

SECTION 10 14 00 - SIGNAGE

PART 1 - GENERAL

1.1 SYSTEM REQUIREMENTS

- A. Design Requirements
1. Comply with Part 1.6, B for room and door numbering and Part 1.6, C for elevator numbering.
 2. Include all interior signs within the construction contract.
 3. Update existing signage to meet current standards for renovation projects.
 - a. The signage system may be customized with input from the Facility Operations, the building administrator through the University Project Manager.
 - b. Exemption: Lawrence Street Center and CU Denver Building. Match signage to existing building signage.
 4. If any of the directions in this standard do not meet current ADA requirements, send all discrepancies to the University Project Manager.

1.2 DEFINITIONS

- A. Way Finding Signs:
1. Type A1 – Directional by Department: Place one wall mounted sign at each corridor junction and main entry points in each building. Two signs may be used as required. Indicate which direction to go for each department, conference room, etc. Location to be most readily visible to the preponderance of the traffic flow at the intersection. The size of the sign can vary depending on the quantity of department names desired.
 2. Type A2 – Directional by Room Number: Place one overhead sign at each corridor junction where a wall is not available to accept a Type A1 sign. Indicate room number ranges in lieu of departments.
 3. Type B1 - Room Identification (Room Number with Paper Insert):
 - a. At each active corridor entrance to a room, install a sign with the room number. Not used for mechanical, electrical, janitorial, telecom, restrooms, or most storage rooms.
 - b. Paper insert (Sign Type H) content may vary and can include the following information: Administrative unit name, the name(s) of each individual(s) working in the room, and individual's title (this will be the department's option). Coordinate with the University Project Manager.
 - c. Top of sign to be 60" from the finished floor surface on the latch side of the door, with the sign edge one inch from the door frame. Where architectural constraints preclude this location, the Building Administrator will determine an alternate location through the University Project Manager.
 4. Type B2 – Suite Identification (Room Number with Paper Insert):
 - a. At each active corridor entrance to a suite, install a sign with the range of room numbers. Not used for mechanical, electrical, janitorial, telecom, restrooms, or most storage rooms.
 - b. Paper insert (Sign Type H) content may vary and can include the following information: Administrative unit name, the name(s) of each individual(s) working in the room, and individual's title (this will be the department's option). Coordinate with the University Project Manager.
 - c. Top of sign to be 60" from the finished floor surface on the latch side of the door, with the sign edge one inch from the door frame. Where architectural constraints preclude this location, the Building Administrator will determine an alternate location through the University Project Manager.
 5. Type B3 – Room Identification (no number): Typically used for additional suite or room information. Mount directly below sign type B1 or B2.
 6. Type B4 – Identification Frame: Typically used to hold unique sign plaques.
 7. Type C - Room Number: Where Room Identification Signs (Type B1 or B2) are not installed, provide a room number sign at each doorway from a corridor into a room, and each doorway from

one room into an adjoining room. These signs are used for mechanical, electrical, janitorial, telecom, restrooms, and most storage rooms.

- a. Provide room number signs on the corridor side of the door frame.
 - b. Mount on the head of the door frame, centered above the door.
 - c. Mount at door header height when used to identify lab alcoves and bays.
8. Type D - Restroom Identification: Used in addition to sign type C. Provide at the corridor side to designate use as men, women, unisex or shower. Sign information will show ADA accessibility as applicable.
- a. Top of sign to be 60" from the finished floor surface on the latch side of the door, with the sign edge one inch from the door frame. Where architectural constraints preclude this location, the Building Administrator will determine an alternate location through the University Project Manager.
9. Type E - Unique Door Identification: Where a door number is not the same as a room number (i.e. more than one door into a room) or where doors separate portions of corridors and are not associated with a room number, install signs identifying the "unique" door number.
- a. Mount right justified on the corridor side of the door header.
 - b. Mount right justified on the both sides of the door header at doors separating portions of corridors or between two rooms.
10. Type F - Exterior Door Identification: At the exterior face of all exterior doors, mount exterior door identification signs on the head of the door frame, centered above the door to identify the designated door number.
11. Type G - Elevator Identification: Mount centered on elevator door frame head at each elevator. Include the University building number and elevator cab number.
12. Type H – Paper Insert: For use with Type B1, B2, and B4. Coordinate information to be printed on paper insert with the University Project Manager.

B. Safety/Code Signs:

1. Type L - Room Capacity: Locate at the main exit from the room.
2. Type M1 - Outside the Stair/Stairwell: Mount adjacent to door leading into the stairwell.
3. Type M2 – Outside the Transitional Stair/Stairwell: Mount adjacent to door leading into the stairwell.
4. Type N - Inside the Stair/Stairwell: Mount adjacent to door leading out of the stairwell.
5. Type P – Caution: Provide at entry to lab suites, lab alcoves, procedure rooms, dark rooms and environmental rooms. For use with Type B4. Mount below Type B signs, where applicable.
6. Type Q – Emergency Quick Reference Guide: Mount in every public space or room, classrooms, laboratories, meeting spaces, and near red phones. Can be used to display non-emergency information.

C. Notices and Displays: Coordinate locations with the University Project Manager.

1. Type S – Elevator Notice and Display Panels: Mount inside the elevator cab.

D. Commemorative Plaques (as of 10/15/2020) – REQUIRED PER CU SYSTEM.

1. When a new construction or renovation project is completed and a building is opened, commemorative plaques shall pay tribute to officials who served at any time from when a project was authorized through completion of construction. The commemorative building plaque process and implementation is housed within the Design Review Board and overseen by the Senior Director of Capital Assets.
2. Commemorative plaques shall meet the following criteria:
 - a. All qualified buildings completed after December 31, 2017 shall contain a building plaque.
 - b. Completion is defined as the date a campus files a notice of substantial completion with the Office of the State Architect.
 - c. Placement shall be in a visible and appropriate location inside building.
 - d. The University Architect, in consultation with campus leadership, shall select plaque location.
 - e. The cost shall be borne from project budget.

- f. Design shall be consistent with the approved type and material. The approved option shall be selected by the University Architect.
 - g. Use of the Latin version of the regent seal is approved.
 - h. Specifications and drawings of building plaque design to remain constant within University System.
 - i. The tribute shall include names of certain officials serving at the time a project was authorized through project completion, including: the Board of Regents, the university president, the campus chancellor and state officials as indicated below.
 - j. The Sr. Director of Capital Assets shall provide the list of regent names to include on plaque.
 - k. The dedication date may be month and year in lieu of specific date.
 - l. In the event of substantial future remodel or demolition of building, the plaque shall be relocated within the building as the design allows, or given to the university heritage center.
 - m. Plaques are not required to be installed within parking garages, residential facilities, or residential support facilities.
3. Commemorative Plaques Information
- a. Cash-Funded Projects - Plaque shall include the following Names and Listing Order:
 - 1) University of Colorado (top title of plaque)
 - 2) Building Name
 - 3) Board of Regents (listed in alphabetical order)
 - a) All Regents serving from authorization to dedication of project
 - 4) President of University
 - 5) Chancellor of Campus
 - 6) Dedication Date
 - b. State-Funded Projects - Plaque shall include the following Names and Listing Order:
 - 1) University of Colorado (top title of plaque)
 - 2) Building Name
 - 3) Governor
 - 4) Colorado General Assembly
 - 5) Board of Regents (listed in alphabetical order)
 - a) All Regents serving from authorization to dedication of project
 - 6) Dedication of project
 - 7) President of University
 - 8) Chancellor of Campus
 - 9) Dedication Date

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Basis of Design: ASI Sign Systems; ASI Interior 20 Series.
- B. Acceptable Manufacturers: Subject to compliance with requirements, provide products from one of the following:
 - 1. ASI Sign Systems, Inc; 303-755-0997
 - 2. Forum Engraving; 303-761-8084
 - 3. Art Form Signs; 303-975-4641

2.2 SIGNAGE MATERIALS/COMPONENTS

- A. Product
 - 1. Ceiling Mounted, Projected, and Wall Mounted Signs:
 - a. Text or Graphic Technique: Screen process
 - 2. Interior "Paperflex" "Inhouse" Updatable Signs
 - 3. Vinyl Die Cut Characters

4. Commemorative Plaques
 - a. Confirm material with campus architect and project manager.
- B. Materials and Components
 1. Fixture Aluminum Panels: Extruded aluminum, alloy AA6060, with high temperature cured polyester color coating. Provide one piece formed aluminum/photopolymer panel for ADA-Ready sizes of 3-1/4" (82.5mm) high and above.
 2. Face Components:
 - a. ADA-Ready Panels: Aluminum-based ASI Intouch photopolymer tactile and Braille characters with high temperature cured polyester color coating.
 - b. Graphic Panels: High-strength, cold-rolled, 1/32" (0.75 mm) aluminum alloy with high temperature cured polyester coating.
 - c. Flexible Modules: Individual injection molded Noryl letter tiles press fit to cast polycarbonate knob foil textured base.
 3. End Clips:
 - a. ASI 6" and 8" ADA-Ready Panels Extruded aluminum, alloy AA6060, with high temperature cured polyester color coating or similar.
 - b. ASI Panels: Injection molded plastic or similar
 4. Mounting Hardware:
 - a. Wall Rails: Extruded aluminum, alloy AA6060, track-type rail mounted to wall with manufacturer recommended mechanical fasteners or similar.
 - b. Adhesive: 3M VHB Adhesive Transfer Tape.
- C. Finishes:
 1. Colors:
 - a. Type B Room Identification Signs:
 - 1) Main Background Color: SC-903 Medium Grey
 - 2) Building number and dash: SC-906 Cool Grey
 - 3) Rule line: SC-906 Cool Grey
 - 4) Font & Logos: SC-922 Bone
 - 5) Paper Insert: White
 - b. All Other Signs:
 - 1) Main Background Color: SC-903 Medium Grey
 - 2) Font: SC-922 Bone
 - 3) Rule line: SC-906 Cool Grey (where applicable)
 2. Surface Treatment Finish: Manufacturer's standard two-phase finishing process.
 - a. Phase One: Chromatized priming with 2u depth chrome layer for optimum surface coat adhesion and weatherability.
 - b. Phase Two: Painting process employing two component, water-based, non-toxic, lead-free, zero emissions, high temperature cured polyester coating of 20-30u deep.
- D. Way Finding Signs: (Refer to Part 4 – Illustrations for graphical representation and sizes.)
 1. Type A1 – Directional by Department:
 - a. Header Panel: Provide 1-1/2" Helvetica Regular font for floor level number, and 3/4" Helvetica Regular font for building name.
 - b. Tenant Panel: Provide 5/8" Helvetica Regular font.
 - c. Mount: Wall Rails with Adhesive.
 2. Type A2 - Directional by Room Number:
 - a. Double Faced or Single Faced
 - b. Text: 3" Helvetica Regular, #, Condensed 80% font. Provide uppercase letters only.
 - c. Mount: Ceiling Mounted.
 3. Type B1 Room Identification (Room Number with Paper Insert):
 - a. Header Panel: Provide raised text, 5/8" Helvetica Regular font with 24 pt, grade II Braille 3/8" below copy. Provide uppercase letters at all letters within the room number text except the last character, where applicable.

- b. Paper insert content, font, and character size may vary per building. Coordinate with the University Project Manager. Provide paper for insert and computer program with all fonts to the University.
 - c. Mount: Wall Rails with Adhesive.
 4. Type B2 – Suite Identification (Room Number with Paper Insert):
 - a. Header Panel: Provide raised text, 5/8” Helvetica Regular font with 24 pt, grade II Braille 3/8” below copy. Provide uppercase letters only.
 - b. Paper insert content, font, and character size may vary per building. Coordinate with the University Project Manager. Provide paper for insert and computer program with all fonts to the University.
 - c. Mount: Wall Rails with Adhesive.
 5. Type B3 – Room Identification (no number):
 - a. Provide 5/8” Helvetica Regular font. Coordinate text with the University Project Manager.
 - b. Option: Silk Screen Symbol. Coordinate with the University Project Manager.
 6. Type B4 – Identification Frame:
 - a. Mount: Wall Rails with Adhesive.
 7. Type C – Room Number:
 - a. Provide 5/8” Helvetica Regular font. Provide uppercase letters at all letters within the room number text except the last character, where applicable.
 - b. Provide second surface silk-screened copy on 1/8” phenolic.
 - c. Mount: Adhesive
 8. Type D Restroom Identification:
 - a. Header Panel: Provide 5/8” Helvetica Regular font with 24 pt, grade II Braille 3/8” below copy. Provide uppercase letters only.
 - b. Mount: Wall Rails with Adhesive.
 9. Type E – Unique Door Identification:
 - a. Provide 5/8” Helvetica Regular font. Provide uppercase letters at all letters within the door number text except the last character, where applicable.
 - b. Vinyl die-cut alpha numeric characters.
 - c. Provide appropriate contrast with door frame color to meet all applicable code requirements.
 10. Type F – Exterior Door Identification:
 - a. Provide Door Number information in 5/8” Helvetica Regular. Provide uppercase letters only.
 - b. Provide second surface silk-screened copy on 1/8” phenolic.
 - c. Mount: Adhesive
 11. Type G – Elevator Identification:
 - a. Provide 5/8” Helvetica Regular. Provide uppercase letters only.
 - b. Vinyl die-cut alpha numeric characters.
 12. Type H – Paper Insert:
 - a. Paper insert content, font, and character size may vary per building. Coordinate with the University Project Manager.
 - b. Provide paper for insert and computer program with all fonts to the University.
- E. Safety/Code Signs: (Refer to Part 4 – Illustrations for graphical representation and sizes.)
 1. Type L - Room Capacity:
 - a. Provide 5/8” Helvetica Regular for text; 5/8" Helvetica Regular for numerical characters. Provide uppercase letters only.
 - b. Mount: Adhesive
 2. Type M1 - Outside the Stairwell:
 - a. Header Panel: Provide 5/8” Helvetica Regular font with 24 pt, grade II Braille 3/8” below copy. Provide uppercase letters only.
 - b. Main Panel: Provide silk screened stair symbol.
 - c. Mount: Wall Rails with Adhesive.
 3. Type M2 – Outside the Transitional Stair/Stairwell:

- a. Header Panel: Provide 5/8" Helvetica Regular font with 24 pt, grade II Braille 3/8" below copy. Provide uppercase letters only.
 - b. Main Panel: Provide 1/2" Helvetica Regular. Provide uppercase letters only. Provide silk screened stair symbol.
 - c. Mount: Wall Rails with Adhesive.
 4. Type N – Inside the Stairwell:
 - a. Provide Helvetica Regular font with 24 pt, grade II Braille 3/8" below copy. Provide uppercase letters only.
 - b. Comply with UFC text size requirements
 - c. Mount: Adhesive
 5. Type P – Caution:
 - a. Coordinate with Environmental Health and Safety (EHS) through the University Project Manager.
 6. Type Q – Emergency Quick Reference Guide:
 - a. Basis of Design: Deflect-O Classic Image Wall Mount Sign Holder, Clear, 8-1/2"x11" Portrait
 - b. Mount: Anchors set in wall surface.
- F. Notices and Displays
1. Type S – Elevator Notice and Display Panels
 - a. Provide window sign with 1/8" Clear Acrylic Panels.
 - b. Provide 1/4" stainless steel accent strips at header and footer panels. Refer to Part 4 - Illustration.
 - c. Provide Gyford Aluminum 3/16" barrel with cap; Brushed finish. Adhere caps.
 - d. Mount: Anchors set in wall surface.
- G. Commemorative Plaques
- a. Confirm materials with campus architect and project manager.

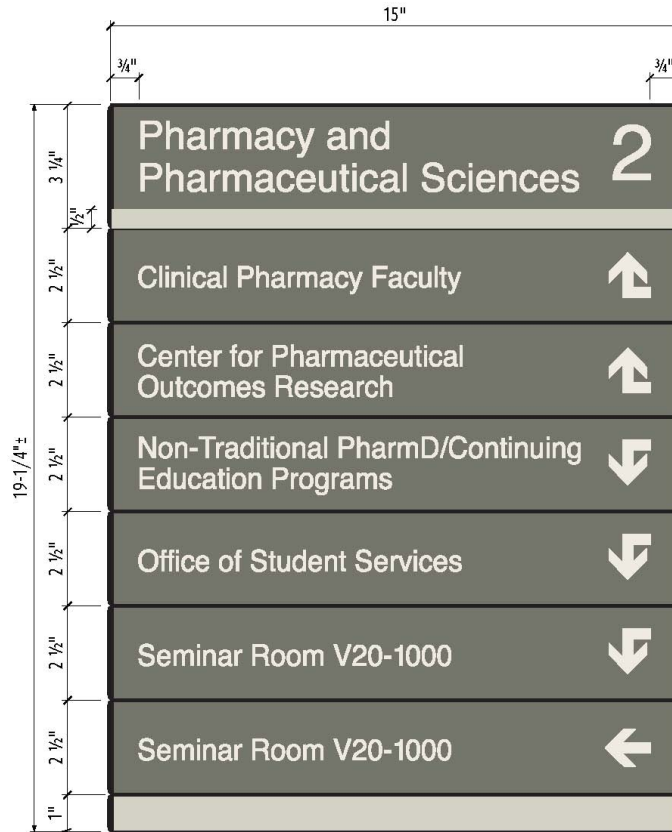
PART 3 - EXECUTION

3.1 INSTALLATION, GENERAL

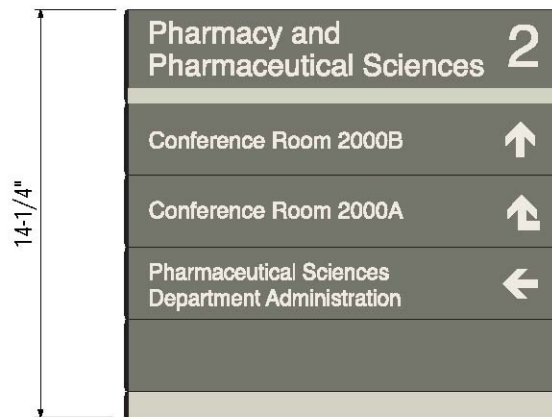
- A. Mounting
1. Mount all signs in accordance with ICC/ANSI 117.1-2003 and ADAAG requirements.

PART 4 - ILLUSTRATIONS

4.1 Type A1 – Directional by Department



Typical A1 Sign

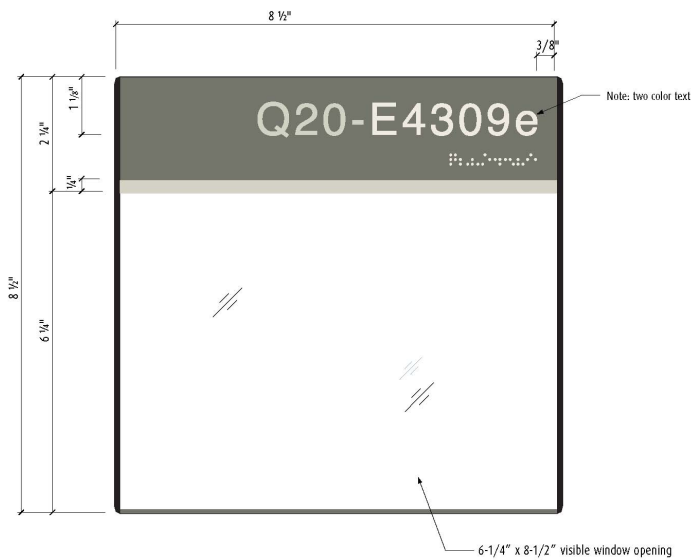


Shorter A1 Sign Option

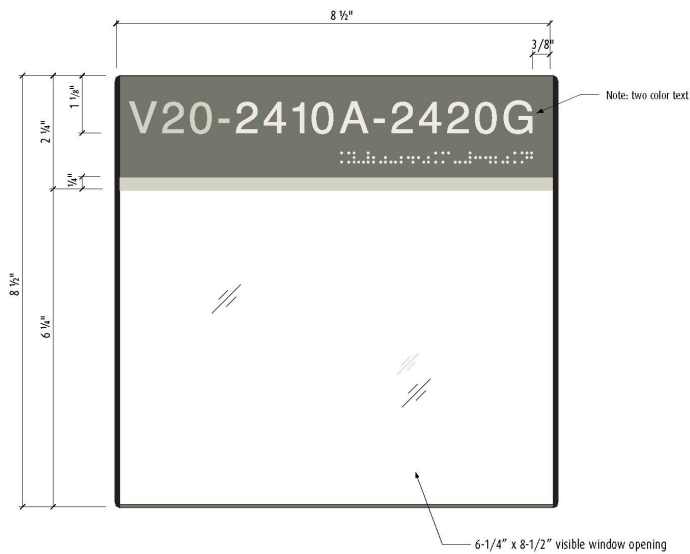
4.2 Type A2 – Directional by Room Number



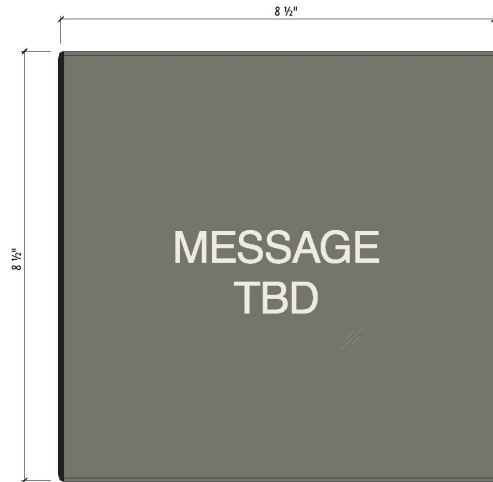
4.3 Type B1 – Room Identification (Room Number with Paper Insert)



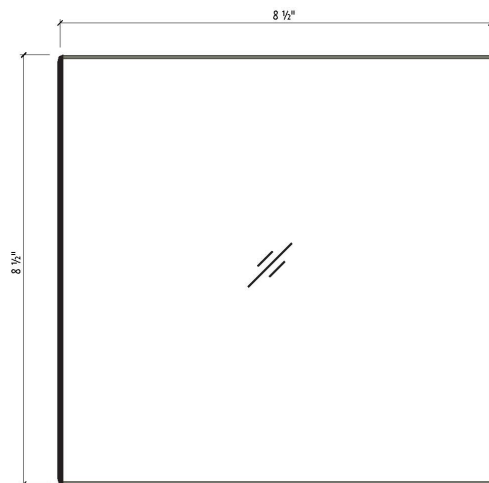
4.4 Type B2 – Suite Identification (Room Number with Paper Insert)



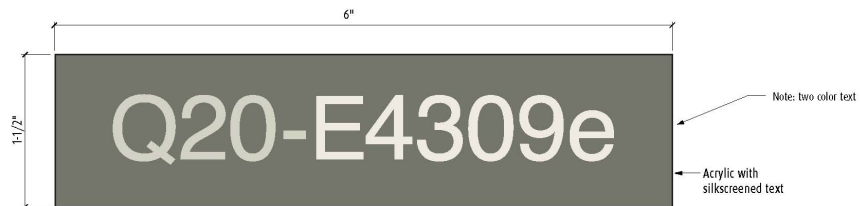
4.5 Type B3 – Room Identification (no number)



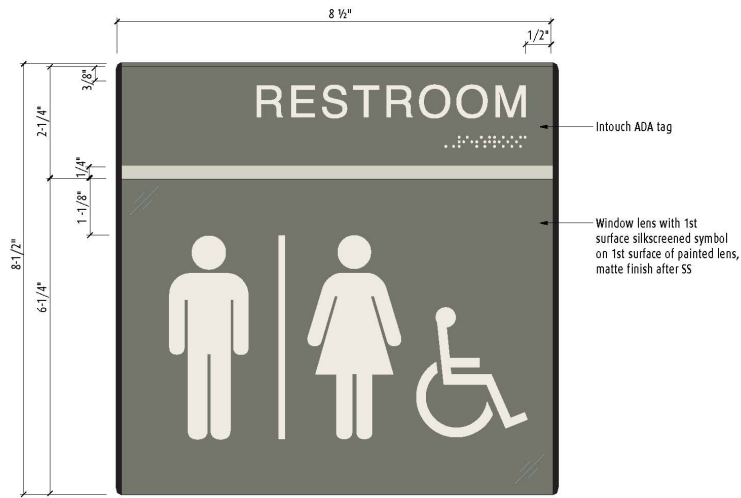
4.6 Type B4 – Identification Frame



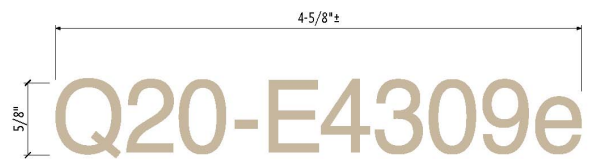
4.7 Type C – Room Number



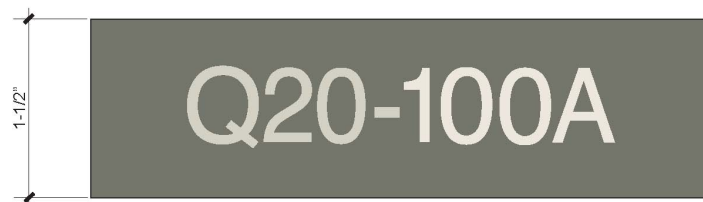
4.8 Type D - Restroom Identification



4.9 Type E – Unique Door Identification



4.10 Type F - Exterior Door Identification



4.11 Type G - Elevator Identification

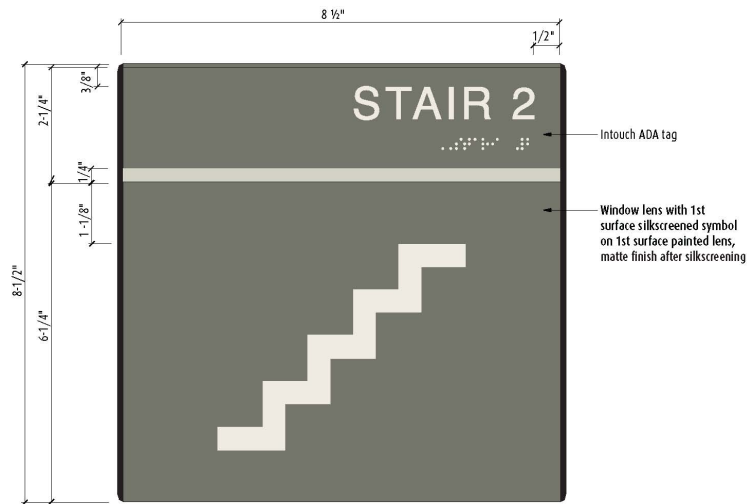


4.12 Type H – Paper Insert: No Illustration Provided.

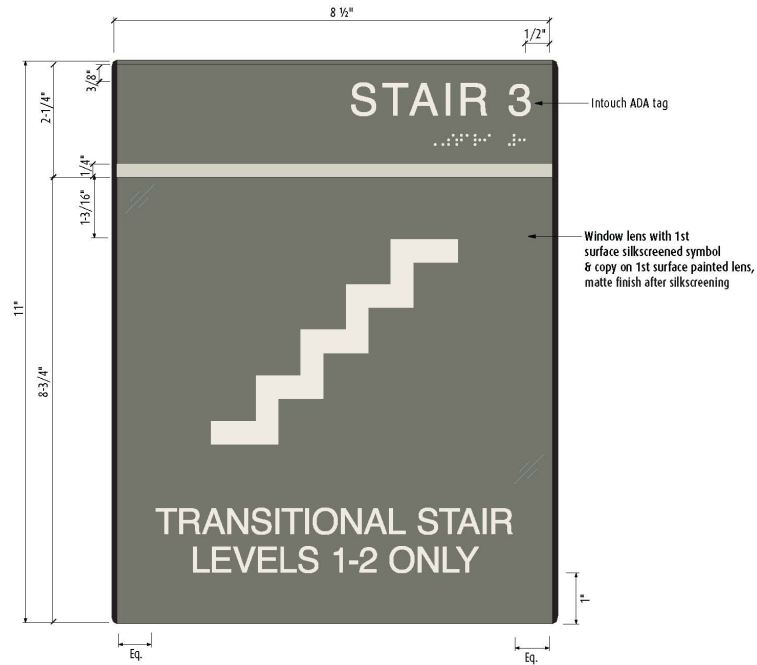
4.13 Type L: Room Capacity



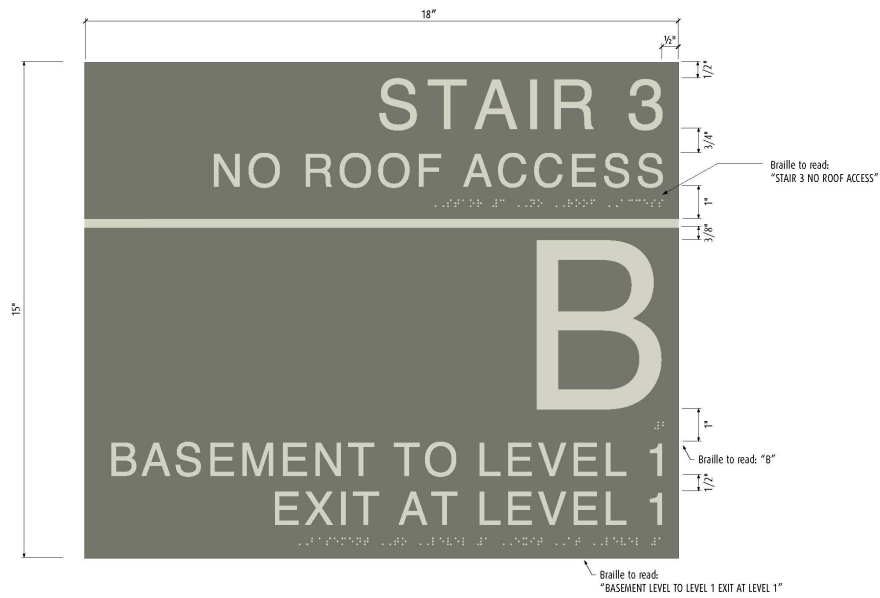
4.14 Type M1: Outside the Stair/Stairwell



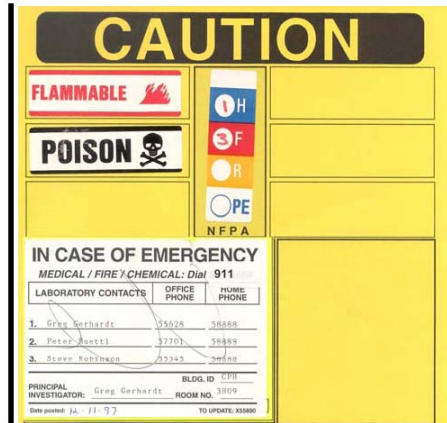
4.15 Type M2: Outside the Transitional Stair/Stairwell



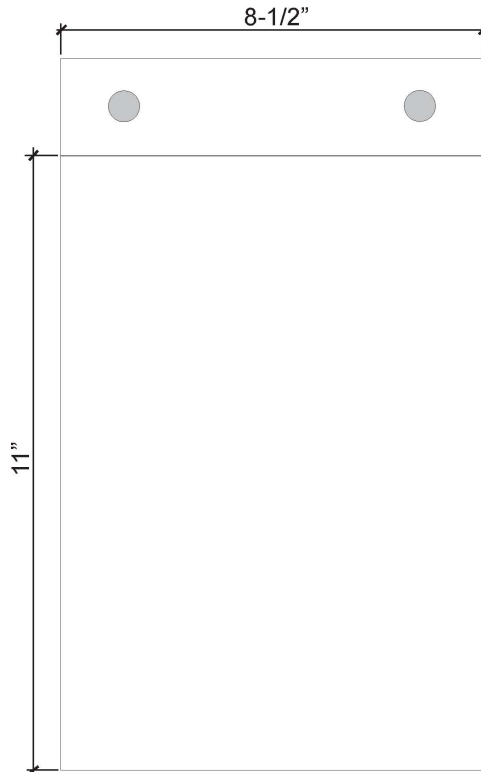
4.16 Type N: Inside the Stair/Stairwell



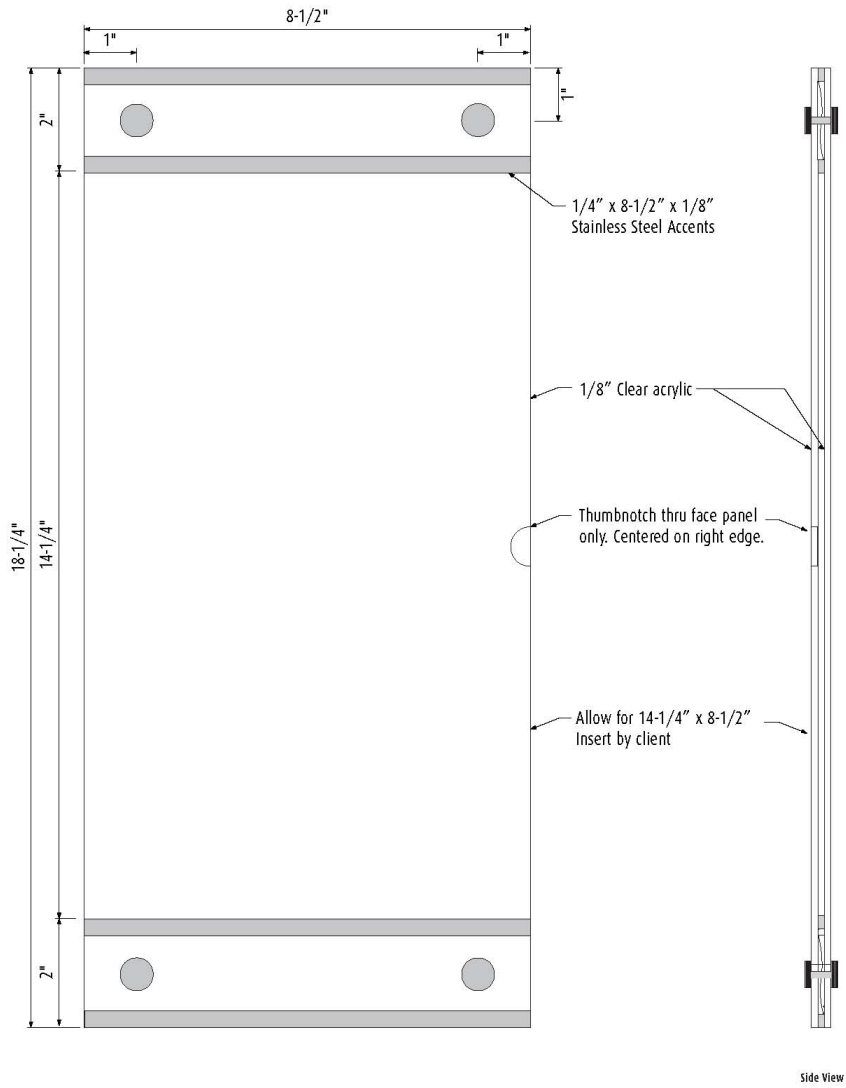
4.17 Type P: Caution



4.18 Type Q – Emergency Quick Reference Guide



4.19 Type S: Elevator Notice and Display Panels



PART 5 - CHANGE LOG

6/3/2021 1. Added Commemorative plaques.

END OF SECTION 10 14 00