

DIVISION 3 CONCRETE

03 33 00 Architectural Concrete Sidewalk Paving

PART 1: GENERAL

1.01 Scope of Standard

- A. This standard provides general guidance concerning the specific preferences of Texas State University for pavement for sidewalks.
- 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. Interior Campus Sidewalk Paving:

1. Sidewalk widths are defined in Section 03 33 00; the proportions of the exterior concrete band dimension and the interior paver field dimension will need to be adjusted.
 - a. The sidewalk will have 6" wide concrete curbs at the perimeter edges.
 - b. The interior field between the concrete curbs will be Pavestone 12" x 12" City Stone and "Holland Stone", antique terra cotta color Pavers, laid in an 8" module "parquet" pattern.
 - c. Refer to design drawings, in Exhibit in Section 03 33 00.
2. ADA Sidewalk Curb Ramps: Curb ramp design are to comply with latest Texas Accessibility Standards (TAS), with a maximum slope of 1:12.
 - a. Curb ramps will be a minimum of 4'-0" wide, with a field inset of Pavestone "Detectable Warning", charcoal paver, laid in an 8" module "parquet" pattern.
 - (1) Refer to design drawing, in Exhibit Section 03 33 00.
 - b. Flared Sides Curb Ramp will meet the required code slope of 1:10.
 - (1) The sloped portion will have an insert field of Pavestone "Detectable Warning", antique terra cotta paver, laid in an 8" module "parquet" pattern.
 - (2) Refer to design drawing, in Exhibit 2A.
3. Perimeter of Campus Street Sidewalks.
 - a. Sidewalk design and specifications will be the same as 1.02, A., 1 above.

(1) The sidewalk will be located a minimum of approximately 6'-0" from the inside face of the street curb.

(2) Refer to design drawing, in Exhibit 1A.B.C; Exhibit 2, and Exhibit 2A.

4. General

- a. Walking surfaces shall be designed to be nominally level. Abrupt changes in elevation of walking surfaces shall not exceed ¼ inch. The slope in the direction of travel shall not exceed 1 in 20. The slope perpendicular to the direction of travel shall not exceed 1 in 48.
- b. Any wood utilized for expansion and/or control joints must be coated with an appropriate sealer so to prevent deterioration of the wood. The type of wood preferred for use in this application is redwood.

PART 2: PRODUCTS

2.01 Sidewalk Paver

A. Field Paver

- 1. Pavestone Company, "Holland Stone", (2 3/8" thick, 4" w. x 8" long nominal), antique terra cotta color.
- 2. 2. Pattern: "Parquet"

B. Borders and Periodic Bands

- 1. Pavestone Company, "City Stone", 12" x 12" x 2 3/8" thick.

2.02 ADA Sidewalk Curb Ramp Paver.

A. Ramps and Flares

- 1. Pavestone Company, "Detectable Warning", (2 3/8" thick, 4" w. x 8" long nominal), "Charcoal" color.
- 2. Pattern: "Parquet"

2.03 General Concrete:

- A. Concrete shall be a minimum of 560 lb. Of ASTM C150, Type II Portland Cement per cubic yard of concrete, and a water-cement ratio no greater than 0.53 by weight. Minimum compressive strength shall be 4,000 psi at 28 days.
- B. Finish.
 - 1. Provide a trowel finish.
 - 2. All concrete sidewalk edges shall receive a 1/8" radius curved tooled finish.

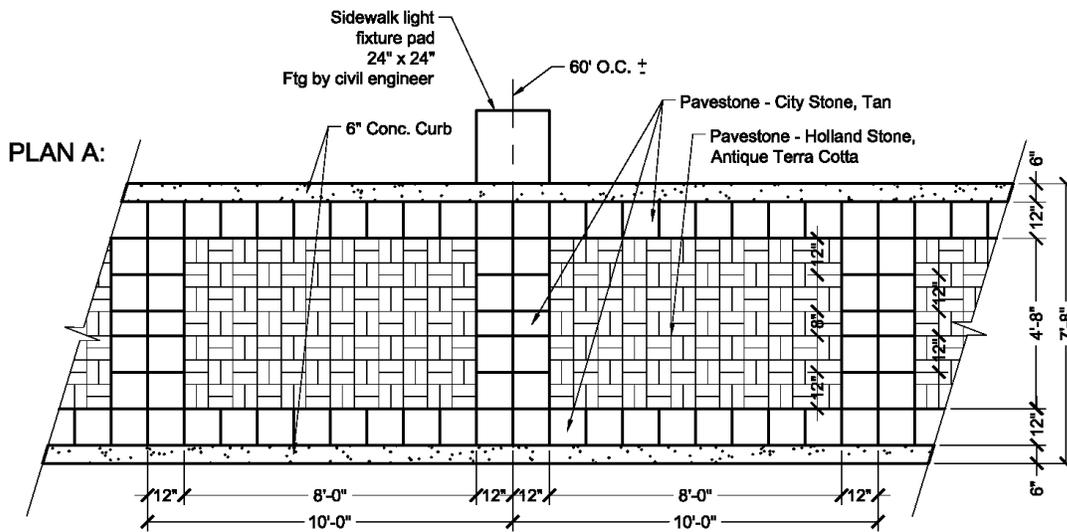
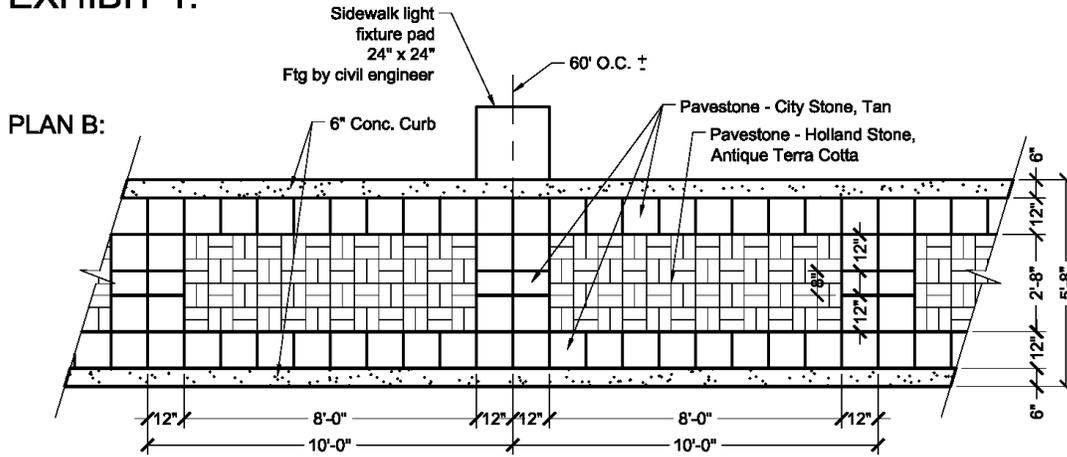
3. After sidewalk has cured and no sooner than 2 weeks after the concrete has been placed, concrete shall be washed with a 5% to 10% solution of muriatic acid.
- 2.04 Campus Perimeter “Logo Paver”:
- A. The sidewalks on the perimeter boundaries of the campus are to have the “TXST Logo Paver”. The “Logo Paver” is to be located at street intersections and at 30’-0” intervals on the sidewalk. Refer to EXHIBITS 3 AND 3A.

PART 3: EXECUTION

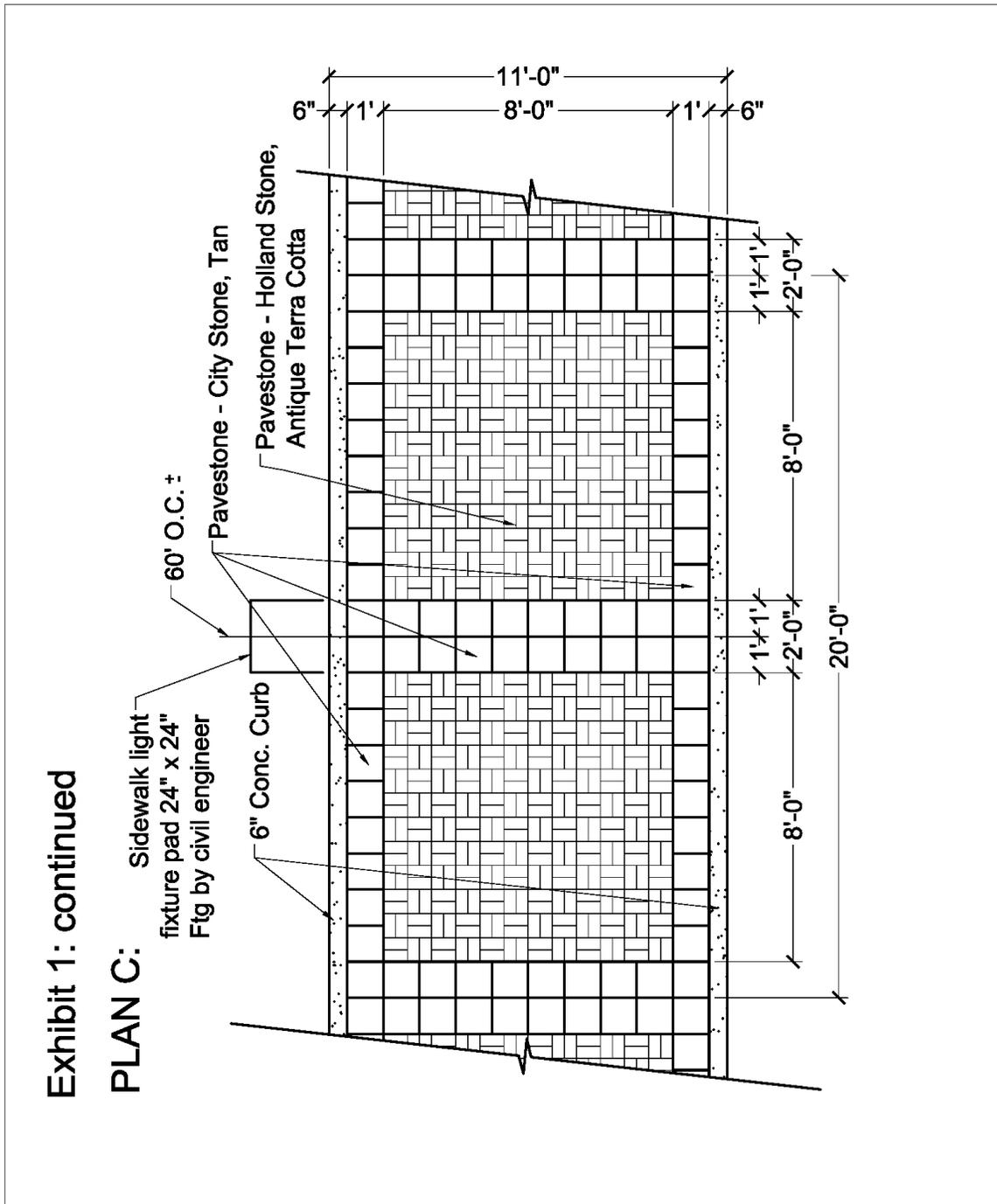
3.01 General

- A. Any concrete flatwork shall be no less than 5” thick with #4 reinforcement 12” o.c. each way. Flatwork must be doweled with 24” long #4 reinforcement dowels, placed 18” on center, to a penetration of 12”, into any abutting concrete flatwork. Building entry flatwork must also be doweled into the building foundation.
- B. Rinsing of transit mix trucks or other concrete mixing devices shall either be off of Texas State University’ site or onsite in a contained area that does not allow run-off. If rinsed in a contained area onsite, run-off must be prevented until concrete dries, at which time it must be removed as solid debris.
- C. Wash water from exposed aggregate sidewalks or other paved areas may not enter the storm sewer system. Water must either be collected and discharged on an area of pervious cover acceptable to Texas State University, discharged offsite, or allowed to pool until only sediment is left and can be disposed of as solid refuse.

EXHIBIT 1:

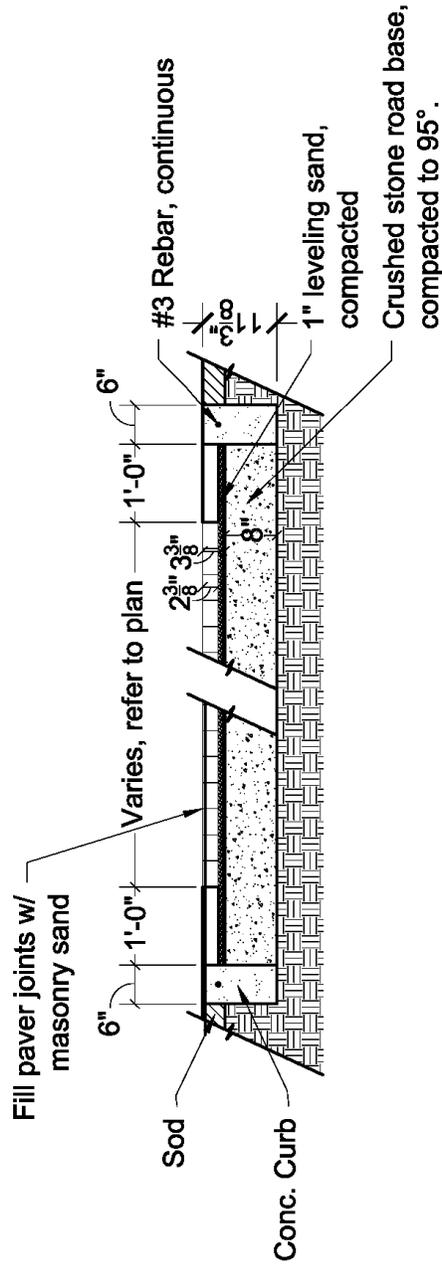


<p>TEXAS STATE 801 University Drive San Marcos, Texas 78666-4616 Phone: (512)245-2202 Fax (512)245-8839</p>	<p>Title: Architectural Concrete Sidewalk Paving</p>	<p>Sheet No.:</p>
	<p>File updated: 5/28/2013 Plot Date: 6/6/2013</p>	<p>1 of 1</p>
	<p>File name: Paving_Standard b</p>	

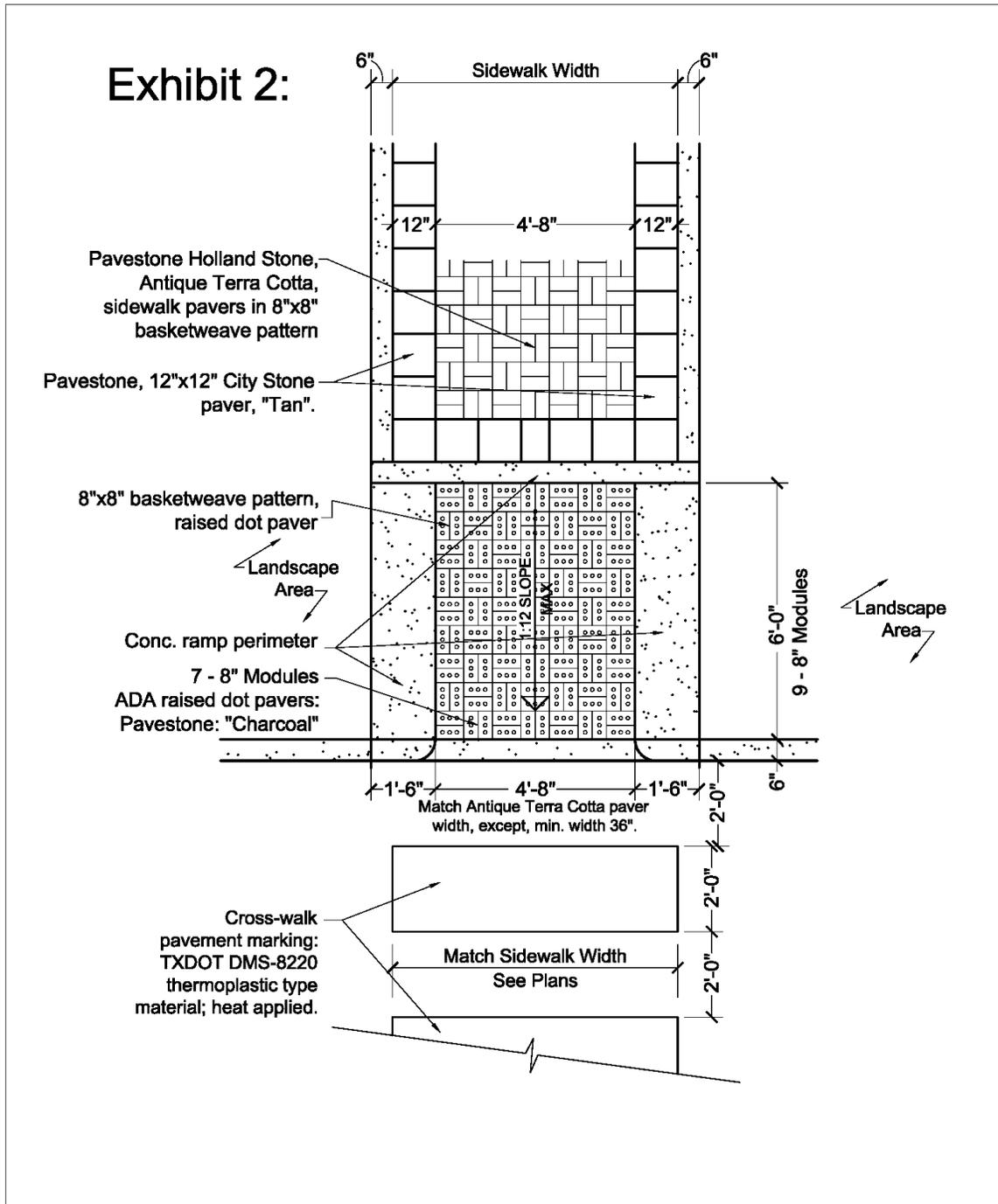


<p>TEXAS STATE 801 University Drive San Marcos, Texas 78666-4616 Phone: (512)245-2202 Fax (512)245-8839</p>	Title: Architectural Concrete Sidewalk Paving		Sheet No.: 1 of 1
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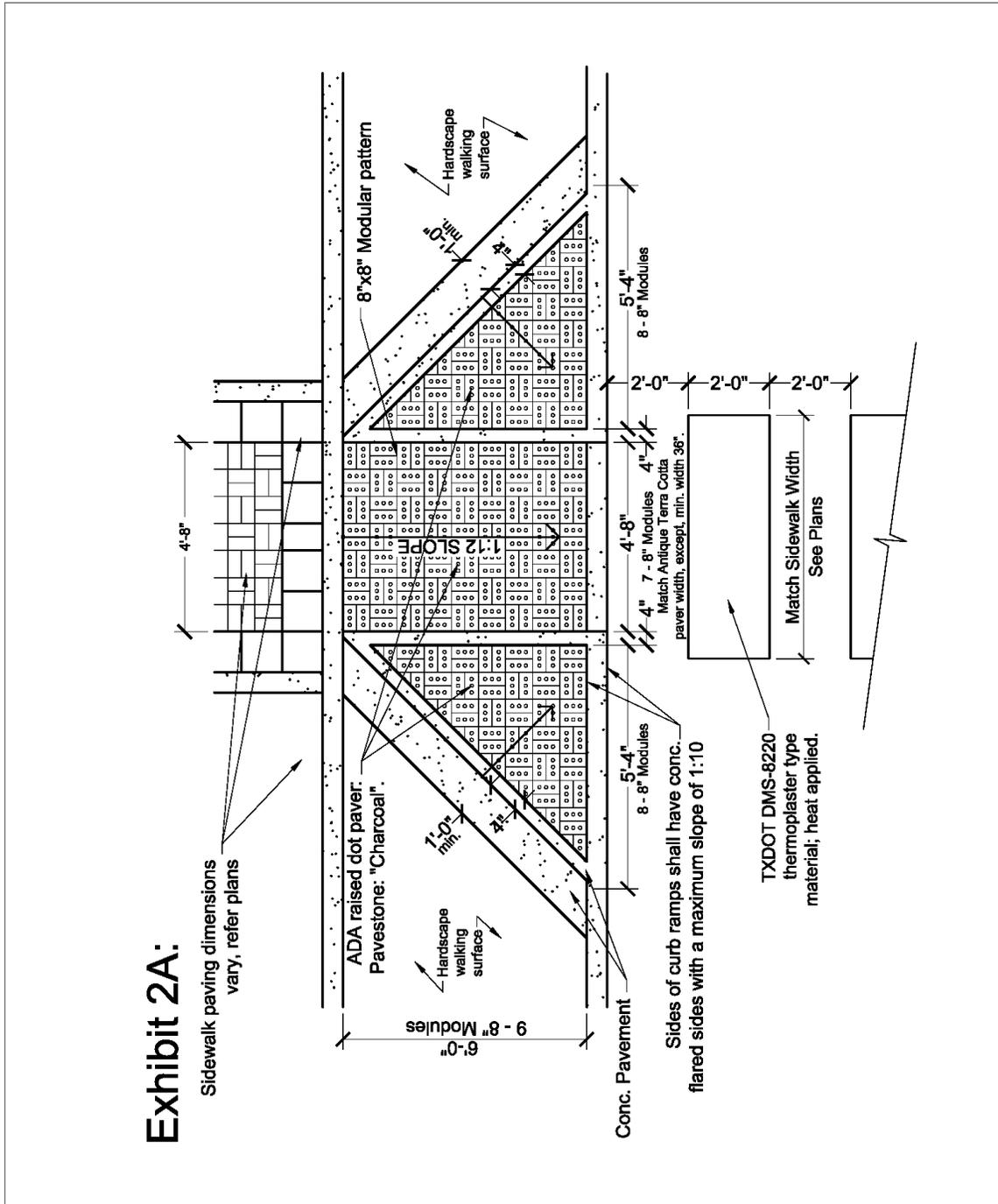
Exhibit 1A:



<p>TEXAS STATE 801 University Drive San Marcos, Texas 78666-4616 Phone: (512)245-2202 Fax (512)245-8839</p>	Title: Architectural Concrete Sidewalk Paving		Sheet No.:
	File updated: 5/28/2013 Plot Date: 5/28/2013		1 of 1
	File name: Paving Section Standard		

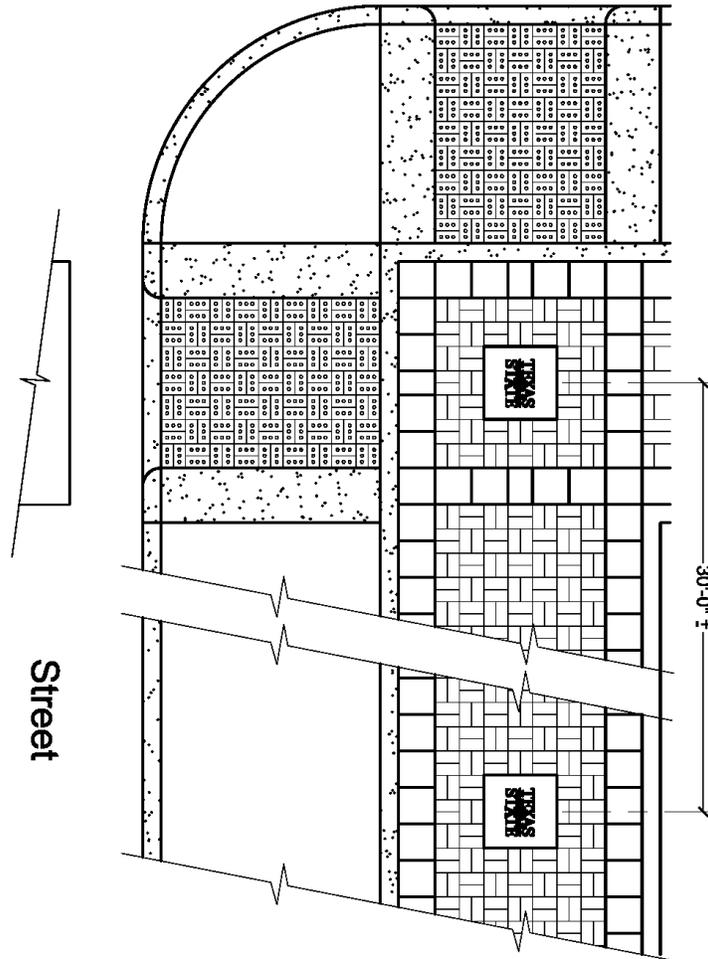


<p>TEXAS STATE 601 University Drive San Marcos, Texas 78666-4616 Phone: (512)245-2202 Fax (512)245-8839</p>	Title: ADA Ramp Standard & Crosswalk		Sheet No.:
	File updated: 5/28/2013 Plot Date: 5/28/2013		1 of 1
	File name: ADA Ramp Standard a		



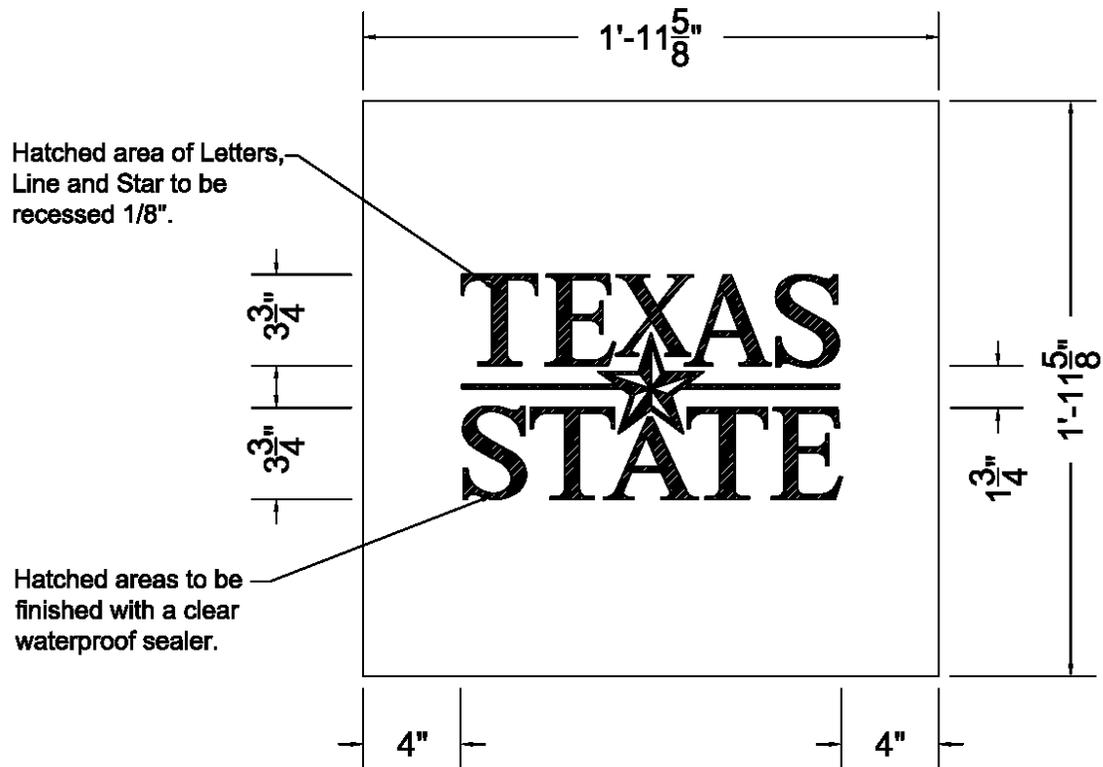
<p>801 University Drive San Marcos, Texas 78666-4616 Phone: (512)245-2202 Fax (512)245-8839</p>	Title: ADA Ramp Standard, Side Sloped Ramps and Crosswalk Standard		Sheet No.: 1 of 1
	File updated: 9/26/2011 Plot Date: 5/28/2013		
	File name: ADA Ramp Standard b		

Exhibit 3:



 601 University Drive San Marcos, Texas 78666-4616 Phone: (512)245-2202 Fax (512)245-8839	Title: Campus Perimeter "Logo Paver"		Sheet No.:
	File updated: 6/11/2013 Plot Date: 6/11/2013		1 of 1
	File name: TxState Paver		

Exhibit 3A

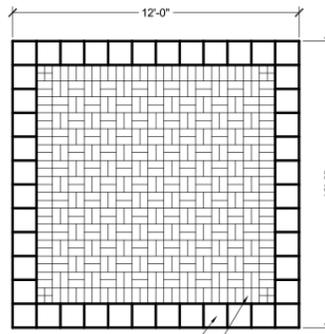


Specifications:

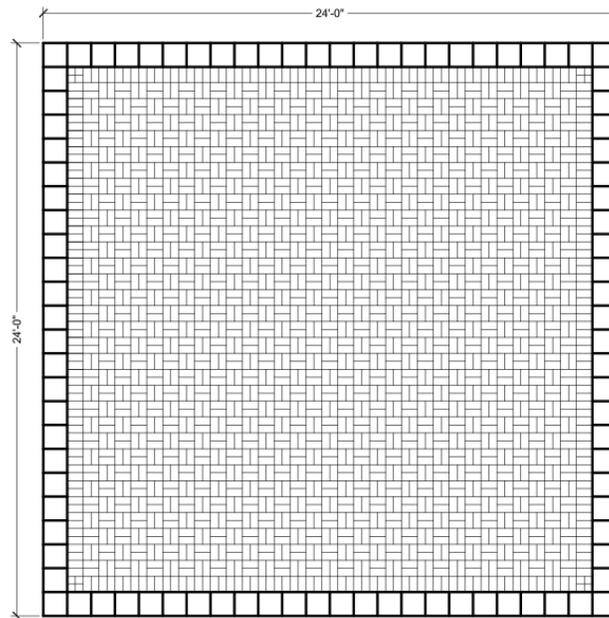
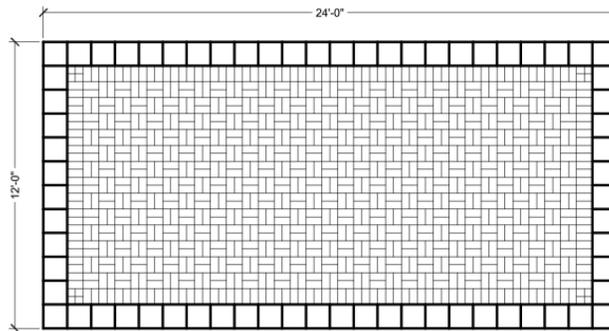
1. Pavestone Company, 24" square patio stone, 2" thick, color: "Caststone".
2. 8,000psi compressive strength
3. Letters, star and line to be recessed 1/8".

<p style="text-align: center; font-size: small;"> TEXAS STATE UNIVERSITY SAN MARCOS <i>The rising STAR of Texas</i> A member of The Texas State University System </p> <p style="font-size: x-small;"> 601 University Drive San Marcos, Texas 78668-4616 Phone: (512)245-2202 Fax: (512)245-8839 </p>	<p>Title: Logo Paver</p>	<p>Sheet No.: 1 of 1</p>
	<p>File updated: 6/11/2013 Plot Date: 6/11/2013</p>	<p>Scale: NTS</p>
	<p>File name: TXStatePaver_Detail</p>	

Exhibit 4:



Pavestone - "Holland Stone"
4x8, Antique Terra Cotta
Pavestone - "City Stone III"
12x12, Tan



 601 University Drive San Marcos, Texas 78666-4616 Phone: (512)245-2202 Fax (512)245-8839	Title: Architectural Concrete Sidewalk Paving	Sheet No.:
	Bobcat Trail Standard	1 of 1
	File updated: 9/9/2015 Plot Date: 9/9/2015	
	File name: Bobcat Trail Paving Standard	

END OF SECTION 03 33 00