

## DIVISION 4 MASONRY

### 04 20 00 Unit Masonry

#### PART 1: GENERAL

##### 1.01 Scope of Standard

- A. This standard provides general guidance concerning the specific preferences of the Texas State University for manufactured units of masonry, both load bearing and non-load bearing.
- B. Texas State University recognizes that project conditions and requirements vary, thus precluding the absolute adherence to the items identified herein in all cases. However, unless there is adequate written justification, it is expected that these guidelines will govern the design and specifications for Texas State University projects.

##### 1.02 Design Guidelines

- A. Unity Through Design Expression: San Marcos Campus
  1. As the major design tool in the creation of unity among Texas State University campus buildings, employ brick masonry as the predominant exterior building material, with stone or precast concrete door and window lintels/sills, and with stone or precast concrete floor articulated courses. Refer to the 2006-2017 Master Plan for design guidelines.
  2. The strength and appeal of this basic material are universal. Repeat the use of face brick of tan color and of velour texture to match brick masonry of recently constructed Texas State University buildings.
- B. Unity Through Design Expression: Round Rock Campus
  1. As the major design tool in the creation of unity among Texas State University-Round Rock campus buildings, employ brick masonry and chopped limestone as the predominant exterior building material.
  2. Repeat the use of face brick of tan color and chopped limestone, with punched windows, to match the character of the Avery Building.
- C. Brick Masonry Approval
  1. Early in the construction phase, before the material is installed, secure University approval of samples and sample panels of actual brick, or other material, proposed for installation on the new building's exterior walls.
  2. Contractor shall be required to construct a sample panel (8' L. X 6' H. minimum) showing brick and mortar color and any other materials (stone, plaster, cap flashing, window, etc.)
  3. The contractor shall allow a minimum 6 weeks review rework and approval of the sample panel before ordering brick.

4. Locate in full sun & as directed by Texas State University representative.
5. Mock up will be constructed no later than 3 months prior to needing masonry delivered to the construction site.
6. Deviation from Brick. If, in the design of a new building, the architect proposes a deviation from the brick masonry envelope described above, Texas State University must approve such deviation in writing

#### 1.03 Reference Standards

- A. Reinforced Grouted Brick Masonry, Masonry Institute of America
- B. Masonry Veneer (Second Edition), Masonry Institute of America
- C. Reinforced Masonry Engineering Handbook (Fifth Edition Updated), Masonry Institute of America.
- D. 1997 Masonry Codes and Specifications, Masonry Institute of America
- E. Reinforcing Steel in Masonry, Masonry Institute of America
- F. Technical Notes on Brick Construction, Brick Industry Association
- G. The Secretary of the Interior's Standards for the Treatment of Historic Properties 1995, U.S. Dept. of the Interior, National Park Service.

## PART 2: PRODUCTS

### 2.01 Brick Veneer:

- A. San Marcos Campus:
  1. Brick: To match Acme Brick Company "Doeskin Elgin 186" blend-modular, velour texture (Project Code 151860121)
  2. Accent Brick: Acme Brick, 138, Royal Brikdale, R#035504, Denton, TX, Product Code 29-238-01-27
    - a. To be used only as accent brick course(s) on perimeter brick monument signs and fence columns.
- B. Round Rock Campus: (Avery Building)
  1. Brick: To match "Painted Desert #230", Velour face, as manufactured by Acme Brick (Project Code 152300121)-modular.
  2. Stone: To match "Austin Cream Stone" Tan Limestone, dimensioned chapped-face limestone from Gamboa Quarry, Liberty Hill, Texas: nominal 12" X 24", and matching cast stone lintels.

- C. Consultant shall arrange to bring brick supplier into the design process early to verify any new developments in brick production that may impact brick unit appearance or delivery.
- D. New masonry used in renovation work is to match the masonry of the existing building.
- E. Grout: Coordinate color of mortar with the Texas State University project representative. Use only a pre-mixed mortar, with no calcium chloride admixtures.
  - 1. San Marcos Campus: Spectrum, Eldridge Buff color.
- F. Repointing should occur in advance of cleaning, unless authorized by Texas State University project representative.

#### 2.02 Sign Letters

- 1. The “Texas State University” letters are 8” high, all upper case, Times Bold, font, 1” return, dark bronze anodized aluminum, water jet cut.
- 2. The “Established 1899” letters are 4” high, all upper case, Times Bold, font, 1” return, dark bronze anodized aluminum, water jet cut.

2.03 Perimeter Campus Brick Columns (San Marcos): Refer to Exhibits 1 & 2

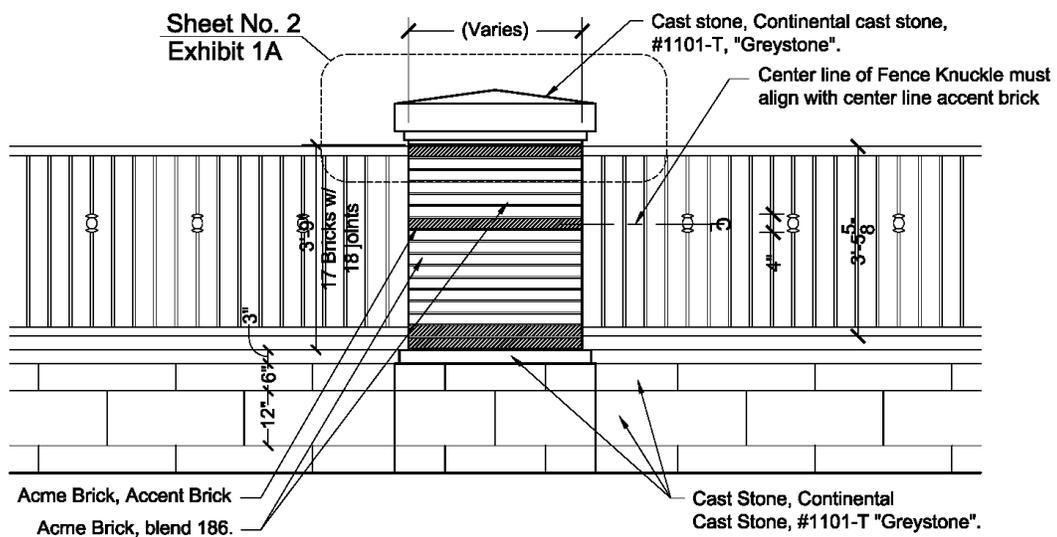
2.04 Perimeter Campus Brick Monument Signs (San Marcos): Refer to Exhibits 1-10.

2.05 Sealer: Same as sealer under Unit Masonry Cleaning & Restoration

### **PART 3: EXECUTION: (NOT USED)**

END OF SECTION 04 20 00

# Exhibit 1:



## Brick Column Elevation

No Scale

**Notes:**

- 1. All Brick Joints  $\frac{3}{8}$ " high.

**Brick Mortar:**

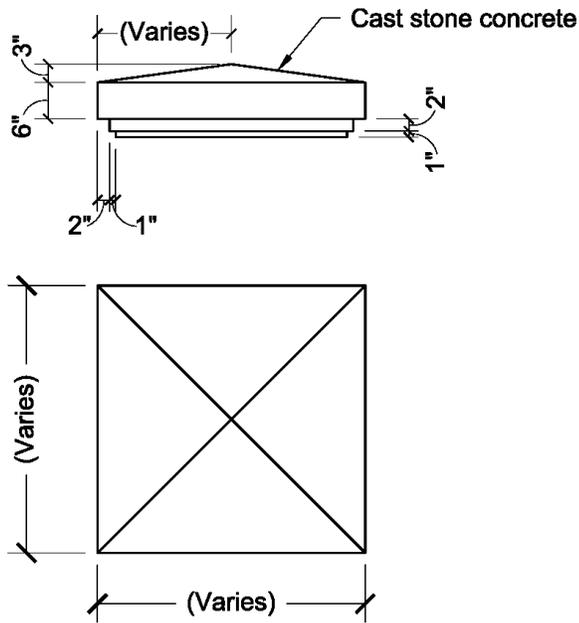
- 1. Spectrum, Eldridge "Buff".

**Cast Stone Mortar:**

- 1. Spectrum, Eldridge "Khaki".

<p>801 University Drive San Marcos, Texas 78666-4616 Phone: (512)245-2202 Fax (512)245-8839</p>	<p>Title: Campus Perimeter Campus Brick Columns Only</p>	<p>Sheet No.:</p>
	<p>File updated: 5/28/2013 Plot Date: 6/6/2013</p>	<p><b>1</b> of 2</p>
	<p>File name: Brick Column Standard</p>	

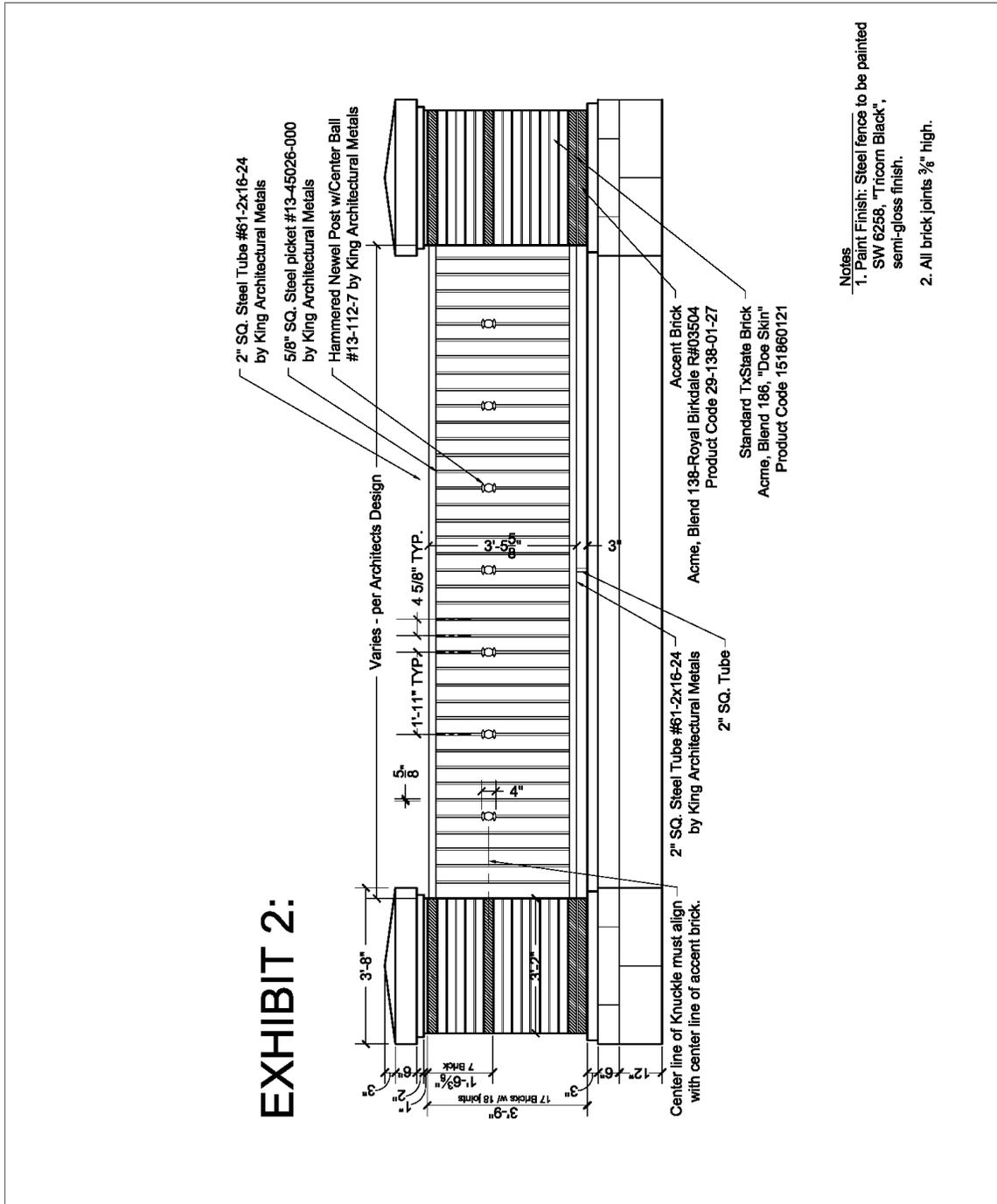
# Exhibit 1A:



**Column Cap Detail**

1/2" = 1'-0"

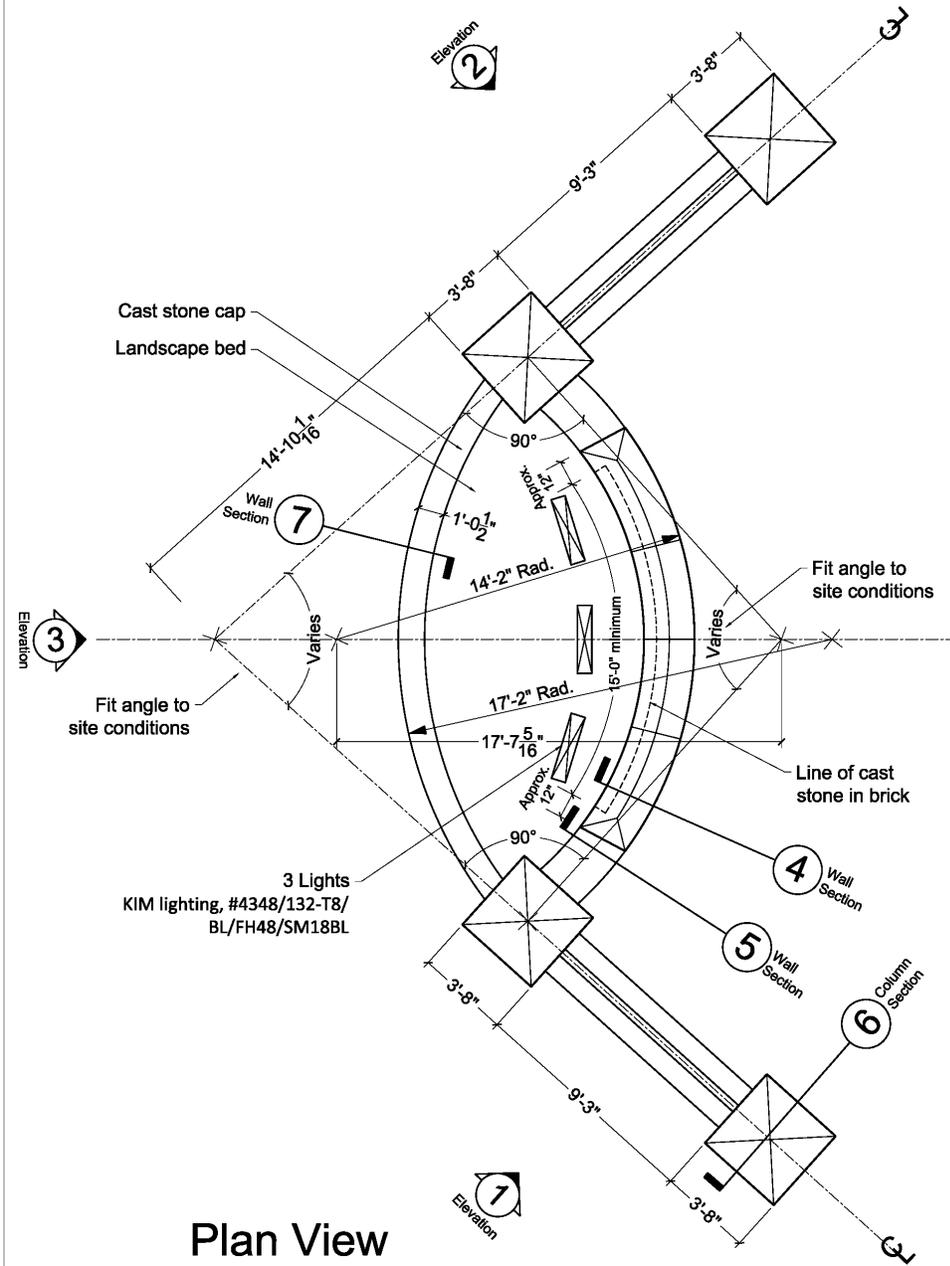
 <p>601 University Drive San Marcos, Texas 78666-4616 Phone: (512)245-2202 Fax (512)245-8839</p>	Title: Column Cap Detail	Sheet No.:
	File updated: 4/22/2009 Plot Date: 5/28/2013	<b>2</b> of 2
	File name: Brick Column Standard	



- Notes**
1. Paint Finish: Steel fence to be painted SW 6258, "Tricorn Black", semi-gloss finish.
  2. All brick joints  $\frac{3}{8}$ " high.

 801 University Drive San Marcos, Texas 78666-4616 Phone: (512)245-2202 Fax (512)245-8839	Title: Campus Perimeter Brick Fence and Ornamental Rail		Sheet No.:
	File updated: 6/6/2013 Plot Date: 6/6/2013		<span style="font-size: 2em; font-weight: bold;">1</span> of 1
	File name: Fence Standard a		

# Exhibit 3:

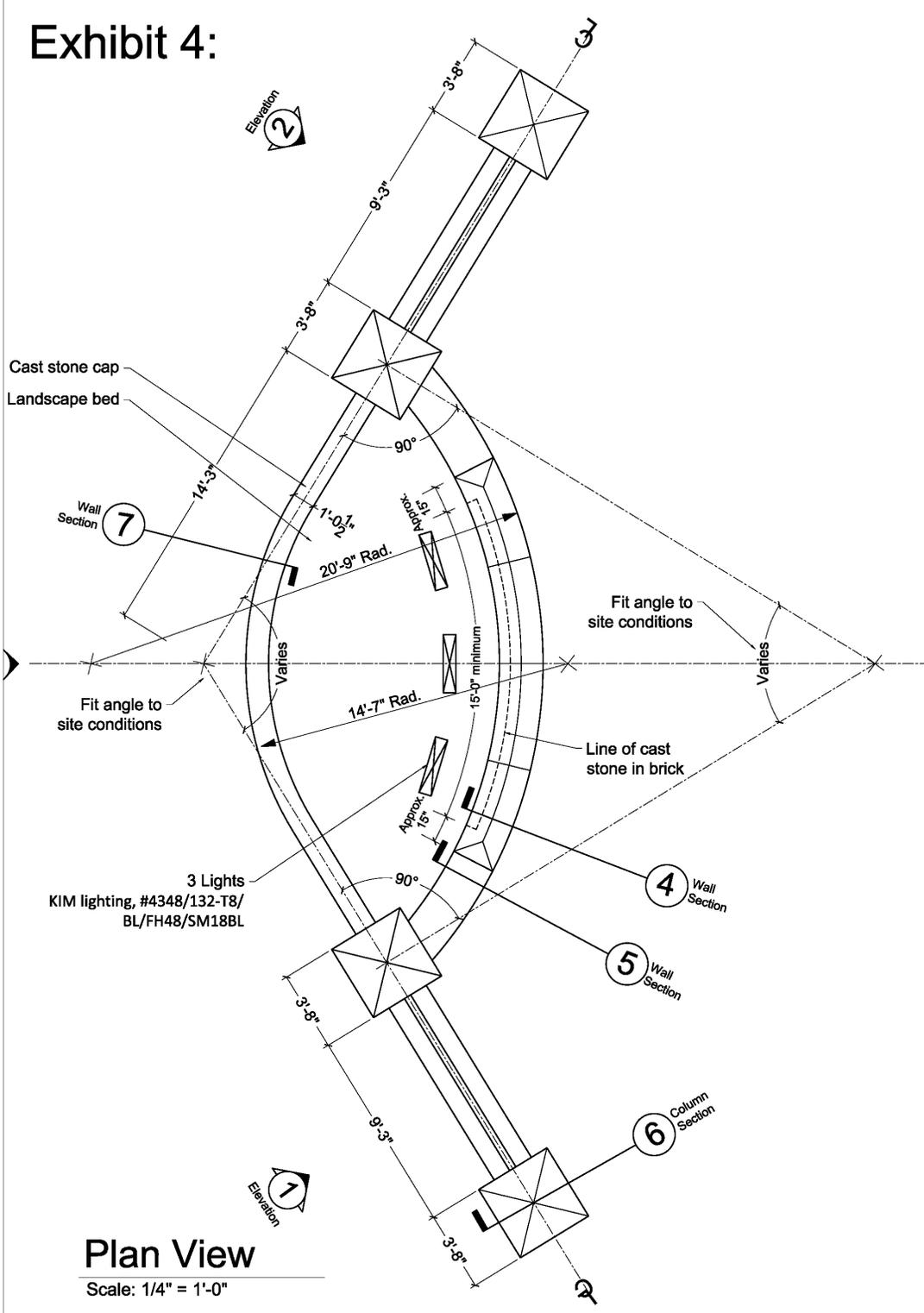


**Plan View**

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

<p>601 University Drive San Marcos, Texas 78666-4616 Phone: (512)245-2202 Fax (512)245-8839</p>	<p>Title: Campus Standard Small Monument Sign</p>	<p>Sheet No.:</p>
	<p>File updated: 6/6/2013 Plot Date: 6/6/2013</p>	<p><b>1</b> of 12</p>
	<p>File name: StandardMonumentSign1.dwg</p>	

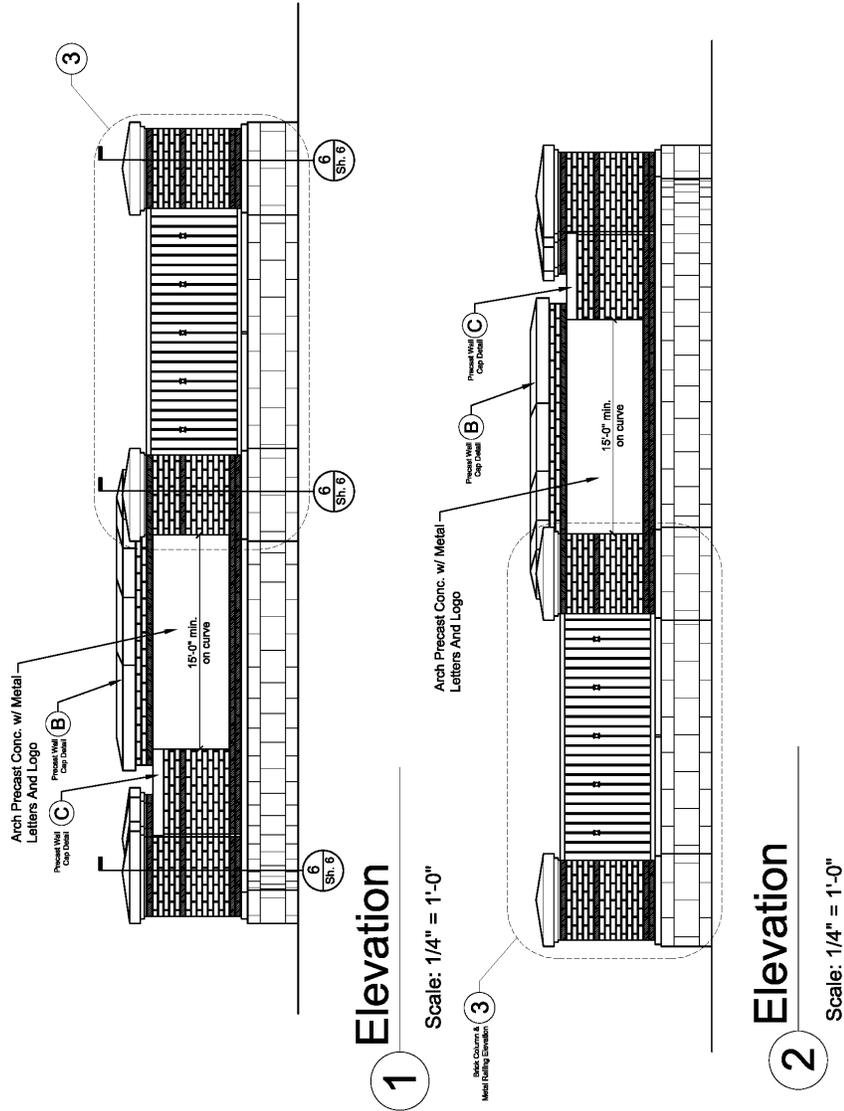
**Exhibit 4:**



**Plan View**  
Scale: 1/4" = 1'-0"

<p>601 University Drive San Marcos, Texas 78666-4616 Phone: (512)245-2202 Fax (512)245-8839</p>	<p>Title: Campus Standard Large Monument Sign</p>	<p>Sheet No.:</p>
	<p>File updated: 6/6/2013 Plot Date: 6/6/2013</p>	<p><b>2</b> of 12</p>
	<p>File name: StandardMonumentSign1.dwg</p>	

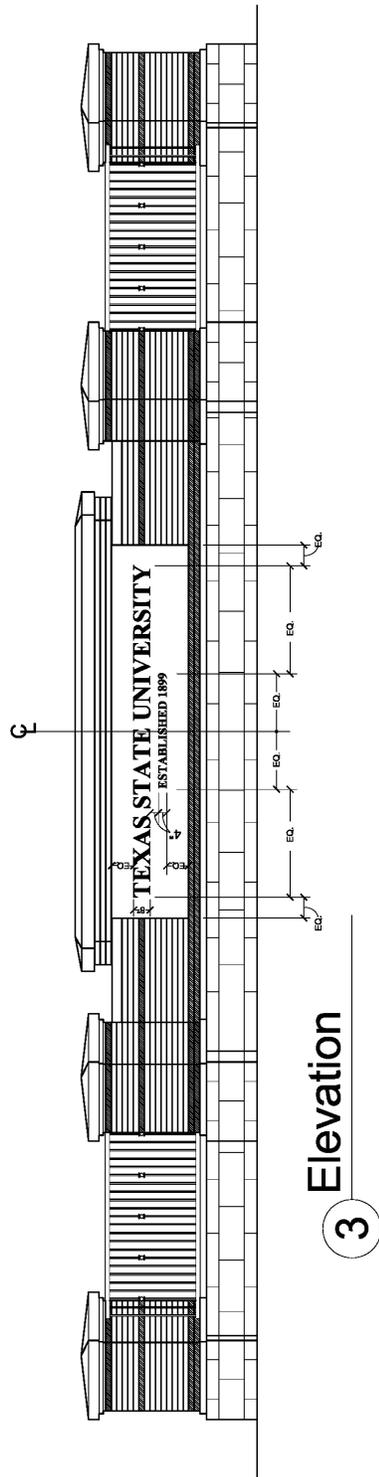
# Exhibit 5:



<p>801 University Drive San Marcos, Texas 78666-4616 Phone: (512)245-2202 Fax (512)245-8839</p>	<p>Title: Campus Standard Monument Sign</p>	<p>Sheet No.:</p>
	<p>File updated: 6/6/2013 Plot Date: 6/6/2013</p>	<p><b>3</b> of 12</p>
	<p>File name: StandardMonumentSign1.dwg</p>	

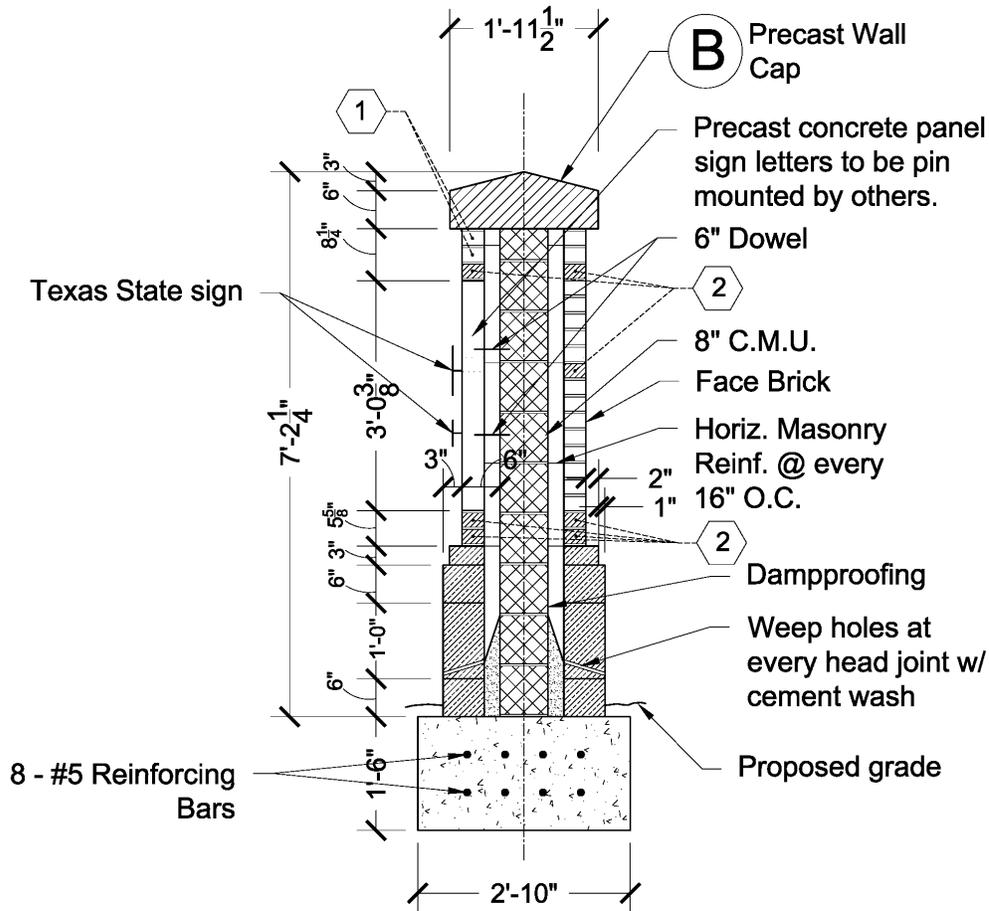


# Exhibit 7:



 601 University Drive San Marcos, Texas 78666-4616 Phone: (512)245-2202 Fax (512)245-8839	Title: Campus Standard Monument Sign	Sheet No.:
	File updated: 6/6/2013 Plot Date: 7/9/2013	<b>5</b> of 12
	File name: StandardMonumentSign1.dwg	

# Exhibit 8:



## 4 Wall Section A

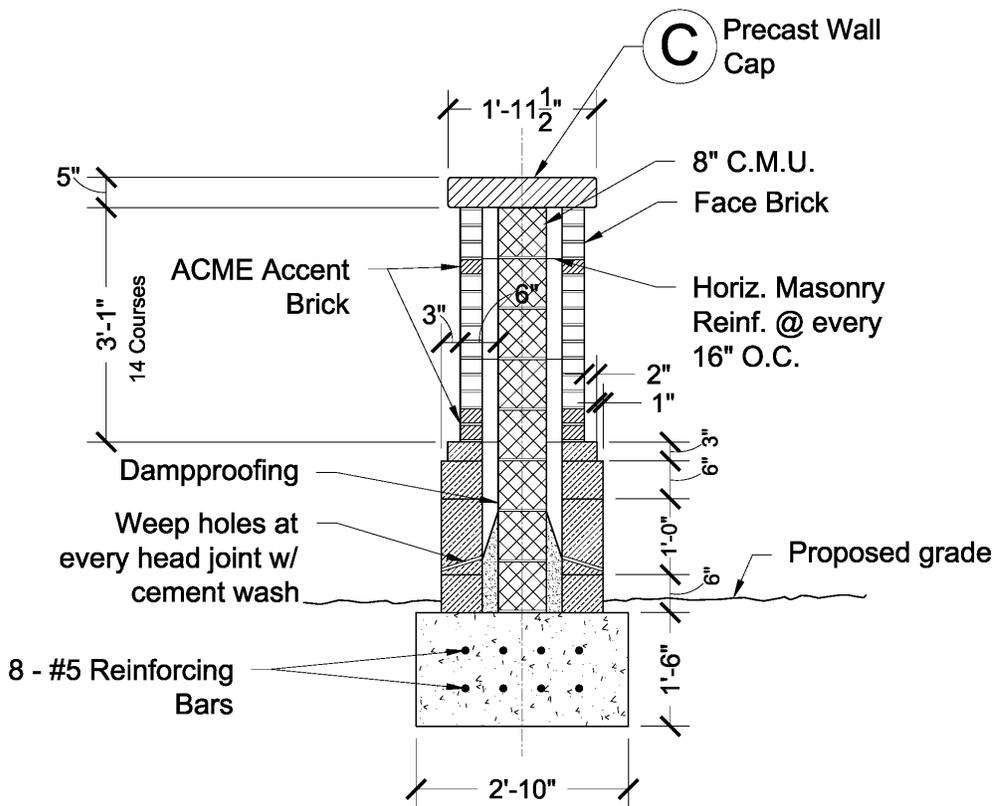
Scale: 3/4" = 1'-0"

### Brick Legend:

- 1 Acme Brick, Blend 186, "Doeskin", code 151860121.
- 2 Acme Brick, Blend 138, Royal Birkdale, Denton, TX, code 29-138-01-27.

 601 University Drive San Marcos, Texas 78666-4616 Phone: (512)245-2202 Fax (512)245-8839	Title: Campus Standard Monument Sign	Sheet No.:
	File updated: 7/9/2013 Plot Date: 8/2/2013	<span style="font-size: 2em; font-weight: bold;">6</span> of 12
	File name: StandardMonumentSign1.dwg	

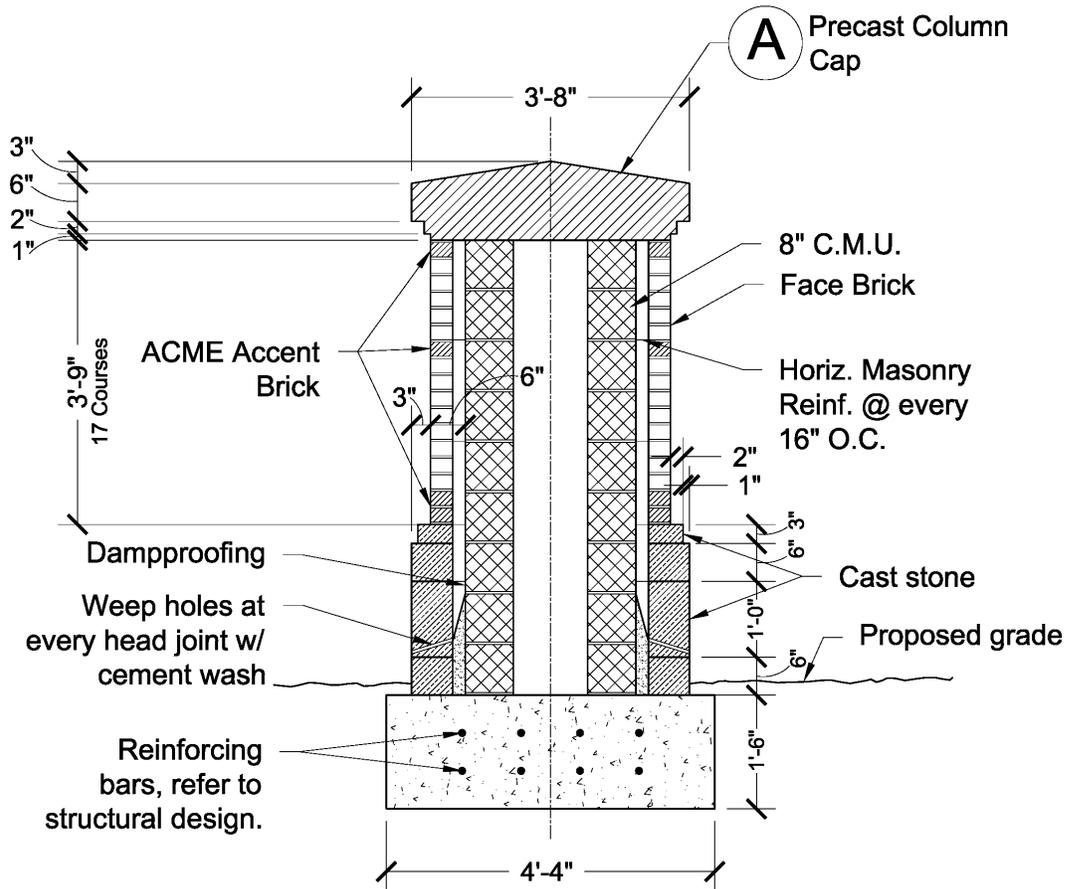
Exhibit 9:



**5** Wall Section B  
Scale: 3/4" = 1'-0"

 601 University Drive San Marcos, Texas 78666-4616 Phone: (512)245-2202 Fax (512)245-8839	Title: Campus Standard Monument Sign	Sheet No.:
	File updated: 6/6/2013 Plot Date: 6/6/2013	<b>7</b> of 12
	File name: StandardMonumentSign1.dwg	

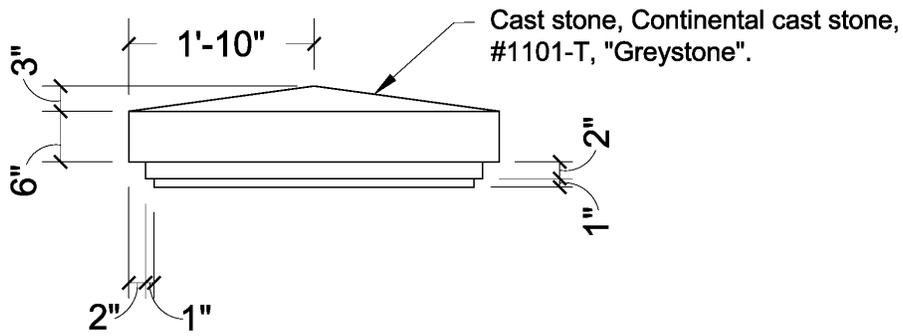
Exhibit 10:



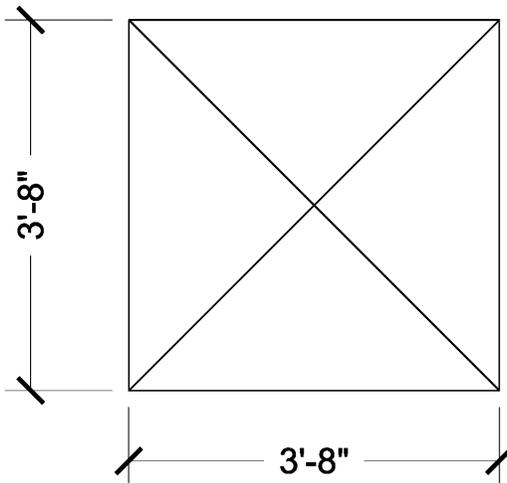
**6** Column Section  
Scale: 3/4" = 1'-0"

<p>TEXAS STATE 601 University Drive San Marcos, Texas 78666-4616 Phone: (512)245-2202 Fax (512)245-8839</p>	<p>Title: Campus Standard Monument Sign</p>	<p>Sheet No.:</p>
	<p>File updated: 6/6/2013 Plot Date: 6/6/2013</p>	<p><b>8</b> of 12</p>
	<p>File name: StandardMonumentSign1.dwg</p>	

# Exhibit 11:



Elevation

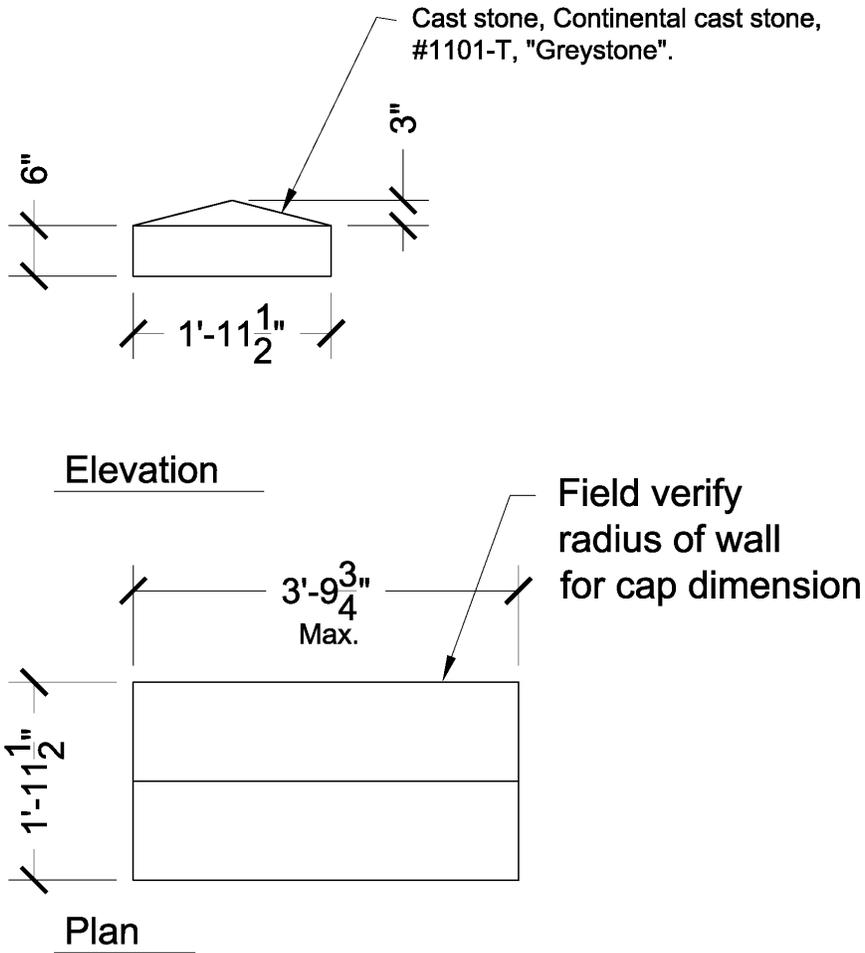


Plan

**A** Precast Column Cap  
 Scale: 1" = 1'-0"

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	File updated: 6/6/2013 Plot Date: 6/6/2013	<h1>9</h1> of 12
	File name: StandardMonumentSign1.dwg	

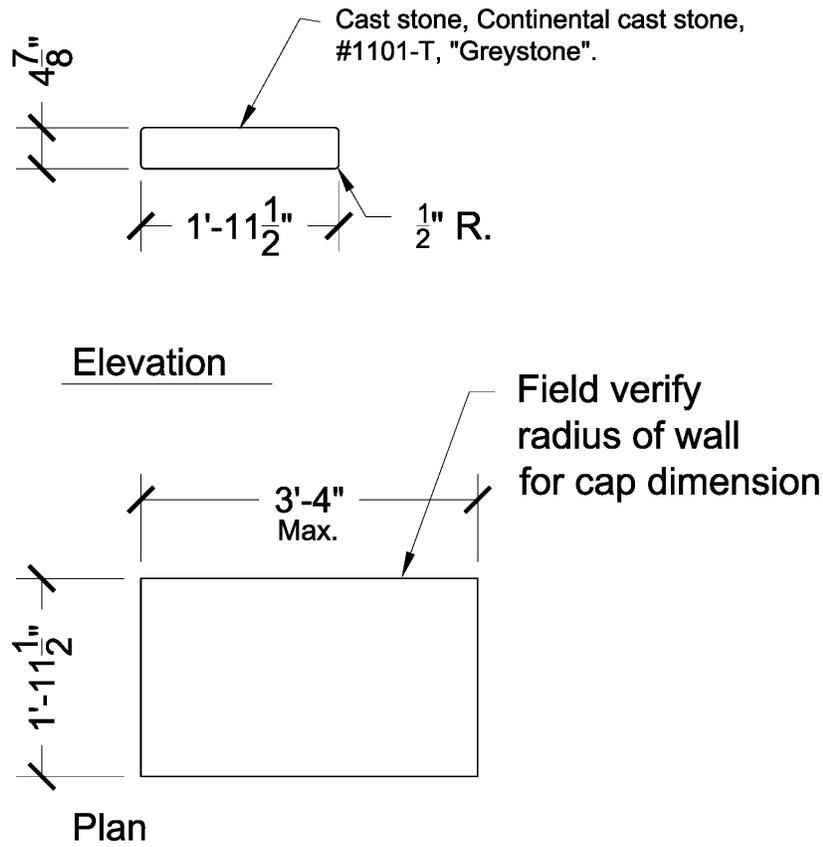
**Exhibit 12:**



**B** Precast Wall Cap A  
 Scale: 1" = 1'-0"

 601 University Drive San Marcos, Texas 78666-4616 Phone: (512)245-2202 Fax (512)245-8839	Title: Campus Standard Monument Sign	Sheet No.:
	File updated: 6/6/2013 Plot Date: 6/6/2013	<b>10</b> of 12
	File name: StandardMonumentSign1.dwg	

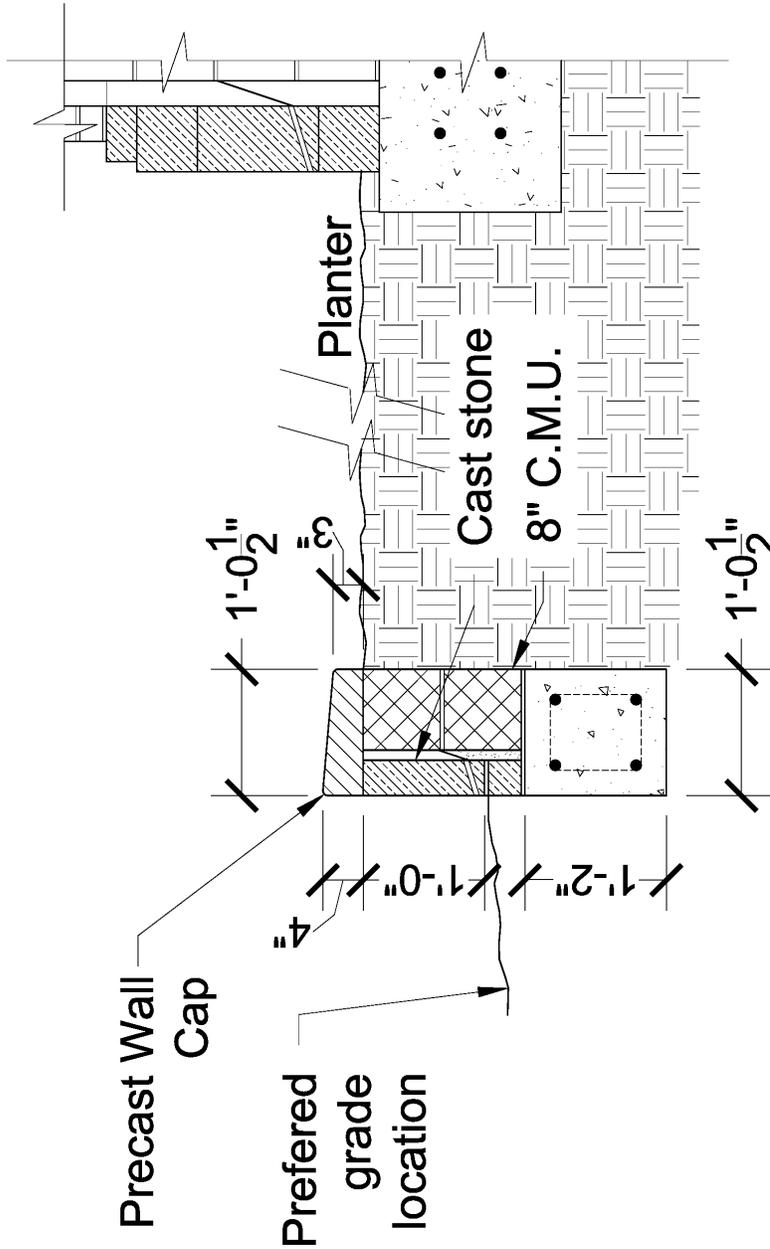
### Exhibit 13:



**C** Precast Wall Cap B  
 Scale: 1" = 1'-0"

<p>601 University Drive                  San Marcos, Texas 78666-4616                  Phone: (512)245-2202 Fax (512)245-8839</p>	Title: Campus Standard Monument Sign	Sheet No.:
	File updated: 6/6/2013 Plot Date: 6/6/2013	<h1>11</h1> of 12
	File name: StandardMonumentSign1.dwg	

Exhibit 14:



Wall Section C

7

Scale: 3/4" = 1'-0"

 <p>601 University Drive San Marcos, Texas 78666-4616 Phone: (512)245-2202 Fax (512)245-8839</p>	Title: Campus Standard Monument Sign	Sheet No.:
	File updated: 6/6/2013 Plot Date: 6/6/2013	12 of 12
	File name: StandardMonumentSign1.dwg	