



Section 273000: Area of Refuge - Two-Way Communication Signage

- Area of Refuge Signage

Part 1 - General

1.0 Summary

- 1.1 The Area of Refuge locations shall include 3 code required signs (**Part #7050/7044/7049SS**).
- 1.2 1007.9 of the IBC 2009 requires if the exit signs are illuminated, Area of Refuge signs shall be illuminated (**Part #7050**).
- 1.3 1007.9 of the IBC 2009 requires tactile signage complying with ICC A117.1 shall be located at each door to an Area of Refuge (**Part #7044**).
- 1.4 1007.11 of the IBC 2009 requires instruction signage on the use of the area under emergency conditions located at each *Call Box* (**Part #7049SS**). The instructions shall include all of the following:
 - 1.4.1 Persons able to use the exit stairway do so as soon as possible, unless they are assisting others.
 - 1.4.2 Information on planned availability of assistance in the use of stairs or supervised operation of elevators and how to summon such assistance.
 - 1.4.3 Directions for use of the two-way communications system where provided.

2.0 Submittals

- 2.1 Submit product data sheets. Include operation manuals.

3.0 Construction

- 3.1 The internally illuminated LED (**Part #7050**) shall be 10.5" H x 14" W x 3"D. Sign must have red LED lights that provide constant uniform illumination. Sign must be UL listed to meet UL 924, NEC, OSHA, NFPA, and Life Safety Code Illumination requirements. Sign must also be provided with directional left and right arrows.
- 3.2 Tactile signage (**Part #7044**) shall be white letters with blue background. Signs shall have "peel and stick" mounting for easy installation. Signs shall also include raised letters and Braille. Dimensions shall be 8" H x 6" W.
- 3.3 Instruction signage (**Part #7049SS**) shall include black letters with silver background. Signs shall have "peel and stick" mounting for easy installation. Dimensions shall be 8" H x 6" W.

4.0 Mounting

- 4.1 The Area of Refuge illuminated sign (**Part #7050**) shall be mounted above 60" but below 80" from the floor to the top of the sign at the entrance to the Area of Refuge to conform to character height and proportion.
- 4.2 The Area of Refuge tactile signage (**Part #7044**) shall be mounted between 48" - 60" from the floor to lowest tactile characters at the entrance to the Area of Refuge.
- 4.3 The Area of Refuge instruction signage (**Part #7049SS**) shall be mounted above or adjacent to each *Call Box* in the stairwell.

5.0 Graphics

- 5.1 Area of Refuge signs shall state the words “Area of Refuge”.
- 5.2 Tactile signage must include both raised letters and Braille.
- 5.3 Add “**D**” to Area of Refuge illuminated sign (**Part #7050**) for double sided sign.

6.0 Electrical

- 6.1 The Area of Refuge illuminated sign (**Part #7050**) sign shall be 120/277vac and include built-in battery backup.

7.0 Product Substitutions

- 7.1 No substitutions.

8.0 Warranty

- 8.1 The Area of Refuge illuminated signage (**Part #7050**) shall be warranted for a period of two years.

9.0 Manufacturer

The manufacturer shall be:
RATH® Communications
N56 W24720 North Corporate Circle
Sussex, WI 53089
800-451-1460
Website: www.rathcommunications.com