

# MICHIGAN STATE UNIVERSITY



## Exterior Sign Standards

REVISED February 28, 2018

REVISIONS AND CLARIFICATIONS  
February 24, 2025

Prepared by

**corbindesign**

**People get lost. We fix that.®**

109 East Front Suite 304  
Traverse City, MI 49684  
231 947.1236

All ideas, designs, arrangements and plans indicated or represented by these drawings are owned by, and property of Michigan State University and Corbin Design and were created, evolved and developed for use on and in connection with the specified project. None of such ideas, designs, arrangements or plans shall be used by or disclosed to any person, firm or corporation for any purpose whatsoever without the written permission of Corbin Design and Michigan State University.

# Table of Contents

|                                         |                                                    |    |        |                                                |                                   |    |
|-----------------------------------------|----------------------------------------------------|----|--------|------------------------------------------------|-----------------------------------|----|
| Graphic Standards                       |                                                    |    | 3      | Ix-6                                           | Building ID – Large, Freestanding | 24 |
| Dx-1                                    | Pedestrian Map                                     | 4  | Ix-6n  | Building ID – Large, Freestanding              | 25                                |    |
| Dx-1n                                   | Pedestrian Map                                     | 5  | Ix-7   | Building ID – Small, Freestanding              | 26                                |    |
| Pedestrian Map Installation Guidelines  |                                                    |    | 6      | Ix-7n                                          | Building ID – Small, Freestanding | 27 |
| Dx-2                                    | Pedestrian Map – Retrofit                          | 7  | Ix-8   | Building ID – Individual Letters               | 29                                |    |
| Gx-1                                    | Vehicular Guide – Large                            | 8  | Ix-8   | Building ID – Individual Letters, Illuminated  | 30                                |    |
| Gx-1n                                   | Vehicular Guide – Large                            | 9  | Ix-9   | Building ID – Wall-mounted                     | 31                                |    |
| Gx-2                                    | Vehicular Guide – Medium                           | 10 | Ix-10  | Building Entrance ID – Glass or Wall-mounted   | 32                                |    |
| Gx-2n                                   | Vehicular Guide – Medium                           | 11 | Ix-10a | Building Entrance ID – Address Option          | 33                                |    |
| Gx-3                                    | Vehicular Guide – Small                            | 12 | Ix-10b | Building Entrance ID – Freestanding Pedestrian | 34                                |    |
| Gx-3n                                   | Vehicular Guide – Small                            | 13 | Ix-11  | Building Entrance ID – Vinyl on Glass          | 35                                |    |
| Vehicular Guide Installation Guidelines |                                                    |    | 14     | Ix-12                                          | Street Name Sign                  | 36 |
| Gx-4                                    | Vehicular Guide – Trailblazer                      | 15 | Ix-13  | District Banner                                | 37                                |    |
| Gx-5                                    | Pedestrian Guide – New Post                        | 16 | Ix-14  | Spartan Logo                                   | 38                                |    |
| Gx-6                                    | Pedestrian Guide – Existing Post                   | 17 | Ix-15  | Spartan Logo, Vinyl                            | 39                                |    |
| Ix-1                                    | Boundary Marker                                    | 18 | Px-1   | Parking ID – Large                             | 40                                |    |
| Ix-2                                    | Gateway – Large                                    | 19 | Px-2   | Parking ID – Medium                            | 41                                |    |
| Ix-3                                    | Gateway – Small                                    | 20 | Px-3   | Parking ID – Small                             | 42                                |    |
| Ix-5                                    | Building ID – Large, Freestanding – Illuminated    | 21 | Px-3s  | Parking ID – Small, Existing Pole              | 43                                |    |
| Ix-5n                                   | Building ID – Large, Freestanding – Illuminated    | 22 | Px-4   | Parking Garage ID – Large/Small                | 44                                |    |
| Ix-5a                                   | Building ID – Large, Multiple Panels – Illuminated | 23 | Rx-1/2 | Regulatory                                     | 45                                |    |
|                                         |                                                    |    |        | Fabrication Specifications                     | 46                                |    |

# Wayfinding Core Team

## Michigan State University

### Campus Planning & Administration

Steve Troost, *Campus Planner*

### Engineering and Architectural Services

Deb Kinney, *Senior Landscape Architect*

### Landscape Services

Adam Lawver, *Director of Campus Services*

### Facilities Planning & Space Management

Barb Kranz, *Director*

### Auxiliary Enterprises

Jane Emery, *Strategic Initiatives Manager, Residential and Hospitality Services*

Kathy Collins, *Director, Campus Living Services and Residential Life*

### Intercollegiate Athletics

Greg Ianni, *Deputy Athletics Director*

### Communications and Brand Strategy

Cindy Lounsbery, *Publication Design Coordinator*

### MSU Police and Public Safety

Stephanie O'Donnell, *University Traffic Engineer*

### Land Management

Chuck Reid, *Director*

### Resource Center for Persons with Disabilities

John Pedraza, *Disability Resource Coordinator*

## Corbin Design, Wayfinding Consultants

Clint Douthitt, *Senior Designer*

Thomas Stevens, *Project Manager*

**MATERIALS AND FINISHES**  
Fabricator is responsible for supplying samples for all colors within the palette.

|                                                                                                                                                                                                                                                                                                                                                                  |  |  |   |  |  |  |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                                                                                                                                                                  | 01 Dark Green                                                                     | 02 Patina Green                                                                   | 03 Lime Green                                                                       | 04 White                                                                            | 05 Black                                                                            | 06 Red                                                                              | 07 Silver Gray                                                                      |
| Paint*:<br>Pantone®:<br>Powder Coat:                                                                                                                                                                                                                                                                                                                             | MP16081 Bronx Zoo Green<br>567<br>---                                             | MP13485 Green Plaza<br>623<br>PPG Duranar or A.N. Interpon                        | MP11856 Laser Lime<br>369<br>---                                                    | MP27386 Verizon White<br>---<br>---                                                 | MP30116 Black<br>---<br>PPG Duranar or A.N. Interpon Equiv.                         | MP150026 Firebreathing Red<br>186<br>---                                            | Brushed aluminum<br>---<br>---                                                      |
| Opaque Vinyl:<br>Translucent Vinyl:<br>Reflective Vinyl:                                                                                                                                                                                                                                                                                                         | 3M 7725-276 Bottle Green<br>---<br>3M CTSF Program match Pantone 567              | ---<br>---<br>---                                                                 | 180C-196 Apple Green<br>3730-106L Brilliant Green<br>CTSF Program match Pantone 369 | 3M 180C-10<br>---<br>3M 3200 Engr. or 3930 HIP                                      | 180C-12 Black<br>---<br>---                                                         | 7725-263 Perfect Match Red<br>3730-33L Red<br>CTSF Program match Pantone 186        | ---<br>3M Fasara SH2MLCRX Milky Crystal**<br>---                                    |
| Notes:<br>* All paint finishes to have Matthews Super Satin Clear for the following benefits: <ul style="list-style-type: none"><li>• 10-Year chalk resistance</li><li>• Superior UV resistance</li><li>• Exceptional gloss retention</li><li>• Mar and abrasion resistant</li><li>• Dirt-shedding</li></ul> ** Must be applied in full/large sheet applications |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |

**SYMBOLS**  
Available as vector artwork in this manual for all project related symbols.

|                                                                                    |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                      |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|  |  |  |  |  |  |  |
| Parking<br>[P]                                                                     | Visitor<br>Parking<br>[V]                                                         | Commuter<br>Parking<br>[C]                                                        | Employee<br>Parking<br>[F]                                                        | Barrier-Free<br>[BF]                                                              | Dining<br>[FOOD]                                                                   | Information<br>[i]                                                                   |

**TYPOGRAPHY**  
Fabricator is responsible for acquiring project related fonts.

Gotham XNarrow

Aa Bb Cc Dd Ee Ff Gg Hh Ii Jj Kk Ll Mm Nn Oo Pp Qq Rr Ss Tt Uu Vv Ww Xx Yy Zz 1234567890

Gotham Bold

Aa Bb Cc Dd Ee Ff Gg Hh Ii Jj Kk Ll Mm Nn Oo Pp Qq Rr Ss Tt Uu Vv Ww Xx Yy Zz 1234567890

Gotham Medium

Aa Bb Cc Dd Ee Ff Gg Hh Ii Jj Kk Ll Mm Nn Oo Pp Qq Rr Ss Tt Uu Vv Ww Xx Yy Zz 1234567890

Californian Bold

AA BB CC DD EE FF GG HH II JJ KK LL MM NN OO PP QQ RR SS TT UU VV WW XX YY ZZ 0123456789

**LOGOS**  
MSU will provide vector artwork for all project related logos.



MICHIGAN STATE  
UNIVERSITY

Wordmark/Helmet Combination

MICHIGAN STATE  
UNIVERSITY

Wordmark Only



Helmet Only

Sign Type

Graphic Standards

Fabricator is responsible for matching all colors and materials as specified and are required to provide color and material samples to Corbin for approval.

**CAUTION!**  
**CONSISTENT AND ACCURATE COLOR REPRODUCTION IN THIS DOCUMENT CANNOT BE ASSURED DUE TO THE LIMITATIONS OF COLOR COPYING TECHNOLOGY.**

The Coated Pantone Matching System®, Matthews and/or Akzo Nobel Paint system is used for specifying signage color matches.  
(In the absence of actual sign material color chip reference sets, actual specified product color swatches should be referenced for color matching.)

Shown here are approximations of the primary signage background colors and supporting accent colors. Actual color finishes on signage must be matte or low luster (not shiny or glossy unless otherwise noted) and exclusively a premium acrylic polyurethane.

Signage paints produced by Matthews Paint Company (MPC) and Akzo Nobel Paint Company (AN) are considered to be the standard reference.

Vinyl Films from 3M Graphics are considered to be the standard reference.

*Color application varies per sign type. Refer to drawings for appropriate application.*

| Date    | Description      |
|---------|------------------|
| 7.21.15 | Standards Manual |
| 11.6.15 | Revised          |
| 2.28.18 | Revised          |

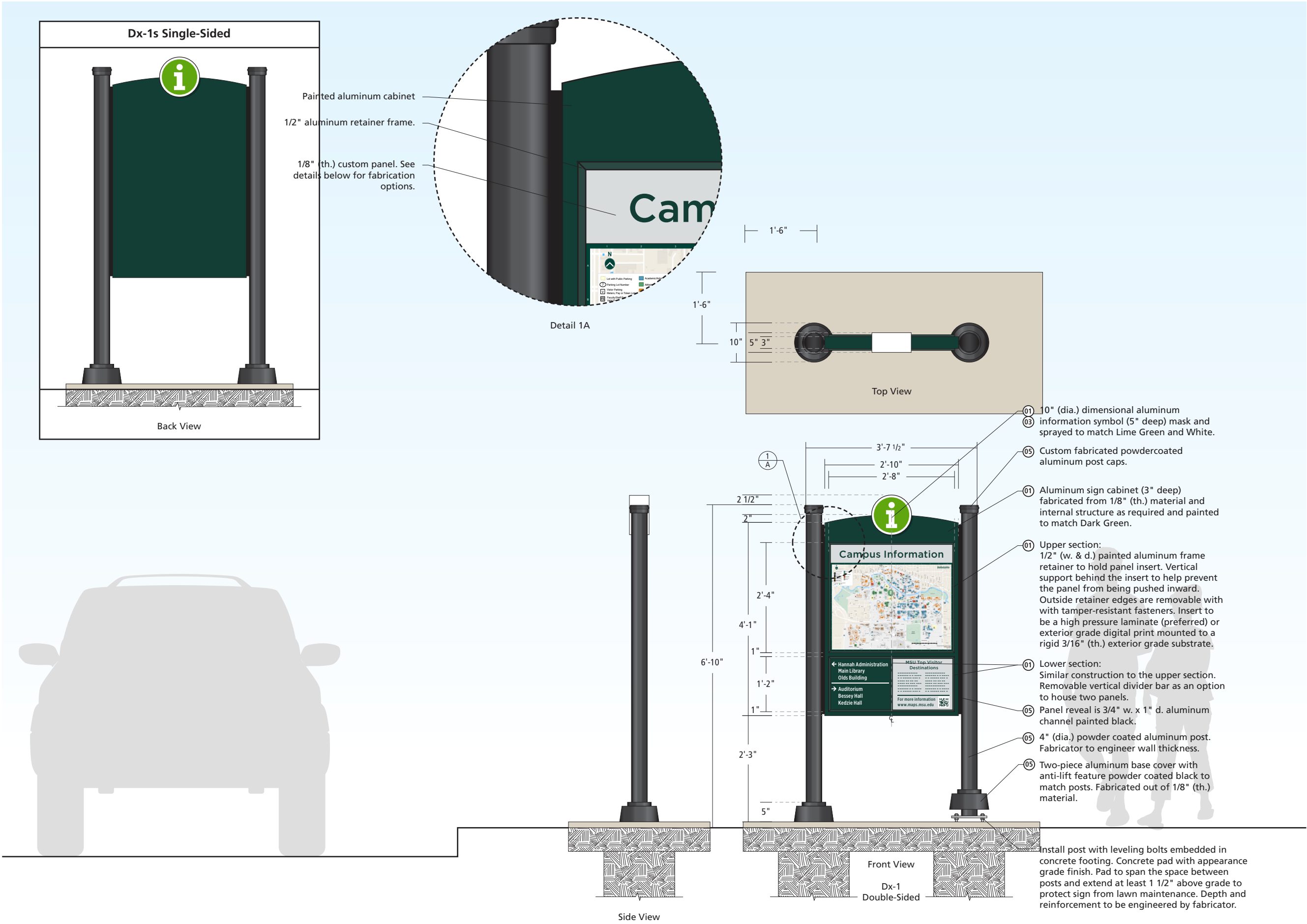
Client

MICHIGAN STATE  
UNIVERSITY

>

corbindesign

109 East Front Suite 304  
Traverse City, MI 49684  
231 947.1236



Sign Type

Dx-1, Dx-1s

Pedestrian Map

Scale

1/2" = 1'-0"  
(on an 11 x 17 sheet)

Color Code

- 01 Dark Green
- 02 Patina Green
- 03 Lime Green
- 04 White
- 05 Black
- 06 Red
- 07 Silver Gray

Notes

This drawing is design-intent only. Fabricator is responsible for fabrication and overall level of quality. Any changes in design, materials, fabrication method or other details must be approved by Corbin Design and Michigan State University.

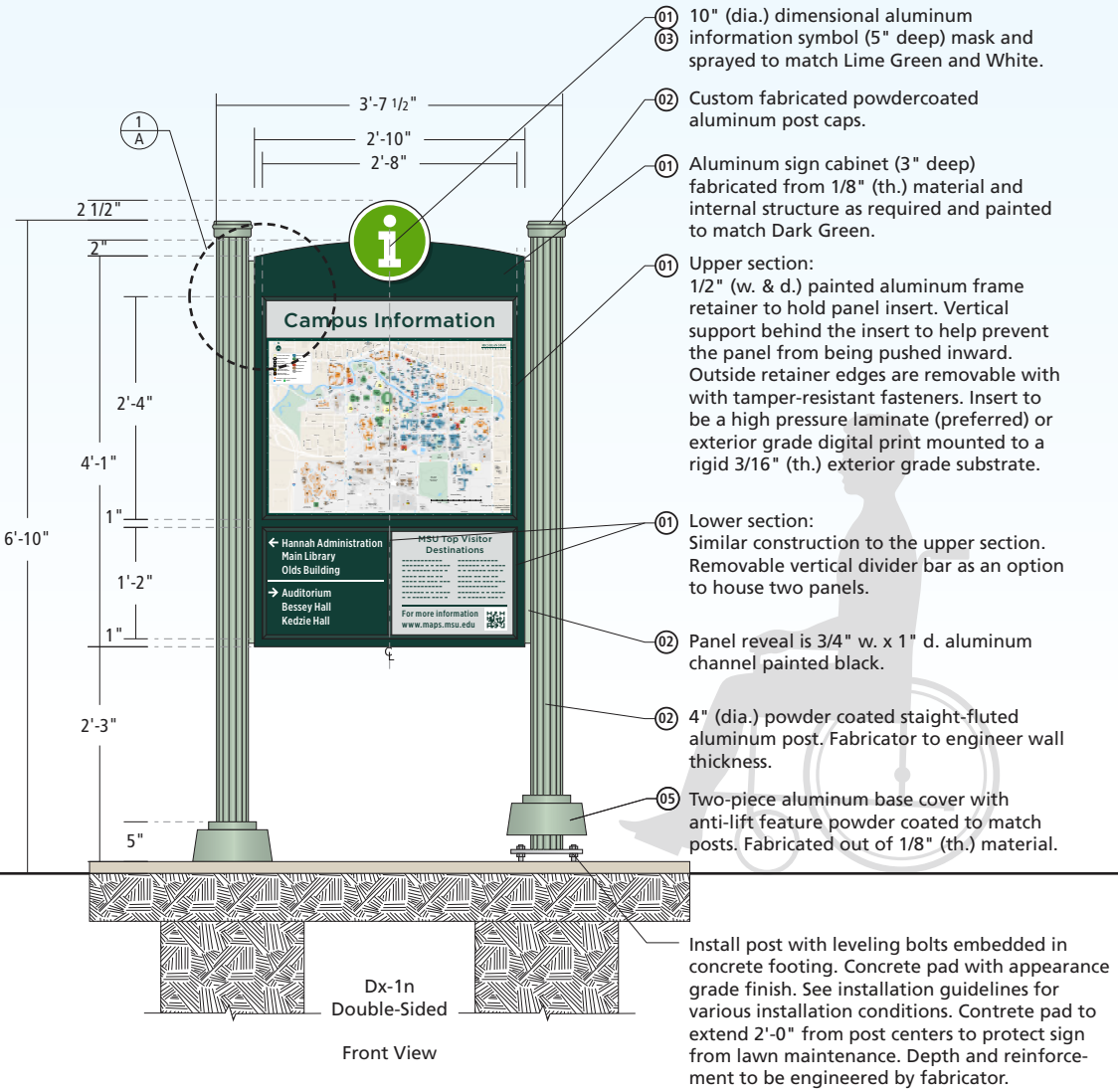
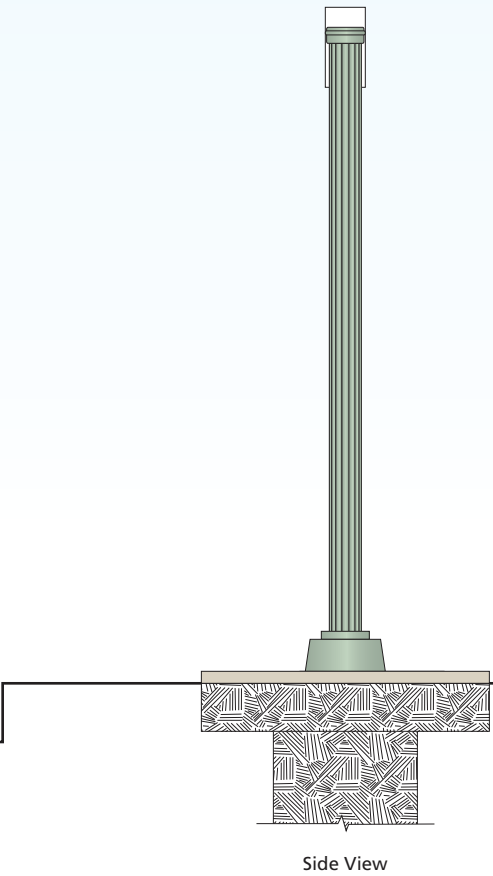
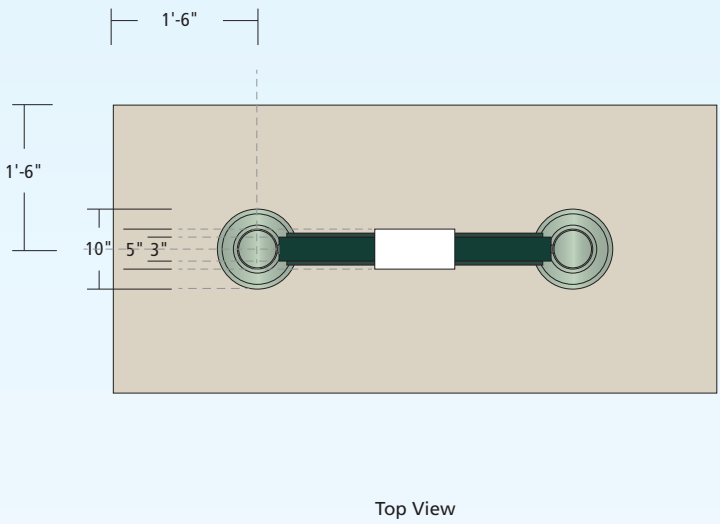
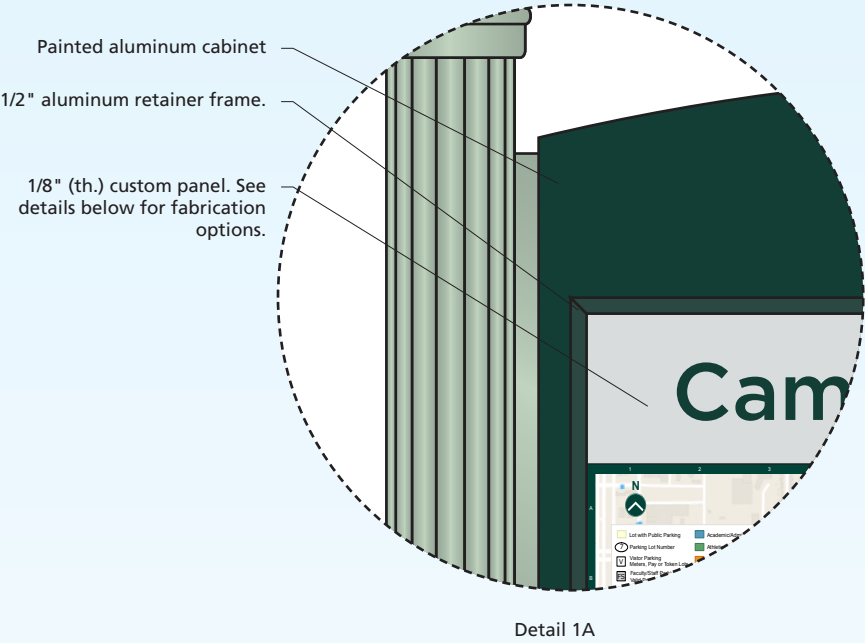
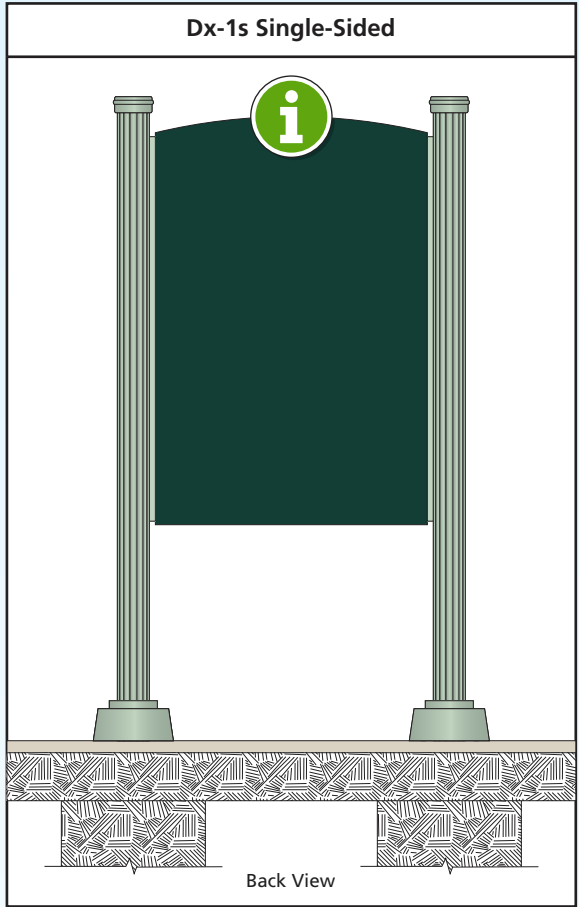
| Date    | Description      |
|---------|------------------|
| 7.21.15 | Standards Manual |
| 11.6.15 | Revised          |
| 2.28.18 | Revised          |

Client

MICHIGAN STATE  
UNIVERSITY

corbindesign

109 East Front Suite 304  
Traverse City, MI 49684  
231 947.1236



Sign Type

**Dx-1n/Dx-1ns**

Pedestrian Map

Scale

1/2" = 1'-0"  
(on an 11 x 17 sheet)

Color Code

- 01 Dark Green
- 02 Patina Green
- 03 Lime Green
- 04 White
- 05 Black
- 06 Red
- 07 Silver Gray

Notes

This drawing is design-intent only. Fabricator is responsible for fabrication and overall level of quality. Any changes in design, materials, fabrication method or other details must be approved by Corbin Design and Michigan State University.

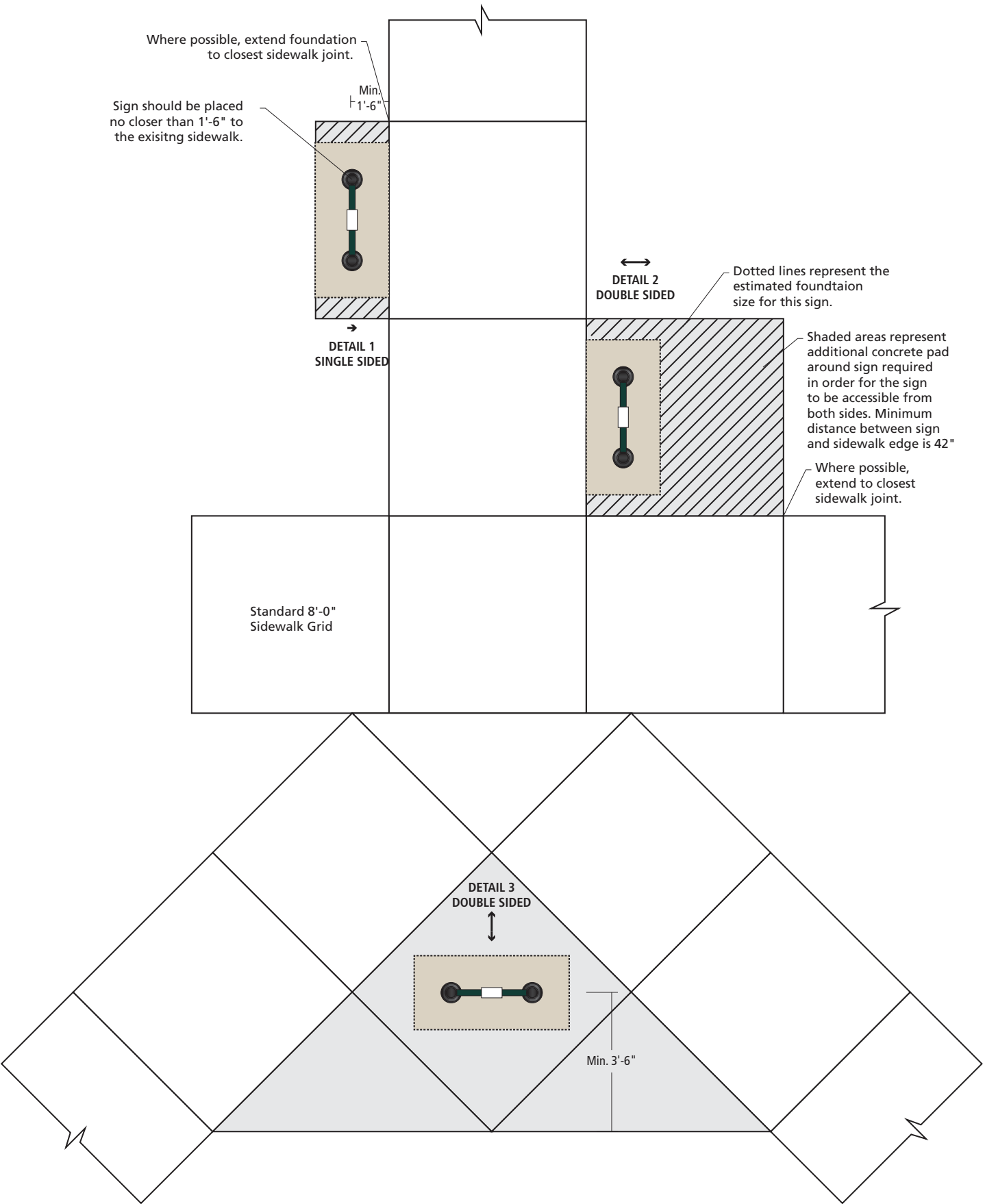
| Date    | Description      |
|---------|------------------|
| 7.21.15 | Standards Manual |
| 11.6.15 | Revised          |
| 2.28.18 | Revised          |

Client

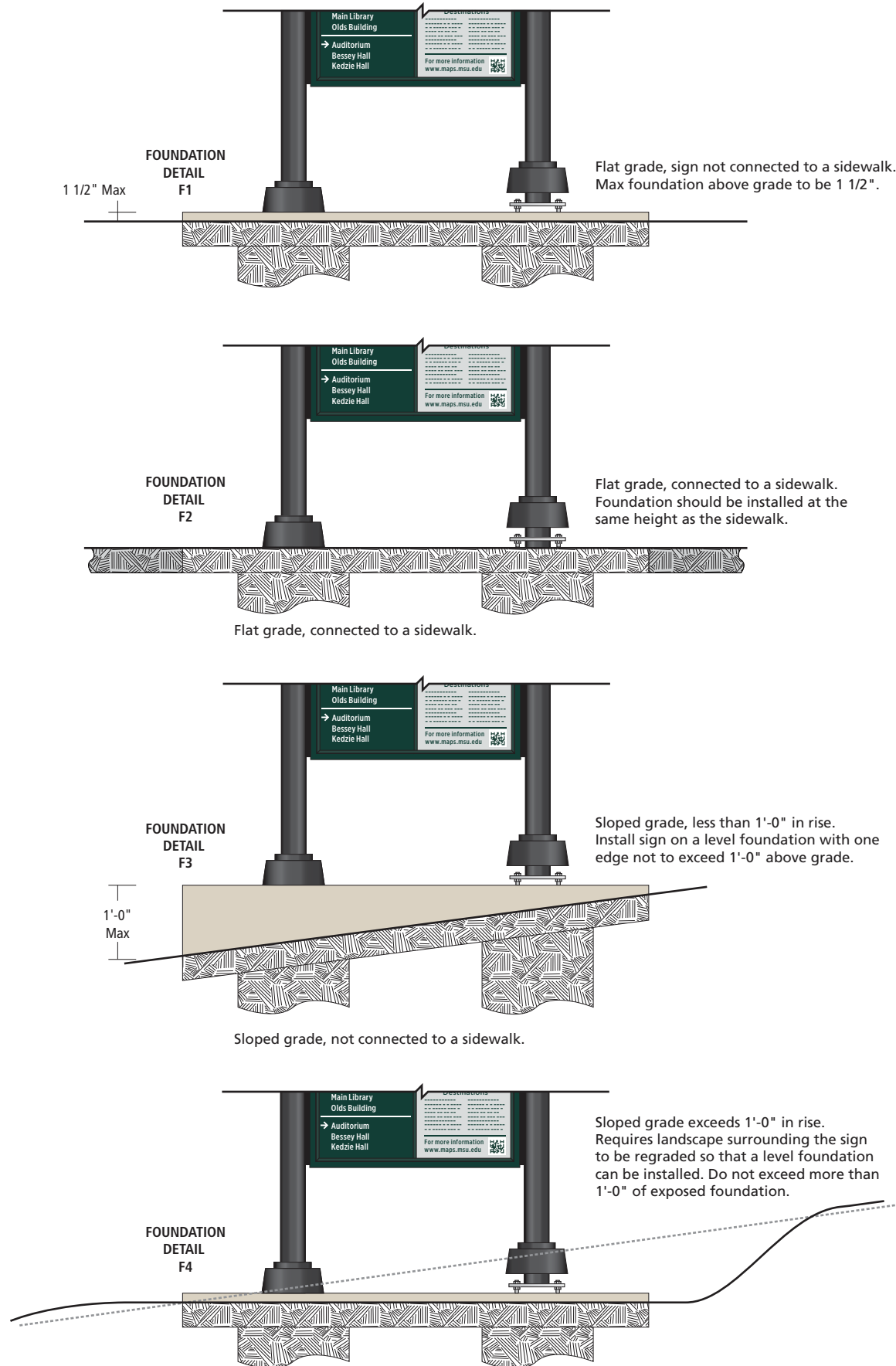
**MICHIGAN STATE**  
UNIVERSITY

**corbindesign**

109 East Front Suite 304  
Traverse City, MI 49684  
231 947.1236



Typical Sign Placement Diagram



Sign Type

Dx-1/1n

ADA Accessible Pad and Installation Guidelines

Scale

NTS

Color Code

01

Dark Green

02

Patina Green

03

Lime Green

04

White

05

Black

06

Red

07

Silver Gray

Notes

This drawing is design-intent only. Fabricator is responsible for fabrication and overall level of quality. Any changes in design, materials, fabrication method or other details must be approved by Corbin Design and Michigan State University.

| Date    | Description      |
|---------|------------------|
| 7.21.15 | Standards Manual |
| 11.6.15 | Revised          |
| 2.28.18 | Revised          |

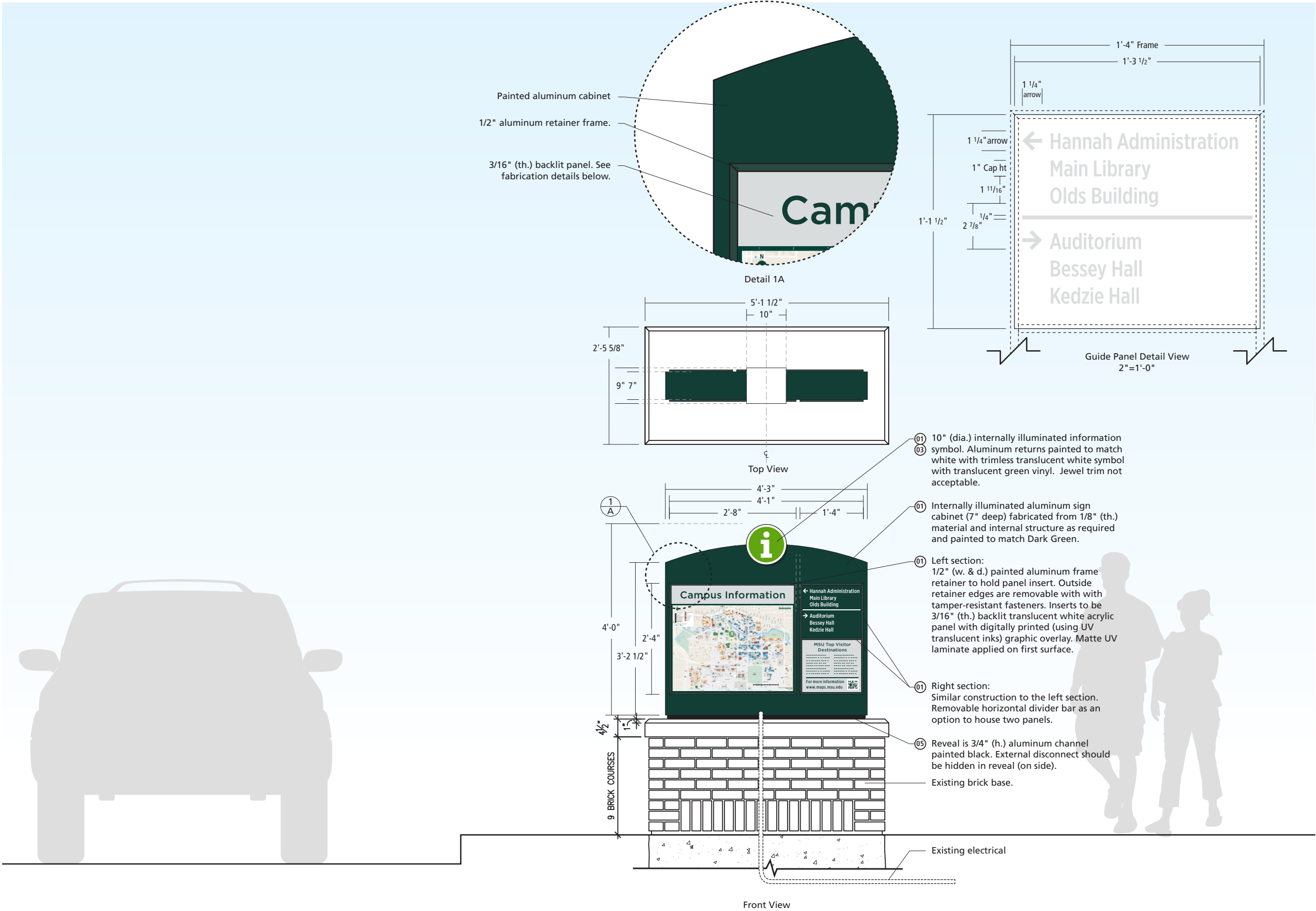
Client

MICHIGAN STATE UNIVERSITY

>

corbindesign

109 East Front Suite 304  
Traverse City, MI 49684  
231 947.1236



Sign Type

Dx-2

Pedestrian Map – Retrofit

Scale

1/2" = 1'-0"  
(on an 11 x 17 sheet)

Color Code

- 01 Dark Green
- 02 Patina Green
- 03 Lime Green
- 04 White
- 05 Black
- 06 Red
- 07 Silver Gray

Notes

This drawing is design-intent only. Fabricator is responsible for fabrication and overall level of quality. Any changes in design, materials, fabrication method or other details must be approved by Corbin Design and Michigan State University.

| Date    | Description      |
|---------|------------------|
| 7.21.15 | Standards Manual |
| 11.6.15 | Revised          |
| 2.28.18 | Revised          |

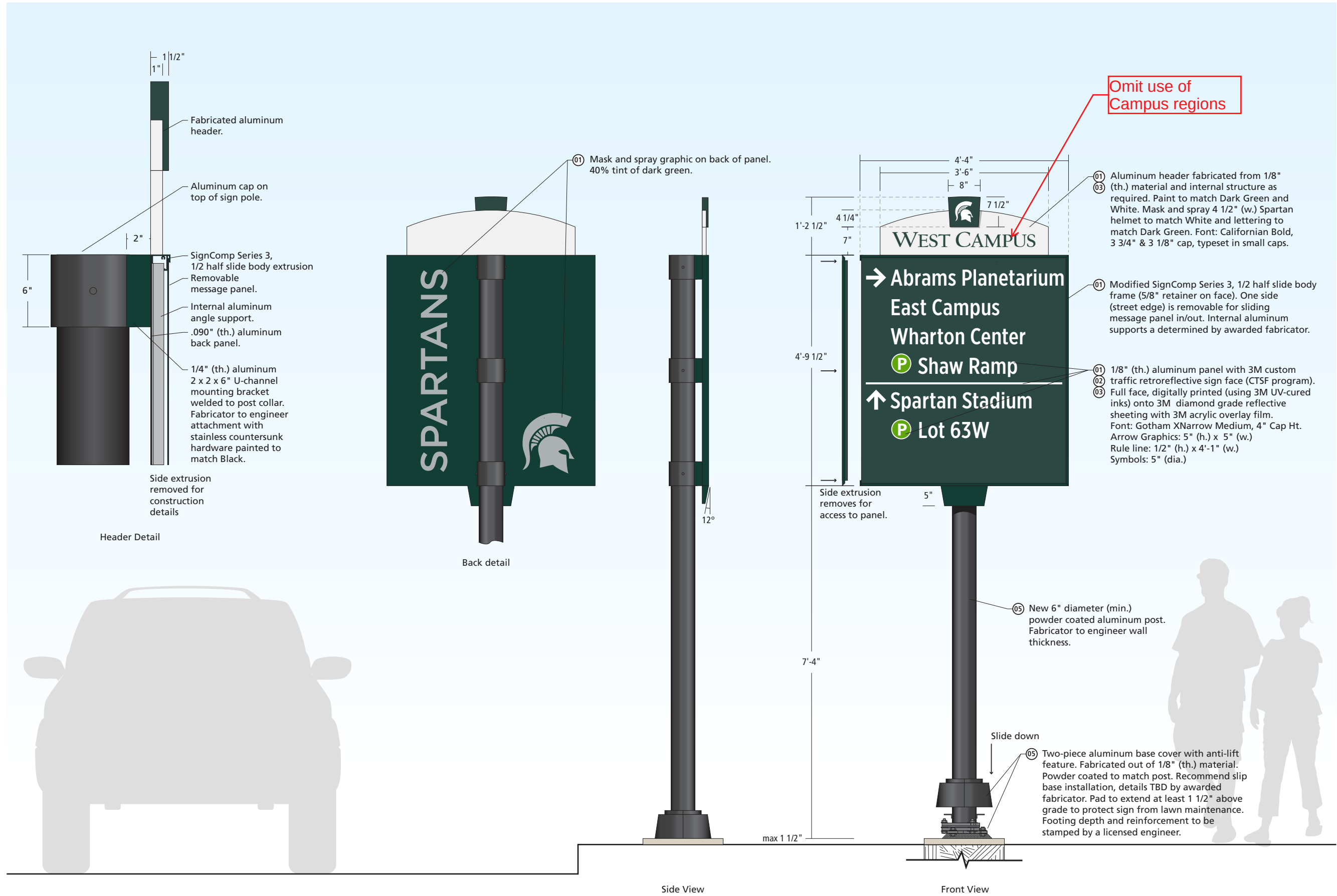
Client

MICHIGAN STATE  
UNIVERSITY



corbindesign

109 East Front Suite 304  
Traverse City, MI 49684  
231 947.1236



## Sign Type

### Gx-1

Vehicular Guide – Large

## Scale

1/2" = 1'-0"  
(on an 11 x 17 sheet)

## Color Code

- 01 Dark Green
- 02 Patina Green
- 03 Lime Green
- 04 White
- 05 Black
- 06 Red
- 07 Silver Gray

## Notes

This drawing is design-intent only. Fabricator is responsible for fabrication and overall level of quality. Any changes in design, materials, fabrication method or other details must be approved by Corbin Design and Michigan State University.

## Date Description

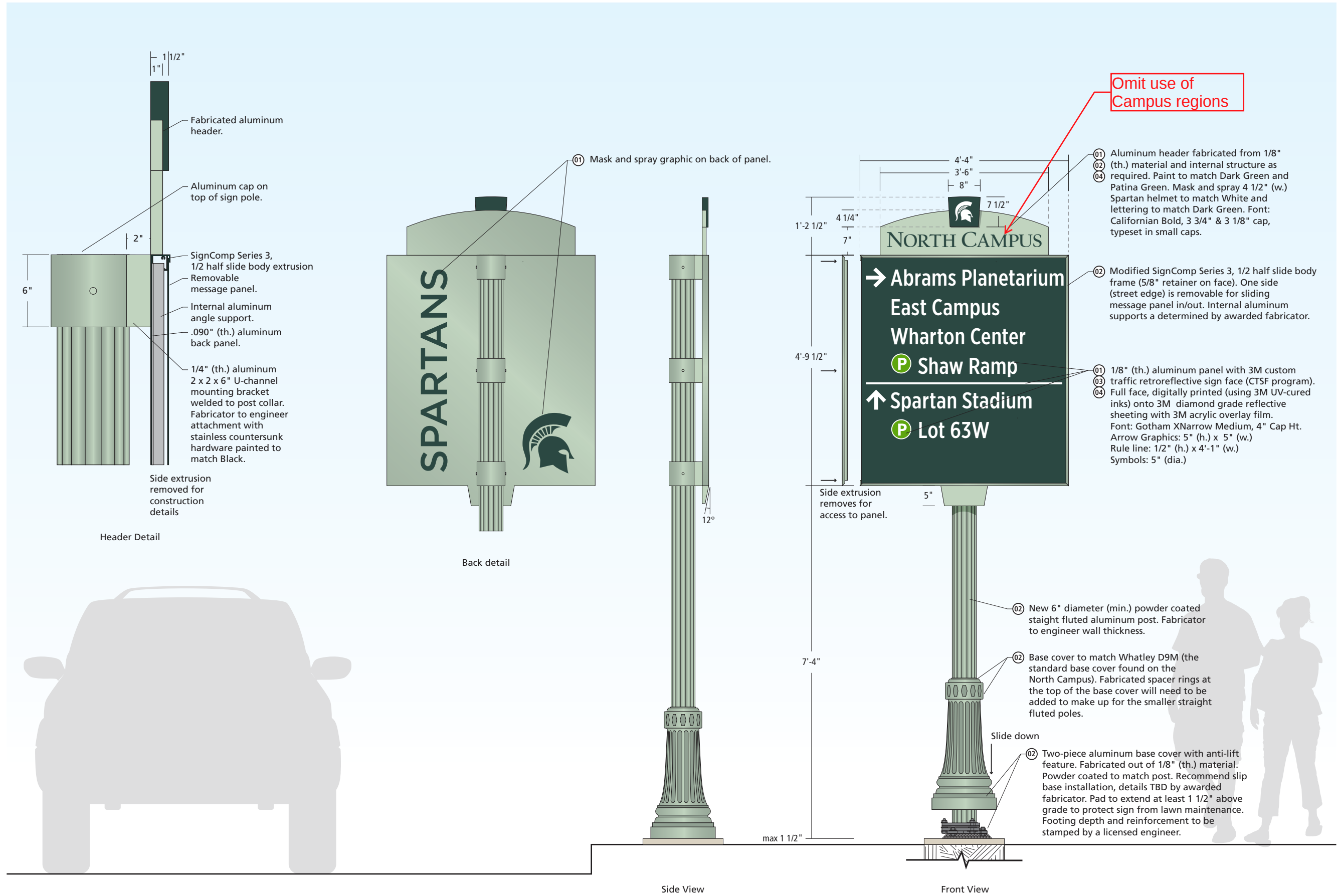
|         |                  |
|---------|------------------|
| 7.21.15 | Standards Manual |
| 11.6.15 | Revised          |
| 2.28.18 | Revised          |

## Client

**MICHIGAN STATE**  
UNIVERSITY

**corbindesign**

109 East Front Suite 304  
Traverse City, MI 49684  
231 947.1236



## Sign Type

### Gx-1n

Vehicular Guide – Large

## Scale

1/2" = 1'-0"  
(on an 11 x 17 sheet)

## Color Code

- 01 Dark Green
- 02 Patina Green
- 03 Lime Green
- 04 White
- 05 Black
- 06 Red
- 07 Silver Gray

## Notes

This drawing is design-intent only. Fabricator is responsible for fabrication and overall level of quality. Any changes in design, materials, fabrication method or other details must be approved by Corbin Design and Michigan State University.

## Date Description

|         |                  |
|---------|------------------|
| 7.21.15 | Standards Manual |
| 11.6.15 | Revised          |
| 2.28.18 | Revised          |

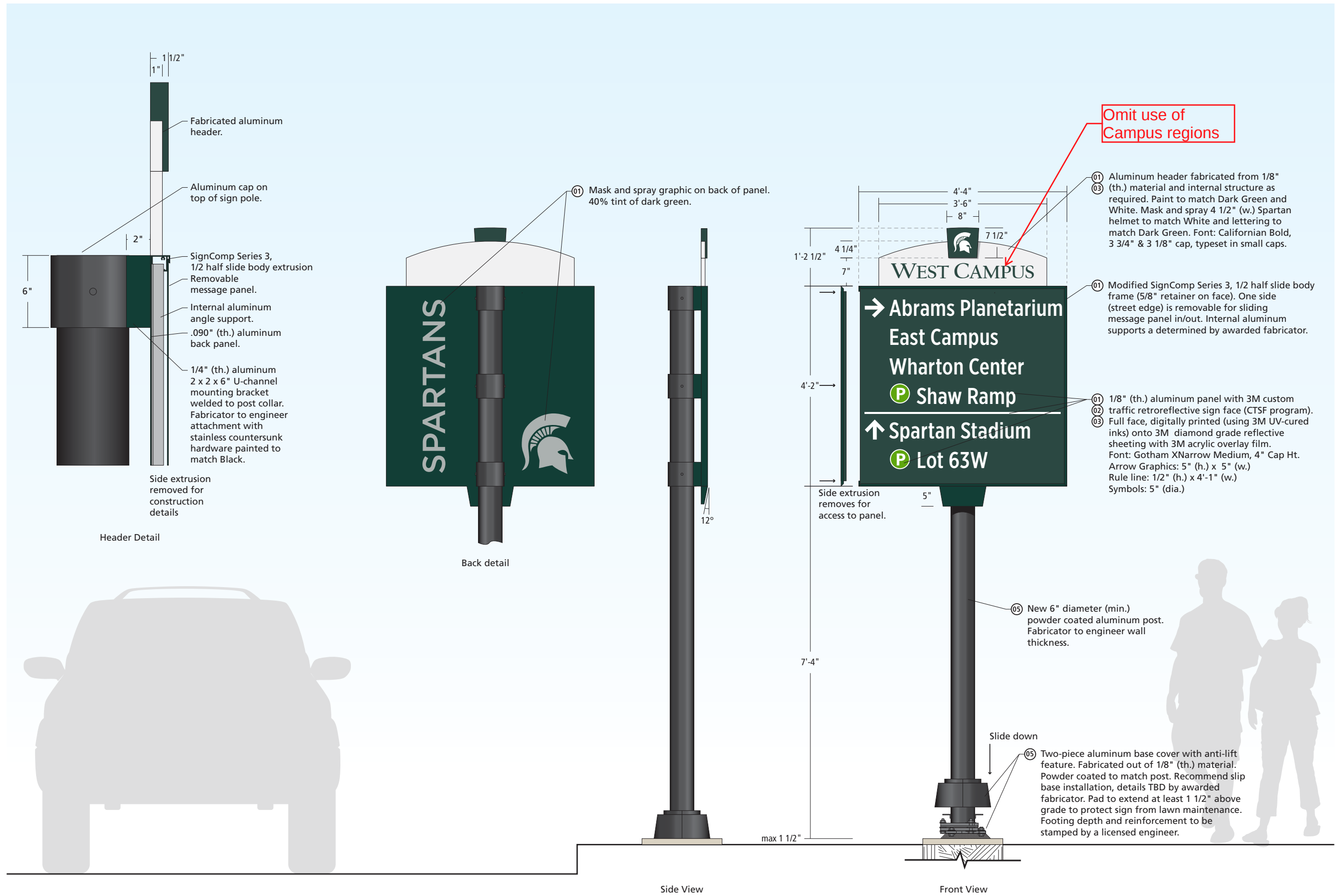
## Client

**MICHIGAN STATE**  
UNIVERSITY



**corbindesign**

109 East Front Suite 304  
Traverse City, MI 49684  
231 947.1236



Sign Type

Gx-2

Vehicular Guide – Medium

Scale

1/2" = 1'-0"  
(on an 11 x 17 sheet)

Color Code

- 01 Dark Green
- 02 Patina Green
- 03 Lime Green
- 04 White
- 05 Black
- 06 Red
- 07 Silver Gray

Notes

This drawing is design-intent only. Fabricator is responsible for fabrication and overall level of quality. Any changes in design, materials, fabrication method or other details must be approved by Corbin Design and Michigan State University.

| Date    | Description      |
|---------|------------------|
| 7.21.15 | Standards Manual |
| 11.6.15 | Revised          |
| 2.28.18 | Revised          |

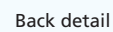
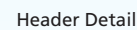
Client

MICHIGAN STATE  
UNIVERSITY

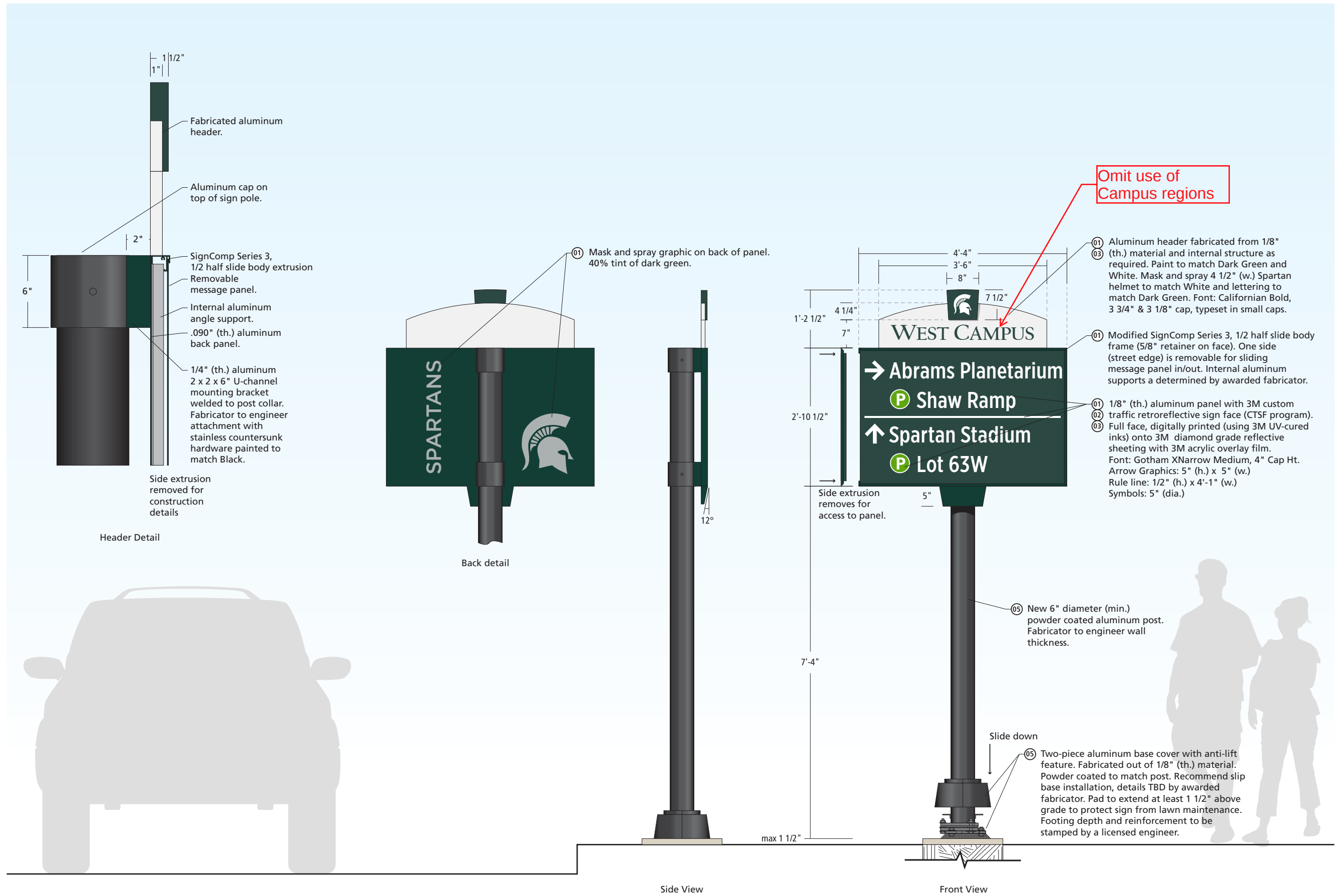


corbindesign

109 East Front Suite 304  
Traverse City, MI 49684  
231 947.1236



- 01 Aluminum header fabricated from 1/8" (th.) material and internal structure as required. Material to match Dark Green and Patina Green. Mask and spray 4 1/2" (w.) Spartan helmet to match White and lettering to match Dark Green. Font: Californian Bold, 3 3/4" & 3 1/8" cap, typeset in small caps.
- 02 Modified SignComp Series 3, 1/2 half slide body frame (5/8" retainer on face). One side (street edge) is removable for sliding message panel in/out. Internal aluminum supports a determined by awarded fabricator.
- 01 1/8" (th.) aluminum panel with 3M custom traffic retroreflective sign face (CTSF program).
- 03 Full face, digitally printed (using 3M UV-cured inks) onto 3M diamond grade reflective sheeting with 3M acrylic overlay film.
- 04 Font: Gotham XNarrow Medium, 4" Cap Ht. Arrow Graphics: 5" (h.) x 5" (w.) Rule line: 1/2" (h.) x 4'-1" (w.) Symbols: 5" (dia.)



#### Sign Type

### Gx-3

Vehicular Guide – Small

#### Scale

1/2" = 1'-0"  
(on an 11 x 17 sheet)

#### Color Code

- 01 Dark Green
- 02 Patina Green
- 03 Lime Green
- 04 White
- 05 Black
- 06 Red
- 07 Silver Gray

#### Notes

This drawing is design-intent only. Fabricator is responsible for fabrication and overall level of quality. Any changes in design, materials, fabrication method or other details must be approved by Corbin Design and Michigan State University.

#### Date Description

|         |                  |
|---------|------------------|
| 7.21.15 | Standards Manual |
| 11.6.15 | Revised          |
| 2.28.18 | Revised          |

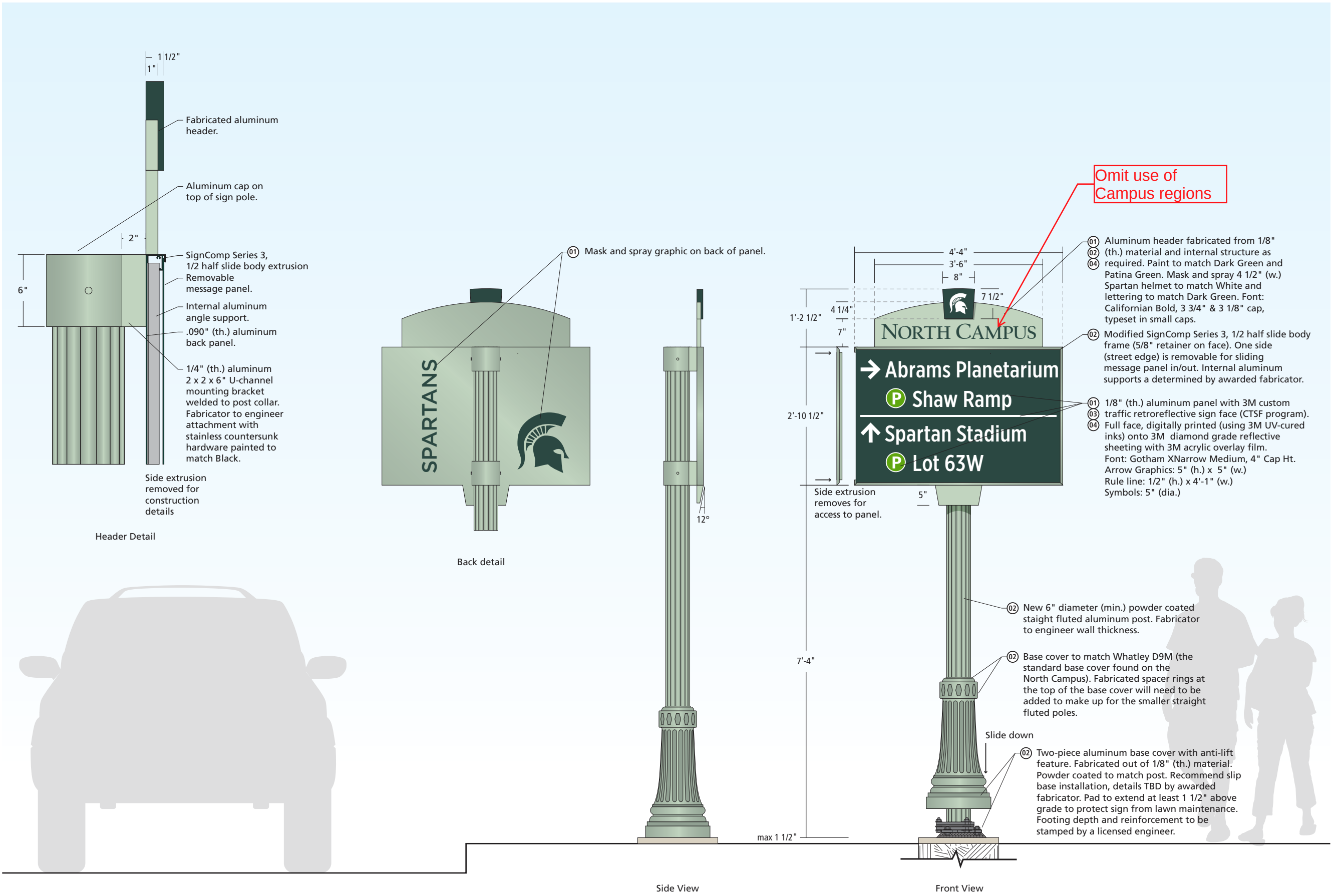
#### Client

**MICHIGAN STATE**  
UNIVERSITY



**corbindesign**

109 East Front Suite 304  
Traverse City, MI 49684  
231 947.1236



Sign Type

Gx-3n

Vehicular Guide – Small

Scale

1/2" = 1'-0"  
(on an 11 x 17 sheet)

Color Code

- 01 Dark Green
- 02 Patina Green
- 03 Lime Green
- 04 White
- 05 Black
- 06 Red
- 07 Silver Gray

Notes

This drawing is design-intent only. Fabricator is responsible for fabrication and overall level of quality. Any changes in design, materials, fabrication method or other details must be approved by Corbin Design and Michigan State University.

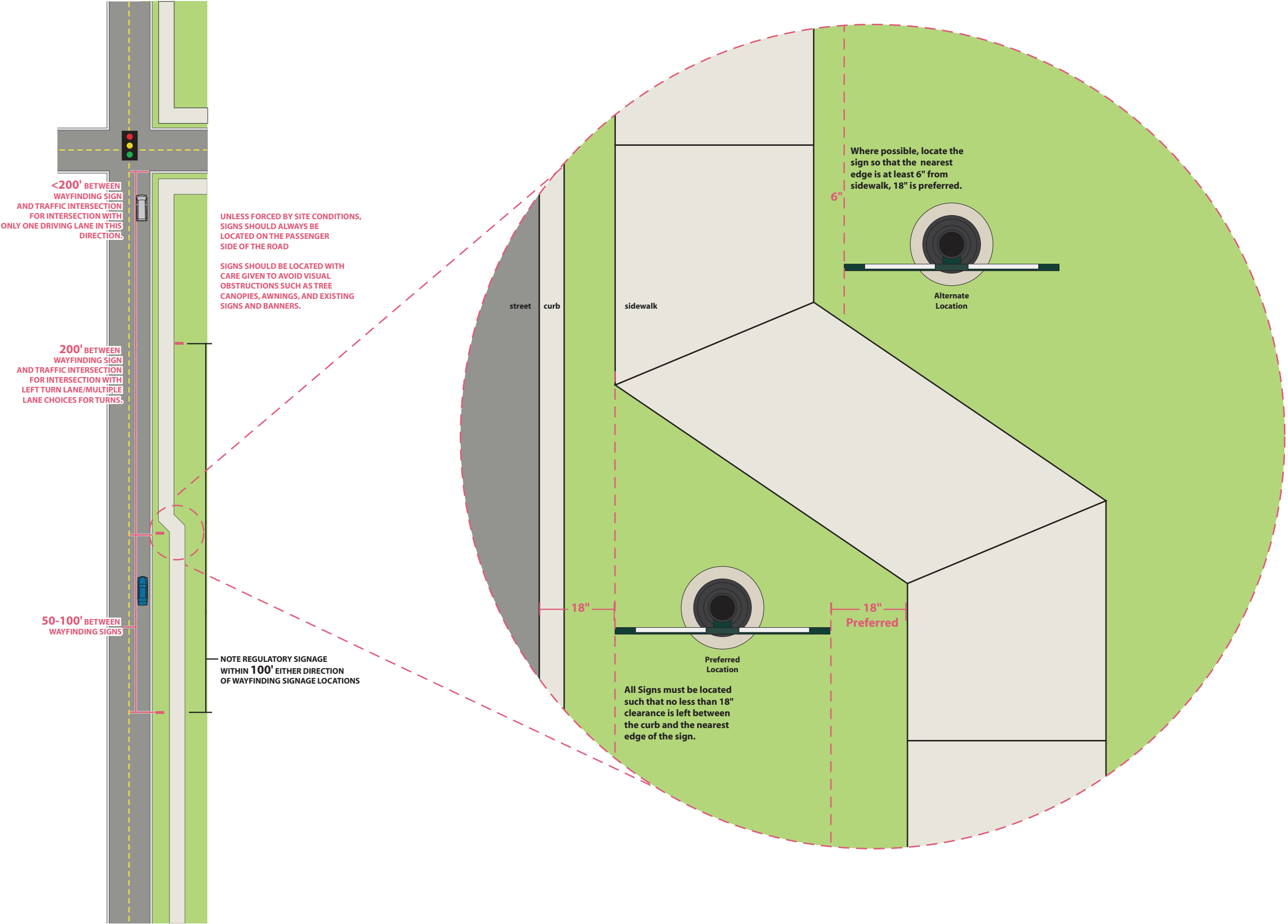
| Date    | Description      |
|---------|------------------|
| 7.21.15 | Standards Manual |
| 11.6.15 | Revised          |
| 2.28.18 | Revised          |

Client

MICHIGAN STATE  
UNIVERSITY

corbindesign

109 East Front Suite 304  
Traverse City, MI 49684  
231 947.1236



Sign Type

Vehicular Guide  
Installation Guidelines

Scale

1/2" = 1'-0"  
(on an 11 x 17 sheet)

Notes

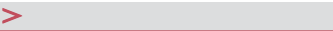
This drawing is design-intent only. Fabricator is responsible for fabrication and overall level of quality. Any changes in design, materials, fabrication method or other details must be approved by Corbin Design and Michigan State University.

Date Description

|         |                  |
|---------|------------------|
| 7.21.15 | Standards Manual |
| 11.6.15 | Revised          |
| 2.28.18 | Revised          |

Client

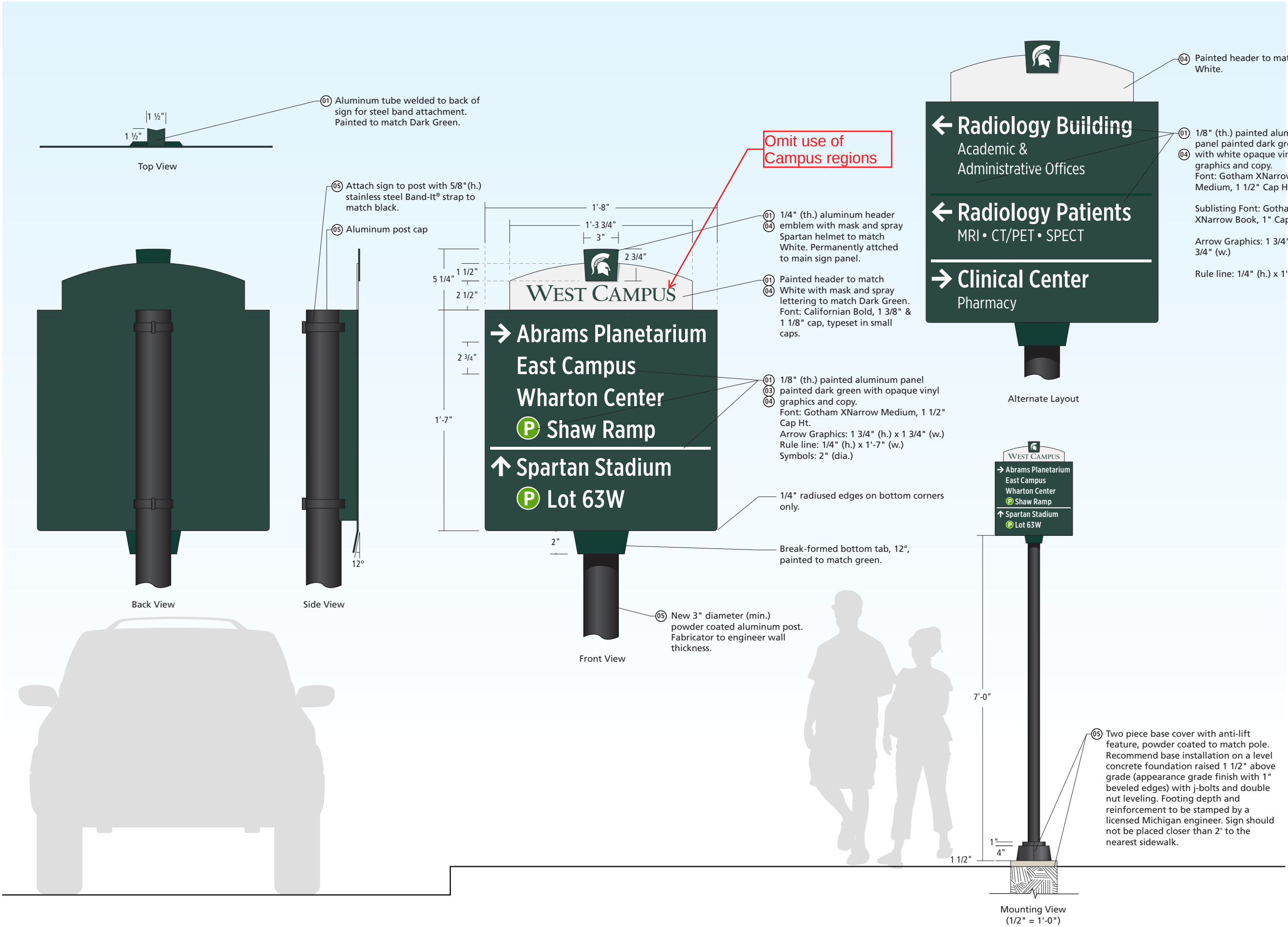
MICHIGAN STATE  
UNIVERSITY



corbindesign

109 East Front Suite 304  
Traverse City, MI 49684  
231 947.1236





Sign Type

Gx-5

Pedestrian Guide – New Post

Scale

1 1/2" = 1'-0"  
(on an 11 x 17 sheet)

Color Code

- 01 Dark Green
- 02 Patina Green
- 03 Lime Green
- 04 White
- 05 Black
- 06 Red
- 07 Silver Gray

Notes

This drawing is design-intent only. Fabricator is responsible for fabrication and overall level of quality. Any changes in design, materials, fabrication method or other details must be approved by Corbin Design and Michigan State University.

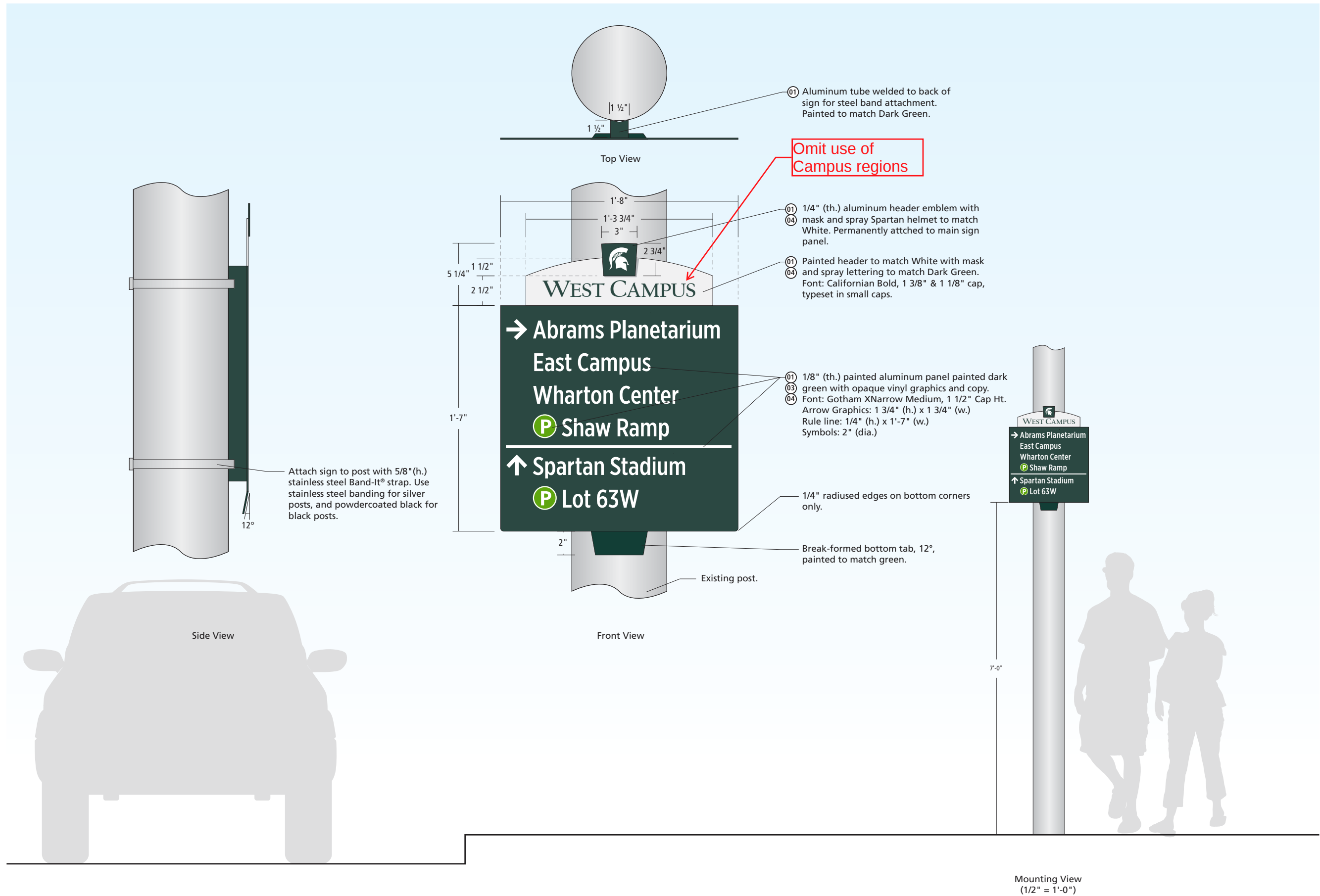
| Date    | Description      |
|---------|------------------|
| 7.21.15 | Standards Manual |
| 11.6.15 | Revised          |
| 2.28.18 | Revised          |

Client

MICHIGAN STATE  
UNIVERSITY

corbindesign

109 East Front Suite 304  
Traverse City, MI 49684  
231 947.1236



#### Sign Type

### Gx-6

#### Pedestrian Guide – Existing Post

#### Scale

1 1/2" = 1'-0"  
(on an 11 x 17 sheet)

#### Color Code

- 01 Dark Green
- 02 Patina Green
- 03 Lime Green
- 04 White
- 05 Black
- 06 Red
- 07 Silver Gray

#### Notes

This drawing is design-intent only. Fabricator is responsible for fabrication and overall level of quality. Any changes in design, materials, fabrication method or other details must be approved by Corbin Design and Michigan State University.

#### Date Description

|         |                  |
|---------|------------------|
| 7.21.15 | Standards Manual |
| 11.6.15 | Revised          |
| 2.28.18 | Revised          |

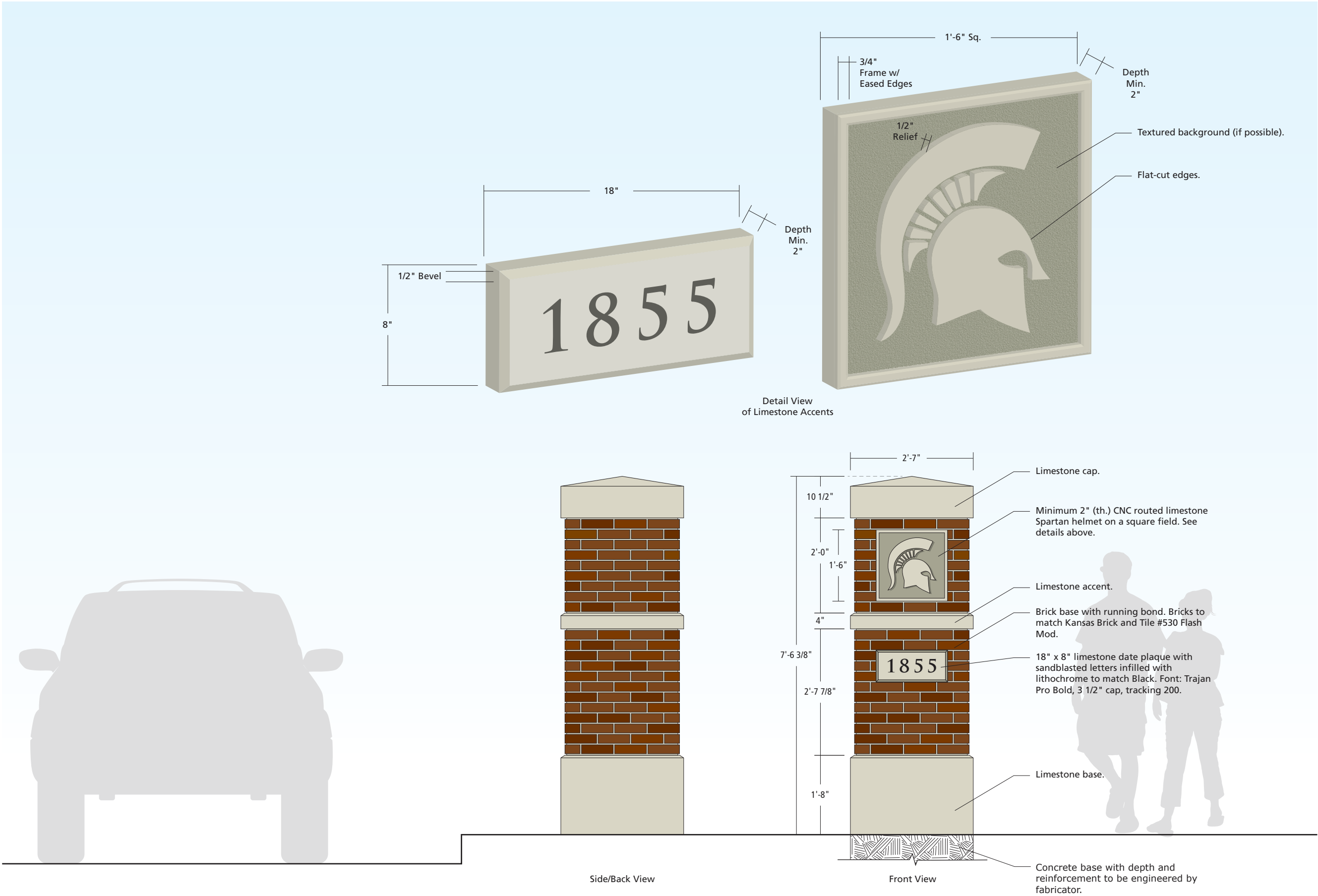
#### Client

**MICHIGAN STATE**  
UNIVERSITY



**corbindesign**

109 East Front Suite 304  
Traverse City, MI 49684  
231 947.1236



Sign Type

**Ix-1**  
**Boundary Marker**

Scale

1/2" = 1'-0"  
(on an 11 x 17 sheet)

Color Code

- 01 Dark Green
- 02 Patina Green
- 03 Lime Green
- 04 White
- 05 Black
- 06 Red
- 07 Silver Gray

Notes

This drawing is design-intent only. Fabricator is responsible for fabrication and overall level of quality. Any changes in design, materials, fabrication method or other details must be approved by Corbin Design and Michigan State University.

Date Description

|         |                  |
|---------|------------------|
| 7.21.15 | Standards Manual |
| 11.6.15 | Revised          |
| 2.28.18 | Revised          |

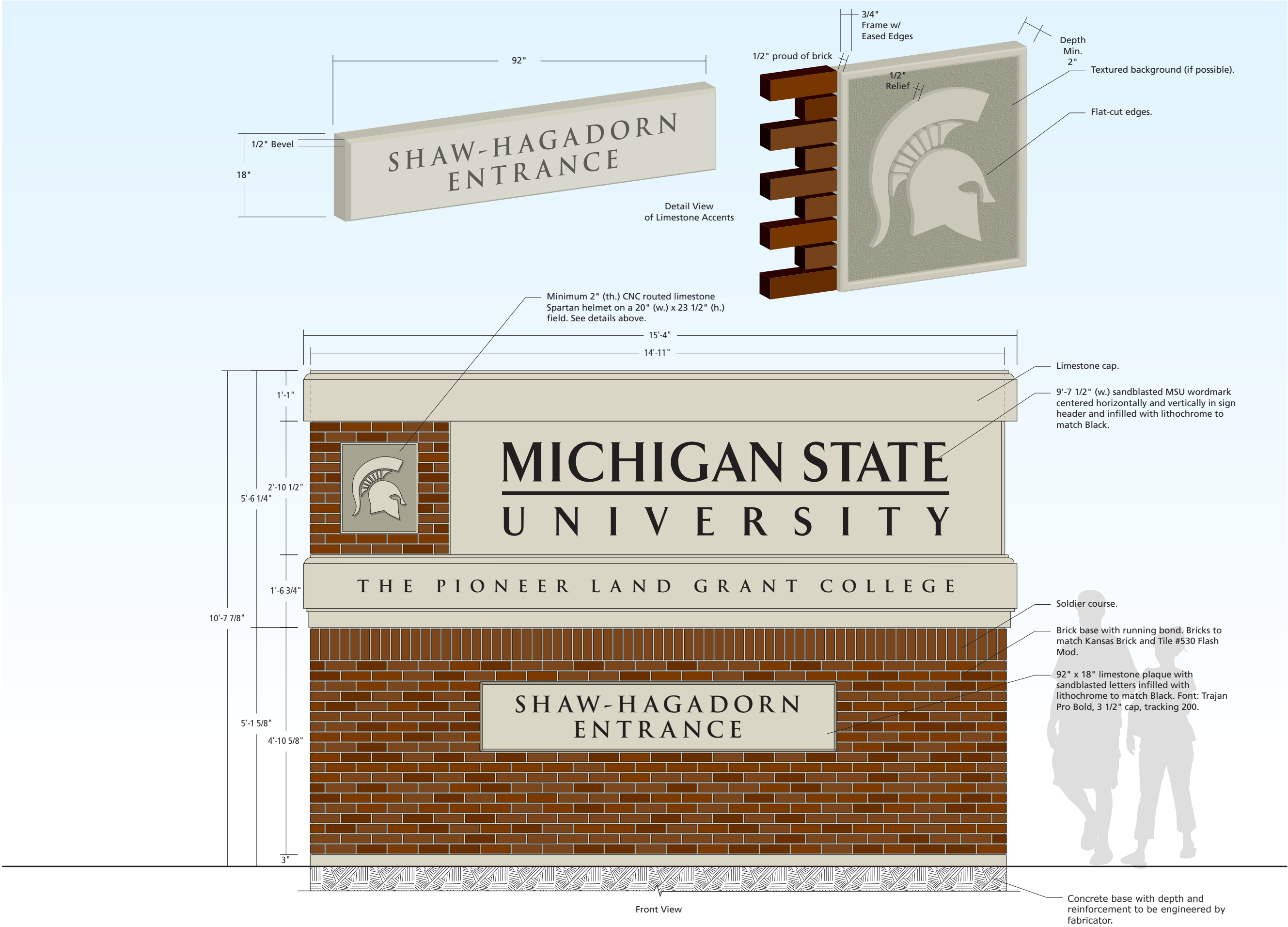
Client

**MICHIGAN STATE**  
**UNIVERSITY**

>

**corbindesign**

109 East Front Suite 304  
Traverse City, MI 49684  
231 947.1236



Sign Type

Ix-2

Gateway – Large

Scale

1/2" = 1'-0"  
(on an 11 x 17 sheet)

Color Code

01

Dark Green

02

Patina Green

03

Lime Green

04

White

05

Black

06

Red

07

Silver Gray

Notes

This drawing is design-intent only. Fabricator is responsible for fabrication and overall level of quality. Any changes in design, materials, fabrication method or other details must be approved by Corbin Design and Michigan State University.

| Date    | Description      |
|---------|------------------|
| 7.21.15 | Standards Manual |
| 11.6.15 | Revised          |
| 2.28.18 | Revised          |

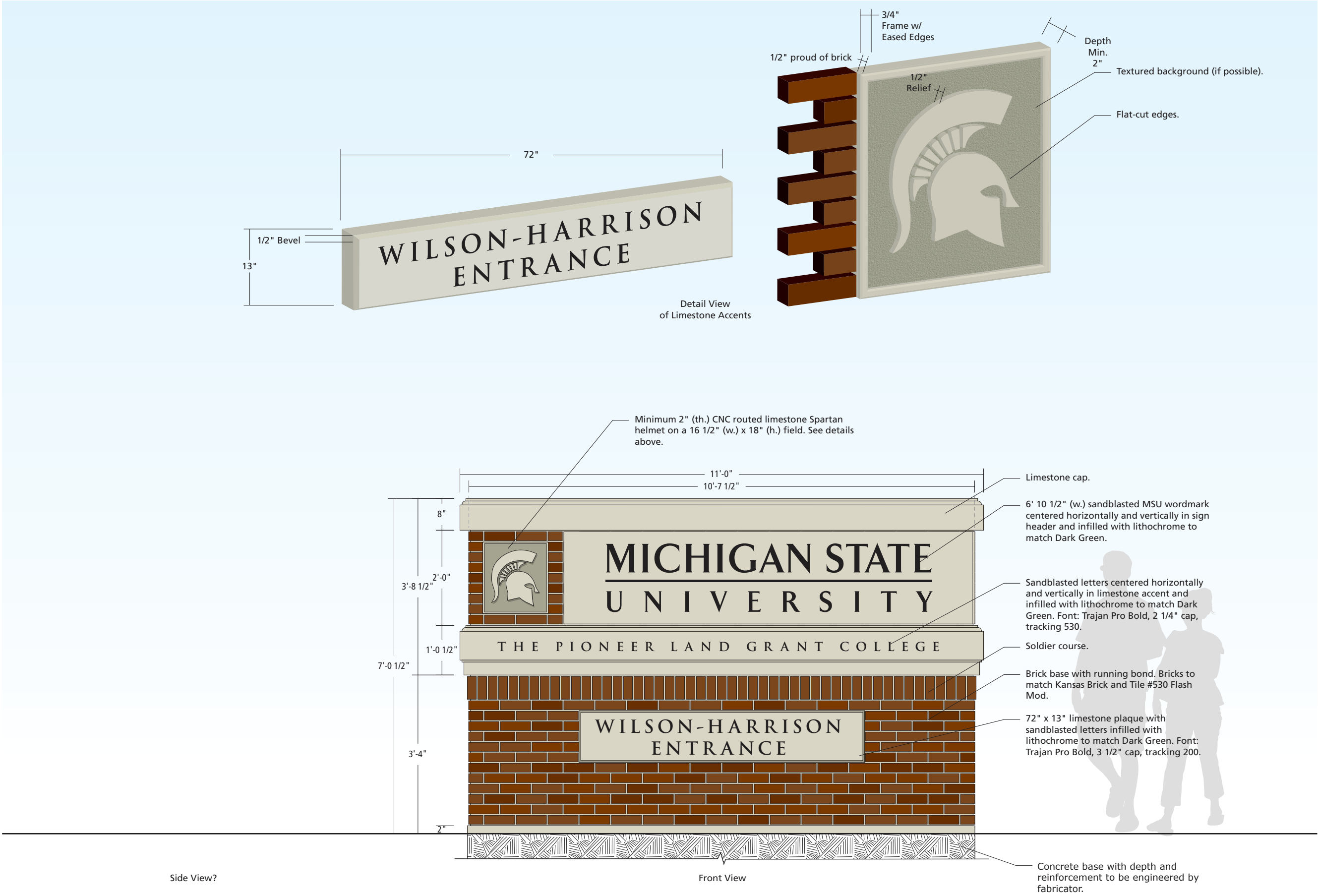
Client

MICHIGAN STATE  
UNIVERSITY

>

corbindesign

109 East Front Suite 304  
Traverse City, MI 49684  
231 947.1236



Sign Type

**Ix-3**  
**Gateway – Small**

Scale

1/2" = 1'-0"  
(on an 11 x 17 sheet)

Color Code

- 01 Dark Green
- 02 Patina Green
- 03 Lime Green
- 04 White
- 05 Black
- 06 Red
- 07 Sliver Gray

Notes

This drawing is design-intent only. Fabricator is responsible for fabrication and overall level of quality. Any changes in design, materials, fabrication method or other details must be approved by Corbin Design and Michigan State University.

Date Description

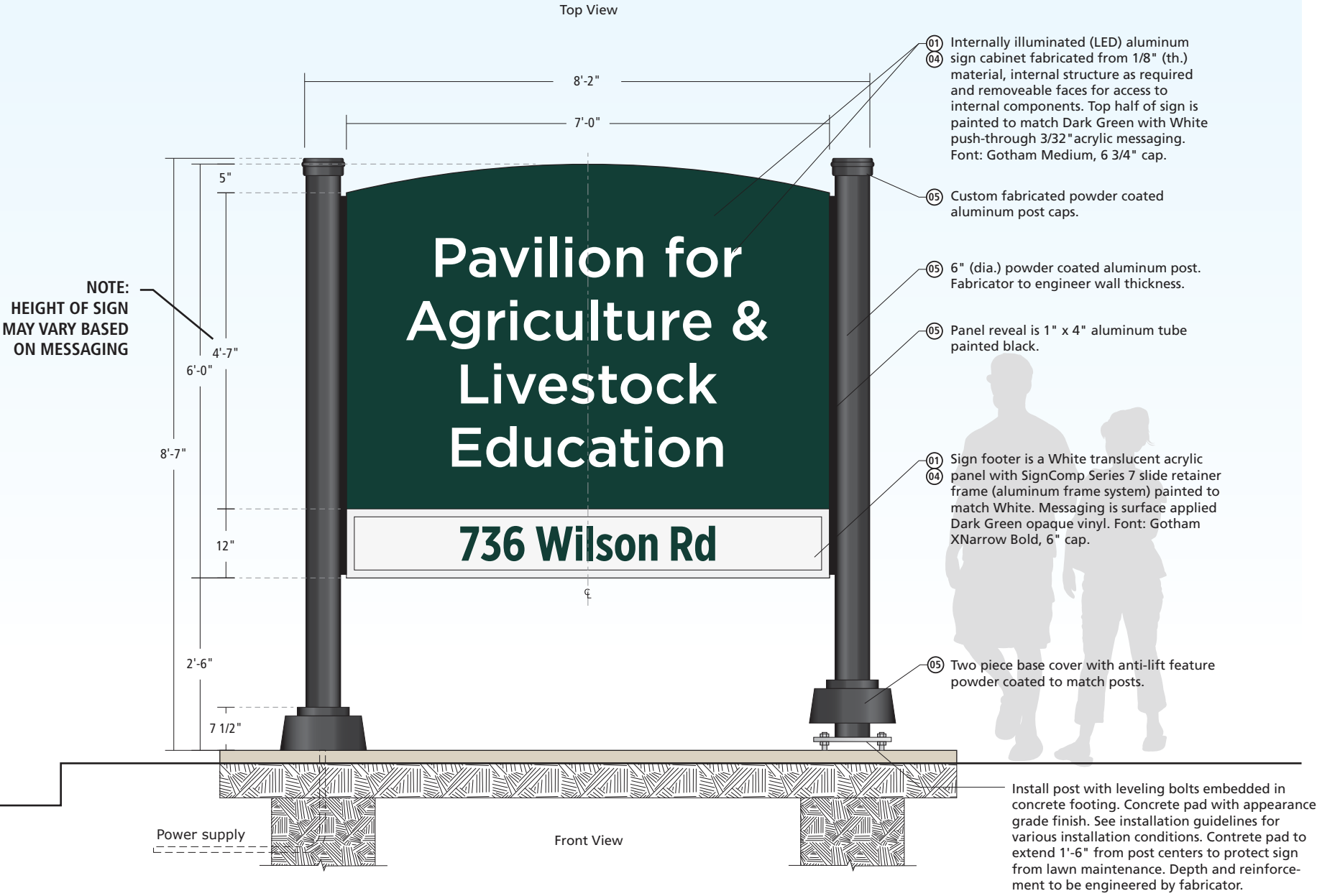
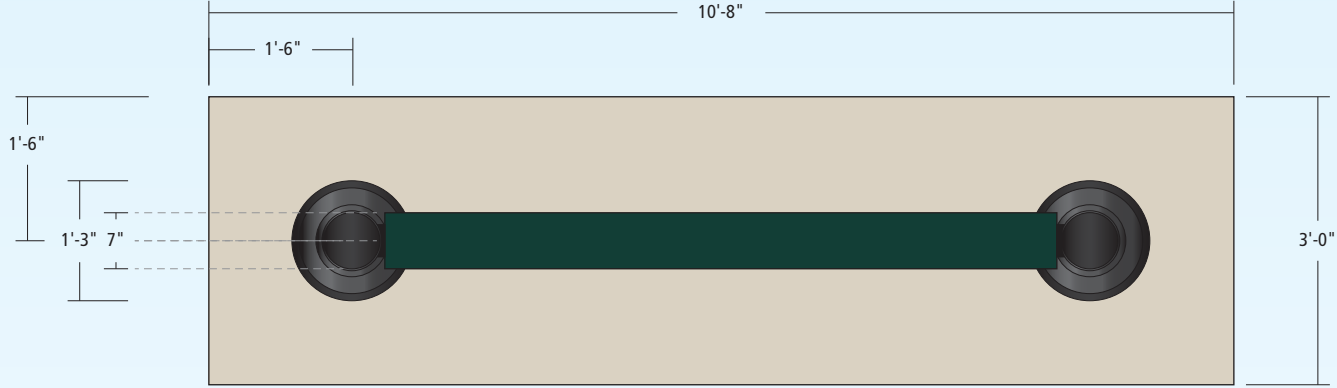
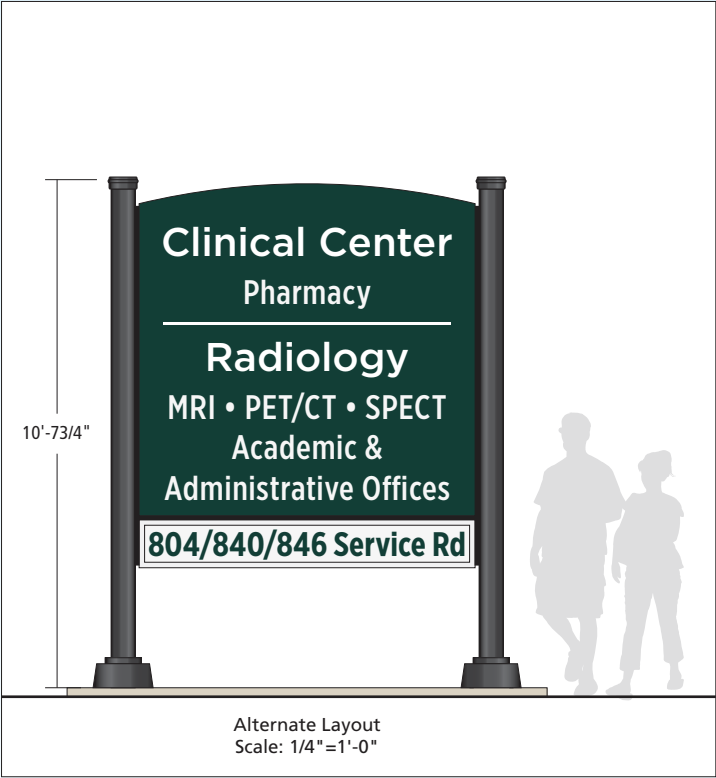
|         |                  |
|---------|------------------|
| 7.21.15 | Standards Manual |
| 11.6.15 | Revised          |
| 2.28.18 | Revised          |

Client

**MICHIGAN STATE**  
**UNIVERSITY**

**>**  
**corbindesign**

109 East Front Suite 304  
Traverse City, MI 49684  
231 947.1236



Sign Type

**Ix-5**  
Building ID – Large,  
Freestanding – Illuminated

Scale

1/2" = 1'-0"  
(on an 11 x 17 sheet)

Color Code

- 01 Dark Green
- 02 Patina Green
- 03 Lime Green
- 04 White
- 05 Black
- 06 Red
- 07 Silver Gray

Notes

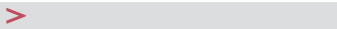
This drawing is design-intent only. Fabricator is responsible for fabrication and overall level of quality. Any changes in design, materials, fabrication method or other details must be approved by Corbin Design and Michigan State University.

Date Description

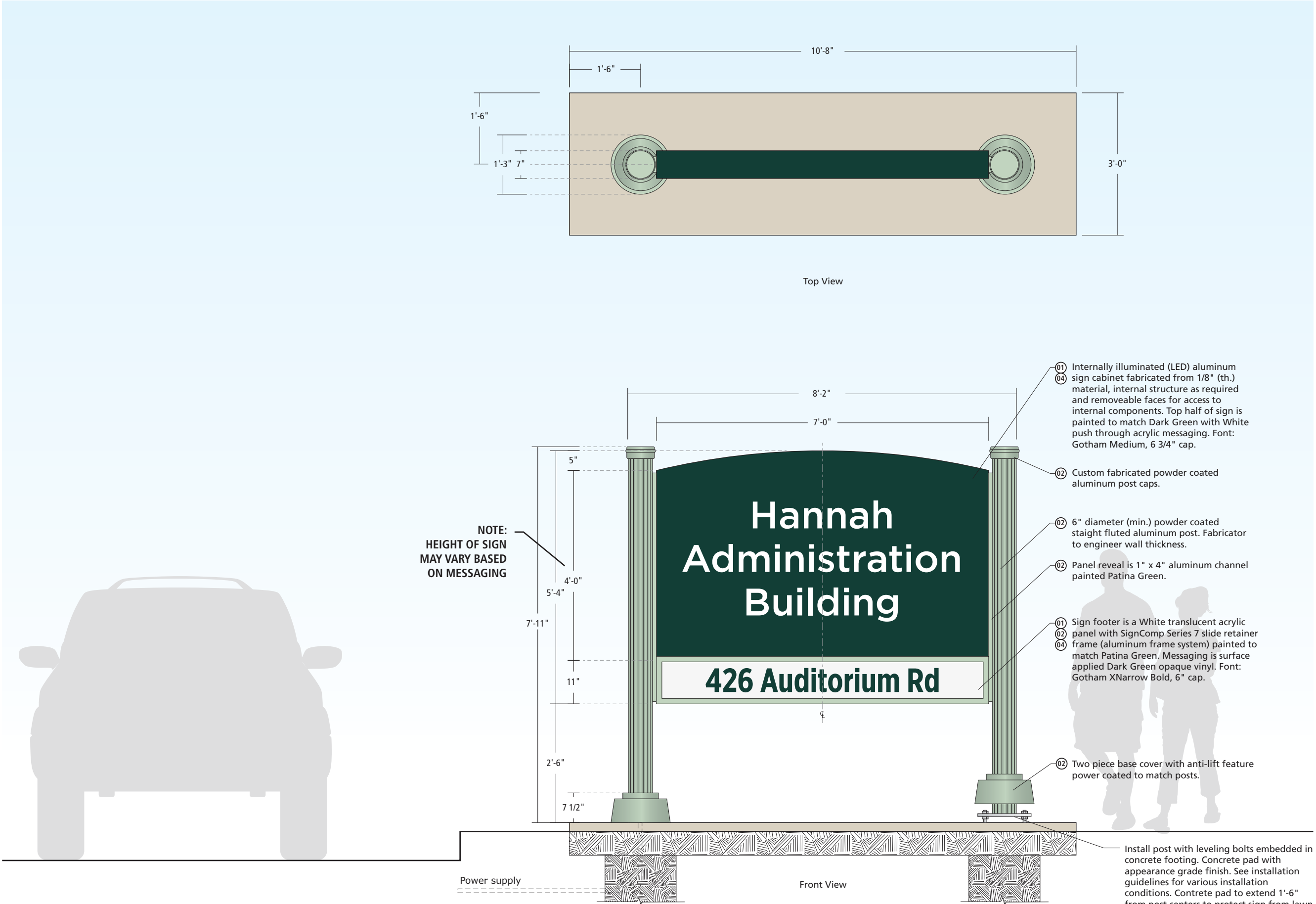
|         |                  |
|---------|------------------|
| 7.21.15 | Standards Manual |
| 11.6.15 | Revised          |
| 2.28.18 | Revised          |

Client

**MICHIGAN STATE**  
UNIVERSITY



**corbindesign**  
109 East Front Suite 304  
Traverse City, MI 49684  
231 947.1236



Sign Type

**Ix-5n**  
**Building ID – Large,  
Freestanding – Illuminated**

Scale

1/2" = 1'-0"  
(on an 11 x 17 sheet)

Color Code

- 01 Dark Green
- 02 Patina Green
- 03 Lime Green
- 04 White
- 05 Black
- 06 Red
- 07 Silver Gray

Notes

This drawing is design-intent only. Fabricator is responsible for fabrication and overall level of quality. Any changes in design, materials, fabrication method or other details must be approved by Corbin Design and Michigan State University.

Date Description

|         |                  |
|---------|------------------|
| 7.21.15 | Standards Manual |
| 11.6.15 | Revised          |
| 2.28.18 | Revised          |

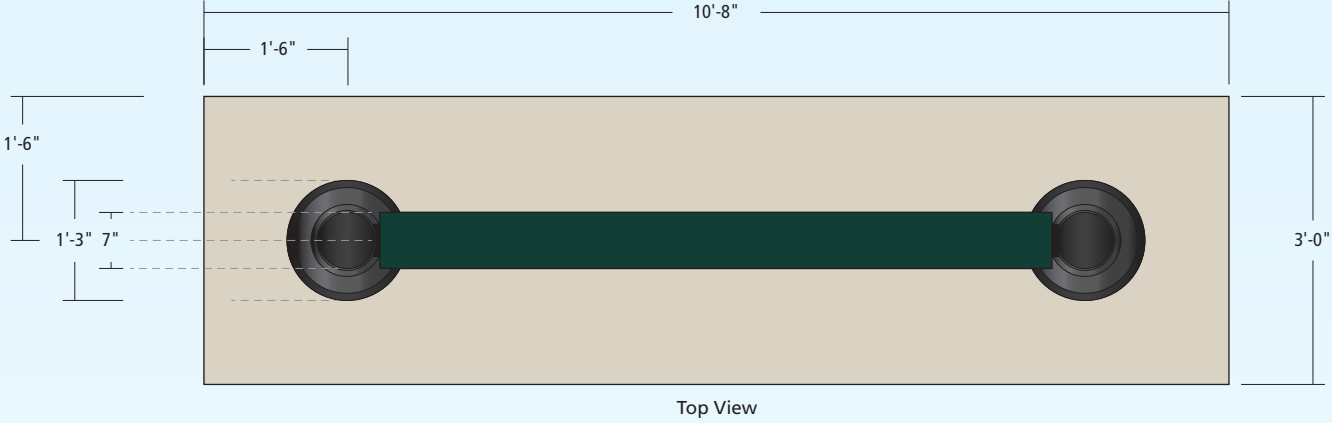
Client

**MICHIGAN STATE  
UNIVERSITY**

>

**corbindesign**

109 East Front Suite 304  
Traverse City, MI 49684  
231 947.1236



Sign Type

**Ix-5a**  
Building ID – Large,  
Freestanding – Illuminated  
Multiple Panels

Scale

1/2" = 1'-0"  
(on an 11 x 17 sheet)

Color Code

- 01 Dark Green
- 02 Patina Green
- 03 Lime Green
- 04 White
- 05 Black
- 06 Red
- 07 Silver Gray

Notes

This drawing is design-intent only. Fabricator is responsible for fabrication and overall level of quality. Any changes in design, materials, fabrication method or other details must be approved by Corbin Design and Michigan State University.

Date Description

|         |                  |
|---------|------------------|
| 7.21.15 | Standards Manual |
| 11.6.15 | Revised          |
| 2.28.18 | Revised          |

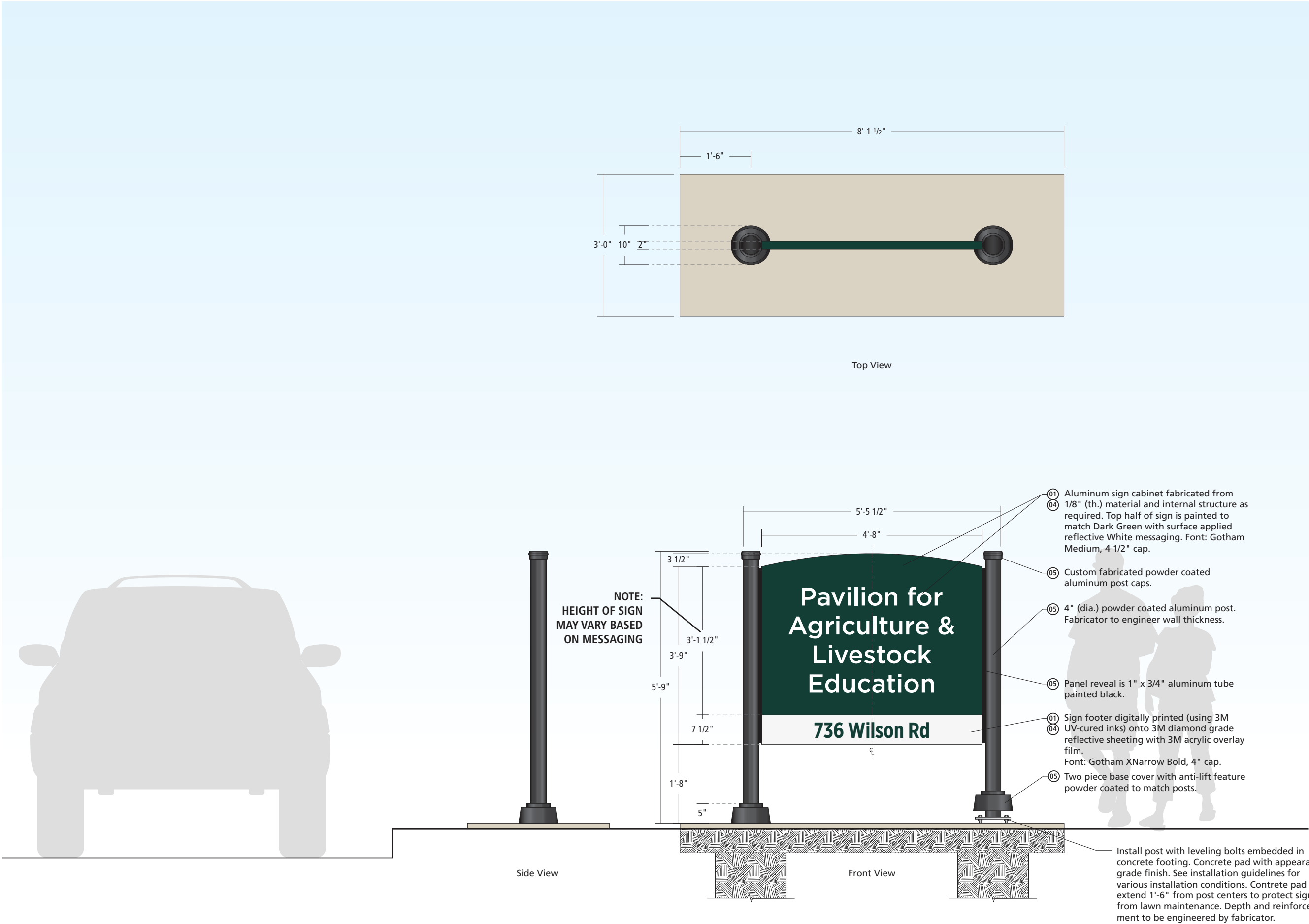
Client

**MICHIGAN STATE**  
UNIVERSITY

>

**corbindesign**

109 East Front Suite 304  
Traverse City, MI 49684  
231 947.1236



Sign Type

Ix-6

Building ID – Large, Freestanding

Scale

1/2" = 1'-0"  
(on an 11 x 17 sheet)

Color Code

- 01 Dark Green
- 02 Patina Green
- 03 Lime Green
- 04 White
- 05 Black
- 06 Red
- 07 Silver Gray

Notes

This drawing is design-intent only. Fabricator is responsible for fabrication and overall level of quality. Any changes in design, materials, fabrication method or other details must be approved by Corbin Design and Michigan State University.

| Date    | Description      |
|---------|------------------|
| 7.21.15 | Standards Manual |
| 11.6.15 | Revised          |
| 2.28.18 | Revised          |

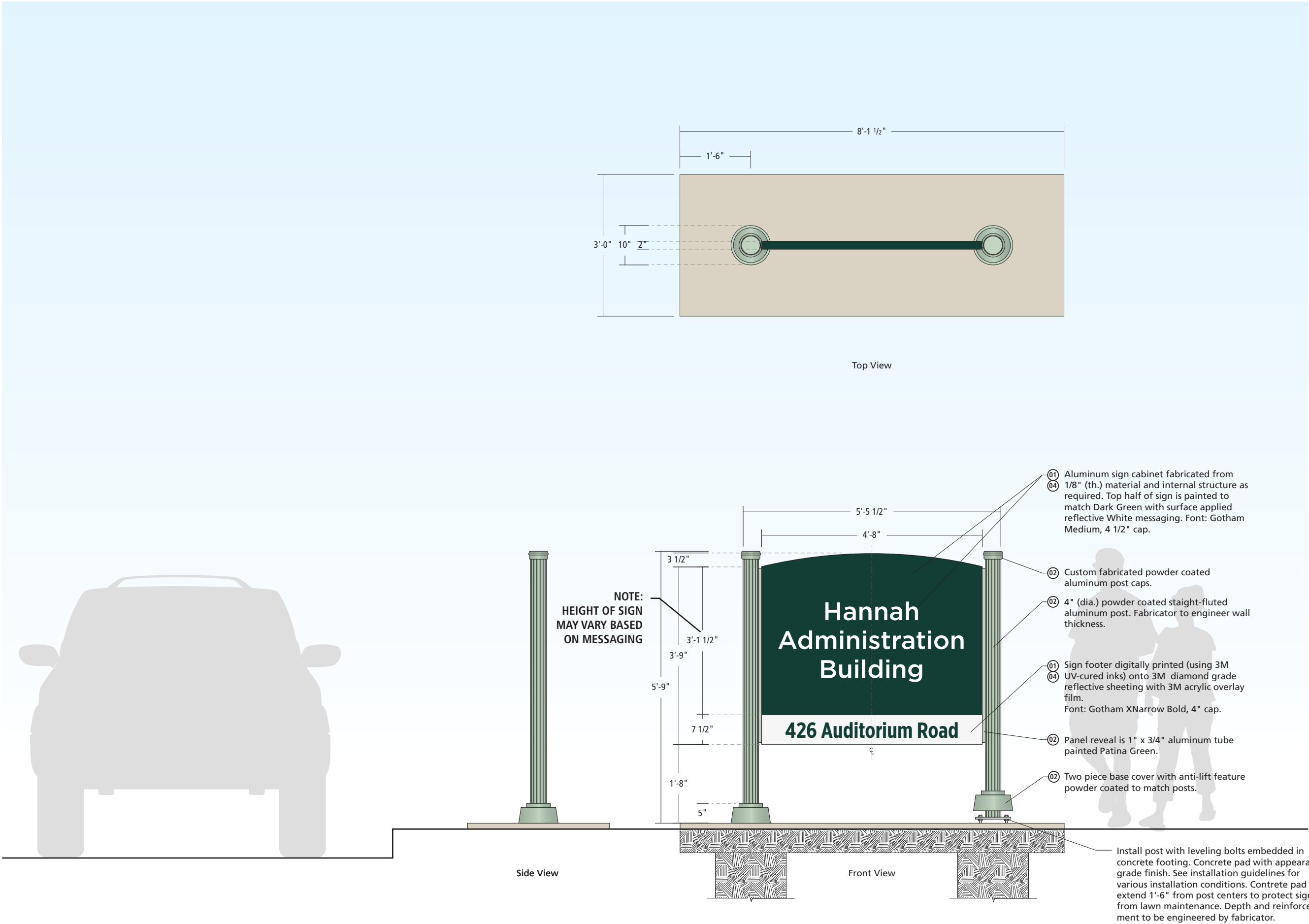
Client

MICHIGAN STATE  
UNIVERSITY



corbindesign

109 East Front Suite 304  
Traverse City, MI 49684  
231 947.1236



**Sign Type**

**Ix-6n**  
Building ID – Large, Freestanding

**Scale**  
1/2" = 1'-0"  
(on an 11 x 17 sheet)

**Color Code**

|    |              |
|----|--------------|
| 01 | Dark Green   |
| 02 | Patina Green |
| 03 | Lime Green   |
| 04 | White        |
| 05 | Black        |
| 06 | Red          |
| 07 | Silver Gray  |

**Notes**

This drawing is design-intent only. Fabricator is responsible for fabrication and overall level of quality. Any changes in design, materials, fabrication method or other details must be approved by Corbin Design and Michigan State University.

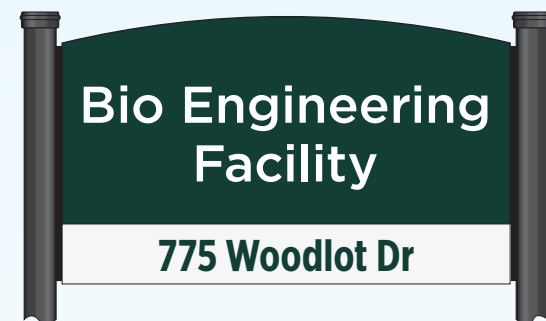
| Date    | Description      |
|---------|------------------|
| 7.21.15 | Standards Manual |
| 11.6.15 | Revised          |
| 2.28.18 | Revised          |

**Client**

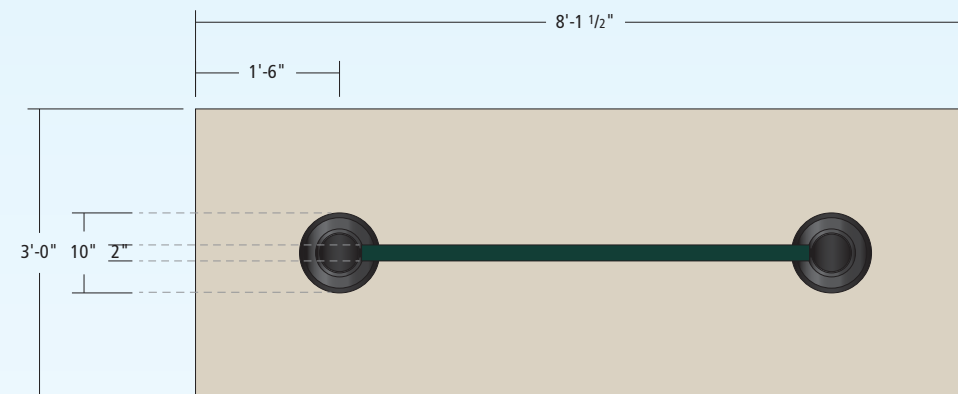
**MICHIGAN STATE UNIVERSITY**

>

**corbindesign**  
109 East Front Suite 304  
Traverse City, MI 49684  
231 947.1236



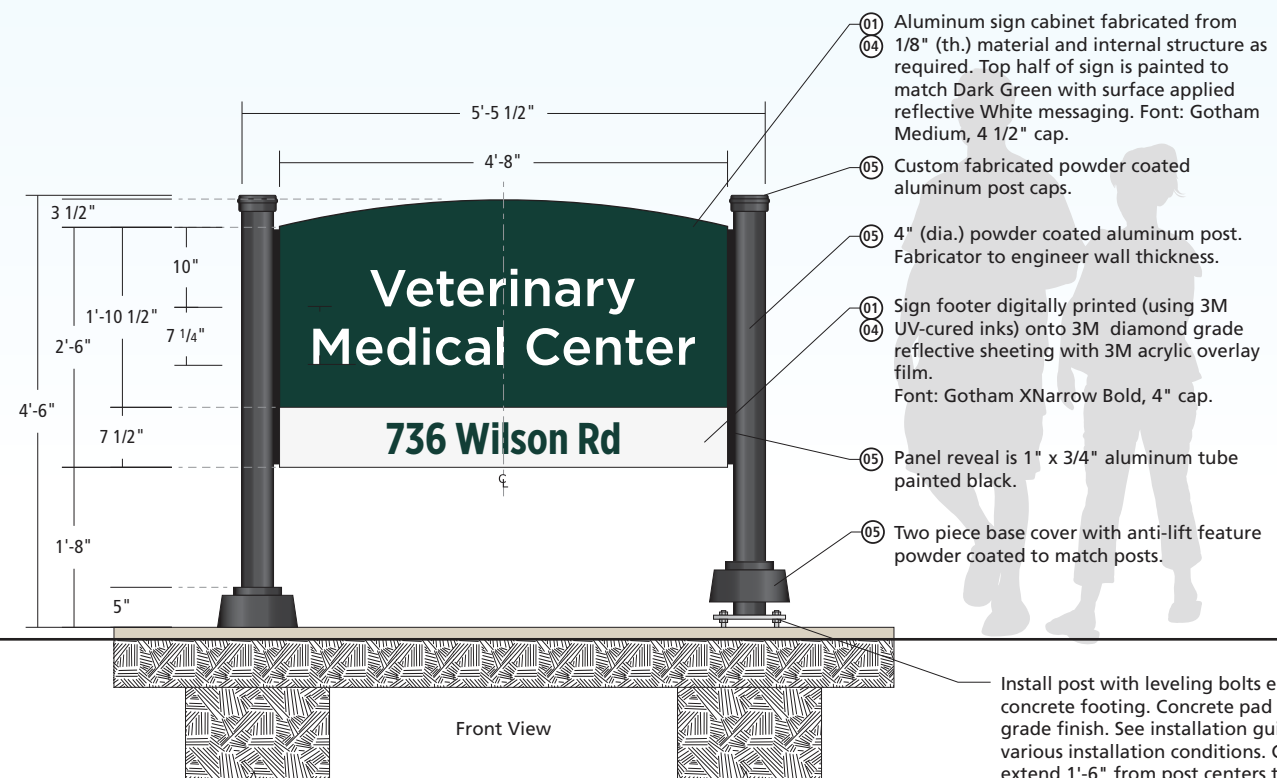
Alternate Layouts



Top View



Side View



Front View

Install post with leveling bolts embedded in concrete footing. Concrete pad with appearance grade finish. See installation guidelines for various installation conditions. Concrete pad to extend 1'-6" from post centers to protect sign from lawn maintenance. Depth and reinforcement to be engineered by fabricator.

## Sign Type

### Ix-7

Building ID – Small,  
Freestanding

## Scale

1/2" = 1'-0"  
(on an 11 x 17 sheet)

## Color Code

- 01 Dark Green
- 02 Patina Green
- 03 Lime Green
- 04 White
- 05 Black
- 06 Red
- 07 Silver Gray

## Notes

This drawing is design-intent only. Fabricator is responsible for fabrication and overall level of quality. Any changes in design, materials, fabrication method or other details must be approved by Corbin Design and Michigan State University.

## Date Description

|         |                  |
|---------|------------------|
| 7.21.15 | Standards Manual |
| 11.6.15 | Revised          |
| 2.28.18 | Revised          |

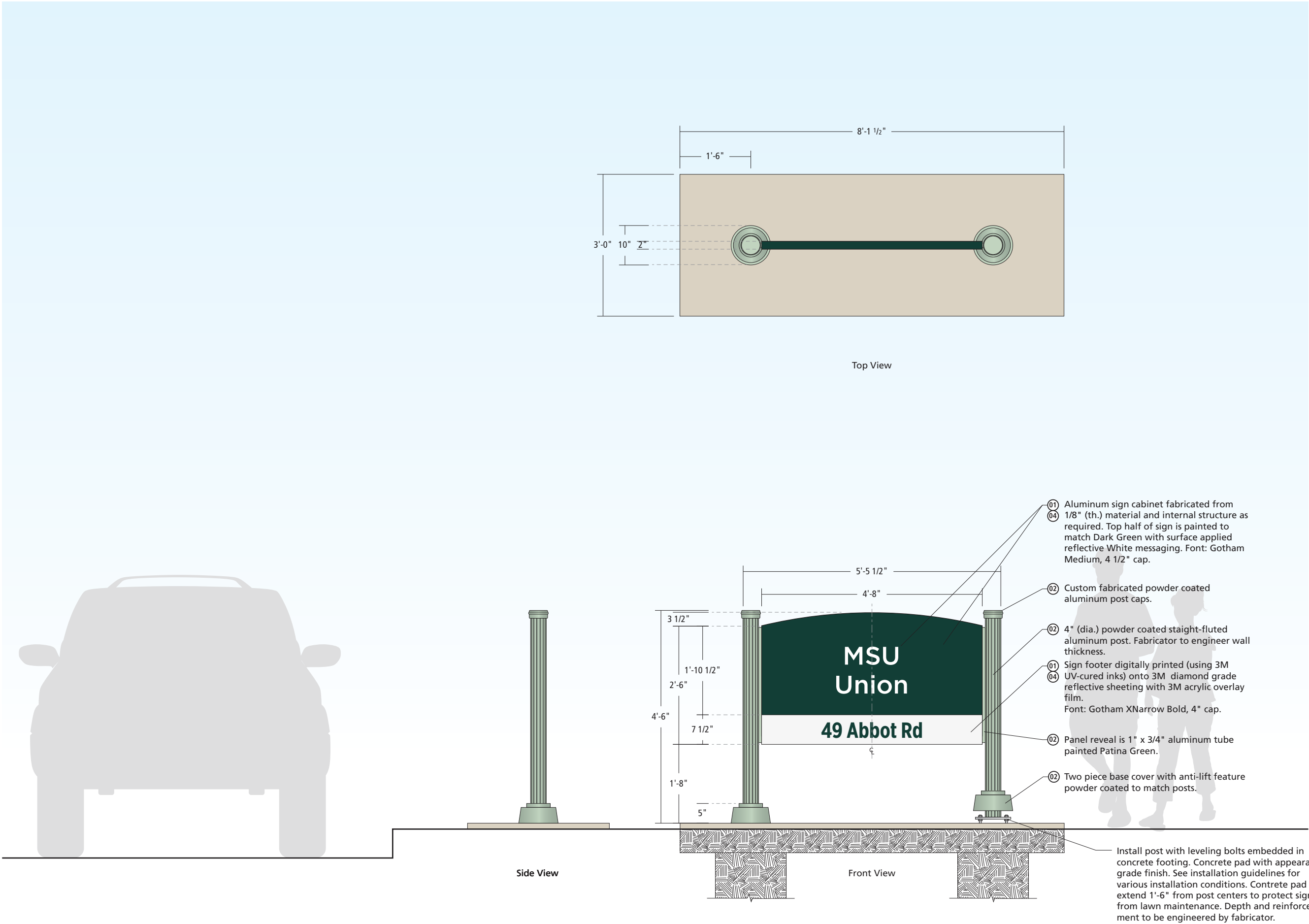
## Client

MICHIGAN STATE  
UNIVERSITY



corbindesign

109 East Front Suite 304  
Traverse City, MI 49684  
231 947.1236



Sign Type

Ix-7n

Building ID – Small,  
Freestanding

Scale

1/2" = 1'-0"  
(on an 11 x 17 sheet)

Color Code

- 01 Dark Green
- 02 Patina Green
- 03 Lime Green
- 04 White
- 05 Black
- 06 Red
- 07 Silver Gray

Notes

This drawing is design-intent only. Fabricator is responsible for fabrication and overall level of quality. Any changes in design, materials, fabrication method or other details must be approved by Corbin Design and Michigan State University.

Date Description

|         |                  |
|---------|------------------|
| 7.21.15 | Standards Manual |
| 11.6.15 | Revised          |
| 2.28.18 | Revised          |

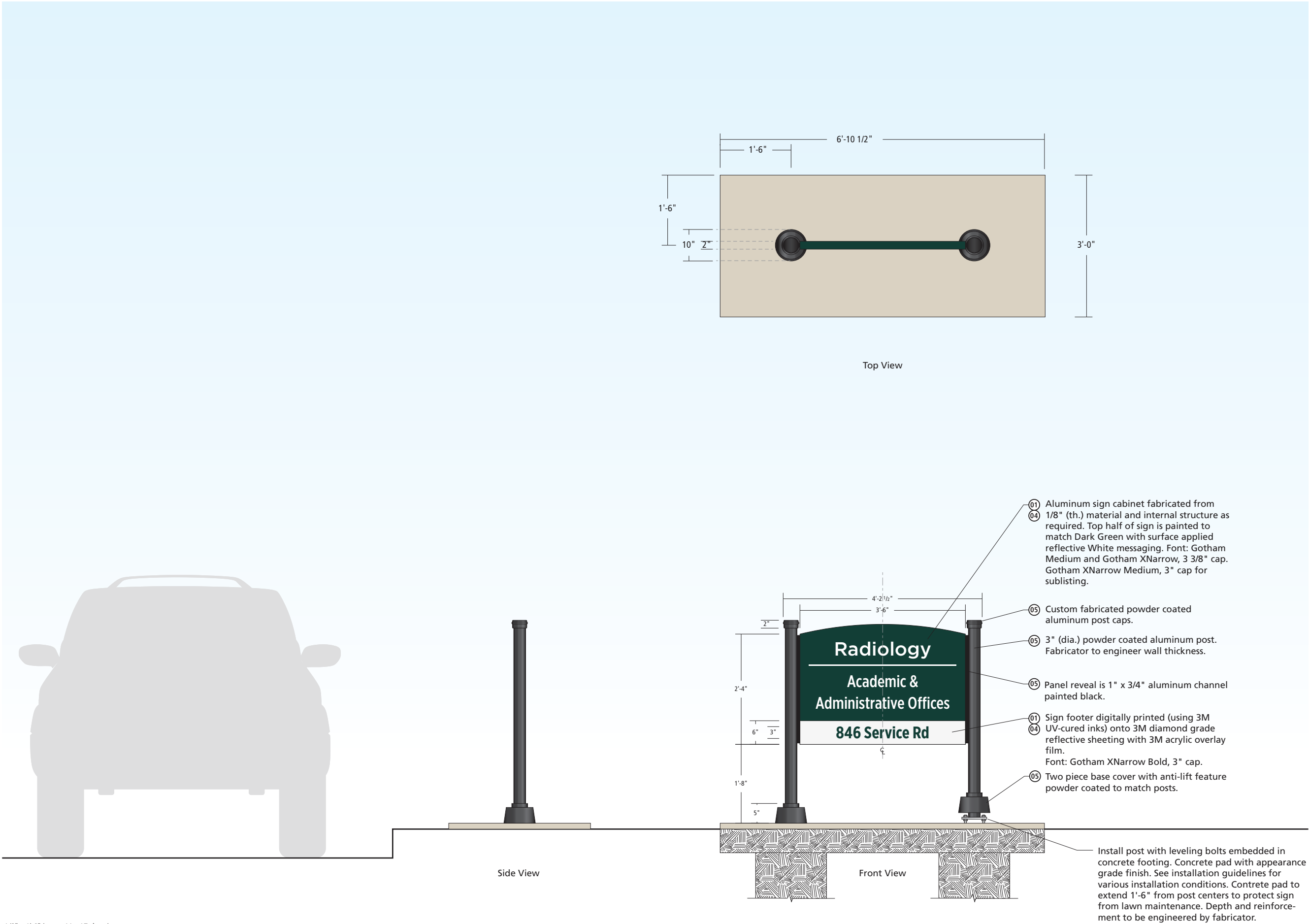
Client

MICHIGAN STATE  
UNIVERSITY



corbindesign

109 East Front Suite 304  
Traverse City, MI 49684  
231 947.1236



1/2" = 1'-0" (on an 11 x 17 sheet)

Sign Type

Ix-7a

Building ID – Small Narrow,  
Freestanding

Scale

1/2" = 1'-0"  
(on an 11 x 17 sheet)

Color Code

- 01 Dark Green
- 02 Patina Green
- 03 Lime Green
- 04 White
- 05 Black
- 06 Red
- 07 Silver Gray

Notes

This drawing is design-intent only. Fabricator is responsible for fabrication and overall level of quality. Any changes in design, materials, fabrication method or other details must be approved by Corbin Design and Michigan State University.

| Date    | Description      |
|---------|------------------|
| 7.21.15 | Standards Manual |
| 11.6.15 | Revised          |
| 2.28.18 | Revised          |

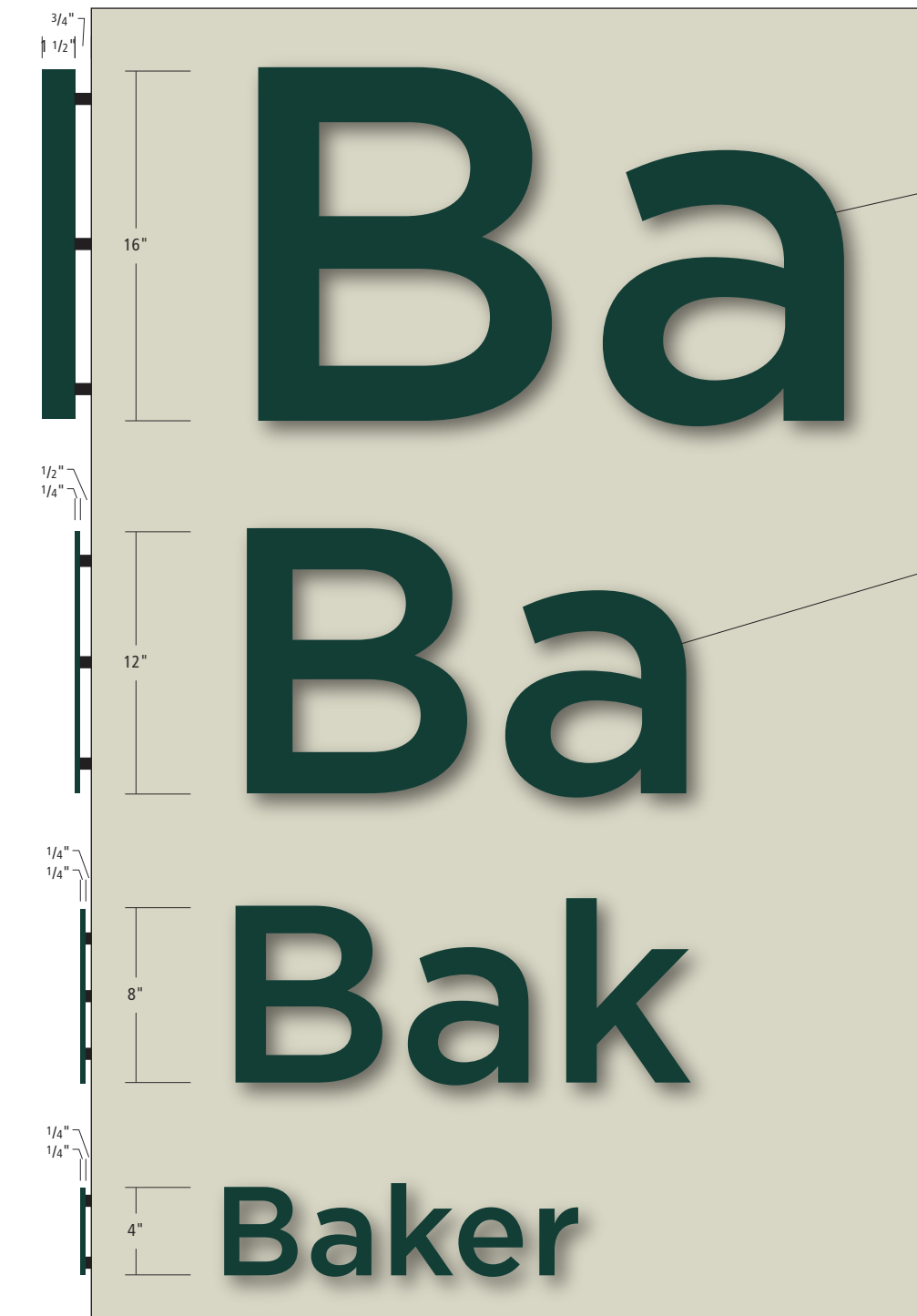
Client

MICHIGAN STATE  
UNIVERSITY



corbindesign

109 East Front Suite 304  
Traverse City, MI 49684  
231 947.1236



Side view

Front view – Individual Letters for Light Backgrounds

01 All individual letters above 12" cap height to be channel letters fabricated from aluminum. Paint to match Dark Green or White depending on building color. Mounted with studs and stand-offs welded to reverse side of letters, secured with silicone adhesive or other per code.

01 All individual letters below 12" cap height fabricated from 1/4" (th.) aluminum. Paint to match Dark Green or White depending on building color. Mounted with studs and stand-offs welded to reverse side of letters, secured with silicone adhesive or other per code.



Side view

Front view – Individual Letters for Dark Backgrounds



Example – Limestone/light colored background



Example – Dark colored background

Sign Type **Ix-8-##-G/W/S/B** Letter Color (Green/White/Silver/Black)  
Size of letter in inches  
For example, an Ix-8-08-G would be a green 8" letter  
Specification Code

## Sign Type

### Ix-8

Building ID – Individual Letters

## Scale

1/2" = 1'-0"  
(on an 11 x 17 sheet)

## Color Code

- 01 Dark Green
- 02 Patina Green
- 03 Lime Green
- 04 White
- 05 Black
- 06 Red
- 07 Silver Gray

## Notes

This drawing is design-intent only. Fabricator is responsible for fabrication and overall level of quality. Any changes in design, materials, fabrication method or other details must be approved by Corbin Design and Michigan State University.

| Date    | Description      |
|---------|------------------|
| 7.21.15 | Standards Manual |
| 11.6.15 | Revised          |
| 2.28.18 | Revised          |

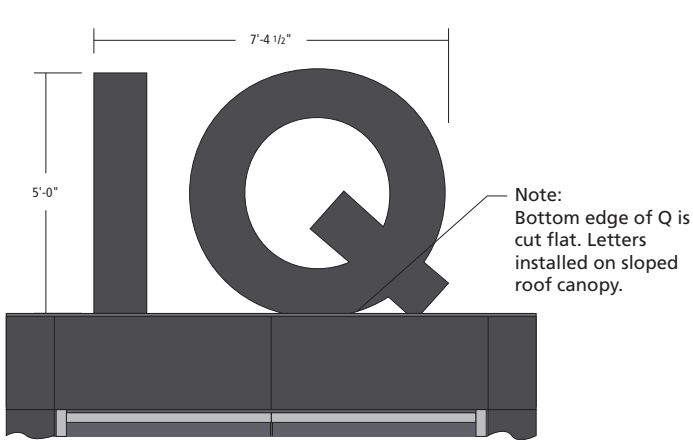
## Client

MICHIGAN STATE  
UNIVERSITY

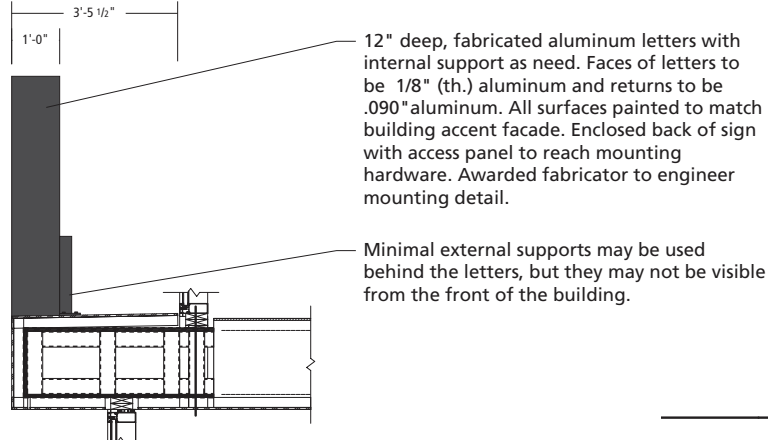
>

corbindesign

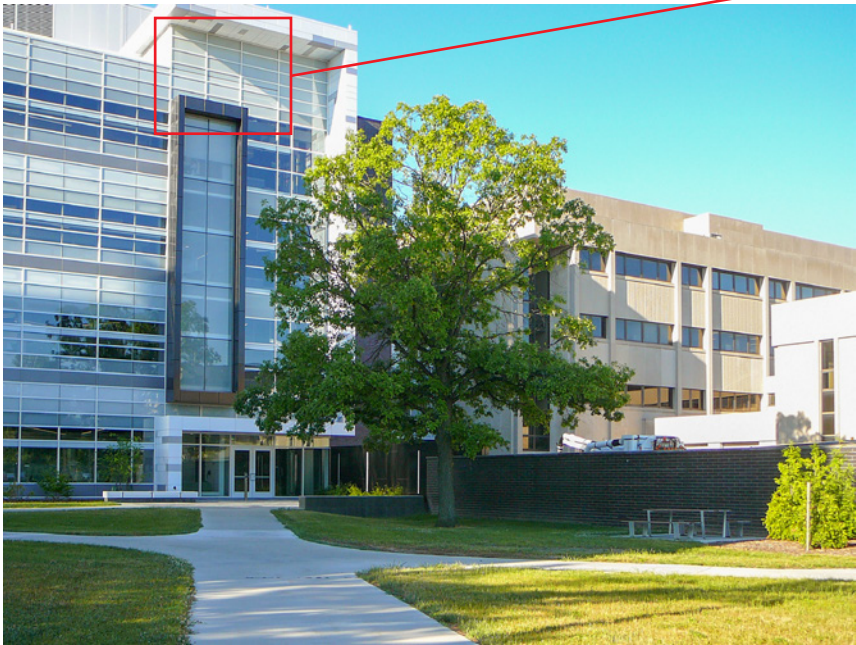
109 East Front Suite 304  
Traverse City, MI 49684  
231 947.1236



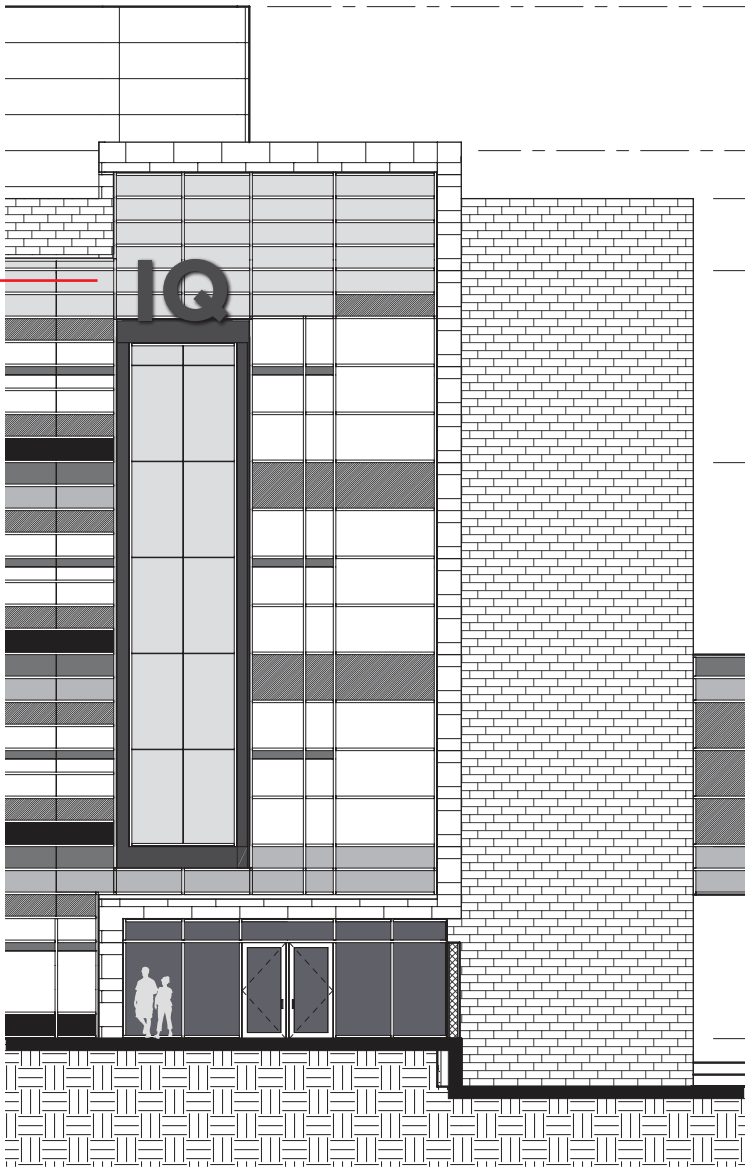
Ix-8-60-B Building ID, Individual Letters  
Scale 1/4"=1'-0"



6  
A5.2 SECT DTL - COLLAB SPACE-P'HOUSE



Proposed Location



2  
A2.1 NORTH EXTERIOR ELEVATION  
1/16"=1'-0"

Sign Type

**Ix-8**  
Building ID – Individual Letters Illuminated

Scale

1/2" = 1'-0"  
(on an 11 x 17 sheet)

Color Code

- 01 Dark Green
- 02 Patina Green
- 03 Lime Green
- 04 White
- 05 Black
- 06 Red
- 07 Silver Gray

Notes

This drawing is design-intent only. Fabricator is responsible for fabrication and overall level of quality. Any changes in design, materials, fabrication method or other details must be approved by Corbin Design and Michigan State University.

Date Description

|         |                  |
|---------|------------------|
| 7.21.15 | Standards Manual |
| 11.6.15 | Revised          |
| 2.28.18 | Revised          |

Client

**MICHIGAN STATE**  
UNIVERSITY



**corbindesign**

109 East Front Suite 304  
Traverse City, MI 49684  
231 947.1236



**Recommended Background Panel Size for Building Identification Signage  
Single Line**

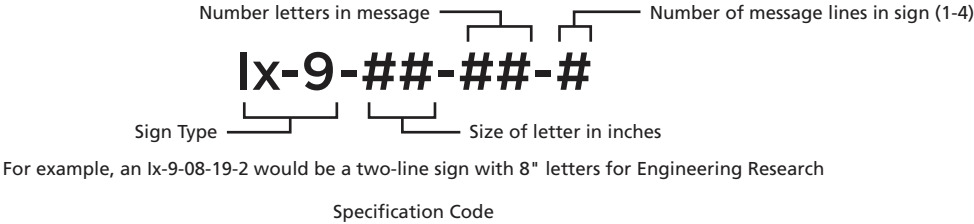
Use the cap height specified for the sign location to determine the size of the background panel surrounding the letters. (See illustration)

In the illustration the cap height corresponds with the letter “X”. The height of the letter X is measured by using the height of a letterform with square edges, like an “E” or “F”. This height is then used to specify a distance from the outside boundary of the building name. That distance is used as the size of the background panel. Do not count ascenders or descenders of lower case letterforms.

Alternate sign layouts may be considered based on height and width restrictions or limitations per individual site or sign location.



**Recommended Background Panel Size for Building Identification Signage  
Multiple Line**



Side View



Sign Shown on a Brick background

Front View

- 01 1 1/2" (th.) aluminum background panel fabricated from 1/8" (th.) material and internal structure as required. Paint to match Dark Green.
- 04 1/2" (th.) aluminum letters painted to match White. Font: Gotham Medium. See sign message schedule for cap height.

Sign Type

Ix-9

Building ID – Wall-mounted

Scale

1/2" = 1'-0"  
(on an 11 x 17 sheet)

Color Code

01

Dark Green

02

Patina Green

03

Lime Green

04

White

05

Black

06

Red

07

Sliver Gray

Notes

This drawing is design-intent only. Fabricator is responsible for fabrication and overall level of quality. Any changes in design, materials, fabrication method or other details must be approved by Corbin Design and Michigan State University.

| Date    | Description      |
|---------|------------------|
| 7.21.15 | Standards Manual |
| 11.6.15 | Revised          |
| 2.28.18 | Revised          |

Client

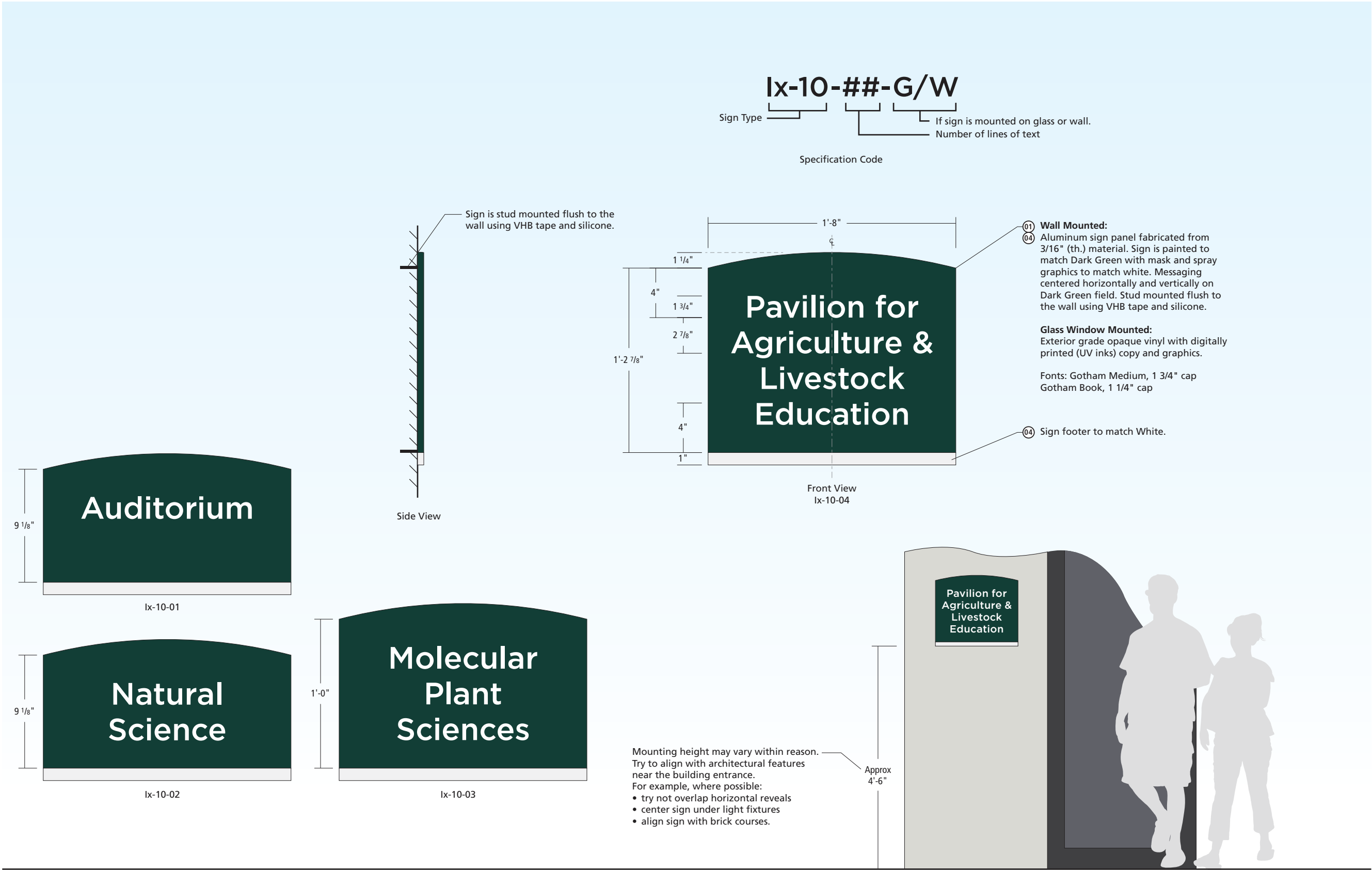
MICHIGAN STATE

UNIVERSITY

>

corbindesign

109 East Front Suite 304  
Traverse City, MI 49684  
231 947.1236



| Sign Type                                                                                                                                                                                                                                          |                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| Ix-10                                                                                                                                                                                                                                              |                  |
| Building Entrance ID – Glass or Wall-mounted                                                                                                                                                                                                       |                  |
| Scale                                                                                                                                                                                                                                              |                  |
| 1 1/2" = 1'-0"<br>(on an 11 x 17 sheet)                                                                                                                                                                                                            |                  |
| Color Code                                                                                                                                                                                                                                         |                  |
| 01                                                                                                                                                                                                                                                 | Dark Green       |
| 02                                                                                                                                                                                                                                                 | Patina Green     |
| 03                                                                                                                                                                                                                                                 | Lime Green       |
| 04                                                                                                                                                                                                                                                 | White            |
| 05                                                                                                                                                                                                                                                 | Black            |
| 06                                                                                                                                                                                                                                                 | Red              |
| 07                                                                                                                                                                                                                                                 | Silver Gray      |
| Notes                                                                                                                                                                                                                                              |                  |
| This drawing is design-intent only. Fabricator is responsible for fabrication and overall level of quality. Any changes in design, materials, fabrication method or other details must be approved by Corbin Design and Michigan State University. |                  |
| Date                                                                                                                                                                                                                                               | Description      |
| 7.21.15                                                                                                                                                                                                                                            | Standards Manual |
| 11.6.15                                                                                                                                                                                                                                            | Revised          |
| 2.28.18                                                                                                                                                                                                                                            | Revised          |
| Client                                                                                                                                                                                                                                             |                  |
| MICHIGAN STATE UNIVERSITY                                                                                                                                                                                                                          |                  |
| >                                                                                                                                                                                                                                                  |                  |
| corbindesign                                                                                                                                                                                                                                       |                  |
| 109 East Front Suite 304<br>Traverse City, MI 49684<br>231 947.1236                                                                                                                                                                                |                  |



Alternate Layouts

NOTE:  
HEIGHT OF SIGN  
MAY VARY BASED  
ON MESSAGING



01 Wall Mounted:  
04 Aluminum sign panel fabricated from 3/16" (th.) material. Sign is painted to match Dark Green with mask and spray graphics to match white. Messaging centered horizontally and vertically on Dark Green field. Stud mounted flush to the wall using VHB tape and silicone.

Glass Window Mounted:  
Exterior grade opaque vinyl with digitally printed (UV inks) copy and graphics.

Fonts: Gotham Medium, 1 3/4" cap  
Gotham Book, 1 1/4" cap

Sign Type: Ix-10a-##-G/W  
Specification Code: Ix-10a-##-G/W  
If sign is mounted on glass or wall.  
Number of lines of text

Mounting height may vary within reason. Try to align with architectural features near the building entrance. For example, where possible:

- try not overlap horizontal reveals
- center sign under light fixtures
- align sign with brick courses.

Approx 4'-3"

Mounting View  
(1/2" = 1'-0")

## Sign Type

### Ix-10a

Building Entrance ID –  
Glass or Wall-mounted  
Address Option

## Scale

1 1/2" = 1'-0"  
(on an 11 x 17 sheet)

## Color Code

- 01 Dark Green
- 02 Patina Green
- 03 Lime Green
- 04 White
- 05 Black
- 06 Red
- 07 Silver Gray

## Notes

This drawing is design-intent only. Fabricator is responsible for fabrication and overall level of quality. Any changes in design, materials, fabrication method or other details must be approved by Corbin Design and Michigan State University.

| Date    | Description      |
|---------|------------------|
| 7.21.15 | Standards Manual |
| 11.6.15 | Revised          |
| 2.28.18 | Revised          |

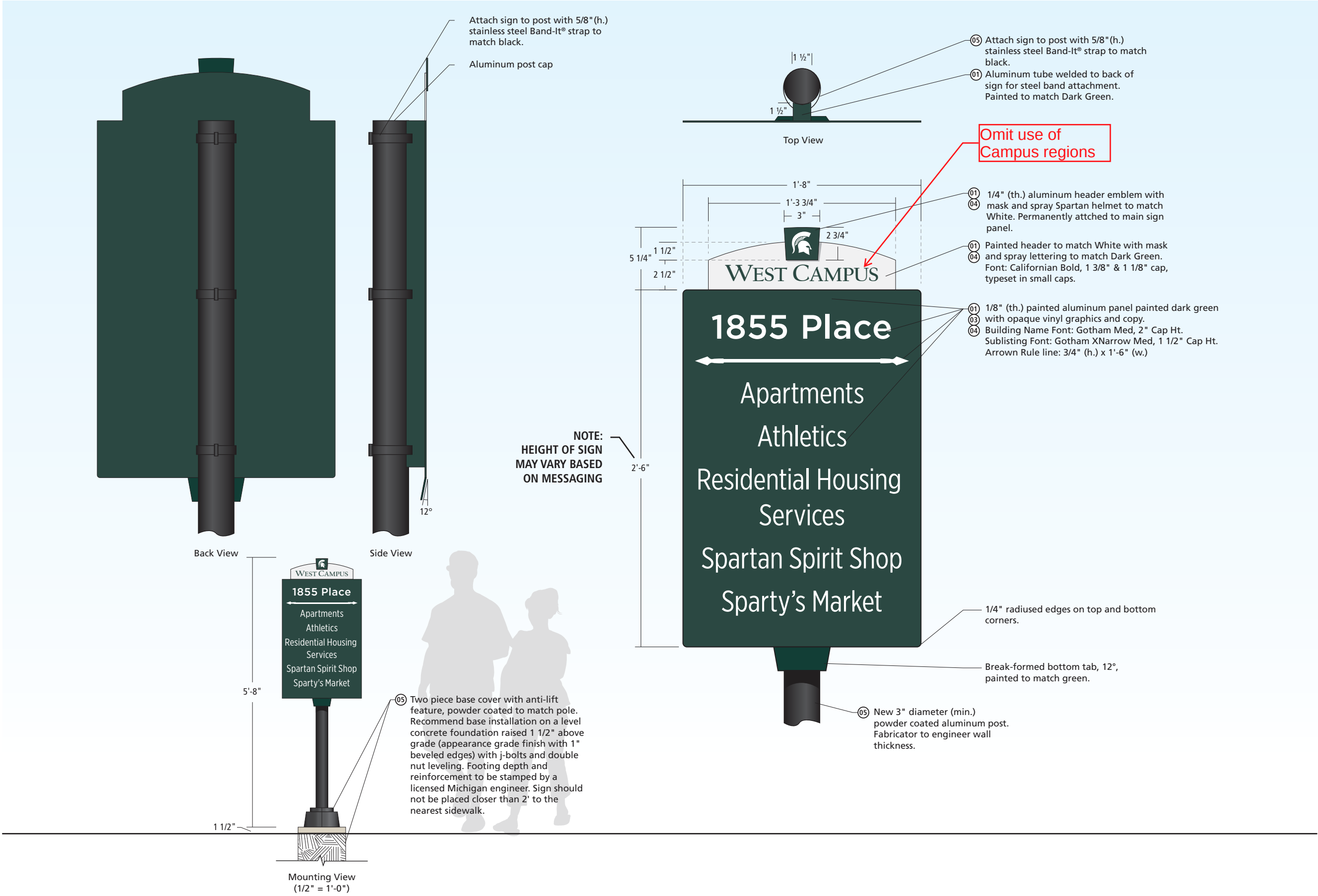
## Client

MICHIGAN STATE  
UNIVERSITY



corbindesign

109 East Front Suite 304  
Traverse City, MI 49684  
231 947.1236



Sign Type

**Ix-10b**  
**Building Entrance ID**  
**Freestanding Pedestrian**

Scale

1 1/2" = 1'-0"  
(on an 11 x 17 sheet)

Color Code

- 01 Dark Green
- 02 Patina Green
- 03 Lime Green
- 04 White
- 05 Black
- 06 Red
- 07 Silver Gray

Notes

This drawing is design-intent only. Fabricator is responsible for fabrication and overall level of quality. Any changes in design, materials, fabrication method or other details must be approved by Corbin Design and Michigan State University.

Date Description

|         |                  |
|---------|------------------|
| 7.21.15 | Standards Manual |
| 11.6.15 | Revised          |
| 2.28.18 | Revised          |

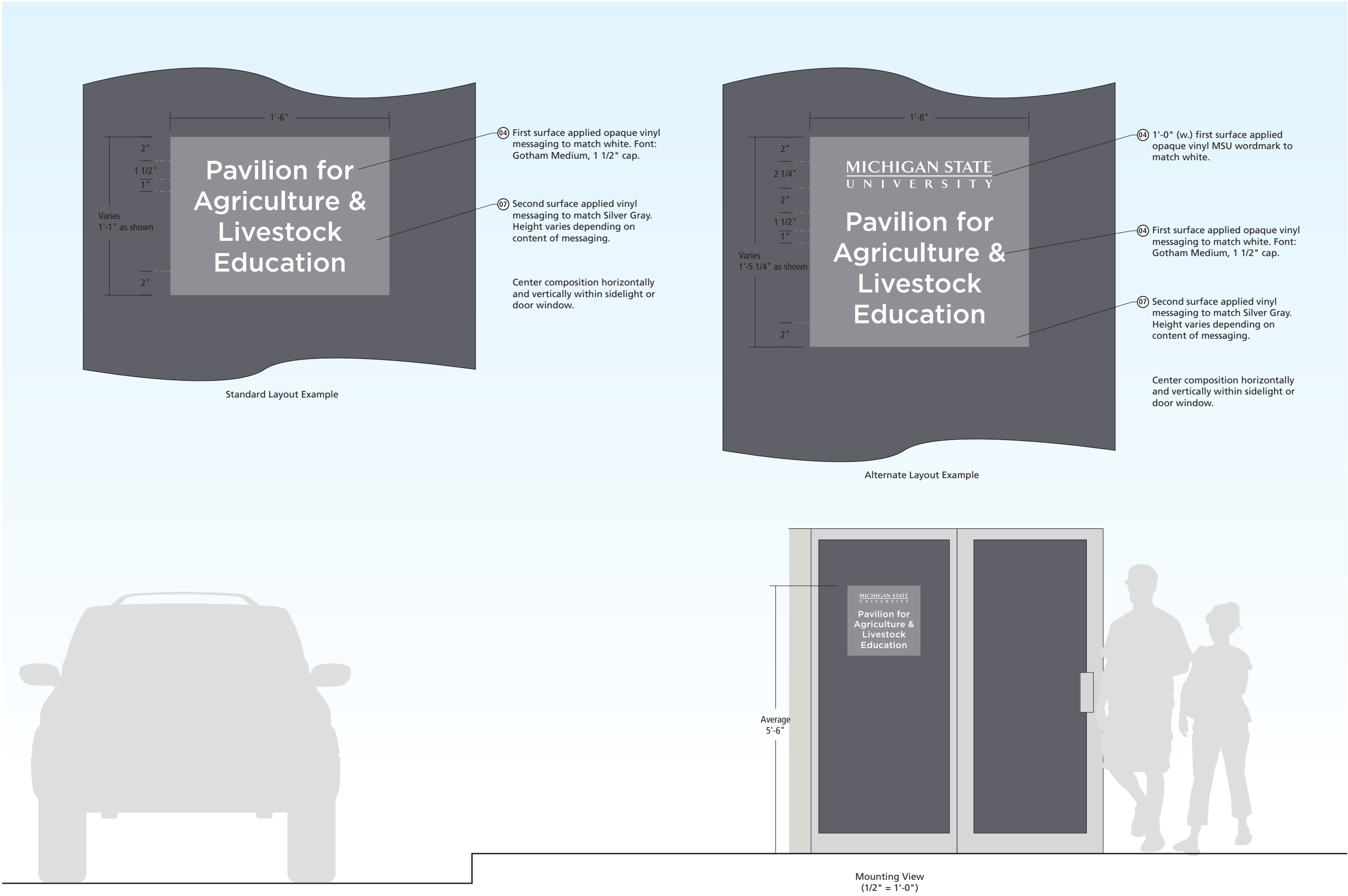
Client

**MICHIGAN STATE**  
**UNIVERSITY**

>

**corbindesign**

109 East Front Suite 304  
Traverse City, MI 49684  
231 947.1236



**Sign Type**

**Ix-11**  
Building Entrance ID – Vinyl on Glass

**Scale**  
1 1/2" = 1'-0"  
(on an 11 x 17 sheet)

**Color Code**

|    |              |
|----|--------------|
| 01 | Dark Green   |
| 02 | Patina Green |
| 03 | Lime Green   |
| 04 | White        |
| 05 | Black        |
| 06 | Red          |
| 07 | Sliver Gray  |

**Notes**

This drawing is design-intent only. Fabricator is responsible for fabrication and overall level of quality. Any changes in design, materials, fabrication method or other details must be approved by Corbin Design and Michigan State University.

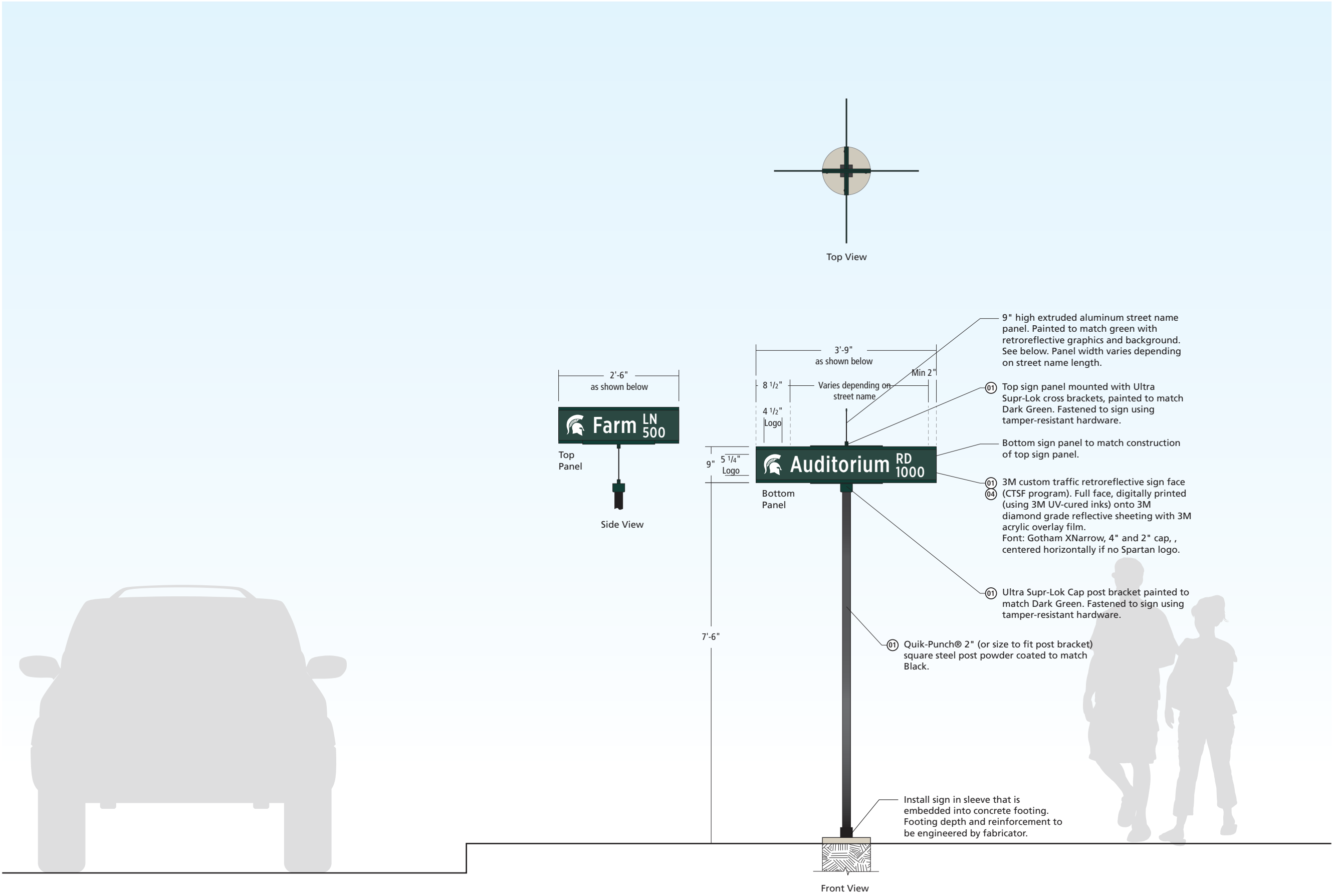
| Date    | Description      |
|---------|------------------|
| 7.21.15 | Standards Manual |
| 11.6.15 | Revised          |
| 2.28.18 | Revised          |

**Client**

**MICHIGAN STATE**  
UNIVERSITY

>

**corbindesign**  
109 East Front Suite 304  
Traverse City, MI 49684  
231 947.1236



#### Sign Type

### Ix-12

#### Street Name Sign

#### Scale

1/2" = 1'-0"  
(on an 11 x 17 sheet)

#### Color Code

- 01 Dark Green
- 02 Patina Green
- 03 Lime Green
- 04 White
- 05 Black
- 06 Red
- 07 Silver Gray

#### Notes

This drawing is design-intent only. Fabricator is responsible for fabrication and overall level of quality. Any changes in design, materials, fabrication method or other details must be approved by Corbin Design and Michigan State University.

| Date    | Description      |
|---------|------------------|
| 7.21.15 | Standards Manual |
| 11.6.15 | Revised          |
| 2.28.18 | Revised          |

#### Client

**MICHIGAN STATE**  
UNIVERSITY



**corbindesign**

109 East Front Suite 304  
Traverse City, MI 49684  
231 947.1236



Sign Type

**Ix-13**  
District Banner

Scale

1/2" = 1'-0"  
(on an 11 x 17 sheet)

Color Code

- 01 Dark Green
- 02 Patina Green
- 03 Lime Green
- 04 White
- 05 Black
- 06 Red
- 07 Silver Gray

Notes

This drawing is design-intent only. Fabricator is responsible for fabrication and overall level of quality. Any changes in design, materials, fabrication method or other details must be approved by Corbin Design and Michigan State University.

Date Description

|         |                  |
|---------|------------------|
| 7.21.15 | Standards Manual |
| 11.6.15 | Revised          |
| 2.28.18 | Revised          |

Client

**MICHIGAN STATE**  
UNIVERSITY

>

**corbindesign**

109 East Front Suite 304  
Traverse City, MI 49684  
231 947.1236

Sign Specifications

5" deep aluminum cabinet with 1/8" (th) faces and internal support as needed. Face and returns painted dark green. Awarded fabricator to determine spacing from helmet and building. Helmet to be white halo lit at night.

Remote transformers located within the building will be required. Fabricator to work with architect to determine location of transformers.

Size varies depending on application. Where possible, the face of the helmet and the plume should not have any visible seams. Butt/flush seams should only be used when the sign will be located 5 stories or higher on a building. Otherwise, fill weld, grind and finish all alumimum seams on the face of the logo.



DAY



NIGHT

Sign Type

Ix-14

Spartan Logo – Illuminated

Scale

1 1/2" = 1'-0"

(on an 11 x 17 sheet)

Color Code

01

Dark Green

02

Patina Green

03

Lime Green

04

White

05

Black

06

Red

07

Silver Gray

Notes

This drawing is design-intent only. Fabricator is responsible for fabrication and overall level of quality. Any changes in design, materials, fabrication method or other details must be approved by Corbin Design and Michigan State University.

| Date    | Description      |
|---------|------------------|
| 7.21.15 | Standards Manual |
| 11.6.15 | Revised          |
| 2.28.18 | Revised          |

Client

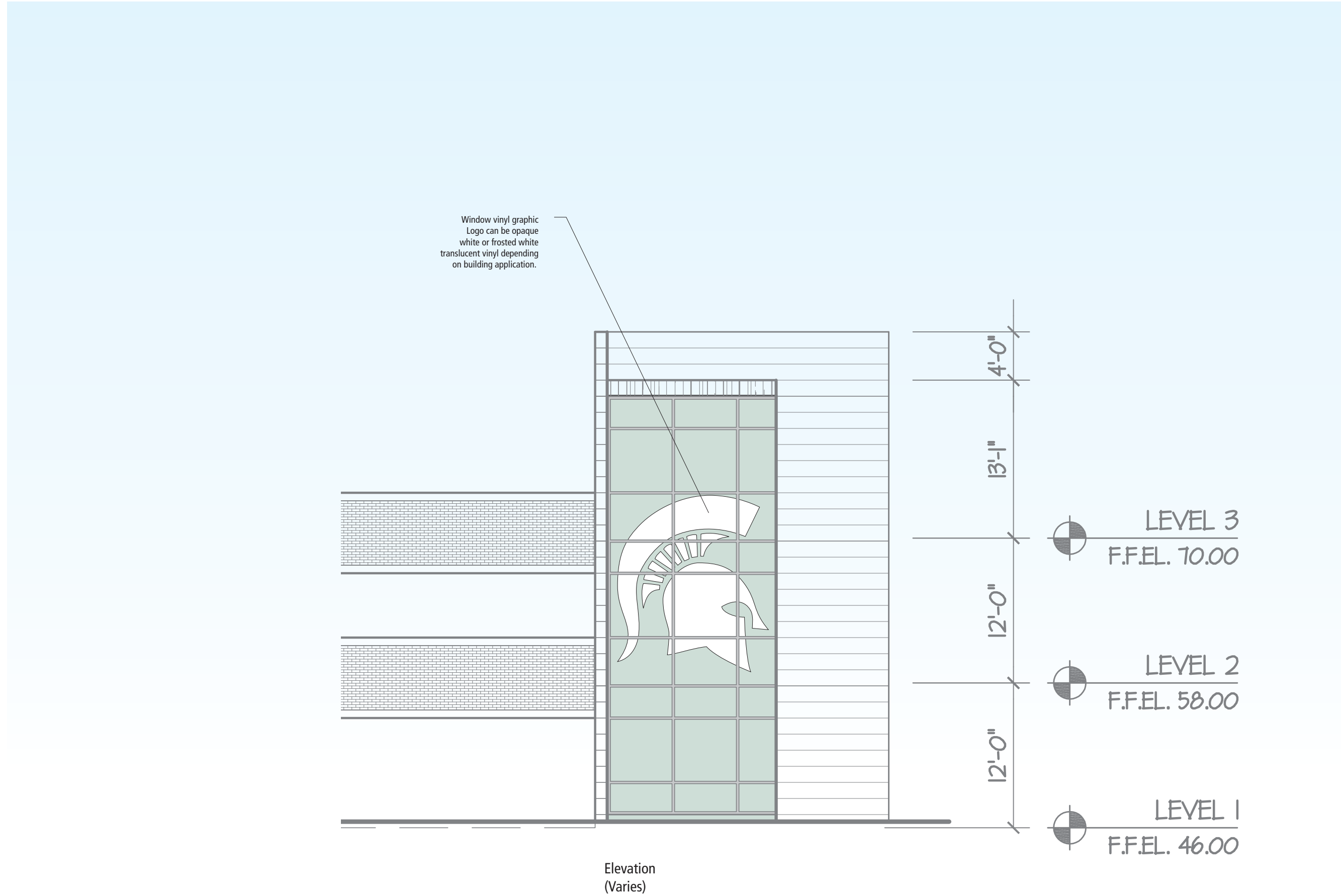
MICHIGAN STATE

UNIVERSITY

>

corbindesign

109 East Front Suite 304  
Traverse City, MI 49684  
231 947.1236



Sign Type

Ix-15

Spartan Logo – Vinyl

Scale

1 1/2" = 1'-0"  
(on an 11 x 17 sheet)

Color Code

01

Dark Green

02

Patina Green

03

Lime Green

04

White

05

Black

06

Red

07

Silver Gray

Notes

This drawing is design-intent only. Fabricator is responsible for fabrication and overall level of quality. Any changes in design, materials, fabrication method or other details must be approved by Corbin Design and Michigan State University.

| Date    | Description      |
|---------|------------------|
| 7.21.15 | Standards Manual |
| 11.6.15 | Revised          |
| 2.28.18 | Revised          |

Client

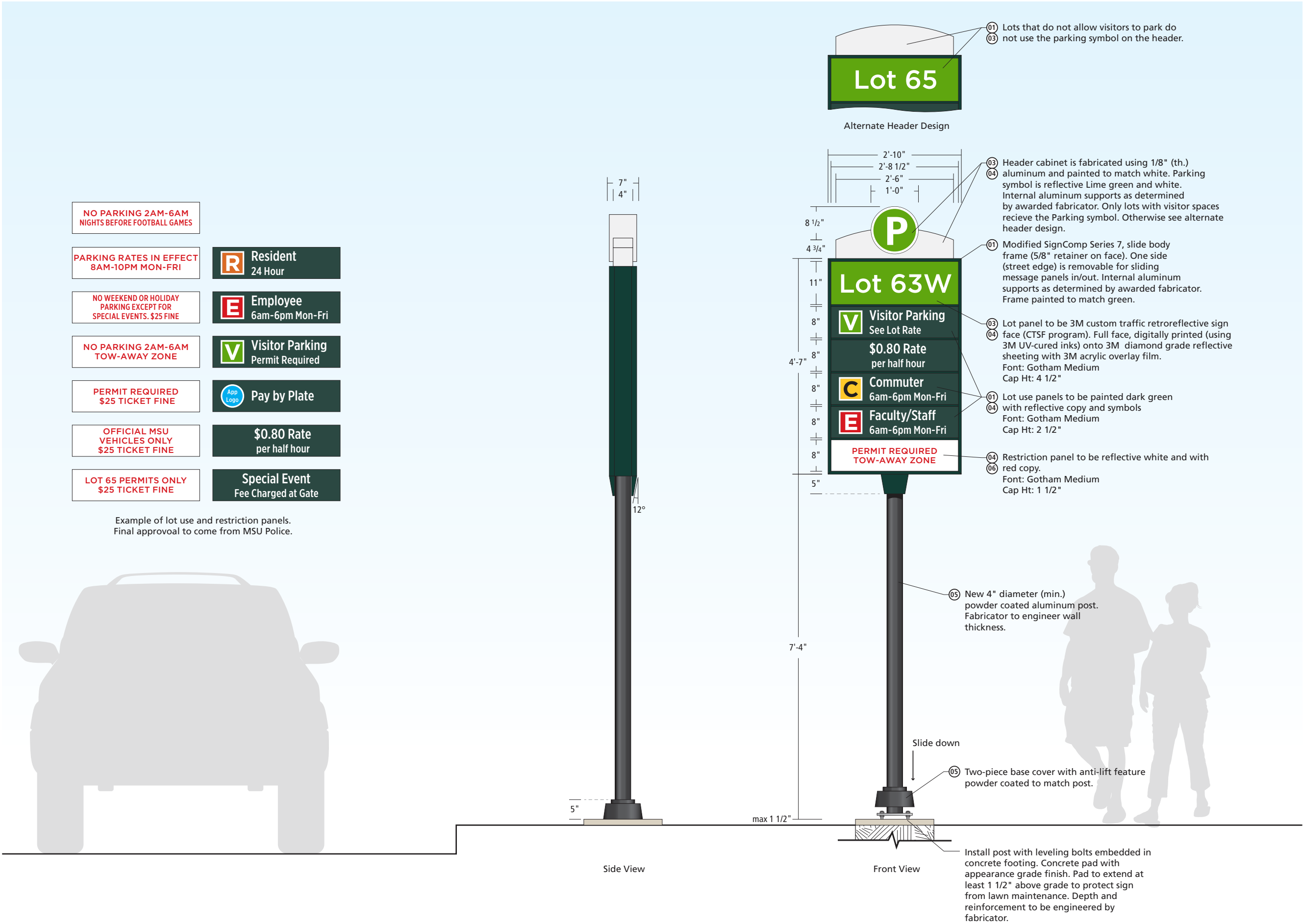
MICHIGAN STATE

UNIVERSITY

>

corbindesign

109 East Front Suite 304  
Traverse City, MI 49684  
231 947.1236



**Sign Type**

**Px-1**  
Parking ID – Large

**Scale**  
1/2" = 1'-0"  
(on an 11 x 17 sheet)

**Color Code**

|    |              |
|----|--------------|
| 01 | Dark Green   |
| 02 | Patina Green |
| 03 | Lime Green   |
| 04 | White        |
| 05 | Black        |
| 06 | Red          |
| 07 | Silver Gray  |

**Notes**

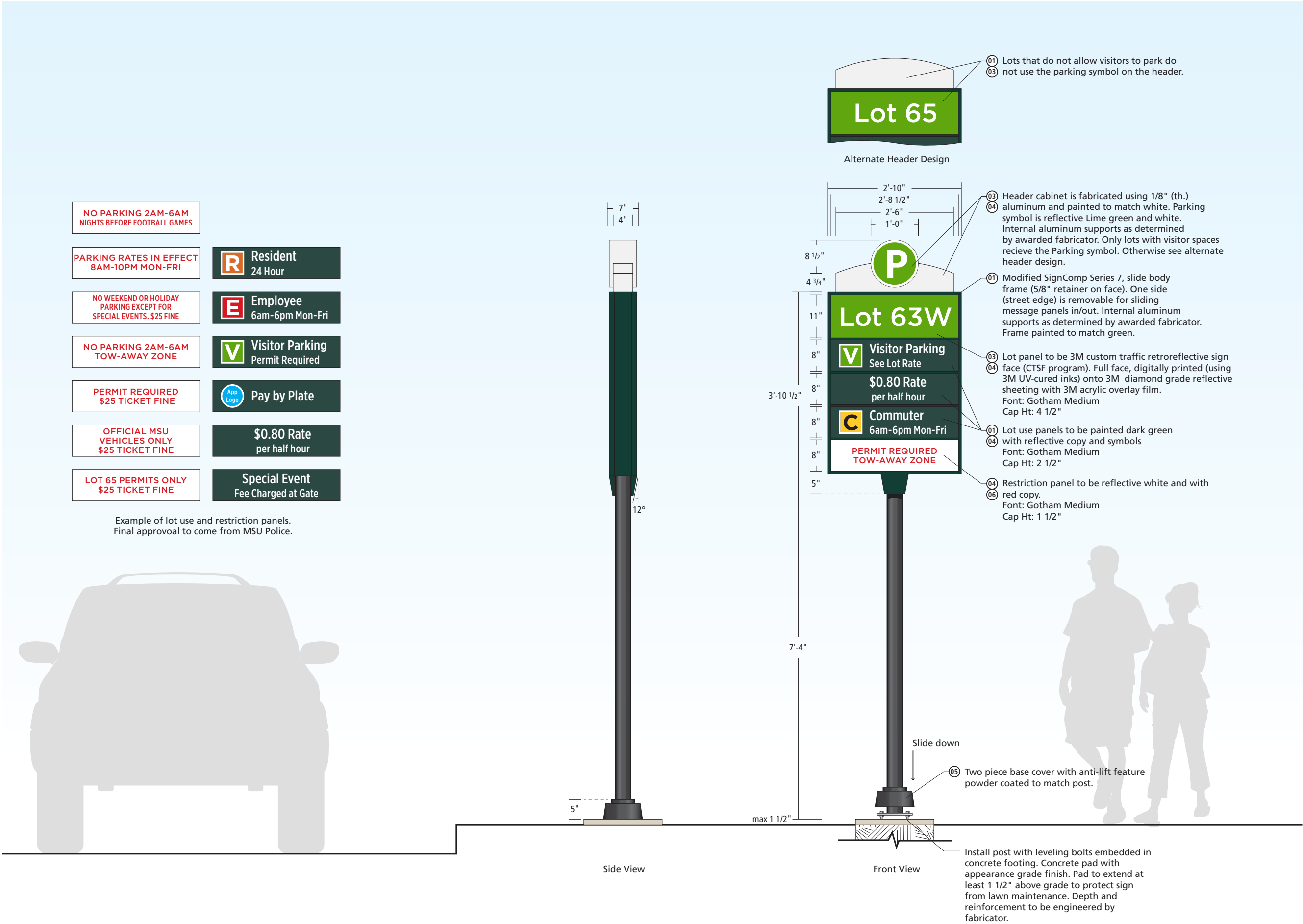
This drawing is design-intent only. Fabricator is responsible for fabrication and overall level of quality. Any changes in design, materials, fabrication method or other details must be approved by Corbin Design and Michigan State University.

| Date    | Description      |
|---------|------------------|
| 7.21.15 | Standards Manual |
| 11.6.15 | Revised          |
| 2.28.18 | Revised          |

**Client**

**MICHIGAN STATE UNIVERSITY**

**>**  
**corbindesign**  
109 East Front Suite 304  
Traverse City, MI 49684  
231 947.1236



Sign Type

**Px-2**  
**Parking ID – Medium**

Scale

1/2" = 1'-0"  
(on an 11 x 17 sheet)

Color Code

- 01 Dark Green
- 02 Patina Green
- 03 Lime Green
- 04 White
- 05 Black
- 06 Red
- 07 Silver Gray

Notes

This drawing is design-intent only. Fabricator is responsible for fabrication and overall level of quality. Any changes in design, materials, fabrication method or other details must be approved by Corbin Design and Michigan State University.

Date Description

|         |                  |
|---------|------------------|
| 7.21.15 | Standards Manual |
| 11.6.15 | Revised          |
| 2.28.18 | Revised          |

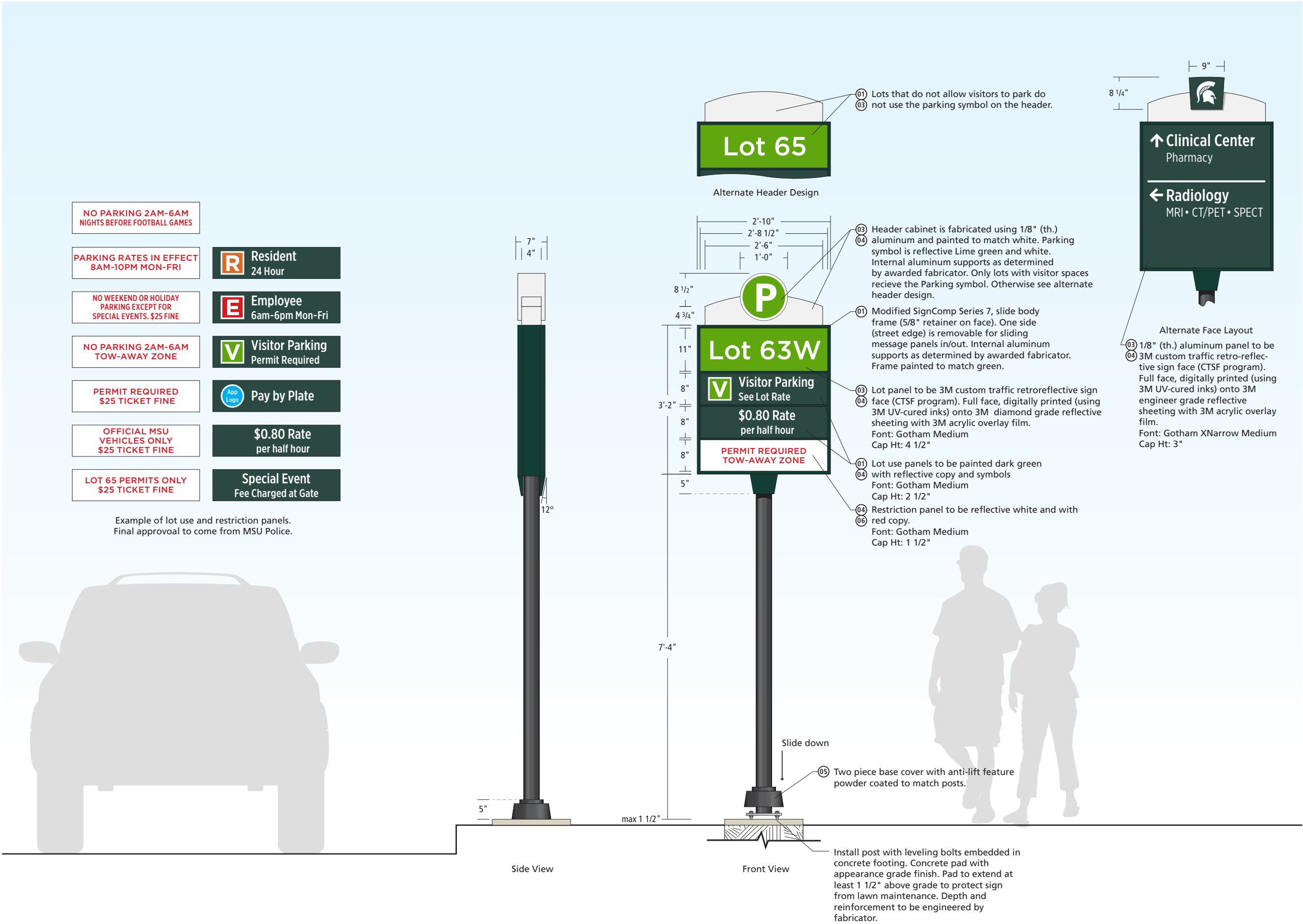
Client

**MICHIGAN STATE**  
**UNIVERSITY**



**corbindesign**

109 East Front Suite 304  
Traverse City, MI 49684  
231 947.1236



Sign Type

Px-3

Parking ID – Small

Scale

1/2" = 1'-0"  
(on an 11 x 17 sheet)

Color Code

- 01 Dark Green
- 02 Patina Green
- 03 Lime Green
- 04 White
- 05 Black
- 06 Red
- 07 Silver Gray

Notes

This drawing is design-intent only. Fabricator is responsible for fabrication and overall level of quality. Any changes in design, materials, fabrication method or other details must be approved by Corbin Design and Michigan State University.

Date Description

|         |                  |
|---------|------------------|
| 7.21.15 | Standards Manual |
| 11.6.15 | Revised          |
| 2.28.18 | Revised          |

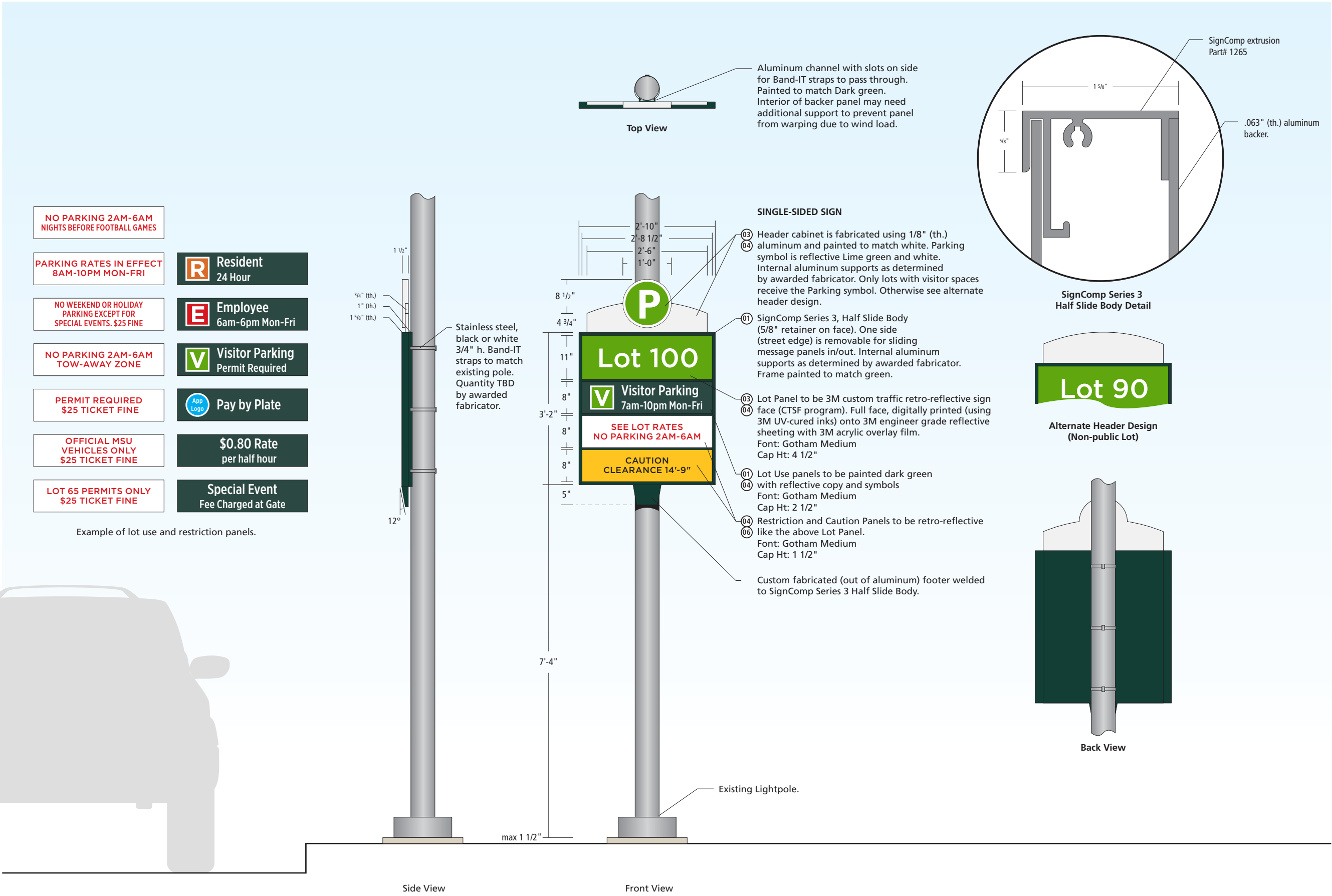
Client

MICHIGAN STATE  
UNIVERSITY



corbindesign

109 East Front Suite 304  
Traverse City, MI 49684  
231 947.1236



Sign Type

Px-3a

Parking ID – Small, Existing Pole

Scale

1/2" = 1'-0"  
(on an 11 x 17 sheet)

Color Code

- ① Dark Green
- ② Patina Green
- ③ Lime Green
- ④ White
- ⑤ Black
- ⑥ Red
- ⑦ Silver Gray

Notes

This drawing is design-intent only. Fabricator is responsible for fabrication and overall level of quality. Any changes in design, materials, fabrication method or other details must be approved by Corbin Design and Michigan State University.

| Date    | Description      |
|---------|------------------|
| 7.21.15 | Standards Manual |
| 11.6.15 | Revised          |
| 2.28.18 | Revised          |

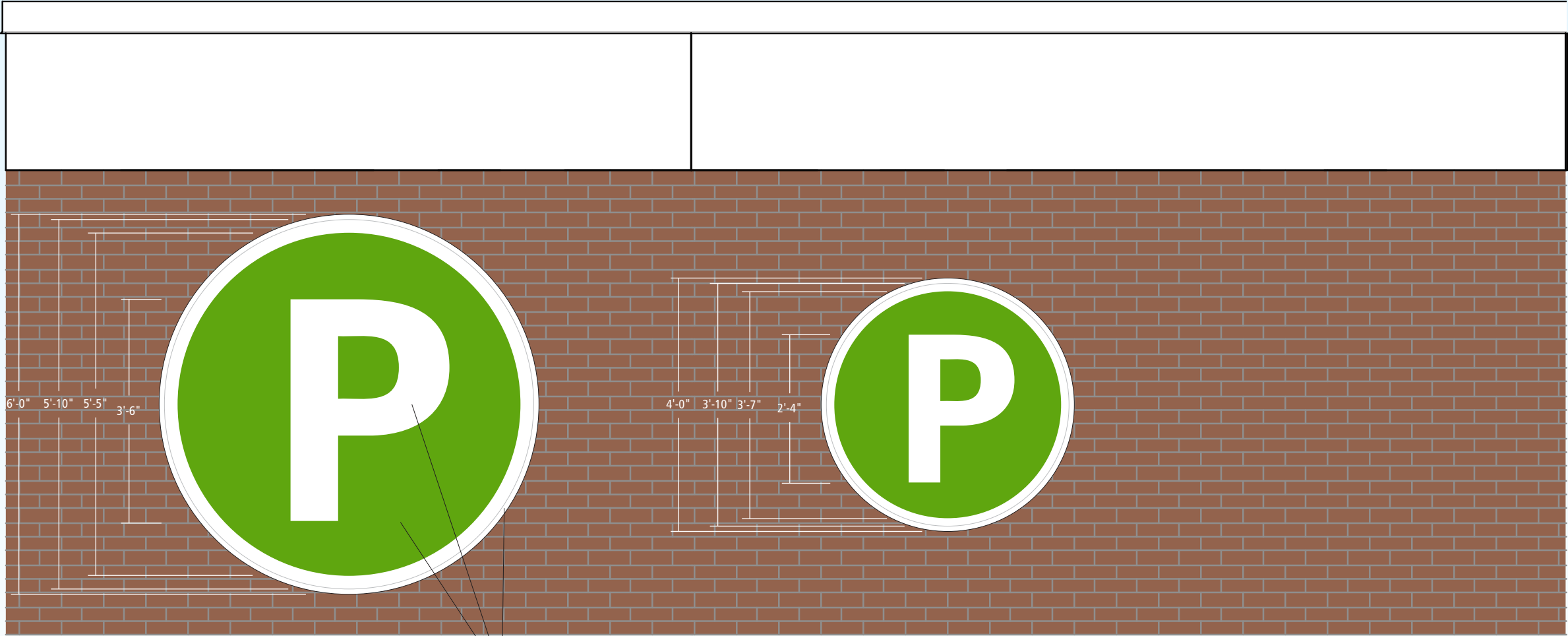
Client

**MICHIGAN STATE UNIVERSITY**



**corbindesign**

109 East Front Suite 304  
Traverse City, MI 49684  
231 947.1236



Front View  
Px-4-06

Front View  
Px-4-04

Sign Type

Px-4

Parking Garage ID – Large

Parking Garage ID – Small

Scale

1/2" = 1'-0"  
(on an 11 x 17 sheet)

Color Code

- 01 Dark Green
- 02 Patina Green
- 03 Lime Green
- 04 White
- 05 Black
- 06 Red
- 07 Sliver Gray

Notes

This drawing is design-intent only. Fabricator is responsible for fabrication and overall level of quality. Any changes in design, materials, fabrication method or other details must be approved by Corbin Design and Michigan State University.

Date Description

|         |                  |
|---------|------------------|
| 7.21.15 | Standards Manual |
| 11.6.15 | Revised          |
| 2.28.18 | Revised          |

Client

MICHIGAN STATE  
UNIVERSITY



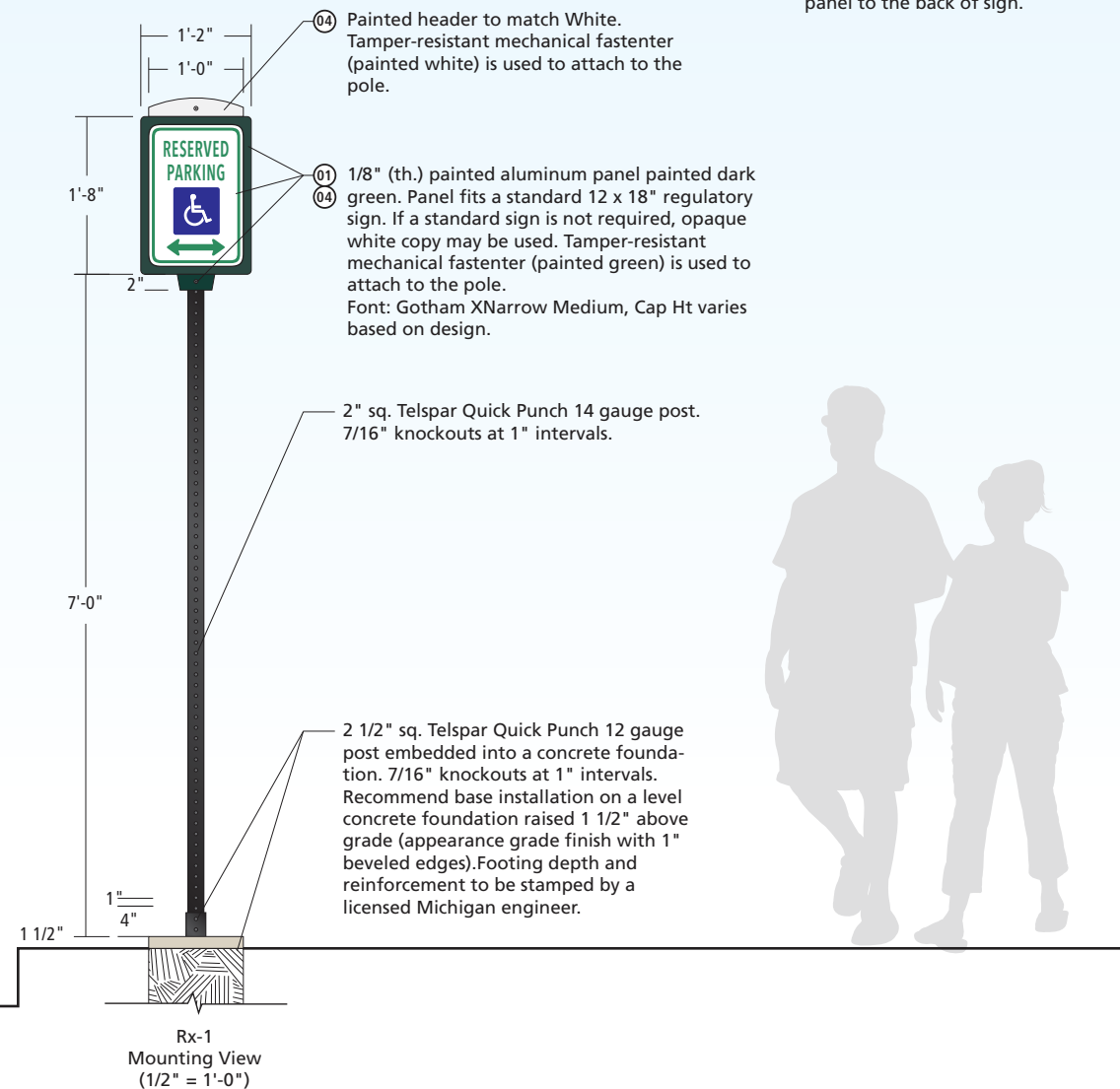
corbindesign

109 East Front Suite 304  
Traverse City, MI 49684  
231 947.1236



Rx-1a-2  
**DOUBLE-SIDE SIGN**  
Isometric View

This sign type adds a second panel to the back of sign.

Sign Type

**Rx-1/1a/2/2a**

Regulatory

Scale

1 1/2" = 1'-0"  
(on an 11 x 17 sheet)

### Color Code

- 01  Dark Green
- 02  Patina Green
- 03  Lime Green
- 04  White
- 05  Black
- 06  Red
- 07  Silver Gray

## Notes

This drawing is design-intent only. Fabricator is responsible for fabrication and overall level of quality. Any changes in design, materials, fabrication method or other details must be approved by Corbin Design and Michigan State University.

| Date | Description |
|------|-------------|
|------|-------------|

|         |                  |
|---------|------------------|
| 7.21.15 | Standards Manual |
| 11.6.15 | Revised          |
| 2.28.18 | Revised          |

Client

**MICHIGAN STATE**  
**UNIVERSITY**

>

**corbindesign**

109 East Front Suite 304  
Traverse City, MI 49684  
231 947.1236

DELETE PAGE

SECTION 10 14 00 – EXTERIOR SIGNAGE

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes specifications related to fabrication and installation of exterior project signage.
  - 1. Sign type details are listed in the Design Intent Drawings. Design drawings are provided to the Fabricator in PDF format, or in Adobe Illustrator CC.
  - 2. The materials, products, equipment and performance specifications within these documents describe the standard of required function, dimension, appearance, performance and quality to be met by the Fabricator.
- B. Fabricator’s responsibilities:
  - 1. Engineer, fabricate and install all signage and graphics per the final documents provided at contract award.
  - 2. Be knowledgeable of relevant federal, state and local code requirements, and be responsible for ensuring that all signs meet current local, state and federal codes, especially, but not limited to, ADA and Fire/Life Safety codes.
  - 3. Perform complete structural design and engineering of the signs and incorporate all the safety features necessary to adequately support the sign for its intended use and purpose, as required for approvals and permits, and to protect the Owner. All signs shall meet local, state and federal codes. Engineered shop drawings for project signage shall be reviewed, stamped and signed by a State of Michigan registered engineer. Shop drawings are to be provided for all sign elements.
  - 4. Engineer all signs, banners and mounting devices, unless otherwise indicated, to withstand the required wind load (normal to the sign, in addition to the weight of the sign) as specified by ASCE, American Society of Civil Engineers, or greater as per local, state or federal code.

- 5. Visit the site to observe existing conditions, verify mounting conditions and space availability, take field measurements and verify all signage locations with Owner’s Representative prior to starting fabrication.
- 6. Develop color graphic proofs of all sign faces using messaging from Sign Message Schedule.
- 7. Secure any and all necessary permits for signage installation.
- 8. Work with the Owner’s Representative to secure any necessary variances.
- 9. Notify the Owner’s Representative immediately if any discrepancies exist within the Construction Documents or field conditions.
- 10. Provide all submittals outlined in the specifications in a timely fashion and according to the agreed upon contract schedule.
- 11. Work with the Owner’s Representative to coordinate with other trades performing work on site.
- 12. Maintain all project related files such that the Owner may reorder additional signs for a minimum of 10 years after the completion of the work.

1.2 WARRANTY

- A. Extend in writing all manufacturers’ warranties.
- B. Obtain a minimum five (5) year extended warranty on all paint and powder coat applications.
- C. Obtain a minimum eight (8) year warranty on all custom color vinyl or flood-coated vinyl applications. Vinyl shall not fade excessively, discolor, crack, peel, blister, or loose reflectivity.
- D. Obtain a minimum five (5) year warranty on all applied vinyl applications. Vinyl shall not fade, discolor, delaminate, crack or curl.
- E. Provide a written full replacement warranty for five (5) years starting from the completion of installation that all signs will be free of defects due to craft work and materials including, but not limited to:
  - 1. Bubbling, chalking, rusting or other disintegration of the sign panel, graphics or of the edges.
  - 2. Corrosion appearing beneath paint surfaces of panels, brackets, posts or other support assemblies (except as an obvious result of vandalism or other external damage).

- 3. Corrosion of fasteners.
- 4. The assemblies not remaining true and plumb on their supports.
- 5. Fading, chalking and discoloration of the colors and finishes within the vinyl and paint manufacturer’s stated warranty period.
- 6. Peeling, delamination or warping (“oil canning”).
- 7. Repair and reinstallation of signage due to failed mountings.
- F. Repair or replace, including installation, any defective signs or hardware, which develop during the warranty period and repair any damage to other work due to such imperfections at no charge to the Owner and to the Owner’s satisfaction.
- G. The Fabricator will be required to fully replace all signs that are in error relative to the working documents (sign message schedule and sign type drawings) that were submitted to the Fabricator upon award of contract.

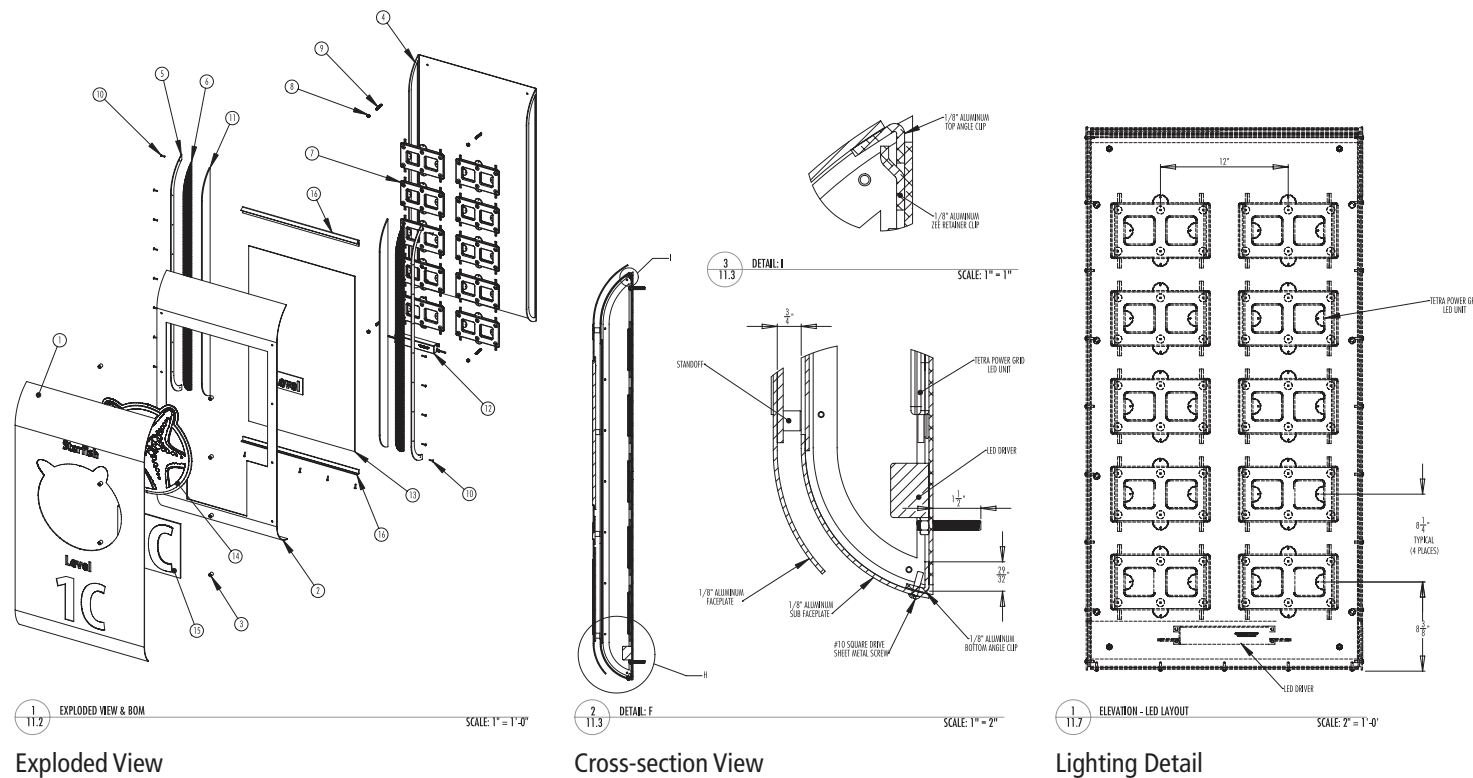
1.3 DESIGN RIGHTS

- A. The Fabricator is hereby granted limited right to the designs as shown and specified herein for the sole purpose of completing contractual obligations to fabricate and install project signage. Fabricator may not manufacture, reproduce or exhibit these designs, or modify them for any other purpose without prior written consent from the Owner/ Owner’s Representative.

1.4 SUBMITTALS

- A. Pre-Fabrication Submittals: Submit the following to the Owner’s Representatives and Designer for review and approval prior to commencing with signage fabrication.
  - 1. Shop Drawings: Detailed engineered shop drawings for each sign type are to be submitted as electronic PDF no larger than 11”x 17”. Final Shop Drawings are to be stamped by an Engineer licensed in the State of Michigan to ensure structural integrity and safety. The shop drawings for each sign type shall illustrate/ describe the following:
    - a. Elevations and cross sections – front, sides, top and back; side sections; internal structure section/ details; enlarged details such as of extrusions, push-through letter mounting, mounting plate; and access panel, etc.; with all final dimensions and call-outs for:
    - b. Components – construction details/information related to individual elements
    - c. Materials – color, type, gauge, and thickness (including substrates and overlays)

- d. Finishes – color, type of product, manufacturer, and sheen
- e. Fonts, graphics specifications and message fields
- f. Exploded view, unless otherwise indicated – isometric view with components, materials, and finishes.
- g. Cross-section of corners – one illustration for each corner condition. Items to be illustrated: seams, joints, layers, internal support and fasteners.
- h. Mounting/installation details – provide foundation cross-sections (including hardware), bracket/post details, elevations, materials, finishes and fasteners.
- i. Electrical details are to be provided for all elements that require electricity. Specific items to be listed are:
  - 1) Light source and/or fixture type and manufacturer
  - 2) Power supply (transformer)
  - 3) Amperage and voltage per sign
  - 4) Electrical service required (source)
  - 5) Electric Eye and Timer
- j. Lighting detail – provide an internal view of light fixtures, LED layout, transformers, external cut-off switch, light sensor, and timer.
- k. Foundation details – provide detailed foundation details including all concrete and reinforcement specifications.
- l. Engineering for wind load
- m. Removable panels (where applicable)
- n. Identify any dimensional or other changes in the overall sign required by virtue of the fabrication materials, techniques and/or engineering.
- o. Dimensioned drawings showing the location of the electrical stub-up.



2. Samples: Submit two (2) 5"x5" samples of each material listed in the design intent material specifications using actual substrate materials for review and approval. One will be returned and one will be kept by the Owner's Representative.
  - a. Label the back of every sample with the project name, sample designation and fabricator name.
  - b. The Owner's Representative reserves the right to reject any sample and require additional samples as necessary to obtain final approval.
3. Keystroke Proofs: Provide a proofing document of final production keystroke output for all sign messages to verify line breaks, character and word spacing, and interline spacing.
  - a. The proofs are to be scaled production art files, not full sized.
  - b. Layouts are to be organized by sign type and by sign number within each sign type group.
  - c. Each layout is to be identified with the corresponding sign number.

4. Schedule: Provide a detailed fabrication and installation schedule.
    - a. Include all pertinent dates and milestones such as submittal delivery dates, required approval dates, fabrication dates and installation dates.
    - b. Include all lead times for materials and third-party supplied items.
    - c. Allow a minimum of 15 business days for Owner Representative and Designer review with one round of revisions built in unless otherwise noted within the bid schedule.
    - d. Include submittal delivery dates.
- B. During Fabrication Submittals:
1. Fabricator is required to maintain the detailed fabrication and installation schedule, submitting weekly updates as changes occur.
  2. Upon request, Fabricator is to submit photo documentation of signage at various stages of fabrication and installation. Review of these photos does not rule out rejection of the sign during the punch list if they do not meet fabrication requirements.

- C. **Post-Fabrication Submittals:** Upon completion of the initial installation, the following are to be submitted to the Owner's Representatives.
1. Maintenance instructions and manuals for all sign components (lighting, paint, etc.), along with final amended shop drawings, as-installed sign location plans and approved keystroke documents.
  2. Instructions for maintenance and waxing of painted, powder coated and fiberglass elements.
  3. Templates for all insert based signs, utilizing standard software for the Owner's use in printing replacement inserts.
  4. One (1) pint of each finish paint color for touch-up purposes.
  5. Labeled, spare keys to master keyed locks on directory or kiosk signage.
  6. Warranty documentation, as outlined above.

## 1.5 QUALITY ASSURANCE

- A. The materials, products, equipment and performance specifications described within, establish a high quality standard of required function, dimension, appearance, performance and quality to be met by the Fabricator.
- B. Materials used for this project shall be new materials, not reconditioned.
- C. Fabricator shall only use workforce skilled and experienced with the products, fabrication methods, and installation requirements outlined for this project.
- D. Fabrication and installation is to withstand severe abuse and souvenir theft vandalism, but not less than the equivalent of resisting simple hand implements and tools (screwdrivers, knives, coins, keys, and similar items), and adult physical force. It is the fabricator's responsibility to suggest alternate fabrication or installation methods, should they be deemed necessary to hinder theft or vandalism.
- E. Regulatory Requirements: Signage shall meet or exceed requirements of all current applicable local, state and federal codes, including, but not limited to:
  - 1. MUTCD standards manual, 2009 edition with the 2012 revisions;
  - 2. 2010 Americans with Disabilities Act Standards for Accessible Design, including local modifications and amendments; and
  - 3. Local and State Building and Fire Codes.

## 1.6 DELIVERIES, STORAGE AND MATERIAL HANDLING

- A. Pack, wrap, crate, bundle, box, bag, or otherwise package, handle, transport, and store all fabricated work as necessary to provide protection from damage.
- B. Provide clear and legible identifying information on all product packaging to ensure proper on-site identification and installation.
- C. Recommend covering all sign faces with a low-tack protective vinyl cover, to be removed after installation. This is to help minimize minor scratches and nicks that happen during unpacking and installation.
- D. Coordinate the delivery and secure storage of signs with the Owner's Representative to meet deadlines.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Substitution:
  - 1. No substitution will be considered unless the Owner’s Representative has received written request for approval.
  - 2. Equal or better equipment or method may be recommended, but fabricator will be required to provide full documentation, upon request, establishing such a substitution’s equality or superiority as measured in: compliance with the visual design intent, cost, ease of maintenance, and performance.
  - 3. The Owner’s Representative’s decision of approval or disapproval of a proposed substitution shall be final.
- B. Approved manufacturers include:
  - 1. Acrylic Polyurethane Paint: Matthews Paint Company or Akzo Nobel
  - 2. Powder Coating: PPG Duranar or Akzo Nobel Interpon
  - 3. Exterior Vinyl: 3M or Oracal
    - a. 3M custom traffic retroreflective sign face (CTSF program). Full face, digitally printed (using 3M UV-cured inks) onto 3M reflective sheeting with 3M acrylic overlay film.
  - 4. Exterior Perforated Vinyl: 3M
  - 5. Acrylic Sheets: Rohm and Hass Co, Acrylite or equal.
  - 6. Panaflex: 3M or equivalent
  - 7. LED lighting system: General Electric, SloanLED, Philips, US LED or equivalent
  - 8. Exterior Extrusions: SignComp, Charleston Industries or equivalent
  - 9. Exterior Tactile signs: Gravoply or equivalent
  - 10. Stainless Steel Strapping System: Band-It or equivalent
  - 11. Banner Hanging System: Banner Saver
  - 12. High Pressure Laminate: i-Zone, Trespa
  - 13. Fiberglass Embedded Panel: Pannier Graphics
  - 14. Electronic Message Centers: Daktronics, Firewatch, Vantage LED
  - 15. Adhesive Silicone: Dow Corning or equivalent
  - 16. Adhesive Tape: Polyfoam or “Isotac” by 3M or equivalent

2.2 Materials

- A. Aluminum: suitable for ornamental work. Finish to be smooth and free of imperfections. Alloy based upon structural requirements of the signage design.
- B. Aluminum sheet: .125” minimum thickness unless otherwise specified.
- C. Aluminum plate: .25” minimum thickness unless otherwise specified.
- D. Structural Steel: galvanized rolled steel or equal as required to meet structural requirements.
- E. Acrylic sheet: varying colors and thicknesses as noted on design intent drawings, 2447 is standard for use in LED illuminated sign types, 7328 is standard for use in Fluorescent illuminated sign types.
- F. Illumination: per design drawings as LED or high-output fluorescent lamps with 800 MA, exterior UL rated electronic ballasts per specifications. Specifications for T-8 lamps are specific to the 60,000 hour T-8 lamp.
- G. Day/Night perforated vinyl: 3M custom color vinyl; flood-coating perforated vinyl is not an acceptable solution unless noted within the design intent drawings.
- H. Adhesive vinyl: opaque color, reflective color, translucent color and transparent color.
- I. Electric Eye and Timer as indicated by the Owner’s Representative.
- J. Exterior grade paint: acrylic polyurethane paint in solid and metallic colors with primer and Super Satin Clearcoat finish.
- K. Matthew’s Paint reflective white paint or 3M Matte White Light Enhancement Film.
- L. Miscellaneous mounting hardware: including but not limited to, screws, bolts, stainless steel cable, hinges, and adhesives.
- M. Labels: Only labels required by law are permitted on the exterior of the sign face.
  - 1. Labels shall not be on the primary messaging faces of the sign, unless dictated so by the local ordinance.
  - 2. Labels shall be located in a position as discreet as possible.
  - 3. No other labels are permitted on the signs.
  - 4. Fabricator contact information may be placed inside the sign on the access panel.

- N. Fiberglass panels with embedded artwork are to be fabricated using 1/8” thick fiberglass panel with permanently embedded digital graphics. The panel must be a solid, one-piece panel with all graphic elements inseparable from the fiberglass in which they are embedded.
- O. All printed graphics shall be printed at a minimum of 1200 DPI using exterior grade UV inks.
- P. High pressure laminate: Digital graphic surface papers encapsulated with melamine resins are pressed over a portion of recycled post-consumer kraft paper core sheets impregnated with phenolic resin. These sheets are bonded under pressures greater than 1200 pounds per square inch and at temperatures approaching 300°F (149°C). The 0.040” backs are sanded to facilitate bonding to other substrates.

2.3 FABRICATION

- A. Details on design drawings indicate a design approach for sign structure but do not necessarily include all fabrication details required for the complete structural integrity of the signs, including consideration for static, dynamic and erection loads during handling, erecting, and service at the installed locations.
- B. Site-verify all locations to determine special installation requirements, uneven footing needs based on sloped grades. Field verify measurements for wall mounted and glass mounted signage, etc. prior to fabrication.
- C. Fabricate signage such that major components of the sign can be removed and replaced with similar components. Incorporate this changeability such that it does not promote vandalism, but can be done by a qualified maintenance crew.
- D. Within fabrication tolerances, allow for expansion and contraction of materials due to temperature changes as appropriate to the project location.
- E. Construction Methodology:
  - 1. The drawings call for a variety of fabrication techniques.
  - 2. Sign faces are to be fabricated using aluminum plate of varying thicknesses, as specified on design drawings, with a minimum thickness of .125 inches unless otherwise noted.
  - 3. Push-through copy:
    - a. Routered push-through copy from a single sheet of white acrylic.
    - b. Acrylic to have a minimum thickness of 3/8”.
    - c. Acrylic to be pushed through 1/16” unless otherwise noted on design drawing.
    - d. Letters and shapes that are routed out and bonded to a separate acrylic sheet are not acceptable.

- e. Acrylic is to be attached to the interior of the sign using mechanical fasteners.
- f. All letter knock-outs (interior of letter forms) are to be stud mounted through the acrylic.
- g. Acceptable spacing between the push-through acrylic and the cutout aluminum is 1/32” for copy 12” or smaller. Copy larger than 12” may have alternate spacing to allow for the change in material expansion.
- h. The edges and corners of routed letterforms shall be sharp and true. Letterforms with nicked, cut, ragged, rounded (positive or negative) corners, and similar disfigurements will not be acceptable.
- 4. Conceal all fasteners except for access panels or where approved otherwise by Owner’s Representative. Access panel fasteners are to be stainless steel, tamper resistant, counter-sunk flush screws, painted to match adjacent finish.
- 5. All hardware and fasteners within reach shall be vandal resistant.
- 6. Any sign faces smaller than 8’ by 20’ are to be fabricated from 1 piece of seamless material.
- 7. To prevent electrolysis, separate all ferrous and non-ferrous materials with a non-conductive gasket or barrier and utilize stainless steel fasteners as required.
- 8. Welded joints:
  - a. Exposed welded joints must be filled and ground smooth so that there is no seam visible when painted.
  - b. Dimensional and structural welding defects will not be accepted, including but not limited to: poor weld contours, including excessive bead convexity and reinforcement, and considerable concavity or undersized welds; cracks; undercutting; porosity; incomplete fusion; inadequate penetration; spatter; and non-metallic inclusions.
  - c. Welding is to be performed by AWS (or similar) certified personnel, following AWS Standard Welding Procedure Specifications (SWPSs) for steel, aluminum, and stainless steel as appropriate.
- 9. Non-welded joints between various portions of signs must have a tight, hairline-type appearance, without gaps. Provide sufficient fastenings to preclude looseness, racking, or similar movement.
- 10. Exposed acrylic edges are to be finished such that no saw marks are visible.



- |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>3. Coordinate with the Owner to have all underground utilities properly located and marked. Any damage to below-grade utilities or structures for which the Owner or Owner’s Representative has provided adequate location information is the responsibility of the Fabricator.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <p>3. Manipulate the existing conduit to its proper location, install an external disconnect, extend the conduit through the concrete base (or posts) to align with the point of hookup, and run the power supply through it.</p> <p>4. Conduit running from the disconnect to the sign shall travel within the concrete base, not on its surface.</p> <p>5. Perform final hook-up. This may not be an excluded service from the bid return.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <p>2. For all bolts, nuts, washers and other fasteners, Fabricator to match material and finish as used in sign. When fastening dissimilar materials, use stainless steel 300 series.</p> <p>3. Fabricator is required to specify mounting hardware and anchoring per the engineering of the signage. The visual appearance of the sign is not to be compromised from that shown in the design drawings.</p> <p>4. Install all signage products such that there are no misalignments between visible components. Sign elements intended to be removable or changeable after installation must function as intended without binding, sticking or blocking.</p> <p>5. All signs to be mounted level and true, and within the guidelines of applicable local, state and federal codes including, but not limited to, the 2010 Standards for Accessible Design (ADA) and fire/life safety codes, where applicable.</p> <p>a. If signs are to be installed in a parking garage where the structural elements are not level due to the grade of the garage, the Owner is to decide whether the sign should be mounted level or aligned with the structural elements.</p> | <p>regulatory sign posts.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <p>B. Site Visit:</p> <p>1. Ensure that every building-mounted sign location has the necessary blocking for safe and secure mounting. Where additional blocking is needed, recommend changes and additional associated costs, and receive approval prior to beginning installation.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <p>H. Masonry/Footings:</p> <p>1. All concrete bases for signage are to be poured in place from thoroughly mixed and agitated concrete.</p> <p>2. Footings are to extend beneath the frost line, or deeper to meet local code.</p> <p>3. All footings or bases should be poured within a form and level with grade unless otherwise specified in the design drawings or as specified by state or local code.</p> <p>4. Foundation/footings should not extend above grade more than 1 1/2” and exposed edges should be finished with a bevel to prevent chipping, unless otherwise indicated in Design Intent Drawings.</p> <p>5. It’s recommended that the concrete be floated by machine or hand before finishing in order to embed larger aggregates especially when part of the footing or base extends above ground.</p> <p>6. Concrete surface should have a smooth or brushed finish grade appearance. Match the finish appearance of connecting concrete surfaces when applicable.</p> <p>7. All concrete bases and footings should be edged to break any bond with the form and create a neat appearance. All forms should be removed once the concrete has properly cured.</p> <p>8. Provide the necessary templates, mounting plates and hardware for concrete and masonry bases.</p> <p>9. All masonry (concrete block, poured concrete, brick, slab, veneer, mortar, etc.) is to be properly treated and protected to maintain the structural integrity of the masonry work with exposure to all environmental conditions found at the site. For exposed or visible masonry, this shall include the application of protective sealers or similar finishes to diminish the effects of close-proximity sprinkling or irrigation systems.</p> <p>10. Wet concrete with footers and posts must fully cure in place before signage is installed on the footers or mounted to the posts.</p> | <p>J. Locating Signs:</p> <p>1. Fabricator’s installers must have applicable understanding of the 2010 Standards for Accessible Design (ADA) mounting guidelines, city zoning and other applicable federal, state and local codes, general sign locating practices, and any particular unique installations.</p> <p>2. Installers are to follow the regulations, noted guidelines, and architectural details around an installation location for the best visual placement.</p> <p>3. Keep a reasonable distance from protruding objects.</p> <p>4. Any signage that is improperly located is to be moved to the proper location, and all repairs to wall surfaces and signage are to be handled by the Fabricator.</p> <p>5. If the installers are unable to make a decision about any sign locations, they can contact the Designer, providing a graphic representation of the questionable area, or contact the Owner’s Representative for on-site options. If there is a code requirement regarding the sign location, the installer must notify the Owner’s Representative of the requirement.</p>                                                            | <p>L. Upon completion of installation, Fabricator is to remove any protective covering, tape, or installation hardware. Fabricator is then to clean the sign per the manufacturer recommendations, ensuring that sign is clean from dirt, stains, fingerprints, tape residue, etc.</p> <p>M. All exposed hardware is to be touch-up painted on site as required immediately following installation prior to punch list. N. All minor blemishes or marring are to be repaired such that the repairs are imperceptible. Components having permanent, non-removable scratches or defects are to be replaced completely.</p>                                                                                                                                                                                                                                                                                                                                                                                          |
| <p>C. If installation subcontractors are utilized, the Fabricator must provide a company representative to act as on-site supervisor through the duration of the installation process to oversee any subcontracted installation work.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <p>O. Site Safety and Restoration:</p> <p>1. Fabricators are responsible for their own safety during the installation period.</p> <p>2. Maintain a safe environment for pedestrians and vehicular traffic during the installation period, following OSHA safety standards as necessary.</p> <p>3. Keep the Owner’s premises and the adjoining premises, driveways and streets clean and clear.</p> <p>4. Job site shall be left safe, neat and clean at the completion of each day’s operation.</p> <p>5. In addition to maintaining old or temporary signs for their directional or informational purposes, Fabricator is to maintain signage that meets or exceeds MUTCD and local standards during the installation period.</p> <p>6. At the completion of work, remove all rubbish, tools, equipment, and surplus materials, from and about the premises, and leave the site as originally found.</p> <p>7. Repair or correct damage to other contractors’ work resulting from signage installation work.</p> |
| <p>D. Fabricator to maintain current signage and directional information during installation in order to continue to provide proper wayfinding. This can be done through the use of temporary signs, or vinyl over existing sign faces.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <p>E. Fabricator to coordinate delivery of signage with the Owner’s Representative. If on-site staging is required, the Fabricator shall store materials and equipment within a secured staging area provided by the Fabricator. The location of the staging area to be determined by the Owner’s Representative. All materials shall be stored in a neat and orderly manner, and shall be protected against the weather by a weatherproof temporary storage facility or trailer. Protect material during shipping against any damage from weather, including road salt.</p>                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <p>F. Fabricator to provide a site logistics plan indicating the work areas, proposed equipment and power sources, extent and duration of street closures, and schedule time/dates of the respective sign installations. This schedule is to be updated on a weekly basis if changes occur.</p> <p>G. Electrical:</p> <p>1. The Owner or Owner’s Representative will be responsible for providing a power source to within 10 feet of the base of each sign requiring power (either at grade or below grade). OR The Fabricator is responsible for subcontracting an electrician to pull power from the source to the sign location. The Owner will work with the Fabricator to identify the preferred junction location.</p> <p>2. Power is to be 120 or 277 (LED illumination should be 120) volts at 60 cycles unless otherwise noted by the Owner’s Representative. Fabricator to confirm based upon location source with the Owner’s Representative.</p> | <p>I. Mounting:</p> <p>1. Signs are to be mounted on J-bolt footings or breakaway bases, centered on the concrete base or footing, and engineered per code, unless otherwise specified in the design drawings or required by code.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <p>K. Landscaping:</p> <p>1. A landscaping bed, minimum 1’ wide from each direction around a sign, 6” deep, with aluminum edging and filled with material to match the surrounding landscaping materials, or a concrete pad must be added around each concrete base or sign post as protection from landscaping maintenance. This does not apply to</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <p>3.2 PUNCH LIST</p> <p>A. The Fabricator’s on-site representative is to complete a walk through with the Owner’s Representative immediately following installation to identify any errors, such as construction or installation issues. Such errors are to be corrected in a timely manner, and to the satisfaction of the Owner’s Representative.</p> <p>B. Fully replace all signs that are in error relative to the working documents (final sign message schedule and design drawings).</p> <p>C. Correct any installation misalignments at no charge.</p> <p>END OF SECTION</p>                                                                                                                                                                                                                                                                                                                                                                                                                            |