702 Fire Alarm Systems
702.1 General. Fire alarm systems shall have permanently installed audible and visible alarms complying
702.1 General. Fire alarm systems shall have permanently installed audible and visible alarms complying
NFPA 72 (1999 or 2002 edition) (incorporated by reference, see "Referenced Standards" in Chapter 1),
except that the maximum allowable sound level of audible notification appliances complying with section
4-3.2.1 of NFPA 72 (1999 edition) shall have a sound level no more than 110 dB at the minimum
hearing distance from the audible appliance. In addition, alarms in guest rooms required to provide
communication features shall comply with sections 4-3 and 4-4 of NFPA 72 (1999 edition) or sections
7.4 and 7.5 of NFPA 72 (2002 edition).

TION ELEMENTS AND FEATURES

703.1 General. Signs shall comply with 703. Where both visual and tactile characters are required, either one sign with both visual and tactile characters, or two separate signs, one with visual, and one with tactile characters, shall be provided. 703.2 Raised Characters. Raised characters shall comply with 703.2 and shall be duplicated in braille complying with 703.3. Raised characters shall be installed in accordance with 703.4.

703.2.1 Depth. Raised characters shall be 1/32 inch (0.8 mm) minimum above their background. 703.2.2 Case. Characters shall be uppercase. 703.2.3 Style. Characters shall be sans serif. Characters shall not be italic, oblique, script, highly decorative, or of other unusual forms.

703.2.4 Character Proportions. Characters shall be selected from fonts where the width of the uppercase letter "0" is 55 percent minimum and 110 percent maximum of the height of the uppercase letter "1". 703.2.5 Character Height. Character height measured vertically from the baseline of the character shall be 5/8 inch (16 mm) minimum and 2 inches (51 mm) maximum based on the height of the uppercase letter "1".

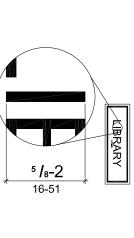


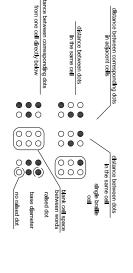
Figure 703.2.5 Height of Raised Characters

703.2.6 Stroke Thickness. Stroke thickness of the uppercase letter "I" shall be 15 percent maximum of the height of the character.

703.2.7 Character Spacing. Character spacing shall be measured between the two closest points of adjacent raised characters within a message, excluding word spaces. Where characters have rectangular cross sections, spacing between individual raised characters shall be 1/8 inch (3.2 mm) minimum and 4 times the raised characters stroke width maximum. Where characters have other cross sections, spacing between individual raised characters shall be 1/16 inch (1.6 mm) minimum and 4 times the raised character stroke width maximum at the top of the cross sections. Characters shall be separated from raised borders and decorative elements 3/8 inch (9.5 mm) minimum.

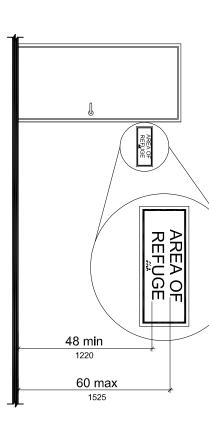
703.3 Braille. Braille shall be contracted (Grade 2) and shall comply with 703.3 and 703.4. 703.2.8 Line Spacing. Spacing between the baselines of separate lines of raised characters within a message shall be 135 percent minimum and 170 percent maximum of the raised character height.

703.3.1 Dimensions and Capitalization. Braille dots shall have a domed or rounded shape and shall comply with Table 703.3.1. 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, and acronyms. distance between corresponding dots in adjacent cells



703.3.2 Position. Braille shall be positioned below the corresponding text. If text is multi—lined, braille shall be placed below the entire text. Braille shall be separated 3/8 inch (9.5 mm) minimum from any other tactile characters and 3/8 inch (9.5 mm) minimum from raised borders and decorative elements. Figure 703.3.1 Braille Measure

3/8 min
5/\*\* # 3/8 min
8/8
8/8
8/8
8/8
8/8



18 min 455 18 min

of Tactile Signs at Doors

703.4.2 Location. Where a tactile sign is provided at a door, the sign shall be located alongside the door at the latch side. Where a tactile sign is provided at double doors with one active leaf, the sign shall be located on the inactive leaf. Where a tactile sign is provided at double doors with two active leafs, the sign shall be located to the right of the right hand door. Where there is no wall space at the latch side of a single door or at the right side of double doors, signs shall be located on the nearest adjacent wall. Signs containing tactile characters shall be located so that a clear floor space of 18 inches (455 mm) minimum by 18 inches (455 mm) minimum, centered on the tactile characters, is provided beyond the arc of any door swing between the closed position and 45 degree open position.

Figure 703.4.1 Height of Tactile Cha acters Abo ve Finish Floor or Gro

703.4 Installation Height and Location. Signs with tactile characters shall comply with 703.4.

703.4.1 Height Above Finish Floor or Ground. Tactile characters on signs shall be located 48 inches (1220 mm) minimum above the finish floor or ground surface, measured from the baseline of the lowest tactile character and 60 inches (1525 mm) maximum above the finish floor or ground surface, measured from the baseline of the highest tactile character.

Figure 703.3.2 Position of Braille

704.2.1.2 Forward Approach. Where a forward approcounter within the telephone enclosure to the face maximum.

704.2.2 Operable Parts. Operable parts shall compl where such service is available. 704.2.3 Telephone Directories. Teleph 309. ated in

703.5 Visual Characters. Visual characters shall comply wi 703.5.1 Finish and Contrast. Characters and their backgroshall contrast with their background with either light char on a light background.
703.5.2 Case. Characters shall be uppercase or lowercase 703.5.3 Style. Characters shall be conventional in form. Characters shall not be italic, oblique, decorative, or of other unusual forms. skground shall have a non—glare finish. Characters characters on a dark background or dark characters with 703.5. se or a combination of both.

703.5.4 Character Proportions. Characters shall be se letter "0" is 55 percent minimum and 110 percent m sted from fonts where the width of the uppercase ximum of the height of the uppercase letter "1". I comply with Table 703.5.5. Viewing distance shall iracter and an obstruction preventing further sed on the uppercase letter "I".

ns shall comply with 703.6. ured between the two closest points of adjacent I characters shall be 10 percent minimum and

703.6.2 Finish and Contrast. Pictograms and their field shall have a non-glare finish. Pictograms shall contrast with their field with either a light pictogram on a dark field or a dark pictogram on a light field. 703.6.3 Text Descriptors. Pictograms shall have text descriptors located directly below the pictogram field. Text descriptors shall comply with 703.2, 703.3 and 703.4. 703.7 Symbols of Accessibility. Symbols of accessibility shall comply with 703.7.

704 Telephones 704.1 General. Public telephones shall comply with

704.2.1 Clear Floor or Ground Space. A clear floor or ground space complying with 305 shall be The clear floor or ground space shall not be obstructed by bases, enclosures, or seats. 704.2 Wheelchair Accessible Telephones. Wheelchair nply with 704.2.

704.2.1.1 Parallel Approach. Where a parallel approach is provided, the distance from the edge of the telephone enclosure to the face of the telephone unit shall be 10 inches (255 mm) maximum. isory 704.2.1 Clear Floor or Ground Space. Because clear floor and ground space is required to be bstructed, telephones, enclosures and related telephone book storage cannot encroach on the required or floor or ground space and must comply with the provisions for protruding objects. (See Section 307).

20 max

704.2.1.1 Parallel Appl Figure 704.2.1.2 For oach to Teleph

oach is provided, the distance from the front edge of a of the telephone unit shall be 20 inches (510 mm)

704.2.4 Cord Length. The cord from the teleph to the hand be 29 inches (735 mm) long

704.3 Volume Control Telephones. Public telephones required to have volume controls shall be equipped with a receive volume control, that provides a gain adjustable up to 20 dB minimum. For incremental volume control, provide at least one intermediate step of 12 dB of gain minimum. An automatic reset shall be provided.

704.4 TTYs. TTYs required at a public pay telephone shall be permanently affixed within, or adjacent to, the telephone enclosure. Where an acoustic coupler is used, the telephone cord shall be sufficiently long to allow connection of the TTY and the telephone receiver.

704.4.1 Height. When in use, the touch surface of TTY keypads shall be 34 inches (865 mm) minimum above the finish floor.

704.5 TTY Shelf. Public pay telephones required to accommodate portable TTYs shall be equipped with a shelf and an electrical outlet within or adjacent to the telephone enclosure. The telephone handset shall be capable of being placed flush on the surface of the shelf. The shelf shall be capable of accommodating a TTY and shall have 6 inches (150 mm) minimum vertical clearance above the area where the TTY is to be placed.

703.5.5 Character Height. Minimum character height shall comply with Table 703.5.5. Viewing distance shall be measured as the horizontal distance between the character and an obstruction preventing further approach towards the sign. Character height shall be based on the uppercase letter "I".

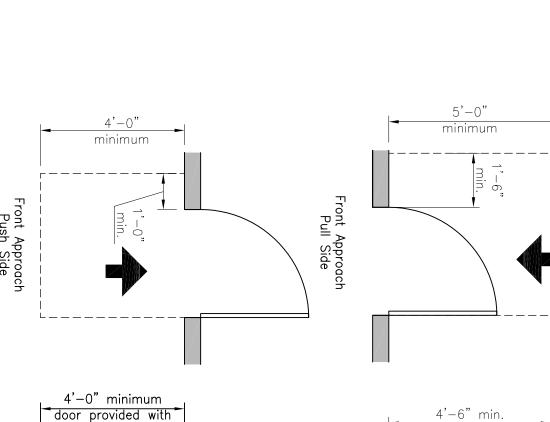
703.5.6 Height From Finish Floor or Ground. Visual characters shall be 40 inches (1015 mm) minimum above the finish floor or ground.

703.5.7 Stroke Thickness. Stroke thickness of the uppercase letter "I" shall be 10 percent minimum and 30 percent maximum of the height of the character.

703.5.8 Character Spacing. Character spacing shall be measured between the two closest points of adjacent characters, excluding word spaces. Spacing between individual characters shall be 10 percent minimum and 35 percent maximum of character height.

703.5.9 Line Spacing. Spacing between the baselines of separate lines of characters within a message shall be 135 percent minimum and 170 percent maximum of the character height. 703.6 Pictograms. Pictograms shall comply with vus.o. 703.6.1 Pictogram Field. Pictograms shall have a field and braille shall not be located in the pictogram field. ₩EN-6 min not in pictogram field

5'-0" minimum 4'-0" minimum Front Approach
Push Side
(Door provided
w/both closer &
latch) Front Approach Pull Side 4'-0" minimum
door provided with
both closer & latch 4'-6" min. minimum Latch Approach Pull Side Hinge Approach Push Side 4'-0" min.



both closer & latcl

minimum

4'-6" min. door provided w/ closer Latch Approach
Pull Side 4'-0" min.

REV. DATE STATUS 3-30-17 STATE FIRE MARSHAL SUBMISSION 4-28-17 SUBMITTED FOR PERMITS

TYPICAL DOOR CLEARANCES FOR ACCESSIBLE ENTRY

EXIT

Hinge Approach Push Side

SHWARTZ B 600-604 CO PORTLAND,

BUILDING CONGRESS D, MAINE

RENOVATIONS STREET

JOHN H. LEASURE ARCHITECT, INC.

6 Q STREET SOUTH PORTLAND, MAINE 04106