SIXTH PRINTING (Updated May 12, 2010)

CHAPTER 4
SPECIAL DETAILED REQUIREMENTS BASED ON USE AND OCCUPANCY

402.15.5 Foam plastics. Foam plastics used in signs shall have flame-retardant characteristics such that the sign has a maximum heat-release rate of 150 kilowatts when tested in accordance with UL 1975 and the foam plastics shall have the physical characteristics specified in this section. Foam plastics used in signs installed in accordance with Section ~~402.14~~ 402.15 shall not be required to comply with the flame spread and smoke-developed indexes specified in Section 2603.3.

2006 International Building Code Errata

THIRD PRINTING (Updated December 17, 2007)

CHAPTER 3
USE AND OCCUPANCY CLASSIFICATION

[F] TABLE 307.1(1)
MAXIMUM ALLOWABLE QUANTITY PER CONTROL AREA OF HAZARDOUS MATERIALS POSING A PHYSICAL HAZARD[a,j,m,n,p]

MATERIAL	STORAGE[b]	USE-CLOSED SYSTEMS[b]
	Gas (cubic feet at NTP)	Liquid gallons (pounds)
Unstable (reactive)	10[~~d~~, g] 50[d,e] 250[d,e] N/L	(0.25)[g] (1)[d] (50)[d] N/L

(Portions of table not shown remain unchanged. Delete note d for first row of Unstable/Gas Storage. Add note d to second row of Unstable/Liquid gallons Use-Closed Systems. Posted 12-17-07)

CHAPTER 4
SPECIAL DETAILED REQUIREMENTS BASED ON USE AND OCCUPANCY

[F] TABLE 415.3.1
MINIMUM SEPARATION DISTANCES FOR BUILDINGS CONTAINING EXPLOSIVE MATERIALS

QUANTITY OF EXPLOSIVE MATERIALS[a]		MINIMUM DISTANCE (feet)		
		Lot lines[b] and inhabited buildings[c]		Separation of magazines[d,e,f]
Pounds over	Pounds not over	Barricaded[d]	Unbarricaded	
35,000	40,000	1,275 ~~1,340~~	2,000	248

(Change to column three. Portions of table not shown remain unchanged. Posted 12-17-07)

[F] TABLE 415.8.2.1.1
QUANTITY LIMITS FOR HAZARDOUS MATERIALS IN A SINGLE FABRICATION AREA IN GROUP H-5[a]

HAZARD CATEGORY		SOLIDS (pounds per square feet)	LIQUIDS (gallons per square feet)	GAS (feet^3 @ NTP/square feet)
PHYSICAL-HAZARD MATERIALS				
Oxidizer	Class 4	Note b	Note b	Not Applicable
	Class 3	0.003	0.03 ~~0.003~~	
	Class 2	0.003	0.03 ~~0.003~~	
	Class 1	0.003	0.03 ~~0.003~~	
Combination	Class 1, 2, 3	0.003	0.03 ~~0.003~~	

(Change to column three. Portions of table not shown remain unchanged. Posted 12-17-07)

CHAPTER 6
TYPES OF CONSTRUCTION

TABLE 601
FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (hours)
Row – Roof construction, Column – Type IIIA
Add reference to note c
(Reference to note c was editorially removed from Type IIB and Type IIIB for the 1st printing, however it was also deleted from IIIA unintentionally. posted 12-17-07)

602.4.3 Roof framing. Wood-frame or glued-laminated arches for roof construction, which spring from the floor line or from grade and do not support floor loads, shall have members not less than 6 inches (152 mm) nominal in width and have not less than 8 inches (203 mm) nominal in depth for the lower half of the height and not less than 6 inches (152 mm) nominal in depth for the upper half. Framed or glued laminated arches for roof construction that spring from the top of walls or wall abutments, framed timber trusses and other roof framing, which do not support floor loads, shall have members not less than 4 inches (102 mm) nominal in width and not less than 6 inches (152 mm) nominal in depth. Spaced members shall be permitted to be composed of two or more pieces not less than 3 inches (76 mm) nominal in thickness where blocked solidly throughout their intervening spaces or where spaces are tightly closed by a continuous wood cover plate of not less than 2 inches (51 mm) nominal in thickness secured to the underside of the members. Splice plates shall be not less than 3 inches (76 mm) nominal in thickness. Where protected by approved automatic sprinklers under the roof deck, framing members shall be not less than 3 inches (76 mm) nominal in width. *(Posted 12-17-07)*

CHAPTER 7
FIRE-RESISTANCE-RATED CONSTRUCTION

TABLE 715.5
FIRE WINDOW ASSEMBLY FIRE PROTECTION RATINGS

TYPE OF ASSEMBLY	REQUIRED ASSEMBLY RATING (hours)	MINIMUM FIRE WINDOW ASSEMBLY RATING (hours)
Interior walls:		
Fire walls	All	NP[a]
Fire barriers	>1	NP[a]
	1	3/4
Smoke barriers and fire partitions	1	3/4

(Add blank rows between fire walls, fire barrier and smoke barrier to align requirements, Remainder of table unchanged, posted 12-17-07)

TABLE 720.1(2)
RATED FIRE-RESISTANCE PERIODS FOR VARIOUS WALLS AND PARTITIONS

Item 14 – 14-1.5 Construction column
2" x 4" wood studs ~~1~~" 16" on center with two layers 5/8" Type X gypsum wallboard[e] each side. Base layers applied vertically and nailed with 6d cooler[n] or wallboard[n] nails at 9" on center. Face layer applied vertically or horizontally and nailed with 8d cooler[n] or wallboard[n] nails at 7" on center. For nail-adhesive application, base layers are nailed 6" on center. Face layers applied with coating of approved wallboard adhesive and nailed 12" on center. *(Remainder of table unchanged, posted 12-17-07)*

TABLE 720.1(3)
MINIMUM PROTECTION FOR FLOOR AND ROOF SYSTEMS

Item 21-1.1 Floor or Roof Construction column
21. Wood joists, floor trusses and flat or pitched roof trusses spaced a maximum 24" o.c. with ½" wood structural panels with exterior glue applied at right angles to top of joist or top chord of trusses with 8d nails. The wood structural panel thickness shall not be less than nominal ½" nor less than required by Chapter 23. *(posted 12-17-07)*

Item 22-1.1 Floor or Roof Construction column
22.Wood joists, wood I-joists, floor trusses and flat or pitched roof trusses spaced a maximum 24" o.c. with ½" wood structural panels with exterior glue applied at right angles to top of joist or top chord of trusses with 8d nails. The wood structural panel thickness shall not be less than nominal ½" nor less than required by Chapter 23. *(posted 12-17-07)*

CHAPTER 10
MEANS OF EGRESS

1022.1 Horizontal exits. Horizontal exits serving as an exit in a means of egress system shall comply with the requirements of this section. A horizontal exit shall not serve as the only exit from a portion of a building, and where two or more exits are required, not more than one-half of the total number of exits or total exit width shall be horizontal exits.

Exceptions:

1. Horizontal exits are permitted to comprise two-thirds of the required exits from any building or floor area for occupancies in Group I-2.
2. Horizontal exits are permitted to comprise 100 percent of the exits required for occupancies in Group I-3. At least 6 square feet (0.6 m2) of accessible space per occupant shall be provided on each side of the horizontal exit for the total number of people in adjoining compartments.

   Every fire compartment for which credit is allowed in connection with a horizontal exit shall not be required to have a stairway or door leading directly outside, provided the adjoining fire compartments have stairways or doors leading directly outside and are so arranged that egress shall not require the occupants to return through the compartment from which egress originates. *(indent paragraph as part of Exception 2, not main paragraph, posted 12-17-07)*

The area into which a horizontal exit leads shall be provided with exits adequate to meet the occupant requirements of this chapter, but not including the added occupant capacity imposed by persons entering it through horizontal exits from another area. At least one of its exits shall lead directly to the exterior or to an exit enclosure.

CHAPTER 16
STRUCTURAL DESIGN

1613.5.5.1 Steps for classifying a site.
Items 1 and 2 *(no change)*
3. *(no change)*
3.1 *(no change)*

3.2 revise $\overline{N}_{ch}$ to $\overline{N}$ *(no change to text not shown, posted 12-17-07)*

3.3 revise $\overline{N}$ to $\overline{N}_{ch}$ *(no change to text not shown, posted 12-17-07)*

FIGURE 1613.5(3)
MAXIMUM CONSIDERED EARTHQUAKE GROUND MOTION FOR REGION 1 OF 0.2 SEC SPECTRAL RESPONSE ACCELERATION (5% OF CRITICAL DAMPING), SITE CLASS B *(posted 12-17-07)*

FIGURE 1613.5(3)
MAXIMUM CONSIDERED EARTHQUAKE GROUND MOTION FOR REGION 1 OF 0.2 SEC SPECTRAL RESPONSE ACCELERATION (5% OF CRITICAL DAMPING), SITE CLASS B

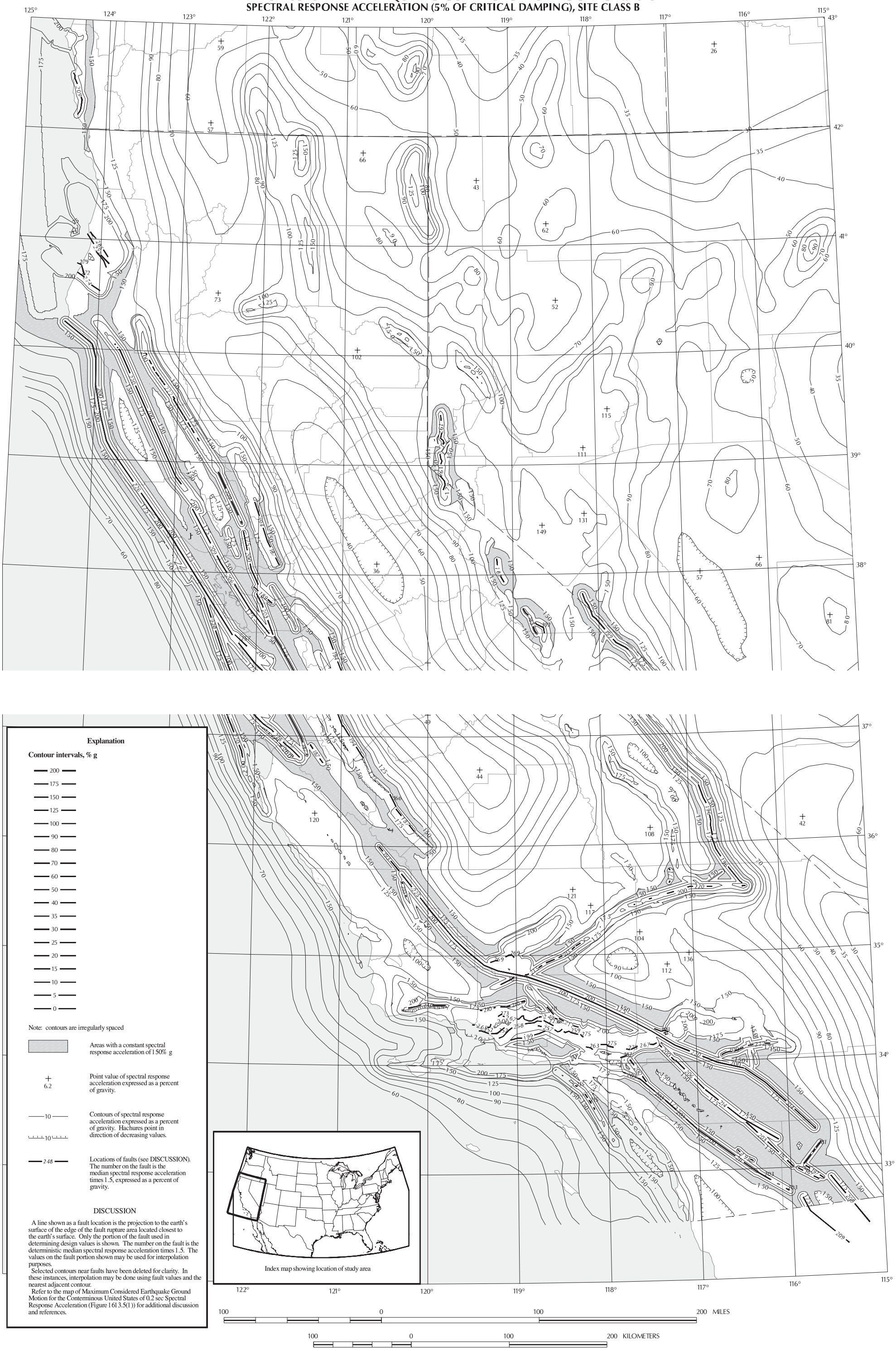

FIGURE 1613.5(3)-continued
MAXIMUM CONSIDERED EARTHQUAKE GROUND MOTION FOR REGION 1 OF 0.2 SEC SPECTRAL RESPONSE ACCELERATION (5% OF CRITICAL DAMPING), SITE CLASS B

CHAPTER 19
CONCRETE

TABLE 1911.2
ALLOWABLE SERVICE LOAD ON EMBEDDED BOLTS (pounds)

BOLT DIAMETER	MINIMUM EMBEDMENT	EDGE DISTANCE	SPACING
½	4 4	3 5	6 ~~5~~ 6

(Remainder of table not shown remains unchanged, posted 12-17-07)

CHAPTER 23
WOOD

TABLE 2304.9.1
FASTENING SCHEDULE

Revise item 31 as follows:

For "Subfloor, roof and wall sheathing (to framing)"
Fastenings: 1⅛" to 1¼" 10d[d] or 8d[d e]
(*change footnote d to e, remainder of table not shown remain unchanged, posted 12-17-07)*

TABLE 2306.4.5
ALLOWABLE SHEAR FOR WIND OR SEISMIC FORCES FOR SHEAR WALLS OF LATH AND PLASTER OR GYPSUM BOARD WOOD FRAMED WALL ASSEMBLIES

Item 4, for ½" thick gypsum board attached with No. 6 1 ¼" screws:

Construction	Spacing	Shear Value
Unblocked	8/12[h]	60
Blocked [g]	4/16 [h]	160
Blocked [f, g]	4/12 [h]	155 *(add reference to footnote f, posted 12-17-07)*
Blocked [f, g]	8/12 [h]	70 *(delete reference to footnote f, posted 12-17-07)*
Blocked [g]	6/12 [h]	90

CHAPTER 30
ELEVATORS AND CONVEYING SYSTEMS

3001.4 Change in use. A change in use of an elevator from freight to passenger, passenger to freight, or from one freight class to another freight class shall comply with Section 8.7 ~~Part XII~~ of ASME A17.1. *(posted 12-17-07)*

3006.5 Shunt trip. Where elevator hoistways or elevator machine rooms containing elevator control equipment are protected with automatic sprinklers, a means installed in accordance with NFPA 72, Section ~~3.9.4~~ 6.15.4, Elevator Shutdown, shall be provided to disconnect automatically the main line power supply to the affected elevator prior to the application of water. This means shall not be self-resetting. The activation of sprinklers outside the hoistway or machine room shall not disconnect the main line power supply. *(posted 12-17-07)*

CHAPTER 35
REFERENCED STANDARDS

ASTM C31/31M-~~98~~ 03a Practice for Making and Curing Concrete Test Specimens in the Field…Table 1704.4 *(posted 12-17-07)*

NFPA 259-~~04~~ 03 Test Method for Potential Heat of Building Materials….2603.4.1.10, 2603.5.3 *(posted 12-17-07)*

2006 International Building Code Errata

SECOND PRINTING (Updated January 31, 2007)

CHAPTER 7
FIRE-RESISTANCE-RATED CONSTRUCTION

716.5 Where required. Fire dampers, smoke dampers, combination fire/smoke dampers and ceiling radiation dampers shall be provided at the locations prescribed in Sections 716.5.1 through 716.5.5 and Section 716.6. Where an assembly is required to have both fire dampers and smoke dampers, combination fire/smoke dampers or a fire damper and a smoke damper shall be required. *(posted 1-31-07)*

721.2.3.3.1 Calculating concrete cover. The concrete cover for an individual tendon is the minimum thickness of concrete between the surface of the tendon and the fire-exposed surface of the beam, except that for ~~ungrouped~~ ungrouted ducts, the assumed cover thickness is the minimum thickness of concrete between the surface of the duct and the fire-exposed surface of the beam. For beams in which two or more tendons are used, the cover is assumed to be the average of the minimum cover of the individual tendons. For corner tendons (tendons equal distance from the bottom and side), the minimum cover used in the calculation shall be one-half the actual value. For stemmed members with two or more prestressing tendons located along the vertical centerline of the stem, the average cover shall be the distance from the bottom of the member to the centroid of the tendons. The actual cover for any individual tendon shall not be less than one-half the smaller value shown in Tables 721.2.3(4) and 721.2.3(5), or 1 inch (25 mm), whichever is greater. *(posted 1-31-07)*

CHAPTER 10
MEANS OF EGRESS

1007.5.1 Openness. Platform lifts on an accessible means of egress shall not be installed in a fully enclosed ~~or fire rated shaft~~ hoistway. *(posted 1-31-07)*

1008.1.3.3 Horizontal sliding doors. In other than Group H occupancies, horizontal sliding doors permitted to be a component of a means of egress in accordance with Exception ~~5~~ 6 to Section 1008.1.2 shall comply with all of the following criteria: *(posted 1-31-07)*
Item 1 through 8 – *(No change)*

1012.4 Continuity. Handrail-gripping surfaces shall be continuous, without interruption by newel posts or other obstructions.

Exceptions:

1. Handrails within dwelling units are permitted to be interrupted by a newel post at a stair or ramp landing. *(posted 1-31-07)*
2. Within a dwelling unit, the use of a volute, turnout or starting easing is allowed on the lowest tread.
3. Handrail brackets or balusters attached to the bottom surface of the handrail that do not project horizontally beyond the sides of the handrail within 1.5 inches (38 mm) of the bottom of the handrail shall not be considered obstructions. For each 0.5 inch (12.7 mm) of additional handrail perimeter dimension above 4 inches (102 mm), the vertical clearance dimension of 1.5 inches (38 mm) shall be permitted to be reduced by 0.125 inch (3 mm).

1012.5 Handrail extensions. Handrails shall return to a wall, guard or the walking surface or shall be continuous to the handrail of an adjacent stair flight or ramp run. At stairways where handrails are not continuous between flights, the handrails shall extend horizontally at least 12 inches (305 mm) beyond the top riser and continue to slope for the depth of one tread beyond the bottom riser. At ramps where handrails are not continuous between runs, the ~~handrail~~ handrails shall extend horizontally above the landing 12 inches (305 mm) minimum beyond the top and bottom ~~ramps~~ of ramp runs. *(posted 1-31-07)*

Exceptions:

1. Handrails within a dwelling unit that is not required to be accessible need extend only from the top riser to the bottom riser.
2. Aisle handrails in Group A occupancies in accordance with Section 1025.13.

CHAPTER 11
ACCESSIBILITY

1107.7.5 Design flood elevation. The required number of Type A and Type B units shall not apply to a site where the required elevation of the lowest floor or the lowest horizontal structural building members of nonelevator buildings are at or above the design flood elevation resulting in:

1. A difference in elevation between the minimum required floor elevation at the primary entrances and vehicular and pedestrian arrival points within 50 feet (15 240 mm) exceeding 30 inches (762 mm); and
2. A slope exceeding 10 percent between the minimum required floor elevation at the primary entrances and vehicular and pedestrian arrival points within 50 feet (15 240 mm).

Where no such arrival points are within 50 feet (15240 mm) of the primary entrances, the closest arrival points shall be used. *(posted 1-31-07)*

CHAPTER 15
ROOF ASSEMBLIES AND ROOFTOP STRUCTURES

TABLE 1507.4.3(1)
METAL ROOF COVERING
(No change to table)
a. For Group U buildings, the minimum coating thickness for ASTM A 653 galvanized steel roofing shall be G-60. *(posted 1-31-07)*

CHAPTER 21
MASONRY

2107.8 ACI 530/ASCE 5/TMS 402, Section 2.3.7, maximum reinforcement percentage. Add the following text to Chapter 2:
2.3.7 Maximum reinforcement percentage. Special reinforced masonry shear walls having a shear span ratio, ~~M/V_d~~ M/Vd, equal to or greater than 1.0 and having an axial load, P, greater than $0.05 f_m A_n$ that are subjected to in-plane forces shall have a maximum reinforcement ratio, ρ_{max}, not greater than that computed as follows: *(posted 1-31-07)*

(No change to Equation 21-3)

The maximum reinforcement ratio does not apply in the out-of-plane direction.

CHAPTER 26
PLASTIC

2603.5.2 Thermal barrier. Any foam plastic insulation shall be separated from the building interior by a thermal barrier meeting the provisions of Section 2603.4, unless special approval is obtained on the basis of Section ~~2603.8~~ 2603.9. *(posted 1-31-07)*

Exception: One-story buildings complying with Section 2603.4.1.4.

SECOND PRINTING (Updated January 31, 2007)

CHAPTER 31
SPECIAL CONSTUCTION

3104.3 Construction. The pedestrian walkway shall be of noncombustible construction.
Exceptions:
1. Combustible construction shall be permitted where connected buildings are of combustible construction.
2. Fire-retardant-treated wood, in accordance with ~~Table 601, Note c~~ Section 603.1, Item 1.3, shall be permitted for the roof construction of the pedestrian walkway where connected buildings are a minimum of Type I or II construction. *(posted 1-31-07)*

CHAPTER 35
REFERENCED STANDARDS

PCI
Precast Prestressed Concrete Institute
~~175~~ 209 W. Jackson Boulevard, Suite ~~1859~~ 500
Chicago, IL ~~60604-9773~~ 60606-6938 *(posted 1-31-07)*

2006 International Building Code Errata

FIRST PRINTING (Updated July 1, 2006)

CHAPTER 1
ADMINISTRATION

106.3.4.1 General. ….. ~~Where structural observation is required by Section 1709, the statement of special inspections shall name the individual or firms who are to perform structural observation and describe the stages of construction at which structural observation is to occur (see also duties specified in Section 1704).~~ (*posted 7-1-06)*

CHAPTER 3
USE AND OCCUPANCY CLASSIFICATION

303.1 Assembly Group A. *(No change)*.

Exceptions:

1. A building or tenant space used for assembly purposes with an occupant load of less than 50 persons shall be classified as a Group B occupancy.

(Remainder of section unchanged, posted 7-1-06)

[F] 307.1 High-hazard Group H. *(No change)*.

Exceptions: The following shall not be classified in Group H, but shall be classified in the occupancy that they most nearly resemble:

(1. through 4. No change.)

5. Closed piping system containing flammable or combustible liquids or gases utilized for the operation of machinery or equipment. *(posted 7-1-06)*

(6. through 15. No change.)

[F]TABLE 307.1(1)
MAXIMUM ALLOWABLE QUANTITY PER CONTROL AREA OF HAZARDOUS MATERIALS POSING A PHYSICAL HAZARD

(No change to table)

a through m. *(No change)*

n. For storage and display quantities in Group M and storage quantities in Group S occupancies complying with Section ~~414.2.4~~ 414.2.5 see Tables 414.2.5(1) and 414.2.5(2). *(posted 7-1-06)*

o. and p. *(No change)*

[F]TABLE 307.1(2)
MAXIMUM ALLOWABLE QUANTITY PER CONTROL AREA OF HAZARDOUS MATERIALS POSING A HEALTH HAZARD

(No change to table)

a and b. *(No change)*

c. For storage and display quantities in Group M and storage quantities in Group S occupancies complying with Section ~~414.2.4~~ 414.2.5 see ~~Table 414.2.4(1)~~ Tables 414.2.5(1) and 414.2.5(2). *(posted 7-1-06)*

d. through j. *(No change)*

309.2 Quantity of hazardous materials. The aggregate quantity of nonflammable solid and nonflammable or noncombustible liquid hazardous materials stored or displayed in a single control area of a Group M occupancy shall not exceed the quantities in Table ~~414.2.4(1)~~ 414.2.5(1). *(posted 7-1-06)*

CHAPTER 4
SPECIAL DETAILED REQUIREMENTS BASED ON USE AND OCCUPANCY

406.2.3 Guards. Guards shall be provided in accordance with Section ~~1012~~ 1013 at exterior and interior vertical openings on floor and roof areas where vehicles are parked or moved and where the vertical distance to the ground or surface directly below exceeds 30 inches (762 mm). *(posted 7-1-06)*

410.3.6 Scenery. Combustible materials used in sets and scenery shall meet the fire propagation performance criteria of NFPA 701, in accordance with Section ~~805~~ 806 and the *International Fire Code*. Foam plastics and materials containing foam plastics shall comply with Section 2603 and the *International Fire Code*. *(posted 7-1-06)*

[F] 414.2.3 Number. The maximum number of control areas within a building shall be in accordance with Table ~~414.2.3~~ 414.2.2. *(posted 7-1-06)*

[F] 415.6.1 Combustible dusts, grain processing and storage. The provisions of Sections 415.6.1.1 through 415.6.1.6 shall apply to buildings in which materials that produce combustible dusts are stored or handled. Buildings that store or handle combustible dusts shall comply with the applicable provisions of NFPA 61, NFPA 120, NFPA 484 ~~651~~, NFPA 654, NFPA 655, NFPA 664 and NFPA 85, and the *International Fire Code*. *(posted 7-1-06)*

CHAPTER 5
GENERAL BUILDING HEIGHTS AND AREAS

508.2.2.1 Construction. …. Doors shall be self- or automatic closing upon detection of smoke in accordance with Section 715.4.7.3. …. *(posted 7-1-06)*

TABLE 508.2
INCIDENTAL USE AREAS

ROOM OR AREA	SEPARATION AND/OR PROTECTION
Stationary storage ~~lead-acid~~ battery systems having a liquid capacity of more than 100 gallons used for facility standby power, emergency power or uninterrupted power supplies	1-hour in Group B, F, M, S and U occupancies. 2-hour in Group A, E, I and R occupancies.

(Portions of table not shown do not change, posted 7-1-06)

CHAPTER 7
FIRE-RESISTANCE-RATED CONSTRUCTION

702.1 Definitions. …

FIRE SEPARATION DISTANCE. The distance measured from the building face to one of the following:
1. The closest interior lot line;
2. To the centerline of a street, an alley or public way; or
3. To an imaginary line between two buildings on the property.

The distance shall be measured at right angles from the face of the wall. *(posted 7-1-06)*

TABLE 704.8
MAXIMUM AREA OF EXTERIOR WALL OPENINGS
(Delete four references to note b in the table, remainder of table unchanged, posted 7-1-06)
a. *(No change)*
b. ~~See Section 704.7 for unexposed surface temperature.~~ Not used. *(posted 7-1-06)*
c. through j. *(No change)*

706.3.7 Control areas. Fire barriers separating control areas shall have a fire-resistance rating of not less than that required in Section ~~414.2.3~~ 414.2.4. *(posted 7-1-06)*

706.3.8 Separation of mixed occupancies. Where the provisions of Section ~~508.3.2~~ 508.3.3 are applicable, the fire barrier separating mixed occupancies shall have a fire-resistance rating of not less than that indicated in Section ~~508.3.2~~ 508.3.3 based on the occupancies being separated. *(posted 7-1-06)*

706.4 Exterior walls. Where exterior walls serve as a part of a required fire-resistance-rated shaft or exit enclosure~~,~~ or separation such walls shall comply with the requirements of Section 704 for exterior walls and the fire-resistance-rated enclosure or separation requirements shall not apply.

Exception: ~~Exterior walls required to be fire-resistance rated in accordance with Section 1023.6.~~ Exterior walls required to be fire-resistance rated in accordance with Section 1014.5.1 for exterior egress balconies, Section 1020.1.4 for exit enclosures and Section 1023.6 for exterior exit ramps and stairways. *(posted 7-1-06)*

~~**706.6 Exterior walls.** Where exterior walls serve as a part of a required fire-resistance-rated enclosure or separation, such walls shall comply with the requirements of Section 704 for exterior walls, and the fire-resistance-rated enclosure or separation requirements shall not apply.~~

~~**Exception:** Exterior walls required to be fire-resistance rated in accordance with Section 1014.5.1 for exterior egress balconies, Section 1020.1.4 for exit enclosures and Section 1023.6 for exterior exit ramps and stairways.~~ *(Duplicate of Section 706.4, posted 7-1-06)*

Renumber Sections 706.7 through 706.10 due to deletion of 706.6. (posted 7-1-06)

707.7 Openings. Openings in a shaft enclosure shall be protected in accordance with Section 715 as required for fire barriers. Doors shall be self- or automatic closing by smoke detection in accordance with Section 715.4.7.3 ~~715.3.7.3.~~ *(posted 7-1-06)*

711.3 Fire-resistance rating. … Where the floor assembly separates mixed occupancies, the assembly shall have a fire-resistance rating of not less than that required by Section ~~508.3.2~~ 508.3.3 based on the occupancies being separated. …..*(posted 7-1-06)*

712.4.1 Fire-resistance rated assemblies. Penetrations of the fire-resistance rated floor, floor/ceiling assembly or the ceiling membrane of a roof/ceiling assembly shall comply with Sections 712.4.1.1 through ~~714.4.1.5~~ 712.4.1.4. *(posted 7-1-06)*

712.4.1.2 Membrane penetrations. *(No change)*

Exceptions:

1. Membrane penetrations ~~of maximum 2-hour fire-resistance-rated walls and partitions~~ by steel, ferrous or copper conduits, pipes, tubes or vents, or concrete or masonry items where the annular space is protected either in accordance with Section 712.4.1.1 or to prevent the free passage of flame and the products of combustion. The aggregate area of the openings through the membrane shall not exceed 100 square inches (64 500 mm2) in any 100 square feet ($9.3m^2$) of ceiling area in assemblies tested without penetrations. *(posted 7-1-06)*

2. through 4. *(No change)*

~~**712.4.1.5 Floor fire doors.** Floor fire doors used to protect openings in fire-resistance-rated floors shall be tested in accordance with NFPA 288, and shall achieve a fire resistance rating not less than the assembly being penetrated. Floor fire doors shall be labeled by an approved agency.~~ *(Duplicate of Section 711.8, posted 7-1-06)*

~~**712.4.3 Ducts and air transfer openings.** Penetrations of horizontal assemblies by ducts that are not protected with dampers shall comply with Section 712.2 and Sections 712.4 through 712.4.2.2. Ducts and air transfer openings that are protected with dampers shall comply with Section 716.~~ *(Duplicate of Section 712.4.1.3, posted 7-1-06)*

~~**712.4.4 Dissimilar materials.** Noncombustible penetrating items shall not connect to combustible materials beyond the point of firestopping unless it can be demonstrated that the fire-resistance integrity of the horizontal assembly is maintained.~~ *(Duplicate of Section 712.4.1.4, posted 7-1-06)*

TABLE 715.4
FIRE DOOR AND FIRE SHUTTER FIRE PROTECTION RATINGS

(No change to table)

a. (No change)

b. For testing requirements, see Section ~~715.3.3~~ 715.4.3. *(posted 7-1-06)*

TABLE 715.5
FIRE WINDOW ASSEMBLY FIRE PROTECTION RATINGS

TYPE OF ASSEMBLY	REQUIRED ASSEMBLY RATING (hours)	MINIMUM FIRE WINDOW ASSEMBLY RATING (hours)
Interior walls:		
Fire walls	All	NP[a]
Fire barriers	>1	NP[a]
	1	3/4
Smoke barriers and fire partitions	1	3/4

(Add space in first column between fire barrier and smoke barrier to align requirements, Remainder of table unchanged, posted 7-1-06)

TABLE 720.1(2)
RATED FIRE-RESISTANCE PERIODS FOR VARIOUS WALLS AND PARTITIONS

Item 15 – 15-1.16, Construction column

~~2″ × 4″ wood studs at 16″ with double top plates, single bottom plate; interior sides covered with 5/8″ Type X gypsum wallboard, 4′ wide, applied horizontally unblocked, and fastened with 21/4″ Type S drywall screws, spaced 12″ on center, wallboard joints covered with paper tape and joint compound, fastener heads covered with joint compound. Exterior covered with 3/8″ wood structural panels applied vertically, horizontal joints blocked and fastened with 6d common nails (bright)—12″ on center in the field, 6″ on center panel edges. Cavity to be filled with 31/2″ mineral wool insulation. Rating established~~

2” x 6” wood studs at 24” centers with double top plates, single bottom plate; interior and exterior side covered with two layers of 5/8” Type X gypsum wallboard, 4’ wide, applied horizontally with vertical joints over studs. Base layer fastened with 2-1/4” Type S drywall screws, spaced 8” on center, wallboard joints covered with paper tape and joint compound, fastened heads covered with joint compound. Cavity to be filled with 5-1/2” mineral wool insulation. *(posted 7-1-06)*

Item 16 – 16-1.3, Construction column
2″ x 6″wood studs at 16″centers with double top plates, single bottom plates; interior side covered with 5/8″Type X gypsum wallboard, 4″ 4' wide, applied vertically with all joints over framing or blocking and fastened with 21/4″Type S drywall screws spaced 7″ on center. Joints to be covered with tape and joint compound. Exterior covered with 3/8″wood structural panels (oriented strand board), applied vertically with edges over framing or blocking and fastened with 6d common nails (bright) at 12″on center in the field and 6″on center on panel edges. R-19 fiberglass insulation installed in stud cavity. *(change 4 inches to 4 feet, posted 7-1-06)*

TABLE 720.1(3)
MINIMUM PROTECTION FOR FLOOR AND ROOF SYSTEMS
(First Column)
21. Wood joists, wood I-joist, floor trusses and flat or pitched roof trusses spaced a maximum 24"o.c. with 1/2"wood structural panels with exterior glue applied at right angles to top of joist or top chord of trusses with 8d nails. The wood structural panel thickness shall not be less than nominal 1/2"less than required by Chapter 23. *(posted 7-1-06)*

22. Steel ~~Wood~~ joists, ~~wood I-joists,~~ floor trusses and flat or pitched roof trusses spaced a maximum 24"o.c. with 1/2"wood structural panels with exterior glue applied at right angles to top of joist or top chord of trusses with ~~8d nails~~ No. 8 screws. The wood structural panel thickness shall not be less than nominal ½" less than required by Chapter 23. *(posted 7-1-06)*

23. Wood I-joist (minimum joist depth 9-1/4" with a minimum flange depth of 1-5/16" and a minimum flange cross-sectional area of 2.3 square inches) at 24"o.c. spacing with 1x4 (nominal) wood furring strip spacer applied parallel to and covering the bottom of the bottom flange of each member, tacked in place. 2"mineral wool ~~fiber~~ insulation, 3.5 pcf (nominal) installed adjacent to the bottom flange of the I-joist and supported by the 1x4 furring strip spacer. *(posted 7-1-06)*

TABLE 720.1(3)
MINIMUM PROTECTION FOR FLOOR AND ROOF SYSTEMS
Delete Item 24 (posted 7-1-06)

TABLE 720.1(3)
MINIMUM PROTECTION FOR FLOOR AND ROOF SYSTEMS
(Correction for heading over items 28, 29 and 30)

FLOOR OR ROOF CONSTRUCTION	ITEM NUMBER	CEILING CONSTRUCTION	THICKNESS OF FLOOR OR ROOF CONSTRUCTION (inches)				MINIUM THICKNESS OF CEILING (inches)			
			~~1~~ 4 hour	~~1~~ 3 hour	~~1~~ 2 hour	1 hour	~~1~~ 4 hour	~~1~~ 3 hour	~~1~~ 2 hour	1 hour

(posted 7-1-06)

CHAPTER 9
FIRE PROTECTION SYSTEMS

[F] 903.3.1.1 NFPA 13 sprinkler systems. Where the provisions of this code require that a building or portion thereof be equipped throughout with an automatic sprinkler system in accordance with this section, sprinklers shall be installed throughout in accordance with NFPA 13 except as provided in Section 903.3.1.1.1.

[F] 909.9.2 Separation distance. Determination of the design fire shall include consideration of the type of fuel, fuel spacing and configuration.

~~$R = [Q/(12\pi q'')]1/2$~~ **~~(Equation 9-8)~~**
~~where:~~
~~q = Incident radiant heat flux required for nonpiloted ignition, Btu/ft2 □ s (W/m2).~~
~~Q = Heat release from fire, Btu/s (kW).~~
~~R = Separation distance from target to center of fuel package, feet (m).~~ *(posted 7-1-06)*

[F] 909.10.1 Exhaust fans. *(Renumber equation 9-9 to 9-3, posted 7-1-06)*

[F] TABLE 910.3
REQUIREMENTS FOR DRAFT CURTAINS AND SMOKE AND HEAT VENTS
(Change references in first column, 4 occurrences – Section 910.2.2 ~~910.2.3~~) (posted 7-1-06)

[F] 910.4.2 Size. *(Renumber equation 9-10 to 9-4, posted 7-1-06)*

CHAPTER 10
MEANS OF EGRESS

1007.2 Continuity and components. *(No change)*
Items 1 through 5. *(No change)*
6. Horizontal exits complying with Section ~~1021~~ 1022. *(posted 7-1-06)*
Items 7 and 8. *(No change)*

1007.6.2 Separation. Each area of refuge shall be separated from the remainder of the story by a smoke barrier complying with Section 709 or a horizontal exit complying with
Section ~~1021~~ 1022. Each area of refuge shall be designed to minimize the intrusion of smoke.
Exception: Areas of refuge located within a vertical exit enclosure. *(posted 7-1-06)*

1008.1 Doors. Means of egress doors shall meet the requirements of this section. Doors serving a means of egress system shall meet the requirements of this section and Section ~~1017.2~~ 1018.2. …….*(posted 7-1-06)*

1023.1 Exterior exit ramps and stairways. Exterior exit ramps and stairways serving as an element of a required means of egress shall comply with this section.
Exception: Exterior exit ramps and stairways for outdoor stadiums complying with Section ~~1019.1~~ 1020.1, Exception 2. *(posted 7-1-06)*

1023.5 Location. Exterior exit ramps and stairways shall be located in accordance with Section ~~1023.3~~ 1024.3. *(posted 7-1-06)*

CHAPTER 11
ACCESSIBILITY

1109.7 Lifts. Platform (wheelchair) lifts are permitted to be a part of a required accessible route in new construction where indicated in Items 1 through ~~7~~ 10. Platform (wheelchair) lifts shall be installed in accordance with ASME A18.1. *(posted 7-1-06)*

Items 1 through 10. *(No change)*

CHAPTER 23
WOOD

Section 2305.3.2, Equation 23-2
(The term 'Eab' in the equation should be 'EAb', posted 7-1-06)

CHAPTER 27
ELECTRICAL

[F] 2702.2 Where required. Emergency and standby power systems shall be provided where required by Sections 2702.2.1 through ~~2702.2.19~~ 2702.2.20. *(posted 7-1-06)*

CHAPTER 30
ELEVATORS AND CONVEYING SYSTEMS

3006.4 Machine rooms and machinery spaces. Elevator machine rooms and machinery spaces shall be enclosed with fire barriers complying with Section 706 or horizontal assemblies complying with Section 711 having ~~with~~ a fire-resistance rating not less than the required rating of the hoistway enclosure served by the machinery. Openings shall be protected with assemblies having a fire-protection rating not less than that required for the hoistway enclosure doors. *(posted 7-1-06)*

CHAPTER 31
SPECIAL CONSTRUCTION

3104.5 Fire barriers between pedestrian walkways and buildings. *(No change)*
Exceptions: 1 through 4 *(No change)*
The previous exceptions shall apply to pedestrian walkways have a maximum height above grade of three stories or 40 feet (12 192mm), or five stories or 55 feet (16 764mm) where sprinklered. *(posted 7-1-06)*

CHAPTER 33
SAFEGUARDS DURING CONSTRUCTION

~~**3310.3 Stairway floor number signs.** Temporary stairway floor number signs shall be provided in accordance with the requirements of Section 1020.1.6.~~ *(posted 7-1-06)*

CHAPTER 34
EXISTING STRUCTURES

3403.2.3.2 Alterations. Alterations are permitted to be made to any structure without requiring the structure to comply with Section 1613, provided the alterations conform to the requirements for a new structure. Alterations that increase the seismic force in any existing structural element by more than 10 percent cumulative since the original construction or decrease the design strength of any existing structural element to resist seismic forces by more than 10 ~~5~~ percent cumulative since the original construction shall not be permitted unless the entire seismic- force-resisting system is determined to conform to ASCE 7 for a new structure. If the building's seismic base shear capacity has been increased since the original construction, the percent change in base shear may be calculated relative to the increased value. *(posted 7-1-06)*
Exception: *(No change)*

3410.6.13 Maximum exit access travel distance. ….. The maximum allowable exit access travel distance shall be determined in accordance with Section ~~1015.1~~ 1016.1…. *(posted 7-1-06)*

CHAPTER 35
REFERENCED STANDARDS

NFPA
484-02 Combustible Metals, Metal Powders and Metal Dust *(posted 7-1-06)*
~~651-98 Machining and Finishing of Aluminum and the Production and Handling of Aluminum Powders~~ *(posted 7-1-06)*

UL
127-~~99~~ 96 Factory-built Fireplaces – with Revisions through November 1999

APPENDIX C
GROUP U-AGRICULTURAL BUILDINGS

C103.1 Mixed occupancies. Mixed occupancies shall be protected in accordance with ~~Chapter 3~~ Section 508. *(posted 7-1-06)*