Wayfinding Guidelines
Updated September 2019

Appendix IX to University Design Guidelines & Performance Standards

All signage must be approved by the VP of University Communications and AVP of University Planning, Design and Construction
This document has been prepared to provide guidance for the ongoing and future implementation of the wayfinding program at UConn campuses. It summarizes key points devised during the wayfinding program development.
Project Overview

The campus wayfinding system was developed in partnership with multiple departments including University Communications and University Planning, Design and Construction. It was created with the aim of unifying the campus environments and provide a strategic and logical information strategy to orient and direct visitors to and around the campus areas. This system builds upon the spirit of the newly released university brand standards.

All signage must be approved by the VP of University Communications and AVP of University Planning, Design and Construction.
2.01  Vehicular Directional Sign Types
2.02  Parking Sign Types
2.03  Pedestrian Directional Sign Types
2.04  Building Identification Sign Types
2.05  Honorific Destination Messaging
2.06  Regulatory Sign Types
CID.02  Sign Type Family Overview
CID.04  Typography
CID.05  Symbols
CID.07  Finish Schedule
Vehicular Directional Sign Types

Located along the roadway, Vehicular Directional Signs direct motorists to Campus Parking Garages (at Storrs Campus) or Campus Areas (at Health Campus) and their respective / associated Primary Destinations. They also provide motorists leaving the campus with directions to neighboring Interstate and County Routes. These signs are programmed at key decision points in advance of road intersections so that adequate time is given to motorists to comprehend the information and make appropriate choices.

Sign Messaging Destination Criteria:

Storrs Campus
- North Parking
- Jorgensen Center
- Visitor Center
- South Garage
- Gampel Pavilion
- Storrs Center Garage
- Fine Arts Complex

Health Campus
- Emergency
- Upper Campus
- Hospital
- Main Building
- Medical School
- Lower Campus
- Musculoskeletal Institute
- Outpatient Pavilion
- Surgery Center
Parking Sign Types

As most visitors will be approaching the campuses in a vehicle, the secondary point in the journey will require parking before transitioning on-foot. To this end, Visitor Parking facilities are generally more prominent, while Staff / Faculty Parking facilities are less prominent. Parking Identification Signs identify the name, intended user groups, and supplementary information such as additional parking locations available on campus, or permit requirements for access.

Distinction in sign type usage between Storrs and Health. Show sign layouts for reference.
Pedestrian Directional Sign Types

Upon parking, visitors shall be oriented to their location on campus, and proceed to self-navigate to their final destination on-foot.

The Pedestrian Campus Map Kiosk is typically located outside of Visitor Parking facilities. This is a four-sided sign with an overall Campus Map and accompanying Campus Directory, a Neighborhood Map that focuses on destinations that are within a 15-minute walking distance, as well as Pedestrian Directionals to neighborhood destinations available. This sign type is also located in proximity to major visitor destinations to support secondary navigation across campus.

Pedestrian Directional Signs are typically programmed along pedestrian pathways, and located in advance of decision points and pathway intersections. General attention should be given to the placement of these signs; the directional sign panels should be perpendicular to the main path of travel to maximize sign functionality and readability in both directions of approach.

Sign Messaging Destination Criteria:

Storrs Campus
- North Parking
- Alumni Center
- Benton Museum
- Dairy Bar
- Jorgensen Center
- Student Union
- Wilbur Cross Building
- Visitor Center
- South Garage
- Dodd Center
- Freitas Ice Forum
- Gampel Pavilion
- Homer Babbidge Library
- Morrone Stadium
- UConn Bookstore
- Storrs Center Garage
- Rome Commons
- Nafe Katter Theater

Health Campus
- Upper Campus
- Hospital
- Main Building
- Medical School
- Lower Campus
- Musculoskeletal Institute
- Outpatient Pavilion
- Surgery Center
Building Identification Sign Types

Building Identification Signs inform arrival to destinations. These typically identify the building name and accompanying street address. To comply with ADA requirements, accessible entrance information is displayed to confirm accessibility.

A messaging strategy has been developed to accommodate the display of honorific / donor building names in the wayfinding system; refer to 2.05 - Honorific Destination Messaging for details of the approach.

Sign Type J0 is designated for all Destinations/Buildings at the Health Campus for maximum visibility and readability based on the anticipated vehicular approach and general campus conditions. This sign type is also designated for the prime destinations that have been identified on the Storrs Campus Vehicular Directional Signs, i.e. Visitor Center, Jorgensen Center, Gampel Pavilion, and the Fine Arts Complex.

Sign Type J1 is generally assigned to primary visitor destinations, primary academic buildings, and residential clusters. Sign type J2 is generally assigned to secondary academic buildings, offices, and residences. Sign Types J0, J1, and J2 are intended to be situated in advance of the building entrance in proximity to the general pedestrian pathway.

Sign Type J3 is programmed at the primary building entrance and displays the same information as the aforementioned freestanding sign types as a means of confirming arrival. Sign Type J4 has been developed for implementation when there is inadequate wall space for Sign Type J3.

Sign Type K is intended to be placed along accessible routes from inaccessible entrances of buildings to accessible entrances.
### Honorific Destination Messaging

A messaging strategy has been developed to address campus destinations with donor names. This strategy proposes abbreviating such building names composed of fewer words to encourage immediate recognition and quicker memorization, thus standardizing the overall name length on the most wayfinding signs.

The abbreviated building names shall be displayed on the directional wayfinding (sign type B and H series) and freestanding building identification signs (sign types J0, J1, and J2). Full building name, incorporating donor recognition in a modified typographic style, shall be displayed at the arrival point, on the wall-mounted Building Identification Sign (sign type J3 or J4), and on the Pedestrian Orientation Kiosk (sign type G).

<table>
<thead>
<tr>
<th>WAYFINDING</th>
<th>ARRIVAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abbreviated Building Name</td>
<td>Full Building Name</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sign Type</th>
<th>Building Identification</th>
</tr>
</thead>
<tbody>
<tr>
<td>B1</td>
<td>Primary Vehicular Directional</td>
</tr>
<tr>
<td>H1/H2</td>
<td>Pedestrian Directional</td>
</tr>
<tr>
<td>J0/J1/J2</td>
<td>Building ID, Freestanding</td>
</tr>
<tr>
<td>J3</td>
<td>Building ID, Wall Mounted</td>
</tr>
</tbody>
</table>

*3/8” = 1'-0”*
Regulatory Sign Types

These sign types provide operational/instruction information.

Sign Type P is typically programmed at parking facilities, and display information such as operating hours.

Sign Type Q1 & Q2 is typically programmed at athletic and recreational facilities and inform visitors and users of do and don’t.
SIGN TYPE FAMILY OVERVIEW

Sign Type L
Shuttle Bus Stop ID

Sign Type P
Regulatory, Vehicular

Sign Type Q1
Regulatory, Pedestrian

Sign Type Q1a
Parking ID, Pole-Mounted

Sign Type G2
Regulatory, Pedestrian, Fence Mounted

Sign Type Q2
Regulatory, Pedestrian, Fence Mounted

Sign Type R
Emergency ID

EMERGENCY

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Do not use for final construction. Sign fabricator to verify and be responsible for all dimensions and work conditions and inform this office of variations prior to performing work. Written dimensions govern over scaled dimensions.

Date 15 May 2017
Project No. UCONN-046
Phase CID
Project Title University of Connecticut Campus Wayfinding

Drawing Title Sign Type Family Overview
Drawing No. CID.03
GENERAL NOTE

Kerning/letter spacing of all typography is to match the examples in the Construction Intent Documents which were prepared in Adobe Illustrator CS6, Version 16.2.4, with “optical” kerning and the noted numeric value(s) in the kerning/letter spacing option(s). Sign Contractor shall compare their resulting kerning/letter spacing with the examples provided and adjust accordingly. Sign Contractor and/or other users are responsible for purchasing specified typefaces.

TYPGRAPHY

Scout - Bold

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
0123456789 ,./–

Scout - Regular

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
0123456789 ,./–

Scout - Light

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
0123456789 ,./–

Scout - Light Italic

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
0123456789 ,./–

Typographic Requirements

<table>
<thead>
<tr>
<th>CODE</th>
<th>TYPEFACE / SPECIFICATION</th>
<th>KERNING</th>
<th>SIGN TYPES</th>
</tr>
</thead>
<tbody>
<tr>
<td>T1</td>
<td>Scout (Bold)</td>
<td>+200 R</td>
<td>R</td>
</tr>
<tr>
<td></td>
<td>Text - Upper Case</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Scout (Bold)</td>
<td>+60</td>
<td>B1, B2, B3</td>
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<tr>
<td></td>
<td>Text - Upper Case</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Scout (Bold)</td>
<td>+45</td>
<td>B1, B2, B3, D1, D2, G, H1, J0, J1, J2, Q1a</td>
</tr>
<tr>
<td></td>
<td>Text - Title Case</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Scout (Bold)</td>
<td>+30</td>
<td>J3, J4, P, Q1, Q2</td>
</tr>
<tr>
<td></td>
<td>Text - Title Case</td>
<td></td>
<td></td>
</tr>
<tr>
<td>T2</td>
<td>Scout (Regular)</td>
<td>+45 E, H1, H2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Text - Title Case</td>
<td></td>
<td></td>
</tr>
<tr>
<td>T3</td>
<td>Scout (Light)</td>
<td>+30 B1, B2, B3, D1, D2, G, H1, H2, J0, J1, J2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Text - Title Case</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Scout (Light)</td>
<td>+15 D1, D2, J3, J4, L, P, Q1, Q2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Text - Title Case</td>
<td></td>
<td></td>
</tr>
<tr>
<td>T4</td>
<td>Scout (Light Italic)</td>
<td>+15 Q2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Text - Title Case</td>
<td></td>
<td></td>
</tr>
<tr>
<td>T5</td>
<td>Scout (Light Italic)</td>
<td>+30 J3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Text - Upper Case</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
SYMBOLS

I-84
Route 9
Route 4

No Skateboarding
No Rollerblading
No Outside Food
No Pets
No Bags

No Smoking
No Weapons
No Video Cameras
No Noisemakers
## Finish Schedule

<table>
<thead>
<tr>
<th>CODE</th>
<th>COLOR</th>
<th>PAINT TO MATCH</th>
<th>REFERENCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>F1</td>
<td></td>
<td>Akzo Nobel 357C3, Satin Finish</td>
<td>Light Gray Message Panel, Regulatory Post</td>
</tr>
<tr>
<td>F2</td>
<td></td>
<td>Akzo Nobel 62681, Satin Finish</td>
<td>Dark Gray Message Panel Border</td>
</tr>
<tr>
<td>F3</td>
<td></td>
<td>Akzo Nobel 47964, Satin Finish</td>
<td>Blue Bracket, Regulatory Message Panel, Roadway ID</td>
</tr>
<tr>
<td>F4</td>
<td></td>
<td>Akzo Nobel 480E5, Satin Finish</td>
<td>Dark Blue Regulatory Panel Border</td>
</tr>
<tr>
<td>F5</td>
<td></td>
<td>Akzo Nobel White, Satin Finish</td>
<td>White Pedestrian Sign Text</td>
</tr>
<tr>
<td>F6</td>
<td></td>
<td>3M Reflective Graphic Film 5100-100</td>
<td>White Vehicular Sign Text</td>
</tr>
<tr>
<td>F7</td>
<td></td>
<td>3M Reflective Graphic Film 5100-72</td>
<td>Red Emergency Graphic, Interstate Symbol</td>
</tr>
<tr>
<td>F8</td>
<td></td>
<td>3M Reflective Graphic Film 5100-85</td>
<td>Black Route Symbol</td>
</tr>
<tr>
<td>F9</td>
<td></td>
<td>Pantone 287</td>
<td>Light Blue Interstate Symbol</td>
</tr>
<tr>
<td>F10</td>
<td></td>
<td>3M Scotchcal(TM) Translucent Graphic Film White 3630-20</td>
<td>White Building ID, Door Mounted</td>
</tr>
<tr>
<td>F11</td>
<td></td>
<td>Pantone 485</td>
<td>Red Emergency Sign Structure</td>
</tr>
</tbody>
</table>
3.01 Technical Specifications
CID.08 Primary Vehicular Directional (B1)
CID.15 Secondary Vehicular Directional (B2)
CID.22 Tertiary Vehicular Directional (B3)
CID.28 Primary Parking ID (D1)
CID.34 Secondary Parking ID (D2)
CID.40 Walkway ID (E)
CID.43 Pedestrian Campus Map Kiosk (G)
CID.50 Primary Pedestrian Directional (H1)
CID.57 Secondary Pedestrian Directional (H2)
CID.64 Primary Building ID, Freestanding, Large (J0)
CID.71 Primary Building ID, Freestanding, Small (J1)
CID.77 Secondary Building ID, Freestanding (J2)
CID.83 Secondary Building ID, Wall-Mounted (J3)
CID.87 Secondary Building ID, Door-Mounted (J4)
CID.89 Accessible Pathway Marker (K)
CID.91 Shuttle Bus Stop ID (L)
CID.94 Regulatory, Vehicular (P)
CID.97 Regulatory, Pedestrian (Q1)
CID.101 Parking ID, Pole-Mounted (Q1a)
CID.104 Regulatory, Pedestrian, Fence-Mounted (Q2)
CID.108 Emergency ID (R)
SECTION 10400
SIGNAGE

PART 1 GENERAL

The drawings which comprise part of these contract documents are intended to show design intent only. Details are included only as suggestions to the Contractor as to how signs and components may be fabricated and installed. These Specifications are intended as a guide for minimum standards only. It is the Contractor’s responsibility to engineer and design all details so that all signs, mountings, anchorages, and other components are structurally sound, stable and safe for use, of sufficient durability to withstand the rigors of the locations in which they are to be installed. If any of the details, processes, materials, or finishes specified in the drawings or specifications are insufficient to fulfill these requirements the Contractor shall substitute details, processes, materials, or finishes of sufficient functionality, strength and durability. All changes from the design intent drawings and specifications shall be indicated in shop drawings which shall be submitted for the Owner’s approval prior to manufacture. Approval of shop drawings shall not absolve the Contractor from any of the responsibilities referred to above and any such approval shall be conditional on the Contractor’s guarantee that the above requirements have been met. The Contractor shall take full responsibility for, and shall indemnify and hold harmless the Designer against, any claim resulting from failure of, or damage caused by, the installed signs.

In the event of any conflict between the following conditions and any other document(s) issued by the Owner, Architect or Interior Designer and forming part of these Contract Documents. Approval of any claim resulting from failure of, or damage caused by, the installed signs.

The drawings which comprise part of these contract documents are intended to show design intent only. Details are included only as suggestions to the Contractor as to how signs and components may be fabricated and installed. These Specifications are intended as a guide for minimum standards only. It is the Contractor’s responsibility to engineer and design all details so that all signs, mountings, anchorages, and other components are structurally sound, stable and safe for use, of sufficient durability to withstand the rigors of the locations in which they are to be installed. If any of the details, processes, materials, or finishes specified in the drawings or specifications are insufficient to fulfill these requirements the Contractor shall substitute details, processes, materials, or finishes of sufficient functionality, strength and durability. All changes from the design intent drawings and specifications shall be indicated in shop drawings which shall be submitted for the Owner’s approval prior to manufacture. Approval of shop drawings shall not absolve the Contractor from any of the responsibilities referred to above and any such approval shall be conditional on the Contractor’s guarantee that the above requirements have been met. The Contractor shall take full responsibility for, and shall indemnify and hold harmless the Designer against, any claim resulting from failure of, or damage caused by, the installed signs.

In the event of any conflict between the following conditions and any other document(s) issued by the Owner, Architect or Interior Designer and forming part of this contract, the requirements of the latter document(s) shall take precedence and apply.

1.3 SCOPE OF WORK

A. Work of this Section includes all labor, materials, equipment and services necessary to complete the signage as shown on the drawings and/or specified herein, but not limited to the following:

1. Painted and fabricated aluminum box construction sign forms with concrete foundations
2. Painted and fabricated aluminum box construction sign forms with internal illumination, and concrete foundations
3. Painted aluminum panels with silkscreen letters and graphics
4. Painted and fabricated sign posts and brackets
5. Die-cut reflective vinyl letters and graphics
6. Die-cut painted vinyl letters and graphics
7. Full-color digital prints on adhesive film
8. ADAAG: Americans with Disabilities Act Accessibility Guidelines, 2010 ADA Standards for Accessible Design
4. MUTCD: Manual on Uniform Traffic Control Devices
5. ConnnDOT: Connecticut Department of Transportation

D. Structural Performance: Provide signs capable of withstanding the effects of gravity loads and the following loads and stresses within limits and under conditions indicated, determined according to ASCE 7, “Minimum Design Loads for Buildings and Other Structures”:

1. Wind Loads: Determine loads based on a uniform pressure of 100 mph acting in any direction.
2. Snow Loads: Determine loads based on a uniform snow load of 20 psf acting in any direction.
3. Seismic Loads: Provide signs capable of withstanding seismic forces calculated according to the provisions of ASCE 7.

E. All artwork and templates created by the Sign Contractor for the production of the work under this contract shall be the property of the Owner, and shall be delivered to the Owner upon request.

F. Warranty: See Section 1.13 Below.

1.6 SUB CONTRACTORS

A. Sign Contractor shall provide references of at least five (5) clients who have used their services to the satisfaction of the Owner and Design Consultant.

B. Sign Contractor shall provide evidence of successfully completing manufacture and installation of three (3) projects of similar scope to this bid within the preceding three (3) years.

C. Sign Contractor must be able to demonstrate that they are in compliance with all workers safety and environmental regulations at their location of manufacture.

D. Sign Contractor must be able to fabricate in-house at least 70% of the components required to produce this Scope of Work.

E. Sign Contractor shall post bond equal to the value of the items listed in Sign Program bid documents for the life of the contract. [NOTE to OWNER: edit as needed, Delete if not required]

1.7 BID SUBMISSIONS

A. Bids must reflect the entire Scope of Work outlined in the enclosed documents and are to be itemized as line item costs for the fabrication/installation of individual signs by sign type. Additionally, general conditions, submissions, bonds, taxes, and other miscellaneous costs should be itemized as separate line item costs in the bid response.

B. All bids shall be submitted on the Standard Bid Form provided. Any bids not submitted on the Bid Form may be disqualified. Sign Contractor shall verify all quantities in the Sign Schedule and Bid Form.

C. Bids are to be submitted no later than the date indicated in order to be considered for this project. Any delays to the submission of these items may disqualify bidder from the bid review process, at Owners discretion.

D. Sign Contractor shall submit one (1) partial sample prototype of Sign Type XX as defined in the Contract Documents, dated [NOTE to OWNER: insert date], with the bid. This prototype is to be made without any assistance from the project team. This submittal will be used as an indication of the bidder’s ability to read the design drawings, follow the specifications, and shall represent the quality control capabilities of the company. This prototype will be used in conjunction with the Sign Contractor’s bid to identify the best-qualified bidder for the project.

E. Extent of Sign Program requirements are shown on, and shall be in accordance with, the Design Intent Drawings and related materials (Contract Documents) submitted by the Design Consultant. These include all labor, materials, equipment and services necessary to complete the signage as outlined within those documents.

F. If there is a conflict, stated dimensions on the Drawings shall take precedence over scaled dimensions. Should a Bidder find discrepancies in, or omissions from, the contract documents, or be in doubt as to their meaning he shall notify the Design Consultant at once. If it should be found necessary, a written addendum will be sent to each Bidder. Neither the Owner nor the Design Consultant will be responsible for oral instructions.

G. Sign Contractor shall be responsible for ensuring that there are no pricing or tabulation errors in submitted bids and shall not make any claims for extra payment as a consequence of any such errors.

H. It shall be assumed that the Sign Contractor has inspected the site prior to submitting a bid, and is aware of all site and operational conditions affecting the fabrication and installation of the work. No extra charges shall be claimed or allowed due to a failure of the Sign Contractor from making such inspections.

I. Sign Contractor to furnish a schedule indicating the number of weeks required from signing of a Contract to the commencement of installation, and the number of weeks required for completing the installation process. If necessary, separate information can be given for different groups of signs.

1.8 SUBMITTALS

A. All submittals shall occur in the sequence outlined below. Submittals that are out of sequence may be rejected or held for approval pending prerequisite submittals.

B. Unless otherwise noted, two (2) sets hard copy of all submittals for approval prior to fabrication or installation, as follows:

   One (1) set to Owner
   One (1) set to Project Manager/Construction Manager

   [NOTE to OWNER: edit as needed, Delete if not required]

C. Schedule

1. Submit a detailed production and installation schedule for all sign types including dates for submission and approval of all required samples, shop drawings and other submissions required under this contract.

2. This schedule shall identify ‘drop dead’ receipt dates of final message schedule and artwork from Design Consultant / Owner in order that the overall schedule is maintained.

3. Allow (10) ten days for Design Consultant / Owner review of submittals. Schedule to allow for adequate review and possible re-submittals without jeopardizing the project schedule.

D. Shop Drawings

1. Submit shop drawings showing proposed details of fabrication and installation of all components. Include plans, elevations, enlarged details, vertical and horizontal section details, etc. to the degree required to demonstrate full fabrication and installation means and methods. Details not shown are to be at least equal in quality to those detailed.

2. Drawings to be printed at an architectural scale sufficient to read all details. Include large-scale details of construction, anchorages and accessory items.

   a. Installation elevation to be a minimum of 1/2” = 1’-0”
   b. Sign Elevations to be a minimum of 3/4” = 1’-0”
   c. Section details of small sign types to be a minimum of 6” = 1’-0”
   d. Section details of large sign types to be a minimum 3”=1’-0”

3. Connections, angles, shapes and details shown in Design Intent Drawings are suggestive. Sign Contractor is responsible for proper engineering of all sign components.
4. All components are to be sized, reinforced and detailed as required for their particular application and location. All connections into existing surfaces are to be field verified and/or fully coordinated with architectural conditions prior to submitting sign shop drawings.
   a. Where sizes of signs may be affected by dimensions of surfaces on which they are installed, verify dimensions by field measurement. Show recorded measurements on shop drawings.
5. Shop Drawings should demonstrate coordination with field verified conditions.
   a. For all ground mounted signage, inspect and evaluate grade conditions to ensure leveled surface for signage placement.
6. Confer with the Design Consultant regarding any critical items, and advise the Design Consultant of any significant discrepancies in field measurements or operational difficulties.
7. All variations from the Contract Documents shall be shown on the shop drawings and shall be specifically identified as such by the Contractor. All proposed variations shall equal or surpass the requirements of the originally specified items with regard to appearance, finish, material qualities, size, etc.
8. Sign Contractor shall provide a licensed engineer’s details to provide suitable materials, gauges, footings, anchors, materials compatibility, structural integrity, etc., as required for proper and secure mounting or installation and in accordance with all local sign codes. Show all anchorages and accessory items.
E. Graphic Layouts
   1. Submit full-size hard copy laser prints of fabrication-ready artwork of each unique sign location showing all components and messages. Label each layout with its location number. Indicate all color breaks. Submittal will be reviewed by the Design Consultant for letter, word, and line spacing, as well as overall size, sharpness, alignment, accuracy of letterform, and copy composition.
   2. Layouts that do not fit full-size on 11”x17” paper may be submitted at half- or one quarter-full size only. All submittals must be able to be read with an architectural scale.
   3. Typesetting shall have proper letter, word and line spacing as specified in the Design Documents. Characters shall be sharp, accurately aligned on their baseline, and of consistent density.
   4. Copy shown on any drawings and templates is intended as a guideline for layout and type size only. Refer to the Message Schedule for exact wording for each layout.
F. Material and Finish Samples
   1. Two (2) sets of 4” x 4” samples for each type of material, color, and finish combination specified.
      a. Paint and Coatings: For each color specified, submit 1/8” thick substrate with paint and clear coat finish. Paint color match to be shop applied, manufacturer’s lab samples are not acceptable.
      b. Silkscreen Inks: For each graphic and background combination specified, submit 1/8” thick substrate with painted background, silkscreen text, and clear coat finish.
      c. Vinyl Sheet: For each color, submit 6” x 6” switches
   2. Color match samples to be prepared on actual sign material substrates and employing all actual processes specified in Contract Documents. Clearly indicate on the back the color specification, date, and submittal number.
   3. Design Consultant’s review of samples will be for color and texture only. Compliance with all other requirements is the exclusive responsibility of the Sign Contractor. One (1) set of samples will be kept by the Design Consultant as a record to match against completed installation and for future reference.
G. Full Workmanship Prototypes
   1. One (1) complete or partial prototype sample as noted in the Prototype Schedule below shall be fabricated for review, testing and approval by Owner/Design Consultant, prior to manufacture of any of the final signs of any type for installation.
   2. Prior to fabrication of partial prototypes, Sign Contractor to submit clarification drawings to Design Consultant for review and approval, detailing all elements to be included in each unique partial section prototype. Prototypes to clearly demonstrate all materials, finishes, fasteners, structure, mounting methods, detailing, etc. that are part of the complete sign type.
   3. All Prototypes to be prepared pending final approval of shop drawings, graphic layouts, and samples noted above.
   4. Prototypes are representative parts of the full sign scope. Design Consultant reserves the right to adjust final details, sizes, colors, materials and finishes to be incorporated in the production of the any final sign types based upon results of prototyping.
   5. After inspection and approval all samples must be delivered to the Design Consultant and will become his property as a record to match against completed installation. In no event shall any samples, whether approved or not, be permanently installed as part of the finished work.
   6. Prototype Schedule
      a. Full Prototypes
         1). Sign Type J3
   2). Sign Type J4 on clear acrylic panel
   3). Sign Type Q1 on mock sign post (painted aluminum tube)
   4). Sign Type Q2
b. Partial Prototypes
   1). Sign Type B3 3’-0” W x full sign panel height x full sign depth Section to fully demonstrate construction of sign panels, posts, reveals, materials, paint finishes, application of graphics. Graphics to include “Emergency” band, “Exit”, “Interstate 84” symbol.
   2). Sign Type D2 Full sign panel with 6” post Section to fully demonstrate construction of pylon faces, reveals, materials, paint finishes, application of graphics.
   3). Sign Type G2 2’-0” W x 2’-0” H x full sign depth Section to fully demonstrate construction of the two (2) intersecting sign panels, posts, reveals, materials, paint finishes, application of graphics. Graphics to include Directional Messages and Maps.
   4). Sign Type I Full sign panel with 6” post Section to fully demonstrate construction of pylon faces, reveals, materials, paint finishes, application of graphics.

1.9 DELIVERY STORAGE AND HANDLING
   A. Clearly label the contents of all packages.
   B. Deliver, store and handle all packages so as to protect them from any kind of damage. Inspect all components for evidence of damage at site before installation. Damaged materials shall not be incorporated into the work and shall be removed from the site immediately.
   C. The Contractor shall replace at his own expense all work judged damaged or defective before Substantial Completion.

1.10 RESTORATION
   A. Protect all adjacent surfaces during on-site work and installation of signage. Restore any damage caused back to the original condition to the satisfaction of the Owner.
   B. See Section 3.5 CLEANING AND PROTECTION for additional requirements.

1.11 MAINTENANCE MANUAL
   A. Before Substantial Completion, provide the Owner with one (1) copy of clearly written instructions for proper maintenance of all work including any electrical systems. Instructions shall address periodic cleaning.
service access, painting, color specifications, re-lamping, replacement procedures, etc. Provide detailed troubleshooting and “what to check” lists for all customized electrical or mechanical systems.

B. Extra Materials: Deliver to the Owner or facility's management, in manufacturer’s original packaging, and store at the project site where directed.

1. Furnish one (1) quart of each paint and finish color for touch-up purposes
2. Furnish five (5) painted sign blanks for removable portion of Sign Type A1, including screw holes and spare hardware.

1.12 FUTURE PRICING GUARANTEES

A. Furnish cost information for future purchases, guaranteed for two (2) years from the date of completion of this Contract, for all sign types listed in the pricing schedule. Information shall include costs for items ordered individually as well as minimum order requirements in order to obtain price breaks.

1.13 ATTIC STOCK

A. At the time of Bid Award, Architect/Owner may request Sign Contractor to furnish extra fully fabricated sign pieces that match products installed and that are packaged with protective covering for storage and identified with labels describing contents, as follows: [NOTE to OWNER: edit as needed, Delete if not required]

1. Sign Type Q1: Furnish five (5) extra sign panels with "Forbidden Access Beyond This Point" message.
2. Sign Type Q3: Furnish ten (10) extra sign panels with "Staff Only" message.

B. If requested by the Owner, contractor may provide storage space for attic stock. The cost of this will be a negotiated fee between the owner and the contractor on a per square footage basis.

1.14 WARRANTY

A. General: The following warranty shall not deprive the Owner of other rights the Owner may have under other provisions of the contract Documents and shall be in addition to, and run concurrent with, other warranties made by the Contractor under requirements of the Contract Documents.

B. Sign Warranty: Submit five-year (5) written warranty, signed by the Sign Contractor and installer, warranting that the architectural signage and/or finishes will not develop excessive fading or excessive non-uniformity of color or shade and will not crack, peel, pit or corrode or otherwise fail as a result of defects, within the warranty period, make necessary repairs or replacement at the convenience of the Owner or facility’s management. Failures include, but are not limited to, the following:

1. "Excessive Fading": A change in appearance which is perceptible and objectionable as determined by the Design Consultant when visually compared with the original color range standards.
2. "Excessive Non-Uniformity": Non-Uniform fading during the period of the guarantee, to the extent that adjacent panels have a color difference greater that the original acceptance range of color.
3. "Will Not Pit or Otherwise Corrode": No Pitting or other type of corrosion discernible from a distance of 10'-0", resulting from the natural elements in the atmosphere at the project site.
4. Coating degradation
5. Chalking
6. Structural failure
7. Delamination of applied graphics
8. Delamination or degradation of applied anti-graffiti coatings

C. Defects or faulty materials found during the warranty period will be identified to Sign Contractor by Owner. Such defective materials are to be repaired and/or replaced at Sign Contractors own expense, together with any damage to furnishings, fixtures, finishes, or other equipment that may be damaged as a result of these defects.

D. If Sign Contractor shall fail to repair, replace, rebuild, or restore defective or damaged work promptly after receiving notice, Owner shall have the right to have the work completed by others in the same manner as provided for in the completion of a defaulted contract, and to deduct the cost thereof from the amount so deposited hereunder.

The balance, if any, shall be returned to Sign Contractor without interest. If the amount so deposited is insufficient to cover the cost of such work, Sign Contractor shall be liable to pay such deficiency on demand by Owner.

E. Owner certificate setting forth the fair and reasonable cost of repairing, replacing, rebuilding, or restoring any damaged or defective work when performed by one other than Sign Contractor and this cost shall be binding and conclusive as to the amount thereof upon Sign Contractor.

PART 2 - PRODUCT

2.1 MATERIALS

A. General

1. Provide the highest quality materials, carefully fabricated in accordance with Construction Intent Drawings, manufactured from new materials.
2. Ensure that materials used are inert and that galvanic reactions do not occur between materials used, and between Sign materials and Architectural mounting surfaces.
3. Where dissimilar metals are in contact, separate metals using a dielectric separator such as neoprene gaskets, nylon sleeves, or bituminous coatings to prevent galvanic action.

B. Aluminum

1. Aluminum extrusions shall be of alloy and temper recommended by aluminum producer for type of use and finish and with not less than strength and durability properties specified in ASTM B221 for 6063-T5.
2. Aluminum sheet shall be of 6061-T6, 5005, or 5052-H38 alloys and temper as recommended by aluminum producer or finisher for use type and finish indicated, and with not less than strength and durability properties specified in ASTM B209 for 5005-H15. Sheet and plate shall be shop primed and of best architectural quality; stretcher leveled and visually flat.
3. Aluminum Castings: ASTM B 26, of alloy and temper recommended by aluminum producer and finisher for casting process used and for use and finish indicated.

4. Fabrication

a. Aluminum sheet signs shall be fabricated of sheet of sufficient thickness, and with any necessary internal reinforcement, to provide a sign surface which is stable and flat, and is free from ‘oil canning’ or other ripples or imperfections.

b. Aluminum shall be of best commercial quality and their various forms shall be straight and true. There shall be no scratches, scars, creases or buckles.

c. Where aluminum is shop fabricated, all joints, returns and the like shall be properly joined together and welded edges shall be ground smooth to proper aluminum finish.

d. Aluminum in contact with dissimilar metals shall have bituminous or other protective coating to prevent electrolytic action.

e. Finishes
5. Fabrication

2. Steel Members Fabricated from Plate or Bar Stock: ASTM A 529
   a. Surface Preparation: Remove mill scale and rust, if present, from uncoated steel, complying with SSPC-SP 5 or SSPC-SP 6.
   b. Color: As indicated on Contract Documents.

3. Reinforcing bars for concrete footings to be ASTM A 615 / A 615M, or ASTM A 572, 42,000-psi minimum yield strength.
   a. Comply with NAAMM's "Metal Finishes Manual for Architectural and Metal Products" for recommendations for applying and designating finishes. Finish designations prefixed by AA comply with the system established by the Aluminum Association for designating aluminum finishes.
   b. Baked-Enamel Finish: AA-C12C42R1x (Chemical Finish: cleaned with inhibited chemicals; Chemical Finish: acid-chromate-fluoride-phosphate conversion coating; Organic Coating, as specified below). Apply baked enamel complying with paint manufacturer’s written instructions for cleaning, conversion coating, and painting.
   c. Organic Coating: Thermosetting, modified-acrylic enamel primer/topcoat system complying with AAMA 2603 except with a minimum dry film thickness of 1.5 mils, medium gloss.
   d. Color: As indicated on Contract Documents.

6. Aluminum Posts
   a. Fabricate posts to lengths required for mounting method indicated from manufacturer’s standard 0.125-inch thick, extruded-aluminum tubing. Provide stop blocks in slots to hold panels in position. Include post caps, fillers, spacers, access panels, and related accessories required for complete installation.
   b. Baked-Enamel Finish: AA-C12C42R1x (Chemical Finish: cleaned with inhibited chemicals; Chemical Finish: acid-chromate-fluoride-phosphate conversion coating; Organic Coating, as specified below). Apply baked enamel complying with paint manufacturer’s written instructions for cleaning, conversion coating, and painting.
   c. Organic Coating: Thermosetting, modified-acrylic enamel primer/topcoat system complying with AAMA 2603 except with a minimum dry film thickness of 1.5 mils, medium gloss.
   d. Color: As indicated on Contract Documents.

C. Structural Steel
   1. Steel Sheet: Uncoated, cold-rolled, ASTM A 1008, commercial steel, Type B, exposed or electrolytic zinc-coated, ASTM A 591, with steel sheet substrate complying with ASTM A 1008, commercial steel, exposed.
   2. Steel Members Fabricated from Plate or Bar Stock: ASTM A 529 or ASTM A 572, 42,000-psi minimum yield strength.
   3. Reinforcing bars for concrete footings to be ASTM A 615 / A 615M, Grade 60, as required by engineering.
   4. Galvanized Steel Sheet: ASTM A 653, G90 coating, either commercial or forming steel.
   5. Fabrication
      a. Surface Preparation: Remove mill scale and rust, if present, from uncoated steel, complying with SSPC-SP S/NACE No. 1, "White Metal Blast Cleaning," or SSPC-SP 8, "Pickling."
I. Adhesives and Tapes

1. Adhesives required in fabrication and installation of exterior component shall be compatible with the materials to be laminated or adhered and shall only be used as redundant to mechanical fasteners.

2. Use silicone and epoxy adhesives recommended for exterior applications in accordance with the recommendations of the manufacturer of the adhesives and the material to be laminated or adhered.

3. Surfaces on which adhesives are to be applied shall be smooth, clean and free of dust, dirt, grease, fingerprints or other foreign matter.

4. Adhesives shall be guaranteed not to deteriorate, discolor, delaminate or fail in adhesion for any reason including exposure to heat, sunlight, weathering or other environmental conditions.

5. Adhesives shall not change the color of, or in any way deteriorate, the materials to which they are being applied.

6. Visible joints shall be even and free from air bubbles and other defects.

7. Adhesive Tapes
   a. VHB mounting tapes for permanent installation shall be premium quality double-coated acrylic tape such as manufactured by 3M (VHB Tape) or approved equal. Urethane foam tapes will not be allowed.
   b. Unless otherwise indicated, when used for permanent installation, adhesive mounting tape shall be 1/2” wide and 1/16” thick. Coverage shall be at least one continuous strip of tape at four-inch intervals. No tape shall be closer than 1/4” from the edge of any component.

8. Construction Adhesives
   a. Silicone adhesives shall be clear, ready-to-use, high performance, premium quality materials, such as manufactured by General Electric (GE 1200), or approved equal.
   b. Epoxy adhesives shall be two-component, thermal-setting, premium quality materials such as manufactured by Devcon (Two-Ton Epoxy), or approved equal.

9. Vinyl
   a. Provide opaque, non-reflective vinyl film with repositionable adhesive backing, suitable for interior and exterior applications. Use positionable and pressure activated adhesive. Apply adhesive only when minimum application temperature is 40°F (4°C), and maximum application temperature is 100°F (38°C). Provide film with a seven (7) year exposure life, when applied in accordance with manufacturer’s recommended procedures.

K. Concrete

1. Portland cement, ASTM C 150, Type 1, Fly ash, ASTM C 618, Class F

2. Normal weight aggregate, ASTM C 33, uniformly graded with a nominal maximum aggregate size of 3/4 inch. Combined aggregate gradation not more than 18 percent and not less than 8 percent on an individual sieve.

3. Potable water complying with ASTM C 94

L. Concrete footings

1. Footings for signs to be cast-in-place concrete with reinforcing steel bars as required. Design, engineering, and installation of the concrete are the responsibility of the Sign Contractor.

2. Sign Contractor shall provide shop drawings and engineering calculations prepared and sealed by a registered professional engineer, licensed in the State of Connecticut. Fornwork detailing and engineering shall be prepared under direct supervision of a registered professional engineer, licensed in New York.

3. Regulatory requirements shall conform to local laws, codes, and regulations. Sign Contractor shall submit forwork drawings, calculations, and other data to local authorities as they may require.

4. Typical forwork shall be plywood, metal, or other panel-type materials providing continuous smooth surfaces, non-reactive with form releases, and shall facilitate fabricating formwork in largest practicable sizes to minimize number of joints. Provide form material with sufficient thickness to withstand pressure of newly placed concrete without bow or deflection. Conform to joint system indicated on drawings or accepted shop drawings.
   a. Form ties shall be factory-fabricated, adjustable-length, removable or snap-off metal form ties designed to prevent form deflection and to prevent spalling of concrete upon removal. Sign Contractor shall provide ties that will leave no metal closer than 37mm (1-1/2”) from face of exposed concrete surface, and, when removed, will leave holes not larger than 25mm (1”) diameter in concrete surfaces.
   b. Form release agent shall be colorless material, with maximum volatile organic compounds (VOCs) of 350 gm per liter, non-staining; which will not bond with or adversely affect concrete surfaces and which will be compatible with subsequent treatments of concrete surfaces.
   c. Fabricate formwork to prevent leakage of cement paste during concrete placement. Solidly butt joints and provide back-up material at joints. Minimize joints. Provide removable panels at bottom of column, pier, wall, and other forms where necessary to facilitate cleaning and inspection. Fabricate forms for easy removal without hammering or prying against concrete surfaces.
   d. Install forms in accordance with ACI 301, except for more stringent requirements of specifications or the forwork design engineer. Brace forwork to ensure stability.

5. Irregularities in formed surfaces shall conform to requirements of ACI 347, as follows:
   a. Class A: For concrete surfaces exposed to view.
   b. Class C: For other concrete surfaces

6. Sign Contractor shall provide formed concrete, and concrete slab edges, that are maximum +/- 12mm (1/2”) from designated design plane in any location.

7. Application of form release agent shall be applied in accordance with manufacturer’s instructions. Apply prior to placing reinforcing steel, anchoring devices, and embedded items. Do not apply where concrete surfaces are scheduled to receive finishes which may be affected by agent. Soak surfaces of untreated forms with clean water. Keep surfaces wet prior to placing concrete.

8. Inserts, embedded items, and openings shall be provided with formed openings where required for work embedded in or passing through concrete.

9. Coordinate work of other sign parts in forming and setting openings, slots, recesses, chases, sleeves, bolts, anchors, and other inserts.

10. Adjustments to formwork shall be checked before placing reinforcements and continuously during concrete placement to verify that work will be within specified tolerances. Conform to requirements of ACI 347. Correct excessive settlement or distortion of forms during concrete placement. Retighten forms during concrete placement if required to eliminate mortar leaks.

11. Form removal shall occur after concrete has sufficient strength to support its own weight and construction, design, or other loads which may be imposed upon it. Remove formwork that does not support loads when the following conditions are met:
   a. Concrete has cumulatively cured at not less than 10°C (50°F) for 24 hours.
   b. Concrete is sufficiently hard that form removal will not damage it.
   c. Curing and protection operations are maintained.
2.2 FINISHES

A. Paints, Inks, Coatings
1. All colors shall be exactly reproduced as specified and shall match submitted samples.
2. Paint Manufacturer:
   a. AkzoNobel, or Approved Equal
3. All exposed surfaces to receive satin finish anti-graffiti UV clear coating
4. All paint shall be applied using a high pressure spray in dust-free conditions and shall be allowed to dry or cure properly before being moved.
5. Painted surfaces and other applied finishes shall have a smooth, even finish and be free of imperfections, marks, scratches, embedded dirt, wave patterns or other irregularities.
6. Paint required in fabrication, including paint for lettering, finished, and colors of letters, numbers, and other graphic devices indicated for size, style, spacing, content, position, material, finishes, and colors of letters, numbers, and other graphic devices shown on the Contract Documents.
7. Inks for silkscreen graphics shall be non-glare, eggshell, or semi-matte.
8. Paints shall be precisely identified on the shop drawings and formwork and construction proceed within heated enclosure.
9. Prime coats or other surface pre-treatments, where recommended by the manufacturer of the paint, shall be included in the work.

2.3 GRAPHICS AND PROCESSES

A. General
1. Graphics shall be highest quality with sharp lines and smooth curves. Images shall be uniform colors and free from streaks or spotting.
2. Scalable vector art for Symbols as shown on Contract Documents shall be provided digitally by Design Consultant in Adobe Illustrator format for placement on final sign layouts. All other artwork required shall be produced by the Sign Fabricator.
3. Sign Fabricator shall apply messaging from Message Schedule to provide all unique sign layouts that comply with requirements indicated for size, style, spacing, content, position, material, finishes, and colors of letters, numbers, and other graphic devices shown on the Contract Documents.

B. Typography and Layout
1. The contractor is responsible for purchasing specified typefaces.
   a. The typeface in use for the Project is Scout in multiple weights as specified on the Contract Documents.
2. The layout of the copy on the drawings and the wording indicated is for placement only. Should any conflict arise in the final copy layout, notify the Design Consultant before proceeding. In no event shall size, number of lines of copy or specified letter, word and/or line spacing be modified to get copy to fit.

C. Silkscreening
1. General
   a. Silk screens shall be made using photographic film positives. Hand-cut positives may not be used except in exceptional circumstances and only with the Designer’s prior approval in writing. If hand-cut positives are allowed, they shall be of equivalent quality to photographic film.
   b. Ink finish shall be non-glare, ‘eggshell’ or semi-matte, unless otherwise specified.
2. Sub Surface
   a. Subsurface silkscreen shall consist of a reverse (flopped) image screened onto the back surface of specified materials with compatible paints or inks. When the screened image is dry the entire surface shall be backpainted with the specified background color.
   b. Use reverse silk-screen process to print copy; overspray the copy with an opaque background color coating.
   c. Use DuPont “Chromalin” heat and pressure-laminated photo polymer film system to form copy and background color.

D. Die-Cut Vinyl Letters
1. Provide right-reading or reverse-reading characters and graphics as indicated by the Contract Documents. Electronically cut from vinyl film with adhesive backing.

E. Sign Panels: Provide smooth sign panel surfaces constructed to remain flat under installed conditions within a tolerance of plus or minus 1/16 inch measured diagonally from corner to corner.
1. Coordinate dimensions and attachment methods to produce message panels with closely fitting joints. Align edges and surfaces with one another in the relationship indicated.
2. Increase metal thickness or reinforce with concealed stiffeners or backing materials as needed to produce surfaces without distortion, buckles, warp, or other surface deformations.
3. Continuously weld joints and seams, unless other methods are indicated; grind, fill, and dress welds to produce smooth, flush, exposed surfaces with welds invisible after final finishing.

F. Illumination
1. Illumination Product: Provide 3M Flexible Light Mat Series 3635-1000 LED sheet, or Approved Equal.
2. LED unit life to exceed 50,000 hours at 100% brightness
3. Color temperature: 3500 Kelvin, “Bright White”
4. Use only high quality / high brightness 12VDC LED’s
5. Lighting to provide even and consistent distribution of illumination. Illumination shall be of a consistent intensity and color within each individual sign unit, and between all illuminated sign elements in the program. Color value and intensity will be reviewed by Owner on-site, with the use of fully functioning prototypes prepared by the Sign Contractor prior to final fabrication.
PART 3 – EXECUTION

3.1 GENERAL INSTRUCTIONS

A. It shall be assumed that the Contractor has inspected the site and is aware of all site and operational conditions affecting the fabrication and installation of the work. No extra charges shall be claimed or allowed due to a failure of the Contractor from making such inspections.

B. Failure to request clarification of any inadequacy, omission or conflict will not relieve the Contractor of responsibility.

C. All work shall be performed in accordance with the written schedule agreed upon by Owner, Design Consultant and Sign Installer. In any case where work cannot be completed on schedule, the Contractor shall supply temporary signs at no additional expense to the Owner.

D. Sign Contractor is responsible for verifying all field conditions and material thickness, etc. and to inform the Design Consultant, at least two weeks in advance, of any intended installation and arrange, at the Design Consultant’s request, to comply with approved shop drawings and/or as required by wall conditions, such installation will not provide permanent, rigid installation within site conditions.

E. All work shall be conducted as complete systems, including all stiffeners, fasteners, welding, sealants, jointing, miscellaneous pieces and material thicknesses, etc.

F. Dimensional Characters: Mount characters using fastening methods to comply with approved shop drawings and/or as required by character form, wall construction, and condition of exposure. Provide heavy paper template pattern to establish character spacing and to locate holes for fasteners.

3.2 FABRICATION

A. All submissions shall be reviewed and have received final approval by Design Consultant, in addition to stamped engineering drawings where required, prior to fabrication of project sign requirements.

B. Confer with the Design Consultant regarding all critical items and advise the Design Consultant of any significant discrepancies in field measurements or operational difficulties prior to fabrication. Obtain the Design Consultant’s written approval for any resulting deviations from the specifications and/or approved shop drawings that may become necessary.

C. All work shall be constructed as complete systems, including all stiffeners, fasteners, welding, sealants, jointing, miscellaneous pieces and material thicknesses, etc.

D. Unless otherwise shown on the Drawings, all members shall be continuous lengths without seams. Work shall be formed to profiles indicated on the Drawings.

E. Where material lengths require joints, all joints shall be flush. Similar materials at joints shall be either bonded or welded together, or shall be lap jointed to provide for expansion. All joints to be light proof.

F. Preassemble signs in the shop to the greatest extent possible to minimize field assembly. Disassemble signs only as necessary for shipping and handling limitations. Clearly mark units for reassembly and installation, in a location not exposed to view after final assembly. All work “broken down” shall be erected so that all parts fit accurately with harline joints.

G. Work shall be performed by competent workmen and shall be of the best quality, free from defects impairing strength, durability and appearance. All items shall be made of new materials and be uniform in detail design and finish.

H. Methods of fabrication, joining, finishing and installation of all components and work shall be according to the manufacturer’s instructions for the use of any products, materials, fittings and equipment used in their construction.

I. All details of construction are to be engineered with appropriate strength materials and finished to withstand the potential rigors of their installed locations.

3.3 PERMITS

A. Sign Contractor shall obtain all permits required by Local Authorities for installation of signs.

3.4 INSTALLATION

A. Install the work in a well organized and timely manner. Whenever possible, the work shall be installed as one continuous activity. The installation process shall be monitored to accommodate the needs of both the Owner and Design Consultant.

B. Coordinate all scheduling and installation procedures with the Owner, Design Consultant, General Contractor and others to avoid delays or additional costs.

C. Inform the Design Consultant, at least two weeks in advance, of any intended installation and arrange, at the Design Consultant’s request, to comply with approved shop drawings and/or as required by wall conditions, such installation will not provide permanent, rigid installation within site conditions.

D. Sign Contractor is responsible for verifying all field conditions and dimensions prior to fabrication and installation. Should Sign Installer find any discrepancies during installation, they shall notify the Design Consultant at once, to await clarification, prior to proceeding.

E. Prepare all encountered surfaces as required to receive signage.

F. Install all signs at the locations and heights specified in the Contract Documents.
K. No installation procedures or materials shall be used that will in any way change the visual quality or in any manner have an adverse effect on adjacent materials and surfaces.

L. Protect all adjacent surfaces from damage during installation. Restore or replace any damaged surfaces to original condition and appearance.

3.5 CLEANING AND PROTECTION
A. All work shall be provided with suitable protective coverings during shipment and installation. Remove and replace protective coating for inspection when requested. Final removal of protective coatings shall take place only when there is no danger of damage from further work, and all protective coatings shall be removed simultaneously from similarly finished items to prevent uneven oxidation or discoloration.

B. Remove packing and construction materials from the site. Leave premises broom clean and ready for work under other contracts or ready for use. Vacuum any carpets and spot clean where necessary.

C. All existing exterior surfaces within (5) feet of installed signs to be returned to the same condition and quality that was present before the installation of signage, including material, finish, grading, and landscaping.

D. At completion of the installation, clean soiled sign surfaces in accordance with the manufacturer’s instructions. Exposed surfaces of all work shall be left clean and free of glue, fingerprints, dirt, grease, dust or any other imperfections.

E. Protect units from damage until acceptance by the Owner.

F. Names, stamps and decals of manufacturers, installers or maintainers of signs shall not be visible in the finish work.

3.6 INSPECTION AND PUNCHLIST
A. Provide access to the Design Consultant to inspect all work in progress at the site of fabrication and/or installation.

B. Final Punch List will be conducted by Owner and Design Consultant.

3.7 CLOSE OUT SUBMISSIONS
A. Maintenance Manual: Sign Contractor shall turn over to Owner all operating and maintenance data, warranties, and bonds, spare parts, and maintenance materials as applicable.

B. Record Drawings: Provide the following:
   1. One (1) digital copy of As-Built shop drawings, including Graphic Layouts, no larger than 11 x 17. Drawings are to include all final notes, dimensions and drawing.
   2. One (1) digital copy of final Sign Location Plans
   3. One (1) Record Set of Specifications including addenda and contract modifications.
   4. One (1) Record set Product Data, insert into maintenance manual when required as part of operations and maintenance.

END OF SECTION
EMERGENCY

Upper Campus
Hospital
Main Building
Medical School

Lower Campus
Musculoskeletal Inst.
Outpatient Pavilion
Surgery Center

Message Panel:
Campus: T1, F6
Destination: T3, F6
Background: F1

Arrow Symbol: F6

Emergency Graphic:
Text: T1, F6
Background: F7

Border: F2
Bracket: F3

NOTE: Sign orientation to be determined by University Representative
1. **Interchangeable Message Panel**

2. **Aluminum End Panel**

3. **Aluminum Face Panels**

4. **Aluminum Channel**

5. **Welded to 4x4 Post**

6. **Aluminum End Plate**

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**CONCEALED FASTENERS**

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**SECTION A**

**SECTION B**
SECTION
110° + 0°

SECTION
9° + 0°

ALUM TUBE FRAME
L/2-13.55 T/HROTS
REMOVABLE MESSAGE PANEL
W/ ALUM FACE PANELS

SIGN TYPE B1
PRIMARY VEHICULAR
DIRECTIONAL

TWO TWELVE
902 BROADWAY
FLOOR 20
NEW YORK, NY
10010/6002
212 254/6670 T
212 254/6614 F

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Do not use for final construction. Sign fabricator to verify and be responsible for all dimensions and work conditions and notify this office of variations prior to performing work. Written dimensions govern over scaled dimensions.
Installation Plan - Sign Type B2 (Typical)

NOTE: Sign orientation to be determined by University Representative

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Elevation - Sign Type B2

1/2” = 1'-0"

Upper Campus

Lower Campus

Message Panel:
Campus: T1, F6
Destination: T3, F6

Arrow Symbol: F6

Border: F2

Bracket: F3

---

Graphic Layout - Sign Type B2

1/2” = 1'-0"

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Side View - Sign Type B2

1/2” = 1'-0"
Alternate Graphic Layout - Sign Type B2
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Revisions
Date 15 May 2017
Project No. UCONN-046
Phase CID
Project Title University of Connecticut
Campus Wayfinding
Drawing Title Sign Type B2 Secondary Vehicular Directional
Drawing No. CID.20
Installation Plan - Sign Type B3 (Typical)

NOTE: Sign orientation to be determined by University/Representative
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Revisions

Date 15 May 2017
Project No. UCONN-046
Phase CID
Project Title University of Connecticut Campus Wayfinding
Drawing Title Sign Type B3 Tertiary Vehicular Directional
Drawing No. CID.24

SECTION

A 5/8" x 1/8"

B 3" x 1/2"

SECTION

C 3" x 1/32"

1/4" thick removable message panel consist of 3" x 2" alum tubes & 3/16" alum face panels

4" x 3/4" x 1/8" alum channel removable end cap

4" x 4" x 1/8" alum tube frame with 3/8" alum message panels

4" x 3/4" x 1/8" alum angle guides fastened to frame w/ (6) 1/2"-13 x 2" THRE BLTS (B TM) (END-GR BLS ARE SECURED TO POST TO PREVENT ACCIDENTAL REMOVAL)

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Revisions

Date 15 May 2017
Project No. UCONN-046
Phase CID
Project Title University of Connecticut Campus Wayfinding
Drawing Title Sign Type B3 Tertiary Vehicular Directional
Drawing No. CID.24
B

SECTION

3' x 3'
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Revisions

Date 15 May 2017
Project No. UCONN-046
Phase CID
Project Title University of Connecticut Campus Wayfinding

Drawing Title Sign Type B3 Tertiary Vehicular Directional

Drawing No. CID.27
**SECTION**

1 3/8" THICK REMOVABLE MESSAGE PANEL, CONSISTING OF 3" x 3" ALUM TUBES & 6" ALUM FACE PANELS

**SECTION**

2 1/8" x 2 7/8" ALUM CHANNEL FRAME, IN 3/8" ALUM FACE PANELS

2 1/8" x 2 7/8" ALUM ANGLE GUIDE, FASTENED TO FRAME W/ (2) 1/2"-13 SS THRU BOLTS

REMOVABLE END CAP TO ACCESS BOLTS

REMOVABLE END CAP TO FRAME (W/ (2) 1/2"-13 SS THRU BOLTS)

(2) 1/2" x 1-3/8" ALUM TUBE FRAME

2 1/8" x 2 7/8" ALUM ANGLE GUIDE, FASTENED TO FRAME W/ (2) 1/2"-13 SS THRU BOLTS

REMOVABLE END CAP TO FRAME (W/ (2) 1/2"-13 SS THRU BOLTS)

ALUM END-PLATE

REMOVABLE ALUM MESSAGE PANEL

REMOVABLE ALUM MESSAGE PANEL

**SIGN TYPE D1**

**PRIMARY PARKING ID**
2 1/8" x 2 1/8" x 1/8" ALUM TUBE FRAME WORK FACE PANELS

1/2-13 SS THRU BOLTS

ALUM FACE PANELS

ALUM CENTER PANEL

REMOVABLE BRACKET

SECTION

F x 7/8"
**SECTION**

1/2 x 1-1/8

---

**SECTION**

1/16 x 1-1/8

---

2 1/2 x 2 1/2 ALUM. POST

8" H. MIN. CONCRETE FOOTING

1/4" ALUM. BASE PLATE

1/8" ALUM. PLATE

6 1/2" ALUM. SPACER

1/2-13 x 3/8" THD. A.B.
N/SS LEVELING NUTS & WASHERS (TYPE 4 PLACES)

2 1/2" ALUM. IN-GROUND SPACER

---

**Revisions**

---

**Project Title**: University of Connecticut Campus Wayfinding

**Sign Type**: D1

**Primary Parking ID**: CID
Fairfield Way
6”
5’-1 1/4”

Roadway Name

Message Panel:
Text: T2, F5
Background: F3

Elevation - Sign Type E
3/4” = 1'-0”

Plan - Sign Type E
3/4” = 1'-0”

Graphic Layout - Sign Type E (Sides 1 & 2)
3/4” = 1'-0”

Side View - Sign Type E
3/4” = 1'-0”

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Drawing Title
Sign Type E
Walkway ID

Project Title
University of Connecticut
Campus Wayfinding

Date
15 May 2017
Project No.
UCONN-046
Phase
CID

TWO TWELVE
902 BROADWAY
FLOOR 20
NEW YORK, NY
10010/6002
212 254/6670 T
212 254/6614 F

No. Revisions

Drawing No.
CID.40
CONCEALED FASTENERS
REMovable MESSAGE PANEL
REMovable BOTTOM BRACKET

REMOVABLE ALUM MESSAGE PANEL
(3) 3/8-16 x 1-1/2" THBOLTS (ENSURE BOLTS ARE SECURED TO HOE TO PREVENT ACCIDENTAL REMOVAL)
6" ALUM END PLATE
2" x 1-1/2" ALUM CHANNEL WELDED TO 1/2" x 2-1/2" PLAT
6" ALUM END PLATE

A SECTION
3'-6"

B SECTION
3'-6"
Plan - Sign Type H1

3/4" = 1'-0"

1
2
3
4
5

Elevation - Sign Type H1 (Side 1)

Graphic Layout - Sign Type H1 (Side 1)

Graphic Layout - Sign Type H1 (Side 2)

Alternate Graphic Layout - Sign Type H1 (Side 2)

Arrow Symbol: F5

Message Panel:
Campus: T1, F5
Destination: T3, F5
Background: F1

Border: F2

Bracket: F3
(Sides 3 & 4)
Graphics: T2, F5

ADA Caming Bar:
Refer to Chapter 4
Supplementary Project Details

Note:
Alternate Graphic Layout occurs only for Musculoskeletal Institute.

Sign Type H1
Primary Pedestrian Directional

University of Connecticut
Campus Wayfinding

Project No. UCONN-046
Phase CID

Date 15 May 2017

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CID.50
1/4" THICK REMOVABLE MESSAGE PANEL CONSISTING OF 1" x 2" ALUM TUBES & 6 ALUM FACE PANELS

REMOVABLE END CAP TO ACCESS BOLTS

REMOVABLE MESSAGE PANEL

2" x 2" x 1/4" ALUM CHANNEL REMOVABLE END CAP

ALUM END PLATE FASCIA REMOVABLE MESSAGE PANEL TO FRAME & 1/2"-13 SS THRU BOLTS (ENSURE BOLTS ARE SECURED TO POST TO PREVENT ACCIDENTAL REMOVAL)

REMOVABLE ALUM MESSAGE PANEL

3"

SECTION

3" x 1/4"

SECTION

3" x 1/4

PROJECT TITLE

University of Connecticut
Campus Wayfinding

SIGN TYPE

H1

PRIMARY PEDESTRIAN

Directional

DATE

15 May 2017

PROJECT NO.

UCONN-046

PHASE

CID

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CONCEALED FASTENERS

REMOVABLE MESSAGE PANEL

REMOVABLE BOTTOM BRACKET

REMOVABLE ALUM MESSAGE PANEL

\( \frac{3}{8} \) ALUM END PLATE

(2) 1\( \frac{1}{2} \) x 3 x .055 THORN BOLTS (ENSURE BOLTS ARE SECURED TO POLE TO PREVENT ACCIDENTAL REMOVAL)

2\( \frac{1}{2} \) x 1\( \frac{1}{2} \) ALUM CHANNEL

\( \frac{3}{8} \) ALUM FACE PANELS

2\( \frac{1}{2} \) x 3\( \frac{1}{2} \) ALUM CHANNEL WELDED TO 2\( \frac{1}{2} \) x 2\( \frac{1}{2} \) PLATE

\( \frac{3}{8} \) ALUM END PLATE

SECTION
3\( \frac{1}{2} \) - 5\( \frac{1}{2} \)

SECTION
3\( \frac{1}{2} \) - 5\( \frac{1}{2} \)
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Revisions

Date 15 May 2017
Project No. UCONN-046
Phase CID
Project Title University of Connecticut Campus Wayfinding
Drawing Title Sign Type H1 Primary Pedestrian Directional
Drawing No. CID.55
Plan - Sign Type H2

SIDE 1
SIDE 2
SIDE 3
SIDE 4

Elevation - Sign Type H2 (Side 1)

Graphic Layout - Sign Type H2 (Side 1)

Graphic Layout - Sign Type H2 (Side 2)

Alternate Graphic Layout - Sign Type H2 (Side 2)

Arrow Symbol: F5
Message Panel: Destination: T3, F5
Background: F1
Border: F2
Bracket: F3 (Sides 3 & 4)
Graphics: T2, F5

ADA Caming Bar: Refer to Chapter 4: Supplementary Project Details

Left align to edge of Bracket

Note: Alternate Graphic Layout occurs only for Musculoskeletal Institute.
Sign Type H2
Secondary Pedestrian
Directional

A

SECTION

2" x 2" x 1/8" ALUM TUBE FRAME
WORK FACE PANELS

1/2-13 x 4" THRU BOLTS

ALUM FACE PANELS

ALUM CENTER PANEL

REMOVABLE MESSAGE PANEL

REMOVABLE BRACKET
A
SECTION
1/2" x 1/8"

B
SECTION
1/2" x 1/8"

3/8" ALUM BASE PLATE

1/2" x 2" ALUM POST

3/8" MIN. CONCRETE FOOTING

1/2"-13 x 30" SS THIRD A/B
W/ SS LEVELING NUTS & WASHERS
(TYP 4 PLACES)
**Installation Plan - Sign Type J0 (Typical)**

**NOTE:** Sign orientation to be determined by University Representative

---

**Plan - Sign Type J0**

3/4" = 1'-0"

---

**Elevation - Sign Type J0**

3/4" = 1'-0"

---

**Graphic Layout - Sign Type J0**

3/4" = 1'-0"

---

**Side View - Sign Type J0**

3/4" = 1'-0"
NOTE: Sign orientation to be determined by University Representative
Alternate Graphic Layout 1 - Sign Type J0

Alternate Graphic Layout 2 - Sign Type J0

Note: Alternate Graphic Layout 1 occurs only for Musculoskeletal Institute.

Note: Alternate Graphic Layout 2 occurs only for Gampel Pavilion.

UConn Husky Symbol: F2

Musculoskeletal Institute
263 Farmington Ave

Gampel Pavilion
2098 Hillside Rd

UConn Husky Symbol: F2

1/2" = 1'-0"
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**Revisions**

**Date** 15 May 2017

**Project No.** UCONN-046

**Phase** CID

**Project Title** University of Connecticut Campus Wayfinding

**Drawing Title** Sign Type J0

**Primary Building ID, Freestanding, Large**

**Drawing No.** CID.70
Medical Examiners Building
11 Shuttle Road

Elevation - Sign Type J1
3/4" = 1'-0"

Plan - Sign Type J1
3/4" = 1'-0"

Graphic Layout - Sign Type J1
3/4" = 1'-0"

Side View - Sign Type J1
3/4" = 1'-0"

NOTE: Sign orientation to be determined by University Representative

NOTE: Do not use for final construction. Sign fabricator to verify and be responsible for all dimensions and work conditions and inform this office of variations prior to performing work. Written dimensions govern over scaled dimensions.
2'-1"

3'-11/16"

1/8" THICK REMOVABLE MESSAGE PANEL CONSISTING OF 3" x 2" ALUM TUBES 6 ALUM FACE PANELS

2" x 1 1/2" ALUM CHANNEL REMOVABLE END CAP

2" x 2" ALUM TUBE FRAME W/6 ALUM FACE PANELS

SECTION

SECTION

212 254/6670 T
212 254/6614 F

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No. Revisions

Date 15 May 2017
Project No. UCONN-046
Phase CID
Project Title University of Connecticut Campus Wayfinding

Drawing Title Sign Type J1 Primary Building ID, Freestanding, Small

Drawing No. CID.73
CONCEALED FASTENERS

REMOVABLE MESSAGE PANEL

REMOVABLE BOTTOM BRACKET

REMOVABLE ALUM MESSAGE PANEL

2" x 3/16" ALUM CHANNEL

3/4" ALUM END PLATE

(2) 1/2-13 x 4" SS THRBOLTS
(ENSURE BOLTS ARE SECURED TO ROOF TO PREVENT ACCIDENTAL REMOVAL)

2" x 1-1/2" ALUM CHANNEL

3/4" ALUM END PLATE

3/4" ALUM FACE PANELS

3/4" ALUM CHANNEL RABBED TO 1/8" x 1/8"

Primary Building ID, Freestanding, Small

University of Connecticut
Campus Wayfinding

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No. Revisions

Date 15 May 2017
Project No. UCONN-046
Phase CID
Project Title University of Connecticut Campus Wayfinding

Drawing Title

Sign Type J1
Primary Building ID, Freestanding, Small

Drawing No. CID.74

A SECTION

3'-0"

B SECTION

3'-0"

TWO TWELVE
902 BROADWAY
FLOOR 20
NEW YORK, NY
10010/6002
212 254/6670 T
212 254/6614 F

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No. Revisions

Date 15 May 2017
Project No. UCONN-046
Phase CID
Project Title University of Connecticut Campus Wayfinding

Drawing Title

Sign Type J1
Primary Building ID, Freestanding, Small

Drawing No. CID.74
2" x 2' x 1/8" ALUM CHANNEL @ TOP OF CABINET
2" x 2' x 1/8" ALUM TUBE FRAME, W/ 6' ALUM FACE PANELS
1/4" THICK REMOVABLE MESSAGE PANEL, CONSISTING OF 3" x 2' ALUM TUBES & 6' ALUM FACE PANELS

1/4" ALUM PLATE, GUIDED FASTENED TO FRAME W/ (2) 10-24 x 3/8" PH. W.S.

REMovable ALUM MESSAGE PANEL
REMovable ALUM END PLATE

TWO TWELVE
902 BROADWAY
FLOOR 20
NEW YORK, NY
10010/6002
212 254/6670 T
212 254/6614 F

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CID.80

SIGN TYPE J2
SECONDARY BUILDING ID, FREESTANDING

Date: 15 May 2017
Project No: UCONN-046
Phase: CID
Project Title: University of Connecticut
Campus Wayfinding

Drawing Title: Sign Type J2

Drawing No: CID.79
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Revisions

Date 15 May 2017
Project No. UCONN-046
Phase CID
Project Title University of Connecticut Campus Wayfinding

Drawing Title
Sign Type J2
Secondary Building ID, Freestanding

Drawing No. CID.81
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Date: 15 May 2017
Project No.: UCONN-046
Phase: CID
Project Title: University of Connecticut Campus Wayfinding
Drawing Title: Sign Type J2 Secondary Building ID, Freestanding
Drawing No.: CID.82
Architectural & Engineering Services
10 Discovery Drive

Elevation - Sign Type J3
1 1/2” = 1'-0"

Graphic Layout - Sign Type J3
1 1/2” = 1'-0"

Graphc Layout - Sign Type J3, w/ Donor Name
1 1/2” = 1'-0"

Side View - Sign Type J3
1 1/2” = 1'-0"

Installation Elevation - Sign Type J3
1/4” = 1'-0"
ELEVATION

VINYL, APPLIED 2ND Surface
FINAL ARTWORK TBD
1 ELEVATION

2 PT ALUMINUM POST
W/PTD COPY

2 PT ALUMINUM POST
W/PTD COPY

CONCRETE CURB

2" PTD ALUM-PLATE

GRADE

(2) 2" x 2" x 26" ALUM ANGLES
WELDED TO ALUM WALL, 6" ANCHORED TO CONCRETE
W/4 [4] HEXCONE ANCHORS

0.72" MIN CONCRETE PILE FOUNDATION

A SECTION

CID.90

University of Connecticut
Campus Wayfinding

Sign Type K
Accessible Pathway Marker

Drawing Title

Project No. UCONN-046
Phase CID

Date 15 May 2017

Project Title

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No. Revisions

TWO TWELVE
902 BROADWAY
FLOOR 20
NEW YORK, NY
10010/6002
212 254/6670 T
212 254/6614 F

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No. Revisions

TWO TWELVE
902 BROADWAY
FLOOR 20
NEW YORK, NY
10010/6002
212 254/6670 T
212 254/6614 F
**Sign Type L**

**Shuttle Bus Stop ID**

Message Panel:
- Destination: T3, F6
- Background: F3
- Border: F4

Post: F1

UConn Health Shuttle Symbol: F6

Note: Graphic Layout applies to Health Campus locations

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---

**Sign Type L**

**Note:**

Graphic Layout applies to Storrs Campus locations

---

**Two Twelve**

902 Broadway
Floor 20
New York, NY
10010/6002
212 254/6670 T
212 254/6614 F

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**Revisions No.**

Date: 15 May 2017

Project No.: UCONN-046

Phase: CID

Project Title: University of Connecticut Campus Wayfinding

Drawing Title: Sign Type L Shuttle Bus Stop ID

Drawing No.: CID.91
Commuter Lot K

Permit Required
Beyond This Point

Monday - Friday
7AM - 5PM
No Overnight

Signs mounted on metal U-channel posts.

UCONN SIGN SERVICES

UCONN

Addendum updated 08/2019

UCONN

Addendum updated 08/2019
DO NOT USE
Welcome!
Please note that skateboards and rollerblades are prohibited on campus.

Message Panel:
Header: T1, F6
Message: T3, F6
Background: F3

Symbol: F6

Border: F4

Header Text

Regulatory message here
regulatory message here

Plan - Sign Type Q1

Graphic Layout - Sign Type Q1

Elevation - Sign Type Q1

Side View - Sign Type Q1
Welcome!
Please note that skateboards and rollerblades are prohibited on campus.

1/2" = 1'-0"

Installation Elevation - Sign Type Q1

CL
**ELEVATION**

1. **SECTION**

2. **CID.99**

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---

**TWO TWELVE**

902 BROADWAY
FLOOR 20
NEW YORK, NY
10010/6002
212 254/6670 T
212 254/6614 F

---

**CID.99**

**Drawing Title:**

**Sign Type:**

**Regulatory, Pedestrian**

---

**Revisions**

---

**Date:** 15 May 2017

**Project No.:** UCONN-046

**Phase:** CID

**Project Title:**

University of Connecticut
Campus Wayfinding

---

**Drawing No.:**

CID.99
Lot M1

1 Elevation - Sign Type Q1a

3" = 1'-0"

Lot M1

2 Plan - Sign Type Q1a

3" = 1'-0"

Lot M1

3 Graphic Layout - Sign Type Q1a

3" = 1'-0"

Lot M1

4 Installation Elevation - Sign Type Q1a

1/2" = 1'-0"
Galv metal band strap

Existing light pole

2" x ¾" Alum channel welded to message panel

⅛" Alum message panel

SECTION

Half size
Welcome!

Please note the following items are prohibited inside the stadium:

- Other items deemed by management to be dangerous or inappropriate will also not be permitted.

Other items deemed by management to be dangerous or inappropriate will also not be permitted.

---

**Sign Type Q2**

- Regulatory, Pedestrian, Fence Mounted

**Message Panel:**
- Header: T1, F6
- Message: T3, F6
- Disclaimer: T4, F6
- Background: F3

**Symbol:** F6

**UConn Husky Symbol:** F4

**Border:** F4

---

**Graphic Layout - Sign Type Q2**

- T1 (Regulatory symbol): 1 1/4" x 1 1/4"
- F3 (Background): 5/8" x 5/8"
- F4 (Symbol): 1 3/8" x 1 3/8"
- F6 (Message, Header, Disclaimer): 2 3/8" x 2 3/8"

---

**Plan - Sign Type Q2**

- 3" = 1'-0"

---

**Side View - Sign Type Q2**

- 3" = 1'-0"
Welcome!

Please note the following items are prohibited inside the stadium:

- Normal food and drink
- Glass bottles or containers
- Cans of any kind
- Coolers of any kind
- Backpacks
- Bicycles

Other items deemed by management to be dangerous or inappropriate will also not be permitted.
EMERGENCY
SIGN TYPE R

Emergency ID

Illuminated Through Acrylic Letters

4" x 6" x 1/8" aluminum tube frame

Removable 1/8" aluminum access panel on back of cabinet

4' x 6' x 1/8" horizontal aluminum tube frame

4' x 6' x 1/8" horizontal aluminum tube frame, set at 2' 4"

Fabricated aluminum column constructed of two 1" x 1" x 3/16" aluminum tubes welded together

Access holes in 4 x 4" aluminum tubes for installing mounting hardware (concealed by removable access panel)

(4) 3/4"-10 x 32" stainless steel (SS) threaded rods

(4) SS nuts & washers

Mounting hardware

Low voltage LED modules to illuminate push-thru acrylic letters

2447 white acrylic push-thru letters

4" x 6" x 1/8" aluminum tube frame

4" x 6" x 1/8" aluminum face panels

3⁄8" aluminum face panels

1/2" x 1/8" aluminum angle secure to face panels

4' x 24" x 1/8" SS hardware

2447 white polycarbonate lens
4.01 No-Mow Zone
4.02 ADA Caning Element
No-Mow Zone

To protect and ensure their longterm visibility, all signs shall have a designated zone around them with softscape elements, such as wood chips, gravel, or riverstone. This discourages growth of natural vegetation, as well as lawn mowers from approaching and potentially damaging the sign.

Should the Owner wish to incorporate plantings in front of the sign, such elements should not exceed 1'-2" in height to ensure that the sign panel is fully visible.
Pedestrian directional and orientation sign types (G, H1, H2) that are situated on pedestrian pathways should include an ADA Caning Bar. This enables visually-impaired persons, navigating by cane, to detect protruding signage elements in the field. Implementation of this element should be coordinated with masonry, as required.