

**CITY OF MAMMOTH LAKES, CALIFORNIA
WAYFINDING AND SIGNAGE SYSTEM
DESIGN INTENT DRAWINGS**

PHASE 1 BID DOCUMENTATION PACKAGE

30 January 2013

City of Mammoth Lakes, CA

merJe

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ENVIRONMENTS & EXPERIENCES

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SECTION 1 | Signage Drawings

A. Graphic Standards

Clearview Highway

ABCDEFGHIJKLMNOPQRSTUVWXYZ

abcdefghijklmnopqrstuvwxyz

1234567890 ‘’!@#\$\$%^

Amongst the several mechanical Arts that have engaged my attention, there is no one which I have pursued with so much steadiness and pleasure, as that of Letter Founding.

Downtown

acceptable

Downtown

NOT acceptable

D o w n t o w n

NOT acceptable

123A

acceptable

123A

NOT acceptable

1 2 3 A

NOT acceptable

Houschka Alt Black

ABCDEFGHIJKLMNOPQRSTUVWXYZ

abcdefghijklmnopqrstuvwxyz

1 2 3 4 5 6 7 8 9 0 ‘’!@#\$\$%^

Downtown

acceptable

Downtown

NOT acceptable

D o w n t o w n

NOT acceptable

1 2 3 A

acceptable

1 2 3 A

NOT acceptable

1 2 3 A

NOT acceptable

Sometimes the Foot mark is mistaken for an apostrophe and an inch mark is mistaken for quotations. Below are examples of correct and incorrect apostrophe's for each typeface.

Clearview Highway

 This apostrophe is CORRECT.

PARK'S

 This apostrophe is INCORRECT.

PARK'S

DATE

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CLIENT / PROJECT

**City of
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PROJECT NO.

DRAWN BY AP

SHEET TITLE

**Typography
Specifications**

SECTION: **A**

SHEET NO. **1**

Houschka Alt Light
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1 2 3 4 5 6 7 8 9 0 ‘!@#\$\$%

Amongst the several mechanical Arts that have engaged my attention, there is no one which I have pursued with so much steadiness and pleasure, as that of Letter Founding.

Downtown acceptable	Downtown NOT acceptable	Downtown NOT acceptable
1 2 3 A acceptable	1 2 3 A NOT acceptable	1 2 3 A NOT acceptable

Houschka Alt Medium
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1 2 3 4 5 6 7 8 9 0 ‘!@#\$\$%

Amongst the several mechanical Arts that have engaged my attention, there is no one which I have pursued with so much steadiness and pleasure, as that of Letter Founding.

Downtown acceptable	Downtown NOT acceptable	Downtown NOT acceptable
1 2 3 A acceptable	1 2 3 A NOT acceptable	1 2 3 A NOT acceptable

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SHEET TITLE
Typography
Specifications

SECTION: **A**

SHEET NO. **2**

LETTERSPACING

Inconsistencies in Letter Spacing

Clearview 2W

Arboretu

Corrected Letter Spacing

Clearview 2W

Arboret

IMPORTANT: Individual spacing of each letter needs to be evaluated. See Examples Above.

Kern all Copy so that **each character is optically centered** between the center of each of the surrounding characters.

SIGN TEXT STANDARDS

COPY HEIGHT

When measuring copy height, measure only the height of the Capital letters to determine your overall copy height (shown in illustration below as "X")
Some of the other letters have an extended height beyond the average height of the letters.

EjklH
X
baseline

LINE SPACING

When measuring line spacing, always measure from the baseline of the topmost text line to the baseline of the text line below (shown as "X")

EjklH
baseline
X
EjklH
baseline

DATE

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SHEET TITLE

Typography
Specifications

SECTION:

A

SHEET NO.

3

LOGO & GRAPHIC IMAGES



USE of Artwork

Fabricator will be provided a vector file for each piece of artwork shown. Do not modify or edit in any way, except to scale proportionately as necessary.

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SHEET TITLE
Project Artwork

SECTION: A

SHEET NO. 4

ARROWS



Left Arrow



Up-Left Arrow



Straight Arrow



Up-Right Arrow



Right Arrow



Straight-Left Arrow



Up-Straight-Left Arrow



Up-Straight-Right Arrow



Straight-Right Arrow

USE of Arrows

When multiple directions are required on a sign, the following directional hierarchy shall take precedent. See Example below. Reference Message Schedule for individual Messages.

 Straight Arrow

 Left Arrow

 Right Arrow

P PAINTS	NAME	SPECIFICATION	APPLICABLE	PROCESS
P1	 White	Matthews Paint MP 11477	Standard for System (typ.)	Surface applied, exterior sign paint and protective top coat: MATTHEWS Acrylic Polyurethane with Clear Coat Satin finish.
P2	 Mammoth Blue	PMS 7697C	Standard for System (typ.)	Surface applied, exterior sign paint and protective top coat: MATTHEWS Acrylic Polyurethane with Clear Coat Satin finish.
P3	 Mammoth Grey	PMS 424C	Standard for System (typ.)	Surface applied, exterior sign paint and protective top coat: MATTHEWS Acrylic Polyurethane with Clear Coat Satin finish.
P4	 Mammoth Dark Blue	PMS 540C	Standard for System (typ.)	Surface applied, exterior sign paint and protective top coat: MATTHEWS Acrylic Polyurethane with Clear Coat Satin finish.
P5	 Corten Brown	PMS 478C	Standard for System (typ.)	Surface applied, exterior sign paint and protective top coat: MATTHEWS Acrylic Polyurethane with Clear Coat Satin finish.
P6	 Light Gold	MAP 06916	Standard for System (typ.)	Surface applied, exterior sign paint and protective top coat: MATTHEWS Acrylic Polyurethane with Clear Coat Satin finish.
P7	 Sunflower	PMS 130C	Standard for System (typ.)	Surface applied, exterior sign paint and protective top coat: MATTHEWS Acrylic Polyurethane with Clear Coat Satin finish.
P8	 Beige	Cardinal® T032-BG03 Beige Texture Semi-Gloss	Standard for System (typ.)	Cardinal® T032 - BG03 Polyestertergic Powder Coat paint with 5-stage pre-treatment on aluminum

M MATERIALS	NAME	SPECIFICATION	APPLICABLE	PROCESS
M1	 Oxidized steel	Mill-finished steel	Standard for System (typ.)	Natural oxidation of mill-finish steel beams and plates
M2	 Natural Cedar	Re-sawn cedar	Standard for System (typ.)	Re-sawn cedar planking with PPG Coffee 711 sun-proof stain
M3	 Aluminum	Clear anodizing over natural aluminum finish	Standard for System (typ.)	
M4	 Bridger Granite Veneer facing		Standard for System (typ.)	"Bridger Granite Veneer", 6 to 8 inches thick - 180 #/cf. Rock size 1 (smaller) for top, and Rock size 2 (larger) for bottom.
M5	 Phenolic resin panel	dhpl exterior grade	Standard for System (typ.)	Hi resolution CMYK printed graphics set into phenolic resin exterior grade panels

R REFLECTIVE VINYL	NAME	SPECIFICATION	APPLICABLE	PROCESS
R1	 White	3M High Intensity Prismatic Reflective Sheeting 3930 Color: White	Standard for System (typ.)	Knockout White: Background and Characters 3M custom inks direct to 3930 with 3M approved Clear UV/Graffiti overlamine. *Applied according to Manufacturers Spec to aluminum sheet.
R2	 Mammoth Grey	3M High Intensity Prismatic Reflective Sheeting 3930 Color Match: PMS 425C	Standard for System (typ.)	Custom Color: Background and Characters 3M custom inks direct to 3930 with 3M approved Clear UV/Graffiti overlamine. *Applied according to Manufacturers Spec to aluminum sheet.
R3	 Brown	3M High Intensity Prismatic Reflective Sheeting 3930 Color Match: 3939 Brown	Standard for System (typ.)	3M Standard color 3939 High Intensity Prismatic sheeting with 1170 Clear Overlamine. *Applied according to Manufacturers Spec to aluminum sheet.
R4	 Blue	3M High Intensity Prismatic Reflective Sheeting 3930 Color Match: PMS 7697C	Standard for System (typ.)	Custom Color: Background and Characters 3M custom inks direct to 3930 with 3M approved Clear UV/Graffiti overlamine. *Applied according to Manufacturers Spec to aluminum sheet.
R5	 Standard Blue	3M High Intensity Prismatic Reflective Sheeting 3930 Color Match: 3935 Blue	Standard for System (typ.)	3M Standard color 3935 High Intensity Prismatic sheeting with 1170 Clear Overlamine. *Applied according to Manufacturers Spec to aluminum sheet.

The FABRICATOR must submit 3 identical sets of each color specified for approval prior to any painting. Sample swatches are to be produced on the substrate material of the final product.

The colors must look exactly the same every time they are used so that people associate them with the City of Mammoth Lakes. All media, vinyl, paint, and inks must be produced so that the colors match as specified on this page.

*** MUST comply with MUTCD section Table 2A-3 – Minimum maintained retroreflectivity levels. Approved process: Durst RHO 161 TS printer. Sherine Industries: (604) 513-1887.**

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CLIENT / PROJECT

City of
**Mammoth
Lakes**
California

PROJECT NO.

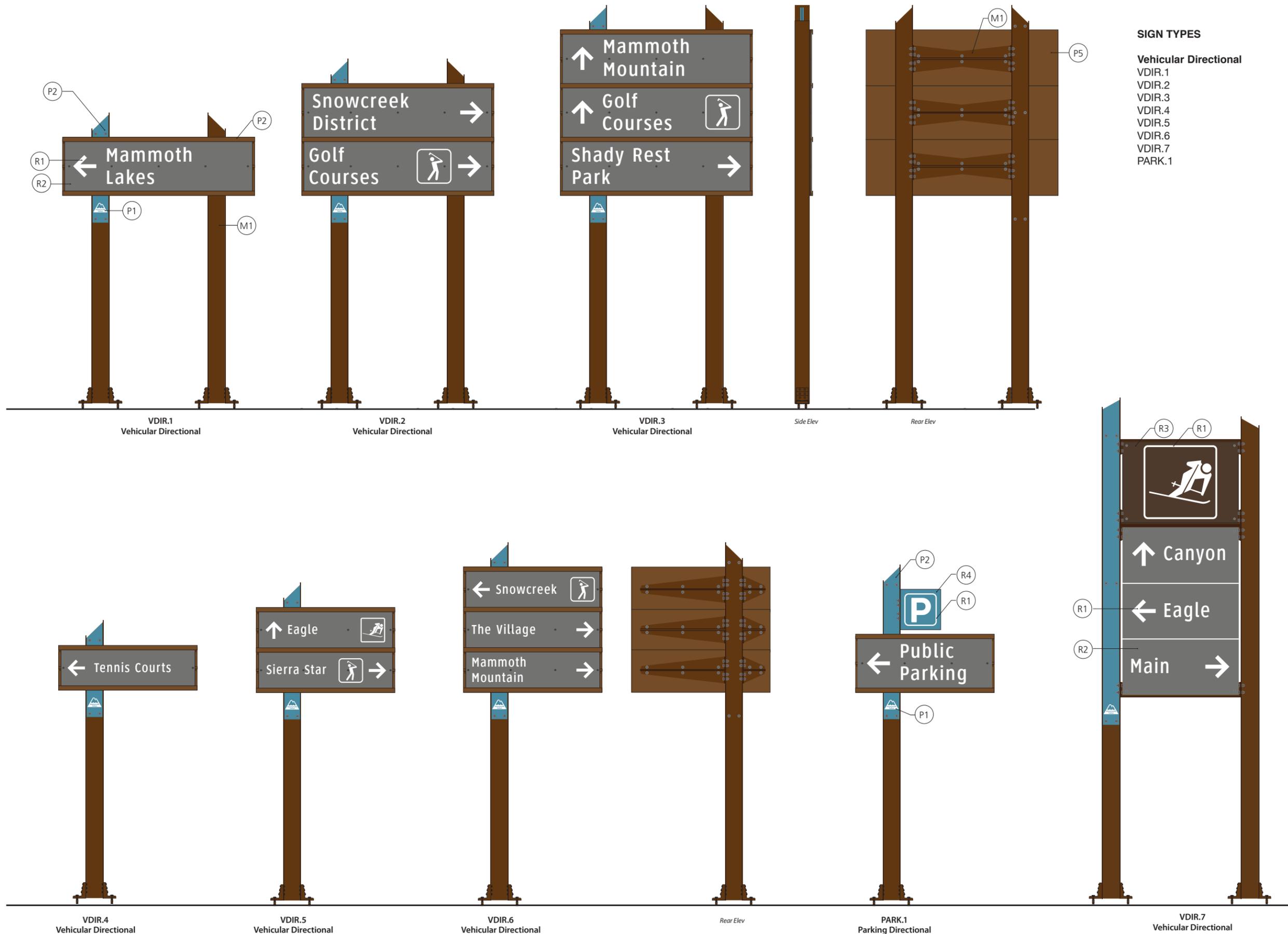
DRAWN BY AP

SHEET TITLE
Color/Material
Schedule

SECTION: **A**

SHEET NO. **5**

B. Menu of Sign Types



SIGN TYPES

- Vehicular Directional**
- VDIR.1
- VDIR.2
- VDIR.3
- VDIR.4
- VDIR.5
- VDIR.6
- VDIR.7
- PARK.1

DATE
30 JAN 2013

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PROJECT NO.

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SHEET TITLE
Vehicular Directional
Sign Types

SECTION: B

SHEET NO.
1

SIGN TYPES

District Identification

DIST.1
DIST.2

Destination Identification

DEST.2

DATE

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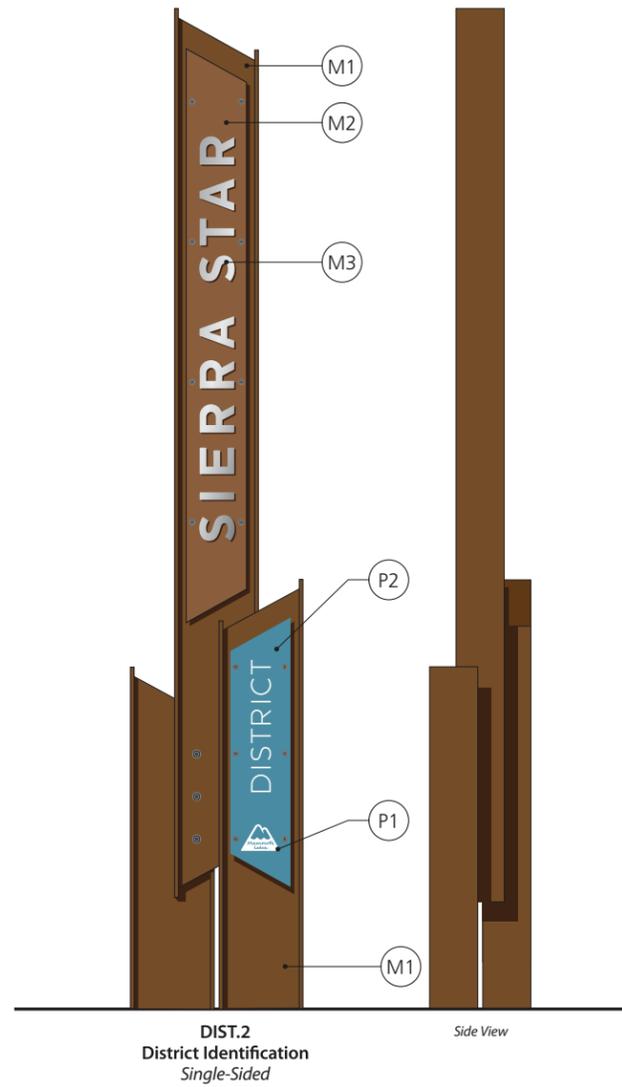
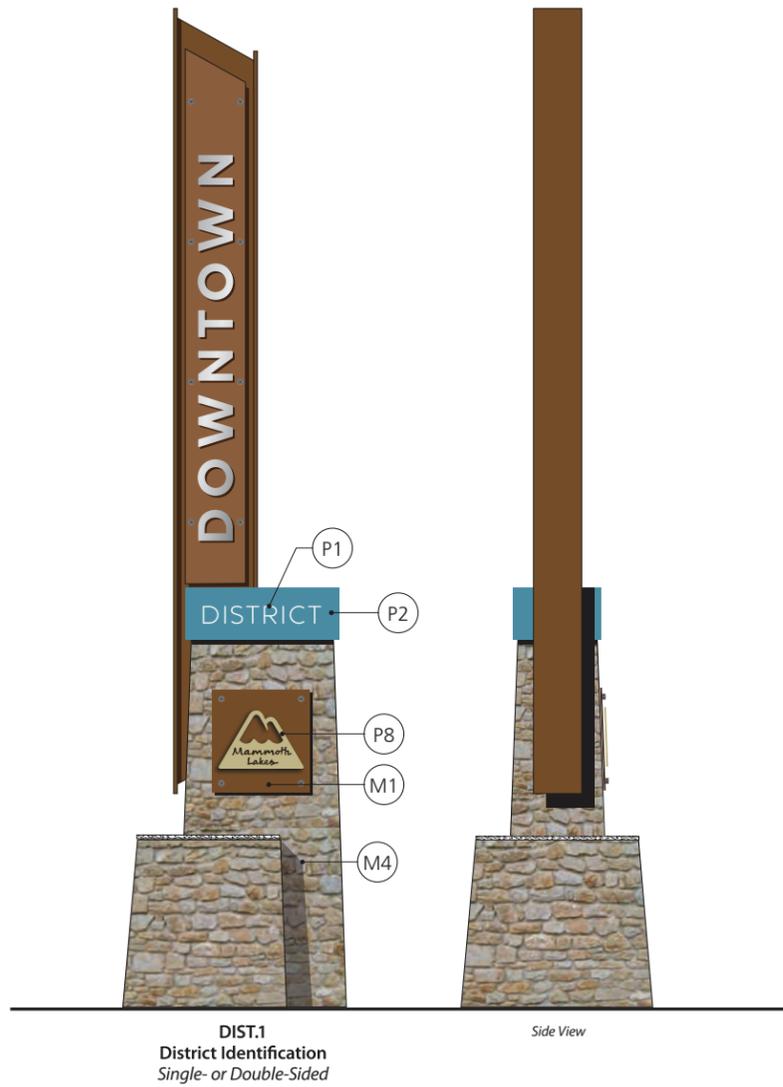
PROJECT NO.

DRAWN BY AP

SHEET TITLE
**District and Destination
Identification**

SECTION: B

SHEET NO. 2





SIGN TYPES

Pedestrian Directional
 PDIR.1
 PDIR.2

Pedestrian Kiosks
 KIOSK.1
 KIOSK.2
 INTERP.1

Banners
 BANNER.1

DATE

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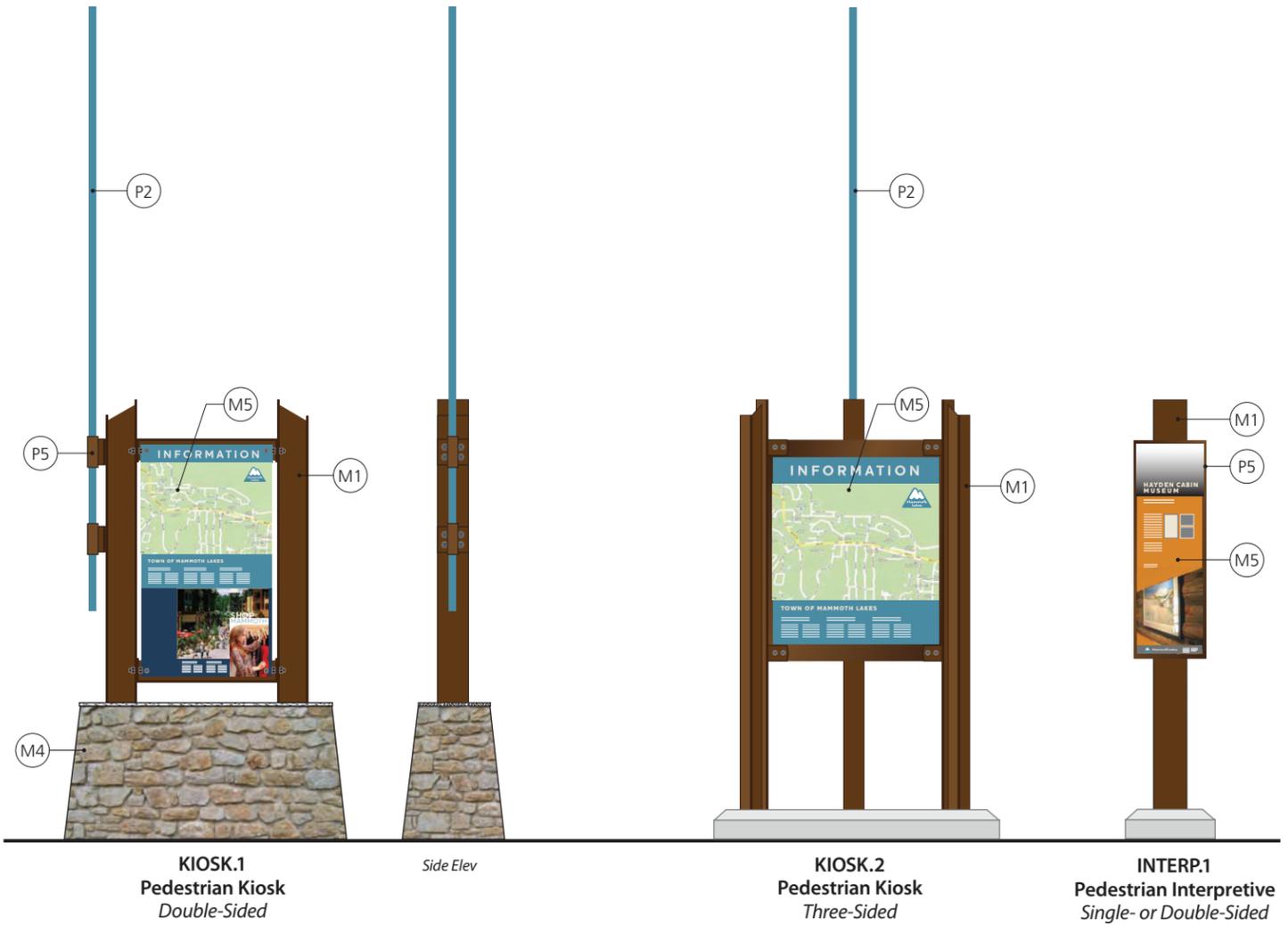
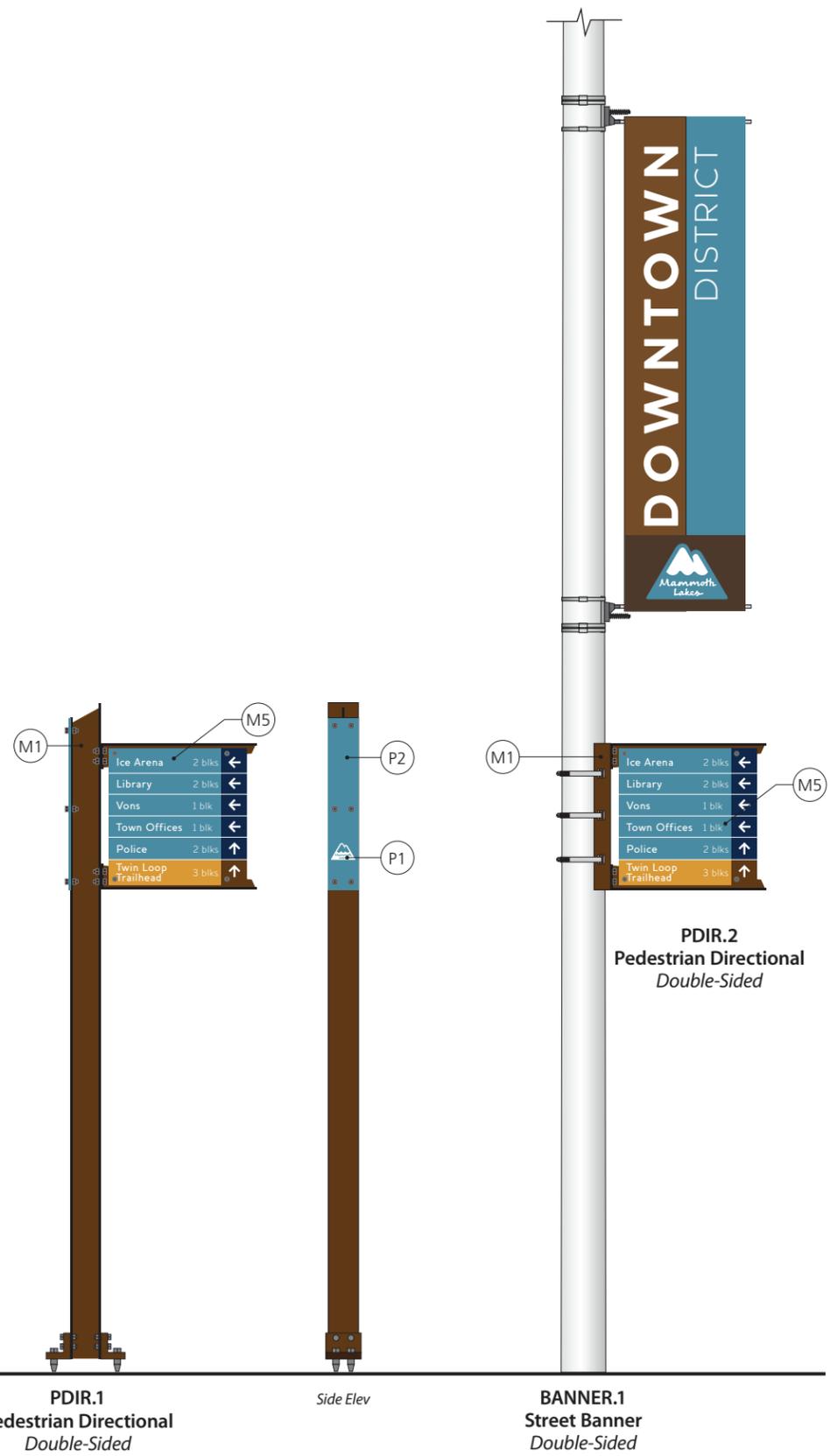
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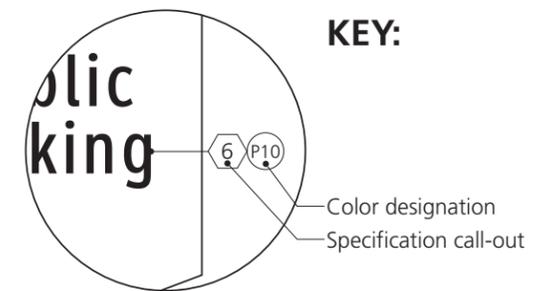
SHEET TITLE
 Pedestrian Sign Types

SECTION: B

SHEET NO. 3

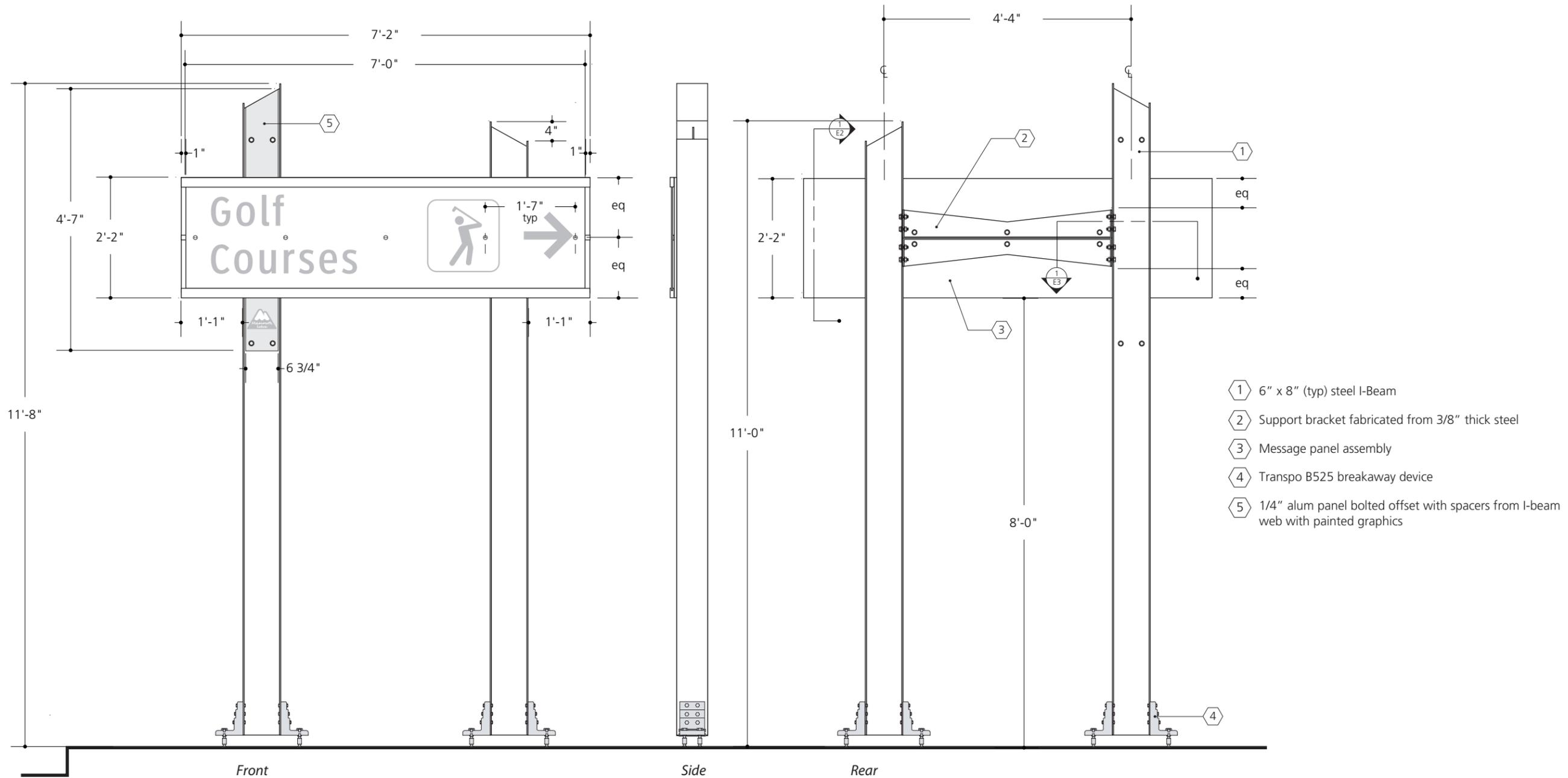
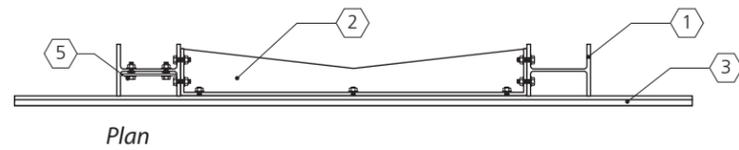


C. Design Intent Drawings



Color schedule is found in the
Graphic Standards section on page A.4

Specification call out descriptions are
on the drawing page



1 Elevations VDIR.1
scale: 1/2"=1'-0"

DATE

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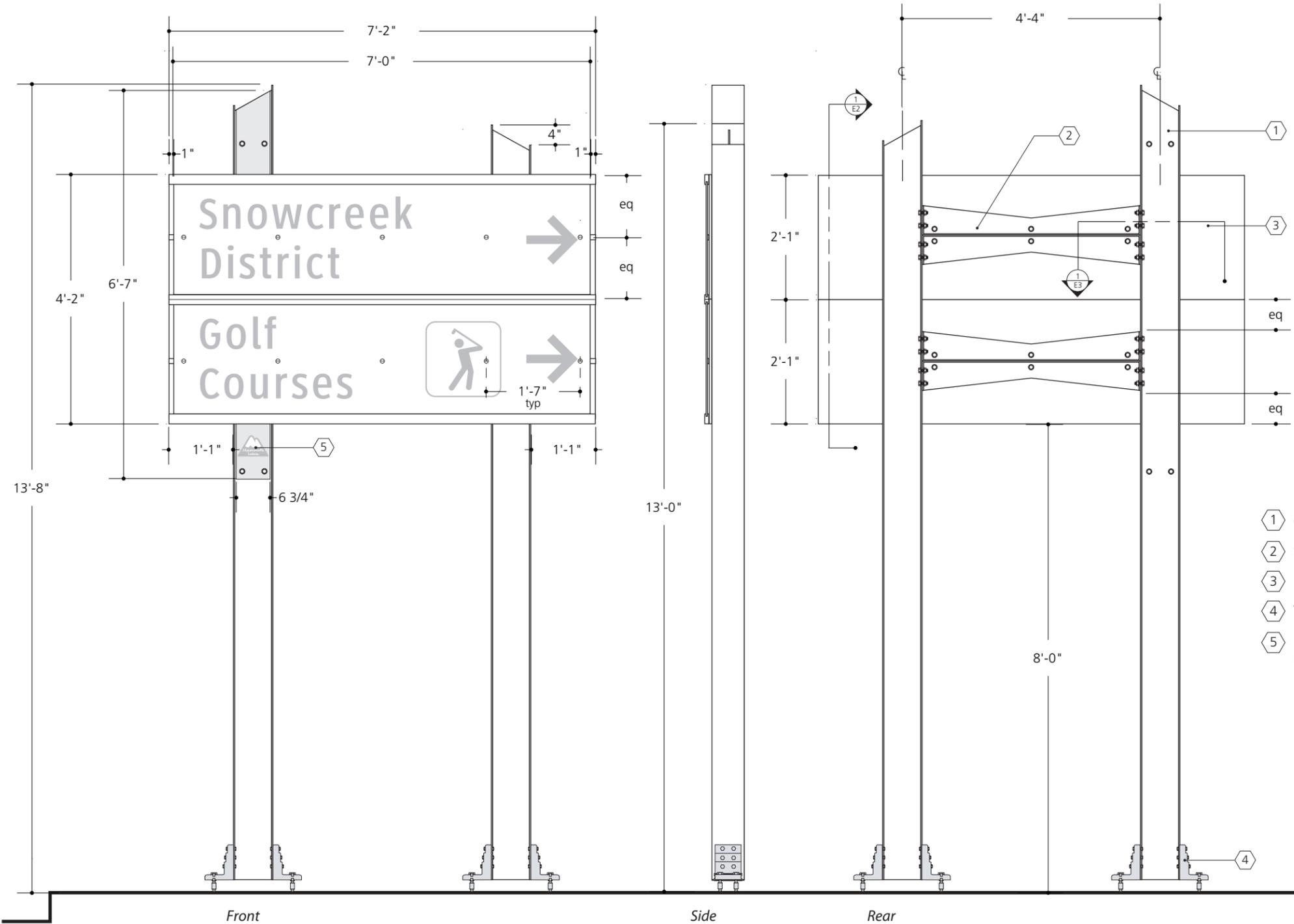
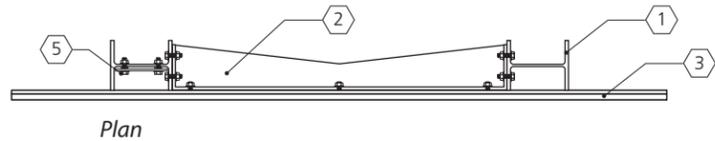
PROJECT NO.

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SHEET TITLE
VDIR.1

SECTION: C

SHEET NO. 1



- ① 6" x 8" (typ) steel I-Beam
- ② Support bracket fabricated from 3/8" thick steel
- ③ Message panel assembly
- ④ Transpo B525 breakaway device
- ⑤ 1/4" alum panel bolted offset with spacers from I-beam web with painted graphics

① Elevations VDIR.2
scale: 1/2"=1'-0"

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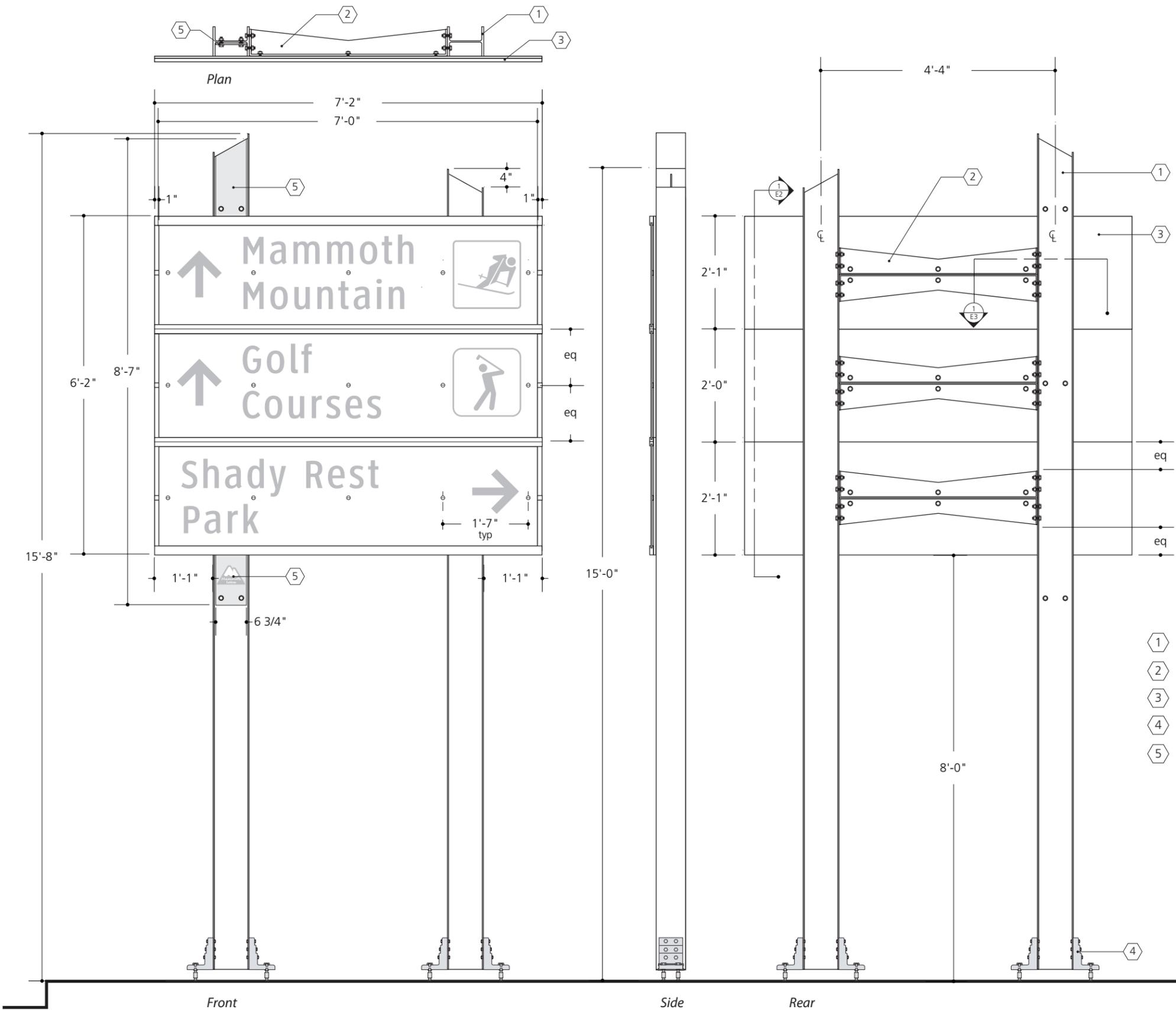
PROJECT NO.

DRAWN BY AP

SHEET TITLE
VDIR.2

SECTION: **C**

SHEET NO. **2**



- ① 6" x 8" (typ) steel I-Beam
- ② Support bracket fabricated from 3/8" thick steel
- ③ Message panel assembly
- ④ Transpo B525 breakaway device
- ⑤ 1/4" alum panel bolted offset with spacers from I-beam web with painted graphics

① Elevations VDIR.3
scale: 1/2"=1'-0"

DATE
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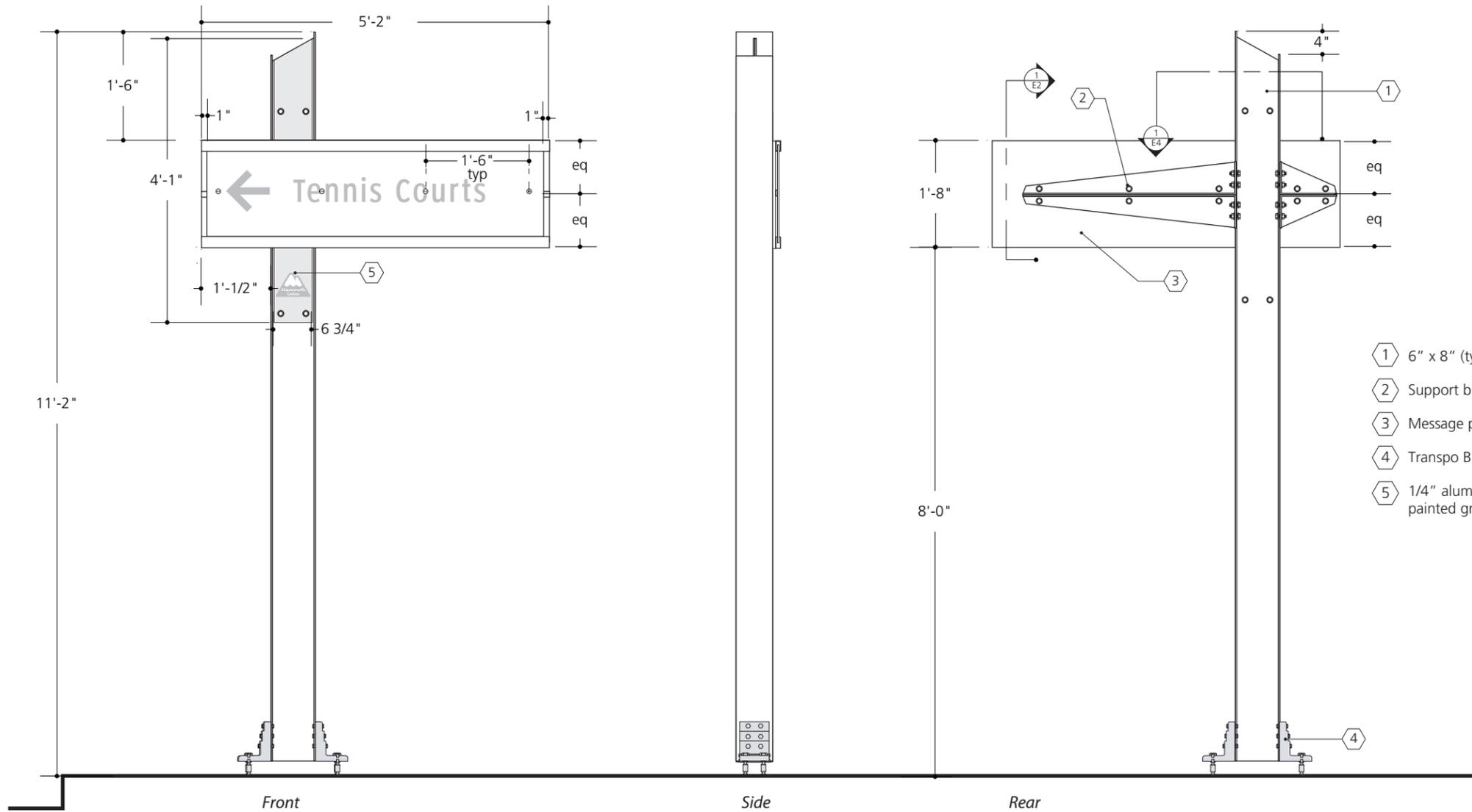
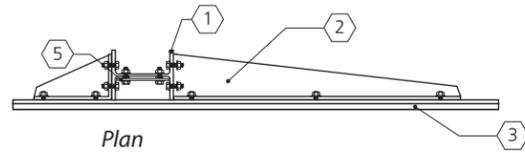
PROJECT NO.

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SHEET TITLE
VDIR.3

SECTION: **C**

SHEET NO.
3



- ① 6" x 8" (typ) steel I-Beam
- ② Support bracket fabricated from 1/4" thick steel
- ③ Message panel assembly
- ④ Transpo B525 breakaway device
- ⑤ 1/4" alum panel bolted offset with spacers from I-beam web with painted graphics

① Elevations VDIR.4
scale: 1/2"=1'-0"

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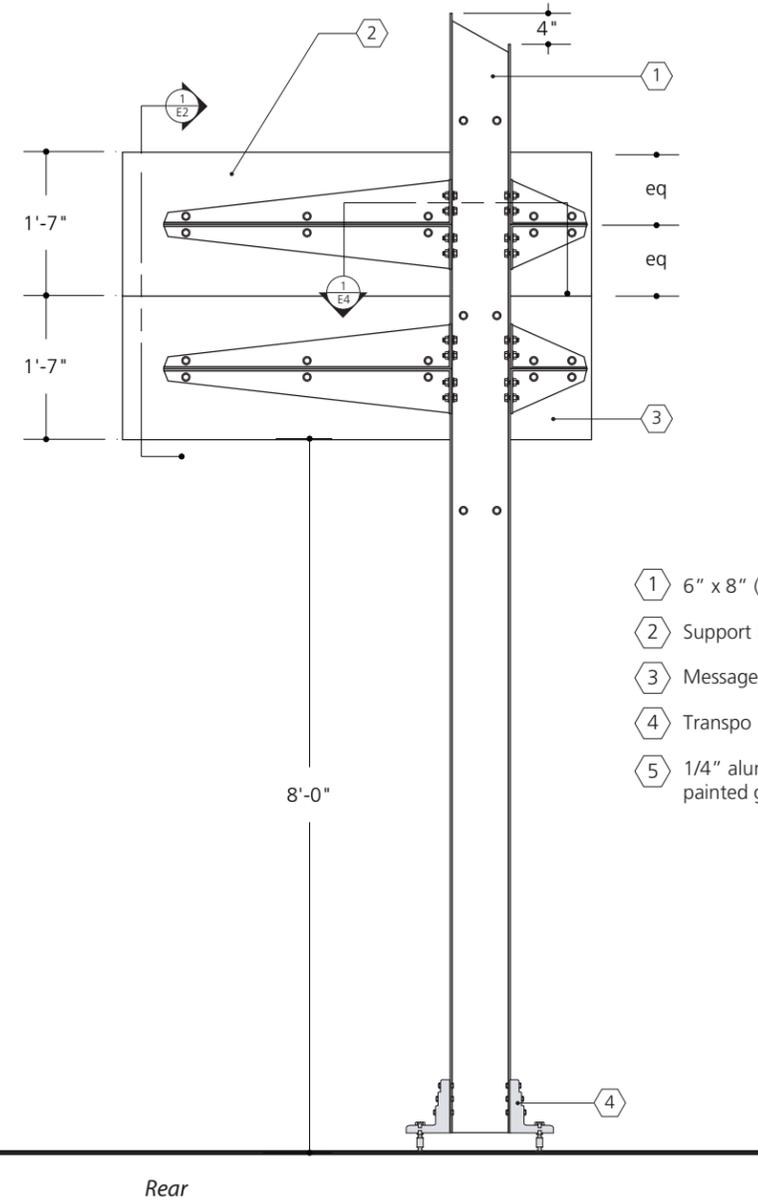
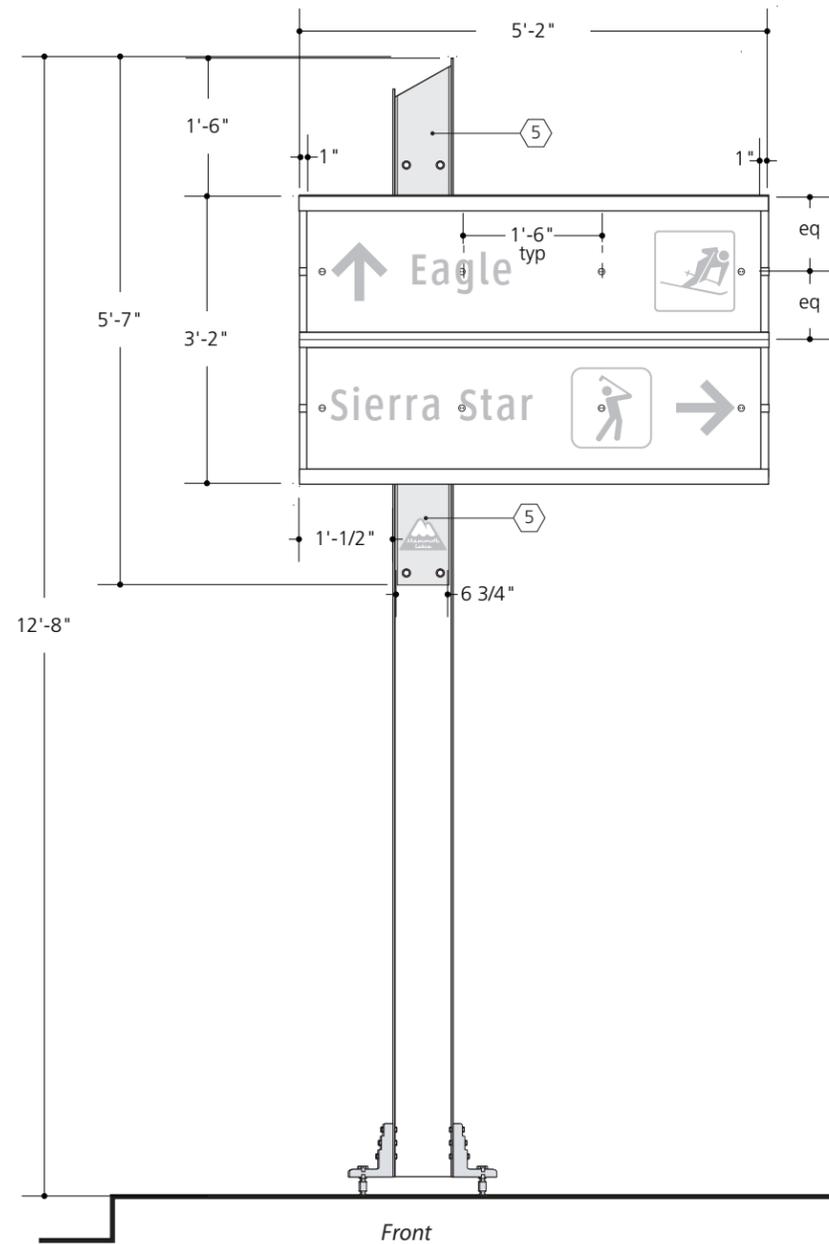
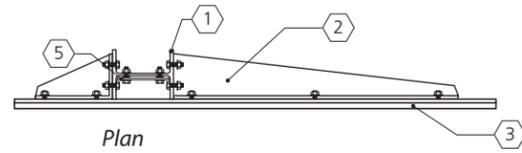
PROJECT NO.

DRAWN BY AP

SHEET TITLE
VDIR.4

SECTION: **C**

SHEET NO.
4



- ① 6" x 8" (typ) steel I-Beam
- ② Support bracket fabricated from 1/4" thick steel
- ③ Message panel assembly
- ④ Transpo B525 breakaway device
- ⑤ 1/4" alum panel bolted offset with spacers from I-beam web with painted graphics

① Elevations VDIR.5
scale: 1/2"=1'-0"

DATE

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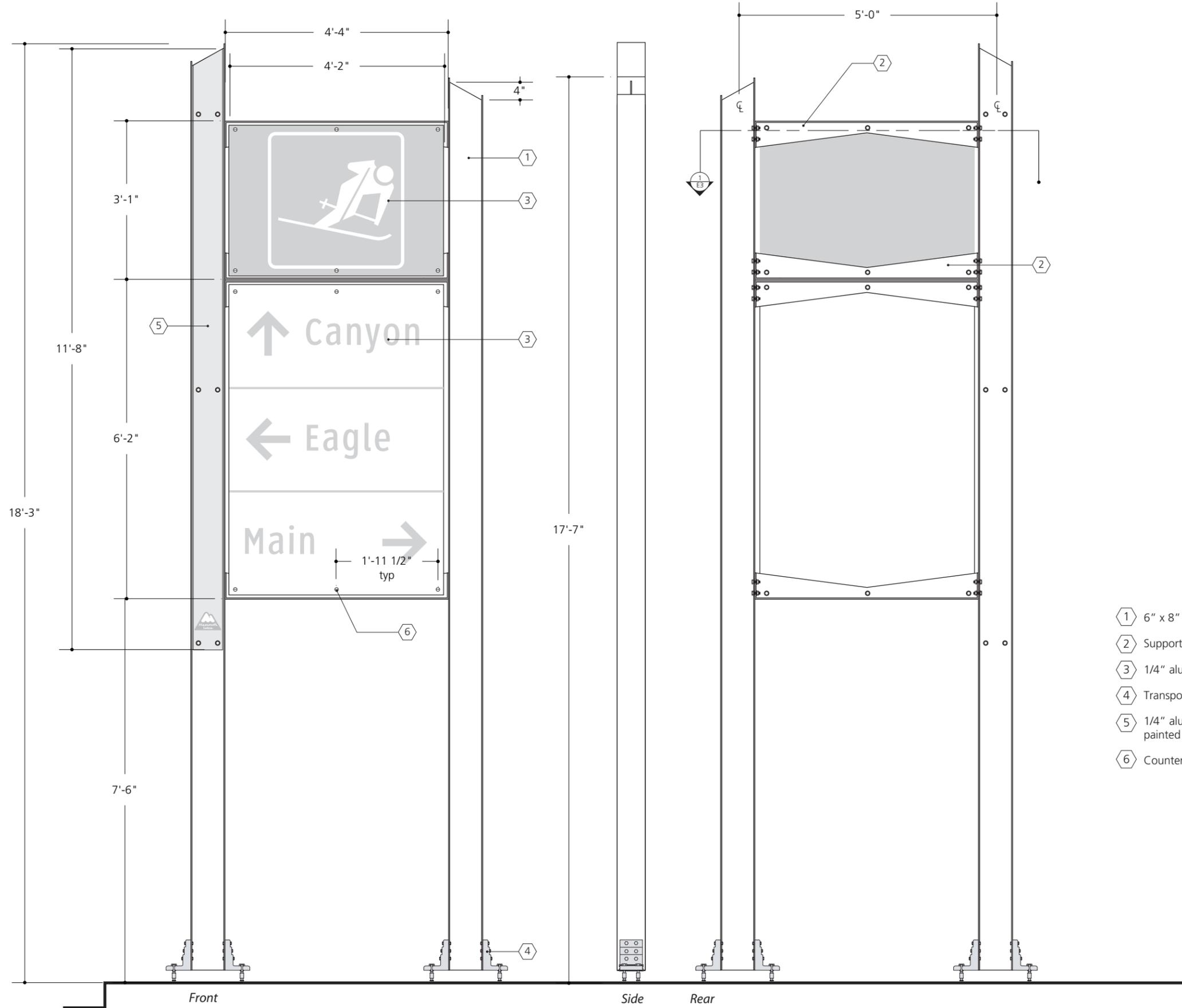
PROJECT NO.

DRAWN BY AP

SHEET TITLE
VDIR.5

SECTION: **C**

SHEET NO. **5**



- ① 6" x 8" (typ) steel I-Beam
- ② Support bracket fabricated from 3/8" thick steel
- ③ 1/4" alum message panel bolted to support brackets
- ④ Transpo B525 breakaway device
- ⑤ 1/4" alum panel bolted offset with spacers from I-beam web with painted graphics
- ⑥ Counter-sunk spannerhead fasteners hold message panel to bracket

① Elevations VDIR.7
scale: 1/2"=1'-0"

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Lakes
California**

PROJECT NO.

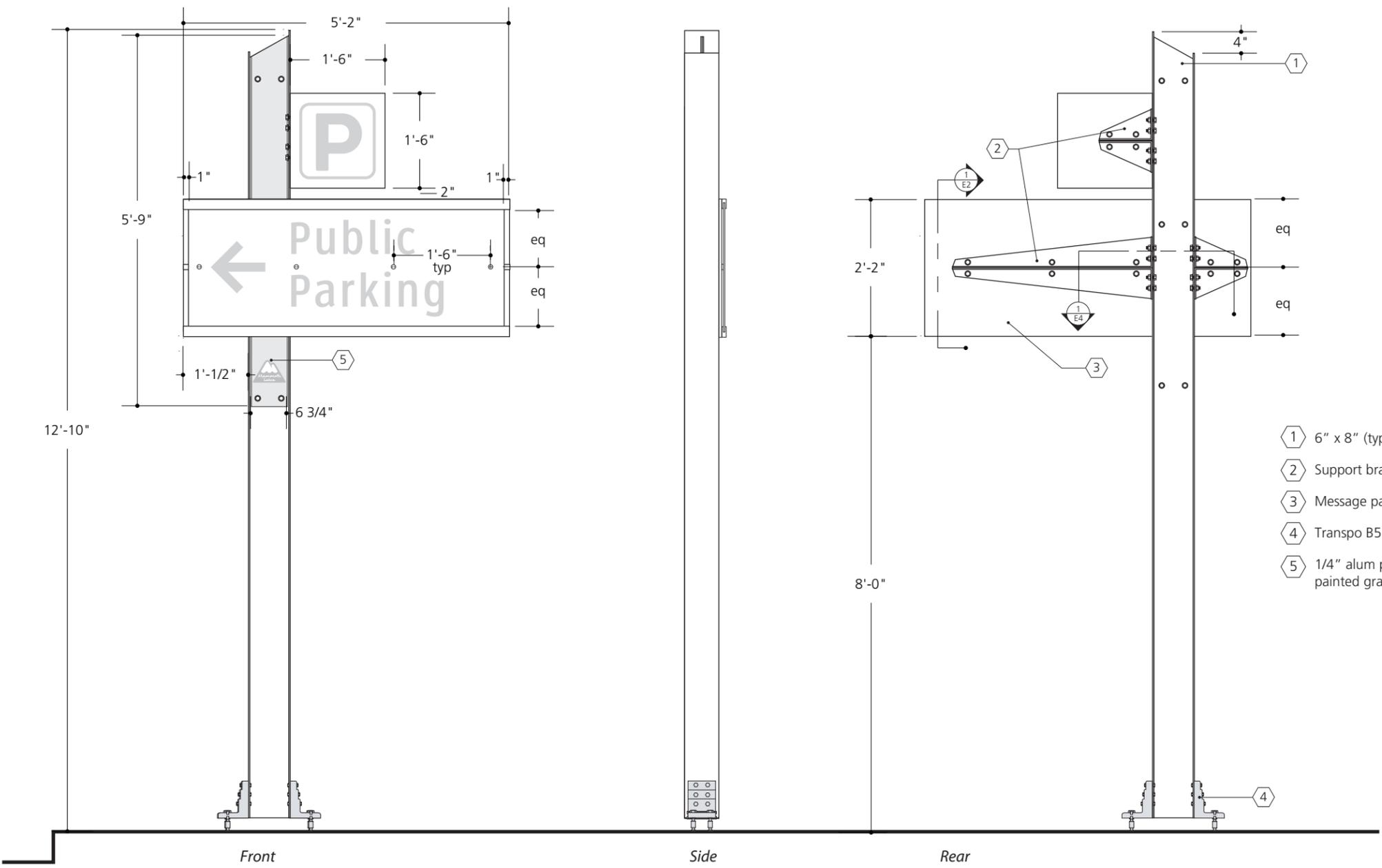
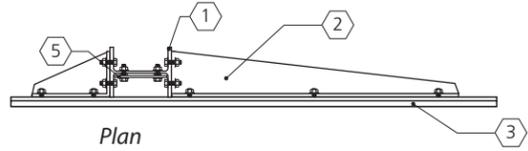
DRAWN BY AP

SHEET TITLE

VDIR.7

SECTION: **C**

SHEET NO. **7**



- ① 6" x 8" (typ) steel I-Beam
- ② Support bracket fabricated from 1/4" thick steel
- ③ Message panel assembly
- ④ Transpo B525 breakaway device
- ⑤ 1/4" alum panel bolted offset with spacers from I-beam web with painted graphics

① Elevations PARK.1
scale: 1/2"=1'-0"

DATE
30 JAN 2013

REVISIONS

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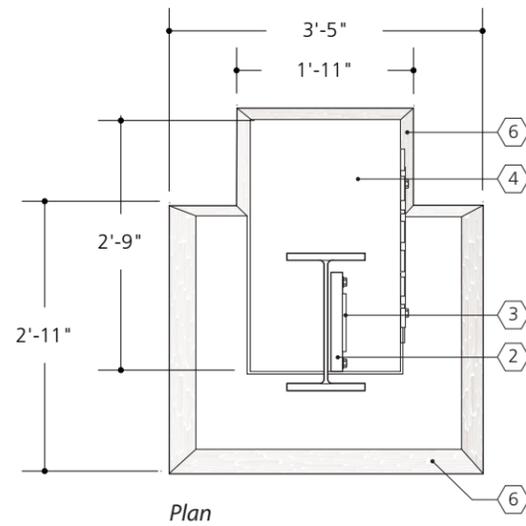
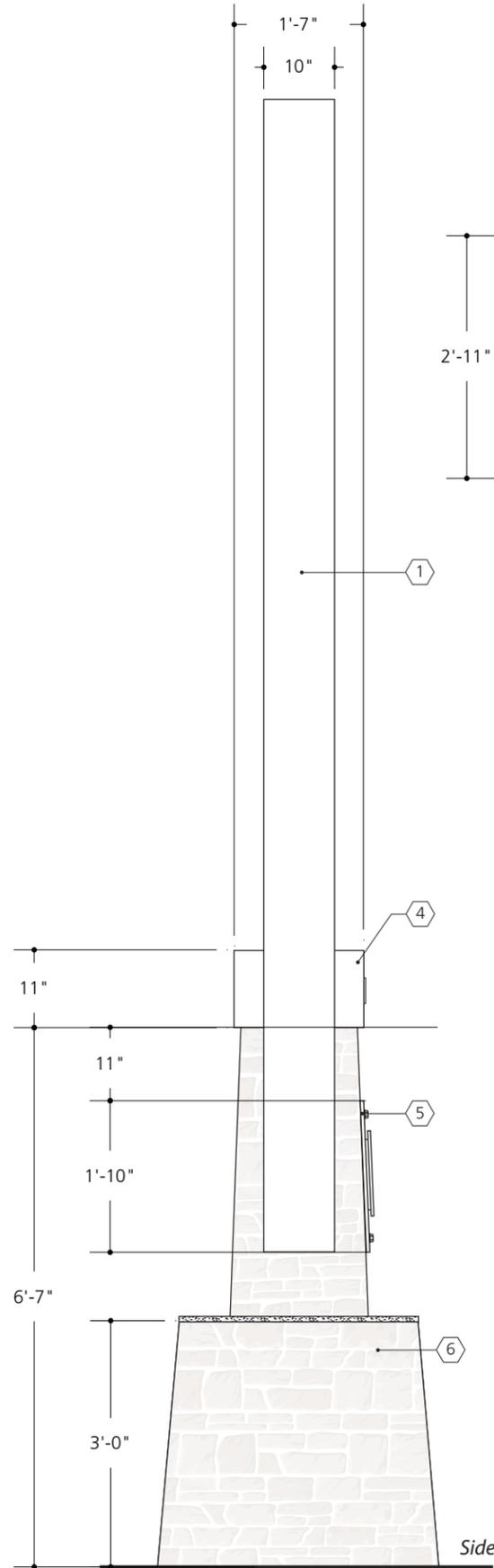
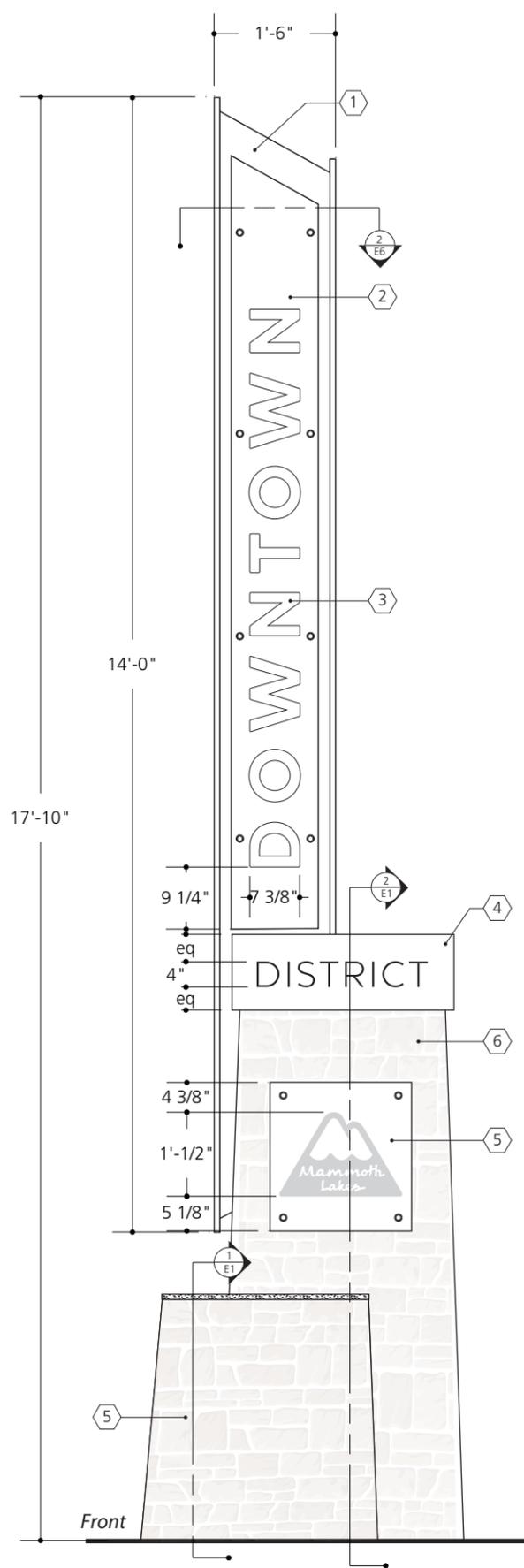
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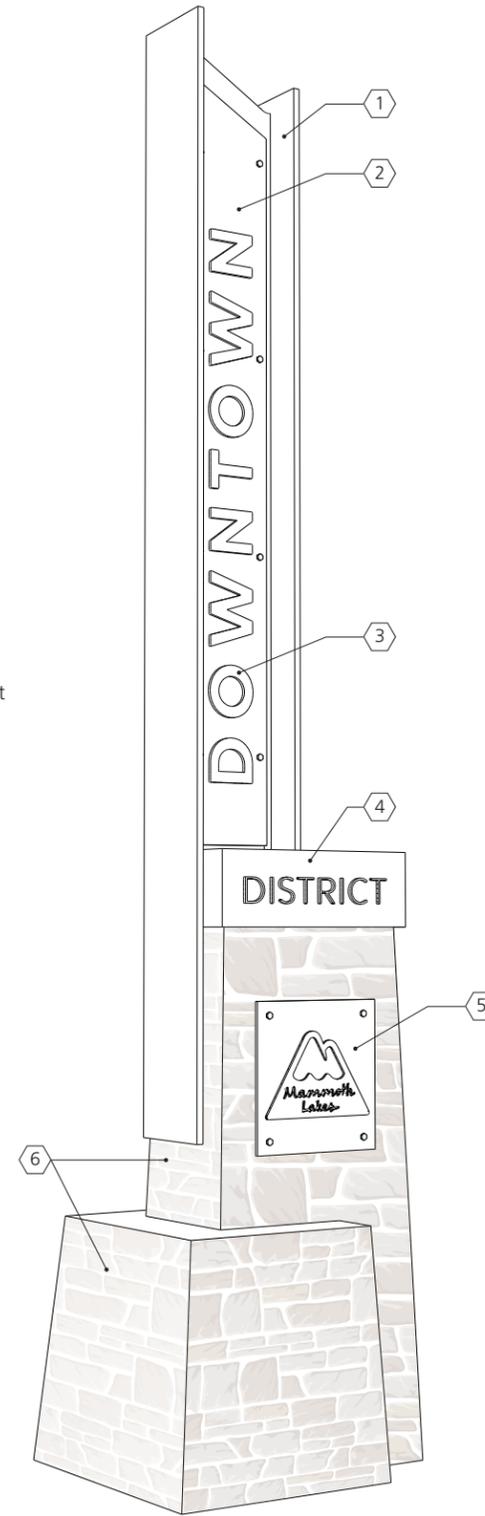
SHEET TITLE
PARK.1

SECTION: **C**

SHEET NO.
8



- ① 10" x 18" steel I-Beam mill finish fastened to internal steel frame
- ② 2 1/2" thick unfinished clear cedar plank pinned off of I-beam web
- ③ 1/4" thick cut aluminum letters with clear anodized finish - flush mount
- ④ Fabricated heavy gauge aluminum cap with 1/4" alum letters flush-mounted to face
- ⑤ 3/8" mill finish steel plate with water-jet cut, powder-coated steel logo mounted above plate. Plate assembly is mounted flush to stone base
- ⑥ Mason CMU base structure with Bridger Granite Veneer facing



② Perspective
nts

① Elevations DIST.1
scale: 1/2"=1'-0"

DATE

30 JAN 2013

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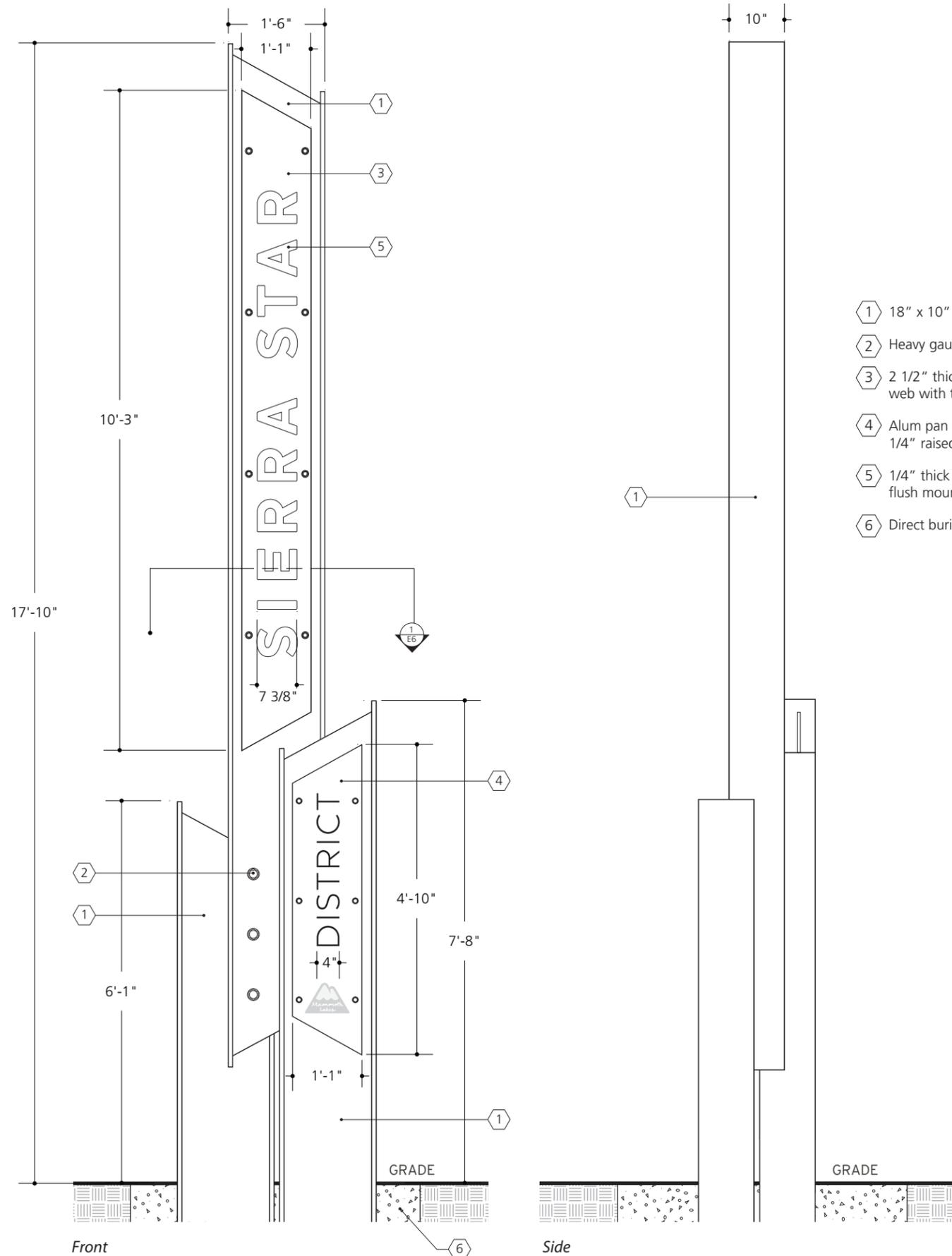
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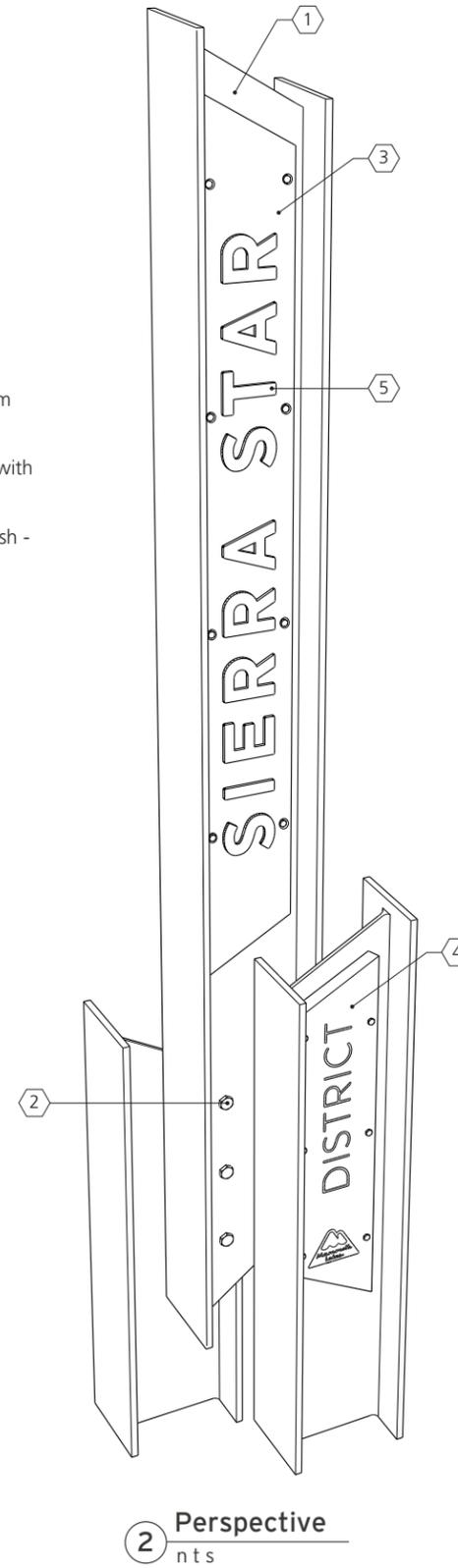
SHEET TITLE
DIST.1

SECTION: **C**

SHEET NO.
9



- ① 18" x 10" (typ) steel I-Beam with mill finish
- ② Heavy gauge bolts fasten I-beams together
- ③ 2 1/2" thick unfinished cedar plank pinned off of I-beam web with through-bolts
- ④ Alum pan bolted offset with spacers from I-beam web with 1/4" raised alum graphics
- ⑤ 1/4" thick cut aluminum letters with clear anodized finish - flush mount
- ⑥ Direct burial poured concrete footer



① Elevations DIST.2
scale: 1/2"=1'-0"

DATE
30 JAN 2013

REVISIONS

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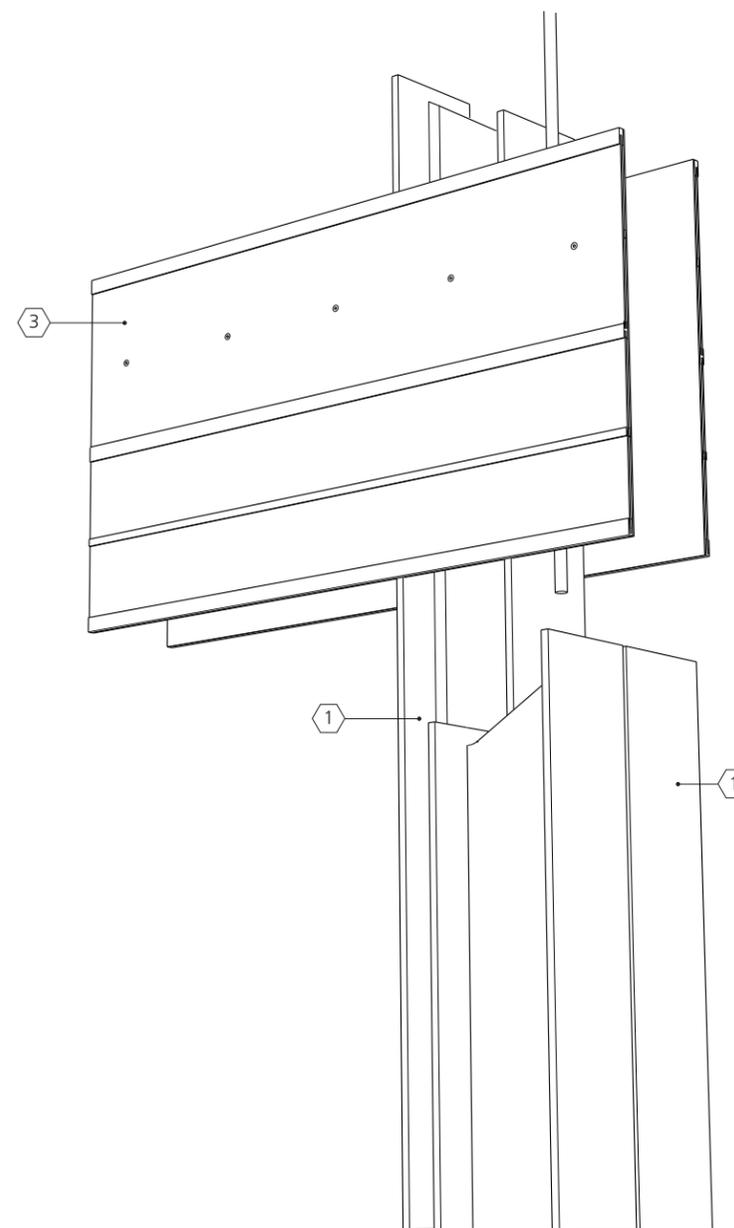
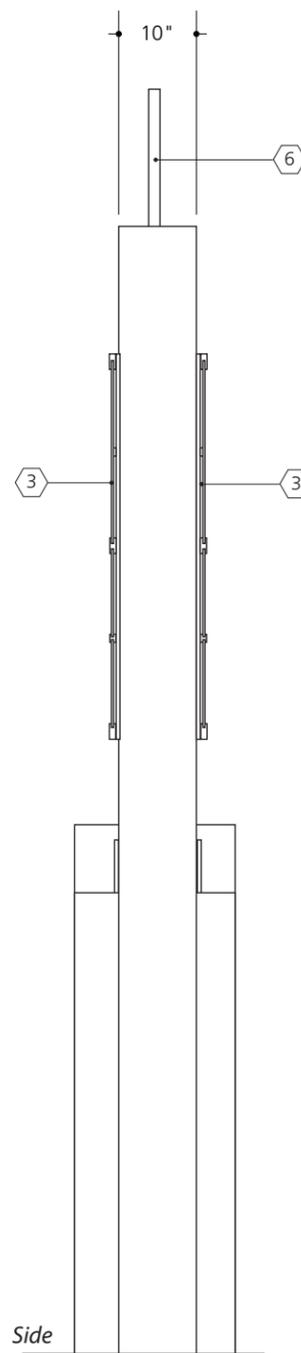
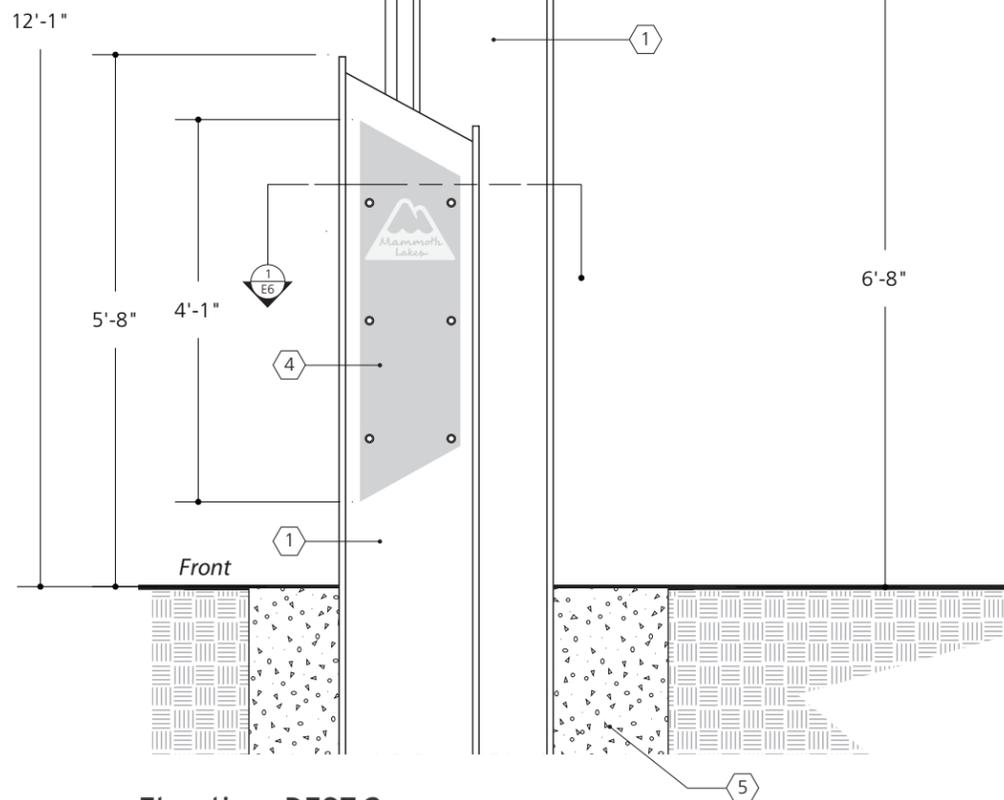
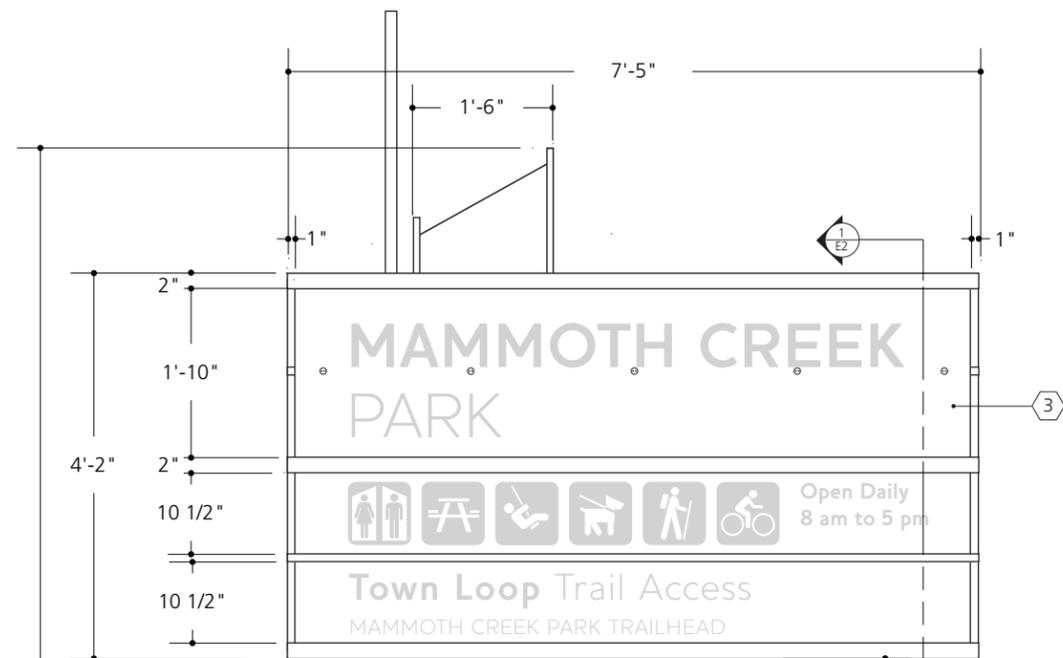
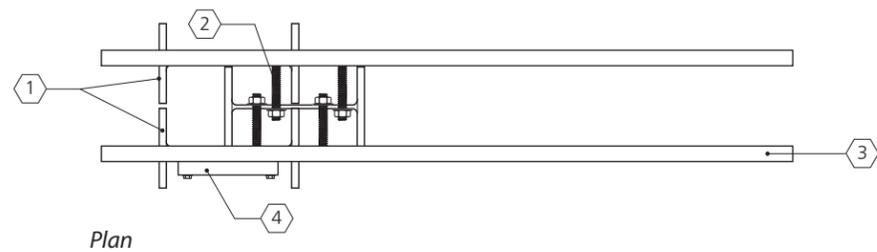
PROJECT NO.

DRAWN BY AP

SHEET TITLE
DIST.2

SECTION: **C**

SHEET NO.
10



2 Perspective
n t s

- 1 18" x 10" (typ) steel I-Beam with mill finish
- 2 Heavy gauge bolts fasten I-beams together
- 3 Message panel assembly
- 4 1/4" alum panel bolted offset with spacers from I-beam web with painted graphics
- 5 Direct burial poured concrete footer
- 6 Fiberglass tube snow measurement pole

1 Elevations DEST.2
scale: 1/2"=1'-0"

DATE

30 JAN 2013

REVISIONS

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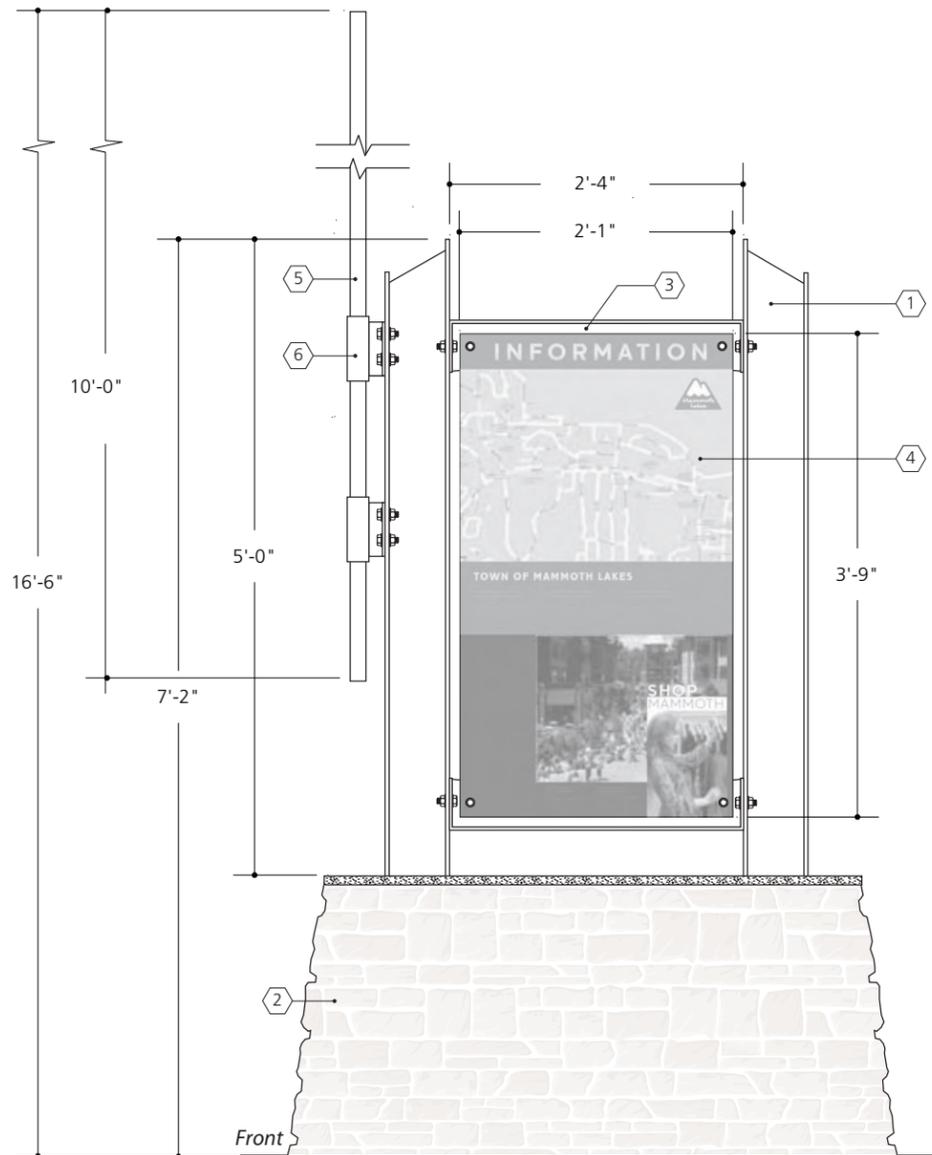
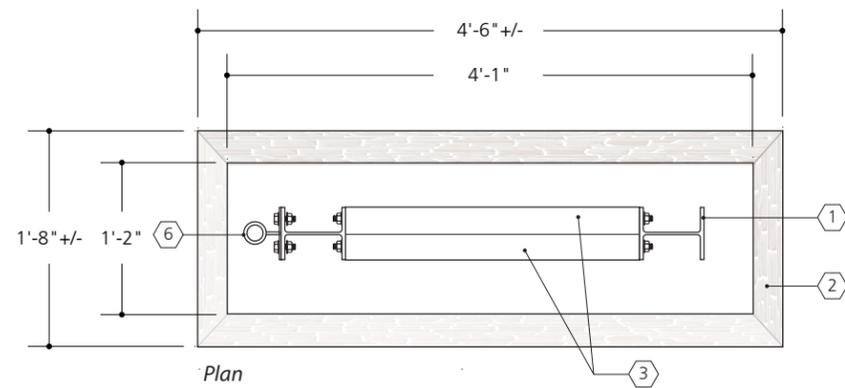
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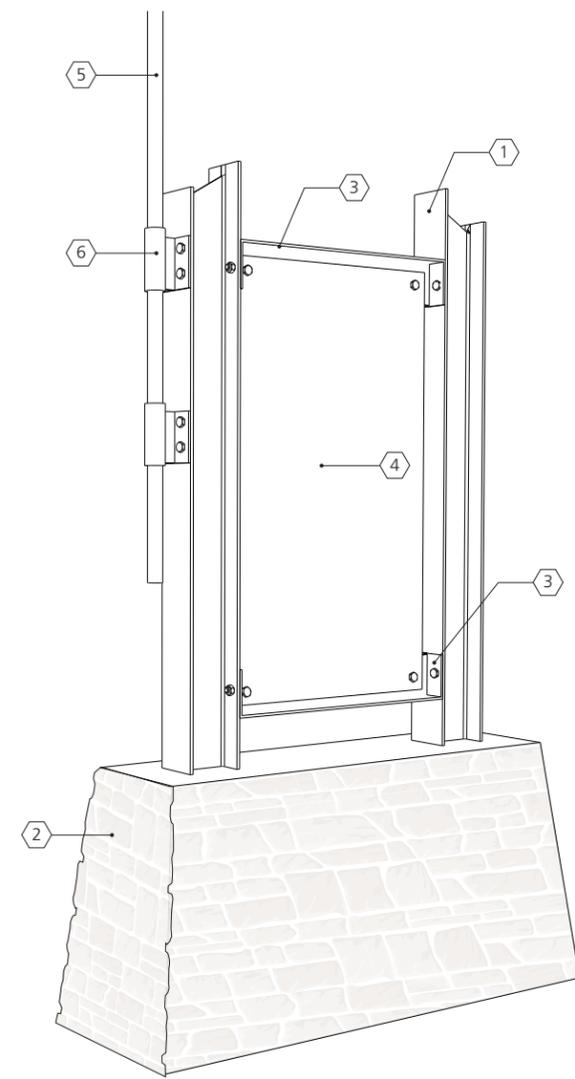
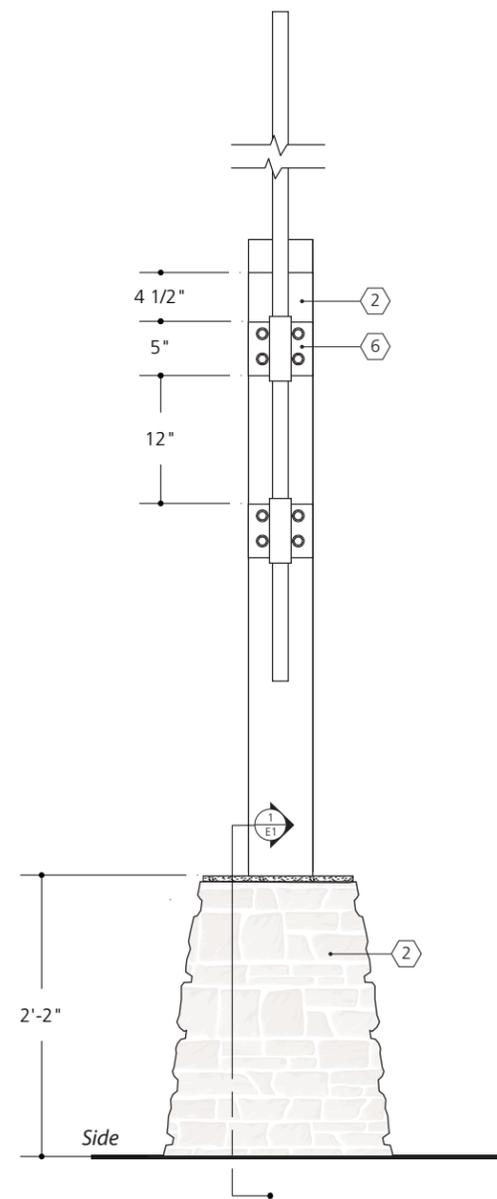
SHEET TITLE
DEST.2

SECTION: C

SHEET NO.
11



1 Elevations KIOSK.1
scale: 3/4"=1'-0"



2 Perspective
n t s

- ① 5 x 6 stell I-beam with mill finish
- ② Mason CMU base structure with Bridger Granite Veneer facing
- ③ Support bracket fabricated from 1/4" thick steel with mill finish
- ④ Message panels (x2) 1/2" phenolic resin panel fastened to support bracket
- ⑤ Fiberglass tube snow measurement pole
- ⑥ Snow pole cuff assembly fastened to upright steel

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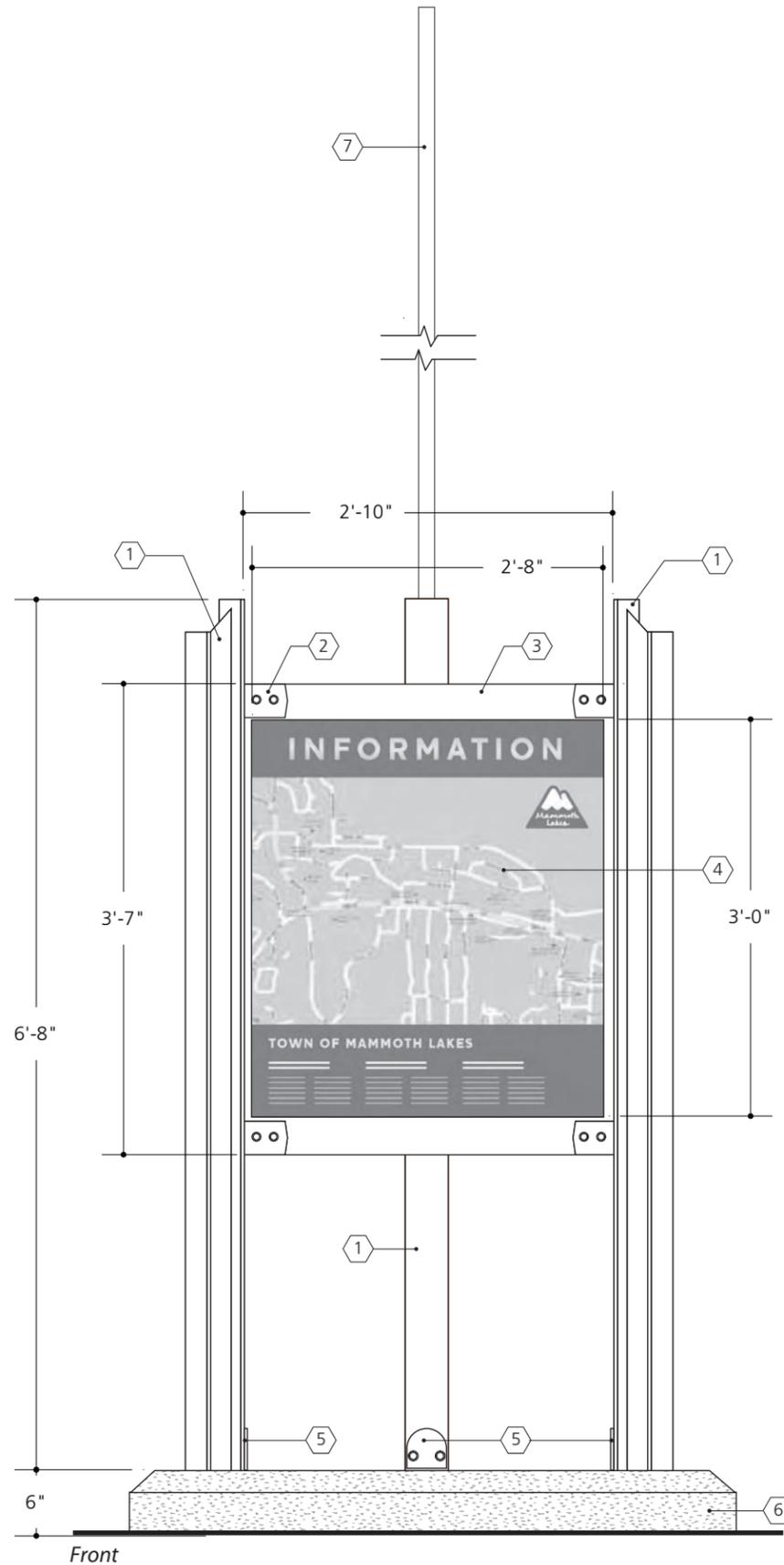
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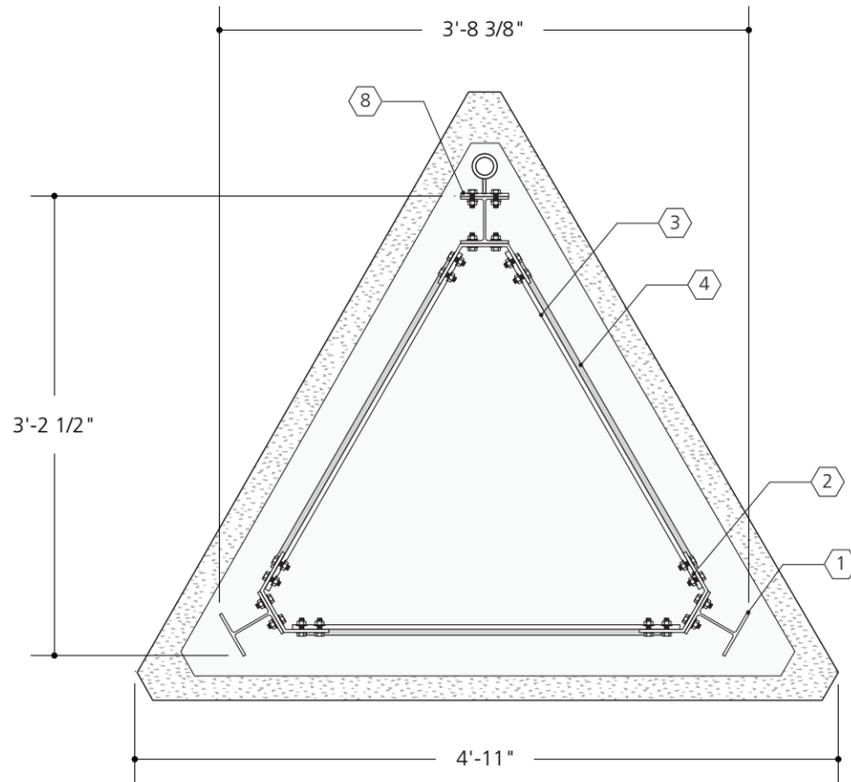
SHEET TITLE
KIOSK.1

SECTION: **C**

SHEET NO.
12

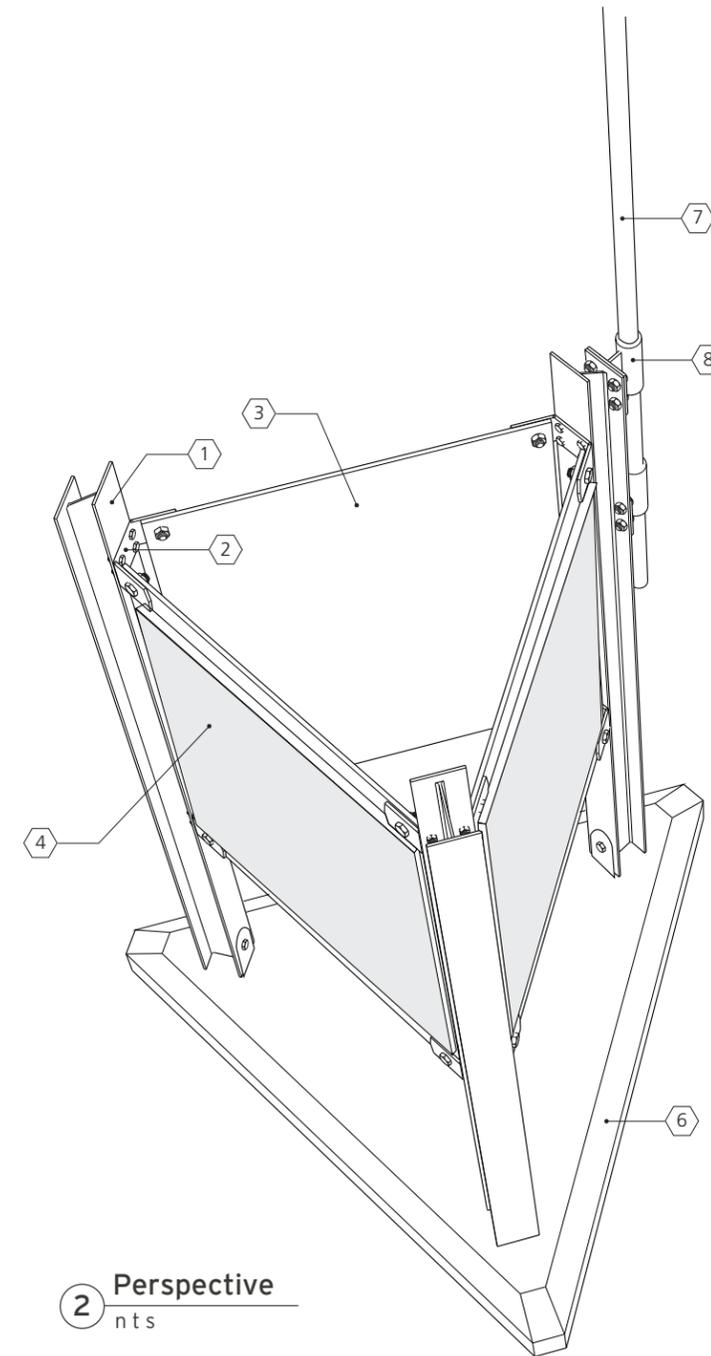


1 Elevation KIOSK.2
scale: 3/4"=1'-0"



2 Plan KIOSK.2
scale: 3/4"=1'-0"

- 1 4 x 4 steel I-beam with mill finish
- 2 Bracket assembly fabricated from 1/4" thick steel with mill finish
- 3 3/8" steel back plate bolted to bracket assembly and I-beam
- 4 Message panel 1/2" phenolic resin panel fastened to back plate
- 5 1/2" steel cleats anchored into concrete footer - bolt upright I-beams to cleats
- 6 Raised concrete pad with chamfered edges and crowned top for drainage
- 7 Fiberglass tube snow measurement pole - 10'-0"
- 8 Snow pole cuff assembly fastened to upright steel



2 Perspective
nts

DATE

30 JAN 2013

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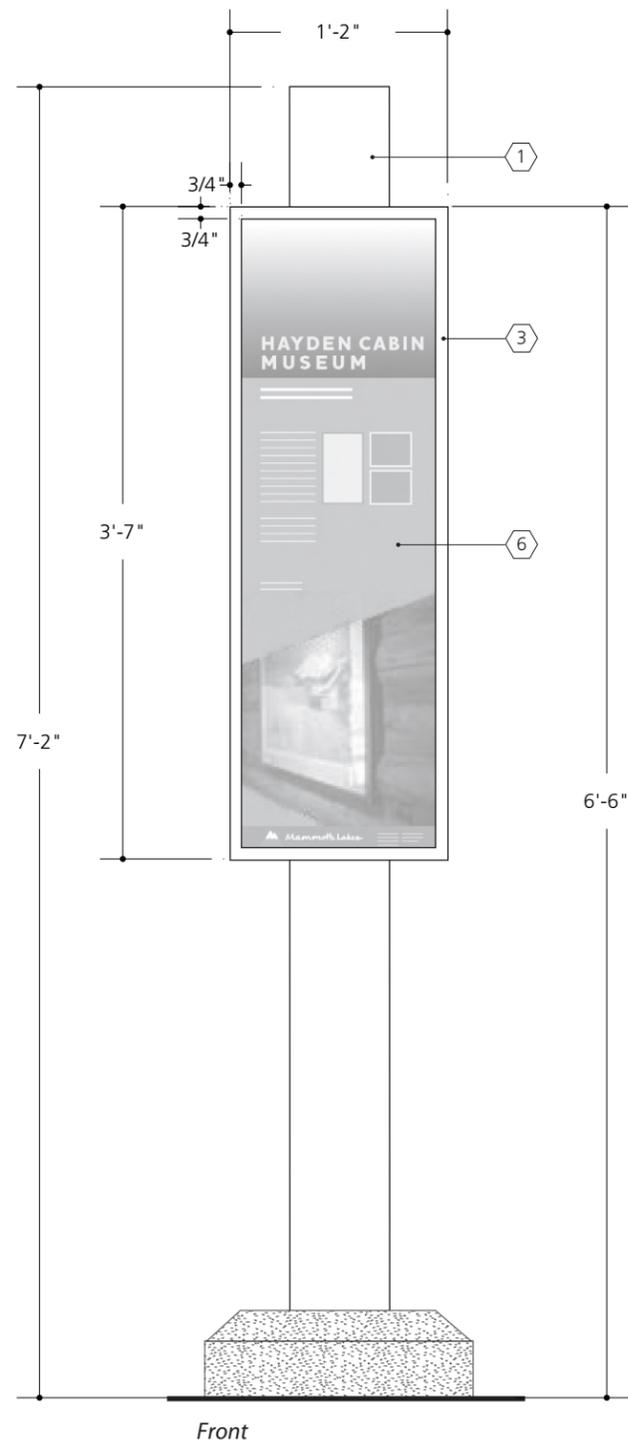
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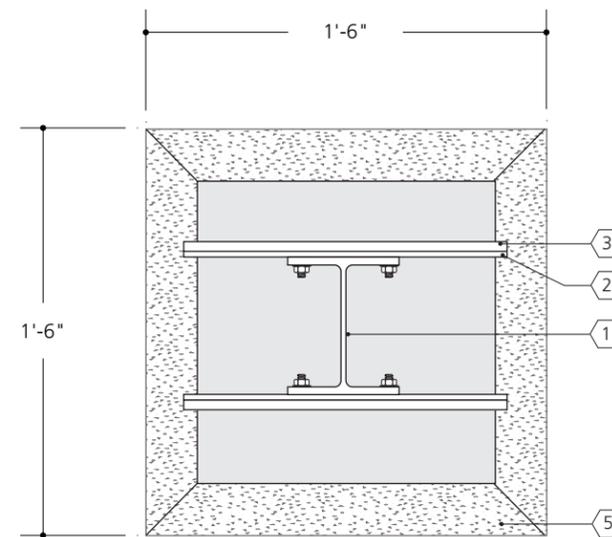
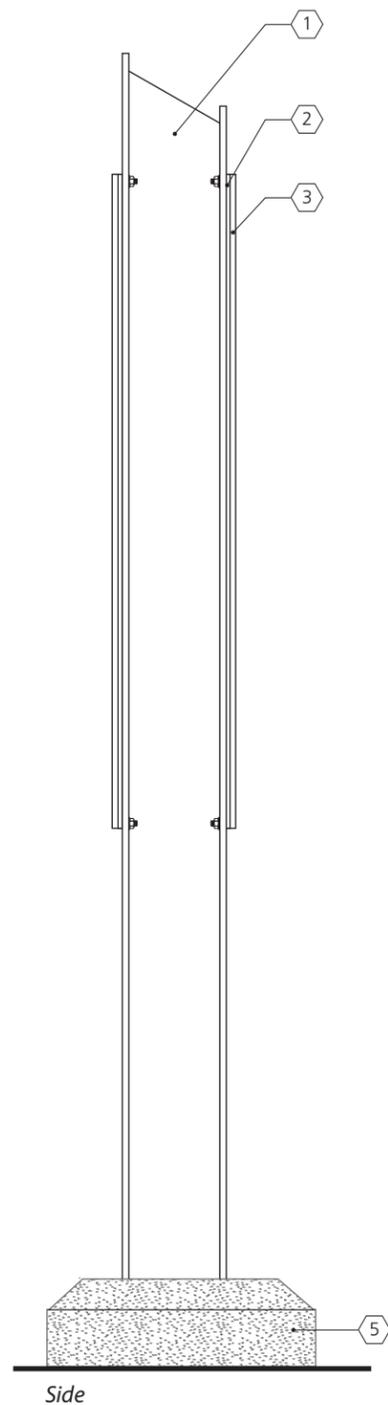
SHEET TITLE
KIOSK.2

SECTION: **C**

SHEET NO.
13



1 Elevations INTERP.1
scale: 1 1/2"=1'-0"



2 Plan
scale: 3"=1'-0"

- 1 5 x 6 steel I-beam with mill finish
- 2 1/4" alum back plate
- 3 3/8" routed alum frame with welded stud on back - bolt through back plate to upright steel
- 4 Message panel 3/16" phenolic resin panel fastened to back plate
- 5 Raised concrete pad with chamfered edges and crowned top for drainage

DATE

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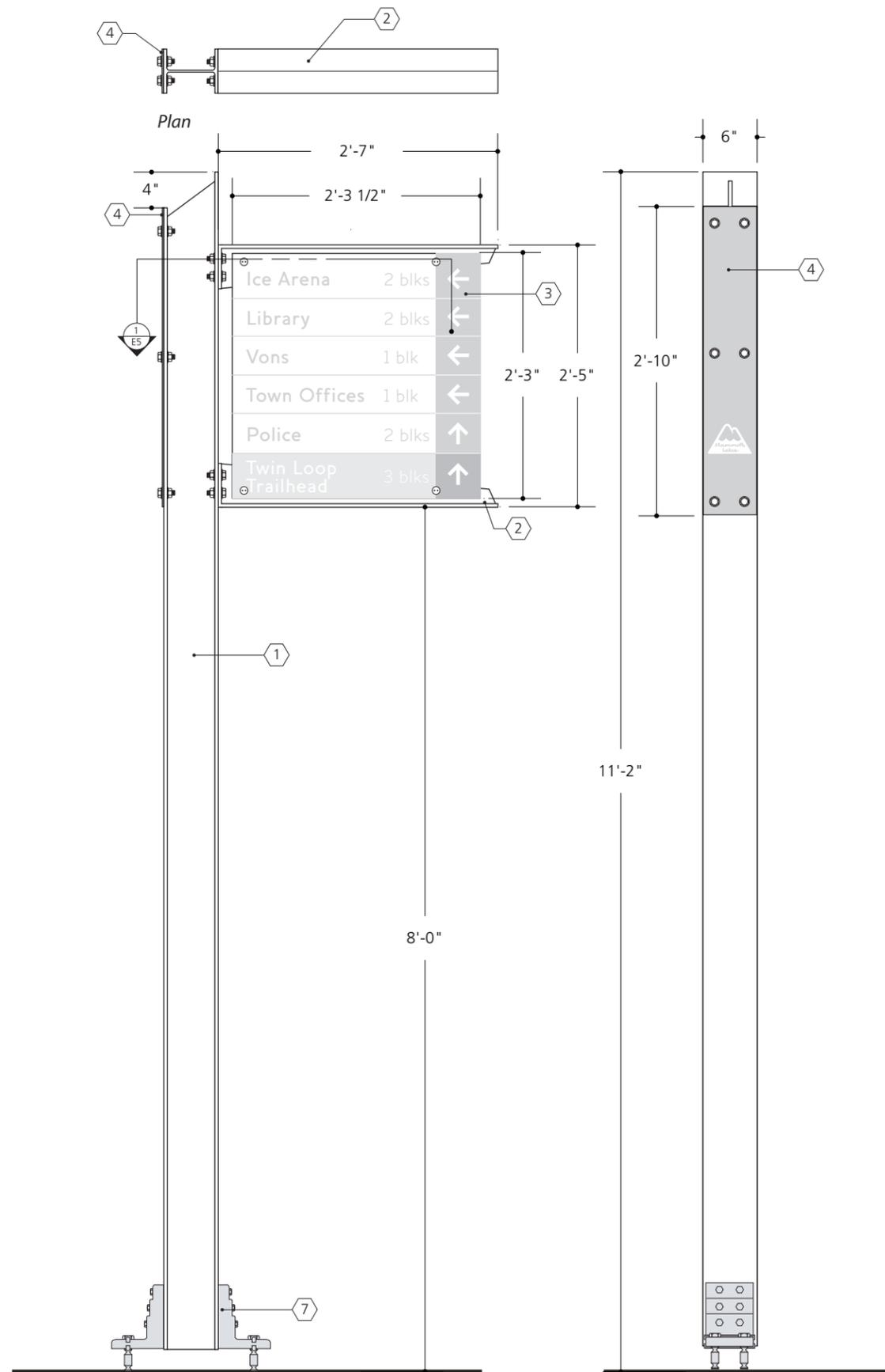
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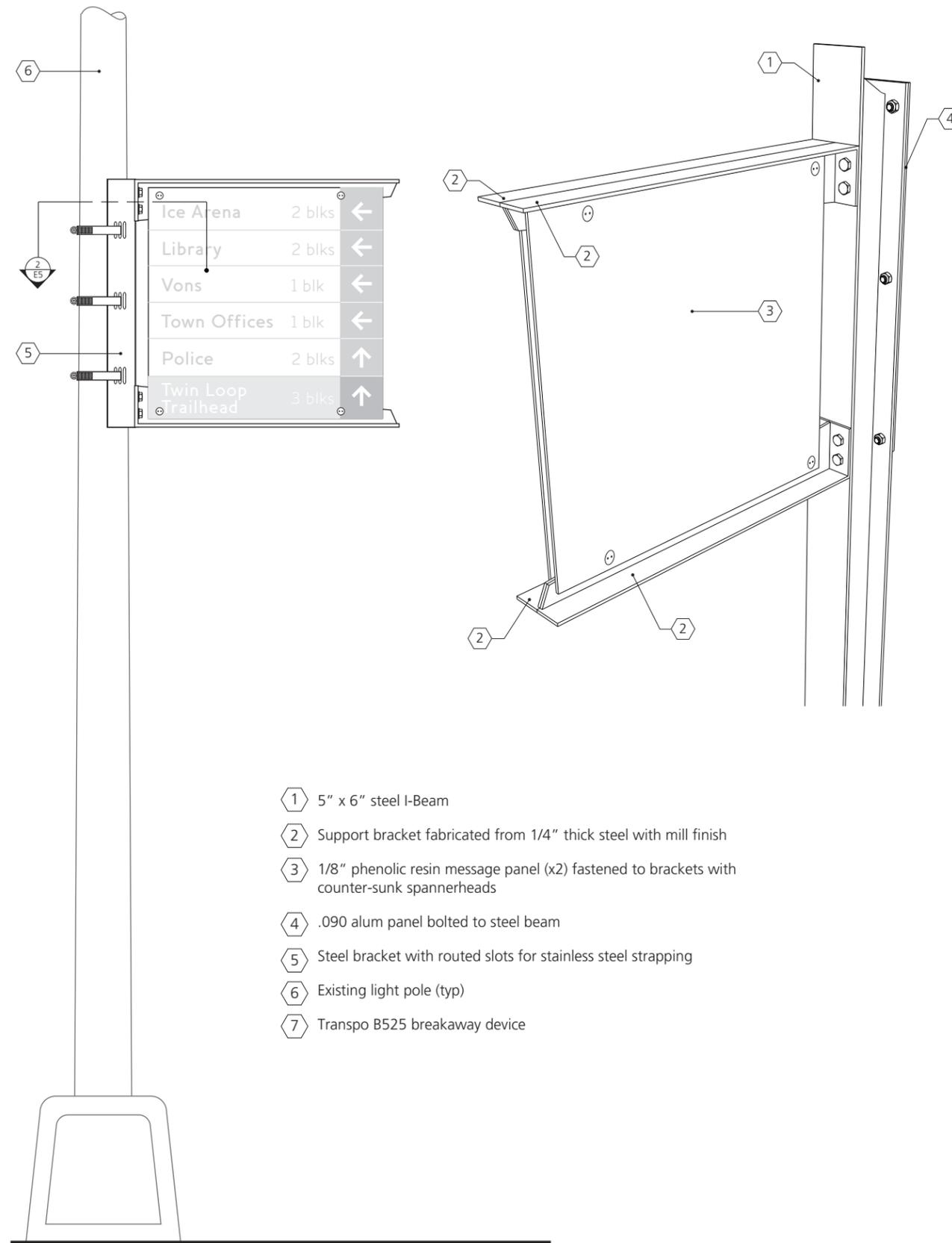
SHEET TITLE
INTERP.1

SECTION: **C**

SHEET NO.
14



1 Front Elevations PDIR.1
scale: 3/4"=1'-0"



2 Front Elevations PDIR.2
scale: 3/4"=1'-0"

- 1 5" x 6" steel I-Beam
- 2 Support bracket fabricated from 1/4" thick steel with mill finish
- 3 1/8" phenolic resin message panel (x2) fastened to brackets with counter-sunk spannerheads
- 4 .090 alum panel bolted to steel beam
- 5 Steel bracket with routed slots for stainless steel strapping
- 6 Existing light pole (typ)
- 7 Transpo B525 breakaway device

DATE

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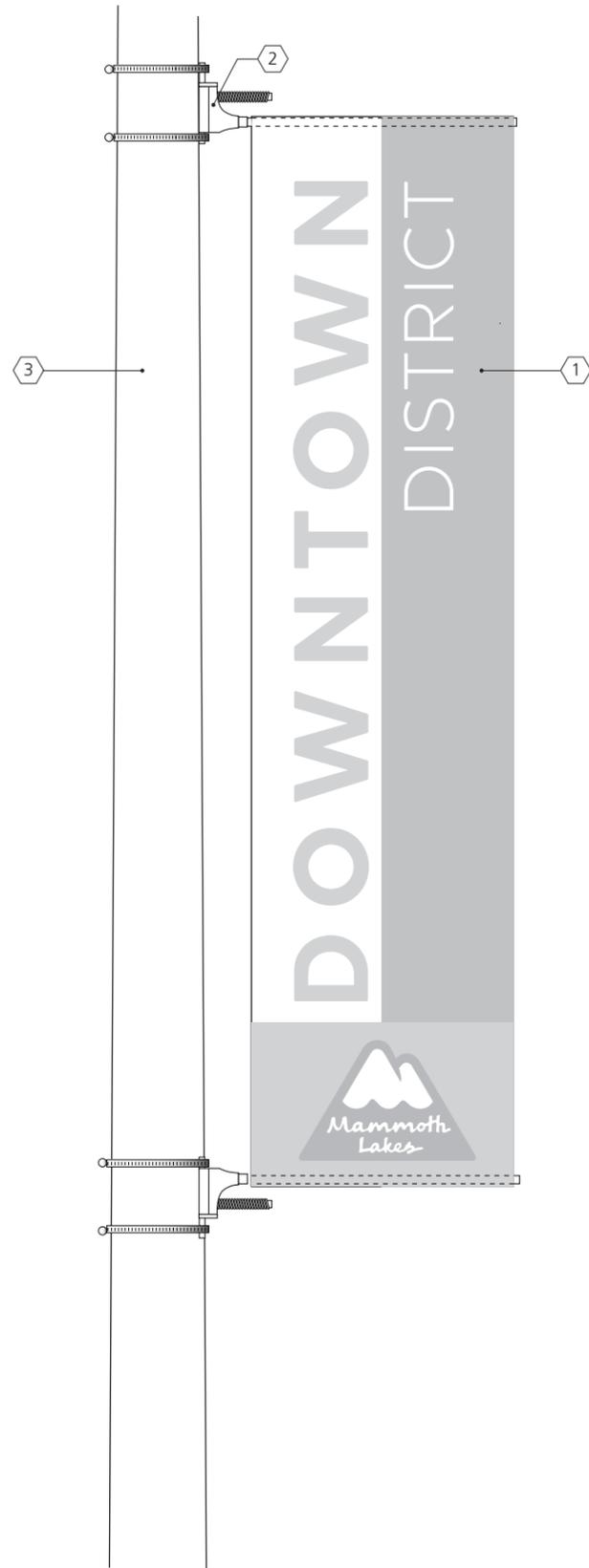
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SHEET TITLE
PDIR.1, 2

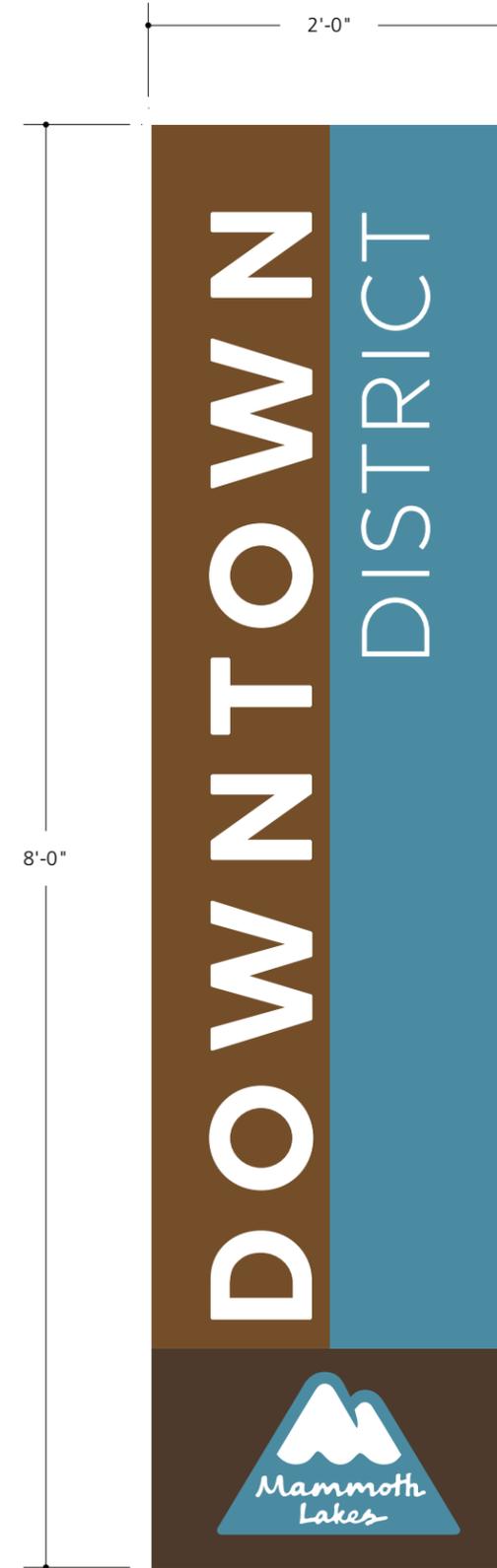
SECTION: **C**

SHEET NO.
15



- ① 18mm printed (720 DPI) d/f vinyl banner with hemmed edges, interlayer and hemmed pockets at top and bottom
- ② Spring-loaded banner mounts by BannerSaver. Fasten to existing light poles with stainless steel band-it straps with ratchet tighteners
- ③ Existing light pole

① Elevation BANNER.1
scale: 3/4"=1'-0"



② Elevation BANNER.1
scale: 1"=1'-0"

DATE

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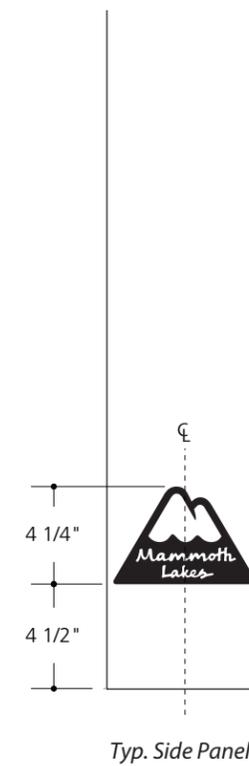
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SHEET TITLE
BANNER.1

SECTION: **C**

SHEET NO.
16

D. Graphic Layouts



DATE
30 JAN 2013

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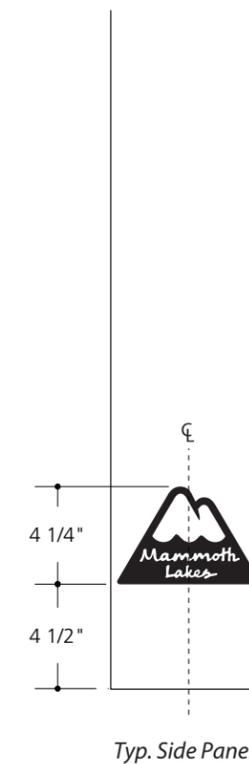
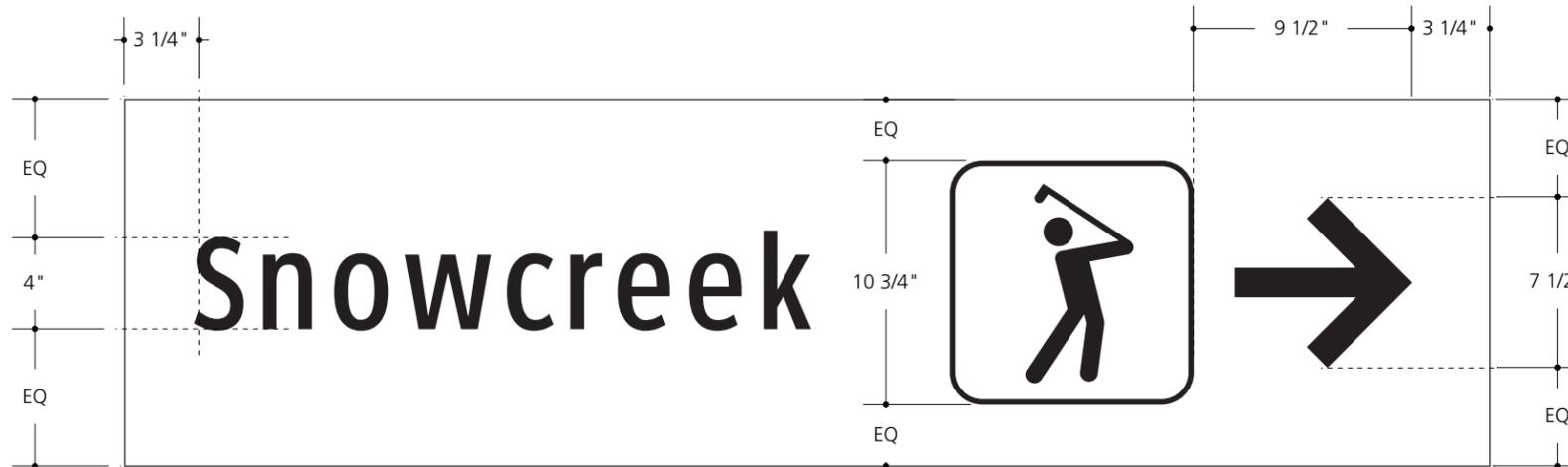
SHEET TITLE
Graphic Layouts VDIR Sign Types

SECTION: **D**

SHEET NO.
1

1 Elevations typ. graphic layouts VDIR.1, 2, 3 - PARK.1
scale: 1 1/2"=1'-0"

NOTES:
Messages shown are for illustrative purposes only. Refer to message schedule for actual message content.
Message layout rules are similar for all VDIR.1, 2 & 3 sign types



NOTES:
 Messages shown are for illustrative purposes only. Refer to message schedule for actual message content.
 Message layout rules are similar for all VDIR.4, 5 & 6 sign types

① Elevations typ. graphic layouts VDIR.4, 5, 6
 scale: 1 1/2"=1'-0"

DATE
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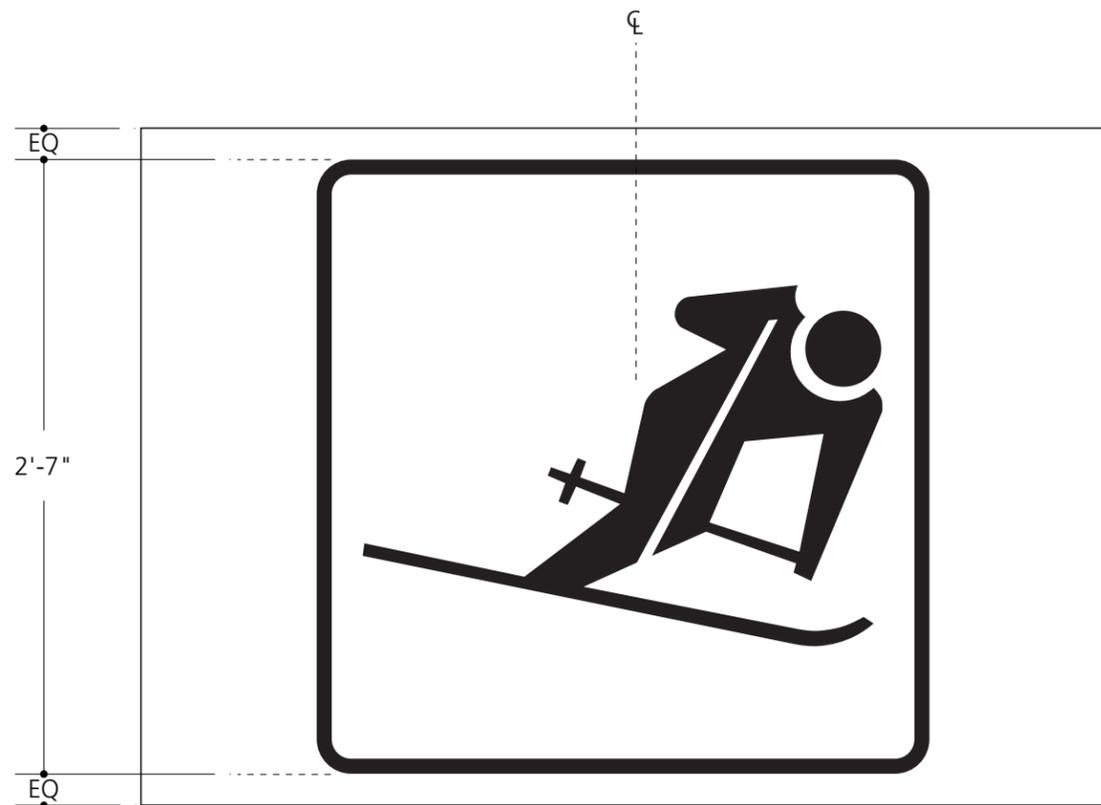
PROJECT NO.

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SHEET TITLE
 Graphic Layouts
 VDIR Sign Types

SECTION: **D**

SHEET NO.
2

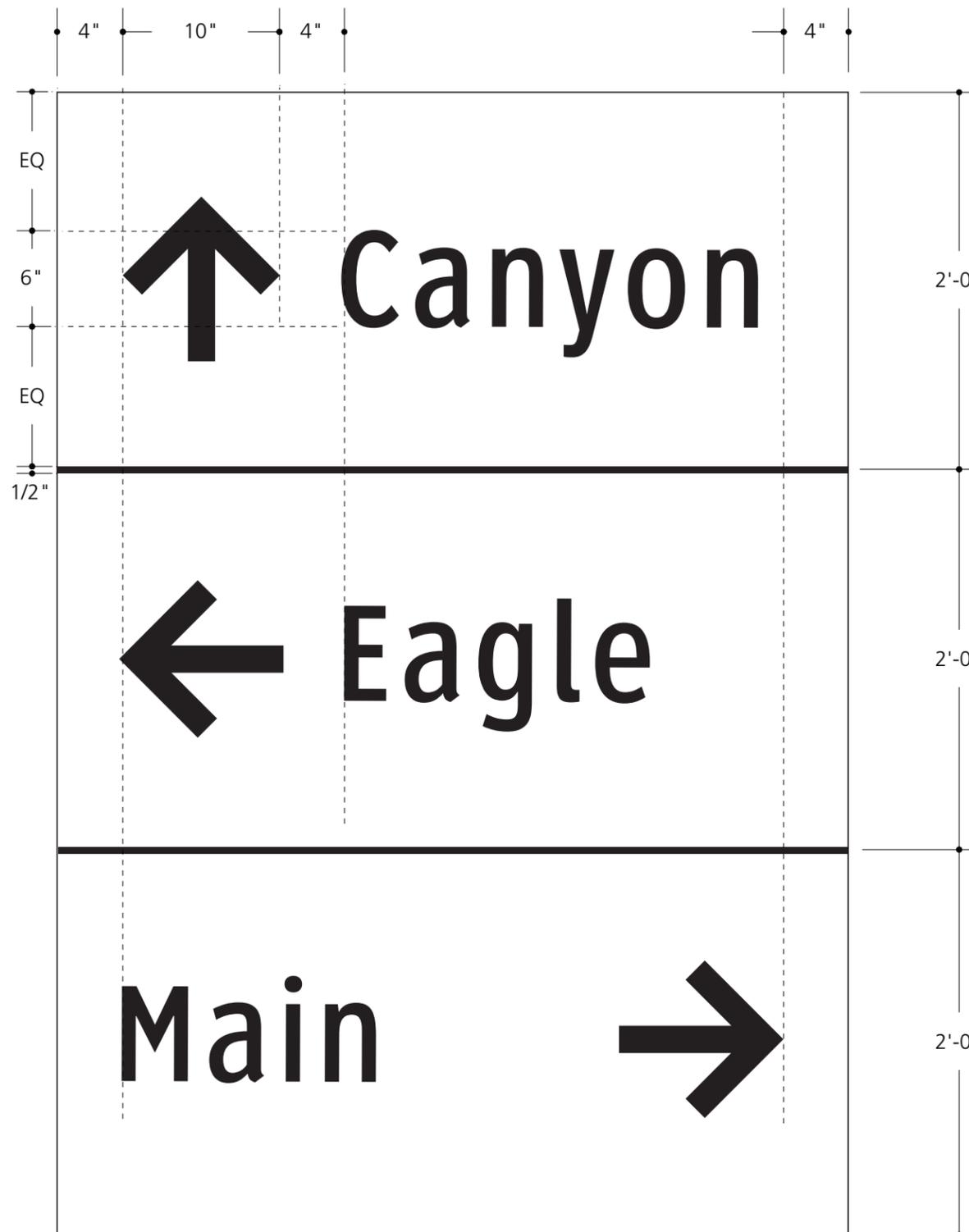


Top Panel

NOTES:

Messages shown are actual sign panels.

Message layout rules are similar for all VDIR.7 sign types



1 Elevations typ. graphic layouts VDIR.7
scale: 1"=1'-0"

DATE

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SHEET TITLE
Graphic Layouts
VDIR Sign Types

SECTION: **D**

SHEET NO. **3**

7 1/4"

EQ

5 5/8"

3 3/8"

5 5/8"

EQ

MAMMOTH CREEK PARK

EQ

1 1/2"

3"

8"

EQ

1 1/8"

2"

3 1/2"

Open Daily
8 am to 5 pm

EQ

3 3/8"

2 1/2"

1 7/8"

EQ

Town Loop Trail Access

MAMMOTH CREEK PARK TRAILHEAD

1 Elevations typ. graphic layouts DEST.1, 2
scale: 1 1/2"=1'-0"

NOTES:
Messages shown are actual sign panels.
Message layout rules are similar for all DEST.1 & 2 sign types.

DATE
30 JAN 2013

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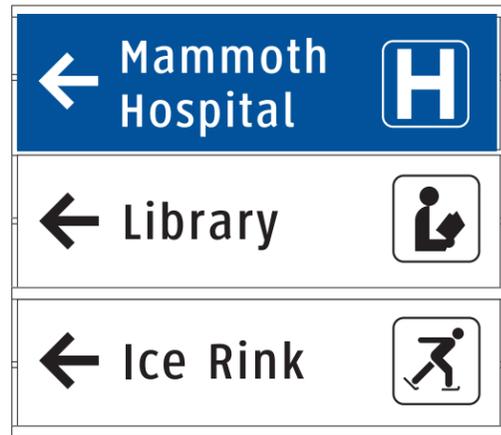
SHEET TITLE
Graphic Layouts
DEST Sign Types

SECTION: **D**

SHEET NO.
4



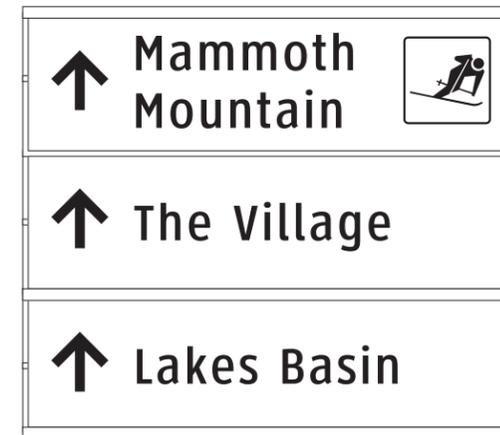
Loc. 101 VDIR.3



Loc. 102 VDIR.3



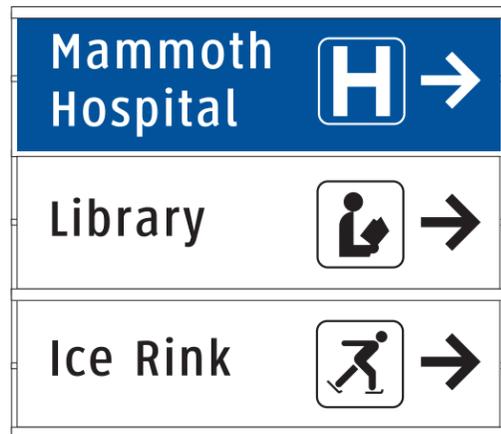
Loc. 103 VDIR.3



Loc. 104 VDIR.3



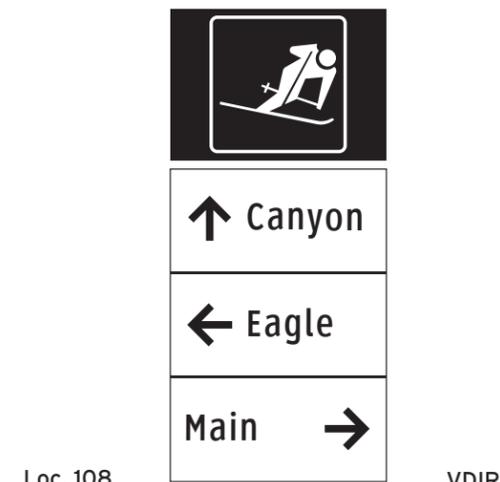
Loc. 105 VDIR.3



Loc. 106 VDIR.3



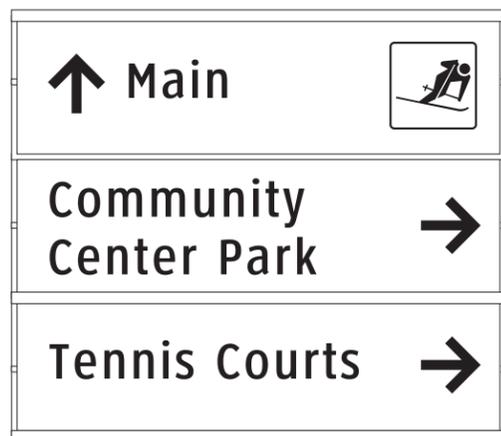
Loc. 107 VDIR.3



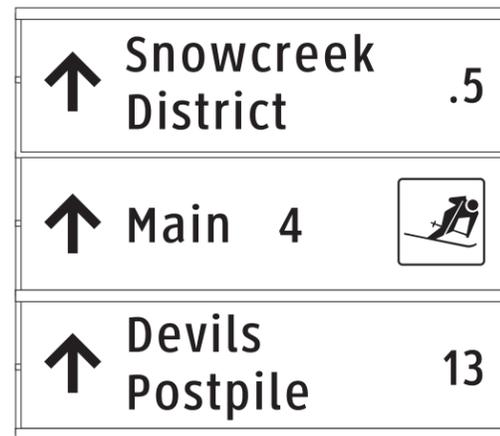
Loc. 108 VDIR.7



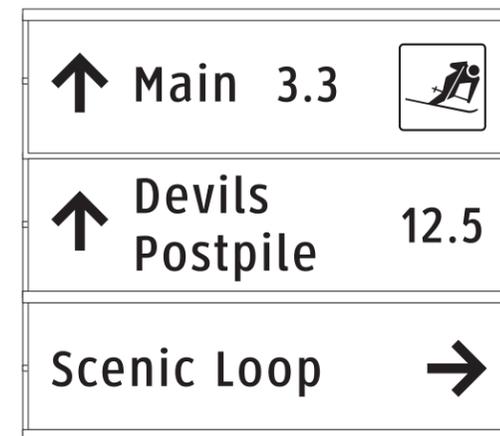
Loc. 109 VDIR.3



Loc. 110 VDIR.3



Loc. 111 VDIR.3



Loc. 112 VDIR.3

DATE
30 JAN 2013

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City of
**Mammoth
Lakes**
California

PROJECT NO.

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SHEET TITLE
Sign location layouts
6" cap height

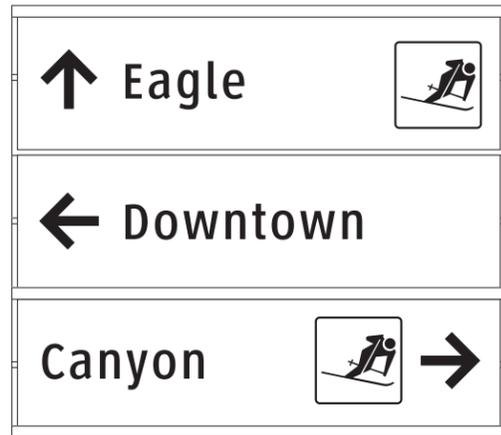
SECTION: **D**

SHEET NO. **5**



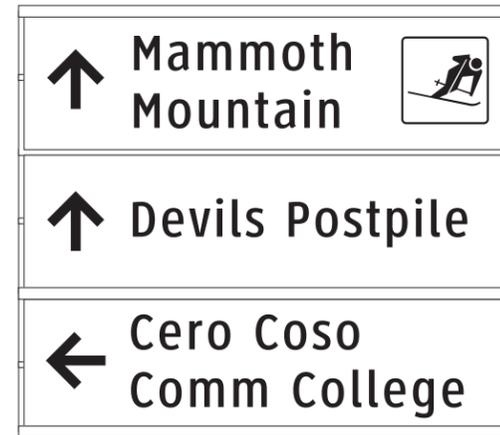
Loc. 113

VDIR.3



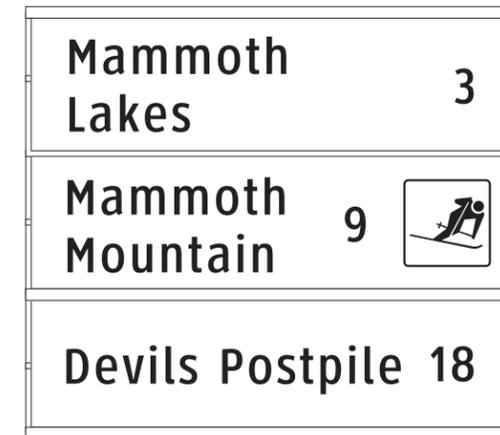
Loc. 114

VDIR.3



Loc. 115

VDIR.3



Loc. 116

VDIR.3



Loc. 117

VDIR.1



Loc. 118

VDIR.3

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SHEET TITLE

**Sign location layouts
6" cap height**

SECTION: **D**

SHEET NO. **6**



Loc. 201 VDIR.6



Loc. 202 VDIR.5



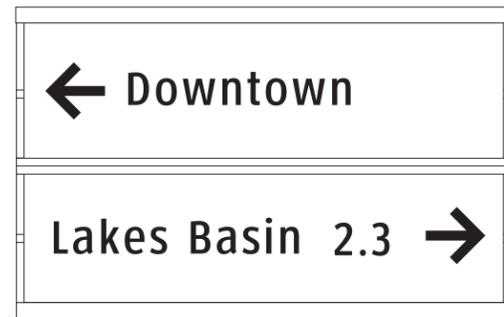
Loc. 203 VDIR.4



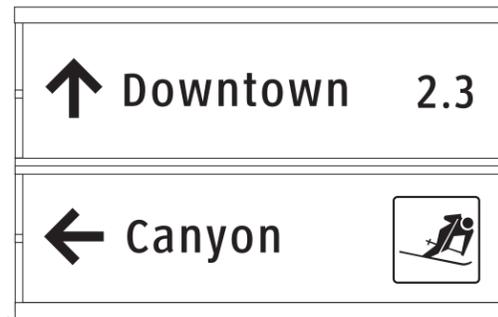
Loc. 204 VDIR.4



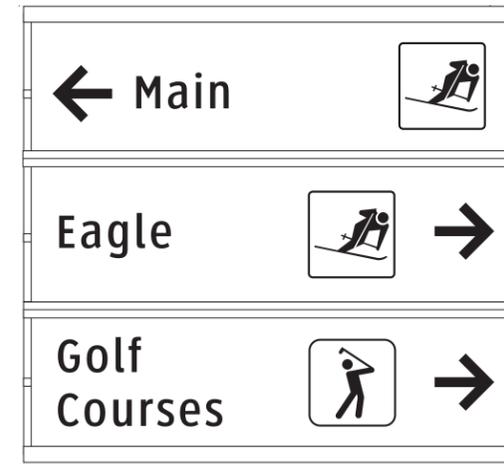
Loc. 205 VDIR.5



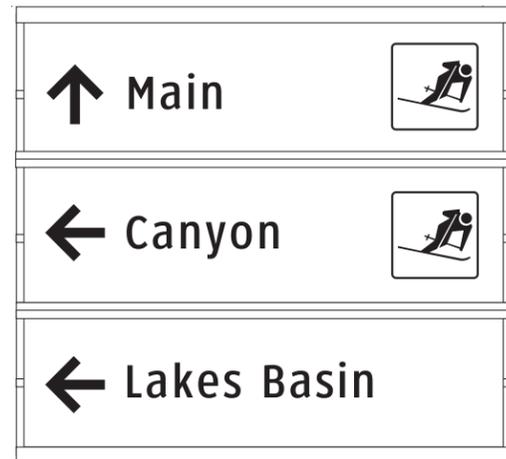
Loc. 206 VDIR.5



Loc. 207 VDIR.5



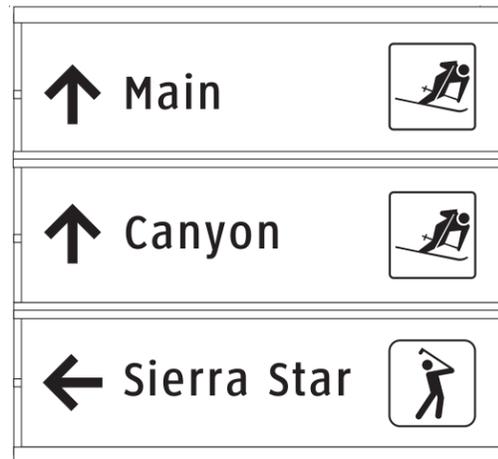
Loc. 208 VDIR.6



Loc. 209 VDIR.6



Loc. 210 VDIR.6



Loc. 211 VDIR.6



Loc. 212 VDIR.4

DATE

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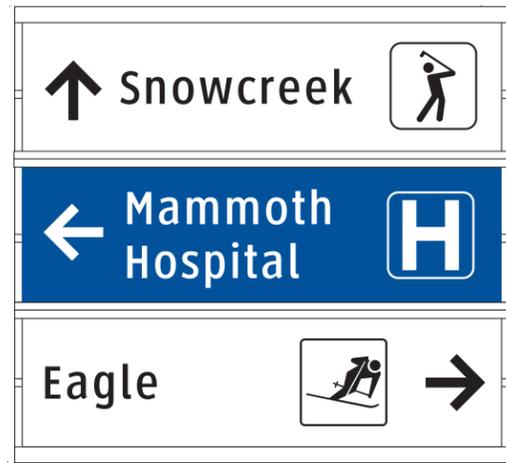
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SHEET TITLE

Sign location layouts
4v" cap height

SECTION: **D**

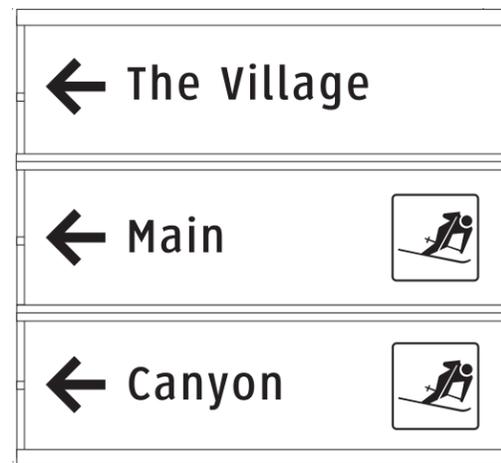
SHEET NO. **7**



Loc. 213 VDIR.6



Loc. 214 VDIR.5



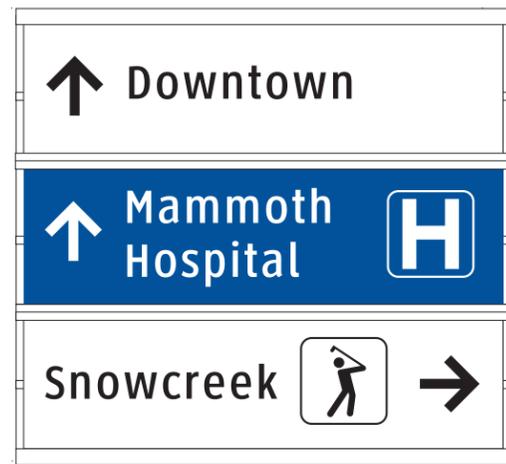
Loc. 215 VDIR.6



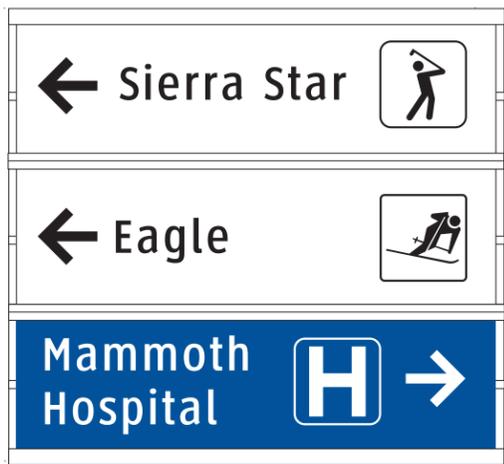
Loc. 223A VDIR.4



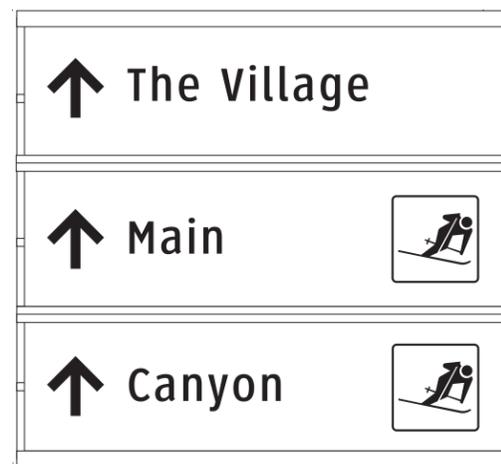
Loc. 216 VDIR.4



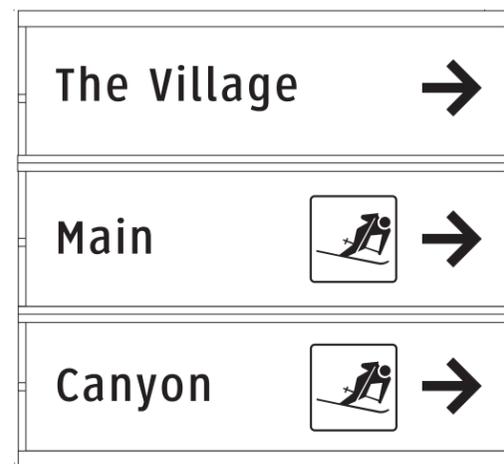
Loc. 217 VDIR.6



Loc. 218 VDIR.6



Loc. 219 VDIR.6



Loc. 220 VDIR.6



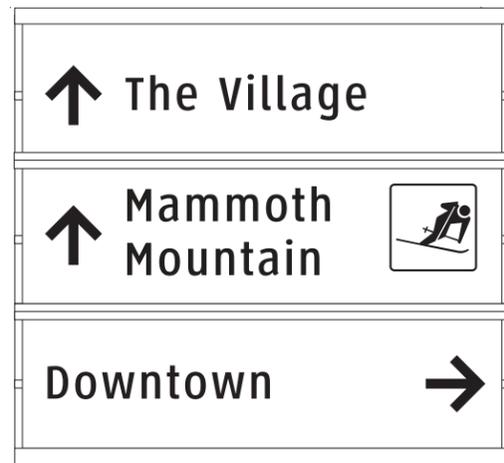
Loc. 221 VDIR.6



Loc. 222 VDIR.6



Loc. 223 VDIR.6



Loc. 224 VDIR.6

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SHEET TITLE
Sign location layouts
4" cap height

SECTION: **D**

SHEET NO.
8



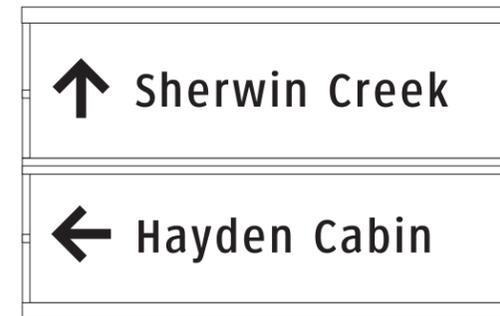
Loc. 225 VDIR.6



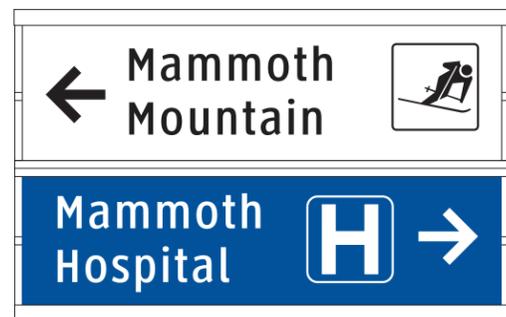
Loc. 226 VDIR.6



Loc. 227 VDIR.6



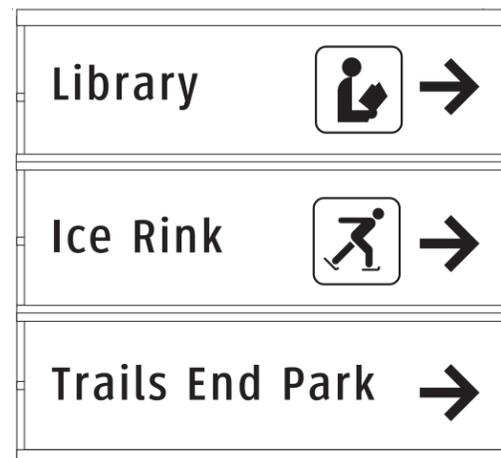
Loc. 241 VDIR.5



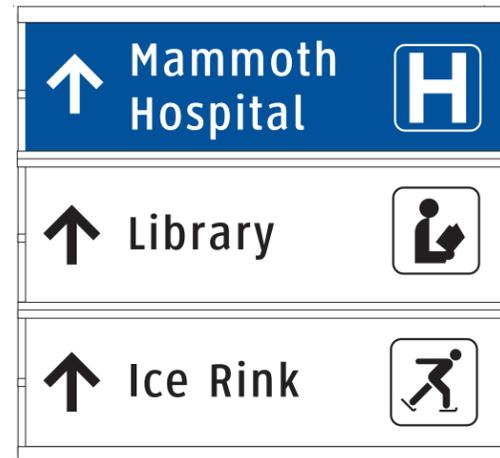
Loc. 229 VDIR.5



Loc. 228(2) VDIR.5



Loc. 230 VDIR.6



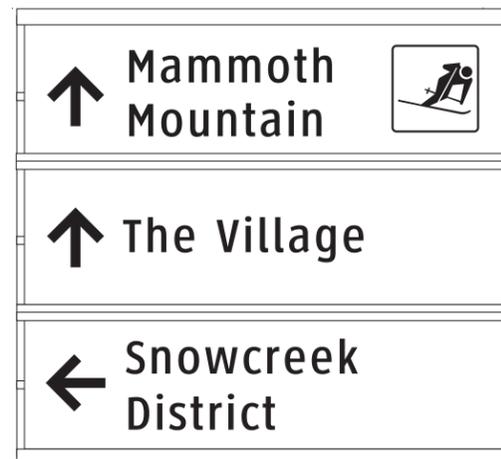
Loc. 231 VDIR.6



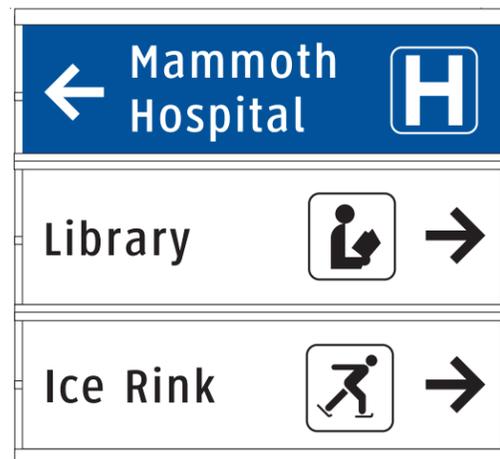
Loc. 232 VDIR.6



Loc. 233 VDIR.6



Loc. 234 VDIR.6



Loc. 235 VDIR.6

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SHEET TITLE

Sign location layouts
4" cap height

SECTION: **D**

SHEET NO. **9**



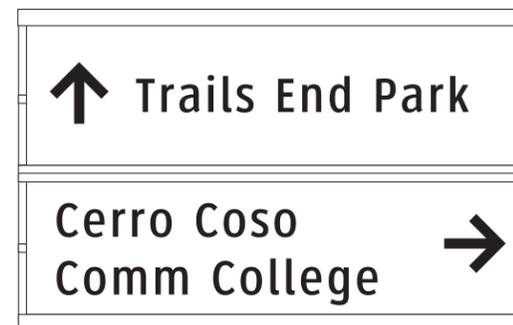
Loc. 236

VDIR.6



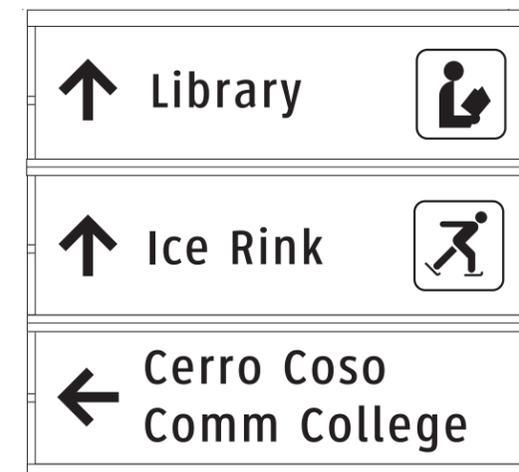
Loc. 237

VDIR.6



Loc. 239

VDIR.5



Loc. 240

VDIR.6

DATE

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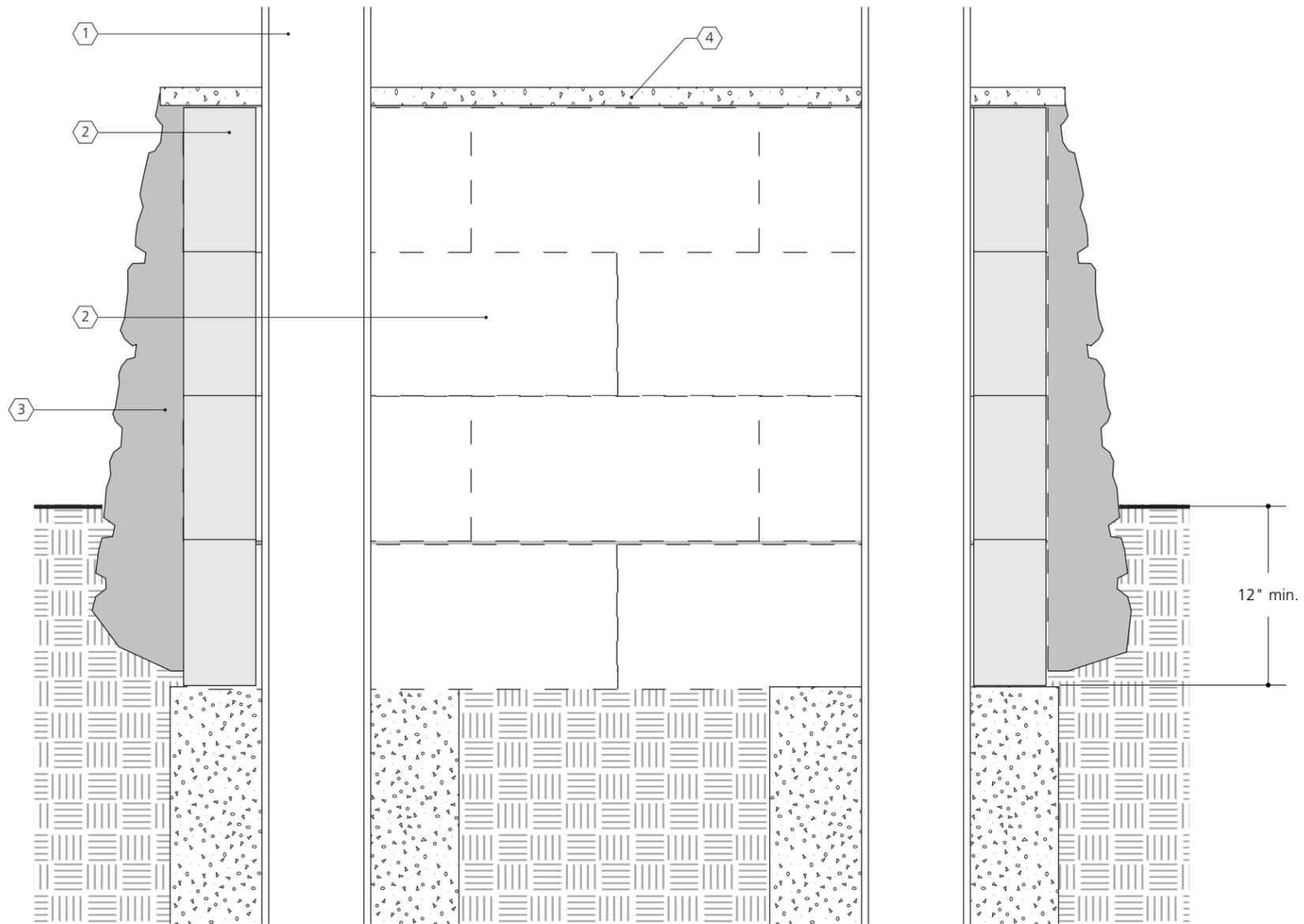
SHEET TITLE

**Sign location layouts
4" cap height**

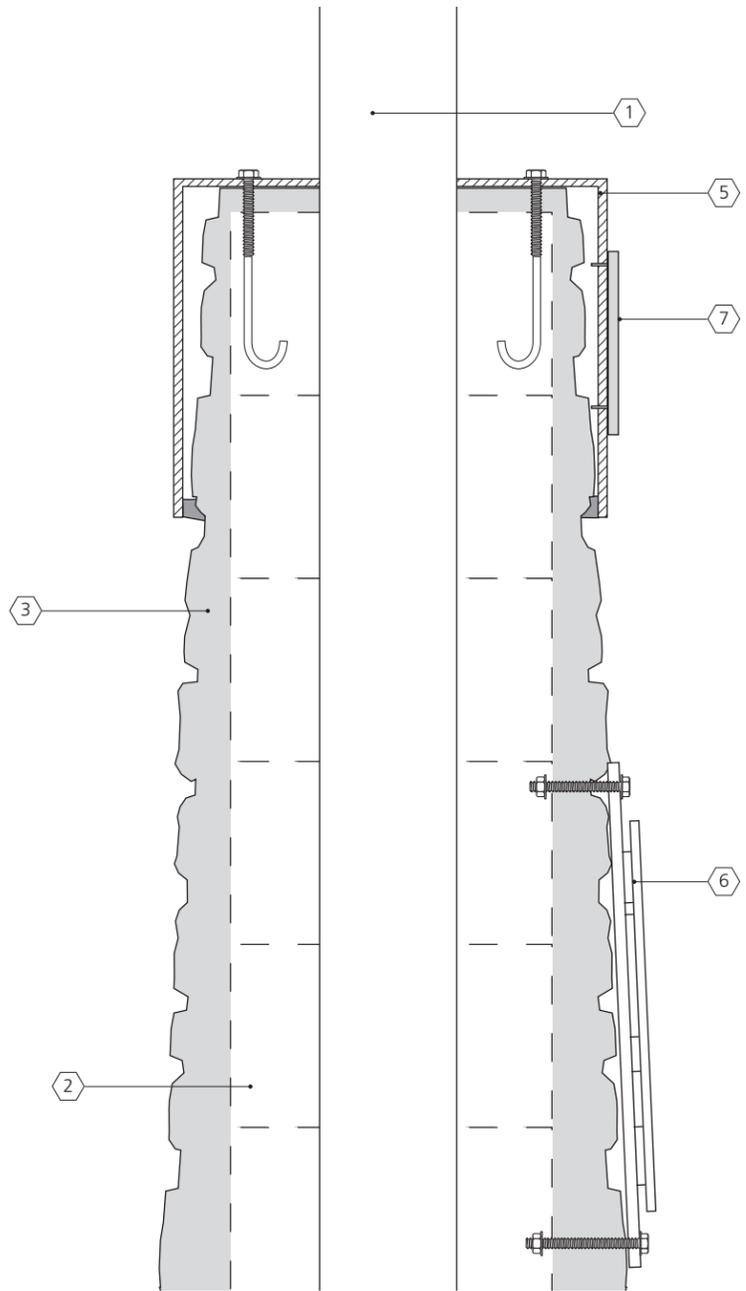
SECTION: **D**

SHEET NO.
10

E. Construction Details



1 Typ. mason base construction details
scale: 1 1/2"=1'-0"



2 Typ. mason base construction details
scale: 1 1/2"=1'-0"

- 1 Upright steel beam into concrete footers
- 2 CMU masonry wall with cast in place concrete void
- 3 Bridger Granite Veneer pattern mortared onto CMU wall
- 4 1" thick limestone cap with slight crown for drainage - grout to CMU structure - seal seams with clear silicone on inside edges
- 5 .125 alum fabricated cap bolted to anchors set in CMU wall - seal seams with clear silicone on inside edges
- 6 3/8" mill finish steel plate with water-jet cut, powder-coated steel logo mounted above plate. Plate assembly is mounted flush to stone base with mason anchor
- 7 1/4" alum cut letters pinned flush to aluminum cap

NOTES:

•Section details shown here demonstrate fabrication techniques similar to all granite veneer bases in this design set. See individual sign type drawings for structure dimensions.

• Fabrication techniques shown in drawings are for design intent only - Fabricator responsible to determine all engineering specifics and document on engineer sealed drawings, including support steel, mason wall details, anchors, and footer sizes. Fabricator drawings must uphold the visual intent of the designs shown in this set of drawings.

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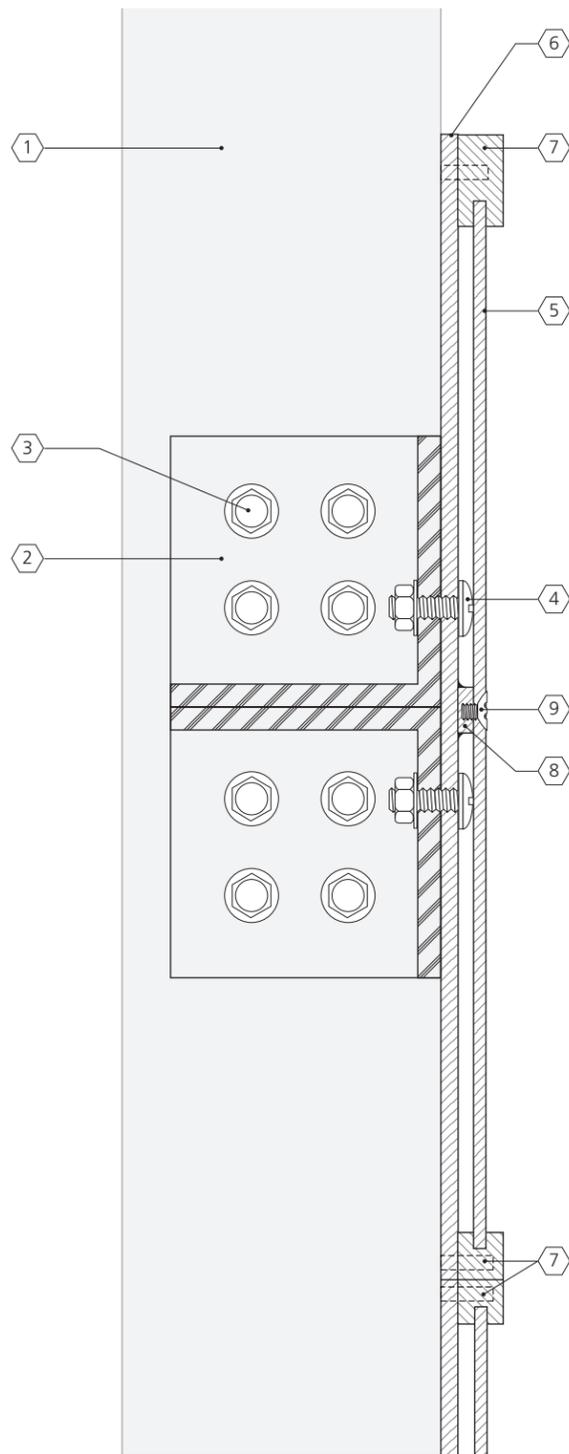
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SHEET TITLE

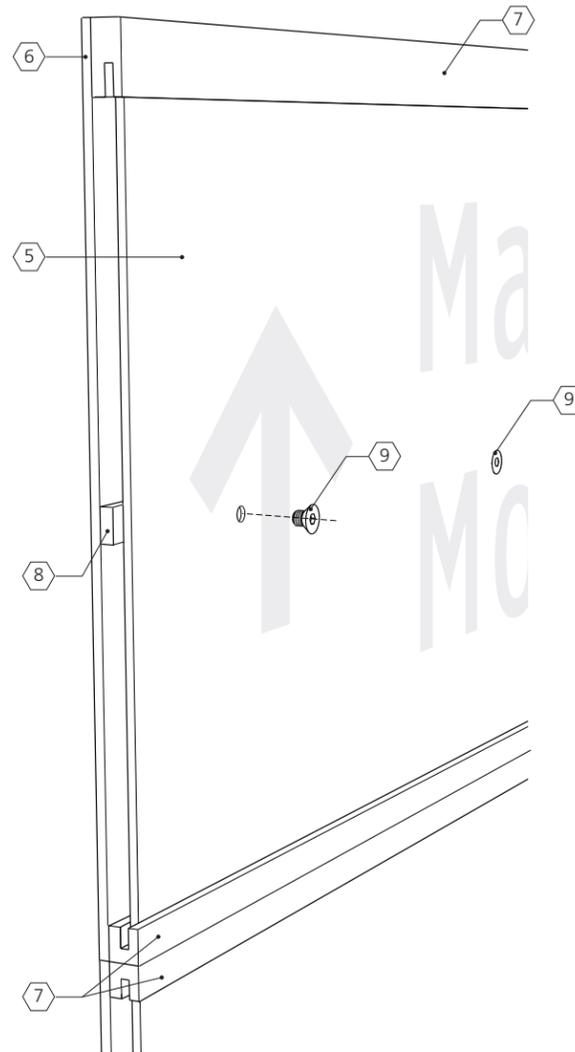
Construction Details

SECTION: **E**

SHEET NO. **1**



1 Section detail
scale: 3"=1'-0"



2 Message panel assembly detail
n t s

- 1 6" x 8" (typ) steel I-Beam with mill finish
- 2 Support bracket assembly fabricated from welded 3/8" thick steel with mill finish
- 3 3/8" zinc-plated through-bolts (do not extend bolt further than 1/2")
- 4 3/8" zinc-plated through-bolts with round cap-head fastens message panel assembly to bracket assembly
- 5 1/4" aluminum message panel
- 6 3/8" alum back panel
- 7 1" alum bar stock with routed channel - plug weld to back panel
- 8 1" x 3/8" alum bar stock wlded to back panel
- 9 Counter-sunk spannerhead fasteners hold message panel to assembly

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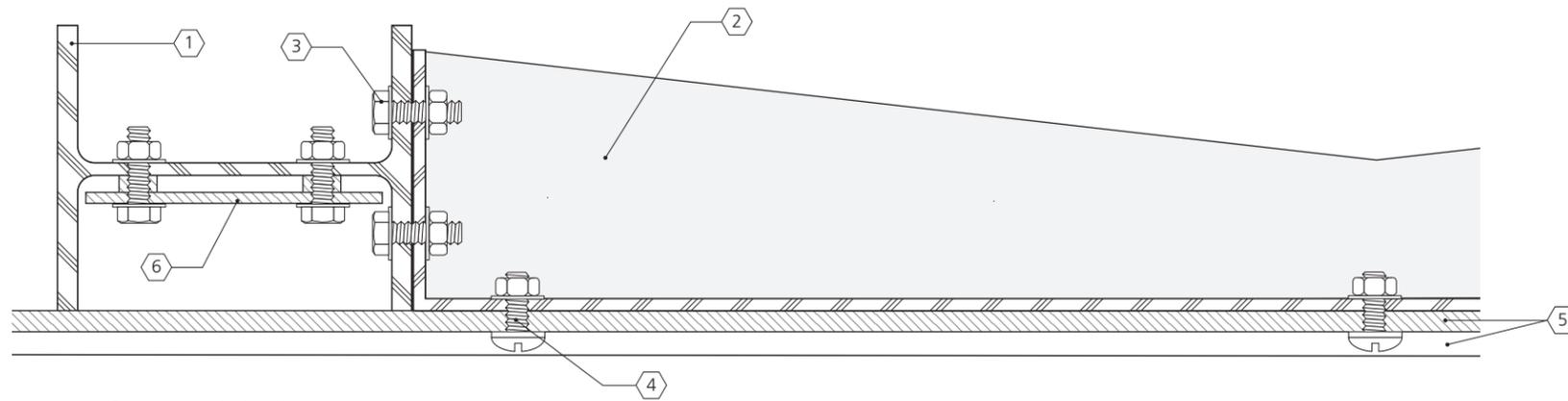
PROJECT NO.

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SHEET TITLE
Construction Details

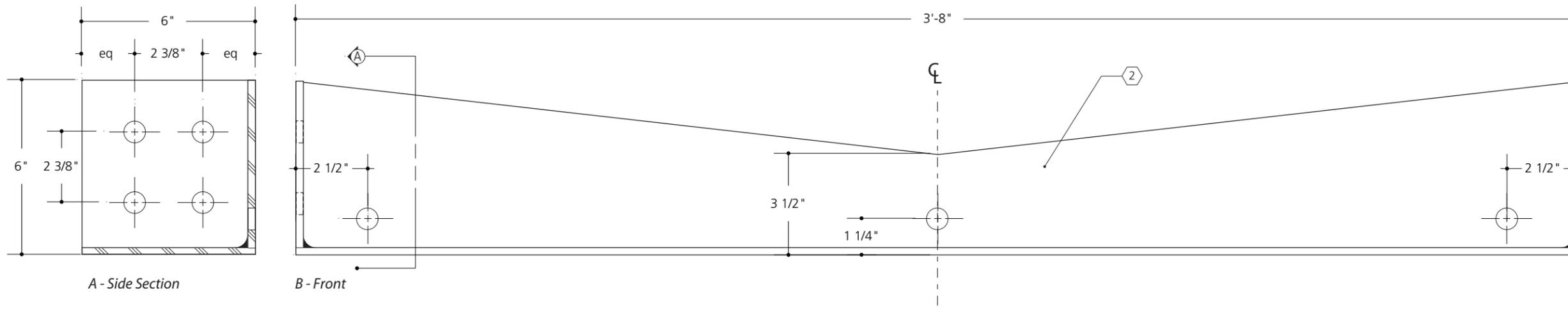
SECTION: E

SHEET NO. 2

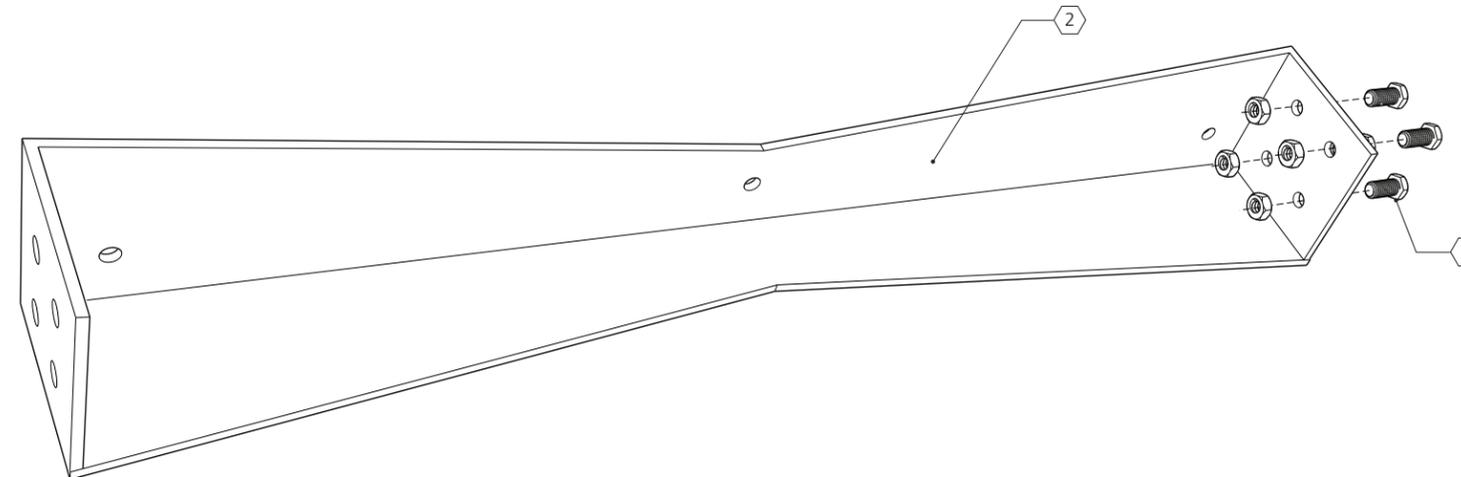


- ① 6" x 8" (typ) steel I-Beam with mill finish
- ② Support bracket assembly fabricated from welded 1/4" thick steel with mill finish
- ③ 3/8" zinc-plated through-bolts (do not extend bolt further than 1/2")
- ④ 3/8" zinc-plated through-bolts with round cap-head fastens message panel assembly to bracket assembly
- ⑤ Message panel assembly
- ⑥ 1/4" alum panel bolted offset with spacers from I-beam web with painted graphics

① Section detail
scale: 3"=1'-0"



② Elevations bracket
scale: 3"=1'-0"



③ Bracket assembly
nts

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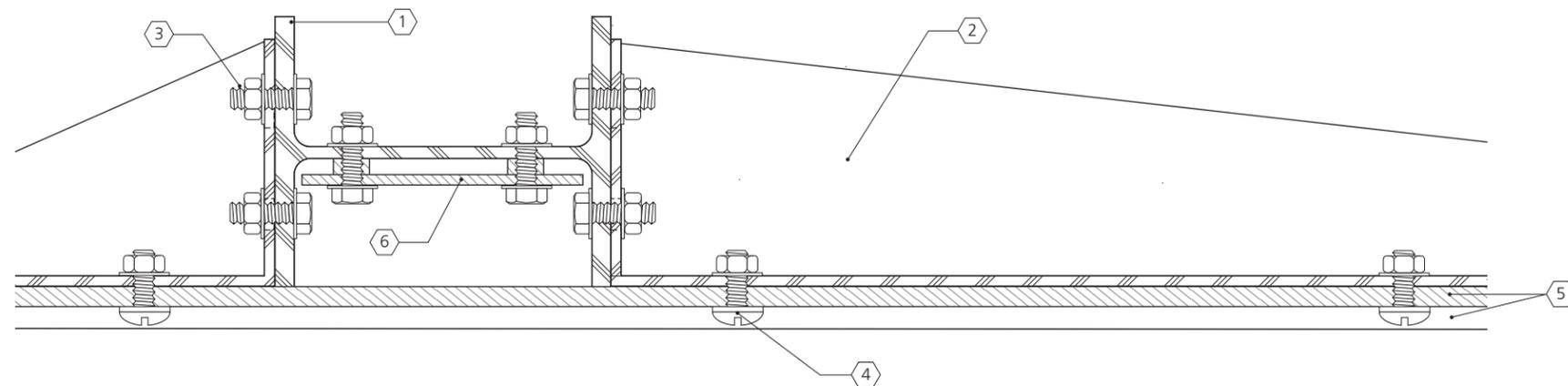
PROJECT NO.

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SHEET TITLE
Construction Details

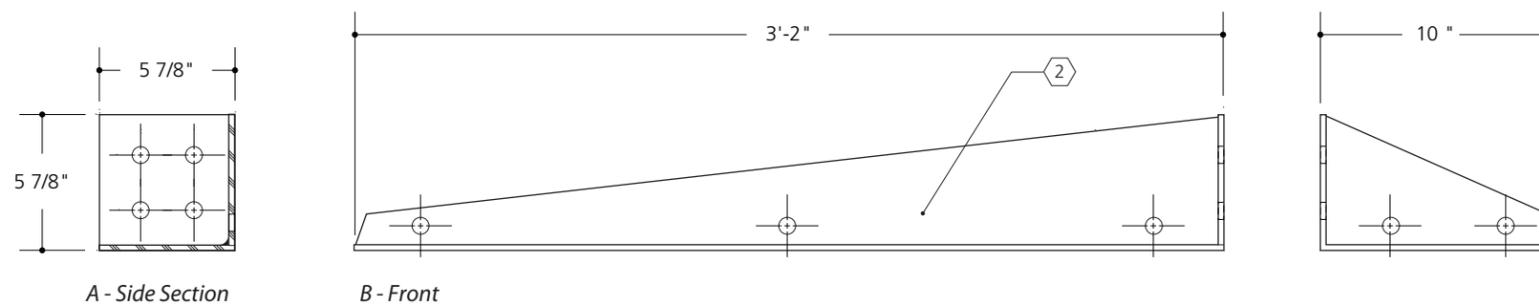
SECTION: **E**

SHEET NO.
3

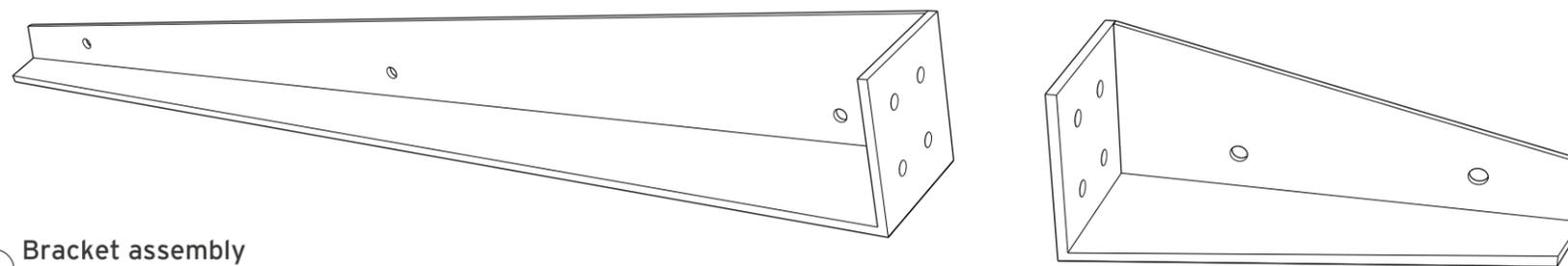


- ① 6" x 8" (typ) steel I-Beam with mill finish
- ② Support bracket assembly fabricated from welded 1/4" thick steel with mill finish
- ③ 3/8" zinc-plated through-bolts (do not extend bolt further than 1/2")
- ④ 3/8" zinc-plated through-bolts with round cap-head fastens message panel assembly to bracket assembly
- ⑤ Message panel assembly
- ⑥ 1/4" alum panel bolted offset with spacers from I-beam web with painted graphics

① Section detail
scale: 3"=1'-0"



② Elevations bracket
scale: 3"=1'-0"



③ Bracket assembly
nts

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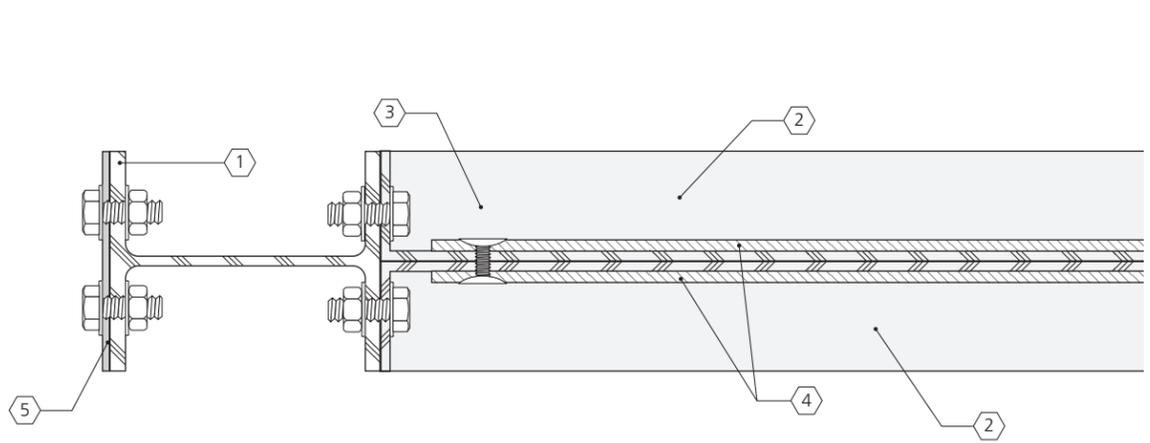
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DRAWN BY AP

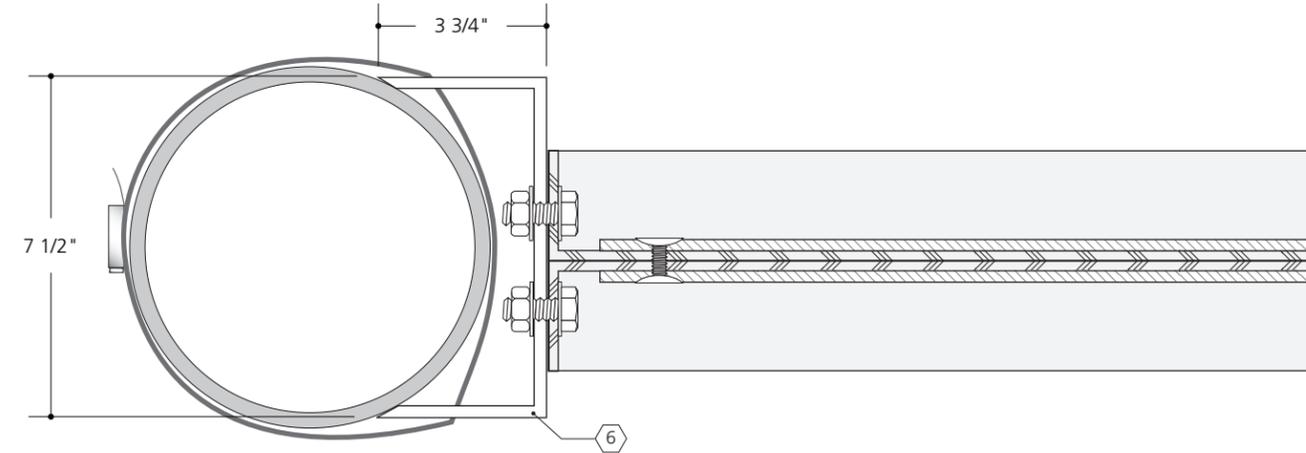
SHEET TITLE
Construction Details

SECTION: **E**

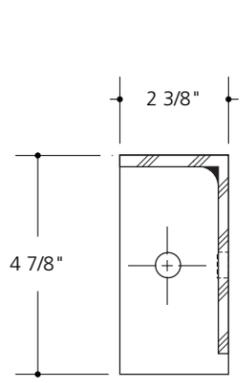
SHEET NO. **4**



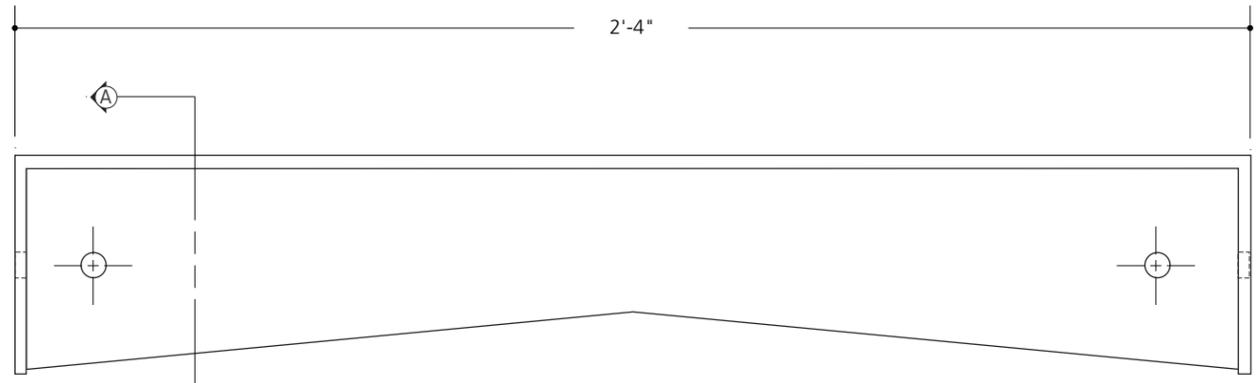
1 Section detail - plan PDIR.1
scale: 3"=1'-0"



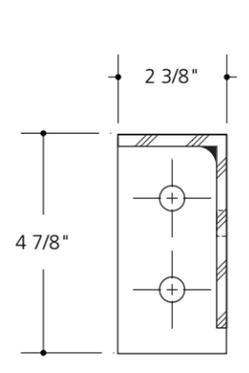
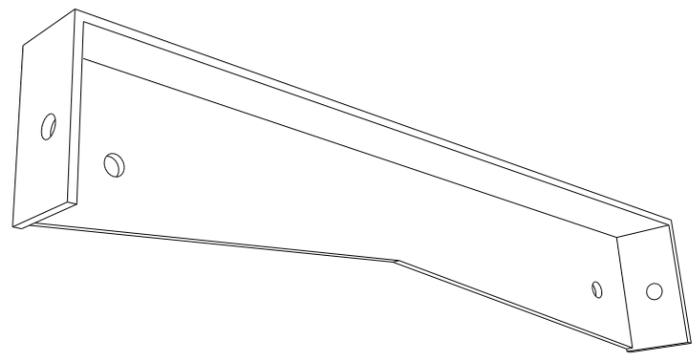
2 Section detail - plan PDIR.2
scale: 3"=1'-0"



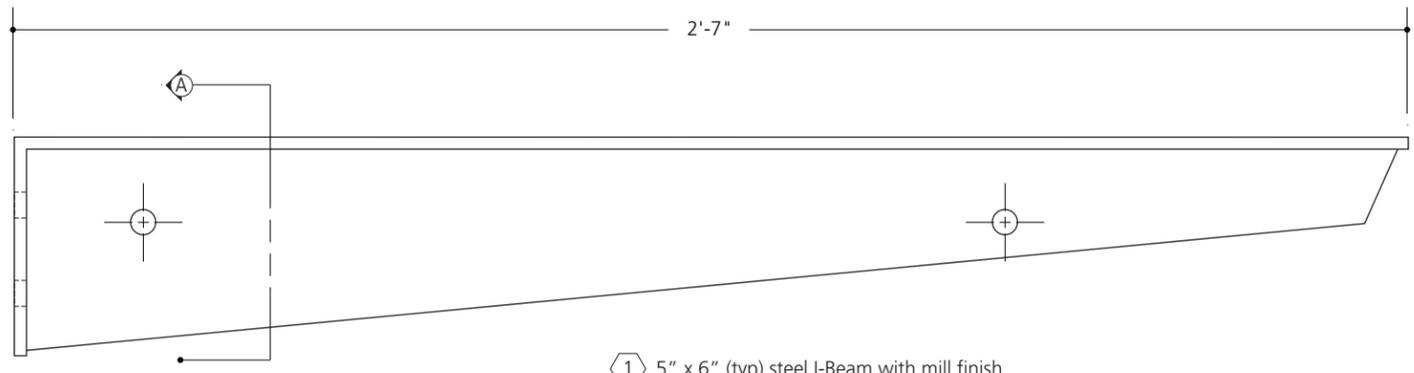
A - Side Section
KIOSK.1 bracket



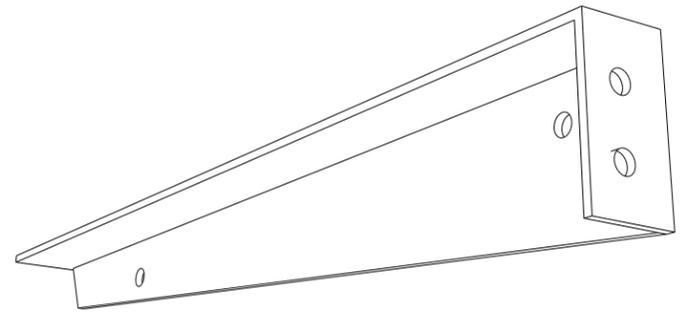
B - Front



A - Side Section
PED.1 bracket



B - Front - NOTE: Second bracket is mirror image



3 Perspective view
n t s

- 1 5" x 6" (typ) steel I-Beam with mill finish
- 2 Support bracket assembly fabricated from welded 1/4" thick steel with mill finish
- 3 3/8" zinc-plated through-bolts (do not extend bolt further than 1/2")
- 4 1/8" phenolic resin message panels fastened together with counter-sunk spannerhead fasteners
- 5 .090 alum panel with painted graphics bolted to I-beam
- 6 Support bracket assembly fabricated from welded 1/4" thick steel with mill finish - cut slots for strap mount

3 Elevations
scale: 3"=1'-0"

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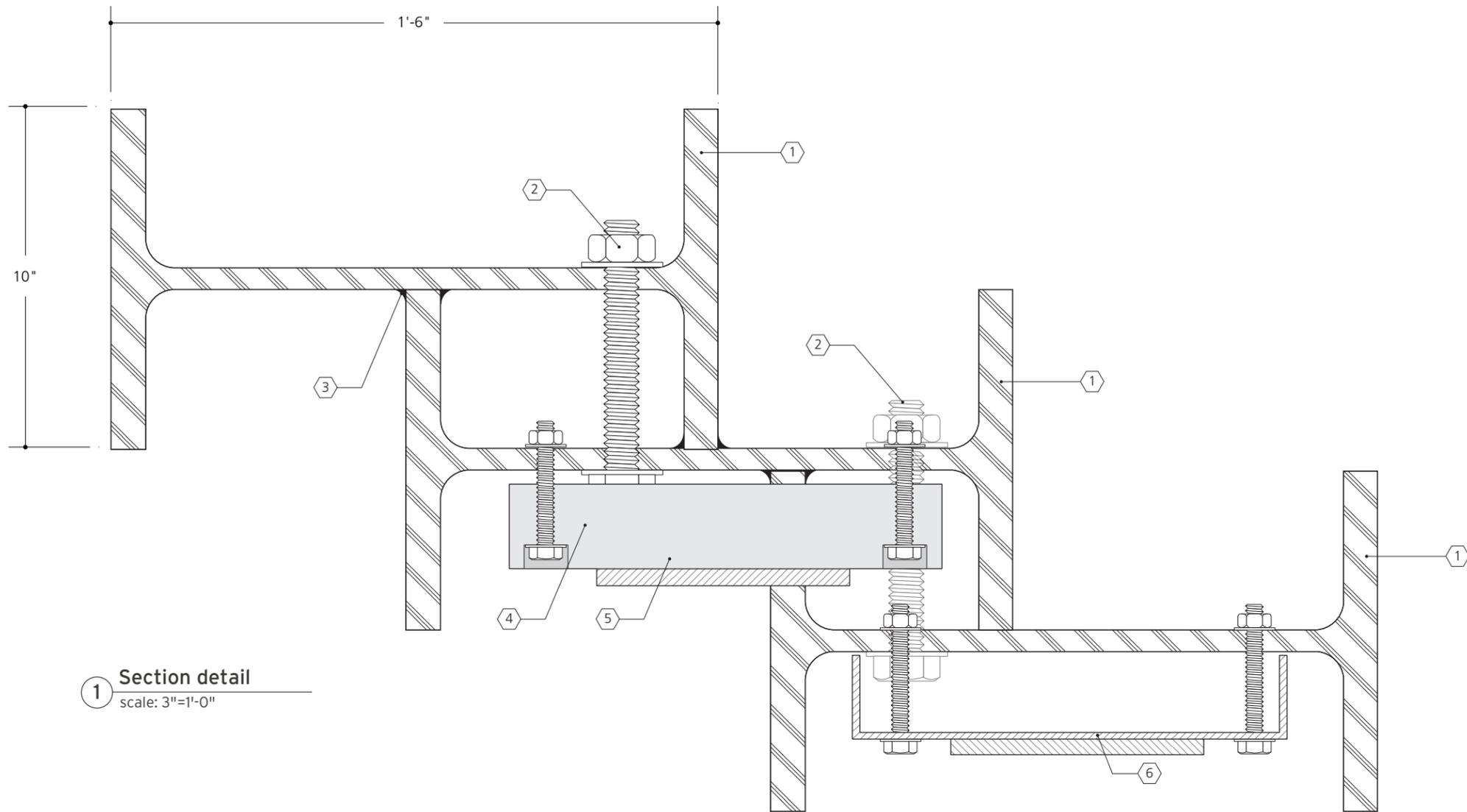
PROJECT NO.

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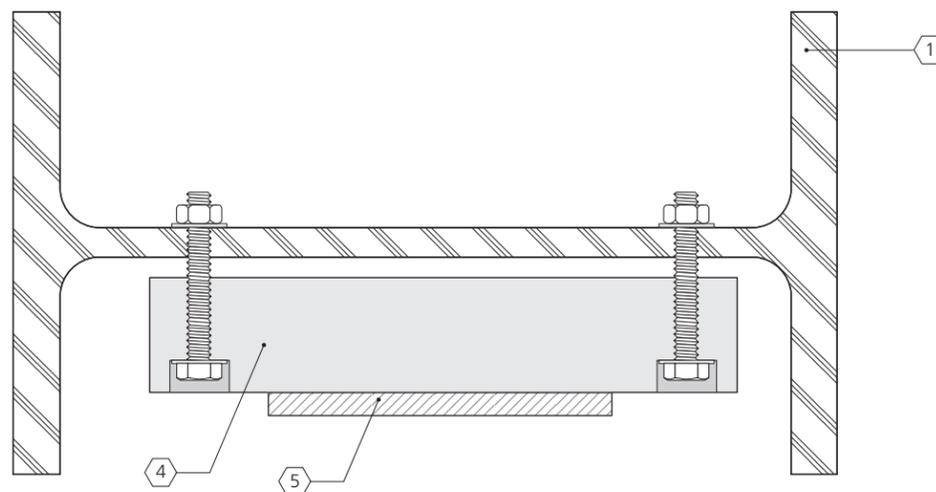
SHEET TITLE
Construction Details

SECTION: **E**

SHEET NO.
5



1 Section detail
scale: 3"=1'-0"



2 Section detail
scale: 3"=1'-0"

- ① 18" x 10" (typ) steel I-Beam with mill finish
- ② Heavy gauge bolts fasten I-beams together (1" bolt shown)
- ③ Fillet weld I-beams at connection points
- ④ 2 1/2" thick unfinished cedar plank pinned off of I-beam web with through-bolts (3/8" bolt shown)
- ⑤ 1/4" thick cut aluminum letters with clear anodized finish - flush mount
- ⑥ .125" alum pan bolted offset with spacers from I-beam web with raised alum graphics

DATE

30 JAN 2013

REVISIONS

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**City of
Mammoth
Lakes
California**

PROJECT NO.

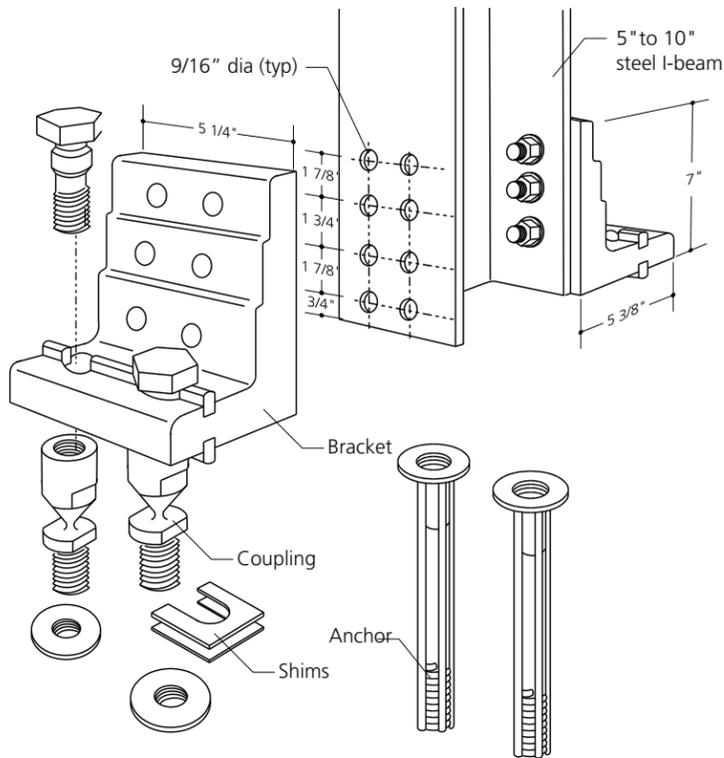
DRAWN BY AP

SHEET TITLE
Construction Details

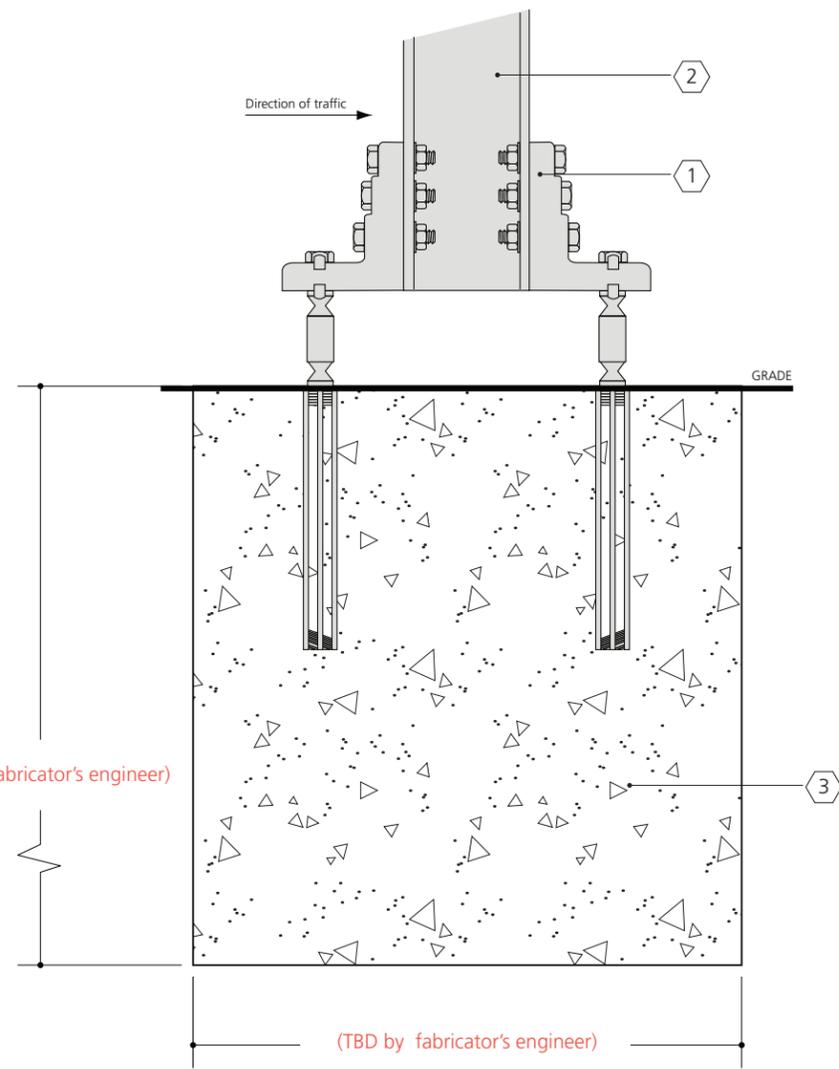
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SHEET NO. **6**

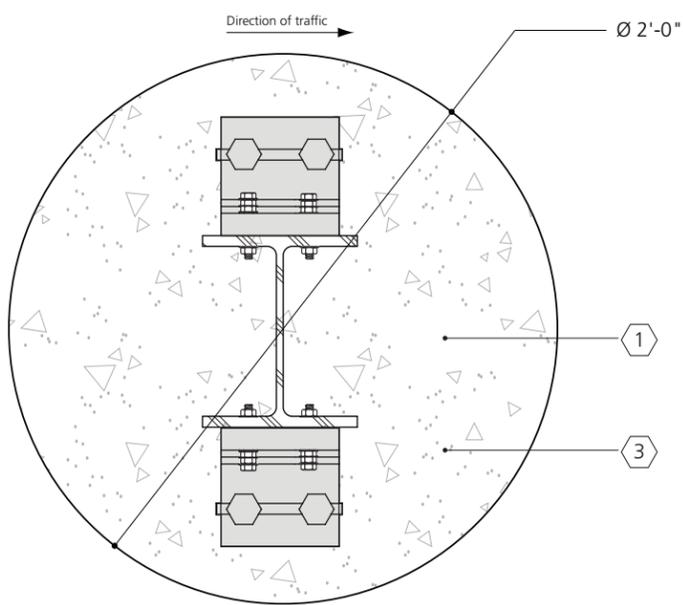
F. Footer Details



1 Detail Transpo B525 Break-away device
n t s



3 Detail - Typ footers
scale: 1 1/2"=1'-0"



2 Plan - Typ footer
scale: 1 1/2"=1'-0"

- ① Breakaway mount assembly - Transpo B525
- ② 5 1/2" x 1/4" wall sq. aluminum tube support
- ③ Poured concrete footer (3000psi) into augered hole

- NOTES:
- Details and footer dimensions must conform with CalTRANS design standards
 - Felt expansion joint filler will be used when footer is poured against adjacent concrete slabs
 - All footer shop drawings and calculations for review to have engineer seal

DATE
30 JAN 2013

REVISIONS

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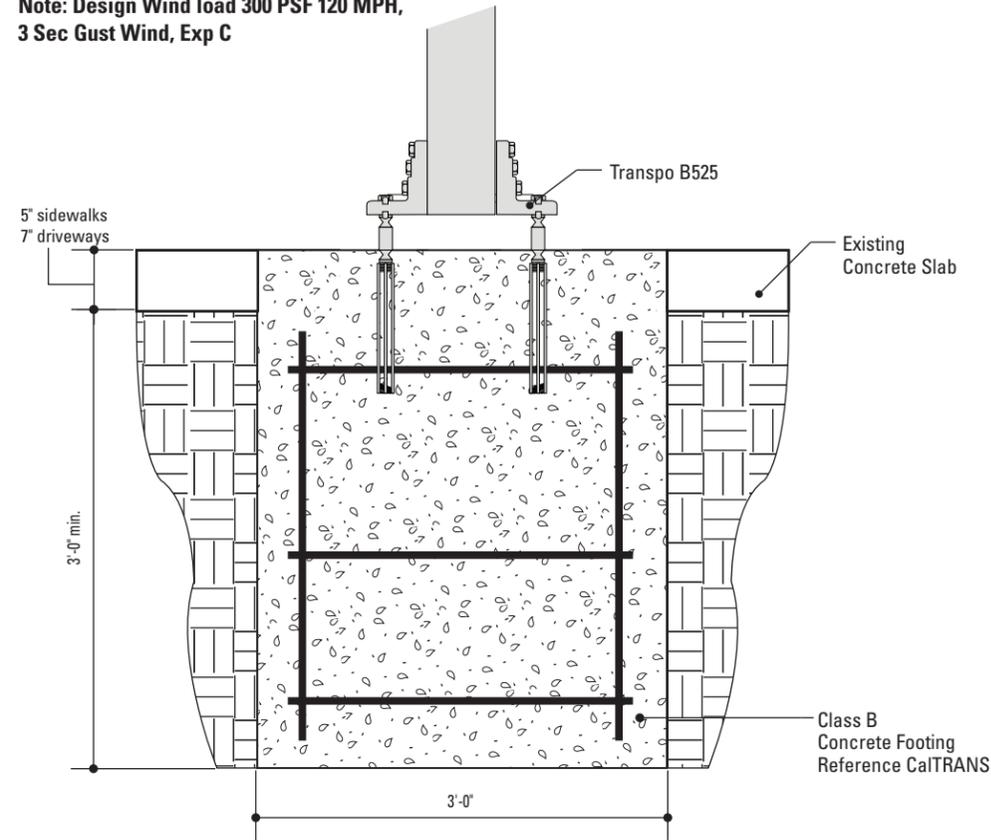
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SHEET TITLE
Transpo B5-25 Breakaway footer detail

SECTION: **F**

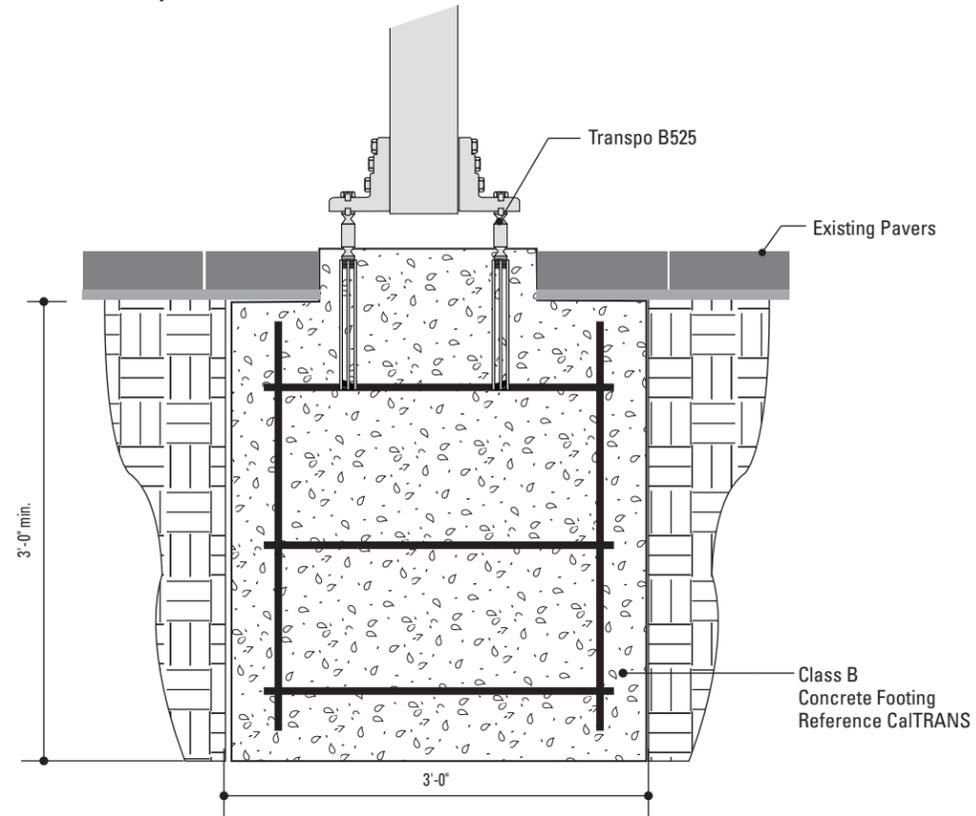
SHEET NO. **1**

Note: Design Wind load 300 PSF 120 MPH,
3 Sec Gust Wind, Exp C



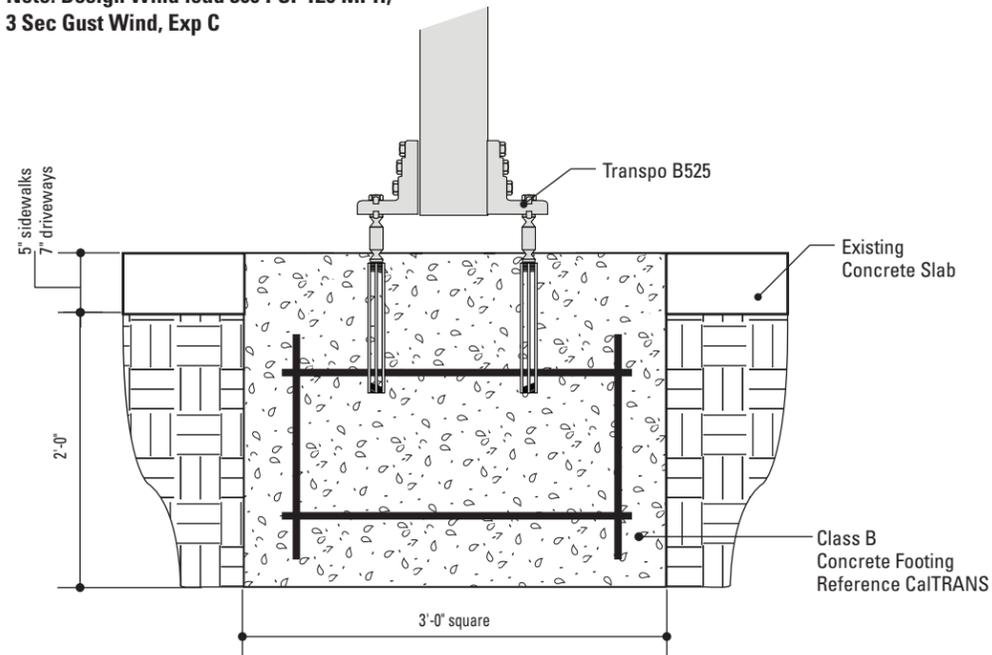
1 Section View: Foundation @ Concrete
SCALE: 3/4" = 1'-0"

Note: Design Wind load 300 PSF 120 MPH,
3 Sec Gust Wind, Exp C



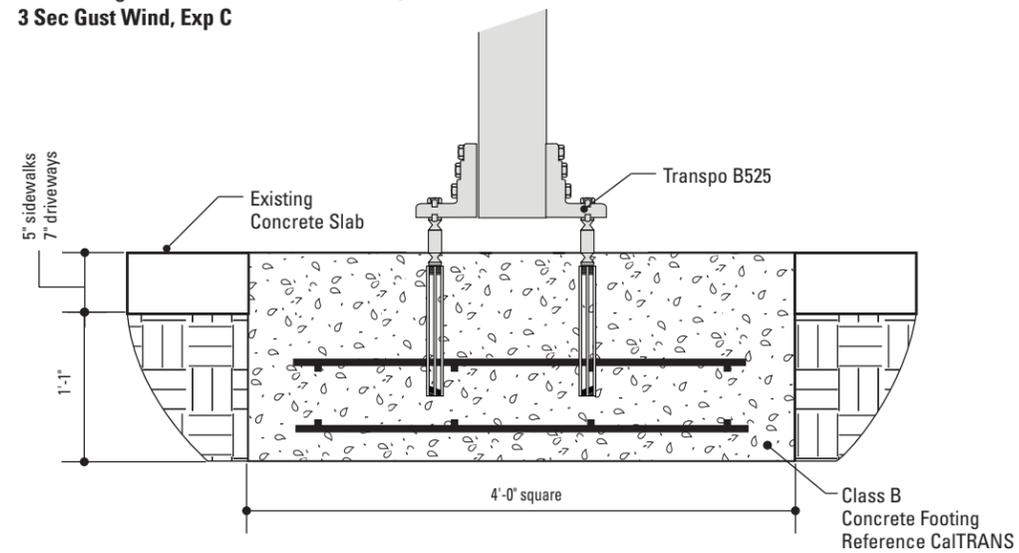
2 Section View: Foundation @ Pavers
SCALE: 3/4" = 1'-0"

Note: Design Wind load 300 PSF 120 MPH,
3 Sec Gust Wind, Exp C



3 Section View: Foundation: Shallow Depth
SCALE: 3/4" = 1'-0"

Note: Design Wind load 300 PSF 120 MPH,
3 Sec Gust Wind, Exp C



4 Section View: Foundation: Extremely Shallow Depth
SCALE: 3/4" = 1'-0"

DATE

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REVISIONS

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SHEET TITLE
Concrete footer
options

SECTION: **F**

SHEET NO. **2**