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Memorandum

To:
Fr:
Date:
Re:
Pgs:
Cc: Bruce J. Spiewak, AIA

This is a brief summary of signage requirements from the 2005 Connecticut State Building Code, CSBC; 2005 Connecticut State Fire Safety Code, CSFSC; Connecticut State Elevator Code ASME A17.1, 1996; Connecticut State Public Health Code for Swimming Pools; Connecticut State Public Swimming Pool Design Guide; Accessible and Usable Buildings and Facilities ANSI A117.1 2003; Installation of Sprinkler Systems NFPA 13-2002; Installation of Standpipe and Hose Systems NFPA 14-2003; OSHA Standards for General Industry. Please note, this is not intended to be a fully complete listing of every requirement contained in each section. See referenced sections for further detail pertaining to sign dimensions, location, etc.

A) 2005 Connecticut State Building Code

Section No.	“TEXT” or <i>Description of Content</i>	Location	Remarks
402.14	“Plastic Signs”	Within every store or level of a covered mall building	Plastic signs shall be limited as specified in Sections 402.14.1 through 402.14.5
402.14.1	“Area”	Any wall area facing the mall	Plastic signs shall not exceed 20 percent of the wall area
402.14.2	“Height and Width”		Plastic signs shall not exceed a height of 36 inches, except if the sign is vertical, the height shall not exceed 96 inches and the width shall not exceed 36 inches.
402.14.3	“Location”		Plastic signs shall be located a minimum distance of 18 inches from adjacent tenants

Section No.	“TEXT” or <i>Description of Content</i>	Location	Remarks
402.14.4	“Plastics Other Than Foam Plastics”		Plastics other than foam plastics used in signs shall be light transmitting plastics complying with Section 2606.4 and tested in accordance with ASTM
402.14.4.1	“Encasement”		Edges and backs of plastic signs in the mall shall be fully encased in metal
402.14.5	“Foam Plastics”		Foam plastics used in signs shall have flame-retardant characteristics
402.14.5.1	“Density”		The minimum density of foam plastics used in signs shall not be less than 20 pounds per cubic foot (pcf)
402.14.5.2	“Thickness”		The thickness of foam plastic signs shall not be greater than ½ inch
901.2	“Fire Protection Systems”		Fire protection systems shall be installed, repaired, operated, and maintained in accordance with this code and the International Fire Code
903.3.1	“Automatic Sprinklers”	Where required	Any building or portion of a building that require to be equipped throughout with an automatic sprinkler system therefore shall comply with NFPA 13

Section No.	“TEXT” or Description of Content	Location	Remarks
905.7.1	“Cabinet Equipment Identification”	Cabinets shall be identified in an approved manner by a permanently attached sign with letters not less than 2 inches high in a color that contrasts with the background color.	Attached sign shall indicate the equipment contained inside the cabinet. Doors that are not large enough to accommodate a written sign shall be marked with a permanently attached pictogram of the equipment contained within the cabinet
1004.3	“Posted Occupant Load”	Every assembly room or space shall have the approved occupant load posted in a conspicuous place	Rooms or spaces which have multiple use capabilities shall be posted for all such occupancies. All posted signs shall be an approved legible permanent design
1007.6	“Areas of Refuge”	Every required area of refuge shall be accessible from the space it serves by an accessible means of egress	The maximum travel distance from any accessible space to an area of refuge shall not exceed the travel distance permitted
1007.6.5	“Areas of Refuge Identification”	Each door providing access to an area of refuge from an adjacent floor area	Doors shall be identified by a sign complying with ICC/ANSI A117.1-2003, stating: “AREA OF REFUGE” and including the International Symbol of Accessibility
1007.7	“Signage”	Signage indicating the location of accessible means of egress shall be installed at all exits and elevators	That serve a required accessible space, but which are not an approved accessible means of egress
1008.1.8.3 2.2	“Locks and Latches”	A readily visible durable sign is posted on the egress side on or adjacent to the door	Sign shall state: “THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED” with 1 inch high lettering on a contrasting background

Section No.	“TEXT” or Description of Content	Location	Remarks
1008.1.8.6	“Delayed Egress Locks”	Sign shall be provided on the door located above and within 12 inches of the release device	Sign shall state: “PUSH UNTIL ALARM SOUNDS. DOOR CAN BE OPENED IN 15 [30] SECONDS.” Lettering shall not be less than 1 inch high and not less than 1/8 inch stroke width
1011.0	EXIT SIGNS See Code Section for specific code requirements. Including Floor Proximity Exit Signs. Accessible Exits and Tactile Exit Signs.		
1019.1.6	“Discharge Identification”	Stairways in an exit enclosure	Directional exit signs shall be provided as specified in Section 1011
1019.1.7	“Stairway Floor Number Signs”	At each floor landing in interior vertical exit enclosures connecting more than three stories	Signage shall state the story number and direction to the exit discharge. Sign shall be located 5 feet above the floor
1110.1-1	“HANDICAPPED PARKING PERMIT REQUIRED - VIOLATORS WILL BE FINED” - In addition to International Symbol of Accessibility, and indication of minimum fine.	At required accessible parking spaces.	Fine may be on a separate placard mounted below the main sign. ANSI A117.1 1998. 502.6 Ct. Amd.
1110.1-2	<i>International Symbol of Accessibility.</i>	At required accessible passenger loading zone	
1110.1-3	<i>International Symbol of Accessibility.</i>	At accessible areas of refuge required by Section 1007.6	
1110.1-4	<i>International Symbol of Accessibility.</i>	At accessible portable toilets and bathing facilities	

Section No.	“TEXT” or Description of Content	Location	Remarks
1110.1-5	<i>International Symbol of Accessibility</i>	At accessible means of egress stairways. Recommend Request for Modification for stairs that do not have an area of refuge.	Required even at accessible means of egress stairways in fully sprinklered buildings which do not require an area of refuge to serve as a component in an accessible means of egress, per Section 1007.3 Exception 2.
1110.1-6	<i>International Symbol of Accessibility</i>	At Accessible toilet or bathing rooms	Where multiple single user toilet or bathing rooms are clustered at a single location
1110.1-7	<i>International Symbol of Accessibility</i>	Accessible entrances	Where not all entrances are accessible
1110.1-8	<i>International Symbol of Accessibility</i>	Accessible check out aisles	The sign, where provided, shall be above the check aisle in the same location as the check out aisle number or type of identification
1110.1-9	<i>International Symbol of Accessibility</i>	Unisex toilet and bathing rooms	
1110.1-10	<i>International Symbol of Accessibility</i>	Accessible dressing, fitting, and locker rooms	Where not all such rooms are accessible
1110.1-11	<i>International Symbol of Accessibility</i>	Accessible grade level exits	As required by Section 1011.1.2
1110.2	“Directional Signage” indicating route to nearest like accessible element	At inaccessible building entrances, inaccessible public toilets and bathing facilities, elevators not serving an accessible route	Directional signs shall include the International Symbol of Accessibility
1110.3	“Other Signage”	Signage indicating special accessibility provisions shall be provided	

Section No.	“TEXT” or Description of Content	Location	Remarks
1110.4	“Interior Signage”	Rooms, Spaces and Stairs	If interior signs designating permanent rooms and spaces are provided, they shall be raised text characters and Braille in accordance with ICC/ ANSI A117.1
1603.3	“Live Loads Posted”	Durable signs shall be posted by the owner on each story in a commercial or industrial building	Sign is only required to be posted by owner when live load has been designed to exceed 50 psf.
2611.0	“Light-Transmitting Plastic Interior Signs”	The sign shall not exceed 20% of the wall area. Shall not exceed 24 s.f.	All edges and backs shall be fully encased in metal
2702.2.3	“Exit Signs”	Emergency power shall be provided for exit signs	According to Section 1011.5.3
3001.3	“Accessibility”	Passenger elevators	That are required to be accessible by Chapter 11 shall conform to ICC/ANSI A117.1-2003
3002.3	Emergency Signs.	Elevator Call Station.	In Fire Emergency, Do Not Use Elevator. Use Exit Stairs.
3002.4	Elevator Car. Ambulance Stretcher.	Both Sides of the Hoistway Door Frame.	Star of Life.
3107.1	“Signs”		Signs shall be designed, constructed, and maintained in accordance with this code
2005 CSBC APPENDIX H			
H101.1	“General”	Signs shall not be erected in a manner that would confuse or obstruct view or of the interference with exit signs required by Chapter 10 or any other official sign	Signs and sign support structures shall be kept in repair and in proper state of preservation. Display surfaces of signs shall be kept neatly painted or posted at all times.

Section No.	“TEXT” or Description of Content	Location	Remarks
H101.2	“Signs Exempt from Permits”		See referenced code section for list of exempt signs
H102	“Definitions” See Code Section for detailed list		
H103.1	“Location”	Signs shall not be constructed or maintained causing an obstruction to any fire escape, window, door, or opening used as a means of egress	Signs shall not be attached in any form to a fire escape, or placed in such a manner as to interfere with any opening required for ventilation
H104.1	“Identification”	Every outdoor advertising display sign after being constructed for which a permit is required	Permit shall be plainly marked with the name of the person, firm, or corporation constructing such a sign, which shall be affixed on the front of the sign.
H105	“Design and Construction” See Code Section for specific code requirements		
H106.1	“Illumination”		A sign shall not be illuminated by other than electrical means, which must be installed in accordance with ICC Electrical Code
H106.1.1	“Internally Illuminated Signs”		Refer to referenced section for detailed listing of requirements
H106.2	“Electrical Service”		Signs that require electrical service shall comply with the ICC Electrical Code
H107.1	“Use of Combustibles”		Approved materials, as listed in Chapter 26, shall comply with Section H109.1 and shall not be used for other ornamental features of signs, unless approved

Section No.	“TEXT” or Description of Content	Location	Remarks
H107.1.1	“Plastic Materials”	On Signs	Plastic materials which burn at a rate no faster than 2.5 inches per minute when tested in accordance with ASTM D 635 shall be deemed approved and can be used on/for signs
H107.1.2	“Electric Sign faces”		Individual facings of electric signs shall not exceed 200 square feet in area
H107.1.3	“Area Limitation”	If the area of a display surface exceeds 200 square feet	The area occupied or covered by approved plastics shall be limited to 200 square feet plus 50 percent of the difference between 200 square feet and the area of the display surface
H107.1.4	“Plastic Appurtenances”		Letters and decorations mounted on an approved plastic facing or display surface can be made of approved plastics
H108.1	“Fail Safe Device”	Signs that contain moving sections shall have fail safe provisions to prevent the section from releasing and falling	The fall safe device shall be capable of supporting the full dead load of the section when the moving mechanism releases
H109.1	“Height Restrictions” Ground Signs	Structural frame of a ground sign shall not be erected of combustible materials to a height no greater than 35 feet	Ground signs constructed entirely of noncombustible material shall not be erected greater than 100 feet
H109.2	“Required Clearance”	Bottom coping of every ground sign shall be not less than 3 feet above the ground or street level	Space can be filled with platform decorative trim or light wooden construction

Section No.	“TEXT” or Description of Content	Location	Remarks
H109.3	“Wood Anchors and Supports”		Where wood anchors or supports are embedded in the soil, the wood shall be pressure treated with an approved preservative
H110	“Roof Signs” See Code Section for specific code requirements		
H111.1	“Materials” Wall Signs	Wall signs which have an area exceeding 40 square meters	Bigger sign shall be constructed of metal or other approved noncombustible material
H111.2	“Exterior Wall Mounting Details”	Wall signs attached to exterior masonry shall be safely and securely attached by means of metal anchors	Wood blocks shall not be used for anchorage, except in the case of wall signs attached to a building with walls of wood
H111.3	“Extension”	Wall signs shall not extend above the top of the wall, nor beyond the ends of the wall	Signs may only project if they conform to the requirements for roof, projecting, or ground signs
H112.1	“General” Projection Signs	Projecting signs shall be constructed entirely of metal or other noncombustible material and securely attached to a building or structure by metal supports	Signs shall be secured by metal supports such as bolts, anchors, supports, chains, guys, or steel rods. Staples and nails shall not be used in securing any projecting sign
H112.2	“Attachment of Supports”	Supports shall be secured to a wall or expansion screw	Minimum of 5/8 inch thick bolt or lag screw is required
H112.3	“Wall Mounting Details”	Section referenced means of securing a sign are allowed to be secured to a solid masonry wall with expansion bolts	Mounting signs to a wood wall requires the anchor bolts to go through the wall and be plated or fastened on the inside in a secure manner

Section No.	“TEXT” or Description of Content	Location	Remarks
H112.4	“Height Limitation”	A projecting sign shall not be erected on a wall so as to project above the roof or cornice wall or above the roof level	
H113	“Marquee Signs” See Code Section for specific code requirements		

B) 2005 Connecticut State Fire Safety Code

Part III 2003 IFC			
Section No.	“TEXT” or Description of Content	Location	Remarks
604.2.3	“Exit Signs”		Emergency power shall be provided for exits signs in accordance with Section 1011.5.3
Section No.	“TEXT” or Description of Content	Location	Remarks
605.3.1	“Labeling”	Doors into electrical control panel rooms	Shall be marked with plainly visible and legible sign stating “ELECTRICAL ROOM” or similar approved wording
606.7	“Emergency Signs”	Emergency signs provided among code section referenced refrigeration units	Hazard signs shall be in accordance with the International Mechanical Code
606.9.3.4	“Identification”	Emergency control boxes	Permanent label shall be provided on the outside cover that reads “FIRE DEPARTMENT USE ONLY – REFRIGERATION CONTROL BOX”

607.2	“Emergency Signs”	Approved pictorial sign shall be posted on adjacent side to each elevator call station on all floors	Sign shall read “IN FIRE EMERGENCY, DO NOT USE ELEVATOR. USE EXIT STAIRS”
608.6	“Signs”	Doors into rooms or buildings containing stationary lead acid battery systems	Signs shall state that the room contains lead acid battery systems, that the room contains energized electrical circuits, and the battery electrolyte solutions are corrosive liquids
608.9	“Signs”	Doors into electrical equipment rooms containing VRLA battery systems	Approved signs shall be provided that state that the room contains lead acid battery systems, that the room contains energized electrical circuits, and the battery electrolyte solutions are corrosive liquids
Section No.	“TEXT” or Description of Content	Location	Remarks
703.2.1	“Signs”	Where required by the fire code official a sign shall be permanently displayed on or near each fire door in letters not less than 1 inch high o read as follows:	For doors designed to be kept normally open: “FIRE DOOR – DO NOT BLOCK” For doors designed to be kept normally closed: “FIRE DOOR – KEEP CLOSED”
904.3.4	“Alarms and Warning Signs”	Warning signs shall be provided where alarms are required to indicate the operation of automatic fire extinguishing systems	Signs shall be provided to warn of pending agent discharge

905.7.1	“Cabinet Equipment Identification”	Cabinets shall be identified in an approved manner	A permanently attached sign with letters not less than 2 inches high in color that contrasts with the background color, shall indicate the equipment within the cabinet
905.7.2	“Locking Cabinet Doors”	Visual identification panels of glass or other approved transparent frangible material that is easily broken and allows access	Cabinets shall be unlocked
907.4.4	“Signs”	Where fire alarm systems are not monitored by a supervising station	An approved permanent sign shall be installed adjacent to each manual fire alarm box that reads: “WHEN ALARM SOUNDS – CALL FIRE DEPARTMENT”
909.14	“Marking and Identification”	Detection and control systems shall be clearly marked	At all junctions, accesses, and terminations
Section No.	“TEXT” or Description of Content	Location	Remarks
912.4	“Signs”	Sign shall be mounted on all fire department connections serving automatic sprinklers, standpipes, or fire pump connections	Sign shall be made of metal with raised letters at least 1 inch in size and shall read: “AUTOMATIC SPRINKLERS or STANDPIPES or TEST CONNECTION”
1004.3	“Posting of Occupant Load”	Every room or space that is an assembly occupancy	Posting of the occupant load shall be posted in a conspicuous place, near the main exit or exit access doorway from the room

1007.6.5	“Identification”	Each door providing access to an area of refuge from an adjacent floor area	Sign shall comply with ICC/ANSI A117.1-2003 stating “AREA OF REFUGE” and including the International Symbol of Accessibility
1007.7	“Signage”	At exits and elevators serving a required accessible space but not providing an approved accessible means of egress	Signage shall be installed indicating the location of accessible means of egress
1007.8.3	“Identification”	Exterior areas of assisted rescue	Shall have identification as required for area of refuge that complies with Section 1007.6.5
1008.1.8.3	“Locks and Latches”	A readily visible durable sign is posted on the egress side on or adjacent to the door	Sign shall state: “THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED”
1011	EXIT SIGNS See Code Section for specific code requirements. Including Floor Proximity Exit Signs, Accessible Exits and Tactile Exit Signs.		
Section No.	“TEXT” or Description of Content	Location	Remarks
1019.1.6	“Discharge Identification”	Stairways in an exit enclosure	Directional exit signs shall be provided as specified in Section 1011
1019.1.7	“Stairway Floor Number Signs”	At each floor landing in interior vertical exit enclosures connecting more than three stories	Signage shall state the story number and direction to the exit discharge. Sign shall be located 5 feet above the floor
2403.12.6	“Exit Signs”	Exit shall clearly be marked	Exit signs shall be installed at required exit doorways and where otherwise necessary to indicate clearly the direction of egress

2404.6	“Smoking”	Smoking shall not be permitted in tents, canopies, or membrane structures	Approved “NO SMOKING” signs shall be conspicuously posted in accordance with Section 310
Part V Maintenance and Operations			
Section No.	“TEXT” or Description of Content	Location	Remarks
13.6.3.12	“General Requirements”	Fire extinguishers mounted in cabinets or wall recess shall be marked and identified conspicuously	
14.4.1.1 (2)	“Means of Egress Reliability”	On or adjacent grille or door there shall be a readily visible, durable sign in letters not less than 25 mm high on a contrasting background	Sign shall read as follows: “THIS DOOR TO REMAIN OPEN WHEN THE BUILDING IS OCCUPIED”
Section No.	“TEXT” or Description of Content	Location	Remarks
14.4.1.2	“Means of Egress Reliability”	Powered doors	A readily visible and durable sign in letters not less than 25 mm high on a contrasting background shall read: “IN EMERGENCY, PUSH TO OPEN”
20.1.4.8.3. 1	“Occupant Load Posting”	In every room constituting an assembly occupancy and not having fixed seats	The occupant load of the room shall be posted in a conspicuous place near the main exit from the room
20.1.4.8.3. 3	“Occupant Load Posting”		Signs shall be durable and shall indicate the number of occupants permitted for each room use

20.4.2.4	“Smoking”	In health care occupancies where smoking is prohibited	Signs shall be prominently placed at all major entrances
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C) ASME A17.1 1996

Section No.	“TEXT” or <i>Description of Content</i>	Location	Remarks
Appendix H.	“In Case of Fire. Elevators are Out of Service. Use Exit”	Elevator Corridor Call Station	
110.1	“Danger Elevator Hoistway”	Elevator hoistway openings	Shall be self closing and self locking doors
207.3a	Capacity Plate. Data Plate	Inside Car	
207.5	“Freight Elevator Cars”	Inside Car	Loading Limitations.
600.5c	“DANGER- ELEVATOR- KEEP CLOSED”	Every Hoistway door	Lettering shall not be less than 2 inches in height
Section No.	“TEXT” or <i>Description of Content</i>	Location	Remarks
700.11c	“DANGER- DUMBWAITER-KEEP CLOSED”	Dumbwaiter entrance on landing side	Lettering shall not be less than 2 inches in height
701.8d	“No Riders”	Inside Car	Lettering shall not be less than ½ inch in height
805.9	Escalator Caution Signs	Top and Bottom of Landings	Fig 805.9a
905.8	Moving Walk Signs	Top and Bottom of Landings	
2001.7c/d	Inclined Wheelchair Lifts	Capacity Plate. Data Plates	
2001.7e	Inclined Wheelchair Lifts	Physically Disabled Persons Only. No Freight	Each landing and platforms

D) Public Health Code. Swimming Pools.
19-13-B33b. Public Pools.

Section No.	“TEXT” or <i>Description of Content</i>	Location	Remarks
(b) 14.	“Warning. No Lifeguard on Duty”	Plain View near entry points	Lettering must be a minimum of 4 inches in height
(b) 17. (A)-(D)	Public Health Code Rules. All persons bathe. Communicable Disease. Spitting. Running.	Conspicuously Posted at Pool and Public Dressing Room.	
(b) 18.	Emergency Communications	Posted. Telephone Location. Telephone Numbers.	
(c) (1)	Depth Markers	Pool Rim at minimum and maximum depths	Markers shall be visible in and out of the pool
Section No.	“TEXT” or <i>Description of Content</i>	Location	Remarks
(c) (3)	Lifesaving Equipment	Conspicuous Places	
(c) (4)	No Diving into shallow areas of pool	Conspicuously Posted.	
(e) (3)	Spa. Depth Markers	Spa Rim.	All public spas shall have a minimum of two depth markers
(e) (4) (A)-(E)	Spa. Precaution Sign.	Clearly Visible Location.	

E) Conn. Public Swimming Pool Design Guide.

Section No.	“TEXT” or <i>Description of Content</i>	Location	Remarks
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5.4	Breakpoint between shallow and deep ends. Contrasting Color Band	Pool Bottom.	
12.1, 12.2	Swimming Areas. Non Swimming Areas.	Occupant Load.	
16.5	Bands or line of a dark contrasting color.	Edge of steps.	
	Chlorine Safety Rules	Posted at Chlorine Storage and Handling Areas.	

F) ANSI A117.1 2003

Section No.	“TEXT” or <i>Description of Content</i>	Location	Remarks
407.2.3	Hoistway Signs.		
407.2.3.1	Floor Designation.	Both jambs of elevator hoistway entrances.	Tactile and Braille. Tactile star at main entry level.
407.2.3.2	Car Designations	Both jambs of elevator hoistway entrances.	Tactile and Braille.
407.2.4	“Destination Signs”	Above the hall call button fixture	Where signs indicate that elevators do not serve all landings, signs in tactile characters complying with Section 703.3 shall be provided.
407.4.10.2	“Identification”	At Emergency Communication Systems	Tactile characters shall comply with Section 703.3 and symbols shall comply with Section 407.4.7.1.3 and shall be provided adjacent to the device

502.7	“Identification”	Where accessible parking spaces are required	Accessible parking spaces shall be identified by signs which shall include the International Symbol for Accessibility complying with Section 703.6.3.1
504.9	“Stair Level Identification”	Located at each floor level in all enclosed stairways adjacent to the door leading from the stairwell to the corridor	Stair level identification signs in tactile characters shall comply with Section 703.3. The exit door discharging to the outside or to the level of exit discharge shall have a tactile signs stating “EXIT”
Section No.	“TEXT” or Description of Content	Location	Remarks
Section 703 “Signs”			
703.2.2	“Case”		Characters shall be uppercase, lowercase, or a combination of both
703.2.3	“Style”		Characters shall be conventional in form. Characters shall not be italic, oblique, script, highly decorative, or of any other unusual forms.
703.2.4	“Character Height”		Characters shall have a minimal height complying with Table 703.2.4
703.2.5	“Character Width”		The uppercase letter “O” shall be used to determine the allowable width of all characters of a font. The width of the uppercase “O” of the font shall be 55% minimum and 110% maximum of the height

703.2.6	“Stroke Width”	The uppercase letter “I” shall be used to determine the allowable stroke width of all characters of a font. The stroke width shall be 10% minimum and 30% maximum of the height	
703.2.7	“Character Spacing”	Spacing shall be measured between the two closest points of adjacent characters within a message, excluding word spacing. Spacing between individual characters shall be 10% minimum and 35% maximum of the character height	
703.2.8	“Line Spacing”	Spacing between the baselines of separate lines of characters within a message shall be 135% minimum to 170% maximum of the character height	
703.2.9	“Height Above Floor”	Visual Characters shall be 40 inches minimum above the floor of the viewing position, measured to the baseline of the character	Heights shall comply with Table 703.2.4 based on the size of the characters on the sign
Section No.	“TEXT” or Description of Content	Location	
703.2.10	“Finish and Contrast”	Characters and their background shall have a non glare finish. Characters shall contrast with their background, with either light characters on a dark background, or dark characters on a light background	
703.3.1	“General”		Tactile characters shall comply with Section 703.3 and shall be duplicated in Braille complying with Section 703.4
703.3.2	“Depth”		Tactile characters shall be raised 1/32 inch minimum above the background
703.3.3	“Case”		Characters shall be uppercase
703.3.4	“Style”	Characters shall be Sans Serif. Characters shall not be italic, oblique, script, highly decorative, or of other unusual forms	

703.3.5	“Character Height”	The uppercase letter “I” shall be used to determine the allowable height of all characters of a font. The height of the uppercase letter “I” of the font, measured vertically from the baseline of the character, shall be 5/8 inch minimum and 2 inches maximum.
703.3.6	“Character Width”	The uppercase letter “O” shall be used to determine the allowable width of all characters of a font. The width of the uppercase “O” of the font shall be 55% minimum and 110% maximum of the height
703.3.7	“Stroke Width”	Tactile character stroke width shall comply with Section 703.3.7. The uppercase letter “I” of the font shall be used to determine the allowable stroke width of all characters of a font
703.3.7.1	“Maximum”	The stroke width shall be 15% maximum of the height of the uppercase letter “I” measured at the top surface of the character, and 30% maximum of the height of the uppercase letter “I” measured at the base of the character
Section No.	“TEXT” or Description of Content	Location
703.3.7.2	“Minimum”	When characters are both visual and tactile, the stroke width shall be 10% minimum of the height of the letter “I”
703.3.8	“Character Spacing”	Character spacing shall be measured between the two closest points of adjacent tactile characters within a message, excluding word spaces. Spacing between individual tactile characters shall be 1/8 inch minimum measured at the top surface of the characters, 1/16 inch minimum measured at the base of the characters, and four times the tactile character stroke width maximum. Characters shall be separated from raised borders and decorative elements 3/8 inch minimum
709.3.9	“Line Spacing”	Spacing between the baselines of separate lines of tactile characters within a message shall be 135% minimum and 170% maximum of the tactile character height.
703.3.10	“Height Above Floor”	Tactile characters shall be 48 inches minimum above the floor, measured to the baseline of the lowest tactile character and 60 inches maximum above the floor, measured to the baseline of the highest tactile character. (60” to top of sign)

703.3.11	“Location”		See code section for specific mounting locations at door(s). 18” X 18” Clear Box centered on the tactile characters.
703.3.12	“Finish and Contrast”	Characters and their background shall have a non glare finish. Characters shall contrast with their background, with either light characters on a dark background, or dark characters on a light background	
703.4.1	“General”		Braille shall be contracted (Grade 2) braille and shall comply with Section 703.4
703.4.2	“Uppercase Letters”	The indication of an uppercase letter or letters shall only be used before the first word of sentences, proper nouns and names, individual letters of the alphabet, initials, or acronyms	
Section No.	“TEXT” or Description of Content	Location	
703.4.3	“Dimensions”	Braille dots shall have a domed or rounded shape and shall comply with Table 703.4.3	
703.4.4	“Position”	Braille shall be below the corresponding text is multilined, braille shall be placed below entire text. Braille shall be separated 3/8 inch minimum from any other tactile characters and 3/8 inch minimum from raised borders and decorative elements. Braille provided on elevator car controls shall be separated 3/16 inch minimum either directly below or adjacent to the corresponding raised character or symbols	
703.4.5	“Mounting Height”		Braille shall be 48 inches minimum and 60 inches maximum above the floor, measured to the baseline of the braille cells.
703.5.2	“Pictogram Field		Pictograms shall have a field 6 inches minimum in height. Characters or braille shall not be located within the field.

703.5.3	“Finish and Contrast”	Characters and their background shall have a non glare finish. Characters shall contrast with their background, with either light characters on a dark background, or dark characters on a light background	
703.5.4	“Text Descriptors”	Text shall comply with Sections 703.3 and 703.4	Where required within a pictogram, text shall be located directly below the pictogram field.
Section No.	“TEXT” or Description of Content	Location	Remarks
Section 703.6 “Symbols of Accessibility”			
703.6.2	“Finish and Contrast”	Characters and their background shall have a non glare finish. Characters shall contrast with their background, with either light characters on a dark background, or dark characters on a light background	
703.6.3.1	“International Symbol of Accessibility”	The International Symbol of Accessibility shall comply with Figure 703.6.3.1	
703.6.3.2	“International Symbol of TTY”	The International Symbol of TTY shall comply with Figure 703.6.3.2	
703.6.3.3	“Assistive Listening Systems”	Assistive listening systems shall be identified by the International Symbol of Access for Hearing Loss complying with Figure 703.6.3.3	

703.6.3.4	“Volume Controlled Telephones”	Telephones with volume control	Shall be identified by a pictogram of a telephone handset with radiating sound waves on a square field complying with Figure 703.6.3.4
802.8.2	“Identification”	Assembly Areas	Each designated aisle seat shall be identified with a sign or marker
805.4	“Bus Signs”	Bus route identification signs	Signs shall have visual characters that comply with Sections 703.2.2, 703.2.3, and 703.2.5 through 703.2.8
Section No.	“TEXT” or <i>Description of Content</i>	Location	Remarks
805.6	“Entrances”	At any rail station entrance	Where signs identify a station or station entrance, at least one sign with tactile characters complying with Section 703.3 shall be provided at each entrance
805.6.2	“Routes and Destinations”	Lists of stations, routes, and destinations served by the station and located on boarding areas, platforms, or mezzanines	Shall have visual characters complying with Section 703.2. A minimum of one tactile sign complying with Section 703.2 shall be provided at each listed location
805.6.3	“Station Names”	Stations covered by this section shall have identification signs with visual characters complying with Section 703.2. The signs shall be clearly visible and within the sight lines of a standing or sitting passenger from within the vehicle on both sides when not obstructed by another vehicle	

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Section No.	“TEXT” or <i>Description of Content</i>	Location	Remarks
6.2.2.1	“Sprinkler Identification”		All sprinklers shall be permanently marked with a one- or two-character manufacturer symbol, followed by three or four numbers, so as to identify a unique sprinkler identification for every change in orifice size or shape, deflector characteristic, pressure rating, and thermal sensitivity
6.3.8.1	“Pipe Identification”		All pipe, including specially listed pipe allowed by Section 6.3.6, shall be marked continuously along its length by the manufacturer in such a way as to properly identify the type of pipe
Section No.	“TEXT” or <i>Description of Content</i>	Location	Remarks
6.3.8.2	“Pipe Identification”		Pipe identification shall include the manufacturer's name, model designation, or schedule
6.7.4.1	“Identification of Valves”		All control, drain, and test connection valves shall be provided with permanently marked weatherproof metal or rigid plastic identification signs
6.7.4.2	“Identification of Valves”		The identification sign shall be secured with corrosion-resistant wire, chain, or other approved means
6.7.4.3	“Identification of Valves”		The control valve sign shall identify the portion of the building served

7.6.1.5	“Signs”	Caution signs shall be attached to all valves controlling sprinklers	The caution sign shall be worded as follows: This valve controls fire protection equipment. Do not close until after fire has been extinguished. Use auxiliary valves when necessary to shut off supply to auxiliary equipment. CAUTION: Automatic alarm will be sounded if this valve is closed
8.15.1.1.8	“Control Valve Identification”		Identification signs shall be provided at each valve to indicate its function and what it controls
Section No.	“TEXT” or <i>Description of Content</i>	Location	Remarks
8.15.1.4.3	“Valve Pit Marking”		The location of the valve shall be clearly marked, and the cover of the pit shall be kept free of obstructions
8.16.2.4.5	“Arrangement”		Where a fire department connection services only a portion of a building, a sign shall be attached indicating the portions of the building served
8.16.2.4.7.1	“Signs”	Each fire department connection to sprinkler systems shall be designated by a sign having raised or engraved letters at least 1 in. (25.4 mm) in height on plate or fitting reading service design — for example, AUTOSPKR., OPEN SPKR., AND STANDPIPE	
8.16.2.4.7.2	“Signs”		A sign shall also indicate the pressure required at the inlets to deliver the greatest system demand

<p>8.16.2.4.7.3</p>	<p>“Signs”</p>		<p>The sign required in 8.16.2.4.7.2 shall not be required where the system demand pressure is less than 150 psi (10.3 bar)</p>
<p>16.5.1</p>	<p>“Hydraulic Design Information Sign”</p>	<p>The installing contractor shall identify a hydraulically designed sprinkler system with a permanently marked weatherproof metal or rigid plastic sign secured with corrosion-resistant wire, chain, or other approved means. Such signs shall be placed at the alarm valve, dry pipe valve, preaction valve, or deluge valve supplying the corresponding hydraulically designed area</p>	
<p>Section No.</p>	<p>“TEXT” or <i>Description of Content</i></p>	<p>Location</p>	
<p>16.5.2</p>	<p>“Hydraulic Design Information Sign”</p>	<p>The sign shall include the following information: (1) Location of the design area or areas (2) Discharge densities over the design area or areas (3) Required flow and residual pressure demand at the base of the riser (4) Occupancy classification or commodity classification and maximum permitted storage height and configuration (5) Hose stream demand included in addition to the sprinkler demand</p>	

17.2.6.3	“Valves”		Valve markings shall include the information required by 46 CFR 56.20-5(a)
Section No.	“TEXT” or <i>Description of Content</i>	Location	

A.6.2.2		<p>The four- to six-character sprinkler identification number, with no intervening spaces, is intended to identify the sprinkler operating characteristics in lieu of the traditional laboratory approval marking (e.g., SSU, SSP, EC, QR, etc.). The number, marked on the deflector of most sprinklers and elsewhere on decorative ceiling sprinklers, consists of one or two characters identifying the manufacturer, followed by three or four digits.</p> <p>Sprinkler manufacturers have identified their manufacturer designations for the listing organizations. Each change in orifice size, response characteristics, or deflector (distribution) characteristics results in a new sprinkler identification number. The numbers do not identify specific characteristics of sprinklers but can be referenced in the database information compiled by the listing organizations. At the plan review stage, the sprinkler identification number should be checked against such a database or the manufacturer's literature to ensure that sprinklers are being used properly and within the limitations of their listings. Field inspections can include spot checks to ensure that the model numbers on the plans are those actually installed</p>
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Section No.	"TEXT" or <i>Description of Content</i>	Location	Remarks
4.10	"Signs"		Signs shall be permanently marked and shall be constructed of weather-resistant metal or rigid plastic materials
Section No.	"TEXT" or <i>Description of Content</i>	Location	Remarks

5.1.4	“General”		Standpipe and hose systems not required by the authority having jurisdiction and not meeting the requirements of this standard shall be marked with a sign that reads “FOR FIRE BRIGADE USE ONLY”
5.4.2	“Class I Standpipe System	Where a manual standpipe system is provided	Each hose connection shall be provided with a conspicuous sign that reads “MANUAL STANDPIPE FOR FIRE DEPARTMENT USE ONLY”
6.2.8.1	“Sign and Room Identification for Valves”		All main and sectional system control valves, including water supply control valves, shall have a sign indicating the portion of the system that is controlled by the valve
6.2.8.2	“Sign and Room Identification for Valves”		All control, drain, and test connection valves shall be provided with signs indicating their purpose
6.2.8.3	“Sign and Room Identification for Valves”	Where sprinkler system piping supplied by a combined system is supplied by more than one standpipe (“loop” or “dual feed” design), a sign shall be located at each dual or multiple feed connection to the combination system standpipe to indicate that in order to isolate the sprinkler system served by the control valve, an additional control valve or valves at other standpipes shall be shut off	
Section No.	“TEXT” or Description of Content	Location	Remarks

6.2.8.3.1	“Sign and Room Identification for Valves”		The sign also shall identify the location of the additional control valves.
6.2.8.4	“Sign and Room Identification for Valves”	Where a main or sectional system control valve is located in a closed room or concealed space	The location of the valve shall be indicated by a sign in an approved location on the outside of the door or near the opening to the concealed space
6.3.5.2	“Location and Identification”		Each fire department connection shall be designated by a sign having raised letters, at least 25.4 mm (1 in.) in height, cast on a plate or fitting that reads “STANDPIPE”
6.3.5.2.1	“Location and Identification”	If automatic sprinklers are also supplied by the fire department connection, the sign or combination of signs shall indicate both designated services (e.g., “STANDPIPE AND AUTOSPKR,” or “AUTOSPKR AND STANDPIPE”)	
6.5	“Installation of Signs”	Signs shall be secured to a device or the building wall with corrosion-resistant chains or fasteners.	
6.6	“Signs for Water Supply Pumps”		Where a fire pump is provided, a sign shall be located in the vicinity of the pump indicating the minimum pressure and flow required at the pump discharge flange to meet the system demand
Section No.	“TEXT” or <i>Description of Content</i>	Location	Remarks

6.7.1	“Hydraulic Design Information Sign”		The installing contractor shall provide a sign identifying the basis of the system design as either hydraulic calculations or pipe schedule.
6.7.2	“Hydraulic Design Information Sign”		The sign shall be located at the water supply control valve for automatic or semiautomatic standpipe systems and at an approved location for manual systems
6.7.3	“Hydraulic Design Information Sign”	<p>The sign shall indicate the following:</p> <ul style="list-style-type: none"> (1) The location of the two hydraulically most remote hose connections (2) The design flow rate for the connections identified in 6.7.3(1) (3) The design residual inlet and outlet pressures for the connections identified in 6.7.3(1) (4) The design static pressure and the design system demand (i.e., flow and residual pressure) at the system control valve, or at the pump discharge flange where a pump is installed, and at each fire department connection 	
A6.7		See Figure A.6.7 for sample hydraulic information sign.	
11.9	“Signs”	The installation of signs required by this standard shall be verified.	

I) OSHA Standards for General Industry

Section No.	“TEXT” or <i>Description of Content</i>	Location	Remarks
			Signs are only required by OSHA for specific safety related items such as electronic devices, oxygen systems, etc. Refer to OSHA for the specific requirements for these signs.

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