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11902 Woodruff Ave.
Downey, Ca 90241

LIC. # 930147

The following pages demonstrate how our signs meet the regulatory requirements pertaining to signage.

The sign examples shown are typical and general in nature, and are intended to include all common sign types.

It does ***not*** mean that every single sign example shown here will be part of the scope for your particular project.

The specific signs that are part of your scope start on page 1.0.

Please call us should you have any questions.

THANK YOU
LA Signs & Banners

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Page 0.1.0

TACTILE LETTERS

Requirement Source:

2016 California Building Code
Chapter 11B- Sign Requirements

Pertinent sections as indicated>

11B-703.2 Raised Characters. Raised characters shall comply with 11B-703.2 and shall be duplicated in Braille complying with 11B-703.3. Raised characters shall be installed in accordance with 11B-703.4.

11B-703.2.1 Depth. Raised characters shall be 1/32 inch (0.8 mm) minimum above their background.

11B-703.2.2 Case. Characters shall be uppercase.

11B-703.2.3 Style. Characters shall be sans serif. Characters shall not be italic, oblique, script, highly decorative, or of other unusual forms.

11B-703.2.4 Character Proportions. Characters shall be selected from fonts where the width of the uppercase letter "O" is 60 percent minimum and 110 percent maximum of the height of the uppercase letter "I".

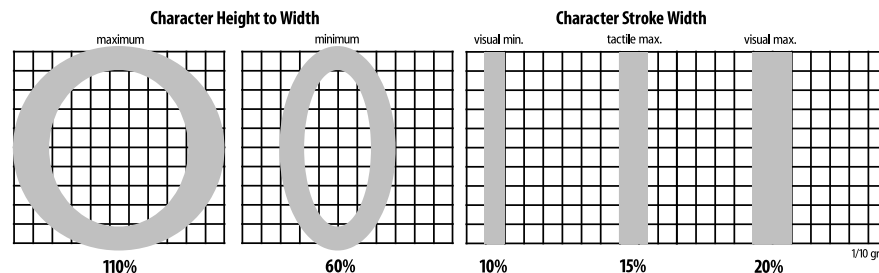
11B-703.2.5 Character Height. Character height measured vertically from the baseline of the character shall be 5/8 inch (15.9 mm) minimum and 2 inches (51 mm) maximum based on the height of the uppercase letter "I".

11B-703.2.6 Stroke Thickness. Stroke thickness of the uppercase letter "I" shall be 15 percent maximum of the height of the character.

11B-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 character 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 base of the cross sections, and 1/8 inch (3.2 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.

11B-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.

11B-703.2.9 Format. Text shall be in a horizontal format.



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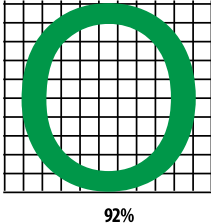
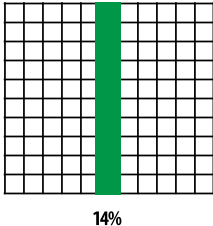
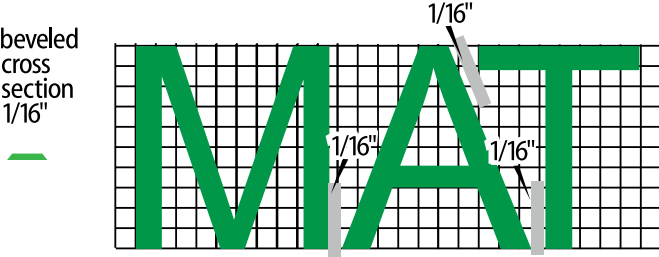
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Page 0.2.0

Font: Arial Meets Standards

Depth:	1/32"	✓
Case:	Upper Case	✓
Style:	Arial	✓
Proportions:		✓
Height:	Various, min. 5/8" to maximum 2"	✓
Stroke:		✓
Character Spacing:	beveled cross section 1/16" 	✓
Line Spacing	135% and 145%	✓
Format	Horizontal	✓



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Requirement Source:

2016 California Building Code
Chapter 11B- Sign Requirements
Pertinent sections as indicated>

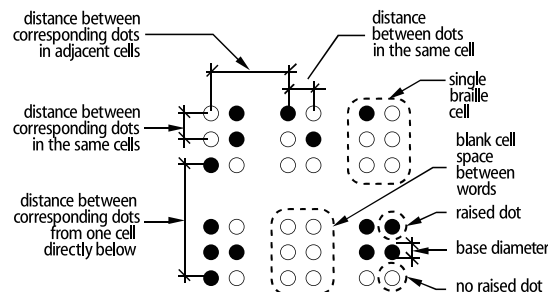
11B-703.3 Braille. Braille shall be contracted (Grade 2) and shall comply with 11B-703.3 and 11B-703.4.

11B-703.3.1 Dimensions and Capitalization. Braille dots shall have a domed or rounded shape and shall comply with Table 11B-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.

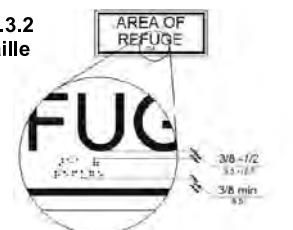
Table 11B-703.3.1 Braille Dimensions

Measurement Range	Minimum in Inches Maximum in Inches
Dot base diameter	0.059 (1.5 mm) to 0.063 (1.6 mm)
Distance between two dots in the same cell ¹	0.100 (2.5 mm)
Distance between corresponding dots in adjacent cells ¹	0.300 (7.6 mm)
Dot height	0.025 (0.6 mm) to 0.037 (0.9 mm)
Distance between corresponding dots from one cell directly below	0.395 (10 mm) to 0.400 (10.2 mm)
1. Measured center to center.	

**Figure 11B-703.3.1
Braille Measurement**



**Figure 11B-703.3.2
Position of Braille**



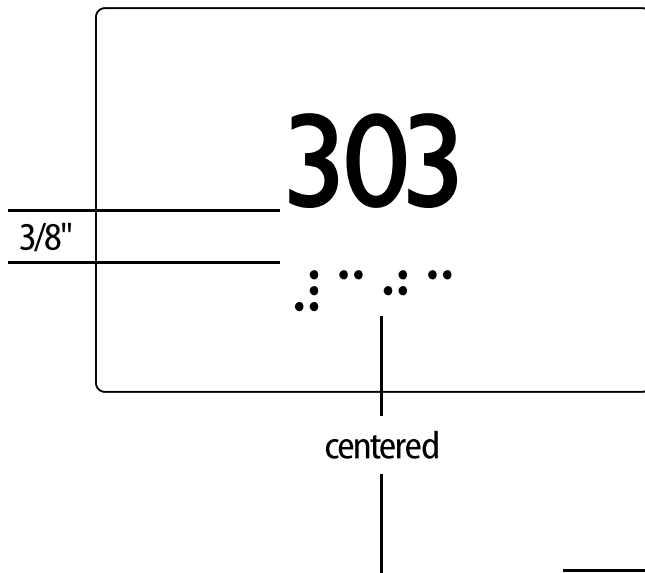
11B-703.3.2 Position. Braille shall be positioned below the corresponding text *in a horizontal format, flush left or centered*. If text is multi-lined, Braille shall be placed below the entire text. Braille shall be separated 3/8 inch (9.5 mm) minimum and 1/2 inch (12.7 mm) maximum from any other tactile characters and 3/8 inch (9.5 mm) minimum from raised borders and decorative elements.

EXCEPTION: Braille provided on elevator car controls shall be separated 3/16 inch (4.8 mm) minimum and shall be located directly below the corresponding raised characters or symbols.

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BRAILLE

TYPICAL BRAILLE PLACEMENT



centered

3/8"



centered

Contracted 2 Braille: rounded shape (raster method) centered under tactile lettering
as per **11B-703.3.2**



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Page 0.3.1

TACTILE SIGN INSTALLATION AND LOCATION

Requirement Source:

2016 California Building Code
Chapter 11B- Sign Requirements

Pertinent sections as indicated>

11B-703.4 Installation Height and Location. Signs with tactile characters shall comply with 11B-703.4.

11B-703.4.1 Height Above Finish Floor or Ground. Tactile characters on signs shall be located 48 inches (1219 mm) minimum above the finish floor or ground surface, measured from the baseline of the lowest *Braille cells* and 60 inches (1524 mm) maximum above the finish floor or ground surface, measured from the baseline of the highest *line of raised characters*.

EXCEPTION: Tactile characters for elevator car controls shall not be required to comply with 11B-703.4.1.

11B-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 leaves, 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 (457 mm) minimum by 18 inches (457 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. *Where permanent identification signage is provided for rooms and spaces they shall be located on the approach side of the door as one enters the room or space. Signs that identify exits shall be located on the approach side of the door as one exits the room or space.*

EXCEPTION: *Reserved.*

Figure 11B-703.4.1
Height of Tactile
Characters Above
Finish Floor or Ground

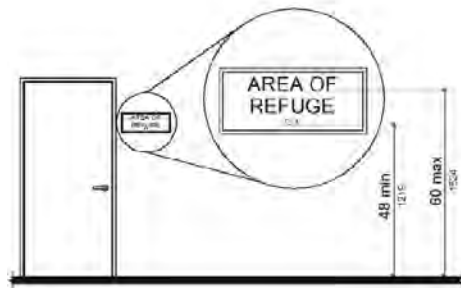
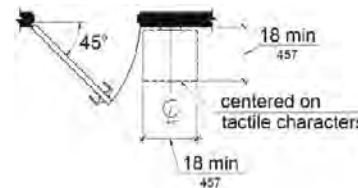


Figure 11B-703.4.2
Location of Tactile Signs at Doors



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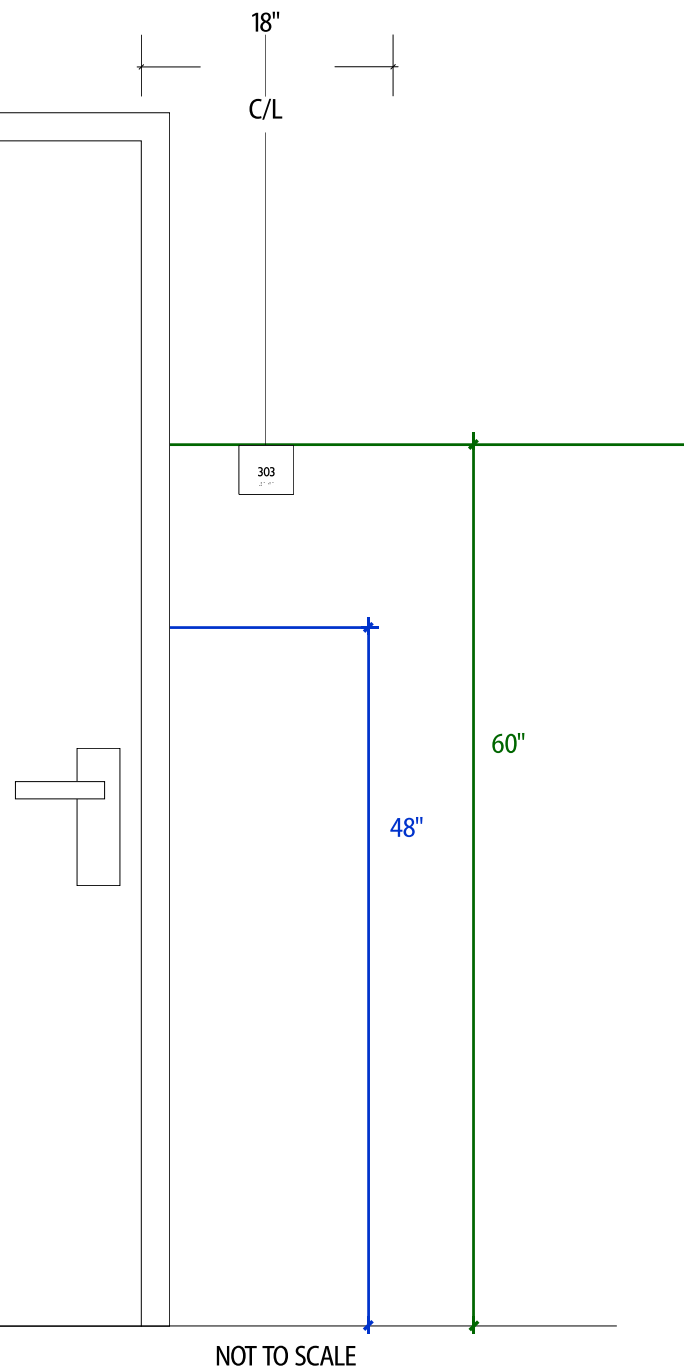
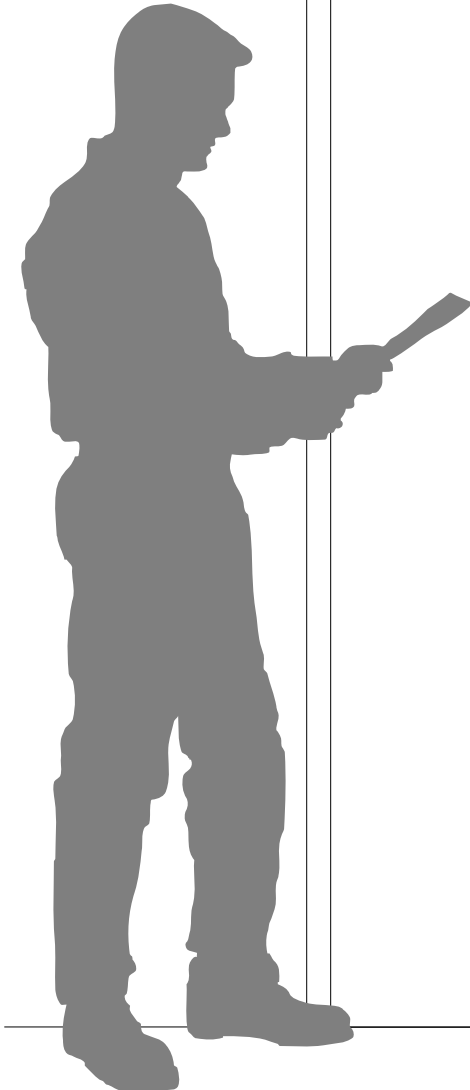
Page 0.4.0

Typical Sign Installation Location for:

- Unit Number Signs
- Room Name Signs
- Exit Stair Down Signs
- etc.

Requirement Source:

2016 California Building Code
Chapter 11B- Sign Requirements



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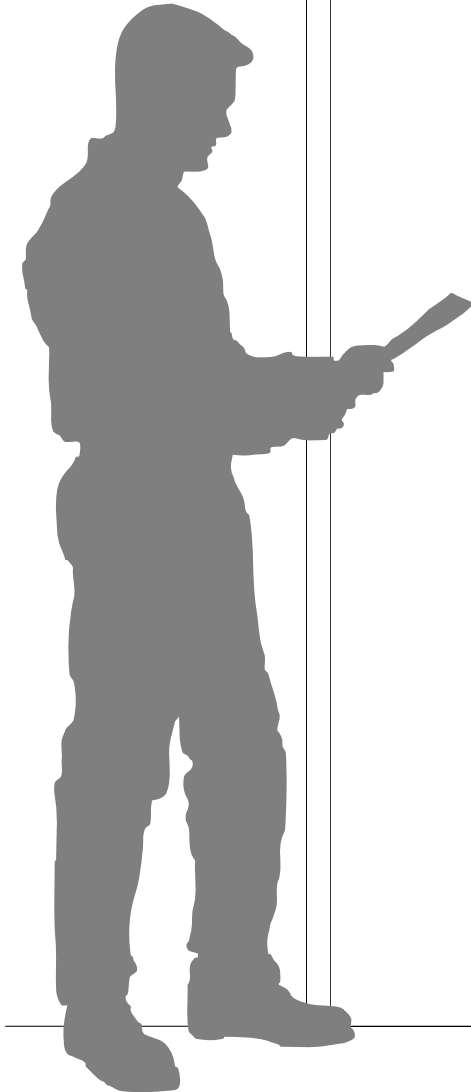
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Page 0.4.1

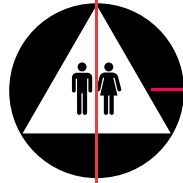
Typical Sign Installation Location for
- Restroom Sign Sets

Requirement Source:

2016 California Building Code
Chapter 11B- Sign Requirements



+ / - 1" of door vertical centerline



18"

C/L



59"

C/L

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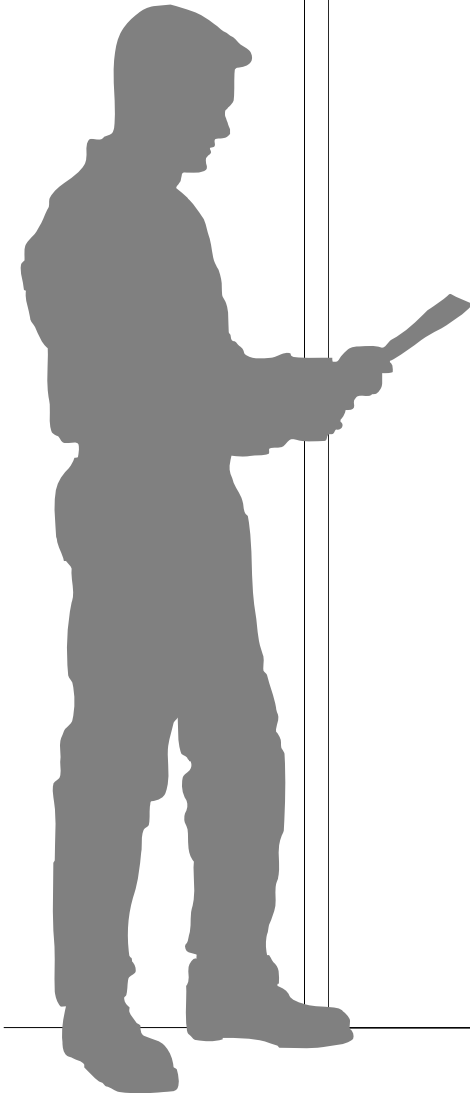
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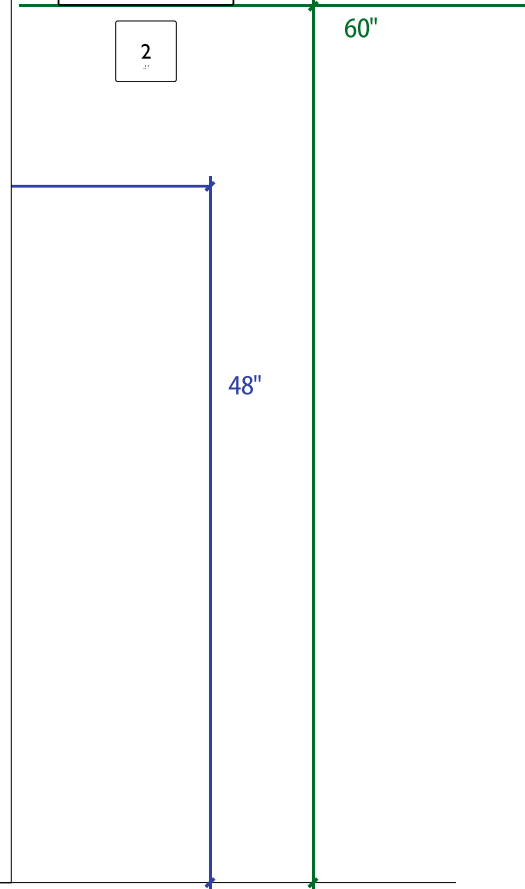
Page 0.4.2

Typical Sign Installation Location for
- Stairwell Sign Sets

Requirement Source for tactile:
2016 California Building Code
Chapter 11B- Sign Requirements



Visual sign must be
visible with door open
or closed.
Sign installation inside
stairwells.



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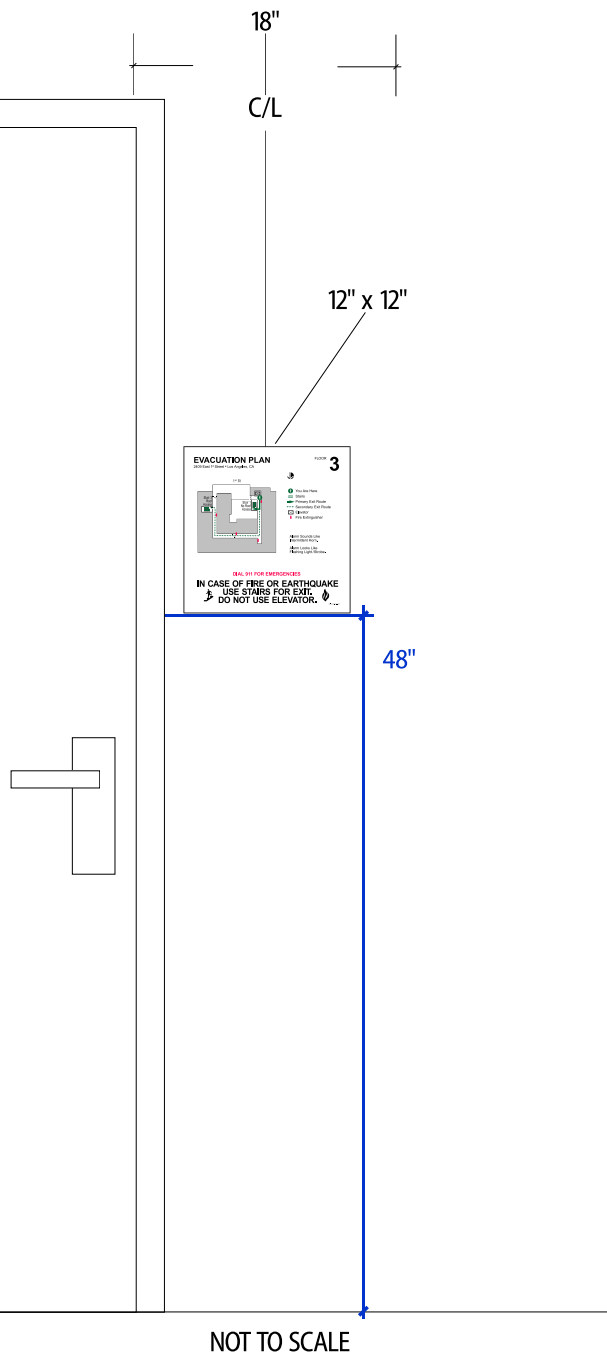
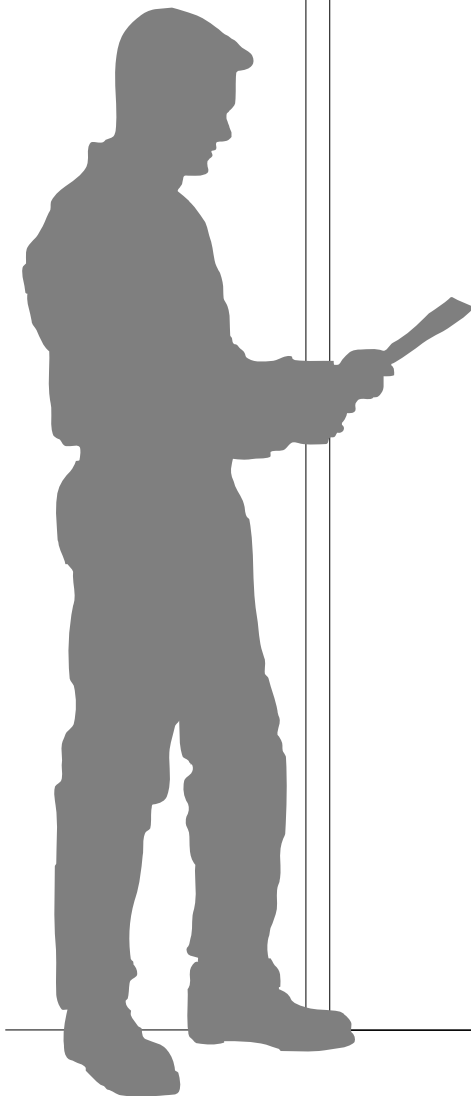
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Page 0.4.3

Typical Sign Installation Location for
- Evacuation Maps

Requirement Source:

2016 California Building Code
Chapter 11B- Sign Requirements



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Page 0.4.4

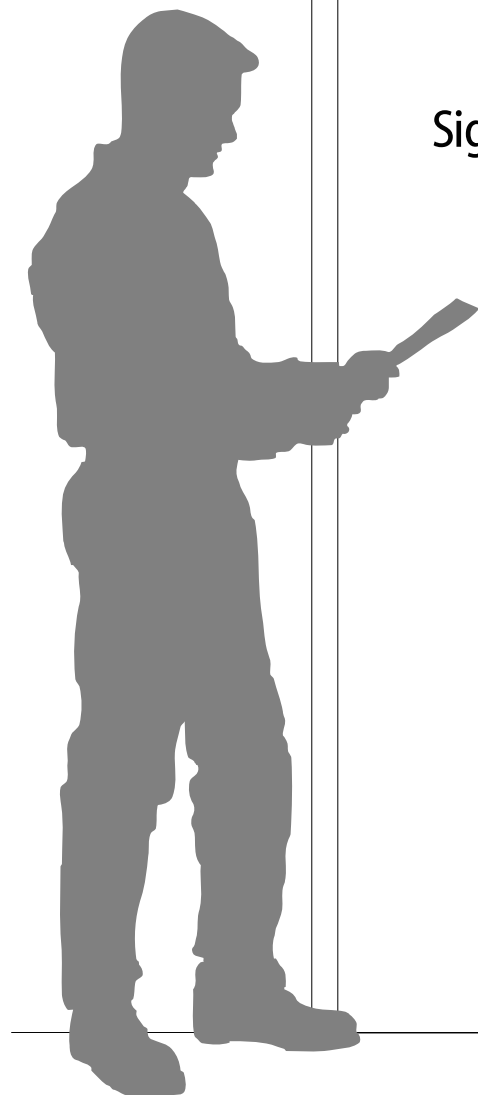
Typical Sign Installation Location for
- Max Occupancy Sign

Max. Occu.: 68

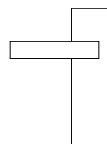
Typical installation location above door:
2" character height

Requirement Source:

2016 California Building Code
Chapter 11B- Sign Requirements



Signs to be posted
inside room.



Maximum
Occupancy
75

70"
typical

Typical installation location below 72":
5/8" character height

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Page 0.4.5

VISUAL CHARACTER SIGNS

Requirement Source:
2016 California Building Code
Chapter 11B- Sign Requirements
Pertinent sections as indicated>

11B-703.5 Visual Characters. Visual characters shall comply with 11B-703.5.

EXCEPTION: Where visual characters comply with 11B-703.2 and are accompanied by Braille complying with 11B-703.3, they shall not be required to comply with 11B-703.5.2 through 11B-703.5.6, 11B-703.5.8 and 11B-703.5.9.

11B-703.5.1 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.

11B-703.5.2 Case. Characters shall be uppercase or lowercase or a combination of both.

11B-703.5.3 Style. Characters shall be conventional in form. Characters shall not be italic, oblique, script, highly decorative, or of other unusual forms.

11B-703.5.4 Character Proportions. Characters shall be selected from fonts where the width of the uppercase letter “O” is 60 percent minimum and 110 percent maximum of the height of the uppercase letter “I”.

11B-703.5.5 Character Height. Minimum character height shall comply with Table 11B-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”.

EXCEPTION: Where provided, floor plans providing emergency procedures information in accordance with Title 19 shall not be required to comply with 11B-703.5.5.

Table 11B-703.5.5
Visual Character Height

Height to Finish Floor or Ground From Baseline of Character	Horizontal Viewing Distance	Minimum Character Height
40 inches (1016 mm) to less than or equal to 70 inches(1778 mm)	less than 72 inches (1829 mm)	5/8 inch (15.9 mm)
	72 inches (1829 mm) and greater	5/8 inch (15.9 mm), plus 1/8 inch (3.2 mm) per foot (305 mm) of viewing distance above 72 inches (1829 mm)
Greater than 70 inches (1778 mm) to less than or equal to 120 inches (3048 mm)	less than 180 inches (4572 mm)	2 inches (51 mm)
	180 inches (4572 mm) and greater	2 inches (51 mm), plus 1/8 inch (3.2 mm) per foot (305 mm) of viewing distance above 180 inches (4572 mm)
greater than 120 inches (3048 mm)	less than 21 feet (6401 mm)	3 inches (76 mm)
	21 feet (6401 mm) and greater	3 inches (76 mm), plus 1/8 inch (3.2 mm) per foot (305 mm) of viewing distance above 21 feet (6401 mm)

11B-703.5.6 Height From Finish Floor or Ground. Visual characters shall be 40 inches (1016 mm) minimum above the finish floor or ground.

EXCEPTIONS:

1. Visual characters indicating elevator car controls shall not be required to comply with 11B-703.5.6.
2. Floor-level exit signs complying with Chapter 10, Section 1011.7 shall not be required to comply with 11B-703.5.6.
3. Where provided, floor plans providing emergency procedures information in accordance with Title 19 shall not be required to comply with 11B-703.5.6.

11B-703.5.7 Stroke Thickness. Stroke thickness of the uppercase letter “I” shall be 10 percent minimum and 20 percent maximum of the height of the character.

11B-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.

11B-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.

11B-703.5.10 Format. Text shall be in a horizontal format.

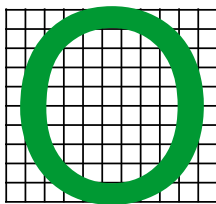
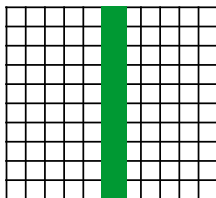


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VISUAL CHARACTERS

Meets Standards

Style:	Arial	✓
Width to Height:	 92%	✓
Stroke:	 14%	✓



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Page 0.5.1
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