column, the last two lines now read.... nominal 1/2" nor less than required by Chapter 23.

Page 138, Equation 7-9:  $R = (R_n^{0.59} + \rho l)^{1.7}$