

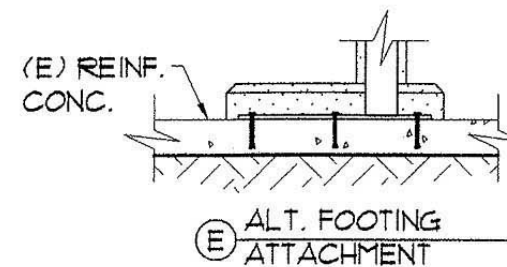
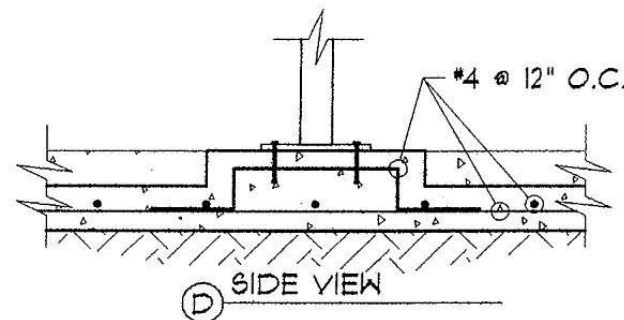
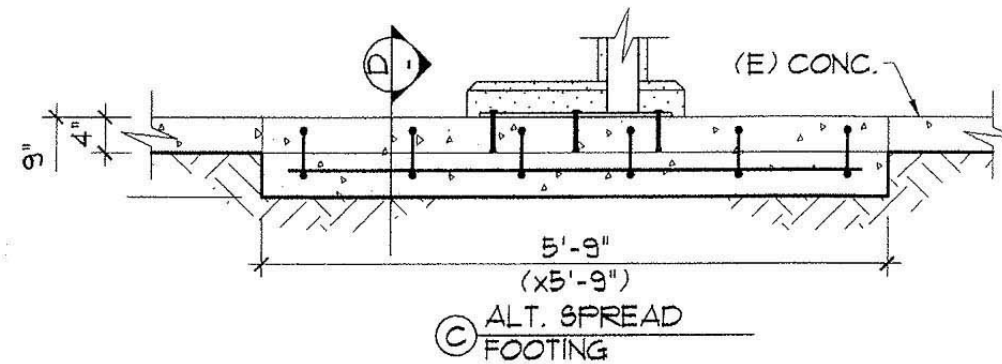
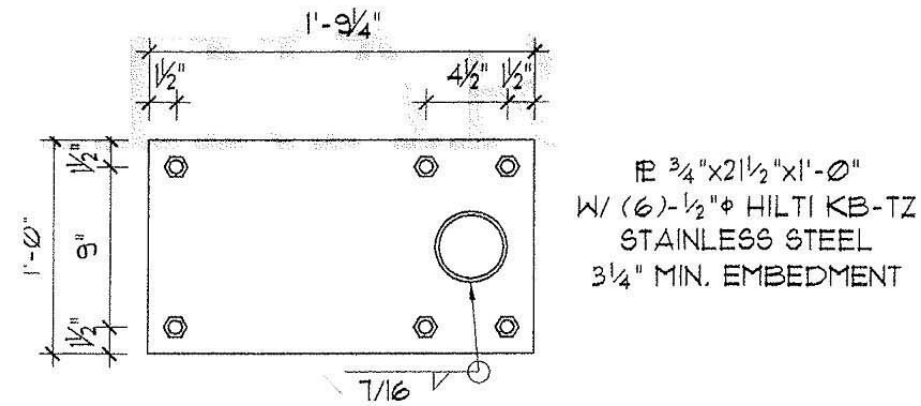
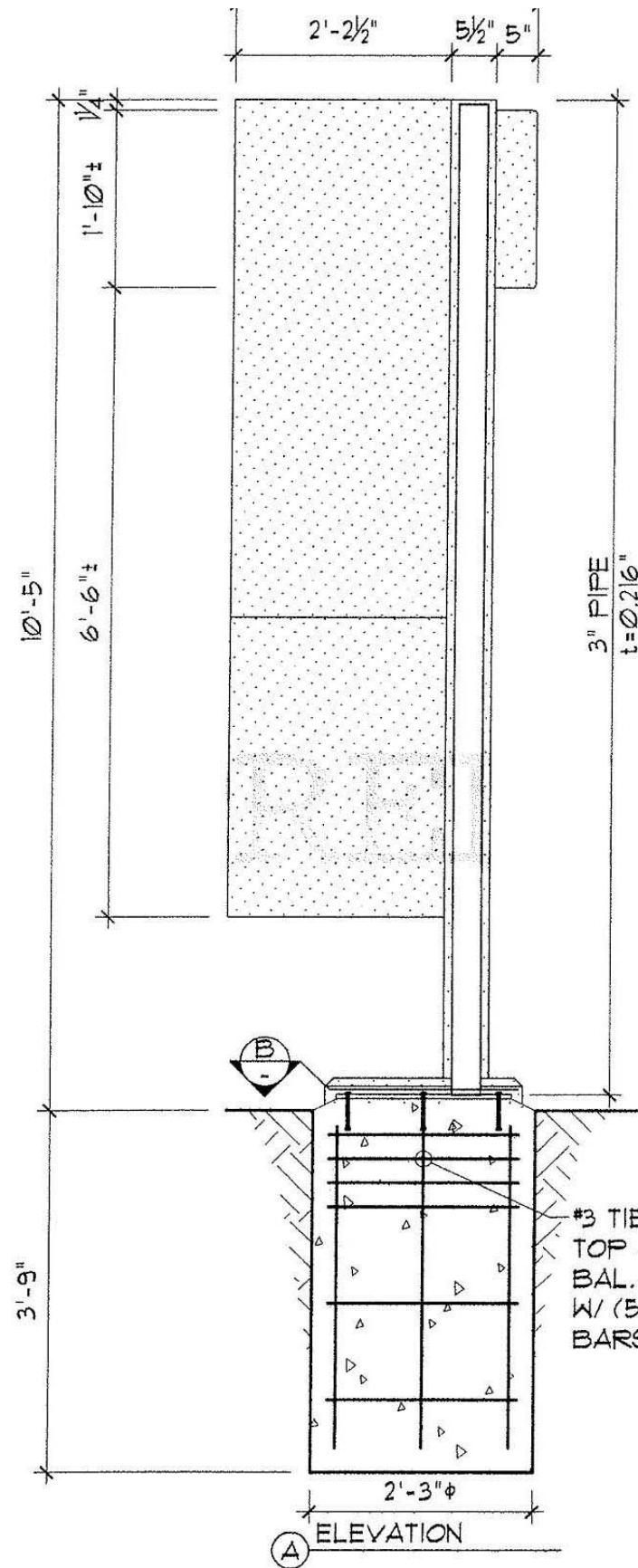
SECTION 9: TABLE OF CONTENTS

<b>Section 9: Installation</b>	
Section 9 Table of Contents	9.0.1
Sign Types A.1, A.2	9.1.1
Sign Types B.1, B.2	9.2.1
Sign Types C.1, C.2, D.1	9.3.1
Sign Type D.2	9.4.1
Sign Type D.3	9.5.1
Sign Type E.1, E.2	9.6.1
Sign Types F.1, F.2	9.7.1
Sign Type H.1	9.8.1
Sign Types J.1B/C, J.3B/C	9.9.1
Sign Types J.2A, J.4A	9.10.1
Sign Types J.2B/C, J.4B/C	9.11.1
Sign Type J.3A	9.12.1
Sign Types N.1, N.2, N.3	9.13.1
Rider Alert at B.1, B.2, C.1, C.2	9.14.1









**GENERAL NOTES FOR POLES AND FOOTING:**

1. CONCRETE  $f'_c=2500$  PSI., MIN. SPECIAL INSPECTION NOT REQUIRED.
2. PIPE STEEL ASTM A53 GRADE B.
3. ROLLED STEEL ASTM A36.
4. SIGN CABINETS SHALL BE FABRICATED IN THE SHOP OF AN APPROVED FABRICATOR.
5. SITE IS NOT SUBJECTED TO WIND SPEED-UP EFFECT ( $K_{zt} \leq 1.0$ ) AS DEFINED IN SECTION 6.5.1.2 OF ASCE 7-05. CONTACT ENGINEER OF RECORD IF SUCH EFFECTS ARE PRESENT.
6. HILTI KB-TZ PER ESR-1917, SPECIAL INSPECTION REQUIRED.
7. SOIL PASSIVE PRESSURE BASED ON 2006 IBC TABLE 1804.2 CLASS 4 OR BETTER. SPECIAL INSPECTION NOT REQUIRED. (IF SOFT OR SANDY SOIL, COLLAPSING OR UNSTABLE SOIL, ORGANIC MATERIALS OR GROUNDWATER ARE ENCOUNTERED, IMMEDIATELY CONTACT THE ENGINEER OF RECORD FOR ADDITIONAL FOUNDATION REQUIREMENTS.)
8. REINFORCING STEEL ASTM A615, GRADE 60.
9. PROVIDE 3" MIN. CLEAR CONCRETE COVER ON ALL STEEL EMBEDDED IN CONCRETE FOOTING.
10. IF THE ANCHOR BOLT OPTION IS USED THE GENERAL CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS ARE IN GOOD CONDITION AT THE LOCATION (AND SURROUNDING AREA) OF THE ANCHOR.

Reference:

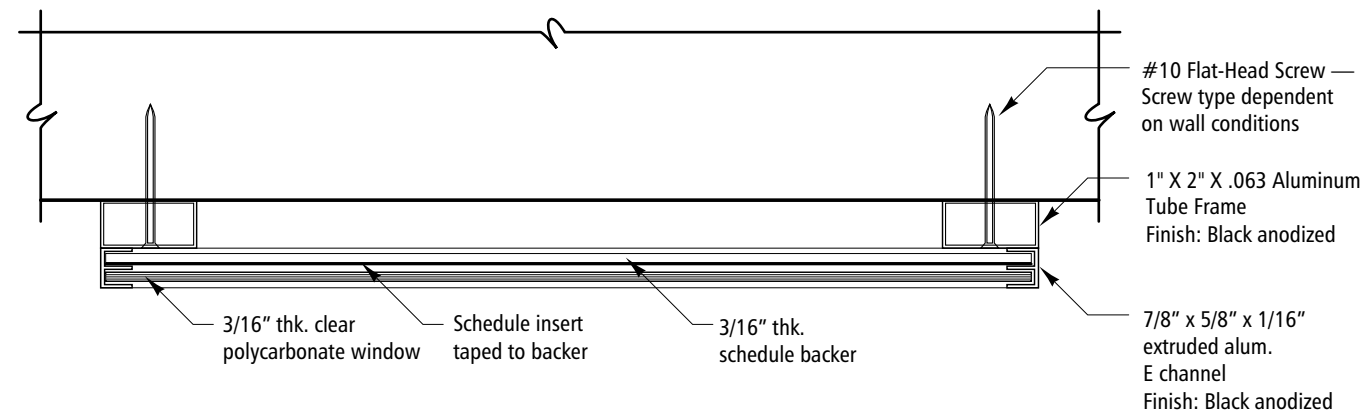
Section 8 for fabrication details  
Section 10 for engineering calculations

**Signing Standards  
Manual**

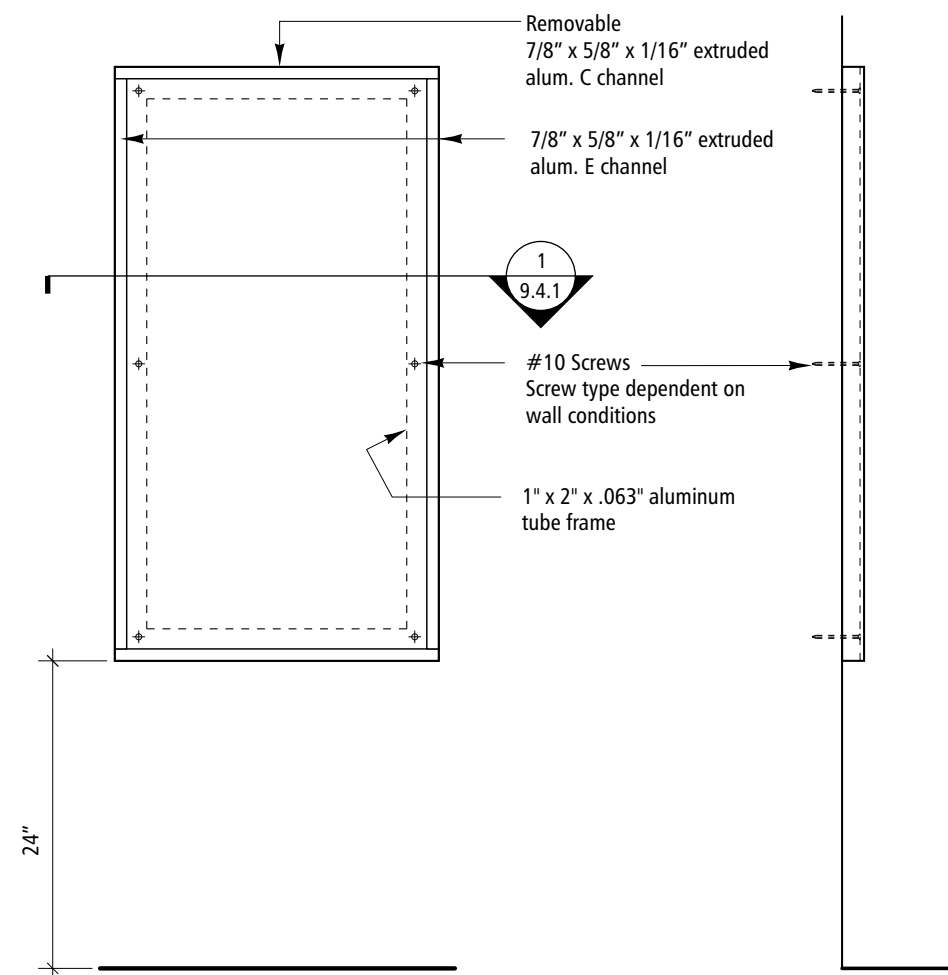
Volume 2  
July 1, 2008

**Section 9:**  
Installation

Sign Type D.2

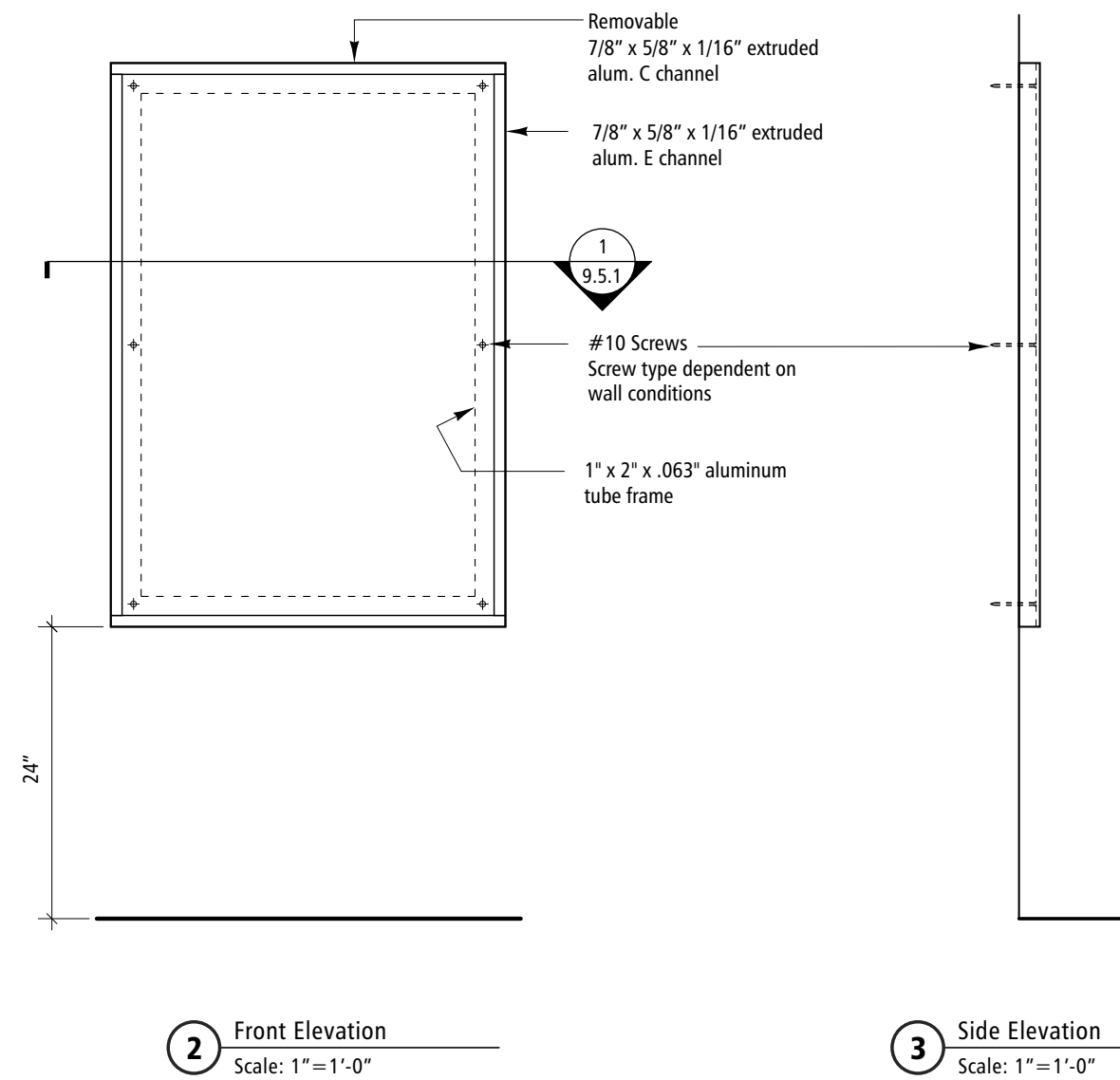
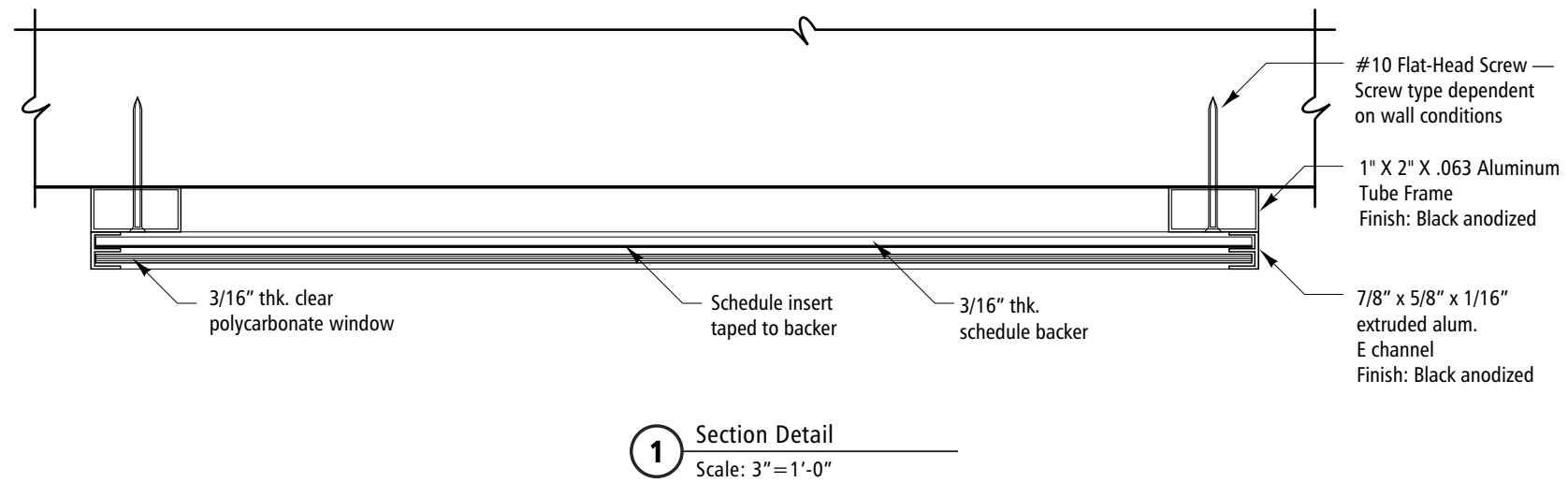


**1** Section Detail  
Scale: 3" = 1'-0"



**2** Front Elevation  
Scale: 1" = 1'-0"

**3** Side Elevation  
Scale: 1" = 1'-0"

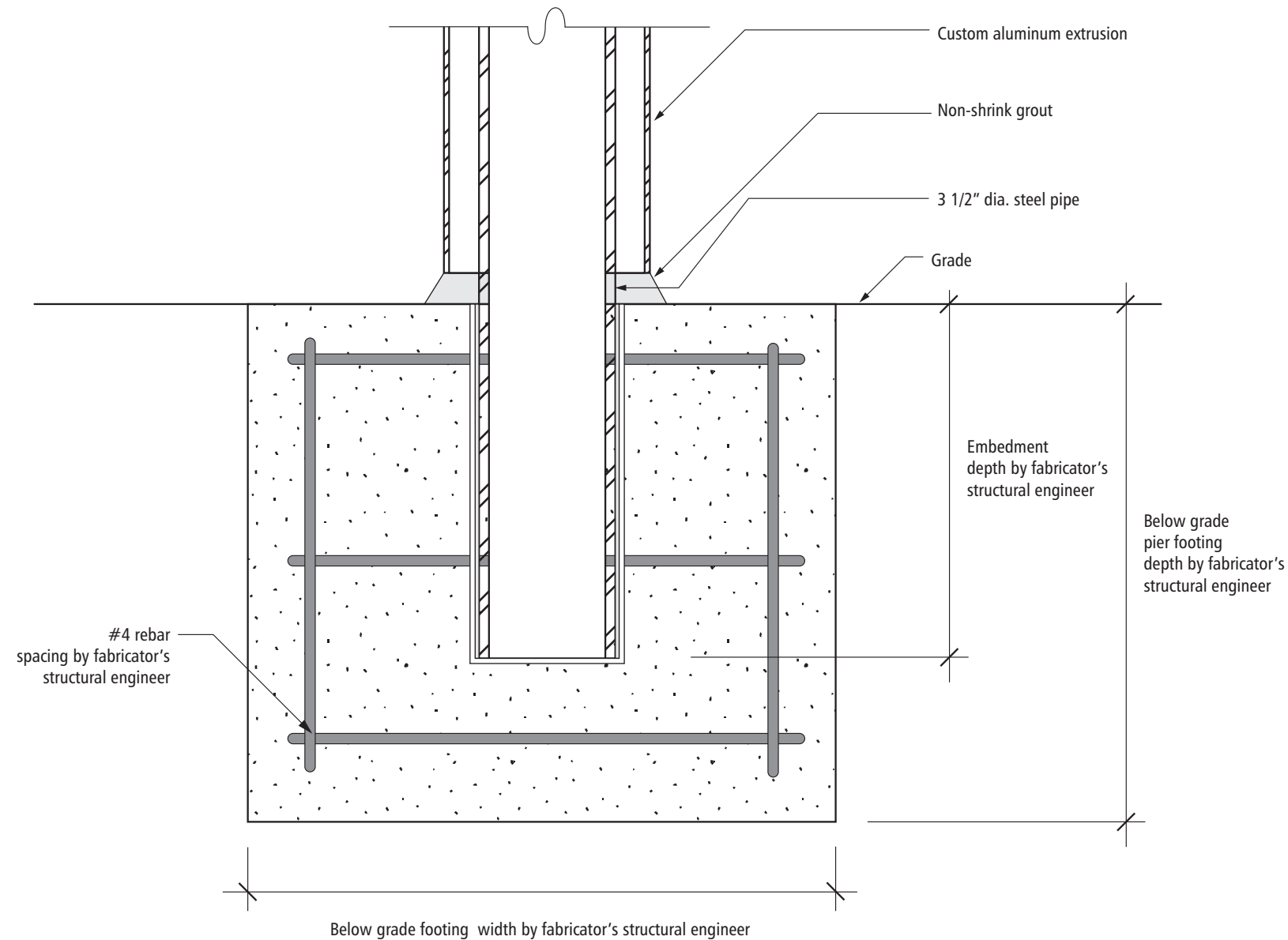


## Signing Standards Manual

Volume 2  
July 1, 2008

### Section 9: Installation

Sign Type E.1  
Sign Type E.2



#### Notes:

1. Cast concrete footing in place with rebar and leave a 3 5/8"  $\varnothing$  or 3 3/4" hole in the footing. (use a pvc tube, etc.)
2. Install sign by inserting the 3 1/2"  $\varnothing$  pipe in place. Secure by injecting non-shrink grout between 3 3/4" hold and 3 1/2"  $\varnothing$  pipe.
3. Verify break-away baseplate requirements per jurisdictional locations.

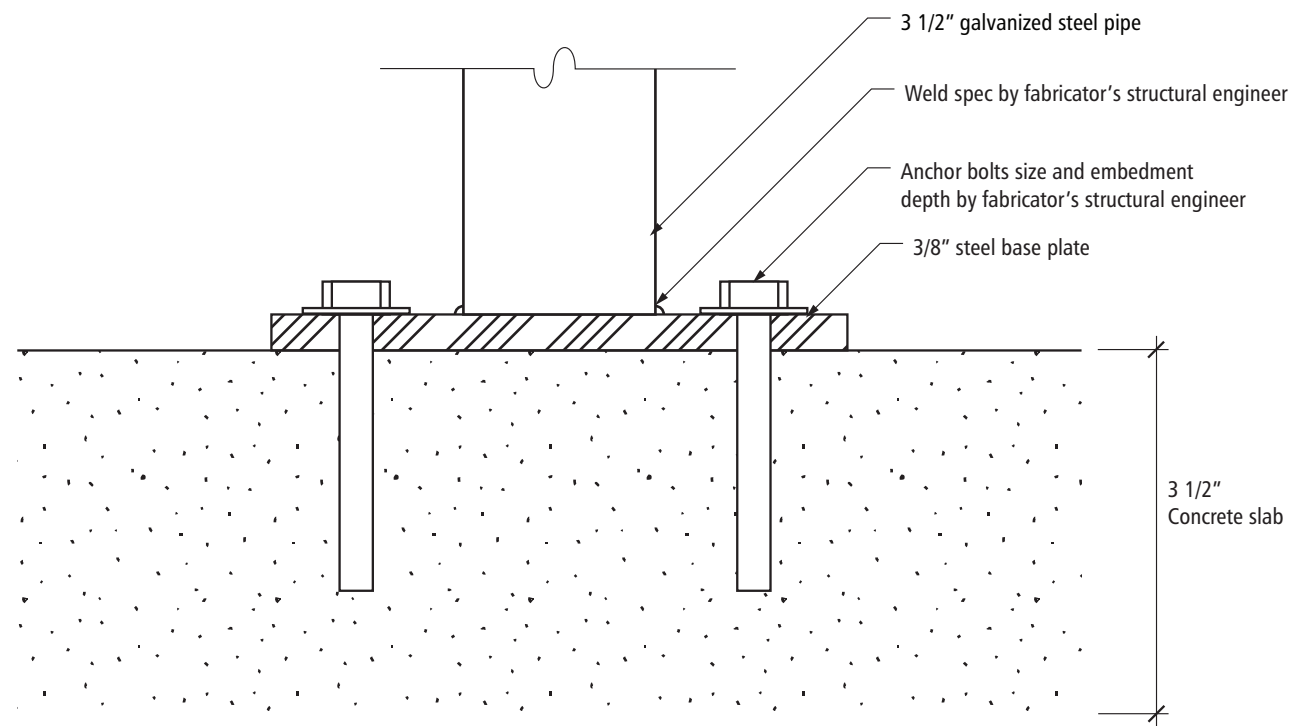
**1** Pier Footing Detail  
Scale: 3" = 1'-0"

## Signing Standards Manual

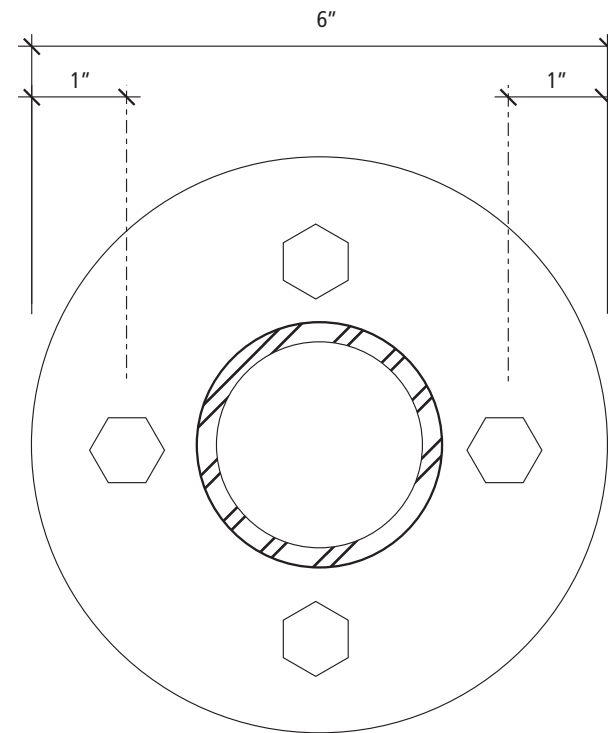
Volume 2  
July 1, 2008

### Section 9: Installation

Sign Type F.1  
Sign Type F.2



**1** Bolt-Down Footings Section  
Scale: 1/2" = 1'-0"



**2** Baseplate Plan  
Scale: 1/2" = 1'-0"



**Signing Standards  
Manual**

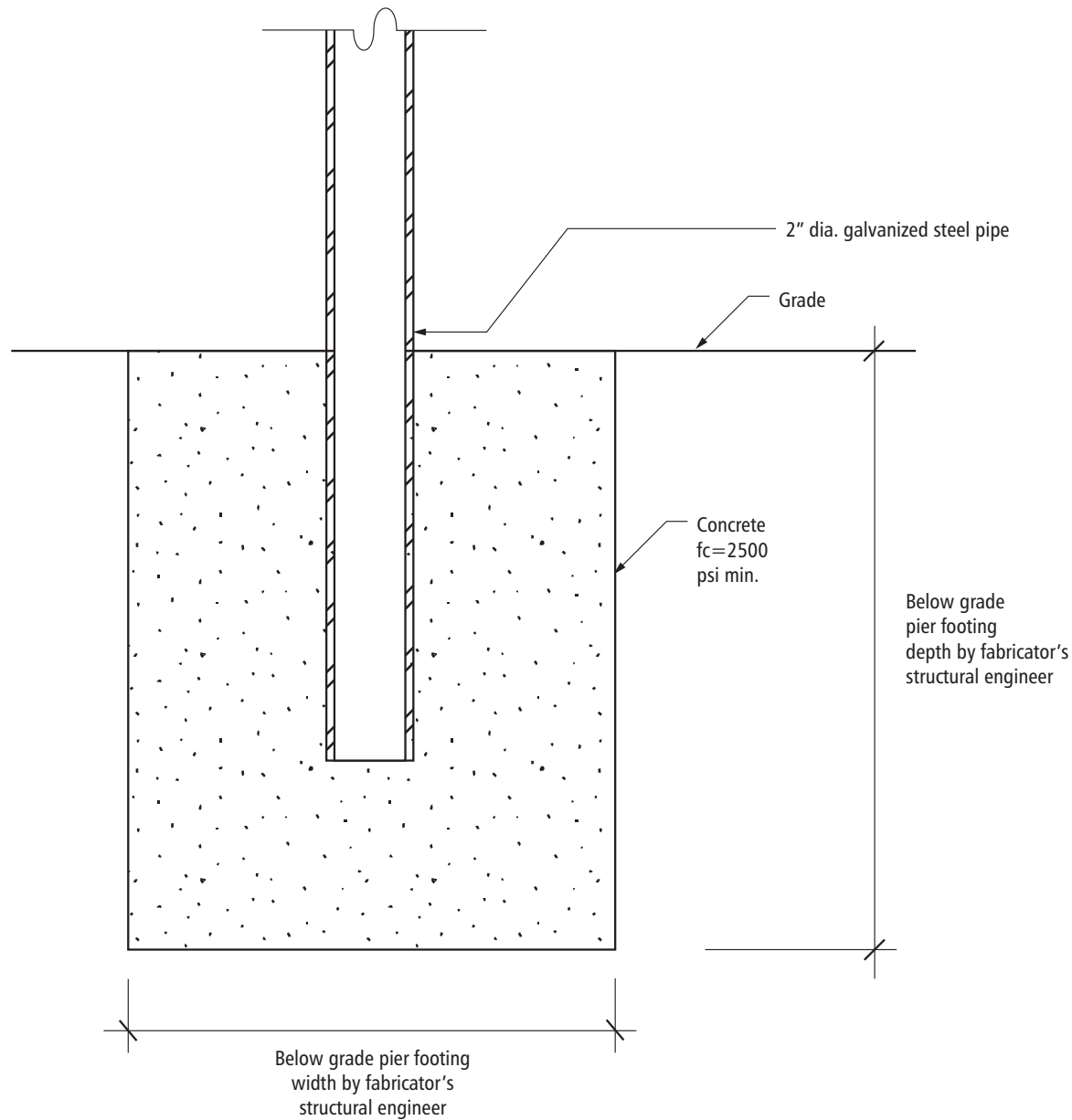
Volume 2  
July 1, 2008

**Section 9:**  
Installation

Sign Type H.1

**Notes:**

1. Verify break-away baseplate requirements per jurisdictional locations.



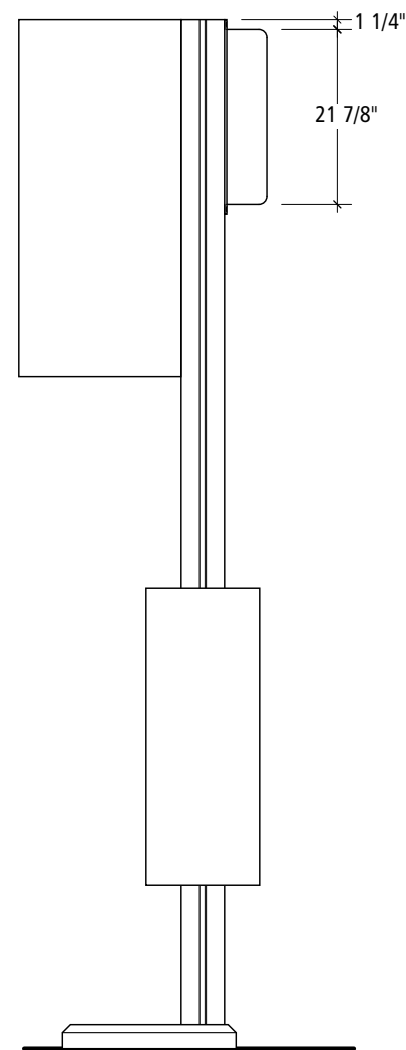
**1** Pier Footing Detail  
Scale: 3" = 1'-0"

## Signing Standards Manual

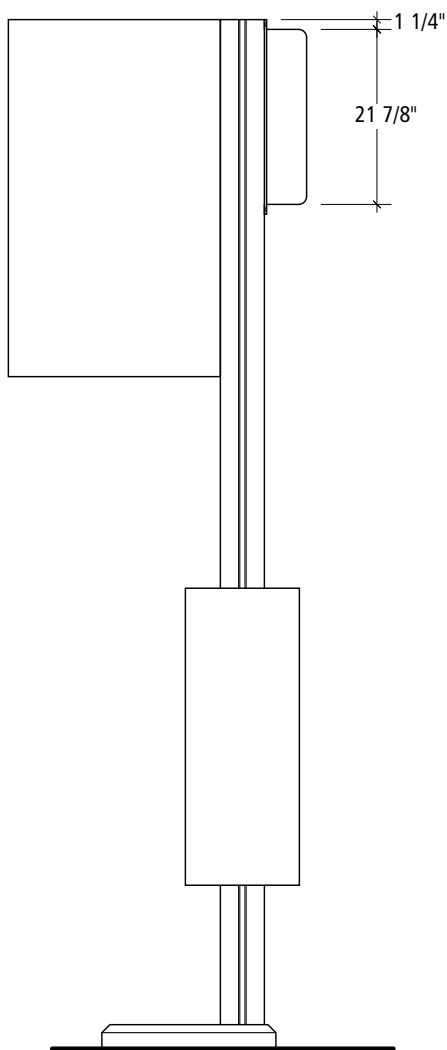
Volume 2  
July 1, 2008

### Section 9: Installation

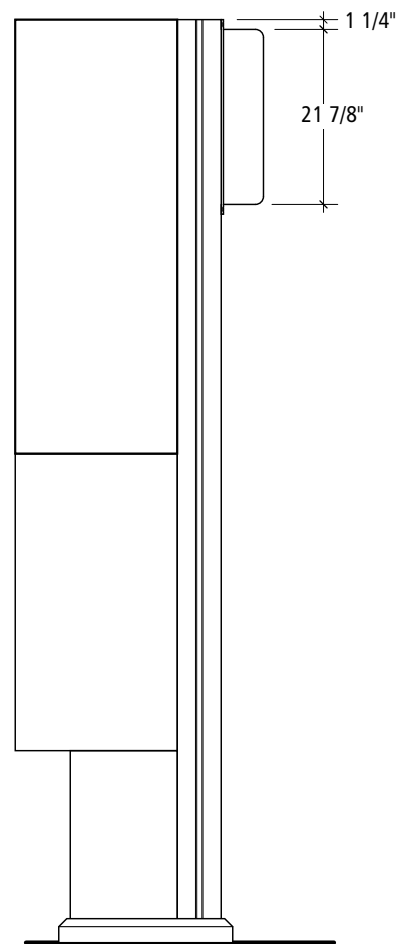
Sign Type J.1B/C  
Sign Type J.3B/C



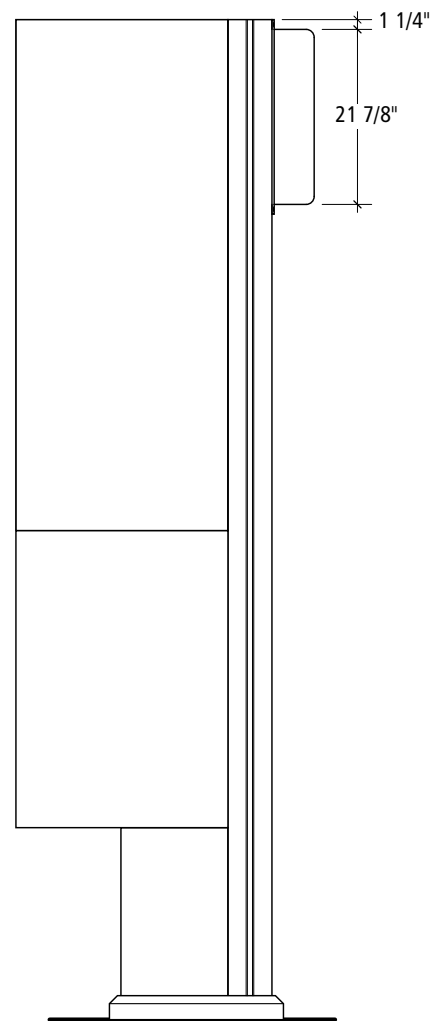
**1** Elevation at Sign Type B.1  
Scale: 1/2"=1'-0"



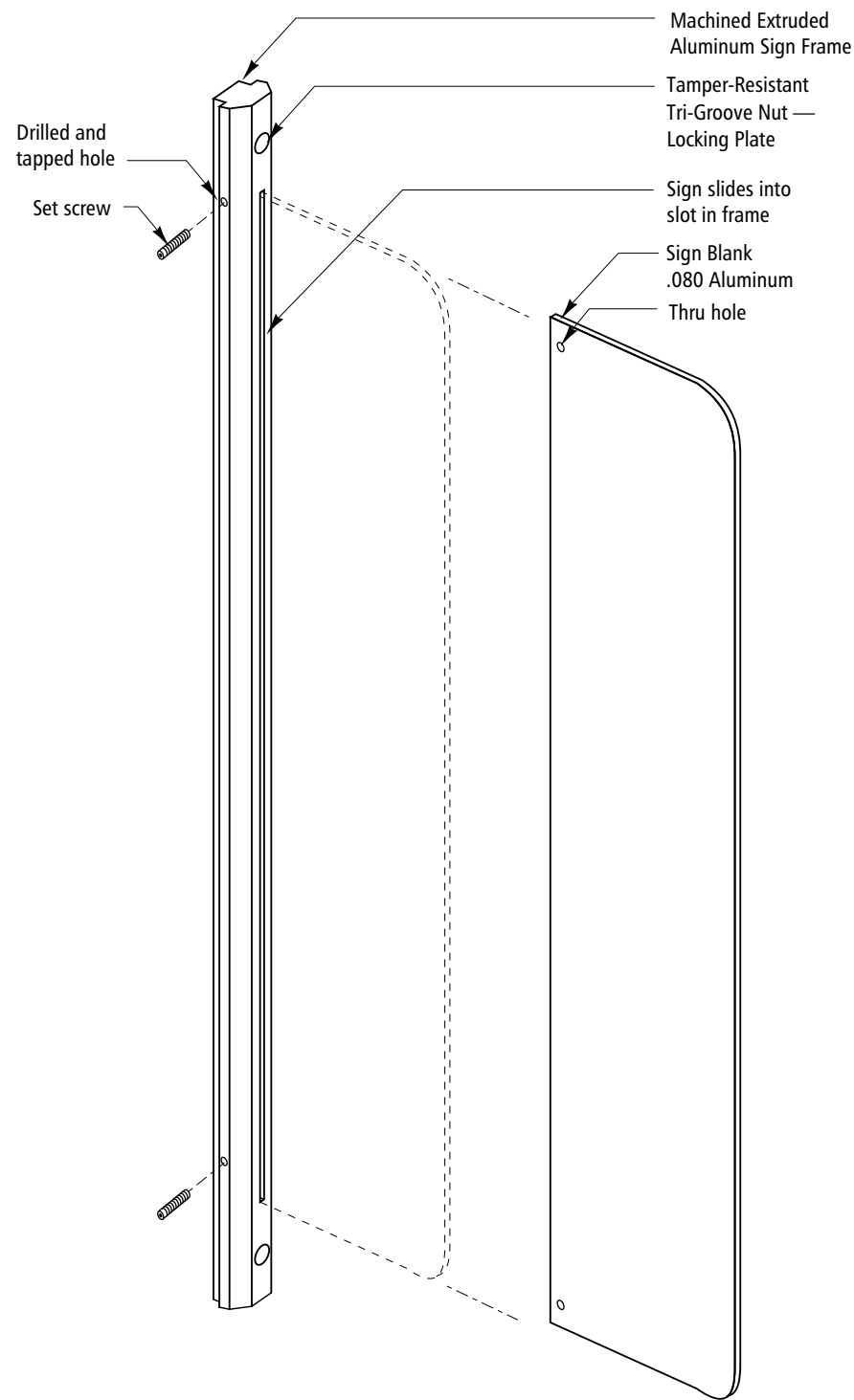
**2** Elevation at Sign Type B.2  
Scale: 1/2"=1'-0"



**3** Elevation at Sign Type C.1  
Scale: 1/2"=1'-0"



**4** Elevation at Sign Type C.2  
Scale: 1/2"=1'-0"



**5** Isometric  
Scale: NTS

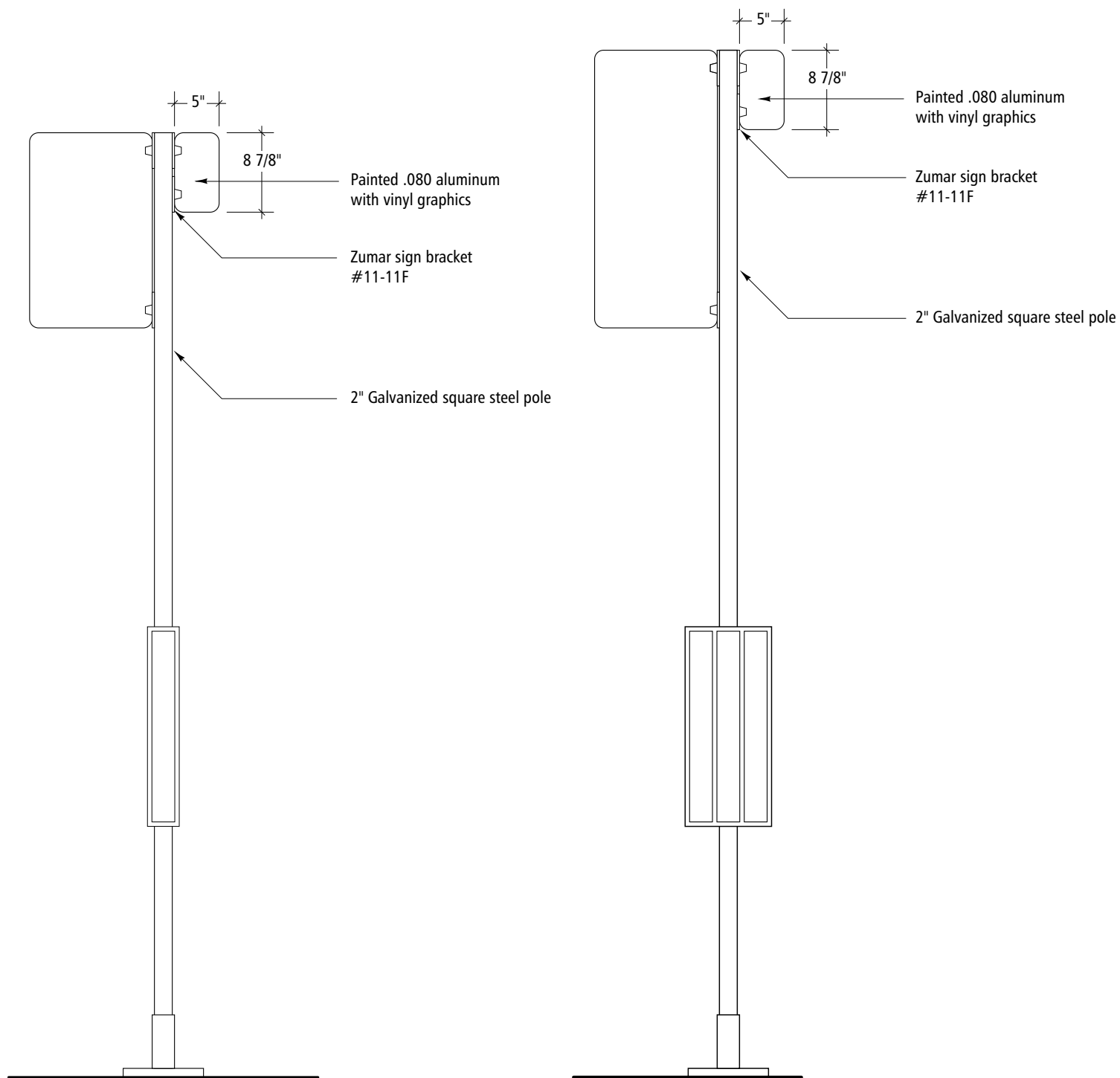
Designers:  
Mayer/Reed, Jon Bentz Design, Scott AG

## Signing Standards Manual

Volume 2  
July 1, 2008

### Section 9: Installation

Sign Type J.2A  
Sign Type J.4A



**1** Elevation at Sign Type A.1  
Scale: 1" = 1'-0"

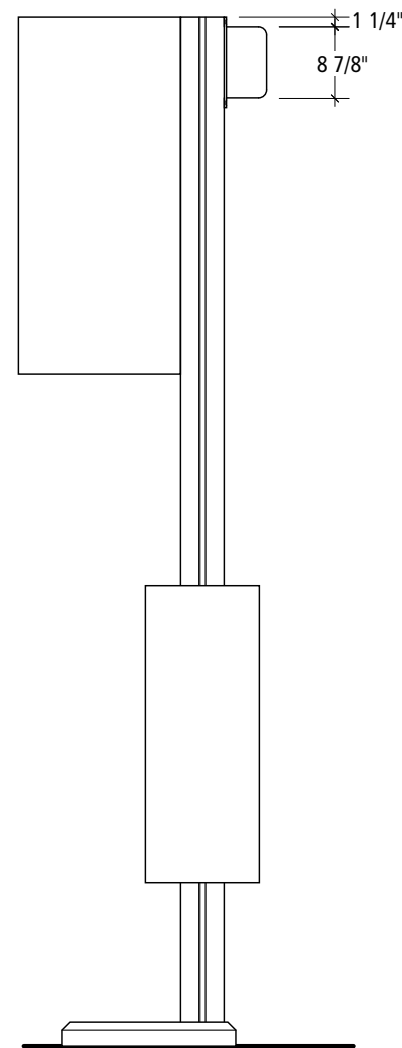
**2** Elevation at Sign Type A.2  
Scale: 3/4" = 1'-0"

## Signing Standards Manual

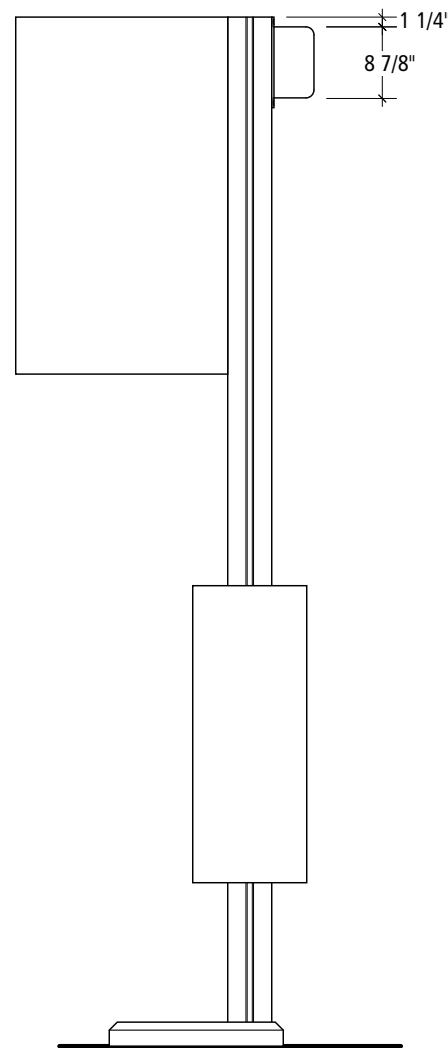
Volume 2  
July 1, 2008

### Section 9: Installation

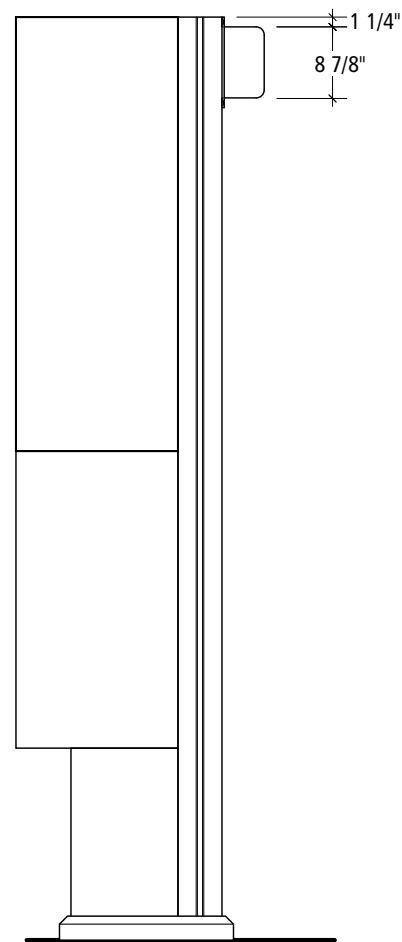
Sign Type J.2B/C  
Sign Type J.4B/C



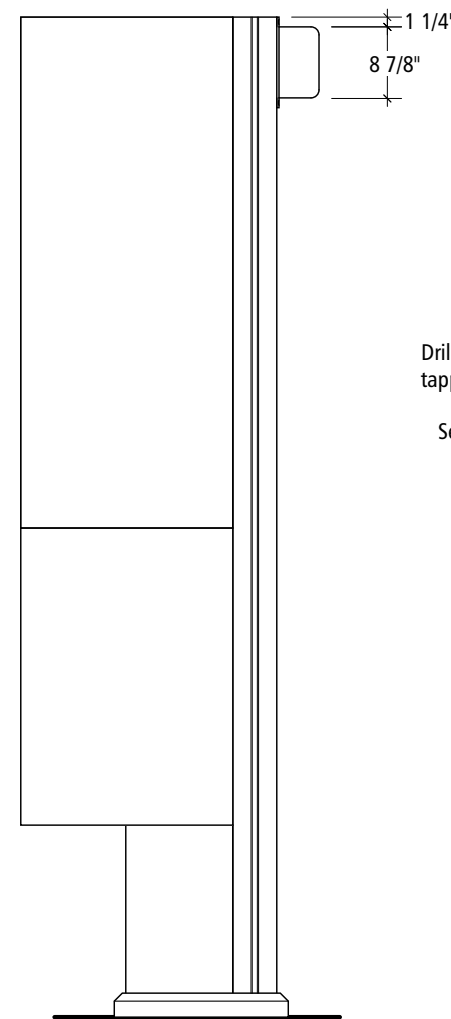
**1** Elevation at Sign Type B.1  
Scale: 3/4" = 1'-0"



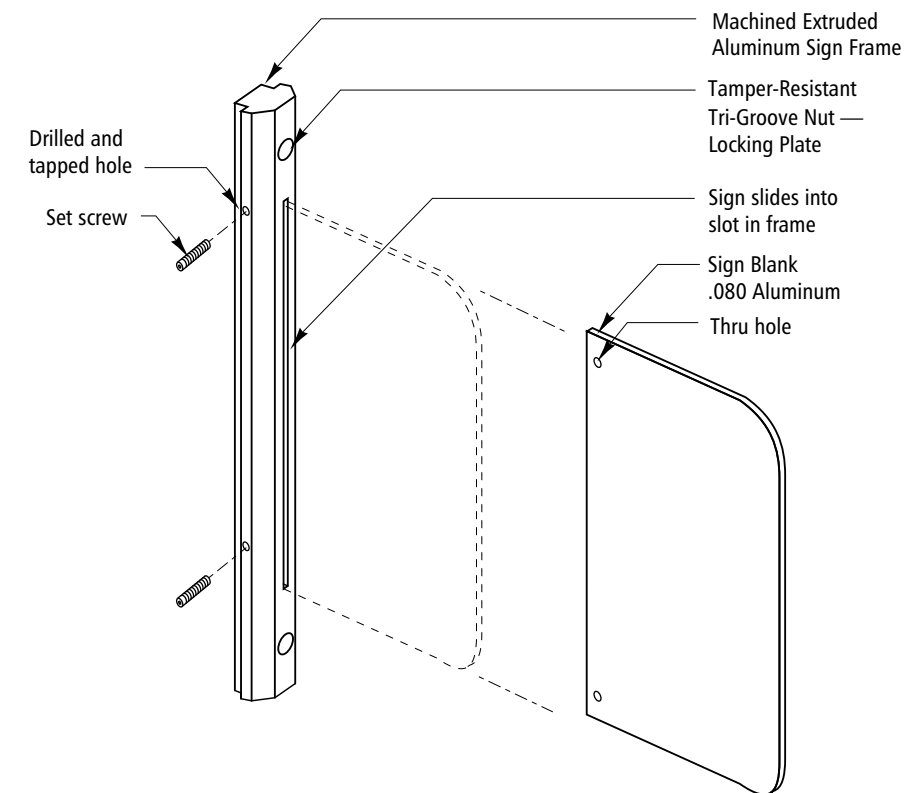
**2** Elevation at Sign Type B.2  
Scale: 3/4" = 1'-0"



**3** Elevation at Sign Type C.1  
Scale: 3/4" = 1'-0"



**4** Elevation at Sign Type C.2  
Scale: 3/4" = 1'-0"



**5** Isometric  
Scale: NTS

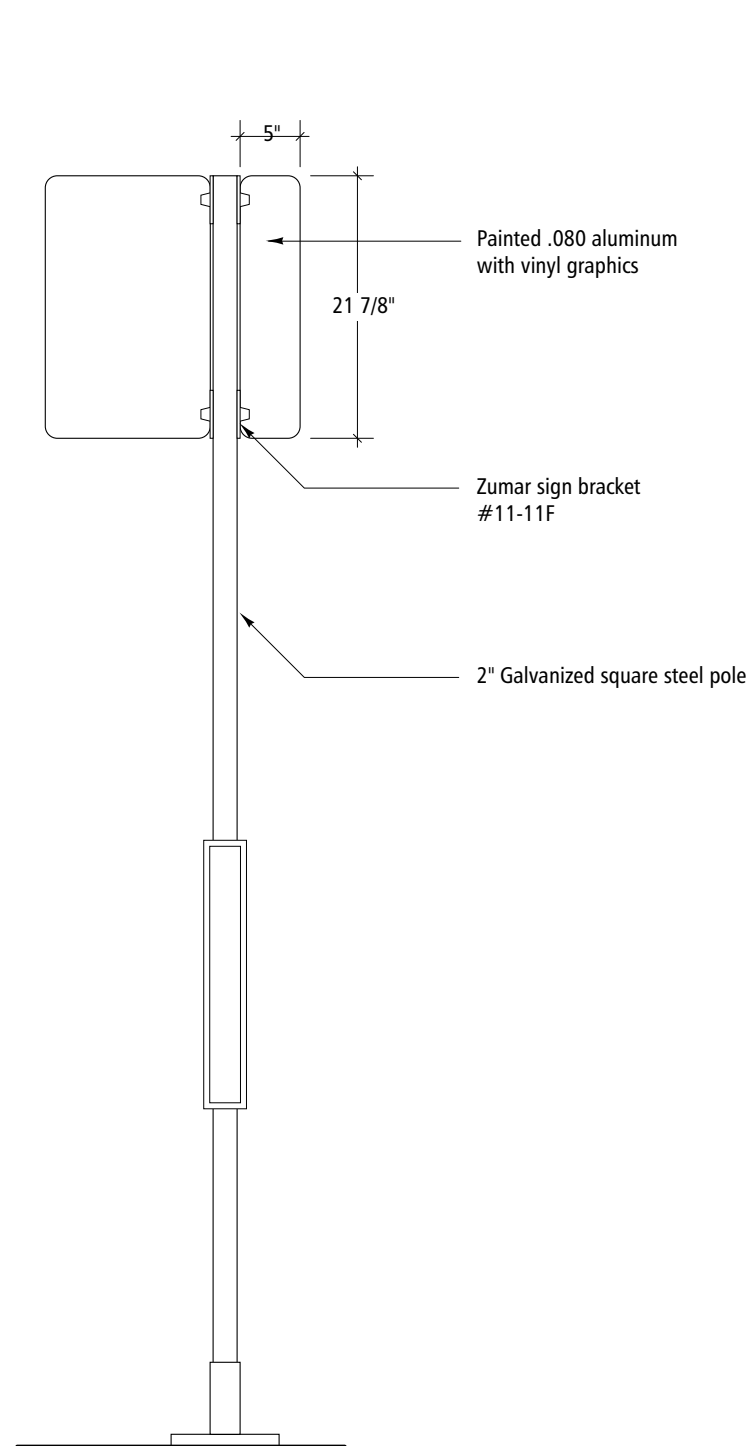


**Signing Standards  
Manual**

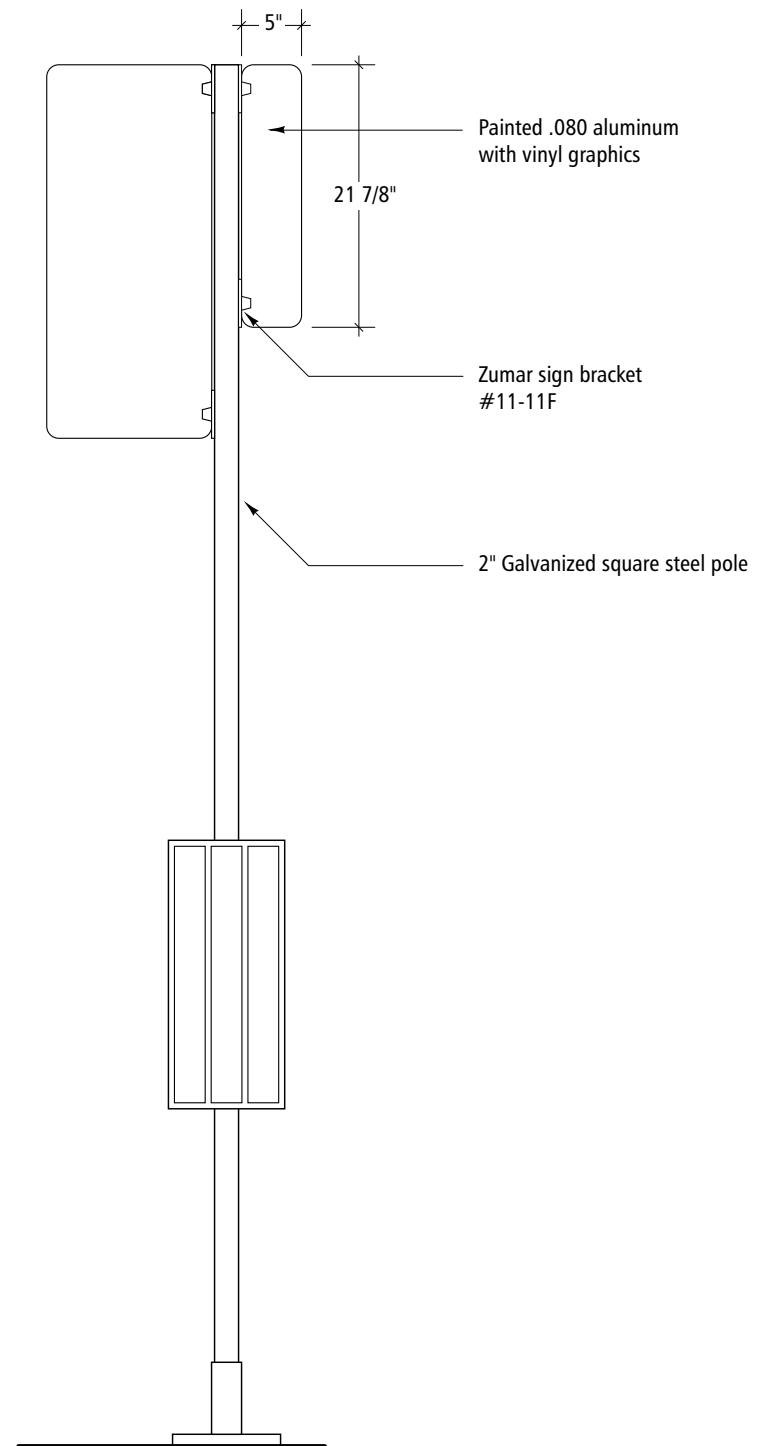
Volume 2  
July 1, 2008

**Section 9:**  
Installation

Sign Type J.3A



**1** Elevation at Sign Type A.1  
Scale: 3/4" = 1'-0"



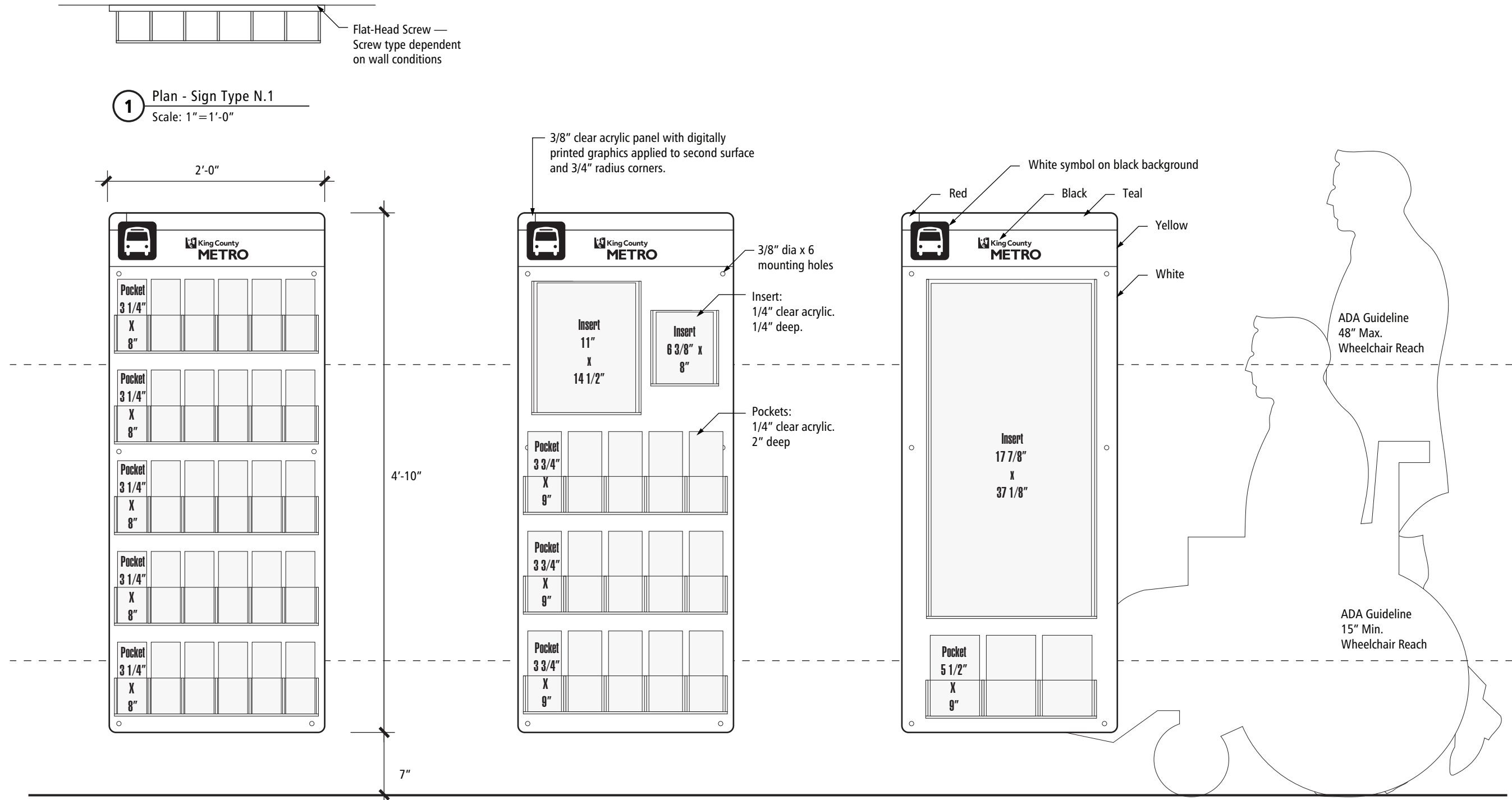
**2** Elevation Sign Type A.2  
Scale: 3/4" = 1'-0"

## Signing Standards Manual

Volume 2  
July 1, 2008

### Section 9: Installation

Sign Type N.1  
Sign Type N.2  
Sign Type N.3



Sign Type N.1  
Literature holder  
wall mounted

Displays:  
3" x 7" pieces, quantity: 36

Sign Type N.2  
Literature holder  
wall mounted

Displays:  
3 3/4" x 9" pieces, quantity: 15  
11" x 14 1/2" poster, quantity: 1  
6 3/8" x 8" poster, quantity: 1

Sign Type N.3  
Literature holder  
wall mounted

Displays:  
5 1/2" x 9" pieces, quantity: 3  
17 7/8" x 37 1/8" poster, quantity: 1

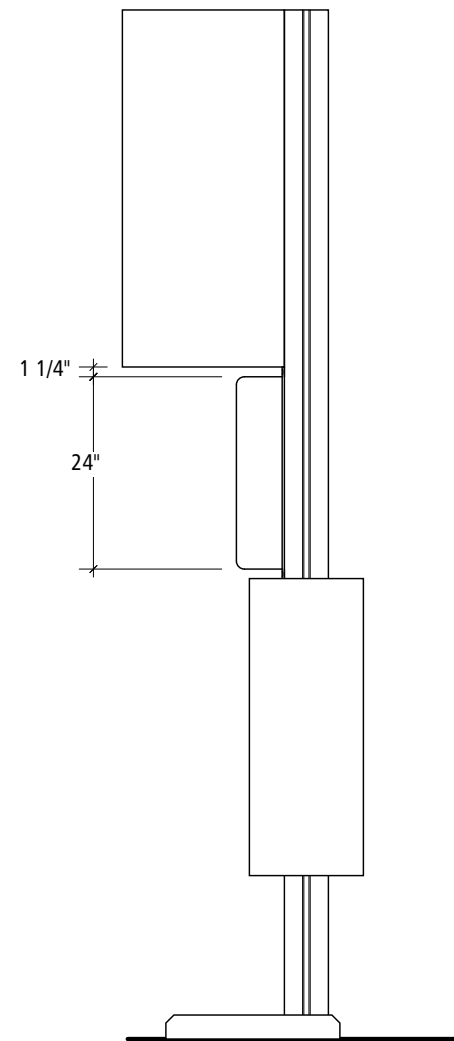
Designers:  
Mayer/Reed, Jon Bentz Design, Scott AG

## Signing Standards Manual

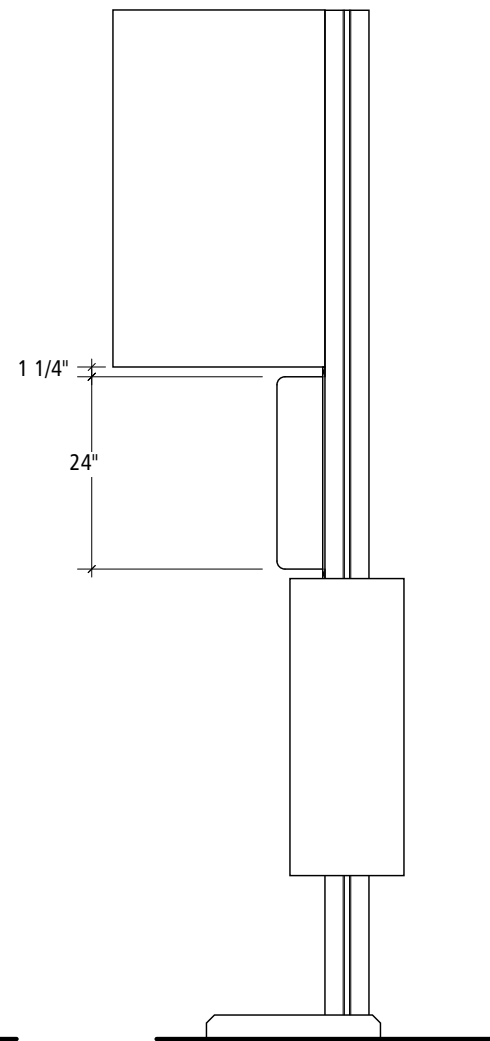
Volume 2  
July 1, 2008

### Section 9: Installation

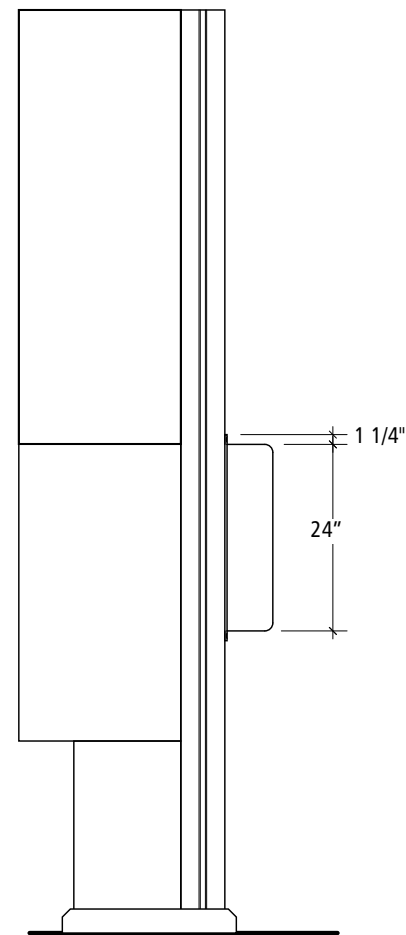
Rider Alert  
Temporary Sign



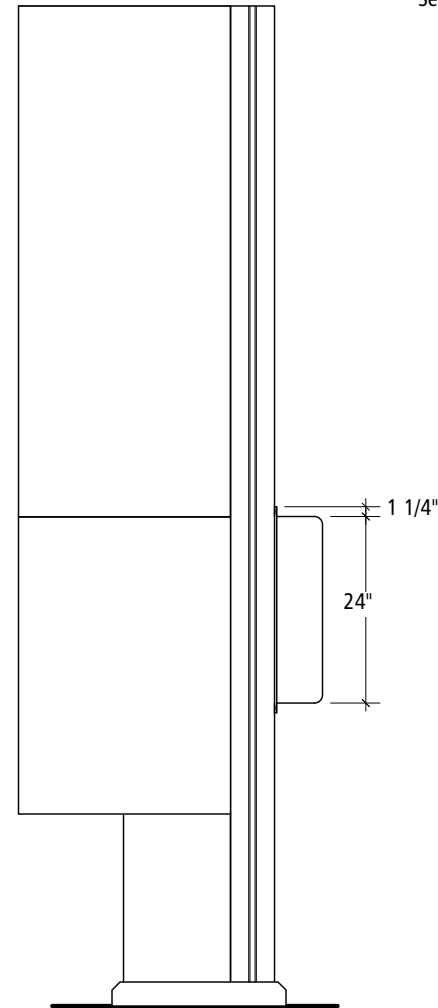
**1** Elevation at Sign Type B.1  
Scale: 1/2" = 1'-0"



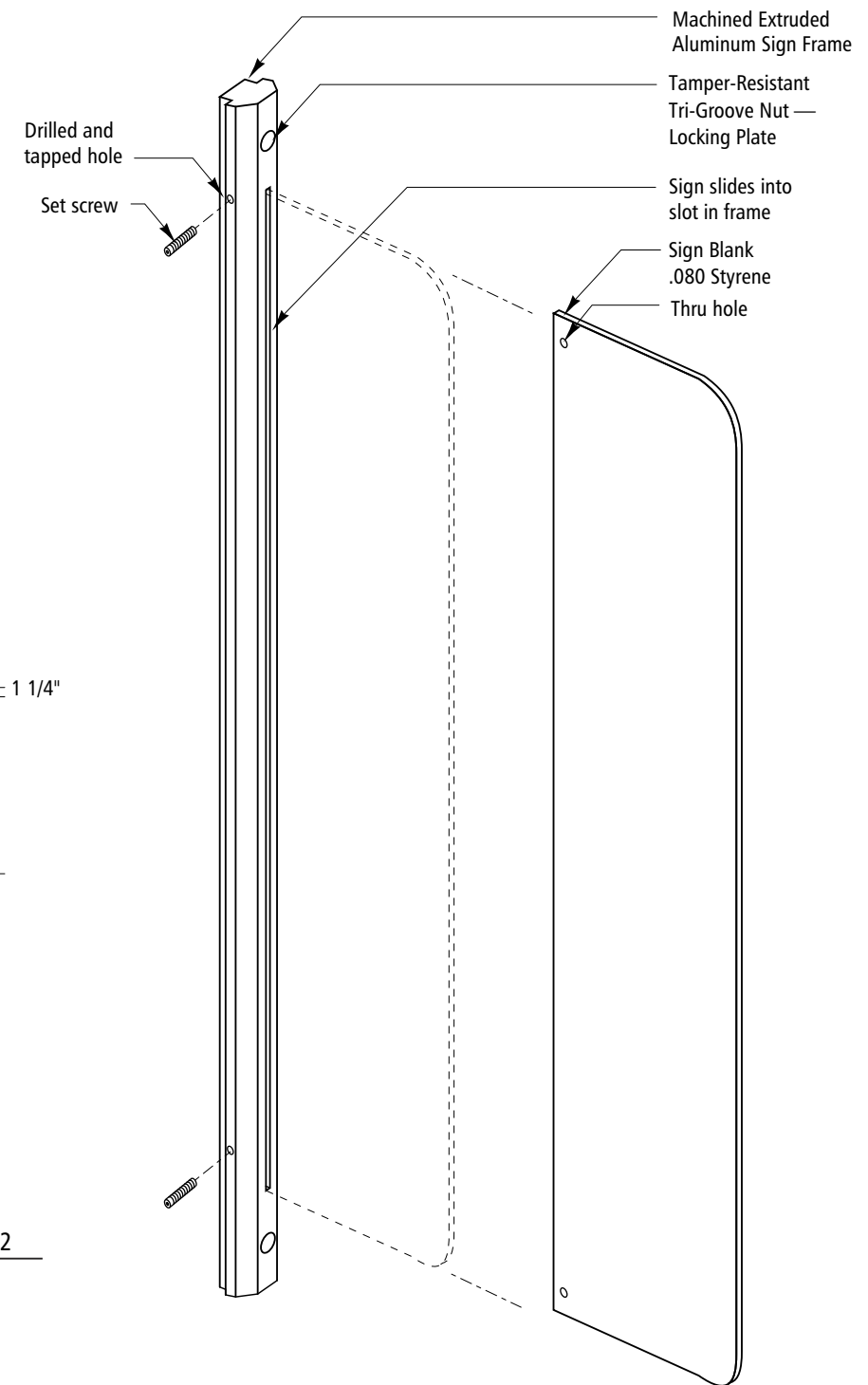
**2** Elevation at Sign Type B.2  
Scale: 1/2" = 1'-0"



**3** Elevation at Sign Type C.1  
Scale: 1/2" = 1'-0"



**4** Elevation at Sign Type C.2  
Scale: 1/2" = 1'-0"



**5** Isometric  
Scale: NTS

Designers:  
Mayer/Reed, Jon Bentz Design, Scott AG