Several elements of the visual vocabulary were explored to implement a successful wayfinding program at the University.

Differing Color Palette and Typography options were evaluated. The final concept, which is applicable to any UAlbany campus, is based on form and materials solely, rather than on color. Different sign materials are used to differentiate signage on the three campuses, with the exact sign materials specified in the individual sign type descriptions in the New Signage and Wayfinding System section below.

Sign Type Functionality Definition

In establishing a visual vocabulary for the wayfinding program, the following conceptual elements were considered: color, typography, symbols, materials, and structural form. The design characteristics of the various sign types are consistent with the University’s aesthetic standards. On select sign types, UAlbany’s logo is used to help reinforce the UAlbany brand. The sign program reinforces the character of the campus — architecturally, thematically, and with regard to overall ambiance.

This approach to the signage elements includes creative and modular solutions reflecting the University’s position as an active campus with a high concentration of nighttime activity. The solutions use some surface lighting, a high contrast between typography and background, changeable features to message, and mapping inserts.

The goals and objectives of the Master Plan, in conjunction with the above-referenced site analysis, initial feedback from the Wayfinding Team and requirements of the ADA, guided the definition of a schematic array of appropriate sign types for both the exterior and the interior of all UAlbany campuses. While the particulars of visual aesthetics of the exterior and interior sign type vocabularies (color, structural form, typography, branding) were established/selected in response to three different possible options, the basic or schematic form of each sign type, as well as the messaging intent, remain constant across the aesthetic options.

A coordinated family of wayfinding elements and sign types is proposed to support the wayfinding methodology presented earlier.

These sign types function primarily in one of three ways:
- Direction-giving (D), Identifying/Informative (I), and Regulatory (R).

Destination Listing Hierarchy

On vehicular and pedestrian directional signage, destinations should be grouped by direction as follows — left, then right, then straight ahead — and listed that way from top to bottom on the sign face. On vehicular signage, this gives drivers time to anticipate upcoming turns and position their vehicles appropriately (into a left-hand turn lane for a left-hand destination, for example). Carrying the same logic into pedestrian directional signage makes for a more consistent presentation of information between sign types, and reinforces the wayfinding logic.

Within each directional grouping, destinations should be listed alphabetically to help drivers and pedestrians quickly locate the destination of their choice using a familiar information hierarchy. While other hierarchies are possible (importance, arrival order, etc.), these hierarchies are less intuitive to the first-time visitor and are harder to administer and keep consistent in the future as destinations change.

This same hierarchy (grouping destinations by direction, and then alphabetically within the directional groupings) should be applied to interior wall directional signs. This will further reinforce the wayfinding logic.

Considerations

Changeability

The new signage system was designed to accommodate updating selected graphic information whether via surface-applied vinyl messages and graphics, economical large-format map prints or modular hardware components that allow easy message panel disassembly and replacement.

ADA Compliance

The ADA guidelines regarding sign message color/ value contrast, letterform style, and barrier-free accessibility messaging are relevant to exterior signage and has been observed. Letterform sizes, while addressed by the ADA concerning interior signage primarily, are sufficient to assure easily read messages for the appropriate sign type’s viewing conditions.

Lighting

The exterior direction-giving signs are not internally illuminated. The use of reflective graphics, and in selected locations the use of up-lighting, should provide full visibility for the viewer. Up-lighting should be mounted in-grade and centered on the sign, and placed and aimed using the manufacturer’s guidelines and specifications. Surface light levels should typically fall between 15 and 25 footcandles. A time clock or photo-electric switch to control the light should be discreetly, but functionally, incorporated. The choice must be made based on the particular sign’s lighting on/off intent.

Terminology

Consistent terminology is used on all directories, directional signs, department identifiers, and maps.
The colors shown here are approximations of the primary signage background colors, secondary colors, and materials used throughout the wayfinding system. The specific colors used for each sign type are indicated on that sign type’s page.

Note: consistent and accurate color reproduction in this document cannot be assured due to the limitations of color copying technology.

The fabricator is responsible for matching all colors and materials as specified (or already in use) and is required to provide the University at Albany with color and material samples for approval.

Either the Coated Pantone Matching System® or Avery (or 3M) vinyl system, or Matthews 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.)

Actual finishes on signage are to be matte or low luster (not shiny or glossy) and exclusively a premium acrylic polyurethane (signage paints produced by Matthews Paint Company are to be the standard reference).

* The Matthews Paint System is a recognized standard in the sign industry. For more information on the Matthews Paint System, write to:

Matthews Paint
Lakeview Corporate Park
8201 - 100th Street
Pleasant Prairie, WI 53158
(800) 323-6593
or go to:
http://www.ppg.com/car_signpaint/
The symbols shown here represent those typically occurring on signage at the University at Albany. All symbols are approved by one or more of the following agencies or trade groups:

- United States Department of Transportation (DOT)
- American Institute of Graphic Arts (AIGA)
- Society for Environmental Graphic Design (SEGD)
- International Council of Graphic Design Association (ICOGRADA)

No symbology substitutions from those shown are allowed; electronic art for these symbols is available from the University.
The fonts selected for the University at Albany sign program are Trajan Bold, DIN Schriften, and Garamond.

DIN Schriften is a sans serif font that is clean and legible, and offers a compressed weight for directional and identification purposes. Its form works well with that of the campus architecture and geometry. An alternate form of the letter “I” is recommended for the Building Identifier Letter sign types (IB-1 and IB-2). See pages 2:11 and 2:12 for examples.

Trajan is an all-uppercase font which is used in the University’s identity and reflects the history, elegance, and sophistication of this institution. It is used primarily for identification and donor recognition purposes. Since Trajan is only available in uppercase, Garamond Italic was selected to work in harmony and offer greater legibility for large amounts of copy on donor recognition signage.

Please refer to the individual sign type drawings for guidance on the use of fonts. Please note that font substitutions are not acceptable.

It is recommended that the University and selected fabricator purchase these fonts families. They are available from:
Adobe, (800) 682-3623; http://www.adobe.com/type

Tactile letters
ADA tactile letters should be painted using the DIN Schrift Mittelschrift font and have a wider-than-normal-spacing per guidelines. Braille is the same color as the background (or clear) and the fabricator is responsible for accurately creating Grade 2 Braille in support of the tactile message.
At these stairwells, mount signs to columns on glass; use vinyl backer.
NEW SIGNAGE AND WAYFINDING SYSTEM: MAPS
Revised 9/21/11

To: Alumni Quad - 0.5 Miles, Uptown Campus - 2.8 Miles
To: 299 Washington Avenue, Psychological Services Center - 0.5 Miles
To: Washington Park - 0.1 Miles

Convenient Deli & Grocery

Babushka Deli

Milano's Pizza and Deli Shop

College Laundromat

Hawley Library

Draper Hall

Husted Hall

Richardson Hall

Page Hall

Richardson Pedestrian Parking

Husted Student Parking

Pine Hills Elementary School

Albany High School Annex

Legend:
- Bus Stop
- Emergency Blue Light Phone
- Pedestrian Path - Paved
- Student Permit Required 8:00AM-12:00AM Everyday (No Overnight)
- Faculty/Staff Permit Required 8:00AM-4:00PM
- Special Permit Required 24 Hours - Everyday
- Special Dock Permit Required
- University Handicap Permit Required

Sign Locations:
- DP-2 Pedestrian Directional
- DV-2 Vehicular Directional
- DV-3 Vehicular Directional
- IB-4 Building ID-Ground
- IB-6 Building ID-Wall
- IC-2 Campus ID
- MP-2 Pedestrian Campus Map

Wayfinding:
1. DP-2 Pedestrian Directional
2. DV-2 Vehicular Directional
3. DV-3 Vehicular Directional
4. IB-4 Building ID-Ground
5. IB-6 Building ID-Wall
6. IC-2 Campus ID
7. IP-2 Parking ID-Pylon
8. MP-2 Pedestrian Campus Map

Legend:
- A
- B
- C
- D
- E
- F
- G
- H
- I
- J
- K
- 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

YOU
SIGNAGE & WAYFINDING STANDARDS MANUAL

BANNERS

These fabric banners can be pole-mounted or building-mounted. They should be silk-screened or digitally printed to match University colors. They can be used for two different purposes:

Landmarking Banners

When heavily massed in a concentrated area, and intentionally designed for long-distance viewing by using strong colors and simple shapes, large banners create effective landmarks. This can be effectively applied around a reduced Collins Circle Drive; along the south side of Washington Avenue; flanking the Collins Circle Drive entry for a distance of 100 feet in each direction, and similarly at the north side of the Western Avenue entrance; and at the south end of the Podium.

Identity Banners

These banners support the UAlbany identity. Additional special event and special message identity banner programs may be implemented to help enliven the campuses. Additional examples of this approach would be custom banner designs for UAlbany Athletics, performance events, orientation, commencement exercises and academic programs of note.

These banners can also be used to identify destinations such as residence halls in place of ground or wall-mounted identifiers.

Guidelines

Whenever possible the size guidelines specified in the manual must be followed. If efforts to fit within these guidelines are deemed unsuccessful by the project team and there are special/unique needs, then either the length and/or width may be adjusted. For example this may be the case if one needed to "fit" a banner between two existing columns, or to view a banner over a long distance, or to communicate a large amount of information.

One of our concerns is that there are standardized banner support infrastructures in place across the University. To minimize any more difficult issues associated with the proliferation of varying sizes, banner sizes must be standardized and limited to as few as possible.

The standard banner shown in the manual is intended for exterior application and typically when installed hangs down to a height of 14’-0’. Generally, the bottom of banner intended for permanent or extended use should be hung no lower than 14’-0” to avoid vandalism. Banners intended for short term use or where vandalism is not a concern such as a one day event, may be hung lower with ample allowances for pedestrian and vehicular access below where applicable. Also, please note that in-house equipment height/reach for hanging banners off the Podium deck is limited to 20’-0’, and hanging banners off the ground is limited to 50’/30’.

Given are the guidelines of the signage manual and the names of the following places/groups, the "Performance Arts Center", the "University Museum" and the "University Library". The intent is to work in conjunction with representatives from each of these groups, to come up with a banner design to address the special needs of these places/groups on campus. The changeable zones of TB-1 to TB-4 are deemed unsuccessful by the project team and there are no new recommendations. If efforts to fit within these guidelines are deemed unsuccessful by the project team and there are special/unique needs, then either the length and/or width may be adjusted. For example this may be the case if one needed to "fit" a banner between two existing columns, or to view a banner over a long distance, or to communicate a large amount of information.

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Banners can be mounted to the Podium columns. "Fit" is the purpose of these banner types or individual banner sizes. * If individual banner sizes are specified they should be painted white.

\* If individual banner sizes are specified, they should be painted white.

Areas are also available for changeable messages that can be cut-out vinyl or silk-screened.

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These fabricated aluminum letters are used to identify buildings made possible through targeted donations and to give credit to the donors. The 1/2-inch-thick letters are painted gold and pin-mounted 3/8 of an inch off the building facade, with the bottom of the letters aligned with the building mortar. Letter dimensions and location are determined according to the space available. To optimize legibility, there should be a maximum of two lines of copy with a maximum of 30 letters each line (counting spaces). The DIN Schrift Engschrift typeface is used.

Adapting this design for application to Podium-type buildings would require the use of mounting brackets and rails like those used with the Building Identifier Letter sign types (IB-1 and IB-2) on pages 2:11 and 2:12. Letter spacing would be as shown here, without regard to column spacing, rather than the between-column letter spacing used with the larger IB-1 and IB-2 sign types.
BUILDING DONOR IDENTIFIER - PLAQUE

SIGN TYPE: CD-2 (a & b)
FUNCTION: DONOR
PRODUCT: CUSTOM
CAMPUS: ANY

These 1/4-inch-thick bronze plaques are used to identify buildings made possible through targeted donations and to give credit to the donors. They can be used in locations where the use of larger fabricated aluminum letters is impractical, or in situations where a plaque is more appropriate. The smaller CD-2b version of this sign type can be used on the Uptown campus Podium-type architecture, secured to the concrete columns. (The CD-2a should not be used on Podium-type buildings.)

The sign type uses a laser etched University logo and text with the infill painted black. The Trajan Bold typeface is used for the facility or destination name, in small caps at 85 percent of the size of the initial letter of each word. Adobe Garamond Italic is used for the dedication message and donor names.

**CD-2a - Building Donor Identifier - Plaque**

*Note: This sign type should not be used on Podium-type buildings. Use the CD-2b.*

**CD-2b - Building Donor Identifier - Plaque**

*Note: This sign type was designed specifically for Podium-type buildings to be located on a column set out in front of the building or on a column that is integrated into the building’s facade. It can also be used on other buildings where space is limited.*

- **Signage Material:** 1/4" thick aluminum panel with face and sides painted gold metallic; pin mounted 1/4" away from concrete column or building facade; align with building mortar/architecture if possible.
- **Infill:** University logo to be laser etched and infilled black; custom copy (shown for graphic representation only) to be laser etched and infilled with Signal Jet Black matte; font: Adobe Garamond Italic.
- **Type Style:** Trajan Bold in small caps for the facility or destination name.
- **Placement:** Maintain 1/2" margin around panel.
These sign types are used where required by the Americans with Disabilities Act to indicate handicapped-accessible entrances, and to direct people to accessible entrances from non-accessible ones. If any of the entrances into a building are not accessible, then these sign types (whether directional or identifier) are required at all of the building’s entrances as appropriate. If all of the entrances are accessible, then no accessibility signage is required at any of the entrances.

The vinyl Entrance Signs (RE-1 and RE-2) are simply white vinyl applied to a glass door surface and centered horizontally. Text is in the DIN Schrift Engschrift typeface.

The Entrance Plaques (RE-3 and RE-4) are custom painted aluminum panel signs with silk-screened graphics. Text is in the DIN Schrift Engschrift typeface.

Where possible, the vinyl sign types should be used. The Entrance Plaque sign types can be used in locations that do not support the use of vinyl.
**IB-1 • Building Identifier - 24" Letters**

**Sign Type:** IB-1  
**Function:** Identification  
**Product:** Custom  
**Campus:** Any  

Building Identification Letters are a series of letters that are applied to buildings, either through attachment to a rail assembly as shown or as individual pin-mounted letters. In the case of the Podium on the Uptown Campus, one letter would be applied between each of the vertical mullion elements in locations appropriate to support wayfinding, in most cases on all four sides of a given building. Typically, the 24-inch letters are used on the Uptown Campus to identify an entire building or group of buildings, and should be placed in the space between the second and third floors. The 24-inch letters can also be used in other locations on any campus where the large scale of the architecture and longer sight lines warrant their use. For placement guidelines, see the Building Identifier Elevation Reference Drawings in Section 4: Phasing and Implementation Plan.

**Signage & Wayfinding Standards Manual**

New Signage and Wayfinding System  
Revised 9/21/11
Building Identification Letters are a series of letters that are applied to buildings, either through attachment to a rail assembly as shown or as individual pin-mounted letters. In the case of the Podium on the Uptown Campus, one letter would be applied between each of the vertical mullion elements in locations appropriate to support wayfinding.

On the Uptown Campus, the 15-inch letters typically identify more public buildings on the Podium (Performing Arts Center, Library) and major interior destinations within the Podium buildings (Art Museum). They are placed just above the primary entrance to reinforce the points of entry.

These letters can also be used on any campus in locations where the smaller scale of the architecture and shorter sight lines warrant their use.

For placement guidelines, see the Building Identifier Elevation Reference Drawings in Section 4: Phasing and Implementation Plan.

**SIGN TYPE:** IB-2  
**FUNCTION:** IDENTIFICATION  
**PRODUCT:** CUSTOM  
**CAMPUS:** ANY

Building Identification Letters are a series of letters that are applied to buildings, either through attachment to a rail assembly as shown or as individual pin-mounted letters. In the case of the Podium on the Uptown Campus, one letter would be applied between each of the vertical mullion elements in locations appropriate to support wayfinding.

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These letters can also be used on any campus in locations where the smaller scale of the architecture and shorter sight lines warrant their use.

For placement guidelines, see the Building Identifier Elevation Reference Drawings in Section 4: Phasing and Implementation Plan.

**SIGN TYPE:** IB-2  
**FUNCTION:** IDENTIFICATION  
**PRODUCT:** CUSTOM  
**CAMPUS:** ANY

Building Identification Letters are a series of letters that are applied to buildings, either through attachment to a rail assembly as shown or as individual pin-mounted letters. In the case of the Podium on the Uptown Campus, one letter would be applied between each of the vertical mullion elements in locations appropriate to support wayfinding.

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These letters can also be used on any campus in locations where the smaller scale of the architecture and shorter sight lines warrant their use.

For placement guidelines, see the Building Identifier Elevation Reference Drawings in Section 4: Phasing and Implementation Plan.

**SIGN TYPE:** IB-2  
**FUNCTION:** IDENTIFICATION  
**PRODUCT:** CUSTOM  
**CAMPUS:** ANY

Building Identification Letters are a series of letters that are applied to buildings, either through attachment to a rail assembly as shown or as individual pin-mounted letters. In the case of the Podium on the Uptown Campus, one letter would be applied between each of the vertical mullion elements in locations appropriate to support wayfinding.

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These letters can also be used on any campus in locations where the smaller scale of the architecture and shorter sight lines warrant their use.

For placement guidelines, see the Building Identifier Elevation Reference Drawings in Section 4: Phasing and Implementation Plan.

**SIGN TYPE:** IB-2  
**FUNCTION:** IDENTIFICATION  
**PRODUCT:** CUSTOM  
**CAMPUS:** ANY

Building Identification Letters are a series of letters that are applied to buildings, either through attachment to a rail assembly as shown or as individual pin-mounted letters. In the case of the Podium on the Uptown Campus, one letter would be applied between each of the vertical mullion elements in locations appropriate to support wayfinding.

On the Uptown Campus, the 15-inch letters typically identify more public buildings on the Podium (Performing Arts Center, Library) and major interior destinations within the Podium buildings (Art Museum). They are placed just above the primary entrance to reinforce the points of entry.

These letters can also be used on any campus in locations where the smaller scale of the architecture and shorter sight lines warrant their use.

For placement guidelines, see the Building Identifier Elevation Reference Drawings in Section 4: Phasing and Implementation Plan.
**SIGN TYPE:** IB-3  
**FUNCTION:** IDENTIFICATION  
**PRODUCT:** CUSTOM  
**CAMPUS:** UPTOWN

Ground-Mounted Building Identifiers are placed in high-visibility areas to mark the location of key buildings and departments. The signs can be either single- or double-sided. This version of the sign type uses painted, pin-mounted aluminum letters and an engraved University logo on a granite veneer monument with a fabricated aluminum cap painted to match the granite. Aluminum accent bars on the pillars are painted gold. The infill of the logo is recessed and painted gray and the logo itself is painted white. Text is in the Trajan Bold typeface.

Ground, in-grade, up-lighting (Hydrel 6100 Series or equal) is required to illuminate the signs in low-light conditions. Illumination light levels should typically fall between 15 and 25 footcandles. A time clock or photo-electric switch to control the light should be discreetly, but functionally, located.
**Ground-Mounted Building Identifiers**

Terms and definitions:
- **IB-4 - Building Identifier - Ground (Downtown)**

**Function:**
- IDENTIFICATION

**Product:**
- CUSTOM

**Campus:**
- DOWNTOWN

**SIGN TYPE:**

**DESCRIPTION:**

Ground-Mounted Building Identifiers are placed in high-visibility areas to mark the location of key buildings and departments. The signs can be either single- or double-sided. This version of the sign type uses painted, pin-mounted aluminum letters and an engraved University logo on a limestone veneer monument with a fabricated aluminum cap painted to match the limestone. Red brick columns on either side of the sign match the brick of surrounding campus buildings. The infill of the logo is recessed and painted gray and the logo itself is painted white. Text is in the Trajan Bold typeface.

- **Sign can be single- or double-sided.**
- **If sign is double-sided, logo and copy appear on opposite face in same manner.**
- **If single-sided, the back of the sign is blank.**

**Specifications:**

- **Logo engraved/recessed into limestone; uppermost surface painted white.**
- **1/4" aluminum letters painted MP Signal Jet Black; return painted black; pin mounted flush, Trajan Bold font.**
- **Red brick columns to match same brick as on existing campus buildings.**
- **Custom sign with 2" limestone veneer and fabricated aluminum curved filler cap.**
- **Limestone column base.**
- **Below-grade footing per code; pad per University specifications.**
- **Fabricated aluminum curved cap painted to match limestone.**
- **Limestone.**

**Power:**

- **110-120 VAC, 6’-7” (100W max).**

**Lighting:**

- **In-grade up-lighting (Hydrel 6100 Series or equal) is required to illuminate the sign in low-light conditions. Illumination light levels should typically fall between 15 and 25 footcandles. A time clock or photo-electric switch to control the light should be discreetly, but functionally, located.**

Consult manufacturer’s websites:
- [http://www.hydrel.com](http://www.hydrel.com)
- [http://www.lithonia.com/floodlighting](http://www.lithonia.com/floodlighting)

**For technical and installation specifications.**
**NEW SIGNAGE AND WAYFINDING SYSTEM: EXTERIOR SIGN TYPES**

**Sign Type:** IB-5  
**Function:** Identification  
**Product:** Custom  
**Campus:** East

Ground-Mounted Building Identifiers are placed in high-visibility areas to mark the location of key buildings and departments. The signs can be either single- or double-sided.

This Building Identifier is used on the East Campus and is designed to reflect the architecture of the new Cancer Research Center building. The sign incorporates a white marble veneer sign face and fabricated curved aluminum columns painted white and wrapped in silver metallic accent bars, atop a granite base. It uses pin-mounted aluminum letters painted black to spell out the building name, and an engraved, infilled University logo.

All text is in the Trajan Bold typeface.

Ground, in-grade, up-lighting (Hydrel 6100 Series or equal) is required to illuminate the signs in low-light conditions. Illumination light levels should typically fall between 15 and 25 footcandles. A time clock or photo-electric switch to control the light should be discreetly, but functionally, located.

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**IB-5 - Building Identifier - Ground (East)**

**Scale:** 1/2"=1'-0"
**IB-6 - Building Identifier - Wall-mounted**

**Scale:** 1”=1'-0"

- **Sign Type:** IB-6
- **Function:** Identification
- **Product:** APCO / CUSTOM
- **Campus:** ANY

This two-inch-deep painted aluminum panel sign is used to identify ancillary buildings and primary departments that are not located in the Podium. Locations on the Alumni Quad would be appropriate, for example.

The sign is pin-mounted flush to the wall and uses a removable aluminum panel to allow for future updating. The building or department title is silk-screened in the Trajan Bold typeface on the panel, and the University logo is silk-screened onto the header.

**Details:**
- Black silk-screened letters, Trajan Bold font
- Black silk-screened header and footer
- Icon silk-screened MP Signal Jet Black and white
- Removable/changeable aluminum sign panel painted white; pin-mounted flush to building wall
- Top of sign aligned to the top of the door

**Legend:**
- Gold Metallic
- Signal Jet Black
- White
White vinyl letter forms and graphics; applied to window’s second surface.

Building name; Trajan Bold font.

IB-7 - Building Identifier - vinyl on glass
Scale: 1\(\frac{1}{2}\)"=1'-0"

SIGN TYPE: IB-7
FUNCTION: IDENTIFICATION
PRODUCT: VINYL
CAMPUS: ANY

Used in addition to other building identification signs, white vinyl graphics and letters applied to glass can identify additional entrances to buildings and major departments within a building, particularly in locations where a wall-mounted identifier is impractical. They can also be used to identify secondary destinations that do not warrant a wall-mounted building identifier due to their limited relevance to the public. This approach may not be appropriate on Podium-type buildings because of their narrow windows.

The Trajan Bold typeface is used for the building and/or department title.
The 36 inch thick, black painted letters require 3/8 of an inch studs to connect them to the 2 inch by 2 inch aluminum tubing frame. The frame is to be attached to the top band of buildings, approximately 23 stories above grade. The DIN Schrift Engschrift typeface is used.

The low voltage electrical power supply provides backlighting to enhance the view of the letters at night. The backlighting will be done with white LED’s with a 3/16 of an inch clear Lexan plastic back. The letters will be aesthetically pleasing due to the halo lighting effect at night. Day or night due to the high location, the letters will help orient visitors at any point on campus.

There are to be four (4) signs on each of four (4) Quads:
Colonial, Indian, Dutch and State.

Total: Sixteen (16) signs.
These signs can be used to list tenants in University facilities in situations where tenants call for identification outside a building as well as inside. The modular aluminum post-and-panel signs use a custom aluminum cap painted gold, and white painted posts. The University logo is silk-screened on the cap in black and white. Changeable message panels are painted white and use surface-applied black vinyl lettering. The Trajan Bold typeface is used to identify the facility and DIN Schrift Engschrift is used to list the tenants.
These Campus Identifiers are placed along the perimeter of the Uptown Campus — primarily at the main Washington and Western avenue entrances — to identify the campus, help define its boundaries and affirm a visitor’s arrival. The signs can be either single- or double-sided. The sign uses pin-mounted aluminum letters painted gold, engraved text and street numbers infilled with black, and an engraved University logo. The infill of the logo is painted gray and the logo itself is painted white.

This version uses a granite veneer with a fabricated aluminum cap painted to match the veneer, and gold painted aluminum accent bars on the pillars. The granite relates visually to the architecture on the Uptown Campus. The University name is rendered in the approved University logotype dimensions, and the street numbers are in the DIN Schrift Engschrift typeface.

Ground, in-grade, up-lighting (Hydrel 6100 Series or equal) is required to illuminate the signs in low-light conditions. Illumination light levels should typically fall between 15 and 25 footcandles. A time clock or photo-electric switch to control the light should be discreetly, but functionally, located.

NOTE: Once the Balsley Plan for landmarking at Uptown Campus entrances is implemented, these Campus Identifier signs can either be moved off the campus perimeter to flank the University Drive at each entrance, or removed altogether.
These Campus Identifiers are placed along the perimeter of the Downtown Campus to identify the campus, help define its boundaries and affirm a visitor’s arrival. The signs can be either single- or double-sided. The sign uses pin-mounted aluminum letters painted gold and engraved text infilled with black, and an engraved University logo. The infill of the logo is painted gray and the logo itself is painted white.

This version uses a limestone veneer with a fabricated aluminum cap painted to match the veneer, and red brick pillars that match the brick used on surrounding buildings. The limestone and brick relate visually to the dominant architecture on the campus. The University name is rendered in the approved University logotype dimensions.

Ground, in-grade, up-lighting (Hydrel 6100 Series or equal) is required to illuminate the signs in low-light conditions. Illumination light levels should typically fall between 15 and 25 footcandles. A time clock or photo-electric switch to control the light should be discreetly, but functionally, located.
These Campus Identifiers can be used on the East Campus to identify the campus, help define its boundaries and affirm a visitor’s arrival. The signs can be either single- or double-sided. They were designed to reflect the architecture of the new Cancer Research Center building. The sign incorporates a white marble veneer sign face and fabricated curved aluminum columns painted white and wrapped in silver metallic accent bars atop a granite base. It uses pin-mounted aluminum letters painted gold for the university name, etched and infilled or dimensional letters to spell out “State University of New York,” and an engraved or silk-screened University logo. If engraved, the infill of the logo is painted gray and the logo itself is painted white (or is white marble).

The University name is rendered in the approved University logotype dimensions.

Ground, in-grade, up-lighting (Hydrel 6100 Series or equal) is required to illuminate the signs in low-light conditions. Illumination light levels should typically fall between 15 and 25 footcandles. A time clock or photo-electric switch to control the light should be discreetly, but functionally, located.
This design is based on refacing the front face of the existing Uptown Campus identification sign located at the corner of Washington Avenue and Fuller Road. It helps to define the campus boundaries and let visitors know that they have arrived.

The sign uses a white granite veneer and fabricated aluminum and engraved letters with the engraved text infilled black. Gold painted aluminum accents are used on the side pillars. A fabricated aluminum curved cap and column caps are painted to match the granite. The veneer relates visually to the architecture on the Uptown Campus. Text is in the Trajan Bold typeface.

Ground, in-grade, up-lighting (Hydrel 6100 Series or equal) is required to illuminate the signs in low-light conditions. Illumination light levels should typically fall between 15 and 25 footcandles. A time clock or photo-electric switch to control the light should be discreetly, but functionally, located.
TOP VIEW

White Avonite simulated granite veneer
Fabricated aluminum curved cap painted to match Avonite simulated granite
Logo etched into 1/2" Avonite simulated granite veneer; centered in arch; infill painted Steel Wool; uppermost surface painted white
"P" symbol and lot number to be high-performance black vinyl text; DIN Schrift Engschrift typeface
Lot name high-performance black vinyl; font Trajan Bold
High-performance reflective white vinyl background with high-performance black vinyl text.
Rule to be painted MP Gold Metallic
L/2" Avonite simulated granite veneer
Below-grade footing per code; pad per University specifications

ISOMETRIC VIEW

Changeable/removable panels allow for message updating

SIDE VIEW

L/2" Avonite simulated granite veneer
Fabricated aluminum curved cap painted to match Avonite simulated granite
Rule to be painted MP Gold Metallic
High-performance reflective white vinyl text.
L/2" Avonite simulated granite veneer
Below-grade footing per code; pad per University specifications

POSSIBLE MESSAGES - top panel

IP-1-P VISITOR PARKING 1
IP-2-P VISITOR PARKING 2
IP-3-P COLONIAL QUAD
IP-4-DUTCHE QUAD
IP-5-FREEDOM QUAD
IP-6-INDIAN QUAD
IP-7-STATE QUAD
IP-8-UNIVERSITY AT ALBANY
IP-9-ATHLETIC COMPLEX

POSSIBLE MESSAGES - bottom panel

IP-1-a
IP-1-b
IP-1-c
IP-1-e
IP-1-f
IP-1-g
IP-1-h
IP-2-a
IP-2-b
IP-2-c
IP-2-d
IP-2-e
IP-2-f
IP-2-g
IP-2-h
IP-3-a
IP-3-b
IP-3-c
IP-3-d
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IP-8-h
IP-9-a
IP-9-b
IP-9-c
IP-9-d
IP-9-e
IP-9-f
IP-9-g
IP-9-h

Note: Messaging shown on this page is for illustration purposes only to represent the possible messaging that could be used to designate and regulate parking on the campuses. The University’s parking authority should be consulted on proper wording before any signs designating or regulating parking are ordered.
### NEW SIGNAGE AND WAYFINDING SYSTEM: EXTERIOR SIGN TYPES

**SIGN TYPE:** IP-2  
**FUNCTION:** IDENTIFICATION  
**PRODUCT:** APCO / CUSTOM  
**CAMPUS:** DOWNTOWN

These signs identify major Downtown Campus parking. A changeable inset panel can carry additional information or list the campus facilities best accessed from the parking area.

The signs use a limestone veneer and brick base with an aluminum cabinet and cap. The cabinet is painted white and the cap is painted to match the limestone base. The University logo is silk-screened onto the cap. The changeable/removable face is high-performance reflective white vinyl with high-performance black vinyl text and graphics. A painted gold band gives added emphasis to the “Permit Required” regulatory statement at the bottom of the sign face. The parking area name is rendered in the Trajan Bold typeface in all caps. Other information is in the DIN Schrift Engschrift typeface.

#### Sequence of Encounter

The graphic below illustrates how a driver, upon entering the campus, might encounter a sequence of signs leading into a parking lot.

- **IP-1, 2 or 3** Parking Identifier sign located at the main entrances to parking.
- **IP-4** Parking Aisle Identifier sign.
- **DV-1, 2 or 3** Campus Vehicular Directional sign guiding the driver to the appropriate parking lot.

Note: Messaging shown on this page is for illustration purposes only to represent the possible messaging that could be used to designate and regulate parking on the campuses. The University’s parking authority should be consulted on proper wording before any signs designating or regulating parking are ordered.
**NEW SIGNAGE AND WAYFINDING SYSTEM: EXTERIOR SIGN TYPES**

**Revised 9/21/11**

**POSSIBLE MESSAGES - large single panel**

*IP3-1*

**SERVICE VEHICLES**  
**PERMIT REQUIRED**

**POSSIBLE MESSAGES - small top panel**

*IP3-t1*

**FACILITY / STAFF PARKING**  
**8AM - 4 PM     MONDAY - FRIDAY**  
**Student Parking Permitted At Other Times with Decal**  
**PERMIT REQUIRED**

**POSSIBLE MESSAGES - bottom panel**

*IP3-b1*

**FACILITY / STAFF PARKING**  
**Service Vehicles**

**Note:** Messaging shown on this page is for illustration purposes only to represent the possible messaging that could be used to designate and regulate parking on the campuses. The University’s parking authority should be consulted on proper wording before any signs designating or regulating parking are ordered.

**SEQUENCE OF ENCOUNTER**

The graphic below illustrates how a driver, upon entering the campus, might encounter a sequence of signs leading into a parking lot.

**IP-1, 2 or 3**

Campus Vehicular Directional sign guiding the driver to the appropriate parking lot.

**IP-1, 2 or 3**

Parking Identifier sign located at the main entrances to parking.

**RP**

General parking regulatory and/or information sign.

These signs are used to identify entrances to lots that are not used by the public (at smaller parking areas reserved for faculty and staff or those used by service vehicles, for example). When configured with two panels, the lower panel can carry additional information or list the facilities best accessed from the lot.

The modular aluminum post-and-panel signs are painted white and use a custom aluminum arch that is painted gold. The University logo is applied to the arch with black and white vinyl. The removable/changeable sign face is high-performance reflective white vinyl with high-performance black vinyl lettering and graphics. The facility or parking lot name is rendered in the Trojan Bold typeface. Other information is in the DIN Schrift Englisch typeface.

**SIGN TYPE:**  
**FUNCTION:**  
**PRODUCT:**  
**CAMPUS:**

ANY

**APCO / CUSTOM**

**General parking regulatory and/or information sign.**

**Note:** Messaging shown on this page is for illustration purposes only to represent the possible messaging that could be used to designate and regulate parking on the campuses. The University’s parking authority should be consulted on proper wording before any signs designating or regulating parking are ordered.
Three-sided triangle sign type is a single sheet of cut and bent 0.10” aluminum, supported on the existing post with stainless steel banding. It is designed to work with posts of varying diameter, taper and cross-section shapes. It is also designed to avoid any penetration of the post.

A set of two s.s. bands are threaded through appropriate slots in the end panels, pulling the end panels onto the post, and centering the assembly around the post.

The bands are cinched tightly around the post. VHB tapes may also be used to assist in stabilizing the assembly onto post.

Stainless steel bands, bolts, nuts and other attachment hardware to be industry standard.

Sequence of Encounter

The graphic below illustrates how a driver, upon entering the campus, might encounter a sequence of signs leading into a parking lot.

These three-sided pole-mounted aluminum signs are used at regular intervals on large campus lots to help people locate their cars. They are painted black and white with high-performance vinyl graphics. The aisle number is in the Trojan Bold typeface, while the lot name is in the DIN Schrift Engschrift typeface.
These pole-mounted white painted aluminum signs with vinyl graphics are used to convey parking restrictions and provide other regulatory information. The sign type template is divided into zones as needed. For the "a" template, the top zone is reserved for a symbol or arrow. The middle zone uses a colored background to indicate the audience (gold for students, purple for faculty and staff, blue for barrier-free parking, red for other audiences or restrictions). The bottom zone, if needed, uses black or red text to indicate time limits, consequences, or other regulatory information. The "b" template is more for identification or informational purposes. It only has one zone that consists of a symbol and copy.

Sequence of Encounter
The graphic below illustrates how a driver, upon entering the campus, might encounter a sequence of signs leading into a parking lot.

- **IP-1, 2 or 3 Parking Identifier sign located at the main entrances to parking.**
- **DV-1, 2 or 3 Guiding the driver to the appropriate parking lot.**
- **RP-1 Parking Aisle Identifier sign.**
- **RP-2 General parking regulatory and/or informational sign.**

**NEW SIGNAGE AND WAYFINDING SYSTEM: EXTERIOR SIGN TYPES**

Revised 9/21/11
These pedestrian orientation signs are located along primary pedestrian routes around the campus, especially at exits from visitor parking lots and at gathering places. They hold fiberglass-embedded map graphics printed in UV-resistant inks that depict the entire campus and identify major destinations and facilities including parking lots, building entrances and emergency phones. The map should always be properly oriented to the viewer in that if North is up on the map, the viewer should be looking North.

The Columnar structure is primarily for the Uptown Campus. Black aluminum panels displaying a white vinyl question mark are mounted at the top of the 10” Avonite simulated granite pillar on all four sides, to help visitors identify the maps from a distance and so it can be seen over parked vehicles. Gold painted aluminum accent bars surround the pillar below the aluminum panels. The base is wrapped in 1/2” Avonite simulated granite veneer.

The alternative Pedestal mount can be used on any campus. The white aluminum pedestal holds the same map sign cabinet as the MP-1 and is supported with a cast concrete base.
These custom acrylic panel signs are painted gold and use square end caps painted black. A silk-screened map of the Podium displaying major buildings and a “You” symbol is correctly oriented to the viewer's position. Changeable/removable black styrene inserts with clear protective overlays and white vinyl text and symbols point out high-level destinations. Gold painted bars separate the map from the destination listings. Text is in the DIN Schrift Einstiftung typeface (the “You” in the orientation graphics is in Trojan Bold).

The signs are placed on the “outside” of the Podium columns so that viewers can compare the map to the view in front of them across the Podium, and so that the maps are not visible from the Carillon. The large illustration here shows an installation along the north side of the Podium with the map orientation “south up.” It is important that these maps be oriented properly for each of the four possible map orientations (the square area of the map will accommodate this).

These signs can also be used with existing Quad dormitory housing maps at locations on the Quads. For mounting details, refer to Exterior Wall Mounting Conditions: Condition B under the Installation of Signs section on page 2.44.
NEW SIGNAGE AND WAYFINDING SYSTEM: EXTERIOR SIGN TYPES

SIGN TYPE: DP-2
FUNCTION: WAYFINDING
PRODUCT: CUSTOM
CAMPUS: ANY

These post- or rail-mounted aluminum signs are used to route people to selected destinations within walking distance. They are painted white and use silk-screened black text and arrow graphics, and a silk-screened black and white University logo on a painted gold header. The destinations are divided by direction (left, then right, then straight ahead as needed) and painted gold divider lines separate the directional groupings. Text is in the DIN Schrift Engschrift typeface.

**TOP VIEW**
- Stadium
- Locker Room
- Physical Education
- RACC Entrance
- Visiting Team

**SIDE VIEW**
- DP-2 - Pedestrian Directional-Post/Panel
  - Scale: 3” = 1’-0"
  - 1/8” thick aluminum panel; back of sign is painted white.

**SIDE VIEW**
- 3/4” radius corner
- Post mounting
- Rail mounting

**BACK VIEW**
- Isometric not to scale
- Provide a rubber gasket or use VHB tape at interface with the railing

**POST MOUNTING**
- Bolt to secure sign onto post; painted same color as sign background.
- 2” diameter circular square post; painted white with cap on top end.
- Logo painted MP Signal Jet Black; white silk-screened graphics
- Header painted MP 21249 Medium Red Gold Metallic Satin Finish
- 1/8” thick aluminum panel painted white with silk-screened graphics; back and sides are also painted white
- Silkscreened graphics painted to match MP Signal Jet Black, matte finish; font DIN Schrift Engschrift
- Direction divider rule line painted MP 21249 Medium Red Gold Metallic Satin Finish; located 3/4” above copy
- Silkscreened graphics painted to match MP Signal Jet Black, matte finish; font DIN Schrift Engschrift
- Space between copy can vary based on number of lines, minimum 3/4”, standard 1”
- Footer painted MP 21249 Medium Red Gold Metallic Satin Finish
- 1/8” thick aluminum graphic panel; back is painted white; mounted to backer using 3M VHB tape
- 1/8” aluminum backer plate; painted white
- Aluminum support welded to backer plate; painted white
- Tamper-resistant stainless steel fasteners are bolted through bottom base of support panel to secure sign to an existing railing

**RAIL MOUNTING**
- Existing railing may vary; site verify (mounting intent derived from the existing rail on the Uptown Campus’ Podium)
- Provide a rubber gasket or use VHB tape at interface with the railing
- Existing railing may vary; site verify (mounting intent derived from the existing rail on the Uptown Campus’ Podium)

**ALUMINUM SUPPORT**
- 1/8” aluminum graphic panel; back is painted white; mounted to backer using 3M VHB tape
- 1/8” aluminum backer plate; painted white
- Aluminum support welded to backer plate; painted white
- Tamper-resistant stainless steel fasteners are bolted through bottom base of support panel to secure sign to an existing railing

**BOLTS**
- Tamper-resistant stainless steel fasteners are bolted through bottom base of support panel to secure sign to an existing railing

**GASKETS**
- Provide a rubber gasket or use VHB tape at interface with the railing

**SIGN TYPE:** DP-2
**FUNCTION:** WAYFINDING
**PRODUCT:** CUSTOM
**CAMPUS:** ANY

Revised 9/21/11
NEW SIGNAGE AND WAYFINDING SYSTEM: EXTERIOR SIGN TYPES

SIGN TYPES: NB-1, NB-2

FUNCTION: DISPLAY

PRODUCT: APCO / CUSTOM

CAMPUS: ANY

These one- or four-sided signs are typically mounted to columns in the Uptown Campus Podium and used to post announcements of upcoming campus events and other temporary notices, though they can also be used in other locations. The modified aluminum display cabinets have locked doors with tempered glass and contain self-healing corkboard display panels that can hold either a single 11-by-17-inch sheet or two 8 1/2-by-11-inch sheets. The University logo is silk-screened onto the display panel header. The signs can also accept changeable message strips, a magnetic display board or a changeable letter board in lieu of the corkboard display panel.

The four-sided column-mounted version should only be used in isolated instances (i.e., by the Performing Arts Center, Campus Center, Library or within the Student Quads). When locating the one-sided column-mounted version on the Podium, the signs should not be placed on the side of the column facing the Carillon, so that they are not visible to the Carillon, it should not face the Carillon (to keep the inside of the Podium clean).

The one-sided column-mounted version on the Podium, or within the Student Quads). When locating the one-sided column-mounted version on the Podium, the signs should not be placed on the side of the column facing the Carillon, so that they are not visible to the Carillon, or the Podium. These one-sided signs can also be used outside buildings like Parking Management or a cafeteria to list hours of operation. If space is available, the board should be a standard APCO (or similar vendor) size.

Revised 9/21/11
These granite pylon signs are used to mark pedestrian trails on the Uptown Campus. The University icon is spray painted onto the pylon in white and gold. A recessed panel on each side holds a gold-painted aluminum plate onto which the trail name is spray-painted in black. The name is rendered in capital letters in the Trajan Bold typeface.
The kiosks display information about the outstanding Alumni of The University at Albany. These displays will honor the past students and be inspiration to the new and current students. These displays can be fabricated as either single faced wall mounted, four sided around existing columns, or three sided free standing. Each designed kiosk has extruded aluminum radius vertical corners. The display panel has self healing corkboard and is covered with 3/8” tempered glass in an aluminum frame. The door of the kiosk will be hinged with an aluminum piano hinge on the right side. The frame will be secured by a lock at the top and/or bottom of the extrusion. All panels have a 1/2” sintra as a substrate with an outdoor, solvent based inkjet print on 3M controltac vinyl applied to surface. This also has print guard UV matte applied over printed vinyl to retard fading.
These one- or two-sided signs located on the Uptown and East campuses support wayfinding to major public parking lots and to Top Destinations within the immediate area of each sign. This sign type should be used as needed before intersections with secondary roads, at vehicular decision points, and at approximately 600-foot intervals along longer routes for reinforcement of wayfinding messages. The signs use a 1/2" Avonite simulated granite veneer and a fabricated aluminum curved cap painted to match the veneer. The University logo is etched into the veneer with the infill painted gray and the logo itself painted white. Gold rules are used to separate directional groupings (left, then right, then straight ahead as needed). The modular fiberglass sign element holds interchangeable high-performance reflective white vinyl panels to allow easy updating by the University Sign Shop. Lettering is rendered in high-performance black vinyl in the DIN Schrift Engschrift typeface, and high-performance reflective white vinyl is also used for the arrow and any “Circle P” parking symbol. Temporary event messages can also be used with a purple background and high-performance reflective white vinyl lettering. Each sign can support wayfinding to up to 11 destinations. If a particular location requires wayfinding to more than 11 destinations, a second sign can be installed approximately 60 feet beyond the first to wayfind to the remaining destinations. Destinations should be divided by directional groupings between the two signs, with the left-hand directional destinations listed on the first sign (or left-hand and then right-hand directional destinations if space permits). Ground, in-grade, up-lighting (Hydrel 6100 Series or equal) is required, with a discreetly, but functionally placed photo-electric switch, to illuminate the signs in low-light conditions.
**NEW SIGNAGE AND WAYFINDING SYSTEM: EXTERIOR SIGN TYPES**

**SIGN TYPE:** DV-2  
**FUNCTION:** WAYFINDING  
**PRODUCT:** APCO / CUSTOM  
**CAMPUS:** DOWNTOWN

These one- or two-sided signs located on the Downtown Campus support wayfinding to major public parking lots and to Top Destinations within the immediate area of each sign. This sign type should be used as needed before intersections with secondary roads, at vehicular decision points, and at approximately 600-foot intervals along longer routes for reinforcement of wayfinding messages.

The signs use a limestone base, red brick detail to match the campus architecture, and a fabricated aluminum curved cap painted to match the limestone. The University logo is silk-screened onto the cap. Gold rules are used to separate directional groupings (left, then right, then straight ahead as needed).

The modular fiberglass sign element holds interchangeable high-performance reflective white vinyl panels to allow easy updating by the University Sign Shop. Lettering is rendered in high-performance black vinyl in the DIN Schrift Engschrift typeface, and high-performance black vinyl is also used for the arrow and any “Circle P” parking symbol graphics. Temporary event message panels can also be used with a purple background and high-performance reflective white vinyl lettering.

Each sign can support wayfinding to up to 11 destinations. If a particular location requires wayfinding to more than 11 destinations, a second sign can be installed approximately 60 feet beyond the first to wayfind to the remaining destinations. Destinations should be divided by directional groupings between the two signs, with the left-hand directional destinations listed on the first sign (or left-hand and then right-hand directional destinations if space permits).

Ground, in-grade, up-lighting (Hydrel 6100 Series or equal) is required, with a discreetly, but functionally placed photo-electric switch, to illuminate the signs in low-light conditions.
NOTE: Signs may be single or double sided

These signs can be used to support wayfinding to smaller and less public parking lots like those intended for service vehicles, and in situations where the DV-1 and DV-2 sign types may be more than is needed due to the campus size, road speed or number of destinations. They also can be used to indicate the direction to another campus and to convey the distance to that campus.

The modular aluminum post-and-panel signs are painted white and use a custom aluminum cap painted gold. Horizontal spacers painted metallic gold are used to separate the header and each of the directional groupings (left, then right, then straight ahead as needed) from each other. The University logo is applied to the cap with surface-applied high-performance black and white reflective vinyl.

The modular sign holds interchangeable high-performance white reflective vinyl panels to allow easy updating by the University Sign Shop. Lettering is rendered in high-performance black vinyl in the DIN Schrift Engschrift typeface, and high-performance black vinyl is also used for the arrow and any "Circle P" parking symbol graphics.

Each sign can support wayfinding to up to seven destinations, however a blank panel is recommended above a change in direction. If a particular location requires wayfinding to more than seven destinations, a second sign can be installed approximately 60 feet beyond the first to wayfind to the remaining destinations. Destinations should be divided by directional groupings between the two signs, with the left-hand directional destinations listed on the first sign (or left-hand and then right-hand directional destinations if space permits).
**NEW SIGNAGE AND WAYFINDING SYSTEM: EXTERIOR SIGN TYPES**

Revised 9/21/11

**VEHICULAR LED MESSAGE SIGN**

<table>
<thead>
<tr>
<th>SIGN TYPE:</th>
<th>NE</th>
</tr>
</thead>
<tbody>
<tr>
<td>FUNCTION:</td>
<td>PROGRAMMABLE ELECTRONIC DISPLAY</td>
</tr>
<tr>
<td>PRODUCT:</td>
<td>HI-TECH / CUSTOM</td>
</tr>
<tr>
<td>CAMPUS:</td>
<td>ANY</td>
</tr>
</tbody>
</table>

This two-sided granite veneer sign with a built-in LED display is used to announce short-term events such as sport events, alumni weekends, orientation week, and museum showings. University Athletics would like one sign to be placed along Western Avenue to advertise sporting events. Another identical sign could be located along Washington Avenue to advertise University-wide activities.

The sign uses an engraved University logo on a granite veneer monument with painted aluminum accents on the side pillars, and a fabricated aluminum curved cap and column cap painted to match the granite veneer. The infill of the logo is painted gray and the logo itself is painted white. The aluminum accents are painted gold.

The two-sided, single-color LED display can show up to three lines of text, and the programmable message board can be updated via phone line using PC software. One or two (alternating) messages can be presented at a time. Motion and special effects can be used as an option where allowed by zoning.

** Overview of the NE - Vehicular LED Message Sign:**

- **Scale:** 1/2”=1’-0”
- **Function:** Programmable Electronic Display
- **Product:** Hi-Tech / Custom
- **Campus:** Any

**Features:**
- Double-sided granite veneer sign with a built-in LED display.
- Engraved University logo on a granite veneer monument.
- Painted aluminum accents on the side pillars.
- Fabricated aluminum curved cap and column cap painted to match granite veneer.
- LED display with up to 300' visibility.
- Programmable message board.
- Motion and special effects as an option.

**Specifications:**
- LED display size: 2’-0” x 1’-6”
- Visibility: 300’
- Data transmission: Phone line
- Characters: 6
- Pitch: 3.333
- Design criteria: UL approved materials
- Luminous intensity: 4,300 mcd
- Brightness: 3,720 cd/m²
- Life: 100,000 hours
- Current: 20 mA
- Wattage: 0.42 W per pixel
- Power supply: 110 V AC @ 25 amp
- Surge protectors: Built-in

**Details:**
- Top view:
  - Engraved recessed panels with bevel edge centered within column base.
  - Below grade footing per code; pad per University specifications.
  - Fabricated aluminum curved cap and column cap painted to match granite veneer.

- Side view:
  - Built-in surge protectors; require a dedicated circuit breaker (no sharing).
  - Motion and special effects as an option.

- Isometric view:
  - Logo engraved/recessed into granite;
  - Uppermost surface painted white.
  - Alumimum accents painted gold.

- Communications Stub:
  - Electrical Stub:

**Diagram Details:**

- Gold Metallic Painted Aluminum to match granite
- Bethel White Granite Veneer
- Steel Wool White
- MP04761 Signal Jet Black
- White

- EN - Vehicular LED Message Sign
  - Scale: 1/2”=1’-0”
This two-sided granite veneer sign with a built-in LED display is used to announce short-term events such as sport events, alumni weekends, orientation week, and museum showings. The two signs located at the two main entrances of the Uptown campus; Washington Ave and Western Ave. The University logo is sandblasted on a granite veneer monument with gold painted aluminum accents on the side pillars, and a fabricated aluminum curved cap and column cap painted to match the granite veneer. The infill of the logo is painted gray and the logo itself is painted white. The LED display can show up to three lines of text, and the programmable message board can be updated via phone line using PC software. One or two (alternating) messages can be presented at a time. Motion and special effects can be used as an option where allowed by zoning.

**SIGN TYPE:** NE-IC-1  
**FUNCTION:** PROGRAMMABLE ELECTRONIC DISPLAY  
**PRODUCT:** HI-TECH / CUSTOM  
**CAMPUS:** UPTOWN

This two-sided granite veneer sign with a built-in LED display is used to announce short-term events such as sport events, alumni weekends, orientation week, and museum showings. The two signs located at the two main entrances of the Uptown campus; Washington Ave and Western Ave. The University logo is sandblasted on a granite veneer monument with gold painted aluminum accents on the side pillars, and a fabricated aluminum curved cap and column cap painted to match the granite veneer. The infill of the logo is painted gray and the logo itself is painted white. The LED display can show up to three lines of text, and the programmable message board can be updated via phone line using PC software. One or two (alternating) messages can be presented at a time. Motion and special effects can be used as an option where allowed by zoning.
**VEHICULAR STREET IDENTIFIER**

**SIGN TYPE:** IS  
**FUNCTION:** IDENTIFICATION  
**PRODUCT:** CUSTOM  
**CAMPUS:** ANY

These aluminum blade signs are placed at street intersections on University campuses, and help reinforce the University identity. They should be placed at all intersections, replacing existing street signs where they exist.

The signs are painted black and use white reflective vinyl for the street name. The University logo is applied with gold and white reflective vinyl. Street names are rendered in the Trajan Bold typeface, while the street type (“DRIVE,” “AVE,” etc.) is in capital letters in the DIN Schrift Engschrift typeface. The 2 1/4–inch square posts are painted black.

**SIGN BLADE DETAIL**

Since the maximum sign blade length is 3'-8", long names will need to be tightened and/or letter compressed to the minimum amount necessary. If the copy needs to be compressed more than 75% in order to fit, the cap height can be reduced in increments of 1/2", no smaller than 1 1/2".

**BRACKET DETAIL 1**

#9505 SURF-LOK CROSS  
90 degree cross separator for use with any post cap  

**BRACKET DETAIL 2**

#97505 SURF-LOK CAP  
2" Square Post Mount Bracket For Flat Blades  

**IS - Vehicular Street Identifier**

Scale: 1/2"=1'-0"
NEW SIGNAGE AND WAYFINDING SYSTEM: EXTERIOR SIGN TYPES

TV-1 - Vehicular Temporary Message Sign in ground

TV-2 - Vehicular Temporary Message Sign freestanding

TV - Vehicular Temporary Message Sign freestanding

These simple aluminum signs can be used to direct traffic during University-sponsored events and to convey event notices and custom messages. They use a one-inch square frame and a detachable aluminum sign panel, both of which are painted white. A permanent aluminum header is painted gold and silk-screened with the University logo. The message is applied to the detachable sign in black or purple vinyl, in the DIN Schrift Mittelschrift typeface.
ATTENTION BIDDERS

April 2, 2005
Addendum #2

The University at Albany/SUNY wishes to clarify the requirements of this proposal in response to the questions posed below:

1. Will the removal of existing sign be included as part of the scope of work in the signage bid?
   
   No. The University will remove and dispose of all existing signs that need removal. Sign vendor to coordinate scheduling of their work with that of the University.

2. Why do the specifications call for five (5) year sign warranties when the industry standard is 1 year?
   
   Several sign types are composites of both standard engineered components and custom fabricated components. Standard engineered components such as the APCO’s PolySign, SignBar, SignPanel, Vauline, or approved equal, must meet or exceed the five (5) year warranty requirement. Additionally, a standard of care shall be applied in the fabrication and installation all custom sign components in order to meet the warranty requirements against corrosion, bubbling, fading, chalking, discolorations, etc, as outlined in the Exterior Sign Performance Specifications.

3. Are all sub-contractors/suppliers/installers listed on Form P-1?
   
   Yes.

4. If two satisfactory references and photos are not provided with this bid, will the bid be considered?
   
   No. The University will enter into a five year contract with the successful bidder. Without these capabilities will not be accepted.

5. What are the mandatory site visit requirements?
   
   There is a mandatory tour of the campus, and review of the terms and conditions of this Bid Request that will be held at 1:30 PM on March 29, 2005. Potential Bidders should arrive by the designated time in the lobby of the Arts and Science Building located on the Uptown/Main Campus, 1400 Washington Avenue in Albany, NY.

6. Do you have five (5) years experience as described above?
   
   Yes.

7. Why are two satisfactory references and photos being provided with this Bid?
   
   There is a five (5) year contract requirement. Also, a prospective bidder concerning the Bid shall be furnished to all prospective bidders as an addendum. Receipt of an addendum by a bidder must be acknowledged in their submitted bid. There is a mandatory site visit as described on the cover page of this request.

8. Have you acknowledged receipt of all Addenda on Bid Proposal Form P-1?
   
   Yes.

9. Do you have the types and amounts of insurance coverage required?
   
   Yes.

10. Have two satisfactory references and photos being provided with this Bid?
    
    Yes.

11. Have you acknowledged receipt of all Addenda on Bid Proposal Form P-1?
    
    Yes.

12. Have you reviewed and understood all the services being requested?
    
    Yes.

13. Do you have Compensation and Liability insurance that meets or exceeds that required in this Bid Request?
    
    Yes.

14. Have you filled in all Unit Prices in Table 1?
    
    Yes.

15. Are all sub-contractors/suppliers/installers listed on Form P-1?
    
    Yes.

16. Have you reviewed and understood all the services being requested?
    
    Yes.

17. Do you have two satisfactory references and photos being provided with this Bid?
    
    Yes.

18. Have you acknowledged receipt of all Addenda on Bid Proposal Form P-1?
    
    Yes.

19. Have you reviewed and understood all the services being requested?
    
    Yes.

20. Do you have the types and amounts of insurance coverage required?
    
    Yes.

1. Mandatory Requirements for Bids to be Responsive. Non-Responsive bids will not be considered. Bidder shall review and indicate their answers to the following requirements:

   • At least two satisfactory references from clients who may be contacted along with photographs of bidder’s work demonstrating similar work (comprehensive exterior signage) they have done within the last two years.

   • Are two satisfactory references and photos being provided with this Bid?
     
     Yes.

   • Bidder shall be the primary Sign Manufacturer and/or Fabricator with in-house sign manufacturing or fabrication capabilities. Bids from sign brokers or general contractors without these capabilities will not be accepted.

   • Are you a Primary Sign Manufacturer and/or Fabricator?
     
     Yes.

   • Have a permanent place of business and be able to commit to a five-year contract for signage services on an as needed basis as delineated in this Bid Request.

   • Do you have a permanent place of business and can commit to a 5 year contract?
     
     Yes.

   • State all sub-contractors, suppliers, installers associated with your bid and the type of work to be performed.

   • Are all sub-contractors/suppliers/installers listed on Form P-1?
     
     Yes.

   • Fill in all Unit Prices for all Sign Types listed in Table 1.

   • Have you filled in all Unit Prices in Table 1?
     
     Yes.

   • At least five (5) years experience in manufacturing/fabricating exterior signage under the same business name.

   • Do you have five (5) years experience as described above?
     
     Yes.
shall be in writing and mailed and postmarked on or before the date and time set for receipt of Bids, and it shall be so worded as not to reveal the amount of the original Bid.

Withdrawn Bids may be resubmitted up to the time designated for the receipt of Bids provided that they are then fully in conformance with this BID.

4. Substitutions & Alternatives: It is suggested that any proposed substitutions and alternatives to these signage specifications be submitted in writing prior to the date of receipt of Bids in order to expedite the review and evaluation process. Bidders are responsible for the manner in which they bid fabrication of the signs and for their own shop practices.

Any proposed substitution shall include the name of the material or equipment for which it is to be substituted and complete description and documentation establishing such a substitution’s equality or superiority as measured in the following:

a. Meet or exceed the structural, functional and visual intent of the designs depicted by the Sign Type Design Sheets
b. Comply with all governing trade organization standards with regard to materials, warranties, performance and engineering criteria
c. Replicates exactly forms, visual compositions, sizes, graphics and colors as shown in the Sign Type Design Sheets
d. Any other materials, equipment or other work that incorporation of the substitute would require shall be included in the bid
e. Drawings and manufacturers material and performance test data f. Cost and ease of maintenance information

The burden of proof of the merit of any proposed substitute is upon the Bidder. The University’s decision of acceptability or unacceptability of a proposed substitution shall be final. Acceptance of any proposed substitution prior to the bid opening will be acknowledged in an Addendum and will be issued to all Registered Bidders.

5. Bid Proposal Form (P-1) and Table 1: A Bid Proposal Form (P-1) and Table 1 are provided at the end of this document. The bidder must submit five (5) completed Bid Proposal Forms and Tables. All Bidders shall complete the Forms/Tables and submit all information requested therein in order for a bid to be responsive. Failure to do so shall result in the bid being rejected as non-responsive. Table 1 unit prices shall be total prices inclusive of all associated cost including but not limited to: Shop Drawings, Subcontractors, Submittals, fabrication, delivery, installation, travel, parking permits, meals, lodging, etc.

6. Basis for Contract Award: It is the intent of the University to award a Contract to the Responsive Bidder with the lowest Calculated Total Bid Price. Only Bids that are Responsive as outlined in Section A Item 1 and Responsible as determined by the University’s review of the attached questionnaire (among other factors) shall be considered for award. The University will not commit to any materials or services other than those outlined in this Bid Request, and shall only be invoiced for materials received and installation services that are authorized and performed in a satisfactory manner throughout the contractual period. The Unit prices submitted will be weighed based on the Anticipated Percentage quantity of orders for each Sign Type.

SPECIFICATIONS

A. Viewing Distance Guide: It is a well established convention that in order to ensure proper legibility, one should use 1 inch of letter cap height for every 50 feet of distance between the viewer and a sign. However, this convention assumes ideal visibility conditions. In order to compensate for many variables such as night time viewing, angular view, vehicle speed, and to comply with the ADA mandate, 1 inch of letter cap height should be used for every 25 feet of distance between the viewer and a sign. The best way to ensure proper legibility is to test the design on-site and verify the suitable letter cap height size.

SUMMARY

A. General: Provide Exterior Architectural Signage in accordance with requirements of the Contract Documents.

B. Project Overview From Designer: The work depicted in this manual, while seemingly straightforward in appearance, is defined as “custom architectural signage”. More that just a term, this definition demands that all materials used, fabrication methods and program management that go into each finished component observe the highest craft and quality standards at each step of the process through delivery to the client. Contractors involved in fabricating and installing the work depicted will join in a productive partnership with the University in producing a system of wayfinding information elements that further enhances the University’s position.

It is understood by all concerned that the apparent silence of the specifications as to a detail or the apparent omission of a detailed description concerning a point shall be regarded as meaning that only the best general practice is to prevail and that only material and workmanship of the first quality is to be used. All interpretations of these specifications shall be made on this basis.

C. Electronic Files: Note that the University has electronic files of this document and of all of the sign type designs depicted in the document. Contractors involved in fabricating and installing the work depicted herein should request a copy of these electronic files to use as base templates for their further development of detailed and engineered shop drawings to assure conformity to the sign designs.

REFERENCES


ASTM A36, Structural Steel
ASTM B221, Aluminum - extruded bars, rods, wire, shapes and tubes
ASTM A123, Zinc (hot galvanized) coatings on products fabricated from rodded, pressed and forged steel shapes, plates and bars.
ASTM D822, Light and water exposure apparatus (carbon-arc type) for testing paint, varnish, lacquer and related products

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OSHA

SECTION B: UNIVERSITY CONDITIONS

1. GENERAL:

A. As a result of September 11, 2001, Contractors are required by Federal law to verify that all its employees and as subcontractors in its employ are legally entitled to work in the United States. Accordingly, the University reserves the right to request legally mandated Contractor-held documentation attesting to the same for each employee assigned work under any contract awarded. In accord with such laws, the University does not discriminate against individuals on the basis of national origin or citizenship. B. No drug of any type, nor alcoholic beverages by the Contractor or its personnel shall be permitted on University premises. The University at Albany reserves the right to reject and bar from the facility any employee hired by the Contractor.

C. The University at Albany will not be liable for any expenses incurred by the Contractor as a consequence of any traffic infraction or parking violations attributable to employees of the Contractor.

D. The University at Albany will not be liable for any expenses incurred by respondents in the preparation and production of a proposal or the costs of any services performed prior to receiving approval of the agreement from New York State. All proposals and materials sub-
mited in conjunction with the proposals shall become the property of the University at Albany for use as deemed appropriate, respecting all copyrights.

E. The University at Albany reserves the right to modify the requirements of this bid after its release. All vendors will receive written notification of any modifications to the requirements of this bid. If any modifications make compliance with the original Procurement Timetable impractical, the University at Albany will adjust the timetable accordingly.

F. By submitting a proposal, the vendor agrees that s/he will not make any claims for or have any right to damages because of any misinterpretation or misunderstanding of the specifications or because of any misinformation or lack of information. The University at Albany will make no allowance or concession to the Contractor for any alleged misunderstanding or deception because of quantity, quality, character, location or other conditions.

G. The successful vendor will be notified by the Purchasing Agent by telephone and confirmed by letter. A contract will then be signed with the successful vendor. The contract will, among other provisions, incorporate at least this bid and the successful vendor’s proposal.

H. The University at Albany reserves the following prerogatives:

- To accept or reject any or all proposals in part or entirety.
- To correct any arithmetic errors in the proposals.
- To waive or modify irregularities in proposals received after notification to the vendor.
- To change any dates specified for the review and selection process.
- To negotiate a payment schedule as part of the award of the contract.
- To change any dates specified for the review and selection process.
- To request additional information or written clarification of vendor response.
- To eliminate mandatory requirements unmet by all of the vendor responses.
- To make and accept best and final offers.

I. Submittal of Responses: Bidders must submit 5 completed copies of their bid by 2:30 p.m. on Tuesday, April 12, 2005 to the following location:

Mr. David VanVranken

Purchasing Agent, Institutional Services Management Services Center, Room 302 University at Albany 1400 Washington Avenue Albany, New York 12222

Proposals received after this date and time will be considered Non-Responsive and will be rejected.

2. SUBCONTRACTORS:

A. The bidder shall be fully responsible for the administration, integration, coordination, direction and supervision of all of its subcontractors and of all work and it shall check all specifications and requirements of the work and coordinate and adjust the same so that conflict in space do not occur in the work being performed by it with its own employees and with the work being performed by its subcontractors.

B. The Bidder hereby agrees and understands that the contract resulting from this solicitation shall not be transferred, conveyed, subconcluded assigned or sublet without prior written consent of the University at Albany.

C. Bidders shall state in writing any and all subcontractors, installers and suppliers to be associated with this bid, including the type of work to be performed.

D. No subcontractor shall be permitted to work at the site until it has furnished satisfactory evidence to the bidder of the insurance specified in Contractor’s Compensation and Liability Insurance section.

E. No provisions of this bid shall create or be construed as creating any contractual relation between the University or with any person, firm or corporation employed by, contracted with or whose services are utilized by the bidder.

F. It is the obligation of the bidder to pay the subcontractor. Should the University withhold payment to the bidder, it shall still remain the Bidder’s obligation to pay all subcontractors, agents, and employees or to other parties for goods or services provided in connection with the work.

3. CONTRACTOR’S COMPENSATION & LIABILITY INSURANCE:

A. Contractor shall, at all times, at its own expense, obtain and carry comprehensive liability insurance, property damage insurance and Workers’ Compensation Insurance of adequate amounts, naming the State of New York, and State University of New York as additional insured.

B. Contractor shall keep such insurance in force for the duration and term of this agreement. The insurance required, shall be obtained from insurance company(ies) licensed to do business in the State of New York and shall have as minimum limits of insurance:

- Type & Dollar Amounts
  - Carriers liability (including Protective, Contractual liability & Product Liability)
    - $1,000,000 combined (bodily injury & property damage) single limit-each occurrence $2,000,000 aggregate
    - $1,000,000 CSL - each occurrence
  - Automobile Liability (owned and non-owned vehicles)
    - $1,000,000 CSL - each occurrence
  - Workers’ Compensation and Disability Benefits
    - New York Statutory
  - Owners’ Protective Liability Policy in the State of New York, State University of New York
    - $1,000,000 combined (bodily injury & property damage) single limit per occurrence $2,000,000 aggregate

All Certificates of Insurance or Evidence of Insurance must contain a thirty (30) day written notice of any cancellation, change, or termination of coverage.

4. EXAMINATION OF BID DOCUMENTS AND SITE:

By executing the bid, the Bidder agrees: that it has carefully examined the bid documents and also had an opportunity to visit the site of the proposed work as well as it’s surrounding territory; that it is fully informed regarding all the conditions affecting the work to be done and the labor and materials to be furnished for the completion of the bid; and that its information has been acquired by personal investigation and research and not in the estimates and record of the University. There is a mandatory site visit as described on the cover sheet of this Bid request.

Exterior Sign Performance Specifications

1. SUMMARY:

A. General: Provide Exterior Architectural Signage in accordance with requirements of all the Contract Documents which include these written Specifications and Sign-Type Data Sheets.

B. The work depicted in Sign-Type Data Sheets, while seemingly straightforward in appearance, is defined as “custom architectural signage”. This definition demands that all materials used, fabrication methods and program management that go into each finished component observe the highest craft and quality standards at each step of the process through delivery to the client. Contractors involved in fabricating and installing the work depicted will join in a productive partnership with the University in producing a system of wayfinding information elements that further enhances the University’s position.

C. It is understood by all concerned that the apparent silence of the specifications as to a detail or the apparent omission of a detailed description concerning a point shall be regarded as meaning that only the best general practice is to prevail and that only material and workmanship of the first quality is to be used. All interpretations of these specifications shall be made on this basis.

D. The related Sign-Type Data Sheets show design-intent, not construction or engineering detail. The awarded Contractor is responsible for fabrication, installation and overall product quality. The further development and engineering of the Sign-Type Data Sheets, as well as all assembly and attachment installation specifications shall be illustrated in detail in required shop drawings. The shop drawings must adequately and accurately define construction details.

E. Note that the University has electronic files of all of the sign type designs depicted on the data sheets. Contractors involved in fabricating and installing the work depicted herein can request a copy of these electronic files to use as base templates for their further development of detailed and engineered shop drawings.
drawings to assure conformity to the sign designs.

3. SYSTEM DESCRIPTION:

A. Freestanding Signage: Provide outdoor sign assemblies designed, tested, and installed, to withstand positive and negative design wind load as would be anticipated from the design intent. 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. Once final and exact sign locations are marked, the Contractor shall determine the appropriate method of anchoring signs to the locations to meet these requirements as well as all local code requirements.

Some signs have visible masonry bases, others are single or double-post mounted. The APCO SignBar™ and APCO Polysign™ component signage systems are specified as sample products for creation of the majority of the signage assemblies. Other manufacturers’ products that match or exceed the performance and aesthetic requirements of these sample systems may be substituted.

B. Fonts/Typefaces:

1. Required type fonts are indicated on the Sign-Type Data Sheets.

The fonts used for this project were selected specifically for this project. It is the responsibility of the Sign Contractor to purchase the necessary typeface fonts for message creation. The following typefaces are to be used:
- Adobe Garamond
- DIN Schrift
- Trajan

2. All letterforms shall be computer generated. Hand-cut letters are not acceptable.

3. No substitution of any other typefaces may be made. Under no circumstances are typefaces or graphics 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. Distortion includes (but is not limited to) stretching, squeezing, tilting, outlining or shadowing.

4. SUBMITTALS PRIOR TO FABRICATION:

Note: since this is intended to be a five year contract, once a submittal has been made and approved for a particular sign type, there will no longer be a need for submittals within the contract period for subsequent orders of that same particular sign type, unless mandated by site conditions that vary from past applica
tions. Required permits, licenses, certificates or fees required for the performance of the work, if any, shall be obtained and paid for by the Sign Contractor.

A. Shop Drawings: Furnish elevations, details of fabrication and installation. Detailed and engineered shop drawings for each sign type showing methods of fabrication, materials used, assembly and/or sub-assembly details, nuts, bolts, other connecting hardware, all dimensions, design loads and methods of installation.

B. Samples: Samples of all fabricated sign material shall be delivered to the University for their inspection and approval before any work on the above project shall commence. This includes samples of every color to occur in the signage, using actual paint, vinyls and substrate materials, and samples of above-ground masonry.

C. Product Literature: Furnish manufacturer’s specifications describing the general properties of all sign material used in this project. Specifications for sign material as well as their supporting structures shall be furnished.

D. Composition Proofs: The Sign Contractor shall provide to the University a proofing document of final production sign face layouts (“compositions”) for all signs to verify line breaks, character and word spacing, and interline spacing. The preferred proofs are individual black & white prints of all sign face compositions.

E. Structural Calculations: For exterior signage, furnish engineering calculations to demonstrate maximum stress and deflection of signage, sign support systems under load. Shop drawings must also reflect engineering of all assemblies (metal-to-metal and metal-to-masonry) and below-grade foundations. All such calculations shall have the seal of a registered professional engineer licensed to practice in New York State.

F. First Prototype: Prior to proceeding with the quantity production of any signage, the Sign Contractor shall provide to the University one (1) finished sign (typically a DV-1 or IP-3). Only upon its approval can subsequent signs be approved for finished fabrication.

5. QUALITY ASSURANCE:

A. Contractor’s Quality Assurance Responsibility: Contractor is solely responsible for quality control of the Work.

B. Regulatory Requirements: Sign Contractor shall comply with applicable requirements of the laws, codes, ordinances and regulations of Federal, State and Municipal authorities having jurisdiction.

Sign Contractor shall be knowledgeable of relevant local code requirements and honor same in fabrication and installation. Where applicable, it is the responsibility of the Sign Contractor in consultation with the University’s Project Manager to secure any and all necessary permits for signage installation. It is the responsibility of the University to secure variances, should any be required. It is the University’s responsibility to call the appropriate agency to have all underground utilities properly located and marked.

6. UNIFORMITY AND CHANGEABILITY:

A. Fabrication fit and finish tolerances must be ± 0.01 inches.

B. Similar or identical sign type components, regardless of colors or messages, should be fabricated identically.

C. Components which are intended to be removable or interchangeable after installation must do so without binding, sticking or blocking.

7. DELIVERY, STORAGE, AND HANDLING:

A. General: The Contractor 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. The Contractor shall provide clear and legible identifying information on all product packaging to ensure proper on-site review and installation.

8. PROJECT / SITE CONDITIONS:

A. Existing Conditions: Examine the areas to receive the Work and conditions under which the Work shall be performed. The Contractor shall remedy any faulty conditions for which they are responsible. Areas needing correction shall be corrected in a timely fashion.

B. Coordinate with the work of other trades and the University ahead of time so as to prevent damage, interference or delay. Obtain templates, drawings, or other information as necessary for proper alignment and connection to such other work. It is understood that the University shall have any proposed Exterior sign locations in a “ready-to-install-signage” condition such as scanning and locating underground utilities.

C. Any damage done to existing building Exteriors including, but not limited to, walls, ceilings, decorative accessories, wiring, piping, shall be the responsibility of the Contractor to repair, to the satisfaction of the University’s Project Manager.

9. WARRANTY:

A. The contractor guarantees that the signage is standard new and shall extend in writing to the University all manufacturer’s warranties. For a period of five (5) years from the date of completed installation, the Contractor shall warrant each and every sign unit, to the University, to be free of defects due to craft work and materials including, but not limited to,:

1. Bubbling, chalking, rusting or other disintegration of the sign panel or of the graphics or of the edges.

2. Corrosion appearing beneath paint surfaces of panels, brackets, posts or other support assemblies (except as an obvious result of vandalism).

3. Corrosion and/or loosening of fasteners.

4. The assemblies not remaining true and plumb upon installation.

5. Fading, chalking and discoloration of the colors and finishes within the vinyl and paint manufacturer’s stated warranty period.

6. Peeling, delaminating or warping of surfaces (“oil canning”).

B. Without additional cost to the University the Contractor shall repair or replace any defective signs or hardware which develop during the warranty period and repair any damage to other work due to such...
imperfections and provide all required labor, fabrication, materials and travel expenses for re-installation as required within (21) twenty-one calendar days. The Contractor will be required to fully replace all signs which are in error relative to the working documents (sign schedule, sign location plan, sign type drawings) that will be submitted to the Contractor upon award of contract and relative to the shop drawings as prepared by the Contractor.

10. MAINTENANCE

A. Maintenance Instruction: The Contractor shall furnish a maintenance manual describing the procedures necessary for operating, cleaning and maintaining the Work. Manufacturer brochures describing the material used in the work shall be furnished also. This shall include finish paint formula and manufacturer’s numbers, etc.

B. Extra Materials: Deliver to the University, in original packaging. Provide 1 (one) quart of each finish paint color and its related formula for touch-up purposes.

PRODUCTS:

1. SIGN MATERIALS

A. Sign Faces: Sign faces are to be fabricated using aluminum channels and plate painted with acrylic urethane paint (Matthews Paint Company products are the standard). Unless otherwise noted, all aluminum plate is to be of a 1/8” thickness. Painted exterior metal surfaces to be finish-coated with acrylic polyurethane. Application of all paint shall be in strict compliance with the manufacturer’s specifications for the defined substrate to assure extreme color and finish retention. Edges and surfaces of ALL metal parts are to be free of nicks, cuts, burrs or other machine markings. All finishes are to be matte finish, free from fading, peeling or cracking.

B. Aluminum: Provide the following specific type of aluminum regarding alloy, temper, and finish required for the project, if other than an approved modular sign system product.

4. Aluminum Bars, Rods and Wire: ASTM B21 1/1321 M.

1. Structural Steel Shapes, Plates and Bars: ASTM A36/A36M.
3. Structural Steel Tubing: ASTM A500 cold-formed, or ASTM A501 hot-formed. Provide Hot-Dip Galvanized tubing in accordance with ASTM A53/A53M.

D. Fasteners: ASTM A307, ANSI/AASME B 18.2. 1, B 18.2.2. B 18.6.3, and B 18.22. 1. All fasteners used on this project shall fall under the above standards. Stainless steel 300 series alloy where used to join dissimilar materials. Stainless steel cap-screws, nuts and washers shall be used to secure signs to the boiler plate. Except where approved by the University and/or Designer, conceal all fasteners. Tamper-proof fasteners shall be used wherever possible to prevent removal or dismantling of sign components.

E. Welding Electrodes and Filler Metal: The Contractor shall provide the alloy and type of material required for strength, workability, compatibility and color match after grinding smooth and finishing the fabricated product.

F. Castings: Exposed castings shall be uniformly free from porosity and roughness. Edges shall be filled and ground smooth. Faces shall be chromically etched and mechanically polished to a bright finish.

G. Galvanizing: Exterior steel components and other steel where noted shall be galvanized. Shop fabrication shall be completed prior to application of zinc coating. Remove mill scale and rust, clean and pickle the units as required for proper pretreatment of surfaces. Provide hot-dip galvanizing in accordance with requirements of ASTM A123/A123M for steel plates, bars and strips greater than 1/8” thickness, assembled steel products, and ASTM A615/315M for iron and steel hardware.

H. Masonry Veneer (visible, above-ground): Visible masonry will be one of three types, depending on the campus architecture:

1. White Granite, matte finish
2. Red Brick to match facing brick on buildings
3. Limestone to match the limestone on buildings White Granite shall be Bethel White. More information can be obtained from: Granite Bussière Inc. St. Sébastien, QC. Canada (819) 652-2000

I. Below-grade Masonry Foundations: The Contractor shall engineer and prepare appropriate below-grade support foundations for all sign assemblies. Concrete block and/or poured concrete aggregate, meeting trade standards for sign foundation purposes, shall be provided.

J. Underground Structures: Ground-mounted signs require an underground sign base. Such structures are usually made using poured concrete and/or concrete masonry units that extend below the frost line. When submitting shop drawings for this sign, the fabricator shall be required to provide a stamped engineered drawing showing the proposed underground base appropriate for the conditions at the site of the sign. The drawing should also indicate how the sign is fastened to the underground base.

The University further specifies that when a sign is placed in a lawn that is maintained by the University, it desires a concrete pad to be poured, the top surface of which is at grade, and that extends 18 inches beyond the faces and edges of the sign above to allow a mower to “ride” on the surface when mowing the grass.

K. Lighting: Certain sign types require a Hydrel™ 6100 Series (or equal) in-grade up-light, controlled by a time clock or photo-electric switch (discreetly but functionally placed). Up-lighting should be mounted in-grade and centered on the sign, and placed and aimed using the manufacturer’s guidelines and specifications. Surface light levels should typically fall between 15 and 25 footcandles. The Contractor shall reference technical and installation specifications for both the light hardware and lamps at: http://www.inlight.com

http://www.lithonia.com/floodlighting

2. PAINTS, FINISHES AND IMAGING MATERIALS:

A. Message Creation: It will be the Contractor’s responsibility to generate all messages, including necessary tactic and Grade 2 Braille, from an approved Sign Message Schedule provided by the University.

B. Preparation: Surfaces to receive graphics shall be clean, dry, and otherwise made ready for application of materials, in accordance with manufacturers’ instructions.

C. Attached Dimensional (Metal) Letterforms: Dimensional letterforms are to be either cut (for the smaller, pin-mounted letterform assemblies) or channel-formed, seamless, using .080” and .125” thick aluminum, respectively, for side returns and faces. The channel-formed letters are notched to allow each letter to attach or “saddle” onto a horizontal rail. The resulting letterform assembly must be mounted level and true and match the original design intent. All mounting hardware should be hidden or unobtrusive as possible. See Supplemental Specifications for Sign Type IB-1 and IB-2 (Facade Mounted Building identification) at the end of these specifications.

D. Repair: All blemishes that may need repair shall be repaired so that the repair is not noticeable. Any items that are damaged beyond repair shall be replaced.

E. Polyurethane Coatings: Protective primer finishes are to be applied to all metal components as follows.:

1. Acrylic Polyurethane Enamel: Zicomponent, aliphatic polyurethane enamel having UV inhibitors and engineered for application to sign components. Gloss shall be of 90 +/- units at 60 degrees F. Flat sheen of 10 +/- units at 60 degrees F.
2. Primer from Steel-2-component primer with zinc chrome pigment and phosphate activator.
3. Primer for Galvanized and Stainless Steel, on Non-Ferrous Metal: Clear colorless primer.
4. All visible finishes are to be satin finish, free from fingerprints, 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. Acceleration of the drying process is not allowed. Exterior metal surfaces are to be painted as follows (Matthews or equal as approved by the University):
   a. Two (2) coats of a Matthews PT PPG® Polycron III primer with a total thickness range between .4 and .8 mils;
   b. A Matthews Paint satin topcoat with a thickness range between 1.5 and 2 mils;
c. A Matthews Paint acrylic polyurethane clear coat containing UV inhibitors with a thickness range between 1.5 and 2 mls.

F. Screening Materials: Where screen printing may be required, screens are to be prepared from electronic art only; no hand-cut screens. Only weather resistant inks and materials, compatible with the intended substrates shall be used. Provide photo processes screens arranged to furnish sharp and solid images without edge buildup or bleeding of the coating. Asure a minimum 3 mls dry film thickness. Pattern cut screens may be used for nonrepeat copy, provided that final image copy is equal to photo screen quality.

G. Vinyl Graphics: Pressure sensitive type, both engineer-grade reflective (not high intensity) and non-reflective opaque as required, non-yellowing, non-pearling and washable available vinyl. Apply uniformly smooth, free from bubbles, wrinkles, stretching, or other blemishes and warranted for five (5) years or more.

H. Digital Prints: Contractor shall procure all electronic files for the fullcolor digital artwork for all graphics to be large-format digitally printed. Print output to be at minimum of 600 DPI.

I. FiberGlass Graphics Panel: Digital Embedment Fiberglass panel for the MP-1, Pedestrian Campus Map sign type, to be fabricated using a 3/16" thick fiber glass panel with permanently embedded digital graphics (printed at a minimum of 600 DPI using exterior inks). The panel must be a solid, one-piece panel with all graphic elements inseparable from the fiberglass in which they are embedded. Proposed product to be that manufactured by Pannier Graphics, 1-800-544-8428. Panels to be vandal and fade resistant.

3. FABRICATION OF SIGNS AND SUPPORTS:

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 Contractor.

A. General: Provide standard and custom manufactured sign assemblies, components completely fabricated and finished at the factory before delivery to site. Contractors to sign assembly to detail and dimensions as shown and as reviewed on shop drawings. Fit and assemble all work at shop to the greatest extent possible and mark components as required to facilitate assembly during installation.

1. The Space Type Data Sheets call for a variety of fabrication techniques. Sign Contractors are given leeway in the manner in which they fabricate the signs, to allow for variances in shop practices, as long as the finished product:

   a. Meets or exceeds the structural and functional intent of the designs depicted by the sign type drawings

   b. Complies with all governing trade organization standards with regard to materials, warranty performances and engineering criteria. Stamped engineering shop drawings shall be provided for all signs requiring structural foundations.

   c. Replicates in appearance, as shown in the Sign-Type Data Sheet, size, visual compositions, graphics and colors (hidden elements related to these aspects may vary as fabrication may dictate)

   d. Subsequent orders replicate EXACTLY the finished appearance of previous sign type orders approved and installed at the University under the Contract.

2. Because different extrusion systems may result in slightly different dimensional requirements, the dimensions described in the sign type drawings may be considered "nominal". The APCO SignBar™ and APCO Polysign™ component signage systems are specified product for creation of the majority of the signage assemblies. Alternative products / substitutions are permitted. Forms exposed surfaces uniformly flat and smooth, without distortion, pit, or other blemishes. Forms exposed metal edges to a smooth radius. Grind exposed welds and rough edges to make flush with adjacent smooth surfaces.

3. Details on the Sign-Type Data Sheet 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 awarded Contractor. Therefore, it shall be the responsibility of the awarded Contractor to perform the complete structural design 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 the University. The awarded Contractor shall also be responsible for ensuring that all signs meet local and state codes.

4. The further development and engineering of the sign type drawings, as well as below-grade installation specs, is expected to be shown in the awarded Contractor’s submitted shop drawings. Fabricator recommendations for alternative methods, which do not alter the design intent, reduce the product quality or compromise product performance will be considered by the University if such alternative fabrication methods are submitted in written and/or drawn form prior to starting shop drawings. The Contractor’s Shop drawings must adequately and accurately define construction details.

5. 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.

6. 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 insect screening over drain holes.

7. Sign faces are to have lettering and graphics created as surface-applied vinyl typography using Avery or 3M exterior grade, minimum 5-year warranty. Certain applications are to be engineer-grade reflective vinyl as specified on the Sign-Type Data Sheet. Update: All surface applied vinyl is to be engineer grade reflective vinyl.

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

B. Metal/FiberGlas Signs and Supports: Although APCO SignBar™ and APCO Polysign™ component signage systems are the specified product/model for creation of the majority of the signage assemblies, equivalents are permitted. Fabricate exposed surfaces flat and smooth, without distortion, pit, or other blemishes. Form exposed metal edges to a smooth radius. Grind exposed welds and rough edges to make flush with adjacent smooth surfaces.


2. Fasteners: Sign blanks shall be fastened to sign standards by means of exposed stainless steel, tamper proof, cap screws, bolts and nuts. Perform drilling operation at shop.

3. Dissimilar Materials: Where metal surfaces will be in contact with dissimilar materials, coat the surfaces with epoxy paint with a minimum 2.0 ml dry film thickness or provide other means of dielectric separation as recommended by manufacturer to prevent galvanic corrosion.

EXECUTION:

1. Examination

   A. Verification of Conditions: Examine the areas to receive the Work and conditions under which the Work shall be performed. The Contractor shall remedy any faulty conditions for which they are responsible. Areas needing correction shall be corrected in a timely fashion.

   B. Inspection: The quality of service shall be subject to inspection by the University at Albany at any time. Should it be found that the quality of services being performed is not satisfactory, and that the requirements of the specifications are not being met, the University at Albany may terminate the contract. The original Contractor shall be liable to the University at Albany for any costs incurred on account thereof.

   C. Stop Work: The University at Albany reserves the right to stop the work covered by this proposal and the contract at any time that it is deemed the successful bidder is unable or incapable of performing the work to the Owners satisfaction. In the event of such stopping, the University at Albany shall have the right to arrange for the completion of the work in such manner as it deem advisable and if the cost thereof exceeds the amount of the bid, the successful Contractor shall be liable to the University at Albany for any such costs on account thereof.

2. Installation of Signs:

   A. General: The complete installation of all signage shall be in accordance with manufacturer’s printed instructions and approved shop drawings.
1. While design-intent drawings and related documents may specify or indicate possible mounting and/or mounting hardware details, the Contractor will be able to substitute equal or better hardware and techniques based upon their experience with similar mounting situations, and concerns for tampering or stealing and as long as the visual appearance of the sign is not compromised from that shown in the design intent drawings.

2. All signs to be mounted level and true. Components shall fit accurately together to form tight joints and secure connections. All signage products must be installed such that there are no misalignments between visible components.

3. All exposed hardware is to be touch-up painted on site as required.

4. Except where approved by the University, conceal all fasteners.

5. 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 successful Bidder to correct any installation misalignments at no charge.

6. All signs should be mechanically fastened to the wall using VHB tape or silicone and no fewer than four screws held in expansion sleeves on Moly-bolts inserted into the wall, or with butterfly bolts through the wall using VHB tape or silicone and no fewer than four screws held in expansion sleeves on Moly-bolts inserted into the wall. If the sign fabrication permits, affix the sign securely to the wall using no fewer than four screws held in expansion sleeves on Moly-bolts inserted into the wall. If the sign fabrication permits it, the heads of any screws should be concealed whenever possible.

C. Installation of Signs: Set and attach the Work accurately on location, alignment and elevation, plumb, level and true, as measured from established reference points and from other work already in place. Components shall fit accurately together to form tight joints and secure connections.

Prior to installation of the signs, Sign Contractor is to visit the proposed site to observe existing conditions and verify all signage required and all locations identified. 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.

Locations for all freestanding installations will be either through existing sidewalk/paving or directly into ground. In either case, it will be the responsibility of the installer to complete the installation such that replacement and finishing of sidewalk/paving surround is complete and ground cover is replaced. All freestanding sign types must have proper below-grade foundations to assure complete sign stability. All signs to be mounted level and true. All exposed hardware is to be touch-up painted on site as required. All bolts, nuts, washers, or other fasteners shall be galvanized steel, and tamper proof whenever possible to help prevent vandalism or stealing.

D. Exterior Wall Mounting Conditions: When installing wall signs, observe the following guidelines:

Condition A: When installing a sign to a smooth wall surface, use a combination of VHB foam tape and silicone adhesive. The VHB tape holds the sign in place while the silicone adhesive cures. Removing a sign mounted in this fashion will require "sawing" behind the sign with a piano wire or other serrated cable.

Condition B: For large signs and for signs mounted to a wall surface that is not smooth (such as concrete block, poured concrete, stone or other textured surfaces), in addition to the methods noted in Condition A above, affix the sign securely to the wall using no fewer than four screws held in expansion sleeves on Moly-bolts inserted into the wall. If the sign fabrication permits it, the heads of any screws should be concealed whenever possible.

3. Protection and Cleaning:

A. General: All Work shall be protected during the construction period. All completed Work shall be clean and free from defects at time of acceptance by the University.

SUPPLEMENTAL SPECIFICATIONS: Building Identification Signage IB.1 and IB 2 - Facade Mounted Building Identification (individual letters) with rail assembly.

The proposed custom signage installation is illustrated in the accompanying Sign--Type Data Sheets that contain specifications for materials, colors, type faces and construction methodology. Please note that Face and 3/4" of the return = MP21249 (gold metallic) while the Remaining 2" of return and support channel = MP04761 (dark gray)

1. General Sign Specifications:

A. The Bid Documents call for a variety of fabrication techniques. Sign Contractors shall fabricate the signs to meet the intent of the designs depicted by the drawings. Lettering sizes and face layout compositions specified must be replicated as shown.

B. Engineering and construction shop drawing submittals are required after contract award. Shop drawing submittals shall illustrate and specify in detail the proposed sign / letter fabrication and connection to building structure. The drawings and specifications must include actual dimensions and tolerances. The shop drawings must be reviewed by a licensed professional engineer registered to practice in New York State to determine the adequacy of the proposed fabrication and connection to the building structure.

2. Test & Sample Materials and Letterforms:

A. The successful Sign Contractor shall prepare and install a test letterform that exhibits the true size, shape, color and finish of the final fabrications. The sample shall be located and installed by the Fabricator to adequately position the test letter where the final letter assembly must be installed. This will be for visual evaluation of location and size. (See “Submittals” below).

B. Different systems of extrusions may result in slightly different dimensional requirements, the dimensions described in the design-intent drawings may be considered “nominal” for the purposes of bid submittal.

C. Sign faces are to be fabricated using aluminum plate of varying thickness painted with an acrylic urethane as produced by Matthews Paint Company or approved equal. Painted exterior metal surfaces to be finish-coated with acrylic polyurethane. All finishes are to be matte 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 and coating with PPG Polycon III primer or approved equal.

D. The successful Sign Contractor shall submit color matching paint samples to both the Designer and University for approval.

3. Installation:

A. Prior to installation of the sign assembly, the Sign Contractor should visit the proposed site to inspect the existing conditions and verify the sign’s location.

B. Signs and mounting devices shall be designed to withstand a 30 psf wind load normal to the sign in addition to the weight of the sign. The Sign Contractor shall determine appropriate method of anchoring signs to the locations specified to meet these requirements, any and all local code requirements.

C. All letters and combined assemblies to be mounted level and true. All exposed hardware must be tamper-proof and to be touch-up painted on site as required. All bolts, nuts, washers, or other fasteners shall be aluminum or stainless steel. Installation of bird deterrent needle spikes on the mounting bar assembly is required.
4. **Fonts/Typefaces:**

A. The following font to be used (with modified ‘I’): Adobe DIN Schriften Engschrift. It shall be the responsibility of the contractor to obtain all necessary licenses and authorizations to use the selected fonts and typefaces.

B. Each letter is spaced such that the letter is centered within each column as shown on the elevation.

C. All letterforms, symbols or graphics shall be reproduced either by photographic or computer-generated means. Hand cut characters are not acceptable. Typefaces should be replicated as indicated on the Bid Documents.

D. All electronic/digital artwork for the signage shall become the property of the University. The University reserves the right to use this artwork/design with others contractors should the need arise in the future.

5. **Surface Mounting:**

The Bid Documents illustrate possible mounting and/or mounting hardware details. Shop drawing submittals shall detail the actual hardware and connections. All connections must be designed for all applicable loads. Shop drawing details shall not compromise the visual appearance of the sign shown in the Bid Documents.

6. **Submittals:**

A. The Sign Contractor shall submit the following items to both the Owner and Designer for their review prior to fabrication proceeding:

   1. Detailed engineering/construction shop drawings showing method of fabrication and materials used, mounting techniques and hardware, along with any dimensional changes in the overall sign required by virtue of the fabrication materials and/or techniques. Drawings must be reviewed by a New York State professional engineer for adequacy of fabrication and connections to building structures. Shop drawings shall bear the seal and signature of the engineer responsible for the review.

   2. Samples of each color to be used on the sign using actual paint and substrate materials.