

101.1 Title. These regulations shall be known as the North Carolina Building Code as adopted by the NC Carolina Building Code Council on September 14, 2010 to be effective September 1, 2011. References to the International Code shall mean the North Carolina Codes. The North Carolina amendments to the International Code are underlined.

101.2 Scope. The provisions of this code shall apply to the construction, *alteration*, movement, enlargement, replacement, repair, equipment, use and occupancy, location, maintenance, removal and demolition of every building or structure or any appurtenances connected or attached to such buildings or structures.

Exceptions:

1. Detached one- and two-family dwellings and multiple single-family dwellings (townhouses) not more than three stories above grade plane in height with a separate means of egress and their accessory structures shall comply with the International Residential Code.

2. Farm buildings located outside the building rules jurisdiction of any municipality.

Exception: All buildings used for sleeping purposes shall conform to the provisions of the technical codes.

3. The design, construction, location, installation or operation of equipment for storing, handling and transporting liquefied petroleum gases for fuel purposes up to the outlet of the first stage pressure regulator, and anhydrous ammonia or other liquid fertilizers.

4. The design, construction, location, installation or operation of equipment or facilities of a public utility, as defined in G.S. 62-3, or an electric or telephone membership corporation, including without limitation poles, towers and other structures supporting electric or communication lines from the distribution network up to the meter location.

Note: All buildings owned and operated by a public utility or an electric or telephone membership corporation shall meet the provisions of the code.

5. The Storage and Handling of hazardous Chemicals Right to Know Act, Article 18 of Chapter 95 of the North Carolina General Statutes.

101.2.1 Appendices. Provisions in the appendices shall not apply unless specifically adopted or referenced in this code.

101.4.4 Property maintenance. Deleted.

101.5 Requirements of other State agencies, occupational licensing boards or commissions. The North Carolina State Building Codes do not include all additional requirements for buildings and structures that may be imposed by other State agencies, occupational licensing boards and commissions. It shall be the responsibility of a permit holder, design professional, contractor or occupational licensing holder to determine whether any additional requirements exist.

**SECTION 103
DEPARTMENT OF BUILDING SAFETY**

Deleted. See the North Carolina Administrative Code and Policies.

**SECTION 104
DUTIES AND POWERS OF BUILDING OFFICIAL**

Deleted. See the North Carolina Administrative Code and Policies.

**SECTION 105
PERMITS**

Deleted. See the North Carolina Administrative Code and Policies.

**SECTION 106
FLOOR AND ROOF DESIGN LOADS**

Deleted. See the North Carolina Administrative Code and Policies.

**SECTION 107
SUBMITTAL DOCUMENTS**

Deleted. See the North Carolina Administrative Code and Policies.

**SECTION 108
TEMPORARY STRUCTURES AND USES**

Deleted. See the North Carolina Administrative Code and Policies.

**SECTION 109
FEES**

Deleted. See the North Carolina Administrative Code and Policies.

**SECTION 110
INSPECTIONS**

Deleted. See the North Carolina Administrative Code and Policies.

**SECTION 111
CERTIFICATE OF OCCUPANCY**

Deleted. See the North Carolina Administrative Code and Policies.

**SECTION 112
SERVICE UTILITIES**

Deleted. See the North Carolina Administrative Code and Policies.

**SECTION 113
BOARD OF APPEALS**

Deleted. See the North Carolina Administrative Code and Policies.

**SECTION 114
VIOLATIONS**

Deleted. See the North Carolina Administrative Code and Policies.

**SECTION 115
STOP WORK ORDER**

Deleted. See the North Carolina Administrative Code and Policies.

**SECTION 116
UNSAFE STRUCTURES AND EQUIPMENT**

Deleted. See the North Carolina Administrative Code and Policies.

**SECTION 202
DEFINITIONS**

APPROVED. Acceptable to the code official or authority having jurisdiction for compliance with the provisions of the applicable code or referenced standard.

REGISTERED DESIGN PROFESSIONAL. An individual who is registered or licensed to practice his respective design profession as defined by the statutory requirements of the professional registration laws of the state or jurisdiction in which the project is to be constructed. Design by a registered design professional is not required where exempt under the registration or license law.

TEMPORARY OVERFLOW SHELTER. A shelter that provides Temporary Overflow accommodations from an approved homeless shelter in accordance with Section 424.

308.5.1 Adult care facility. A facility that provides accommodations for less than 24 hours for more than five unrelated adults and provides supervision and *personal care services* shall be classified as Group I-4.
Exception: Deleted.

310.1

R-3 Residential occupancies where the occupants are primarily permanent in nature and not classified as Group R-1, R-2, R-4 or I, including:

Buildings that do not contain more than two *dwelling units*.

Adult facilities that provide accommodations for five or fewer persons of any age for less than 24 hours.

Child care facilities that provide accommodations for eight or fewer persons with no more than five preschool for less than 24 hours.

Congregate living facilities with 16 or fewer persons.

Adult care and child care facilities that are within a single-family home are permitted to comply with the *International Residential Code*.

R-4 Residential occupancies shall include buildings arranged for occupancy as residential care/assisted living facilities, or adult and child day care facilities that provide accommodations in a residence occupied as a home by the caregiver for persons of any age for less than 24 hours, including more than five but not more than 16 occupants, excluding staff.

403.6.1 Fire service access elevator. In buildings with an occupied floor 10 or more stories above the lowest level of fire department vehicle access, a minimum of one fire service access elevator shall be provided in accordance with Section 3007.

407.5.1 Dry-pipe sprinkler system. When dry-pipe sprinkler systems are installed, upon activation, a full flow of water shall be delivered to the most remote point of the system in no more than 60 seconds.

407.7 Automatic fire detection. *Corridors* in Group I-2 and spaces permitted to be open to the *corridors* by Section 407.2 shall be equipped with an automatic fire detection system. Hospitals shall be equipped with smoke detection as required in Section 407.2.

Exceptions:

1. *Corridor* smoke detection is not required in smoke compartments that contain patient *sleeping units* where patient *sleeping units* are provided with smoke detectors that comply with UL 268. Such detectors shall provide a visual display on the corridor side of each patient sleeping unit and an audible and visual alarm at the nursing station attending each unit.
2. *Corridor* smoke detection is not required in smoke compartments that contain patient *sleeping units* where patient *sleeping unit* doors are equipped with automatic door-closing devices with integral smoke detectors on the unit sides installed in accordance with their listing, provided that the integral detectors perform the required alerting function.

407.10 Locks and latches. Door-locking arrangements shall be permitted in Group I-2 where the clinical or security needs of the patients require specialized locking measures for their safety or the safety of others, provided keys are carried at all times by staff that are responsible for the evacuation of the occupants within the locked building unit(s). Provisions for remote locking and unlocking of occupied rooms are required where more than ten locks are necessary to be unlocked in order to move occupants from one smoke compartment to another smoke compartment. These locks may include mechanical locks, electromagnetic locks and other approved locking devices.

407.11 Special locking arrangements for Licensed Group I-2 and large residential care facilities as described in Section 424.5. Buildings protected throughout by an *automatic* fire detection system or *automatic sprinkler system* and in compliance with the following may be equipped with approved, listed locking devices:

1. Doors shall unlock upon actuation of the *automatic* fire detection system or *automatic sprinkler system*.
2. Doors shall unlock upon loss of power controlling the locking device.

Exception: Independent standby power is acceptable as long as the automatic fire detection system, or automatic sprinkler system, when activated has precedence over the standby power and unlocks the door. If a nonemergency situation occurs such as a power outage, the door shall be allowed to remain locked until a detection system(s) operates, provided that the power

outage does not disable these detection systems. If any of the detection systems are disabled in any way, standby power controlling the locking devices will be interrupted.

3. A special locking system of electromagnetic locks may be utilized when all of the following requirements are met:

3.1 These types of locks may be used only in wards and wings or other portions of a facility that requires security provisions for the protection of its patients.

3.2 These systems may be used provided not more than one such system is located in any egress path.

3.3 A wiring diagram and system components location map shall be provided under glass adjacent to the fire alarm panel.

3.4 An on/off emergency release switch(es) must be capable of interrupting power to all electromagnetically locked doors in the facility. Release switch(es) shall be located and identified at each nurse's station serving the locked unit and any other control situation responsible for the evacuation of the occupants of the locked units which are manned 24 hours.

3.5 An additional on/off emergency release switch shall be provided for each locked door and located within 3 feet (914mm) of the door and shall not depend on relays or other devices to cause the interruption of power.

3.6 Any required emergency release switch shall interrupt the power to the locking device(s). If any required emergency release switch is of the locking type, all staff that are responsible for the evacuation of the occupants of the locked unit must carry emergency release switch keys. Additional convenience release devices may be provided.

4. Each special locking installation shall be approved by the appropriate fire and building inspection authority prior to installation, after installation, and prior to initial use and reviewed periodically thereafter.

5. Emergency lighting shall be provided at the door.

SECTION 424 **TEMPORARY OVERFLOW EMERGENCY SHELTERS FOR THE HOMELESS**

424.1 General. Existing A-2 and A-3 Occupancies shall be permitted to provide facilities for temporary overflow emergency shelters for the homeless provided that all of the following conditions are met and approved by the local code official and fire marshal:

424.1.1 The total number of homeless Occupants is limited to 20 individuals who are ambulatory. The homeless Occupants must be 18 years of age or older.

424.1.2 The building used for the temporary overflow emergency shelter must be of Type I, II, or III construction.

424.1.3 The temporary overflow emergency shelter must be staffed by a minimum of two individuals of 21 years of age or older trained in accordance with Chapter 4 of the NC Fire Code and at least one trained individual shall be awake to monitor the sleeping room and restrooms throughout the time the facility is occupied by the homeless.

424.1.4 Functioning smoke detection and a local fire alarm system per 907.2.8 shall be provided throughout the sleeping room and exit access corridors and stairs of the temporary overflow emergency shelter.

424.1.5 There shall be a minimum of two separate code compliant means of egress serving the temporary overflow emergency shelter. An evacuation route approved by the local code official and fire marshal shall be posted and be in compliance with Sections 404, 406, and 408 of the NC Fire Code.

424.1.6 There shall be no lockable doors between sleeping rooms and required exits.

424.1.7 The temporary overflow emergency shelter sleeping room and exit access corridors and stairs shall have night-lighting and emergency lighting with back-up power.

424.1.8 No fire protection sprinkler system is required per 903.2.8, Exception #2.

424.1.9 Heating, cooling, and ventilation must be provided by equipment installed and approved for such use. No space heaters are permitted.

424.1.10 There must be an adequate number of fire extinguishers to serve the temporary overflow emergency shelter as determined by the local fire marshal. Travel distance to an approved fire extinguisher shall not exceed 50 feet. Minimum rating of extinguishers shall be 3-A:40-BC.

424.1.11 No smoking is permitted in the temporary overflow emergency shelter.

424.1.12 Building Owner must submit documentation illustrating that the fire alarm system is approved and that all emergency batteries have been tested and are operational.

424.1.13 Temporary overflow emergency shelters must be approved by the local code official for Occupancy by issuance of an approved Occupancy Permit. Drawings of the temporary overflow

emergency shelter sealed by a NC licensed architect or engineer must be provided for local code official review and approval.

424.1.14 Compliance with NC Accessibility code for temporary overflow emergency shelters is not required provided that the local jurisdiction has other shelter facilities that are accessible by the disabled.

424.1.15 Occupancy of a temporary overflow emergency shelter shall be for a maximum of 150 calendar days within any 365 day time span.

SECTION 425 **LICENSED RESIDENTIAL CARE FACILITY**

425.1 Classification. Buildings in which more than three people are harbored for medical, charitable or other care or treatment shall be classified as residential care facilities. The state agency having jurisdiction shall classify the facility, small nonambulatory care facility or large residential care facility.

425.1.1 Fire extinguishers shall be installed in licensed residential care facilities in accordance with the *North Carolina Fire Prevention Code*.

425.1.2 Where two means of egress exits are required, the exits or exit access doors shall be so located and constructed to minimize the possibility that both may be blocked by any one fire or other emergency condition.

425.2 Residential care homes. Homes keeping no more than six adults or six unrestrained children who are able to respond and evacuate the facility without assistance, determined by the state agency having jurisdiction to be licensable, shall be classified as single-family residential (*North Carolina Residential Code*).

425.2.1 Each normally occupied story of the facility shall have two remotely located means of egress.

425.2.2 Smoke detectors shall be provided on all levels per the *North Carolina Residential Code*.

425.2.3 Interior wall and ceiling finishes shall be Class A, B or C.

425.2.4 Unvented fuel-fired heaters and portable electric heaters shall not be used.

425.3 Small Residential Care Facilities. The following facilities when determined by the State Agency having jurisdiction to be licensable, shall be classified as Single-Family Residential.

1. Residential Care Facilities keeping no more than six adults or six unrestrained children with no more than three who are unable to respond and evacuate without assistance.

2. Residential Care Facilities keeping no more than five adults or five children who are unable to respond and evacuate without assistance, when certifiable for Medicaid reimbursement, and when staffed 24-hours per day with at least two staff awake at all times.

3. Residential Care Facilities keeping no more than nine adults or nine children who are able to respond and evacuate without assistance.

425.3.1 Either the *building* shall be of one-hour fire resistant construction including all walls, partitions, floors and ceilings and bedroom doors shall be 1.75 inches solid wood core or the building shall be sprinklered with a wet pipe system in accordance with NFPA 13D with a 30-minute water supply including bathrooms, toilets, closets, pantries, storage and utility spaces. The sprinkler system shall be monitored per Section 903.4 (Section 903.4, Exception 1 is not applicable in this occupancy).

425.3.2 *Buildings* shall not exceed two stories in height or the area limitations for Group R-4. *Attics* and *basements* used as *habitable spaces* shall be counted as stories.

425.3.3 Each normally occupied story of the facility shall have two remotely located exits.

425.3.4 Facility exit stairways shall be either exterior unenclosed or interior enclosed on each level with one-hour fire resistant construction and a self-closing 20-minute labeled door. Other interior stairways shall be enclosed on one floor level with one-hour fire resistant walls and self-closing 20-minute labeled door.

425.3.5 Smoke detectors shall be provided on all levels per the *North Carolina Residential Code*. Heat detectors shall be installed in all attic spaces. The *heat detectors* shall be connected to the fire alarm and detection system.

425.3.6 Any incidental use area (as defined by Table 508.2.5) shall be enclosed with one-hour fire resistant construction and self-closing 20-minute labeled door or provided with an *automatic sprinkler system* and smoke resistant separation from other areas.

425.3.7 A building *fire alarm system* shall be provided in accordance with NFPA 72. Provisions shall be made to activate the internal evacuation alarm at all required exits.

425.3.8 Interior wall and ceiling finish shall be gypsum wallboard, plaster or other non-combustible material.

425.3.9 Unvented fuel-fired heaters, floor furnaces, and portable electric heaters shall not be installed.

425.3.10 Occupants younger than six-years of age shall sleep on the level of exit discharge with adult supervision.

425.3.11 Every facility shall formulate an evacuation plan (in cooperation with the local fire department) for the protection of all persons in the event of fire, for their evacuation to areas of refuge, and from the building when necessary.

425.4 Small non-ambulatory care facilities. Facilities keeping no more than six adults or six children who are unable to respond and evacuate without assistance, when determined by the State Agency having jurisdiction to be licensable shall comply with the requirements for Small Residential Care Facilities.

425.4.1 The building shall be sprinklered with a wet pipe system in accordance with NFPA 13D with a 30-minute water supply including bathrooms, toilets, closets, pantries, storage and utility spaces. The sprinkler system shall be monitored per Section 903.4 (Section 903.4, Exception 1 is not applicable in this occupancy.)

425.5 Large residential care facilities. Facilities keeping no more than twelve residents, when determined by the State Agency having jurisdiction to be licensable shall be classified as Group R-4, residential (North Carolina Building Code).

425.5.1 The building shall be of one-hour fire resistant construction, sprinklered with a wet pipe system in accordance with NFPA 13R including bathrooms, toilets, closets, pantries, storage and utility spaces, and limited to one story in height. The sprinkler system shall be monitored per Section 903.4 (Section 903.4, Exception 1 is not applicable in this occupancy.)

425.5.2 The facility shall have two remotely located exits.

425.5.3 All doorways subject to use by residents shall have an egress width of not less than 32 inches when the door is in the open position.

425.5.4 Required corridors, ramps, and passageways shall have a clear width of not less than 6 feet when serving as part of the means of egress from resident areas.

425.5.5 Buildings may have spaces open to the corridor provided:

1. Each area does not exceed 250 square feet.
2. The spaces are not used for patient sleeping rooms, treatment rooms, or incidental use areas as defined in Table 508.2.5.
3. The area is equipped with smoke detectors.

4. Not more than one such area is permitted in any one *smoke compartment* when *smoke compartments* are provided.

5. The area is arranged not to obstruct access to required exits.

425.5.6 Unless required otherwise by Section 425.5.8, *corridor* partitions and doors in *corridor* partitions need not have a *fire-resistance rating* but shall be designed to resist the passage of smoke. Doors shall be equipped with approved latches that will keep the door tightly closed. All doors except those to patient sleeping rooms shall be self-closing or automatic closing by smoke detection. Interior wall and ceiling finish shall be gypsum wallboard, plaster or other non-combustible material.

425.5.7 *Corridors* shall be provided with *smoke detectors*. *Heat detectors* shall be installed in all *attic spaces*. The *heat detectors* shall be connected to the fire alarm and detection system.

425.5.8 Any incidental use area shall comply with the requirements of Table 508.2.5.

425.5.9 A building *fire alarm system* shall be provided in accordance with NFPA 72. Provisions shall be made to activate the internal evacuation alarm at all required exits.

425.5.10 Every facility shall formulate an evacuation plan (in cooperation with the local fire department and community emergency planning authority) for the protection of all persons in the event of fire, for their evacuation to areas of refuge, and from the *building* when necessary.

SECTION 426 **LICENSED ADULT AND CHILD DAY CARE**

426.1 Exits.

426.1.1 Location. Rooms where occupants receive care in I-4 and R-3 adult and child day care facilities shall be on the level of *exit discharge*.

426.1.2 Number of Exits. Group E and Group R-4 adult and child day care facilities shall have two exits.

Exception: Rooms where occupants receive care are located on the level of exit discharge and each of these rooms has an exit door directly to the exterior.

426.1.3 Walls and Ceilings. All walls and ceilings in rooms which are used for day care purposes and are part of the exiting path shall have surfaces of noncombustible construction (plaster or gypsum wallboard).

426.2 Ventilation. Rooms where occupants receive care in R-4 adult and child day care facilities shall comply with the *ventilation* requirements of Section 1203 of this code.

426.3 Portable Fire Extinguishers. In R-3 and R-4 adult and child day care facilities, at least one 2-A:10-BC fire extinguisher shall be provided per floor with a maximum of 40 feet travel distance to the extinguisher.

SECTION 427 **PRIVATE AND PUBLIC SCHOOLS**

427.1 Boiler rooms in public schools. Every fuel storage room and boiler room shall be separated by two hour rated construction. Door openings shall be to the exterior and all penetrations to the interior of the building shall be protected.

427.2 Open flame heating appliances in public schools. Every comfort heating appliance installed within a building which produces an unprotected open flame shall be separated by two hour rated construction. Direct vent tubular infrared heaters installed in gymnasiums at a minimum height of 20 feet, measured from the finished floor to the bottom of the unit, shall be permitted.

427.3 Group E in churches, private schools and public schools. Rooms used for first grade children and younger shall be located on the *level of exit discharge*. Rooms used for second grade children shall not be located more than one *story* above the *level of exit discharge*.

508.2.5

Exceptions:

1. Incidental accessory occupancies within and serving a *dwelling unit* are not required to comply with this section.
2. The 1-hour incidental accessory occupancies separation of Group I-2 waste and linen rooms and Group I-2 storage rooms over 100 square feet shall not be reduced.

**TABLE 508.2.5
INCIDENTAL ACCESSORY OCCUPANCIES**

ROOM OR AREA	SEPARATION AND/OR PROTECTION
Furnace room where any piece of equipment is over 400,000 Btu per hour input	1 hour or provide automatic fire-extinguishing system
Rooms with boilers where the largest piece of equipment is over 15 psi and 10 horsepower	1 hour or provide automatic fire-extinguishing system
Refrigerant machinery room	1 hour or provide automatic sprinkler system
Hydrogen cutoff rooms, not classified as Group H	1 hour in Group B, F, M, S and U occupancies; 2 hours in Group A, E, I and R occupancies
Incinerator rooms	2 hours and automatic sprinkler system
Paint shops, not classified as Group H, located in occupancies other than Group F	2 hours; or 1 hour and provide automatic fire-extinguishing system
Laboratories and vocational shops, not classified as Group H, located in a Group E or I-2 occupancy	1 hour or provide automatic fire-extinguishing system
Laundry rooms over 100 square feet	1 hour or provide automatic fire-extinguishing system
Group I-3 cells equipped with padded surfaces	1 hour
Group I-2 waste and linen collection rooms	1 hour
<u>Group I-2 storage rooms over 100 square feet</u>	<u>1 hour</u>
<u>Group I-2 commercial kitchens</u>	<u>Smoke resistant construction and doors</u>
<u>Group I-2 laundries equal to or less than 100 square feet</u>	<u>Smoke resistant construction and doors</u>
<u>Group I-2 rooms or spaces that contain fuel-fired heating equipment</u>	<u>Smoke resistant construction and doors</u>
Waste and linen collection rooms over 100 square feet	1 hour or provide automatic fire-extinguishing system
Stationary storage battery systems having a liquid electrolyte capacity of more than 50 gallons, or a lithium-ion capacity of 1,000 pounds used for facility standby power, emergency power or uninterrupted power supplies	1 hour in Group B, F, M, S and U occupancies; 2 hours in Group A, E, I and R occupancies
Rooms containing fire pumps in nonhigh-rise buildings	2 hours; or 1 hour and provide automatic sprinkler system throughout the building
Rooms containing fire pumps in high-rise buildings	2 hours

For SI: 1 square foot = 0.0929 m², 1 pound per square inch (psi) = 6.9kPa, 1 British thermal unit (Btu) per hour = 0.293 watts, 1 horsepower = 746 watts, 1 gallon = 3.785L.

**TABLE 508.4
REQUIRED SEPARATION OF OCCUPANCIES (HOURS)**

OCCUPANCY	A ^d	B	E	F-1	F-2	H-1	H-2	H-3	H-4	H-5	I-1	I-2	I-3	I-4	M	R	S-1	S-2 ^b	U	
A ^d	S	2 ^{e,g}	1	1	1	N	NP	3	2	2	1	2	1	1	1	1	1	N	N	
	NS	2 ^{e,g}	2	2	2	1	NP	4	3	3	3 ^a	2	NP	2	2	2	2	2	1	1
B	S	1	2 ^e	1	2	1	NP	2	1	1	1	1	2	1	1	1	1	2	1	1
	NS	2	2 ^e	2	3	2	NP	3	2	2	2 ^a	2	NP	2	2	2	2	3	2	2
E	S	1	1	2 ^e	1	N	NP	3	2	2	2	1	2	1	1	1	1	1	N	N
	NS	2	2	2 ^e	2	1	NP	4	3	3	3 ^a	2	NP	2	2	2	2	2	1	1
F-1	S	1	2	1	3 ^e	1	NP	2	1	1	1	1	2	1	1	2	1	2	1	1
	NS	2	3	2	3 ^e	2	NP	3	2	2	2 ^a	2	NP	2	2	3	2	3	2	2
F-2	S	N	1	N	1	2 ^e	NP	3	2	2	2	1	2	1	1	1	1	1	1	1
	NS	1	2	1	2	2 ^e	NP	4	3	3	3 ^a	2	NP	2	2	2	2	2	2	2
H-1	S	NP	NP	NP	NP	NP	4 ^e	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
	NS	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
H-2	S	3	2	3	2	3	NP	4 ^e	NP	1	1	3	3	3	2	3	2	3	3	3
	NS	4	3	4	3	4	NP	NP	NP	NP	NP	NP	NP	NP	3	NP	3	4	4	4
H-3	S	2	1	2	1	2	NP	1	3 ^e	1	1 ^f	2	2	2	1	2	1	2	2	2
	NS	3	2	3	2	3	NP	NP	NP	NP	NP	NP	NP	NP	2	NP	2	3	3	3
H-4	S	2	1	2	1	2	NP	1	1	2 ^e	1 ^f	2	2	2	1	2	1	2	2	2
	NS	3	2	3	2	3	NP	NP	NP	NP	NP	NP	NP	NP	2	NP	2	3	3	3
H-5	S	2	1	2	1	2	NP	1	1 ^f	1 ^f	2 ^{e,i}	2	2	2	1	2	1	2	2	2
	NS	3 ^a	2 ^a	3 ^a	2 ^a	3 ^a	NP	NP	NP	NP	NP	NP	NP	NP	2 ^a	NP	2 ^a	3 ^a	3 ^a	3 ^a
I-1	S	1	1	1	1	1	NP	3	2	2	2	2 ^e	2	1	1	1	1	1	1	1
	NS	2	2	2	2	2	NP	NP	NP	NP	NP	2 ^e	NP	2	2	2	NP	2	2	2
I-2	S	2	2	2	2	2	NP	3	2	2	2	2	2 ^e	2	2	2	2	2	2	2
	NS	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
I-3	S	1	1	1	1	1	NP	3	2	2	2	1	2	2 ^e	1	1	1	1	1	1
	NS	2	2	2	2	2	NP	NP	NP	NP	NP	2	NP	NP	2	2	NP	2	2	2
I-4	S	1	1	1	1	1	NP	3	2	2	2	1	2	1	2 ^e	1	1	1	1	1
	NS	2	2	2	2	2	NP	NP	NP	NP	NP	2	NP	2	NP	2	NP	2	2	2
M	S	1	1	1	2	1	NP	2	1	1	1	1	2	1	1	2 ^e	1	2	1	1
	NS	2	2	2	3	2	NP	3	2	2	2 ^a	2	NP	2	2	2 ^e	2	3	2	2
R	S	1	1	1	1	1	NP	3	2	2	2	1	2	1	1	1	2 ^{e,h}	1	1 ^c	1 ^c
	NS	2	2	2	2	2	NP	NP	NP	NP	NP	NP	NP	NP	NP	2	2 ^{e,h}	2	2 ^c	2 ^c
S-1	S	1	2	1	2	1	NP	2	1	1	1	1	2	1	1	2	1	3 ^e	1	1
	NS	2	3	2	3	2	NP	3	2	2	2 ^a	2	NP	2	2	3	2	3 ^e	2	2
S-2 ^b	S	N	1	N	1	1	NP	3	2	2	2	1	2	1	1	1	1 ^c	1	2 ^e	1
	NS	1	2	1	2	2	NP	4	3	3	3 ^a	2	NP	2	2	2	2 ^c	2	2 ^e	2
U	S	N	1	N	1	1	NP	3	2	2	2	1	2	1	1	1	1 ^c	1	1	1 ^e
	NS	1	2	1	2	2	NP	4	3	3	3 ^a	2	NP	2	2	2	2 ^c	2	2	1 ^e

- S = Buildings equipped throughout with an automatic sprinkler system installed in accordance with Section 903.3.1.1.
- NS = Buildings not equipped throughout with an automatic sprinkler system installed in accordance with Section 903.3.1.1.
- N = No separation requirement.
- NP = Not permitted.
- a. For Group H-5 occupancies, see Section 903.2.5.2.
- b. The required separation from areas used only for private or pleasure vehicles shall be reduced by 1-hour but not less than 1 hour.
- c. See Section 406.1.4.
- d. Commercial kitchens need not be separated from the restaurant seating areas that they serve.
- e. Separation is not required between occupancies of the same classification unless separated mixed use is implemented.
- f. For H-5 occupancies, see Section 415.8.2.2.
- g. A-1, A-2, A-3, A-4 & A-5 must be separated by the designated *fire-resistance rating* unless they are to be nonseparated mixed use.
- h. R-1, R-2, R-3 & R-4 must be separated by the designated *fire-resistance rating* unless they are to be nonseparated mixed use.

704.14 Soffit in Group R. In Group R *buildings* of combustible construction the soffit material shall be securely attached to framing members and shall be constructed using either non-combustible soffit material, fire retardant treated soffit material, vinyl soffit installed over 3/4 inch wood sheathing or 5/8 inch gypsum board, or aluminum soffit installed over 3/4 inch wood sheathing or 5/8 inch gypsum board. Venting requirements shall apply to both soffit and underlayment and shall be per Section 1203.2.

707.3.9 Fire areas. The *fire barriers* or *horizontal assemblies*, or both, separating a single or multiple occupancies into different *fire areas* shall have a *fire-resistance rating* of not less than that indicated in Table 508.4.

TABLE 707.3.9
Deleted

712.3 Fire-resistance rating. The *fire-resistance rating* of floor and roof assemblies shall not be less than that required by the building type of construction. Where the floor assembly separates mixed occupancies or single occupancies into different *fire areas*, the assembly shall have a *fire-resistance rating* of not less than that required by Section 508.4 based on the occupancies being separated. *Horizontal assemblies* separating *dwelling units* in the same building and *horizontal assemblies* separating *sleeping units* in the same building shall be a minimum of 1-hour fire-resistance-rated construction.

901.7 Fire areas. Where buildings, or portions thereof, are divided into fire areas so as not to exceed the limits established for requiring a fire protection system in accordance with this chapter, such fire areas shall be separated by fire barriers constructed in accordance with Section 707 or horizontal assemblies constructed in accordance with Section 712, or both, having a fire-resistance rating of not less than that determined in accordance with Section 508.4.

ADD THE FOLLOWING DEFINITION TO SECTION 902.1

[F] Nightclub. An establishment meeting all of the following:

1. Has a posted capacity or occupant load that exceeds one occupant per 15 square feet net;
2. Provides live or recorded entertainment by performing artists; and
3. Serves alcoholic beverages.

[F] 903.2.1.2 Group A-2. An *automatic sprinkler system* shall be provided for Group A-2 occupancies where one of the following conditions exists:

1. The fire area exceeds 5,000 square feet (464.5m²);
2. The *fire area* has an *occupant load* of 300 or more, except 100 or more for *nightclubs*; or
3. The *fire area* is located on a floor other than a *level of exit discharge* serving such occupancies.

ADD THE FOLLOWING EXCEPTIONS TO SECTION 903.2.1.3(2) GROUP A-3

Exceptions:

1. This requirement shall not apply to assembly occupancies used primarily for worship with fixed seating and part of a separated use.
2. This requirement shall not apply to assembly occupancies used primarily for worship consisting of a single multipurpose room that is not used for exhibition or display and is part of a separated use.

[F] 903.2.6.1 Dry pipe system. When dry pipe sprinkler systems are installed, upon activation a full flow of water shall be delivered to the most remote point of the system in no more than 60 seconds.

[F] 903.2.7 Group M. An *automatic sprinkler system* shall be provided throughout buildings containing a Group M occupancy where one of the following conditions exists:

1. A Group M *fire area* exceeds 12,000 square feet (1115 m²).
2. A Group M *fire area* is located more than three stories above *grade plane*.
3. The combined area of all Group M *fire areas* on all floors, including any mezzanines, exceeds 24,000 square feet (2230 m²).
4. Deleted

ADD THE FOLLOWING EXCEPTIONS TO SECTION 903.2.8 GROUP R

Exceptions:

1. An automatic sprinkler system is not required in new adult and child care facilities in existing Group R-3 and R-4 occupancies.
2. An automatic sprinkler system is not required in Group R-1 temporary overflow shelters.

[F] 903.3.1.3 NFPA 13D sprinkler systems. Where allowed, *automatic sprinkler systems* installed in one-and two-family *dwelling*s and *townhouses* shall be installed throughout in accordance with NFPA 13D or Appendix P2904 of the International Residential Code.

MAKE THE FOLLOWING CHANGES TO THE EXCEPTIONS IN SECTION 906.2 General Requirements

2. Thirty-day inspections shall not be required for dry-chemical or halogenated agent portable fire extinguishers that are supervised by a *listed* and *approved* electronic monitoring device, provided all of the following conditions are met:

2.4 Electronic monitoring devices and supervisory circuits shall be tested every three years.

MAKE THE FOLLOWING CHANGE TO THE EXCEPTION #1 IN SECTION 907.2.3 Group E

Exceptions:

1. In other than child daycare centers, Group E occupancies with an *occupant load* of less than 50.

907.2.6.2 Group I-2. An automatic smoke detection system shall be installed in *corridors* in Group I-2 and spaces permitted to be open to the corridors by Section 407.2. The system shall be activated in accordance with Section 907.5. Hospitals shall be equipped with smoke detection as required in Section 407.

Exceptions:

1. *Corridor* smoke detection is not required in smoke compartments that contain patient sleeping units where such units are provided with smoke detectors that comply with UL 268. Such detectors shall provide a visual display on the *corridor* side of each patient *sleeping unit* and shall provide an audible and visual alarm at the nursing station attending each unit.
2. *Corridor* smoke detection is not required in smoke compartments that contain patient *sleeping units* where patient *sleeping unit* doors are equipped with automatic door-closing devices with integral smoke detectors on the unit sides installed in accordance with their listing, provided that the integral detectors perform the required alerting function.

907.2.10 Group R-4 including adult and child day care. Fire alarm systems and smoke alarms shall be installed in Group R-4 occupancies as required in 907.10.1 through 907.2.10.4.

907.2.10.4 Adult and child day care in Group R-4. A manual fire alarm system listed for residential use shall be installed in new adult or child day care facilities in existing R-4 occupancies.

907.3 Fire safety function

Deleted along with subsections 907.3.1 through 907.3.4

MAKE THE FOLLOWING CHANGE TO THE EXCEPTIONS IN SECTION 907.5.2.1 AUDIBLE ALARMS

Exceptions:

1. Visible alarm notification appliances shall be allowed in lieu of audible alarm notification appliances in critical care areas of Group I-2 occupancies.

2. In Group I-2 occupancies, Group B ambulatory health care facilities and licensed large residential care facilities as per Section 425 where occupants are incapable of evacuating themselves because of age, physical or mental disabilities, or physical restraint, audible notification appliances shall be permitted to meet the private operating mode requirements of NFPA 72 in patient care and treatment areas.

MAKE THE FOLLOWING CHANGES TO THE DEFINITION IN SECTION 1002.1 FOR SUITE

Suite. A group of rooms within a Group I-2 occupancy which comply with the requirements of Sections 1014.1.1 through 1014.2.7.

1008.1.9.3 Locks and latches. Locks and latches shall be permitted to prevent operation of doors where any of the following exits:

1. Places of detention or restraint.
2. In buildings in occupancy Group A having an *occupant load* of 100 or less and Groups B, F, M and S, the main exterior door or doors are permitted to be equipped with key-operated locking devices from the egress side provided:
 - 2.1. The locking device is readily distinguishable as locked and provided with a key that cannot be removed when locked from the egress side;
 - 2.2. A readily visible durable sign is posted on the egress side on or adjacent to the door stating: THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED. The sign shall be in letters 1 inch (25mm) high on a contrasting background; and
 - 2.3. The use of the key-operated locking device is revokable by the *building official* for due cause.
3. Where egress doors are used in pairs, *approved* automatic flush bolts shall be permitted to be used, provided that the door leaf having the automatic flush bolts has no doorknob or surface-mounted hardware.
4. Doors from individual dwelling or sleeping units of Group R occupancies having an occupant load of 10 or less are permitted to be equipped with a night latch, dead bolt or security chain, provided such devices are openable from the inside without the use of a key or tool.
5. *Fire doors* after the minimum elevated temperature has disabled the unlatching mechanism in accordance with listed fire door test procedures.

1008.1.9.6 Special locking arrangements in Group I-2. See Section 407.11.

1009.3 Walkline. The walkline across *winder* treads shall be concentric to the direction of travel through the turn and located 12 inches (305 mm) horizontally from the handrail that is adjacent to the side where the *winders* are narrower. The 12 inch (305 mm) dimension shall be measured perpendicular from the handrail surface that faces the walkline. If *winders* are adjacent within the *flight*, the point of the widest clear stair width of the adjacent *winders* shall be used.

1009.11 Ship Ladders. Ship ladders are permitted to be used in Group I-3 as a component of a *means of egress* to and from control rooms or elevated facility observation stations not more than 250 square feet (23 m²) with not more than three occupants and for access to unoccupied roofs.

Ship ladders shall have a pitch of 60 to 75 degrees, width of 30" to the outside of the handrails, minimum tread depth of 5", riser height of 9-1/2" to 12", 1-1/4" pipe handrail. The vertical rise between floor levels or landings shall not exceed 20'-0".

1009.13 Stairway to roof. In buildings four or more stories above *grade plane*, one *stairway* shall extend to the roof surface, unless the roof has a slope steeper than four units vertical in 12 units horizontal (33 percent slope). In buildings without an occupied roof, access to the roof from the top story shall be permitted to be by an alternating tread device or a ships ladder meeting the following; a pitch of 60 to 75 degrees, width of 30" to the outside of the handrails, minimum tread depth of 5", riser height of 9 ½" to 12", 1 ¼" pipe handrail. The height between the top landing of the stair and the roof shall not exceed 20'-0".

1013.3 Opening limitations. Required guards shall not have openings which allow passage of a sphere 4 inches (102mm) in diameter from the walking surface to the required guard height. A bottom rail or curb shall be provided that will reject the passage of a 2-inch-diameter (51mm) sphere.

DO NOT REMOVE OR MODIFY THE ASSOCIATED EXCEPTIONS TO SECTION 1013.3.

1013.5 Mechanical equipment. *Guards* shall be provided where appliances, equipment, fans, roof hatch openings or other components that require service are located within 6 feet (1829mm) of a roof edge or open side of a walking surface and such edge or open side is located more than 30 inches (762mm) above the floor, roof or grade below. The *guard* shall be constructed so as to prevent the passage of a sphere 21 inches (533mm) in diameter. The *guard* shall extend not less than 30 inches (762mm) beyond each end of such appliance, equipment, fan or component.

**TABLE 1018.1
CORRIDOR FIRE-RESISTANCE RATING^e**

OCCUPANCY	OCCUPANT LOAD SERVED BY CORRIDOR	REQUIRED FIRE-RESISTANCE RATING (hours)	
		Without sprinkler system	With sprinkler system ^c
H-1, H-2, H-3	All	Not Permitted	1
H-4, H-5	Greater than 30	Not Permitted	1
A, B ^f , E ^d , F, M, S, U	Greater than 30	1	0
R	Greater than 10	Not Permitted	0.5
I-2 ^a , I-4	All	Not Permitted	0
I-1, I-3	All	Not Permitted	1 ^b

ADD THE FOLLOWING FOOTNOTES TO TABLE 1018.1 CORRIDOR FIRE-RESISTANCE RATING

- d. Adult and child day care facilities without automatic sprinkler systems shall have 1-hour fire-resistance-rated corridors regardless of occupant load.
- e. For requirements for residential care facilities see Section 425.
- f. Exit access corridors are not required to be rated on any single tenant floor or in any single tenant space, when 1-hour fire-resistance-rated tenant demising walls are provided between all tenant spaces and 1-hour fire-resistance-rated floor/ceiling assemblies are provided in multistory buildings.

MAKE THE FOLLOWING CHANGES TO THE EXCEPTIONS TO SECTION 1018.2 CORRIDOR WIDTH

Exceptions:

1. Twenty-four inches (610mm)-For access to and utilization of electrical, mechanical or plumbing systems or equipment.

2. Thirty-six inches (914mm)-In other than Group I-1, I-2 and I-3 with a required occupancy capacity of less than 50.
3. Thirty-six inches (914mm)-Within a dwelling unit.
4. Seventy-two inches (1829mm)-In Group E with a *corridor* having a required capacity of 100 or more.
5. Seventy-two inches (1829mm)-In *corridors* and areas serving gurney traffic in occupancies where patients receiving outpatient medical care, which causes the patient to be not capable of self preservation and resident areas of Group I-1 and I-2.
6. Ninety-six inches (2438mm)-In Group I-2 in patient areas and in areas where required for bed movement.

**TABLE 1021.2
STORIES WITH ONE EXIT**

STORY	OCCUPANCY	MAXIMUM OCCUPANTS (OR DWELLING UNITS) PER FLOOR AND TRAVEL DISTANCE
First story or basement	A, B ^b , E ^e , F ^d , M, U, S ^d	49 occupants and 75 feet travel distance
	H-2, H-3	3 occupants and 25 feet travel distance
	H-4, H-5, I, R ^f	10 occupants and 75 feet travel distance
	S ^a	29 occupants and 100 feet travel distance
Second story	B ^b , F, M, S ^a	29 occupants and 75 feet travel distance
	R-2	4 dwelling units and 50 feet travel distance
Third story	R-2 ^c	4 dwelling units and 50 feet travel distance

ADD THE FOLLOWING FOOTNOTE TO TABLE 1021.2 STORIES WITH ONE EXIT

f. R-4 adult and child day care facilities shall have two exits or the rooms where the occupants receive care shall be located on the level of exit discharge and each of these rooms shall have an exit door directly to the exterior.

ADD THE FOLLOWING EXCEPTIONS TO SECTION 1022.1 EXIT ENCLOSURES

8. In other than Group H and I occupancies, a maximum of 50 percent of egress stairways serving one adjacent floor are not required to be enclosed, provided at least two means of egress are provided from both floors served by the unenclosed stairways. Any two such interconnected floors shall not open to other floors. Unenclosed exit stairways shall be remotely located as required in Section 1015.2.

9. In other than Group H and I occupancies, interior egress stairways serving only the first and second stories of a building equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1 are not required to be enclosed, provided at least two means of egress are provided from both floors served by the unenclosed stairways. Such interconnected stories shall not be open to other stories. Unenclosed exit stairways shall be remotely located as required in Section 1015.2.

1029.1 General. In addition to the *means of egress* required by this chapter, provisions shall be made for emergency escape and rescue in Group E classrooms, Group R and Group I-1 occupancies. Basements and sleeping rooms below the fourth *story above grade plane* shall have at least one exterior *emergency escape and rescue opening* in accordance with this section. Where basements contain one or more sleeping rooms, *emergency egress and rescue openings* shall be required in each sleeping room, but shall not be required in adjoining areas of the basement. Such opening shall open directly into a *public way* or to a *yard or court* that opens to a *public way*.

Exceptions:

1. In other than Group R-3 occupancies, buildings equipped throughout with an approved *automatic sprinkler system* in accordance with Section 903.3.1.1 or 903.3.1.2.
2. In other than Group R-3 occupancies, sleeping rooms provided with a door to a fire-resistance-rated *corridor* having access to two remote *exits* in opposite directions.

3. The *emergency escape and rescue opening* is permitted to open onto a balcony within an atrium in accordance with the requirements of Section 404, provided the balcony provides access to an *exit* and the dwelling unit or sleeping unit has a *means of egress* that is not open to the *atrium*.
4. Basements with a ceiling height of less than 80 inches (2032 mm) shall not be required to have emergency escape and rescue windows.
5. *High-rise buildings* in accordance with Section 403.
6. *Emergency escape and rescue openings* are not required from basements or sleeping rooms that have an *exit* door or *exit access* door that opens directly into a *public way* or to a *yard, court* or exterior *exit* balcony that opens to a *public way*.
7. Basements without *habitable spaces* and having no more than 200 square feet (18.6 m²) in floor area shall not be required to have emergency escape windows.
8. In Group E where the room or space complies with the following:
 - 8.1. Doors open directly to a corridor with exit access in one direction and provide access through adjacent classrooms or directly to a separate smoke compartment with exit access in the other direction, and
 - 8.2. The compartments are separated by smoke barriers having a 1 hour fire resistance rating with self-closing or automatic closing doors, and
 - 8.3. The length of travel to exits along such paths shall not exceed 150 ft. (45 m) and
 - 8.4. Each communicating door shall be identified, and
 - 8.5. No locking device shall be allowed on the communicating doors.

1029.3 Maximum height from floor. *Emergency escape and rescue openings* shall have the bottom of the clear opening not greater than 44 inches (1118 mm) measured from the floor. For classrooms serving children Grade 5 and younger, the bottom of the clear opening shall be not more than 32 inches (810 mm) measured from the floor.

1405.14.2 Flame Spread. Vinyl siding and vinyl soffit materials when used in Group R buildings shall have a Flame Spread Index of 25 or less as tested in accordance with ASTM E-84.

1. 1104.1 - Keep 48" language from 2009 NCBC
2. 1104.2 - Keep 48" language from 2009 NCBC
3. 1104.3.2 – retain the exceptions from the 2009 IBC as they are.
4. 1104.4 Exc. 1 1.4 Add: This exception shall not apply to:
 - a. *All buildings of state, county, or municipal government or any government agencies, including publicly owned schools, colleges, university buildings, and publicly owned dormitories, two or more stories in height.*
5. 1107.6.2.1.1 [See changes in text below]
 - a. Change “more than 20” to “11 or more”.
 - b. Change 2% to 5%.

The revised text will read as follows:

1107.6.2.1.1 Type A units. In Group R-2 occupancies containing 11 or more dwelling units or sleeping units, at least ~~2~~ 5 percent but not less than one of the units shall be a *Type A unit*. For a site with more than 100 units, at least 2 percent of the number of units exceeding 100 shall be Type A units. All R-2 units on a *site* shall be considered to determine the total number of units and the required number of *Type A units*. *Type A units* shall be dispersed among the various classes of units.

7. 1109.4 Add from 2009 NCBC 1109.4 a + b underneath for new a+ b.
8. 1110.1 - Amend 1110.1 as in 2009 NCBC, but correct reference to 20-37.6 [make it a general reference, leaving out (d)]; include 136-30, and the NCDOT reference to the Uniform Manual on Traffic Control Devices [Need to check for correct full name]
9. 1106.2 Revise language as follows:
 - a. **1106.2 Groups R-2 and R-3.** At least 2 percent, ~~but not less than one, of each type of all parking spaces, or a minimum of one space per Type A dwelling unit, whichever is larger,~~ shall be provided for occupancies in Groups R-2 and Groups R-3, which are required to have *Accessible, Type A or Type B dwelling or sleeping units*, shall be *accessible*. Where parking is provided within or beneath a building, accessible parking spaces shall also be provided within or beneath the building.
10. 2009 ICC Ch.11 - Committee reviewed all 2009 ICC changes within Ch. 11 and elected to make no changes to the 2011 NCBC. All 2009 ICC Ch.11 code changes approved.
11. 1106.5 Exc. Accepted
12. 3408.4 Was reviewed by BCC ICC Structural Committee - no changes recommended.
13. Revise 3411.8.8 as follows:

3411.8.8 Type A dwelling or sleeping units. Where ~~20~~ 11 or more Group R-2 *dwelling or sleeping units* are being added, the requirements of Section 1107 for *Type A units* apply only to the quantity of the spaces being added.
14. Appendix E - Adopt everything as written.

1106.2 Groups R-2 and R-3. At least 2 percent, but not less than one, of each type of parking space provided for occupancies in Groups R-2 and Groups R-3, which are required to have *Accessible, Type A or Type B dwelling or sleeping units*, shall be *accessible*. Where parking is provided within or beneath a building, accessible parking spaces shall also be provided within or beneath the building.

3401.3 Compliance. Alterations, repairs, additions and changes of occupancy to existing structures shall comply with the provisions for alterations, repairs, additions and changes of occupancy in the International Fire Code, International Fuel Gas Code, International Mechanical Code, International Plumbing Code, International Residential Code and NFPA 70.

APPENDIX A
EMPLOYEE QUALIFICATIONS

Deleted

APPENDIX B
BOARD OF APPEALS

Deleted

APPENDIX C
GROUP U-AGRICULTURAL BUILDINGS

The provisions contained in this appendix are adopted as part of this code.

APPENDIX D
FIRE DISTRICTS

The provisions contained in this appendix are adopted as part of this code.

APPENDIX E
SUPPLEMENTARY ACCESSIBILITY REQUIREMENTS

The provisions contained in this appendix are adopted as part of this code.

APPENDIX F
RODENTPROOFING

The provisions contained in this appendix are adopted as part of this code.

APPENDIX G
FLOOD-RESISTANT CONSTRUCTION

The provisions contained in this appendix are adopted as part of this code.

G101.3 Scope. The provisions of this appendix shall apply to all proposed development in a flood hazard area established in Section 1612 of this code.

G102.1 General. This appendix, in conjunction with the *International Building Code*, provides minimum requirements for development located in flood hazard areas, including the subdivision of land; installation of utilities; placement and replacement of manufactured homes; new construction and repair, reconstruction, rehabilitation or additions to new construction; substantial improvement of existing buildings and structures, including restoration after damage, temporary structures, and temporary or permanent storage, and utility and miscellaneous Group U buildings and structures.

G103.1 Permit applications. The *building official* shall review all *permit* applications to determine whether proposed development sites will be reasonably safe from flooding. If a proposed development site is in a flood hazard area, all site development activities (including grading, filling, utility installation and drainage modification), all new construction and substantial improvements (including the placement of prefabricated buildings and manufactured homes) shall be designed and constructed with methods, practices and materials that minimize flood damage and that are in accordance with this code and ASCE 24.

APPENDIX H

SIGNS

The provisions contained in this appendix are adopted as part of this code.

H101.2 Signs exempt from permits. The following signs are exempt from the requirements to obtain a permit before erection:

1. Nonilluminated wall signs.
2. Temporary signs.
3. Signs erected by transportation authorities.
4. Projecting signs not exceeding 6 square feet (0.56 m²).
5. The changing of moveable parts of an approved sign that is designed for such changes, or the repainting or repositioning of display matter shall not be deemed an alteration.

APPENDIX I

PATIO COVERS

The provisions contained in this appendix are adopted as part of this code.

APPENDIX J
GRADING

The provisions contained in this appendix are adopted as part of this code.

J104.1 Submittal requirements. The applicant shall state the estimated quantities of excavation and fill.

APPENDIX K
ADMINISTRATIVE PROVISIONS
Deleted