



ST. CLOUD STATE  
UNIVERSITY

## St. Cloud State University

St. Cloud, Minnesota

06.12.2015 Final

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EXTERIOR DESIGN INTENT DOCUMENT

### WAYFINDING TEAM

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#### St. Cloud State University

720 4th Ave. South  
St. Cloud, MN 56301

**John Frischmann**  
Director of Facility Management  
jmfrischmann@stcloudstate.edu

**Loren J. Boone**  
Asst. VP, Marketing  
ljboone@stcloudstate.edu

#### Corbin Design

109 E. Front Street  
Traverse City, MI 49684  
(P) 231.947.1236  
(F) 231.947.1477  
www.corbindesign.com

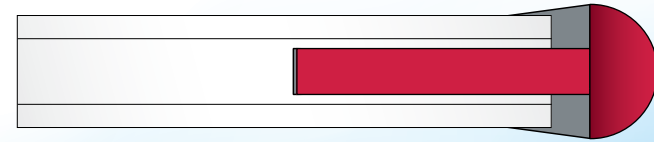
**Robert Brengman, Principal**  
robert@corbindesign.com

**Jeff Frank, Senior Designer**  
jeff.frank@corbindesign.com

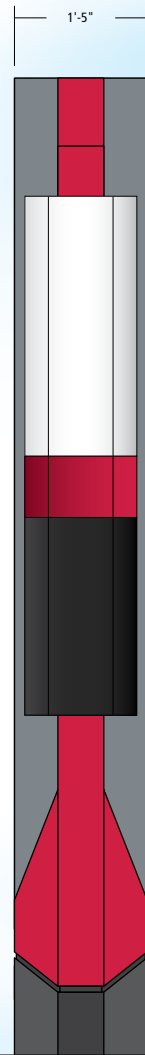
**Mary Lou Piehl, Project Manager**  
marylou@corbindesign.com

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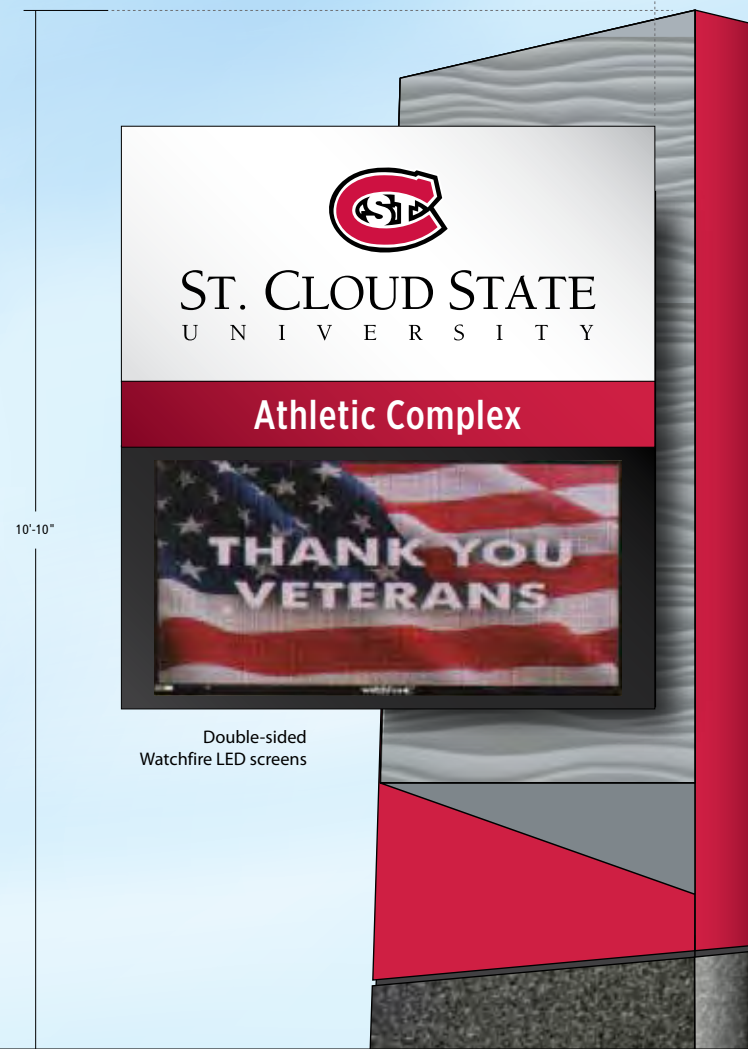
Top View



Side View



**Gx-1**  
Entrance Identifier/Guide  
Illuminated



Double-sided  
Watchfire LED screens

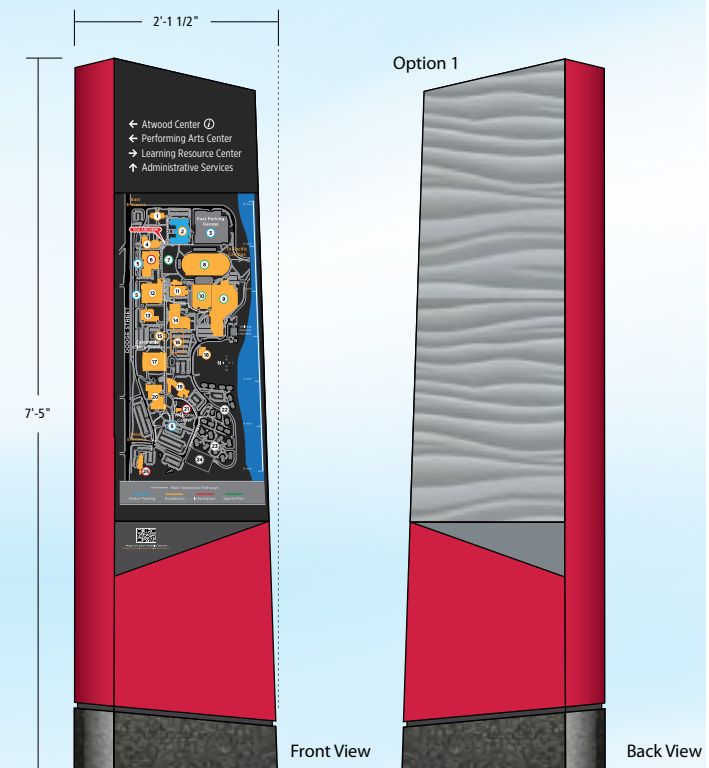
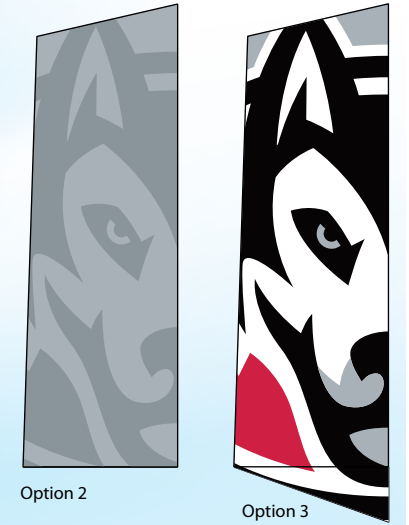
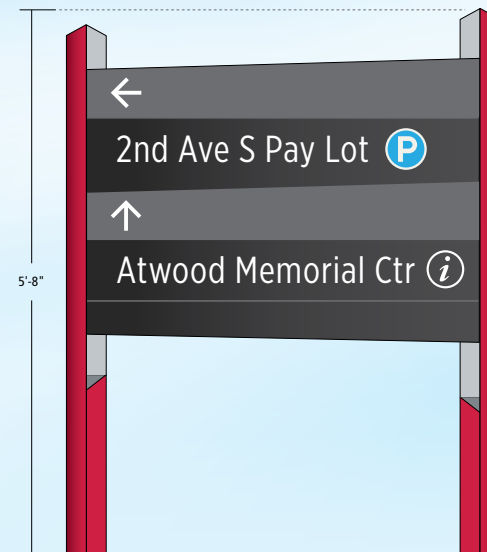
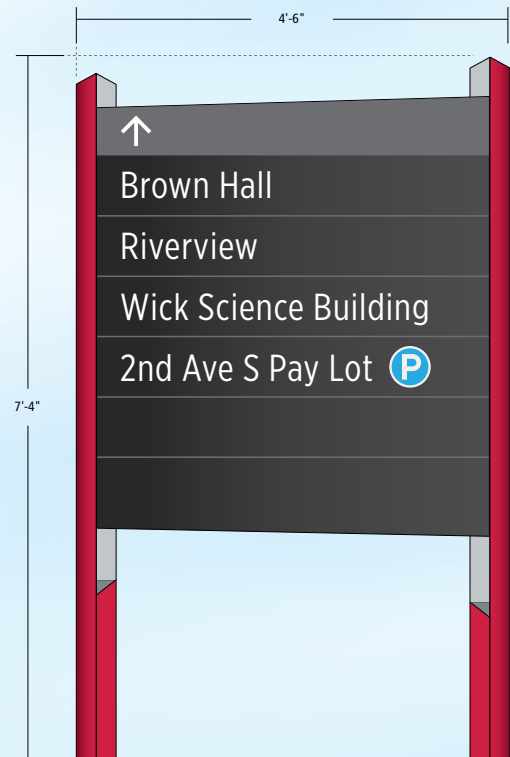
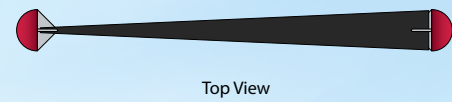
**Gx-2**  
Entrance Identifier/Guide (LED)  
Illuminated



**Gx-1a**  
Boundary Marker, Large  
Non-illuminated



**Gx-1b**  
Boundary Marker, Small  
Non-illuminated



**Gx-4**  
Vehicular Guide, Roundabout  
6" cap height, Reflective Message

**Gx-5**  
Vehicular Guide, Primary  
Reflective Message

**Gx-6**  
Vehicular Guide, Secondary  
Reflective Message

**Dx-1**  
Pedestrian Map Kiosk





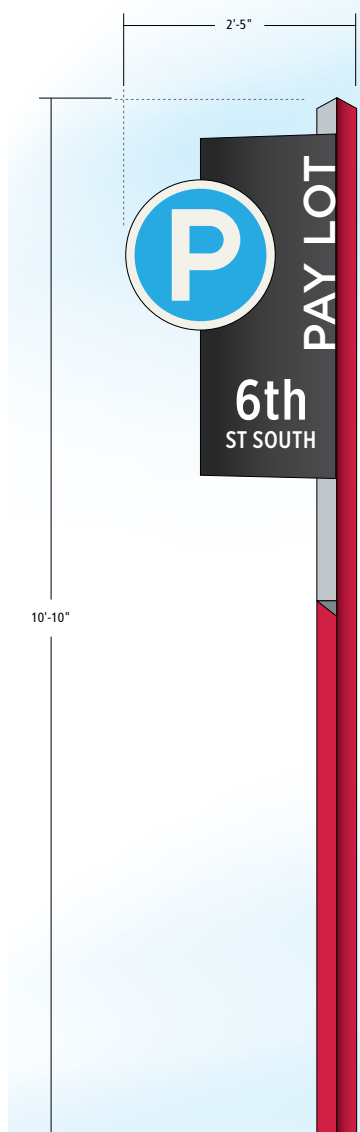
**Dx-2**  
Retrofit Existing Kiosk

**Ix-1a**  
Building Identifier, Pole Mount Flag  
Non-illuminated

**Ix-1b**  
Building Identifier, Low  
Post and Panel  
Non-illuminated

**Ix-2**  
Building Identifier  
Building Mounted, Large  
Non-illuminated

**Ix-3**  
Building Identifier  
Building Mounted, Small  
Non-illuminated



**Ix-5**  
Parking Lot Identifier/Trailblazer  
Reflective Message

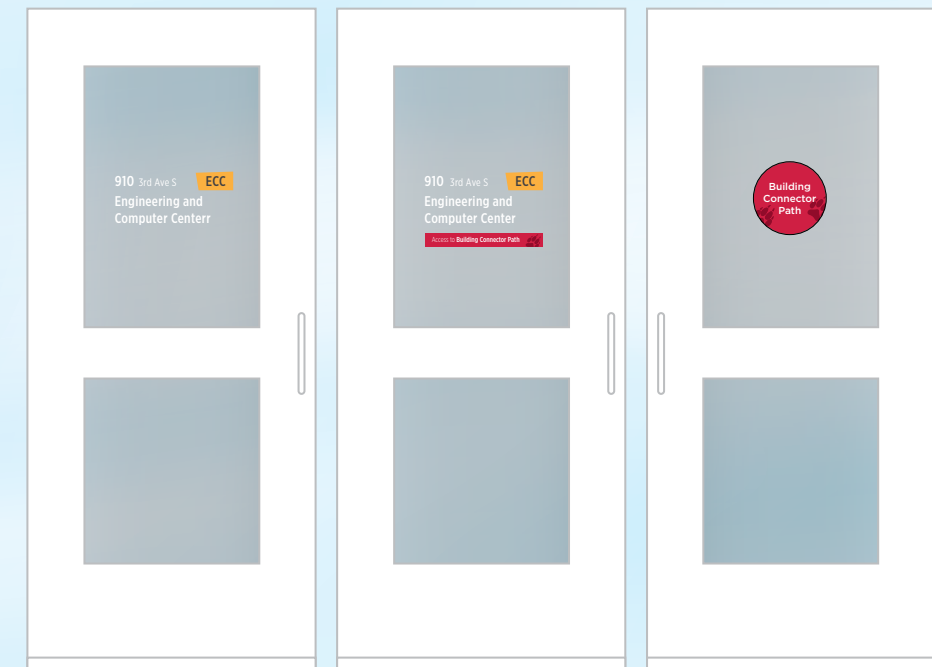


**Ix-8**  
Campus Identification (retrofit)



**Ix-7**  
Pedestrian Bridge Branding

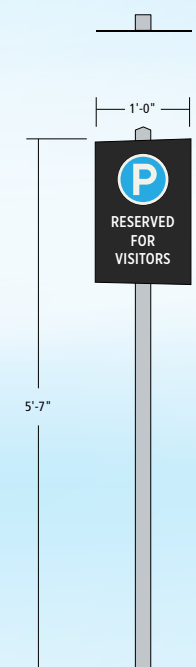
**Ix-6**  
Parking Ramp Identifier (Retrofit)



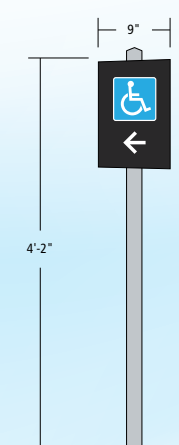
**Vx-1**  
Vinyl on Glass  
Building Identification

**Vx-2**  
Vinyl on Glass  
Building Identification  
with Building Connector Path

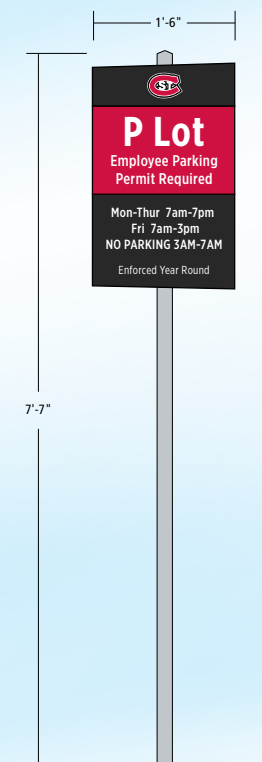
**Vx-3**  
Vinyl on Glass  
Building  
Connector Path



**Rx-1**  
Regulatory



**Rx-2**  
Accessible  
Entrance



**Rx-3**  
Staff/Student  
Parking Lot  
Identification

## FABRICATION SPECIFICATIONS: EXTERIOR SIGNAGE

### A. Quality Standards

The materials, products, equipment and performance specifications described within establish a standard of required function, dimension, appearance, performance and quality to be met by the Fabricator.

### B. Structural Design

Details on design intent 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, nor do they necessarily consider the preferred shop practices of the individual Fabricators. Therefore, it shall be the responsibility of the Fabricator to perform the complete structural design and engineering of the signs and to incorporate all the safety features necessary to adequately support the sign for its intended use and purpose and to protect SCSU. Fabricator shall also be responsible for ensuring that all signs meet local, state and federal codes.

### C. Vandalism Design

Fabrication and installation design 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. All hardware and fasteners within reach shall be vandal resistant.

### D. Substitution

No substitution will be considered unless SCSU has received written request for approval. Fabricator may recommend equal or better equipment or method, but will be required to provide full documentation establishing such a substitution's equality or superiority as measured in the following:

- compliance with the visual design intent;
- cost;
- ease of maintenance; and
- performance.

The burden of proof of the merit of the proposed substitute is upon the Fabricator. SCSU's decision of approval or disapproval of a proposed substitution shall be final.

### E. Material Handling

The Fabricator is to pack, wrap, crate, bundle, box, bag, or otherwise package, handle, transport, and store all fabricated work as necessary to provide protection from damage by every cause. Fabricator shall provide clear and legible identifying information on all product packaging to ensure proper on-site identification and installation.

### F. Sign Specifications: Construction Methodology

The drawings call for a variety of fabrication techniques. Fabricators are given leeway to fabricate the signs to meet the intent of the designs depicted by the drawings.

1. Because different systems of extrusions may result in slightly different dimensional requirements, the total height and width dimensions described in the sign construction on the drawings may be considered "nominal" for the purposes of cost quote.
2. Sign faces are to be fabricated using aluminum plate of varying thicknesses, as specified on design intent drawings, with a minimum thickness of .125" unless otherwise noted.
3. Unless otherwise noted on the design intent drawings, all cut-out push-through copy is to be routed from a single sheet of white acrylic, with a minimum thickness of 3/8" and pushed through 1/16". Routed letters and shapes that are bonded to a separate acrylic sheet are not acceptable; they must be routed from a single sheet.
  - Acrylic is to be attached to the back of the sign using adhesive, mechanical fasteners, or both depending on the design specifications.
  - All letter knock-outs (interior of letter forms) are to be stud mounted through the acrylic.
  - When illuminating the acrylic face with Fluorescent or Neon, 7328 shall be the standard white acrylic.
  - When illuminating the acrylic face with LED, 2447 shall be the standard white acrylic.
  - Acceptable spacing between the push-through acrylic and the cut-out aluminum is 1/32" to 1/16" depending on the copy height (if the copy is larger than 32", alternate spacing may be used to allow for the change in material expansion).

4. Sign cabinet seams shall be sealed to ensure they are watertight.

5. All finishes are to be satin finish, free from fading, peeling or cracking. Paint preparation of all exterior metal surfaces of the sign to include removal of all scratches and imperfections, sanding and chemical etching. Substrate cleaning, preparation, paint application and paint thickness to be in strict compliance with Matthews Paint or AkzoNobel published recommendations. Acceleration of the drying process is not allowed. Clear final top coat is required

6. Except where approved otherwise by SCSU, conceal fasteners.

7. Any sign faces smaller than 8' by 20' are to be fabricated from 1 piece of seamless material.

8. On welded joints, 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 under-sized welds; cracks; undercutting; porosity; incomplete fusion; inadequate penetration; spatter; and non-metallic inclusions. 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. Provide drain holes as needed to prevent accumulation of water within signs. Holes must be inconspicuous and be in inconspicuous locations; holes must be located such that drainage does not occur onto signs, or other surfaces subject to staining. Provide internal system of baffles to prevent "light leaks" through drain holes of illuminated signs. Provide color-coordinated insect screening over drain holes.

11. Non-illuminated sign faces are to have lettering and graphics created as silk-screening or as surface-applied vinyl typography using Oracal exterior grade, minimum 5-year warranty, as noted in the design intent drawings.

12. Visible metal joints must adhere to a fit tolerance of .01".

13. Unlit channel letter faces must be .25" aluminum. Channel letter returns must be .080" aluminum.

### G. Sign Specifications: Illumination & Electrical

It shall be the responsibility of the Fabricator to perform the complete electrical design for illuminated signs. Illuminated signs shall be designed by an electrical engineer and shall be fabricated and wired to be compliant with current UL listing requirements, and shall be UL certified.

1. All internally illuminated sign cabinets are to have an access panel that is tight fitting, lightproof and waterproof. Access panels are to be in an accessible location, out of sight, and shall be shown on shop drawings.

2. Internally illuminated signs are to have an adequate internal system of ventilation to assure a uniform dissipation of heat from electrical components of electrically powered and illuminated signs, heat (solar) absorption by sign and other sources. Any openings in exterior surfaces

must be internally baffled to prevent light leaks and prevent entry of rain, snow, wind-blown debris, and other foreign matter, and are to be covered with interior color-coordinated insect screen.

3. Only labels required by law are permitted to be mounted on the exterior of the sign face, and they shall be located in a position that is as discreet as possible.

4. All internally illuminated interior metal surfaces shall be painted white using Matthews' reflective white paint, or shall be lined with 3M's Matte White Light Enhancement Film, to enhance and evenly distribute light.

5. All electrical components shall be built to be housed within sign cabinets. All wiring and raceways within the sign are to be completely enclosed. Internal illumination by LED is required to provide adequate and even illumination over the face of the sign without hot spots or shadows. "Halo" effects, "spreading" or similar light spill due to excessive transmission of the backlight source shall be minimized.

6. Illumination to be provided by LED as specified on design intent drawings. Internal hardware must not be visible through the translucent letterforms and graphics.

7. All internally illuminated exterior signs are to have their own electric eye on/off control to turn the sign on at night and off in the morning, unless SCSU specifies a need for a timer. Location of eye to be shown on shop drawings.

8. Verify location of power provided by others prior to sign fabrication.

9. Face-lit channel letters with a 16" or shorter cap height shall be trimless. Face-lit channel letters taller than 16" may use a low-profile trim cap. Internally illuminated channel letters shall be illuminated using LED, unless otherwise noted on the design intent drawings. Transformers for channel letters shall be remote transformers wherever possible. If remote transformers are not applicable, then all electrical components shall be contained within the channel letter itself. Raceways are not acceptable unless specifically noted on the design intent drawing or if approved by SCSU. All raceways must be painted the same color as the wall on which the sign will be mounted. Channel letters to be painted on the inside with Matthews' reflective white paint, or lined with 3M's Matte White Light Enhancement Film to enhance and evenly distribute light.

## FABRICATION SPECIFICATIONS: EXTERIOR SIGNAGE

### I. Fonts/Typefaces

The fonts used for this project were selected specifically for this project by UNO, and include those listed in the graphic standards. It is the responsibility of the fabricator to purchase the fonts.

No substitution of any other typefaces may be made. Under no circumstances are typefaces to be electronically distorted (“squeezed” or “extended”) for purposes of fitting to the specified sign or general alteration of the sign face composition unless noted in the drawings. This includes (but is not limited to) stretching, squeezing, tilting, outlining or shadowing.

1. All letterforms, symbols or graphics shall be reproduced either by photographic or computer-generated means. Hand-cut characters are not acceptable. Cutting shall be done in such manner that edges and corners of finished letterforms will be sharp and true. Letterforms with nicked, cut, ragged, rounded corners, and similar disfigurements will not be acceptable.
2. All letterforms shall be made from material and gauge as indicated on design intent drawings. Typefaces shall be replicated as indicated on the drawing.
3. Ligatures are to be turned off.
4. Apostrophes are to be used, not footmarks. Note that there is a difference in most fonts.
5. Silk-screened and vinyl copy is to match the sheen of the copy panel background (satin). Edges of letters shall be straight and corners sharp. Surface of letters shall be uniform in color finish, and free from pinholes and other imperfections.
6. Silk-screened images shall be executed with photo screens prepared from original art. No hand-cut screens will be accepted. Original art shall be defined as artwork that is a first generation reproduction of the specified art.
7. Silk-screening shall be highest quality, with sharp lines and no sawtooths or uneven ink coverage. Screens shall be photographically produced. Application of inks through screens shall consist of one flood pass and one print pass. Images shall be uniform in color and ink thickness. Images shall be free from squeegee marks and lines resulting from improper print stroke or screen off contact height. Signs shall be placed in adequate drying racks with minimum of 2 inches between racks for ample airflow. Sign racks shall have system of forced airflow between layers to provide proper drying and curing of inks. After signs have dried completely according to the ink manufacturer’s time allowance, signs may be packaged.

8. 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.

9. Letterforms shall be aligned so as to maintain a base line parallel to the sign format, with margins and layout as indicated on design intent drawings and approved shop drawings. Vertical strokes shall be plumb.

10. Vinyl graphics and letterforms shall be computer-cut.

### J. Permits and Variances

Fabricator shall be knowledgeable of relevant local code requirements and honor same in fabrication and installation. Where applicable, it is the responsibility of the Fabricator to secure any and all necessary permits for signage installation. It is the responsibility of UNO to secure variances, should any be required. It is UNO’s responsibility to call the appropriate agency to have all underground utilities properly located and marked. Any damage to below-grade utilities or structures for which UNO has provided adequate location information is the responsibility of the Fabricator.

### K. Site Visit

Prior to installation of the signs, the Fabricator is to visit the proposed sites to observe existing conditions and verify all signage required and its location with UNO. At this time the locations shall be staked using a non-permanent visible device such as spray chalk or non-permanent paint. Certain signs may be located on sloped grades and may require uneven footings for each post. Site-verify all locations to determine special requirements for footing templates, if required.

The final Sign Message Schedule and Sign Location Plan shall be consulted together and shall be approved by UNO to determine the precise location for each sign. Any necessary adjustments will be made with the approval of UNO.

### L. Masonry/Footings

Any concrete bases for signage are to be poured in place and footings are to extend beneath the frost line, or deeper to meet local code. All footings or bases should be poured within a form and level with grade unless otherwise specified in the design intent drawings. Foundation/footings should be level with grade unless otherwise noted or as specified by state or local code. Foundation/footings should not extend above grade more than 2" and exposed edges should be finished with a bevel to prevent chipping. 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. Concrete surface should have a smooth or brushed finish grade appearance. 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. Concrete and reinforcement specifications shall be shown on shop drawing submittals. The Fabricator is responsible for the necessary templates, mounting plates and hardware for concrete and masonry bases. A minimum 1’ rock bed with landscape edging or concrete pad must be added around each concrete base as protection from landscaping maintenance.

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.

Signs are to be mounted on J-bolt footings, centered on the concrete base or footing, and engineered per code, unless otherwise specified in the design intent drawings.

### M. Wind Load

Signs, banners and mounting devices shall be engineered to withstand a minimum 30-psf wind load normal to the sign, or greater as per local code, in addition to the weight of the sign. The Fabricator shall determine appropriate method of anchoring signs to the locations specified to meet these requirements as well as all local code requirements.

### N. Mounting

All signs are to be mounted level and true. All exposed hardware is to be touch-up painted on site as required. It is preferred that all bolts, nuts, washers, or other fasteners be stainless steel. However galvanized steel is acceptable, so long as all exposed surfaces are sealed.

While sign type drawings may specify or indicate possible mounting and/or mounting hardware details, the Fabricator will be able to substitute equal or better hardware and techniques, based upon their experience with similar mounting situations and as long as the visual appearance of the sign is not compromised from that shown in the design intent drawings.

All signage products must be installed 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. It will be the responsibility of the Fabricator to correct any installation misalignments at no charge.

Fabricator and their installers are expected to have knowledge of ADA mounting guidelines and city zoning codes, general sign locating practices, and any particular unique installations defined by UNO. It is the desire of UNO that the Fabricator follow these guidelines as well as architectural cues in installing for the best visual placement, keeping a reasonable distance from protruding objects. Any signage that is improperly located is to be moved to the proper location by the Fabricator, and repairs to wall surfaces and signage are to be completed at the Fabricator’s expense.

If the installers are unable to make a decision about any sign locations, they can contact UNO, providing a graphic representation of the questionable area, or for on-site options.

### O. Electrical

UNO 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). Power is to be 120 or 277 (LED illumination should be 120) volts at 60 cycles unless otherwise noted in the documents. It is the responsibility of the Fabricator to 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. Conduit running from the disconnect to the sign shall travel within the concrete base, not on its surface. The Fabricator will be responsible for the final electrical connection.

### P. Punchlist

It is required that the successful Bidder complete a walk through with UNO 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 UNO.

### Q. Site Safety and Restoration

During the installation period, successful Bidders and subcontractors are responsible for their own safety, and are expected to maintain a safe environment for pedestrians. Successful Bidders and subcontractors are to keep UNO’s premises and the adjoining premises, driveways and streets clean and clear. Job site shall be left safe, neat and clean at the completion of each day’s operation. Successful Bidders and subcontractors are also expected to temporarily maintain old signs in order to continue their directional and identification functions, as well as to maintain signage that meets MUTCD standards during the installation period. At the completion of work, successful Bidder and subcontractors shall remove all rubbish, tools, equipment, and surplus materials, from and about the premises, and shall leave the site as originally found. Successful Bidder shall be responsible for repairing or correcting damage to other contractors’ work resulting from successful Bidder’s work.



## FABRICATION SPECIFICATIONS: EXTERIOR SIGNAGE

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### R. Signage Warranty

The successful Bidder is to provide a written five (5) year full replacement warranty to UNO that all signs will be free of defects due to craft work 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 and vinyl surfaces, on sign 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. Peeling, delamination or warping ("oil canning").
6. Repair and reinstallation of signage due to failed mountings.

Successful Bidder shall also extend in writing to UNO all manufacturers' warranties for materials and components used within the signs. It is the Successful Bidder's responsibility to obtain extended 5-year manufacturer warranties on all paint and powder coat applications.

### S. Repair or Replacement

Without additional cost to UNO, the successful Bidder shall 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. The successful Bidder 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 will be submitted to the successful Bidder upon award of contract.

### T. Pre-fabrication Submittals

Upon award of contract, the successful Bidder must submit a copy of the following items to UNO for their review prior to fabrication of the prototypes and rest of the fabrication package:

1. 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 Nebraska. The shop drawings for each sign type shall illustrate/describe the following:

i. Elevations and cross sections – front, sides, top and back (if necessary); side sections; internal structure section/details; enlarged details such as of extrusions, push-through letter mounting, mounting plate, etc.; with all final dimensions and call-outs for:

- Components – construction details/information related to individual elements
- Materials – color, type, gauge, and thickness (including substrates and overlays)
- Finishes – color, type of product, manufacturer, and sheen
- Fonts, graphics specifications and message fields

ii. Exploded view (optional) – isometric view with components, materials, and finishes.

iii. Cross-section of corners – one illustration for each corner condition. Items to be illustrated: seams, joints, layers, internal support and fasteners.

iv. Mounting/installation details – provide foundation cross-sections (including hardware), bracket/post details, elevations, materials, finishes and fasteners.

v. Electrical details are to be provided for all elements that require electricity. Specific items to be listed are:

- Light source and/or fixture type and manufacturer
- Power supply (transformer)
- Amperage and voltage per sign
- Electrical service required (source)
- Lighting detail – provide an internal view of light fixtures, LED layout, transformers, external cut-off switch, light sensor, and timer.

vi. Engineering for wind load





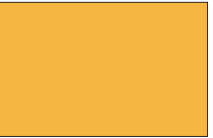
vii. Removable panels (where applicable)

viii. Identify any dimensional or other changes in the overall sign required by virtue of the fabrication materials, techniques and/or engineering.

2. Two (2) samples of each material (paint, vinyl, acrylic, veneer, masonry, metal, etc.) to be used on the sign using actual substrate materials. One sample will be returned, one sent to UNO.

3. A proofing document of final production keystroking for all sign messages to verify line breaks, character and word spacing, and interline spacing. The proofs are to be scaled production art files, not full sized. Each layout is to be identified with the sign number.

## Color Palette

				
01 Red	02 Dark Gray	03 Medium Gray	04 Light Gray	05 Yellow
Pantone®: 202	439	Cool Gray 9	Cool Gray 7	124
Paint: MP08937	MP42359	MP15661	MP05295	MP00135
Oracal Series 5700 Reflective Vinyl: ---	---	---	---	---
Oracal Series 8500 Translucent Vinyl: ---	---	---	---	---
Oracal Series 751 Opaque Vinyl: ---	---	---	---	---

			
06 Caution Red	07 Black	08 White	09 Parking Blue
Pantone®: 485	Black	White	2925
Paint: MP00643	MP00833	MP27386	MP00909
Oracal Series 5700 Reflective Vinyl: 030 Red	---	010 White	---
Oracal Series 8500 Translucent Vinyl: 032 Light Red	---	---	053 Light Blue
Oracal Series 751 Opaque Vinyl: 326 Signal Red	070 Black	010 White	053 Light Blue

## Typography

### Gotham XNarrow Light

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 XNarrow Book

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 XNarrow 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

### Gotham Book

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

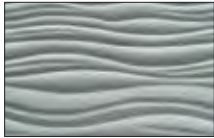

Aa Bb Cc Dd Ee Ff Gg Hh Ii Jj Kk Ll Mm Nn Oo Pp Qq Rr Ss Tt Uu Vv Ww Xx Yy Zz 1234567890

## Symbols

## Logos



## Materials Palette

	
10 Water Pattern	11 Granite
Material/Process: High Pressure Laminate Direct Embed Powder Coating www.directembedcoating.com	Material: <b>Coldspring</b> 17482 Granite West Road, Coldspring, MN coldspringusa.com Cold Spring Black, Diamond 8

## SIGN TYPE

### Graphic Standards

Color Palette, Typography,  
Symbols and materials

Fabricator is responsible for matching all colors and materials as specified and are required to provide the Owner color and material samples 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®, Akzo Nobel Paint system and Matthews Acrylic Polyurethane are 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) and exclusively a premium acrylic polyurethane. Except for the high gloss anti-graffiti coating (Sikkens LV Anti Graffiti Clear).

Signage paints produced by Matthews Paint and Akzo Nobel Paint Company are to be the standard reference.

Vinyl Films from 3M, Oracal and Avery Graphics are to be the standard.

Color application varies per sign type. Refer to specific design intent drawings for application details.

DATE	DESCRIPTION
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	Final Client Review
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109 East Front Suite 304  
Traverse City, MI 49684  
231 947.1236



## DESIGN INTENT DRAWINGS

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**SIGN TYPE**

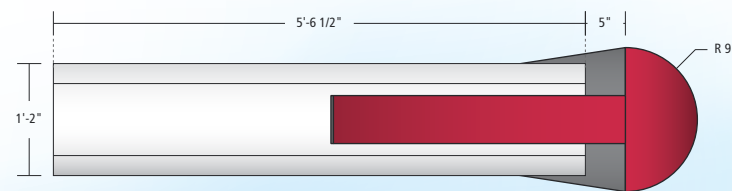
**Gx-1**

Entrance Identifier/Guide

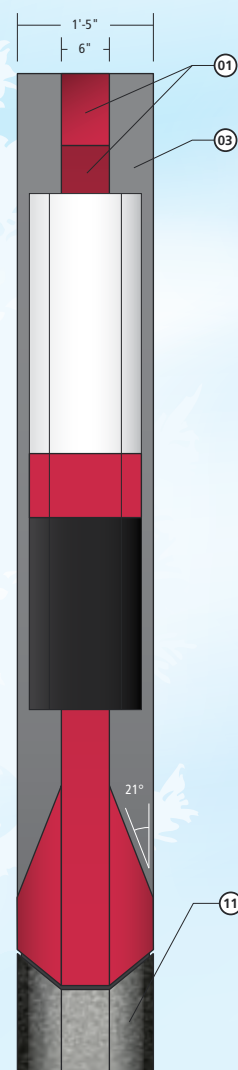
Illuminated

**COLOR**

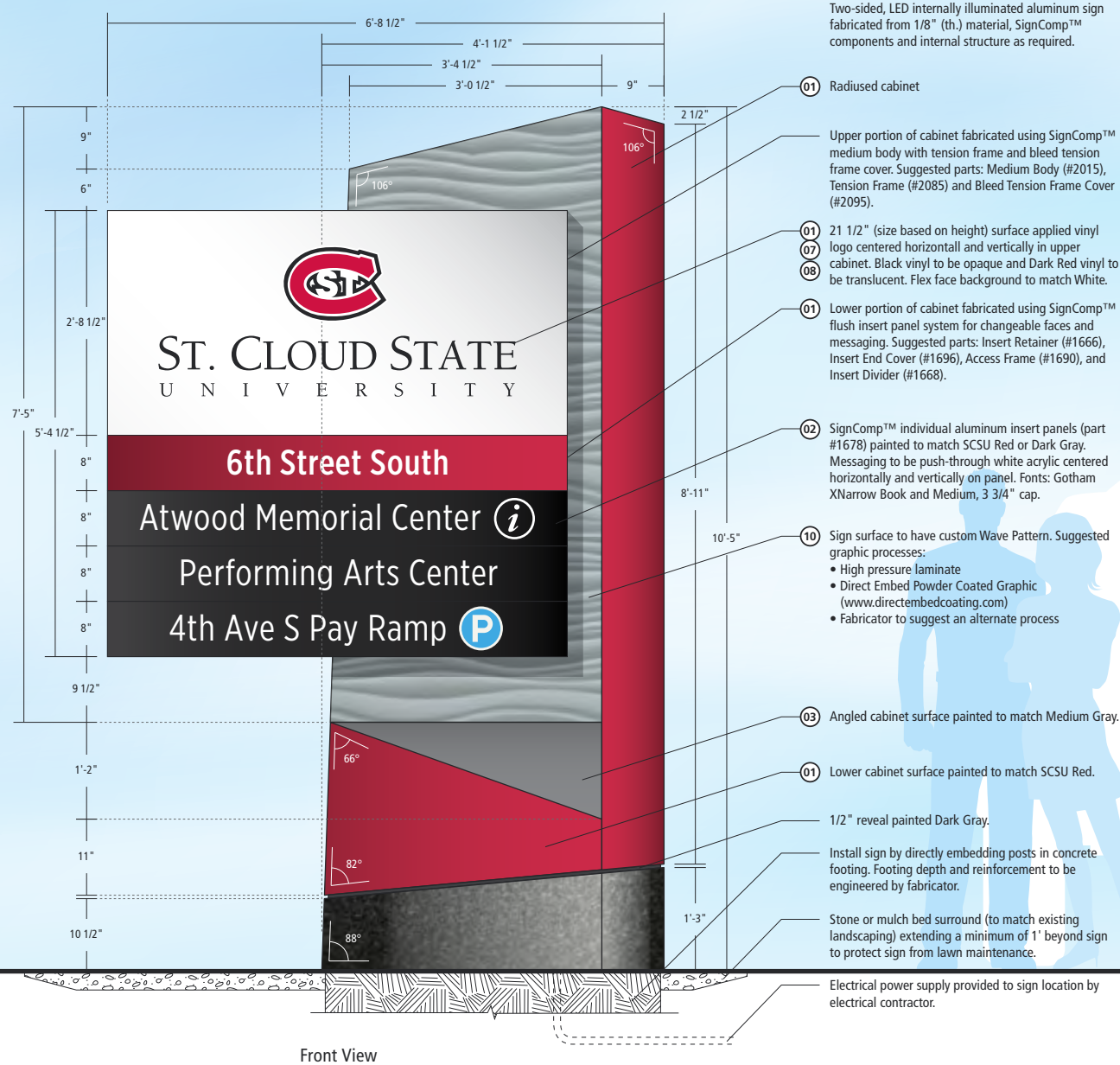
- 01  Red
- 02  Dark Gray
- 03  Medium Gray
- 04  Light Gray
- 05  Yellow
- 06  Caution Red
- 07  Black
- 08  White
- 09  Parking Blue
- 10  Wave Pattern
- 11  Granite



Top View



Side View



Front View

Two-sided, LED internally illuminated aluminum sign fabricated from 1/8" (th.) material, SignComp™ components and internal structure as required.

11 Granite veneer foundation with one-piece faces. Butt joint external corners with the seams being on the sides of the sign. Veneer is installed on CMU or poured in place concrete core. Installation per Marble Institute of America Vertical Surfaces standards. Fabricator to provide final engineering and design of veneer foundation and to be approved by St. Cloud State University and Corbin Design.

DATE	DESCRIPTION
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**SCALE**

1/2" = 1'-0"  
(on a 11" x 17" paper)



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**SIGN TYPE**

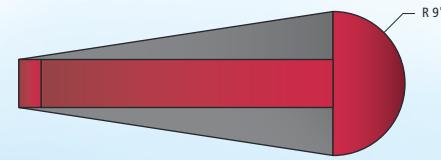
**Gx-1a**

Large Boundary Marker

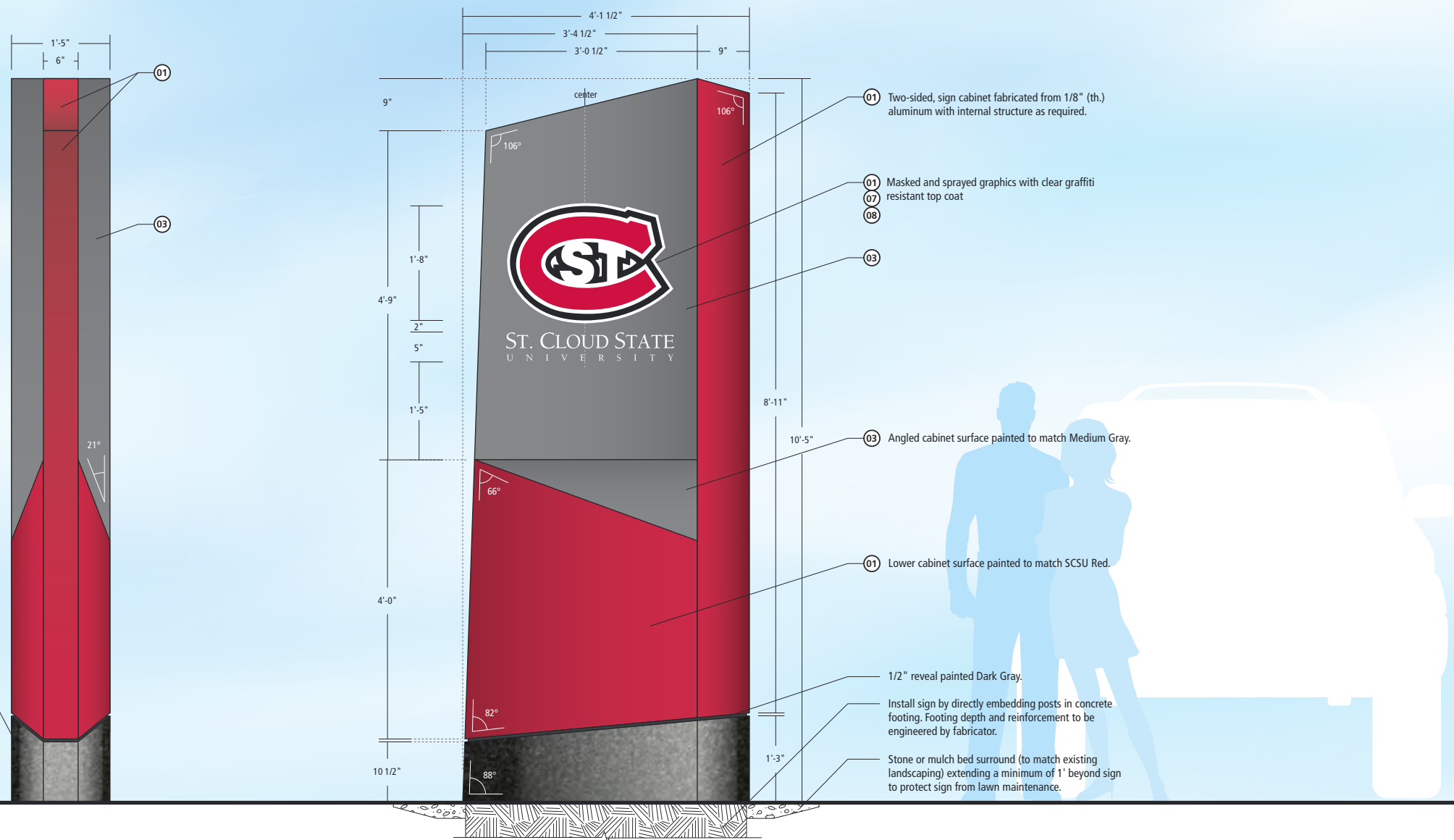
Non-Illuminated

**COLOR**

- 01 Red
- 02 Dark Gray
- 03 Medium Gray
- 04 Light Gray
- 05 Yellow
- 06 Caution Red
- 07 Black
- 08 White
- 09 Parking Blue
- 10 Wave Pattern
- 11 Granite



Top View



Side View

Front View

Granite veneer foundation with one-piece faces. Butt joint external corners with the seams being on the sides of the sign. Veneer is installed on CMU or poured in place concrete core. Installation per Marble Institute of America Vertical Surfaces standards. Fabricator to provide final engineering and design of veneer foundation and to be approved by St. Cloud State University and Corbin Design.

01 Two-sided, sign cabinet fabricated from 1/8" (th.) aluminum with internal structure as required.

01 Masked and sprayed graphics with clear graffiti resistant top coat  
07  
08

03 Angled cabinet surface painted to match Medium Gray.

01 Lower cabinet surface painted to match SCSU Red.

1/2" reveal painted Dark Gray.

Install sign by directly embedding posts in concrete footing. Footing depth and reinforcement to be engineered by fabricator.

Stone or mulch bed surround (to match existing landscaping) extending a minimum of 1' beyond sign to protect sign from lawn maintenance.

**DATE DESCRIPTION**

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**SCALE**

1/2" = 1'-0"  
(on a 11" x 17" paper)



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**SIGN TYPE**

**Gx-1b**

Small Boundary Marker

Non-Illuminated

**COLOR**

- 01  Red
- 02  Dark Gray
- 03  Medium Gray
- 04  Light Gray
- 05  Yellow
- 06  Caution Red
- 07  Black
- 08  White
- 09  Parking Blue
- 10  Wave Pattern
- 11  Granite

**DATE DESCRIPTION**

04.28.15 Final Client Review

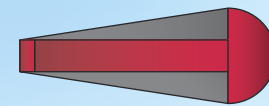
**SCALE**

1/2" = 1'-0"  
(on a 11" x 17" paper)



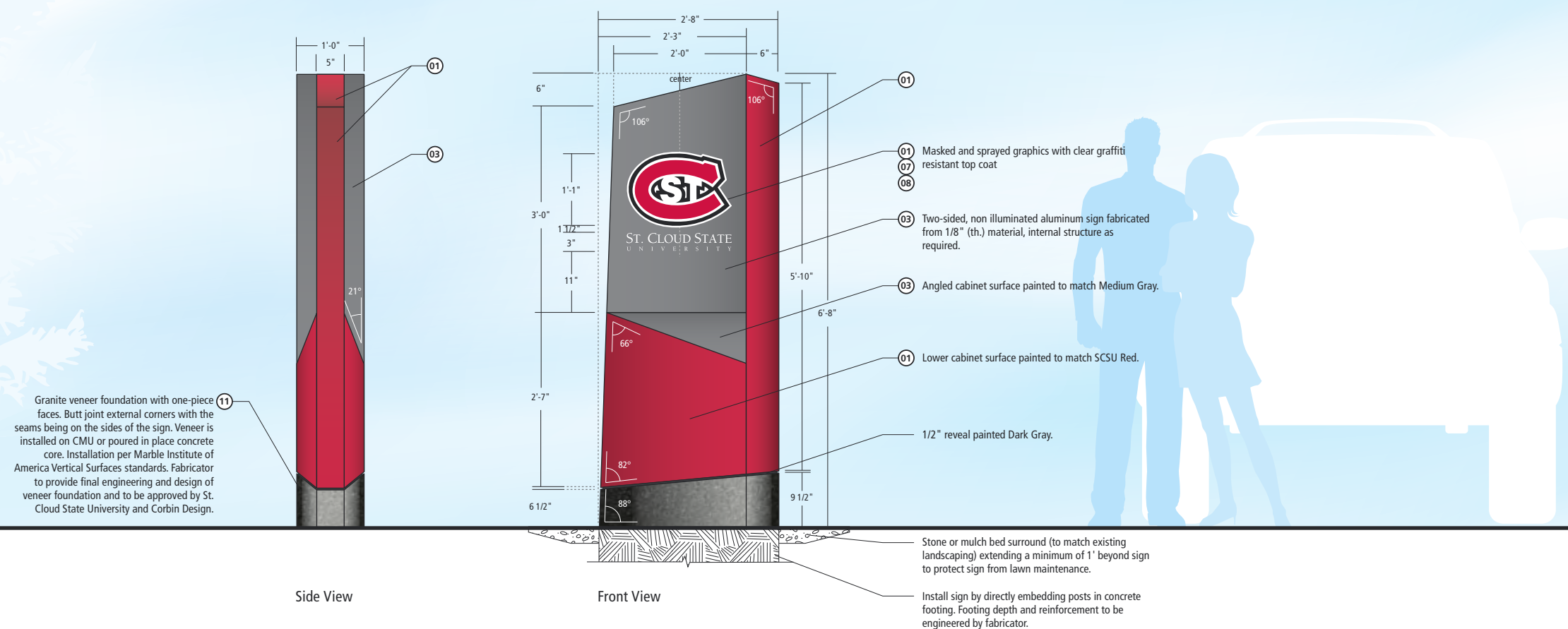
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Top View

Two-sided, sign cabinet fabricated from 1/8" (th.) aluminum with internal structure as required.





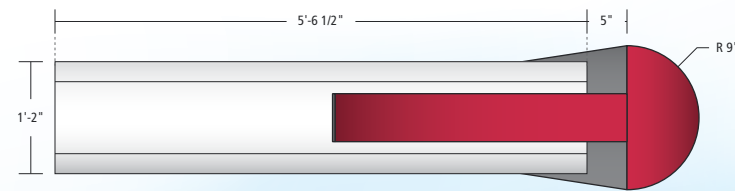
**SIGN TYPE**

**Gx-2**

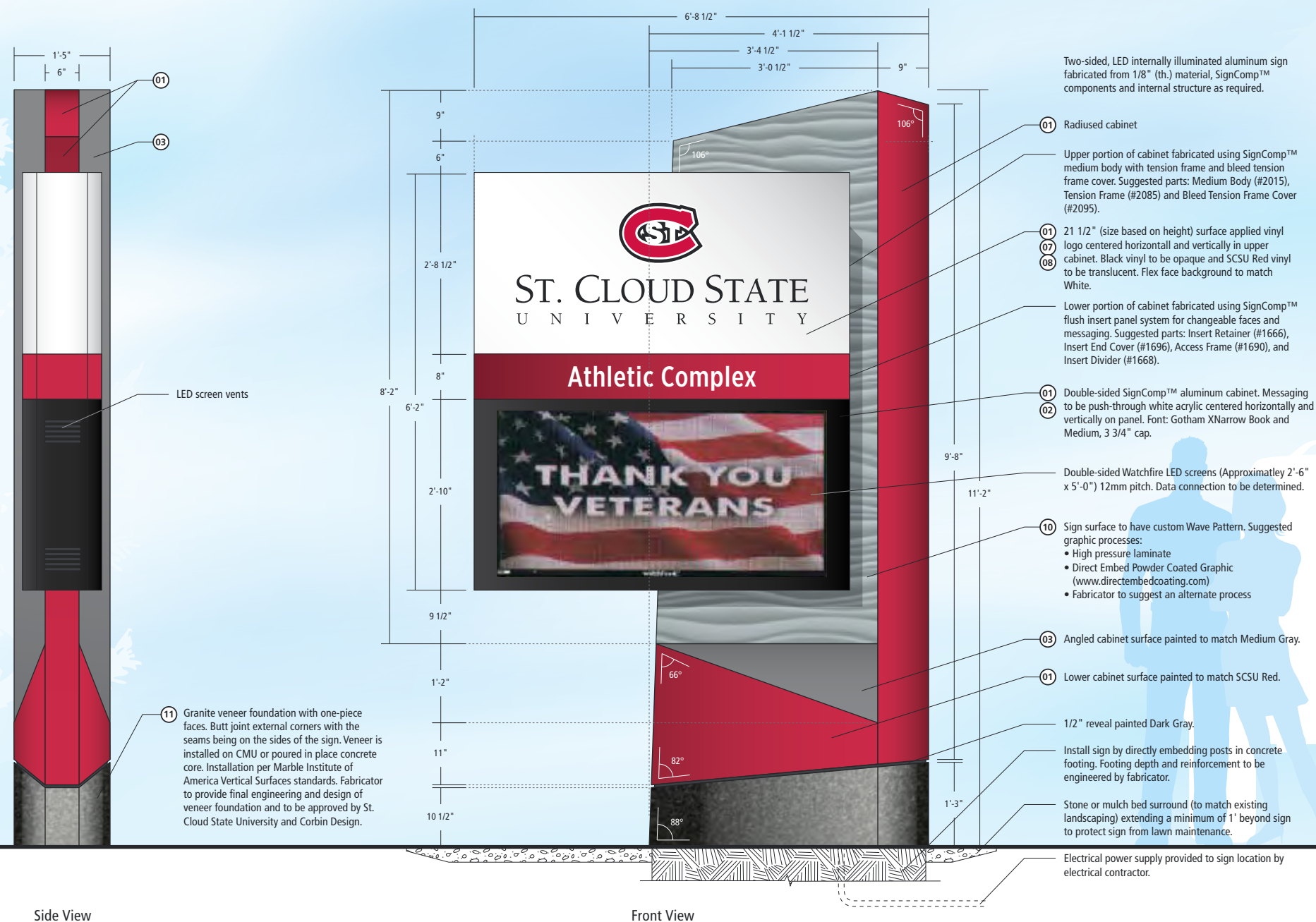
Entrance Identifier/Guide  
Illuminated  
LED Message Board

**COLOR**

- 01  Red
- 02  Dark Gray
- 03  Medium Gray
- 04  Light Gray
- 05  Yellow
- 06  Caution Red
- 07  Black
- 08  White
- 09  Parking Blue
- 10  Wave Pattern
- 11  Granite



Top View



Side View

Front View

Two-sided, LED internally illuminated aluminum sign fabricated from 1/8" (th.) material, SignComp™ components and internal structure as required.

- 01 Radiused cabinet
- Upper portion of cabinet fabricated using SignComp™ medium body with tension frame and bleed tension frame cover. Suggested parts: Medium Body (#2015), Tension Frame (#2085) and Bleed Tension Frame Cover (#2095).
- 01 21 1/2" (size based on height) surface applied vinyl logo centered horizontally and vertically in upper cabinet. Black vinyl to be opaque and SCSU Red vinyl to be translucent. Flex face background to match White.
- Lower portion of cabinet fabricated using SignComp™ flush insert panel system for changeable faces and messaging. Suggested parts: Insert Retainer (#1666), Insert End Cover (#1696), Access Frame (#1690), and Insert Divider (#1668).
- 01 Double-sided SignComp™ aluminum cabinet. Messaging to be push-through white acrylic centered horizontally and vertically on panel. Font: Gotham XNarrow Book and Medium, 3 3/4" cap.
- Double-sided Watchfire LED screens (Approximately 2'-6" x 5'-0") 12mm pitch. Data connection to be determined.
- 10 Sign surface to have custom Wave Pattern. Suggested graphic processes:
  - High pressure laminate
  - Direct Embed Powder Coated Graphic ([www.directembedcoating.com](http://www.directembedcoating.com))
  - Fabricator to suggest an alternate process
- 03 Angled cabinet surface painted to match Medium Gray.
- 01 Lower cabinet surface painted to match SCSU Red.
- 1/2" reveal painted Dark Gray.
- Install sign by directly embedding posts in concrete footing. Footing depth and reinforcement to be engineered by fabricator.
- Stone or mulch bed surround (to match existing landscaping) extending a minimum of 1" beyond sign to protect sign from lawn maintenance.
- Electrical power supply provided to sign location by electrical contractor.

**DATE DESCRIPTION**

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**SCALE**

1/2" = 1'-0"  
(on a 11" x 17" paper)



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**SIGN TYPE**

**Gx-4**

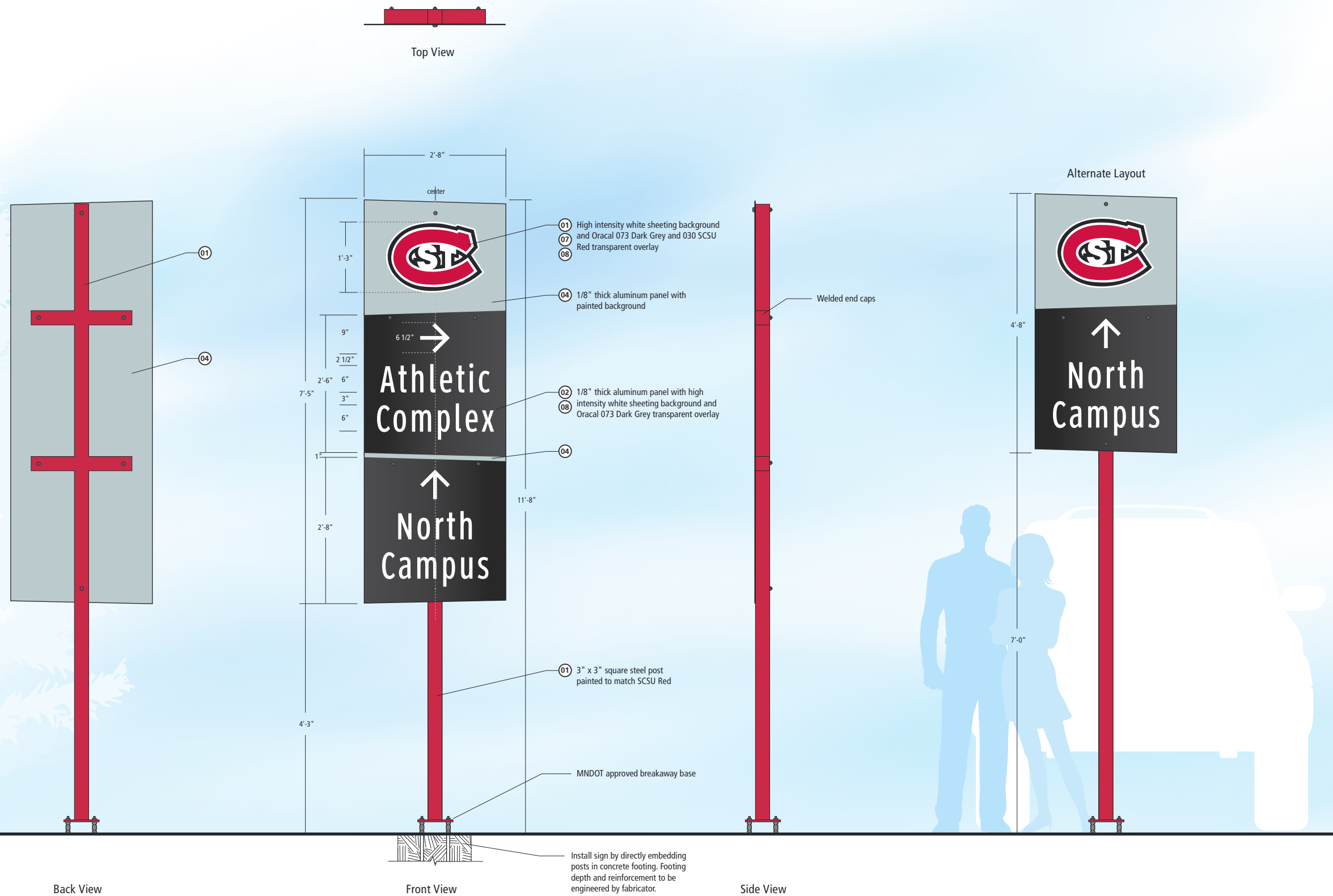
Vehicular Roundabout Guide,

6in tall Copy

Non-Illuminated

**COLOR**

- 01 Red
- 02 Dark Gray
- 03 Medium Gray
- 04 Light Gray
- 05 Yellow
- 06 Caution Red
- 07 Black
- 08 White
- 09 Parking Blue
- 10 Wave Pattern
- 11 Granite



**DATE DESCRIPTION**

04.28.15 Final Client Review

**SCALE**

1/2" = 1'-0"  
(on a 11" x 17" paper)



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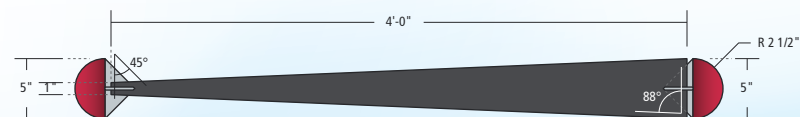
**SIGN TYPE**

**Gx-5**

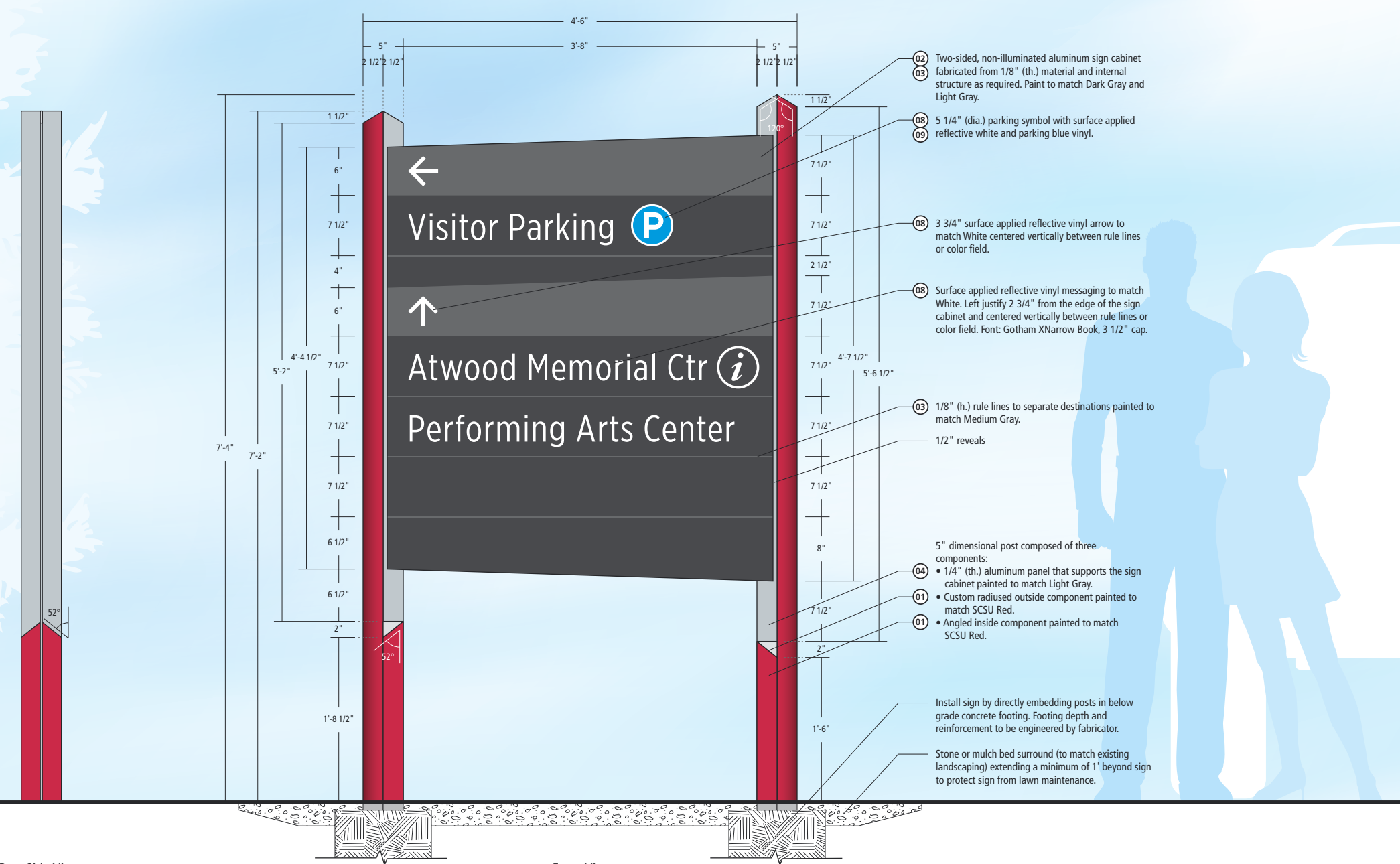
Primary Vehicular Guide  
Non-illuminated

**COLOR**

- 01  Red
- 02  Dark Gray
- 03  Medium Gray
- 04  Light Gray
- 05  Yellow
- 06  Caution Red
- 07  Black
- 08  White
- 09  Parking Blue
- 10  Wave Pattern
- 11  Granite



Top View



Post Side View  
(from inside)

Front View

- 02 Two-sided, non-illuminated aluminum sign cabinet fabricated from 1/8" (th.) material and internal structure as required. Paint to match Dark Gray and Light Gray.
- 03 1/8" (h.) rule lines to separate destinations painted to match Medium Gray.
- 08 5 1/4" (dia.) parking symbol with surface applied reflective white and parking blue vinyl.
- 09 3 3/4" surface applied reflective vinyl arrow to match White centered vertically between rule lines or color field.
- 08 Surface applied reflective vinyl messaging to match White. Left justify 2 3/4" from the edge of the sign cabinet and centered vertically between rule lines or color field. Font: Gotham XNarrow Book, 3 1/2" cap.
- 04 1/4" (th.) aluminum panel that supports the sign cabinet painted to match Light Gray.
- 01 Custom radiused outside component painted to match SCSU Red.
- 01 Angled inside component painted to match SCSU Red.

5" dimensional post composed of three components:

- 1/4" (th.) aluminum panel that supports the sign cabinet painted to match Light Gray.
- Custom radiused outside component painted to match SCSU Red.
- Angled inside component painted to match SCSU Red.

1/2" reveals

Install sign by directly embedding posts in below grade concrete footing. Footing depth and reinforcement to be engineered by fabricator.

Stone or mulch bed surround (to match existing landscaping) extending a minimum of 1' beyond sign to protect sign from lawn maintenance.

**DATE DESCRIPTION**

DATE	DESCRIPTION
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**SCALE**

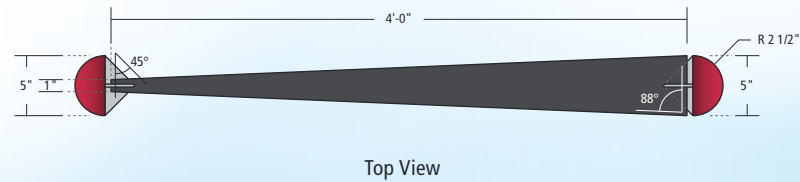
3/4" = 1'-0"  
(on a 11" x 17" paper)



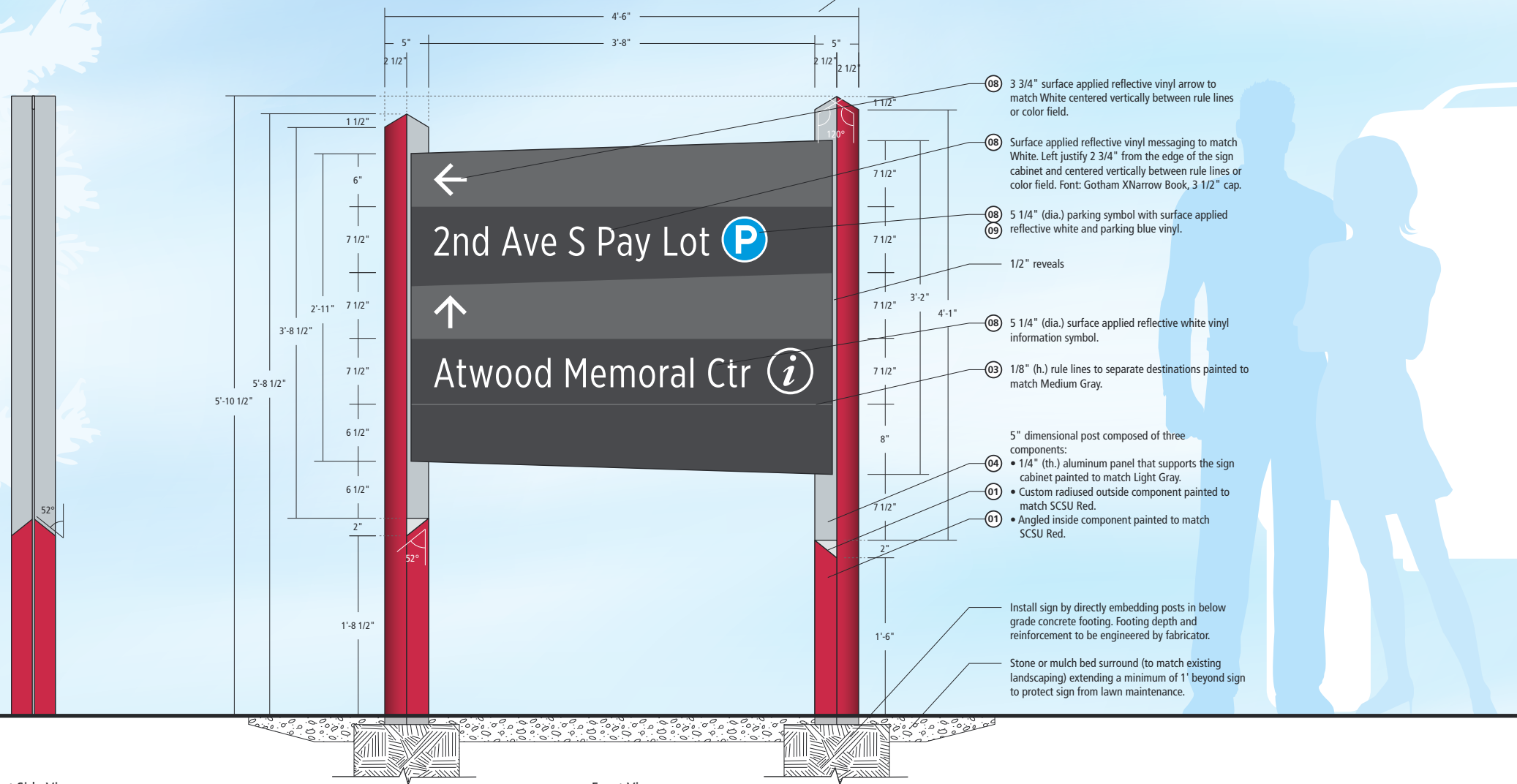
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Alternate Layout



Top View



Post Side View  
(from inside)

Front View

**SIGN TYPE**

**Gx-6**

Secondary Vehicular Guide  
Non-illuminated

**COLOR**

- 01 Red
- 02 Dark Gray
- 03 Medium Gray
- 04 Light Gray
- 05 Yellow
- 06 Caution Red
- 07 Black
- 08 White
- 09 Parking Blue
- 10 Wave Pattern
- 11 Granite

**DATE DESCRIPTION**

04.28.15 Final Client Review

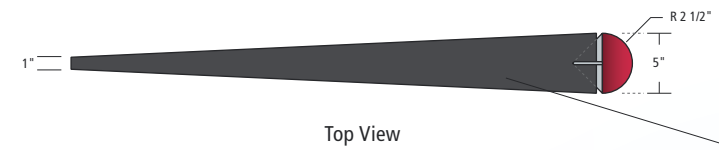
**SCALE**

3/4" = 1'-0"  
(on a 11" x 17" paper)



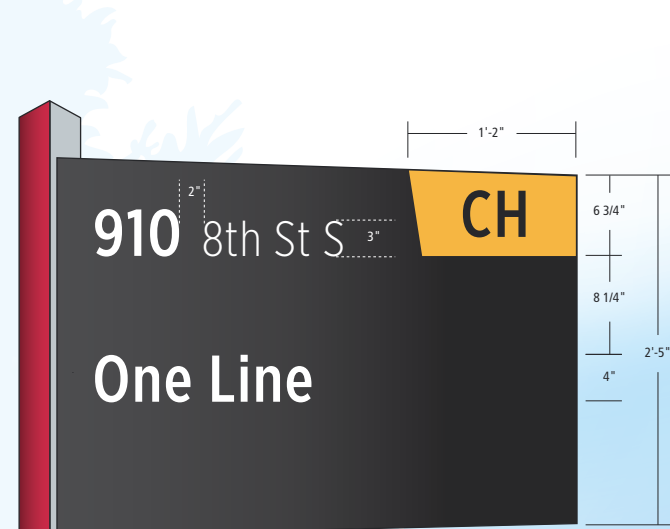
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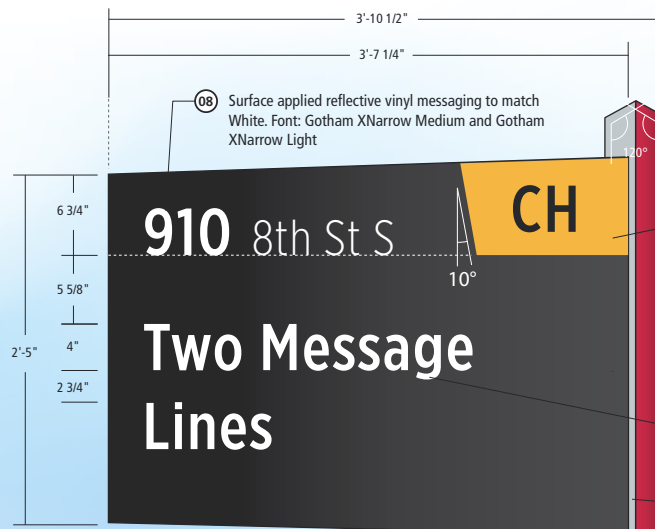


Top View

02 Two-sided, non-illuminated aluminum sign cabinet fabricated from 1/8" (th.) material and internal structure as required.



Alternate Layout



Minimum 7'-0" clearance to bottom of sign

08 Surface applied reflective vinyl messaging to match White. Font: Gotham XNarrow Medium and Gotham XNarrow Light

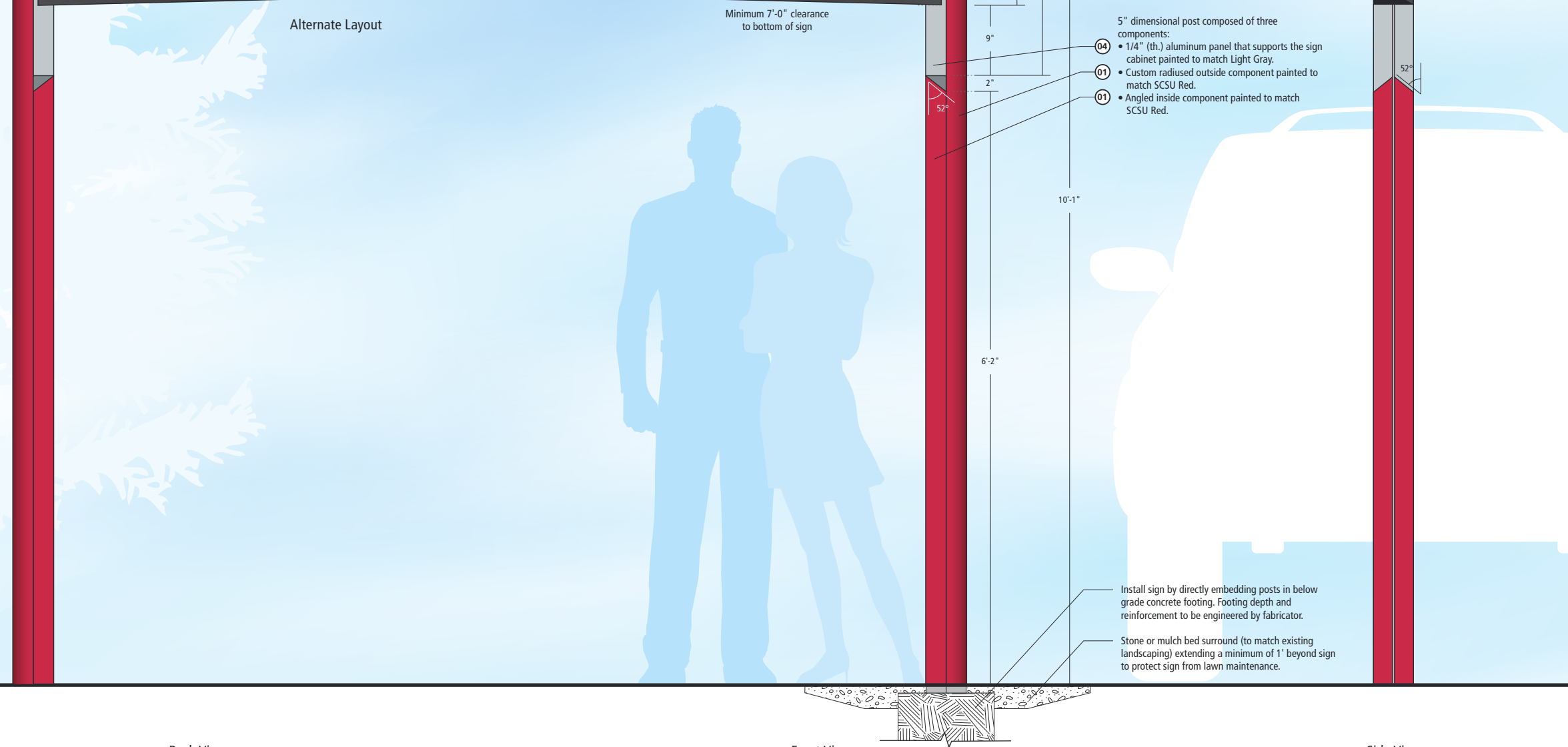
05 Mask and spray color field. Font: Gotham XNarrow Medium

08 Surface applied reflective vinyl messaging to match White. Font: Gotham XNarrow Medium

1/2" reveals

5" dimensional post composed of three components:  
 • 1/4" (th.) aluminum panel that supports the sign cabinet painted to match Light Gray.  
 • Custom radiused outside component painted to match SCSU Red.  
 • Angled inside component painted to match SCSU Red.

Install sign by directly embedding posts in below grade concrete footing. Footing depth and reinforcement to be engineered by fabricator.  
 Stone or mulch bed surround (to match existing landscaping) extending a minimum of 1' beyond sign to protect sign from lawn maintenance.



Side View

Back View

Front View

**SIGN TYPE**

**lx-1a**  
 Building Identification  
 Freestanding, Overhead  
 Non-illuminated

**COLOR**

- 01 Red
- 02 Dark Gray
- 03 Medium Gray
- 04 Light Gray
- 05 Yellow
- 06 Caution Red
- 07 Black
- 08 White
- 09 Parking Blue
- 10 Wave Pattern
- 11 Granite

**DATE DESCRIPTION**

04.28.15 Final Client Review

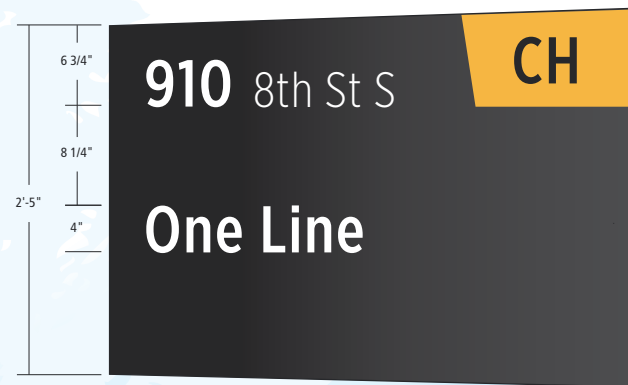
**SCALE**

3/4" = 1'-0"  
 (on a 11" x 17" paper)

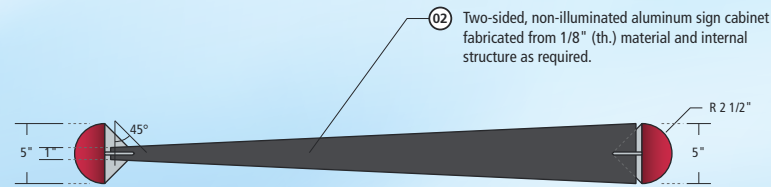


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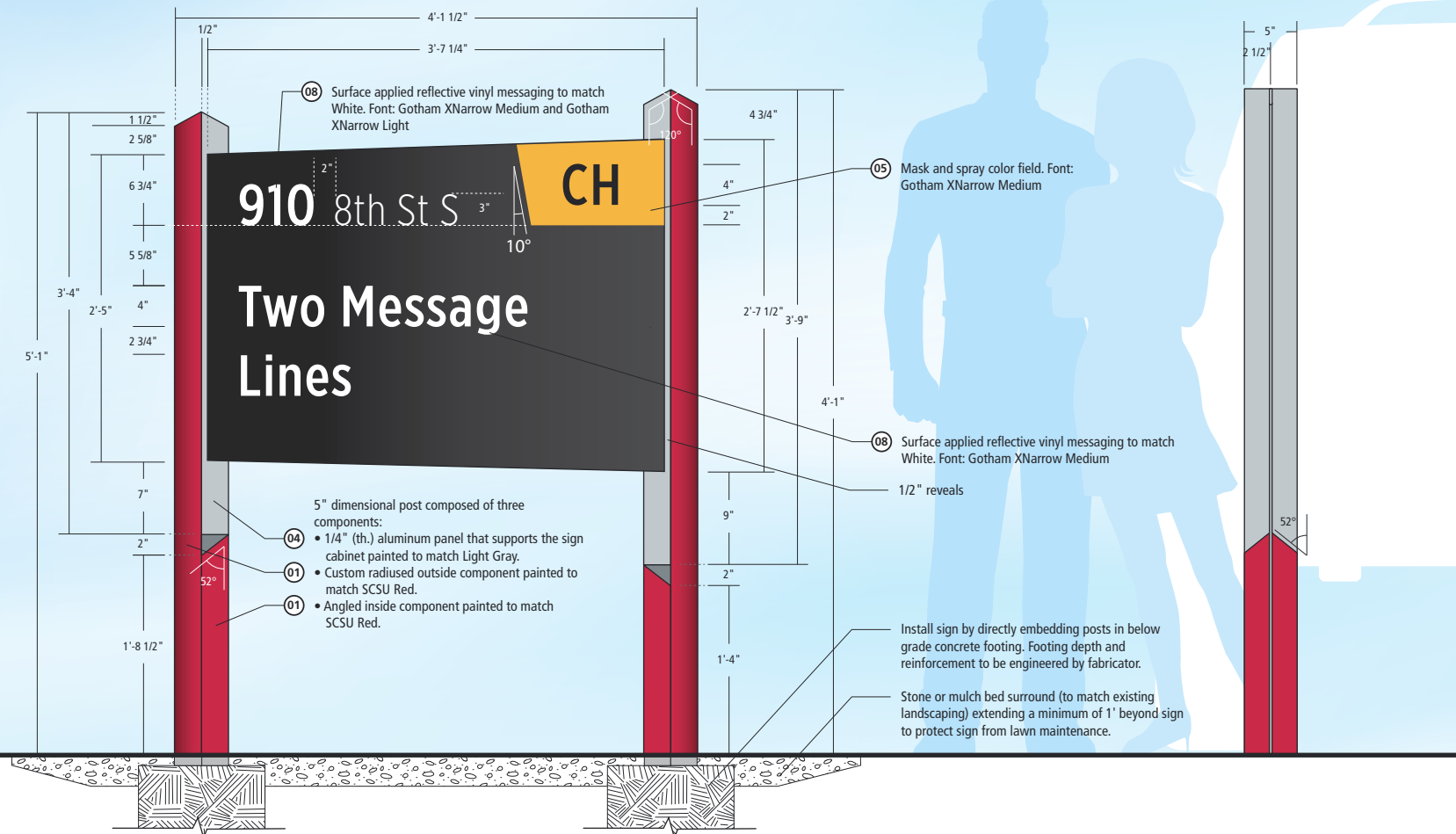
Alternate Layout



Top View



Back View



Front View

Post Side View  
(from inside)

**SIGN TYPE**

**Ix- 1b**

Building Identification  
Freestanding, Low  
Non-illuminated

**COLOR**

- 01 Red
- 02 Dark Gray
- 03 Medium Gray
- 04 Light Gray
- 05 Yellow
- 06 Caution Red
- 07 Black
- 08 White
- 09 Parking Blue
- 10 Wave Pattern
- 11 Granite

**DATE DESCRIPTION**

04.28.15 Final Client Review

**SCALE**

3/4" = 1'-0"  
(on a 11" x 17" paper)



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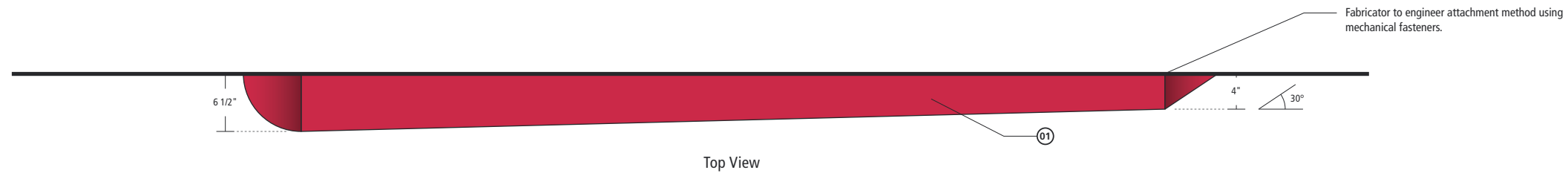
**SIGN TYPE**

**Ix-2**

Building ID – Wall-mounted, Large Non-illuminated

**COLOR**

- 01  Red
- 02  Dark Gray
- 03  Medium Gray
- 04  Light Gray
- 05  Yellow
- 06  Caution Red
- 07  Black
- 08  White
- 09  Parking Blue
- 10  Wave Pattern
- 11  Granite



**DATE DESCRIPTION**

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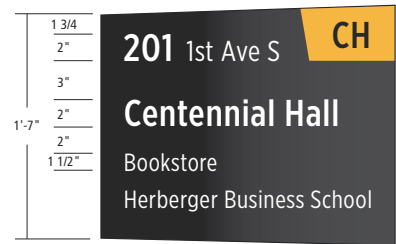
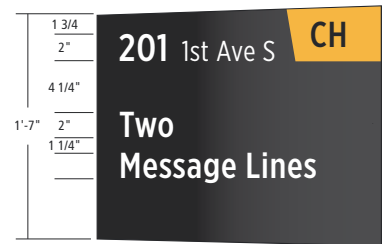
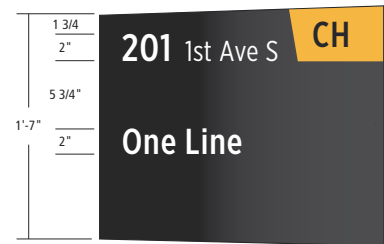
**SCALE**

3/4" = 1'-0"  
(on a 11" x 17" paper)



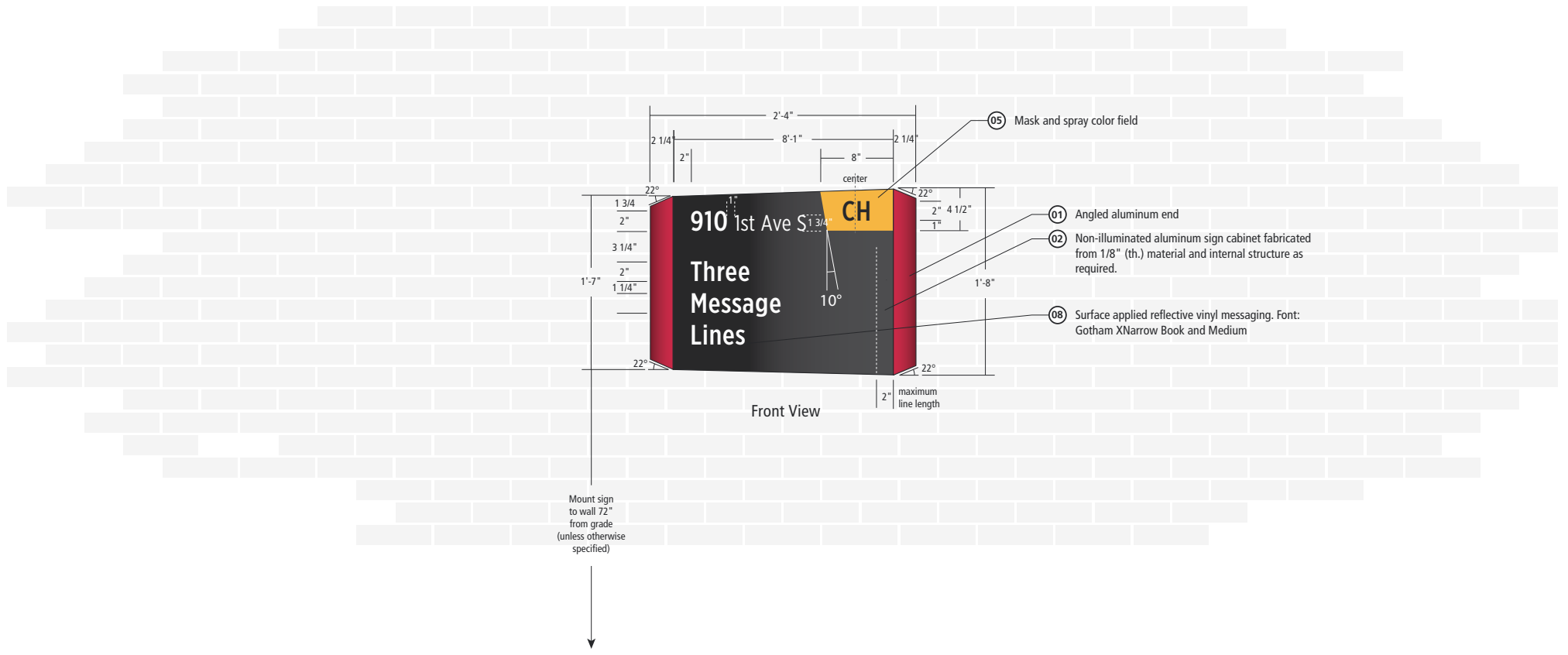
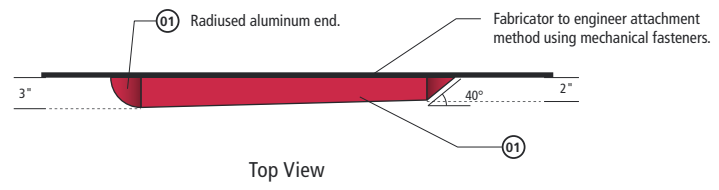
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Alternate Layouts

Custom Layout



**SIGN TYPE**

**Ix-3**  
 Building ID – Wall-mounted, Small  
 Non-illuminated

**COLOR**

- 01 Red
- 02 Dark Gray
- 03 Medium Gray
- 04 Light Gray
- 05 Yellow
- 06 Caution Red
- 07 Black
- 08 White
- 09 Parking Blue
- 10 Wave Pattern
- 11 Granite

**DATE DESCRIPTION**

04.28.15	Final Client Review
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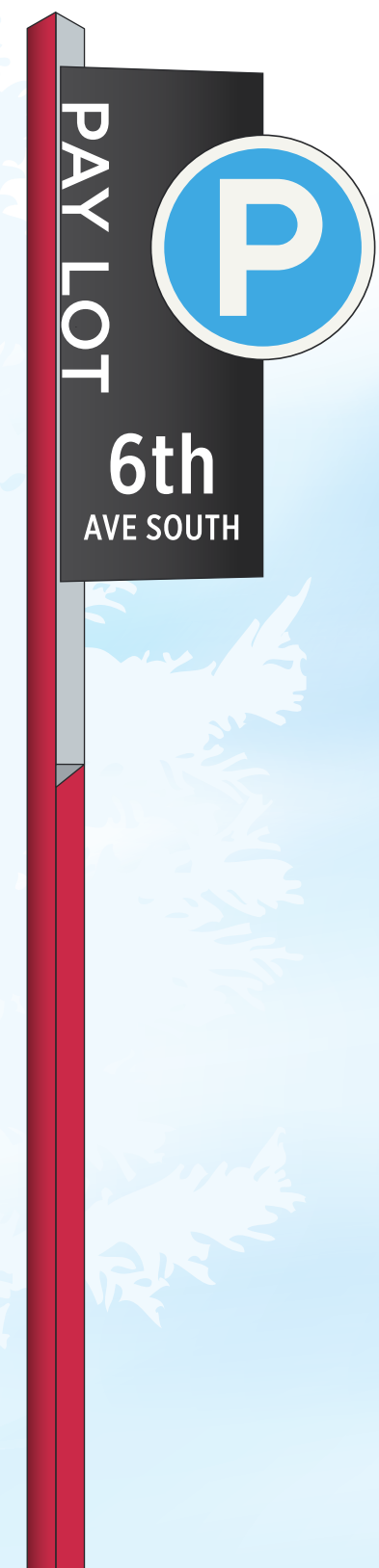
**SCALE**

3/4" = 1'-0"  
 (on a 11" x 17" paper)

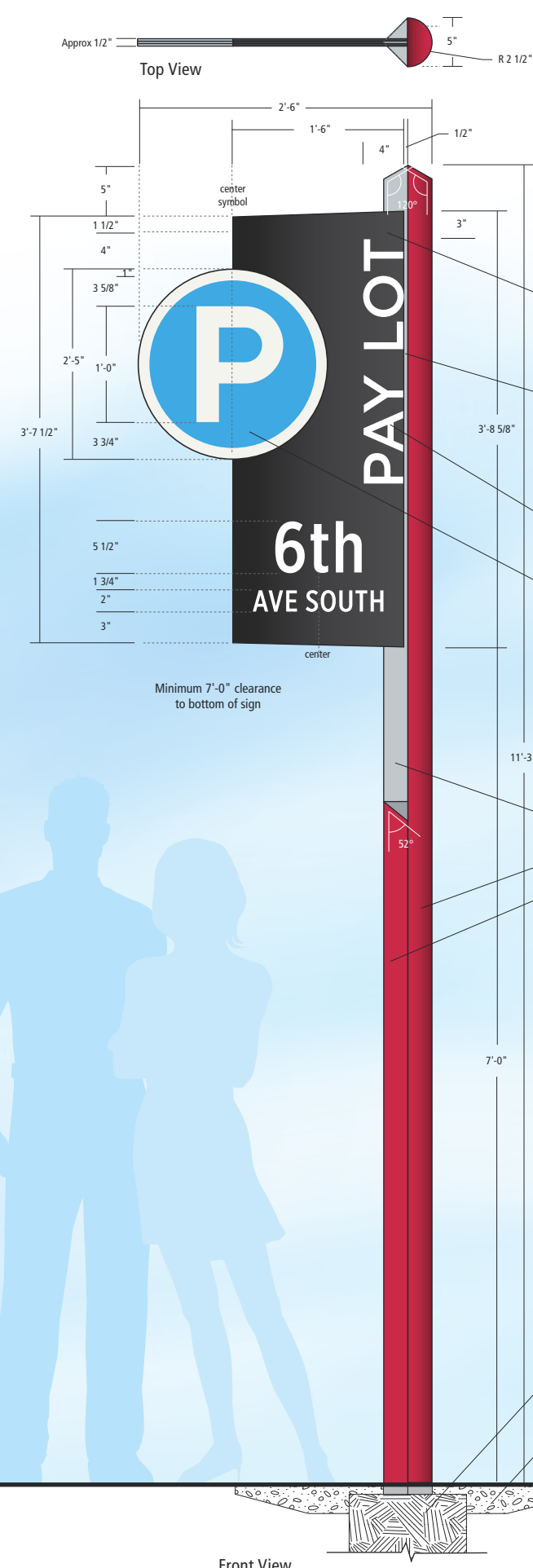


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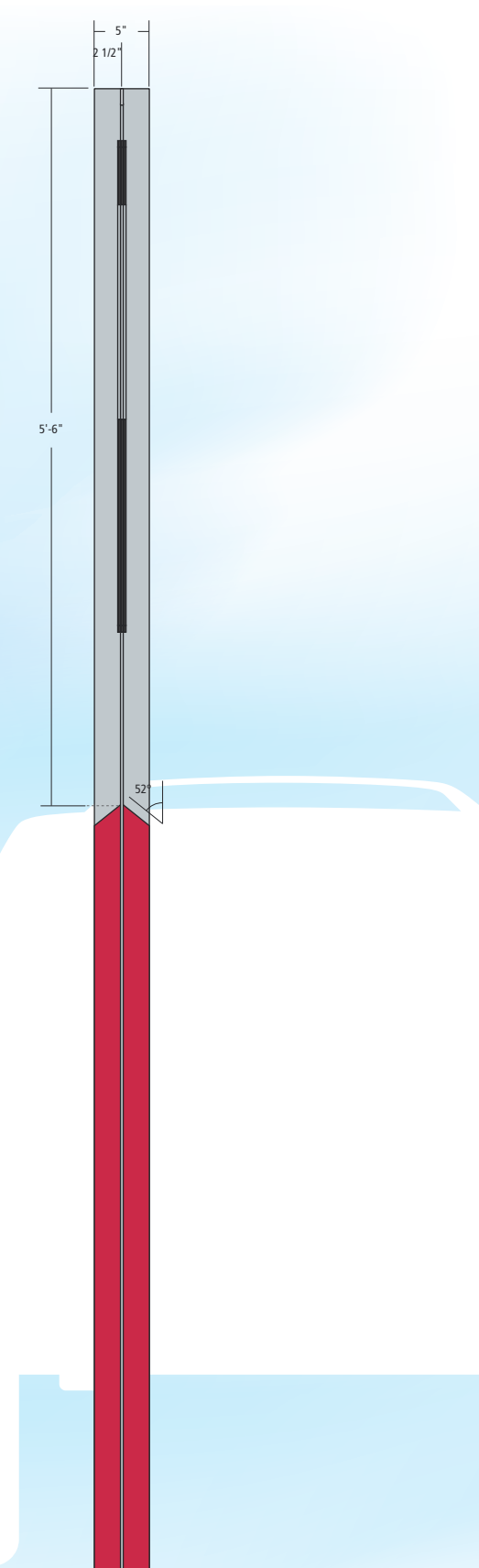




Back View



Front View



Side View

**SIGN TYPE**

**Ix-5**  
**Parking Lot Identification**  
**Non-illuminated**

**COLOR**

- 01 SCSU Red
- 02 Dark Gray
- 03 Medium Gray
- 04 Light Gray
- 05 Yellow
- 06 Caution Red
- 07 Black
- 08 White
- 09 Parking Blue
- 10 Wave Pattern
- 11 Granite

**DATE DESCRIPTION**

04.28.15 Final Client Review

**SCALE**

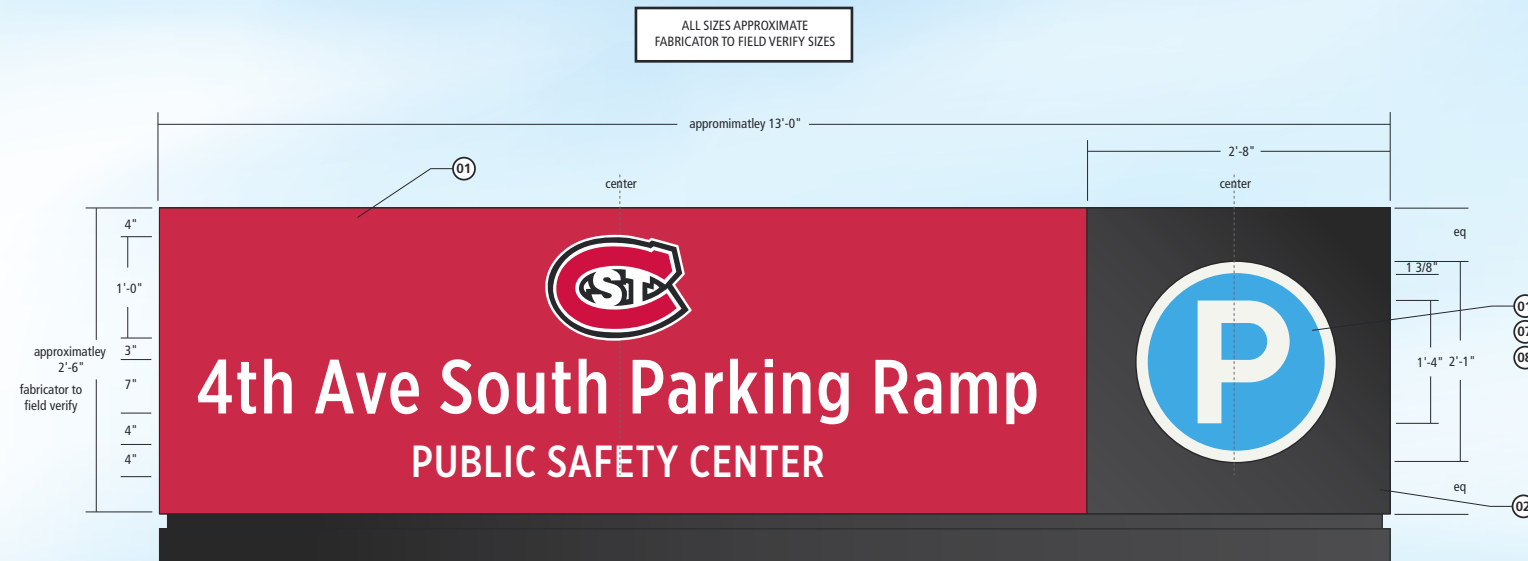
3/4" = 1'-0"  
 (on a 11" x 17" paper)



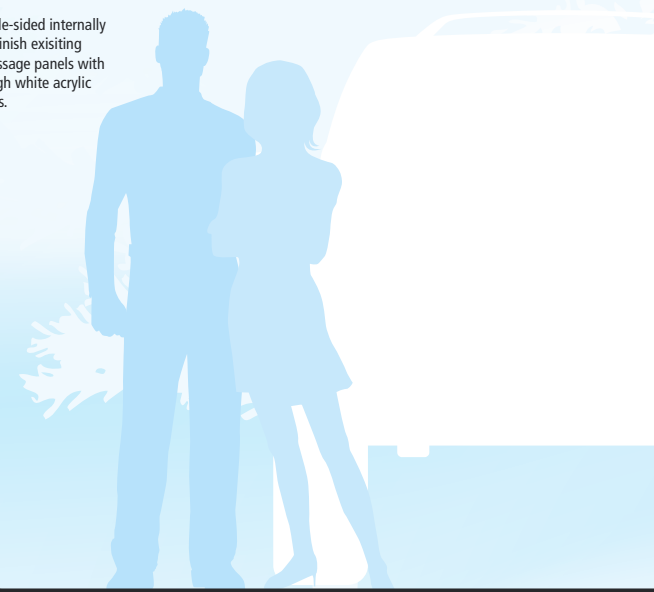
**corbindesign**  
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 Traverse City, MI 49684  
 231 947.1236



Photo of existing sign



01 Refurbish existing double-sided internally illuminated cabinet. Refinish existing cabinet and replace message panels with cut-out and push-through white acrylic and translucent graphics.



Front View

**SIGN TYPE**

**Ix-6**

Custom Parking Garage Identification  
(Retrofit existing sign cabinet)

Illuminated

**COLOR**

- 01 Red
- 02 Dark Gray
- 03 Medium Gray
- 04 Light Gray
- 05 Yellow
- 06 Caution Red
- 07 Black
- 08 White
- 09 Parking Blue
- 10 Wave Pattern
- 11 Granite

**DATE DESCRIPTION**

04.28.15 Final Client Review

**SCALE**

1/2" = 1'-0"  
(on a 11" x 17" paper)



**corbindesign**

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- ALL SIZES APPROXIMATE  
FABRICATOR TO FIELD VERIFY SIZES
- 01 Painted both sides of concrete bridge. Use exterior grade concrete paint to match SCSU Red.
  - 02 1/4" aluminum plate logo with painted finish. Flush stud mounted to concrete bridge. Logo to appear on both sides of bridge.

**SIGN TYPE**

**lx-7**  
Pedestrian Bridge Branding

**COLOR**

- 01 SCSU Red
- 02 Dark Gray
- 03 Medium Gray
- 04 Light Gray
- 05 Yellow
- 06 Caution Red
- 07 Black
- 08 White
- 09 Parking Blue
- 10 Wave Pattern
- 11 Granite



**DATE DESCRIPTION**

DATE	DESCRIPTION
04.28.15	Final Client Review

**SCALE**

Not to scale

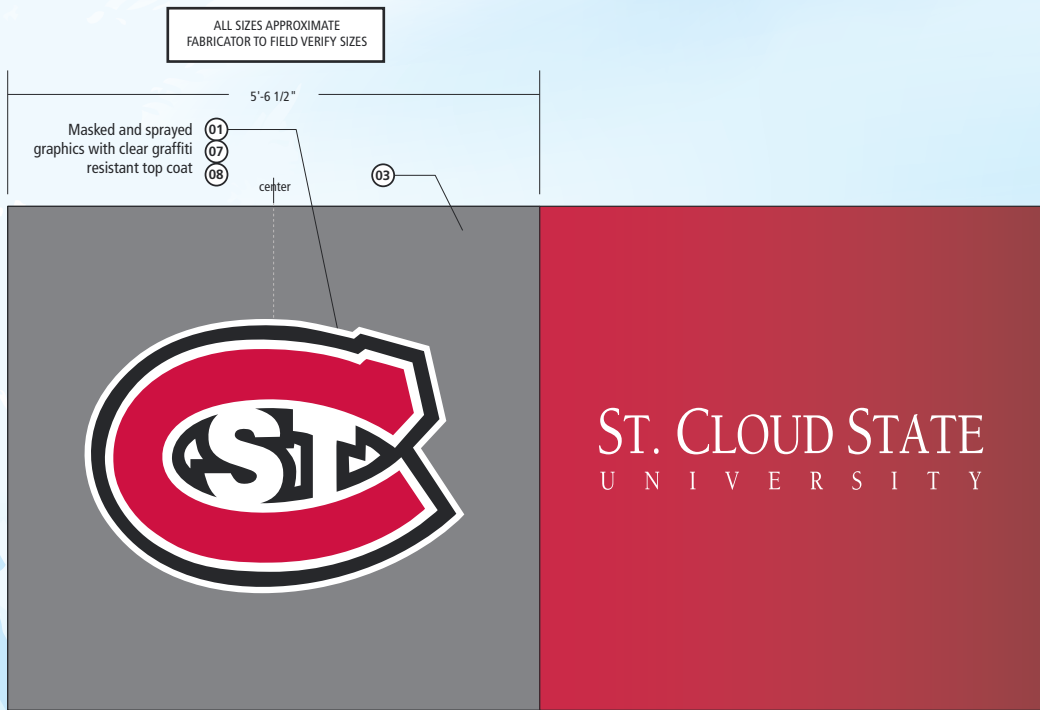
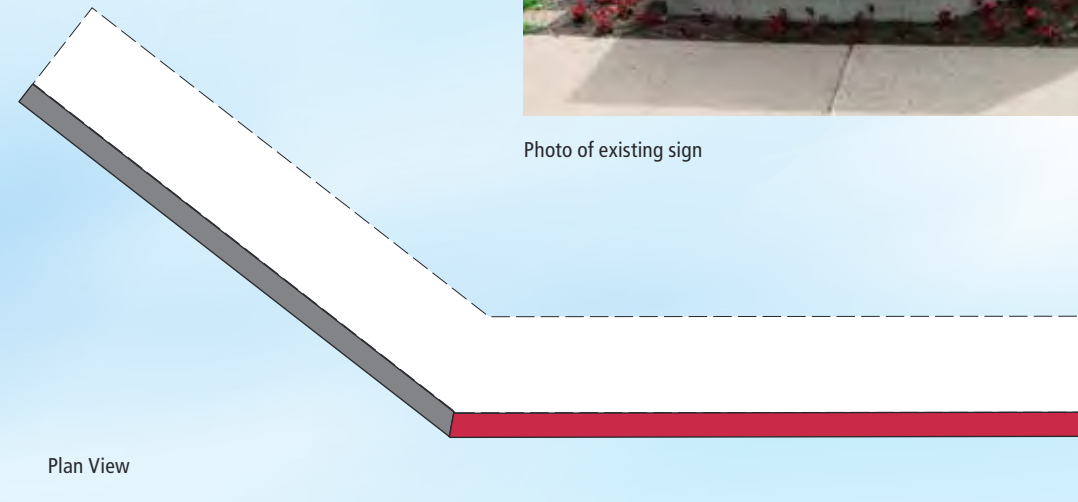
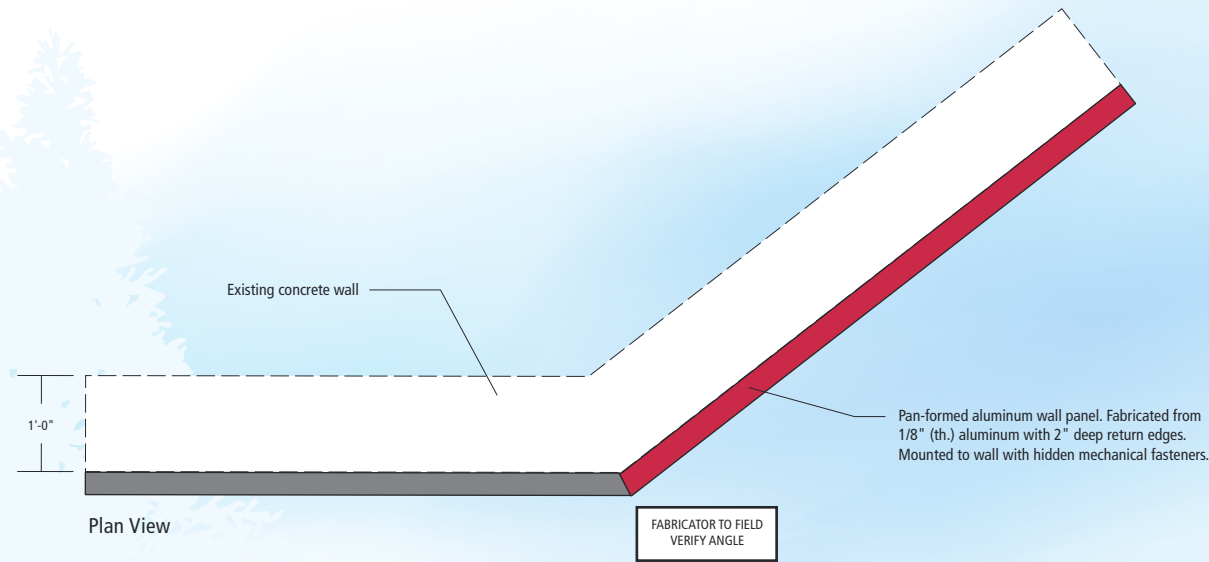


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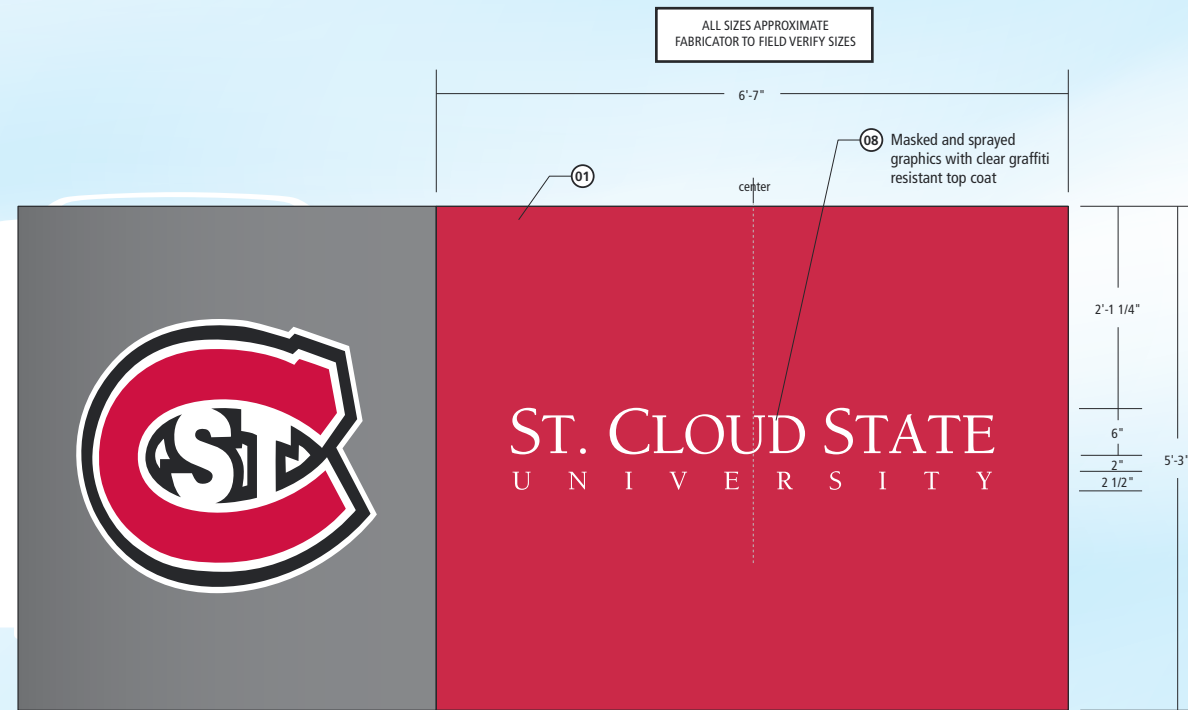




Photo of existing sign



Front View (logo symbol panel)



Front View (logo type panel)

**SIGN TYPE**

**Ix-8**

Campus Identification (retrofit)

**COLOR**

- 01  Red
- 02  Dark Gray
- 03  Medium Gray
- 04  Light Gray
- 05  Yellow
- 06  Caution Red
- 07  Black
- 08  White
- 09  Parking Blue
- 10  Wave Pattern
- 11  Granite

**DATE DESCRIPTION**

05.08.15 New Sign Type

**SCALE**

1/2" = 1'-0"  
(on a 11" x 17" paper)














**corbindesign**

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

**SIGN TYPE**

**Dx-1**  
**Pedestrian Map Kiosk**  
**Non-Illuminated**

**COLOR**

- 01  SCSU Red
- 02  Dark Gray
- 03  Medium Gray
- 04  Light Gray
- 05  Yellow
- 06  Caution Red
- 07  Black
- 08  White
- 09  Parking Blue
- 10  Wave Pattern
- 11  Granite



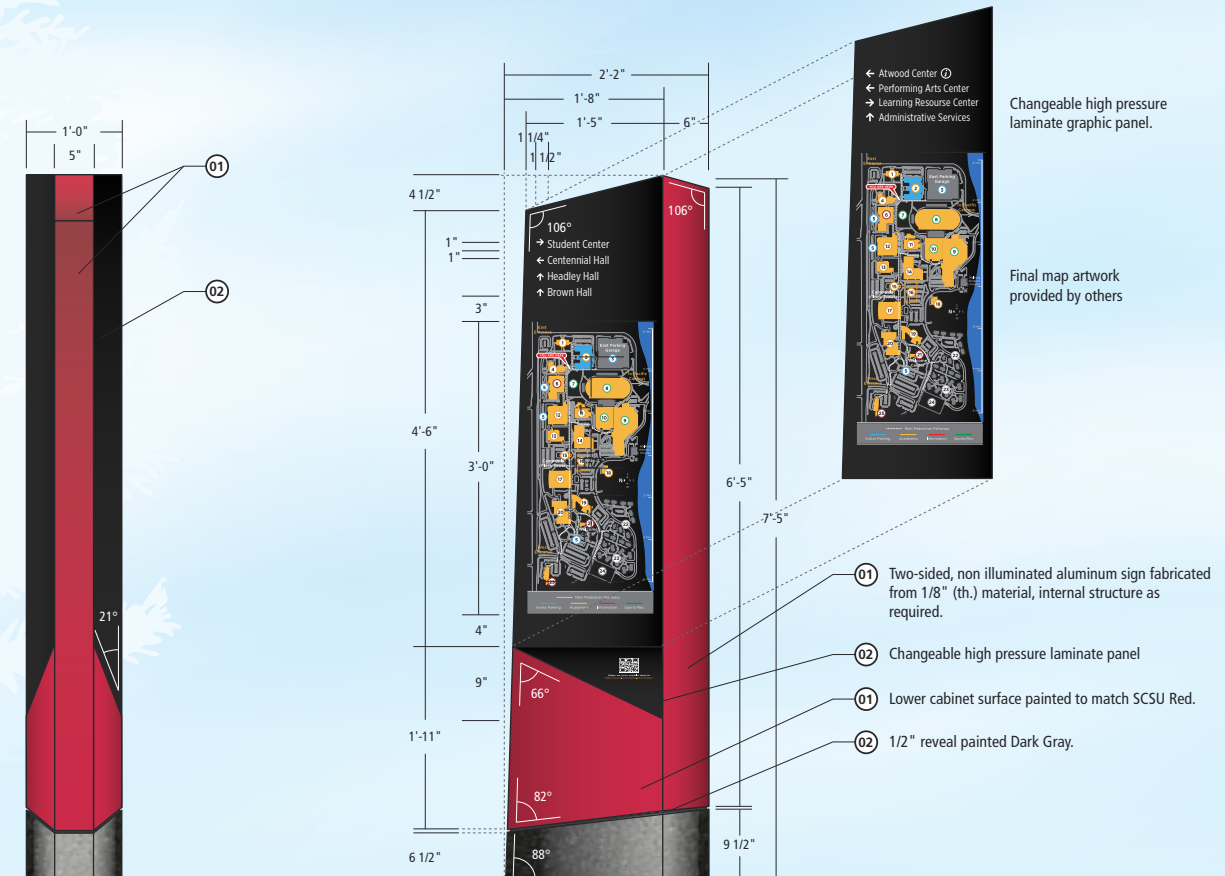
Top View



OPTION 2 Grey Husky  
 OPTION 3 Full Color Husky

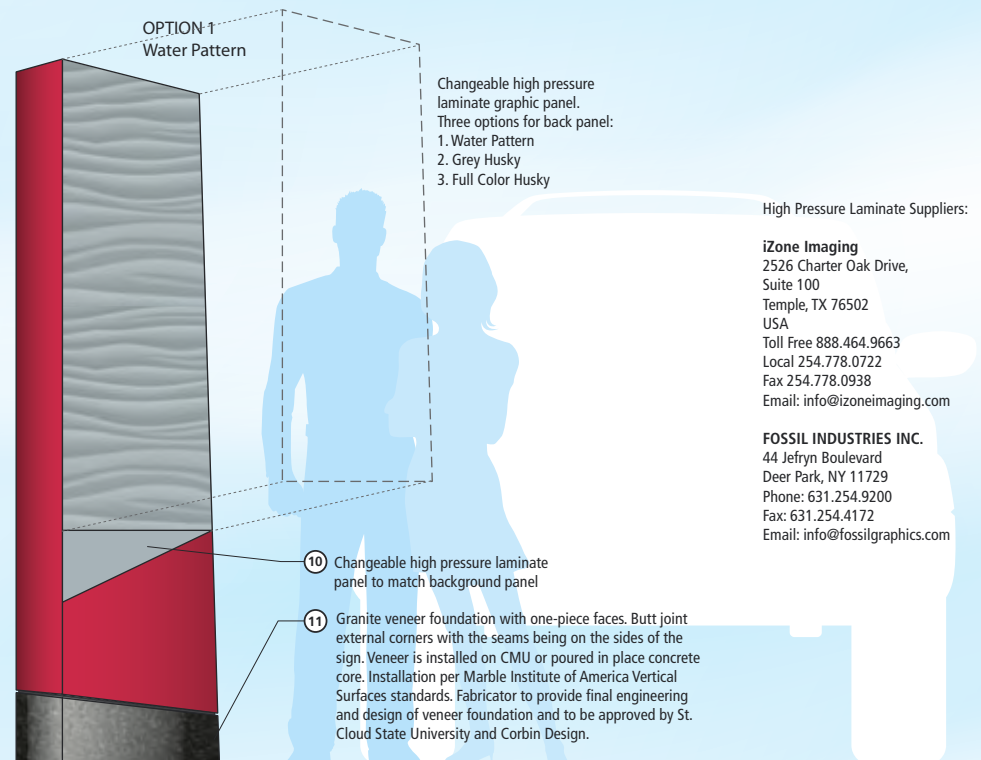
Alternate Back Panels

Changeable high pressure laminate graphic panels



Side View

Front View



Back View

Stone or mulch bed surround (to match existing landscaping) extending a minimum of 1' beyond sign to protect sign from lawn maintenance.

Install sign by directly embedding posts in concrete footing. Footing depth and reinforcement to be engineered by fabricator.

**DATE DESCRIPTION**

04.28.15	Final Client Review
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**SCALE**

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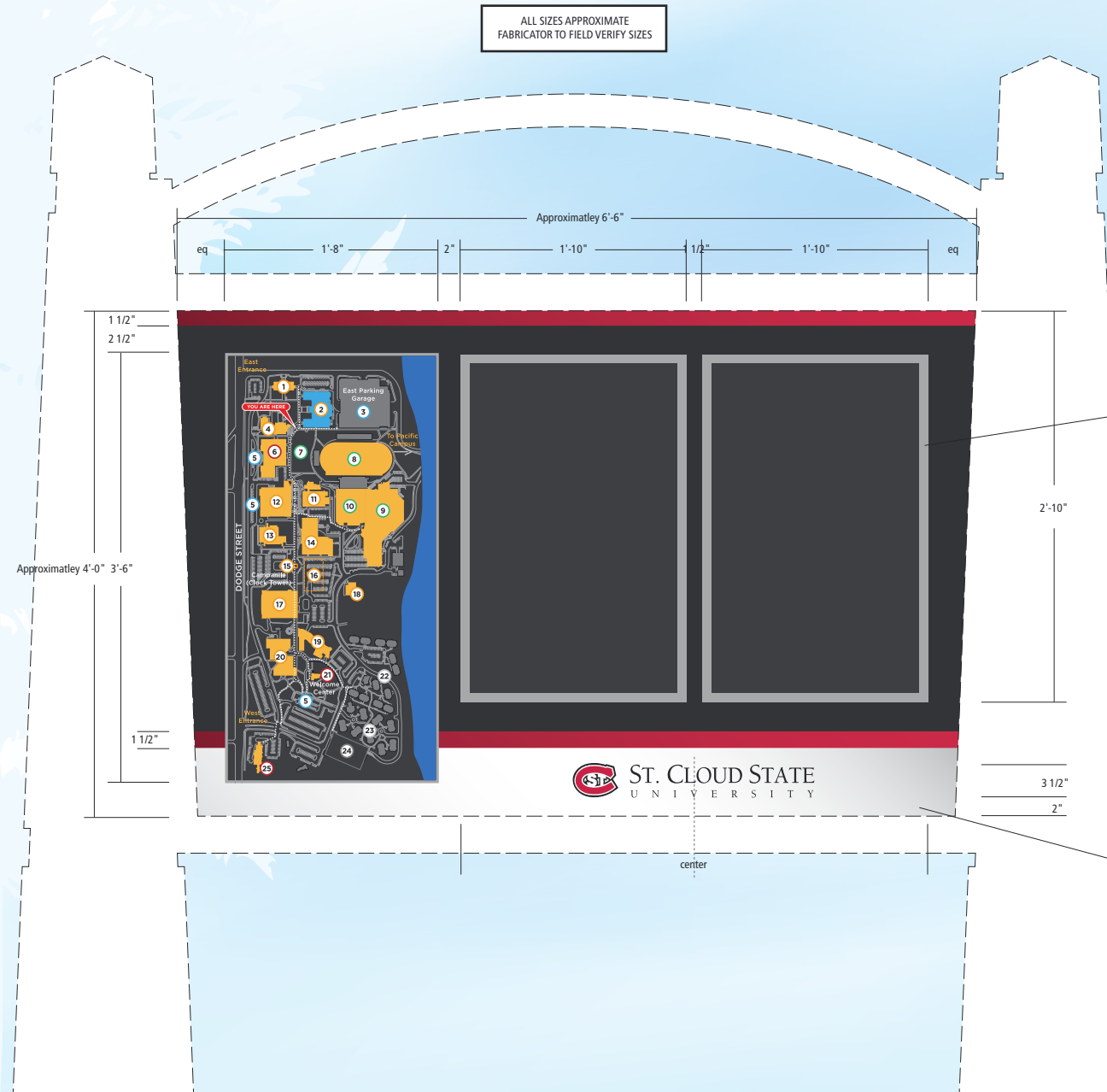


Photo of existing sign

Silver anodized, lockable snap frame with non-glare UV protecting clear lens.

High pressure laminate panel to replace existing. Thickness and size to be the same as current panel.

High Pressure Laminate Suppliers:

**iZone Imaging**  
2526 Charter Oak Drive,  
Suite 100  
Temple, TX 76502  
USA  
Toll Free 888.464.9663  
Local 254.778.0722  
Fax 254.778.0938  
Email: info@izoneimaging.com

**FOSSIL INDUSTRIES INC.**  
44 Jefryn Boulevard  
Deer Park, NY 11729  
Phone: 631.254.9200  
Fax: 631.254.4172  
Email: info@fossilgraphics.com

**SIGN TYPE**

**Dx-2**  
Pedestrian Map Kiosk (retrofit)

**COLOR**

- 01 SCSU Red
- 02 Dark Gray
- 03 Medium Gray
- 04 Light Gray
- 05 Yellow
- 06 Caution Red
- 07 Black
- 08 White
- 09 Parking Blue
- 10 Wave Pattern
- 11 Granite

**DATE DESCRIPTION**

04.28.15 Final Client Review

**SCALE**

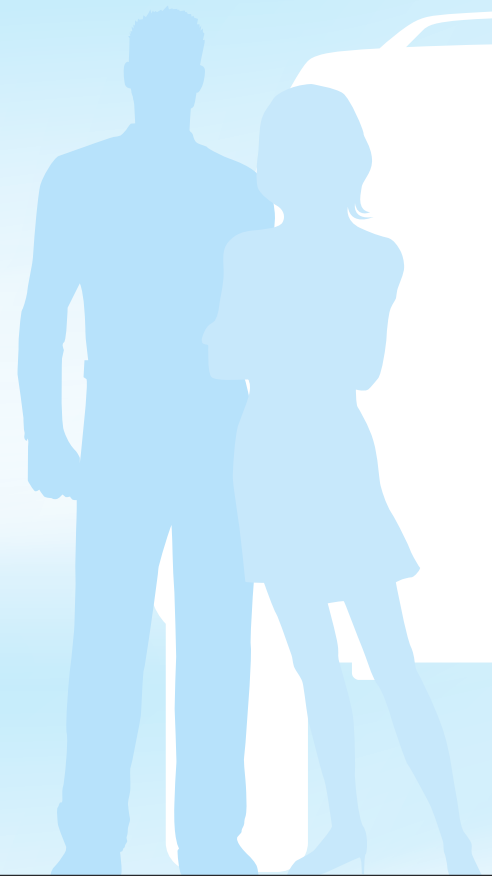
3/4" = 1'-0"  
(on a 11" x 17" paper)



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Front View



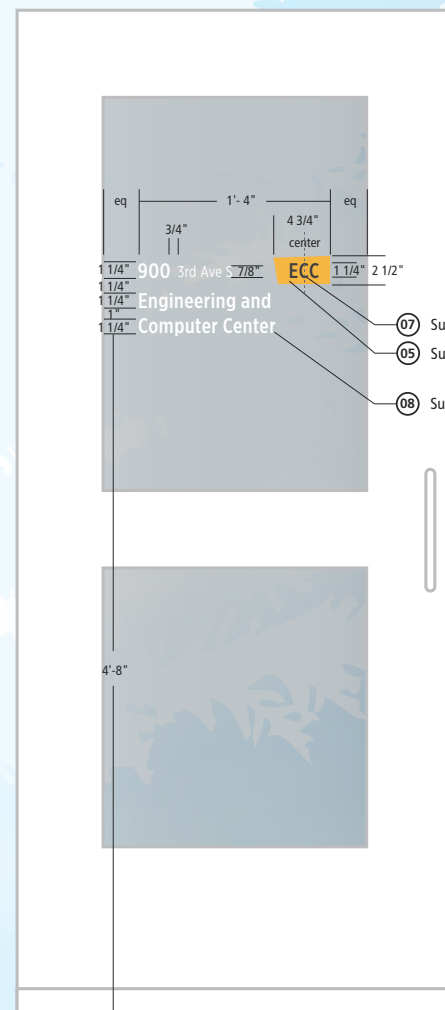
**SIGN TYPE**

**Vx-1, Vx-2 and Vx-3**

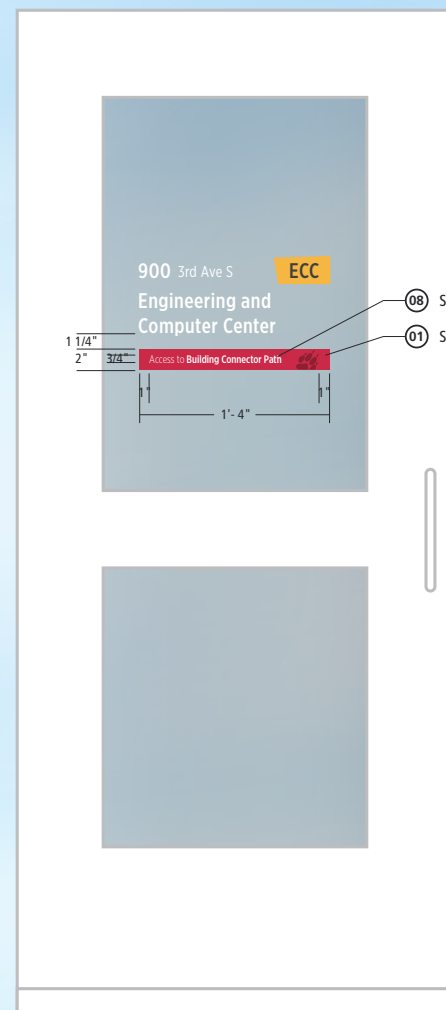
Vinyl on glass

**COLOR**

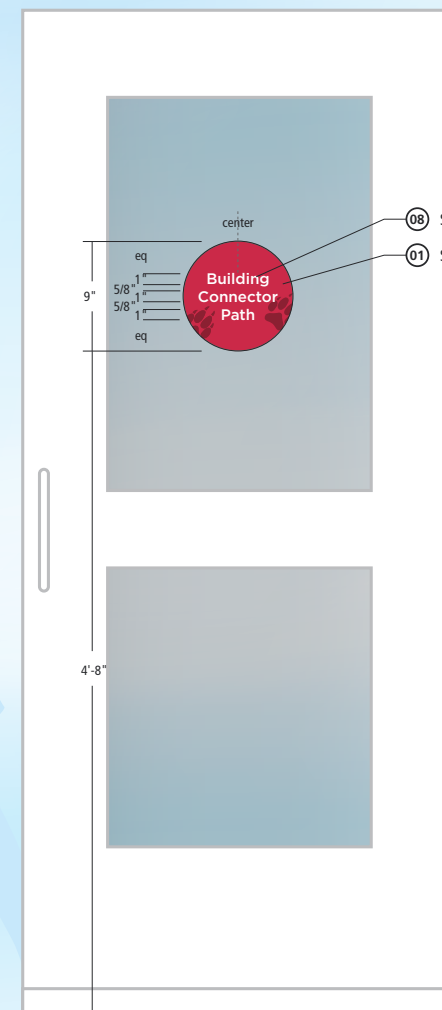
- 01  Red
- 02  Dark Gray
- 03  Medium Gray
- 04  Light Gray
- 05  Yellow
- 06  Caution Red
- 07  Black
- 08  White
- 09  Parking Blue
- 10  Wave Pattern
- 11  Granite



**Vx-1**  
Vinyl on Glass  
Building Identification



**Vx-2**  
Vinyl on Glass  
Building Identification  
with Building Connector Path



**Vx-3**  
Vinyl on Glass Building  
Connector Path

**DATE DESCRIPTION**

04.28.15 Final Client Review

**SCALE**

3/4" = 1'-0"  
(on a 11" x 17" paper)



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**SIGN TYPE**

**Rx-1, Rx-2 & Rx-3**

Regulatory ,Accessible Entrance Guide and Staff/Student Parking

Non-Illuminated

**COLOR**

- 01 Red
- 02 Dark Gray
- 03 Medium Gray
- 04 Light Gray
- 05 Yellow
- 06 Caution Red
- 07 Black
- 08 White
- 09 Parking Blue
- 10 Wave Pattern
- 11 Granite

**DATE DESCRIPTION**

04.28.15	Final Client Review
05.08.15	New Sign Type

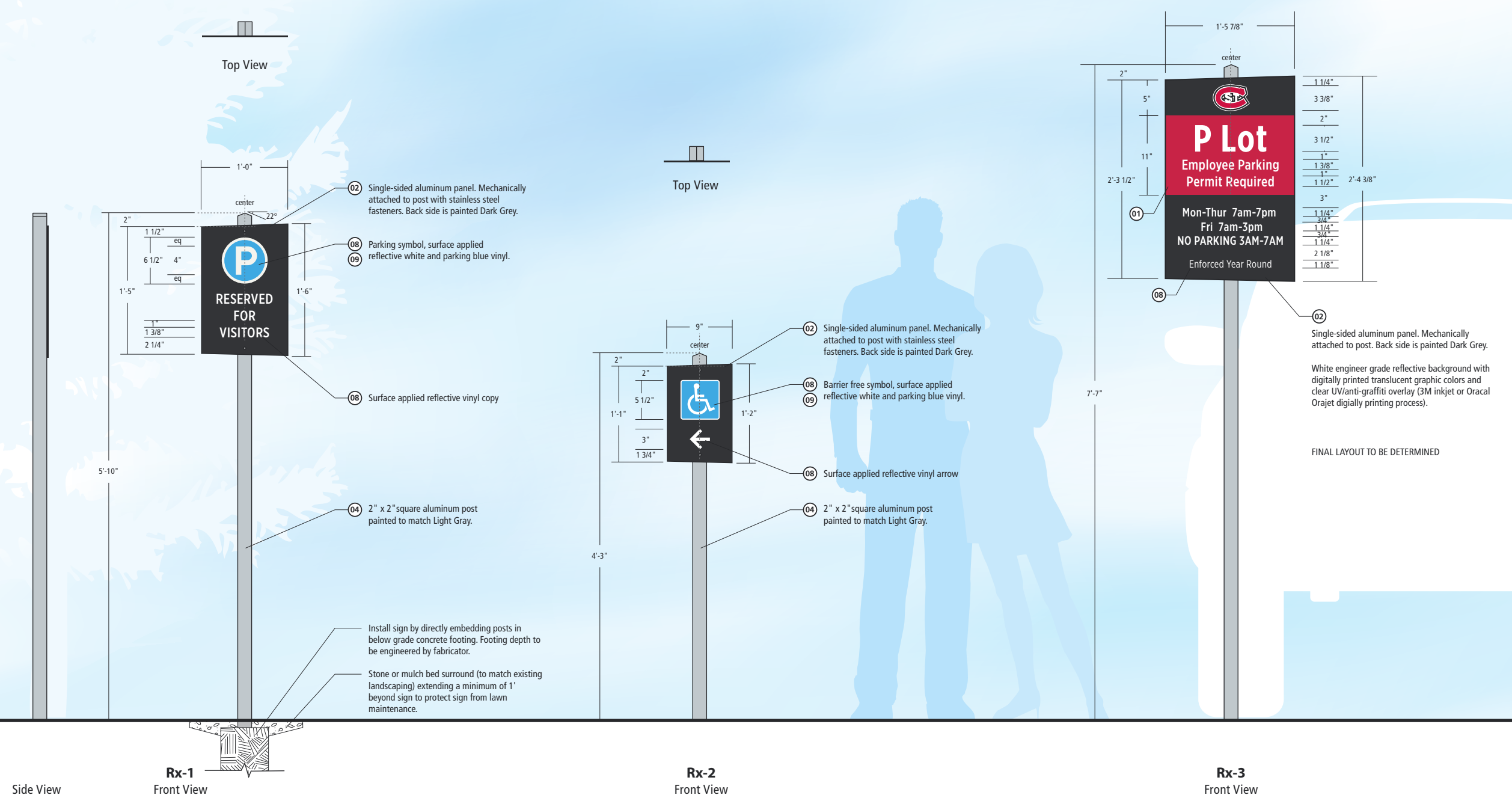
**SCALE**

3/4" = 1'-0"  
(on a 11" x 17" paper)



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Side View

**Rx-1**  
Front View

**Rx-2**  
Front View

**Rx-3**  
Front View



**SIGN TYPE**

**MNDOT Signs**

Proposed layouts

**COLOR**

- ① Red
- ② Dark Gray
- ③ Medium Gray
- ④ Light Gray
- ⑤ Yellow
- ⑥ Caution Red
- ⑦ Black
- ⑧ White
- ⑨ Parking Blue
- ⑩ Wave Pattern
- ⑪ Granite

**DATE DESCRIPTION**

04.28.15	Final Client Review
05.08.15	Revised Layout

**SCALE**

Not to scale  
(on a 11" x 17" paper)



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