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EXTERIOR SIGNAGE AND LANDSCAPE MASTER PLAN



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OVERVIEW



OVERVIEW

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1

OVERVIEW

The University of Memphis Signage and Landscape Master Plan document was created to define public wayfinding for the first-time or infrequent visitor to the Main and Park Avenue campuses with the primary goals of creating a positive experience for the visitor involved with all aspects of academic, event, and concert/performance participation.

Wayfinding is defined as the clear dissemination of information to aid in providing direction in and around a defined location. Signage provides a pivotal role in wayfinding as it reinforces direction, connects independent destinations, highlights consistency and controls the manner in which one circulates a complex environment, such as the University of Memphis offers.

In addition to signage, there are visual and verbal cues that become predisposed to the visitor whether navigating in a vehicle on or foot. The repetition of materials, colors, fonts, placement and landscape enhancements all serve as a part of the overall wayfinding experience.

Ease of wayfinding can be the single most important aspect in influencing a new visitor or prospective student and family in what the University stands for, its "brand" and how it should be perceived. This can be a positive or negative experience dependent upon how effective and easy one can find their initial destination. Whether it is the Admissions Office, Performing Arts Center, gallery or other entity, it is crucial that the location is clearly marked, directions lead to that destination, and once there, where to park. The importance of this cannot be underscored enough to make the experience a positive one.

All wayfinding elements should be designed to allow for expandability, flexibility and durability. With the number of changes that occur on a college campus at any given time, i.e., departments being relocated, additions, demolitions, new buildings and parking areas make for constant ebb and flow. The University's master plan was taken into consideration as the signage gives a nod to future expansion, new entrance gateways and other potential modifications. Signage completed for today is a mere snapshot as it must work for future events and be easily updatable and adaptable.

There is a natural flow of how the signage system works. Initially, it begins along major interstates, flows to secondary roads and then to the campus entrances. The sense of place that the entrances provide gives a reassurance to the visitor that they have arrived at the appropriate destination. Once within the boundaries of the campus, the vehicular signage should direct to specifics locations, buildings or departments of significance. These guide signs pull traffic in and around the campus in the most direct and efficient means. The audience is focusing on their intended destination and the signage aids their arrival. Parking lots, garages, and traffic control devices are a part of the next step in wayfinding and serve to place the visitor at the most convenient point to transition from being a passenger to being a pedestrian. Once on foot, the visitor relies on transitions to pedestrian maps, kiosks, directionals and other regulatory informative signage including accessibility standards. This should lead any visitor to the appropriate building entrance where once inside they can find their intended destination.

Upon leaving, it is just as important for all of the wayfinding signage, both pedestrian and vehicular to redirect back to the visitor's point of entry making egress as comprehensible as ingress into any given campus.



THE MASTER PLAN

This document is divided into two major sections. Initially, it serves as an analysis of existing conditions, recommendations, and examples of other campuses and how they have solved their problems, culminating with code related research. The recommendations are the basis of the second portion of the master plan, which details specific sign types, landscape plans and plantings and provides locations for all signage, their proposed messages and complete specifications, construction documents, maintenance and reordering suggestions.

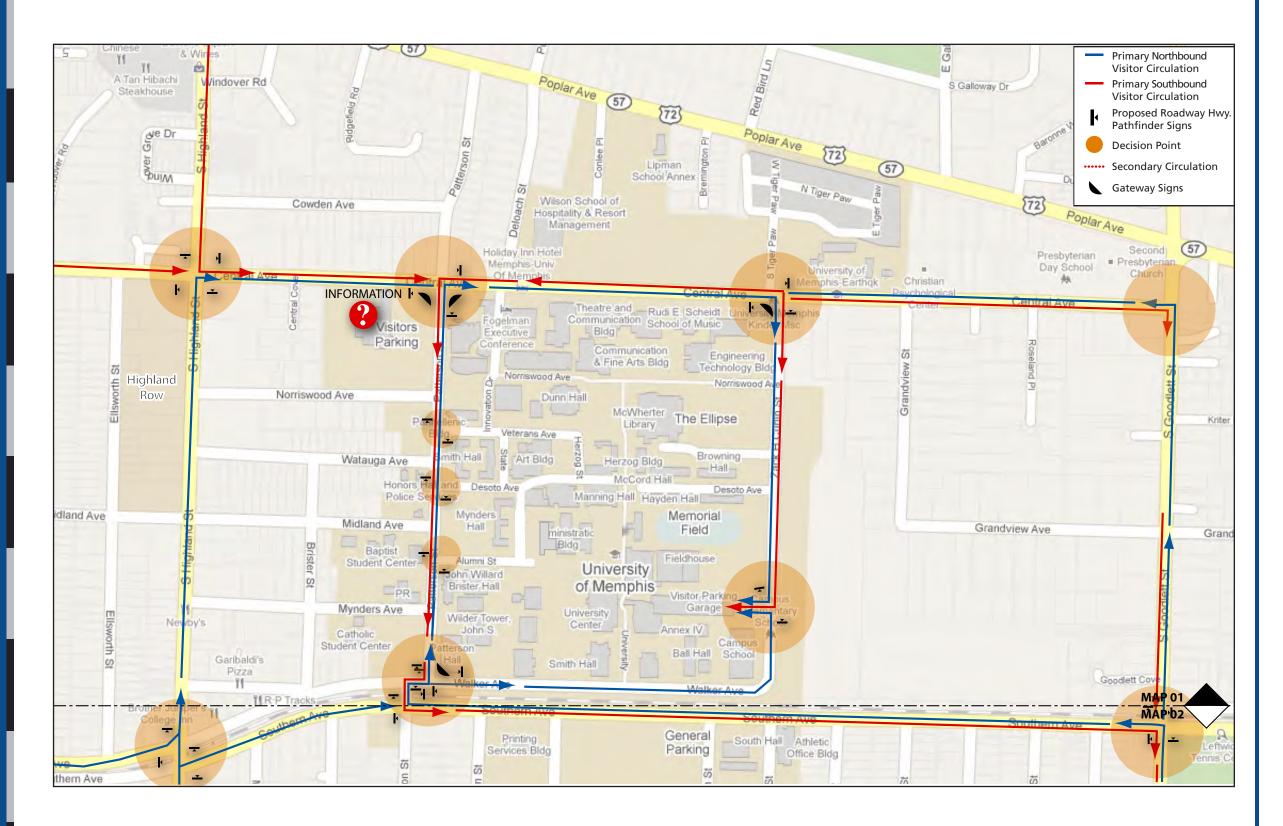
Both the Main and Park Avenue campuses are addressed in this master plan. The community and outlying neighborhoods are also considered as University related pathfinders were created and can be implemented in cooperation with the various surrounding communities to foster a "good neighbor" policy and to serve the University as a means of pulling traffic through these communities to either campus location.

The Master Plan

Approaches to the University:

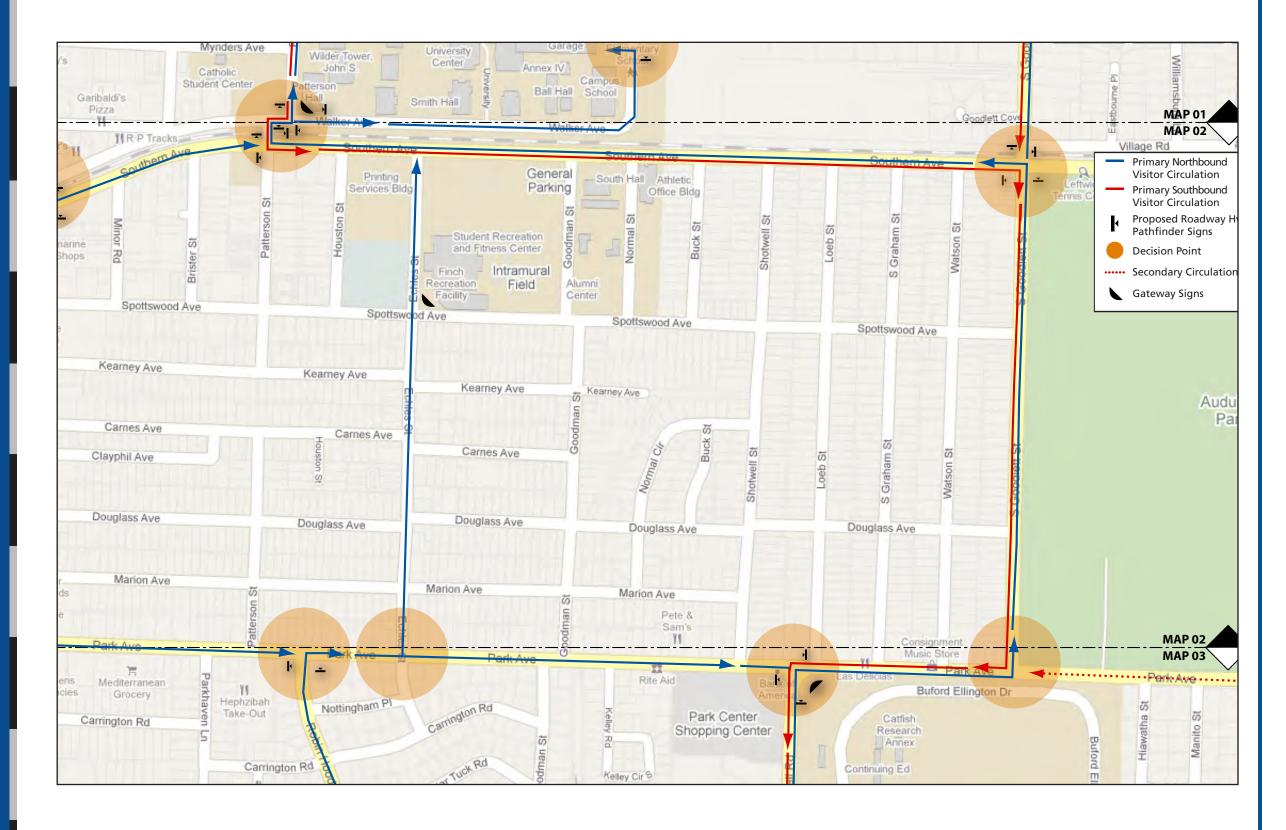
When approaching the University from any direction, one must first be clear as to which location their particular destination is located. As there are two academic campuses, Main and Park Avenue; as well as, the athletic complex where the stadium is located, it is necessary to understand the relationship of these three independent locations to each other and the proximity in miles from one to another.

The Main campus is segregated by two major factors the railroad and Central Avenue. North of Central there is a large, surface parking area. Similarly, this same scenario can also be found south of the railroad tracks in addition to other destinations, which are more athletically related.



Even though the main campus is one geographic area, the major separators like the railroad and Central Avenue make traversing difficult to the unfamiliar visitor or new student. This is due to a lack of pathfinder and University specific directional signage.

2

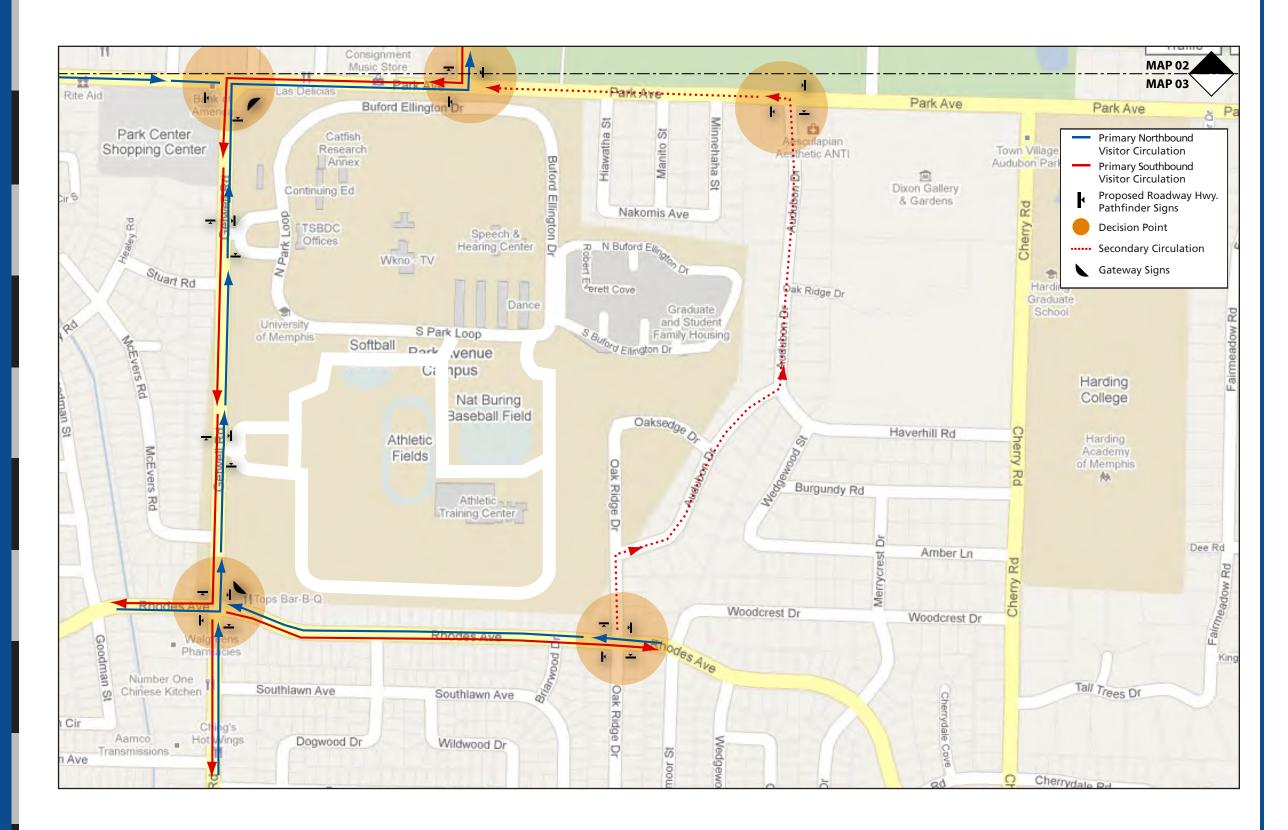


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The football stadium is also difficult to find if one follows the DOT type signage off of the interstate as it leads to the Main campus and not the adjacent locations for sports or the Park Avenue campus. The lack of pathfinders around each of the three campuses and connecting each to the other makes wayfinding difficult.

The master plan calls for a new front door for the campus on S. Highland Street. Once this occurs the connection routes may be more pronounced between the Main and Park Avenue Campuses; as well as, the business district where the bookstore and other retail amenities will be located.

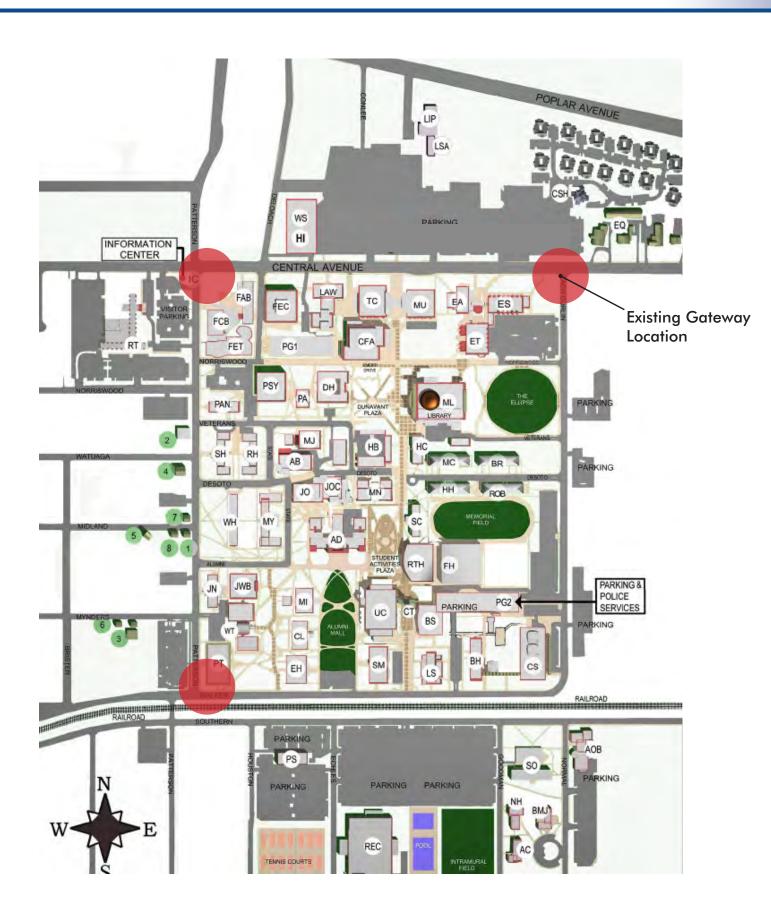
There is no presence for the University until one is actually on its property. Banners, Gateway, directional and pathfinder signage as a whole are lacking particularly at major intersections, travel routes through neighborhoods and decision points.



2b. Gateways

Main campus has made an attempt at creating geographic boundaries through the use of a larger horizontal signs placed at key entry points around the campus. Unfortunately these signs sit parallel to the public roadways and flow of traffic, necessitating that one look left or right to view them as opposed to the more visible perpendicular placement. The entrance signs are not internally illuminated they are uplighted instead. At each location where an entrance sign is placed, there are two banners attached to a single pole. One banner shows the University crest and the other shows the more graphic representation of blue and black stripes.

ANALYSIS OF EXISTING CONDITIONS

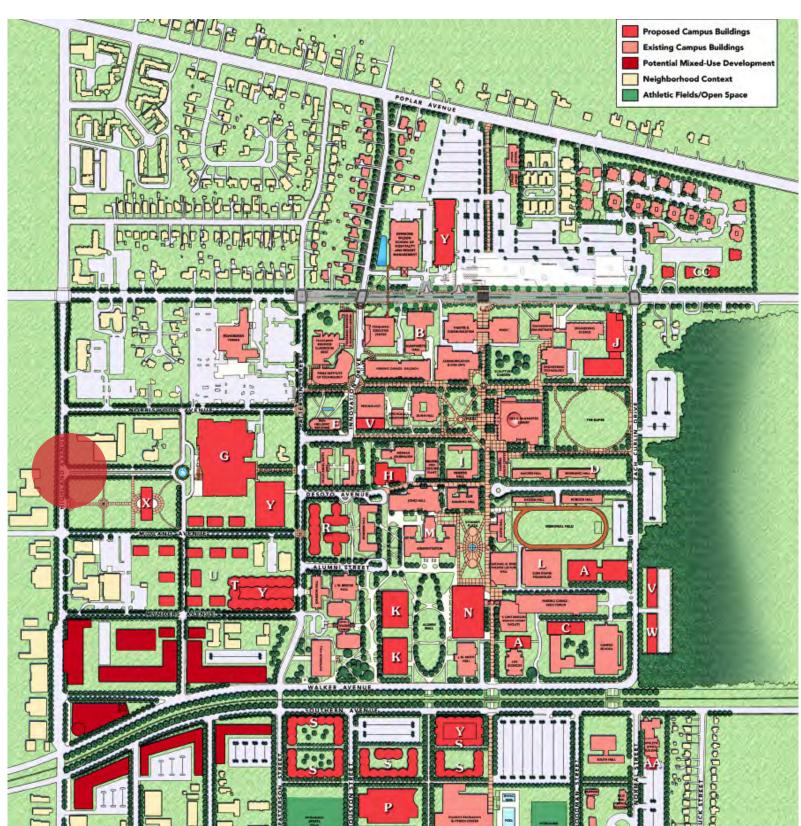


Main Campus



2

ANALYSIS OF EXISTING CONDITIONS



Main Campus

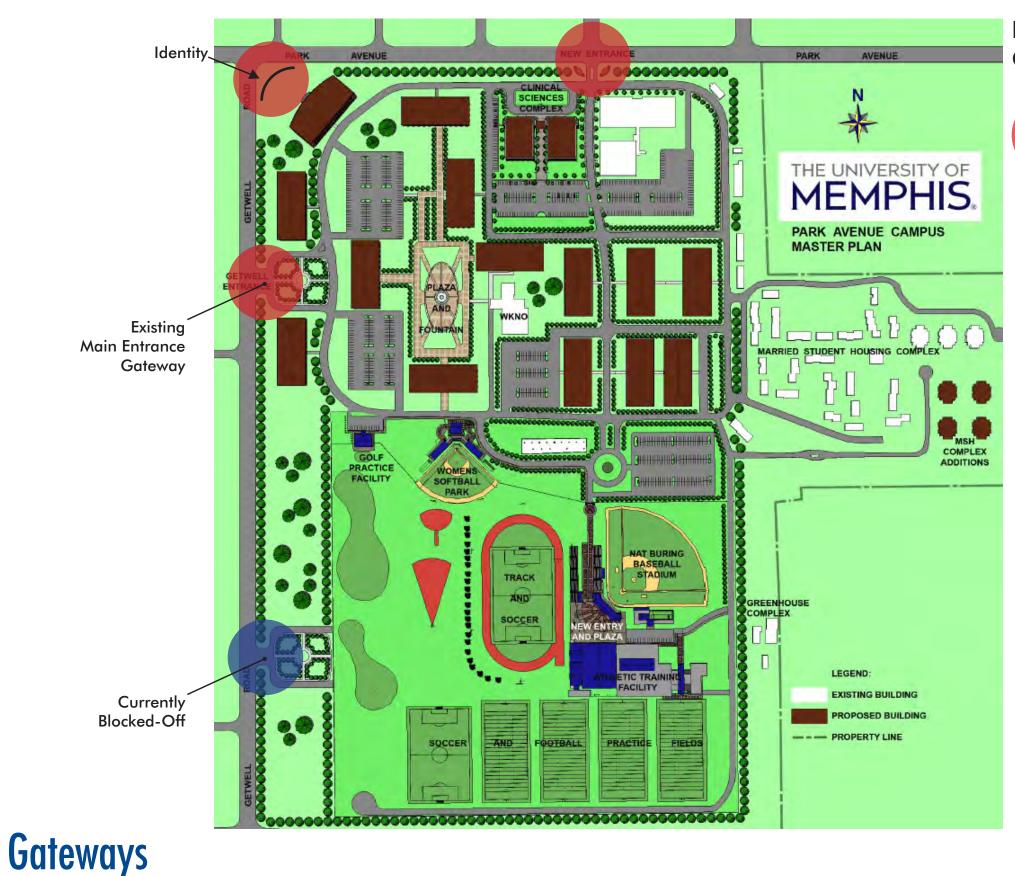
Future Gateway Location

Future Gateway

Gateways

2

ANALYSIS OF EXISTING CONDITIONS



Park Avenue Campus



2c. Adjacent campuses

Main Campus

The main campus houses most of the primary destinations for the University. The campus is bordered by Central Avenue, Patterson Street, Zach Curlin Drive and Walker Avenue. South of Walker Avenue are additional recreational facilities parking lots. The main campus is segregated by the Southern Railroad, which runs parallel with Walker Avenue, forcing students to cross the tracks either on foot or by vehicle in order to traverse from one location to the other. Parking is also located on the southern side of Walker Street, proving a dangerous scenario for pedestrians, who often cross the tracks at the closest point and not at the designated crossing zones.

Park Avenue Campus

Located a few blocks south of the main campus and accessed through residential neighborhoods, the Park Avenue campus is bordered by Park Avenue to the north, Getwell Road to the west, Rhodes Avenue to the south and South Fourth Street to the east. In addition to a few classroom buildings, the campus houses practice fields, student housing and other maintenance facilities for the University. The disconnect from the main campus, makes the neighborhood connector roads an important tie between destinations. The lack of University branding is evident along these major thoroughfares. This missed opportunity should be considered as a link between all University property.

Football Stadium Complex

To the west of the main and Park Avenue campuses The Liberty Bowl Athletic Complex can be found. As it is emote from both the main and Park Avenue campuses, there is an assumption that is easy to find. Currently the only directions are paw prints along Central Avenue.

ANALYSIS OF EXISTING CONDITIONS





Adjacent campuses

SURROUNDING NEIGHBORHOODS



Surrounding neighborhoods

There are several neighborhoods that surround or abut the Main campus of the University of Memphis. These make up the UMW Neighborhood Coalition. As a major player centrally located among residential communities, there is a lack of unison for all entities associated with the University and the University itself.

The discussion of pathfinder signage to and from the University has occurred in previous chapters of this analysis document, and once again it is highlighted here to reinforce the connectivity of community and the importance of the University to the overall geographic area.

Community pathfinders with a focus on the University can highlight direction between all campus sites, and to the various neighborhoods, which include; East Buntyn, Normal Station, Joffre, Messick Buntyn and Red Acres. Directional messages to each of these locations provided by the University on a sign formatted to be consistent in look to the rest of the new signage, yet custom to the community, will tie together the neighborhoods, add a sense of place to the University and foster a "good neighbor" policy to the surrounding residential and business areas.

The possibility of having the street signage also reflect those found on the campuses, could further tie together residential and business areas with the University, truly creating the "University District" and not just three campuses surrounded by neighboring communities.

3

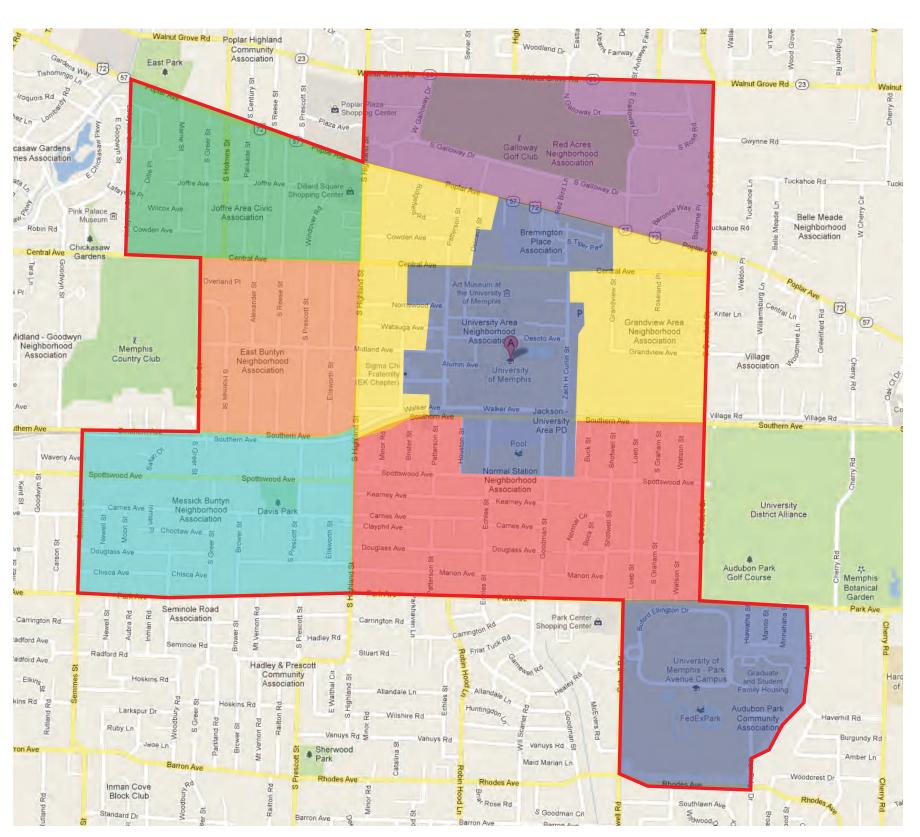
SURROUNDING NEIGHBORHOODS











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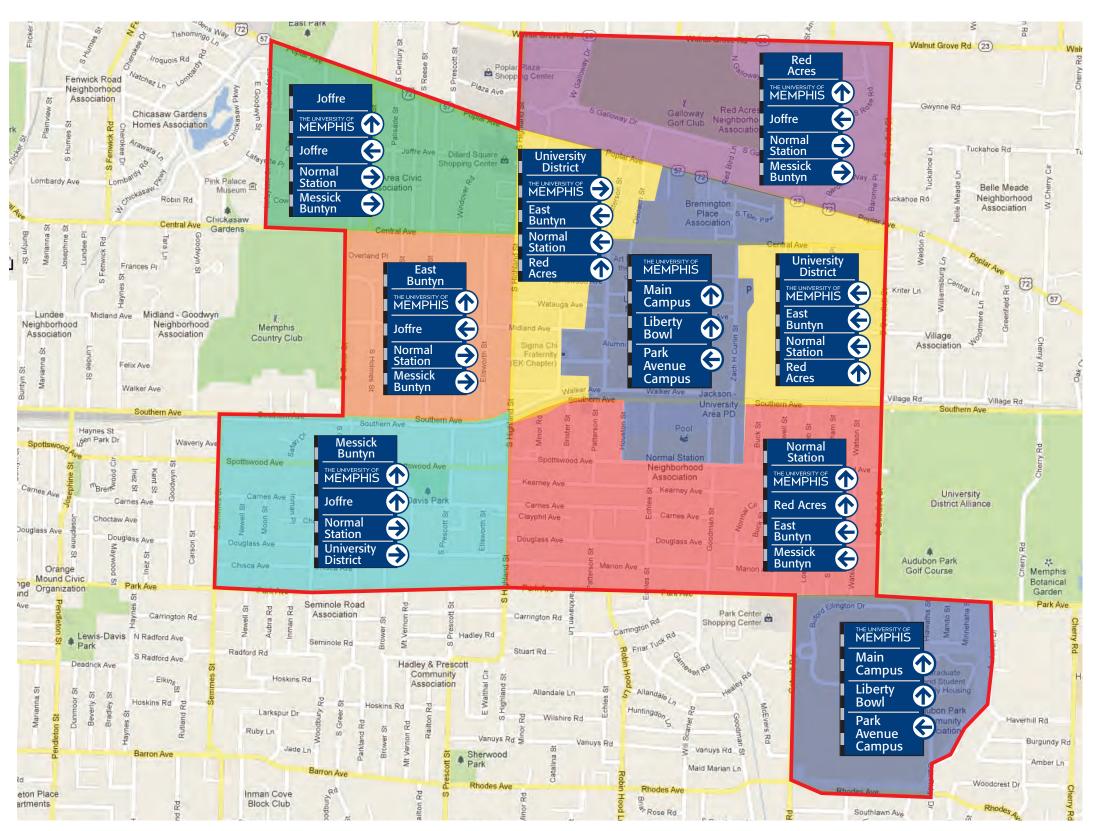
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3

SURROUNDING NEIGHBORHOODS



3 SURROUNDING NEIGHBORHOODS

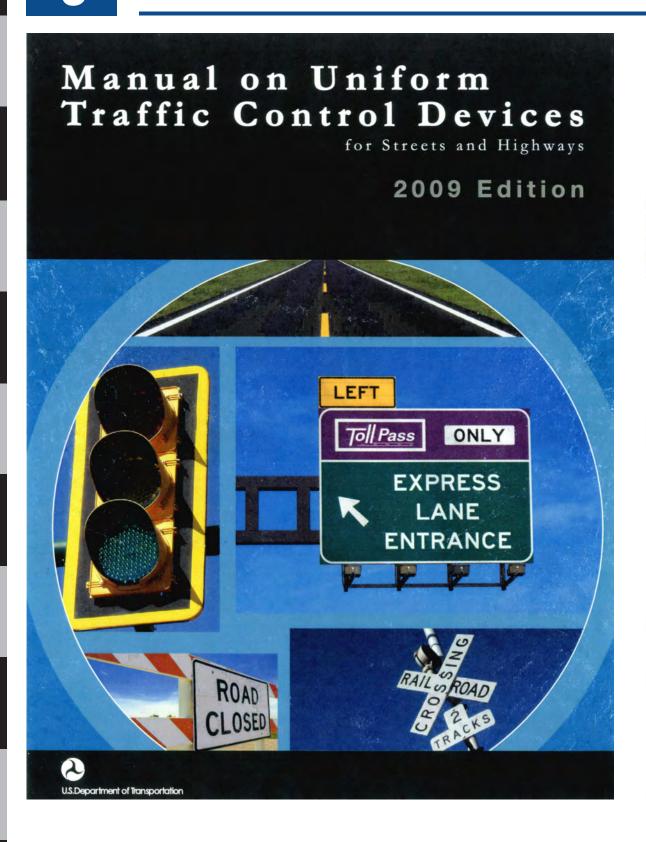


Figure 2D-18. Examples of Community Wayfinding Guide Signs

A - Community Wayfinding Guide Signs with Enhancement Markers



B - Destination Guide Signs for Color-Coded Community Wayfinding System



Guidance:

- Because pedestrian wayfinding signs typically use smaller legends that are inadequately sized for viewing by vehicular traffic and because they can provide direction to pedestrians that might conflict with that appropriate for vehicular traffic, wayfinding signs designed for and intended to provide direction to pedestrians or other users of a sidewalk or other roadside area should be located to minimize their conspicuity to vehicular traffic. Such signs should be located as far as practical from the street, such as at the far edge of the sidewalk. Where locating such signs farther from the roadway is not practical, the pedestrian wayfinding signs should have their conspicuity to vehicular traffic minimized by employing one or a combination of the following methods:
 - A. Locating signs away from intersections where high-priority traffic control devices are present.
 - B. Facing the pedestrian message toward the sidewalk and away from the street.
 - C. Cantilevering the sign over the sidewalk if the pedestrian wayfinding sign is mounted at a height consistent with vehicular traffic signs, removing the pedestrian wayfinding signs from the line of sight in a sequence of vehicular signs.
- To further minimize their conspicuity to vehicular traffic during nighttime conditions, pedestrian wayfinding signs should not be retroreflective.

Support:

12 Color coding is sometimes used on community wayfinding guide signs to help road users distinguish between multiple potentially confusing traffic generator destinations located in different neighborhoods or subareas within a community or area.

Option:

- At the boundaries of the geographical area within which community wayfinding guide signing is used, an informational guide sign (see Figures 2D-18 and 2D-20) may be posted to inform road users about the presence of vayfinding signing and to identify the meanings of the various color codes or pictographs that are being used.

 Standard:
- These informational guide signs shall have a white legend and border on a green background and shall have a design similar to that illustrated in Figures 2D-1 and 2D-18 and shall be consistent with the basic design principles for guide signs. These informational guide signs shall not be installed on freeway or expressway mainlines or ramps.

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2009 Edition

3

SURROUNDING NEIGHBORHOODS

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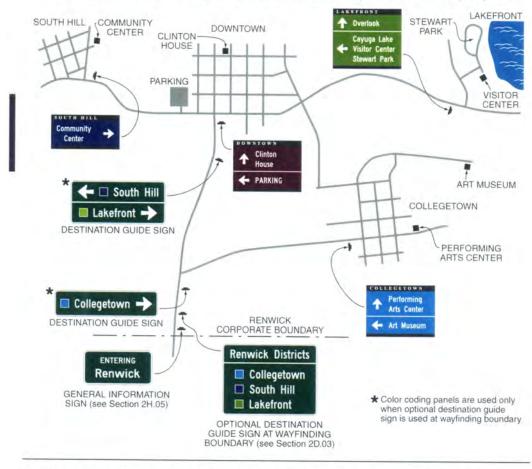
Figure 2D-19. Example of a Community Wayfinding Guide Sign System Showing Direction from a Freeway or Expressway



The color coding or a pictograph of the identification enhancement markers of the community wayfinding guide signing system shall be included on the informational guide sign posted at the boundary of the community wayfinding guide signing area. The color coding or pictographs shall apply to a specific, identifiable neighborhood or geographical subarea within the overall area covered by the community wayfinding guide signing. Color coding or pictographs shall not be used to distinguish between different types of destinations that are within the same designated neighborhood or subarea. The color coding shall be accomplished by the use of different colored square or rectangular panels on the face of the informational guide sign, each positioned to the left of the neighborhood or named geographic area to which the color-coding panel applies. The height of the colored square or rectangular panels shall not exceed two times the height of the upper-case letters of the principal legend on the sign.

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Figure 2D-20. Example of a Color-Coded Community Wayfinding Guide Sign System



Except for the informational guide sign posted at the boundary of the wayfinding guide sign area, community wayfinding guide signs may use background colors other than green in order to provide a color identification for the wayfinding destinations by geographical area within the overall wayfinding guide signing system. Color-coded community wayfinding guide signs may be used with or without the boundary informational guide sign displaying corresponding color-coding panels described in Paragraphs 13 through 16. Except as provided in Paragraphs 18 and 19, in addition to the colors that are approved in this Manual for use on official traffic control signs (see Section 2A.10), other background colors may also be used for the color coding of community wayfinding guide signs.

Standard:

- The standard colors of red, orange, yellow, purple, or the fluorescent versions thereof, fluorescent yellow-green, and fluorescent pink shall not be used as background colors for community wayfinding guide igns, in order to minimize possible confusion with critical, higher-priority regulatory and warning sign color meanings readily understood by road users.
- The minimum luminance ratio of legend to background for community wayfinding guide signs shall be 3:1.
- All messages, borders, legends, and backgrounds of community wayfinding guide signs and any identification enhancement markers shall be retroreflective (see Sections 2A.07 and 2A.08).

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The different colored square or rectangular panels may include either a black or a white (whichever provides the better contrast with the color of the panel) letter, numeral, or other appropriate designation to identify the destination.

EXISTING WAYFINDING CONSIDERATIONS

An understanding of the existing considerations and inherent wayfinding needs of the University of Memphis is imperative to any successful implementation of campus wayfinding. Students, visitors, faculty, staff, service and other visitors all are messaged through wayfinding during their arrival and time on campus. Pedestrian, vehicular, building and signage all are opportunities to celebrate their arrival and clearly communicate circulation on campus creating a memorable and endearing experience.

4

EXISTING WAYFINDING CONSIDERATIONS













4

EXISTING WAYFINDING CONSIDERATIONS



Define of Pedestrian Entries



Promote Campus Interactions



Celebration of Building & Destinations



Complement Wayfinding Systems

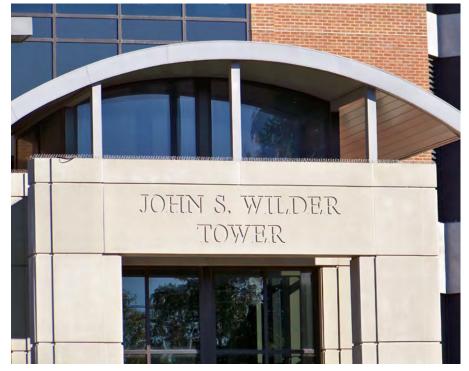
Landscape

04.1

4

EXISTING WAYFINDING CONSIDERATIONS













4

EXISTING WAYFINDING CONSIDERATIONS













In addition to signage, many site improvements contribute both consciously and subconsciously to a successful wayfinding experience. The University of Memphis has many fine examples that should be continued as complements to signage wayfinding. Hardscape can increase with intensity and quality near building entries and significant social interaction space. Building entry facades can be used to place wayfinding upon either literally or artfully to emulate their use. Architecture elements such as the campus clock tower can dominant and draw attention to a significant location.

4

EXISTING WAYFINDING CONSIDERATIONS









Architectural elements

Existing Sign Types

A variety of sign types exist on the Main, Park Avenue and Stadium properties. These include old and new gateway signage, minimal directional signage and building identification.

The existing signage is full of inconsistencies. For example, arrows, fonts, colors type size and even sign units themselves vary from location to location. Some of the directional signage is comprised of individual message inserts while others are just one overall sign face limiting flexibility and changeability over time. The University name/logo brand is used in various forms from the older seal version to the current branding standard.

Many signs are grey with white copy, which is often difficult to read due to the lack of color contrast and others are blue with white copy, which present a higher contrast and increased legibility. The only true pathfinders that exist are the paw prints along Central Avenue. And these are difficult to see in heavy traffic and various weather conditions. The lack of signage to and from campuses, parking areas and within the pedestrian portions of the campus leaves a huge void in wayfinding and assumes that everyone is familiar with the University and its adjacent locations.

5

EXISTING SIGN TYPES









Gateways

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EXISTING SIGN TYPES











Directional

5











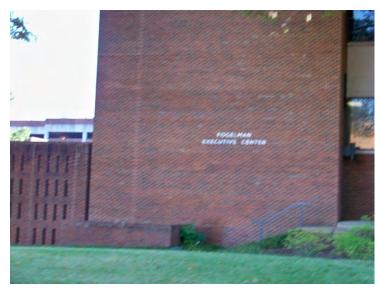


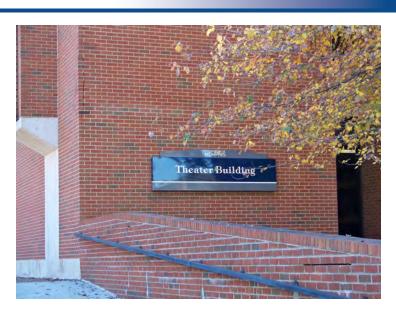


There is an attempt at unifying many of the buildings through a wall-mounted building identification sign type. However, in many cases not only are these newer signs present, but there are also other signs, which have not been removed or are a part of the architecture located in close proximity adding clutter and confusion making wayfinding more difficult than necessary. A good example of this is the Arts Building where there are three signs located around a single door saying the same thing.

These newer signs are not consistently located on building facades either. Some are on the second story while others are adjacent to the entrance doors. As they are not internally illuminated, many are difficult to view in the evening when ambient lighting is limited or during the day when located in the shade of a large tree.



























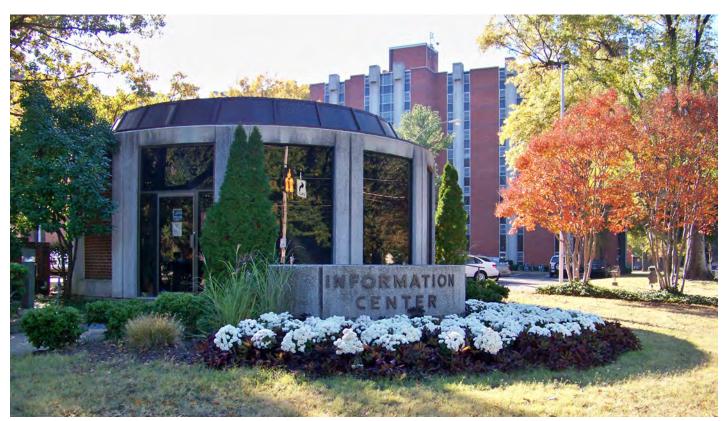






In addition to the wall-mounted building identifiers, there are a variety of freestanding signs that are inconsistent. These add to the clutter and visual confusion on the campus and take away from branding and graphic continuity.

5





Parking signage and trail signage are unique to each other and do not carry consistent colors, fonts, poles or mounting heights. Accessible parking signage is not only a visual problem, but it is also a code compliance issue as it is often mounted too low to the ground violating the MUTCD (Manual for Uniform Traffic Control Devisces) and the Americans with Disabilities Act.

5











Regulatory signage and street signage as with the others lack consistency and miss the opportunity to unify the campus through customized signage elements like painted poles or street blades that had an icon that is reflective of the University's identity

5











RECOMMENDATIONS

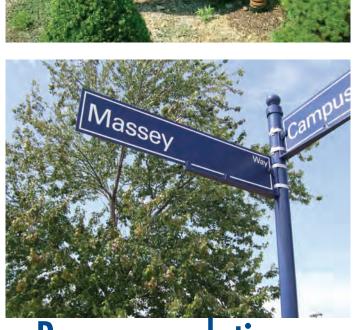
When making recommendations for wayfinding and landscape relationships on campus, an examination of what is successful on campus and what could use improvement is always helpful. Maintenance and material success is directly related to irrigation, soil medium health, equipment and skill of maintenance staff. Indirectly the success is also the result of the stability and appropriateness of maintenance budgets.

SIGNAGE RECOMMENDATIONS











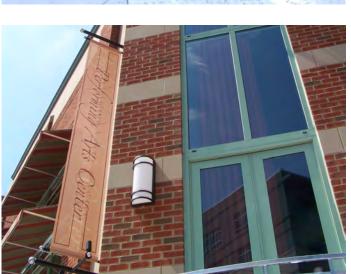


Signage Recommendations

6

SIGNAGE RECOMMENDATIONS











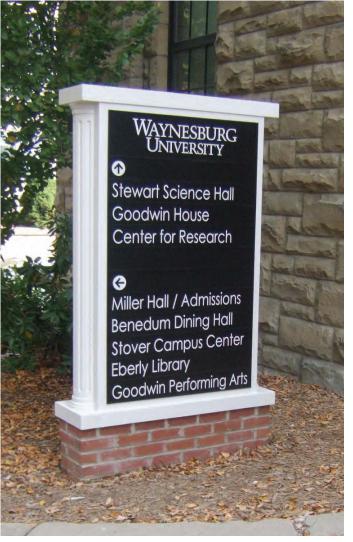






Signage Recommendations

SIGNAGE RECOMMENDATIONS















Signage Recommendations

- 1) Landscape protects sign units from:
 - Snow removal
 - Weed whackers
 - Lawnmowers
- 2) Plants add color and create visual interest.
- 3) Hides structural supports/foundations.
- 4) Formalize the the look and placement of signs.

Recommendations for the implementation of landscape in cooperation with Wayfinding have been proposed. These recommendations form a goal for the landscape and wayfinding relationships on campus. Though there may be many opportunities for landscape on campus, this document addresses those that have a direct interface with the wayfinding experience.

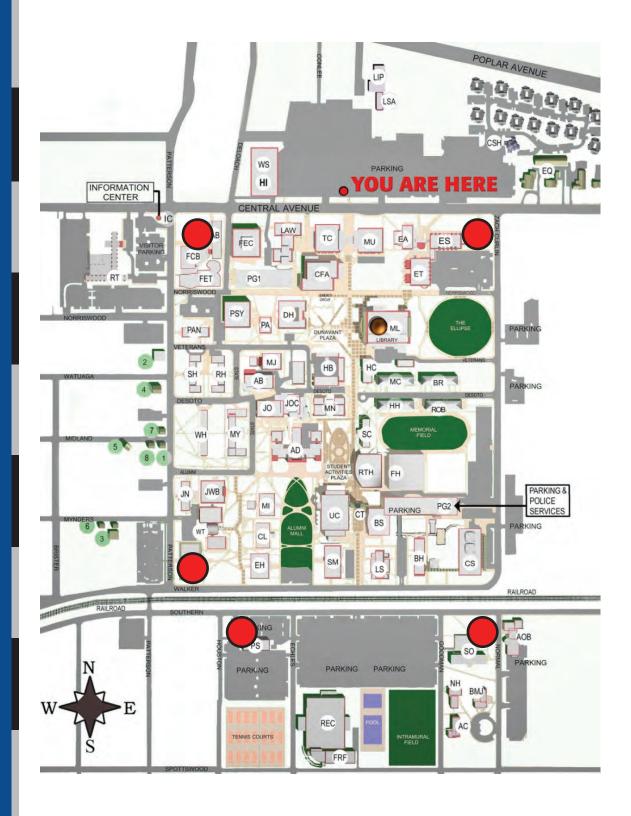
- 1) Landscape shall complement the following sign types:
 - Gateways
 - Primary directional
 - Building identification at grade
- 2) Landscape shall be concentrated at building main entries.
- 3) Landscape shall define destinations and open space.
- 4) Landscape shall be used to guide/celebrate pedestrian and vehicular circulation.
- 5) Landscape shall be used to educate.

Landscape and signage relationships can best be understood by examining a few options for the proposed Primary Campus gateways. This map indicates the possible considerations for the most significant signage that will be used to announce the perimeters of the campus proper to all who visit campus.

An outstanding example of the proper manner in which to address an edge of campus is the proposed Central Avenue improvements. Wayfinding of both pedestrians and vehicles are being addressed by this plan. There is much to benefit from the design principals and materials proposed that can be applied to the other significant primary gateways to campus. Inspiration drawn from campus architectural elements such as the clock tower provide harmony and subsequent comfort to those who enjoy a full campus experience.

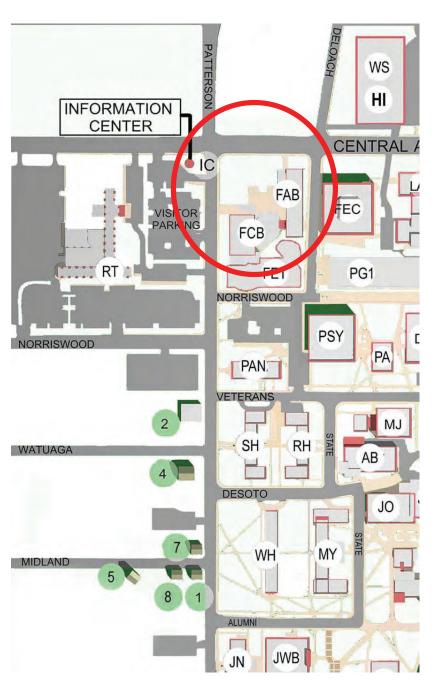
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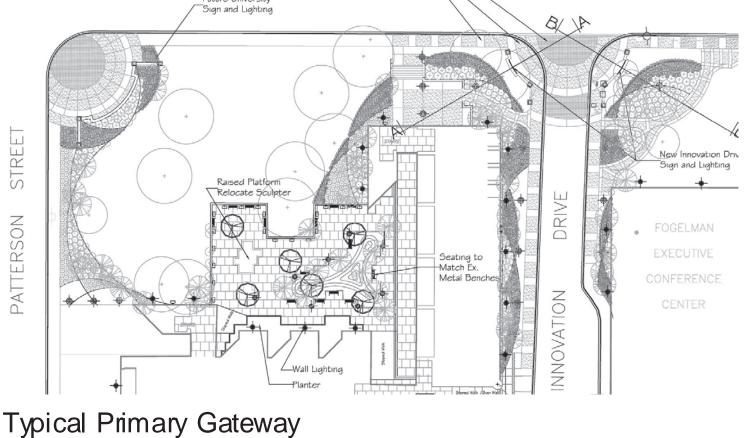
LANDSCAPE RECOMMENDATIONS





Primary Gateways

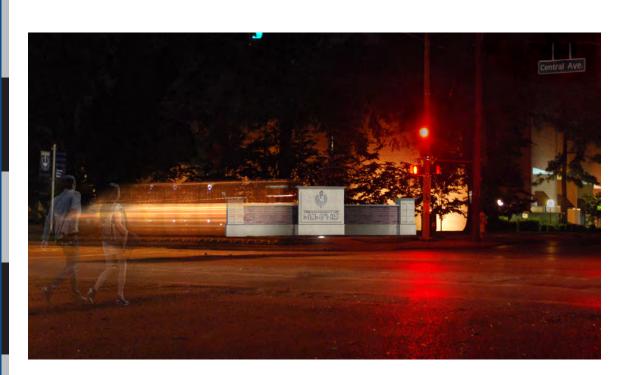




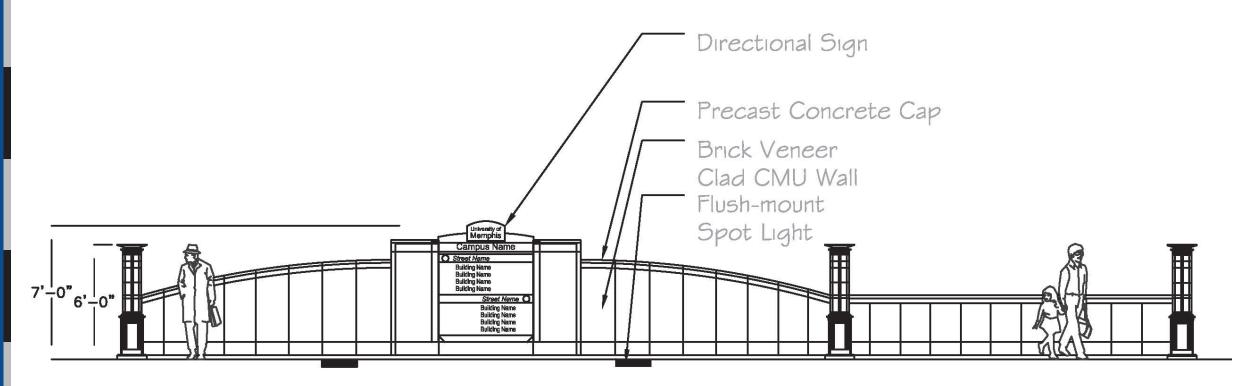
Location Plan

6

LANDSCAPE RECOMMENDATIONS







Innovation Drive Entry/Directional Sign

Understanding a history of materials and form on campus can provide inspiration for design development of wayfinding signage and landscape relationships. On this signage and landscape campus example the use of charming architect components complement the metal work and warmth of the red brick, a campus building material standard from that era.

6



Landscape and hardscape materials can be used to define pedestrian routes and guide vehicular circulation to prevent damage of open space while celebrating building arrival.

6

LANDSCAPE RECOMMENDATIONS



Landscape Recommendations

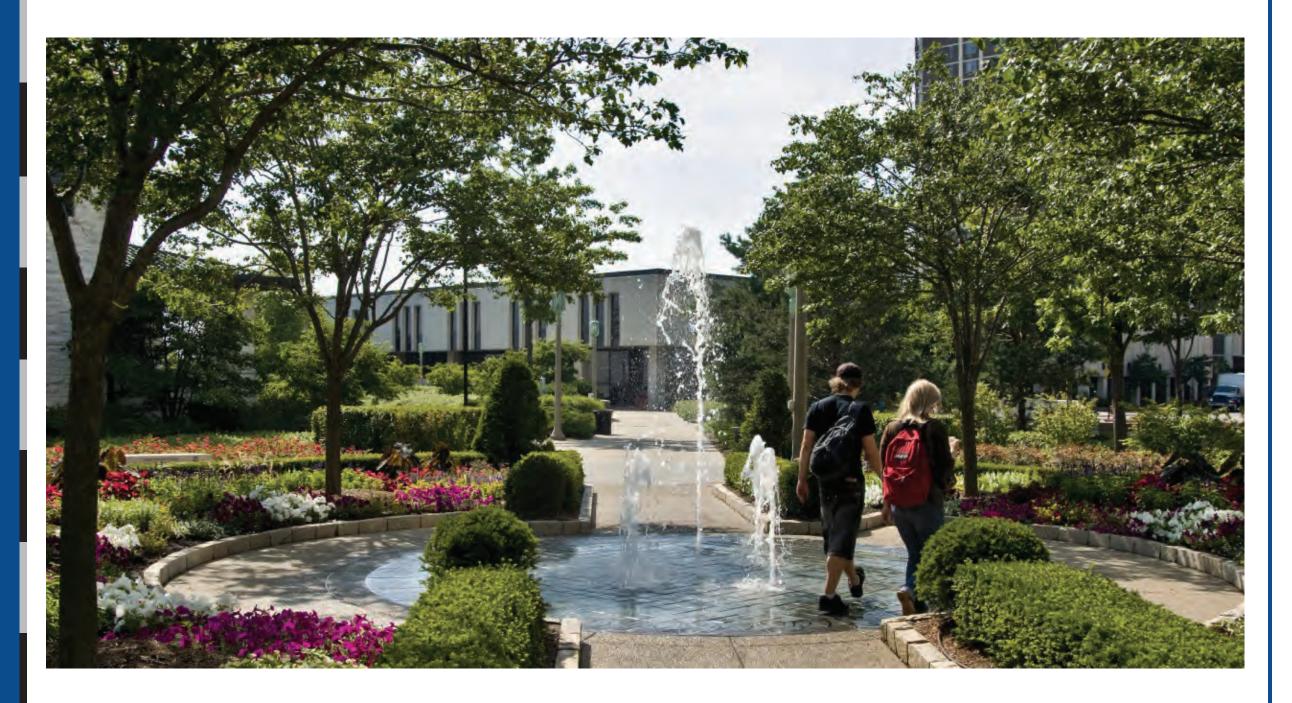
Planters and landscape can be used to celebrate seasonal interest while visually defining the entries to buildings while defining building front doors.

6



Landscape detail and subsequent plant material interest should be used to articulate destinations. As appropriate plant materials can be used to educate students and public subsequently increasing awareness of the natural environment.

6



Fundamental uses for Landscape is the control and direction of both vehicle and pedestrian.

Dense hedge materials control pedestrian direction while trees shade pathways from sun for comfort. Additionally, shade trees and hedges can be used to screen undesirable visual experiences to reinforce desired circulation routes.





This landscape option for the primary gateway utilizes a curved wall of red brick and a contemporary (to become timeless) masonry end piers as an expression of the recent clock tower and proposed Central Avenue improvements. This wall may be also placed straight at a 45 degree angle to the appropriate intersection.

This landscape option for the primary gateway utilizes a curved form of metal pickets and a contemporary (to become timeless) masonry end piers as an expression of the recent clock tower and proposed Central Avenue improvements. This form may be also placed straight at a 45 degree angle to the appropriate intersection.

In addition to the landscape and signage gateway, two other signs and proposed to receive landscape as part of the wayfinding expression. These signs represent significant confirmation and decision points during wayfinding and subsequently the rationale for the landscape attention. A framework of landscape that is seasonally interesting should be used mixing a variety of annual and perennial plantings selected from the campus Design Guidelines palette of materials. Signage that will not have a landscape area should be addressed either by placing it or surrounding it with at graded pavement, placing it on a masonry base or circumventing the base of the sign with an edged aggregate 'bed'.





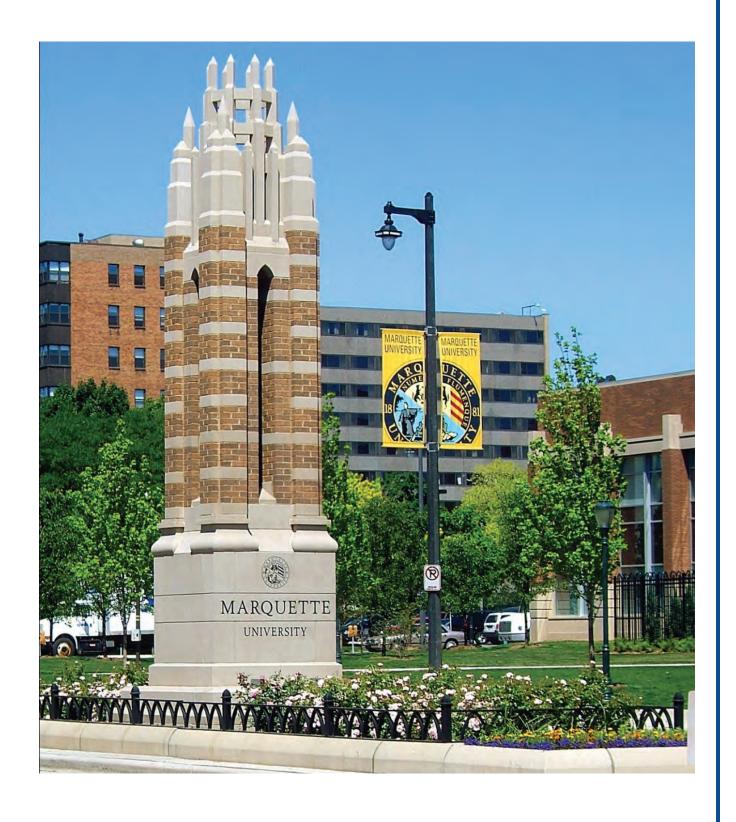
When gateway signage is fully implemented to address all campus announcement locations and both vehicular and pedestrian entries a harmonious environment of unity, quality and care result in a celebration of campus arrival.

6

LANDSCAPE RECOMMENDATIONS







Landscape Recommendations

Wayfinding complement intent can range from the very serious and intellectually ethereal to the fun and whimsical. At the campus of the University of Illinois Champaign a sculpture, in the center of the primary north south quadrangle connects earthly inhabitants with the 'stars' through an astrological alignment sculpture. A sculpture of a portable, moonshine still delights passersby of the Art Building — a campus should considered both the serious nature of wayfinding while also having some fun.





THE UNIVERSITY OF MEMPHIS_®

In addition to signage, many site improvements contribute both consciously and subconsciously to a successful wayfinding experience. The University of Memphis has many fine examples that should be continued as complements to signage wayfinding. Hardscape can increase with intensity and quality near building entries and significant social interaction space. Building entry facades can be used to place wayfinding upon either literally or artfully to emulate their use. Architecture elements such as the campus clock tower can dominant and draw attention to a significant location.

LANDSCAPE RECOMMENDATIONS

- Yellowwood Cladrastis kentukea
- · Eastern red cedar Juniperus virginiana
- Ginkgo or maidenhair tree Ginko biloba—

> LARGE SHRURS

Properly placed, medium or larger shrubs work well as visual screens. These shrubs can be used to accentuate signage plazas, building entries, and other elements of visual interest. They can protect seating areas from winter winds and allow passage of summer breezes. Some of these functional species include:

- . Foster holly llex x attentuata 'Foster
- American holly llex opaca Ait
- Nellie Stevens holly Ilex x 'Nellie R. Stevens · Willow leaf holly llex comuta 'willow leaf'
- Star magnolia Magnolia stellata
- Saucer magnolia Magnolia x soulangiana
- Wax myrtle Myriacaccae Morella cerifera Viburnum species
- Chaste tree Vitex agnus-castus
- * Purple smoke tree Cotinus coggygria
- Witch hazel Hamamelis virginiana · Yaupon holly ilex vomitoria
- Needlepoint holly llex comuta 'Needlepoint'
- Pfitzer juniper Juniperus chinensis

MEDIUM SHRURS

Use medium shrubs to add scale, shape, texture and color to plantings that provide a screen for floodlights or that help

- Needlepoint holly Ilex comuta 'Needlepoin'
- · Carissa holly llex cornuta 'Carissa' * Aucuba Aucuba japonica
- Selected azalea rhododendron species

- * Rose glow barberry Berberis thunbergii van
- > SMALL SHRUBS

Low-growing shrubs and ground covers can add interest at the base of buildings



used (note that the

guidelines recommend using ground covers for this function; use shrubs as foundation plantings only sparingly). Appropriately selected and placed shrubs and ground covers require little mainused in areas that cannot sustain grass or where grass is not desirable:

- . Dwarf crimson pygmy barberry Berberis
- · Helleri holly
- . Procumbens junine

- Mondo grass

· Heavenly bamboo Nandina domestica « Cleyera Cleyera japonica

The University of Memphis-

-Design Guidelines

- Harbor dwarf Nandina
- * Firepower Nandina . Dwarf yaupon holly Ilex vomitoria 'Nana'
- thunbergii atropurpurea 'Crimson Pyamy'

- . Blue star juniper

> GROUND COVERS

- · Variegated liriope Liriope spicata 'variegata'
- · Pachysandra Pachysandra terminalis * English ivy Hedera Helix
- * Autumn fern
- . Dwarf mondo grass
- . Carolina iasmine





Landscape Recommendations

Hardscape materials such as walls, fencing, seating, bollards and lighting all should be used to reinforce the wayfinding experience. The current University of Memphis Design Guidelines propose hardscape uses that will equally contribute to a complete wayfinding solution. Often the needs arises to guided movement in a preferred direction of which the subtle and direct use of hardscape elements, in corporation with wayfinding will enhance the intent. Several excellent examples of the use of harsdscape in this manner have been implemented on campus.

6

LANDSCAPE RECOMMENDATIONS

The size and location of signage should be determined by individual architects on project-by-project basis. Generally guidelines intended to limit the size and location of signs are not useful in specific situations and tend to underplay the value and visual interest that wayfinding, event, and other signage can contribute. New signs should take their cues for size and location from existing nearby signage—although new signs should not compete with, or confuse, the messages provided by existing signage.

OPEN SPACE

Plazas

Plazas provide areas for the campus community to gather informally outside. Their design should incorporate some of these elements: $\frac{1}{2} \left(\frac{1}{2} \right) = \frac{1}{2} \left(\frac{1}{2} \right) \left($

- · Wider paths leading up to them (to help create a sense of arrival).
- A focal element or signature design feature—such as a clock tower, fountain, sculpture, or specimen planting/s—to contribute to a sense of place.
- A variety of paving materials, together with a mix of paving and plant materials is desirable. The intended use should determine the mix.







- Adequate seating in the form of planter walls or benches, both measuring 15 to 20 inches high and at least 2 feet from circulation routes.
 Provide space at the ends of seating areas for wheelchairs.
- Seating arranged to encourage conversation.
- · Adequate lighting, as identified in the 1997 lighting study.
- A relatively open plan that assures enough outward visibility to provide a sense of security.
- Orientation that takes into account patterns of sun and shade. A plaza should protect users from winter winds and be open to summer breezes.
- Plant materials that provide shade and seasonal interest.











Landscape Recommendations



6

RECOMMENDATIONS

- Signage must create a "Sense of Place".
- Gateways reflective of key architectural elements.
- Signage/Landscape relationships enhance the written word.
- Signage must relate to both campuses architecturally.
- Wayfinding is comprised of:
 - -Signs
 - -Landscaped zones
 - -Architectural features
- Pathfinders connect independent campuses and neighborhoods.

Recommendations

CODE CONSIDERATIONS

a. Code considerations

MEMPHIS AND SHELBY COUNTY
UNIFIED DEVELOPMENT SIGNAGE CODE (4.10)

MUTCD Signs

4.10.2 Signs conforming to the Manual of Uniform Traffic Control Devices and bearing no commercial messages shall be exempt from the permit requirements of chapter 4.10

L.E.D. Message Boards

4.10.6.E - The message board elements shall not constitute more than 200 square feet of a sign and will require an electrical permit. Such technology shall be programmed so that the message or image on the sign changes no more often that nonce every eight seconds

Supplemental Wayfinding Signs

4.10.7.M — Shall not exceed five feet in height or 16 square feet in area, any such sign that is located within 50 feet of the right of way or that is legible from the right of way shall bear no commercial message or be located within 50 feet of property zoned for single-family residential uses.

Pole, Post or Pylon signs

4.10.7.0 — Support poles having a diameter of less than 18 inches shall be constructed with a pole cover or jacket around the support poles. The minimum depth of the pole cover or jacket shall be 12 inches.

Complex Signs

4.10.7.2 The sign may bear no commercial message except the name of a neighborhood, project or complex containing a governmental use or school.

7 CODE CONSIDERATIONS

- 1) MUTCD Exempt
- 2) LED Size maximum 200 sf per sign
 - 1 x 8 seconds
- 3) Directional
 - 5 ft height maximum
 - 16 sf in grea
- 4) ROW within 50 ft
 - No commercial messages
 - Not located within 50 ft of single family housing

4.10.7.3 Maximum Gross Surface Area: The maximum gross surface area for a complex sign shall not exceed the size shown in the table below.

Street Type	Maximum Gross Surface
	Area of Sign
Local street (<60 feet ROW) 30 square feet
Connector street (6068 feet	ROW) 30 square feet
Arterial street (69160 feet R	OW) 50 square feet
Limited access road (>161	feet) 100 square feet

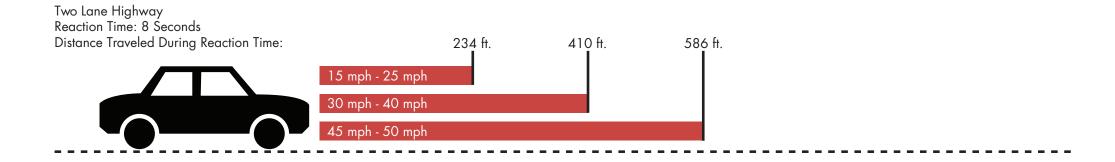
4.10.7.3 Maximum Height: The maximum height of a complex sign shall not exceed the size shown in the table below.

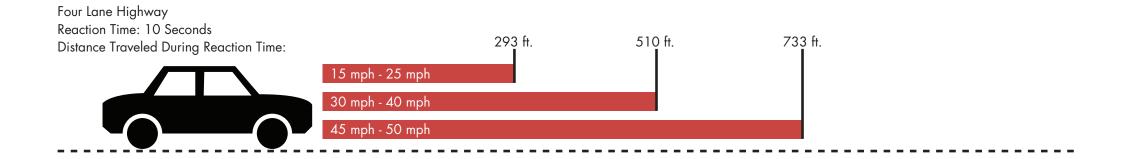
Street Type	Height of Sign
/	

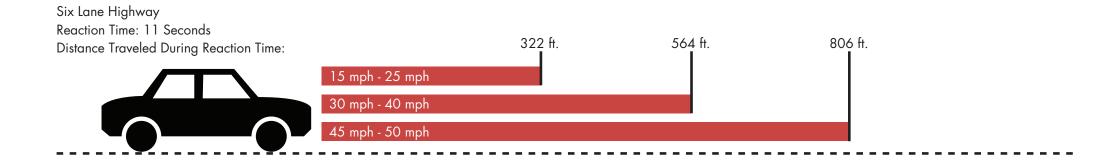
Local street (<60 feet ROW) 10 feet
Connector street (6068 feet ROW) 10 feet
Arterial street (69160 feet ROW) 16 feet
Limited access road (>161 feet) 24 feet

4.10.7.3 Temporary Sign Regulations
Temporary signs shall be either detached or attached signs and shall set back at least 10 feet from the right of way and 15 feet from any other lot line

CODE CONSIDERATIONS



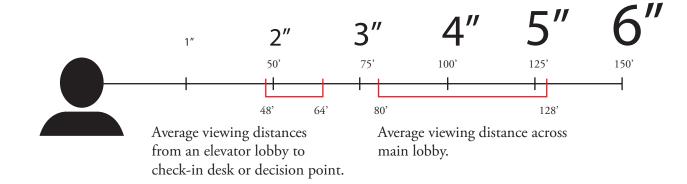


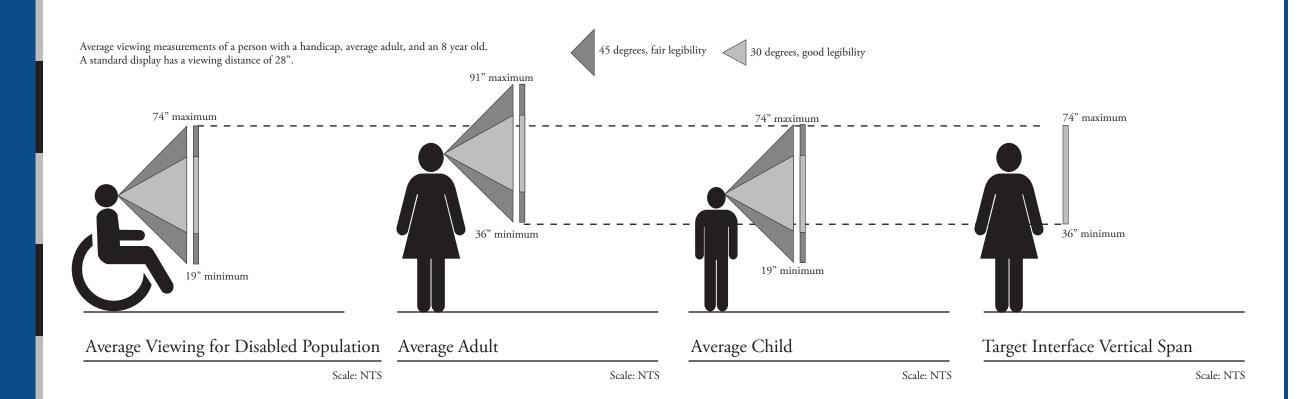




Manual for Uniform Traffic Control Devices

CODE CONSIDERATIONS





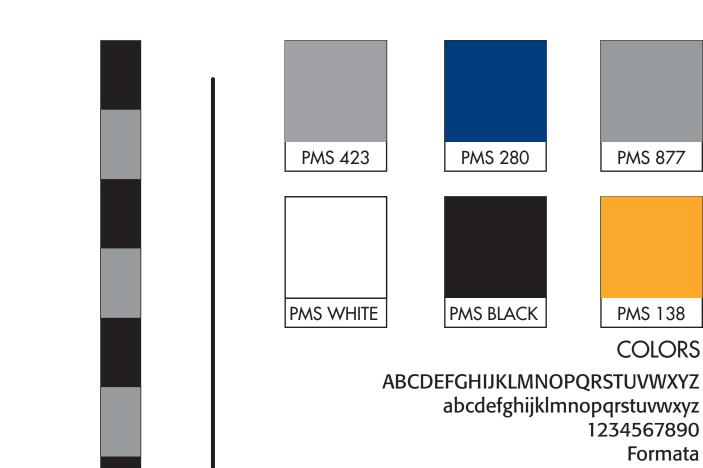
GRAPHIC CONTENT CRITERIA

- a. Code Considerations
- b. Type / Font
- c. Type Size
- d. University Graphic Standards
- e Colors

GRAPHIC CONTENT CRITERIA



THE UNIVERSITY OF MEMPHIS



 $AB\Psi\Delta E\Phi\Gamma HI\Xi K\Lambda MNO\Pi\Theta P\Sigma T\Theta \Omega 6XYZ$ $\alpha\beta\psi\delta\epsilon\phi\gamma\eta\iota\xi\kappa\lambda\mu\nu\sigma\pi\vartheta\rho\sigma\tau\theta\omega\phi\chi\upsilon\zeta$ $+-\times\div=\pm\mp^{\circ\prime\prime\prime}$ Universal

LOGOS

STRIPES

FONTS

Graphic content criteria

DESIGN STANDARD

9 DESIGN STANDARD

- 1) Locate signs to maximize visibility.
- 2)Locational Considerations:
 - Site lines
 - Lighting sources
 - Rate of speed
 - Reaction time
- 3) Signs Should:
 - Label
 - Connect destinations
 - Direct
 - Inform

ENVIRONMENTAL GRAPHIC POLICY

10

ENVIRONMENTAL GRAPHIC POLICY

Signs are a means of communicating information to persons using a structure or space. The prime task of a well-planned university signage program is to guide employees, visitors and students efficiently and with a minimum of verbal cues.

The design concept behind the sign system provides for consistent and unified use of typography, color, shape and materials. It also makes the sign system an element of the university's overall standards program.

The signage manual provides standard criteria for implementation of consistent signage throughout the university. Its use ensures that the integrity of the sign system design concepts are maintained after initial implementation of the program. Sign procurement requires almost constant monitoring to provide the most current and helpful information to the public.

When a signage need is identified, a request is initiated by contacting the chairperson of the signage committee or other designated appointee. A signage request form (included in this manual) must be completed and include the following information:

- -Message
- -Quantity
- -Purpose
- -Location

The committee will determine if the request is warranted and which sign type is to be used.

Authorized sign requests will be implemented in a systematic manner in accordance with available funds, current or planned construction or renovation projects, and priorities based on the element's importance to the overall signage system.

EXTERIOR SIGNAGE CONSTRUCTION DOCUMENTS

COLORS / MATERIALS LOGOS

ABCDEFGHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz 1234567890

SYMBOLS

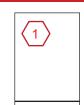
FORMATA REGULAR TITLE CASE

SYM #1









PMS WHITE



JUST BLUE



WARM GRAY

YS317ID

PANTONE 1C



PANTONE 4C

9







INDIANA LIMESTONE

PMS 280

PMS 877

PMS BLACK

PMS 138

ARROW









THE UNIVERSITY OF

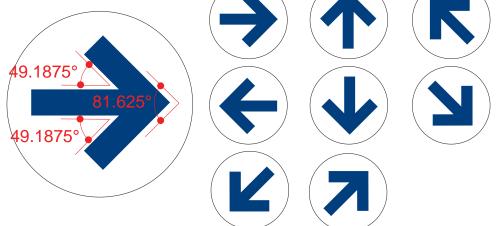
http://bf.memphis.edu/cpd/services.php#standards **UNIVERSITY LOGO**



UNIVERSITY SEAL







GENERAL NOTES

- WRITTEN DIMENSIONS ON DRAWINGS TAKE PRECEDENCE OVER SCALED DIMENSIONS. SIGN CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS SHOWN ON DRAWINGS.
- ALL SIGNS ARE TO COMPLY WITH THE 2010 VERSION OF THE AMERICANS WITH DISABILITIES ADA STANDARDS FOR ACCESSIBLE DESIGN, AS PUBLISHED ON SEPTEMBER 15, 2010.
- THE SIGN CONTRACTOR SHALL SUBMIT LAYOUT FOR ALL ALTERNATE MESSAGES -THOSE INDICATED IN MESSAGE SCHEDULE AND NOT APPEARING IN THIS DOCUMENT SET - TO BE REVIEWED DURING THE SHOP DRAWING SUBMITTAL.
- SIGN CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO ISSUING SHOP DRAWINGS AND BRING ANY DISCREPANCY BETWEEN THE DRAWING AND THE ACTUAL CONDITION TO THE UNIVERSITY OF MEMPHIS' ATTENTION PRIOR TO FABRICATION.
- THE SIGN CONTRACTOR SHALL PROVIDE ENGINEERED DESIGN FOR ALL SIGNS REQUIRING FOOTINGS AND STRUCTURAL CONNECTIONS. THESE ENGINEERED DESIGNS SHALL BE SUBMITTED WITH THE SHOP DRAWINGS AND STAMPED BY A STRUCTURAL ENGINEER REGISTERED LOCALLY.
- ALL COLORS AND FINISHES SHALL BE APPROVED BY THE UNIVERSITY OF MEMPHIS PRIOR TO THE PRODUCTION OF SIGN UNITS.
- A. CONTRACTOR SHALL APPLY FOR AND OBTAIN SIGN PERMITS FOR ALL SIGNS PRIOR TO FABRICATION AND INSTALLATION OF SIGN UNITS, AND THESE COSTS SHALL BE A PART OF THE OVERALL BID.

- B. CONTRACTOR SHALL APPLY FOR AND OBTAIN ELECTRICAL PERMITS AS REQUIRED PRIOR TO FABRICATION AND INSTALLATION OF SIGN UNITS AND THESE COST SHALL BE A PART OF THE OVERALL BID
- PAINT / COLORS / MATERIALS SHOWN IN DRAWINGS SHALL BE CONTINUOUS AROUND EDGES AND ALL 08. CONTINUOUS FACES.
- WHEN DISTURBANCE OF FINISHED SURFACES LANDSCAPE IS REQUIRED FOR THE INSTALLATION OF SIGNS, 09. CONTRACTOR SHALL REPAIR AND RESTORE THE DISRUPTED SURFACE TO ITS ORIGINAL CONDITION.
- TYPEFACES SHALL NOT BE SUPPLIED TO CONTRACTOR. CONTRACTOR SHALL OBTAIN THE LICENSED 10. EDITION FOR THEIR OWN USE.
- PAINT 2 M-6392ID JUST BLUE NASON FUL CRYL II ACRYLIC ENAMEL, TO BE CLEAR COATED WITH A
- 12. PAINTS (3) WARM GRAY YS317ID PANTONE 1C AND (4) WARM GRAY YS317ID PANTONE 4C TO HAVE A TEXTURE FINISH TO MATCH INDIANA LIMESTONE: LIMESTONE TEXTURE FINISH - USING FLEXIBLE AGGREGATE BUILDING FINISH

PREPARE ALUMINUM SURFACES AS WITH TRADITIONAL PAINTING. USING A HOPPER GUN, SPRAY A LATEX BASED AGGREGATE ON THE ALUMINUM SURFACES TO THE DESIRED THICKNESS AND TEXTURE FINISH. ALLOW THE AGGREGATE TO DRY AT LEAST TWO DAYS. APPLY A MAP ACRYLIC POLYURETHANE PAINT FINISH OVER ENTIRE SURFACE.

FABRICATOR IS REQUIRED TO CONSTRUCT A PROTO-TYPE SMALL BUILDING IDENTIFICATION SIGN (SIGN TYPE 8.1) FOR SUBMITTAL, REVIEW, AND APPROVAL BY THE UNIVERSITY. IF ACCEPTED CAN BE USED AS PART OF THIS PHASE OF WORK.

DRAWN BY CHECKED BY

FAS 06-09-11 BJM 06-10-11

ISSUED FOR / DATE A 04-18-12

REVISION REVISION 01-31-13

DRAWING TITLE

GENERAL NOTES

OWNER

UNIVERSITY OF MEMPHIS MEMPHIS, TN 38152

APPROVAL / DATE

PROJECT NUMBER

1009.07

SIGN TYPE GN

GN-1

SHEET NO.

301 EAST MAIN STREET - CARNEGIE, PA 15106

VOICE 412.429.4071

FAX 412.429.4074

WWW.THEKMAGROUP.COM

COPYRIGHT © KMA DESIGN

	MATERIALS						SHEET INDEX	DRAWN BY	CHECKED BY
01125" ALUMINUM SIGN CABINET	27. WHITE TRIM CAP			PCO® FLEXING BANNER BRACKET	SHEET	SIGN TYPE	DRAWING TITLE	FAS 06-09-11	BJM 06-10-11
02. 5" X 5" ALUMINUM SIGN POST	28. WHITE CHANNEL LETTER WIT	TH WHITE	PA	ART #1782-1	GN-1 GN-2	GN GN	General Notes General Notes	ISSUED F	OR / DATE
	POLYCARBONATE FACE SEE F			ANNER POST DIMENSION TBD BY	GN-3 GN-4	GN GN	General Notes General Notes	CONSTRUCTION DOC	UMENTS 06-15-11
03. 1.25" X .5" ALUMINUM TUBE	15A FOR DETAILS		ST	RUCTURAL ENGINEER	GN-5	GN	General Notes		
04062" INCISED POST DETAIL	29. 1/2" ACCENT LINE PAINTED WI	HITE		ALUMINUM ETCHED PLATE WITH	GN-6 GN-7	GN GN	General Notes General Notes		N NUMBER
05062" BRAKE FORMED ALUMINUM	30. 1" WHITE PVC			CREENED IMAGE IMAGE AND TEXT OTHERS	GN-8 01	GN 1	General Notes Gateway Main Entrance	REVISION 1	04-18-12
FINIAL					01.1	1	Gateway Main Entrance	REVISION 🖄	01-31-13
06062" BRAKE FORMED ALUMINUM POST	31. 3" STEEL SUPPORT TUBE THR ALL INDIVIDUAL CANS PAINTE			TAPCO ALUMINUM TRIMCAP FOR TANDARD DOT SIGNS	01.2 01.3	1 1	Gateway Main Entrance Gateway Main Entrance		
ACCENT	PMS BLACK				01.4 02	1	Gateway Main Entrance Gateway Secondary Entrance		
07. 2" X .125" ROUND ALUMINUM TUBE	32. 6" X 6" X 1/2" STEEL MOUNTING		5712	25" ALUMINUM STANDARD DOT SIGNS	03	3	LED Informational Sign Large	DRAWI	NG TITLE
	PLATE PAINTED BLACK		58. 4"	X 4" ALUMINUM SIGN POST	03.1 03.2	3.1 3.2	LED Informational Sign Small LED Informational Sign Wall Mount	GENERAL NOTES	
085" ALUMINUM MOUNTING BRACKET	33. SCREENED WHITE LOGO 34%	,	50 11	25" PAINTED ALUMINUM SIGN PANEL	04	4	Vehicular Directional Large		
09. 1" X 1" ALUMINUM WELDED FRAME			JJ12	20 I AINTED ALOIVIINOIVI SIGN FAINEL	04A 04B	4	Vehicular Directional Section Directional Large Post and Finial Detail	NO	OTES
	34125" FIBERGLASS PANEL WITH SCREENED HISTORIC IMAGE	Ή	60. SC	CREENED LOGO	04C 04D	4	Vehicular Directional Large Message Layout Options Directional Base Accent Detail		
10. BREAKAWAY BASE MOUNTING TBD BY FABRICATOR	IMAGE PROVIDED BY UOM		61. AN	NGLE MOUNTING BRACKET	04.1	4.1	Vehicular Directional Small		
					04.1A 04.2	4.1 4.2	Vehicular Directional Small Message Layout Options Vehicular Directional Large Athletic		
11. CONCRETE FOOTER TBD BY FABRICATOR	35. 1" X 1" REMOVABLE RETAINER HOUSE FIBERGLASS PANEL	K 10	-	5" REMOVABLE SIGN PANEL STUD- OUNT TO BACKER PANEL	04.3 05	4.3	Vehicular Directional Small Athletic Pathfinders Neighborhood		
12. 2" MOUNTING POLE DEPTH TBD BY		_			05.1	5.1	Pathfinders Neighborhood With Alternate		
FABRICATOR	36. 8" X 8" ALUMINUM SIGN POST		6308	BO" BREAKFORMED SIGN CABINET	06	6	District Message Pathfinders Off Premises		
13. ORACAL WHITE REFLECTIVE VINYL	37. 1.75" X .75" ALUMINUM TUBE		-	RIGHT WHITE LED WITH TRANSFORMER	07	7	Pedestrian Directional		
14. 4" MOUNTING POLE DEPTH TBD BY	38. 4" X 4" ALUMINUM WELDED FR	RAME	EL	ECTRIC BY OTHERS	07A 08	<i>7</i> 8	Pedestrian Directional Message Layout Options Freestanding Building Identification Large		
FABRICATOR			6512	25" CLEAR POLYCARBONATE	08.1 08.1A	8.1 8.1	Freestanding Building Identification Small Freestanding Building Identification Small Section		
15. 2" X 2" ALUMINUM WELDED FRAME	39. HOLIDAY INN® LOGO TO BE PI		66 1"	TRIM CAP PAINTED TO MATCH	08.1B	8.1	Freestanding Building Identification Small Finial Detail		
15. 2 X 2 ALUMINUM WELDED FRAME	BT HOLIDAT INING			LUMINUM CABINET	08.1C 08.1D	8.1 8.1	Freestanding Building Identification Small Finial Detail Freestanding Building Identification Small Post		
16062" BRAKE FORMED ALUMINUM POST	40. AIRCRAFT CABLE WEIGHT TBI		07 40	MANA DAL/TRONICCO CALAVVRDO			and Finial Detail		
ACCENT	STRUCTURAL ENGINEER			MM DAKTRONICS® GALAXYPRO EVOLUTION FULL COLOR MESSAGE	08.1E 08.2	8.1 8.2	Freestanding Building Identification Base Accent Detail Freestanding Building Tenant Informational		
17. MOUNTING HARDWARE TBD BY FABRICATOR	R 415" EYELET FOR AIRCRAFT CA	ABLE		ENTER	08.3 08.4	8.3 8.4	Freestanding Building Identification Large Athletic Freestanding Building Identification Small Athletic		
18. EXISTING WALL SURFACE TBD BY	42. DIGITAL PRINT ATHLETIC LOG	6O (685"	CUT OUT ALUMINUM LETTERS	09	9	Wall Mount Building Identification Large		
FABRICATOR	ON WHITE VINYL				09.1 10	9.1 10	Wall Mount Building Identification Small Building Directory Wall Mount		
19125" INTERNALLY ILLUMINATED	4325" BRAKEFORMED ALUMINU			ANDARD BRICK UTILIZED THROUGHOUT E UNIVERSITY	11 12	11 12	Street Sign Street Sign Multi Blade		
ALUMINUM CHANNEL LETTER					13	13	Street Sign Overhead		
20. MOUNTING HARDWARE AS REQUIRED	44125" ETCHED AND FILLED ALL	UMINUM	70. IND	DIANA LIMESTONE	14 15	14 15	D.O.T Signs Wilder Tower Channel Letters		
PER WALL CONSTRUCTION	45125" FIBERGLASS PANEL WIT			" CUT OUT ALUMINUM LETTERS WITH	16	16 16	Parking Garage Identification		
21. GREAT-WHITE SLOAN LED -	SCREENED YOU ARE HERE M. ARTWORK BY OTHERS	IAP.	.5"	SPACERS	16.1 16.2	16	Parking Garage Identification Parking Garage Identification		
2 LED / MODULE QSL269WLMB			72. 1.5	" ETCHED ALUMINUM SEAL	16.3 16.4	18.1-30-31 16	Parking Garage Identification Parking Garage Identification		
22. LOW VOLT ELECTRICAL PASS THRU WALL	46125" ALUMINUM SIGN BASE TO COLOR AND TEXTURE OF IND		73 FT(CHED INDIANA LIMESTONE	17	17 18	Parking Garage Directional Parking Garage Informational		
	LIMESTONE				18 18.1	18.1	Parking Garage Informational	OV	V N E R
23. SLOAN LED - 2 LED / MODULE TRANSFORMER	47. 6.5" X 6.5" X .5" STEEL MOUNT			DIANA LIMESTONE CONCRETE STAIN TO TCH WARM GRA YS317ID PANTONE 4C	19 20	19 20	Parking Lot Identification Event Banner Large	UNIVERSITY OF MEMI	PHIS
					21	21	Event Banner Small	MEMPHIS, TN 38152	
24. REMOTE ALUMINUM BOX (7" x 7" x 18")	48. 2" STEEL TUBE	7	7525	" ALUMINUM SLEEVE	22 23	22 23	Banner Pole Mount Trail Identification	A B B B C V	AL / DATE
HOUSING A TRANSFORMER WITH AN EXTERIOR TOGGLE SWITCH	49. 5" X 4.5" .375" STEEL MOUNTIN	NG 7	76. 6" F	PVC TUBE	24	24 25	Historic Marker Ground Historic Marker Pole	- APPROV	AL / DATE
	BRACKET				25 26	26	Campus Directory Freestanding		
25. ELECTRICAL PROVIDED BY THE UNIVERSITY OF MEMPHIS	50. 3" OD STEEL WASHER	1	//. 6″ H	PVC END CAP	27 28	27 28	Campus Directory Wall Mounted Botanical Identification	PROJECT	T NUMBER
			78. TR	ANSLUCENT VINYL TO MATCH ②	29	29	Small Freestanding Directory		
2625" WHITE POLYCARBONATE FACE WITH PAINTED GRAPHICS	51. 16OZ BANNER WITH DIGITAL F PRINT BY OTHERS	PRINT			30 31	30 31	Parking Garage Disk Parking Garage Clearance	100	9.07
WITH AIRLD GIVELLION							5 5	SIGN TYPE	SHEET NO.
	52. STRAPESE MOUNTING HARDW	VARE							1
								GN	GN-2

PART 1 – GENERAL

1.1 SUMMARY

A. Section includes:

- 1. Exterior Signage
- 2. Graphic Enhancements

1.2 PERFORMACE REQUIREMENTS

- A. Provide workmanship and materials, free of defects. Defective is defined to include delamination, abnormal deterioration, fading and discoloration. Weathering, failure of securing to substrates indicated, cracking, corrosion or coating damage, or visible scratches on surfaces.
- B. Signage shall not bear manufacturer's code or other identifying marks on any area or part, which may be visible in the normal positioning, attitude, or use of the sign item.
- C. The drawings are diagrammatic and indicate the aesthetic or "design intent" only. Details shown are intended as a guide for the interfacing of adjacent surfaces.
- D. Ensure that the design of support substrates and structures are adequate and compatible for the performance of all work required.

1.3 SUBMITTALS

- A. Prior to commencement of work, provide shop drawings of all fabricated items.
 - 1. Show dimensions, details of construction, materials, technical data, and installation instructions for each type of sign required.
 - 2. Show anchorages and accessory items.
 - 3. Furnish location template drawings for items supported or anchored to permanent construction.
- B. Submit samples and color match samples for each sign type.
- C. Samples: fabricated with colors and finishes as indicated by Designer.
 - 1. Submit proofs of artwork, map art, and symbols.
 - 2. Submit full scale prototype samples if required by the Owner, and color match samples. Prototypes may be used as actual sign units, if approved by designer/owner.
 - 3. For all sign types, submit complete alphabet numerals, punctuation, materials, and graphics for review prior to start of fabrication. If more than one supplier's cut will be used, submit each cut for review.
- D. Submit signage schedule with copy and spelling for the University of Memphis review.
- E. Submit Shop Drawing via email to Designer.
- F. Submit templates or samples showing letter or word spacing for each letter, for review and approval.
- G. Submit signed and sealed Structural Engineering drawings for all exterior sign types.

1.4 OUALITY ASSURANCE

- A. Coordinate sign locations with the University of Memphis prior to digging.
- B. Comply with municipal and state code requirements.
- C. Comply with The Americans with Disabilities Act, 2010 Edition.
- D. Field verify all sign locations and notify the University of Memphis of any discrepancies before fabrication of sign units.

1.5 WARRANTY

- A. Provide a written warranty for five years from date of substantial completion on the sign structures and paint finishes.
- B. The Contractor shall submit or obtain from his subcontractor and submit on letterhead obtained from the company supplying the Warranty/Guarantee, the following form for the overall project and the work under each section of the specifications. The contractor shall submit all of the Warranty/Guarantees to the University of Memphis, as a prerequisite to the final payment. The period of time shall be one (5) years from the date of the substantial completion, unless otherwise noted under the various sections.

WARRANTY / GUARANTEE

We hereby warrant and guarantee the _____ project for five (5) year(s) from the date of substantial completion.

We warrant and guarantee that the materials and equipment furnished under this contract are of good quality and new unless otherwise required or permitted by the contract documents; that the work will be free from defects not inherent in the quality required or permitted; and that the work conforms with the requirements of the contract documents.

We agree to repair or replace, to the satisfaction of the University of Memphis, any or all work not conforming to the contract documents, including substitutions not properly approved and authorized, workmanship or materials that prove defective within the warranty/guarantee period. This warranty/guarantee excludes remedy for damage or defect caused by abuse, modifications not executed by the Contractor, improper or insufficient maintenance, improper operation, or normal wear and tear under normal usage. Any work, which may be damaged or displaced by the abuse, modifications not executed by the Contractor, improper or insufficient maintenance or improper operation shall also be executed.

Any repairs or replacements shall bear an additional twelve (12) month guarantee, in addition to any remaining warranty period, as herein stated, dated from the final acceptance of repairs or replacement.

In the event of our failure to comply with the above-mentioned conditions within a reasonable time after being notified in writing, we collectively and separately do hereby authorize the University of Memphis to proceed to have defects repaired and made good at our expense, and will pay the costs and charges; therefore, immediately upon demand.

Date	 		

1.6 MAINTENANCE CONTRACT

(Signature of Contractor or Subcontractor)

Provide the University of Memphis with a written maintenance contract which, if accepted by the University of Memphis, shall become effective on the expiration date of written warranty.

FAS 06-09-11 ISSUED FOR / DATE CONSTRUCTION DOCUMENTS 06-15-11 REVISION NUMBER REVISION 101-31-13 DRAWING TITLE

CHECKED BY

GENERAL NOTES

NOTES

OWNER

UNIVERSITY OF MEMPHIS MEMPHIS, TN 38152

APPROVAL / DATE

PROJECT NUMBER

1009.07

GN TYPE

GN-3

(Signature of Contractor) only where subcontractor is major signee

PART 2 – PRODUCTS

2.1 GENERAL

- A. Signs and sign elements: conform to the layout and proportions as indicated.
 - . Materials: new stock free from defects impairing strength, durability and appearance.
 - 2. Fabrication: In accordance with the highest standards of the trade. All signs and components shall be complete and free from visual and structural / mechanical flaws.
 - 3. Use no fabrication materials or procedures that will in any way change the visual quality or have an adverse effect on materials and surfaces.
 - 4. Letter Forms: aligned to maintain a base line parallel to the sign format. Margins shall be maintained as indicated by sign type drawings.
 - 5. Edges of Letter Forms: sharp and clean with no edge build-up of bleeding. All surfaces of Letter Forms: without pinholes or defects.
 - 6. Units adequately vented to dissipate heat and properly vented and drained to prevent water containment. All unit openings: backed with a non-ferrous fine screen mesh and shall not directly inlet water condensation or contaminants.
 - 7. Units constructed of vandal-resistant construction materials, methods, and alumi num, steel, and non-aluminum metallic surfaces. Components: non-ferrous and/or rust proofed. All joints and seams sealed and weatherproofed.
 - 8. Pop rivets will not be acceptable as a method of mechanical fastening.

B. Symbols, Typography, and Color:

- 1. Copy on drawings is for layout purposes only.
- 2. Stated dimensions shall take precedence over scale dimensions. If the drawings are not scaled, notation "not to scale" occurs on the drawing.
- 3. The graphic configuration of signs is ultimately governed by original art for each sign as approved by the University of Memphis.
- 4. Original art shall conform to the dimensions and general configuration shown on sign type drawings/diagrams. In the event of conflict between original art and drawings, notify the University of Memphis immediately for resolution of the discrepancy.
- 5. Colors to match color selected by the University of Memphis from the full range of colors in the Pantone Matching System; PANTONE, INC., 55 Knickerbocker Road, Moonachie NJ 07074.
- 6. The signage schedule is a consolidate reference which gives the location code, sign copy, mounting surface and/or mounting device, and information which is not conducive to exclusive categorization. Verify exact copy on signs with the University of Memphis.
- 7. Letter forms: using upper case with initial caps in sizes shown and /or scheduled.
- 8. Letter height: identified as "cap" letter height.
- 9. Letter spacing: optical, but in accordance with example shown.
- 10. Directional arrow: as indicated.
- 11. Prior to fabrication of signage, verify copy and spelling with the University of Memphis' representative.

2.2 MATERIALS / FABRICATION

- A. Provide materials: new stock, free from defects impairing strength, durability, and appearance.

 1. Aluminum:
 - Aluminum plate, angles, channels, extrusions, and other structural items fabricated from alloy 6061-T6, 6063-T5, or other alloy as required for appli cable function and use as recommended by the ALUMINUM COMPANY OF AMERICA, KAISER ALUMINUM, REYNOLDS ALUMINUM or equivalent manufacturer
 - b. Aluminum used for all exposed surfaces: a minimum thickness of 0.125" with a painted finish as selected by the University of Memphis.
 - c. Aluminum used for concealing framing of signage: a minimum thickness of 0.125" with a mill finish.

- d. Provide aluminum of the best commercial quality with the various forms straight and true. Replace materials, which have scratches, scars, creases or buckles.
- e. Welded joints: heli-arc welded in conformance with the American Welding Society and the Aluminum Association's specifications.
- Fasteners: non-corrosive type fasteners, nonconductive or insulated when joining non-compatible materials. Vandal-resistant fasteners are required on signs. Proposed vandal-resistant fasteners shall be submitted to the University of Memphis for review and approval.
- 3. Reproduction Process:

2.

a. Paints:

1)

- Paints for imprinted surfaces: provide a type compatible with the surface on which it is applied and as recommended by manufac turer.
- Do not use paint that will fade, discolor, or delaminate as a result of proximity to ultraviolet light source or heat.
- 3) Include the cost of priming other surfaces (pre-treatments) in the work as part of the finished surface work.
- 4) Paints: evenly applied and without pinholes, scratches, orange peeling, application marks and dust particles. Workmanship in connection with finishes and formation of the letters shall conform to the highest standards of the trade.
- 5) Nason ful cryl ii acrylic enamel paints:
 - Blue (2) M-6392ID Just Blue
 Dark Gray (4) Warm Gray YS317ID Pantone 4
 Light Gray (3) Warm Gray YS317ID Pantone 1
 Medium Reducer 441-21/441-22 above 85 degrees
 Nason Primer S.E.88 1 Part Catalyst 483-11
 - b) Nason Finishes
 Barlry Mill Plaza 21-1127
 P.O. BOX 80021
 Wilmington, DE 19880-0021
 nason.dupont.com
- 4. Vinyl Die Cut Letters:
 - a. Legends, arrows and logotypes on non-illuminated signs, unless otherwise noted, shall be precision die cut from "Oracal" brand vinyl shall be free of trapped air bubbles, wrinkles and tears. All copy shall be applied straight and true with proper inter-letter and inter-word spacing.
- 5. Fasteners, anchors, and hardware: of prime commercial quality.
 - a. Hardware: non-conductive and/or insulated when joining non-compatible material.

 Paint for shop coating and field touch-up of dissimilar metal connecting members, including anchors and clips, shall be alkali-resistant, bituminous paint.
 - b. Vandal-resistant fasteners shall be used whenever possible.
 - c. All adhesives and adhesive tapes required for plastic, glass, and metal shall be a type recommended for the particular usage by the manufacturer and guaranteed to meet the general and structural support criteria indicated.
- 6. All electrified signs shall have photocells.
- 7. Banner material:
 - a) 13 oz. material
 - b) Sewn pockets

REVIS

REVISION 1

REVISION 2

FAS 06-09-11

REVISION NUMBER

04-18-12

CHECKED BY

BJM 06-10-11

01-31-13

DRAWING TITLE

ISSUED FOR / DATE

CONSTRUCTION DOCUMENTS 06-15-11

GENERAL NOTES

NOTES

OWNER

UNIVERSITY OF MEMPHIS MEMPHIS, TN 38152

APPROVAL / DATE

PROJECT NUMBER

1009.07
SIGN TYPE SHEET NO.

GN

GN-4

3.1 EXAMINATION

- A. Examine existing conditions of the Project, including elements subject to damage or to movement during cutting and patching.
- B. After uncovering work, examine the conditions affecting the installation of products, or performance of the work.
- C. Report unsatisfactory or questionable conditions to the University of Memphis in writing; do not proceed with the work until the University of Memphis has provided further instructions.

3.2 PREPARATION

- A. Provide adequate temporary support to assure the structural value and integrity of the affected portion of the work.
- B. Provide devices and methods to protect other portions of the Project from damage.
- C. Provide protection from the elements for that portion of the Project, which may be exposed by cutting and patching work.

3.3 INSTALLATION

- A. Install in accordance with manufacturer's recommendations; attach units rigidly; mount plumb and level.
- B. Take care during installation to assure that signs are not damaged or scratched. Repair or replace signs showing damage, as directed by the University of Memphis.
- C. Installation: Comply with applicable codes and ordinances.
- D. Coating and shop coating and field touch-up of dissimilar metal connecting members, including anchors and clips: alkali-resistant, bituminous paint.
- E. Provide signs and components complete and free from visual and structural or mechanical flaws.
- F. Do not use fabrication or installation materials or procedures that will in any way change the visual quality or have an adverse effect on the existing materials and surfaces on the structure.

3.4 LETTER SPACING

- A. Letter spacing: optical and in accordance with example shown.
- B. Letter forms:
 - 1. All letter forms shall be so aligned as to maintain a base line parallel to the sign format. Margins shall be maintained as indicated by sign type diagrams.
 - 2. All edges of letter forms shall be sharp and clean with no edge build-up or bleeding.

3.5 PERFORMANCE

- A. Execute work so as to interfere as little as possible with functioning and normal operations of the site.
- B. Execute cutting and demolition by methods, which will prevent damage to other work, and will provide proper surfaces to receive installation of repairs. Fabricator shall repair all damaged areas to match the surrounding finishes.
- C. Execute fitting and adjustment of products to provide a finished installation to comply with specified products, functions, tolerances, and finishes.
- D. Restore work which has been cut or removed; install new products to provide completed work in accordance with requirements of Contract Documents.
- E. Refinish entire surfaces to provide an even finish to match adjacent finishes.

END OF SECTION 10 400

FAS 06-09-11 BJM 06-10-11 ISSUED FOR / DATE CONSTRUCTION DOCUMENTS 06-15-11 REVISION NUMBER REVISION 1 04-18-12 REVISION 2 01-31-13 DRAWING TITLE GENERAL NOTES NOTES OWNER UNIVERSITY OF MEMPHIS MEMPHIS, TN 38152 APPROVAL / DATE PROJECT NUMBER 1009.07 SIGN TYPE SHEET NO. GN GN-5 COPYRIGHT © KMA DESIGN

VOICE 412.429.4071

WWW.THEKMAGROUP.COM

PART 1 - GENERAL

1.1 WORK OF THIS SECTION

A. Specialty signs.

1.2 QUALITY ASSURANCE

A. Uniformity of Manufacturer: for each sign form and graphic image process indicated, furnish products of a single manufacturer.

1.3 SUBMITTALS

- A. Prior to commencement of work, provide shop drawings of all fabricated items.
 - Show dimensions, details of construction, materials, technical data, structural engineering details and installation instructions for each type of sign required.
 - 2. Show anchorages and accessory items and provide samples.
 - 3. Furnish location template drawings for items supported or anchored to permanent construction.
- B. Submit samples and color match samples for each sign type.
- C. Samples: fabricated with colors and finishes as indicated by Designer.
 - 1. Submit prototype samples and color match samples.
 - 2. For all sign types, submit complete alphabet numerals, punctuation, materials, and graphics for review prior to start of fabrication. If more than one supplier's cut will be used, submit each cut for review.
- D. Submit signage schedule with copy and spelling for the University of Memphis' review.
- E. Submit three sets of Shop Drawing prints.
- F. Submit templates or samples showing letter or word spacing for each letter, for review and approval.
- G. Submit three sets of Signed & Sealed Structural Engineering drawings for all free-standing exterior signs included in the project.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Materials, General:
 - 1. Aluminum Sheet: alloy and temper recommended by aluminum producer or finisher for type of use and finish indicated, and not less than the strength and durability properties specified in ASTM B-209 for 5U05-H15.
 - 2. Aluminum Extrusions: alloy and temper recommended by aluminum producer or finisher for type of use and finish indicated, and not less than the strength and durability properties specified in ASTM B-221 for 6063-T5.
 - 3. Aluminum Castings: Alloy and temper recommended by aluminum producer or finisher for casting process used and for use and finish indicated.
 - 4. Stainless Steel Plate, Sheet and Strip: ASTM A-167, AISI Type 302.
 - 5. Vinyl Film: Opaque reflective vinyl film, 0.0035" minimum thickness, with pressure sensitive adhesive backing, suitable for exterior applications.
 - 6. Fasteners: use concealed fasteners, unless otherwise indicated, which are fabricated from metals, which are non-corrosive to either sign materials or mounting surface.
 - Anchors and Inserts: use non-ferrous metal or hot-dipped galvanized anchors and
 inserts for exterior installations and elsewhere as required for corrosion resistance.
 Use toothed steel or lead expansion bolt devices for drilled-in-place anchors. Furnish
 inserts, as required, to be set into concrete or masonry work.

2.2 FABRICATION OF PANEL SIGNS

A. General:

- 1. Fabricate panel signs to comply with requirements indicated for materials, thick nesses, finishes, colors, designs, shapes, sizes and details of construction.
- 2. Produce smooth, even, level sign panel surfaces, constructed to remain flat under installed conditions within a tolerance of plus or minus 1/16" measured diagonally from corner to corner.
- Unframed Panel Signs: Fabricate unframed panel signs with edges mechanically and smoothly finished to conform with the following requirements:
 - a. Edge Condition: square cut
 - b. Corner Condition: square
- 4. Framed Panel Signs: fabricate frames to profile indicated; comply with requirements below for materials and corner conditions.
 - a. Material: aluminum, extruded
 - b. Corner Condition: square or angled as indicated in drawings
- Lubricate brackets and fittings for bracket-mounted signs from extruded aluminum to suit sign panel construction and mounting conditions indicated. Factory paint brackets in color matching background color of sign panel, unless otherwise indicated.
- 6. Graphic Content and Style: provide sign copy to comply with requirements indicated for sizes, styles, spacings, content, positions, materials, finishes and colors or letters, numbers, symbols and other graphic devices.
- 7. Applied Copy: die-cut copy characters from vinyl film with pressure-sensitive adhe sive backing; apply copy to exposed face of sign panel.

2.4 FINISHES

A. General:

- Colors and Surface Textures: For exposed sign materials which require selection of
 materials with integral or applied colors, surface textures or other characteristics
 related to appearance, provide color matches indicated, or if not otherwise indicated,
 as selected by the University of Memphis from manufacturer's standards.
- 2. Metal Finishes: Comply with NAAMM "Metal Finishes Manual" for finish designations and application recommendations.
- 3. Aluminum Finishes:
 - a. Class II Clear Anodized Fine Satin Finish: AS-M31C21A31 (fine satin mechani cal finish; chemical etch, fine matte; 0.4 mil minimum thick anodic coating).

PART 3 - EXECUTION

3.1 INSTALLATION

A. General

- 1. Locate sign units and accessories where shown or scheduled, using mounting methods of type described and in compliance with manufacturer's instructions, unless otherwise indicated.
- B. Install sign units level, plumb and at height indicated, with sign surfaces free from distortion or other defects of appearance.
- Submit installation schedules to the University of Memphis. The University of Memphis will review with the University's representative and edit the schedule, as needed.

3.2 CLEANING AND PROTECTION

A. At completion of installation, clean soiled sign surfaces in accordance with manufacturer's instructions. Protect units from damage until acceptance by the University of Memphis.

END OF SECTION 10440

OWNER

UNIVERSITY OF MEMPHIS MEMPHIS, TN 38152

APPROVAL / DATE

PROJECT NUMBER

1009.07

SIGN TYPE

SHEET NO

GN

GN-6

CHECKED BY

BJM 06-10-11

04-18-12

01-31-13

ISSUED FOR / DATE

CONSTRUCTION DOCUMENTS 06-15-11

REVISION NUMBER

DRAWING TITLE

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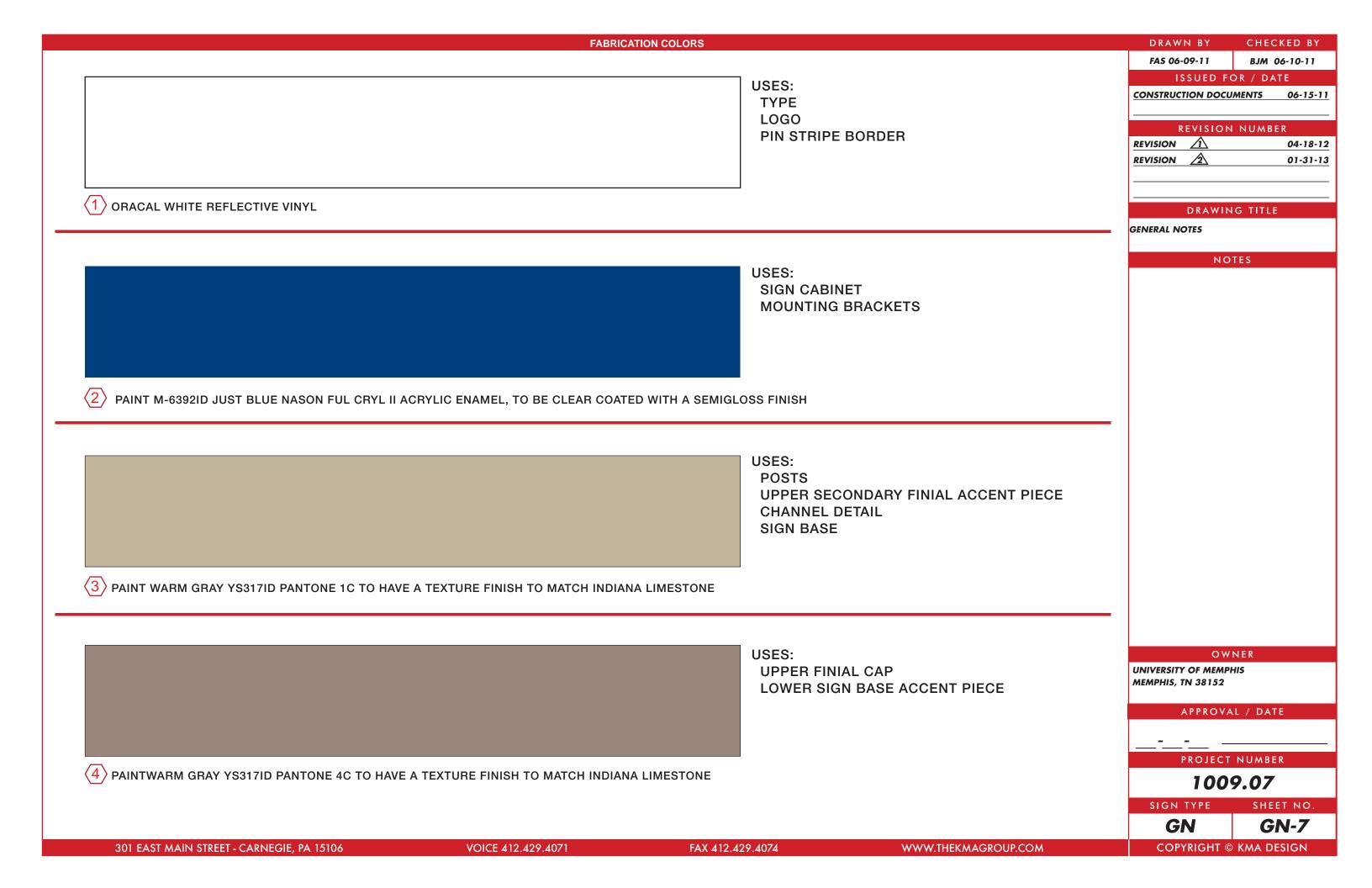
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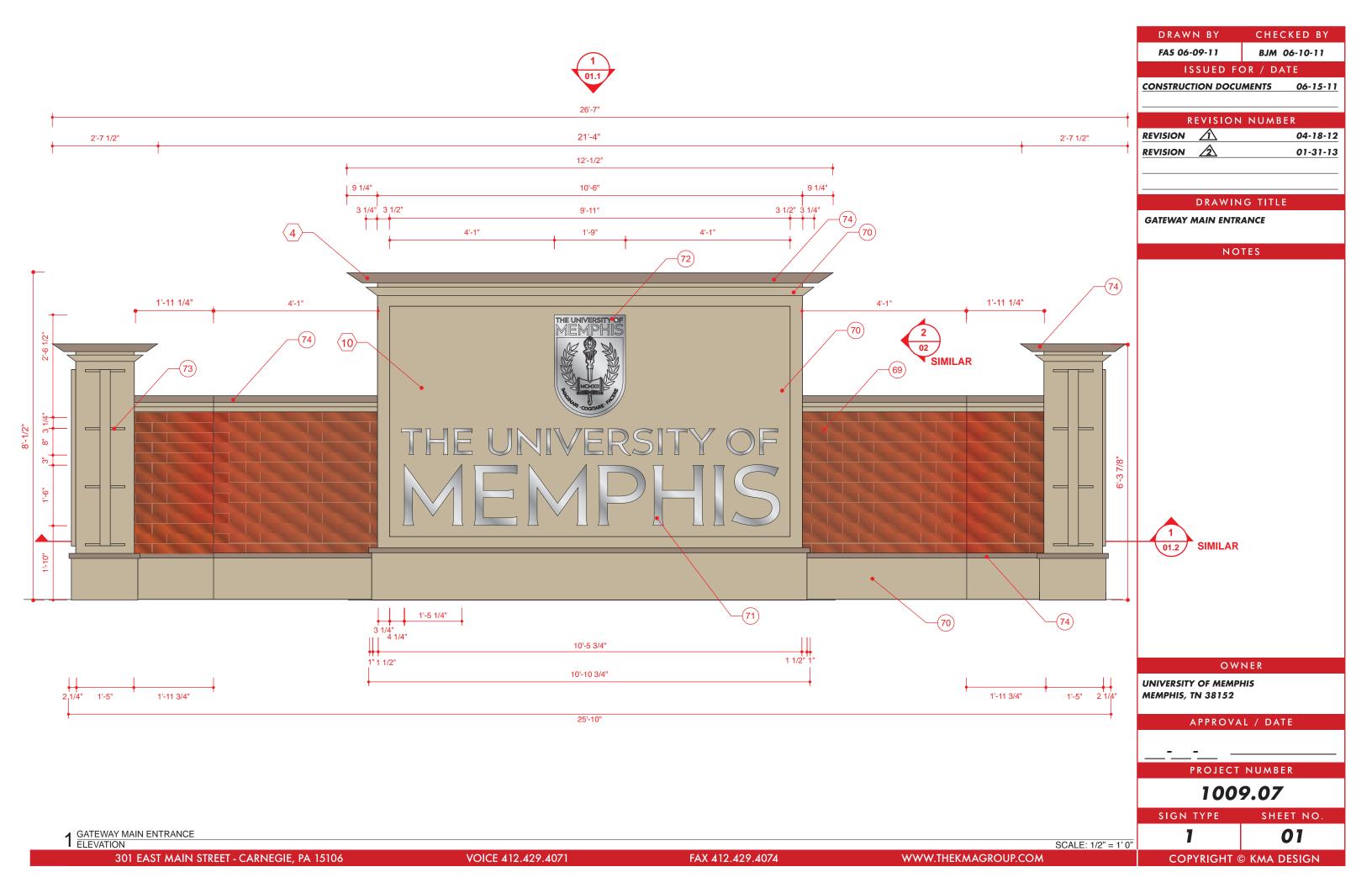
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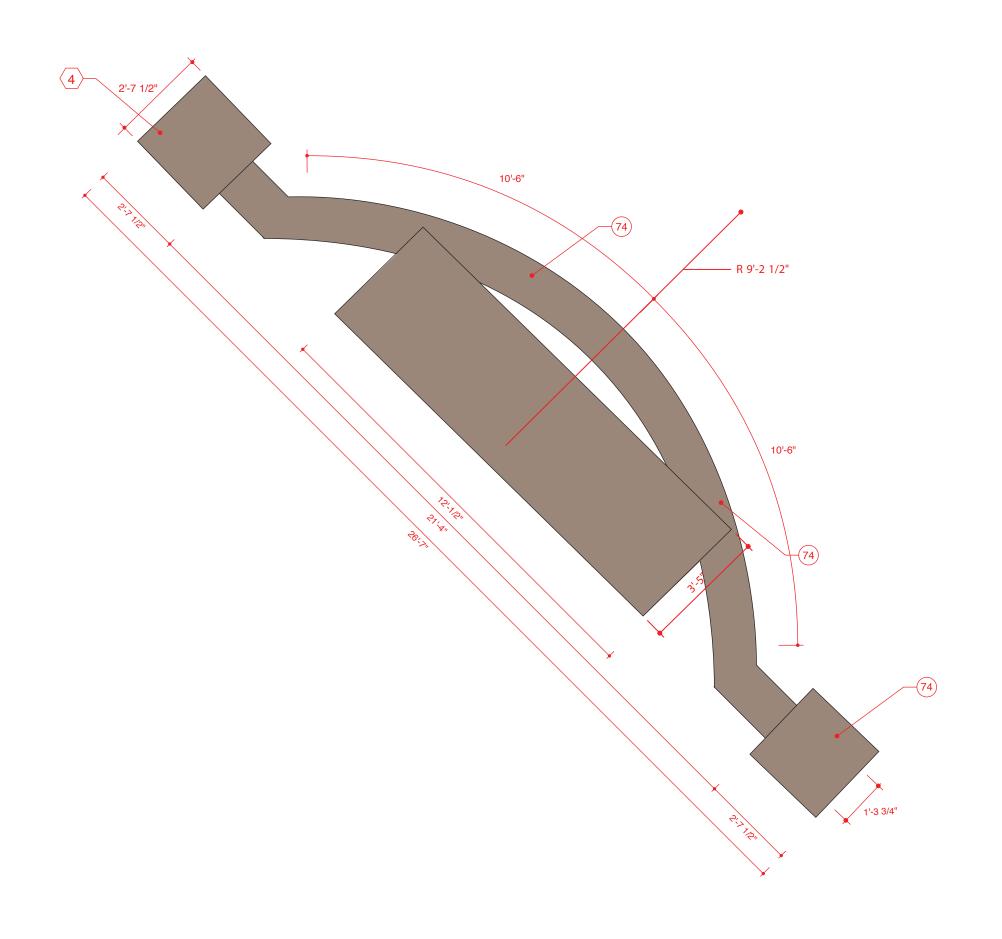
GENERAL NOTES

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08.1D 8.1 Freestanding Building Identification Small Post and Finial Detail - REVISED FINIAL, REVISED BASE AND CAP UPDATED DIMENSIONS
08.1E 8.1 Freestanding Building Identification Base Accent Detail - NEW SHEET BASE ACCENT DETAIL
08.2 Freestanding Building Tenant Informational - REVISED FINIAL, REVISED BASE AND CAP UPDATED DIMENSIONS UNIVERSITY OF MEMPHIS MEMPHIS, TN 38152
08.3 Freestanding Building Identification Large Athletic - REVISED FINIAL, REVISED BASE AND CAP UPDATED DIMENSIONS
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<u> </u>
PROJECT NUMBER
1009.07
SIGN TYPE SHEET
GN GN
301 EAST MAIN STREET - CARNEGIE, PA 15106 VOICE 412.429.4071 FAX 412.429.4074 WWW.THEKMAGROUP.COM COPYRIGHT © KMA DE





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04-18-12

01-31-13

1 GATEWAY MAIN ENTRANCE PLAN VIEW

301 EAST MAIN STREET - CARNEGIE, PA 15106

FAX 412.429.4074

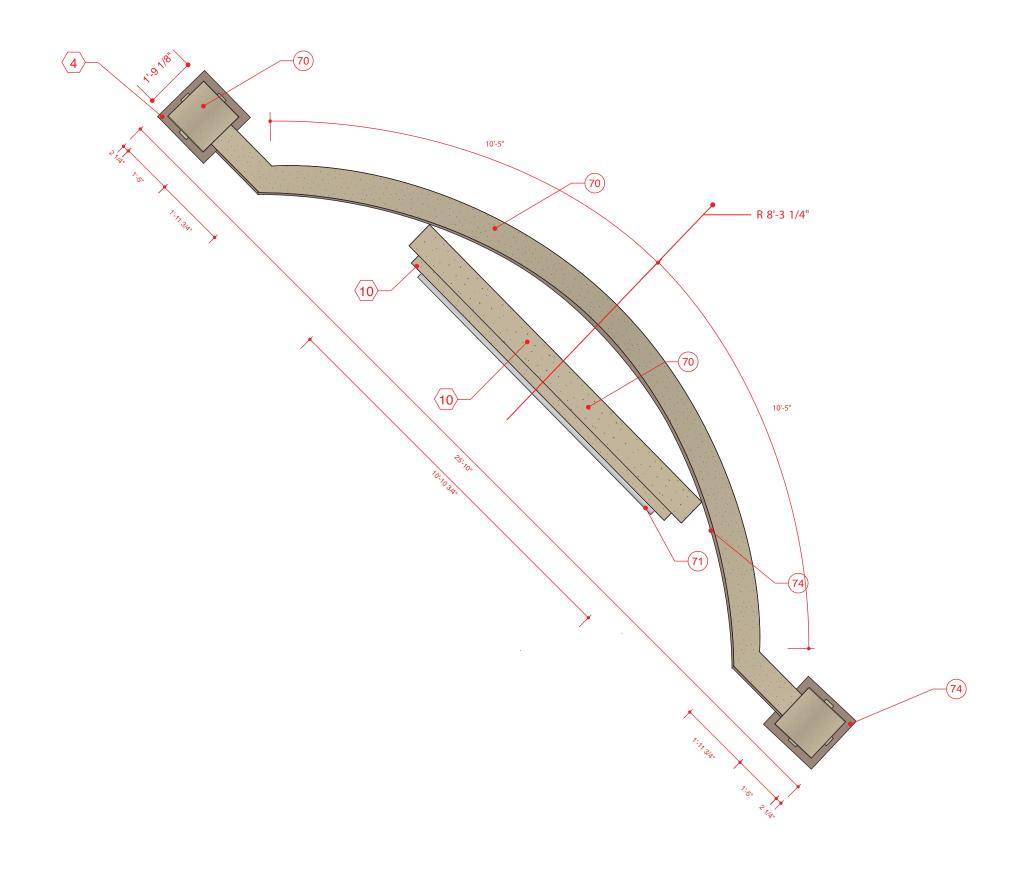
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04-18-12

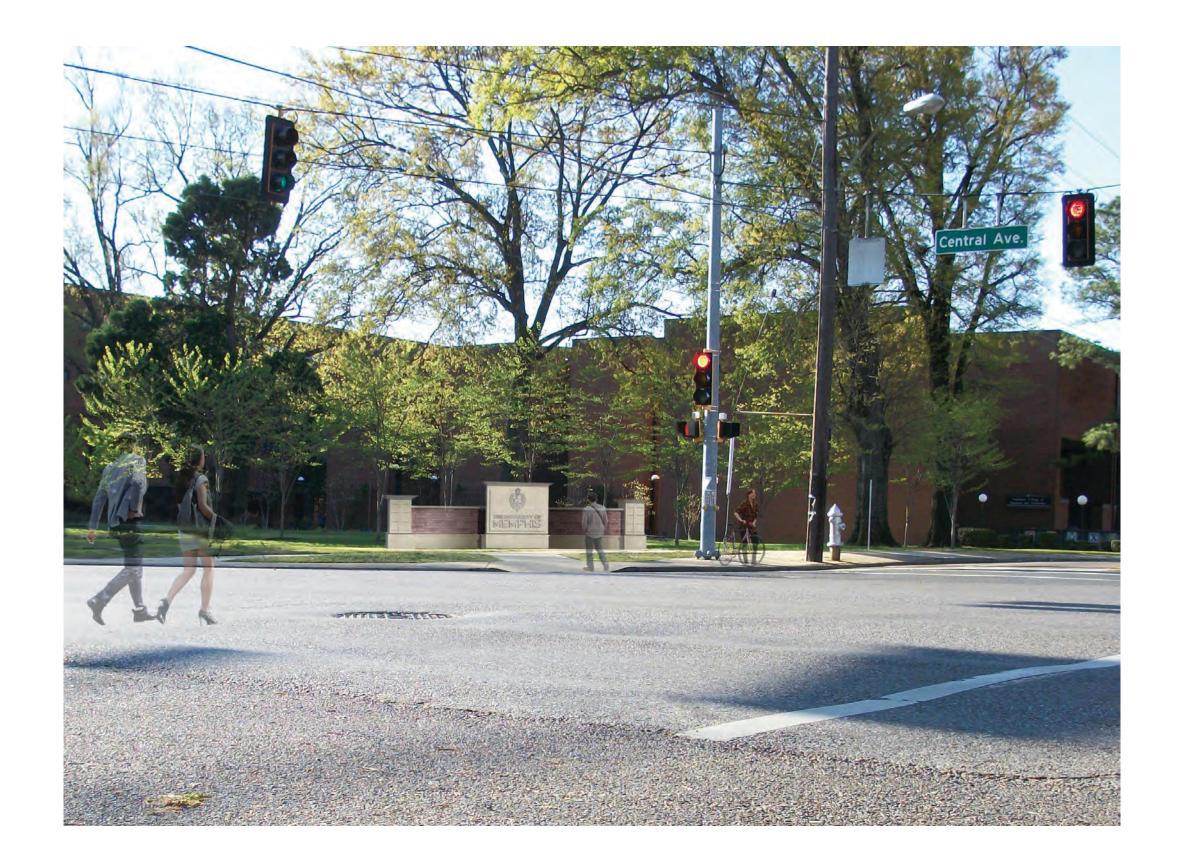
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MEMPHIS, TN 38152

SIGN TYPE

SHEET NO.

SCALE: 3/8" = 1'0"



FAX 412.429.4074

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ISSUED FOR / DATE

CONSTRUCTION DOCUMENTS 06-15-11

REVISION NUMBER

REVISION 🛕 04-18-12 REVISION 01-31-13

DRAWING TITLE

GATEWAY MAIN ENTRANCE

NOTES

OWNER

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DRAWING TITLE

GATEWAY MAIN ENTRANCE

NOTES

OWNER

UNIVERSITY OF MEMPHIS MEMPHIS, TN 38152

APPROVAL / DATE

PROJECT NUMBER

1009.07

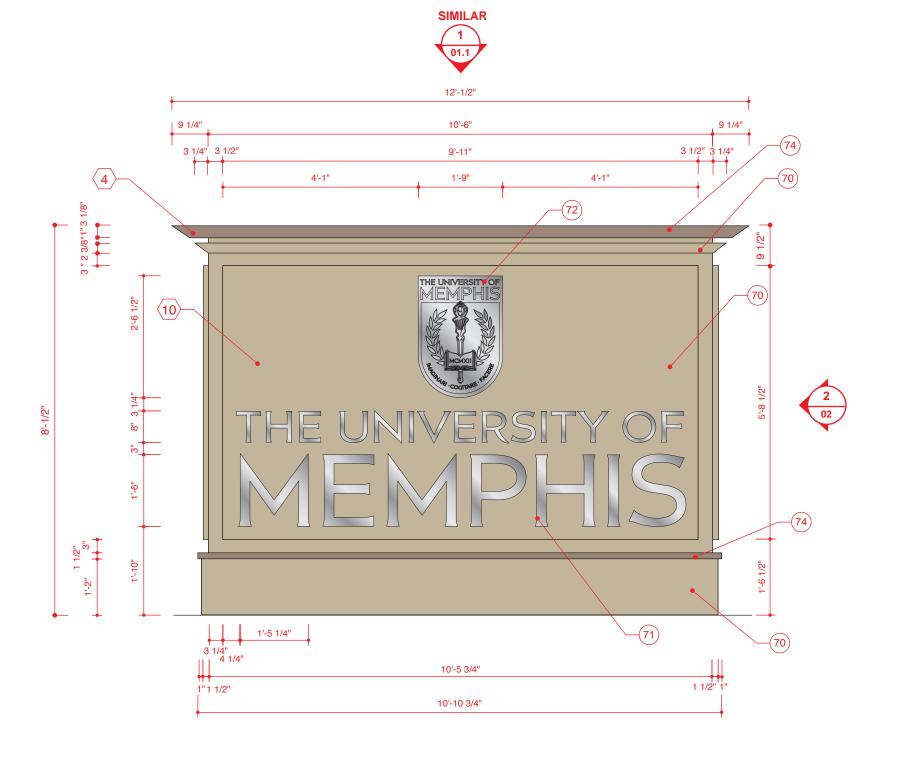
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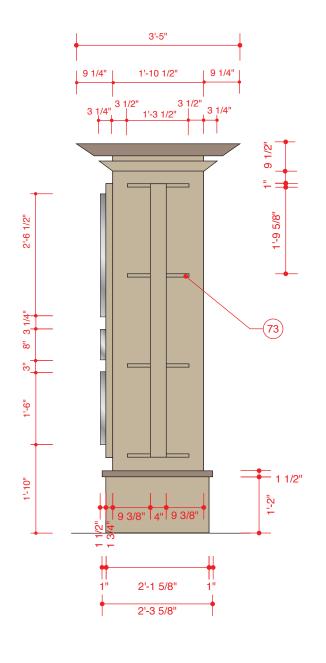
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1 GATEWAY SECONDARY ENTRANCE ELEVATION

301 EAST MAIN STREET - CARNEGIE, PA 15106

SCALE: 1/2" = 1'0" 2 GATEWAY SECONDARY ENTRANCE END VIEW

SCALE: 1 1/2" = 1-0"

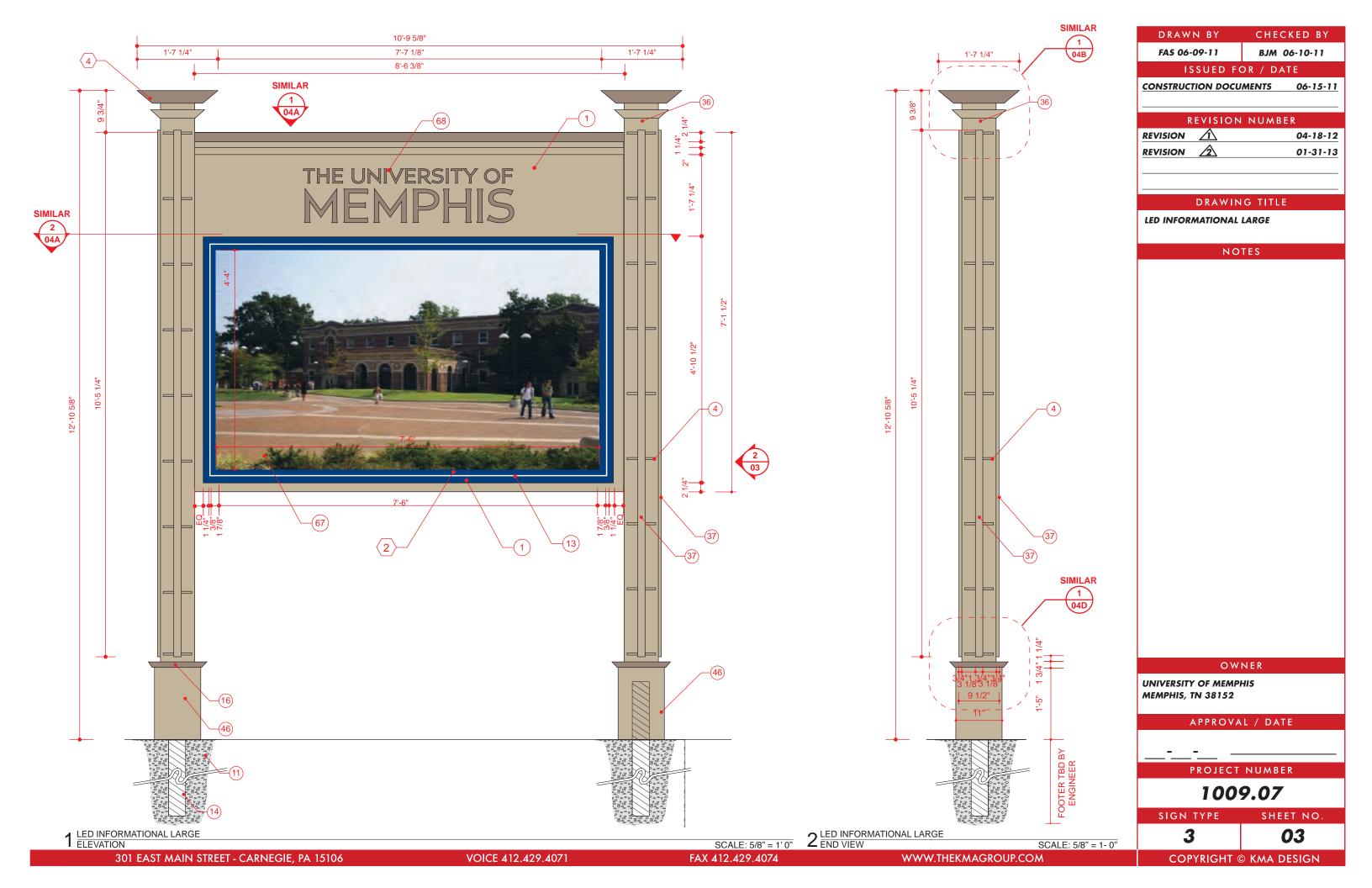
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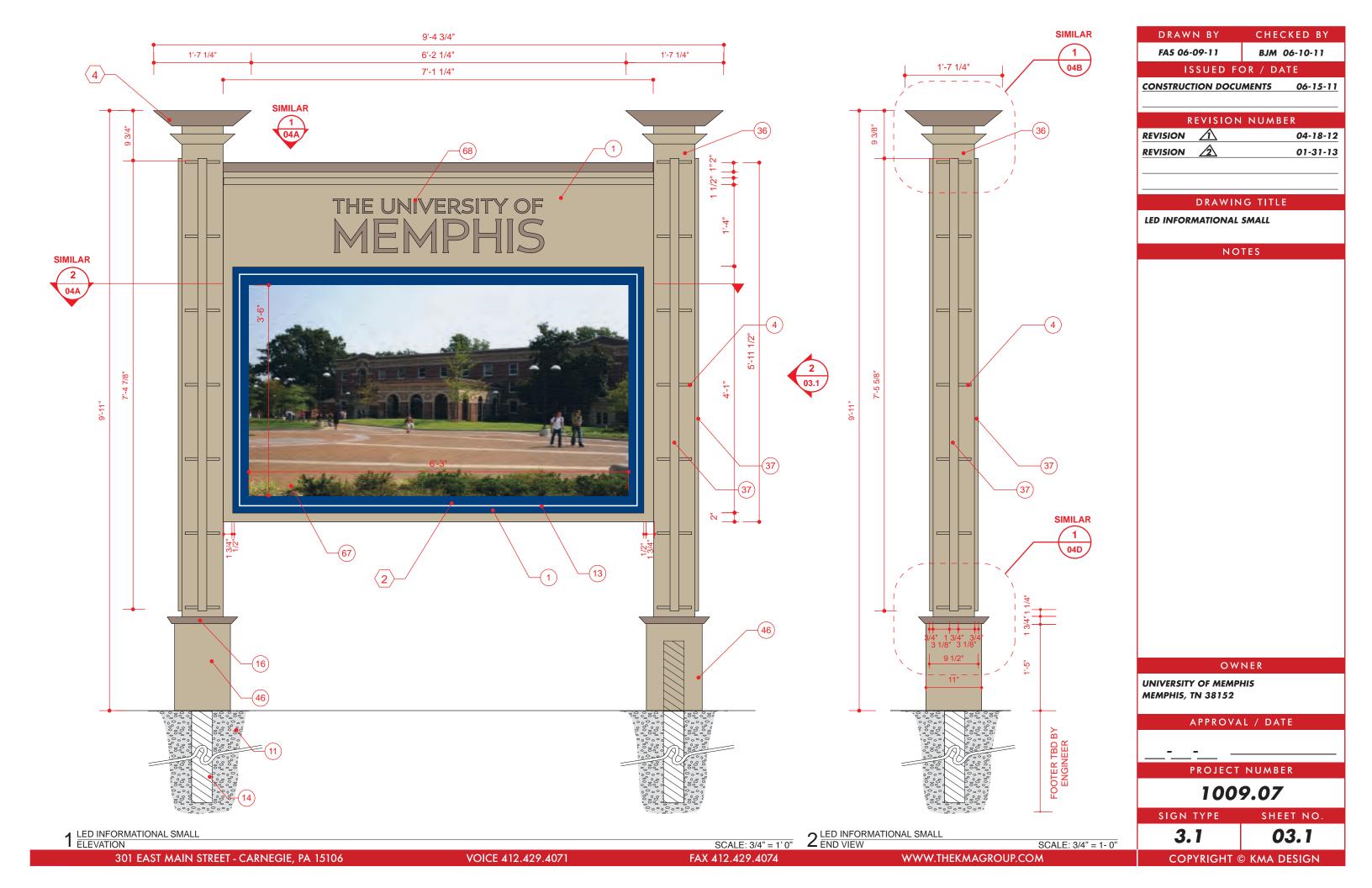
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NOTES



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UNIVERSITY OF MEMPHIS **MEMPHIS, TN 38152**

APPROVAL / DATE

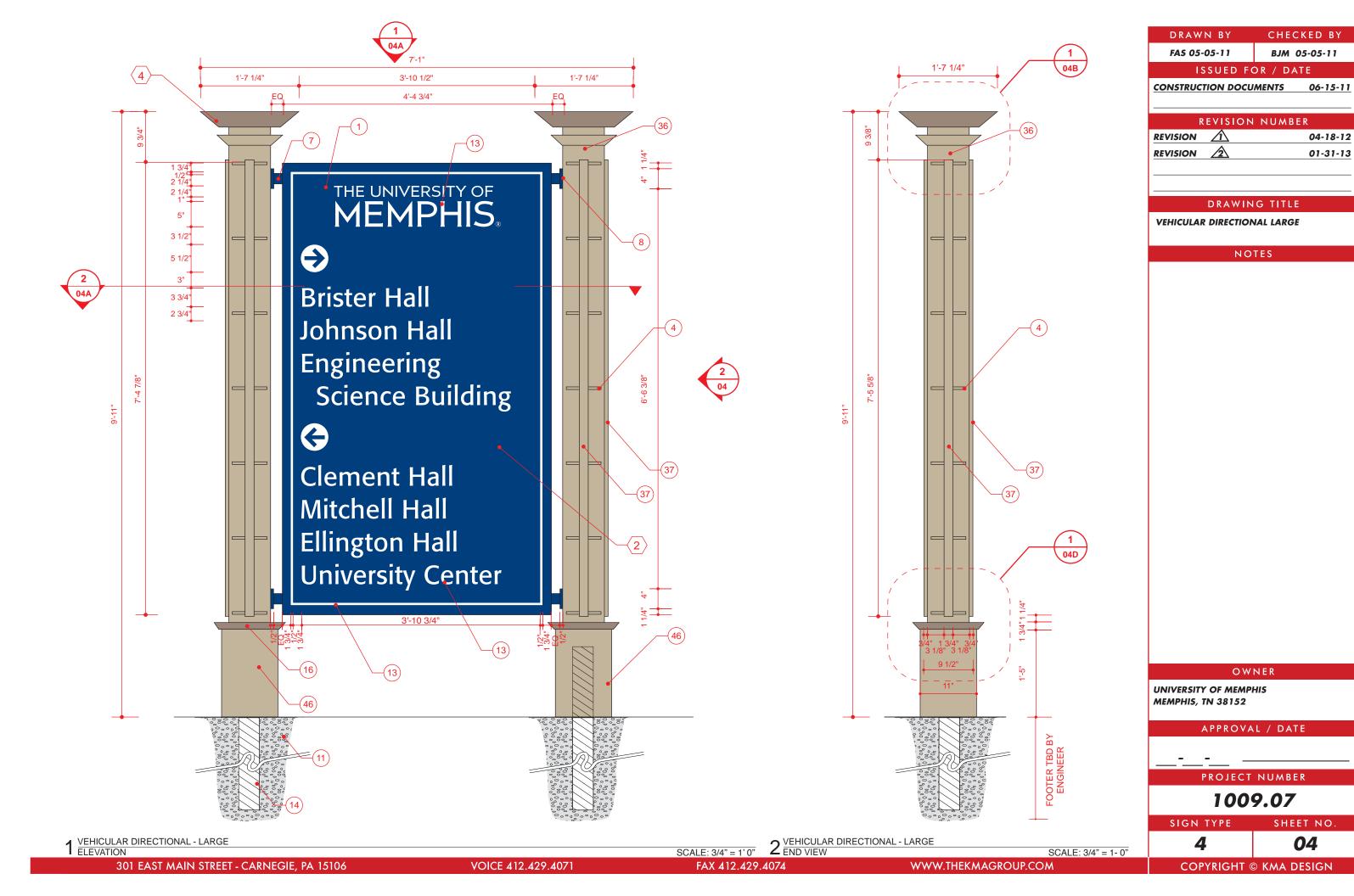
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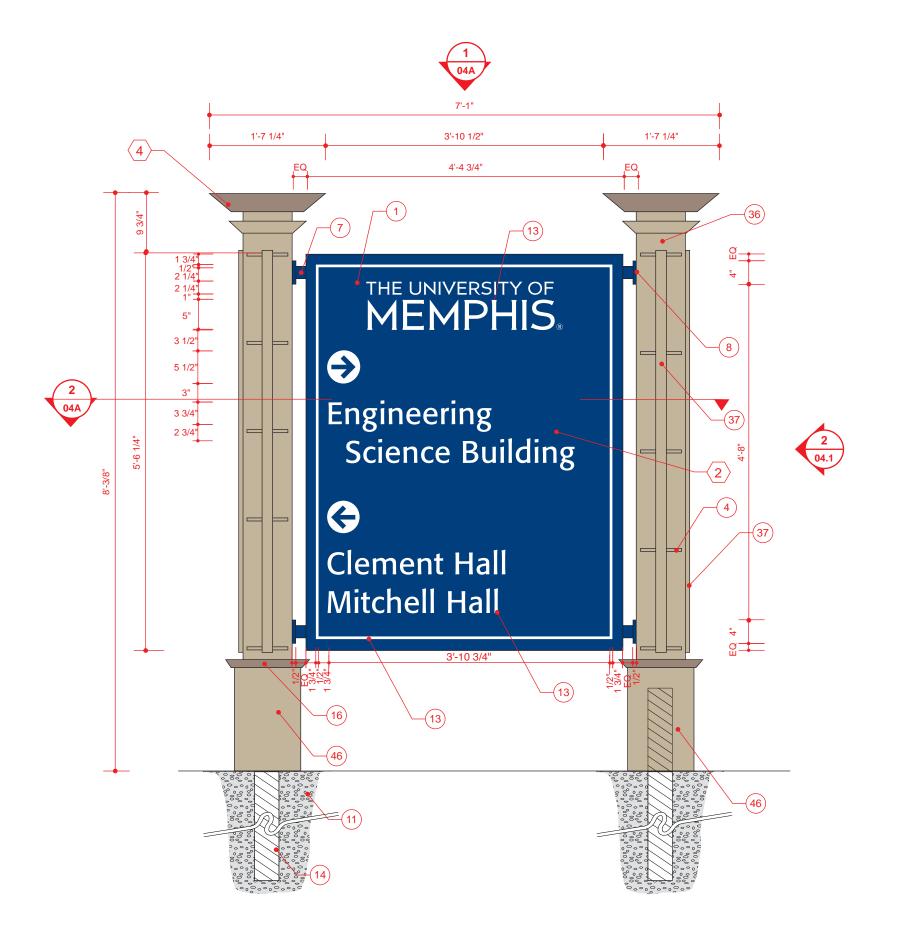
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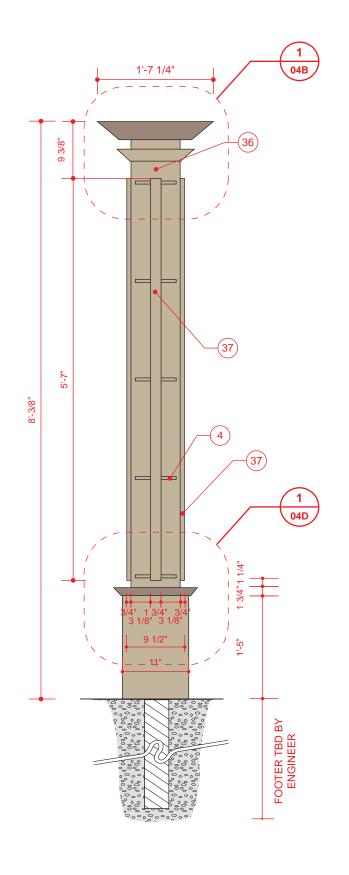
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3.2







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OWNER

MEMPHIS, TN 38152

APPROVAL / DATE

PROJECT NUMBER

1009.07

SIGN TYPE

SHEET NO.

CHECKED BY

BJM 05-05-11

04-18-12

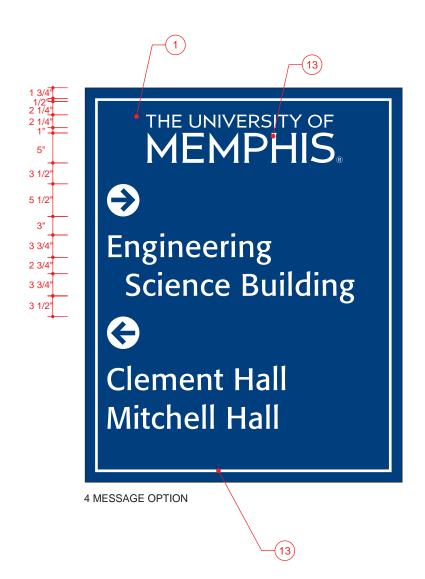
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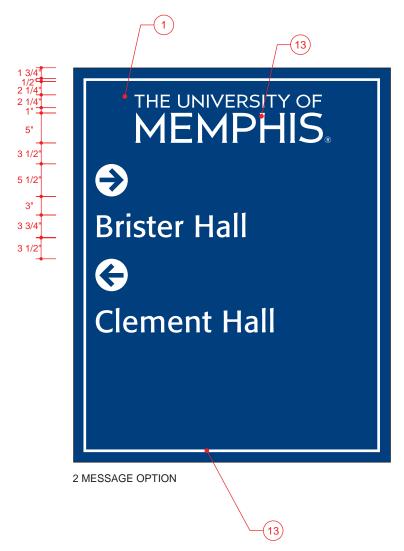
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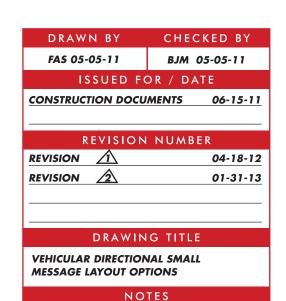
2 VEHICULAR DIRECTIONAL - SMALL END VIEW

SCALE: 3/4" = 1'0"









OWNER **UNIVERSITY OF MEMPHIS**

MEMPHIS, TN 38152

APPROVAL / DATE

PROJECT NUMBER

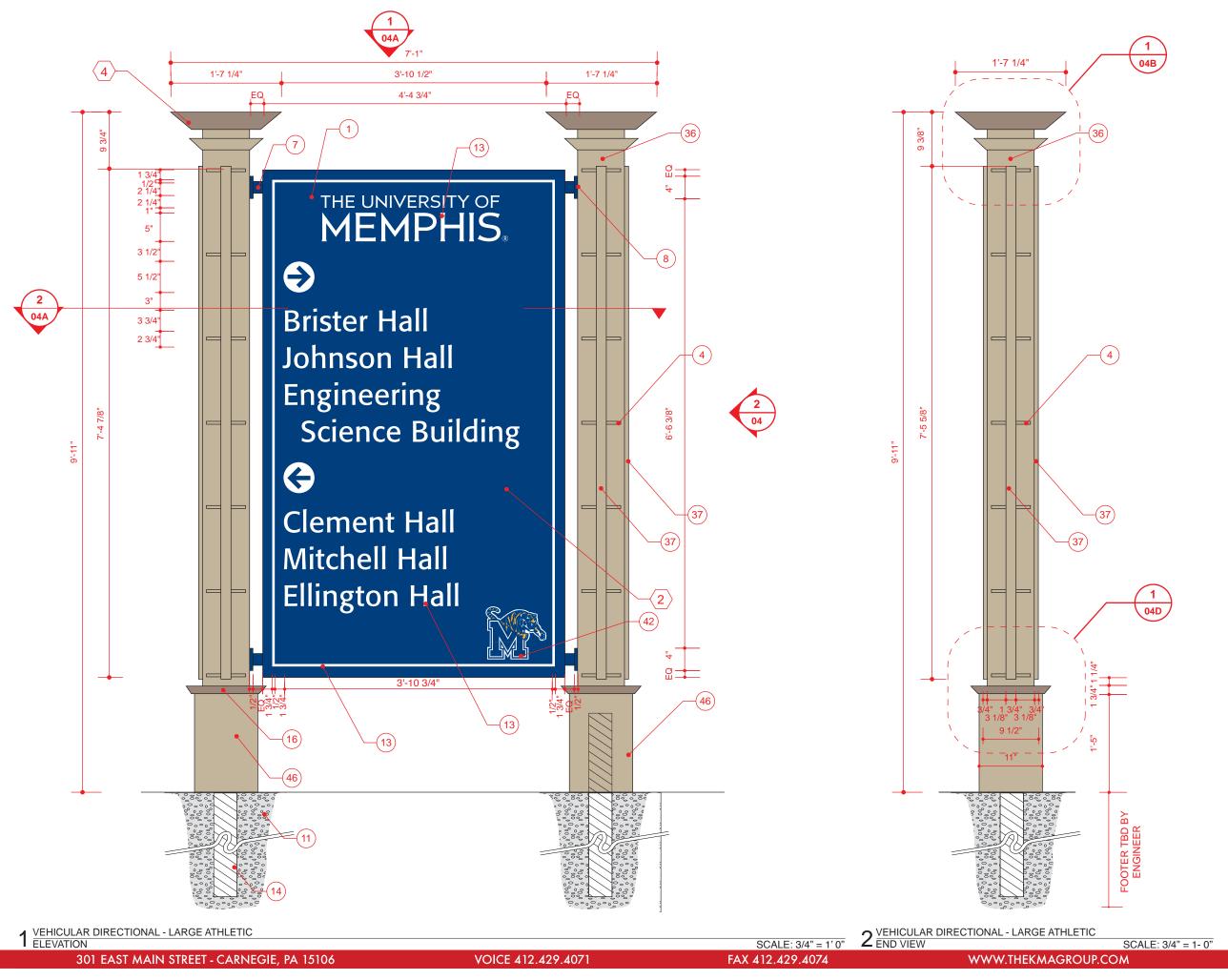
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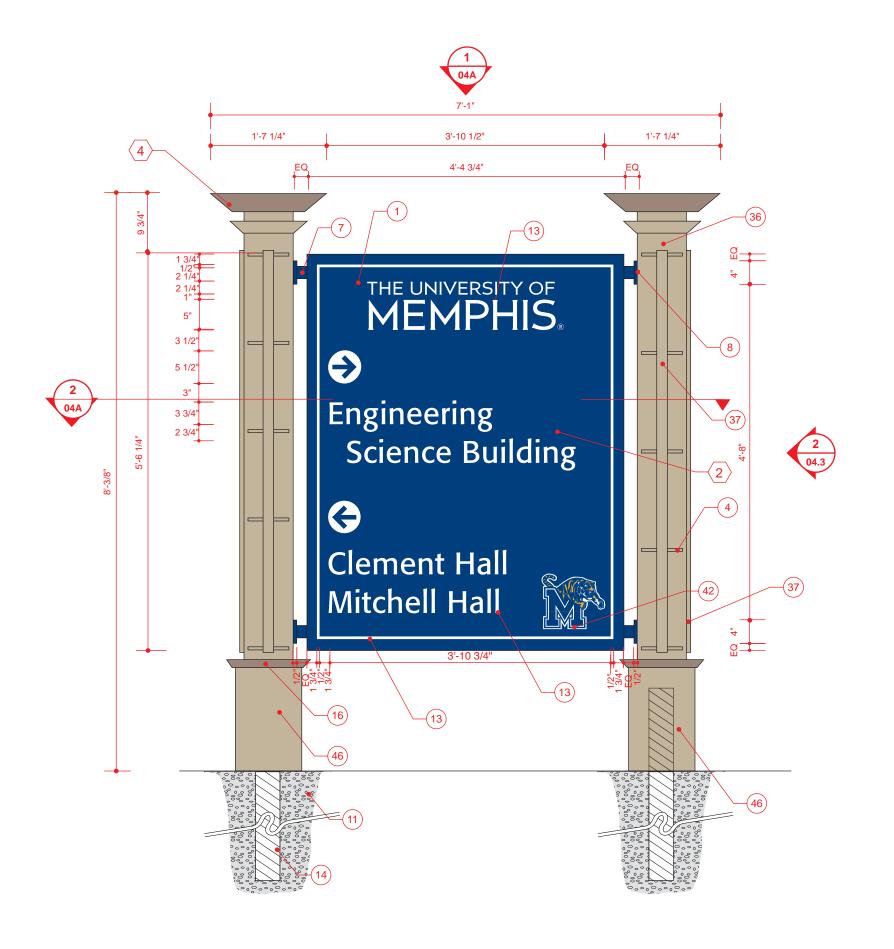
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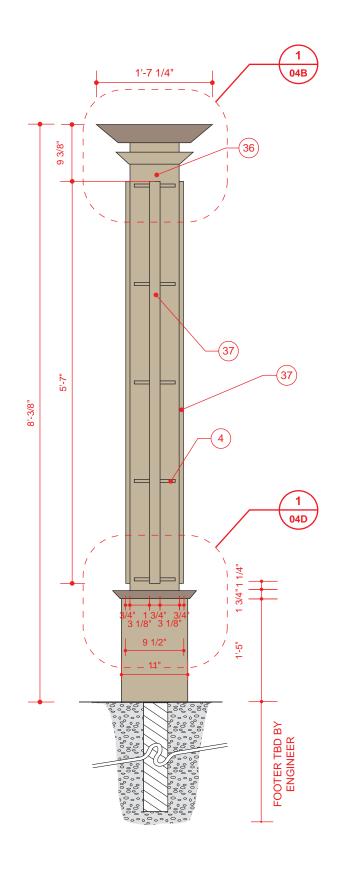
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PROJECT NUMBER 1009.07

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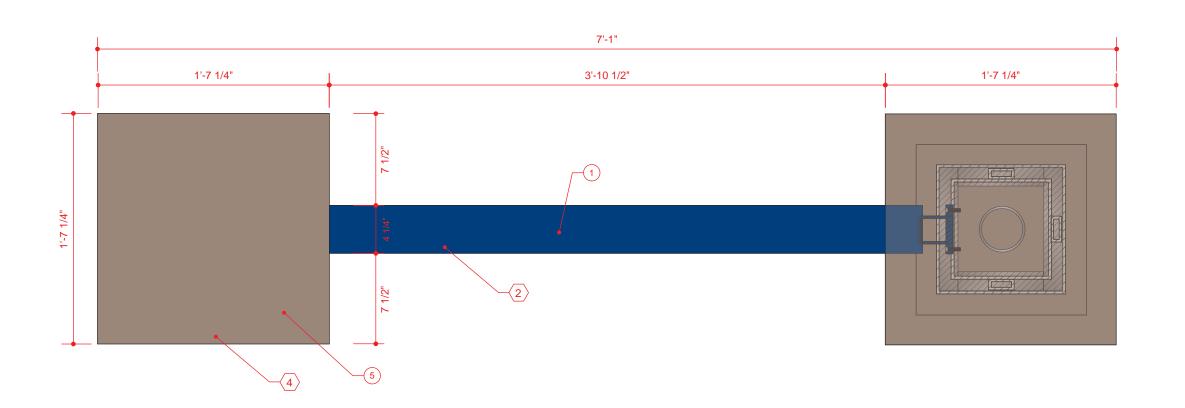
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04.3

4.3

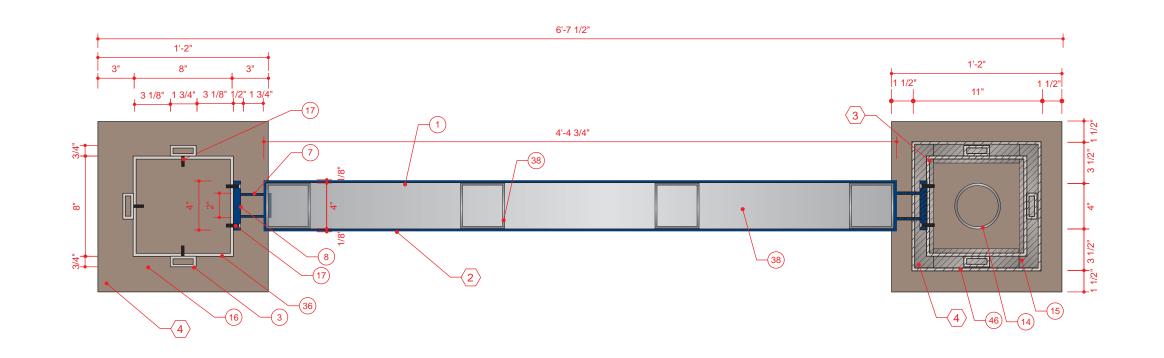
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2 VEHICULAR DIRECTIONAL SMALL ATHLETIC END VIEW



1 VEHICULAR DIRECTIONAL DETAIL PLAN VIEW

SCALE: 1/8" = 1"



2 VEHICULAR DIRECTIONAL DETAIL HORIZONTAL SECTION

SCALE: 1/8" = 1"

04A

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BJM 05-05-11

04-18-12

01-31-13

ISSUED FOR / DATE

CONSTRUCTION DOCUMENTS 06-15-11

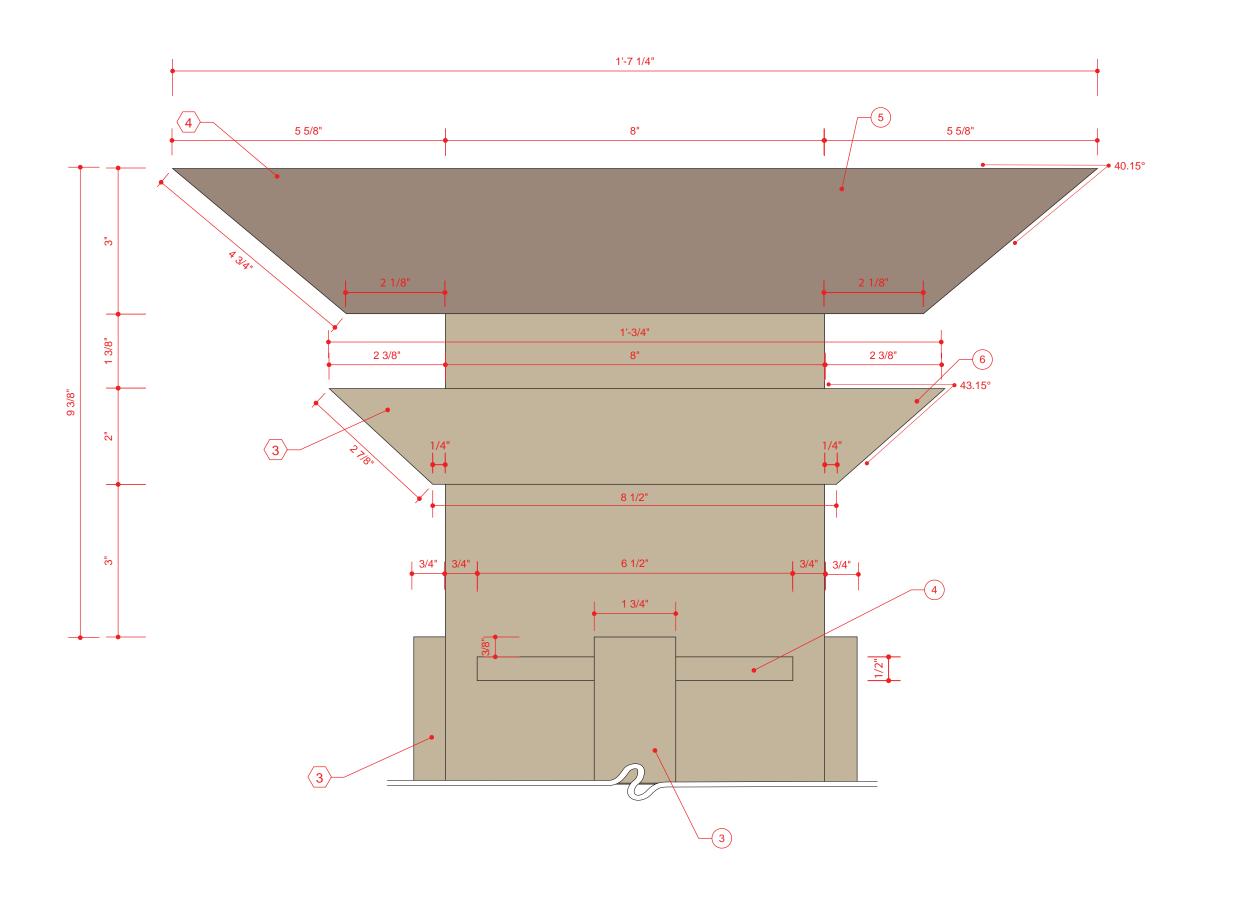
REVISION NUMBER

DRAWING TITLE

NOTES

VEHICULAR DIRECTIONAL DETAIL

FAX 412.429.4074



DRAWN BY CHECKED BY FAS 05-05-11 BJM 05-05-11 ISSUED FOR / DATE CONSTRUCTION DOCUMENTS 06-15-11 REVISION NUMBER REVISION 🛕 04-18-12 REVISION 01-31-13 DRAWING TITLE DIRECTIONAL LARGE FINIAL AND POST ACCENT DETAIL NOTES OWNER UNIVERSITY OF MEMPHIS MEMPHIS, TN 38152 APPROVAL / DATE PROJECT NUMBER 1009.07

SCALE: 1/8" = 1"

SIGN TYPE

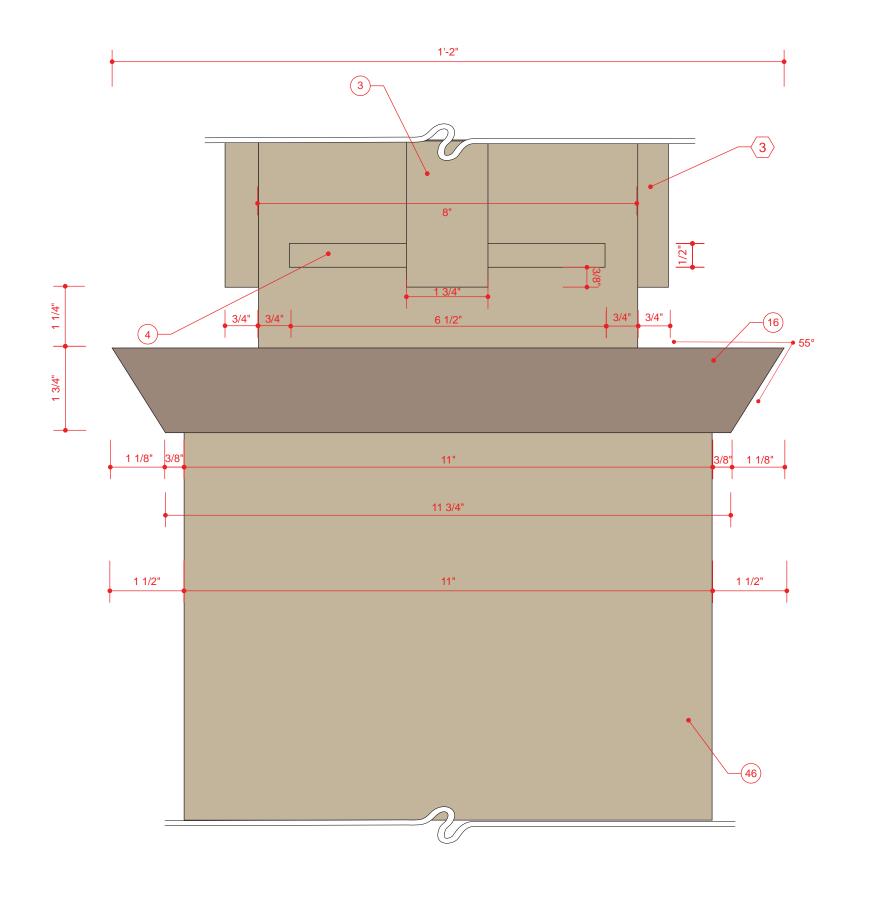
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DRAWN BY CHECKED BY FAS 05-05-11 BJM 05-05-11 ISSUED FOR / DATE CONSTRUCTION DOCUMENTS REVISION NUMBER REVISION 1 04-18-12 REVISION 01-31-13 DRAWING TITLE VEHICULAR DIRECTIONAL LARGE **MESSAGE LAYOUT OPTIONS** NOTES OWNER **UNIVERSITY OF MEMPHIS MEMPHIS, TN 38152** 1009.07 SIGN TYPE SHEET NO.

SCALE: 3/4" = 1'0"

04C



DRAWN BY CHECKED BY FAS 05-05-11 BJM 05-05-11 ISSUED FOR / DATE CONSTRUCTION DOCUMENTS 06-15-11 REVISION NUMBER REVISION 🛕 04-18-12 REVISION 01-31-13 DRAWING TITLE DIRECTIONAL BASE ACCENT DETAIL NOTES OWNER UNIVERSITY OF MEMPHIS MEMPHIS, TN 38152 APPROVAL / DATE PROJECT NUMBER 1009.07

1 DIRECTIONAL BASE ACCENT DETAIL ELEVATION

301 EAST MAIN STREET - CARNEGIE, PA 15106

VOICE 412.429.4071

FAX 412.429.4074

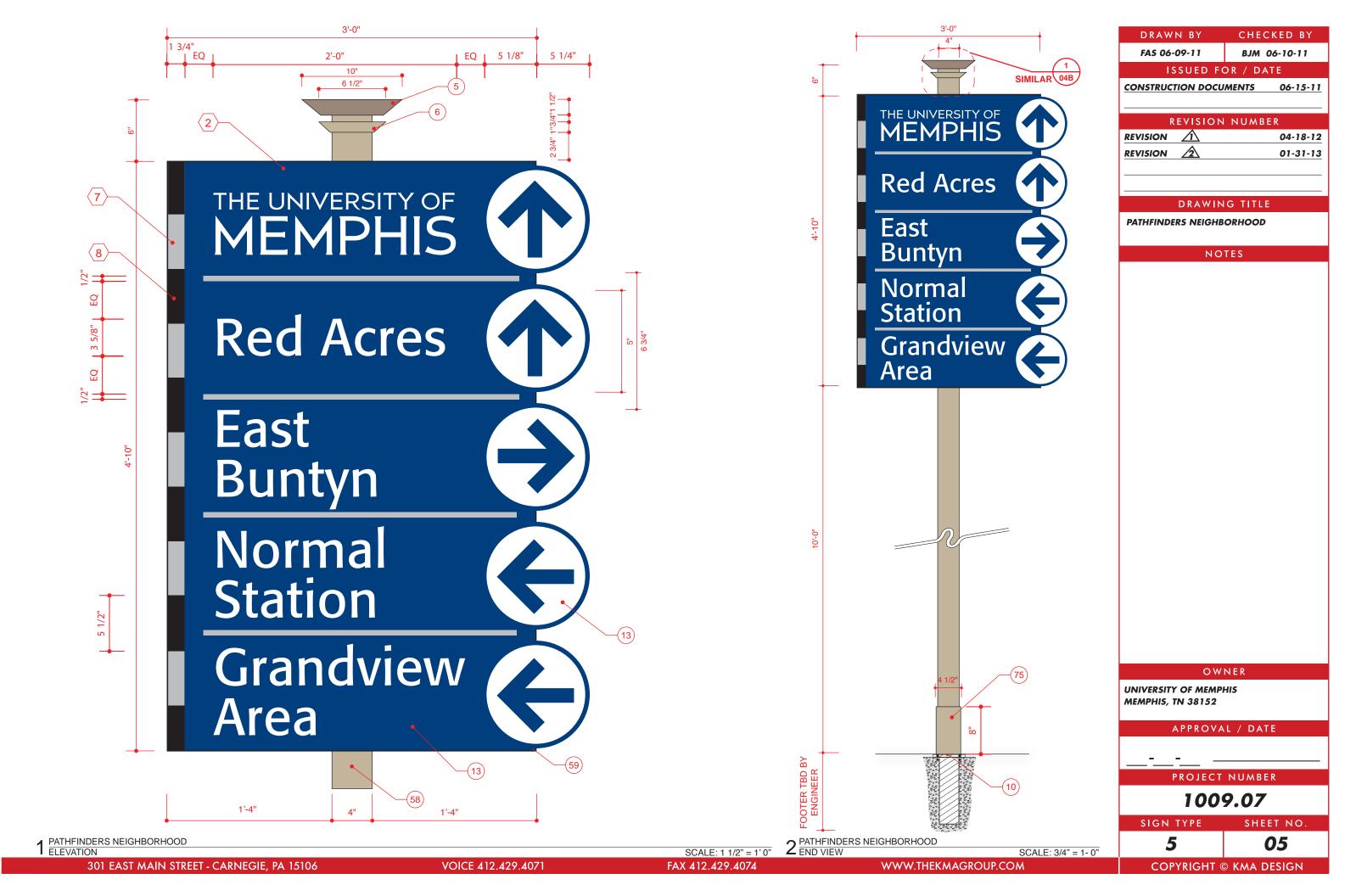
SCALE: 5/8" = 1"

SHEET NO.

4 04D

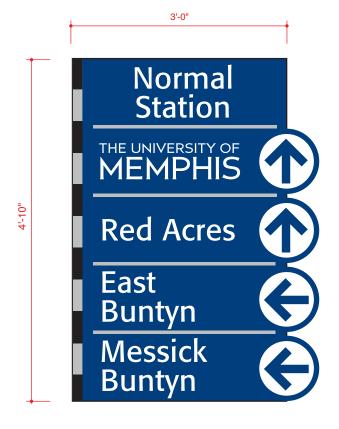
SIGN TYPE

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East Buntyn THE UNIVERSITY OF MEMPHIS **Joffre** Normal **Station** Messick Buntyn



DRAWN BY CHECKED BY FAS 06-09-11 BJM 06-10-11 ISSUED FOR / DATE CONSTRUCTION DOCUMENTS REVISION NUMBER REVISION 1 04-18-12 REVISION 01-31-13 DRAWING TITLE PATHFINDERS NEIGHBORHOOD WITH ALTERNATE DISTRICT MESSAGE NOTES

OWNER

UNIVERSITY OF MEMPHIS MEMPHIS, TN 38152

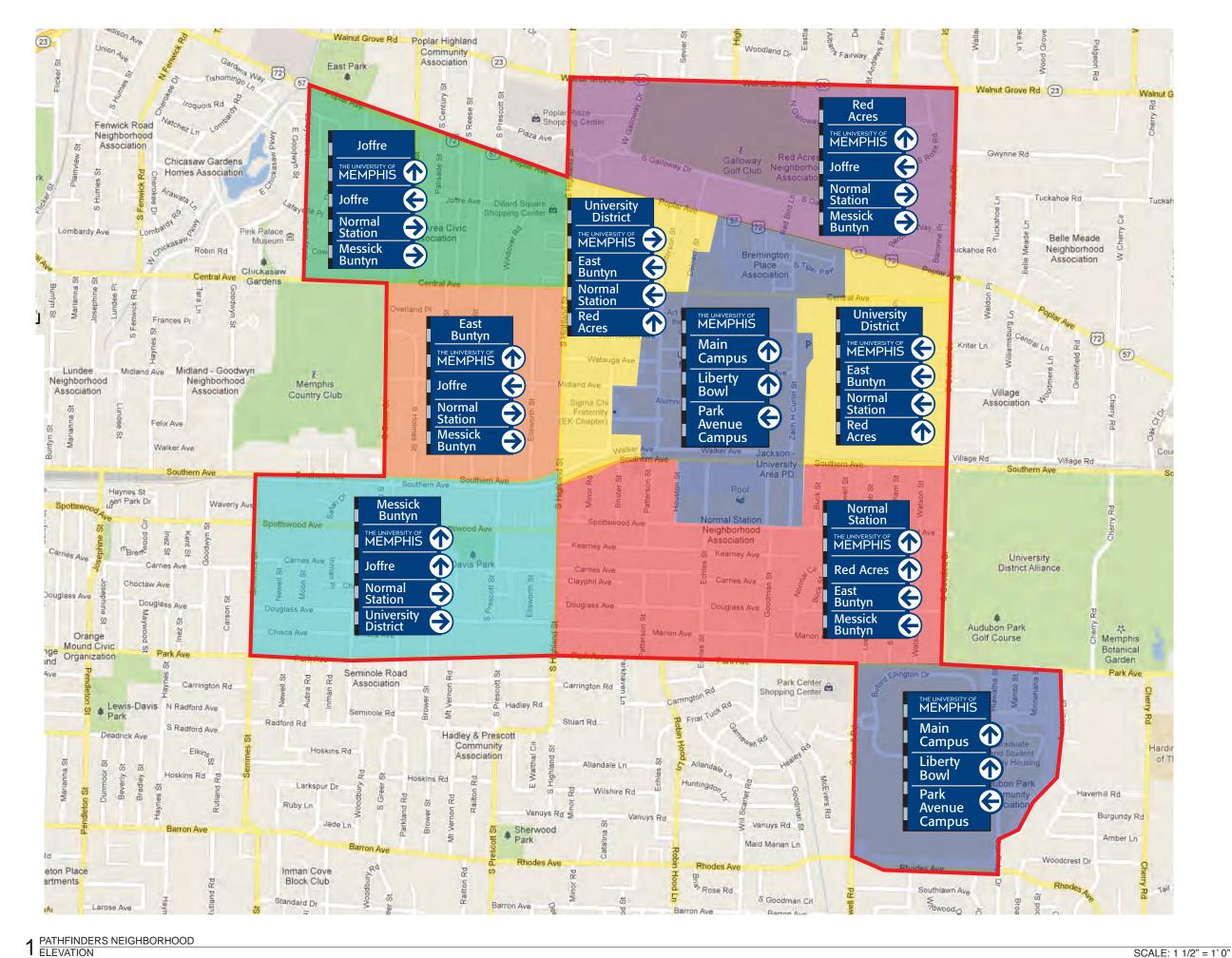
APPROVAL / DATE

PROJECT NUMBER

1009.07

SIGN TYPE SHEET NO.

5.1



DRAWN BY FAS 06-09-11 ISSUED FOR / DATE CONSTRUCTION DOCUMENTS REVISION NUMBER **REVISION** REVISION DRAWING TITLE PATHFINDERS NEIGHBORHOOD WITH ALTERNATE DISTRICT MESSAGE

NOTES

OWNER

UNIVERSITY OF MEMPHIS MEMPHIS, TN 38152

APPROVAL / DATE

PROJECT NUMBER

1009.07

SIGN TYPE 5.1

SHEET NO.

CHECKED BY

BJM 06-10-11

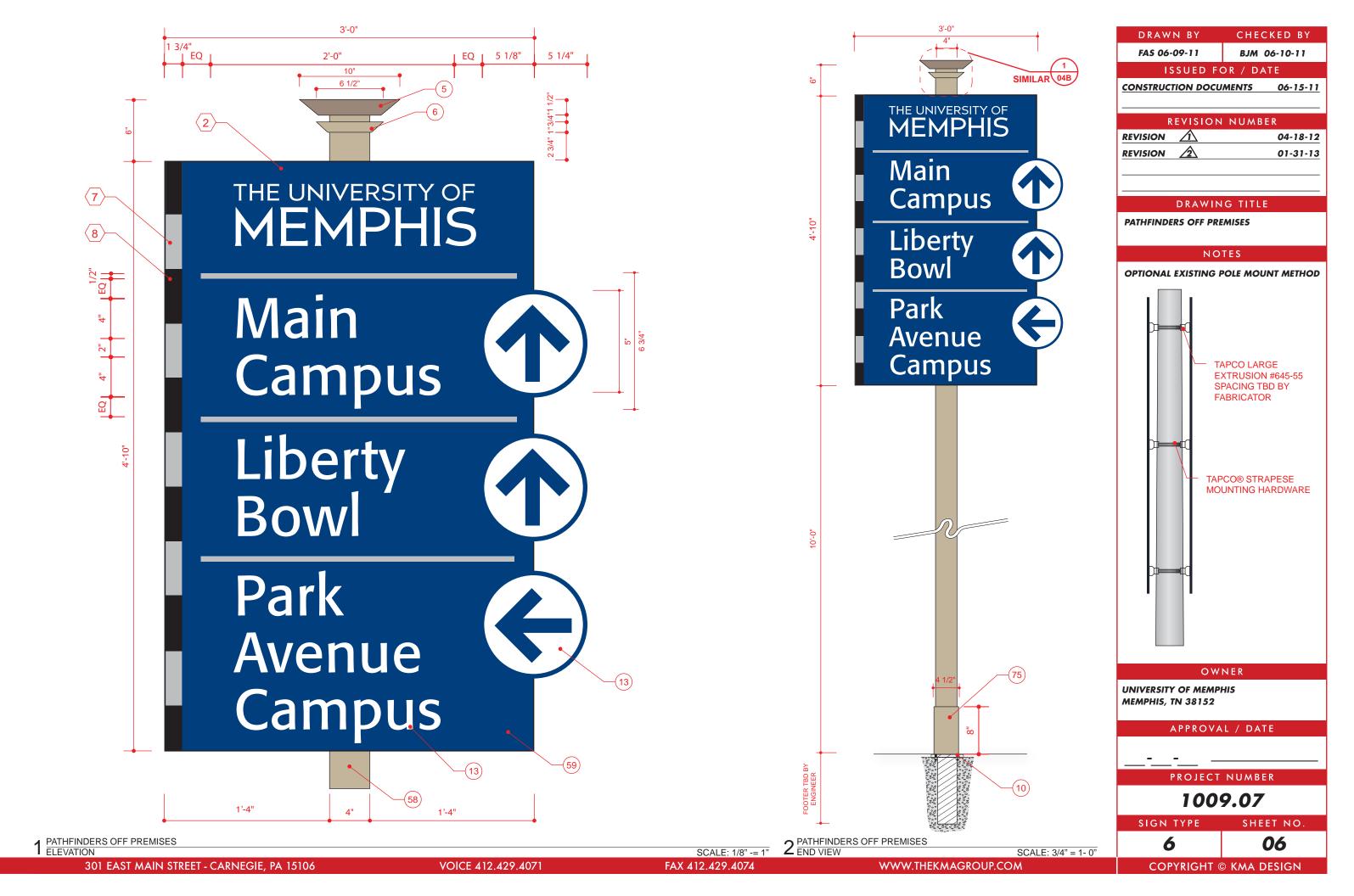
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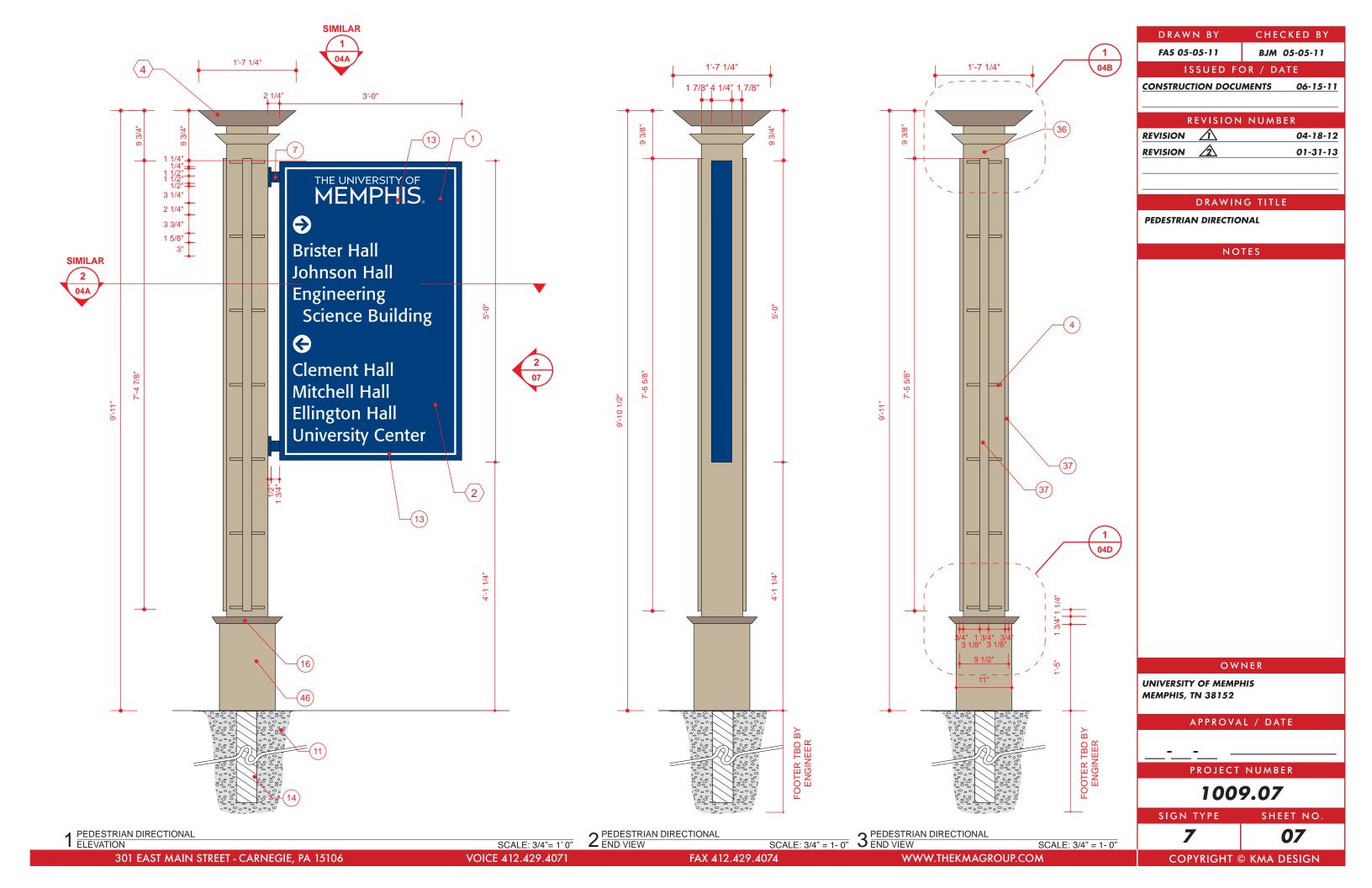
04-18-12

01-31-13

05.1

FAX 412.429.4074











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OWNER UNIVERSITY OF MEMPHIS

MEMPHIS, TN 38152

7

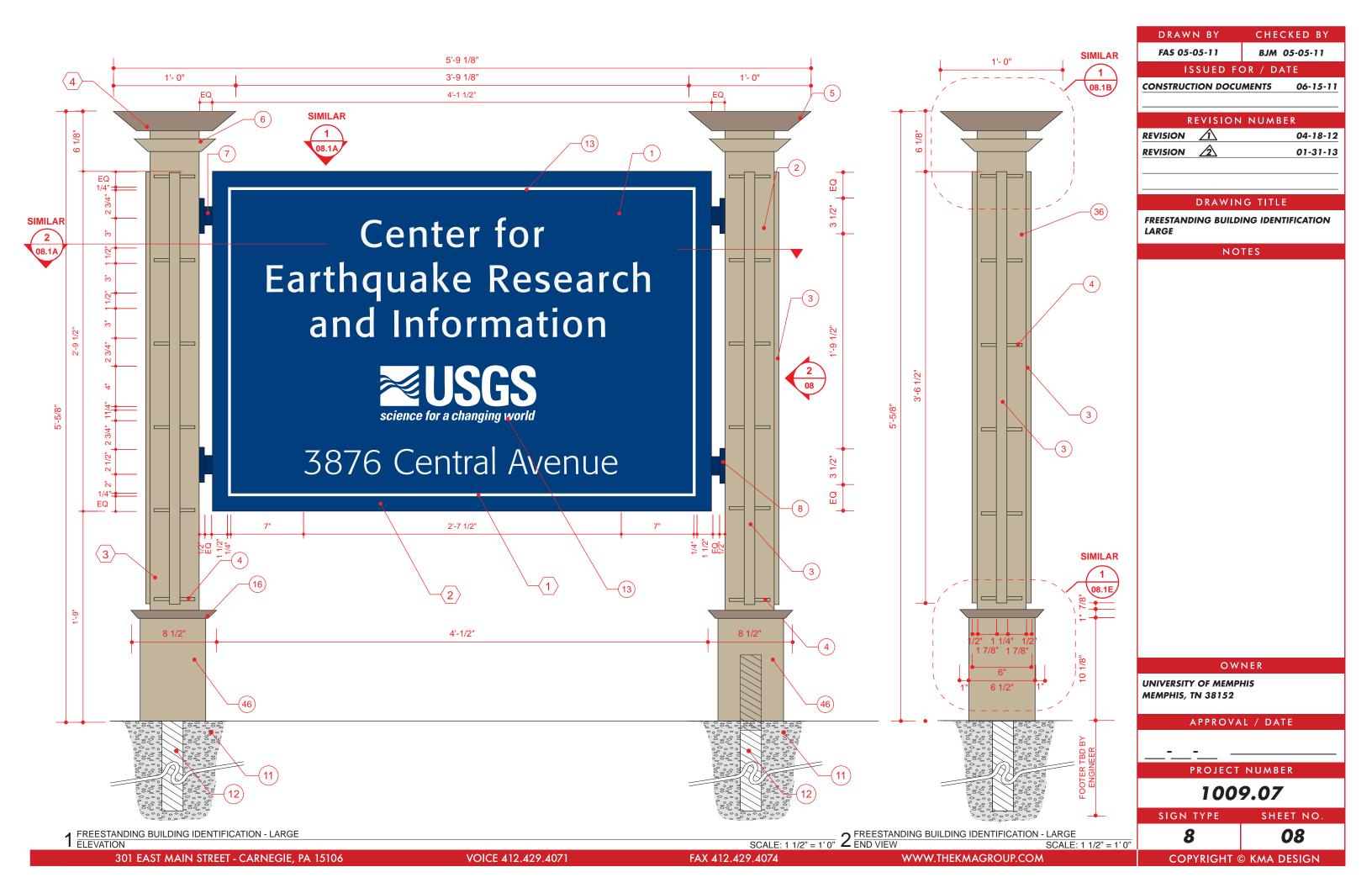
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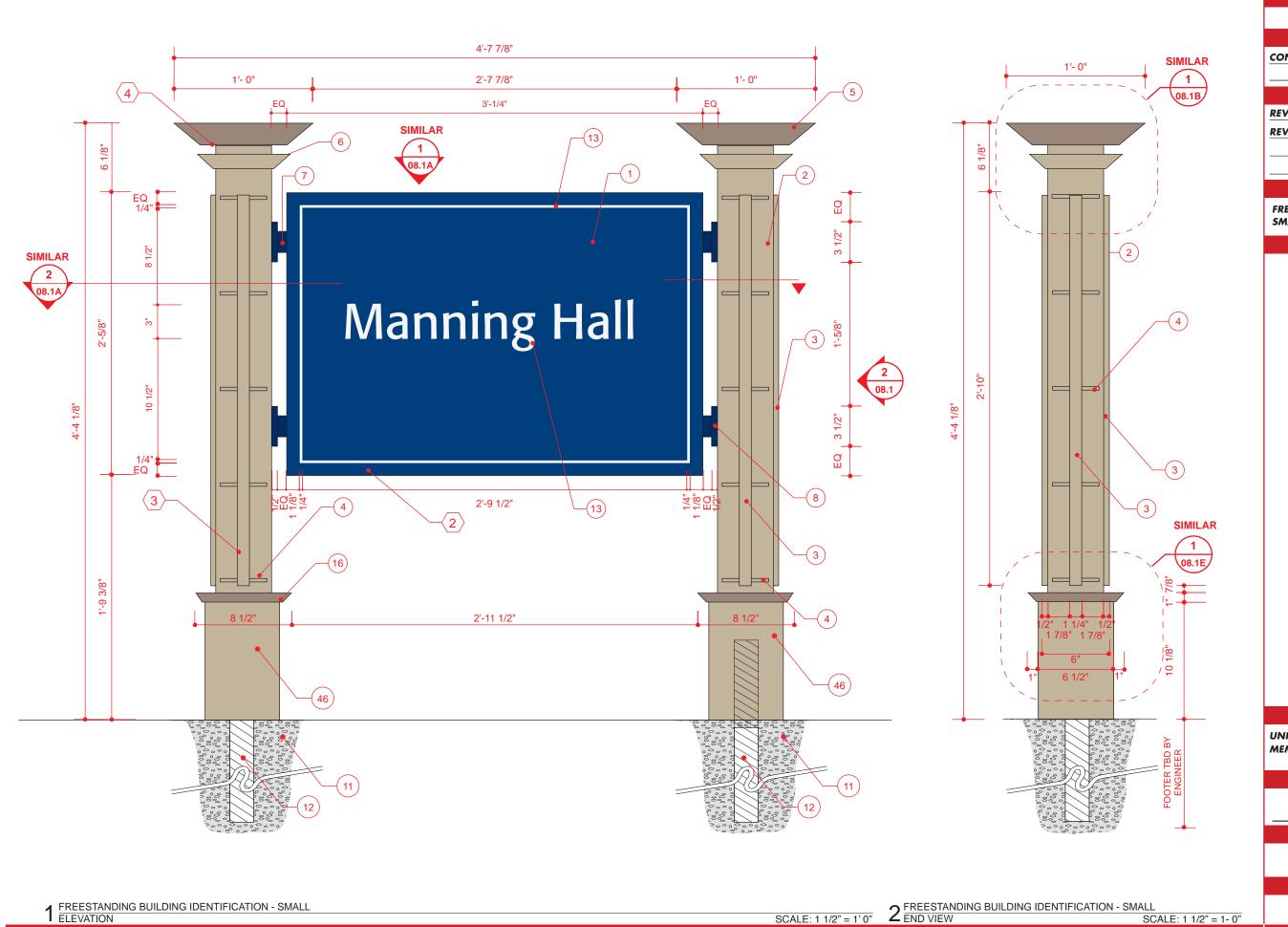
PROJECT NUMBER

1009.07

SIGN TYPE SHEET NO.

07A





DRAWN BY CHECKED BY FAS 05-05-11 BJM 05-05-11 ISSUED FOR / DATE CONSTRUCTION DOCUMENTS REVISION NUMBER REVISION **REVISION** DRAWING TITLE FREESTANDING BUILDING IDENTIFICATION NOTES OWNER UNIVERSITY OF MEMPHIS **MEMPHIS, TN 38152** APPROVAL / DATE

06-15-11

04-18-12

01-31-13

1009.07

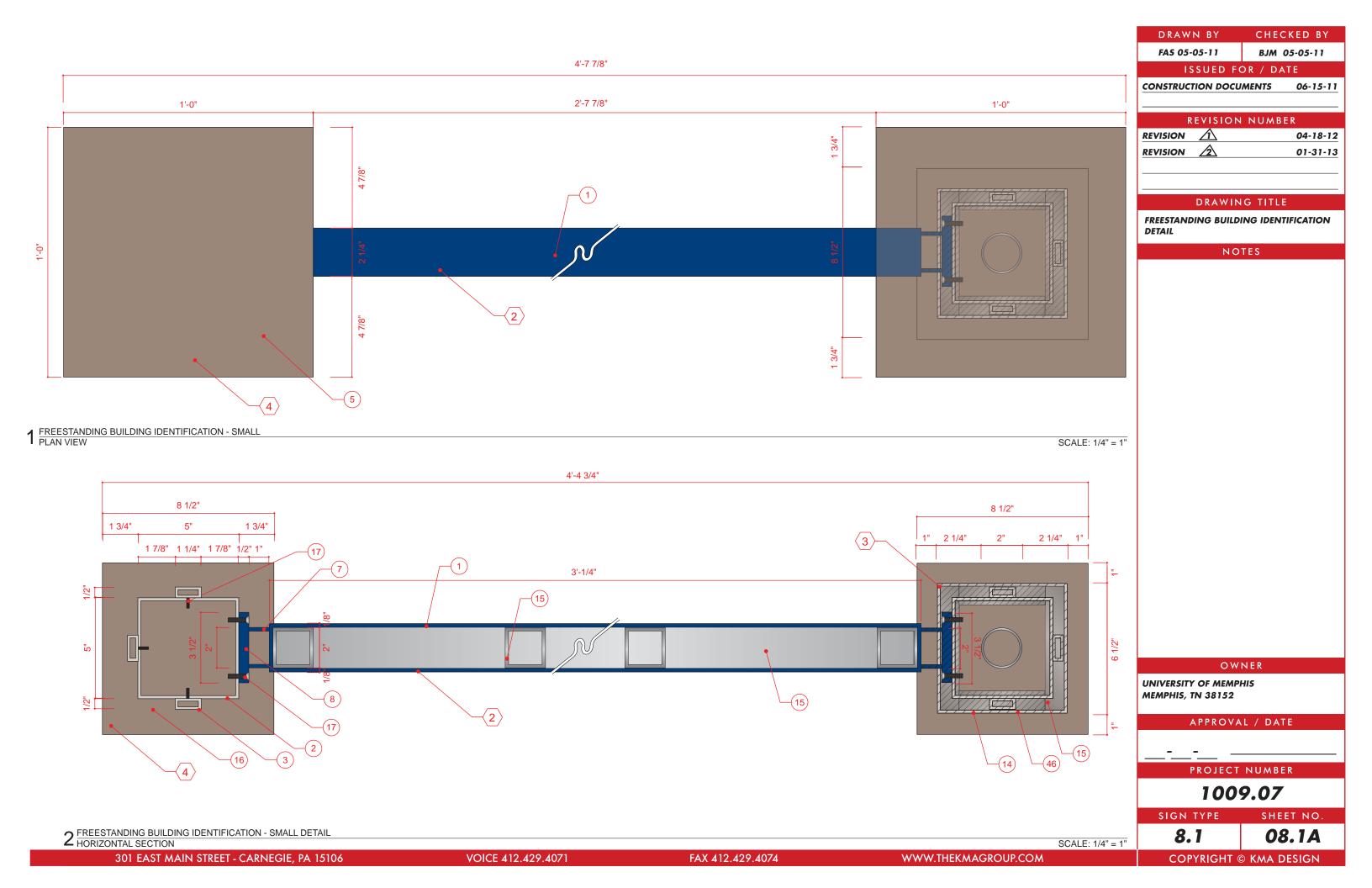
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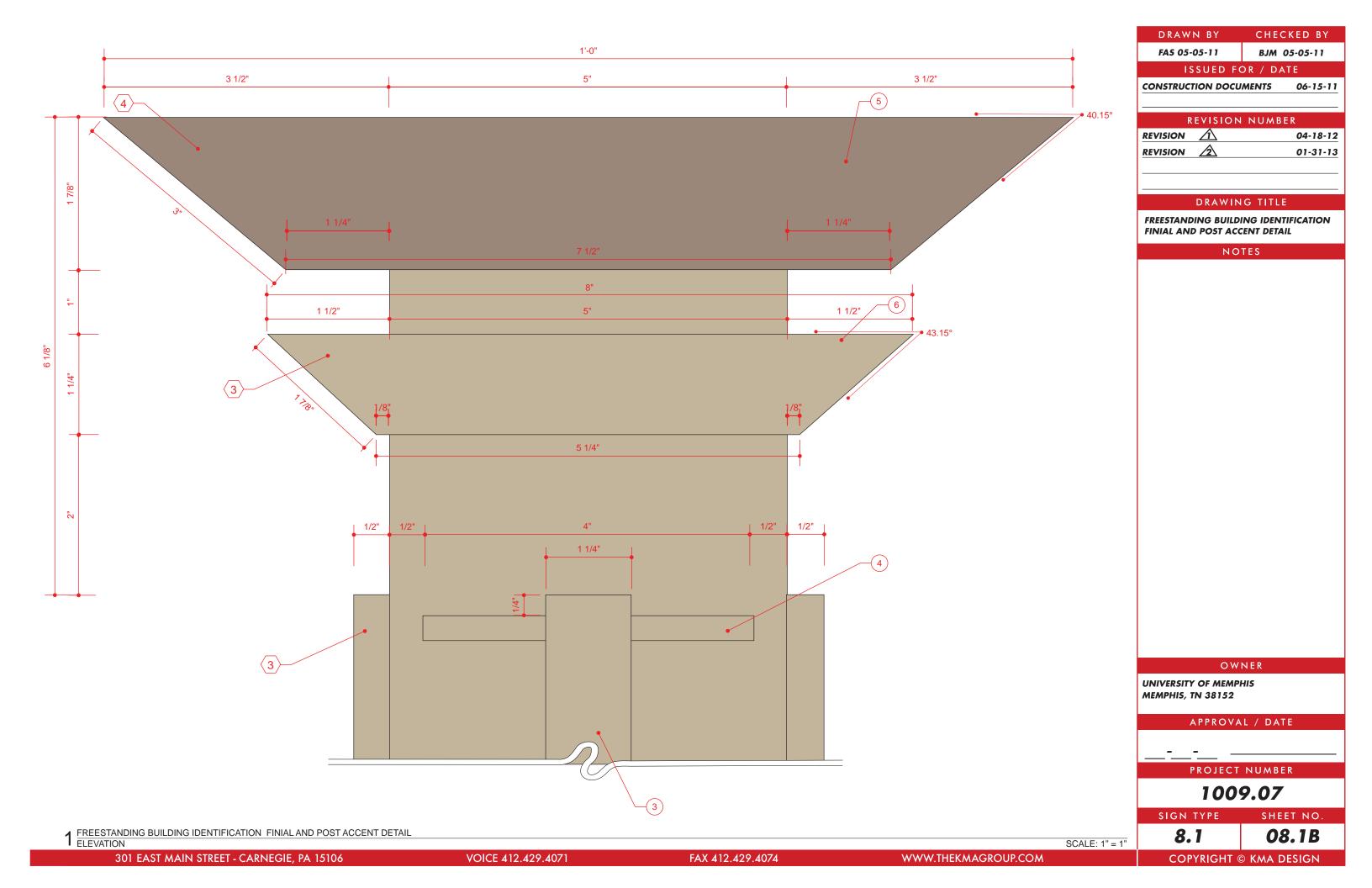
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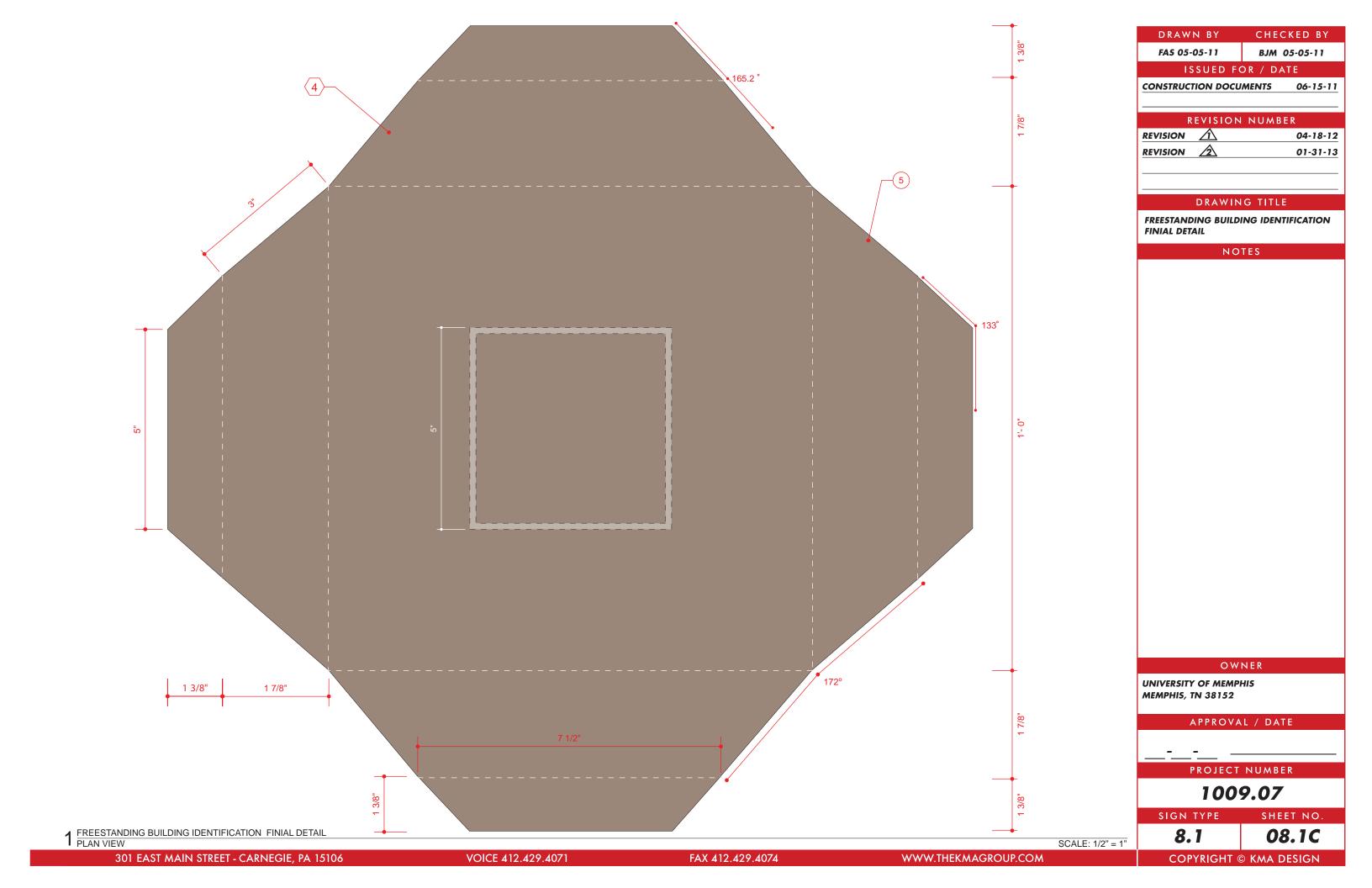
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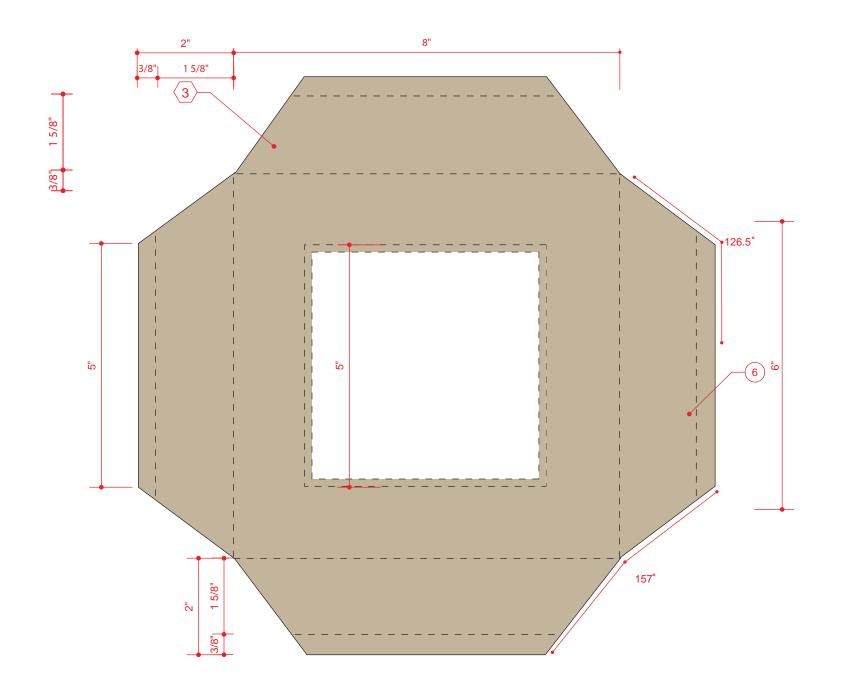
08.1

SHEET NO.









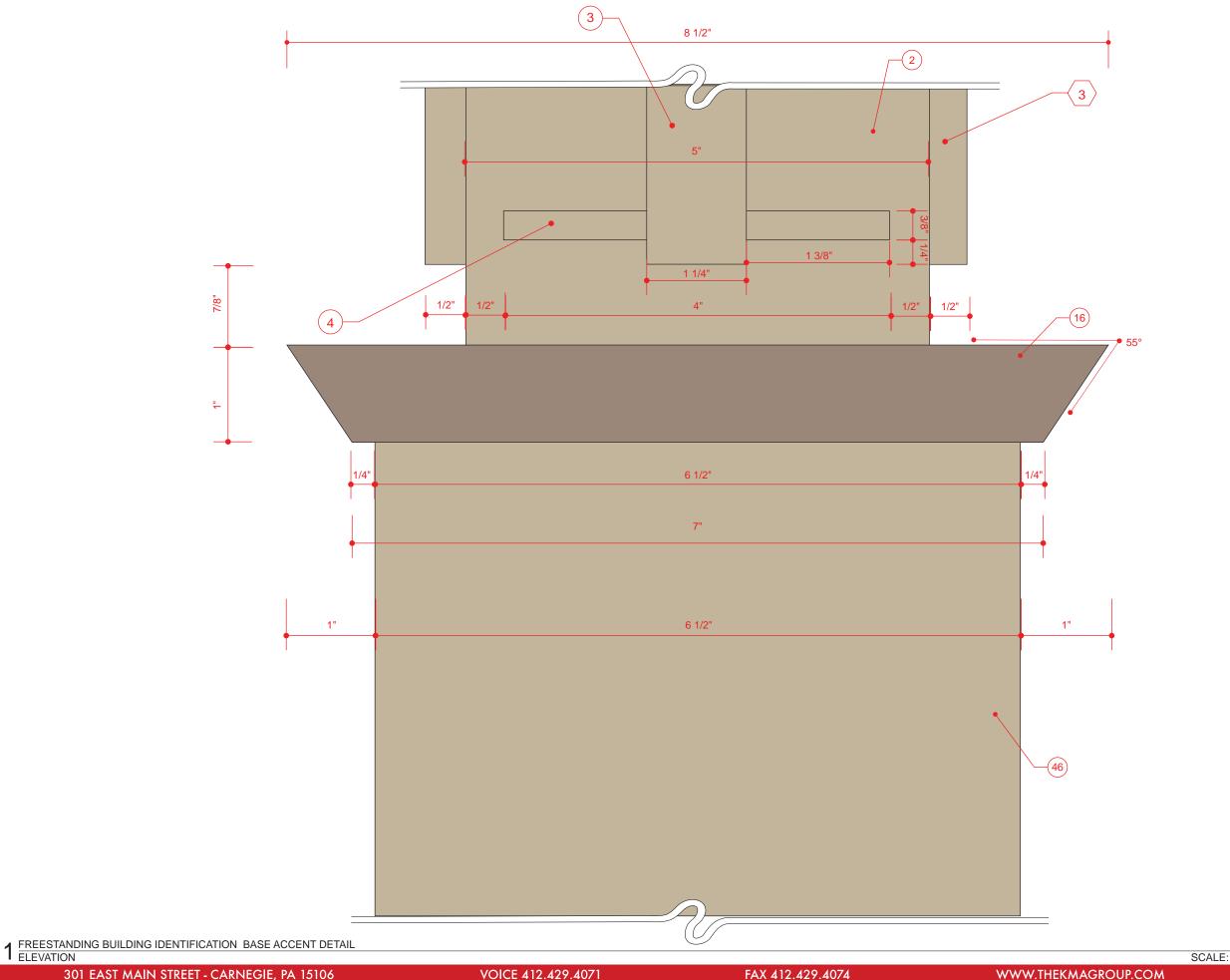
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1 FREESTANDING BUILDING IDENTIFICATION POST ACCENT DETAIL PLAN VIEW

VOICE 412.429.4071

SCALE: 1/2" = 1"

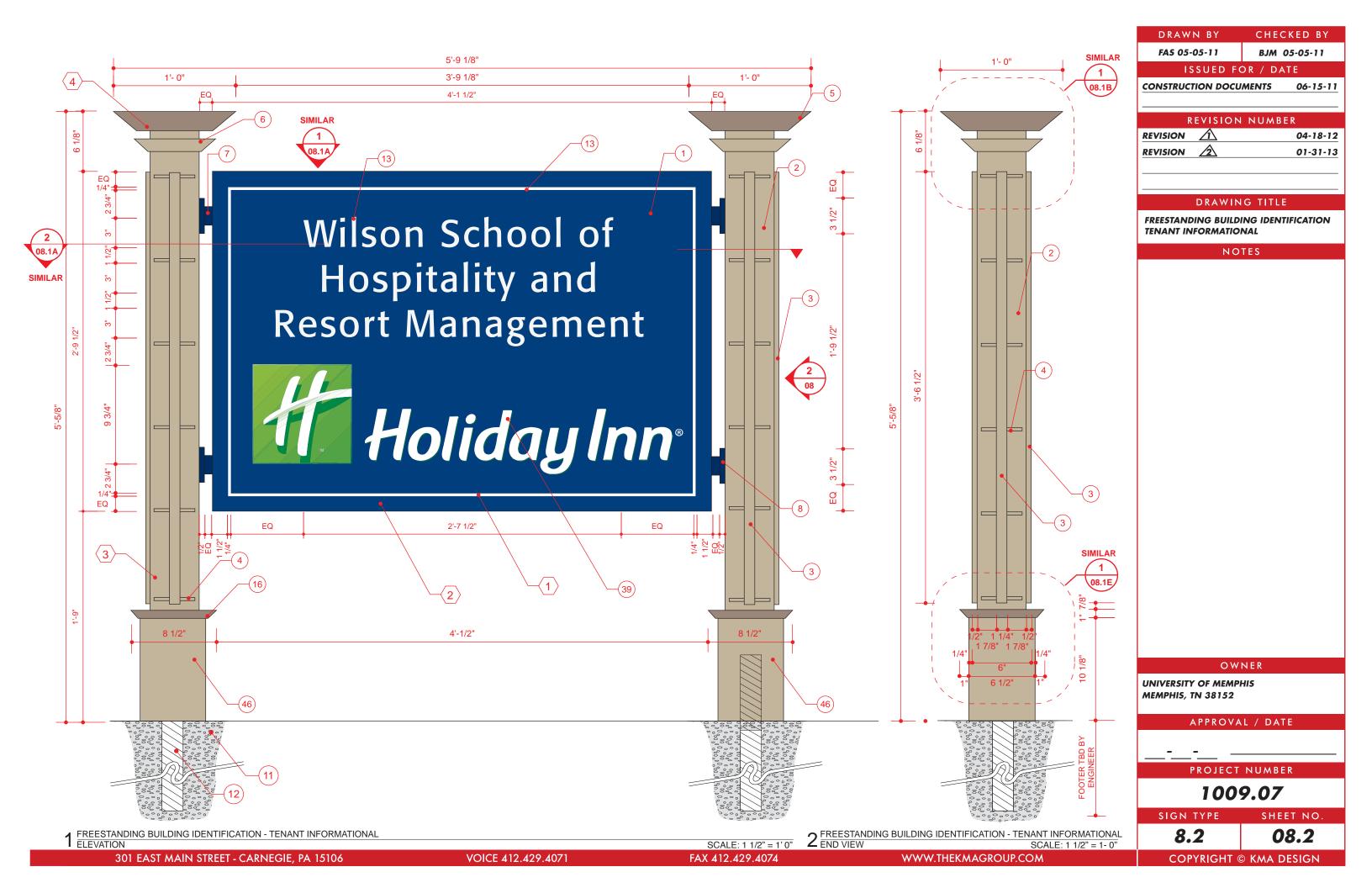
COPYRIGHT © KMA DESIGN

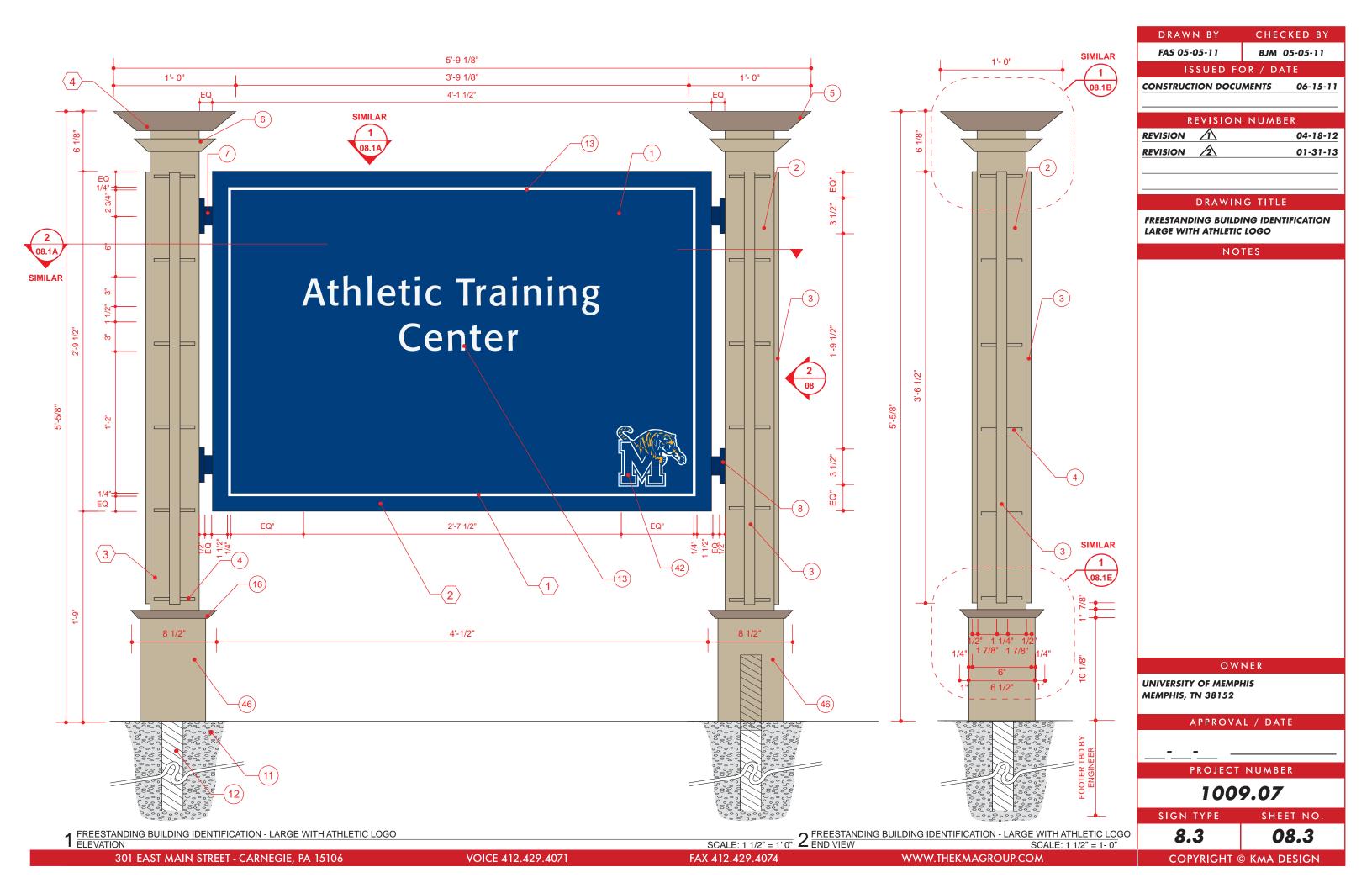


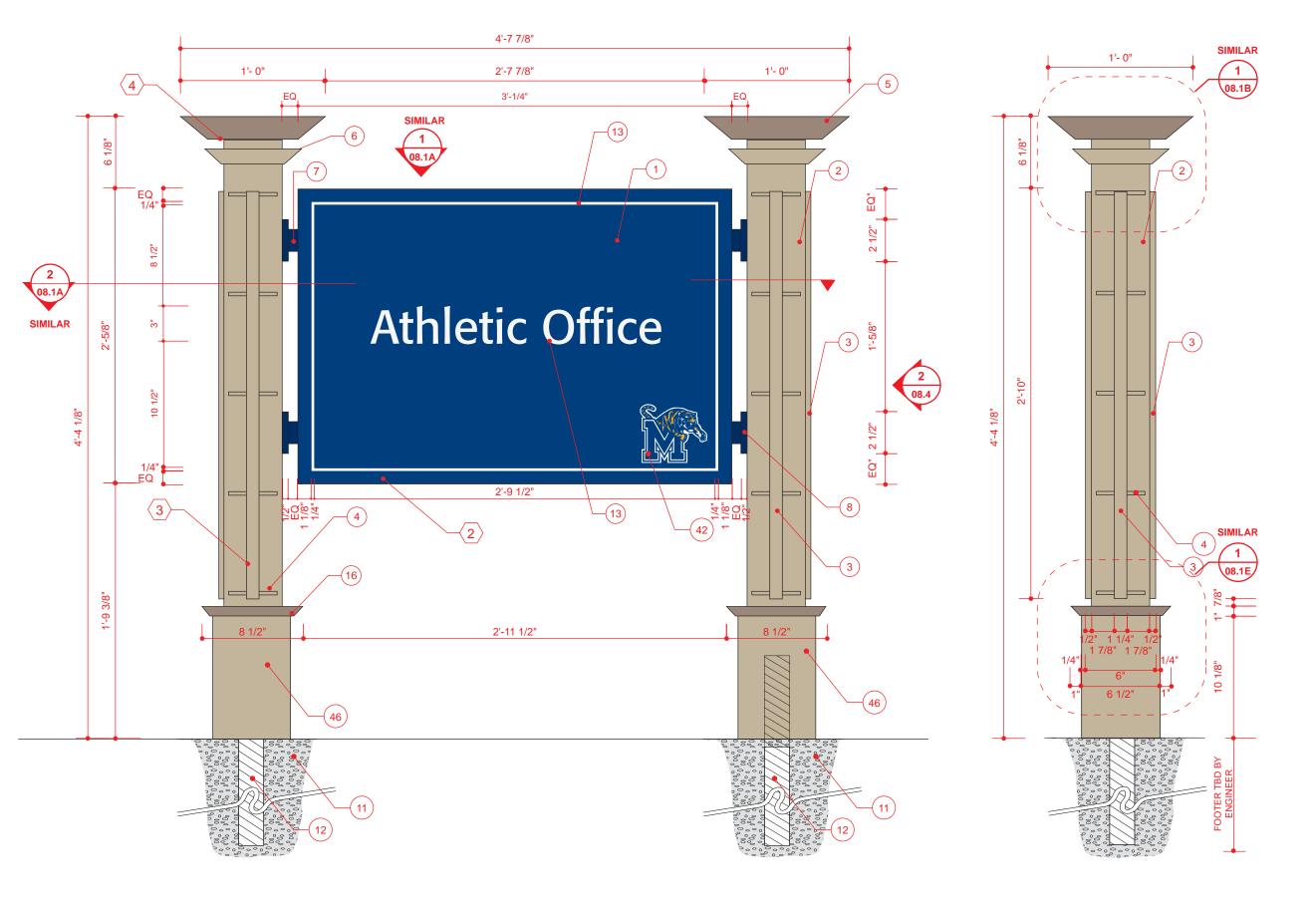
DRAWN BY CHECKED BY FAS 05-05-11 BJM 05-05-11 ISSUED FOR / DATE CONSTRUCTION DOCUMENTS 06-15-11 REVISION NUMBER REVISION 🛕 04-18-12 **REVISION** 01-31-13 DRAWING TITLE FREESTANDING BUILDING IDENTIFICATION BASE ACCENT DETAIL NOTES OWNER UNIVERSITY OF MEMPHIS **MEMPHIS, TN 38152** APPROVAL / DATE PROJECT NUMBER 1009.07 SIGN TYPE SHEET NO.

SCALE: 1" = 1"

08.1E







DRAWN BY FAS 05-05-11 ISSUED FOR / DATE CONSTRUCTION DOCUMENTS REVISION NUMBER REVISION REVISION DRAWING TITLE FREESTANDING BUILDING IDENTIFICATION SMALL WITH ATHLETIC LOGO NOTES

CHECKED BY

BJM 05-05-11

06-15-11

04-18-12

01-31-13

OWNER

UNIVERSITY OF MEMPHIS **MEMPHIS, TN 38152**

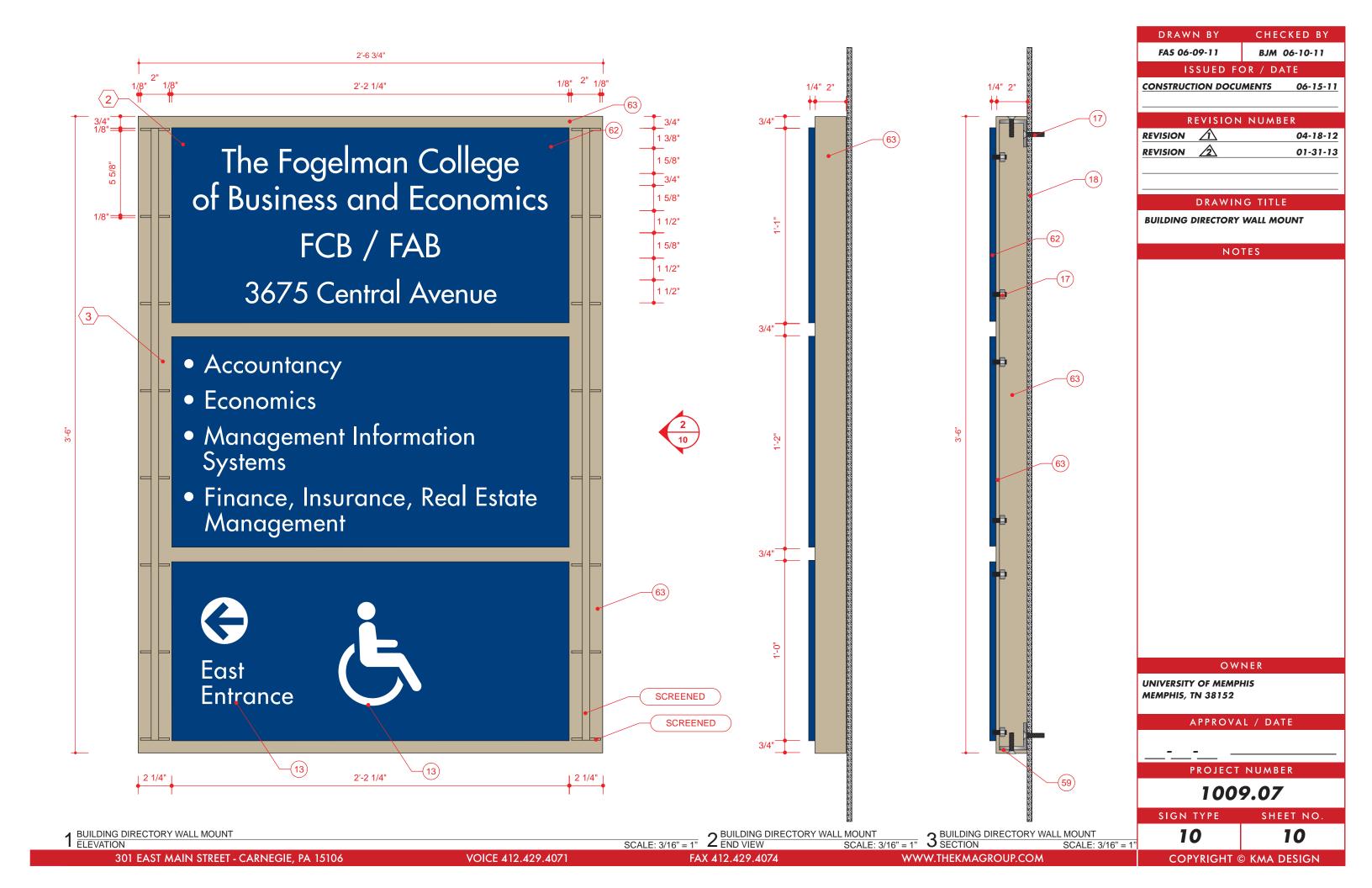
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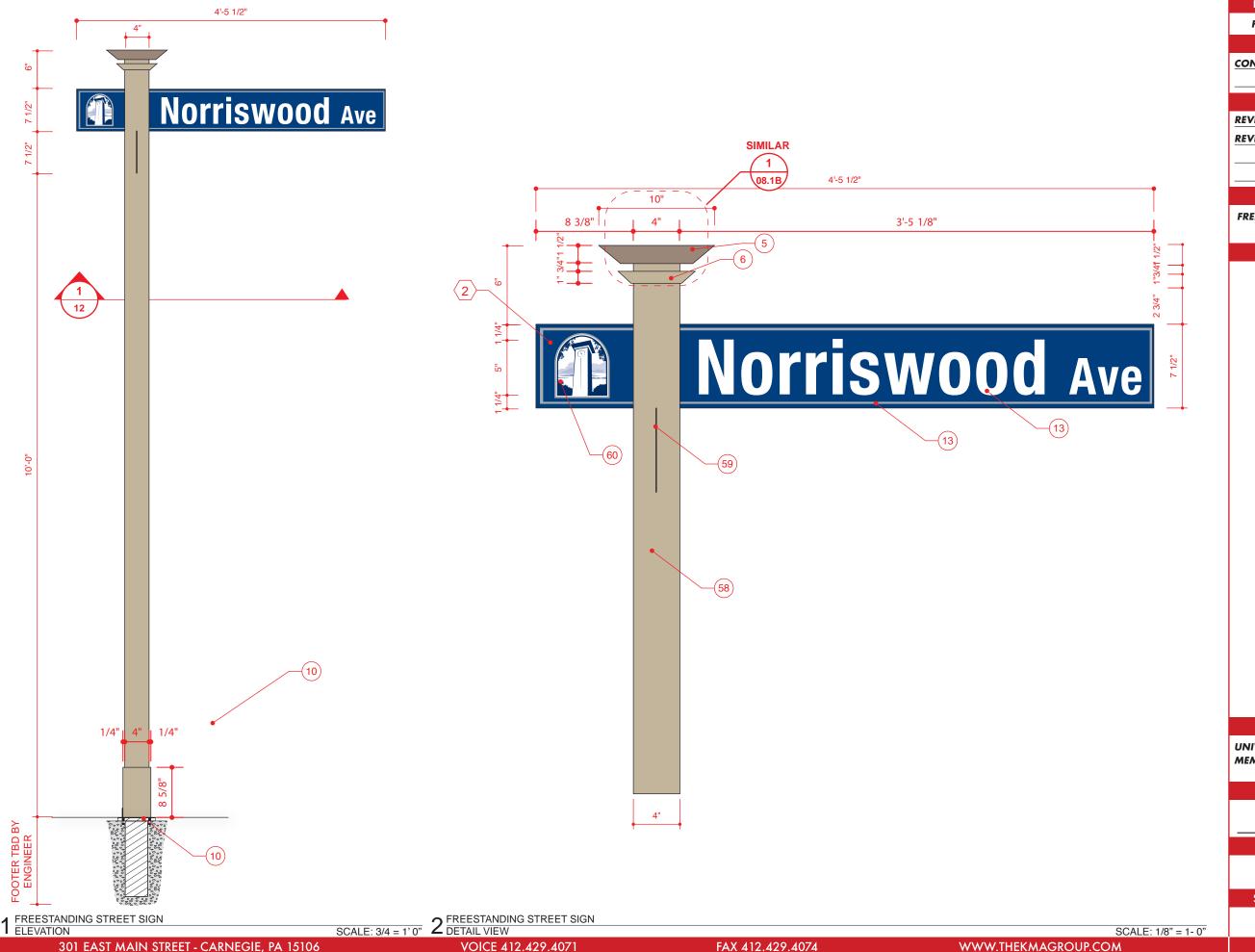
PROJECT NUMBER

1009.07

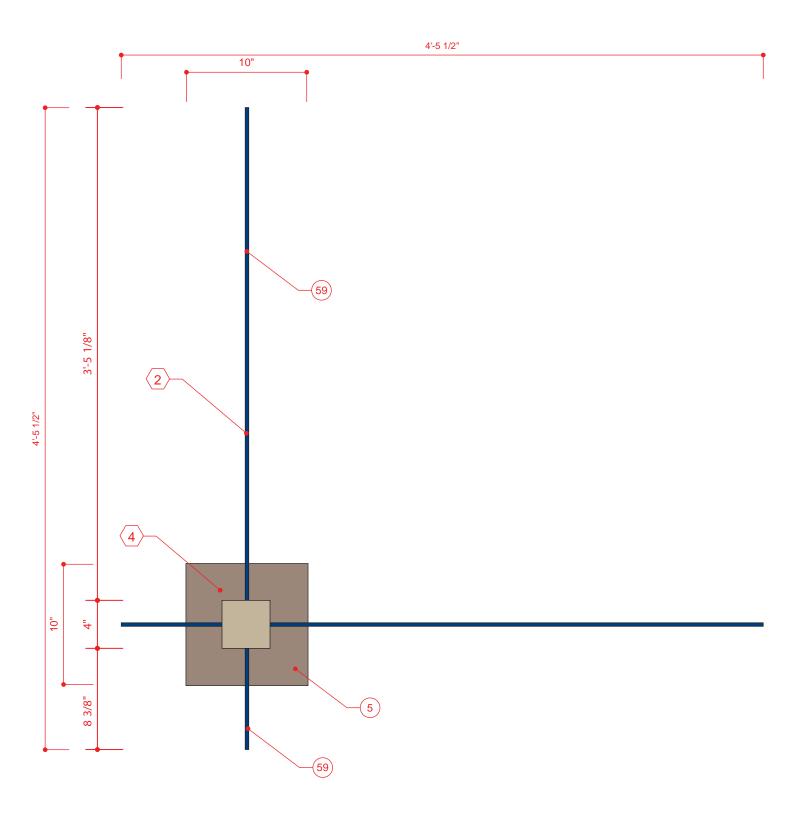
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DRAWN BY CHECKED BY FAS 06-09-11 BJM 06-10-11 ISSUED FOR / DATE CONSTRUCTION DOCUMENTS REVISION NUMBER REVISION 1 04-18-12 REVISION 01-31-13 DRAWING TITLE FREESTANDING STREET SIGN NOTES OWNER **UNIVERSITY OF MEMPHIS MEMPHIS, TN 38152** PROJECT NUMBER 1009.07 SHEET NO. SIGN TYPE 11 **11** COPYRIGHT © KMA DESIGN



DRAWN BY CHECKED BY FAS 06-09-11 BJM 06-10-11 ISSUED FOR / DATE CONSTRUCTION DOCUMENTS 06-15-11 REVISION NUMBER REVISION 🛕 04-18-12 REVISION 🖄 01-31-13 DRAWING TITLE STREET SIGN MULTI-BLADE NOTES OWNER UNIVERSITY OF MEMPHIS **MEMPHIS, TN 38152** APPROVAL / DATE PROJECT NUMBER 1009.07 SIGN TYPE SHEET NO. 12 12

1 STREET SIGN MULTI-BLADE ELEVATION

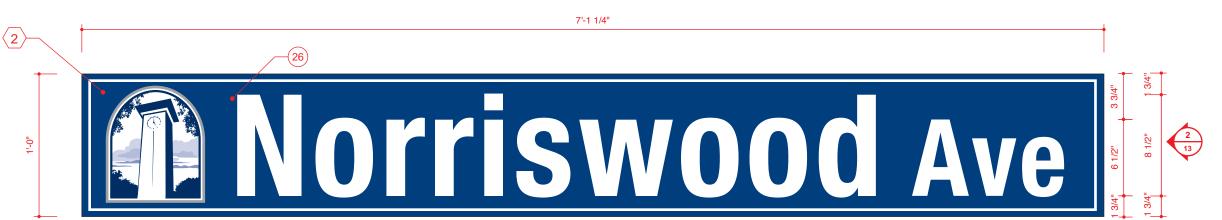
301 EAST MAIN STREET - CARNEGIE, PA 15106

VOICE 412.429.4071

FAX 412.429.4074

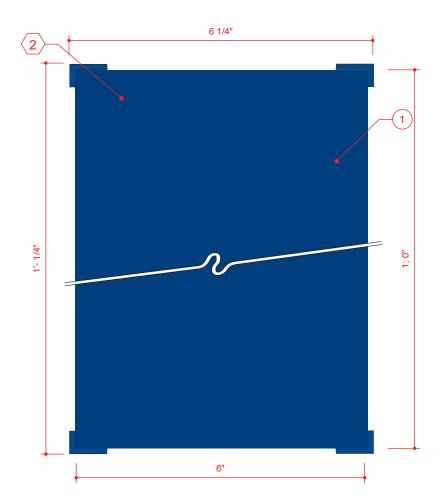
SCALE: 1/8" = 1"
WWW.THEKMAGROUP.COM

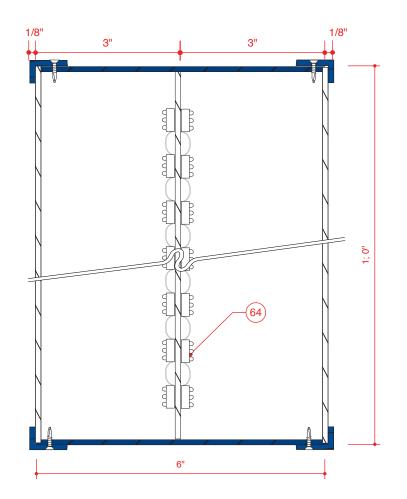
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1 STREET SIGN OVERHEAD ELEVATION

SCALE: 1 1/2" = 1'0"





SCALE: 1 1/2" = 1-0"

3 STREET SIGN OVERHEAD
SECTION VIEW 2 STREET SIGN OVERHEAD END VIEW

SCALE: 1 1/2" = 1-0"

DRAWN BY CHECKED BY FAS 06-09-11 BJM 06-10-11 ISSUED FOR / DATE CONSTRUCTION DOCUMENTS 06-15-11 REVISION NUMBER REVISION 1 04-18-12 REVISION 01-31-13 DRAWING TITLE

NOTES

STREET SIGN OVERHEAD

OWNER

UNIVERSITY OF MEMPHIS MEMPHIS, TN 38152

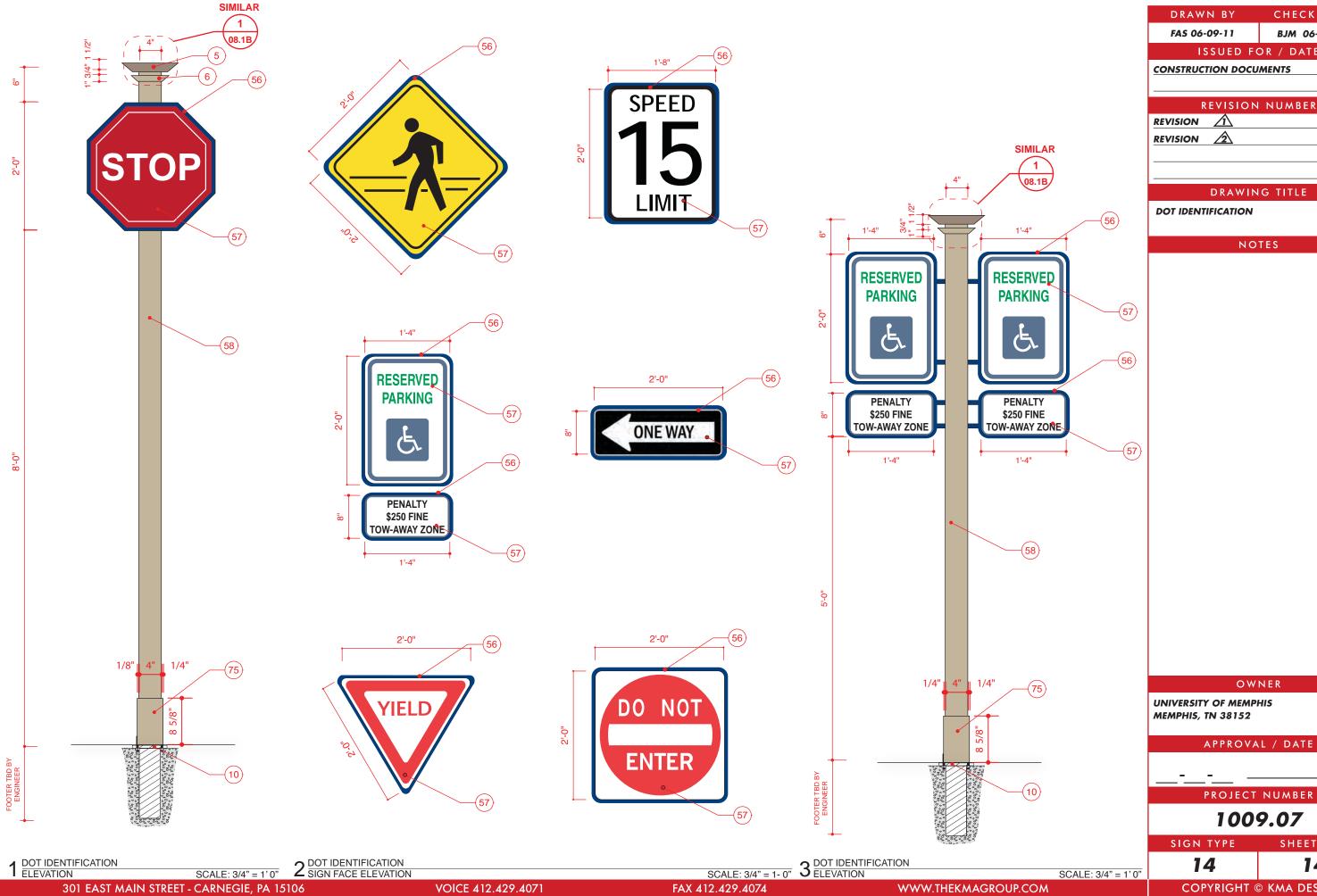
APPROVAL / DATE

PROJECT NUMBER 1009.07

SIGN TYPE 13

SHEET NO. 13

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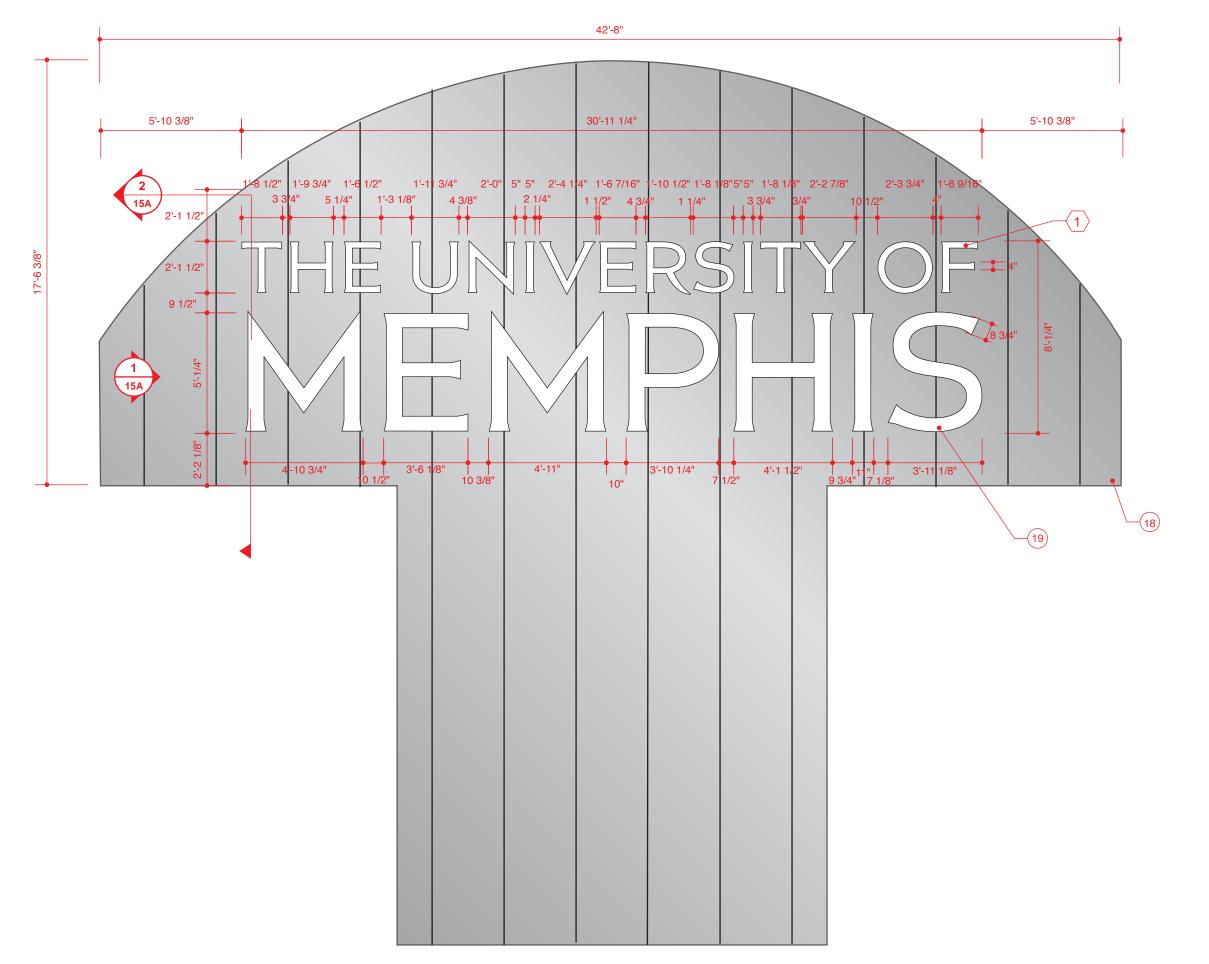


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SHEET NO.

14

1009.07



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FAS 04-21-11

BJM 04-21-11

ISSUED FOR / DATE

CONSTRUCTION DOCUMENTS 06-15-11

REVISION NUMBER

 REVISION
 1
 04-18-12

 REVISION
 2
 01-31-13

DRAWING TITLE

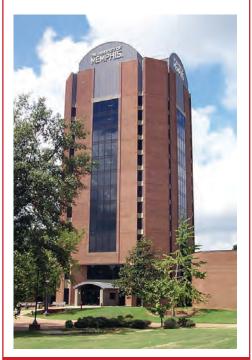
WILDER TOWER CHANNEL LETTERS
QUANTITY 2 SETS

NOTES

POLYCARBONATE FACES SHALL HAVE NO SEAMS

FABRICATOR TO VERIFY EXISTING CONDITIONS AND SIZES

FABRICATOR TO PROVIDE SIGNED AND SEALED STRUCTURAL DRAWINGS



OWNER

UNIVERSITY OF MEMPHIS MEMPHIS, TN 38152

APPROVAL / DATE

PROJECT NUMBER

1009.07

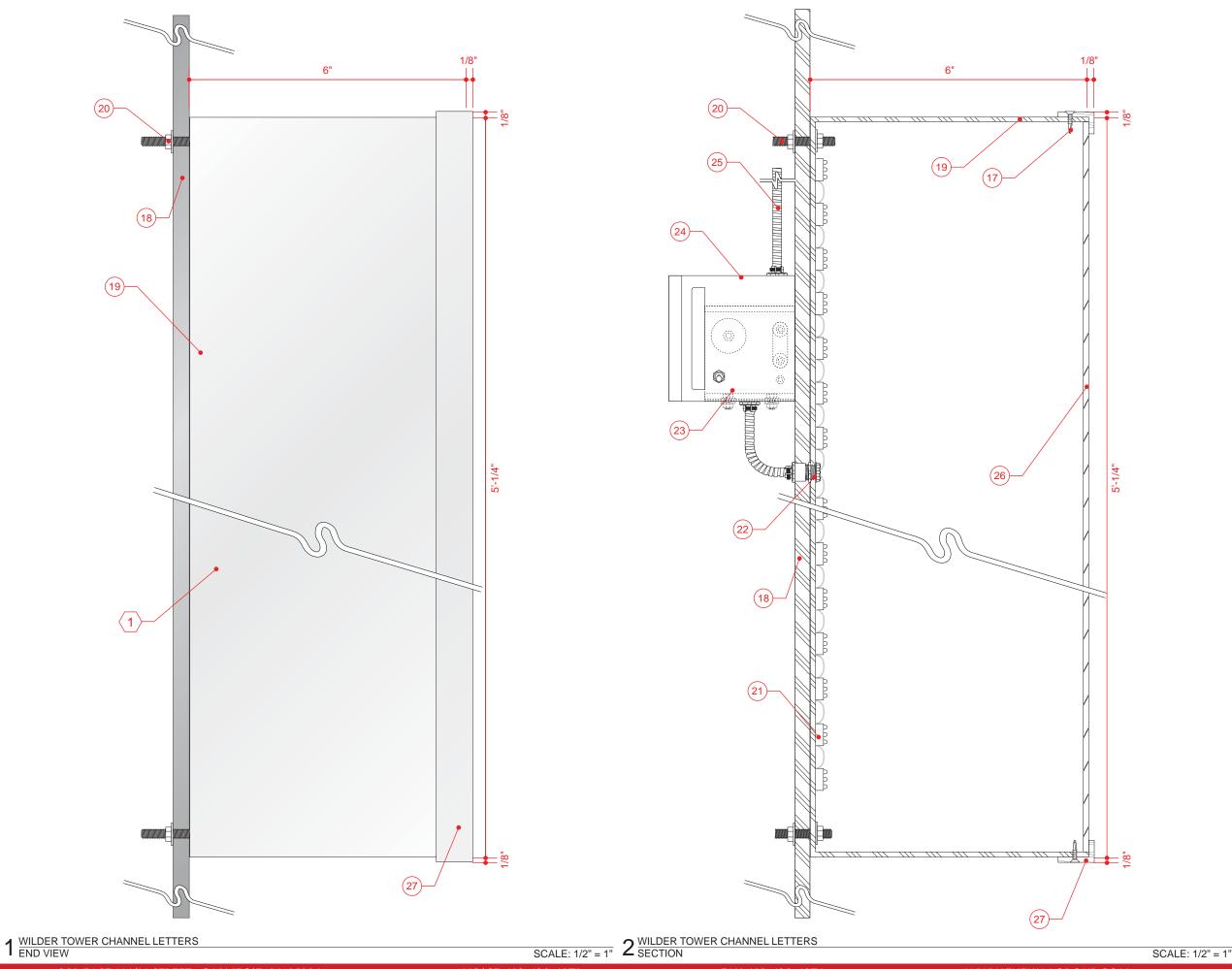
SIGN TYPE

SHEET NO.

15

SCALE: 1/4" = 1' - 0"

15



DRAWN BY FAS 04-21-11 BJM 04-21-11

ISSUED FOR / DATE

CONSTRUCTION DOCUMENTS 06-15-11

REVISION NUMBER

 REVISION
 1
 04-18-12

 REVISION
 2
 01-31-13

DRAWING TITLE

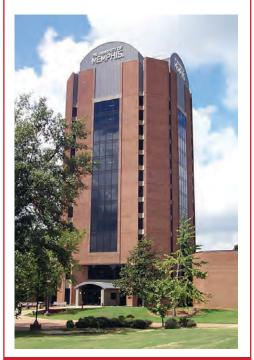
WILDER TOWER CHANNEL LETTERS
QUANTITY 2 SETS

NOTES

POLYCARBONATE FACES SHALL HAVE NO SEAMS

FABRICATOR TO VERIFY EXISTING CONDITIONS AND SIZES

FABRICATOR TO PROVIDE SIGNED AND SEALED STRUCTURAL DRAWINGS



OWNER

UNIVERSITY OF MEMPHIS MEMPHIS, TN 38152

APPROVAL / DATE

PROJECT NUMBER

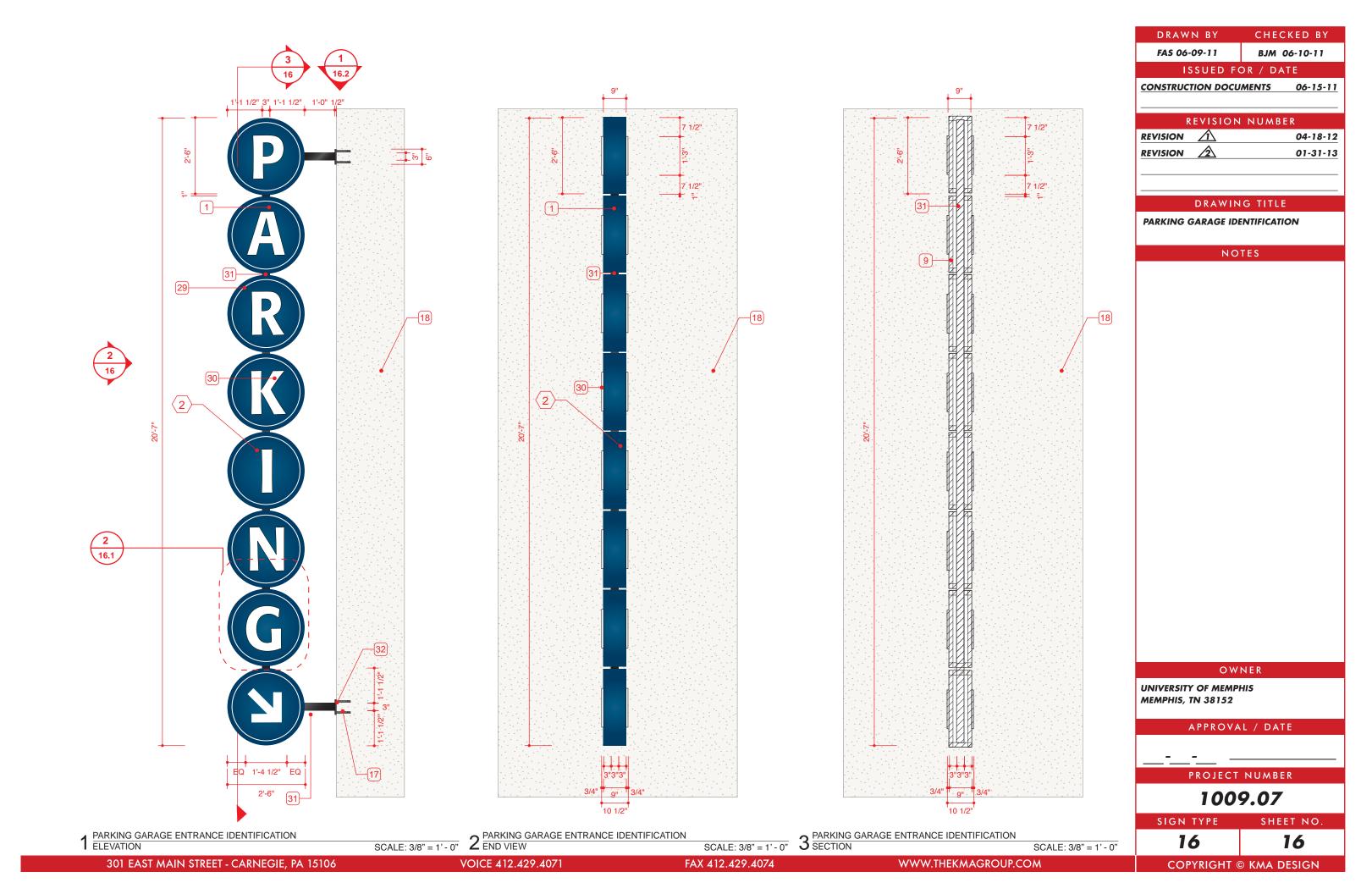
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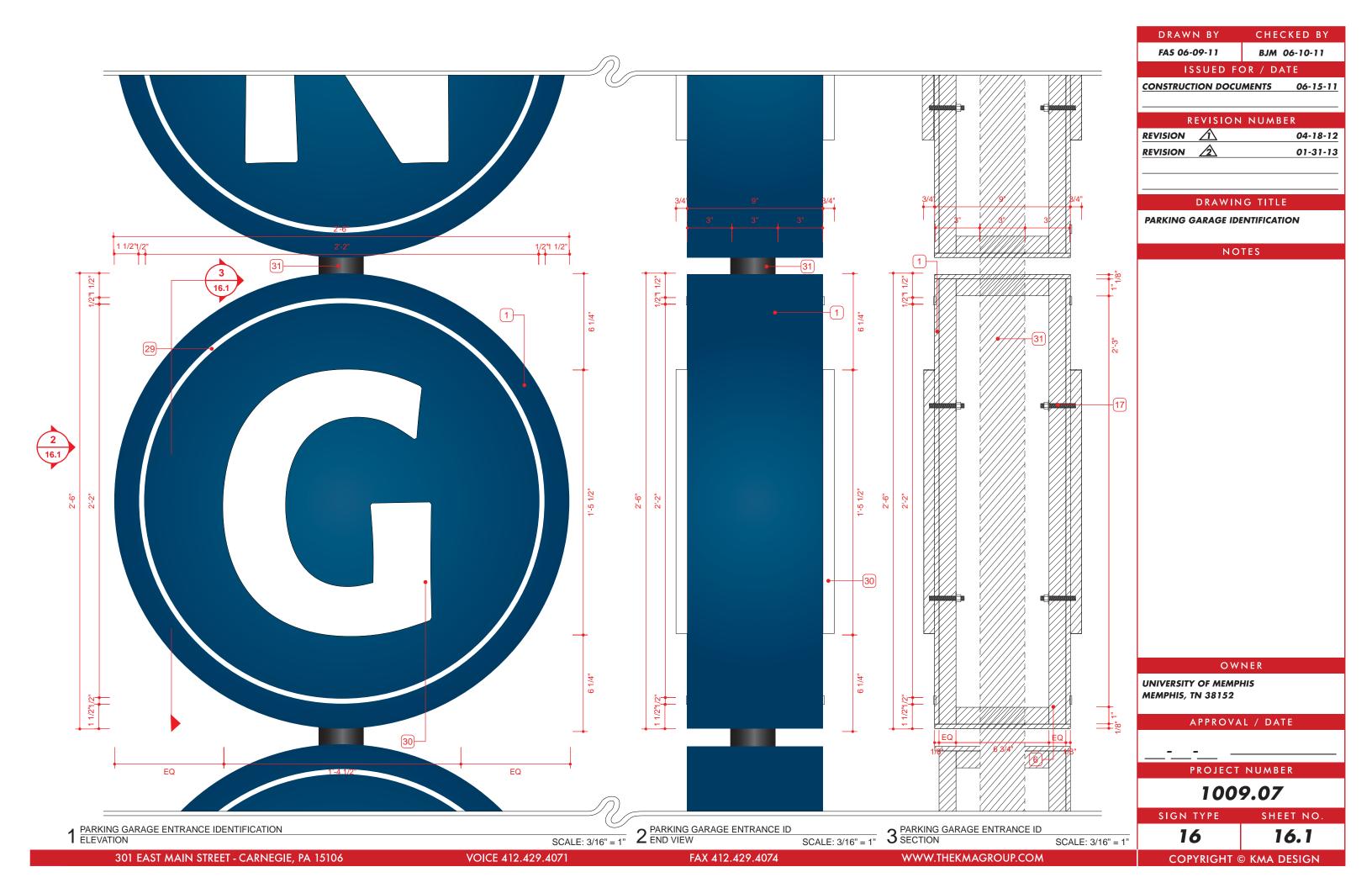
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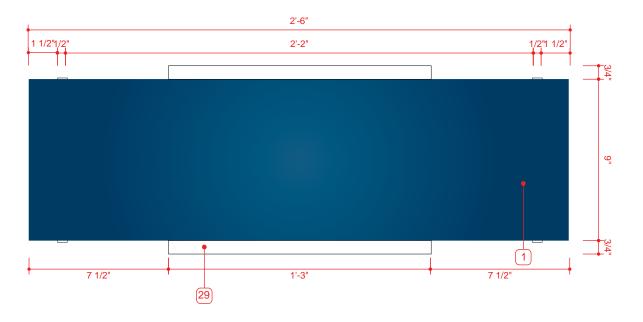
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15

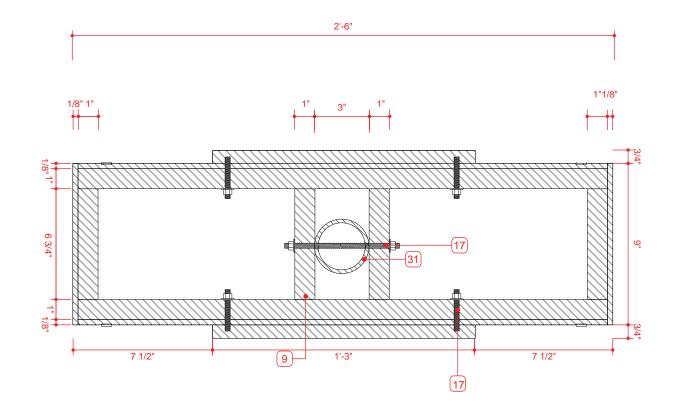
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1 PARKING GARAGE ENTRANCE IDENTIFICATION PLAN VIEW



OWNER UNIVERSITY OF MEMPHIS **MEMPHIS, TN 38152** APPROVAL / DATE PROJECT NUMBER 1009.07 SIGN TYPE SHEET NO. 16 16.2 SCALE: 3/16" = 1" COPYRIGHT © KMA DESIGN

DRAWN BY

FAS 06-09-11

REVISION 🛕

REVISION

SCALE: 3/16" = 1"

CHECKED BY

BJM 06-10-11

04-18-12

01-31-13

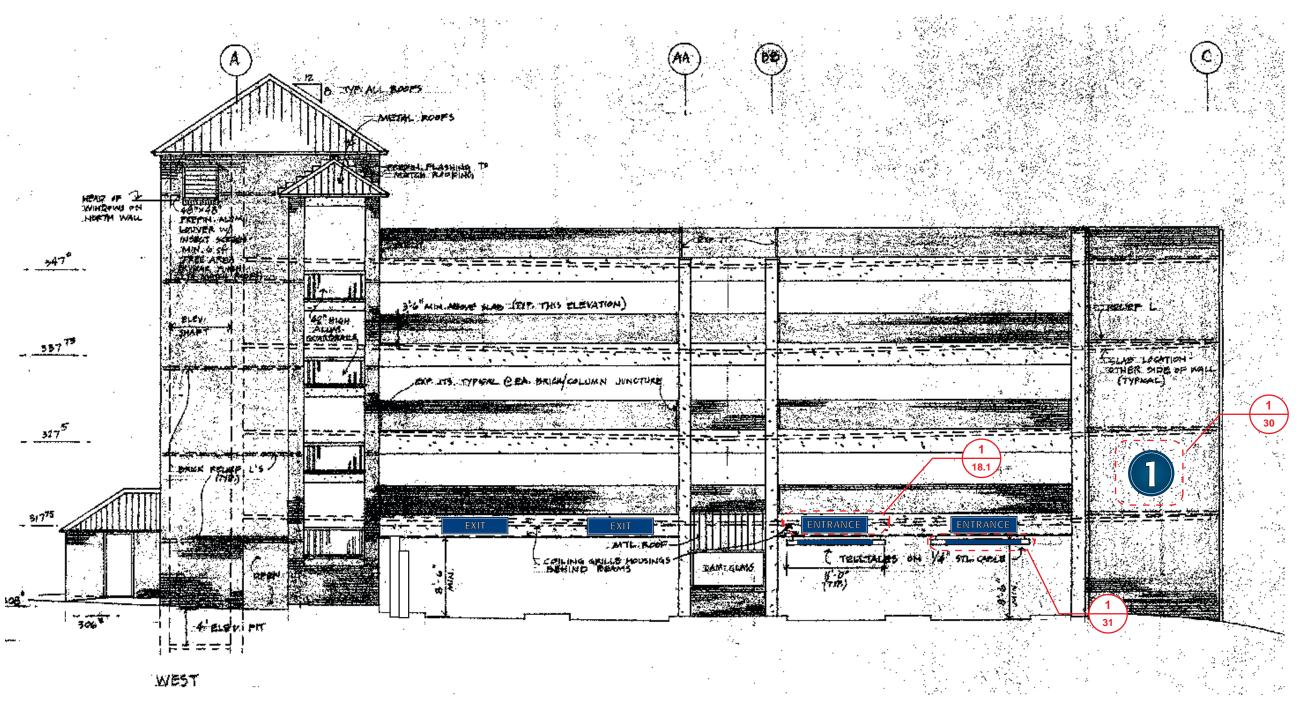
ISSUED FOR / DATE CONSTRUCTION DOCUMENTS 06-15-11

REVISION NUMBER

DRAWING TITLE

NOTES

PARKING GARAGE IDENTIFICATION



DRAWN BY FAS 06-09-11 BJM 06-10-11

ISSUED FOR / DATE

CONSTRUCTION DOCUMENTS 06-15-11

REVISION NUMBER

 REVISION
 ⚠
 04-18-12

 REVISION
 ⚠
 01-31-13

DRAWING TITLE

PARKING GARAGE IDENTIFICATION

NOTES

- 29. 1/2" ACCENT LINE PAINTED WHITE
- 30. 1" WHITE PVC
- 31. 3" STEEL SUPPORT TUBE THROUGH ALL SEVEN INDIVIDUAL CANS PAINTED PMS BLACK
- 32. 6" X 6" X 1/2" STEEL MOUNTING
 PLATE PAINTED BLACK

OWNER

UNIVERSITY OF MEMPHIS MEMPHIS, TN 38152

APPROVAL / DATE

PROJECT NUMBER

1009.07

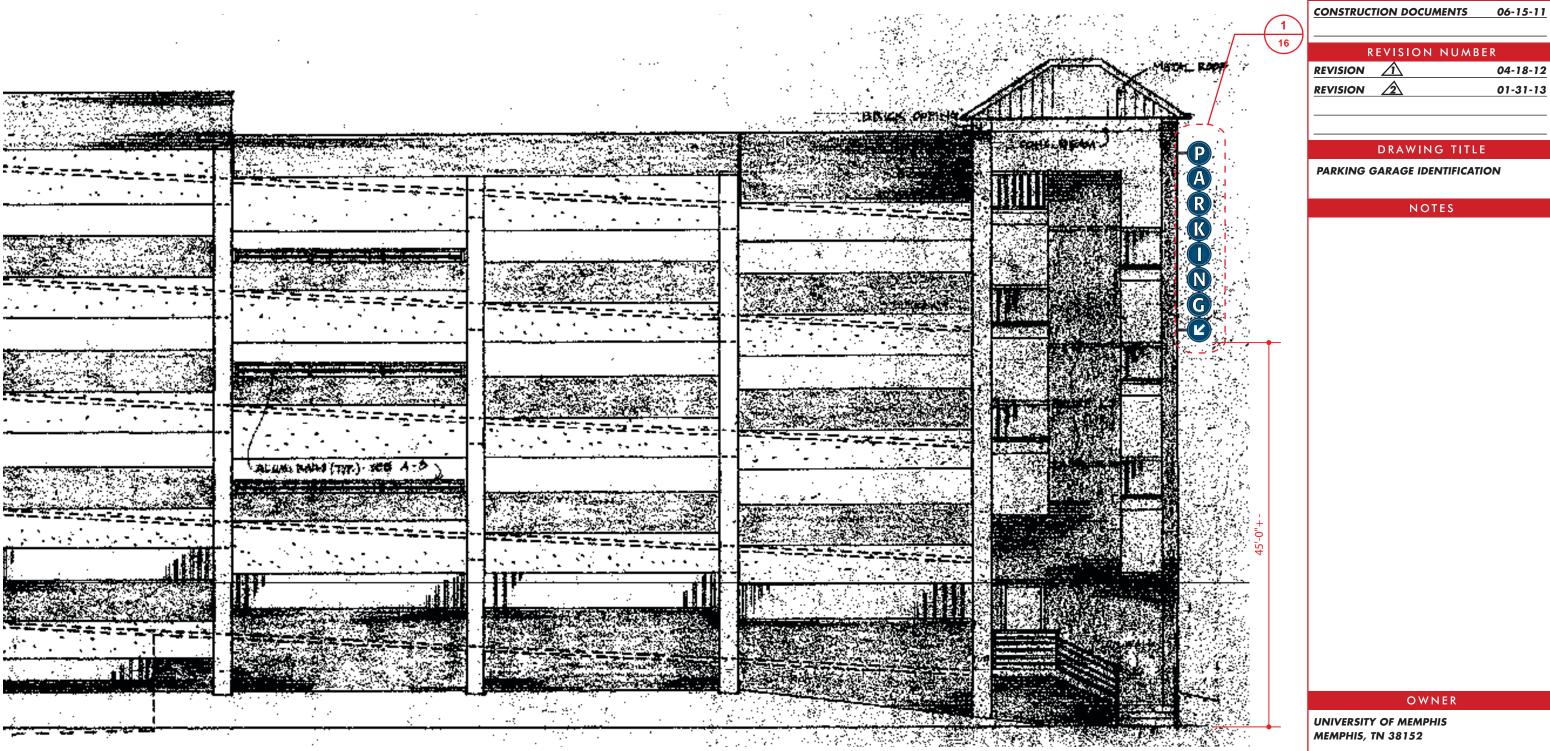
SIGN TYPE

SCALE: NTS

SHEET NO.

18.1-30-31

)-31 16.3



DRAWN BY FAS 06-09-11 CHECKED BY BJM 06-10-11

ISSUED FOR / DATE

REVISION NUMBER

REVISION 1 04-18-12 REVISION 01-31-13

DRAWING TITLE

PARKING GARAGE IDENTIFICATION

NOTES

OWNER

UNIVERSITY OF MEMPHIS **MEMPHIS, TN 38152**

APPROVAL / DATE

PROJECT NUMBER

1009.07

SIGN TYPE

SHEET NO.

16

SCALE: NTS

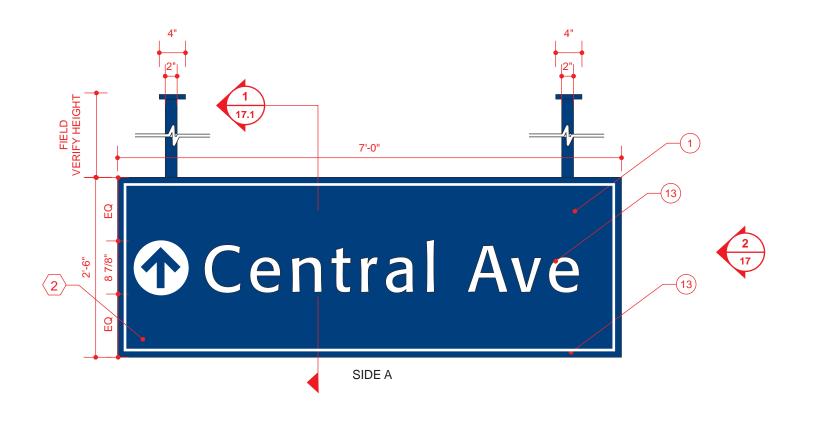
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PARKING GARAGE ENTRANCE IDENTIFICATION

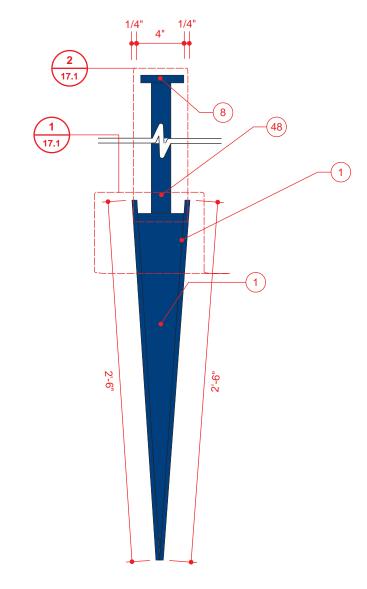
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FAS 06-09-11 BJM 06-10-11

ISSUED FOR / DATE

CONSTRUCTION DOCUMENTS 06-15-11

REVISION NUMBER

REVISION 1 04-18-12

REVISION 2 01-31-13

DRAWING TITLE

PARKING DIRECTIONAL

OWNER

UNIVERSITY OF MEMPHIS MEMPHIS, TN 38152

APPROVAL / DATE

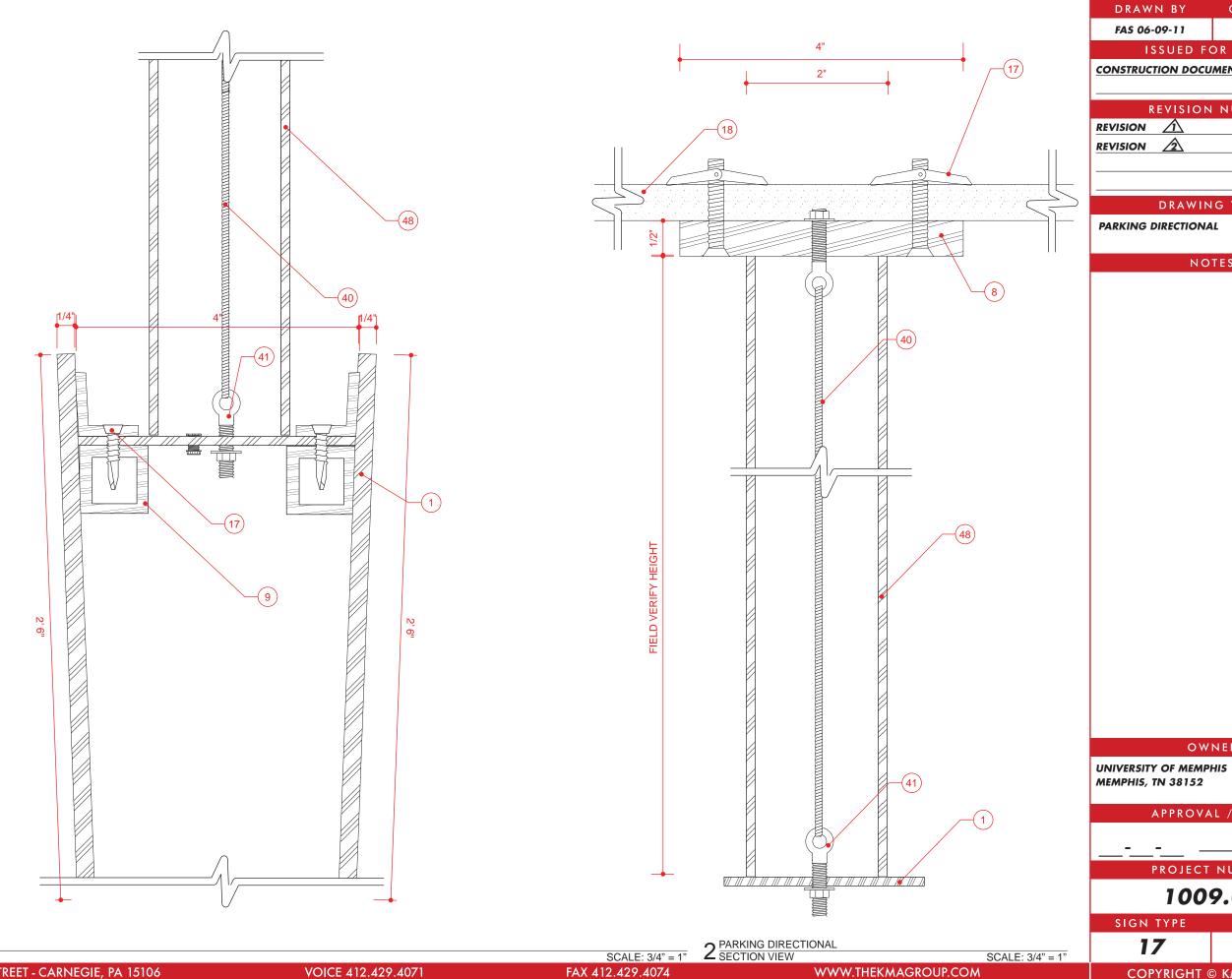
PROJECT NUMBER

1009.07

SIGN TYPE SHEET NO.

17 17

PARKING DIRECTIONAL SCALE: 3/4" = 1-0"



CHECKED BY BJM 06-10-11

ISSUED FOR / DATE

CONSTRUCTION DOCUMENTS 06-15-11

REVISION NUMBER

04-18-12

01-31-13

DRAWING TITLE

NOTES

OWNER

MEMPHIS, TN 38152

APPROVAL / DATE

PROJECT NUMBER

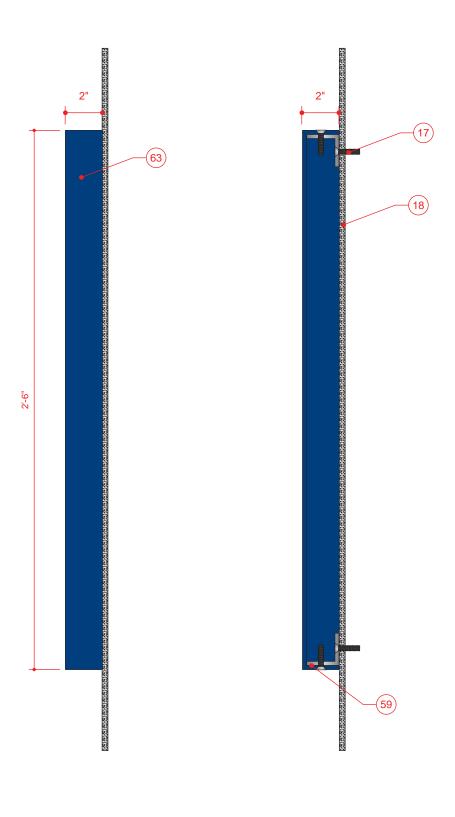
1009.07

SHEET NO.

17.1

1 PARKING DIRECTIONAL SECTION VIEW





DRAWN BY CHECKED BY FAS 06-09-11 BJM 06-10-11 ISSUED FOR / DATE CONSTRUCTION DOCUMENTS REVISION NUMBER REVISION 1 04-18-12 DRAWING TITLE PARKING INFORMATIONAL **WALL MOUNT** OWNER **UNIVERSITY OF MEMPHIS MEMPHIS, TN 38152** PROJECT NUMBER 1009.07 SIGN TYPE SHEET NO.

1 PARKING INFORMATIONAL

ELEVATION

SCALE: 3/4" = 1'0"

2 PARKING INFORMATIONAL END VIEW

SCALE: 3/16" = 1" 3 PARKING INFORMATIONAL SECTION

SCALE: 3/16" = 1"

18

301 EAST MAIN STREET - CARNEGIE, PA 15106

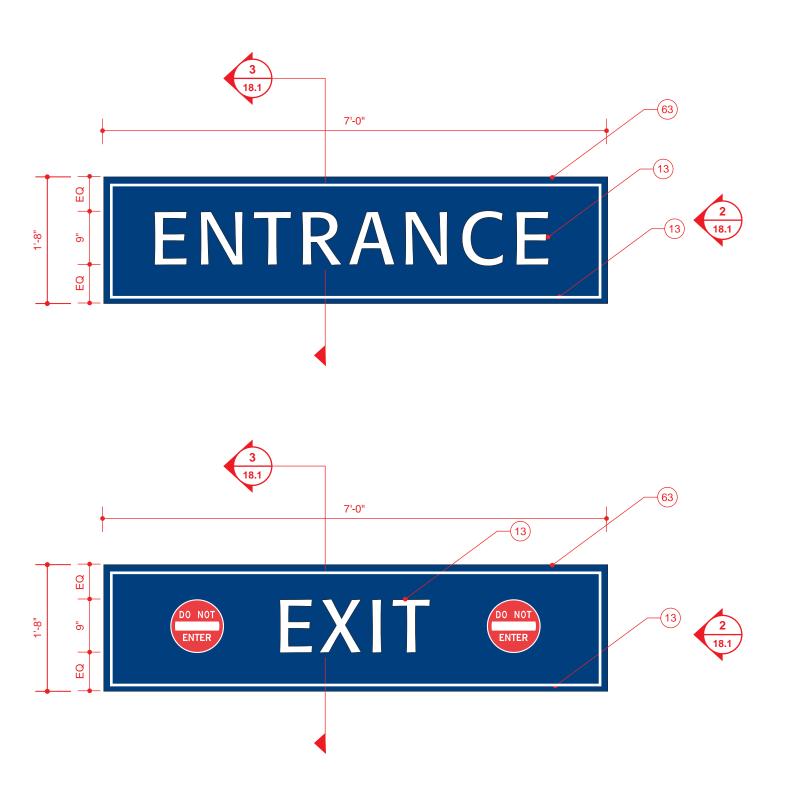
VOICE 412.429.4071

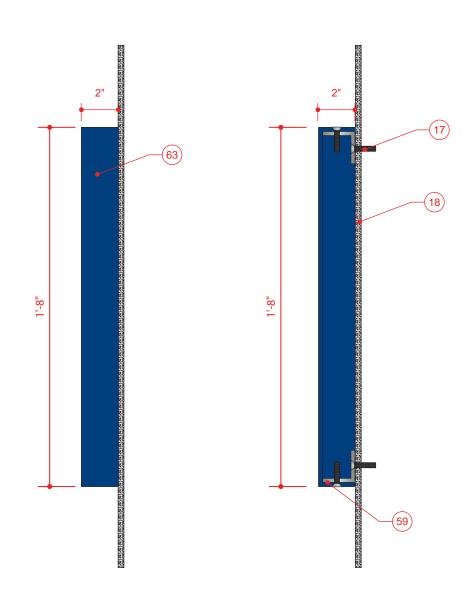
FAX 412.429.4074

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18





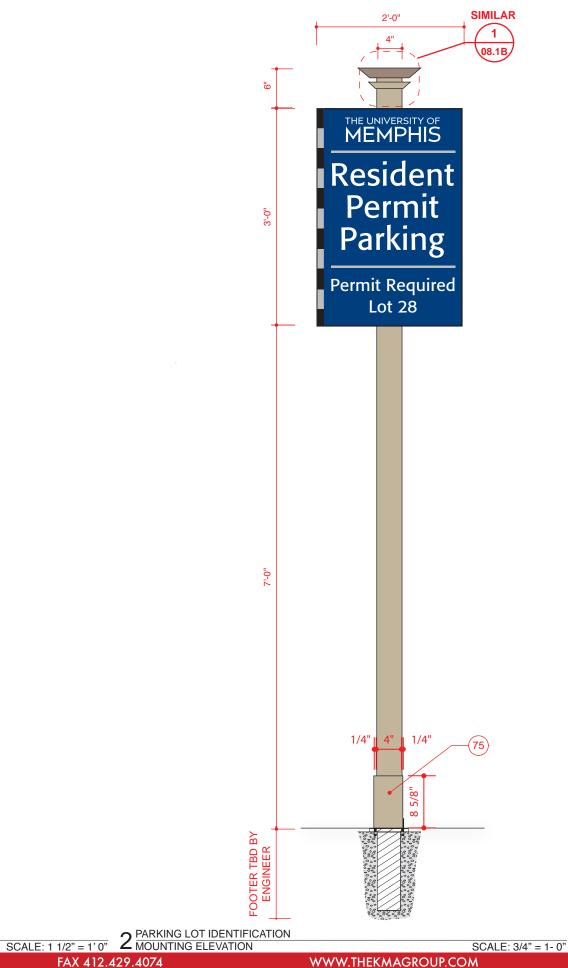
DRAWN BY CHECKED BY FAS 06-09-11 BJM 06-10-11 ISSUED FOR / DATE CONSTRUCTION DOCUMENTS 06-15-11 REVISION NUMBER REVISION 1 04-18-12 REVISION 01-31-13 DRAWING TITLE PARKING INFORMATIONAL **WALL MOUNT** NOTES OWNER **UNIVERSITY OF MEMPHIS MEMPHIS, TN 38152** APPROVAL / DATE PROJECT NUMBER 1009.07

SIGN TYPE SCALE: 3/16" = 1" 3 PARKING INFORMATIONAL SECTION

VOICE 412.429.4071

SHEET NO.





DRAWN BY CHECKED BY FAS 06-09-11 BJM 06-10-11 ISSUED FOR / DATE CONSTRUCTION DOCUMENTS 06-15-11 REVISION NUMBER REVISION 04-18-12 REVISION 01-31-13 DRAWING TITLE PARKING LOT IDENTIFICATION NOTES OWNER **UNIVERSITY OF MEMPHIS MEMPHIS, TN 38152** APPROVAL / DATE PROJECT NUMBER 1009.07 SIGN TYPE SHEET NO. 19 19 **COPYRIGHT © KMA DESIGN**



DRAWN BY FAS 06-09-11

BJM 06-10-11

CHECKED BY

ISSUED FOR / DATE

CONSTRUCTION DOCUMENTS 06-15-1

REVISION NUMBER

 REVISION
 1
 04-18-12

 REVISION
 2
 01-31-13

DRAWING TITLE

EVENT BANNER LARGE

NOTES



OWNER

UNIVERSITY OF MEMPHIS MEMPHIS, TN 38152

APPROVAL / DATE

PROJECT NUMBER

1009.07

SIGN TYPE

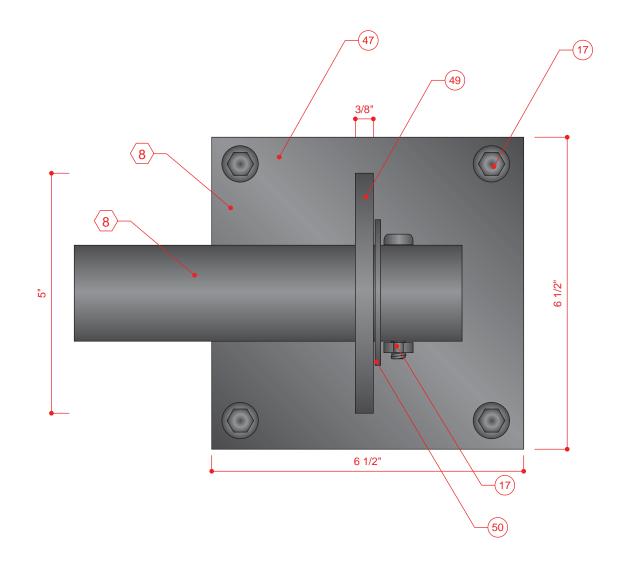
SHEET NO.

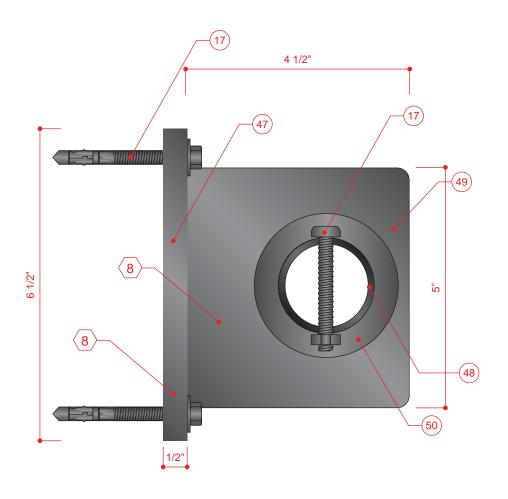
20

20

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SCALE: 1/2" = 1'0"





DRAWN BY CHECKED BY FAS 06-09-11 BJM 06-10-11 ISSUED FOR / DATE CONSTRUCTION DOCUMENTS 06-15-11 REVISION NUMBER REVISION 🛕 04-18-12 REVISION 01-31-13 DRAWING TITLE **EVENT BANNER BRACKET DETAIL** NOTES

OWNER

UNIVERSITY OF MEMPHIS MEMPHIS, TN 38152

APPROVAL / DATE

PROJECT NUMBER

1009.07

SIGN TYPE SHEET NO.

20 / 21 21.1



FAX 412.429.4074

DRAWN BY FAS 06-09-11 CHECKED BY BJM 06-10-11

ISSUED FOR / DATE

CONSTRUCTION DOCUMENTS 06-15-11

REVISION NUMBER

REVISION 🛕 04-18-12 REVISION 01-31-13

DRAWING TITLE

EVENT BANNER SMALL

NOTES



OWNER

UNIVERSITY OF MEMPHIS **MEMPHIS, TN 38152**

APPROVAL / DATE

PROJECT NUMBER

1009.07

SIGN TYPE

SHEET NO.

21

21



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ISSUED FOR / DATE

REVISION NUMBER

REVISION 🛕 04-18-12 REVISION 01-31-13

DRAWING TITLE

BANNER POLE MOUNT

NOTES

OWNER

UNIVERSITY OF MEMPHIS **MEMPHIS, TN 38152**

APPROVAL / DATE

PROJECT NUMBER

1009.07

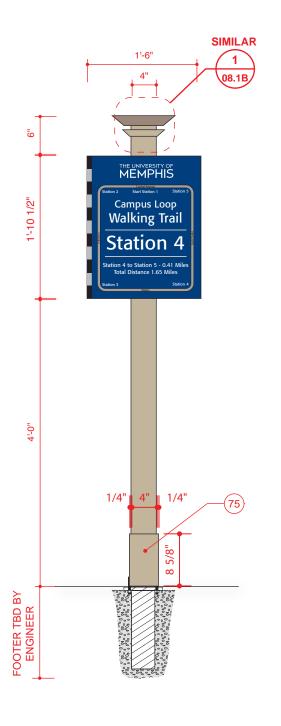
SIGN TYPE

SHEET NO.

22

22





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OWNER

UNIVERSITY OF MEMPHIS MEMPHIS, TN 38152

APPROVAL / DATE

PROJECT NUMBER

1009.07

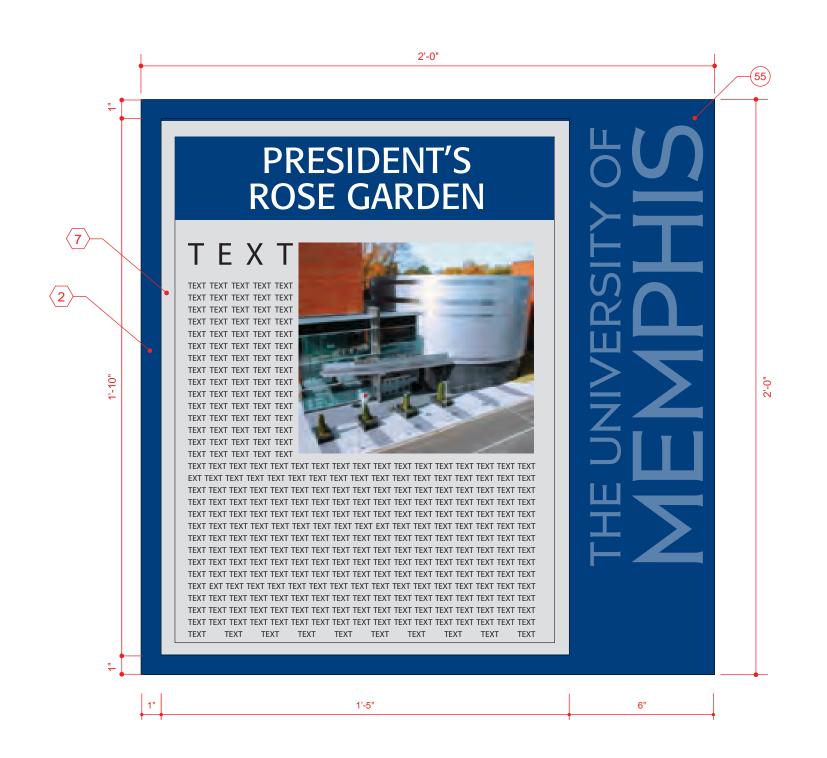
SIGN TYPE

SHEET NO.

23

23

SCALE: 3/4" = 1' - 1"



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1 HISTORIC MARKER GROUND ELEVATION

301 EAST MAIN STREET - CARNEGIE, PA 15106

VOICE 412.429.4071

FAX 412.429.4074

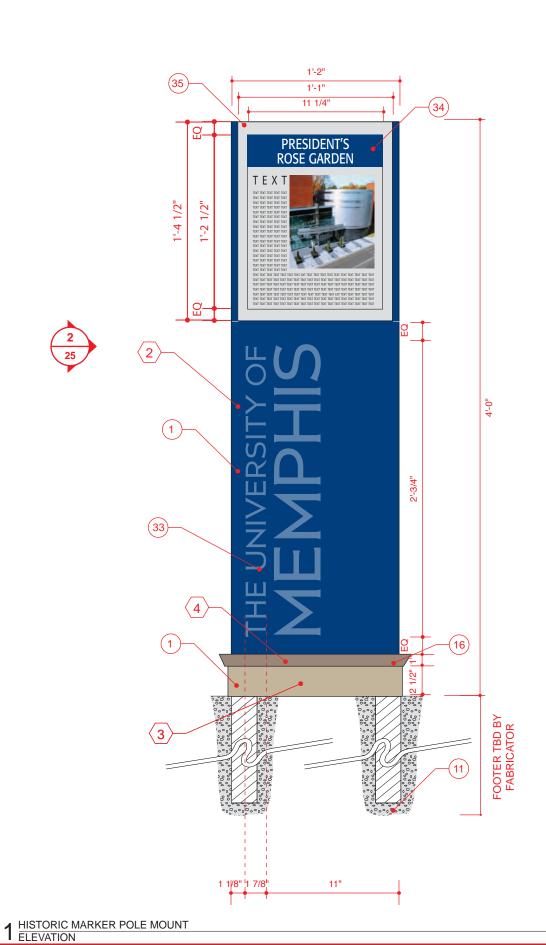
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24

24

SCALE:3" = 1"



1'-1/8"

SCALE: 1 1/2" = 1'0" 2 HISTORIC MARKER POLE MOUNT END VIEW

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FAX 412.429.4074

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301 EAST MAIN STREET - CARNEGIE, PA 15106

SCALE: 1 1/2" = 1-0"

OWNER UNIVERSITY OF MEMPHIS MEMPHIS, TN 38152

DRAWN BY

FAS 06-09-11

REVISION 🛕

REVISION

CHECKED BY

BJM 06-10-11

04-18-12

01-31-13

ISSUED FOR / DATE

CONSTRUCTION DOCUMENTS 06-15-11

REVISION NUMBER

DRAWING TITLE

NOTES Where a forward reach is unobstructed, the high forward reach shall be 48 inches (1220 mm) maximum and the low forward reach shall be 15 inches (380 mm) minimum

HISTORIC MARKER POLE MOUNT

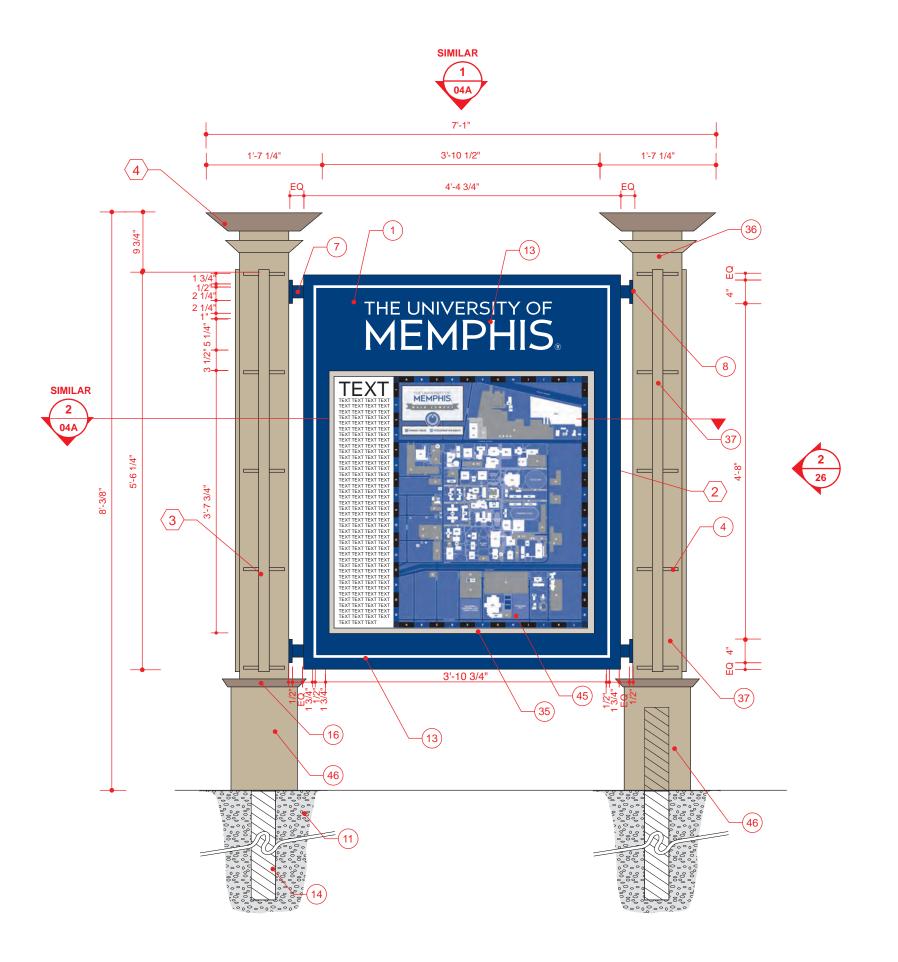
above the finish floor or ground.

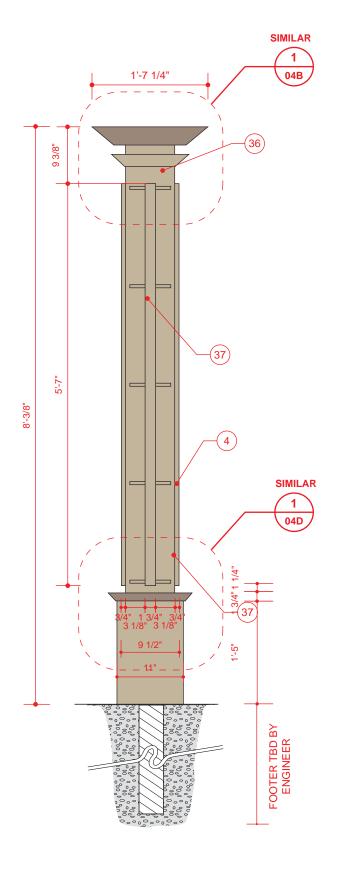
APPROVAL / DATE

PROJECT NUMBER 1009.07

SIGN TYPE

SHEET NO. **25 25**





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BJM 04-21-11

ISSUED FOR / DATE

CONSTRUCTION DOCUMENTS 06-15-11

REVISION NUMBER

REVISION 04-18-12 **REVISION** 01-31-13

DRAWING TITLE

CAMPUS DIRECTORY FREE STANDING

NOTES

- THE MAP AND UNIVERSITY OF MEMPHIS ARE TO BE BACK ILLUMINATED USING LED LIGHTING.
- ARTWORK FOR THE MAP WITH NORTH ORIENTATION WILL BE PROVIDED BY THE UNIVERSITY. FOR ALL OTHER MAP ORIENTATIONS, THE MAP SHALL BE PROVIDED BY THE FABRICATOR.
- SIGN IS THE DOUBLE-FACED.
- SIGN IS TO BE VENTILATED AS REQUIRED TO ACCOMMODATE LED LIGHTING.
- SIGN LIGHTING SHALL BE LED LIGHTING.
- SIGN SHALL HAVE EASY ACCESS TO LIGHTING DRIVER AND LAMPS FOR MAINTENANCE PURPOSED, ACCESS SHALL BE VANDAL RESISTANT.
- FABRICATOR TO PROVIDE CONSTRUCTION DRAWINGS FOR SUBMITTAL AND APPROVAL BY THE UNIVERSITY OF MEMPHIS.
- UNIVERSITY OF MEMPHIS SHALL PROVIDE **ELECTRICAL POWER TO THE SITE. CONTRACTOR** SHALL BE RESPONSIBLE FOR ALL ELECTRICAL PERMITS AND CONNECTIONS.
- FABRICATOR SHALL MATCH EXISTING PAINT, PAINT COLOR, AND TEXTURED SURFACES OF EXISTING SIGNS. SAMPLES OF EACH SHALL BE SUBMITTED TO THE UNIVERSITY OF MEMPHIS FOR APPROVAL.
- 10. ALL FREE-STANDING DIRECTORY SIGNS WILL BE LOCATED IN EXISTING CONCRETE WALK AREAS.

OWNER

UNIVERSITY OF MEMPHIS MEMPHIS, TN 38152

APPROVAL / DATE

PROJECT NUMBER

1009.07

SHEET NO.

26

SIGN TYPE

26

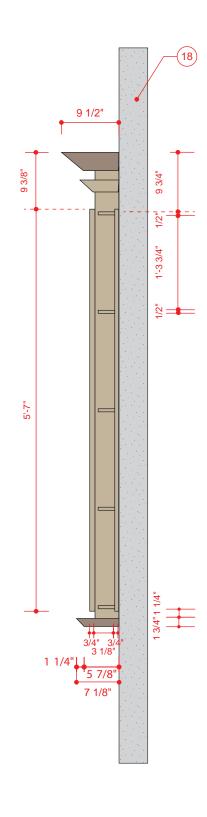
SCALE: 3/4" = 1'0" 2 CAMPUS DIRECTORY FREE STANDING END VIEW

1 CAMPUS DIRECTORY FREE STANDING ELEVATION

FAX 412.429.4074







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1 CAMPUS DIRECTORY WALL MOUNT ELEVATION

301 EAST MAIN STREET - CARNEGIE, PA 15106

SCALE: 3/4" = 1'0" 2 CAMPUS DIRECTORY WALL MOUNT END VIEW

SCALE: 3/4" = 1-0"

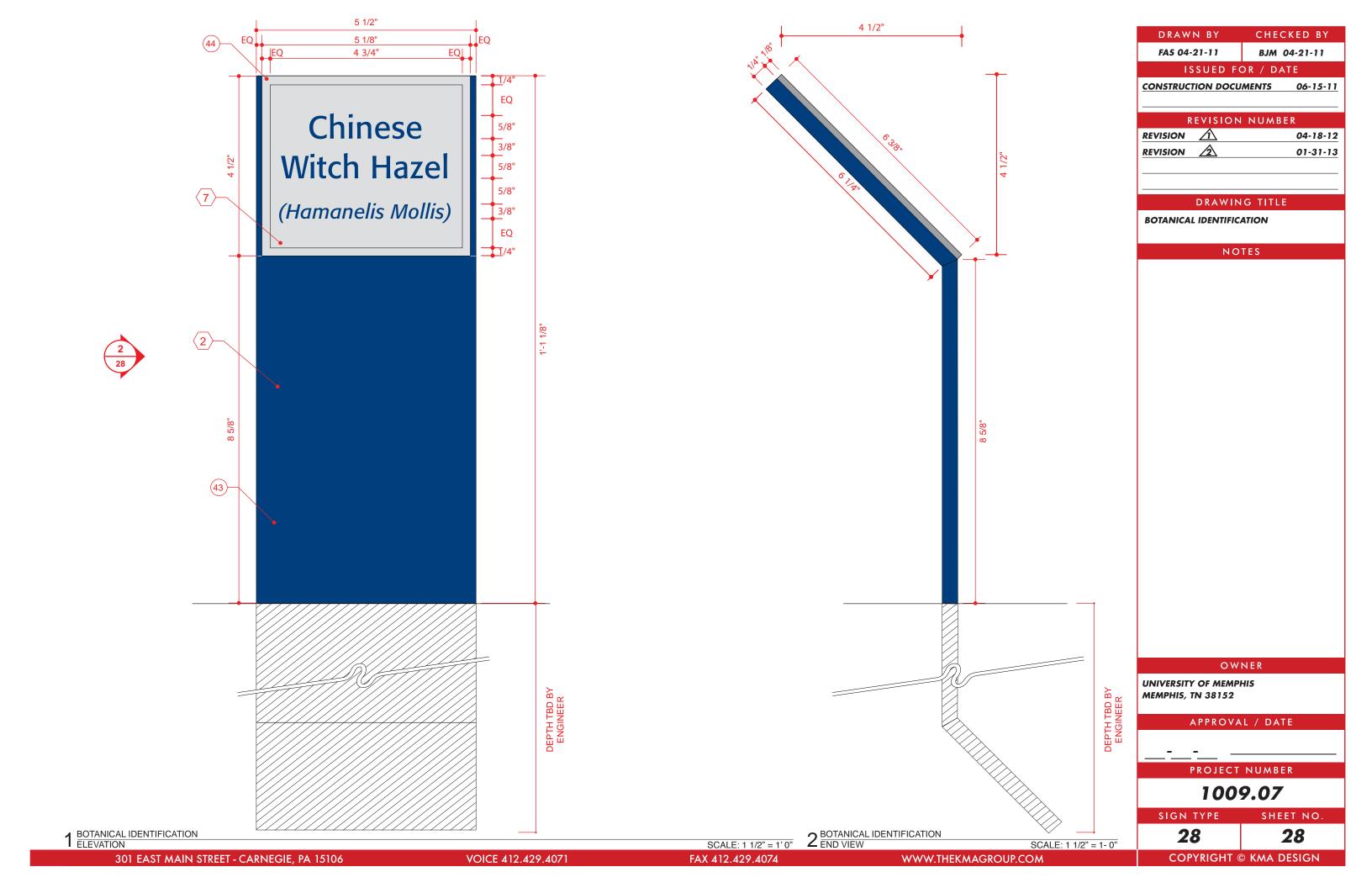
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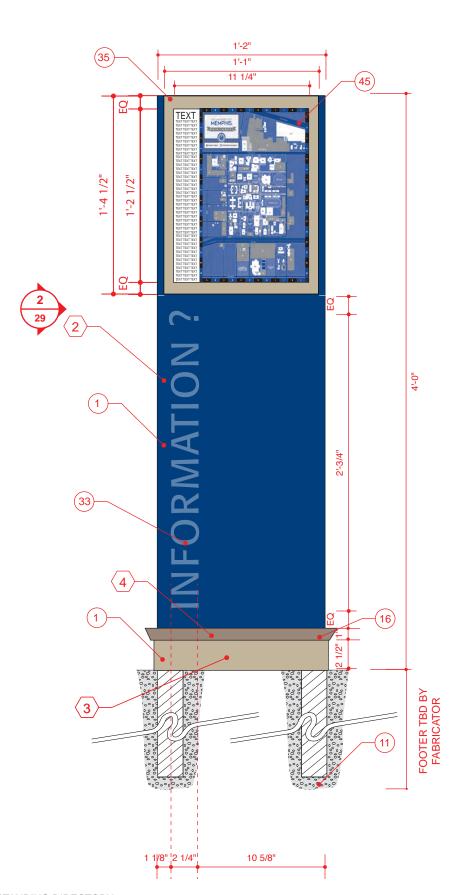
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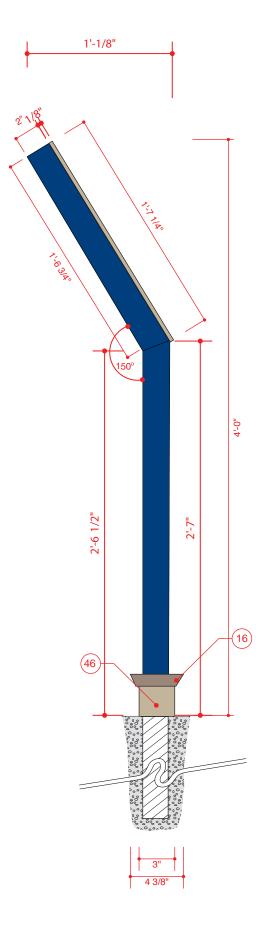
SHEET NO. **27**

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1009.07







SCALE: 1 1/2" = 1'0" 2 SMALL FREESTANDING DIRECTORY END VIEW

SCALE: 1 1/2" = 1-0"

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ISSUED FOR / DATE

CONSTRUCTION DOCUMENTS 06-15-11

REVISION NUMBER

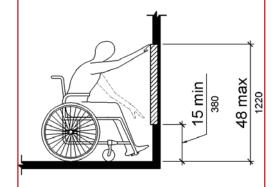
REVISION 🛕 04-18-12 REVISION 01-31-13

DRAWING TITLE

SMALL FREESTANDING DIRECTORY

NOTES

Where a forward reach is unobstructed, the high forward reach shall be 48 inches (1220 mm) maximum and the low forward reach shall be 15 inches (380 mm) minimum above the finish floor or ground.



OWNER

UNIVERSITY OF MEMPHIS **MEMPHIS, TN 38152**

APPROVAL / DATE

PROJECT NUMBER

1009.07

SIGN TYPE

SHEET NO.

29

29

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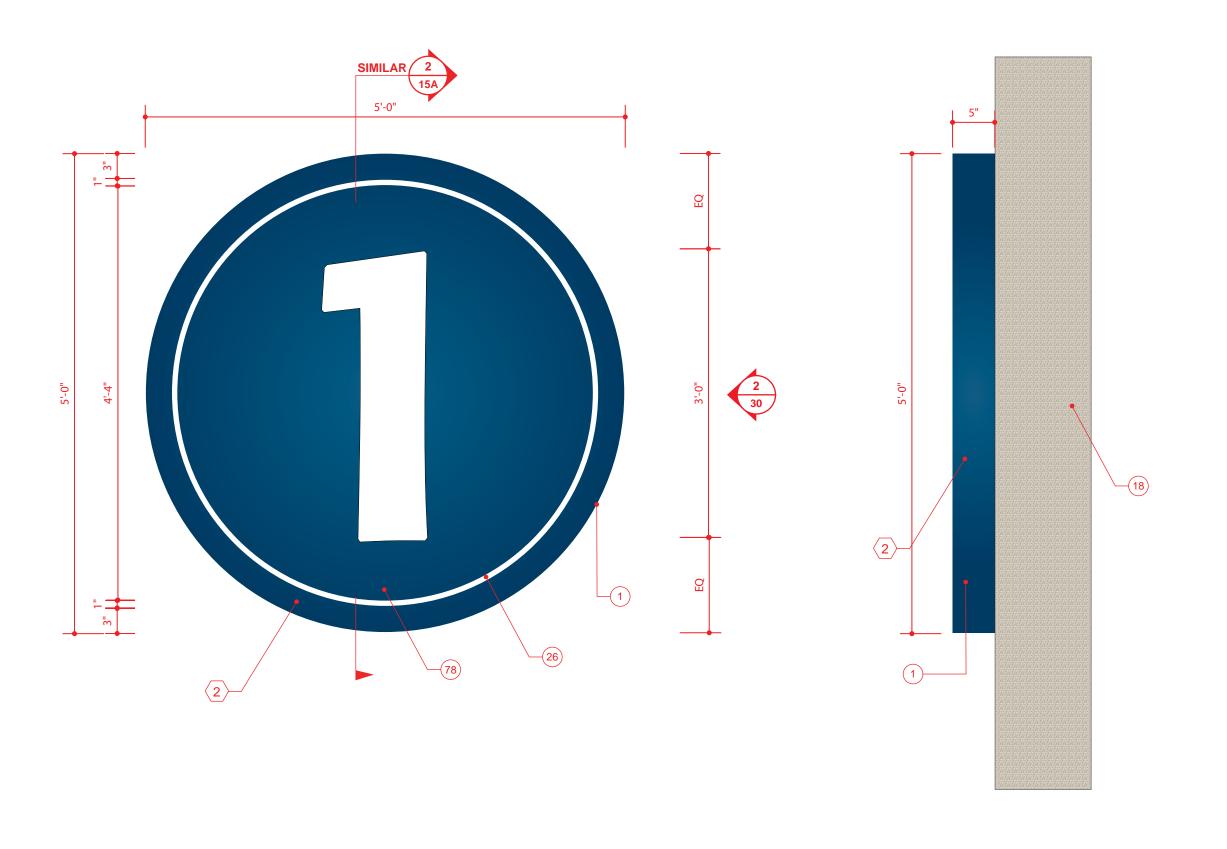
1 SMALL FREESTANDING DIRECTORY ELEVATION

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FAX 412.429.4074

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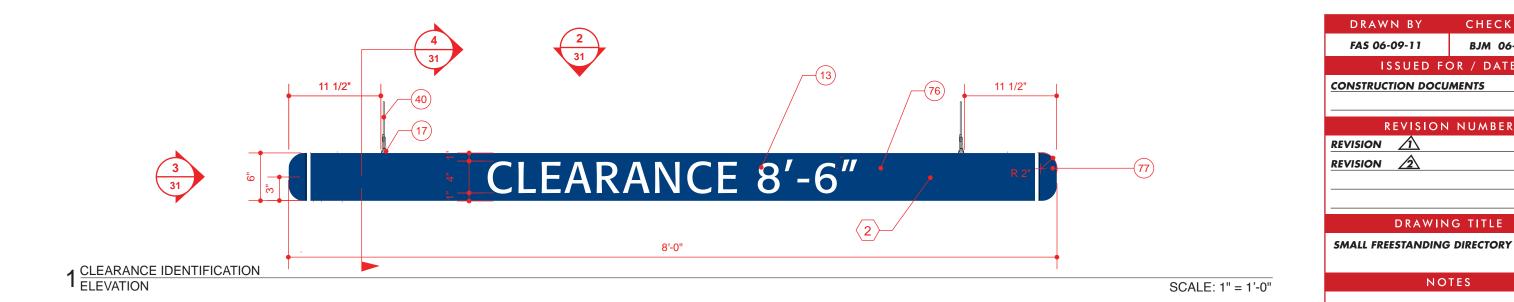
DRAWN BY CHECKED BY FAS 06-09-11 BJM 06-10-11 ISSUED FOR / DATE CONSTRUCTION DOCUMENTS 06-15-11 REVISION NUMBER REVISION 🛕 04-18-12 REVISION 01-31-13 DRAWING TITLE **ENTRANCE DISK** NOTES OWNER UNIVERSITY OF MEMPHIS **MEMPHIS, TN 38152** APPROVAL / DATE PROJECT NUMBER 1009.07 SIGN TYPE SHEET NO. *30* **30**

1 ENTRANCE DISK ELEVATION

SCALE: 1" = 1'0" 2 ENTRANCE DISK END VIEW

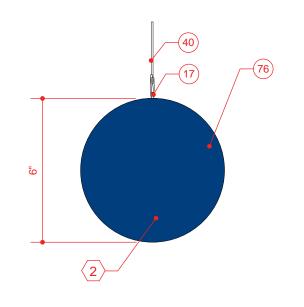
SCALE: 1" = 1'0"

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 $2^{\frac{\text{CLEARANCE IDENTIFICATION}}{\text{PLAN VIEW}}}$ SCALE: 1" = 1'-0"



4 CLEARANCE IDENTIFICATION SECTION VIEW

SCALE: 1/4" = 1"

OWNER UNIVERSITY OF MEMPHIS **MEMPHIS, TN 38152** APPROVAL / DATE PROJECT NUMBER 1009.07 SIGN TYPE SHEET NO. 31 31 COPYRIGHT © KMA DESIGN

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04-18-12

01-31-13

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REVISION NUMBER

DRAWING TITLE

NOTES

301 EAST MAIN STREET - CARNEGIE, PA 15106

3 CLEARANCE IDENTIFICATION END VIEW / END CAP

VOICE 412.429.4071

SCALE: 1/4" = 1"

FAX 412.429.4074

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DESIGN ENHANCEMENTS/ LANDSCAPING

SIGNAGE LANDSCAPE GUIDELINES OVERVIEW:

THE FOLLOWING LANDSCAPE GUIDELINES HAVE BEEN COMPILED FOR THE UNIVERSITY OF MEMPHIS FOR USE IN CONJUNCTION WITH THE SIGNAGE TYPES OUTLINED BY KMA IN THE SIGNAGE – CONSTRUCTION DOCUMENTS DATED 04-18-2012. REFERENCE THE SIGNAGE CONSTRUCTION DOCUMENTS AS WELL AS THE SIGNAGE LOCATION PLANS FOR BOTH SIGNAGE SIZING AND LOCATIONAL INFORMATION.

THE SIGNAGE ENLARGEMENTS CONTAINED WITHIN THE FOLLOWING DOCUMENTS HAVE BEEN DEVELOPED AS "TYPICAL" EXAMPLES OF LANDSCAPE PLANTINGS FOR USE WITH EACH SIGNAGE TYPE IDENTIFIED AS NECESSITATING A LANDSCAPE TREATMENT. THIS DETERMINATION WAS BASED UPON THE TYPE, PURPOSE, LOCATION, AND THE AESTHETIC PRECEDENT WHICH HAS ALREADY BEEN ESTABLISHED ON CAMPUS FOR TREATMENT OF SIGNAGE TYPES. AS AN EXAMPLE, THERE ARE 5 MAIN GATEWAYS IDENTIFIED ON THE SIGNAGE LOCATION PLANS AND ONE ENLARGEMENT SHEET WILL CONVEY A STANDARDIZED DESIGN FOR UNIFYING AND ENHANCING THE STUDENT, FACULTY, STAFF, AND VISITOR EXPERIENCE AS THEY ARRIVE ON CAMPUS THROUGH THESE GATEWAYS. THE SAME METHODOLOGY APPLIES TO EACH OF THE SIGN TYPES WITHIN THE FOLLOWING PAGES.

THE LANDSCAPE TREATMENTS ASSOCIATED WITH EACH OF THE SIGNAGE TYPES ARE INTENDED TO PRESERVE AND COMPLIMENT THE CHARACTER OF THE EXISTING LANDSCAPE AT THE UNIVERSITY OF MEMPHIS. THE INTENT WITHIN THE PLANTING DESIGN IS TO RESPECT AND CELEBRATE THE PLANT PALETTE ALREADY IDENTIFIED WITHIN THE UNIVERSITY OF MEMPHIS DESIGN GUIDELINES. THE PLANT MATRIX OFFERS SELECTIONS THAT ARE INTENDED TO COMPLIMENT THE PLANT MATERIALS ALREADY BEING UTILIZED TO CREATE OF PLACE ON CAMPUS AT THE GATEWAYS WHICH WILL THEN BE REPEATED THROUGH USE OF THE PLANT PALETTE AT VEHICULAR DIRECTIONAL SIGNS, PEDESTRIAN DIRECTIONAL SIGNS, FREESTANDING BUILDING IDENTIFICATION SIGNS, AND INFORMATIONAL SIGNS. THE PLANT SPECIES FOUND WITHIN THE LANDSCAPE PLANTING MATRIX WERE SELECTED WITH RESPECT TO LOW MAINTENANCE NEEDS, LOW WATER NEEDS (NO IRRIGATION IS INTENDED TO BE REQUIRED AFTER ESTABLISHMENT). AND MANY POSSESS A STRONG NATIVE INFLUENCE TO THE MEMPHIS REGION.

HARDSCAPE TREATMENTS ARE INTENDED TO MATCH THE CURRENT STANDARDS OF PAVEMENT ESTABLISHED ON CAMPUS. A HIERARCHY OF HIGHER QUALITY PAVING MATERIALS IS INTENDED TO COMPLIMENT SIGNAGE AT SEVERAL LOCATIONS AS IDENTIFIED ON THE FOLLOWING SHEETS WHILE PROMOTING A SENSE OF ARRIVAL AND GUIDING PEDESTRIANS TOWARD WAYFINDING AT CAMPUS EDGES.

CELEBRATING THE HISTORY AND CULTURE OF THE UNIVERSITY OF MEMPHIS AND CREATING SIGNITURE GATEWAYS WITH SIGNAGE AND THROUGH THE USE OF ACCENTUATED PLANTING MATERIALS WILL CREATE MEMORABLE SPACES THROUGHOUT CAMPUS. ADHERING TO THESE LANDSCAPE GUIDELINES WILL PRESERVE THE CHARACTER OF CAMPUS WHILE ENRICHING THE ARRIVAL EXPERIENCE THROUGH ENHANCEMENT OF THE SIGNAGE ENTRY EXPERIENCE FOR ALL.

PLANT MATRIX NOTES:

WHEN USED IN CONJUCTION. THE SIGNAGE LANDSCAPE TREATMENT SHEETS AND THE PLANT MATRIX WILL SET UP A PLANTING PALETTE WHICH WILL ENHANCE THE IDENTITY OF THE CAMPUS AND CREATE A REPEATED AND IDENTIFIABLE AESTHETIC THROUGHTOUT CAMPUS.

THE PLANT MATRIX IS DIVIDED INTO CATEGORIES BASED UPON PLANT TYPES. THESE PLANT TYPES ARE CALLED OUT ON THE LANDSCAPE TREATMENT SIGNAGE SHEETS AND ARE INTENDED TO CORRELATE WITH THE PLANT MATRIX. ANY PLANT WITHIN THE PLANT TYPE GROUPINGS LISTED ON THE MATRIX MAY BE SELECTED AS CALLED OUT ON THE SIGNAGE LANDSCAPE TREATMENT PLANS. AS AN EXAMPLE IF THE LANDSCAPE TREATMENT CALLS OUT "4 ORNAMENTAL TREES" THEN THE PLANT MATRIX OFFERS A CHOICE OF 4 SPECIES WHICH MAY BE USED AT THIS LOCATION. HOWEVER, ONLY 1 OF THE 4 SPECIES SHOULD BE USED AT THIS CALLOUT LOCATION. DO NOT MIX THE SPECIES PER CALLOUT AS THIS WILL CREATE VISUAL DISARRAY WITHIN THE PLANTING GROUPS.

PLANT SELECTION CRITERIA:

- ALL PLANT MATERIALS SHALL COMPLY WITH THE AMERICAN ASSOCIATION OF NURSERYMEN. INC. (AAN) STANDARD: AMERICAN STANDARD FOR NURSERY STOCK (ANSI Z60.1-2002)
- ALL PLANTING STOCK SHALL BE NURSERY GROWN IN ACCORDANCE WITH GOOD HORTICULTURAL PRACTICES AND SHOULD BE FREE OF DISEASE, INSECTS, LARVAE, AND DEFECTS SUCH AS KNOTS, ABRASIONS, OR DISFIGUREMENT. THE SHOULD BE SOUND, HEALTHY, VIGOROUS, OF UNIFORM GROWTH, TYPICAL OF THE SPECIES AND VARIETY, AND WELL-FORMED WITH THE MINIMUM QUALITY CONFORMING TO THE AMERICAN STANDARD FOR NURSERY STOCK.
- THE MINIMUM ACCEPTED SIZES OF ALL PLANTS SHALL BE MEASURED BEFORE PRUNING AND WITH BRANCHES IN NORMAL POSITION. HEIGHT AND SPREAD SHALL MEET MINIMUM DIMENSIONS SPECIFIED IN PLANTING MATRIX. AND SHALL BE WELL ROOTED, UNLESS OTHERWISE APPROVED BY LANDSCAPE ARCHITECT.
- PRIOR TO DIGGING / SHIPMENT BY A NURSERY, ALL PLANT MATERIALS SHALL BE TAGGED FOR INSPECTION AND APPROVAL BY THE LANDSCAPE ARCHITECT.
- PLANTS SHALL NOT BE SHIPPED IN A MANNER THAT IS DAMAGING TO THE BARK, BRANCHES, DEFORMS THE ROOTBALL OR NATURAL SHAPE OF THE PLANT.
- PLANTS SHALL BE HANDLED AT ALL TIMES ACCORDING TO BEST HORTICULTURAL PRACTICES.

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NOTES

GUIDELINES

OWNER

UNIVERSITY OF MEMPHIS MEMPHIS, TN 38152

APPROVAL / DATE

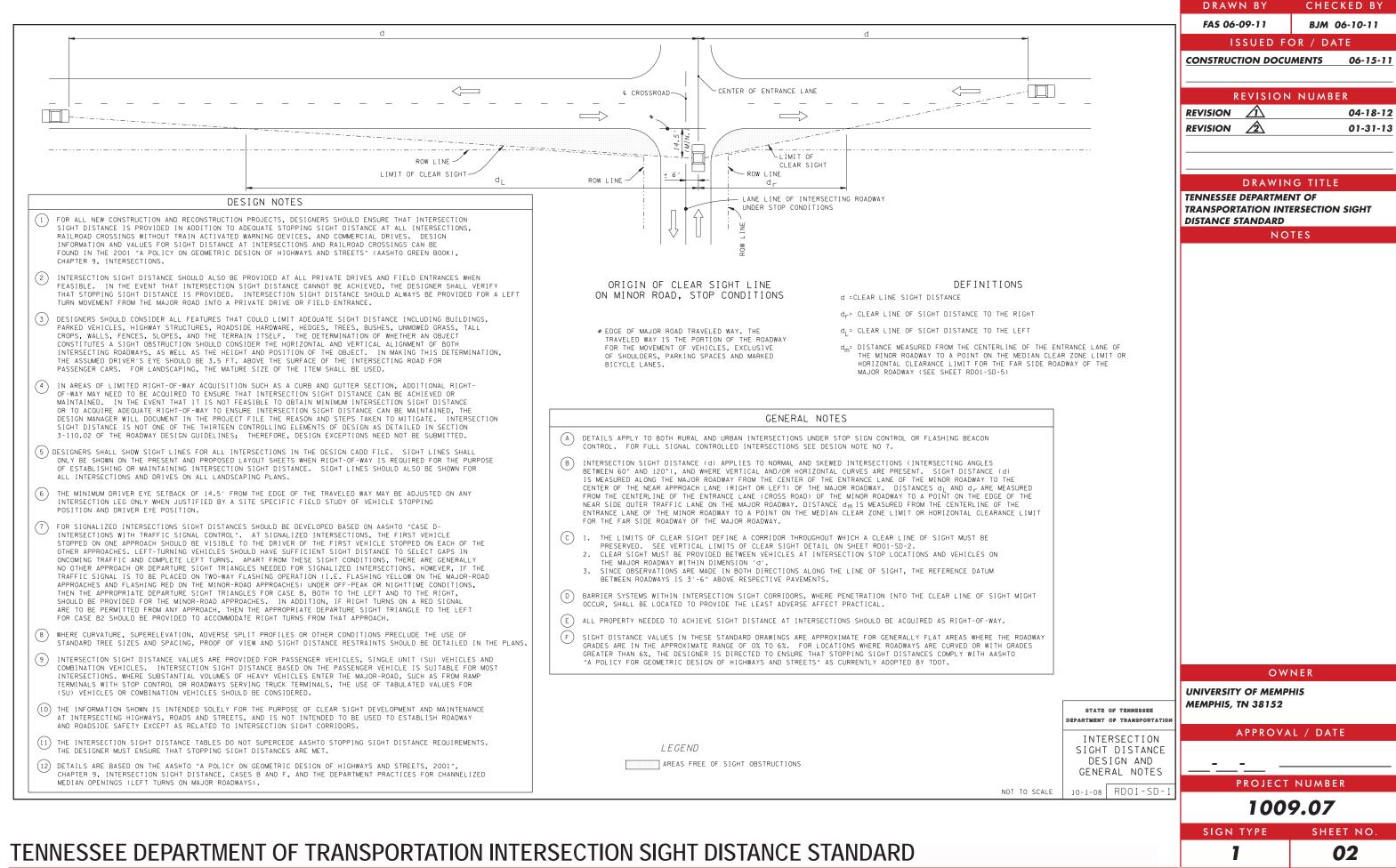
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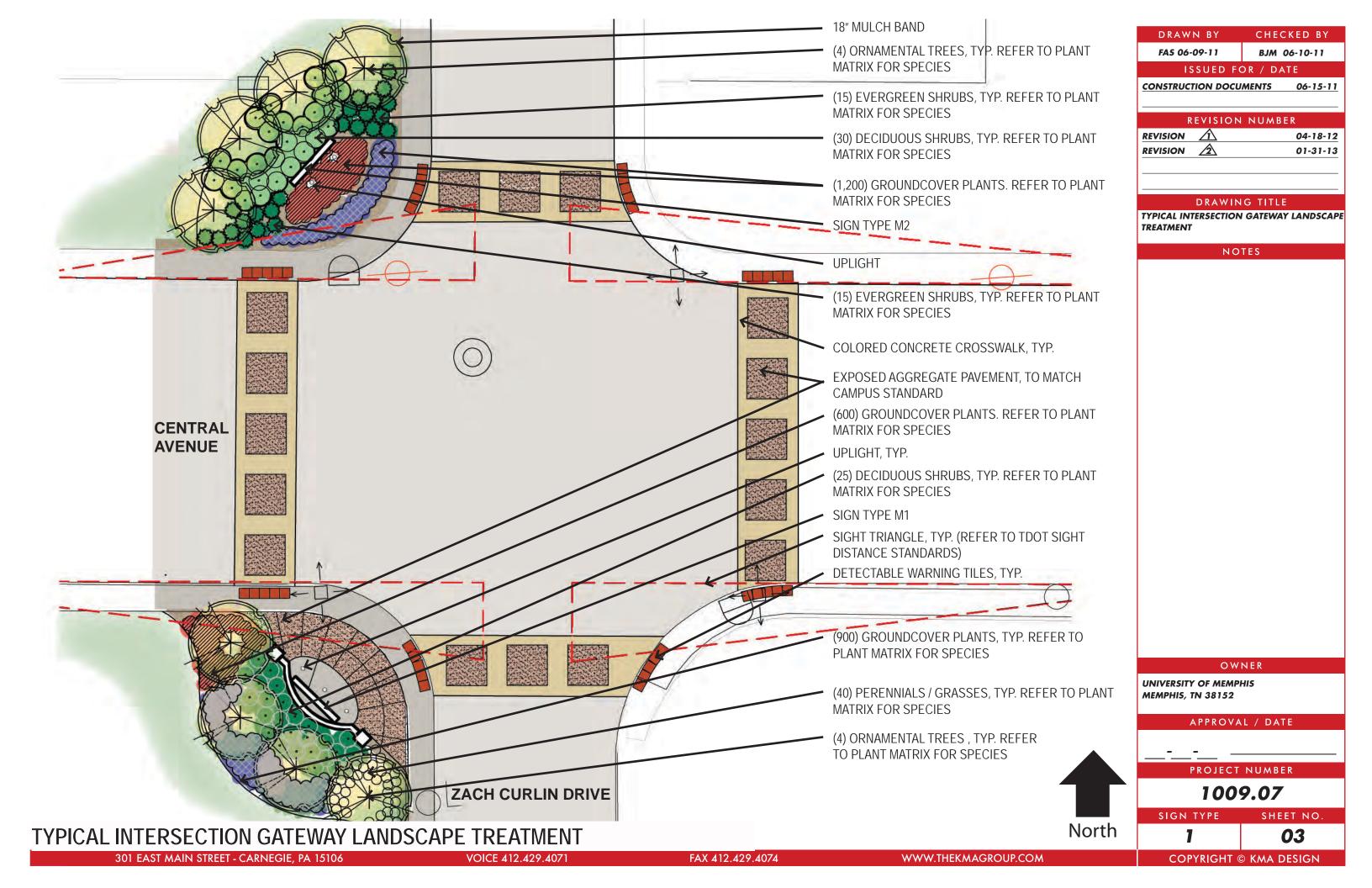
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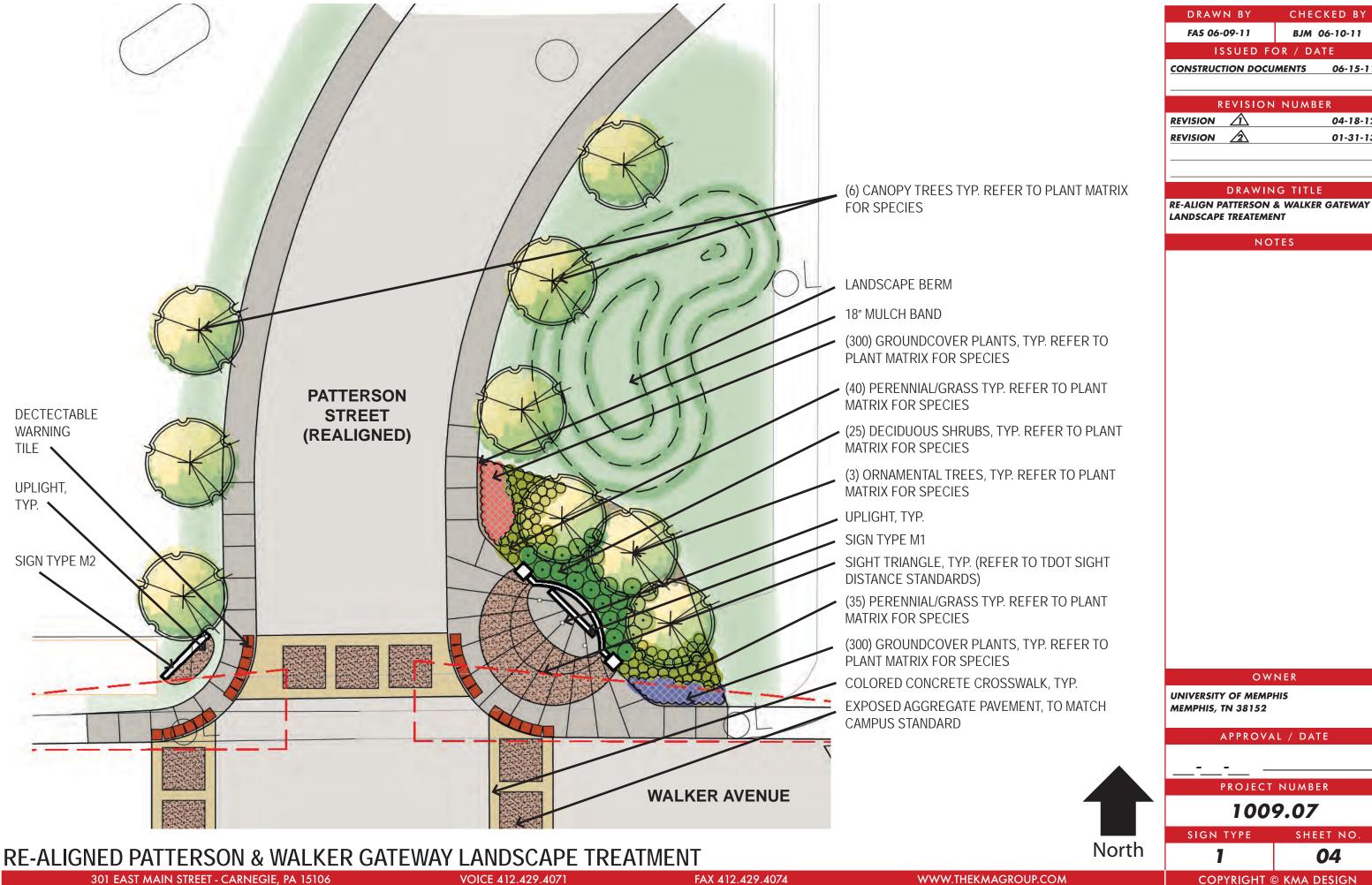
SHEET NO.

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SIGNAGE / WAYFINDING LANDSCAPE GUIDELINES







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BJM 06-10-11

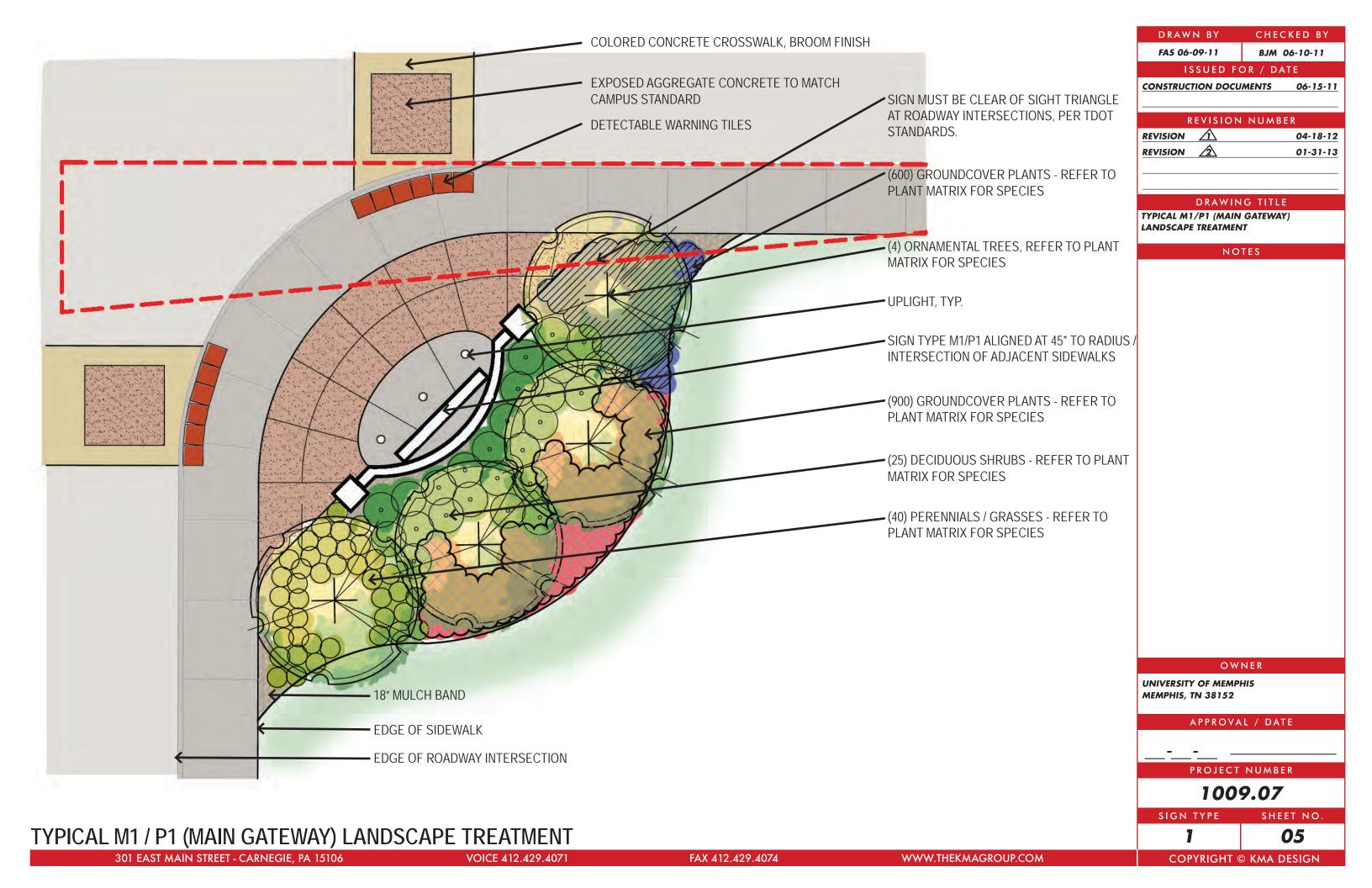
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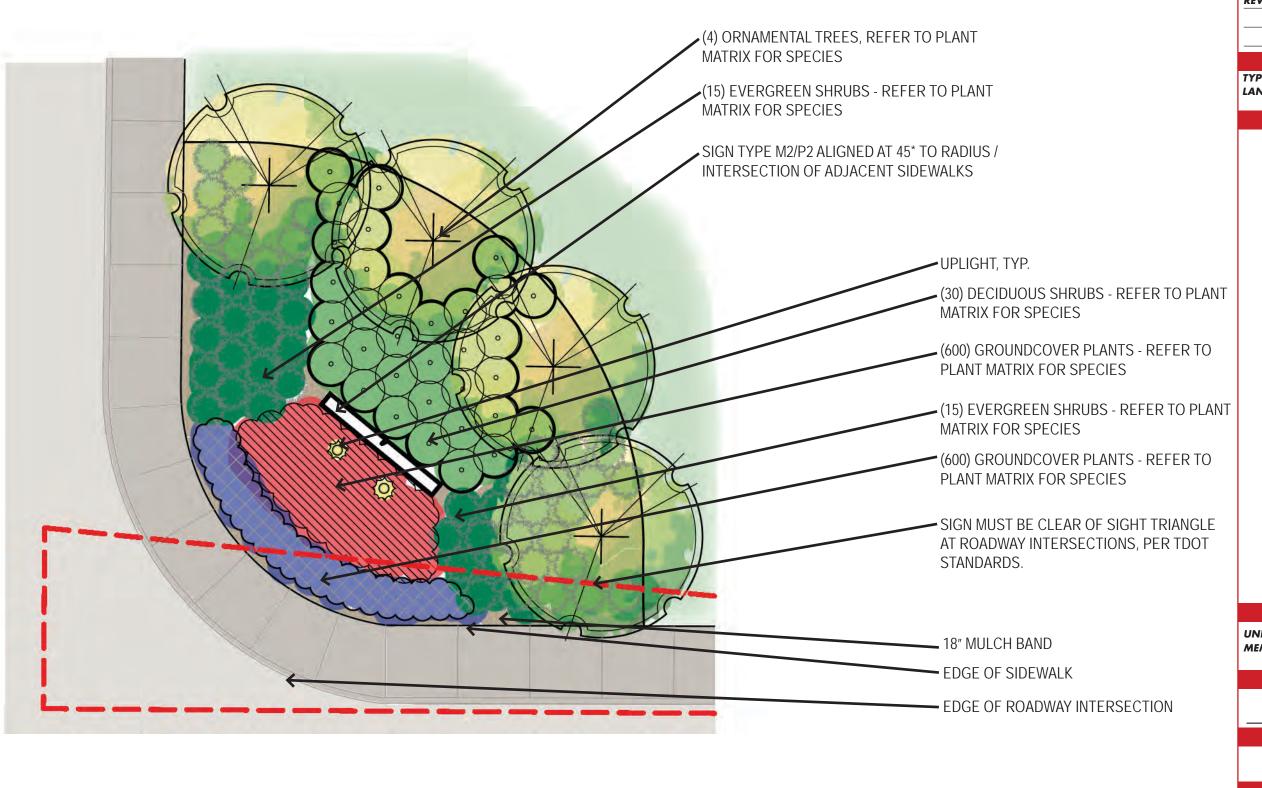
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04-18-12

01-31-13

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ISSUED FOR / DATE

CONSTRUCTION DOCUMENTS 06-15-11

REVISION 104-18-12

REVISION 201-31-13

DRAWING TITLE

TYPICAL M2 / P2 (SECONDARY GATEWAY)
LANDSCAPE TREATMENT

NOTES

OWNER

UNIVERSITY OF MEMPHIS MEMPHIS, TN 38152

APPROVAL / DATE

PROJECT NUMBER

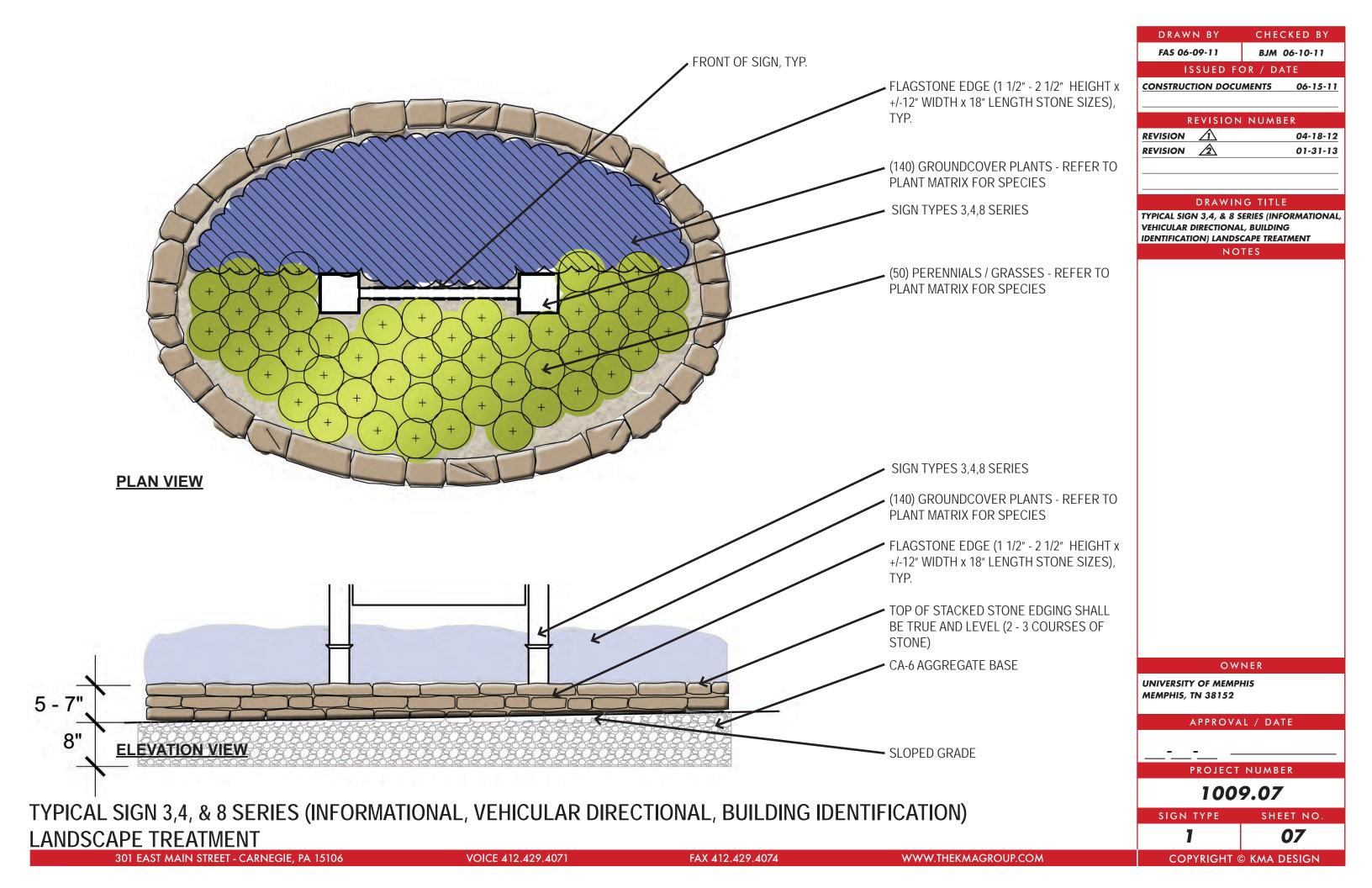
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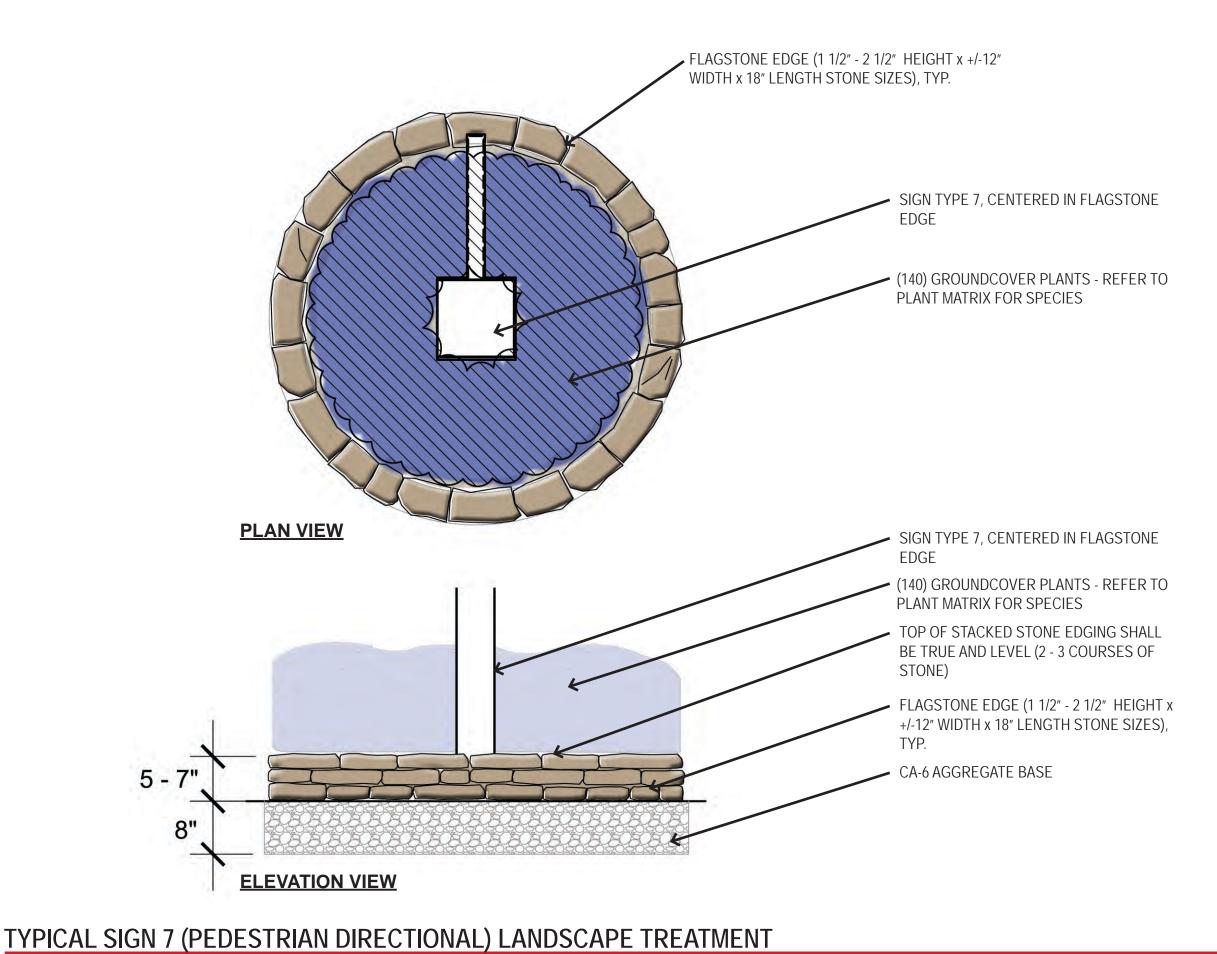
SIGN TYPE SHEET NO.

06

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TYPICAL M2 / P2 (SECONDARY GATEWAY) LANDSCAPE TREATMENT





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MEMPHIS, TN 38152

PROJECT NUMBER

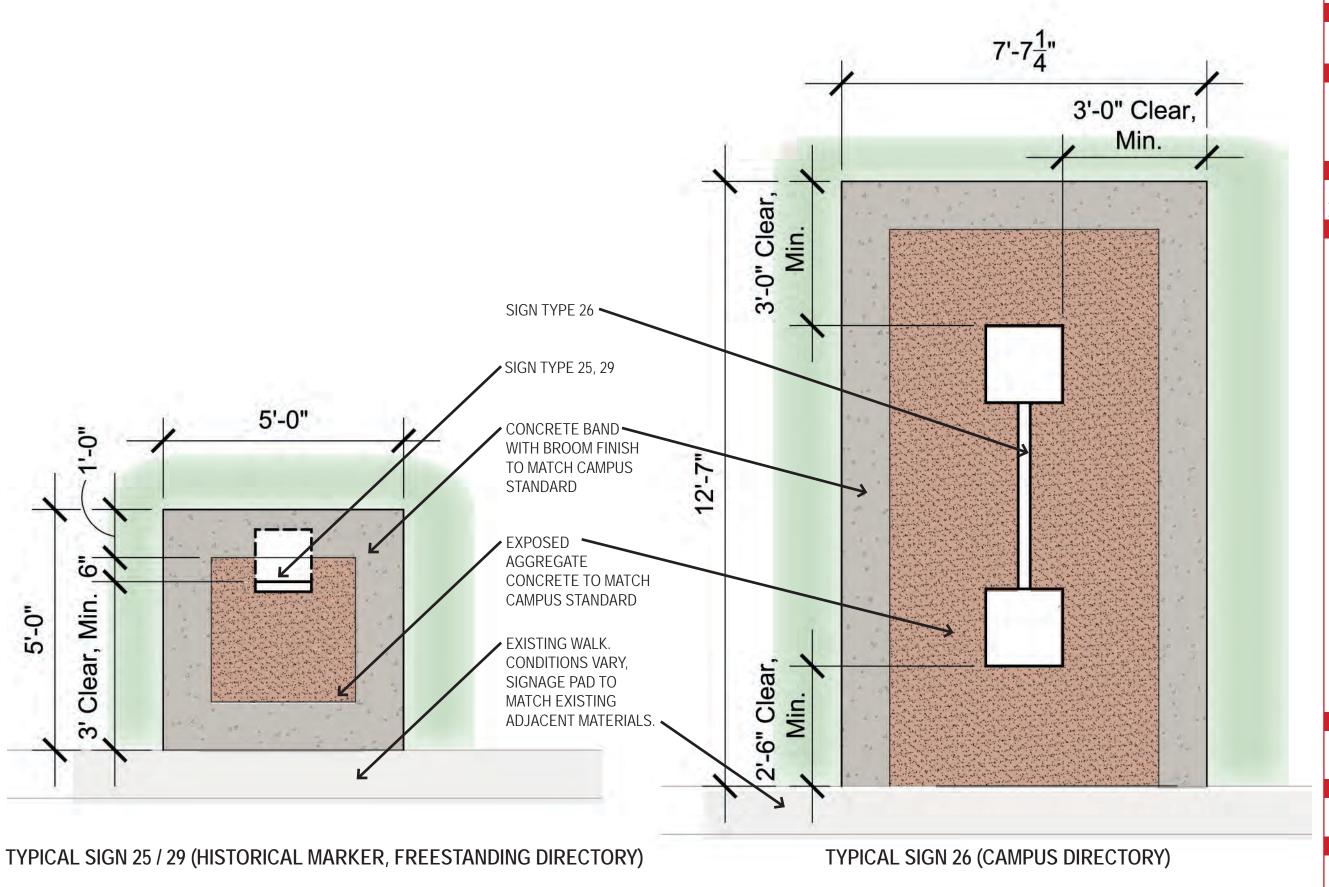
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SIGN TYPE

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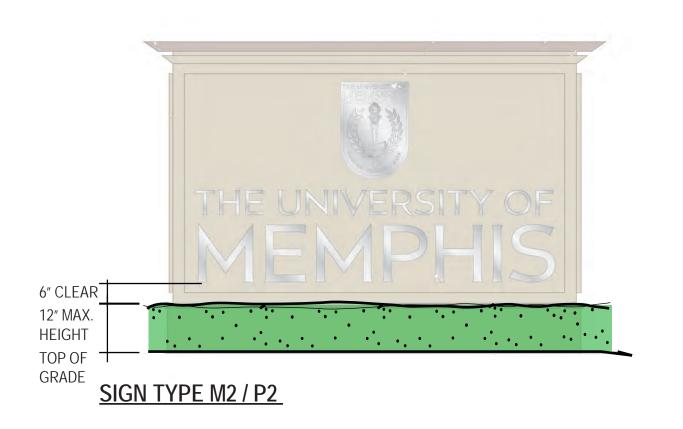
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TYPICAL (HISTORICAL MARKER, FREESTANDING DIRECTORY, CAMPUS DIRECTORY) LANDSCAPE TREATMENT



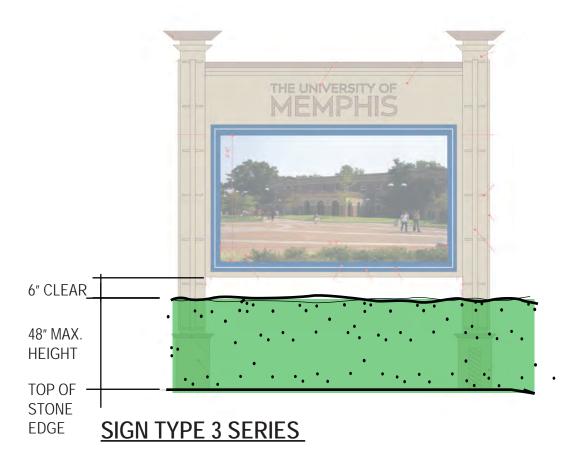
MEMPHIS

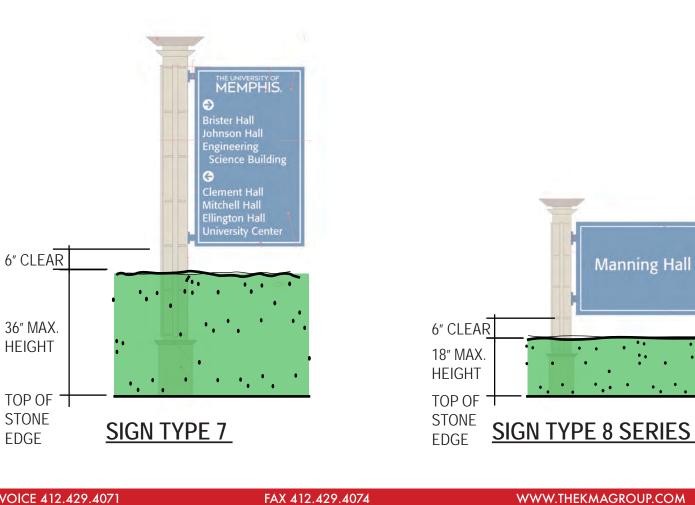
Science Building

Engineering

Clement Hall

Mitchell Hall





FAS 06-09-11 BJM 06-10-11 ISSUED FOR / DATE CONSTRUCTION DOCUMENTS 06-15-11 REVISION NUMBER REVISION 04-18-12 REVISION 01-31-13 DRAWING TITLE TYPICAL PLANT HEIGHT GUIDELINES NOTES OWNER UNIVERSITY OF MEMPHIS **MEMPHIS, TN 38152** APPROVAL / DATE PROJECT NUMBER 1009.07 SHEET NO. SIGN TYPE 10 COPYRIGHT © KMA DESIGN

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TYPICAL PLANT HEIGHT GUIDELINES

SIGN TYPE 4 SERIES

6" CLEAR

18" MAX.

HEIGHT

TOP OF

STONE EDGE

301 EAST MAIN STREET - CARNEGIE, PA 15106

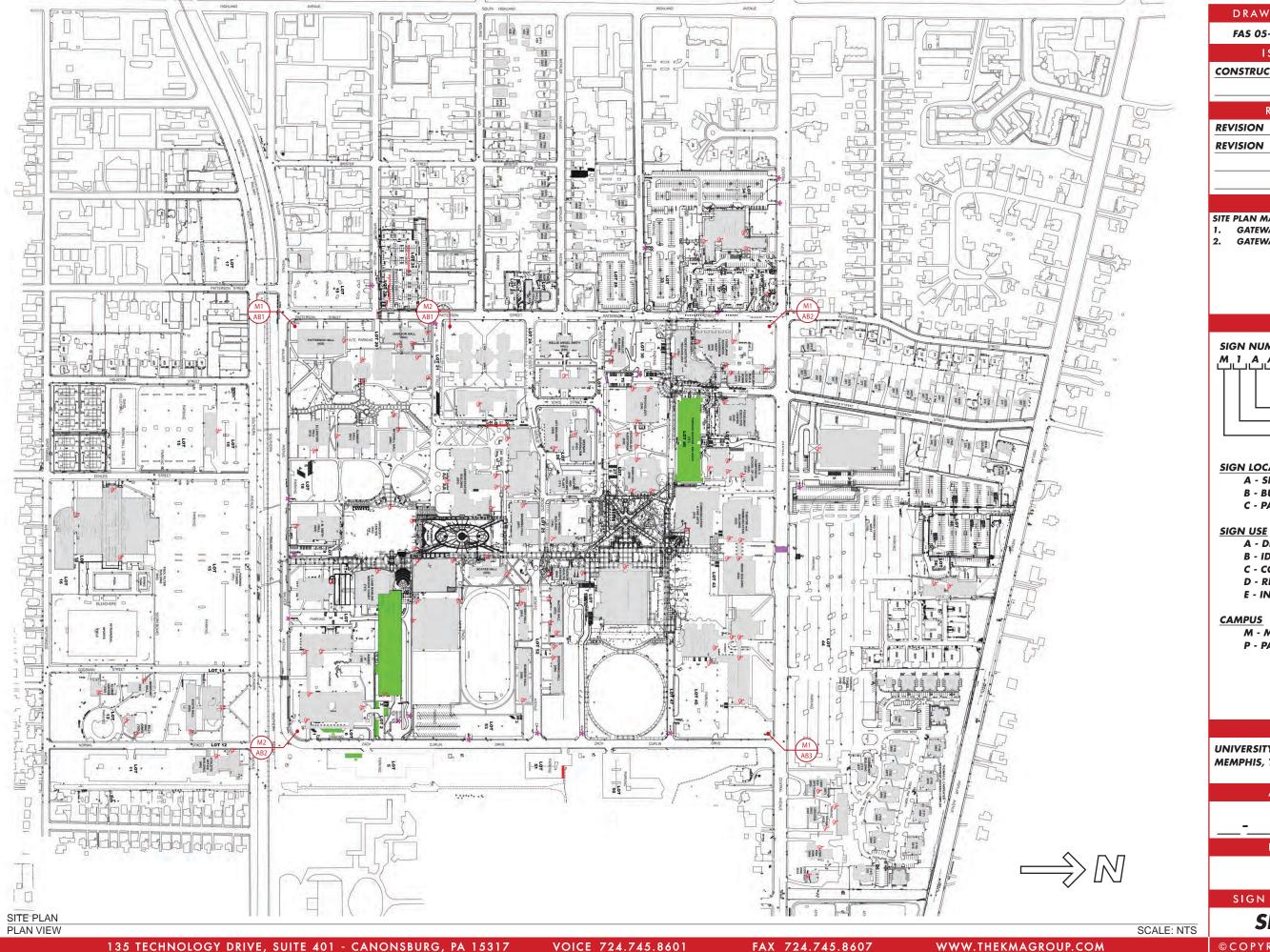
VOICE 412.429.4071

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LANDSCADE DI ANTINO MATDIV DV	CICN		- T\/	'DE										DRAWN BY CHECKED BY
LANDSCAPE PLANTING MATRIX BY	SIGN	IAGI	<u> </u>	PE										FAS 06-09-11 BJM 06-10-11 ISSUED FOR / DATE
				SIGI	N TYP	ES:						PLANT INF	ORMATION:	CONSTRUCTION DOCUMENTS 06-15-
PLANT SELECTIONS (COMMON NAME / BOTANICAL NAME)	1	2	3′S	4'S	7	8'S	25	26	29	SIZE:	SPACING	EXPOSURE:	COMMENTS:	REVISION NUMBER REVISION 104-18-
CANOPY TREES:	X	X												REVISION 2 01-31-
Thornless Honey Locust - Gelditisia triacanthos var inermis										3-1/2" Cal	25′ O.C.	Full Sun	Located at Patterson/Walker re-alignment	DRAWING TITLE
London Plane Tree - Platanus occidentalis										3-1/2" Cal	25' O.C.	Full Sun	Located at Patterson/Walker re-alignment	LANDSCAPE PLANTING MATRIX BY SIGNA
Red Oak - Quercus rubrum										3-1/2" Cal	25' O.C.	Full Sun	Located at Patterson/Walker re-alignment	1175
ORNAMENTAL TREES:	X	X												NOTES
Downy Serviceberry - Amelanchier arborea										10' HT.	12.5′ O.C.	Full Sun	Multi-stemmed, 5-7 stems	<u>-</u>
Eastern Redbud - Cercis canadensis										10′ HT.	12.5′ O.C.	Full Sun	Multi-stemmed, 5-7 stems	<u> </u>
Twilight Crapemyrtle - Lagerstroemia indica 'Twilight"										10′ HT.	12.5′ O.C.	Full Sun	Multi-stemmed, 5-7 stems	<u> </u>
Star Magnolia - Magnolia stellata										10' HT.	12.5′ O.C.	Full Sun	Single stem, specimen	
DECIDUOUS SHRUBS:	X	X												4
Beautyberry - Callicarpa americana										#5's	42" O.C.	Full Sun/Prt Shade	Container, well rooted, 30" Ht.	-
Oakleaf Hydrangea - Hydrangea quercifolia										#5's	42" O.C.	Full Sun/Shade	Container, well rooted, 36" Ht.	1
Anthony Waterer Spirea - Spirea x 'bumalda Anthony Waterer'										#3's	30" O.C.	Full Sun	Container, well rooted, 18" Ht.]
Blue Muffin Viburnum - Viburnum dentatum 'Blue Muffin'										#5's	42" O.C.	Full Sun/Prt Shade	Container, well rooted, 30" Ht.]
EVERGREEN SHRUBS:		X]
Shamrock Inkberry - Ilex glabra 'Shamrock'	_									#3'S	36" O.C.	Full Sun /Prt Shad	Container, well rooted, 18" Ht.	-
Heavenly Bamboo - Nandina domestica 'Harbor Dwarf'										#5's	42" O.C.		Container, well rooted, 24" Ht.	1
Japanese Garden Juniper - Juniperus procumbens										#3's	36" O.C.	Full Sun /Prt Sun	Container, well rooted, 18" Spread	1
PERENNIALS / GRASSES:	X		X	X		X]
Butterfly Weed - Asclepias tuberosa										#1's	12" O.C.	Full Sun	Container grown, well rooted	-
Purple Dome Aster - Aster novae-angliae										#1's	12" O.C.	Full Sun	Container grown, well rooted	1
Dwarf Blue Wild Indigo - Baptisia australis var. minor										#1's	12" O.C.	Full Sun	Container grown, well rooted	1
Northern Sea Oats - Chasmanthium latifolium										#1's	18" O.C.		Container grown, well rooted	
Dense Blazing Star - Liatris spicata										#1's	12" O.C.	Full Sun	Container grown, well rooted	OWNER
Shenandoah Switchgrass - Panicum virgatum 'Shenandoah'										#1's	18" O.C.		Container grown, well rooted	UNIVERSITY OF MEMPHIS MEMPHIS, TN 38152
Prairie Dropseed Grass - Sporobulus heterolepis										#1's	18" O.C.	Full Sun	Container grown, well rooted	
Bright Edge Adam's Needle - Yucca filamentosa 'Bright Edge'										#1's	12" O.C.	Full Sun	Container grown, well rooted	APPROVAL / DATE
GROUNDCOVERS:	$\perp X$	X	X	X	X	X								
Catlin's Giant Bugleweed - Ajuga reptans 'Catlin's Giant'										2 1/4" pot	6" O.C.	Full Sun/Prt Shade	Vigorous, well rooted	PROJECT NUMBER
Big Blue Lily Turf - Liriope muscari 'Big Blue'										2 1/4" pot	12" O.C.		Vigorous, well rooted	1009.07
Pachysandra - Pachysandra terminalis										2 1/4" pot	6" O.C.	Prt Sun/Full Shade	Vigorous, well rooted	SIGN TYPE SHEET NO.
Ornamental Raspberry - Rubus calycinoides										2 1/4" pot	12″ O.C.	Full Sun/Prt Shade	Vigorous, well rooted	」」」
301 EAST MAIN STREET - CARNEGIE, PA 15106			VC	DICE 41	2.429.4	4071				FAX 412.42	29.4074		WWW.THEKMAGROUP.COM	COPYRIGHT © KMA DESIGN

LOCATION PLANS

MAIN CAMPUS



BJM 05-19-11

CHECKED BY

06-15-11

FAS 05-19-11

ISSUED FOR / DATE CONSTRUCTION DOCUMENTS

REVISION NUMBER

REVISION 🛕 04-18-12

01-31-13

DRAWING TITLE

SITE PLAN MAIN CAMPUS

- **GATEWAY MAIN ENTRANCE**
- GATEWAY SECONDARY ENTRANCE

NOTES

SIGN NUMBER LEGEND: - SIGN NUMBER - SIGN LOCATION - SIGN USE SIGN TYPE CAMPUS

SIGN LOCATION

- A SITE
- **B** BUILDING
- C PARKING

SIGN USE

- A DIRECTIONAL
- **B IDENTIFICATION**
- C CODE
- D REGULATION
- **E INFORMATIONAL**

M - MAIN

P - PARK AVENUE

OWNER

UNIVERSITY OF MEMPHIS **MEMPHIS, TN 38152**

APPROVAL / DATE

PROJECT NUMBER

1009.07

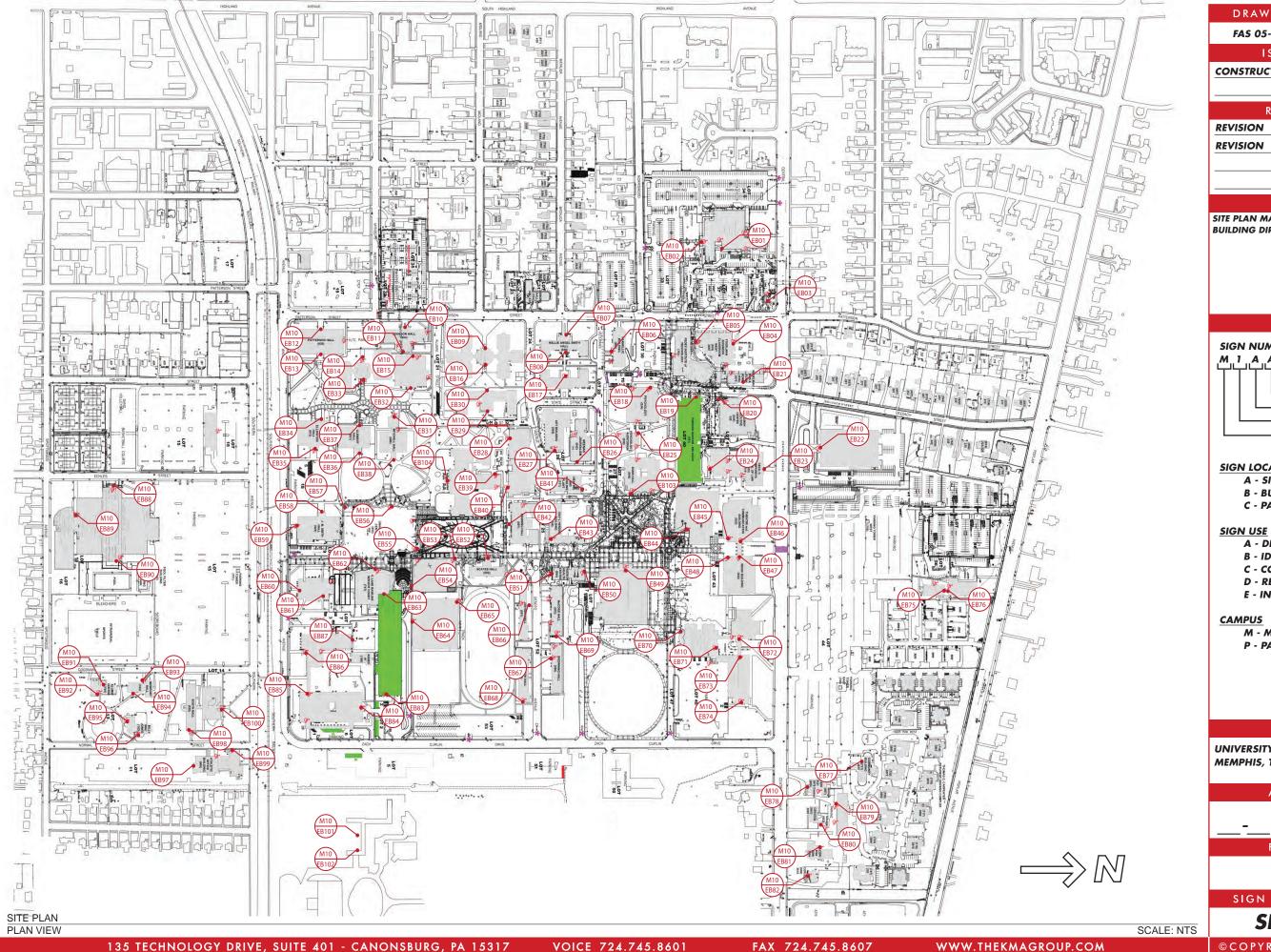
SIGN TYPE

SHEET NO.

01.4

SP

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FAS 05-19-11

CHECKED BY BJM 05-19-11

ISSUED FOR / DATE

CONSTRUCTION DOCUMENTS 06-15-11

REVISION NUMBER

REVISION 1 04-18-12

01-31-13

DRAWING TITLE

SITE PLAN MAIN CAMPUS **BUILDING DIRECTORY SIGN TYPE 10**

NOTES

SIGN NUMBER LEGEND: - SIGN NUMBER - SIGN LOCATION - SIGN USE SIGN TYPE CAMPUS

SIGN LOCATION

A - SITE

B - BUILDING

C - PARKING

A - DIRECTIONAL

B - IDENTIFICATION

C - CODE

D - REGULATION

E - INFORMATIONAL

M - MAIN

P - PARK AVENUE

OWNER

UNIVERSITY OF MEMPHIS MEMPHIS, TN 38152

APPROVAL / DATE

PROJECT NUMBER

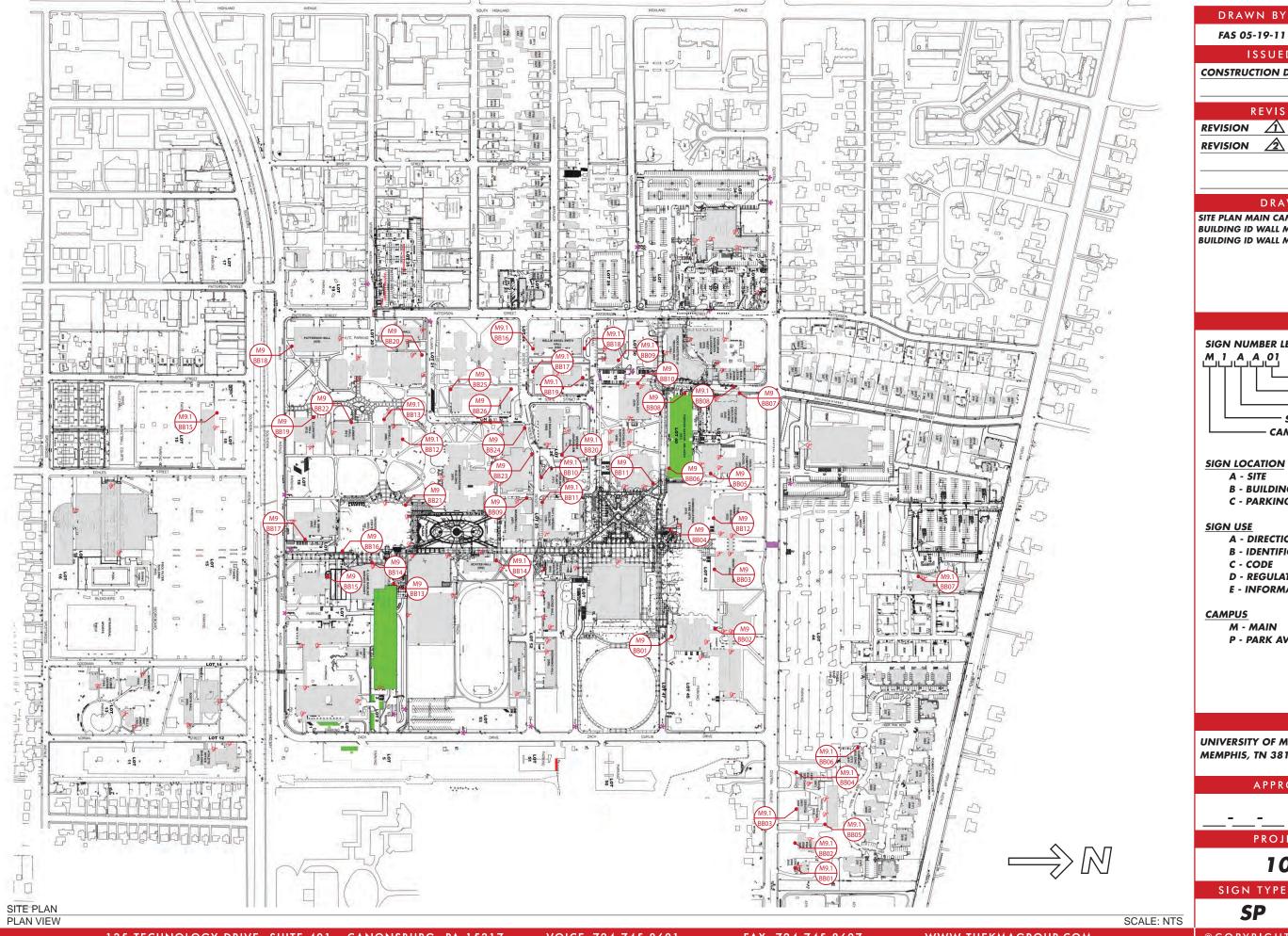
1009.07

SIGN TYPE

SHEET NO.

SP

01.3



BJM 05-19-11

CHECKED BY

ISSUED FOR / DATE

CONSTRUCTION DOCUMENTS

06-15-11

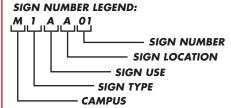
REVISION NUMBER

REVISION 🛕 04-18-12 REVISION 01-31-13

DRAWING TITLE

SITE PLAN MAIN CAMPUS BUILDING ID WALL MOUNT LARGE SIGN TYPE 9 BUILDING ID WALL MOUNT SMALL SIGN TYPE 9.1

NOTES



SIGN LOCATION

- A SITE
- **B** BUILDING
- C PARKING

SIGN USE

- A DIRECTIONAL
- **B IDENTIFICATION**
- C CODE
- D REGULATION
- **E INFORMATIONAL**

M - MAIN

P - PARK AVENUE

OWNER

UNIVERSITY OF MEMPHIS MEMPHIS, TN 38152

APPROVAL / DATE

PROJECT NUMBER

1009.07

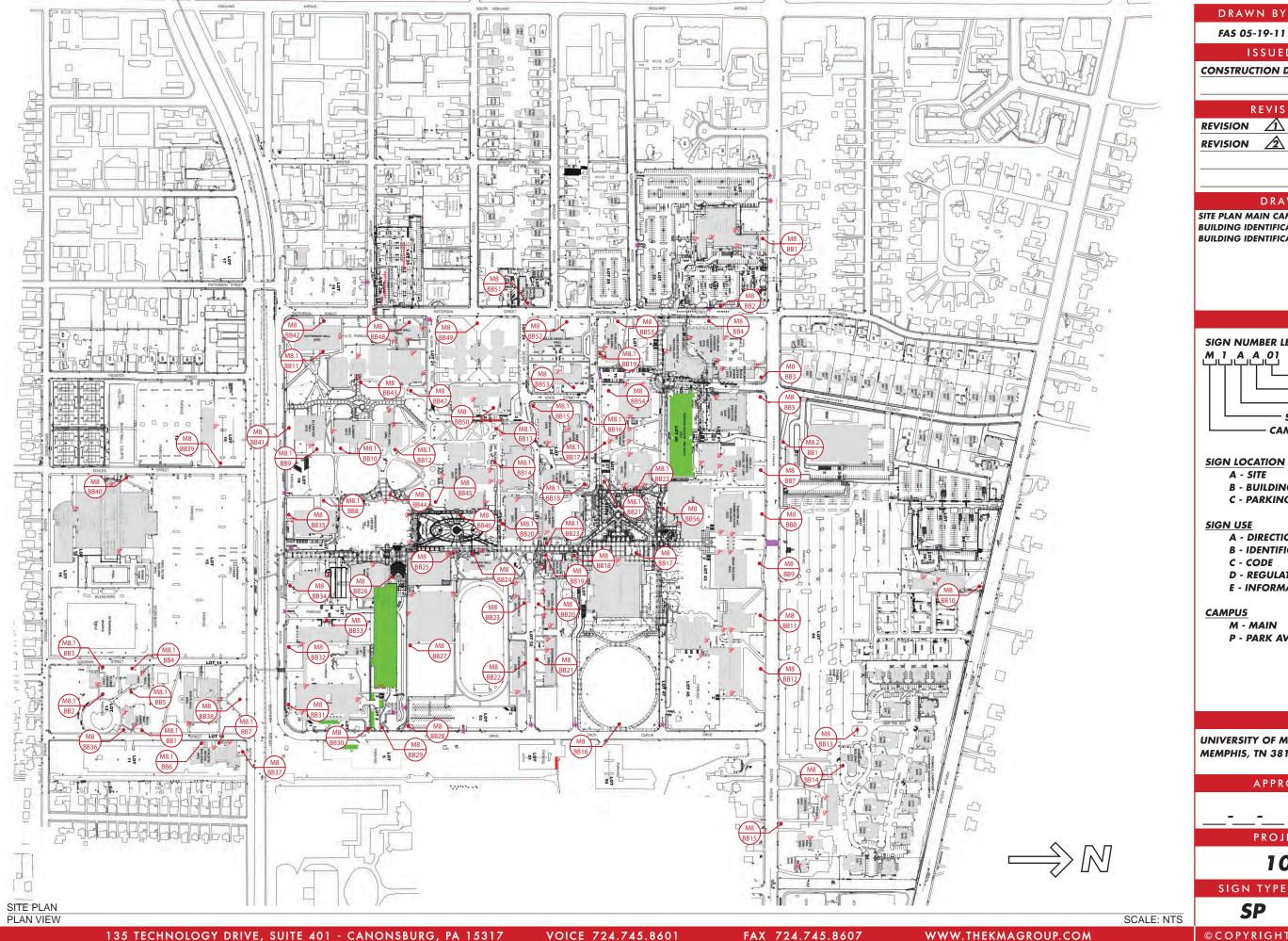
SIGN TYPE

SHEET NO.

SP

01.2

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CHECKED BY

ISSUED FOR / DATE

CONSTRUCTION DOCUMENTS 06-15-11

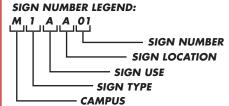
REVISION NUMBER

REVISION 🛕 04-18-12 01-31-13

DRAWING TITLE

SITE PLAN MAIN CAMPUS **BUILDING IDENTIFICATION LARGE SIGN TYPE 8** BUILDING IDENTIFICATION SMALL SIGN TYPE 8.1

NOTES



SIGN LOCATION

- A SITE
- **B** BUILDING
- C PARKING

SIGN USE

- A DIRECTIONAL
- **B IDENTIFICATION**
- C CODE
- D REGULATION
- **E INFORMATIONAL**

M - MAIN

P - PARK AVENUE

OWNER

UNIVERSITY OF MEMPHIS MEMPHIS, TN 38152

APPROVAL / DATE

PROJECT NUMBER

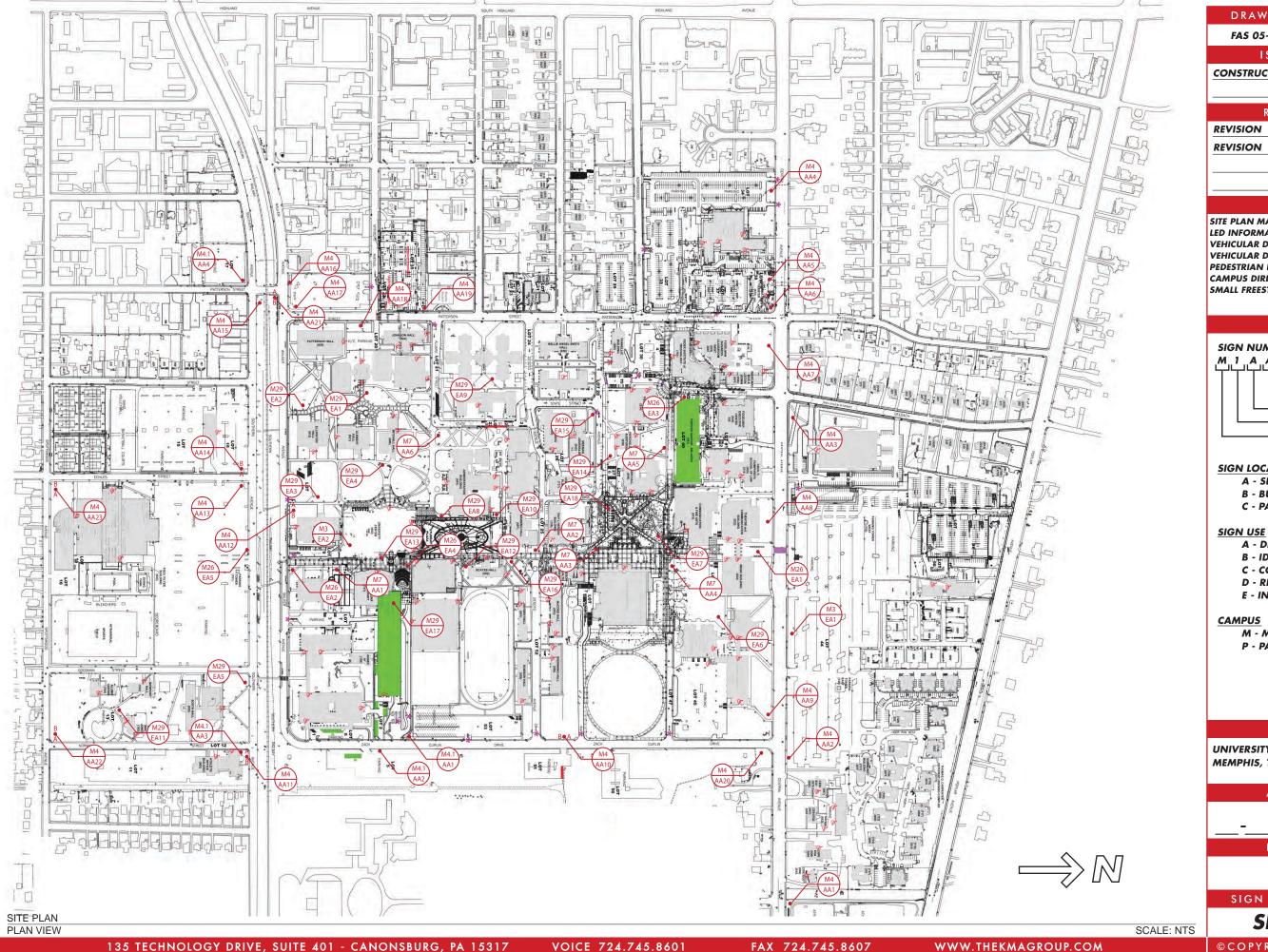
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SIGN TYPE

SHEET NO.

SP

01.1



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CHECKED BY BJM 05-19-11

ISSUED FOR / DATE

CONSTRUCTION DOCUMENTS 06-15-11

REVISION NUMBER

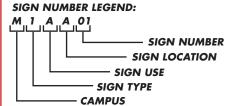
REVISION 1 04-18-12 01-31-13

DRAWING TITLE

SITE PLAN MAIN CAMPUS

LED INFORMATIONAL SIGN LARGE SIGN TYPE 3 VEHICULAR DIRECTIONAL LARGE SIGN TYPE 4 VEHICULAR DIRECTIONAL SMALL SIGN TYPE 4.1 PEDESTRIAN DIRECTIONAL SIGN TYPE 7 CAMPUS DIRECTORY FREESTANDING SIGN TYPE 26 SMALL FREESTANDING DIRECTORY SIGN TYPE 29

NOTES



SIGN LOCATION

- A SITE
- **B** BUILDING
- C PARKING

SIGN USE

- A DIRECTIONAL
- **B IDENTIFICATION**
- C CODE
- D REGULATION
- **E INFORMATIONAL**

M - MAIN

P - PARK AVENUE

OWNER

UNIVERSITY OF MEMPHIS **MEMPHIS, TN 38152**

APPROVAL / DATE

PROJECT NUMBER

1009.07

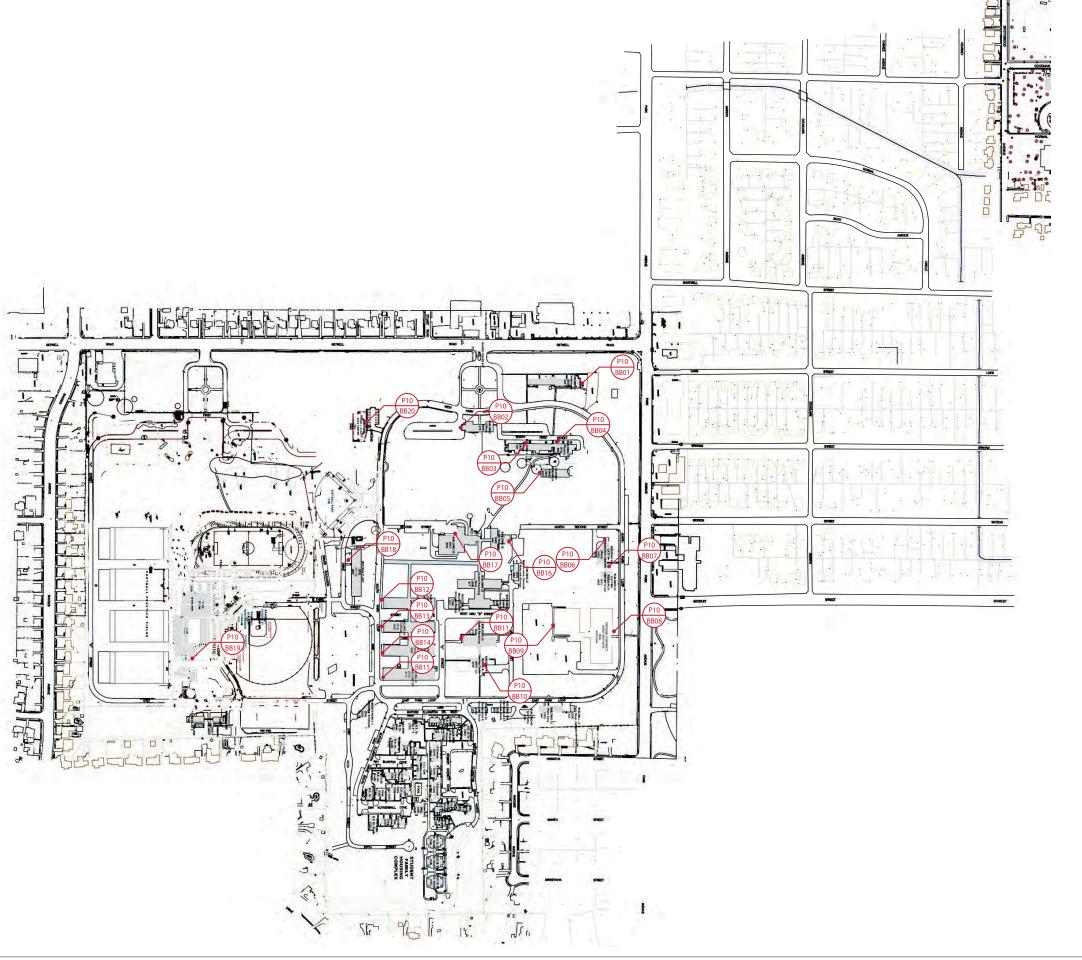
SIGN TYPE

SHEET NO. 01

SP

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PARK AVENUE CAMPUS



DRAWN BY FAS 01-02-13 CHECKED BY AJG 01-03-13

ISSUED FOR / DATE

CONSTRUCTION DOCUMENTS 06-15-11

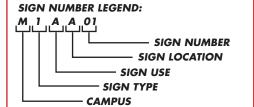
REVISION NUMBER

REVISION 1 04-18-12 REVISION 01-31-13

DRAWING TITLE

SITE PLAN PARK AVENUE CAMPUS GATEWAY MAIN ENTRANCE SIGN TYPE 1 **GATEWAY SECONDARY ENTRANCE SIGN TYPE 2**

NOTES



SIGN LOCATION

- A SITE
- B BUILDING C - PARKING

SIGN USE

- A DIRECTIONAL
- **B** IDENTIFICATION
- C CODE
- D REGULATION
- E INFORMATIONAL

CAMPUS

M - MAIN

P - PARK AVENUE

OWNER

UNIVERSITY OF MEMPHIS **MEMPHIS, TN 38152**

APPROVAL / DATE

PROJECT NUMBER

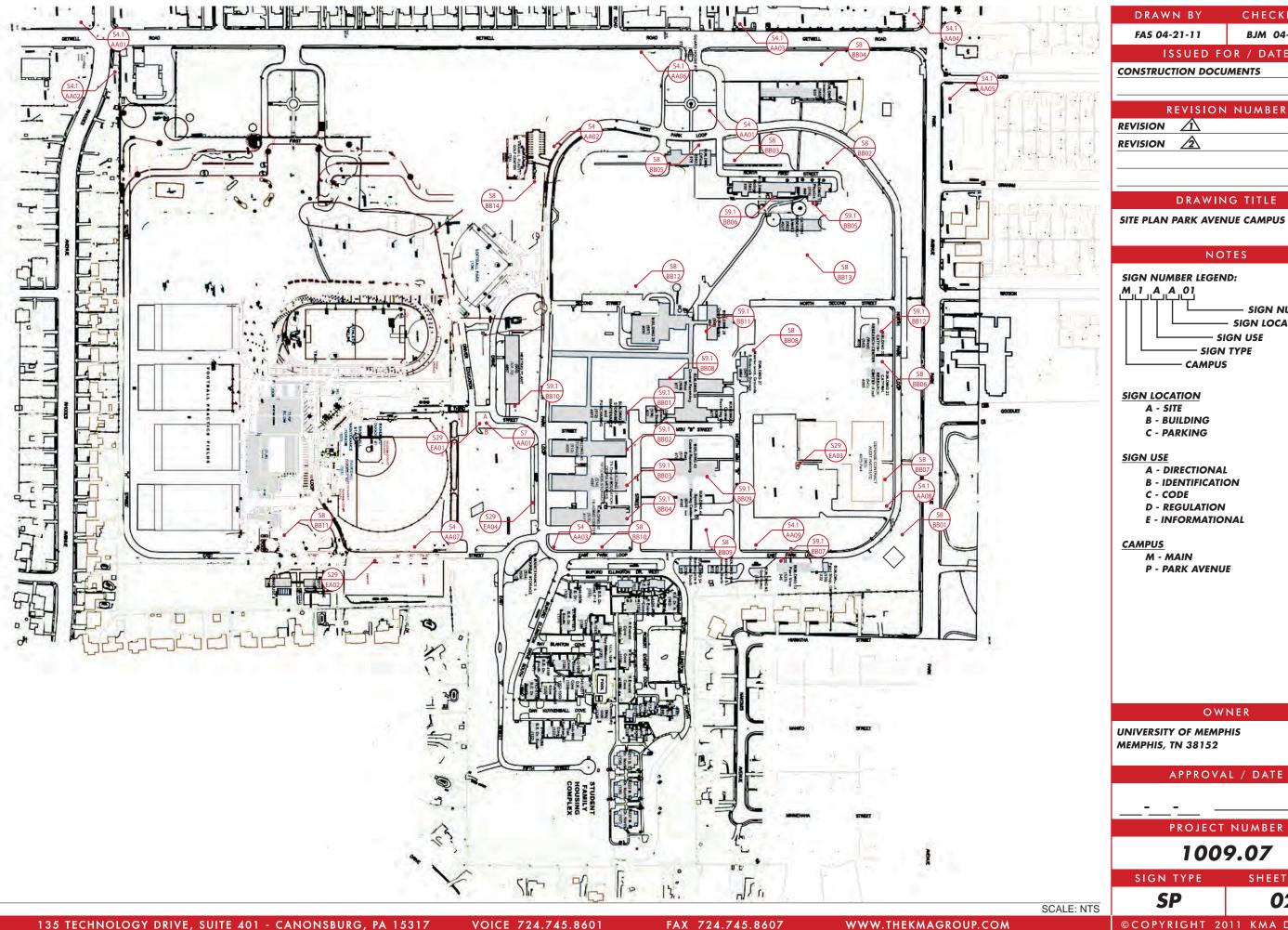
1009.07

SIGN TYPE

SHEET NO.

SP 02

SITE PLAN PLAN VIEW



135 TECHNOLOGY DRIVE, SUITE 401 - CANONSBURG, PA 15317

SITE PLAN

PLAN VIEW

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OWNER

APPROVAL / DATE

PROJECT NUMBER

1009.07

SHEET NO.

02

CHECKED BY

BJM 04-21-11

SIGN NUMBER - SIGN LOCATION

06-15-11

04-18-12

01-31-13

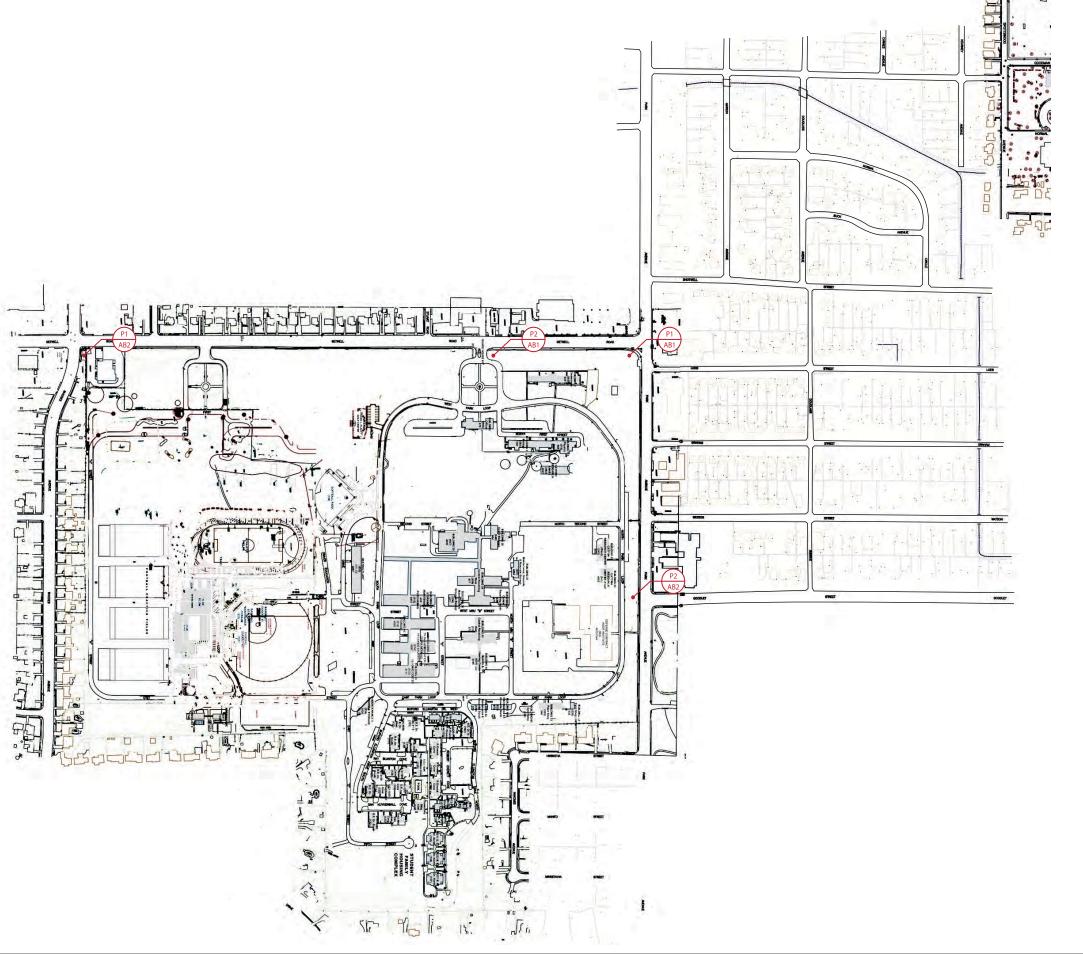
ISSUED FOR / DATE

REVISION NUMBER

DRAWING TITLE

NOTES

- SIGN USE - SIGN TYPE - CAMPUS



DRAWN BY FAS 01-02-13 CHECKED BY AJG 01-03-13

ISSUED FOR / DATE

CONSTRUCTION DOCUMENTS 06-15-11

REVISION NUMBER

REVISION 1 04-18-12 REVISION

01-31-13

DRAWING TITLE

SITE PLAN PARK AVENUE CAMPUS GATEWAY MAIN ENTRANCE SIGN TYPE 1 **GATEWAY SECONDARY ENTRANCE SIGN TYPE 2**

NOTES

SIGN NUMBER LEGEND: M, 1 , A, A, 01

SIGN NUMBER - SIGN LOCATION - SIGN USE – SIGN TYPE - CAMPUS

SIGN LOCATION

- A SITE
- B BUILDING C - PARKING
- SIGN USE

A - DIRECTIONAL

- **B** IDENTIFICATION
- C CODE
- D REGULATION
- E INFORMATIONAL

CAMPUS

M - MAIN

P - PARK AVENUE

OWNER

UNIVERSITY OF MEMPHIS **MEMPHIS, TN 38152**

APPROVAL / DATE

PROJECT NUMBER

1009.07

SIGN TYPE

SHEET NO.

SP

02

SITE PLAN PLAN VIEW

MAIN CAMPUS MESSAGE SCHEDULE

1/31/13

					Installation Notes			Installation Notes		Installation Notes	TISTAIRATION NOTES	Installation Notes	Installation Notes		Installation Notes	Installation Notes		Installation Notes		
					Remarks	Header		Remarks	Header	Remark	Kellal K	Kemarks	Remarks		Kemark	Remarks		Remarks	Remains	
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					Sign Number	University of Membhis	(LED)	Number 2 SIDE A	University of Memphis	Sign Number	(Up Arrow) FedEx Institute of Technology Fogelman College of Business Information Center Roane Fieldhouse 1 Visitor Parking		ign Numbe	(Left Arrow) FedEx Institute of Technology Fogelman College of Business 3 Parking Garage 1		Sign Numbe	Athletic Office Ticketing Hall of Fame Finch Recreation Facili Information Center Wilder Tower Admissions 6 Financial Aid	ign Numbe	(Up Arrow) Campus Police Earthquake Research Parking Garage 2 Parking Services Roane Field House 8 Rose Theatre	(Up Arrow) Earthquake Research (Right Arrow) Campus Police Parking Garage 2 Parking Services Roane Field House
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KMA Design, Inc.

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A Comparison				Iniversity of Memphis		Header	
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	(Left Arrow)			
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	(Right Arrow)			
	Engineering			
	(Up Arrow) Cultural Communications			
	Fine Arts Music			
	Theatre Engineering			
	Visitor Parking (Central Avenue)			
	SIDE B			
	University of Memphis		Header	
	(Left Arrow) Engineering			
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	Parking Garage 2			
	(Up Arrow)			
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	Roane Fieldhouse			
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	University of Memphis		Header	
	(Up Arrow) FedEx Institute of Technology			
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	University or memprins (1 to Arrow)		Leadel	
	Administration Building Cultural Communications			
	Fine Arts Music			
	Theatre Engineering			
	McWherter Library Parking Garage 2			
	Roane Fieldhouse Rose Theatre			
	Student Parking (Recreation Center) University Center			
Campus Sign Type Sign Use Sign Location Sign N	Sign Number Message	Symbols	Remarks	Installation Notes
7 A A	SIDE A			
	University of Memphis		Header	
	(Up Arrow)			
	Art Building FedEx Institute of Technology			
	Fogelman College of Business Jones Hall			
	Cafeteria Meehan Journalism Building			
	Parking Garage 2 Psychology			
	(Left Arrow) Mynders Hall			
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	(Right Arrow)			
	Administration Building Parking Garage 2			
	Roane Fieldhouse Rose Theatre			
	University Center			
	SIDE B			
	University of Memphis		Header	
	(Angled Up Right Arrow)			
	Ellington Hall Mitchell Hall			
	Patterson Hall Wilder Tower			
	Admissions Financial Aid			
	(Right Arrow)			
	John Willard Brister Hall Johnson Hall			
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gn Type Sigr			المرابطاليانيا			
Sign B			Rose Theatre			
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<u>a</u>	Sign Locati	ation Sign Numbe	Message Richardson Towers	Symbols	Remarks	Installation Notes
	a @	. 2	Richardson Towers			
В	<u>8</u>	8	Fogelman College of Business & Administration Building			
<u>8</u>	<u>a</u>	4	Fogelman College of Business & Economics Classroom Building			
8	В	2	Fogelman Executive Center			
Δ.	Δ	9	NOT USED			
В	В	7	Cecil C. Humphreys School of Law			
<u>m</u> (<u>m</u> a	ω (I heatre and Communication Building			
<u>a</u> <u>a</u>	Δ Δ	10	Music Bullding Barbara K. Lipman School			
В	В	11	Engineering Administration			
В	В	12	Engineering Science Building			
8	В	13	Carpenter Student Housing Complex			
Sign Type Sign	Sign Use Sign Locati	14 Sign Number	Community Building Message	Symbols	Remarks	Installation Notes
Δ	В	15	Earthquake Research			
В	В	16	Ned R. McWherter Library			
B	B	17	Ned R. McWherter Library			
В	В	18	Hudson Health Center			
В	В	19	Hudson Health Center			
В	В	20	McCord Hall			
В	В	21	Browning Hall			
В	В	22	Robinson Hall			
В	В	23	Hayden Hall			
B	В	24	Scates Hall			
<u>B</u>	<u>B</u>	25	Michael D. Rose Theatre Lecture Hall			
Sign Type Sign	Sign Use Sign Locati	on Sign Number	Message V. Lane Rawlins University Services Court Building	Symbols	Remarks	Installation Notes
8	B	27	ᇤ			
B	B	28	Elma Roane Fieldhouse			
<u>a</u>	<u>a</u>	29	Parking Garage, Zach Curlin			
В	a	30	Darking Garage Zach Curlin			
) c	5 7	Committee Commit			
20 1	Δ (3.	Campus School			
Ω	<u>B</u>	32	E.C. Ball Hall			
В	В	33	E.C. Ball Hall			
В	В	34	Life Sciences Building			
В	В	35	J.M. Smith Hall			
ype Sign	Use Sign Locati	on Sign Numbe	Message Billy Mac Jones Building	Symbols	Remarks	Installation Notes
В	В	36	Aumnin Center Newport Hall			
<u>B</u>	В	37	Athletic Office Building			
α	a	20	S			
Sign Type Sign	Sign Use Sign Location	on Sign Number	Nessage Message	Symbols	Remarks	Installation Notes
B	<u>a</u>	40	Student Recreation & Fitness Center			
α	a	71	Ellinaton Hall			
Ω	0 1	- 4	Ellington nai			
20	n	42	Patterson Hall			
Δ .	<u>B</u>	43	Wilder Towers			
Ω	Δ.	44	University Center			
Δ	B	45	Administration Building			
Sign Type Sign	B B 4	46 on Sian Number	Administration Building Message	Symbols	Remarks	Installation Notes
B	8	47	John Willard Brister Hall			
B	В	48	Johnson Hall			
В	B	49	West Mynders Hall			
В	В	20	Mynders Hall			
В	В	51	Honors Hall			
В	B	52	Nellie Angel Smith Hall			
В	В	53	Rawls Hall			
n a	n a	5 2	Devrhalmay			
α	Δ α	4, r	rsychology Danhallanir Building			
م م	Δ Δ	20	Parmelleriic Bullunig			
B Sign Type Sigr	B Sign Use Sign Locati	56 on Sign Numbe	Communication & Fine Arts Building Message	Symbols	Remarks	Installation Notes

									Installation Notes								Installation Notes									Installation Notes											Installation Notes											Installation Notes								Installation Notes											Installation Notes				
ı									Remarks								Remarks									Remarks											Remarks											Remarks								Remarks											Remarks				
I									Symbols								Symbols									Symbols											Symbols											Symbols								Symbols											Symbols				
	Alumni Center	Alumni Center	Newport Hall	Nawnort Hall	Newport Hall	Ticketing Office	Hall of Fame	J.M. Smith Hall	Message Ellington Hall	Clement Hall	Datterson Hall	Maria IIII	Mitchell Hall	Jones Hall	Jones Hall Cafeteria	Art Building	Message Edward J. Meeman Journalism Building	Psychology Auditorium	Hoosting O Continue	a cooming a cooming	Panhellenic Building	Manning Hall	Winfield Dunn Hall	Winfield Dunn Hall	Ray L. Herzog Building	Message Fronting Technology Ruilding	Engineering Administr	Lingillecting Administration	Music Building	Communication & Fine Arts Building	Cecil C. Humphreys School of Law	Parking Garage Deloach	Fogelman Executive Center	Parking Garage Deloach	Manning Hall	Psychology	Message Message	Winfield Dunn Hall	Theatre and Communication Building	Parking Garage Zach Curlin	V. Lane Rawlins University Services Court Building	Life Sciences Building	University Center	J.M. Smith Hall	Datterson Hall	Tatter Soft Hall	Ellington Hall	John Willard Brister Hall Message	University Center	Clement Hall	Jones Hall Cafeteria	Jones Hall	Mynders Hall	Mynders Hall		Message Earthquake Research & Information Building 5	Earthquake Research & Information Building 4	Earthquake Research & Information Building 2	- G	Earinquake Kesearch & Information Building 1	Earthquake Research & Information	Community Building	Barbara K. Lipman School	Fogelman College of Business Administration Building	Panhellenic Building	Heating & Cooling Plant	Message Ray L. Herzog Building	Mitchell Leal	Mitcheil Hall	Mitchell Hall	
I	2	3	4	ıc	0	9	7	8	Sign Number	10	1-1	-	7.1	13	14	15	Sign Number 16	17		2	19	20	21	22	23	Sign Number		70	03	D4	05	90	27	38	60	10	Sign Number	11	12	13	14	15	16	17	2	2 (61	20 Sign Number	21	22	23	24	25	26		Sign Number 01	02	03		74	05	90	27	80	60	10	Sign Number	: 2	75	13	
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Ī	B	B	B	8	0	<u>B</u>	B	B B	Sign Use S	B			A	B B	B	8	Sign Use S	8			8 8	8 8	8	8 B	8	Sign Use S			Ω Ω	B	B	B	3 B	B B	8		Sign Use S	B B	B	B	B	B	8 B	B			R	Sign Use Sign Location Sign Number	B	8	B	B	B	B		Sign Use Si									B	8 B	Sign Use S		8 4	B	-
		8.1 B			1.0					8.1					8.1		Sign Type	8 1 B				-	8.1			Sign Type				9 8				9 E			Sign Type								. 0			9 B B				9 B			- 1 - 1	Sign Type 9.1 B	.1	9.1 B				_		9.1 B		9.1 E	Sign Type 9.1		1.1	9.1 B	,
	Σ	Σ	Σ	2	IM.	≥	∑		Campus	Σ			Σ	Σ Σ	Σ	Σ	Campus				≥	Σ	Σ	Σ		Campus			Σ.	Σ	Σ	Σ	Σ	- S	2	<u> </u>	Campus	Σ	∑	Σ	Σ	≥	Σ	Σ			Σ	Campus		6	Σ	Σ	Σ	Σ		Campus	δ. Δ	Σ		Σ	Σ	Σ	Σ	Σ	Σ	5 W	Campus		Σ	Σ	N

9.1							
2 1			16	Nellie Angel Smith Hall			
-			17	Rawls Hall			
<u></u>	В		18	Nellie Angel Smith Hall			
<u>-</u>			19	Rawis Hall			
9.1 Sign Type	Sign Use	B Sign Location S	20 Sign Number	Edward J. Meeman Journalism Building Message	Symbols	Remarks	Installation Notes
0			01	Message TBD by UOM			
10			002	Wessage 1BD by DOM			
	E R		03	Message IBD by UOM			
0	B B		04	Message TBD by UOM			
0	E		05	Message TBD by UOM			
0	E		90	Message TBD by UOM			
10	E		07	Message TBD by UOM			
			80	Message TBD by UOM			
	E		60	Message TBD by UOM			
0				Message TBD by UOM			
Sign Type	Sign Use Si	Sign Location S	Sign Number	Message TBD by UOM	Symbols	Remarks	Installation Notes
			-	wesseld the by com			
	B		12	Message TBD by UOM			
	E		13	Message TBD by UOM			
	E		14	Message TBD by UOM			
			L	MOLL CALL CONTRACTOR			
0	E		15	Message IBD by UOM			
0	E		16	Message TBD by UOM			
0	E		17	Message TBD by UOM			
10	a		18	Ve CBD and TBD by			
0	E		18	Message			
0	E		B 19	Message TBD			
	E		20	Message TBD by UOM			
Sign Type	Sign Use Si	gn Location	Sign Number	Message TRD by HOM	Symbols	Remarks	Installation Notes
	1 0			of Second			
10	B		22	Message TBD by UOM			
0	E		23	Message TBD by UOM			
0	E		24	Message TBD by UOM			
0	B		25	Message TBD by UOM			
	E		26	Message TBD by UOM			
0			27	Message TBD by UOM			
	a		78				
				and a second			
0			29	Message TBD by UOM			
Ш	ш		30	Message TBD by UOM			
Sign Type	Sign Use Sign	gn Location	Sign Number	Message TBD by IIOM	Symbols	Remarks	Installation Notes
0	В		32	Message TBD by UOM			
	E		33	Message TBD by UOM			
	a		34	Message TRD by IIOM			
	J		+0	Message 150 by com			
	В		35	Message TBD by UOM			
	E		36	Message TBD by UOM			
	E		37	Message TBD by UOM			
			20	Mocrado TBD by HOM			
	Δ Δ		20				
			39	TBD by			
	E		40	Message TBD by UOM			
10			41	Message TBD by UOM			
			42	T C C C			
			4.2	2			
10 Sign Type	E B B B B B B B B B B B B B B B B B B B	an Location	43 Sign Number	Message TBD by UOM	Symbols	Remarks	Installation Notes
il l			44	Message TBD by UOM			
10	B		45	TBD			
				I			
0	B		46	Message TBD by UOM			
0	E		47	Message TBD by UOM			
0	B		48	TBD			
10			B Message	 			
			47				
10 Sign Type	E B B	an Location	50 Sign Number	Message TBD by UOM Message	Symbols	Remarks	Installation Notes
	E		51	Message TBD by UOM			
0	E		52	Message TBD by UOM			
			C	ш.			
0	B		53	Message TBD by UOM			
	Ш		54	Message TBD by UOM	I		
	В		55	Message TBD by UOM			
			7.5	MACCOUNTED BY U. HOMA			
	E		26	Message IBD by UOM			
10	E B		1.3	AA TOD KI, HOMA			

1/31/13

				Installation Notes														Installation Notes									Installation Notes															Installation Notes Location to be field verified				Location to be field verified				Location to be field verified				
				Remarks														Remarks									Remarks															Remarks Header			Footer	Header			Footer	Header			Footer	
				Symbols														Symbols									Symbols															Symbols												
Message TBD by UOM Message TBD by UOM	Message TBD by UOM Message Message TBD by UOM		ργ		Message TBD by UOM	Message TBD by UOM Message TBD by UOM	Message TBD by UOM Message	Message IBD by UOM Message IBD by UOM	Message TBD by UOM Message	Message TBD by UOM	Message TBD by UOM	Message I BD by UOM Message TRD by IIOM	[[2	Message TBD by IIOM	Message TBD by UOM		Message TBD by UOM	Message University of Memphis	Campus Directory	CENTRAL AVENUE ENTRANCE		University of Memphis	Campus Directory	WALKER AVENUE ENTRANCE		University of Memphis	Campus Directory	PARKING GARAGE #1																										
59	09	61	62	63 Sign Number 64	65	99	67	68	69	71	72	73	74	75	76	77	78	79 Sign Number	80	82	83	84	85	98	87	88	89 Sign Number	0	91	92	94	95	96	97	98	66	100	101	102	103	104	Sign Number				2				3				
м м				ign Location					B B									ign Location									ign Location															Sign Location 9				A				A				
ш (М)	<u>a</u>		ш	Sign Use			Ш											Sign Use									Sign Use															Sign Use S				Ш				В				ı
10 10	10 E	10 E	10 E	10 E Sign Type 10 E		10 E	10 E			10 E			10 E			10 E		10 E		10 E		10 E		10 E	10 E		10 E					10		10 E		10 E	10 E			10 E	10 E	Sign Type 26				26				26				
ΣΣ	Σ	Σ	Σ	Campus	Σ	Σ	Σ	∑ :	Σ	Σ Σ	\	Σ	Σ	Σ	Σ	Σ	Σ	Campus	≥ ≥	Σ	Σ	Σ	Σ	Σ	Σ	Σ	M Campus	Σ	Σ :	E S	E E	 	Ξ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	П	Campus				Σ				Σ				:

KMA Design, Inc.

	Location to be field verified		Installation Notes	Location to be field verified	Installation Notes	Location to be field verified		Installation Notes	Location to be field verified	Installation Notes	Location to be field verified		Installation Notes	Location to be field verified	Sold Material	Location to be field verified		Installation Notes	Location to be field verified		Installation Notes	Location to be field verified		Installation Notes	Location to be field verified	Installation Notes	l ocation to be field verified		Location to be field verified		Installation Notes	Location to be field verified		Installation Notes	Location to be field verified	Installation Notes	Location to be field verified		Installation Notes	Location to be field verified		Installation Notes	Location to be field verified	:	Installation Notes	Location to be field verified	Installation Notes	Location to be field verified		
	Footer Header		Footer		Remarks			Remarks		Remarks			Remarks		O)score	SVIIII V		Remarks			Remarks			Remarks		Remarks		Remarks			Remarks			Remarks		Remarks			Remarks			Remarks			Remarks		Remarks			
			Symbols		Symbols			Symbols		Symbols			Symbols		Sumbolo	Symbols		Symbols			Symbols			Symbols		Symbols		Symbols			Symbols			Symbols		Symbols			Symbols			Symbols			Symbols		Symbols			
Campus Directory PARKING GARAGE #2	University of Memphis	Campus Directory SOLITHERN AVENUE ENTRANCE	Message	University of Memphis	You Are Here	University of Memphis	You Are Here	Message	University of Memphis You Are Here	Message	University of Memphis	You Are Here	Message	University of Memphis	You Are Here	University of Membhis	You Are Here	Message	University of Memphis	You Are Here	Message	University of Memphis	You Are Here	Message	University of Memphis	Message	University of Memohis	You Are Here Wessage	University of Memphis	You Are Here	Message	University of Memphis	You Are Here	Message Heiszereites of Momentain	University or Mempris You Are Here	Message	University of Memphis	You Are Here	Message	University of Memphis	You Are Here	Message	University of Memphis	You Are Here	Message Haironditte of Momentic	University of Memphis	You Are Here Message	University of Memphis	You Are Here	
	5		Sign Number	-	Sian Number	2		Sign Number	m m	Sign Number	4		Sign Number	2	N soil	9		Sign Number	7		Sign Number	ω		Sign Number	6	Sian Number	10	Sign Number	11		Sign Number	12		Sign Number	2	Sign Number	14		Sign Number	15		Sign Number	16		Sign Number		Sign Number	18		
	A		Sign Location	A	Sign Location			Sign Location	4	Sign Location	A		Sign Location	A	1000	41011		Sign Location	A		Sign Location	A		Sign Location	4	Sign Location		Sign Location	A		Sign Location	4		Sign Location	4	Sign Location			Sign Location	A		Sign Location	А	:	Sign Location	4	Sign Location			
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	26		Sign Type	29	Sign Type	29		Sign Type	29	Sign Type	29		Sign Type	29	Cart asio	29		Sign Type	29		Sign Type	29		Sign Type	29	Sign Type	29	Sign Type	29		Sign Type	29		Sign Type	67	Sign Type	29		Sign Type	29		Sign Type	29	i	Sign Type	29	Sign Type	29		
	Σ		Campus	Σ	Campus	∑ ∑		Campus	Σ	Campus	Σ		Campus	Σ		<u>8</u>		Campus	Σ		Campus	Σ		Campus	≥	Campus	Σ	Campus	Σ		Campus	Σ		Campus	Σ	Campus	Σ		Campus	Σ		Campus	Σ		Campus	Σ	Campus	Σ		

PARK AVENUE CAMPUS MESSAGE SCHEDULE

1/31/13 University of Memphis

Sign Type	Description	onal Small					
7	Pedestrian Direc Large Freestandi	tional ing Building Ide					
	Small Freestand Small Wall Moun	ing Building Id t Building Ider					
26 29	Campus Director Small Freestandi	y ry Freestanding ing Directory	$ \cdot $				
Symbols	Description Parking						
Campus	Sign Type	Sign Use	Sign Location Sign Num A 01	Nessage (Right Arrow)	Symbols	Remarks	Installation Notes
				Softball Park Athletic Fields			
				Athletic Irainii Football Fields Baseball Stadi			
				(Left Arrow)			
				Defense Contract Audit Institute Student Housing Speech and Hearing Center			
				(Up Arrow) Biology			
				Psychology			
S	4	4	A 02	(Right Arrow) Golf Center			
				(Up Arrow) Softball Park			
				Athletic Fields Baseball Park			
				Athletic Iraining Facilities Football Practice Fields			
S	4	A	A 03	(Left Arrow) Baseball Field			
				Athletic Training Facilities Football Practice Fields			
\perp				Softball Park Golf Center			
S	Sign Type 4.1	Sign Use	Sign Location Sign Number	Message (Up Arrow) Park Avenue Campus	Symbols	Remarks	Installation Notes
				Athletic Fields Baseball Field			
\ \rangle \(\sigma \)	4.1	4	4	Softball Park (Right Arrow)			
				Park Avenue Campus Athletic Fields			
				Softball Park			
S	4.1	A	A 3	(Left Arrow) Park Avenue Campus			
				Athletic Fields Baseball Field			
S	4.1	A	A 4	(Right Arrow)			
				Park Avenue Campus Athletic Fields			
				Baseball Field Softball Park			
S	4.1	A	A 5	(Left Arrow) Park Avenue Campuis			
				Athletic Fields Baseball Field			
				Sortball Park			
S	4.1	A	A 6	(Right Arrow) Park Avenue Campus			
				Athletic Fields Baseball Field Softball Park			
S	4.1	4	A 7	(Up Arrow)			
				Athletic Training Facilities Football Practice Fields			
S	4.1	A	A 8	± 7			
				Usernse Contract Audit Institute			
				Student Housing Speech and Hearing Center			
Campus	Sign Type	Sign Use	Sign Location Sign Number	(Right Arrow)	Symbols	Remarks	Installation Notes
				Speech and Hearing Center			
				(Up Arrow) Student Housing			
S	7	A	A 01	(SIDE A) University of Memphis		Header	
				(Right Arrow)			
			_	Baseball Stadium			

KMA Design, Inc.

			Athletic Fields/Track			
			Athletic Training Facilities Football Practice Fields			
			(Left Arrow)			
			Catfish Research Center Defense Contract Audit Institute			
			Reading Center Speech and Hearing Center			
			(Up Arrow)			
			Student ramily Housing Complex (SIDE B)			
			University of Memphis		Header	
			(Right Arrow) Biology Center			
			Catfish Research Center Defense Contract Audit Institute Opera Memphis			
			Physics Center			
			(Left Arrow) Athletic Fields/Track			
			Athletic Iralning Facilities Baseball Field Football Practice Fields			
			(Up Arrow)			
			oftball Park solf Center			
Campus Sign Type	Sign Use B	Sign Location Sign Number B 1 C	Message Catfish Research Annex	Symbols	Remarks	Installation Notes
88	<u>B</u>	B 2	Physics Center			
ω ω	8	m	Bioloay Center			
	<u>a</u>		Date of the control o			
8 8	В	8	Classrooms			
8	<u>B</u>	В	Offices			
8 8	В		Catfish Research Center			
88	В	B 7	Defense Contract Audit Institute			
<u>ω</u>	<u>B</u>	Ш	Maintenance/Grounds/Storage			
88	B	6	Speech and Hearing Center			
8	B	B 10	Reading Center			
88	<u>B</u>	B 11	Athletic Training Facilities			
8	B	B 12	WKNO - FM		VERIFY)	
o	a	2,	Catfich Docoarch Annov			
2	2	2	סמוואו ועפאפו כון אווופא			
8	B	B 14	Golf Center			
5 9.1	B	B 1	Purchasing			
9.1	<u>m</u>	Ш	Storage			
8 9.1	В	3	Records Storage			
5 9.1	B		Reading Center			
C			Physics			
Campus Sign Type	Sign Use	ign Location	Message	Symbols	Remarks	Installation Notes
9.	В	9	Biology			
8 9.1	В		Paint Shop			
S 9.1	B	8	Central Receiving			
			Building 34			
9.1	<u>B</u>	8 8	Central Receiving Building 43			
9.1	<u>B</u>	B 10	Heating Plant			
S 9.1	B	B 11	Opera Memphis			
		,				
9.1	<u>8</u>		Catfish Research Center (East)			
S 10	B	-				
2 10	В	8	Message TBD by UOM			
S 10	B		essage TBD by			
S 10	В	B 4	Message TBD by UOM			

1/31/13

													Installation Notes											
									I				Remarks											
	H												Symbols											
Message TBD by UOM	Mossage Message	Message IbD by OOM	Message TBD by UOM	Message TBD by UOM	University of Memphis	You Are Here																		
Ω	9	7	8		10	11	12	13	14	15	16	17	Sign Number		19	20	-		2		3		4	
B B	B	В	B	B B	8	В	В	В	В	B	В	8	Sign Use Sign Location S		B	8	E		E		A		E	
10 E	10 E	10	10	10 E	10 E	10 E	10 E	10	10	10 E	10	10	Sign Type		10	10 E	29 E		29 E		29 E		29 E	
S	S	S	S	S	S	S	S	S	S	S	S	S	Campus	0	S	S	S		S		S		S	

CLEANING & MAINTENANCE

MEMPHIS

14. CLEANING & MAINTENANCE

The exterior signage should be washed at regular intervals to maintain the finish and appearance. The use of a mild cleaner, such as one that would be suitable for washing a car, is required. Do not use any cleaners with a high alkaline content, such as caustic potash, soda, lye or and scouring powder, as those types of cleaners will damage the paint finish.

Monthly (Every four weeks)

- Inspection of all signs is to occur on a monthly basis by dedicated personnel.
- Sign units should be cleaned of any debris or spotting that may interfere with the legibility or aesthetic qualities. Loose elements should be refastened and con nected appropriately.
- Any overgrowth of landscaping and / or water damage should be corrected as a part of routine inspection.

Semi-Annually (Every six months)

- In April / May and October / November, the exterior aluminum signs should be washed with a mild detergent, either by hand or, if allowed, by using a pressure
- After washing, thoroughly rinse with clean water to remove all traces of the mild detergent. Remove all surface water using a rubber squeegee, chamois leather, sponge or soft dry cloth to avoid "spotting" due to the minerals present in the rinse water.
- Polish using a non-abrasive automotive polish

ORDERING

THE UNIVERSITY OF MEMPHIS

15 ORDERING

Responsibility for updating the sign system is assigned to the Sign Coordinator.

This manual and knowledge of the system is needed to order new and replacement signs. It is critical that sizes, formats, color and placement be consistent with the existing signage program.

To order signs, photocopy the appropriate Sign Types pages and order form from this manual. Always return the original Sign Type pages to the manual for future use.

Specify the following on the order form:

- Item number
- Sign type letter
- Quantity

Message copy — provide exactly as required, using upper and lower case as necessary.

THE UNIVERSITY OF MEMPHIS

15 ORDERING

TITLE: _	
EPAR	MENT:
LOOR:	
SIGN MI	ESSAGE REQUESTED:
DESIRE	D SIGN LOCATION:
QUANTI	TY (IF APPLICABLE):
	HE SIGN CURRENTLY EXIST: YES NO

AS-BUILTS

