University of Nebraska at Omaha

# WAYFINDING

## WAYFINDING AND SIGNAGE STANDARDS DOCUMENT

**FINAL**

August, 2012

*Developed by Corbin Design, Inc.*
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## INTRODUCTION

This document is the result of the development of a comprehensive interior and exterior wayfinding system for UNO. It contains the foundational logic and assumptions of the wayfinding program, a complete review of all standards for wayfinding signage on campus, and recommendations & contact information for ongoing maintenance as the campus grows and changes.

Our preliminary analysis and subsequent logic, language and design has been arranged around these three primary objectives:

**SUSTAIN**
*Build internal protocols to simplify information sharing among departments; create one go-to group for wayfinding changes and ongoing program review.*

**CLARIFY**
*Establish common terminology, consistent with UNO culture; build intuitive wayfinding logic based on key decision points, and create standards for system implementation and expansion.*

**DIRECT**
*Create the visual elements designed to display wayfinding information.*

## SCOPE OVERVIEW

Through the Core Team of representatives that served as our primary client interface, we've addressed the following project objectives:

- Provide a more inviting, self-directed, non-intimidating atmosphere for new visitors, students and their parents.
- Develop a visual design concept that reflects the University's identity standards, is timeless in its aesthetic and respects the character, history and ambiance of each UNO campus.
- Create a wayfinding signage vocabulary that meets the immediate and long-term needs of the University.
- Determine a plan for phased implementation.
- Work with and seek advantages of Nebraska Department of Road's (NDOR) guidelines as addressed in the State's Manual for Uniform Traffic Control Devices (MUTCD).

**UNO Wayfinding Team:**

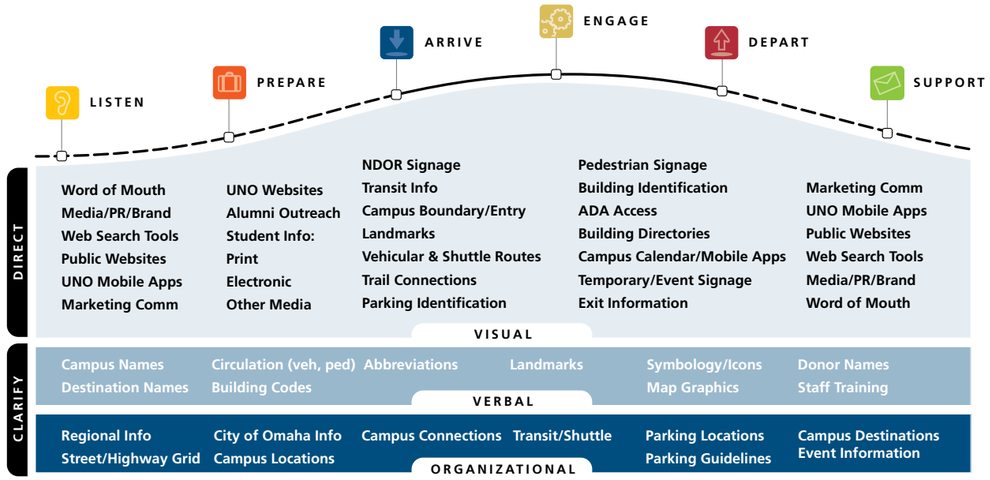
| | |
|---|---|
| Sara Woods | Associate Dean, CPACS |
| Robert Carlson | Chair, Art & History, Faculty Senate |
| John Amend | Director, Facilities Mgt. & Planning |
| George Killian | Campus Architect, Facilities |
| Diane Sunde | Project Coordinator, Facilities |
| Stan Schleifer | Director, Support Services |
| Mollie Anderson | Director, Human Resources |
| Ethan Anderson | Operations Coordinator, Athletics |
| Steve Lendt | Director, Information Services |
| Tim Kaldahl | Director, University Relations |
| Donna Hathaway | Assistant to the Chancellor |
| Rita Henry | Assistant Vice Chancellor |
| William Pickett | Director, University Housing |
| Annie Bougger | Asst. Dir. of Events, NU Foundation |
| (Rotating) | Vice President, Student Gov't. |
| Scott Durbin | Alumni Association Board Member |

Corbin Design Team:

| | |
|---|---|
| Mary Lou Piehl | Project Manager |
| Jeff Frank | Senior Designer |
| Mark VanderKlipp | President, Principal In Charge |

## JOURNEY MAP

This graphic describes a typical visitor journey and diagrams the second and third objectives in summary form.




**A wayfinding program, properly implemented, brings about both physical and cultural changes.** The solutions we've proposed throughout this process have established language, standards and protocols that must be managed appropriately by the internal wayfinding team.

Since Corbin Design's scope of work is now complete, the UNO team's responsibilities have begun in earnest; far from being simply a signage project, we view wayfinding as a "communications fitness program," maintained on a biannual basis, by individuals throughout UNO. With each member of the Wayfinding Team doing their part, the wayfinding system will be a success.

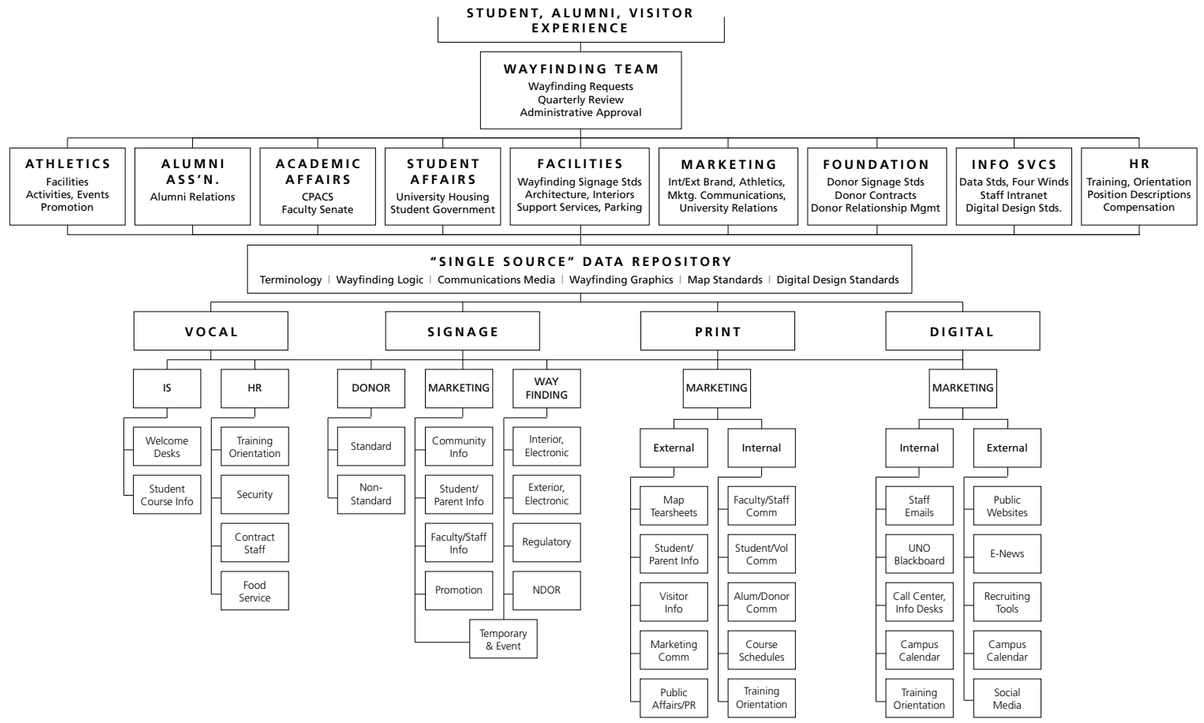
The timing of this initiative is excellent. With the introduction of the new UNO identity elements, an upgrade to campus signage and communications will be expected; this initiative has been viewed as an opportunity to introduce and enhance the new UNO brand, while at the same time creating standards for consistent application and, above all, building a better student, alumni and campus visitor experience.

We're grateful for the opportunity to have been your wayfinding consultants, and look forward to hearing from you of the successes of this initiative.

**OBJECTIVE ONE:**

# SUSTAIN

Build internal protocols to simplify information sharing among departments, create one go-to group for wayfinding changes and consistent ongoing program review.




This org chart demonstrates areas of responsibility for each Wayfinding Team member:

- The Campus Visitor experience should be reviewed and assessed on a biannual basis. Requests for changes to wayfinding information will be directed to a single member of the Wayfinding Team. Those requests will be reviewed at the biannual meeting.
- Facilities and University Relations comprise the heart of the wayfinding team. IS, HR and other groups would be involved as issues arise that require their specific expertise.
- Since each of these groups have a particular responsibility to communicate at each point of the Journey Map, they will view suggested changes/ additions to the wayfinding program through the filter of established UNO standards and protocols.
- Participants in the Wayfinding Team are charged with upholding the standards in this book, and educating others about the need for effective, consistent wayfinding. The Charter Documents provided to each team member outline specific responsibilities.
- As a group, they will collaborate to affect the communications for which they have responsibility. Illustrative examples are shown here, though this grid is by no means complete.

**OBJECTIVE TWO:**

# CLARIFY

Establish common terminology, consistent with UNO culture; build intuitive wayfinding logic based on key decision points, and create standards for system expansion.

## TERMINOLOGY

### Primary changes to UNO Terms:

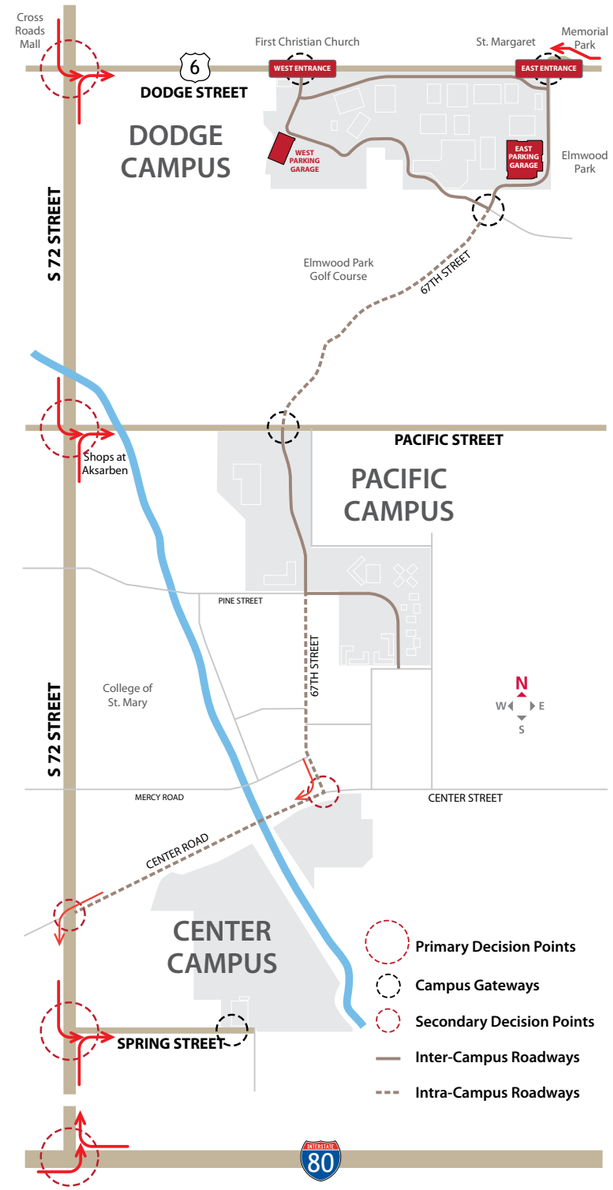
| *Previous Terms* | *New Terms* |
|---|---|
| One Campus | One University |
| Three Locations | Three Campuses |
| Dodge Location | Dodge Campus |
| Pacific Location | Pacific Campus |
| Center Location | Center Campus |
| Parking Garage | East Parking Garage |
| Student Parking Garage | West Parking Garage |

### Approved exterior wayfinding language:

| *DESTINATION NAME* | *CAMPUS* |
|---|---|
| Allwine Hall | Dodge |
| Arts & Sciences Hall | Dodge |
| *International Studies and Programs* | |
| Child Care Center | Dodge |
| CPACS | Dodge |
| *College of Public Affairs & Community Service* | |
| Criss Library | Dodge |
| Dome, The | Center |
| Durham Science Center | Dodge |
| *Kountze Planetarium* | |
| Eppley Administration Building | Dodge |
| HPER | Dodge |
| *Health, Physical Education & Recreation* | |
| *Health Services* | |
| Kayser Hall | Dodge |
| Mammel Hall | Pacific |
| Maverick Village | Dodge |
| Milo Bail Student Center | Dodge |
| Peter Kiewit Institute, The | Pacific |
| Roskens Hall | Dodge |
| Sapp Fieldhouse | Dodge |
| Scott Conference Center and | Pacific |
| Residence Hall | |
| Scott Court | Pacific |
| Scott Village | Pacific |
| Strauss Performing Arts Center | Dodge |
| University Village | Dodge |
| W.H. Thompson Alumni Center | Dodge |
| Weber Fine Arts Building | Dodge |
| *UNO Art Gallery* | |
| *UNO Theatre* | |
| Welcome Center | Dodge |
| *Pre-Admissions and Orientation* | |

## LOGIC

### Primary circulation logic:



**OBJECTIVE THREE:**

# DIRECT

Create the visual elements
designed to display wayfinding information.

## PRINT, WEB AND MOBILE MEDIA

University Relations, as members of the Wayfinding Team, should engage in regular reviews of their print, online and social media tools. By doing so, they will be receiving feedback and confirmation from their peers, and setting an example for proper use of wayfinding logic.

The current rebranding effort has been a perfect catalyst for creating these new internal protocols, tying standards for wayfinding into the broader brand strategy.

Wayfinding content should be incorporated into:

- Campus pre-visit materials
- Information to alumnae, families and prospective students
- Internal faculty and staff training communications
- External communication vehicles to community members, sports/science camp attendees, etc.
- Media/PR and Social Media outlets

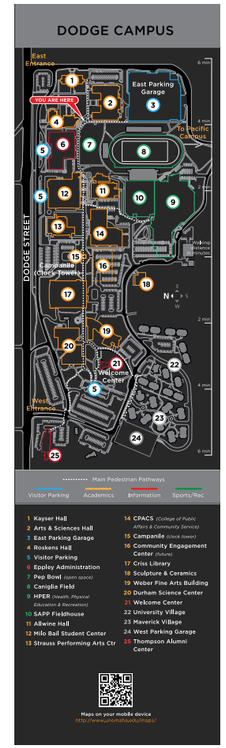
Similarly the UNO IS department, as a member of the Wayfinding Team, should engage in regular reviews of their electronic communications. From interactive signage across campus, to information provided to the Welcome Center, Alumni Center and switchboard, to public and internal Websites, this information must be consistently applied.

Individual buildings may create their own interior wayfinding direction as needed. Mammel Hall has already done this, and we assume Four Winds will continue to develop these internal floor plan maps. It is important that these floor maps have similar graphic features, consistent with other mapping standards throughout the UNO campus. We recommend use of a plan view map, as shown in the pedestrian kiosk graphic to the right.

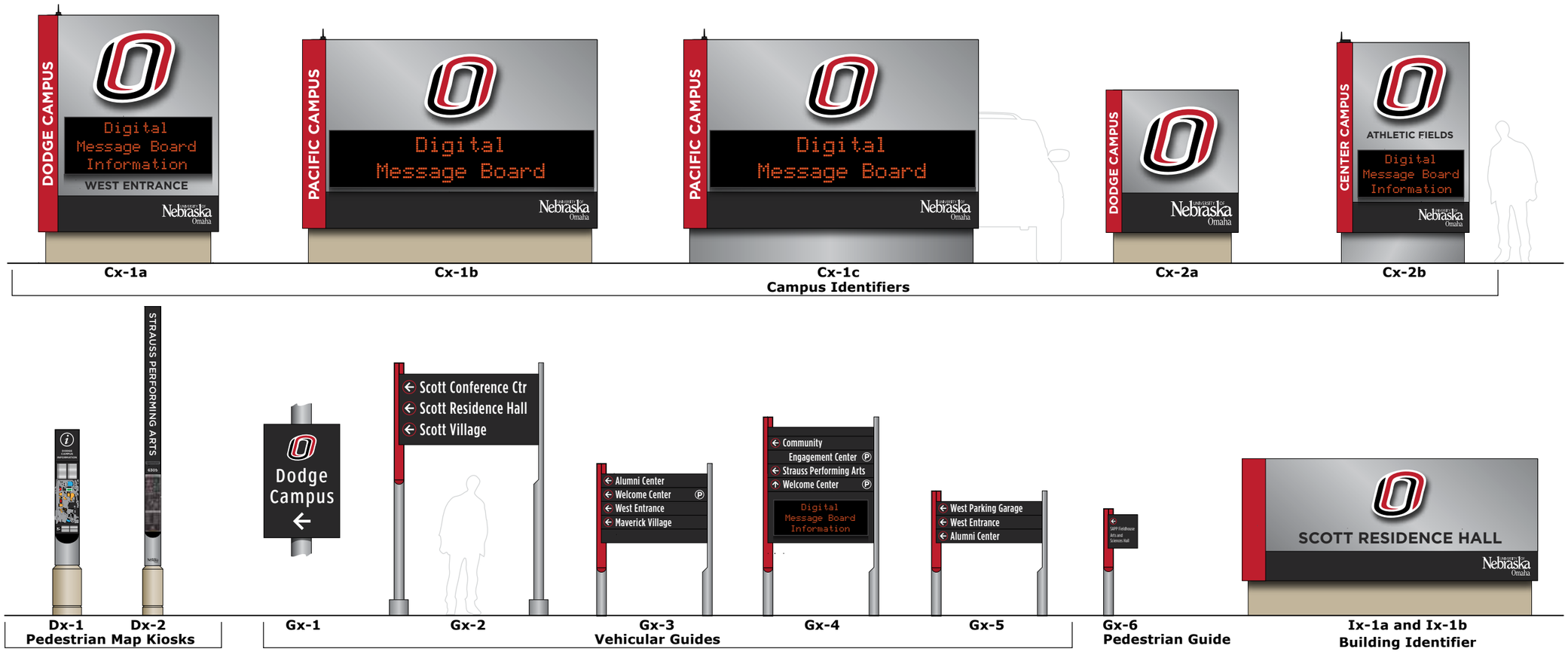
These are the tools that will be used to display and communicate UNO wayfinding information:

Print, Mobile & Web-based Tools


*NOTE: each of the current versions of these tools contain outdated logic, language and graphics. They will need to be updated as this program begins.*




*This campus map will appear on Pedestrian signage throughout the UNO campuses. Visitors with smartphones will be able to access more information via the QR code at the bottom.*




**Cx-1a** | **Cx-1b** | **Cx-1c** | **Cx-2a** | **Cx-2b**

**Campus Identifiers**

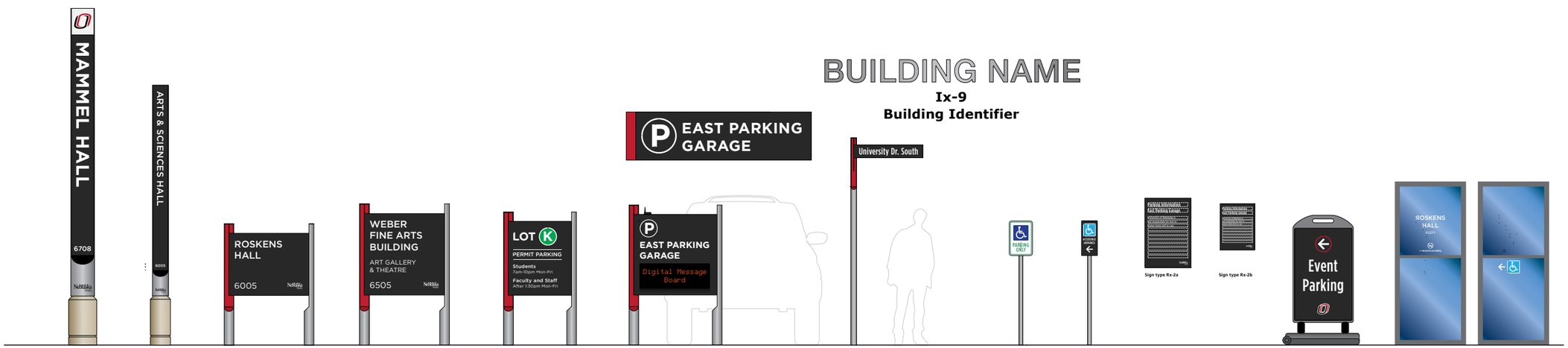



**Dx-1** **Dx-2**
**Pedestrian Map Kiosks**

**Gx-1** | **Gx-2** | **Gx-3** | **Gx-4** | **Gx-5**
**Vehicular Guides**

**Gx-6**
**Pedestrian Guide**

**Ix-1a and Ix-1b**
**Building Identifier**




**Ix-2** | **Ix-3** | **Ix-4a** | **Ix-4b** | **Ix-5** | **Ix-6** | **Ix-7**
**Building Identifiers**

**Ix-9**
**Building Identifier**

**Ix-8**
**Street Name**

**Parking Identifiers**

**Rx-1** | **Rx-1a** | **Rx-2a** | **Rx-2b**
**Regulatory**

**Tx-1**
**Temporary Event**

**Vx-1** | **Vx-1a**
**Entrance Identifiers**

## Sign Type Array

### Color Code

### 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 the University of Nebraska Omaha.

| Date | Description |
|---|---|
| 06.03.11 | Prototype design intent |
| 09.14.11 | Revision |

### Client

**University of Nebraska at Omaha**

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

## 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 UNO. 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 UNO 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. UNOs 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 UNO, 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 undersized 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 UNO 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 UNO. 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

**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.

## MATERIALS AND FINISHES

Fabricator is responsible for supplying samples for all colors within the palette.

| | 01 Concrete | 02 Metallic Silver | 03 Dark Grey | 04 White | 05 Red | 06 Black |
|---|---|---|---|---|---|---|
| Matthews Paint: | --- | MP18128 Saab Silver Metallic | MP42359 Vine Charcoal | MP27386 Verizon White | MP00225 Rose Petal | MP33764 Black Indigo |
| Exterior grade vinyl: | --- | --- | --- | Oracal 851 Premium Cast 010 white<br><br>Oracal 5700 engineer grade reflective vinyl 010 White | Oracal 851 Premium Cast 032 Light Red | --- |

| | 07 Light Grey | 08 Light Blue | 09 Green | 10 Traffic Blue | 11 Grey | 12 High Intensity Reflective White |
|---|---|---|---|---|---|---|
| Matthews Paint: | MP02650 Garbo Silver | --- | --- | --- | --- | --- |
| Exterior grade vinyl: | --- | Oracal 851 Premium Cast 053 Ice Blue | Oracal 8300 Transparent Cal 061 Green<br><br>Oracal 851 Premium Cast 062 Light Green | Oracal 8300 Transparent Cal 057 Traffic Blue<br><br>Oracal 851 Premium Cast 509 Sea Blue | Oracal 8300 Transparent Cal 074 Middle Grey | ORALITE series 5800 High intensity reflective sheeting |

## TYPOGRAPHY (Editable)

Fabricator is responsible for acquiring project related fonts.

**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**

**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 Condensed - 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

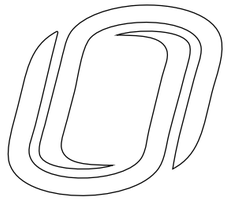
**Gotham Condensed - Medium**

**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**

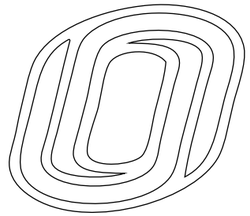
**Helvetica Neue - Medium**

**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**

## LOGOS AND SYMBOLS



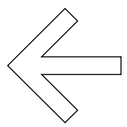
**UNO academic icon**



**UNO academic icon with white background**


**UNO system logo**

**Information** **Parking** **Guide arrow**



**Guide arrow (alternate)**


**Handicapped Parking**

**Accessible entrance**

**No Smoking**

**Sign Type**

# Materials, Finishes, Logos and Symbols

**Fabricator is responsible for matching all colors and materials as specified and are required to provide color and material samples to UNO 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 MPC Matthews Paint and Akzo Nobel Paint Company are to be the standard reference.

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

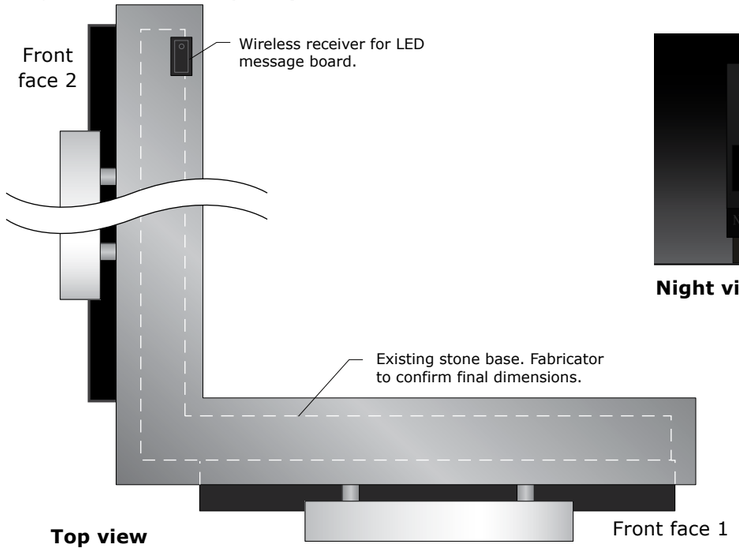
*Color application varies per sign type. Refer to drawings for appropriate application.*

| Date | Description |
|---|---|
| 02.01.12 | DESIGN INTENT |

**Client**

**University of Nebraska at Omaha**

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

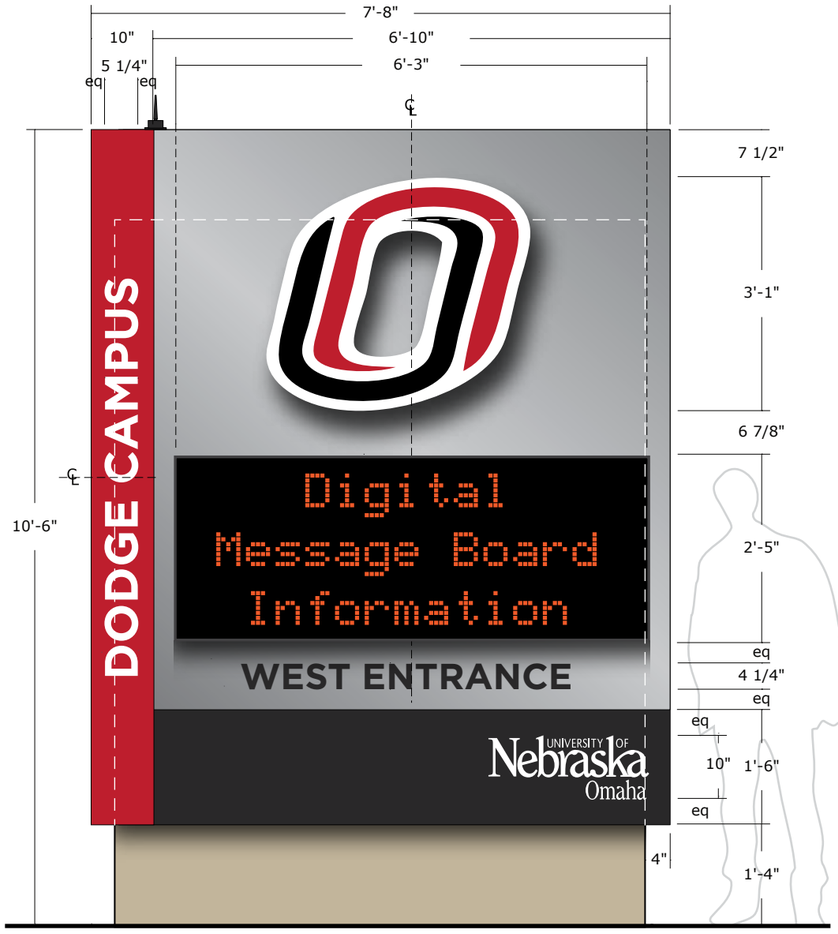



**Top view**


**Night view**

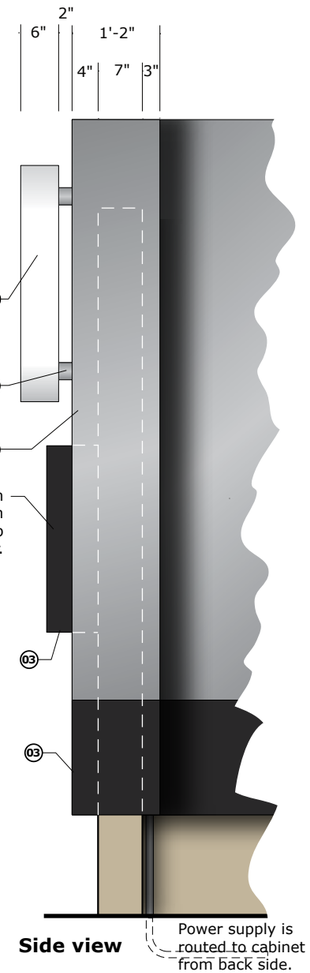

**Sign Location D063**


**Sign Location D002**




**Front view 1**


**Front view 2**




**Side view**

**Sign Type**

**Cx-1a** O
Dodge Campus Identifier-Retrofit with LED Display

**Scale**

1/2" = 1'-0"

**Color Code**

**Notes**

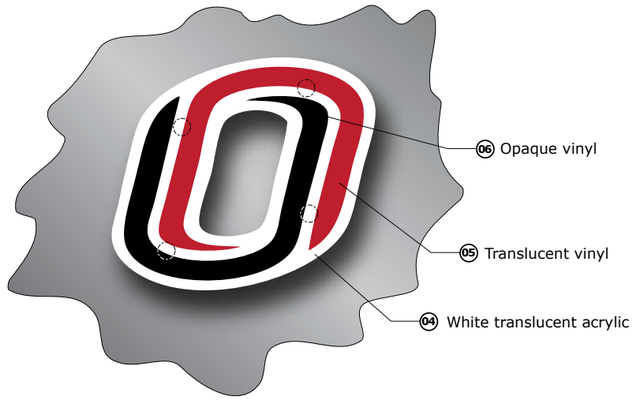
This drawing is design-intent only. Fabricator is responsible for fabrication and overall level of quality. Any changes in design, materials, fabrication method or other details must be approved by Corbin Design and the University of Nebraska Omaha.

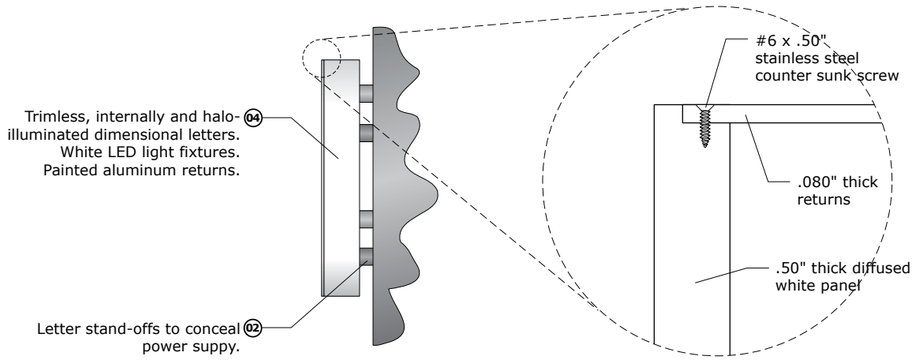
| Date | Description |
|---|---|
| 11.09.11 | Design intent |

**Client**

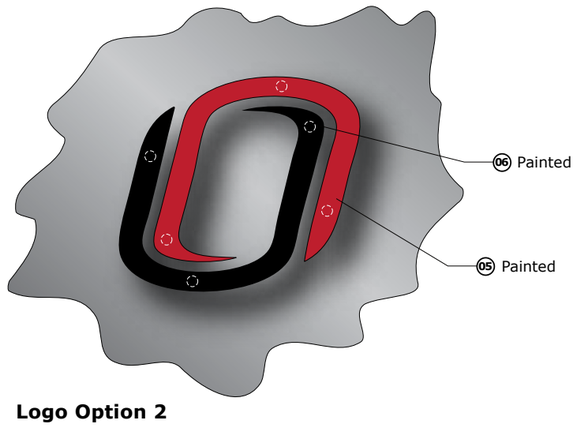
**University of Nebraska at Omaha**

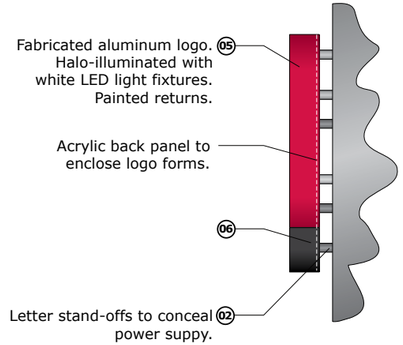
corbindesign
109 East Front Suite 304
Traverse City, MI 49684
231 947.1236




**Logo Option 1**




**Logo Option 2**

**Sign Type**

UNO Prototype Icon
Logo Details

**Scale**

1/2" = 1'-0"

**Color Code**

**Notes**

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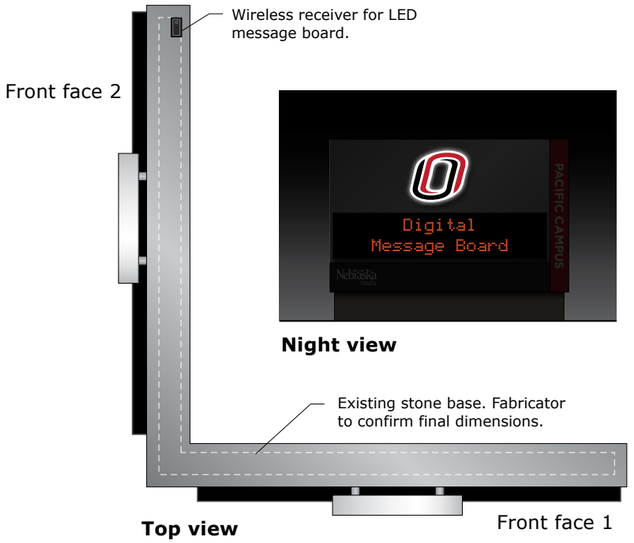
| Date | Description |
|---|---|
| 11.09.11 | Design intent |
| 04.30.12 | Design Intent |

**Client**

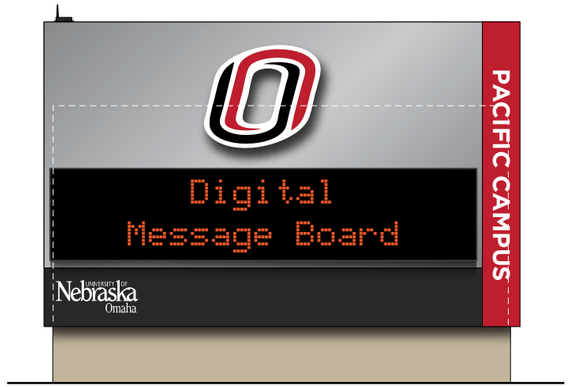
**University of Nebraska at Omaha**

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

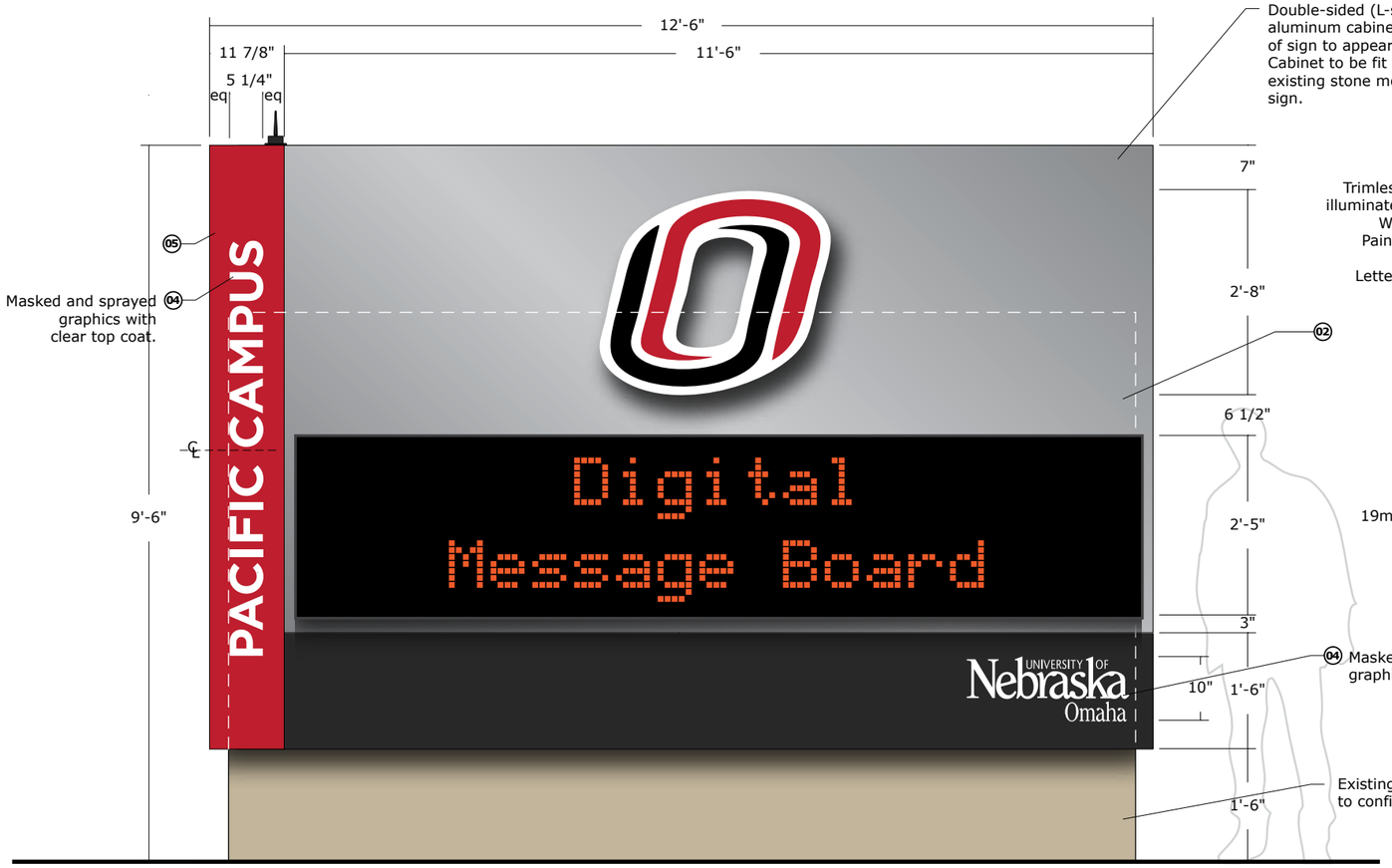



**Night view**

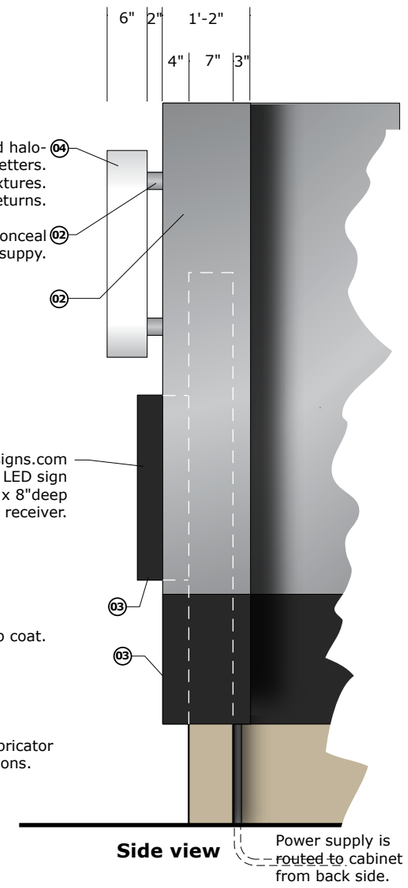
**Top view**




**Front view 2**


**Front view 1**




**Side view**

**Sign Type**

**Cx-1b** ⊗
Pacific Campus Identifier-Retrofit with LED Display

**Scale**

1/2" = 1'-0"

**Color Code**

**Notes**

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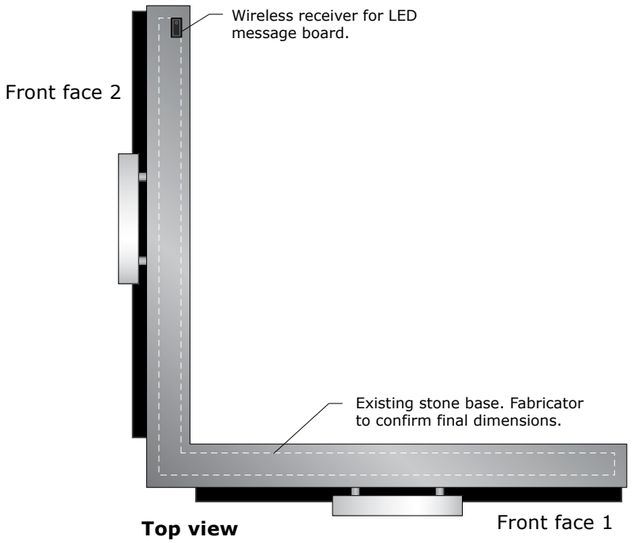
| Date | Description |
|---|---|
| 06.03.11 | Prototype design intent |
| 09.14.11 | Revision |

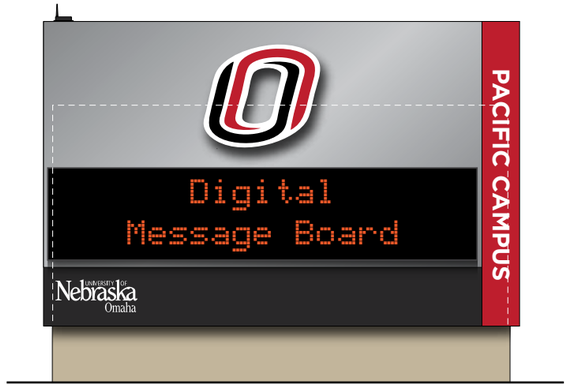
**Client**

**University of Nebraska at Omaha**

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

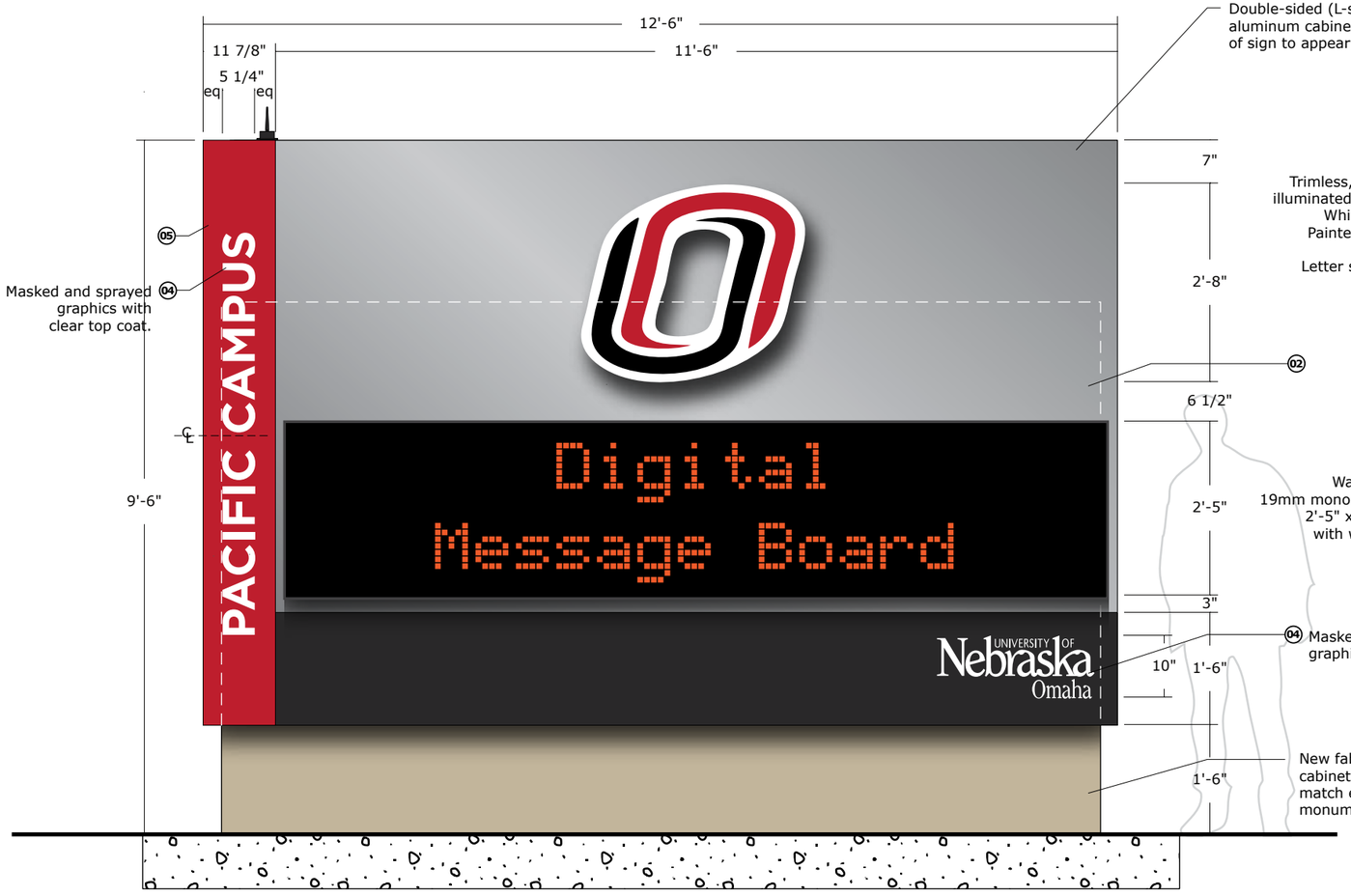



**Top view**

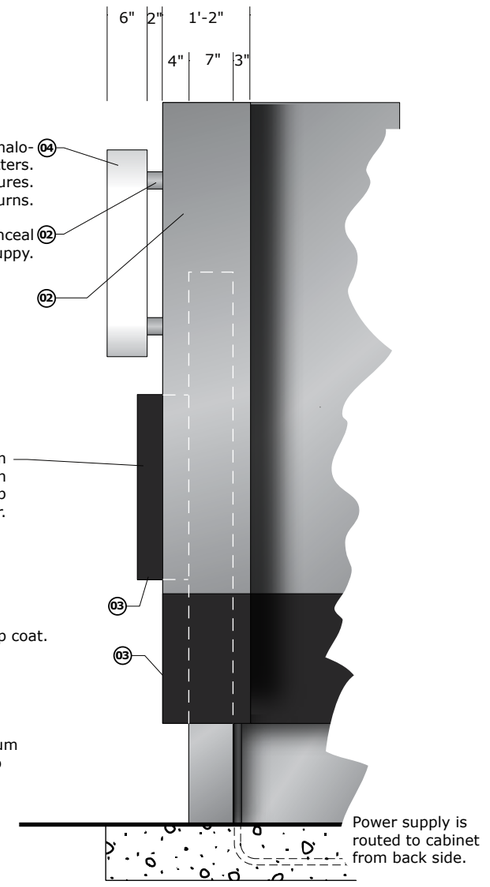



**Front view 2**


**Night view**




**Front view 1**




**Side view**

**Sign Type**

**Cx-1c** ⊗
Pacific Campus Identifier
NEW SIGN BASE AND FOUNDATION

**Scale**

1/2" = 1'-0"

**Color Code**

**Notes**

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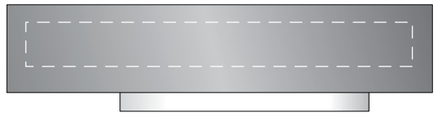
| Date | Description |
|---|---|
| 06.03.11 | Prototype design intent |
| 09.14.11 | Revision |

**Client**

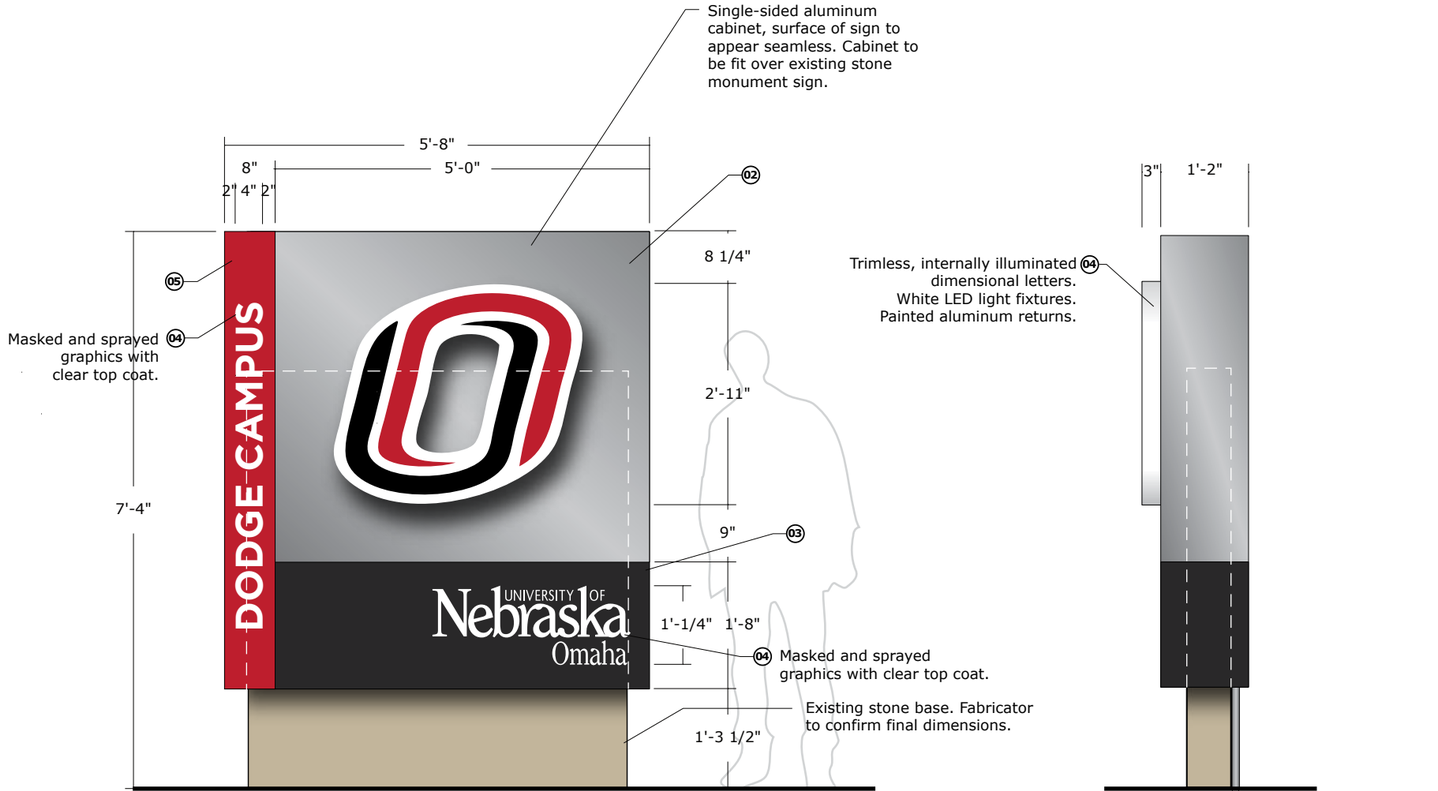
**University of Nebraska at Omaha**

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



**Top view**


**Night view**




**Front view**




**Side view**


**Sign Location D020**


**Sign Location D090**


**Sign Location D085**

**Sign Type**

**Cx-2a**
Campus Identifier-Retrofit

**Scale**

1/2" = 1'-0"

**Color Code**

**Notes**

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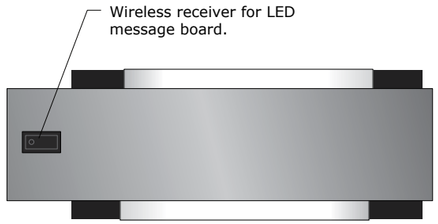
| Date | Description |
|---|---|
| 06.03.11 | Prototype design intent |
| 09.14.11 | Revision |

**Client**

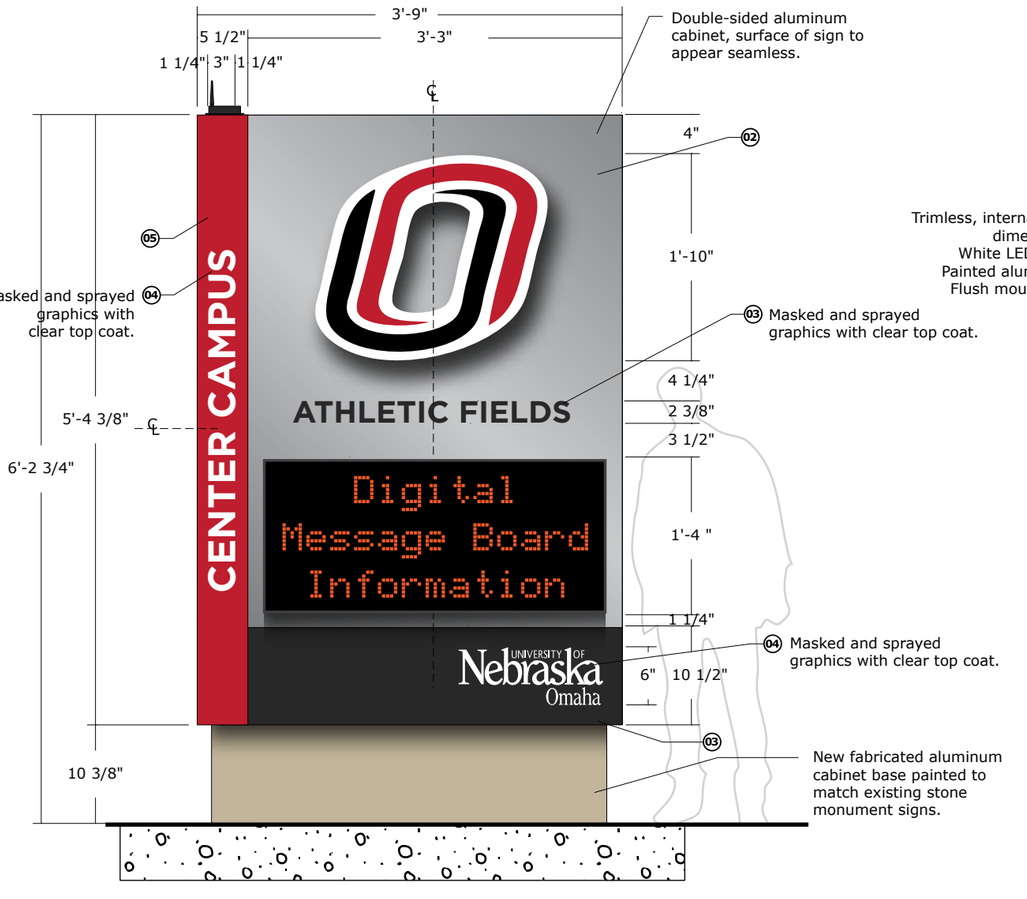
**University of Nebraska at Omaha**

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

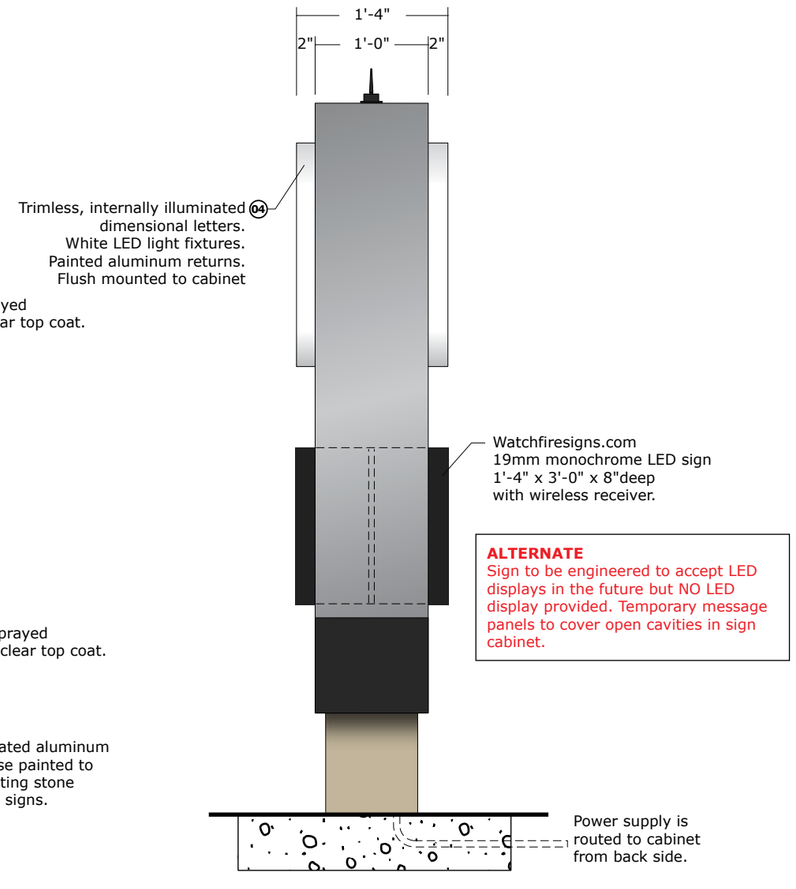



**Top view**


**Night view**


**Front view**




**Side view**

**Sign Type**

**Cx-2b** ⊖
Center Campus Identifier
NEW BASE AND FOUNDATION

**Scale**

3/4" = 1'-0"

**Color Code**

**Notes**

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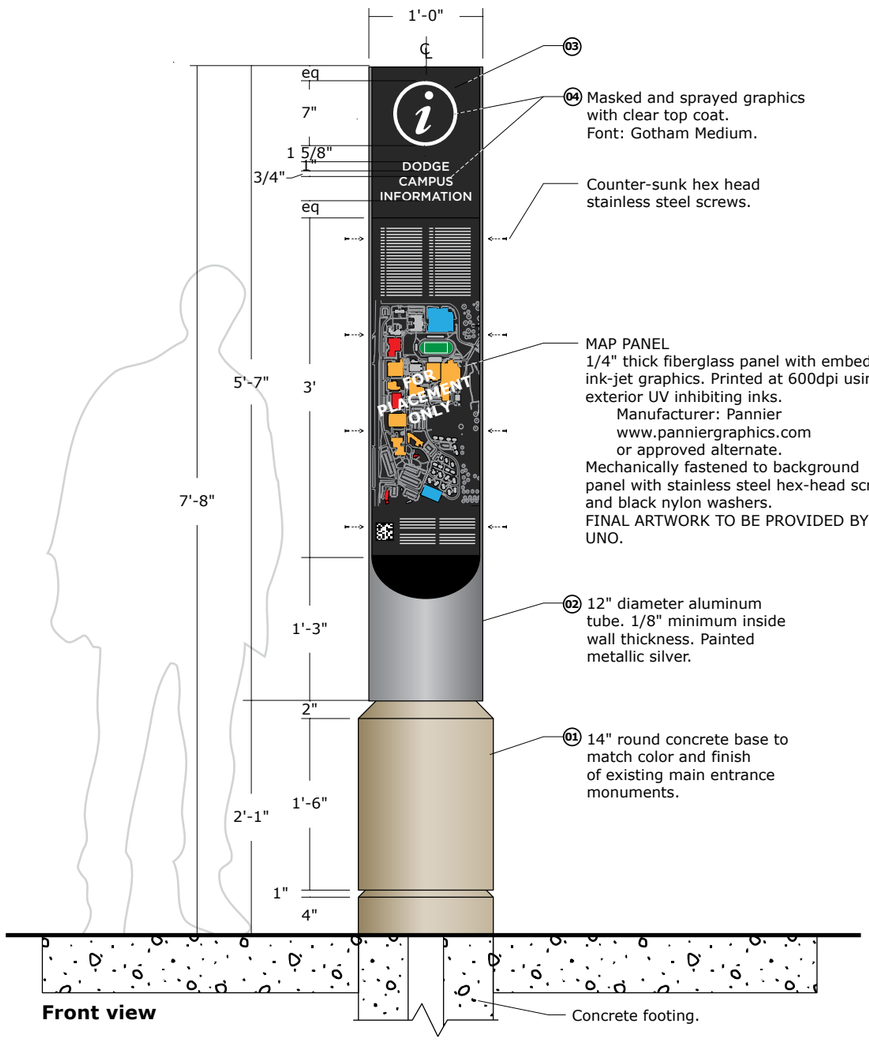
| Date | Description |
|---|---|
| 06.03.11 | Prototype design intent |
| 09.14.11 | Revision |

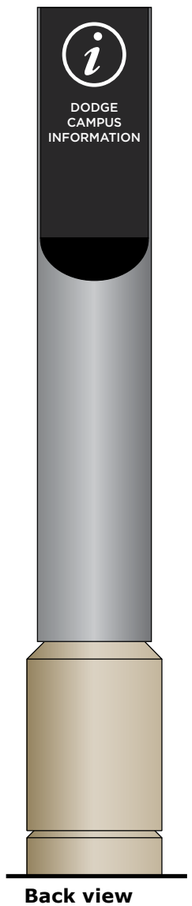
**Client**

**University of Nebraska at Omaha**

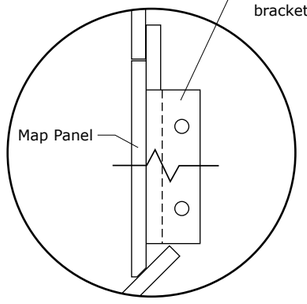
corbindesign
109 East Front Suite 304
Traverse City, MI 49684
231 947.1236



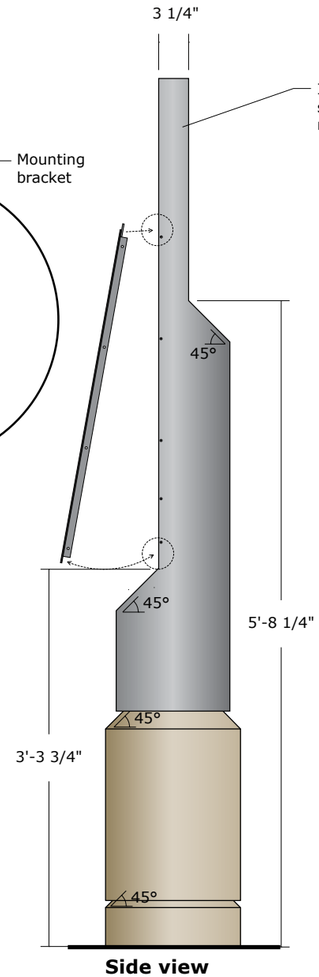

**Front view**




**Back view**




**Removable map panel detail**




**Side view**

**Sign Type**

**Dx-1** ★
Pedestrian Map Kiosk (Large)

**Scale**

3/4" = 1'-0"

**Color Code**

**Notes**

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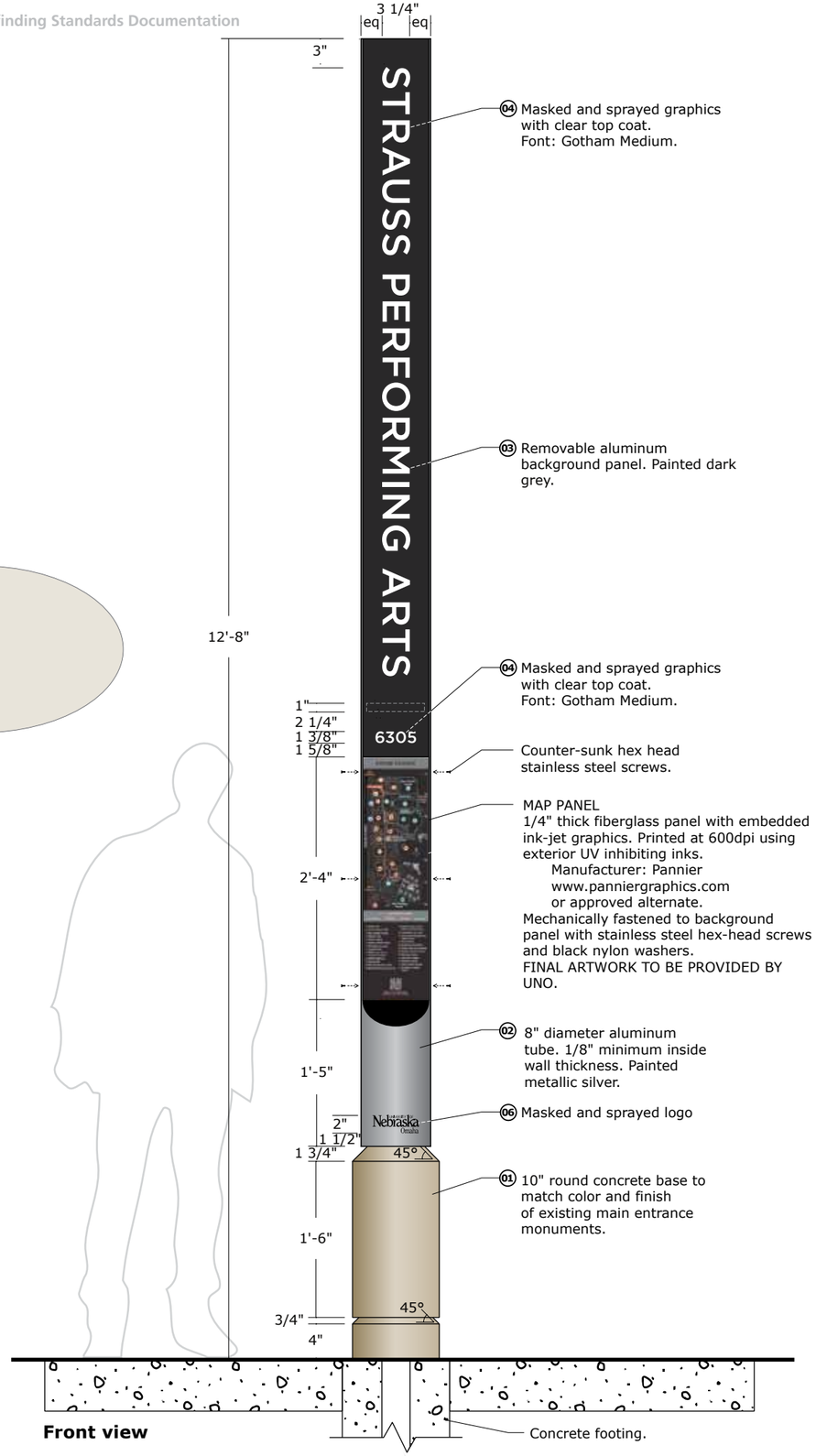
| Date | Description |
|---|---|
| 11.09.11 | Design intent |

**Client**

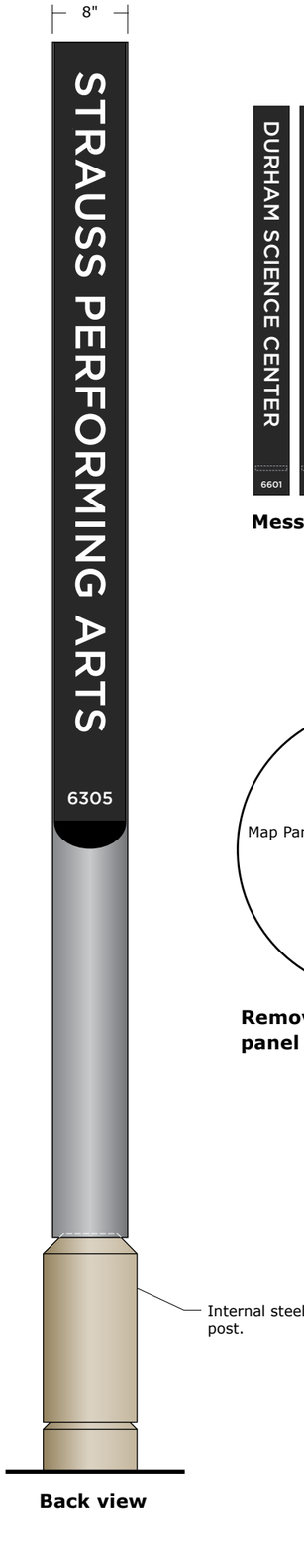
**University of Nebraska at Omaha**

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


**Isometric view**

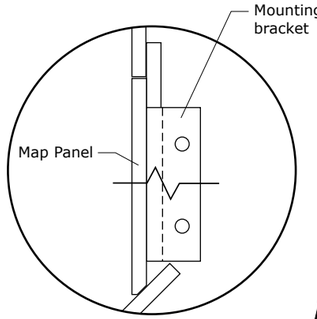



**Front view**

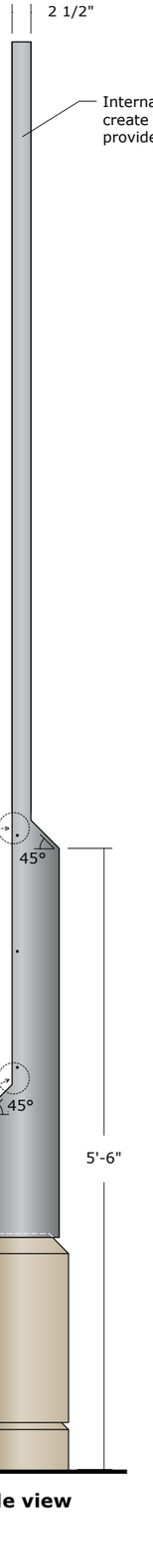



**Back view**


**Message layouts**




**Removable map panel detail**




**Side view**

**Sign Type**

**Dx-2** ☆
Vertical Pedestrian Building Identifier with Map

**Scale**

3/4" = 1'-0"

**Color Code**

**Notes**

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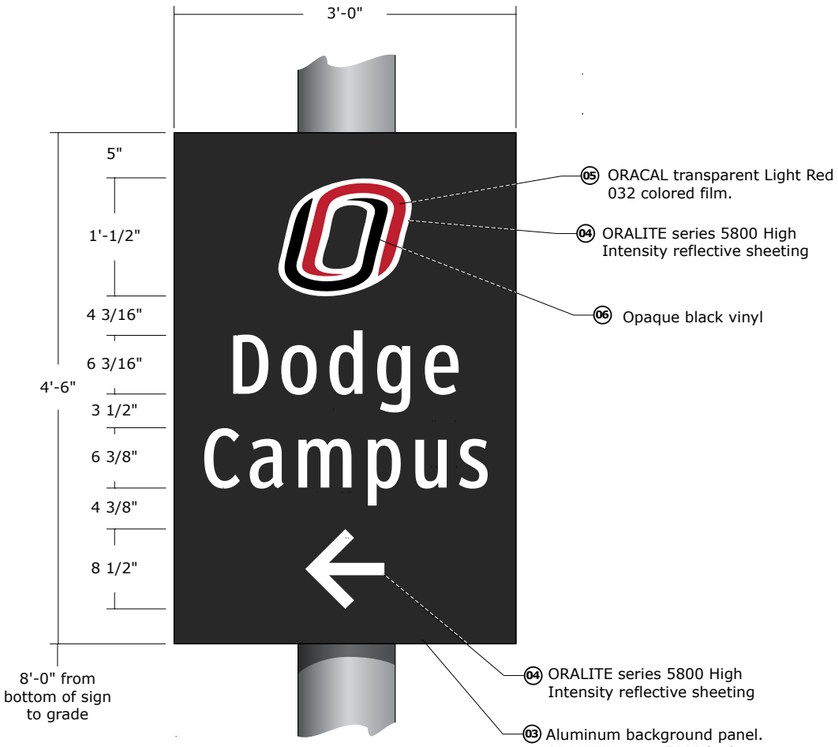
| Date | Description |
|---|---|
| 11.09.11 | Design intent |

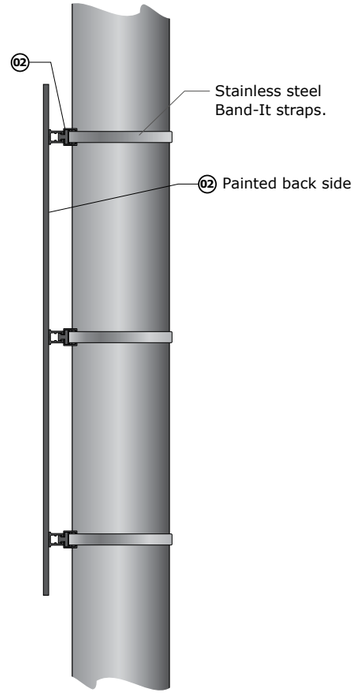
**Client**

**University of Nebraska at Omaha**

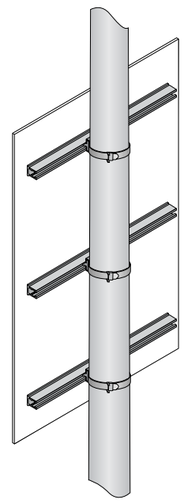
corbindesign
109 East Front Suite 304
Traverse City, MI 49684
231 947.1236




**Front view**



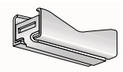

**Side view**



**Reverse Detail**
not to scale

**Extrusion**

Size, length, quantity and positioning to be determined by Fabricator.



**Universal Channel Clamp**

Standard stainless steel mounting bracket compatible with any Signfix support extrusion.

**Bucklestrap**

Stainless steel band. Use to attach Universal Channel Clamp to round posts.

**GENERAL NOTES:**
Sign panel to be 3/16" aluminum plate. All edges and surfaces are to be free of nicks, cuts, burrs or other machine markings.

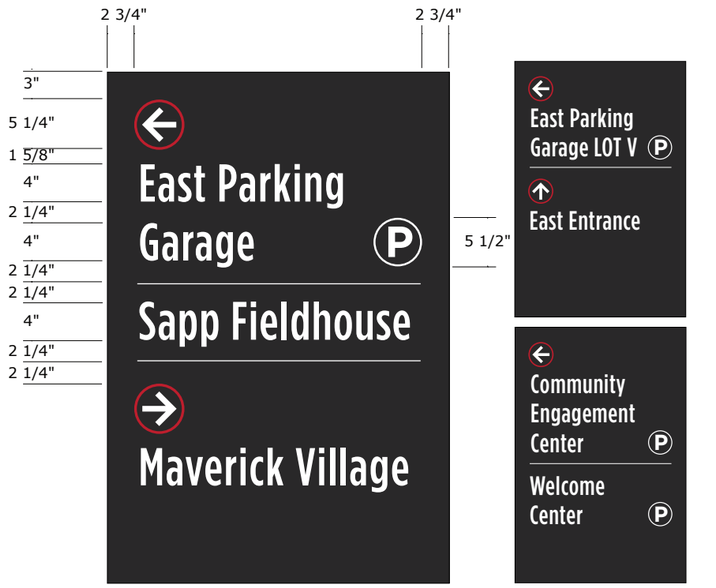
Cross-section channel aluminum reinforcement to be equally finished smooth and free of surface defects. Attached to the back of the sign panel with 3M® Scotch VHB™ 9473PC tape and plug or fillet welds. **Welds must not dimple or deform sign face.** No use of rivets thru sign face.

Back brackets and all edges to be painted to match panel.

**Attachment Product available from:**
www.band-it-idex.com

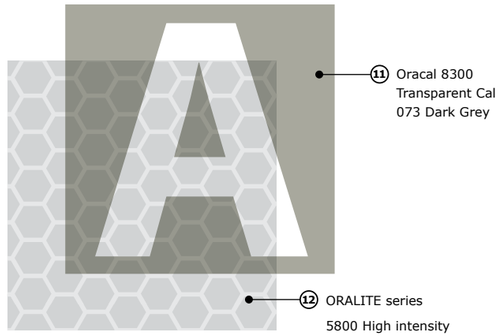
**WORLD HEADQUARTERS & WESTERN U.S. CUSTOMER SALES & SERVICE CENTER**
BAND-IT - IDEX, INC.
A Unit of IDEX Corporation
4799 Dahlia St.
P.O. Box 16307
Denver, Colorado 80216-0307
Ph: 303-320-4555
FAX 303-333-6549


**Alternate trailblazer layout**




**Alternate guide layout**

**Alternate layouts**




**Sign Type**

**Gx-1**
Trailblazer

**Scale**

3/4" = 1'-0"

**Color Code**

**Notes**

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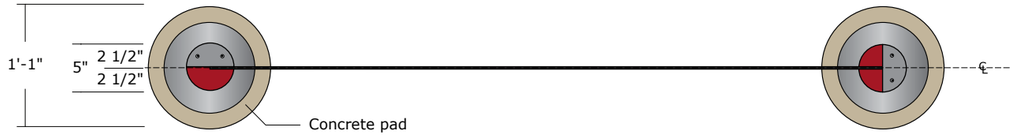
| Date | Description |
|---|---|
| 06.03.11 | Prototype design intent |
| 09.14.11 | Revision |

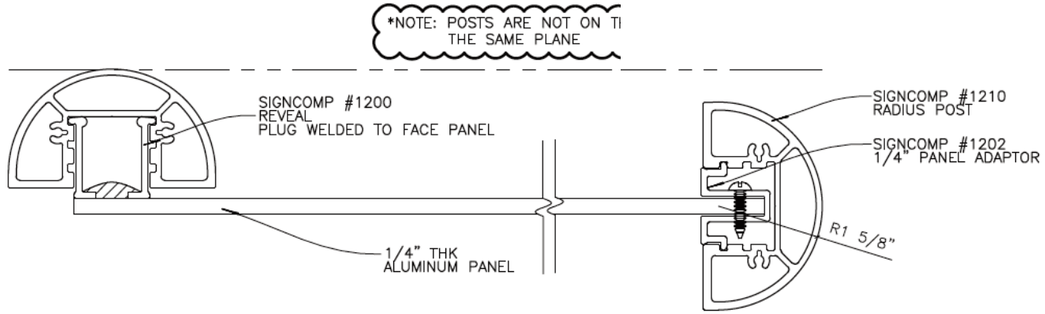
**Client**

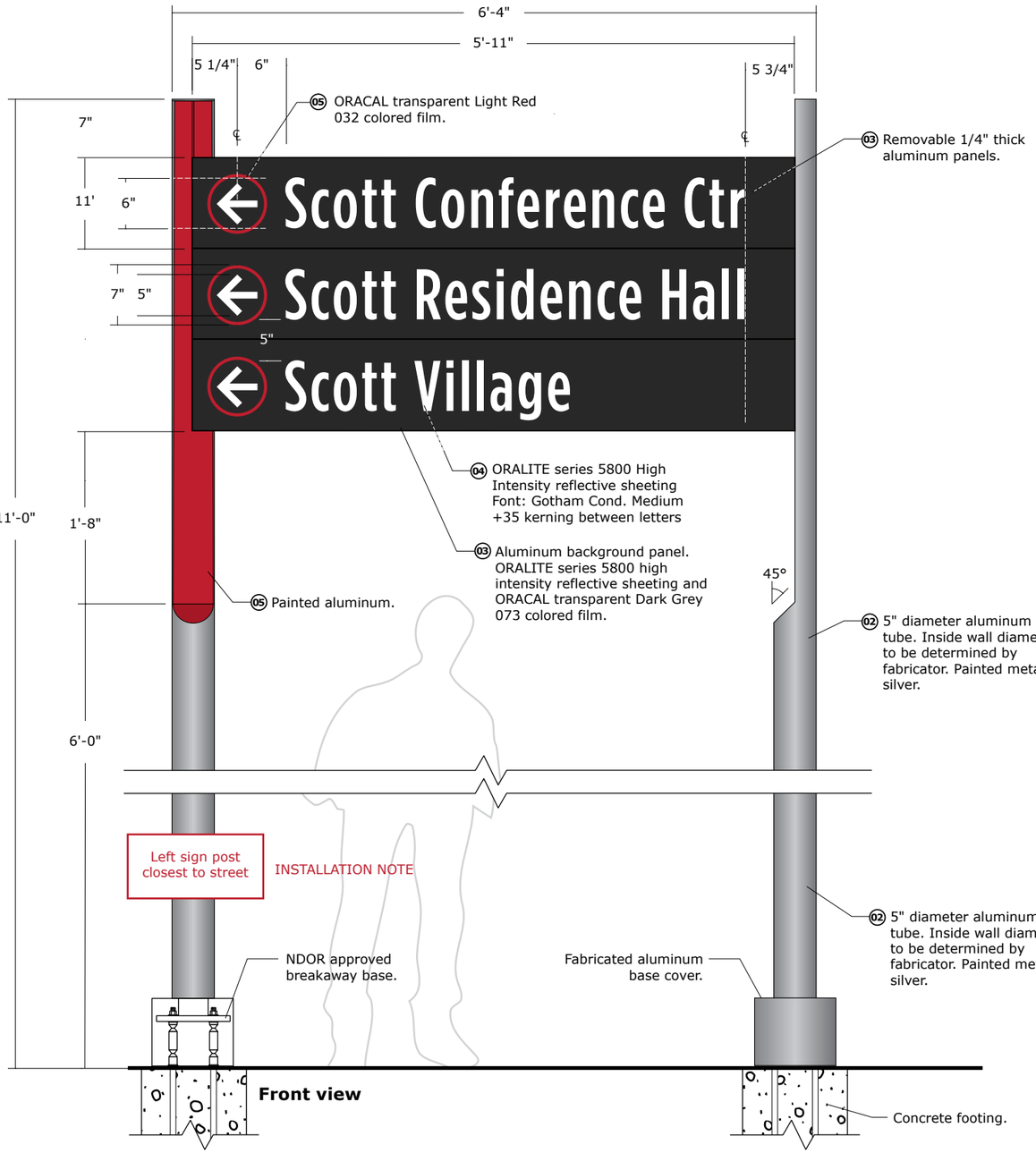
**University of Nebraska at Omaha**

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

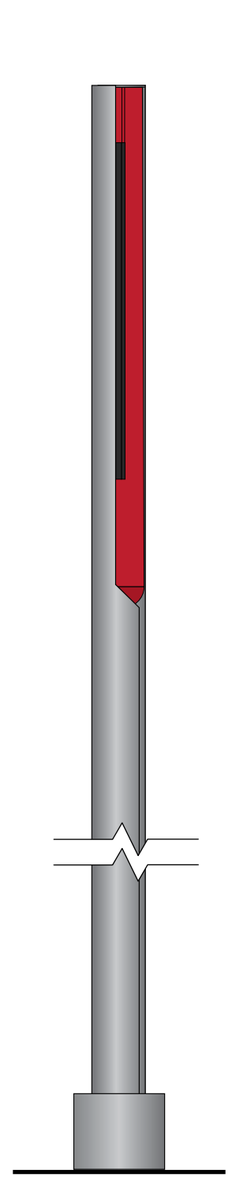



**Plan view**

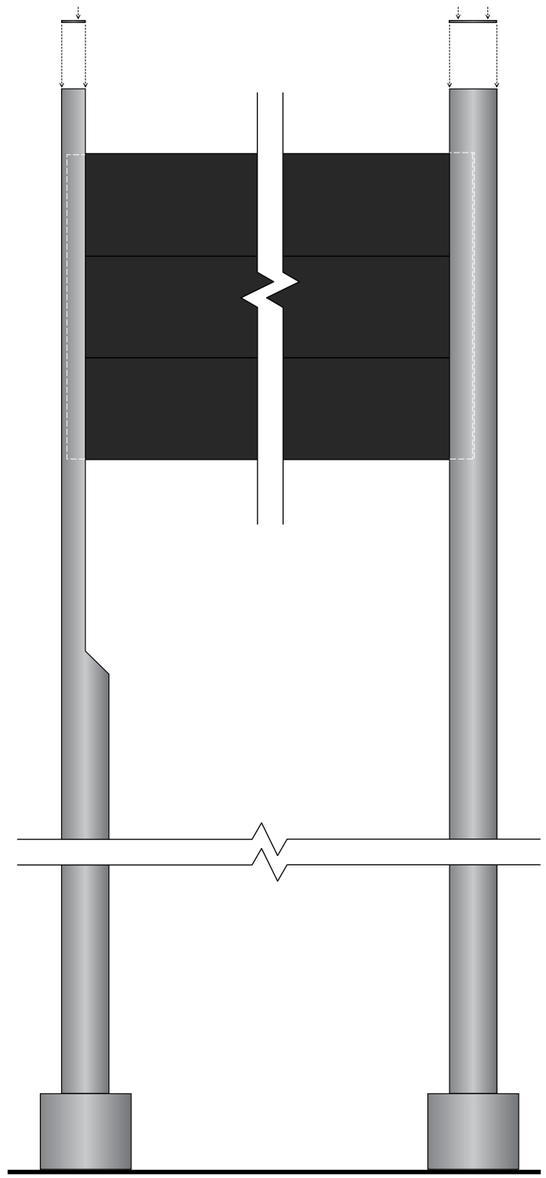



**Front view**



**Side view**



**Back view**

**Sign Type**

**Gx-2**
Vehicular Guide
(6" text)

**Scale**

3/4" = 1'-0"

**Color Code**

**Notes**

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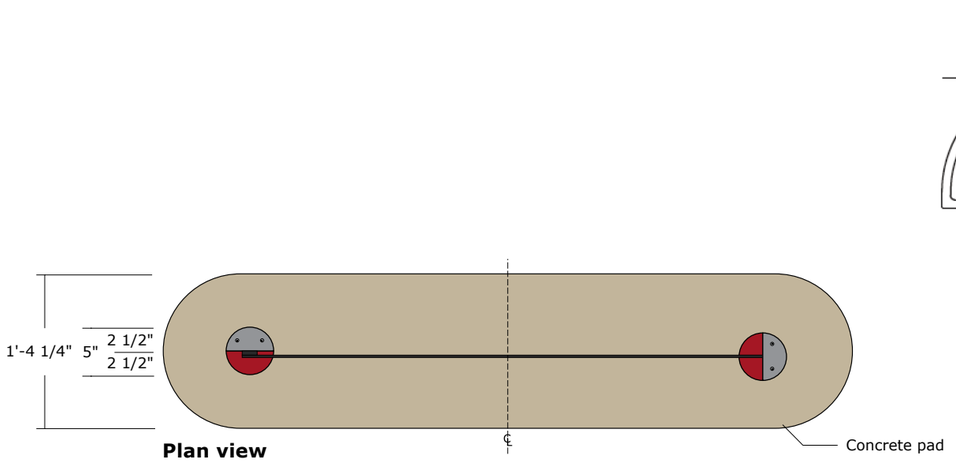
| Date | Description |
|---|---|
| 06.03.11 | Prototype design intent |

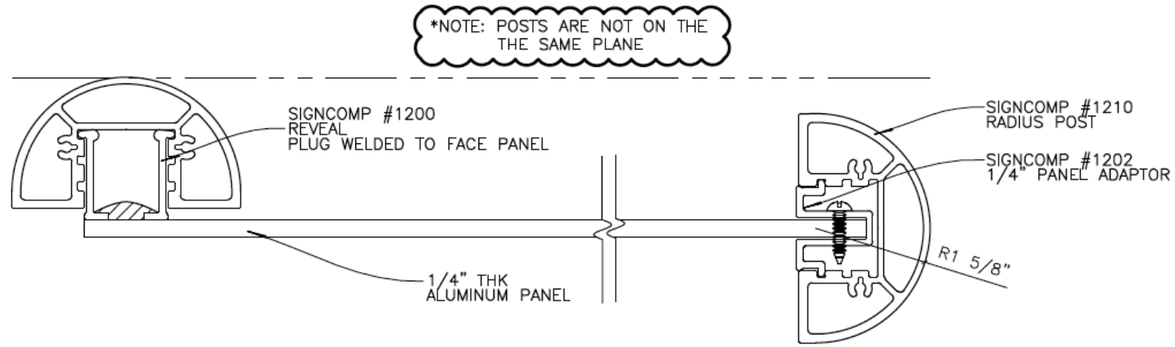
**Client**

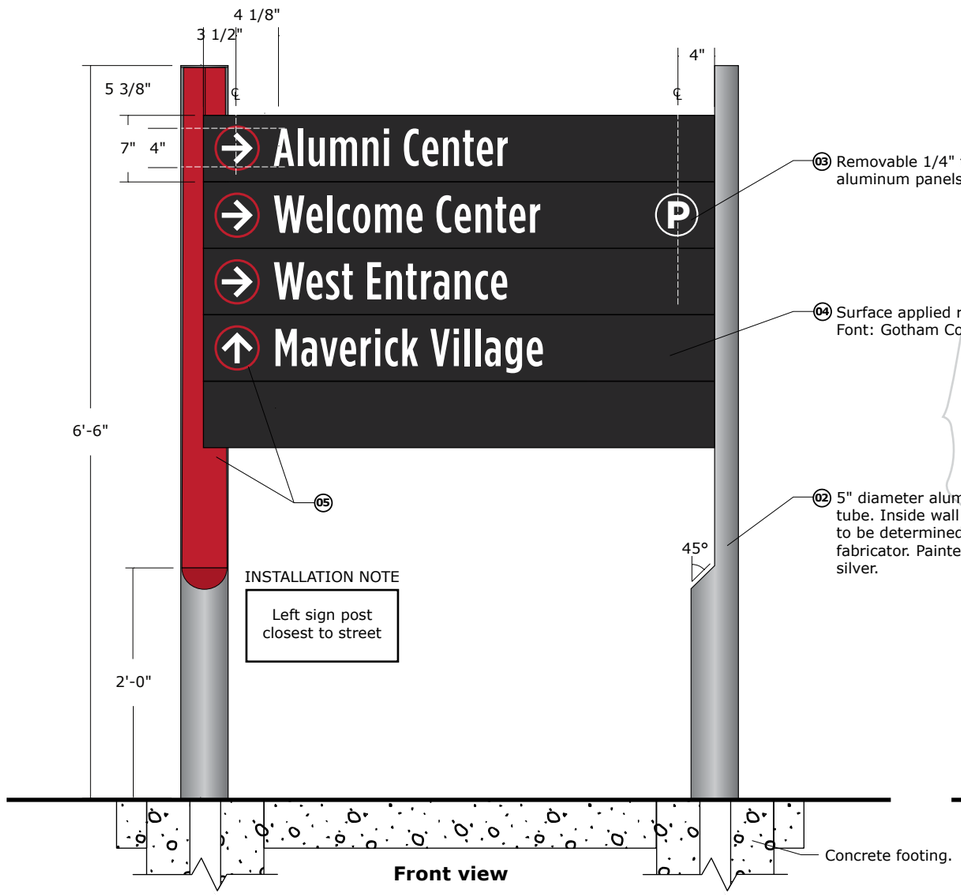
**University of Nebraska at Omaha**

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




**Plan view**

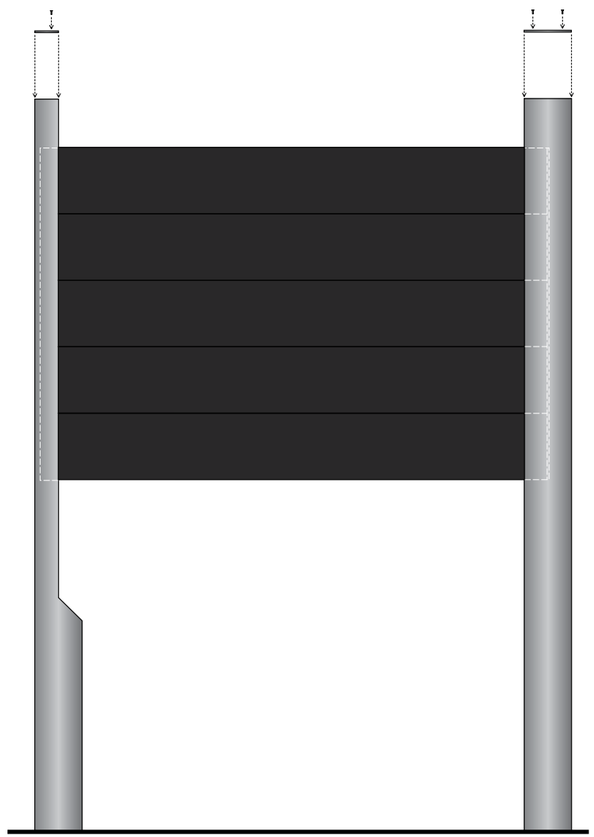



**Front view**




**Side view**



**Back view**

**Sign Type**

**Gx-3**
Vehicular Guide
(4" text)

**Scale**

3/4" = 1'-0"

**Color Code**

**Notes**

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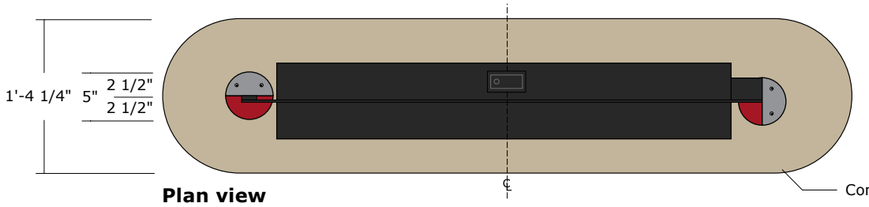
| Date | Description |
|---|---|
| 06.03.11 | Prototype design intent |

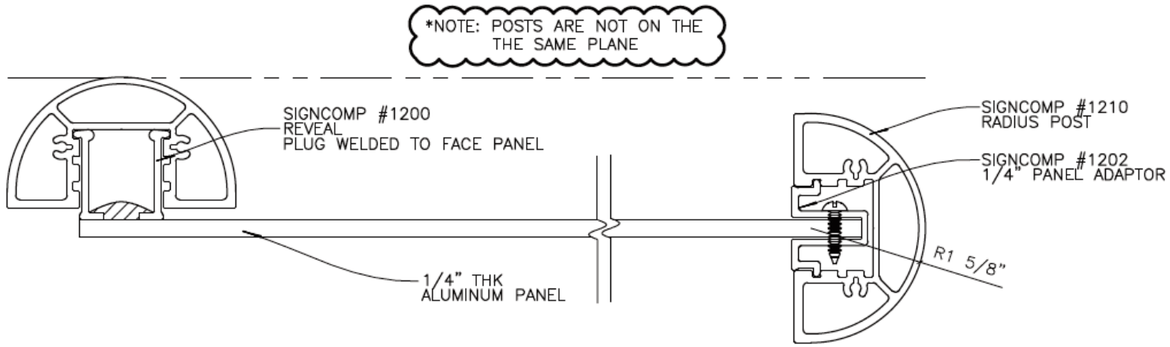
**Client**

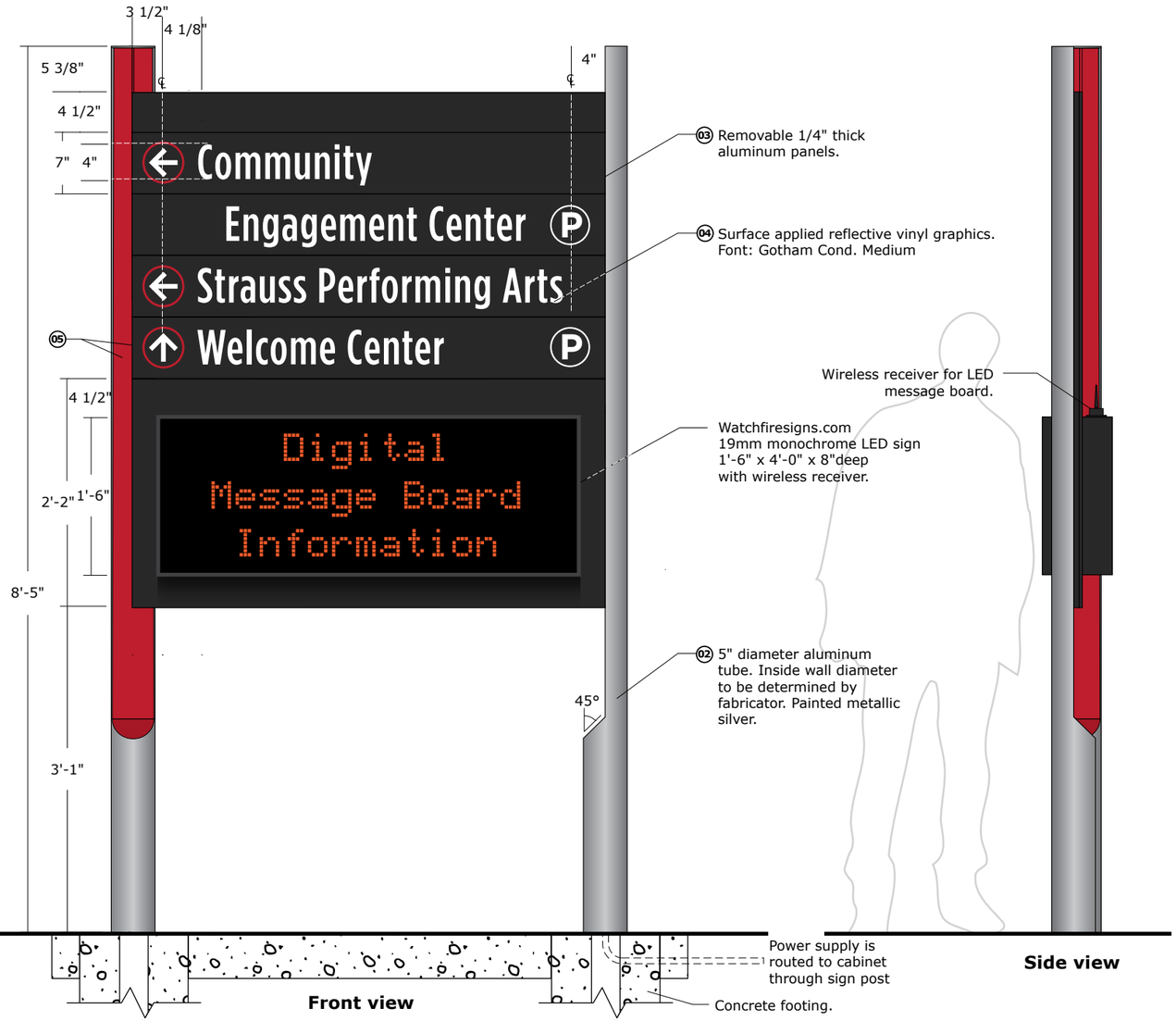
**University of Nebraska at Omaha**

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



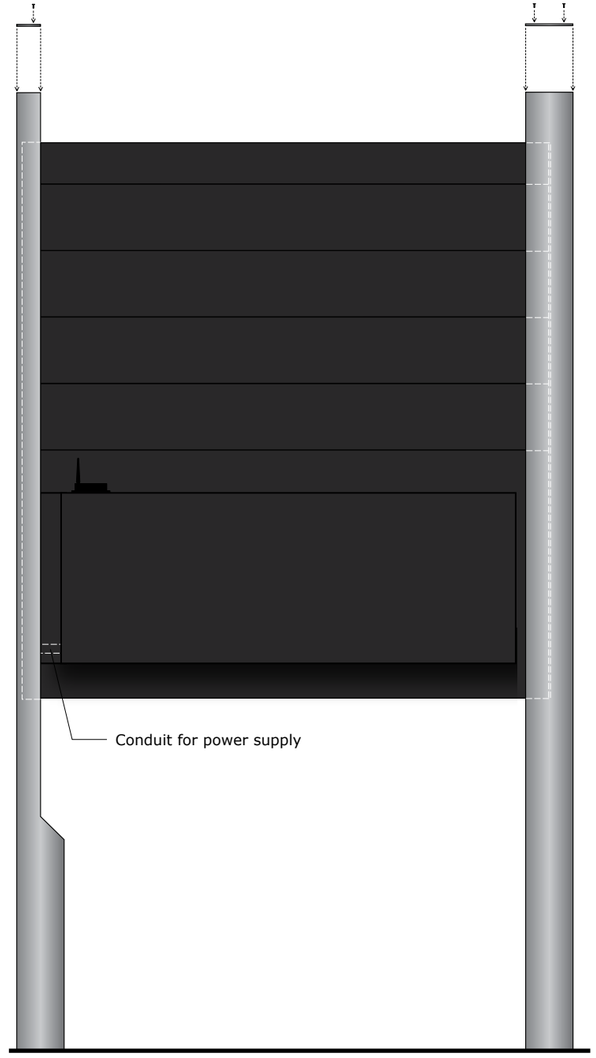

**Plan view**




**Front view**

**Side view**




**Back view**

**Sign Type**

**Gx-4**
Vehicular Guide with Digital Message Board (4" text)

**Scale**

3/4" = 1'-0"

**Color Code**

**Notes**

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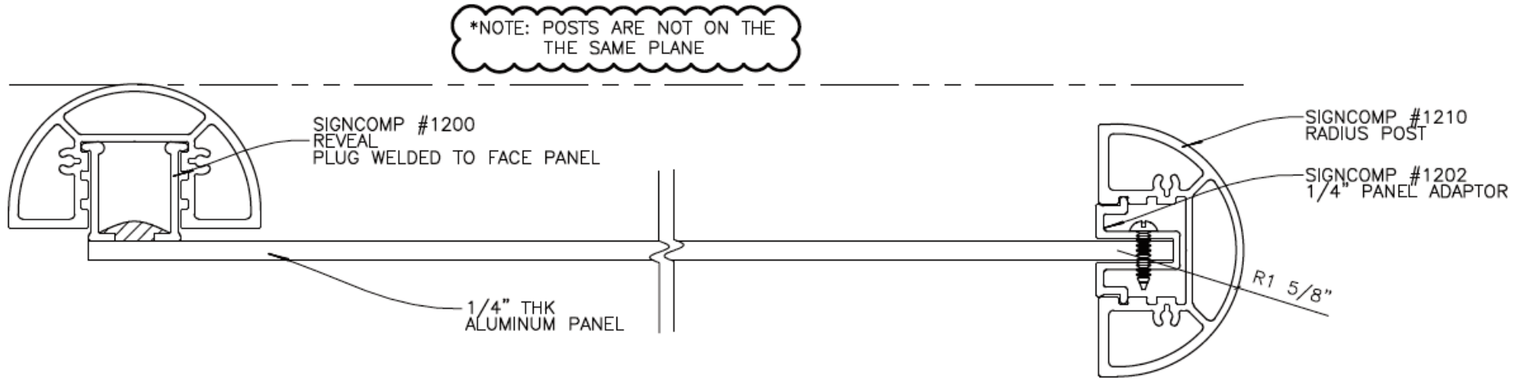
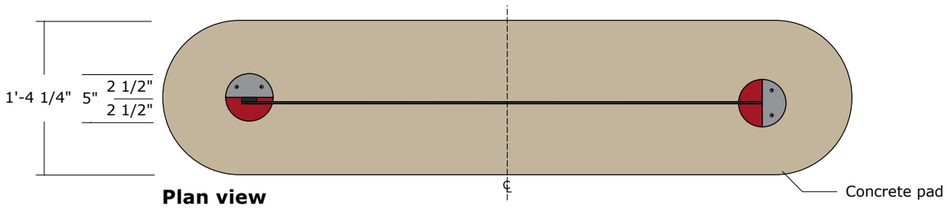
| Date | Description |
|---|---|
| 06.03.11 | Prototype design intent |

**Client**

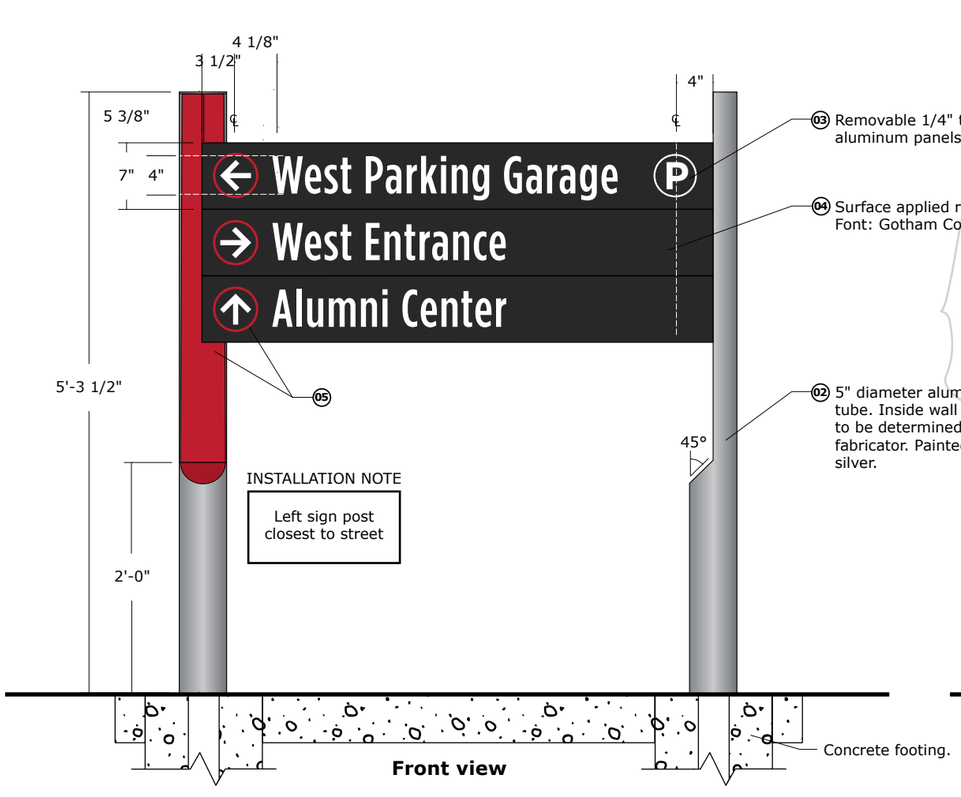
**University of Nebraska at Omaha**

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

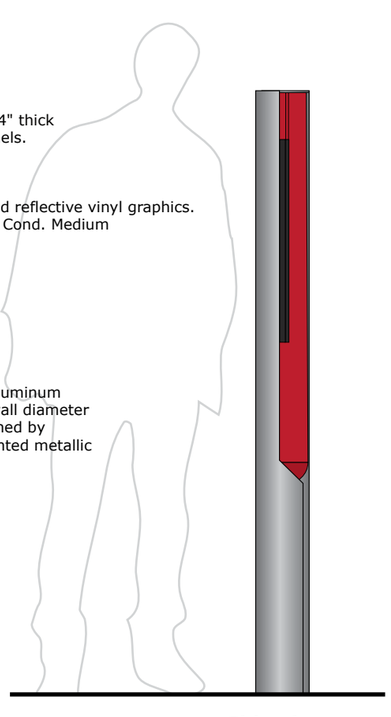


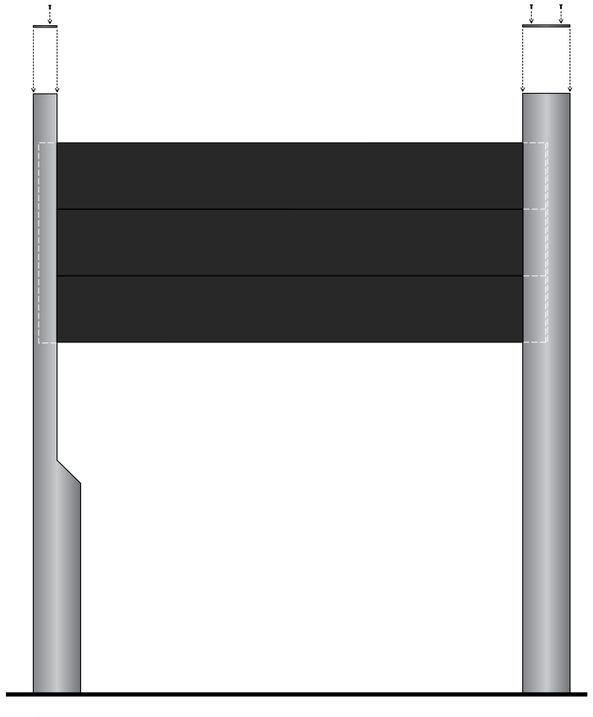

**Plan view**




**Front view**



**Side view**



**Back view**

**Sign Type**

**Gx-5**
Vehicular Guide
(4" text)

**Scale**

3/4" = 1'-0"

**Color Code**

**Notes**

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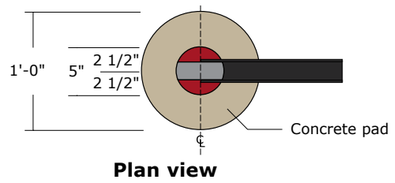
| Date | Description |
|---|---|
| 06.03.11 | Prototype design intent |

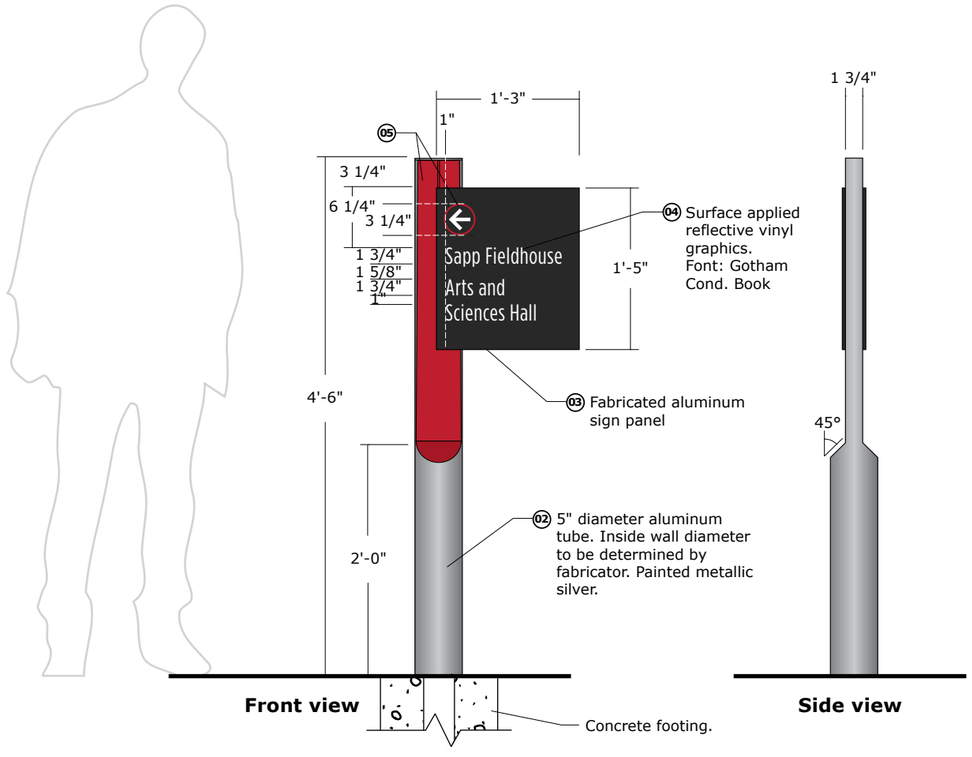
**Client**

**University of Nebraska at Omaha**

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




**Plan view**




**Front view** **Side view**


**Back view**

**Sign Type**

**Gx-6**
Pedestrian Guide

**Scale**

3/4" = 1'-0"

**Color Code**

**Notes**

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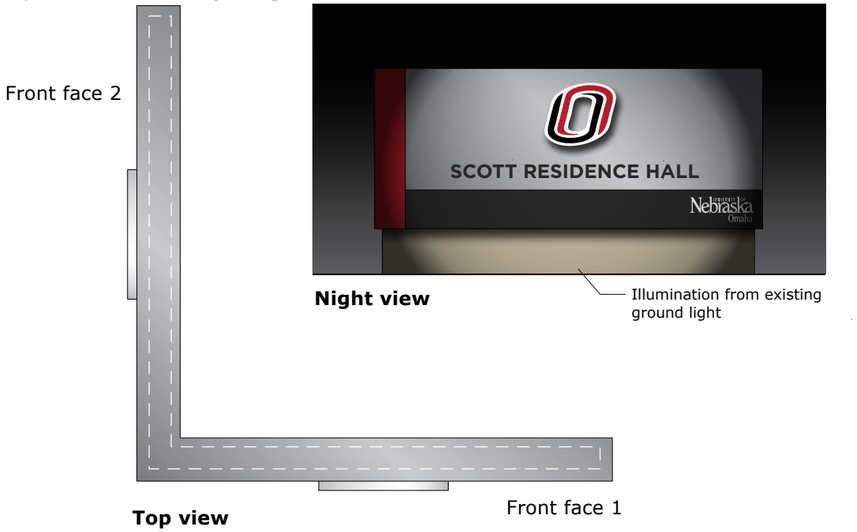
| Date | Description |
|---|---|
| 06.03.11 | Prototype design intent |
| 09.14.11 | Revision |

**Client**

**University of Nebraska at Omaha**

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



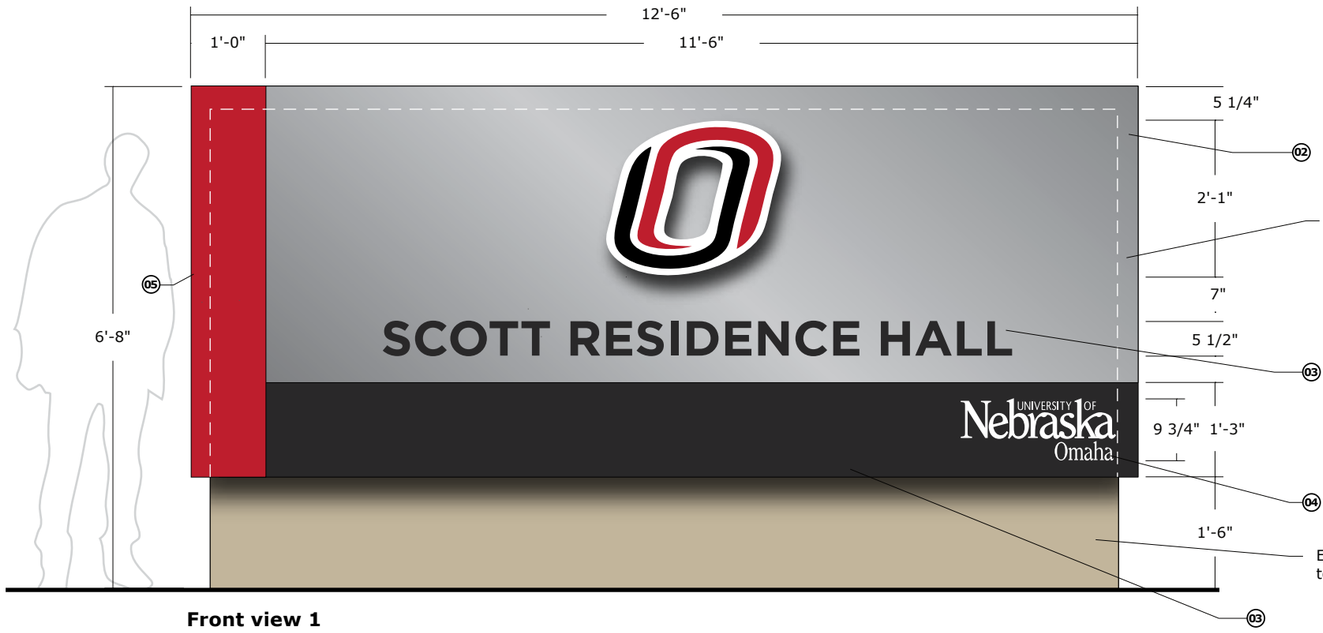


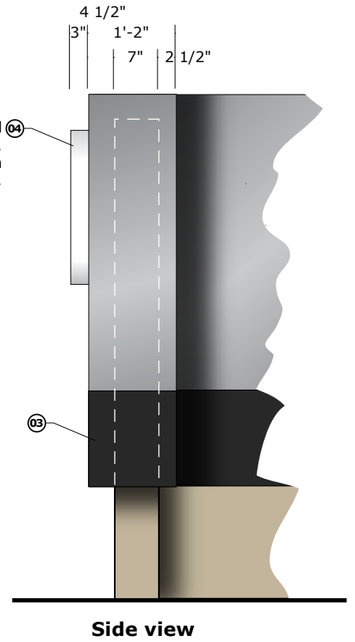
# SCOTT RESIDENCE
# THOMPSON ALUMNI CENTER
# SCOTT VILLAGE

**Message Layouts**








**Sign Type**

**lx-1b**
Building Identifier-Retrofit

**Scale**

1/2" = 1'-0"

**Color Code**

**Notes**

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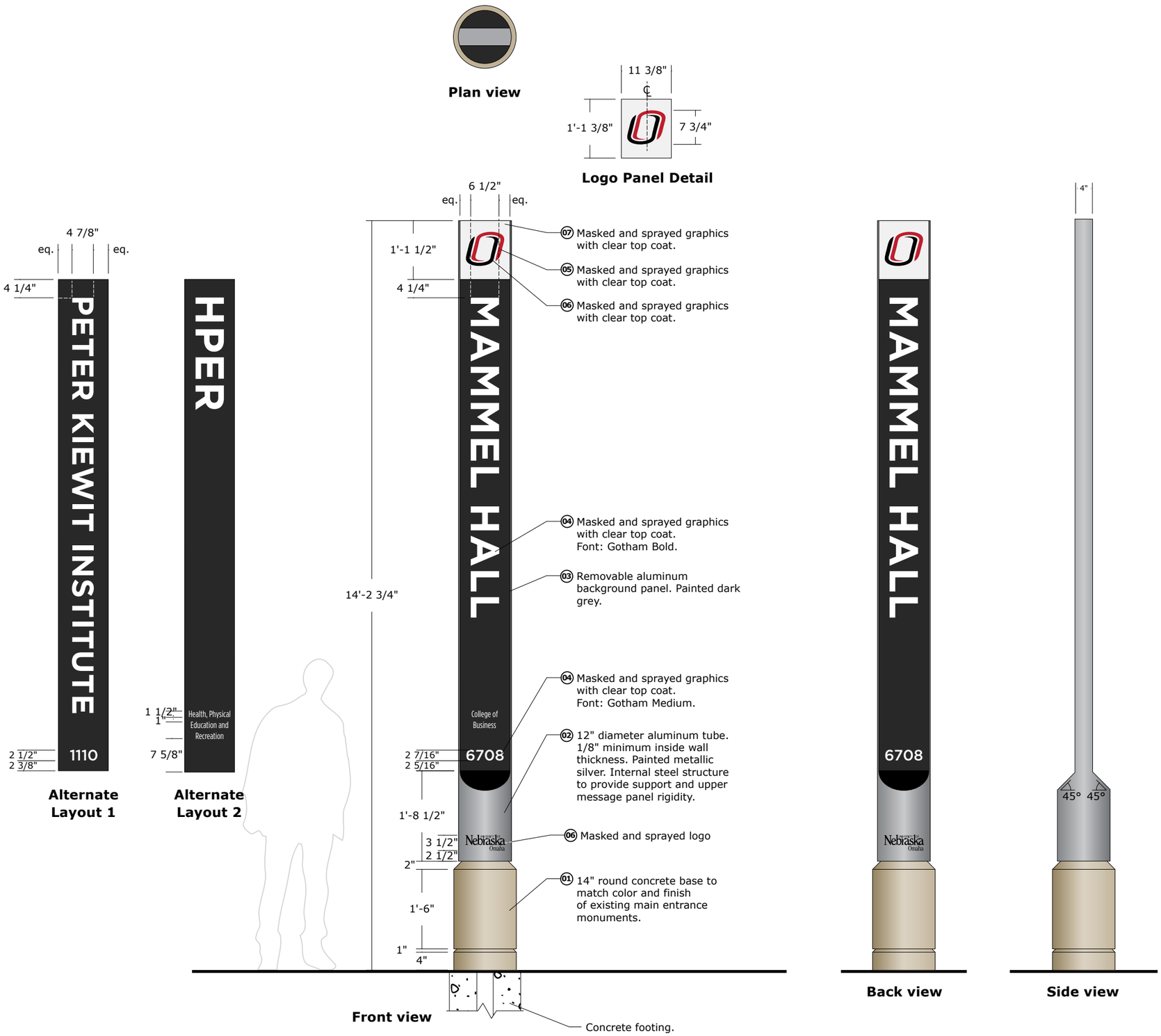
| Date | Description |
|---|---|
| 06.03.11 | Prototype design intent |
| 09.14.11 | Revision |

**Client**

**University of Nebraska at Omaha**

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




**Sign Type**

**Ix-2**
Vertical Vehicular Building Identifier

**Scale**

1/2" = 1'-0"

**Color Code**

**Notes**

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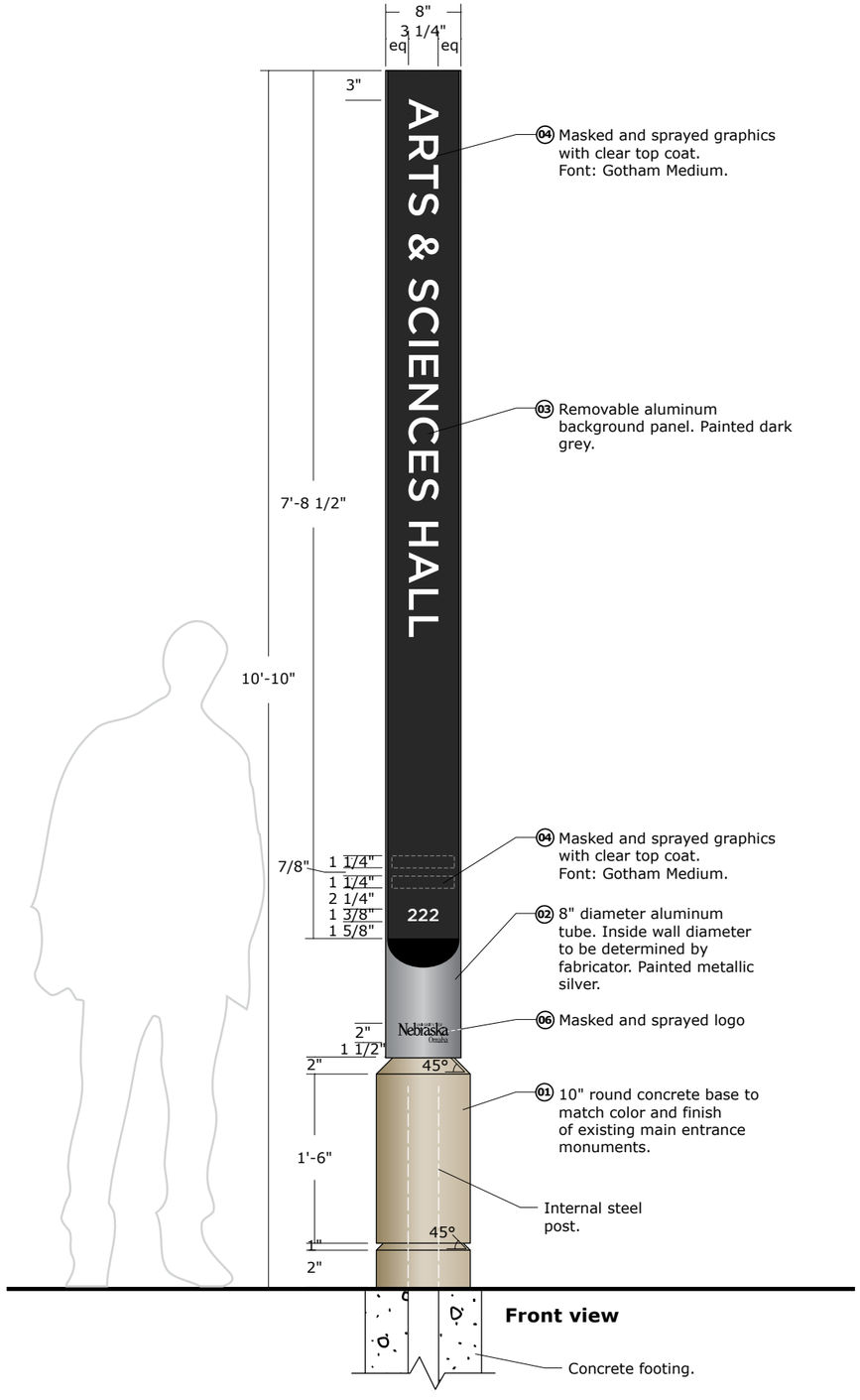
| Date | Description |
|---|---|
| 11.09.11 | Design intent |

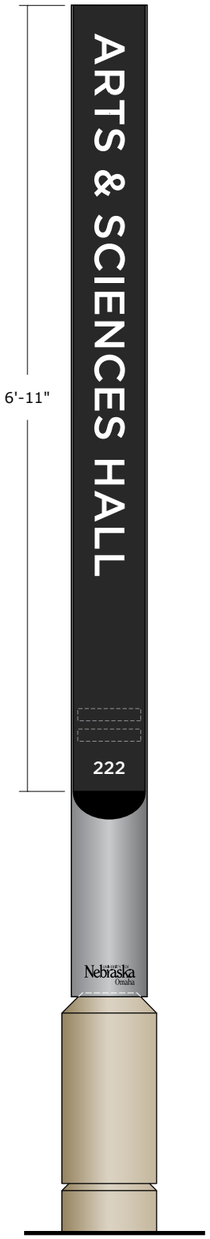
**Client**

**University of Nebraska at Omaha**

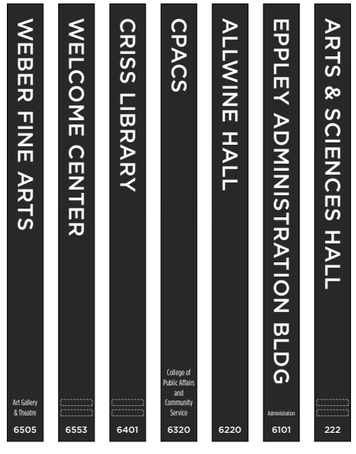
corbindesign
109 East Front Suite 304
Traverse City, MI 49684
231 947.1236



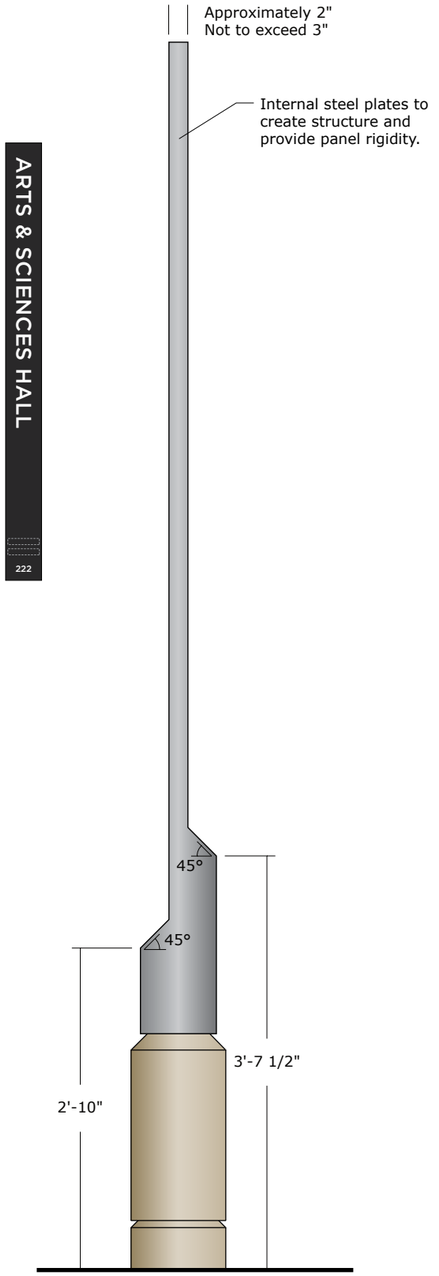

**Front view**




**Back view**




**Message layouts**




**Side view**

**Sign Type**

**Ix-3**
Vertical Pedestrian Building Identifier

**Scale**

3/4" = 1'-0"

**Color Code**

**Notes**

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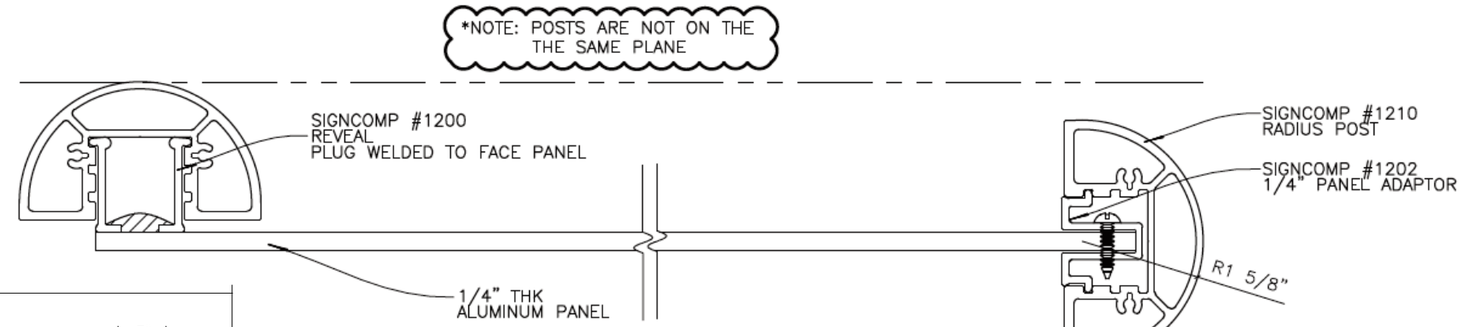
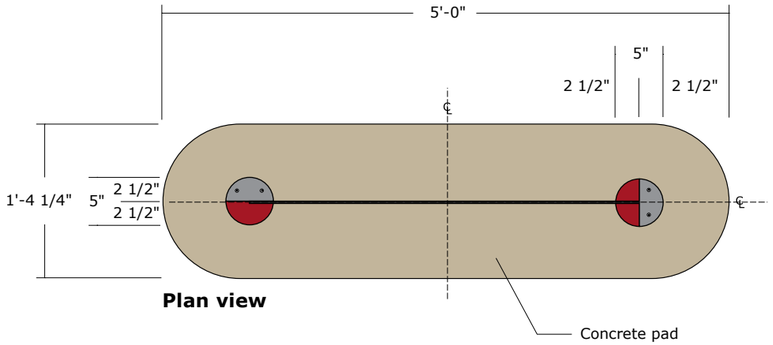
| Date | Description |
|---|---|
| 06.03.11 | Prototype design intent |
| 09.14.11 | Revision |

**Client**

**University of Nebraska at Omaha**

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



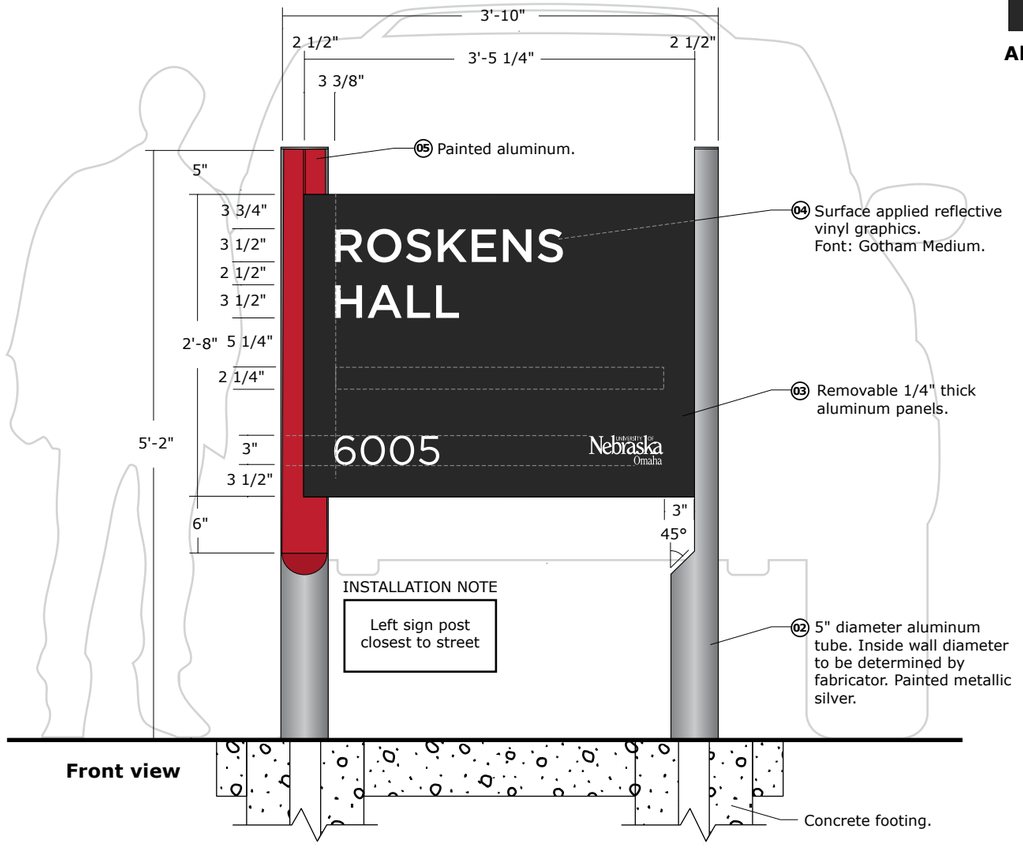




**Plan view**

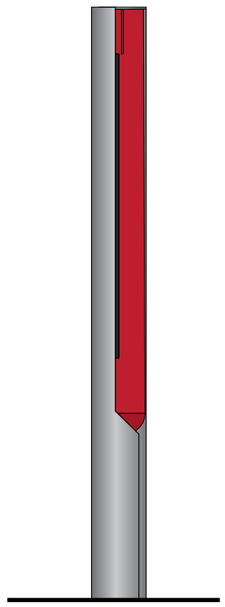
EPPLEY ADMINISTRATION BUILDING

6101

**Alternate layout 1**




**Front view**



**Side view**


**Back view**

**Sign Type**

**Ix-4a** ☒
Building Identifier, Small Horizontal

**Scale**

3/4" = 1'-0"

**Color Code**

**Notes**

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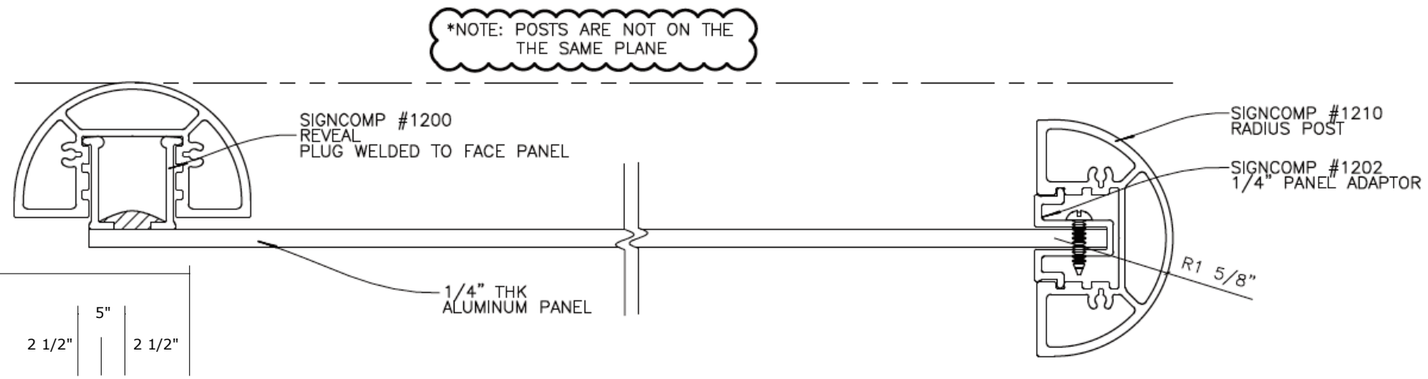
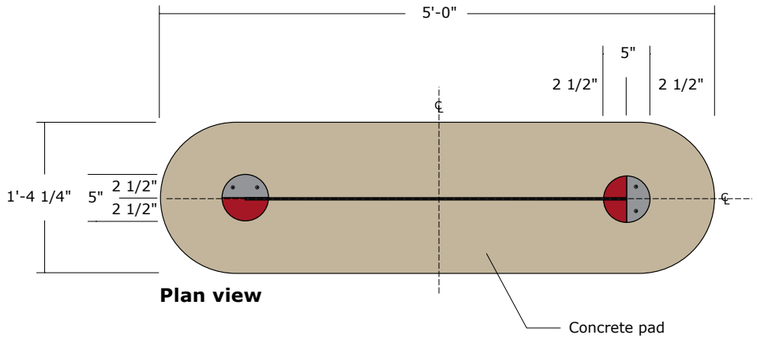
| Date | Description |
|---|---|
| 06.03.11 | Prototype design intent |

**Client**

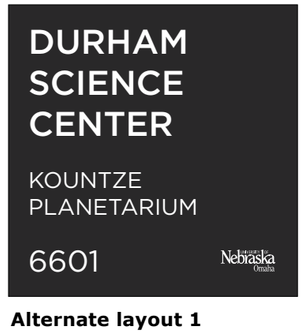
**University of Nebraska at Omaha**

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

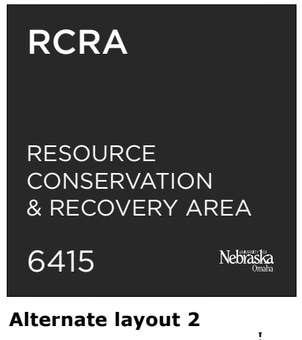


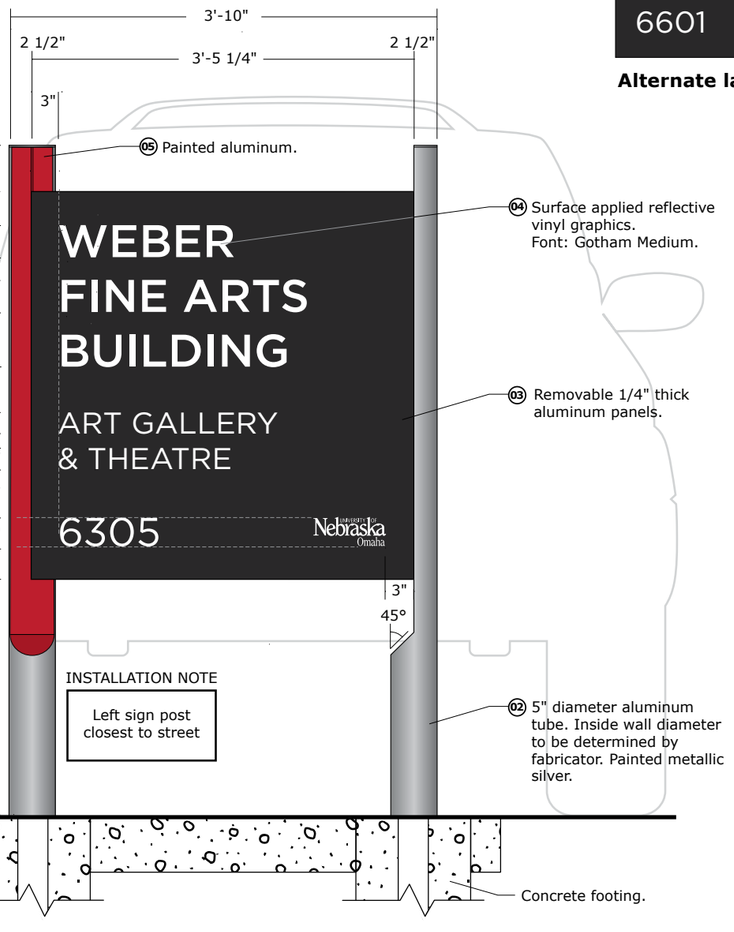

**Plan view**



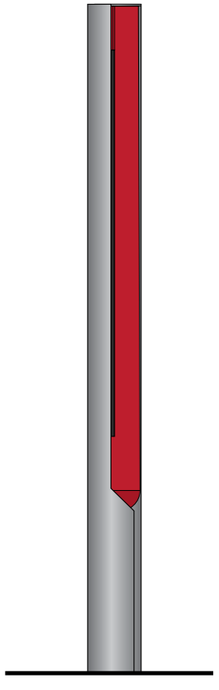

**Alternate layout 1**



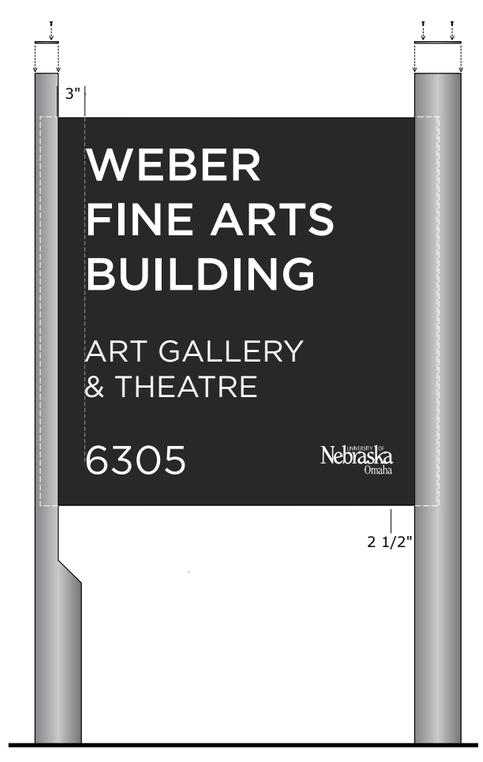

**Alternate layout 2**




**Front view**



**Side view**




**Back view**

**Sign Type**

**Ix-4b** ☒
Building Identifier, Large Horizontal

**Scale**

3/4" = 1'-0"

**Color Code**

**Notes**

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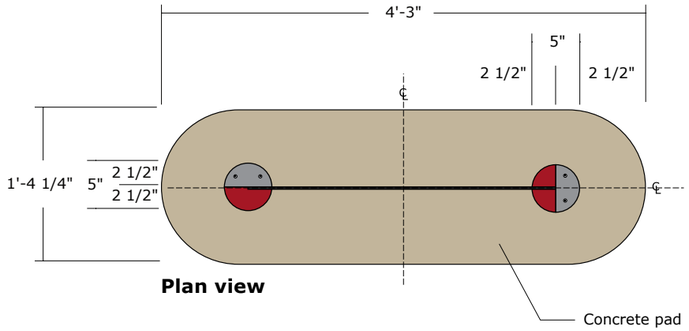
| Date | Description |
|---|---|
| 06.03.11 | Prototype design intent |

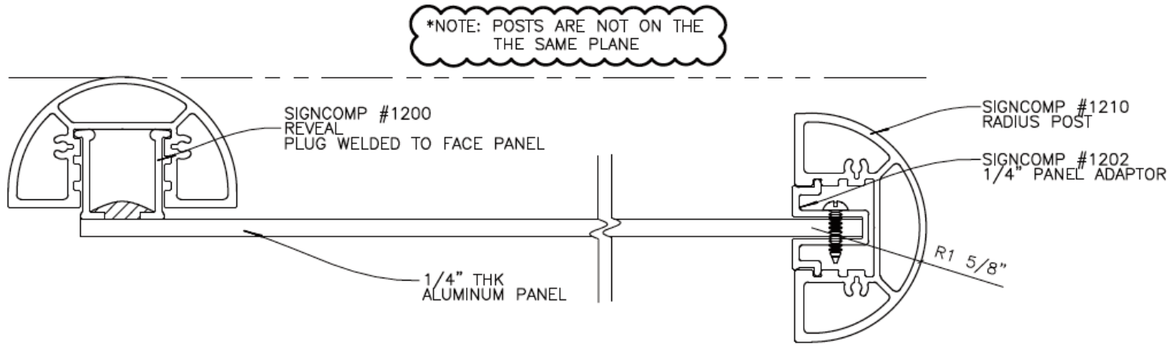
**Client**

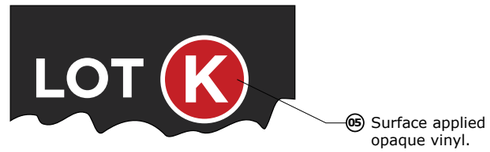
**University of Nebraska at Omaha**

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

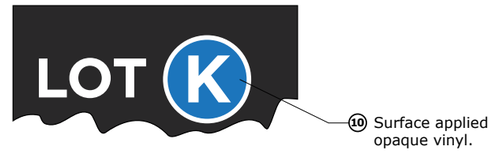



**Plan view**

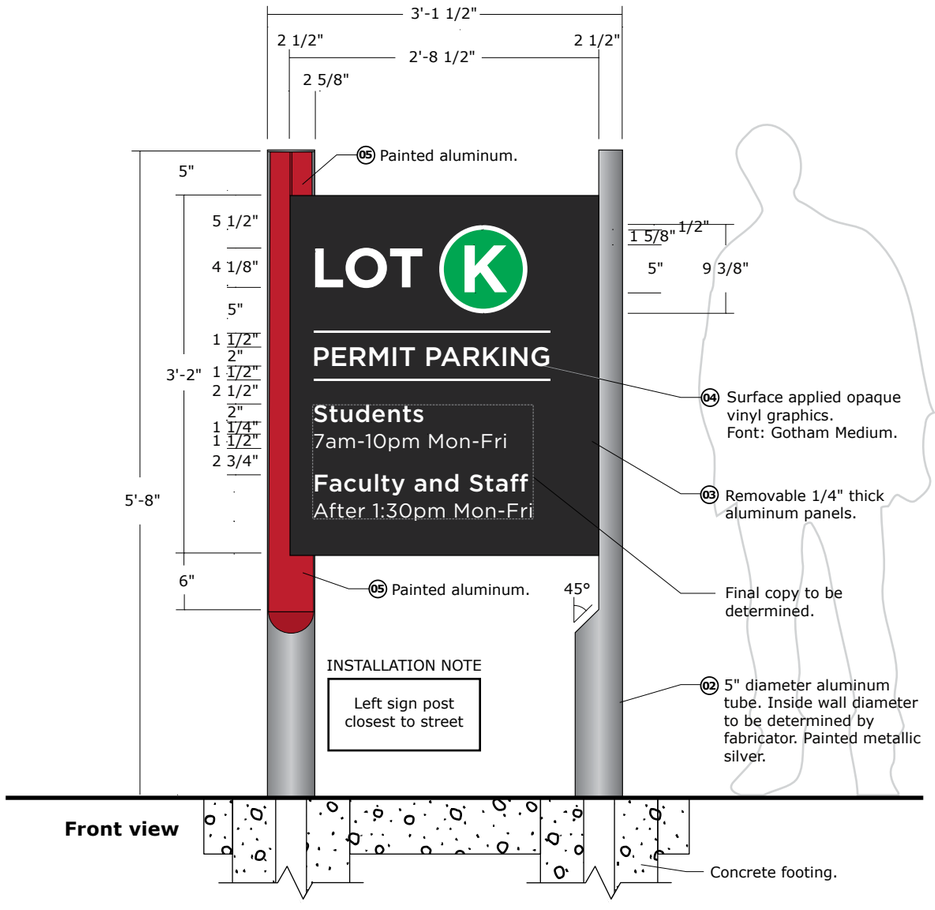


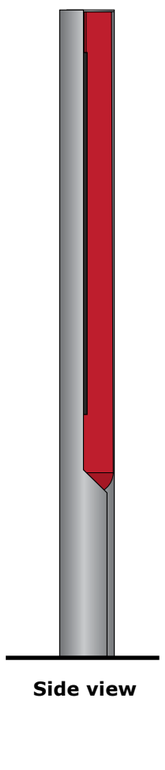

**Alternate Lot Color**




**Alternate Lot Color**

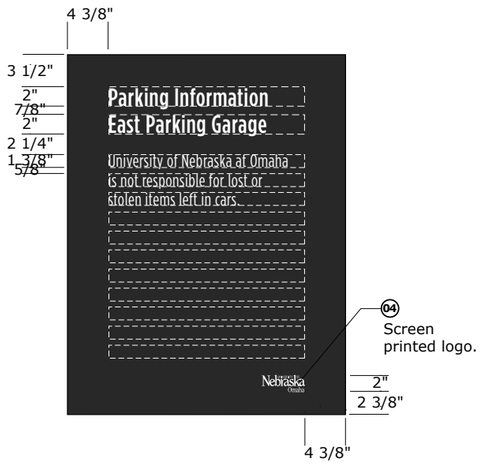



**Front view**



**Side view**


**Back view**




**Alternate regulatory layout**

**Sign Type**

**Ix-5**
Parking Identifier

**Scale**

3/4" = 1'-0"

**Color Code**

**Notes**

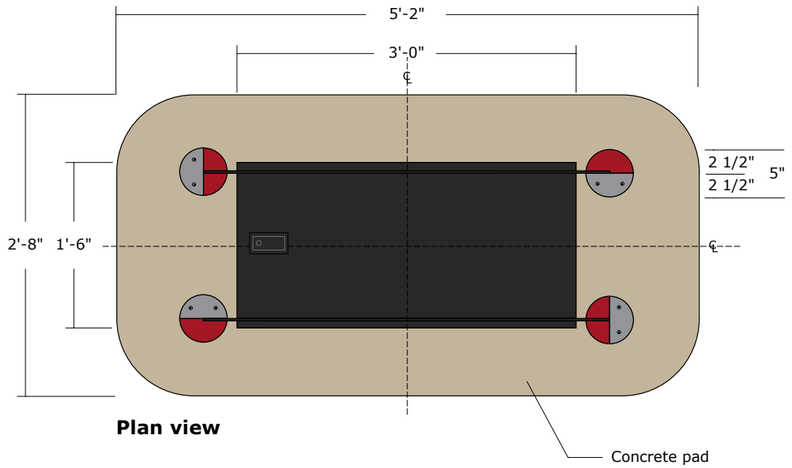
This drawing is design-intent only. Fabricator is responsible for fabrication and overall level of quality. Any changes in design, materials, fabrication method or other details must be approved by Corbin Design and the University of Nebraska Omaha.

| Date | Description |
|---|---|
| 06.03.11 | Prototype design intent |

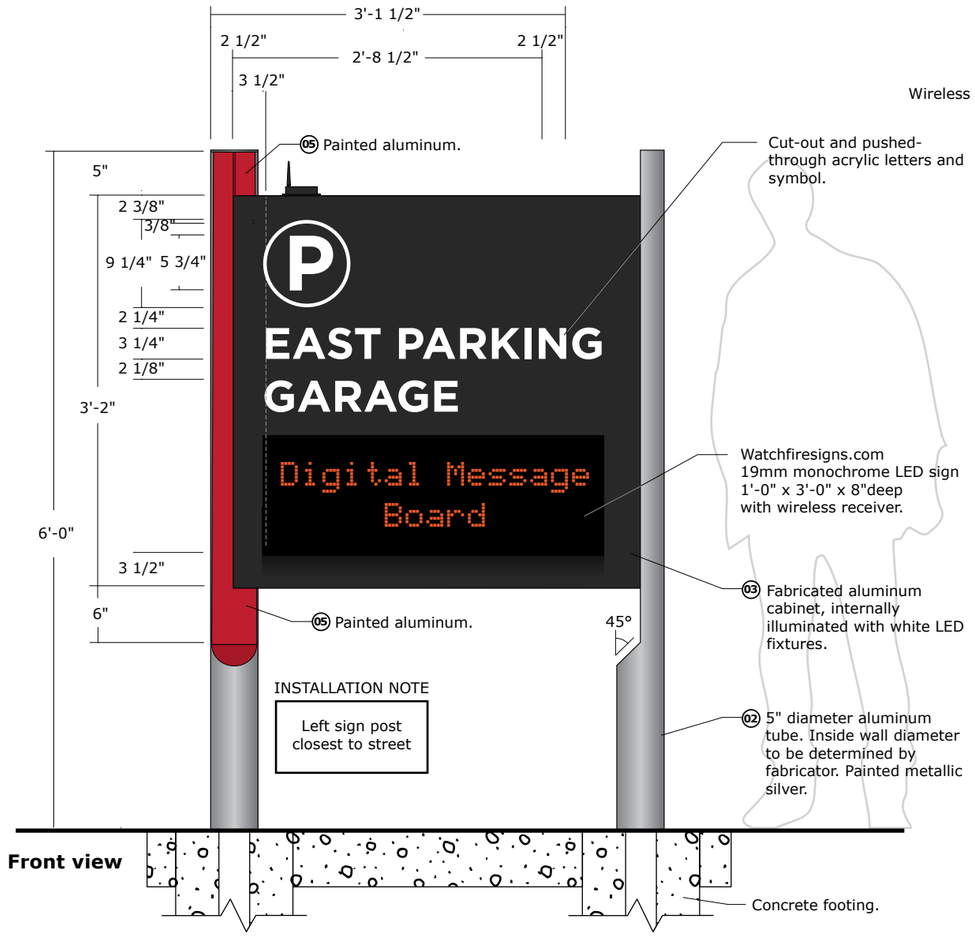
**Client**

**University of Nebraska at Omaha**

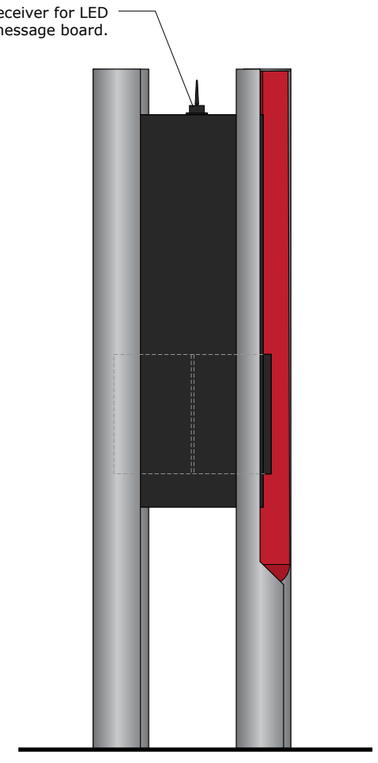
corbindesign
109 East Front Suite 304
Traverse City, MI 49684
231 947.1236




**Plan view**




**Front view**




**Side view**


**Back view**

**Sign Type**

**Ix-6**
Parking Identifier with Digital Message Board

**Scale**

3/4" = 1'-0"

**Color Code**

**Notes**

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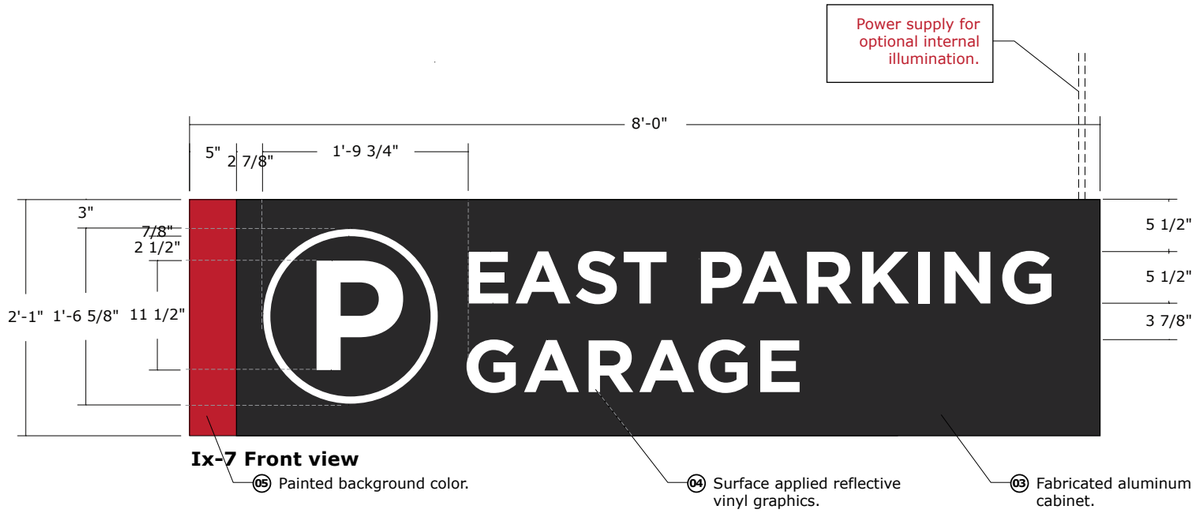
| Date | Description |
|---|---|
| 06.03.11 | Prototype design intent |

**Client**

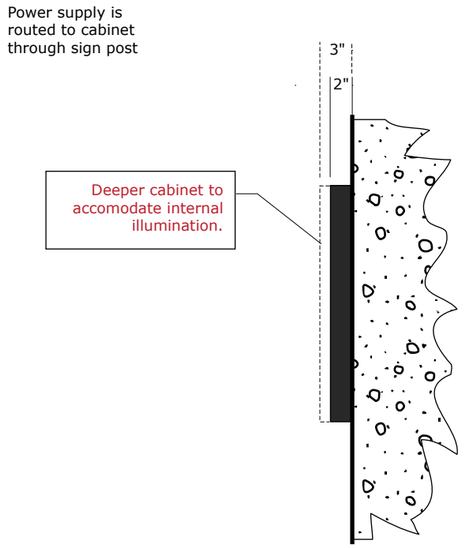
**University of Nebraska at Omaha**

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

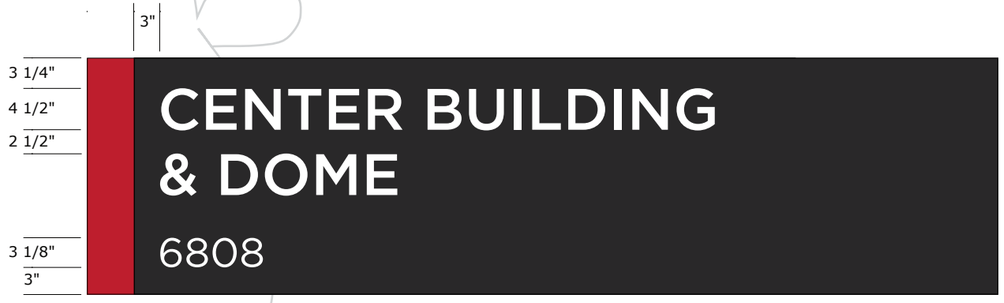



**Ix-7 Front view**

**Ix-7a ALTERNATE**
Internally illuminated cabinet with white LED. Cut-out push-through acrylic letters and symbol.




**Side view**




**Alternate building identification layout**

**Sign Type**

**Ix-7 and Ix-7a** ☒
Parking Identifier, wall mounted

**Scale**

3/4" = 1'-0"

**Color Code**

**Notes**

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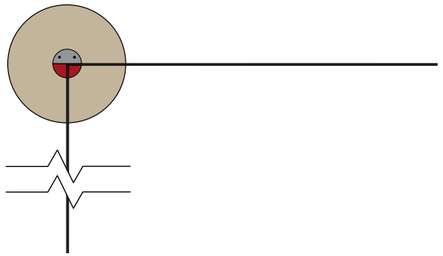
| Date | Description |
|---|---|
| 06.03.11 | Prototype design intent |
| 09.14.11 | Revision |

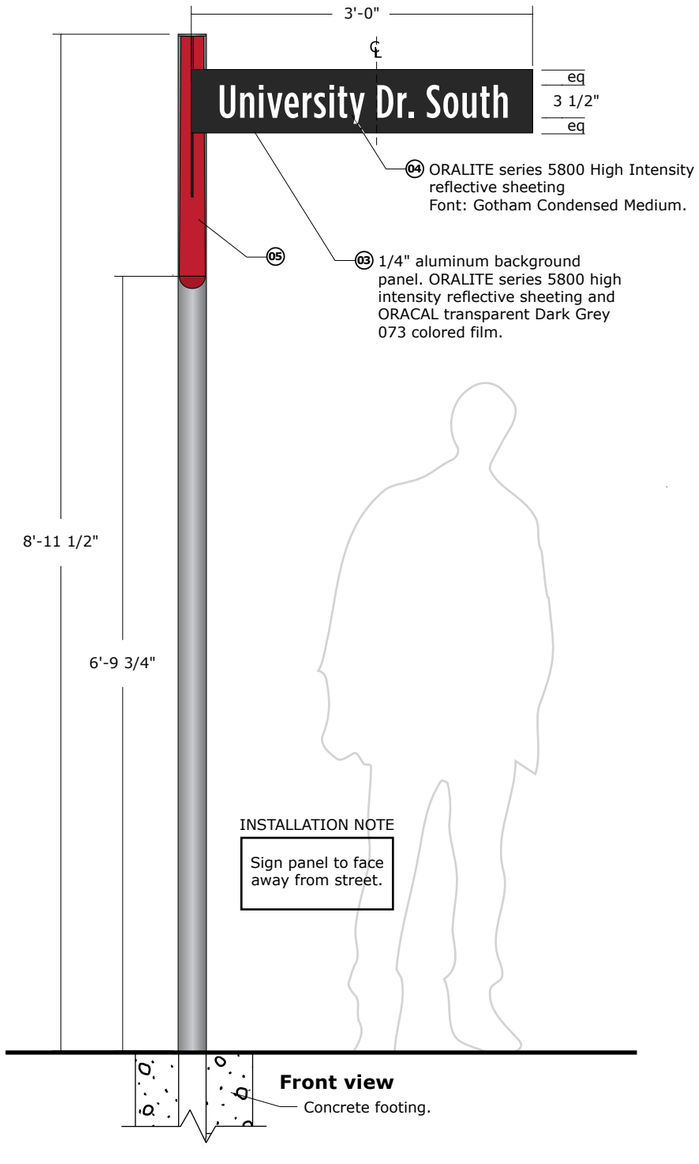
**Client**

**University of Nebraska at Omaha**

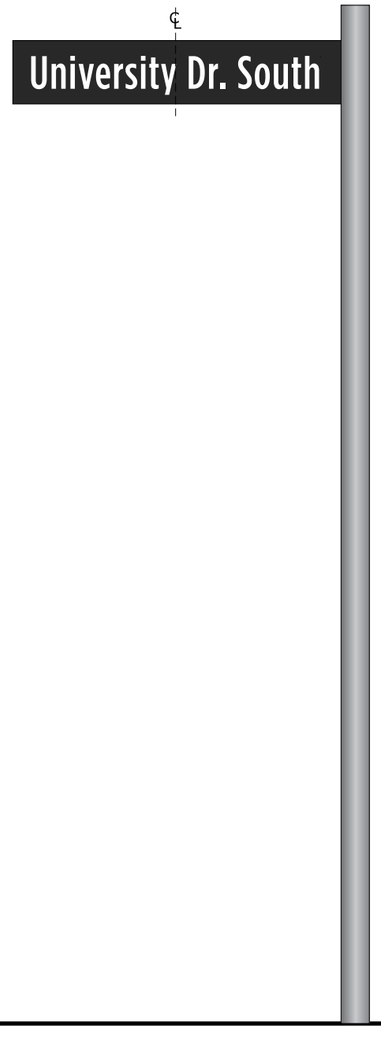
corbindesign
109 East Front Suite 304
Traverse City, MI 49684
231 947.1236



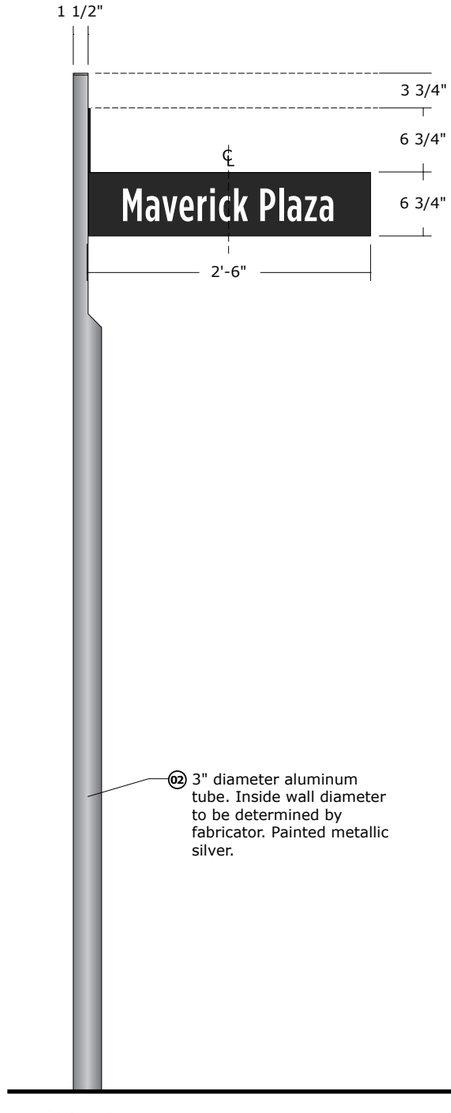
**Plan view**




**Front view**




**Back view**




**Side view**

**Sign Type**

**Ix-8 ✚**
Street Identifier

**Scale**

3/4" = 1'-0"

**Color Code**

**Notes**

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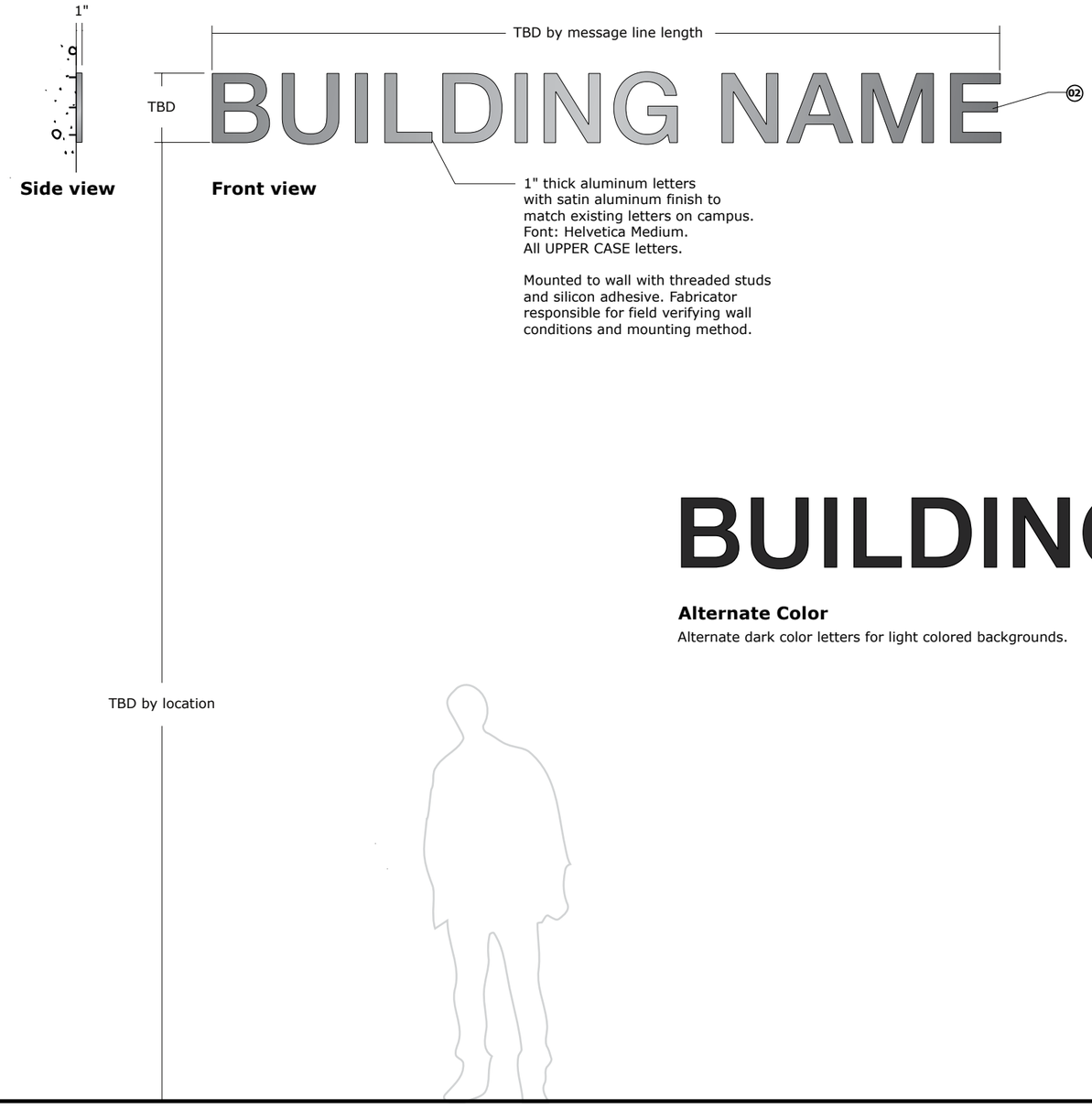
| Date | Description |
|---|---|
| 06.03.11 | Prototype design intent |
| 09.14.11 | Revision |

**Client**

**University of Nebraska at Omaha**

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




**Sign Type**

**Ix-9**
Building Identifier
Wall Mounted

**Scale**

1/2" = 1'-0"

**Color Code**

**Notes**

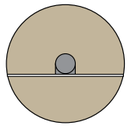
This drawing is design-intent only. Fabricator is responsible for fabrication and overall level of quality. Any changes in design, materials, fabrication method or other details must be approved by Corbin Design and the University of Nebraska Omaha.

| Date | Description |
|---|---|
| 06.03.11 | Prototype design intent |
| 09.14.11 | Revision |
| 02.20.12 | Added |

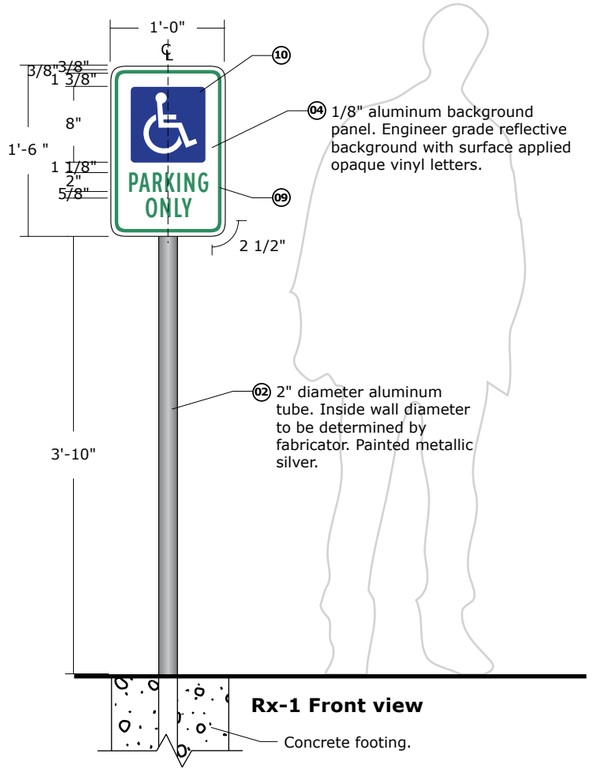
**Client**

**University of Nebraska at Omaha**

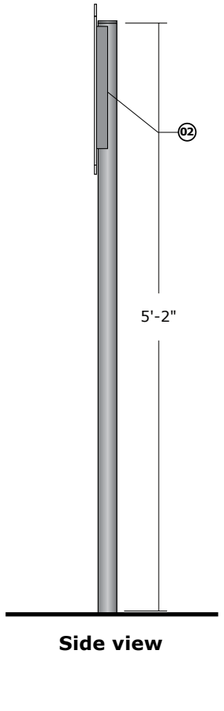
corbindesign
109 East Front Suite 304
Traverse City, MI 49684
231 947.1236



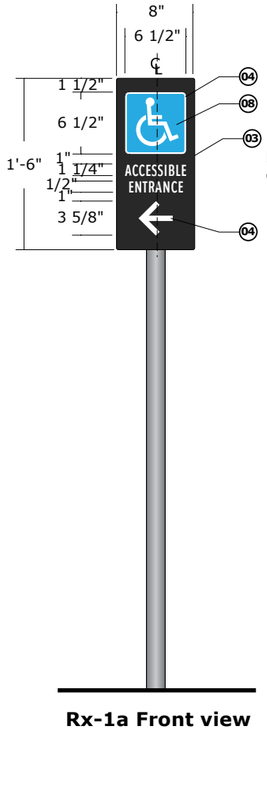
**Plan view**




**Rx-1 Front view**




**Side view**




**Rx-1a Front view**

**Sign Type**

**Rx-1 and Rx-1a ◇**
Regulatory

**Scale**

3/4" = 1'-0"

**Color Code**

**Notes**

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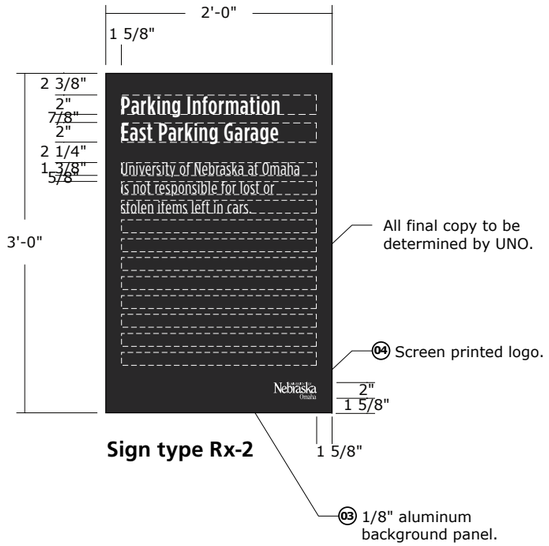
| Date | Description |
|---|---|
| 06.03.11 | Prototype design intent |
| 09.14.11 | Revision |

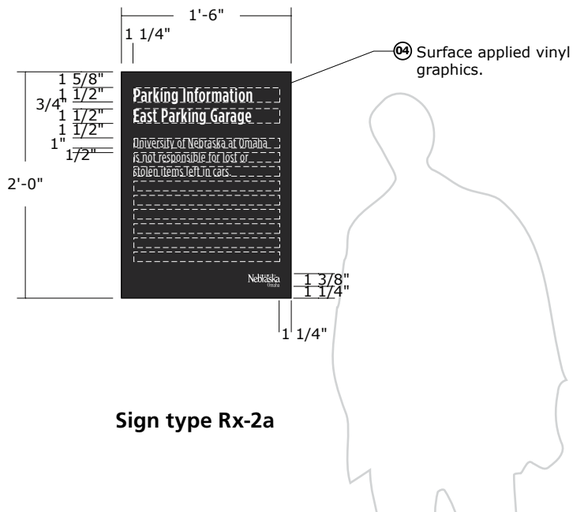
**Client**

**University of Nebraska at Omaha**

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




**Sign type Rx-2**




**Sign type Rx-2a**

**Front view**

**Front view**

**Sign Type**

**Rx-2 & Rx-2a** ◇
Regulatory
Wall mounted

**Scale**

3/4" = 1'-0"

**Color Code**

**Notes**

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| Date | Description |
|---|---|
| 06.03.11 | Prototype design intent |
| 09.14.11 | Revision |

**Client**

**University of Nebraska at Omaha**

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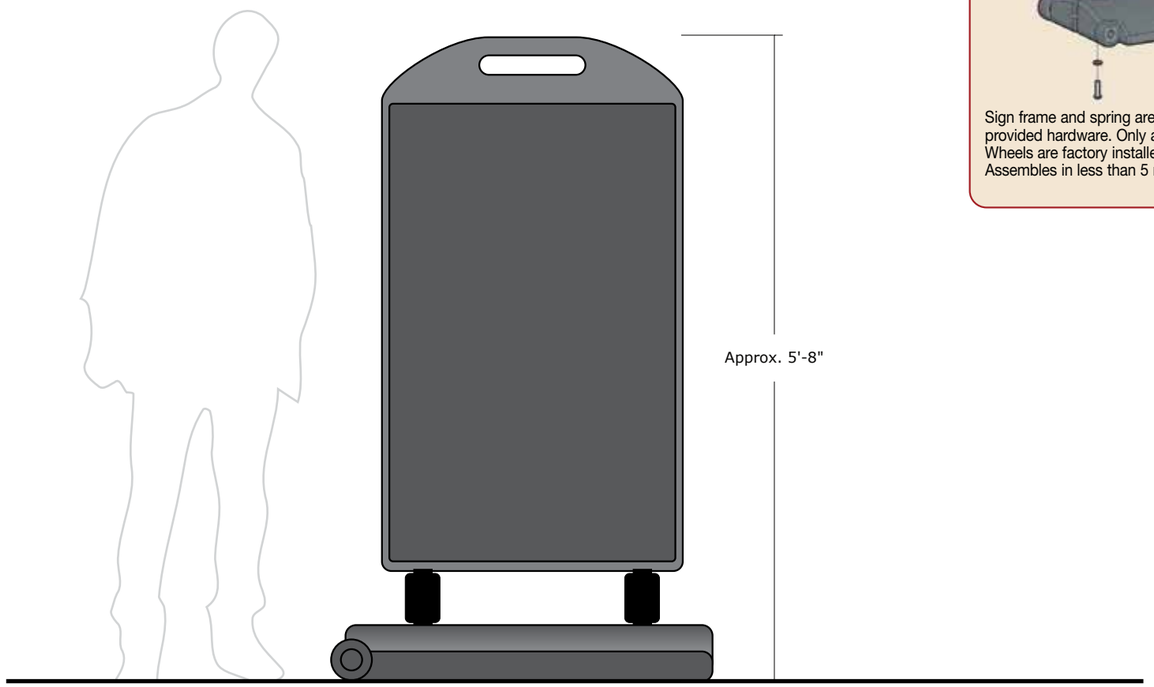
109 East Front Suite 304
Traverse City, MI 49684
231 947.1236

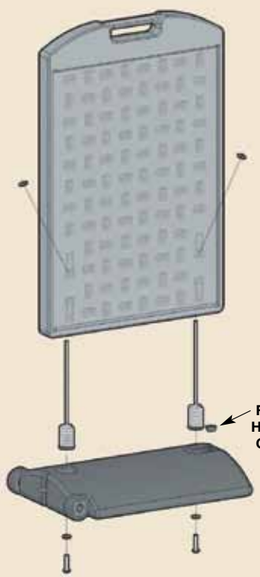

**Temporary Message Layout**



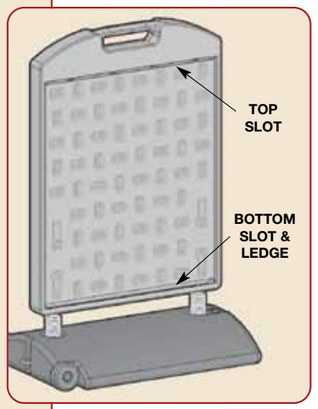

**Front view**

# WindSign Available in 3 sizes

**Assembles in less than 5 minutes**




Sign frame and spring are easily assembled with the provided hardware. Only a screwdriver is required. Wheels are factory installed. Instruction sheet included. Assembles in less than 5 minutes.




**WindSign Dimensions:**

WindSign: 32.75"h x 24"w x 2.5"d
(40"h x 26"w on base assembly)
weight: 11 lbs.

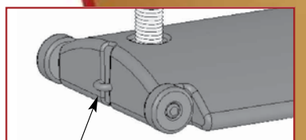
WindSign II: 40.75"h x 26"w x 2.5"d
(48"h x 26"w on base assembly)
weight: 12 lbs.

WindSign III: 44.75"h x 30"w x 2.5"d
(53"h x 30"w on base assembly)
weight: 16.7 lbs.

Base: 4.5"h x 26"w x 18"d
weight: 4.3 lbs.
(90 lbs. filled with sand)
(45 lbs. filled with water)

**Each sign frame displays two signs.**


Molded-in handle and factory installed wheels assure easy mobility.



Molded-in tie down hole allows for chaining or wiring the base, deterring theft.


Free Funnel packed with every base simplifies sand or water loading.

**MADE IN THE USA**
**US PATENT 7,337,569**

PLASTICADE® PRODUCTS

7700 Austin Avenue
Skokie, IL 60077
phone (800) 772-0355
fax (847) 966-8074
www.plasticade.com

**Sign Type**

**Tx-1**
Temporary

**Scale**

3/4" = 1'-0"

**Color Code**

**Notes**

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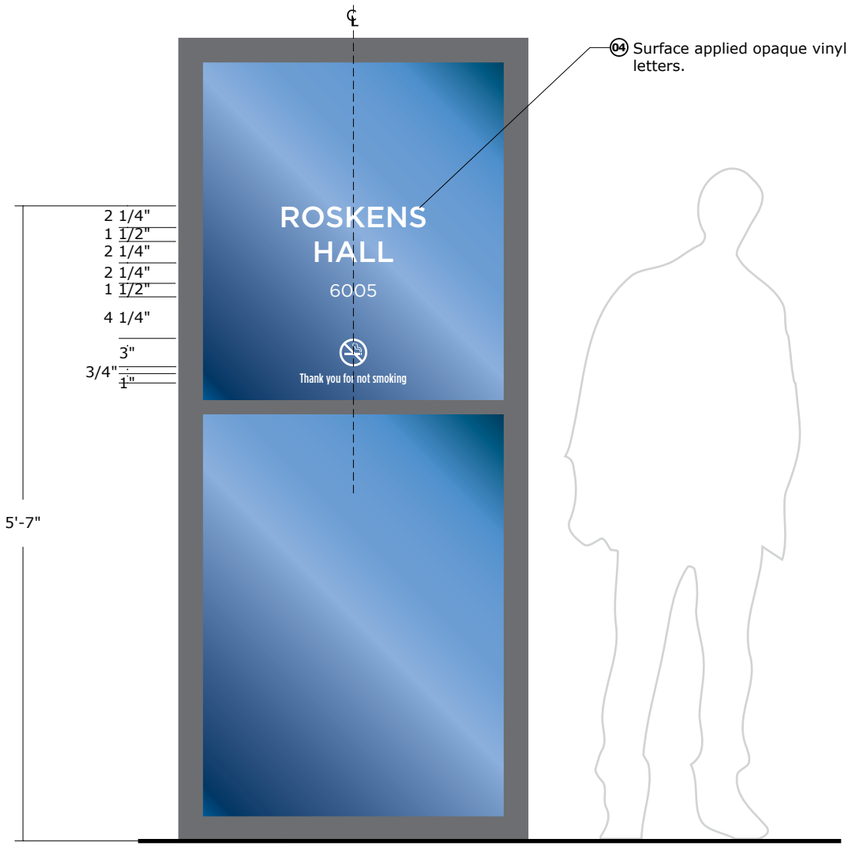
| Date | Description |
|---|---|
| 06.03.11 | Prototype design intent |
| 09.14.11 | Revision |

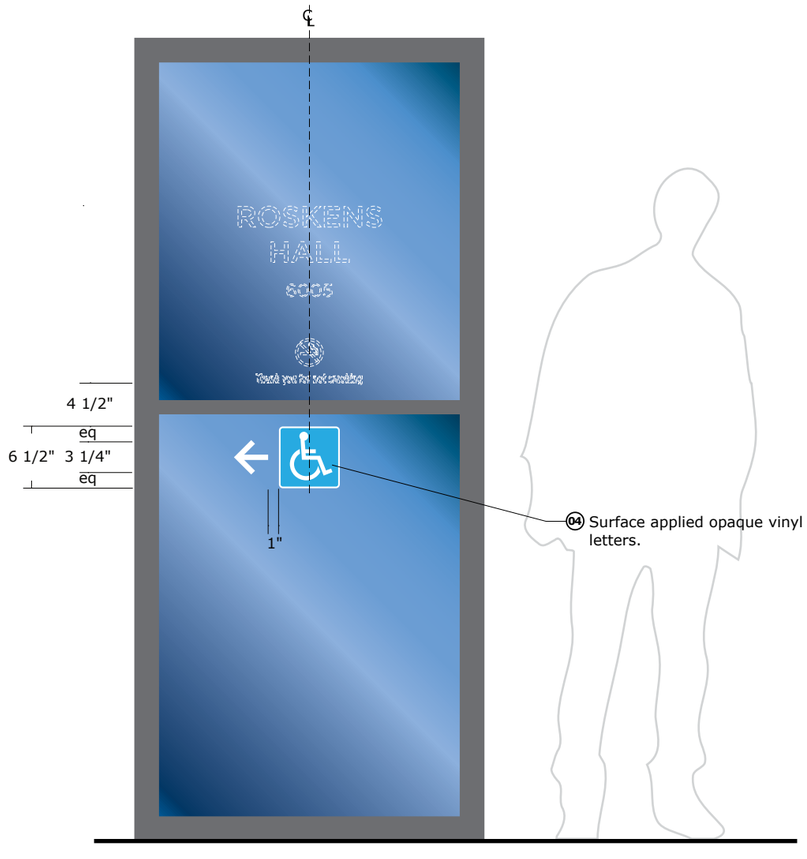
**Client**

**University of Nebraska at Omaha**

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




**Vx-1 Front view**




**Vx-1a Front view**

**Sign Type**

**Vx-1 and Vx-1a**
Vinyl on Glass

**Scale**

3/4" = 1'-0"

**Color Code**

**Notes**

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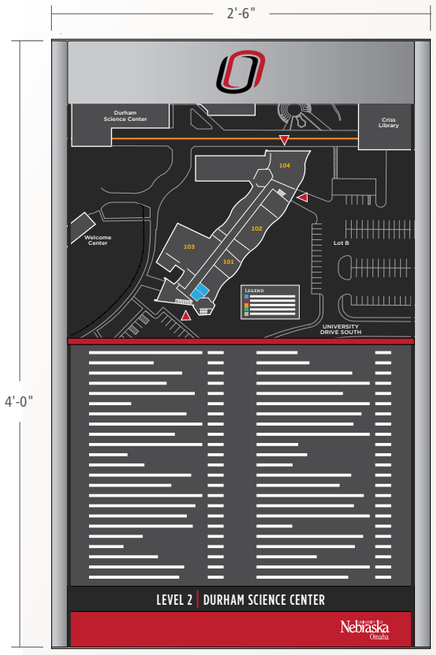
| Date | Description |
|---|---|
| 06.03.11 | Prototype design intent |
| 09.14.11 | Revision |

**Client**

**University of Nebraska at Omaha**

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

## INTERIOR DESIGN ARRAY




**D-1**
Directory, Building

**Construction Details:**

-APCO FullView, large format acrylic display

-Decorative sidebar profiles: Contour shape, Natural Satin Anodized

-Removable acrylic window and printed insert

**Building Directory**
This sign type lists the building name and level, and displays a floor plan of the building along with the location of public corridors, building destinations and amenities. The header element and colors reinforce the University of Nebraska at Omaha academic identity.


**D-1a**
Monitor Display Frame

**Construction Details:**

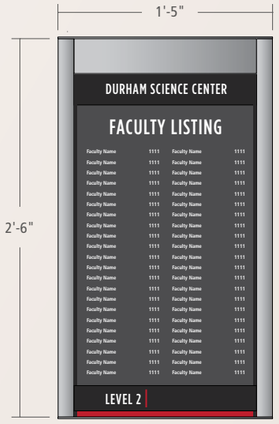
-APCO FullView, large format acrylic display

-Decorative sidebar profiles: Contour shape, Natural Satin Anodized

-Permanent painted aluminum background panel

**UNO Branded Monitor Display Frame**
This sign type surrounds with the building monitors. The frame and background convey UNO branding.

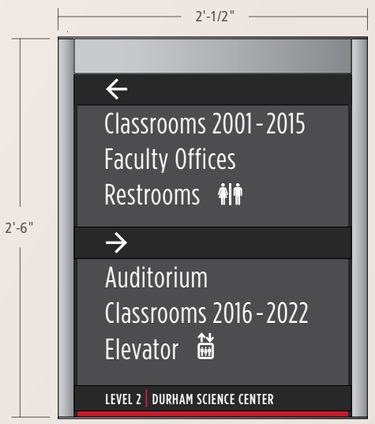
**NOTE:** Vertical format is the default standard for interactive monitors. See pages 49, 50 for more information.




**D-1b**
Freestanding Monitor Display

**Construction Details:**

-APCO Series 3200, 3300




**D-2**
Directory, Faculty

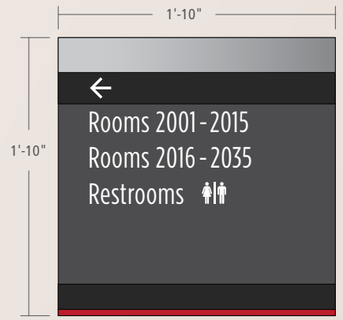
**Construction Details:**

-APCO FullView, large format acrylic display

-Decorative sidebar profiles: Contour shape, Natural Satin Anodized

-Removable acrylic window and printed insert

**Directory Faculty**
This sign type lists the building name and level, and provides the names and room numbers of faculty members whose offices are in the building.

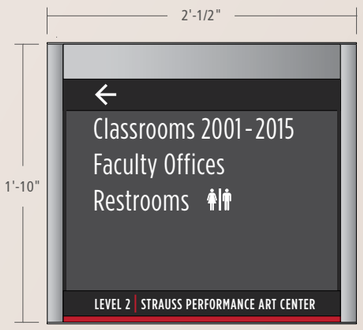



**G-3**
Wall Guide, Acrylic

**Construction Details:**

-Acrylic window insert

-Removable printed insert




**G-1**
Wall Guide, Large

**Construction Details:**

-APCO FullView, FV_3022(V)MF 22"(w) x 30"(h)

-Decorative sidebar profiles: Contour shape, Natural Satin Anodized

-Removable acrylic window and printed insert

**Wall Guides**
These sign types are located at key intersections and along major pathways to direct to nearby destinations and amenities while the header element and colors reinforce the University of Nebraska Omaha identity. A footer element on these signs types list the building name and level number. Destinations should be listed in the following order: left, then right, then straight ahead. Destinations within each direction grouping should be listed alphabetically.

**G-2**
Wall Guide, Small

**Construction Details:**

-APCO FullView, FV_2222(V)MF 22"(w) x 22"(h)

-Decorative sidebar profiles: Contour shape, Natural Satin Anodized

-Removable acrylic window and printed insert

## INTERIOR DESIGN ARRAY

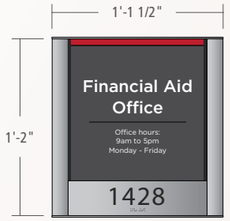
**Department, Room, Office and Regulatory Identifiers**
These sign types are used to indicate the location of public destinations. The largest version of this sign type can also list other information such as hours of operation. Some of the sign types can also incorporate a notifier bar to hold temporary paper inserts. A footer element on most of the signs presents the room number in tactile lettering and Braille, as required by the Americans with Disabilities Act.

**Construction Details:**

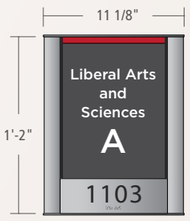
-APCO FullView, FV_1411(V) 11"(w) x 14"(h)

-Decorative sidebar profiles: Contour shape, Natural Satin Anodized

-Removable acrylic window and printed insert and tactile and Braille panel

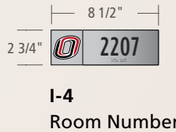



**I-1**
Primary Department Identifier




**I-2**
Room Identifier, Large


**I-3**
Room Identifier, Small

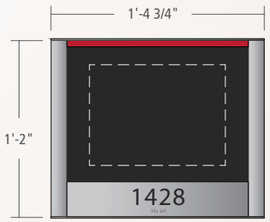



**I-4**
Room Number
Identifier


**I-4a**
Room Number
Identifier - w/ notifier bar


**I-4b**
Door Frame Number
Identifier


**I-5**
Office Identifier
Identifier



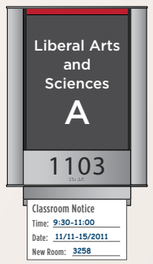

**I-1a**
Room Monitor
Display Frame

**Construction Details:**

-APCO FullView, large format acrylic display

-Decorative sidebar profiles: Contour shape, Natural Satin Anodized

-Permanent painted aluminum background panel




**I-2a**
Room Identifier,
Large - w/ notifier bar

**Construction Details:**

-APCO FullView, FV_1485(V) 8 1/2"(w) x 14"(h)

-Decorative sidebar profiles: Contour shape, Natural Satin Anodized

-Removable acrylic window and printed insert and tactile and Braille panel


**I-3a**
Room Identifier,
Small - w/ notifier bar

**Construction Details:**

-APCO FullView, FV_1185(V) 8 1/2"(w) x 11"(h)

-Decorative sidebar profiles: Contour shape, Natural Satin Anodized

-Removable acrylic window and printed insert and tactile and Braille panel


**I-4c**
Room Name &
Number Identifier

**Construction Details:**

-Acrylic sign w/ tactile and Braille panel


**I-5a**
Office Identifier
Identifier - w/ notifier bar

**Construction Details:**

-APCO FullView, FV_8585(V) 8 1/2"(w) x 8 1/2"(h)

-Decorative sidebar profiles: Contour shape, Natural Satin Anodized

-Removable acrylic window and printed insert and tactile and Braille panel

## INTERIOR DESIGN ARRAY


**I-6**
Office/Cubicle Identifier
Identifier, Small

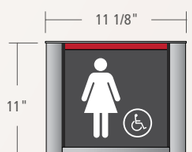

**I-6a**
Office/Cubicle Identifier
Identifier, Small - w/ notifier bar

**Construction Details:**

-APCO FullView, FV_5585(V) 8 1/2"(w) x 5 1/2"(h)

-Decorative sidebar profiles: Contour shape, Natural Satin Anodized

-Removable acrylic window and printed insert



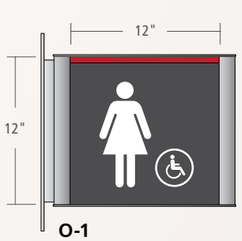

**R-1**
Regulatory

**Construction Details:**

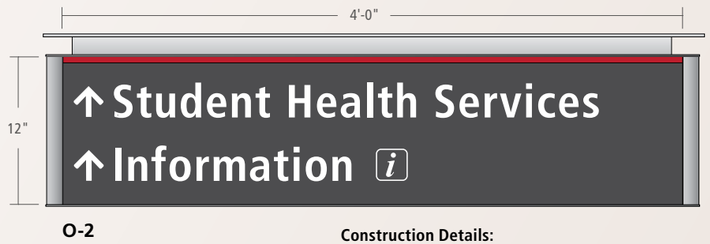
-APCO FullView, FV_1185(V) 8 1/2"(w) x 11"(h)

-Decorative sidebar profiles: Contour shape, Natural Satin Anodized

-Removable acrylic window and printed insert and tactile and Braille panel




**O-1**
Projecting Overhead
Identifier




**O-2**
Overhead Guide
and Identifier

**Construction Details:**

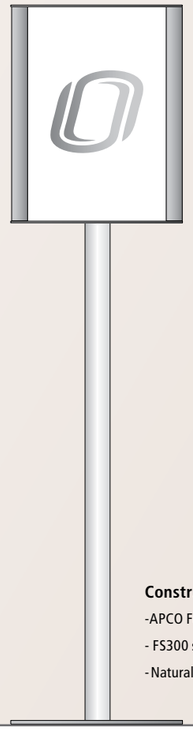
-APCO FullView, FV_1248(V) 12"(w) x 48"(h)

- CMF and CMW, double-sided

-Natural Satin Anodized contour FVST-6

**Overhead Signs**
These sign types should be used on a limited basis where the line of sight is an important issue.

**Insert Notice Frames**
These sign types are used whenever notice or regulatory information needs to be posted and changed regularly. Two sizes allow the printing and use of letter or tabloid-sized paper inserts.



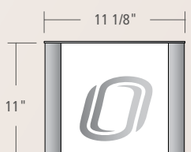
**T-1**
Freestanding
Temporary Insert

**Construction Details:**

-APCO FullView, FV_1711(V) 11"(w) x 17"(h)

- FS300 series vertical insert, double-sided

-Natural Satin Anodized

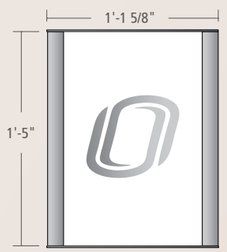



**N-1**
Insert Notice

**Construction Details:**

-APCO FullView, FV_1185(V) 8 1/2"(w) x 11"(h)

-Decorative sidebar profiles: Contour shape, Natural Satin Anodized




**N-1b**
Insert Notice

**Construction Details:**

-APCO FullView, FV_1711(V) 11"(w) x 17"(h)

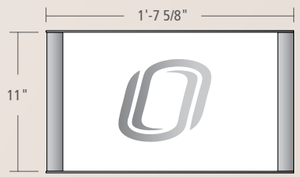
-Decorative sidebar profiles: Contour shape, Natural Satin Anodized


**N-1a**
Insert Notice

**Construction Details:**

-APCO FullView, FV_8511(V) 11"(w) x 8 1/2"(h)

-Decorative sidebar profiles: Contour shape, Natural Satin Anodized




**N-1c**
Insert Notice

**Construction Details:**

-APCO FullView, FV_1117(V) 17"(w) x 11"(h)

-Decorative sidebar profiles: Contour shape, Natural Satin Anodized

## FABRICATION SPECIFICATIONS: INTERIOR 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 Fabricator. 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 UNO. The Fabricator shall 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 UNO has received written request for approval. Fabricator may recommend equal or better equipment or method, but will be required, prior to a quote submittal, 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. UNO'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 review and installation.

**F. 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.

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 pricing.

1. 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.

2. Except where approved otherwise by UNO, conceal fasteners.

3. 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 undersized 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.

4. Non-welded joints between various portions of signs must have a tight, hairline-type appearance, without gaps unless a reveal dimension has been called for or approved. Provide sufficient fastenings to preclude looseness, racking, or similar movement.

5. Non-illuminated inserts will minimally be printed at 1200 DPI using pigment-based UV inks on a white, satin finish UV-coated photo paper, with a matte UV over-laminate (unless otherwise noted in the design intent drawings). The thickness of the photo paper must be heavy enough such that no wrinkles or waves will occur once installed into the sign housings. If necessary, rigid backers may be used. All paper inserts to be produced by UNO unless specifically stated in bid documents.

6. For sign types required to sit behind a non-glare front lens or "window", this window must be of not greater thickness than 0.100" and must be a premium non-glare product equal to or exceeding Calsak Acrycast LX cast acrylic sheet, free from surface imperfections or ripples.

7. All enclosures or housings of message inserts must have fabrication tolerances such that the message inserts touch or remain not more than 1/32" from the inside face of the window.

8. Any insert designed for a given sign type must fit properly into all same sign types.

9. It will be the Fabricator's responsibility to generate all messages, including necessary tactile and Grade 2 Braille, from the message schedule. UNO will not produce graphic files for all sign messaging.

**G. Fonts/Typefaces**
The fonts used for this project were selected specifically for this project by the 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 components, 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 foot marks. 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 vector art files. 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. Electronic templates for all sign types shall be supplied to UNO by the successful Bidder, thus allowing UNO to reproduce paper inserts as needed. UNO shall also receive training from the successful bidder on using the templates to insure consistent quality and adherence to standards in insert production. Templates are to be created in a PC compatible format, using either a common off the shelf program such as Microsoft WORD or Adobe Illustrator, or proprietary software that the successful Bidder will supply UNO and instruct them on how to use the program as part of the installation package.

9. All tactile and Grade 2 Braille characters are to be created using the photopolymer or raster dot method as dictated by ADA code requirements.

**H. Site Visit**
Prior to installation of the signs, the Fabricator is to visit the proposed site to observe existing conditions and verify all signage required and its location with UNO/General Contractor. Site-verify all locations to determine special requirements. The Fabricator must contact UNO prior to the start of installation to coordinate with other trades performing work on site.

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.

**I. Mounting**
All signs to be mounted level and true, and within the guidelines of the Americans with Disabilities Act (ADA) and other local codes, where applicable. All exposed hardware is to be touch-up painted on site as required.

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, and as long as it does not require that exposed surfaces or structure of the architectural space (that may have been prepared for signage) be redone.

All signage products must be installed such that there are no misalignments between visible components. It will be the responsibility of the Fabricator to correct any installation misalignments at no charge.

It is the responsibility of the Fabricator to work with UNO to review all sign locations and ensure that every location has the necessary blocking for safe and secure mounting. Where additional blocking is needed, the Fabricator is responsible for recommending changes and additional associated costs, and is to receive approval prior to beginning installation.

Fabricator and their installers are expected to have knowledge of ADA mounting guidelines and other applicable local codes, general sign locating practices, and any particular unique installations defined by UNO. It is UNO’s desire that the Fabricator follow these guidelines and regulations 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 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.

**J. Punch List**
It is required that the Fabricator 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.

**K. Warranty**
The Fabricator 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 and materials including, but not limited to:

- Assemblies not remaining true and plumb on their supports, mountings giving way or loosening, and separation of components;
- Fading and discoloration of the colors and finishes within the vinyl and paint manufacturer's stated warranty period;
- Peeling, delamination or warping ("oil canning"); and
- Repair and reinstallation of signage due to failed mountings.

Fabricator shall also extend in writing to UNO all manufacturers' warranties.

**L. Repair or Replacement**
Without additional cost to UNO the Fabricator shall repair or replace, including installation, any defective signs or hardware that develop during the warranty period and repair any damage to other work due to such imperfections. 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) submitted to the Fabricator upon award of contract.

**M. 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. Removable panels (where applicable)

   vii. 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 and one kept in UNO's records.

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.

# GRAPHIC STANDARDS

## MATERIALS AND FINISHED

Fabricator is responsible for supplying samples for all colors within the palette.

| | 01 Metallic Silver | 02 Dark Grey | 03 White | 04 Red | 05 Black |
|---|---|---|---|---|---|
| Matthews Paint: | Anodized Aluminum Finish<br>MP18128 Saab Silver Metallic | MP42359 Vine Charcoal | MP27386 Verizon White | MP00225 Rose Petal | MP33764 Black Indigo |

**Fabricator is responsible for matching all colors and materials as specified and are required to provide color and material samples to UNO 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 MPC Matthews Paint and Akzo Nobel Paint Company are to be the standard reference.

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

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

## TYPOGRAPHY (Editable)

Fabricator is responsible for acquiring project related fonts.

**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**

**Gotham - Bold**

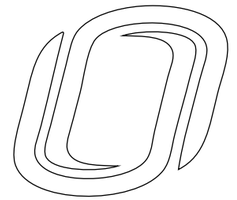
**Aa Bb Cc Dd Ee Ff Gg Hh Ii Jj Kk Ll Mm Nn Oo**
**Pp Qq Rr Ss Tt Uu Vv Ww Xx Yy Zz 1234567890**

**Gotham Narrow - 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

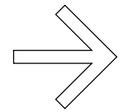
## LOGOS AND SYMBOLS

Designer will provide vector artwork for all project related logos and symbols



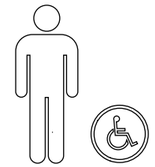
**UNO academic icon**


**UNO system logo**

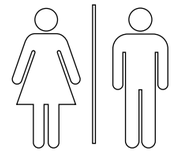


**Guide arrow**

**Women barrier-free restroom**



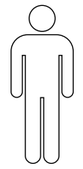
**Men barrier-free restroom**



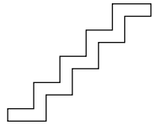
**Restroom**

**Barrier-free restroom**

**Women restoom**

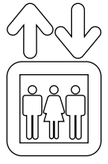


**Men restoom**



**Stairs**

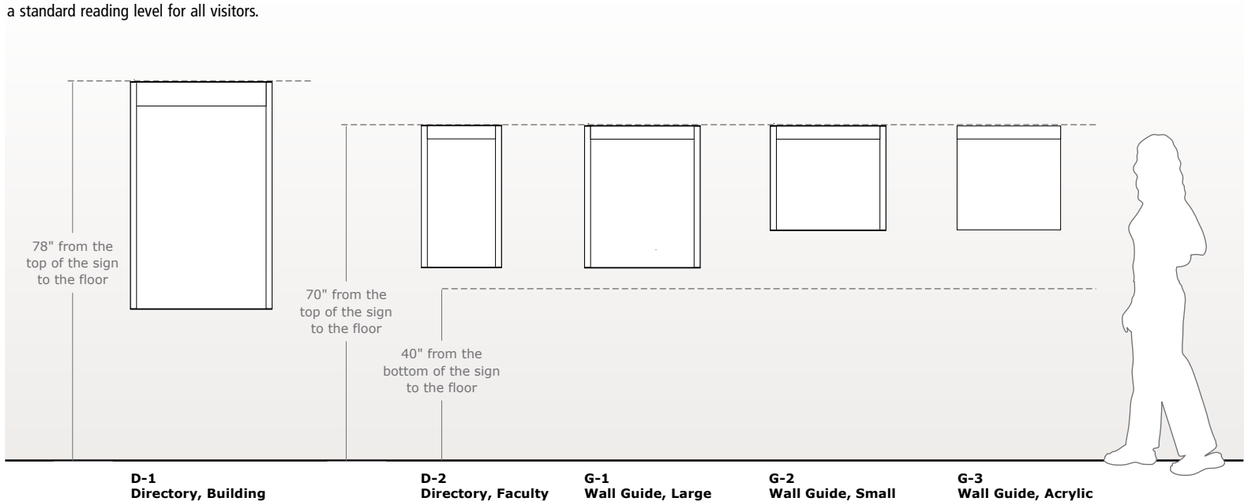
**Accessible Restroom**



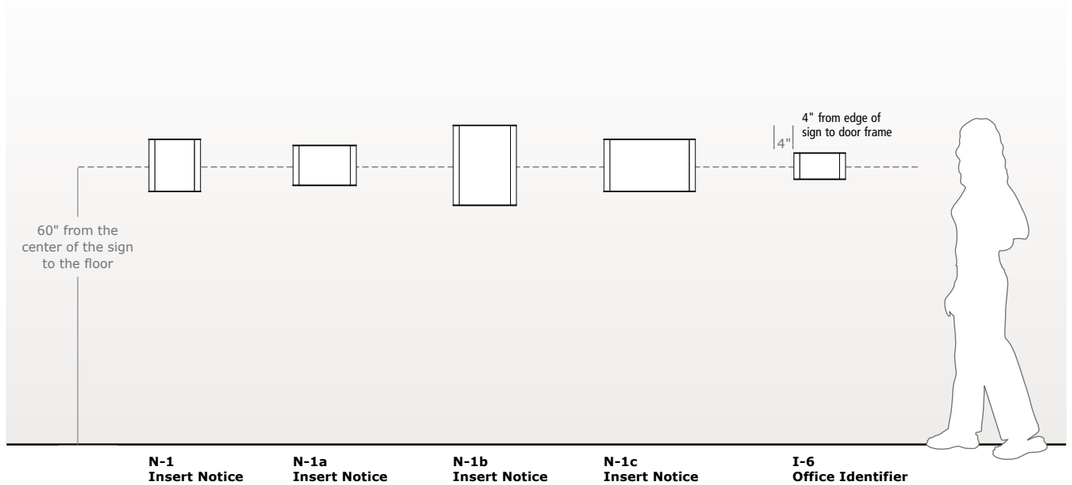
**Elevator**

## MOUNTING GUIDELINES

The following signs are installed between 40" to 70" from the top of the sign to the floor. This places important wayfinding information at a standard reading level for all visitors.

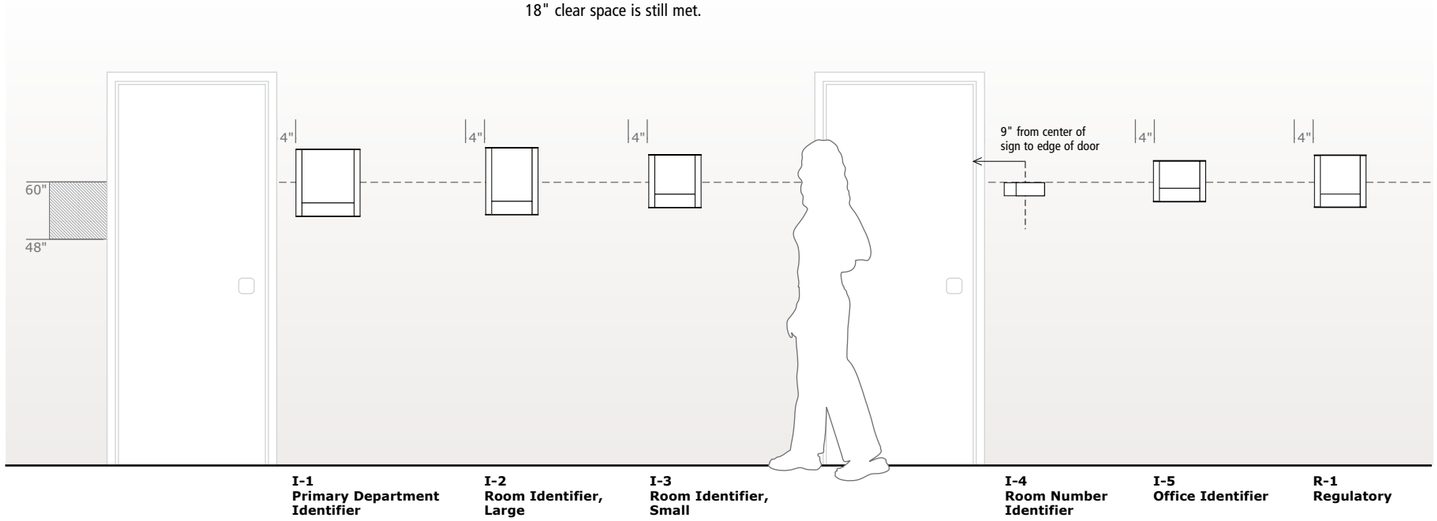



The following public notice signs are installed 60" from the center of the sign to the floor.




ADA requires that tactile characters on a sign be mounted between 48" and 60" from the tactile character baseline to the floor. Mounting most wayfinding signs at 60" to the center of the sign is the optimal location for the average user to read and distinguish each sign clearly.

In the case where the door swings toward the visitor, signs must be installed a minimum of 9" from the center of the tactile message to the edge of the door. If the sign is more than 10" wide, install the sign a standard distance of 4" from the door frame, assuming that the 18" clear space is still met.




NOTE: The Mounting Guideline pages are provided as a reference only. These guidelines are an interpretation of the 2011 ADA Standards for Accessible Design, and are not to be construed as legal advice concerning compliance with any law or regulation.

ADA states that tactile room identification signs shall be installed on the latch side of the door (Illustration 1A). In the case of a double door, the sign shall be installed on the inactive leaf of the door (Illustration 1B). If both doors are active, then the sign is installed to the right of the right hand door. If there is no space on the latch side of the door, or to the right side of the double doors, then the sign is to be installed on the nearest adjacent wall space (Illustration 1C).

ILLUSTRATION 1A

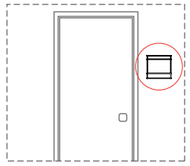


ILLUSTRATION 1B

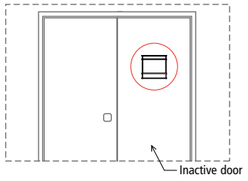
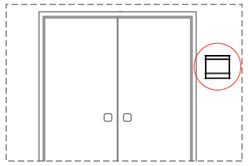
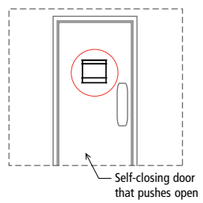



ILLUSTRATION 1C



Signs with tactile characters may be installed on the push side of a door (doors that open into the room, not into the circulation space), so long as the door has a closer and is not on a hold-open device. For example, restroom doors that push open into the restroom, and the door automatically closes, may have the tactile identification sign installed on the door. (Illustration 2)

ILLUSTRATION 2




Note that tactile signs must be installed such that a clear floor space of 18 inches by 18 inches, centered on the tactile copy, is provided outside of the swing of a door. (Illustration 3A and 3B)

ILLUSTRATION 3A

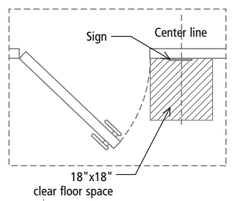
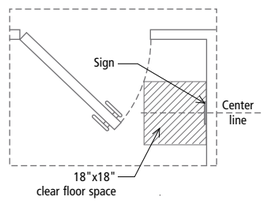
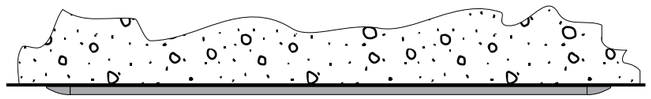
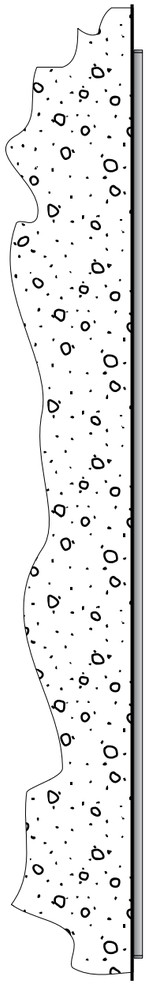



ILLUSTRATION 3B

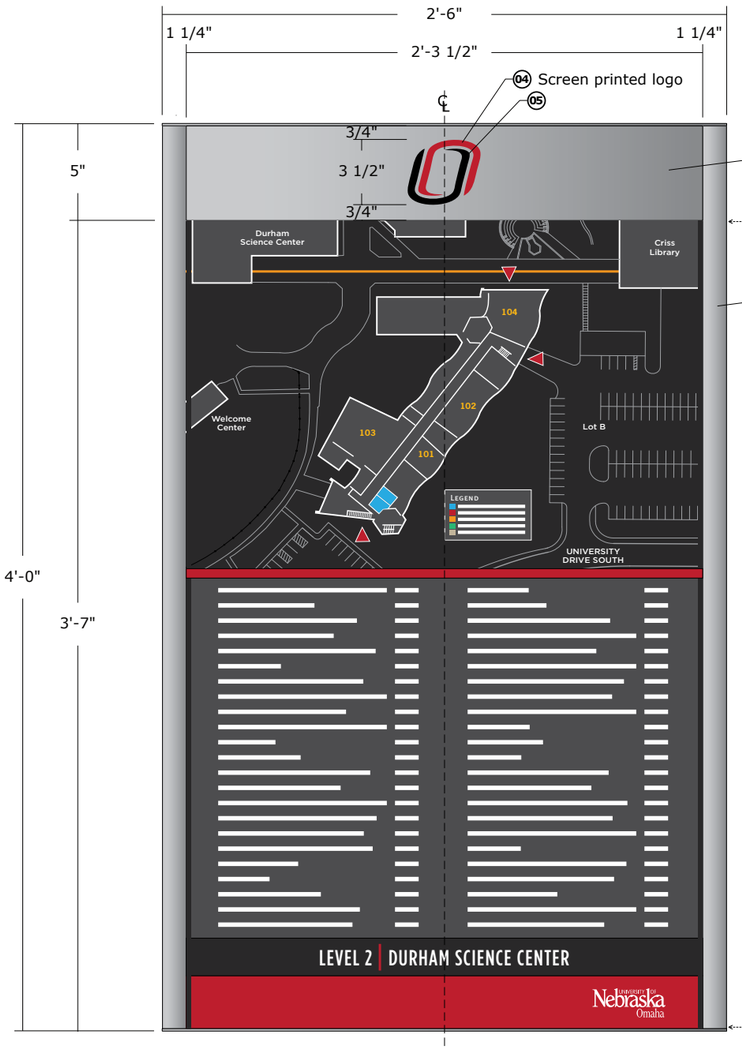




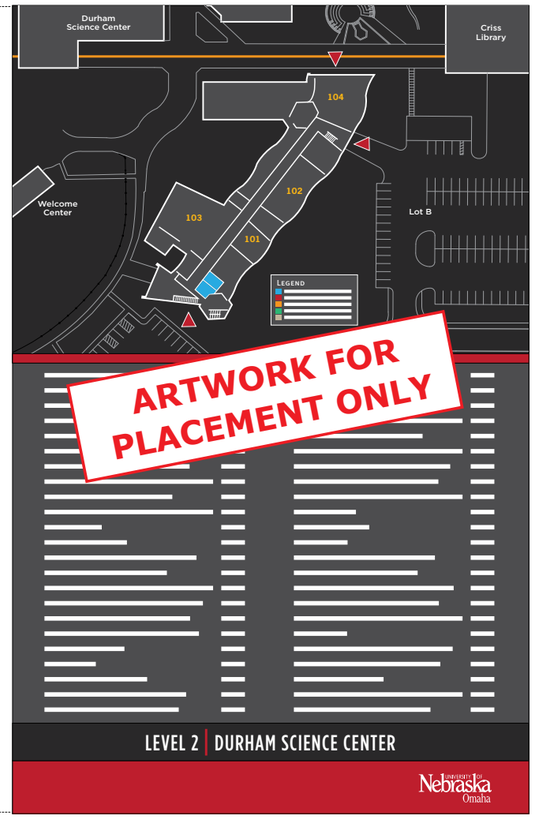
**Top view**



**Side view**




**Front view**




**Printed Paper Insert**

**Construction Details:**
-APCO FullView, large format acrylic display
-Decorative sidebar profiles: Contour shape, Natural Satin Anodized
-Removable acrylic window and printed insert

**Paper Details:**
-Printed at 1200 DPI using pigment-based UV inks
-White, satin finish UV-coated photo paper with matte UV over-laminate
-Thickness of paper to be heavy enough to prevent wrinkles or waves once installed

**Sign Type**

**D-1**
Building Directory

**Scale**

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

**Color Code**

**Notes**

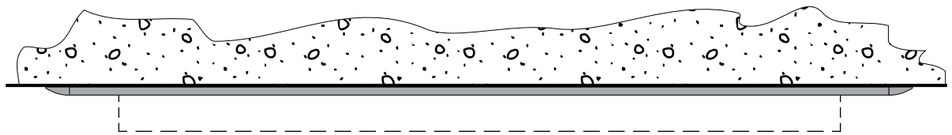
This drawing is design-intent only. Fabricator is responsible for fabrication and overall level of quality. Any changes in design, materials, fabrication method or other details must be approved by Corbin Design and the University of Nebraska Omaha.

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

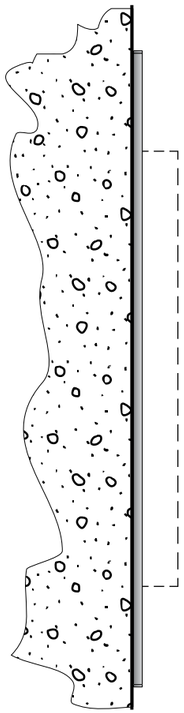
**Client**

**University of Nebraska at Omaha**

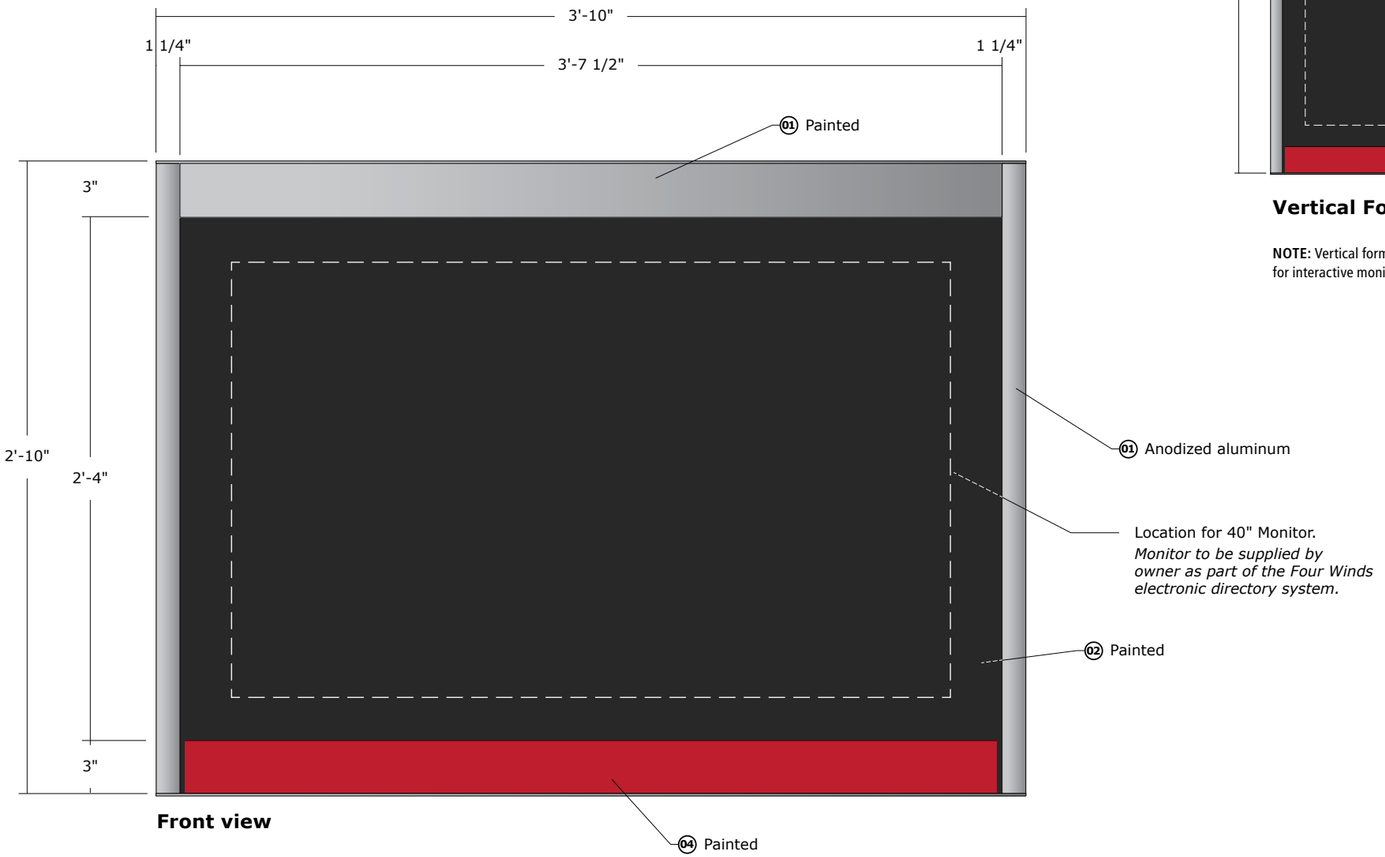
corbindesign
109 East Front Suite 304
Traverse City, MI 49684
231 947.1236



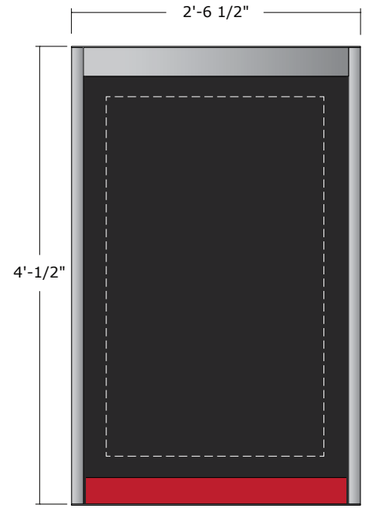
**Top view**



**Side view**




**Front view**




**Vertical Format**

**NOTE:** Vertical format is the default standard for interactive monitors.

**Construction Details:**
-APCO FullView, large format acrylic display
-Decorative sidebar profiles: Contour shape, Natural Satin Anodized
-Permanent painted aluminum background panel

**Sign Type**

**D-1a**
Monitor Display Frame

**Scale**

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

**Color Code**

**Notes**

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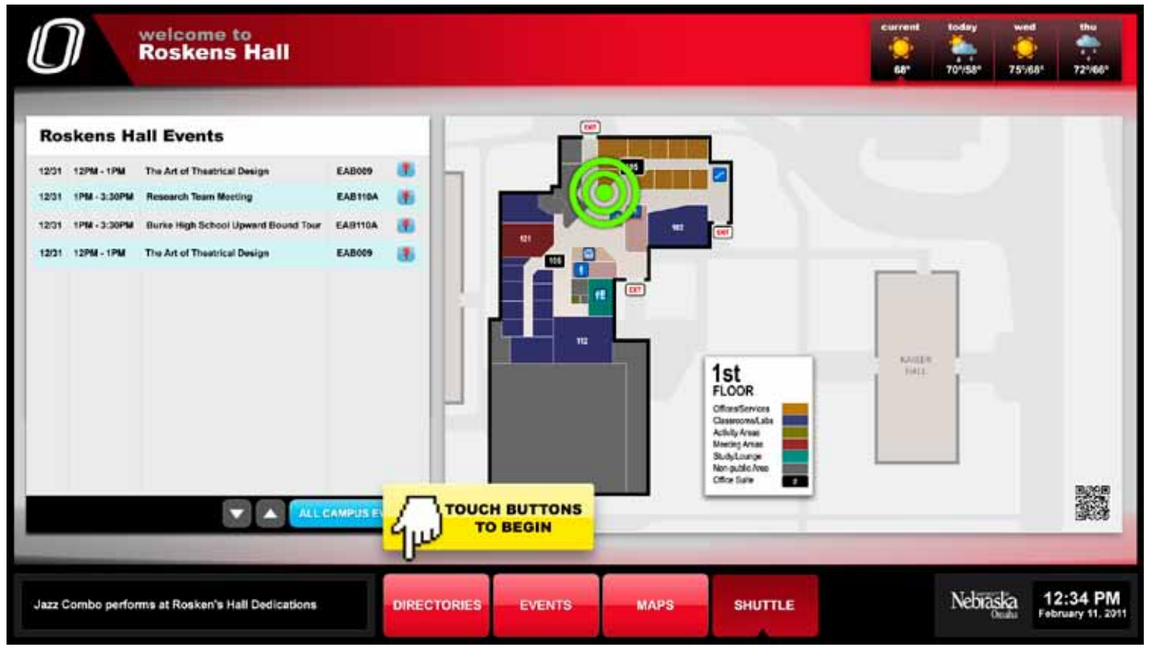
**Date** **Description**

**Client**

**University of Nebraska at Omaha**

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

**NOTE:** Vertical format is the default standard for interactive monitors.





| | | |
|---|---|---|
| Offices/Services | | (5.1:1) #906700 |
| Classrooms/Labs | | (11.6:1) #333366 |
| Activity Areas | | (6.1:1) #666600 |
| Meeting Areas | | (8.9:1) #622424 |
| Study/Lounge | | (5.3:1) #177A6C |
| RestRoom | | #B19490 |
| stair/elevator | | #C2AD9C |

**Layouts and programming provided by Four Winds Interactive**

**Sign Type**

Monitor Content Layout

**Scale**

not to scale

**Color Code**

**Notes**

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**Date** **Description**

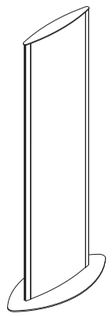
**Client**

**University of Nebraska at Omaha**

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

**All products on this page manufactured by APCO**

## Series 3200



| Width | Standard Heights | Base O.D. | Code |
|---|---|---|---|
| 11" (280mm) | 48" (1220mm) | 22" x 10" x 1/8" | **ARFS48-280** |
| | 60" (1524mm) | 22" x 10" x 1/8" | **ARFS60-280** |
| 17" (430mm) | 48" (1220mm) | 27-5/8" x 12 5/8" x 1/8" | **ARFS48-430** |
| | 60" (1524mm) | 27-5/8" x 12 5/8" x 1/8" | **ARFS60-430** |
| | 66" (1676mm) | 27-5/8" x 12 5/8" x 1/8" | **ARFS66-430** |
| 22" (560mm) | 60" (1524mm) | 28-5/16" x 14-5/8" x 1/8" | **ARFS60-560** |
| | 66" (1676mm) | 28-5/16" x 14-5/8" x 1/8" | **ARFS66-560** |
| | 72" (1829mm) | 28-5/16" x 14-5/8" x 1/8" | **ARFS72-560** |
| | 78" (1981mm) | 28-5/16" x 14-5/8" x 1/8" | **ARFS78-560** |
| | 84" (2134mm) | 28-5/16" x 14-5/8" x 1/8" | **ARFS84-560*** |

**Poster Displays**
Standard Insert Sizes
¥ 8-1/2" x 11" Landscape
¥ 11" x 17" Portrait
¥ 11" x 17" Landscape
¥ 22" x 22"

**Literature Holders**
Fully modular and adjustable to accomodate a wide range of brochure and pamphlet sizes or other materials.

**Directories / Directionals**
Featuring a range of modular, injection molded message strips

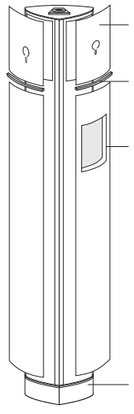
**Custom Configurations**
¥ Full Sheet Graphics
¥ POP Displays
¥ Miscellaneous

**Standard Base Colors/Finishes**

280mm (11")
Powder Coated Steel
¥ Silver
Painted
¥ 44+ Standard
¥ Custom

430mm (17") & 560mm (22")
Powder Coated Steel
¥ Silver
¥ Black
Painted
¥ 44+ Standard
¥ Custom

## Series 3300




| Width | Heights | Code |
|---|---|---|
| 11" (280mm) | Variable | **AR3300__-280** |
| 17" (430mm) | Variable | **AR3300__-430** |
| 22" (560mm) | Variable | **AR3300__-560** |

**Standard Frame Finishes**
Natural Satin Anodized
Painted
¥ 44+ Standard
¥ Custom

**Optional Divider Bar Finishes**
Natural Satin Anodized
Polished Stainless Steel
Painted (not recommended)

**Kickplate Finishes**
Natural Satin Anodized
Polished Stainless Steel
Painted (not recommended)

**Optional LCD Bezel Finishes**
Natural Satin Anodized
Polished Stainless Steel

**Sign Type**

**D-1b**
Freestanding
Monitor Display

**Scale**

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

**Color Code**

**Notes**

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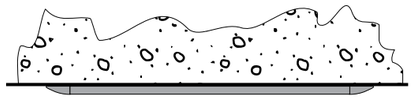
**Date** **Description**

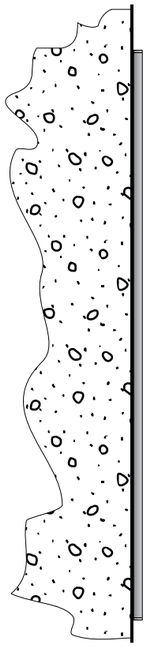
**Client**

**University of Nebraska at Omaha**

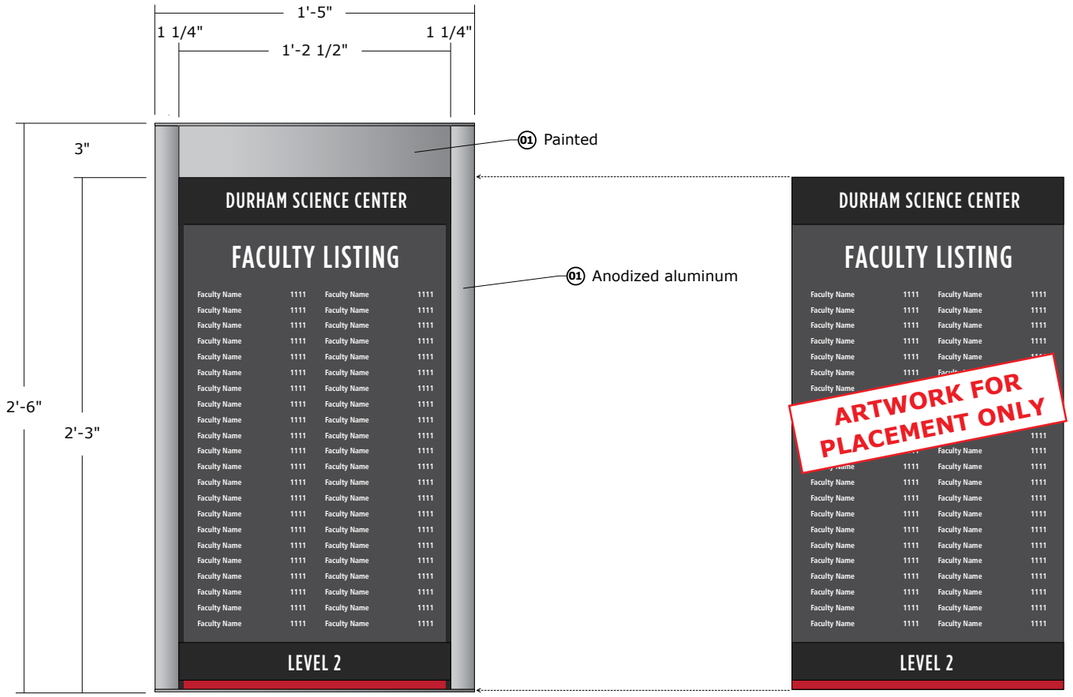
corbindesign
109 East Front Suite 304
Traverse City, MI 49684
231 947.1236



**Top view**



**Side view**




**Front view**




**Printed Paper Insert**

**Construction Details:**
-APCO FullView, large format acrylic display
-Decorative sidebar profiles: Contour shape, Natural Satin Anodized
-Removable acrylic window and printed insert

**Paper Details:**
-Printed at 1200 DPI using pigment-based UV inks
-White, satin finish UV-coated photo paper with matte UV over-laminate
-Thickness of paper to be heavy enough to prevent wrinkles or waves once installed

**Sign Type**

**D-2**
Faculty Directory

**Scale**

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

**Color Code**

**Notes**

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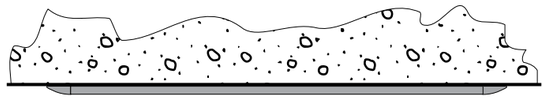
**Date** **Description**

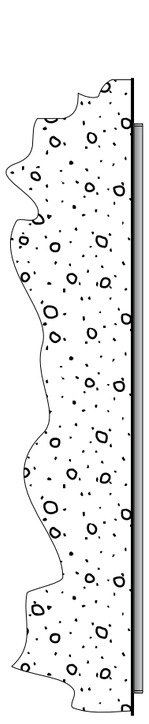
**Client**

**University of Nebraska at Omaha**

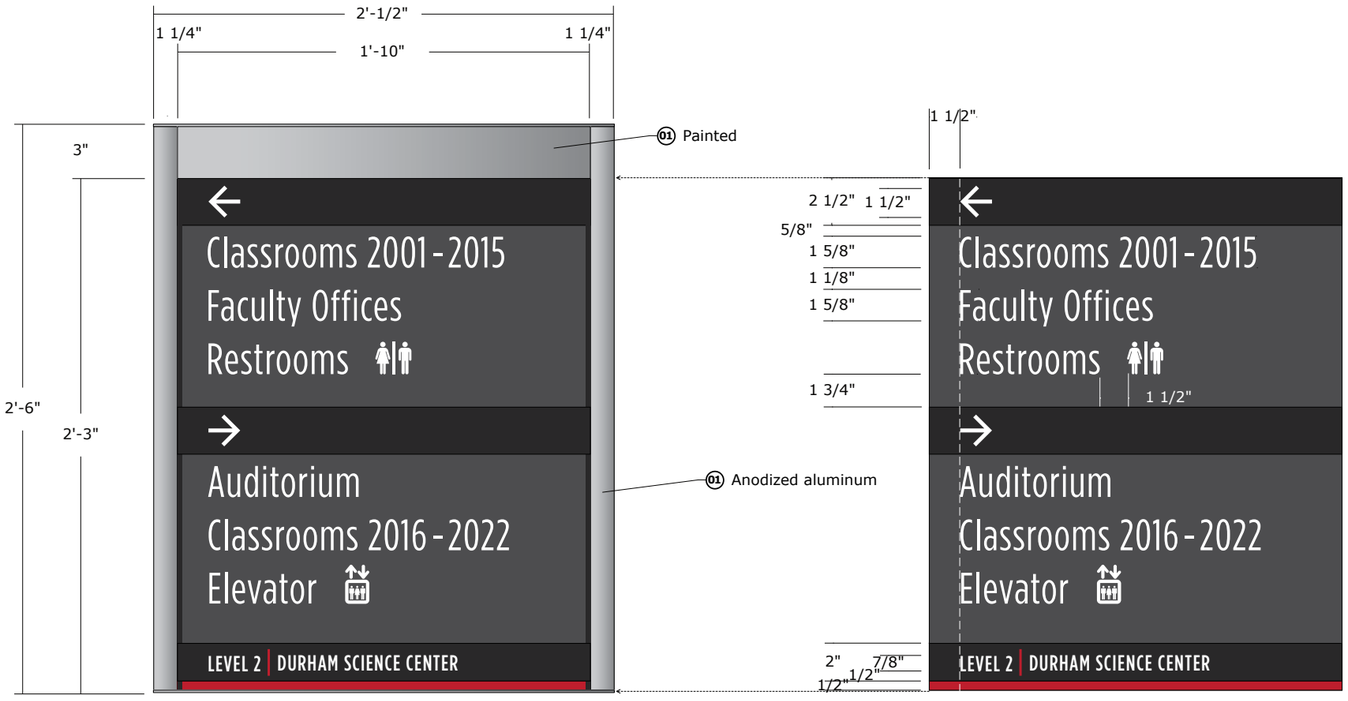
corbindesign
109 East Front Suite 304
Traverse City, MI 49684
231 947.1236



**Top view**



**Side view**




**Front view**




**Printed Paper Insert**

**Construction Details:**
-APCO FullView, FV_3022(V)MF 22"(w) x 30"(h)
-Decorative sidebar profiles: Contour shape, Natural Satin Anodized
-Removable acrylic window and printed insert

**Paper Details:**
-Printed at 1200 DPI using pigment-based UV inks
-White, satin finish UV-coated photo paper with matte UV over-laminate
-Thickness of paper to be heavy enough to prevent wrinkles or waves once installed

**Sign Type**

**G-1**
Wall Guide, Large

**Scale**

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

**Color Code**

**Notes**

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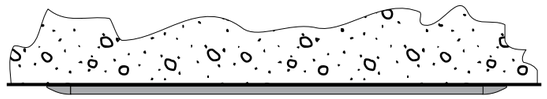
**Date** **Description**

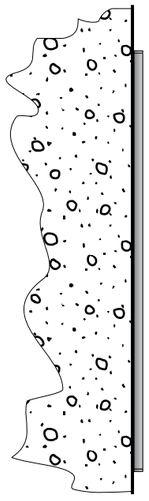
**Client**

**University of Nebraska at Omaha**

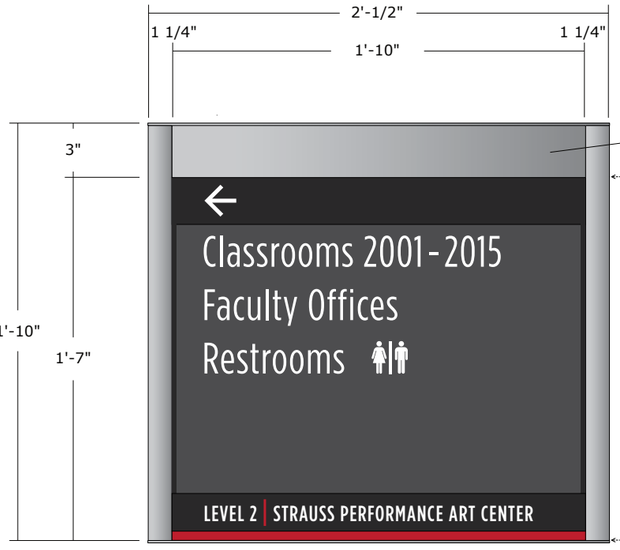
corbindesign
109 East Front Suite 304
Traverse City, MI 49684
231 947.1236



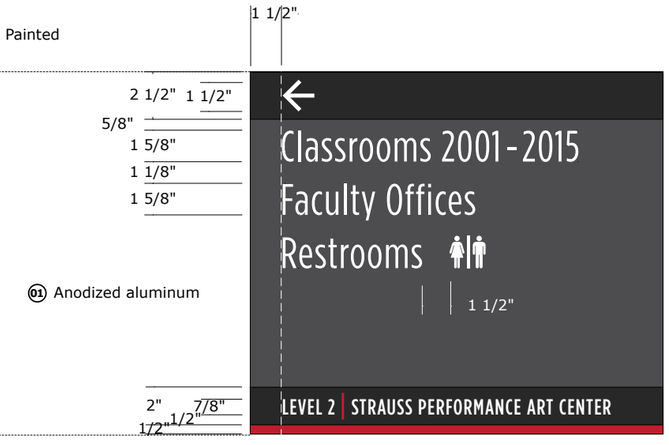
**Top view**



**Side view**




**Front view**




**Printed Paper Insert**

**Construction Details:**
-APCO FullView, FV_2222(V)MF 22"(w) x 22"(h)
-Decorative sidebar profiles: Contour shape, Natural Satin Anodized
-Removable acrylic window and printed insert

**Paper Details:**
-Printed at 1200 DPI using pigment-based UV inks
-White, satin finish UV-coated photo paper with matte UV over-laminate
-Thickness of paper to be heavy enough to prevent wrinkles or waves once installed

**Sign Type**

**G-2**
Wall Guide, Small

**Scale**

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

**Color Code**

**Notes**

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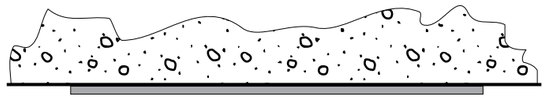
**Date** **Description**

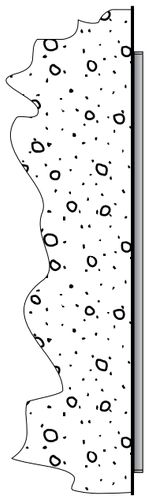
**Client**

**University of Nebraska at Omaha**

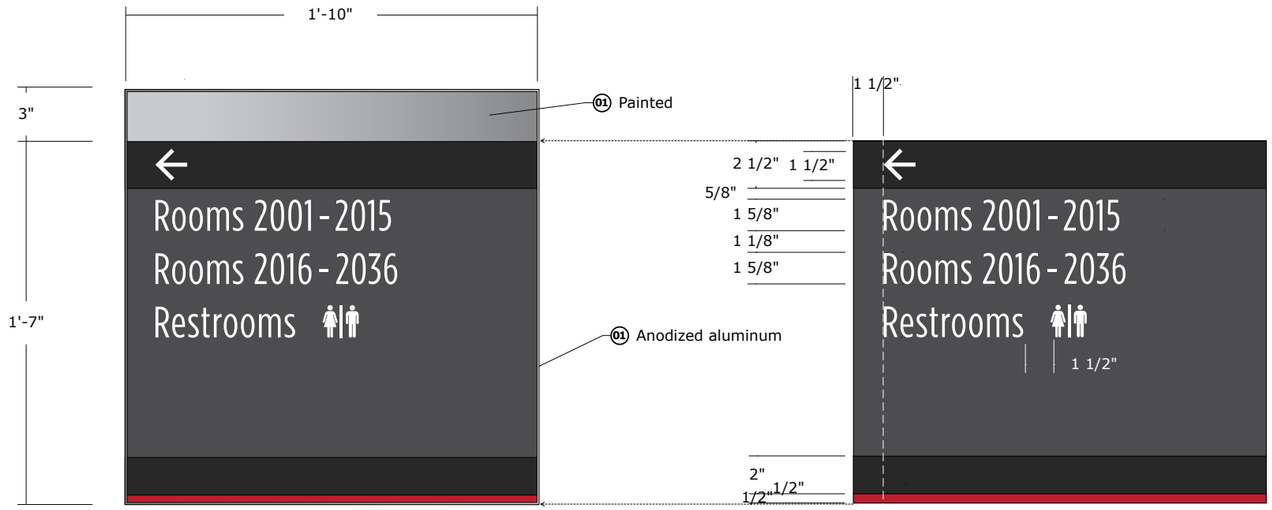
corbindesign
109 East Front Suite 304
Traverse City, MI 49684
231 947.1236



**Top view**



**Side view**




**Front view**




**Printed Paper Insert**

**Construction Details:**
-Acrylic window insert
-Removable printed insert

**Paper Details:**
-Printed at 1200 DPI using pigment-based UV inks
-White, satin finish UV-coated photo paper with matte UV over-laminate
-Thickness of paper to be heavy enough to prevent wrinkles or waves once installed

**Sign Type**

**G-3**
Wall Guide, Acrylic

**Scale**

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

**Color Code**

**Notes**

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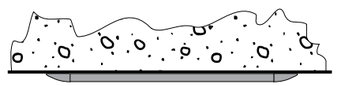
| Date | Description |
|---|---|

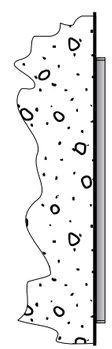
**Client**

**University of Nebraska at Omaha**

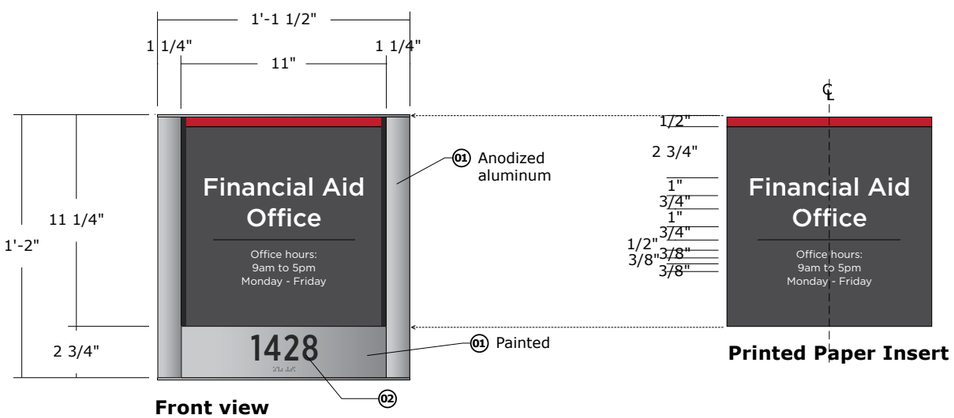
corbindesign
109 East Front Suite 304
Traverse City, MI 49684
231 947.1236



**Top view**



**Side view**

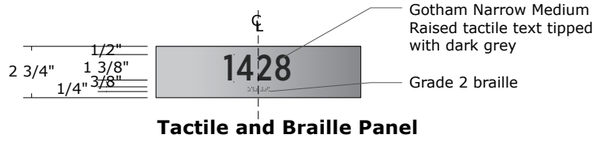



**Front view**

**Printed Paper Insert**

**Paper Details:**
-Printed at 1200 DPI using pigment-based UV inks
-White, satin finish UV-coated photo paper with matte UV over-laminate
-Thickness of paper to be heavy enough to prevent wrinkles or waves once installed

**Construction Details:**
-APCO FullView, FV_1411(V) 11"(w) x 14"(h)
-Decorative sidebar profiles: Contour shape, Natural Satin Anodized
-Removable acrylic window and printed insert and tactile and Braille panel




**Tactile and Braille Panel**

**Sign Type**

**I-1**
Primary Department Identifier

**Scale**

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

**Color Code**

**Notes**

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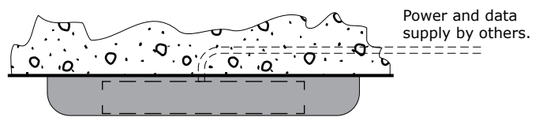
**Date** **Description**

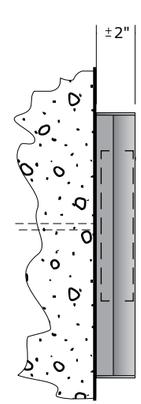
**Client**

**University of Nebraska at Omaha**

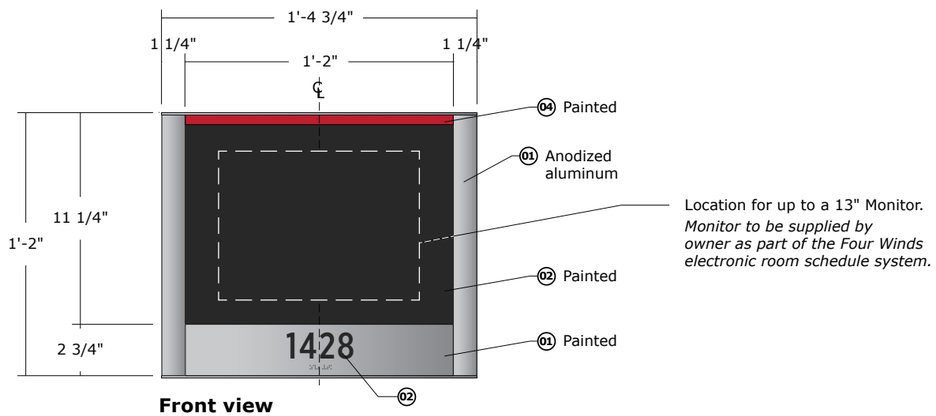
corbindesign
109 East Front Suite 304
Traverse City, MI 49684
231 947.1236




**Top view**




**Side view**



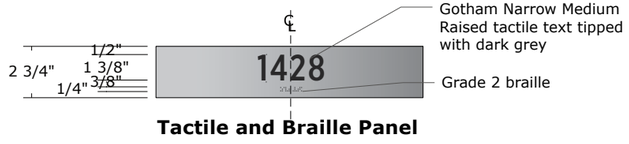

**Front view**

**Construction Details:**

-APCO FullView, large format acrylic display

-Decorative sidebar profiles: Contour shape, Natural Satin Anodized

-Permanent painted aluminum background panel




**Tactile and Braille Panel**

**Sign Type**

**I-1a**
Room Monitor
Display Frame

**Scale**

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

**Color Code**

**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 the University of Nebraska Omaha.

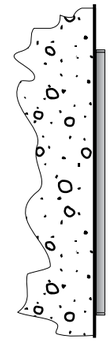
| Date | Description |
|---|---|

**Client**

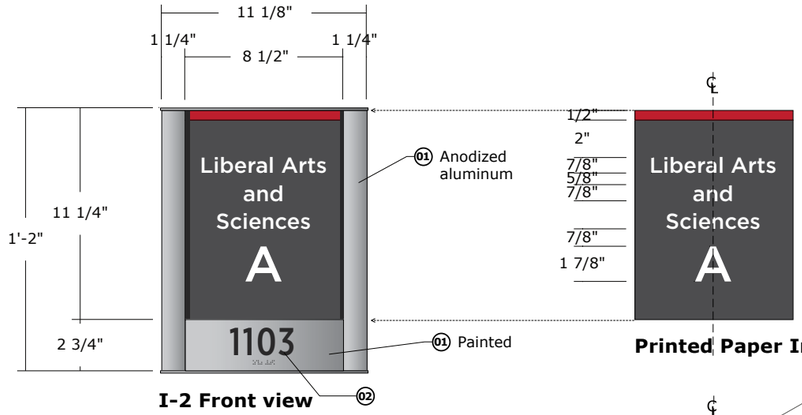
**University of Nebraska at Omaha**

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

**Top view**



**Side view**




**I-2 Front view**




**Printed Paper Insert**

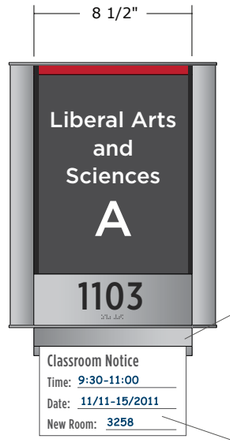
**Paper Details:**

-Printed at 1200 DPI using pigment-based UV inks

-White, satin finish UV-coated photo paper with matte UV over-laminate

-Thickness of paper to be heavy enough to prevent wrinkles or waves once installed


**Tactile and Braille Panel**




**I-2a Front view**

Apco Notifier Bar. Extruded aluminum channel with rollers. Adjusts automatically to grip paper or card stock up to 1/64" thick. Finish to match anodized aluminum.

Temporary Paper insert (provided by others)

**Construction Details:**

-APCO FullView, FV_1485(V) 8 1/2"(w) x 14"(h)

-Decorative sidebar profiles: Contour shape, Natural Satin Anodized

-Removable acrylic window and printed insert and tactile and Braille panel

**Sign Type**

**I-2 and I-2a**
Room Identifier, Large

**Scale**

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

**Color Code**

**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 the University of Nebraska Omaha.

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

**Client**

**University of Nebraska at Omaha**

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109 East Front Suite 304
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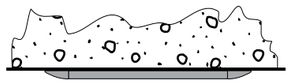
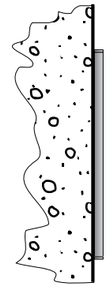
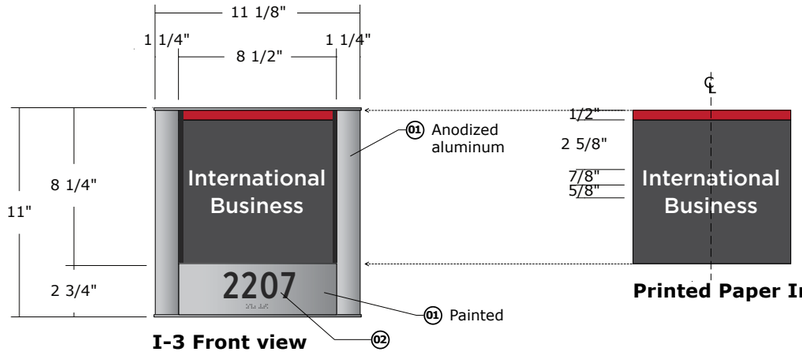
231 947.1236



**Top view**



**Side view**




**I-3 Front view**

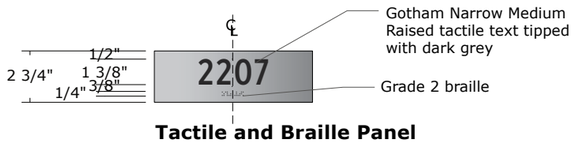
**Printed Paper Insert**

**Paper Details:**

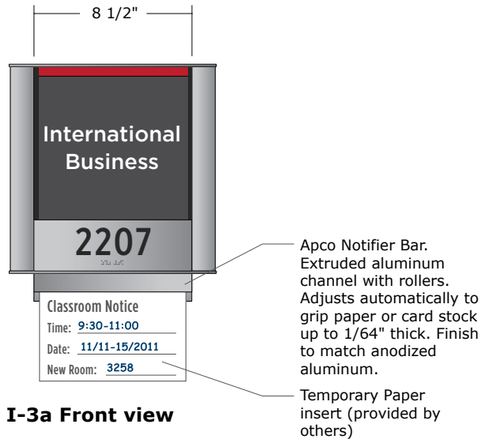
-Printed at 1200 DPI using pigment-based UV inks

-White, satin finish UV-coated photo paper with matte UV over-laminate

-Thickness of paper to be heavy enough to prevent wrinkles or waves once installed




**Tactile and Braille Panel**




**I-3a Front view**

**Construction Details:**

-APCO FullView, FV_1185(V) 8 1/2"(w) x 11"(h)

-Decorative sidebar profiles: Contour shape, Natural Satin Anodized

-Removable acrylic window and printed insert and tactile and Braille panel

**Sign Type**

**I-3 and I-3a**
Room Identifier, Small

**Scale**

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

**Color Code**

**Notes**

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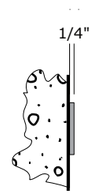
**Date** **Description**

**Client**

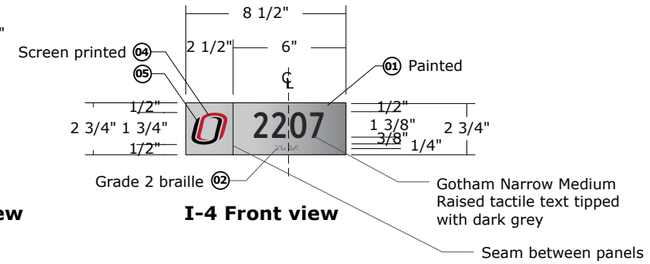
**University of Nebraska at Omaha**

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

**Top view**

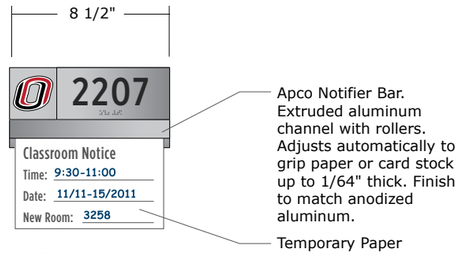



**Side view**



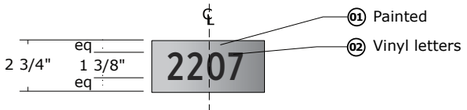

**I-4 Front view**

**Construction Details:**
-Acrylic sign w/ tactile and Braille panel




**I-4a Front view**

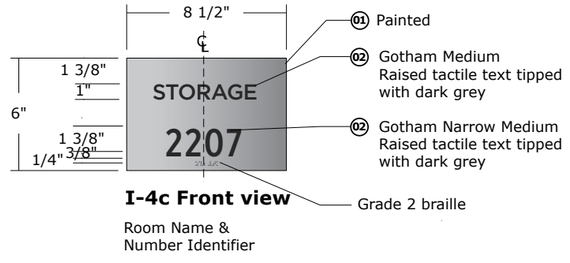
**Construction Details:**
-Acrylic sign w/ tactile and Braille panel




**I-4b Front view**

Door Frame Number
Identifier

**Construction Details:**
-Acrylic sign w/ tactile and Braille panel




**I-4c Front view**

Room Name &
Number Identifier

**Construction Details:**
-Acrylic sign w/ tactile and Braille panel

**Sign Type**

**I-4, I-4a, I-4b and I-4c**
Room Number Identifier

**Scale**

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

**Color Code**

**Notes**

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**Date** **Description**

**Client**

**University of Nebraska at Omaha**

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109 East Front Suite 304
Traverse City, MI 49684
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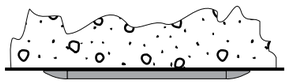
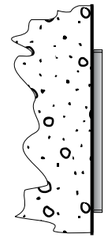
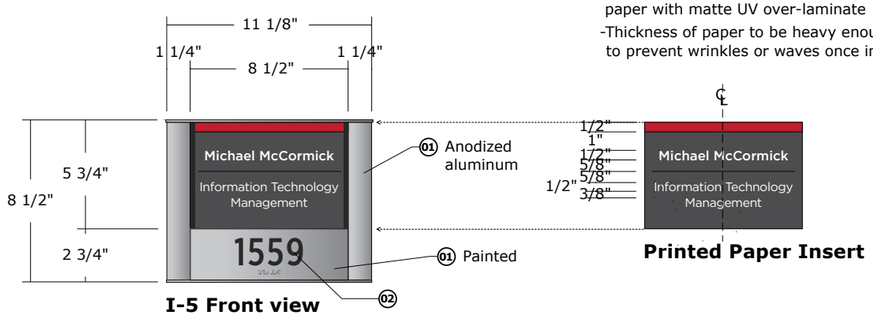


**Top view**



**Side view**




**I-5 Front view**

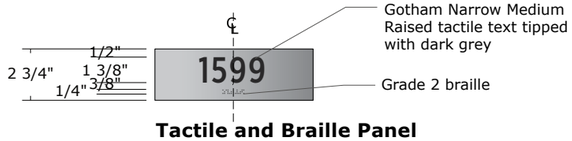
**Printed Paper Insert**

**Paper Details:**

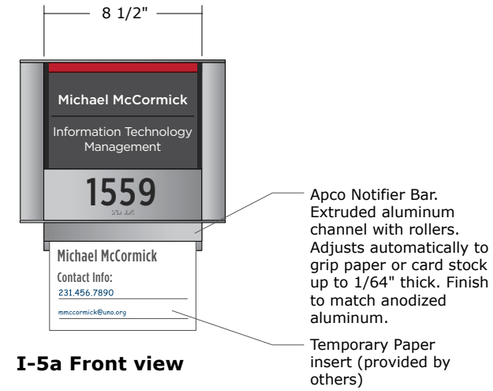
-Printed at 1200 DPI using pigment-based UV inks

-White, satin finish UV-coated photo paper with matte UV over-laminate

-Thickness of paper to be heavy enough to prevent wrinkles or waves once installed




**Tactile and Braille Panel**




**I-5a Front view**

**Construction Details:**

-APCO FullView, FV_8585(V) 8 1/2"(w) x 8 1/2"(h)

-Decorative sidebar profiles: Contour shape, Natural Satin Anodized

-Removable acrylic window and printed insert and tactile and Braille panel

**Sign Type**

**I-5 and I-5a**
Office Identifier

**Scale**

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

**Color Code**

**Notes**

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

**Client**

**University of Nebraska at Omaha**

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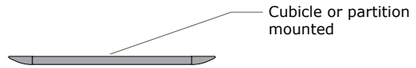
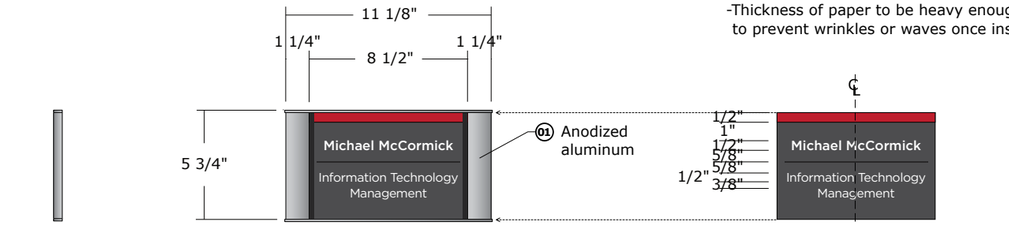



**Top view**

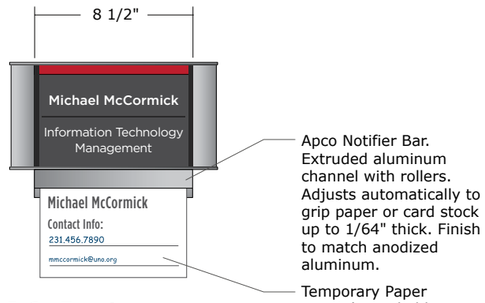
**Paper Details:**
-Printed at 1200 DPI using pigment-based UV inks
-White, satin finish UV-coated photo paper with matte UV over-laminate
-Thickness of paper to be heavy enough to prevent wrinkles or waves once installed




**Side view**

**I-6 Front view**

**Printed Paper Insert**




**I-6a Front view**

Apco Notifier Bar. Extruded aluminum channel with rollers. Adjusts automatically to grip paper or card stock up to 1/64" thick. Finish to match anodized aluminum.

Temporary Paper insert (provided by others)

**Construction Details:**
-APCO FullView, FV_5585(V) 8 1/2"(w) x 5 1/2"(h)
-Decorative sidebar profiles: Contour shape, Natural Satin Anodized
-Removable acrylic window and printed insert

**Sign Type**

**I-6 and I-6a**
Office Identifier, Small

**Scale**

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

**Color Code**

**Notes**

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

**Client**

**University of Nebraska at Omaha**

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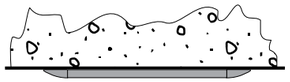
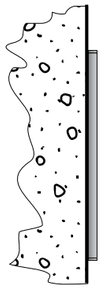
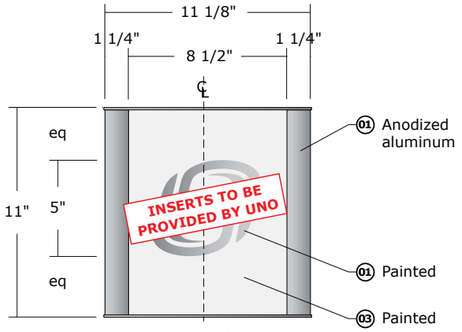
Traverse City, MI 49684
231 947.1236



**Top view**

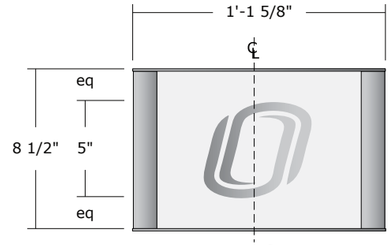


**Side view**



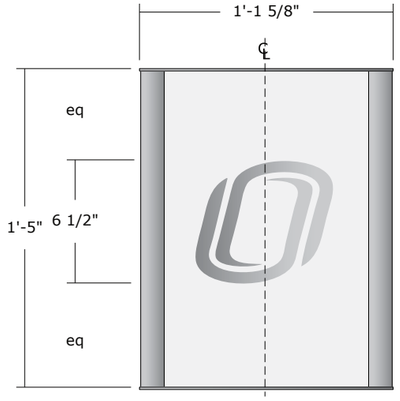

**N-1 Front view**

**Construction Details:**
-APCO FullView, FV_1185(V) 8 1/2"(w) x 11"(h)
-Decorative sidebar profiles: Contour shape, Natural Satin Anodized



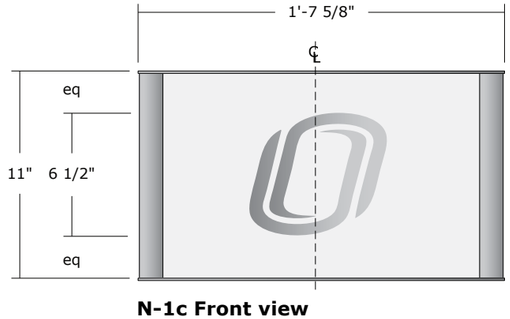

**N-1a Front view**

**Construction Details:**
-APCO FullView, FV_8511(V) 11"(w) x 8 1/2"(h)
-Decorative sidebar profiles: Contour shape, Natural Satin Anodized




**N-1b Front view**

**Construction Details:**
-APCO FullView, FV_1711(V) 11"(w) x 17"(h)
-Decorative sidebar profiles: Contour shape, Natural Satin Anodized




**N-1c Front view**

**Construction Details:**
-APCO FullView, FV_1117(V) 17"(w) x 11"(h)
-Decorative sidebar profiles: Contour shape, Natural Satin Anodized

**Sign Type**

**N-1, N-1a, N-1b & N-1c**
Notice Insert

**Scale**

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

**Color Code**

**Notes**

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**Date** **Description**

**Client**

**University of Nebraska at Omaha**

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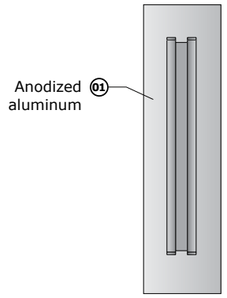
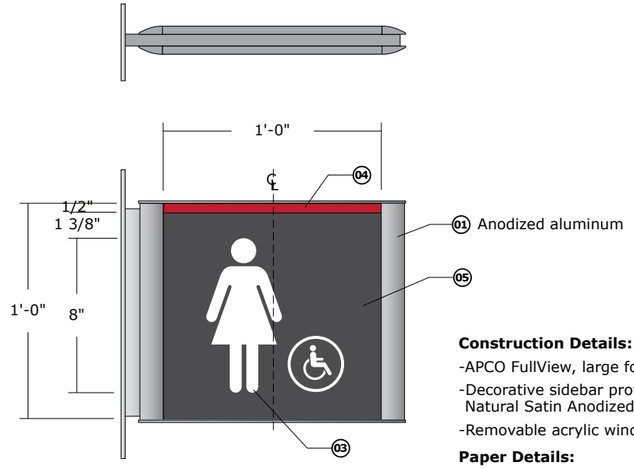
231 947.1236

Wall conditions will vary. Fabricator to field verify all locations prior to installation.




**O-1**
**Side View**




**O-1**
**Projecting Overhead Identifier**
**Front View**

**Construction Details:**

-APCO FullView, large format acrylic display

-Decorative sidebar profiles: Contour shape, Natural Satin Anodized

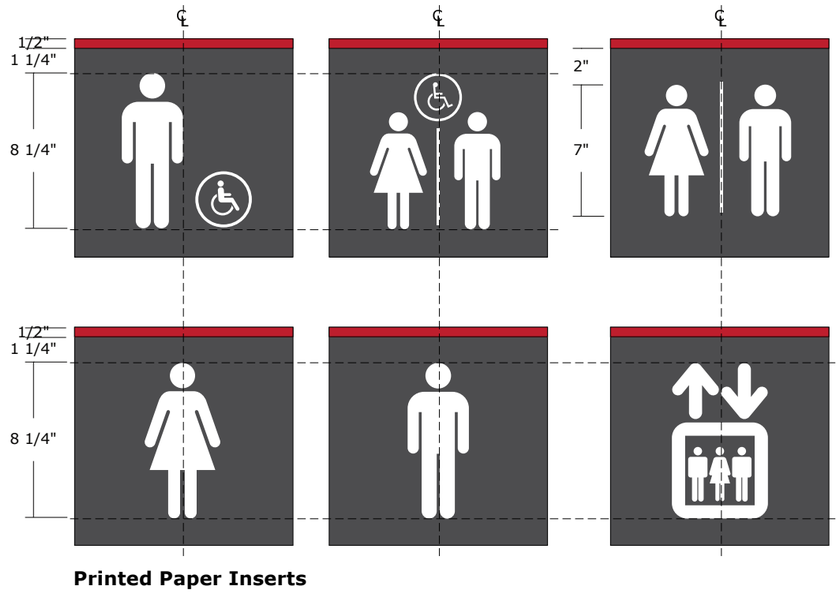
-Removable acrylic window and printed insert

**Paper Details:**

-Printed at 1200 DPI using pigment-based UV inks

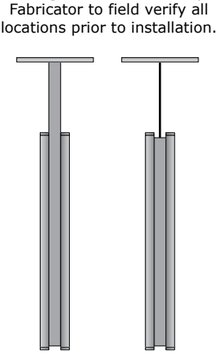
-White, satin finish UV-coated photo paper with matte UV over-laminate

-Thickness of paper to be heavy enough to prevent wrinkles or waves once installed

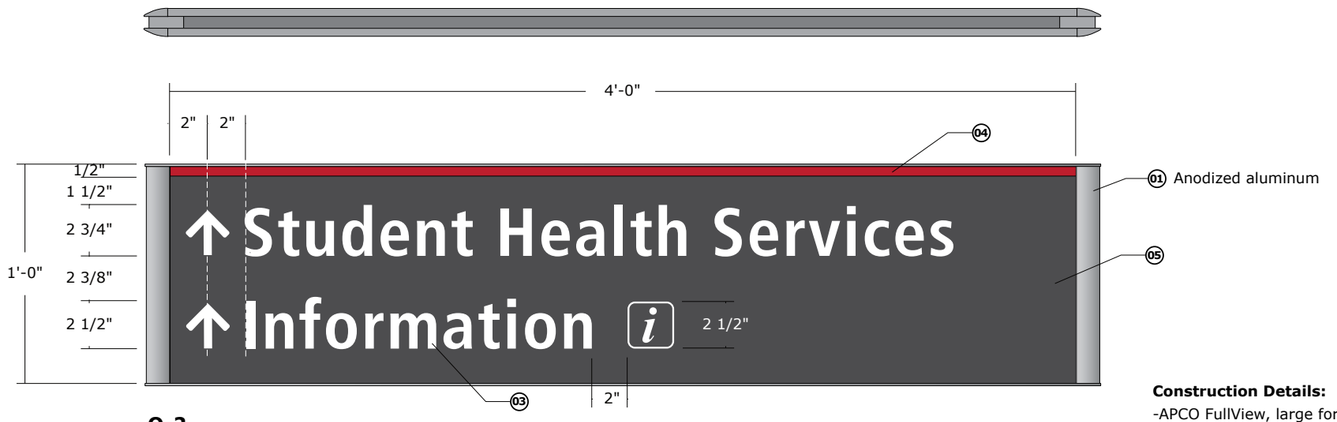



**Printed Paper Inserts**

Ceiling conditions will vary. Fabricator to field verify all locations prior to installation.



**O-2**
**Side View**




**O-2**
**Overhead Guide/Identifier**
**Front View**

**Construction Details:**

-APCO FullView, large format acrylic display

-Decorative sidebar profiles: Contour shape, Natural Satin Anodized

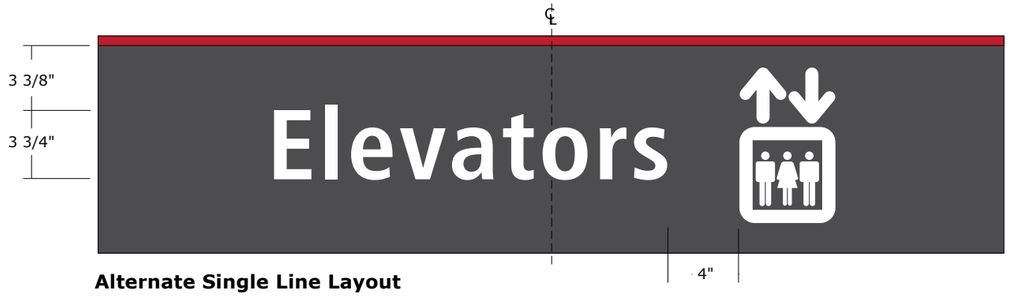
-Removable acrylic window and printed insert

**Paper Details:**

-Printed at 1200 DPI using pigment-based UV inks

-White, satin finish UV-coated photo paper with matte UV over-laminate

-Thickness of paper to be heavy enough to prevent wrinkles or waves once installed




**Alternate Single Line Layout**

**Sign Type**

**O-1 and O-2**
Overhead Signs

**Scale**

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

**Color Code**

**Notes**

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**Date** **Description**

**Client**

**University of Nebraska at Omaha**

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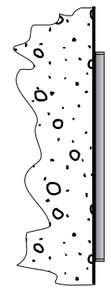
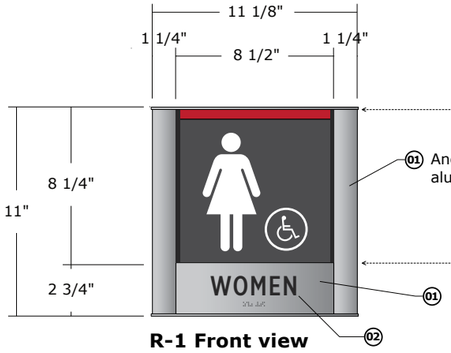
231 947.1236

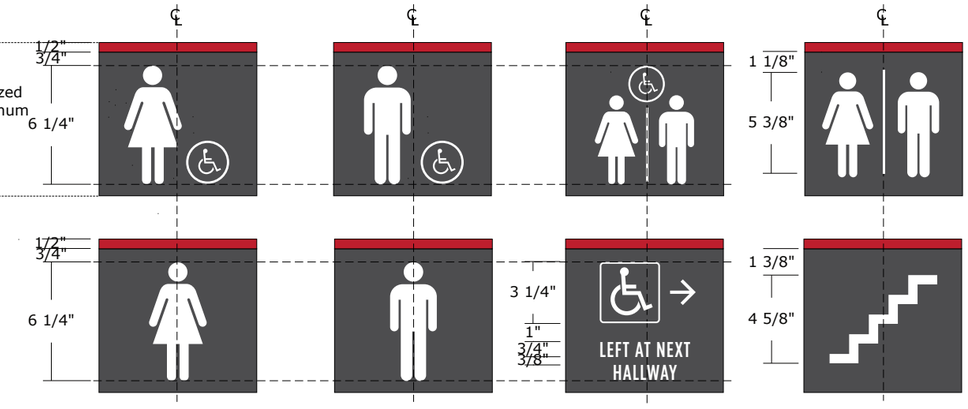
**Top view**



**Side view**

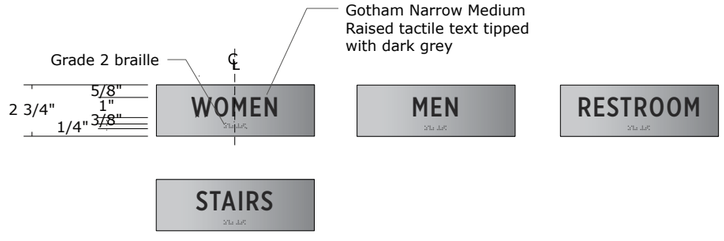



**R-1 Front view**




**Printed Paper Inserts**

**Construction Details:**
-APCO FullView, FV_1185(V) 8 1/2"(w) x 11"(h)
-Decorative sidebar profiles: Contour shape, Natural Satin Anodized
-Removable acrylic window and printed insert and tactile and Braille panel




**Tactile and Braille Panel**

**Sign Type**

**R-1**
Regulatory

**Scale**

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

**Color Code**

**Notes**

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**Date** **Description**

**Client**

**University of Nebraska at Omaha**

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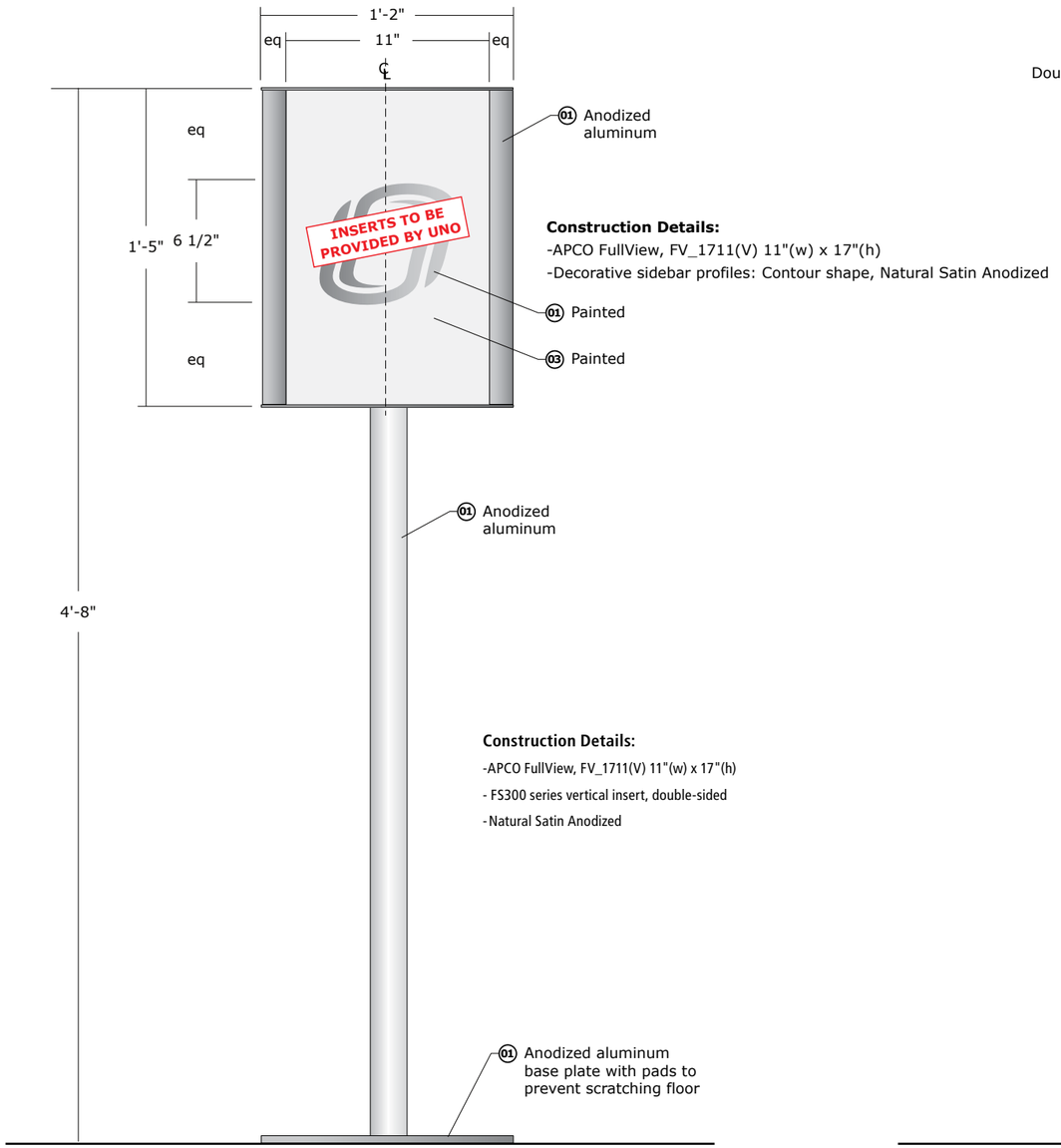
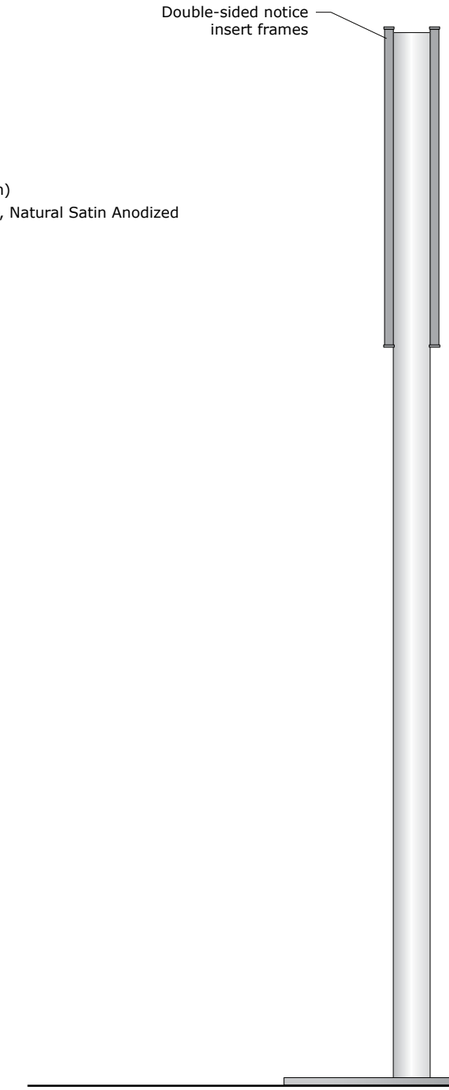
109 East Front Suite 304
Traverse City, MI 49684
231 947.1236




**Construction Details:**
-APCO FullView, FV_1711(V) 11"(w) x 17"(h)
-Decorative sidebar profiles: Contour shape, Natural Satin Anodized

**Construction Details:**
-APCO FullView, FV_1711(V) 11"(w) x 17"(h)
- FS300 series vertical insert, double-sided
-Natural Satin Anodized

**Front view**




**Side view**

**Sign Type**

**T-1**
Freestanding Temporary Insert

**Scale**

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

**Color Code**

**Notes**

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

**Client**

**University of Nebraska at Omaha**

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231 947.1236