



\* PLEASE NOTE \*  
 PENETRATION LIMITATIONS  
 ON EXIT ENCLOSURES.  
 2005 CSBC 1019.1.2

**DISCLAIMER**

THIS DIAGRAM IS INTENDED ONLY AS A GUIDE.  
 BRUCE J. SPIEWAK A.I.A. CONSULTING  
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 THIS DIAGRAM WILL ENSURE CODE  
 COMPLIANCE IN ANY SPECIFIC INSTALLATION

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**SAMPLE EXIT DOOR LAYOUT  
 AND SIGNAGE**

DRAWN BY: C BARAN

DRAWING: SK - 4.1

SCALE: 1/2" = 1'-0"

JULY, 15, 2014

# 2005 CONNECTICUT STATE BUILDING CODE

## Sign A.

Section 1011.1: Where required. Exits and exit access doors shall be marked by an approved exit sign readily visible from any direction of egress travel. Access to exits shall be marked by readily visible exit signs in cases where the exit or the path of egress travel is not immediately visible to the occupants. Exit sign placement shall be such that no point in an exit access corridor is more than 100 feet of the listed viewing distance for the sign, which is less, from the nearest visible exit sign.

## 1011.2 Illumination.

Exit signs shall be internally or externally illuminated.

Exception: Tactile signs required by Section 1011.3 need not be provided with illumination.

## Sign B.

### Ct. 2009 Amd.

1011.1.2 Accessible exits. Where exit signs are required by Section 1011.1 of this code, accessible exit doors at the level of exit discharge that lead directly to accessible paths of exit discharge shall additionally be marked by the **International Symbol of Accessibility**. Such symbol shall be not less than 6 inches high and shall be incorporated into the required exit sign or shall be located directly adjacent to it. Such symbol shall meet the requirements of Section 1011.

## Sign C.

Section 1007.6.5: Identification. Each door providing access to an area of refuge from an adjacent floor area shall be identified by a sign complying with ICC A117.1, stating: **AREA OF REFUGE**, and including the **International Symbol of Accessibility**. Where exit sign illumination is required by Section 1011.2, the area of refuge sign shall be illuminated.

Additionally, tactile signage complying with ICC A117.1 shall be located at each door to an area of refuge. (Tactile and Braille is required on tactile signage. ANSI A117.1 2003. 703.3, 703.4, 703.3.10, 703.3.11, and 703.4.5).

## Item D.

Section 1008.1.8.2: Hardware height. Door handles, pulls, latches, locks, and other operating devices shall be installed 34 inches minimum and 48 inches maximum above the finished floor.

Section 1008.1.9: Panic and fire exit hardware. Where panic and fire exit hardware is installed, it shall comply with the following:

1.) The actuating portion of the releasing device shall extend at least one half of the door leaf width.

2.) A maximum unlatching force of 15 pounds (67 N)

Each door in a means of egress from occupancy of Group A or E having an occupant load of 100 or more and any occupancy of group H-1, H-2, H-3, or H-5 shall not be provided with a latch or lock unless it is panic hardware or fire exit hardware.

If balanced doors are used and panic hardware is required, the panic hardware shall be the push pad type and the pad shall not extend more than one half the width of the door measured from the latch side.

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**Sign E or F.**

Ct. 2009 Amd.

1011.1.1 Floor proximity exit signs. Where exit signs are required by Sections 1011.1 of this code, exit access doors and exit doors shall additionally be marked by floor proximity exit signs in Group A occupancies with an occupant load of more than 300, Group B medical occupancies, Group I-1 occupancies, Group I-2 occupancies, Group R-1 hotels and motels and Group R-2 dormitories.

Ct. 2009 Amd.

1011.1.1.2 Approval. Floor proximity exit signs shall be listed and labeled in accordance with UL 924, Emergency Lighting and Power Equipment, Edition 9, dated February 24, 2006.

**Sign E or F.**

CT. 2005 Amd.

Section 1011.1.1.1: Location and illumination: Floor proximity exit signs shall be located with the bottom of the sign not less than 6 inches nor more than 18 inches above the finished floor. The signs shall be located on the door or adjacent to the door with the nearest edge within 4 inches of the door. Floor proximity exit signs shall be illuminated in accordance with the requirements of Section 1011.4 or Section 1011.5 of this code.

**Sign G.**

Section 1011.3: Tactile exit signs. A tactile sign stating **EXIT** and complying with ICC A117.1 shall be provided adjacent to each door to an egress stairway, an exit passageway and the exit discharge. (Tactile and Braille is required on tactile signage. ANSI A117.1 2003. 703.3, 703.4, 703.3.10, 703.3.11, and 703.4.5).

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1110.4 Interior signage. Interior signs that designate permanent rooms and spaces shall be raised text characters and Braille, designed and located in accordance with ICC/ANSI A117.1-2003. Mounting location for signage shall be such that any person approaching the signage will not encounter protruding objects, or stand within the swing of any door. (Stair information signage is required in Tactile and Braille. ANSI A117.1 2003. 703.3 and 703.4)

**ITEM H.**

CT 2009 Amd.

Section 1026.1: Where required: In addition to means of egress illumination and required by Section 1006, floor proximity egress path marking systems or devices shall be required in exit access corridors serving an occupant load greater than 30 in the following newly constructed occupancies:

1. Group A occupancies with a total occupant load greater than 300.
2. Group B medical occupancies.
3. Group E occupancies.
4. Group I-1 occupancies.
5. Group I-2 occupancies.
6. Group R-1 hotels and motels.
7. Group R-2 dormitories.

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**ITEM H.**

CT 2009 Amd.

Section 1026.1: Continued:

Exceptions:

1. Group E occupancies where each classroom has at least one door directly to the exterior and rooms for assembly purposes have at least one-half of the required means of egress doors opening directly to the exterior. Exterior doors specified in this exception are required to be at ground level.
2. In corridors or hallways located within Group R-1 and R-2 sleeping units or dwelling units.
3. Such systems shall not be required in existing buildings of any occupancy including those undergoing repair, addition, alteration or change of occupancy.

1026.2 Size and location: Where required by Section 1026.1, floor proximity egress path marking systems or devices shall be located on the walls of exit access corridors within 18 inches of the finished floor to provide a visible delineation of the path of travel along the exit access corridor. Such markings or devices shall be essentially continuous, except as interrupted by doorways, intersecting hallways and corridors or other similar architectural features. Where such systems or devices are photoluminescent, they shall be a minimum of 1 inch and a maximum of 2 inches in width.

1026.3 Device or system requirements: Floor proximity egress path marking systems or devices shall be listed and labeled and installed in accordance with the manufacturer's installation requirements. Such systems shall not incorporate arrows, chevrons, signs or alternating lighting patterns designed or intended to lead an occupant to any one specific exit in preference over another exit.

Exception: Systems incorporating arrows, chevrons, signs or alternating lighting patterns designed or intended to lead an occupant in any one specific direction shall be permitted in dead end corridors.

Section 1026.4: Materials: Floor proximity egress path marking systems or devices shall be permitted to be made of any material, including paint. Such materials shall include, but not be limited to: self-luminous materials; photoluminescent materials; and electrical photo luminescent materials. Materials shall comply with either:

1. UL 1994 Standard for Luminous Egress Path Marking Systems, Edition 3, dated January 30, 2004, or
2. ASTM E 2072, except that the charging source shall be 1 fc (10 lux) of fluorescent illumination for 60 minutes, and the minimum luminance shall be 5 millicandelas per square meter after 90 minutes.

Section 1026.5: Illumination: Floor proximity egress path marking systems or devices shall be continuously illuminated or shall illuminate within 10 seconds in the event of power failure. Illumination shall be maintained for a period of not less than 90 minutes following loss of power to the corridor within which the system or device is located.

Section 1026.5.1: Photoluminescent systems or devices: Corridors where photoluminescent floor proximity exit path marking systems or devices are installed shall be provided with the minimum means of egress illumination required by Section 1006 for at least 60 minutes prior to periods when the building is occupied.

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