



- WAYFINDING SIGN
- MONUMENT SIGN

LOCATION MAP

ENTRADA

westlake, texas
maa maa.2016022

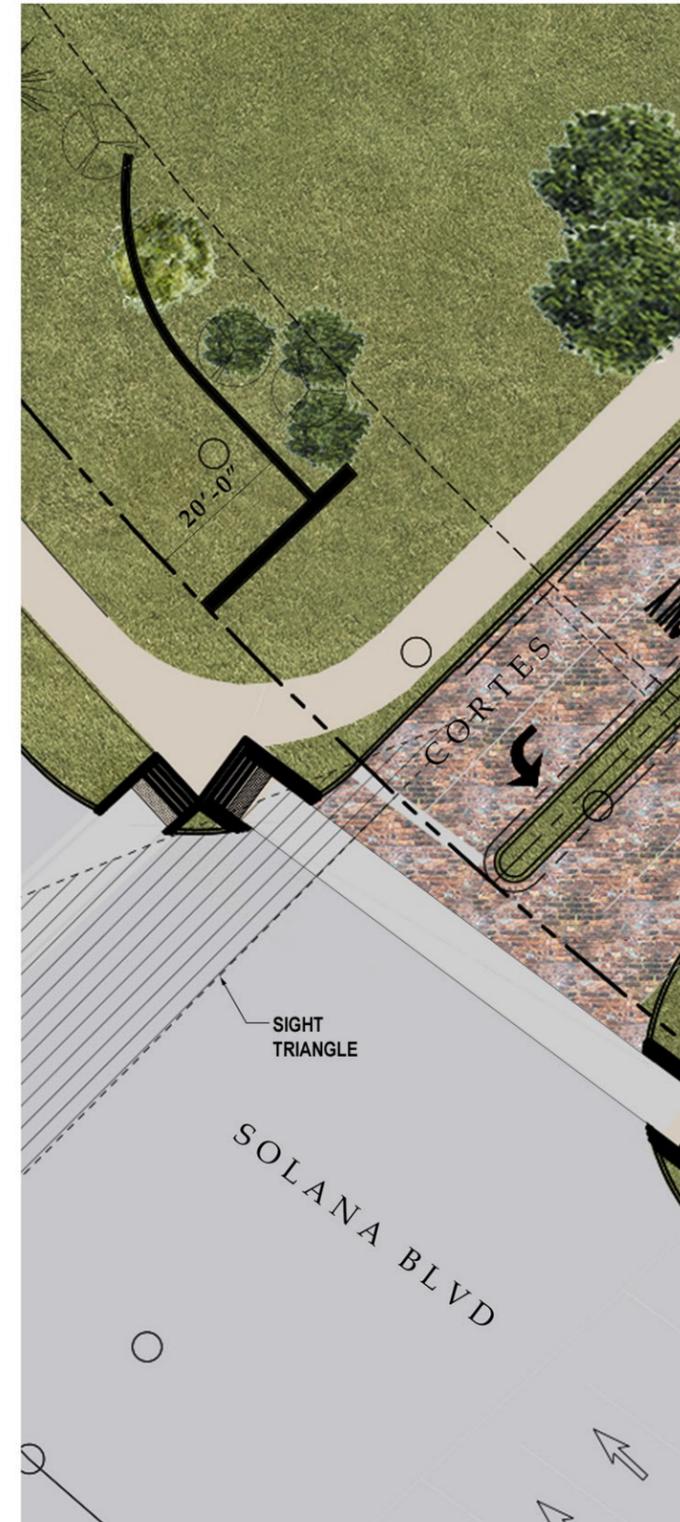
06.22.2016



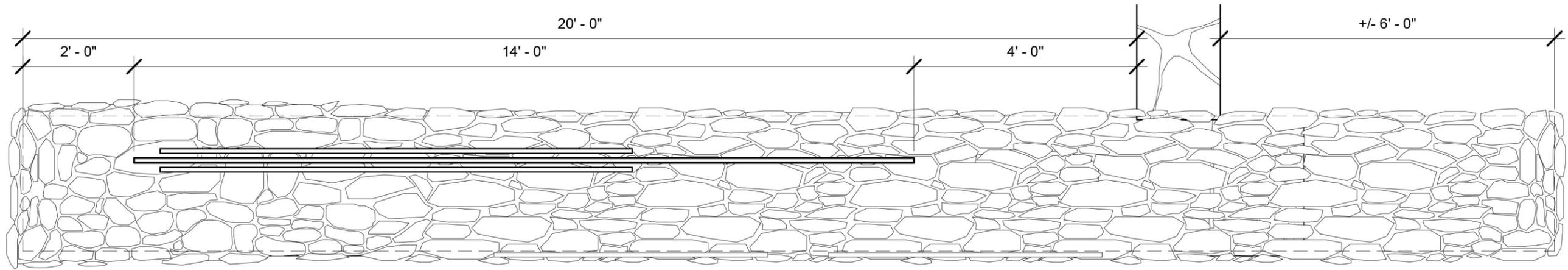
MONUMENT SIGN 1



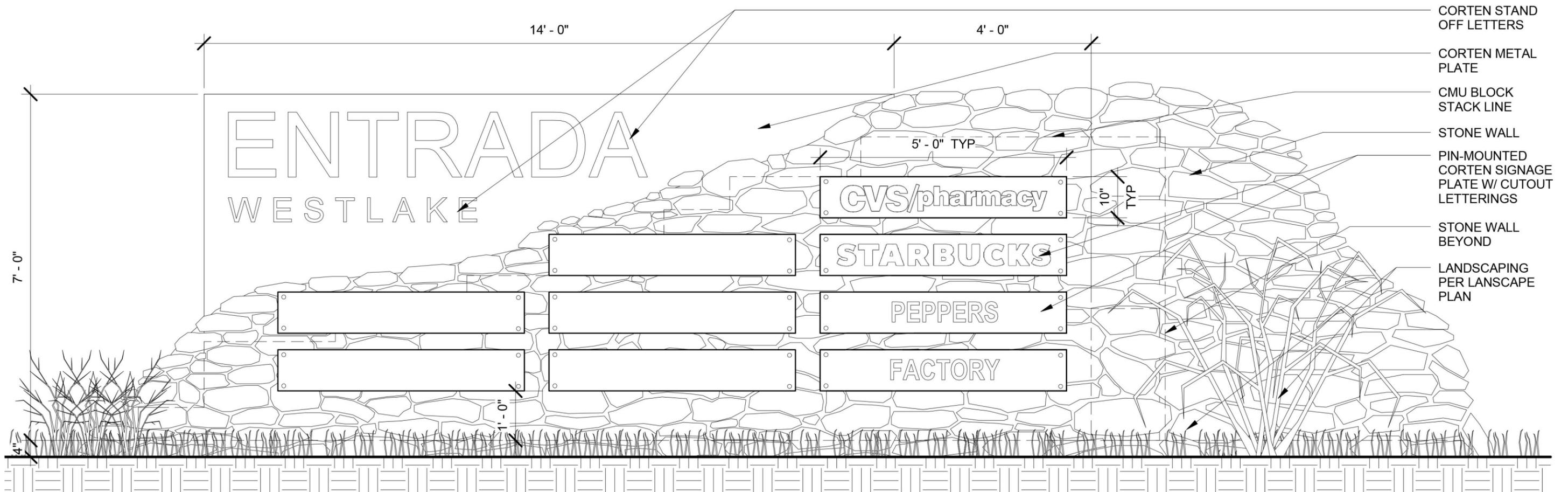
MONUMENT SIGN 2



MONUMENT SIGN 3



2 MONUMENT SIGN PLAN
1/2" = 1'-0"

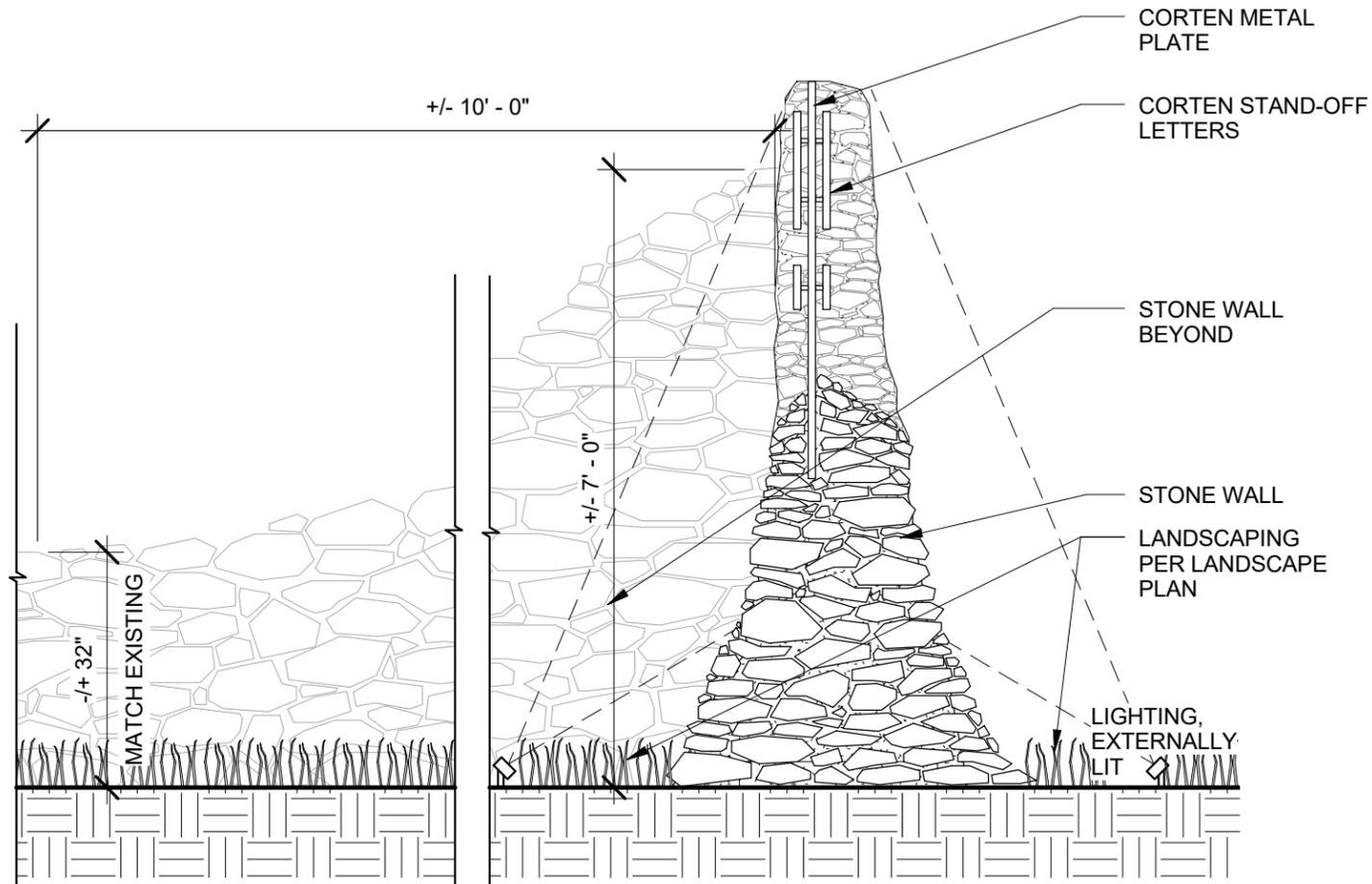


1 MONUMENT SIGN ELEVATION
1/2" = 1'-0"

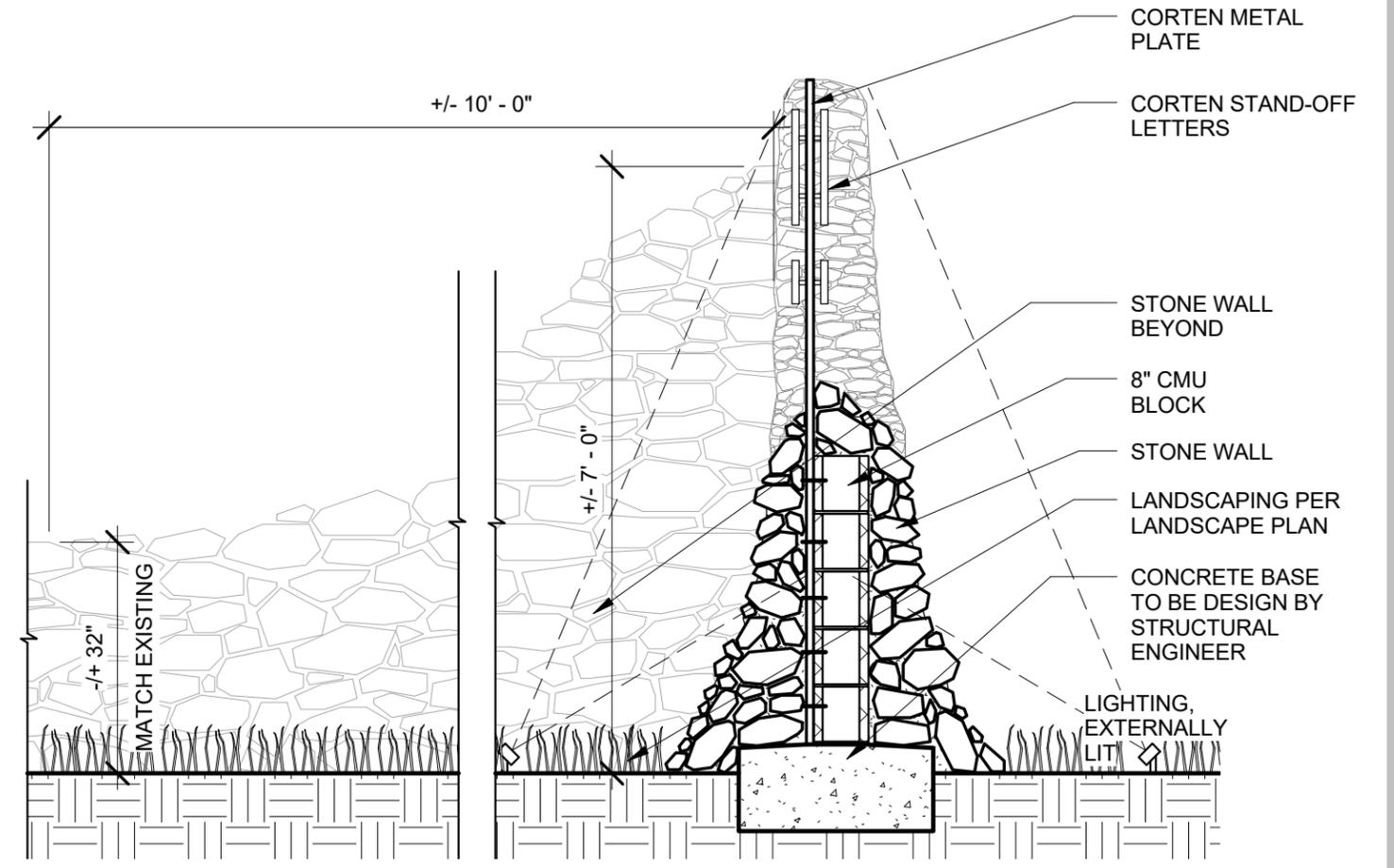
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westlake, texas
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08.25.2016



1 MONUMENT SIGN SIDE ELEVATION
1/2" = 1'-0"



2 MONUMENT SIGN SECTION
1/2" = 1'-0"

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09.13.2016



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08.25.2016



MONUMENT SIGN RENDER

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09.13.2016



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westlake, texas
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08.25.2016



TEXAS TUFT LANDSCAPE

Design-Project Management
Horticulture Services
972-347-9930

Date: 08-05-2016
Scale: 1" = 30'-0"
Project No.:
Drawn by: KMB
Approved:
Revised:

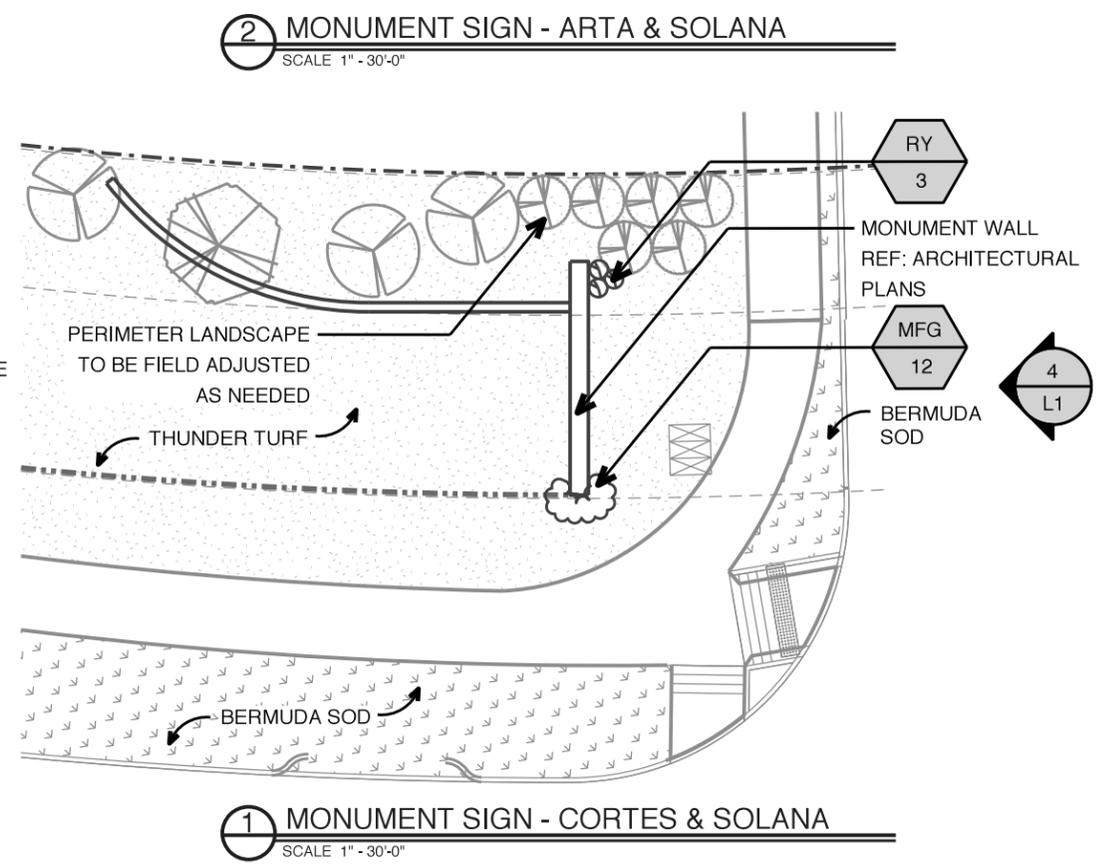
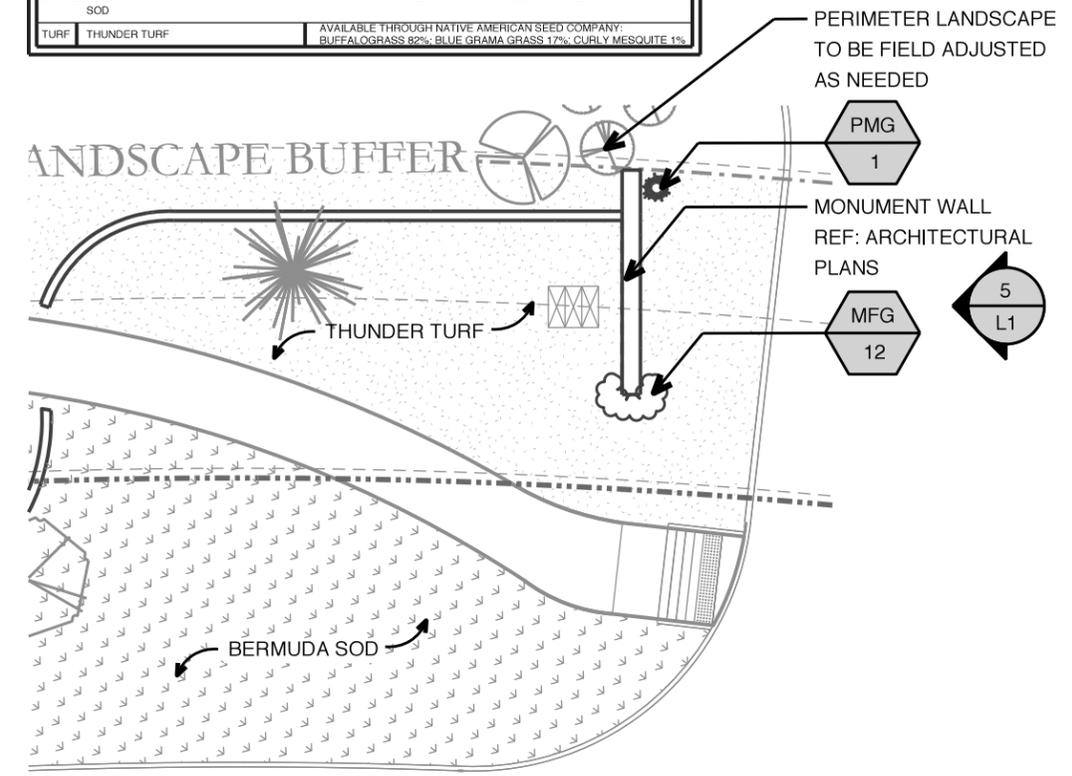
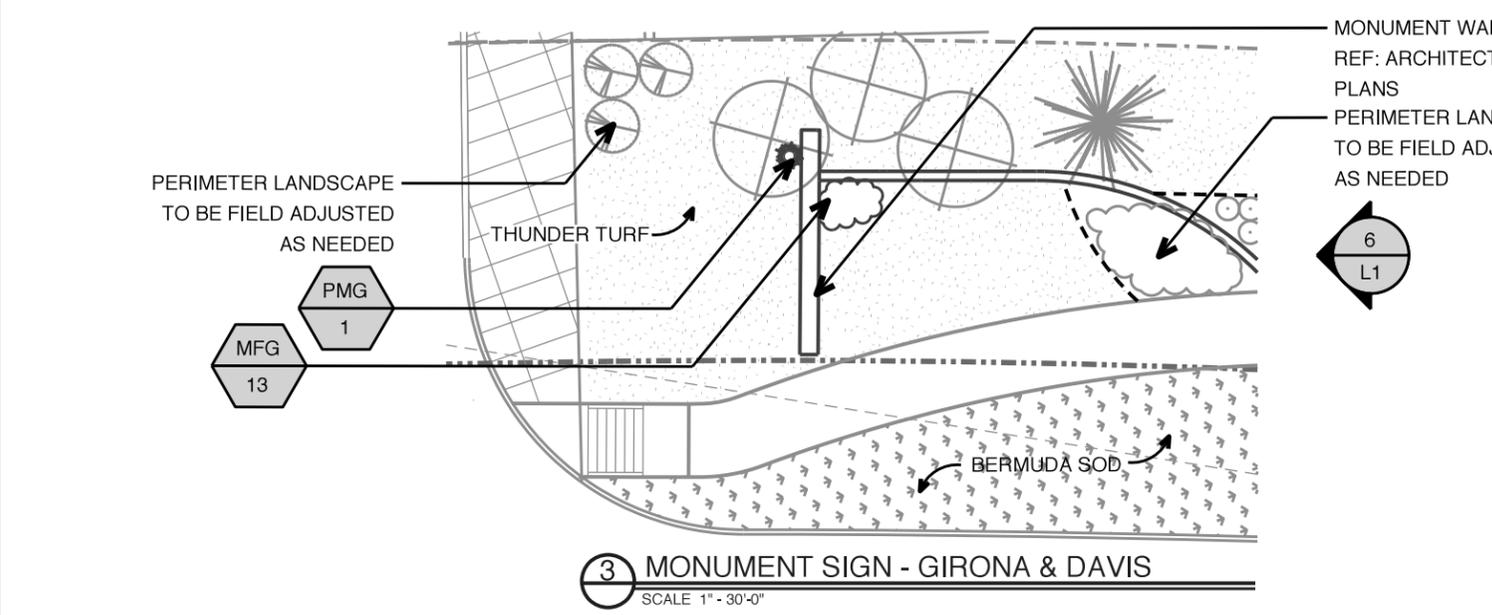
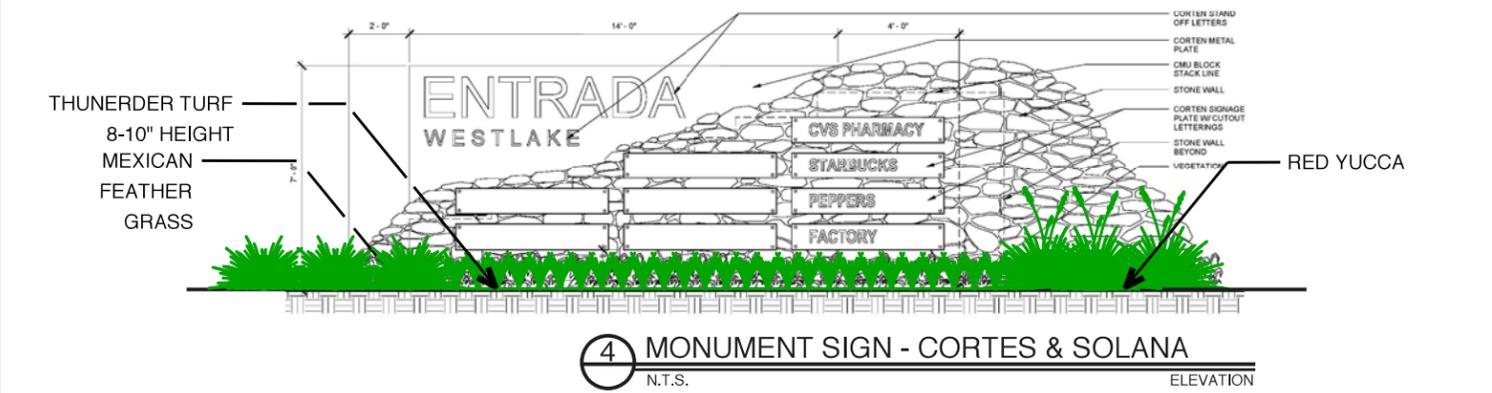
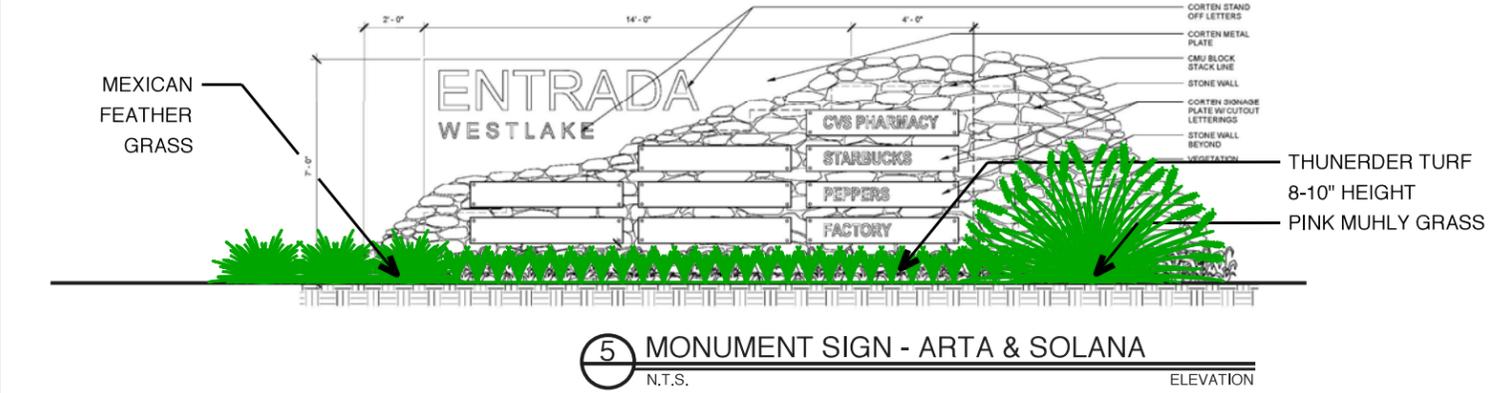
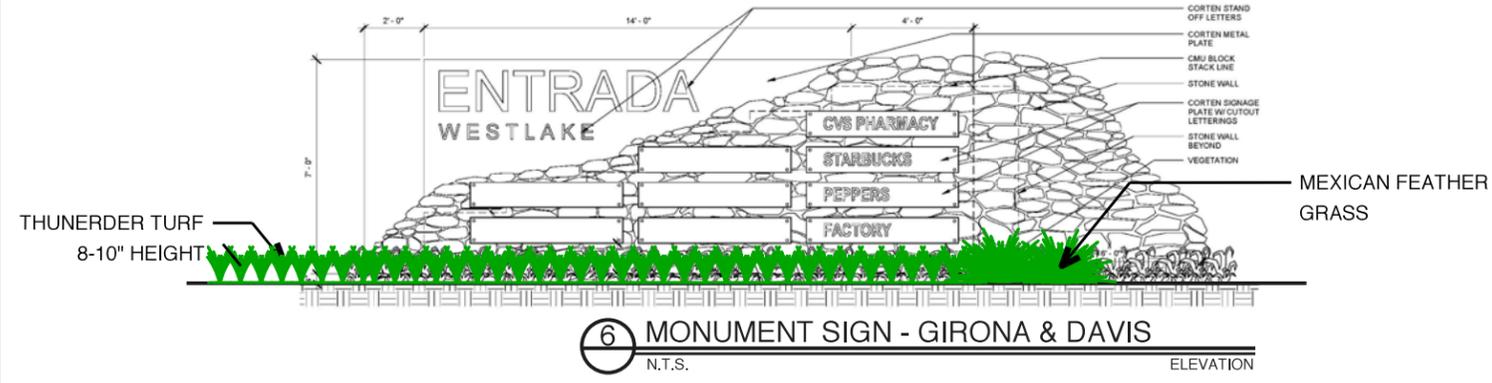
WESTLAKE ENTRADA

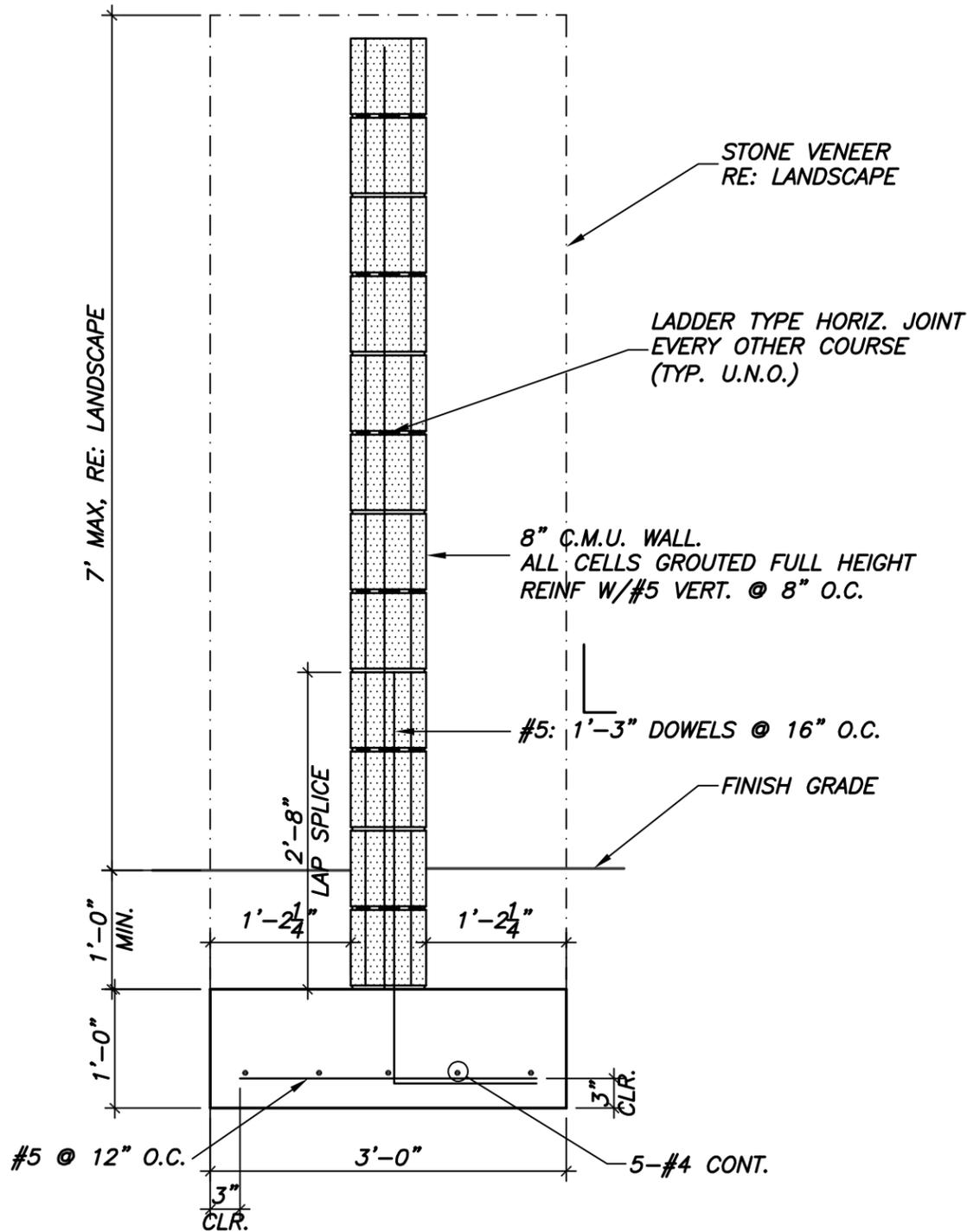
Davis & State Hwy. 114
Westlake, Texas

Sheet No.
ENTRADA
PERIMETER
SIGNAGE

L-1

PLANTING SCHEDULE				
ABV.	BOTANICAL NAME / COMMON NAME	HEIGHT	SIZE	NOTES
SHRUBS				
(PMG)	MUHLENBERGIA CAPILLARIS / PINK MUHLY GRASS		3 GAL.	MATCHED, WELL ROOTED, MULTI
(MFG)	STIPA TENUISSIMA / MEXICAN FEATHER GRASS		1 GAL.	MATCHED, WELL ROOTED
(RY)	HESPERALOE PARVIFLORA / RED YUCCA		3 GAL.	MATCHED, WELL ROOTED, MULTI
SOD				
TURF	THUNDER TURF	AVAILABLE THROUGH NATIVE AMERICAN SEED COMPANY: BUFFALOGRASS 82% BLUE GRAMA GRASS 17% CURLY MESQUITE 1%		

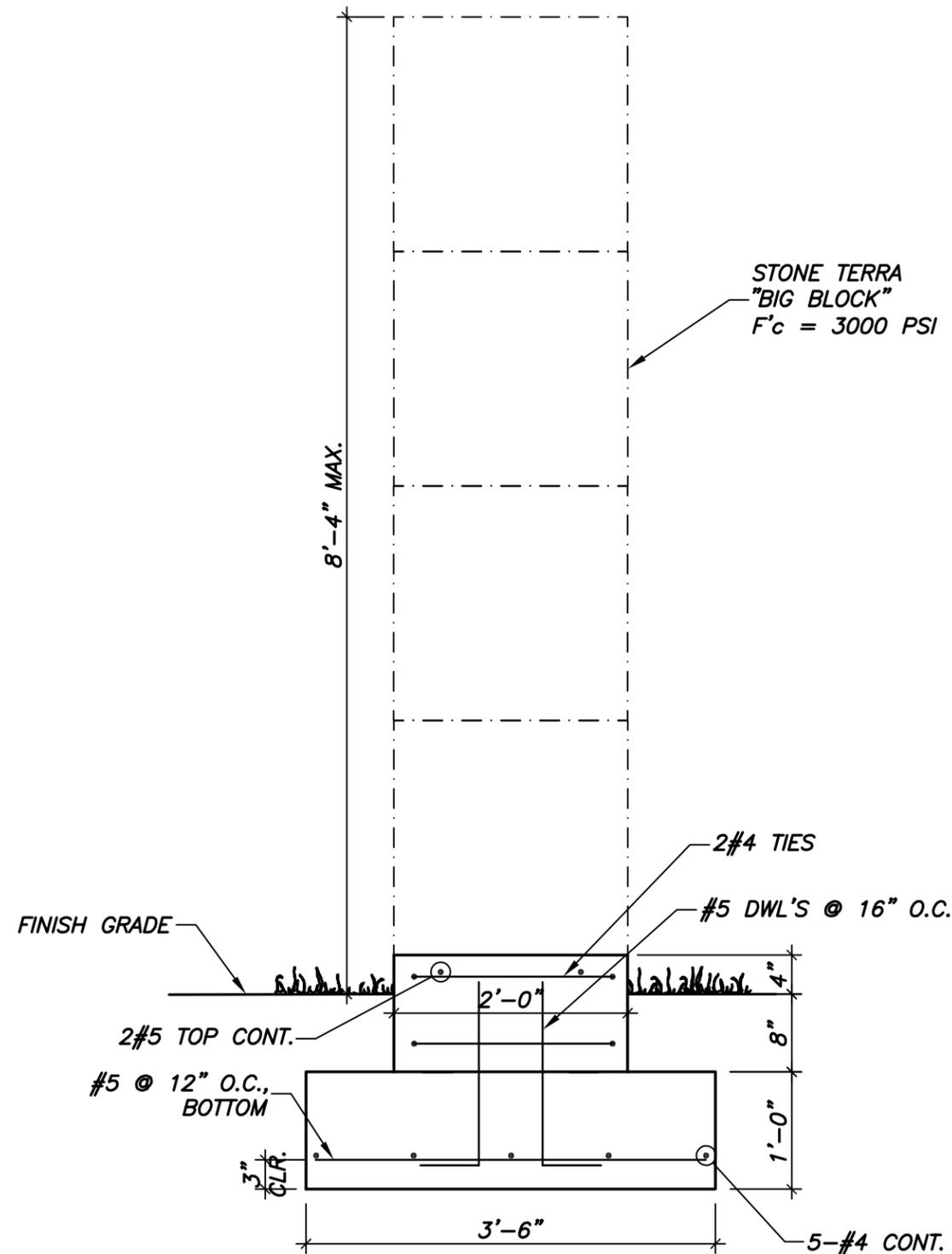




**WALL SECTION @
MONUMENT SIGN**

01

3/4" = 1'-0"



**WALL SECTION @
WAYFINDING SIGN**

02

3/4" = 1'-0"



TEXAS FIRM REG. # F-2658

ENTRADA SIGN FOUNDATIONS

VIEWTECH INC.

4205 BELTWAY DR. ADDISON, TX 75001 (972) 661-8187 FAX(972) 661-8172

DESIGN	DRAWN	DATE	SCALE	JOB NO.	SHEET NO.
VL	IK	10/03/16	AS NOTED	2015.191	SL1

To form a Catalog Number

S | 1 | 7 | 1 | - | L214 | - | H | - | 06 | - | 8 | - | V0 | - | 0 | - | 35 | - | 00

1 2 3 4 5 6 7 8 9 10

Project: **Entrada Monument Signage Lighting**

Type:

1 Source

S = Solid state (LED)

2 Style

171 = Small linear outdoor LED, integral driver

3 Drive Current/Length/No. of LEDs

Solid State LED **fraqtir** linear drive current (LX22 emitters), fixture length (nominal), and number of emitters (composed of 6- or 7-LED boards), options below.

Lumen/Wattage Options:

- L214** = 2ft fixture, 14 LEDs @ 350mA, 16 watts, 1099 lumens
- M214** = 2ft fixture, 14 LEDs @ 700mA, 33 watts, 1998 lumens
- L221** = 2ft fixture, 21 LEDs @ 350mA, 24 watts, 1648 lumens
- M221** = 2ft fixture, 21 LEDs @ 700mA, 50 watts, 2997 lumens
- L318** = 3ft fixture, 18 LEDs @ 350mA, 21 watts, 1413 lumens
- M318** = 3ft fixture, 18 LEDs @ 700mA, 43 watts, 2569 lumens
- L328** = 3ft fixture, 28 LEDs @ 350mA, 32 watts, 2198 lumens
- M328** = 3ft fixture, 28 LEDs @ 700mA, 67 watts, 3996 lumens
- L424** = 4ft fixture, 24 LEDs @ 350mA, 27 watts, 1884 lumens
- M424** = 4ft fixture, 24 LEDs @ 700mA, 57 watts, 3425 lumens
- L442** = 4ft fixture, 42 LEDs @ 350mA, 47 watts, 3297 lumens
- M442** = 4ft fixture, 42 LEDs @ 700mA, 97 watts, 5895 lumens

Based on 4000K/70+CRI. [Click here](#) for scaled performance table.

Note: J and K codes are discontinued.

4 Mounting

H = For use with **mounting hubs** for use with accessory **surface, pendant or cantilever hangers.**

5 Finish

- 02** = Semigloss white
- 06** = **Dark bronze**
- 07** = Silver
- 08** = Semigloss black
- 17** = Champagne
- 18** = Copper
- 99** = Custom RAL or computer matched color to be specified, consult sales representative

The external shapes of the housings are trademarks of Sylvan R. Shemitz Designs, LLC dba **The Lighting Quotient**, makers of **elliptipar**, **tambient** and **fraqtir**.

6 Voltage/Driver

Electronic Driver Electronic Dimming Driver*
8 = 120-277V **M** = 120-277V

*Dimming range refers to % power input, % light output will vary.

Refer to Driver Information document **MA-1303**

7 Option

- 00** = No options
- 0F** = Feed-through wiring option
- V0** = Cutoff visor
- VF** = Cutoff visor with feed-through wiring option
- XX** = For modification not listed, include detailed description. Consult factory prior to specification.

8 Destination Requirement

- 0** = UL listed or CSA certified for U.S.
- J** = UL listed or CSA certified for Canada

9 Color Temperature

- 27** = 2700K, 80+ CRI **2H** = 2700K, 90+ CRI
- 30** = 3000K, 80+ CRI **3H** = 3000K, 90+ CRI
- 35** = **3500K, 80+ CRI**
- 40** = 4000K, 80+ CRI **4L** = 4000K, 70+ CRI

Additional CCT and CRI options are available; consult factory.

10 Dimming**

- 00** = Non-dimming
- TE** = LightTech 120-277V input, dimming range 100-10%, line voltage trailing edge/reverse phase/ELV dimming (controls by others)
- ZX** = 0-10V analog dimming 120-277V input, dimming range 100%-5%, 0-10V controls by others
- EL** = eldoLED SOLOdrive 120-277V input, dimming range 100%-0.1%, 0-10V controls by others
- L3** = Lutron A-Series 120-277V input, dimming range 100%-1%, Lutron EcoBus dimming (controls by others)
- LH** = Lutron A-Series 120-277V input, dimming range 100%-1%, Lutron 3-wire dimming (controls by others)

**Dimming range refers to % power input, % light output will vary.

Refer to Driver Information document **MA-1303**

Note: Number of drivers varies with number of LEDs, drive current and driver type.

Hubs with Hangers (order separately)

Order one hanger **end kit** for each individually mounted luminaire or each row. For a continuous row, order one **intermediate** hanger for each additional luminaire in the row. Example: three rows of four housings requires 3 end kits and 9 intermediate hangers. **Note: Recessed outlet box by others or splice box style hanger required at each mounted location for electrical connections.**

- HDA** Surface hanger, mount/splice box options (**intermediate**)
- HDB** Surface hanger, mount/splice box options (**end kit/pair**)
- HDC** Cantilever hanger, mount/splice box options (**intermediate**)
- HDD** Cantilever hanger, mount/splice box options (**end kit/pair**)
- HDF** Pendant hanger, mount/splice box options (**intermediate**)
- HDG** Pendant hanger, mount/splice box options (**end kit/pair**)

Hubs Only (order separately)

For use with 1/2" rigid conduit or fittings (supplied by others). Order one hub **end kit** for each individually mounted luminaire or each row. For a continuous row, order one **intermediate** hub for each additional luminaire in the row. Example: three rows of four housings requires 3 end kits and 9 intermediate hubs. **Note: Locate electrical feed at end of row.**

- HOD** Hub end kit (pair)
- HOC** Intermediate mounting hub



Lighting Facts
 A Program of the U.S. DOE

Light Output (Lumens)	5895
Watts	91.7
Lumens per Watt (Efficacy)	64.3
Color Accuracy Color Rendering Index (CRI)	74
Light Color Correlated Color Temperature (CCT)	4073 (Bright White)
LED Lumen Maintenance Projection at 36,000 Hours at 25°C Ambient*	99.9%
Warranty**	Yes

700 mA (4000K/70+CRI) output at right

All results, except LED Lumen Maintenance, are according to IESNA LM-79-2008. Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

* Based on TM-21 projections for the light source.
 ** See www.lightingfacts.com/products for details.

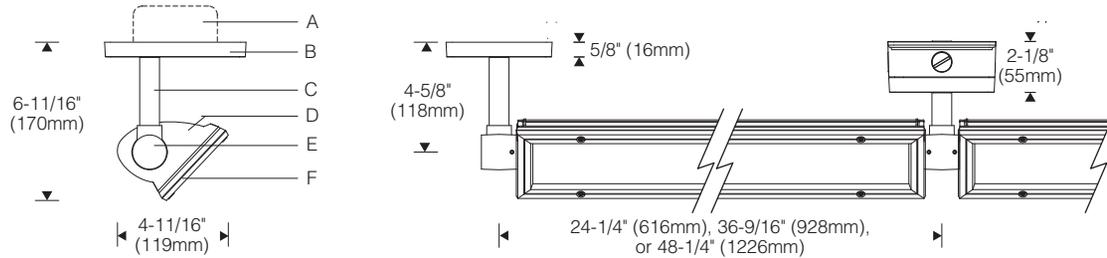
Registration Number: 3HVJ-36GEG6 (2/12/2015)
 Model Number: S171-AM442-H-02-1-00-0-4L-00
 Type: Luminaire - Wallwash



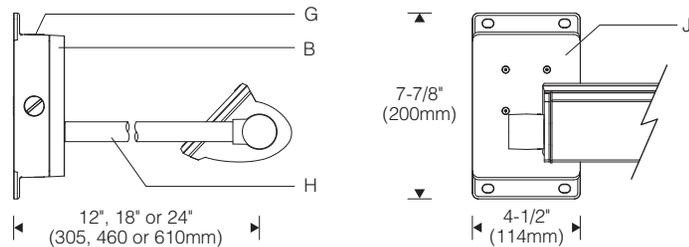
elliptipar from The Lighting Quotient
 114 Boston Post Road, West Haven, Connecticut 06516, USA
 Voice 203.931.4455 • Fax 203.931.4464 • thelightingquotient.com

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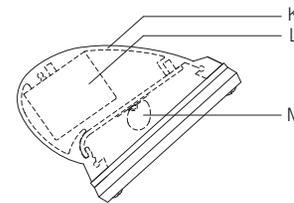
Surface Hanger (Lighting Downward) 1:8 Scale



Cantilever Hanger with Splice Box



Internal Components 1:4 Scale



Specifications

- | | | | |
|---|---|--|---|
| A Recessed outlet box (by others) | D Die-cast aluminum end plate | G Die-cast aluminum splice box | L Integral high power factor constant current driver |
| B Die-cast aluminum mounting plate | E Die-cast aluminum hub (1.5"W x 1.5" dia.) | H Schedule 40 galvanized steel cantilever arm (7/8" O.D.) | M Field serviceable light engine with fraqtir™ asymmetric optic |
| C Aluminum surface hanger stem | F Extruded aluminum door frame with mitered corners, tempered micro-prismatic glass lens | J Aluminum access cover with silicone gaskets | |
| | | K Extruded aluminum heat sink/housing | |

Optic Assembly:

Two-piece extruded aluminum heat sink housing and light engine. Precision formed asymmetric optical light bar of high temperature, water-clear acrylic. Tempered microprismatic glass lens and holographic diffuser with silicone gasket for watertight operation when facing upward or downward.

Finish:

Exterior surfaces – 6 stage pretreatment and electrostatically applied thermoset polyester powder coating for a durable abrasion, fade and corrosion resistant finish. All hardware and components – non-corrosive stainless steel or aluminum.

Electrical:

Integral electronic HPF constant current driver(s), dimming drivers are optional. For complete driver specifications, see website, reference document MA-1303. 84" leads exit one end of housing (**OF** option, 84" leads exit both ends for feed-through wiring).

Mounting:

1-1/2" diameter x 1-1/2" aluminum hubs with 1/2" NPT threaded entry. Housing aiming is adjustable – locks with set screws. Optional accessory surface, pendant or cantilever hangers (ordered separately). Hangers include aluminum mounting plate, cover plate and hub with 7/8" O.D. steel arm/stem. Specify end kit or intermediate hubs/hangers.

Standard:

UL listed or CSA certified for wet locations when mounted horizontally. For positions other than horizontal, consult factory. 5 year warranty, maximum ambient temperature 45°C (113°F).

DLC for interior wall washing only.



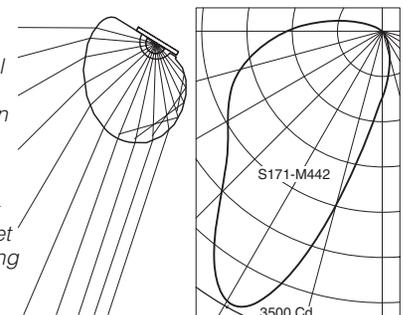
Features

- Watertight operation facing up or down
- Rugged all aluminum and stainless steel construction – polyester powder coat exceeds 1000 hour salt spray test
- Versatile – surface, cantilever or pendant mount
- Several lumen packages that put the light on target



Performance

fraqtir technology uses a combination of refraction and total internal reflection, creating a distribution of light ideal for illuminating surfaces uniformly. Glare is minimized while light delivered to the target is maximized, resulting in high application efficiency.



For photometric and lumen maintenance reports, visit thelightingquotient.com

L90(10k) > 60,000 hrs. @ 25°C per TM-21



Hubs, Hangers and Splice Boxes Styles **S171**, F151 and F164 linear fluorescent

Ordering information for HUBS with HANGERS and SPLICE BOXES:

Order one hanger **end kit** for each individually mounted luminaire or each row. For a continuous row, order one **intermediate** hanger for each additional luminaire in the row. Example: one row of four reflectors requires one end kit and three intermediate hangers.

HD **B 2 06 00** 0 = Hub mounting hangers

Length in inches (see below for maximum pendant and cantilever lengths), or enter "00" for HDA and HDB hangers

Finish: **02** semigloss white, **06** dark bronze, **07** silver, **08** semigloss black, **17** champagne, **18** copper

0 = no splice box

1 = (1) splice box

2 = (2) splice boxes (this option for end kits only)

A = Intermediate **surface** hanger (standard length is 4-3/4")

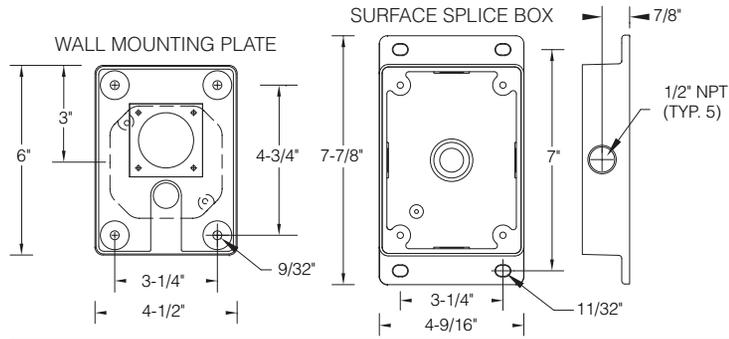
B = End kit **surface** hanger (standard length is 4-3/4")

C = Intermediate **cantilever** hanger (24" maximum horizontal)

D = End kit **cantilever** hanger (24" maximum horizontal)

F = Intermediate **pendant** hanger (60" maximum vertical)

G = End kit **pendant** hanger (60" maximum vertical)

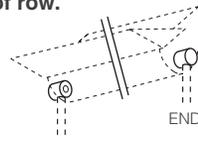


Ordering information for HUBS ONLY:

For use with 1/2" rigid conduit or fittings (supplied by others). Order one hub **end kit** for each individually mounted luminaire or each row. For a continuous row, order one **intermediate** hub for each additional luminaire in the row. Example: a row of six reflectors requires 1 hub end kit and 5 intermediate hubs. **Note: Locate electrical feed at end of row.**

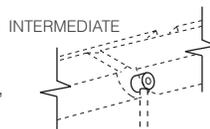
HOD 000 = End kit (includes 2 mounting hubs)

Finish: **02** semigloss white, **06** dark bronze, **07** silver, **08** semigloss black, **17** champagne, **18** copper



HOC 000 = Intermediate mounting hub

Finish: **02** semigloss white, **06** dark bronze, **07** silver, **08** semigloss black, **17** champagne, **18** copper

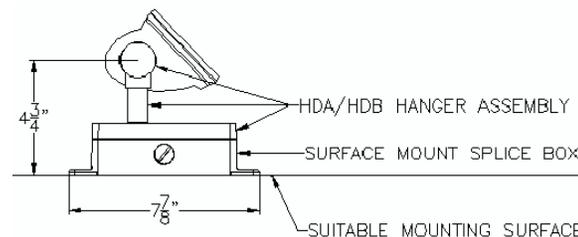


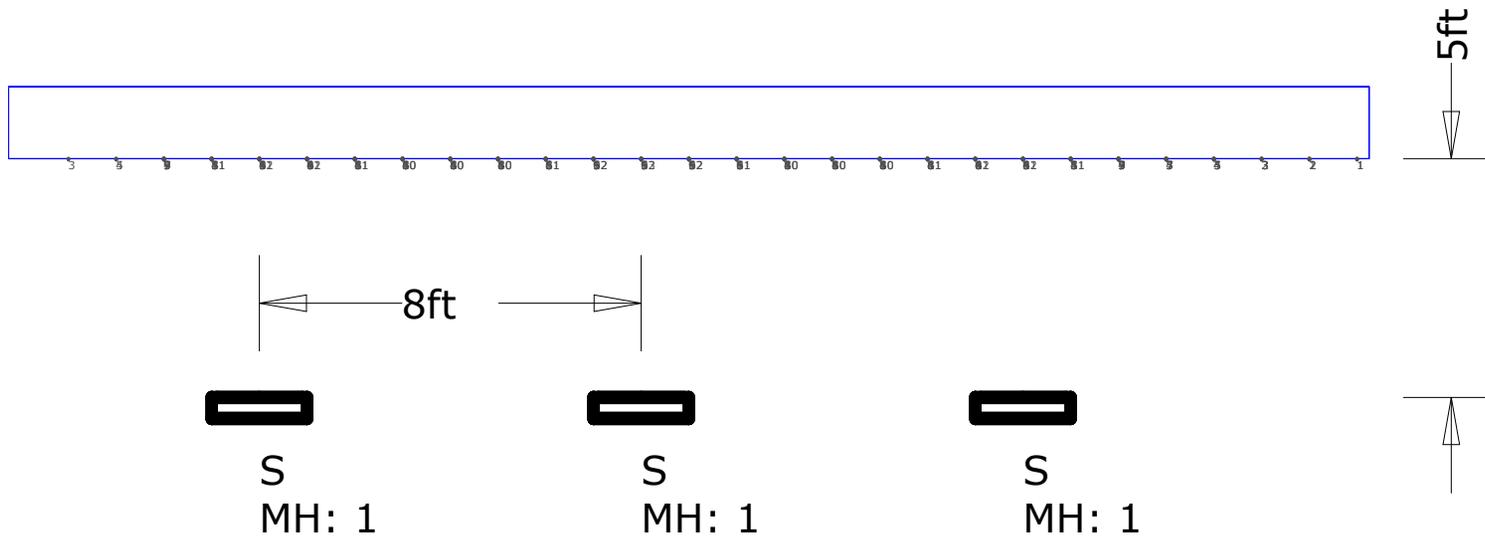
HUBS with HANGERS and SPLICE BOXES: Lighting the Vertical

HDA-0	HDC-0	HDF-0	HDF-1
HDA-1	HDC-1		
HDB-0	HDD-0	HDG-0	HDG-1
HDB-1	HDD-1		HDG-2
HDB-2	HDD-2		

HUBS with HANGERS and SPLICE BOXES: Uplighting

HDA-0	HDC-0	HDF-0	HDF-1
HDA-1	HDC-1		
HDB-0	HDD-0	HDG-0	HDG-1
HDB-1	HDD-1		HDG-2
HDB-2	HDD-2		





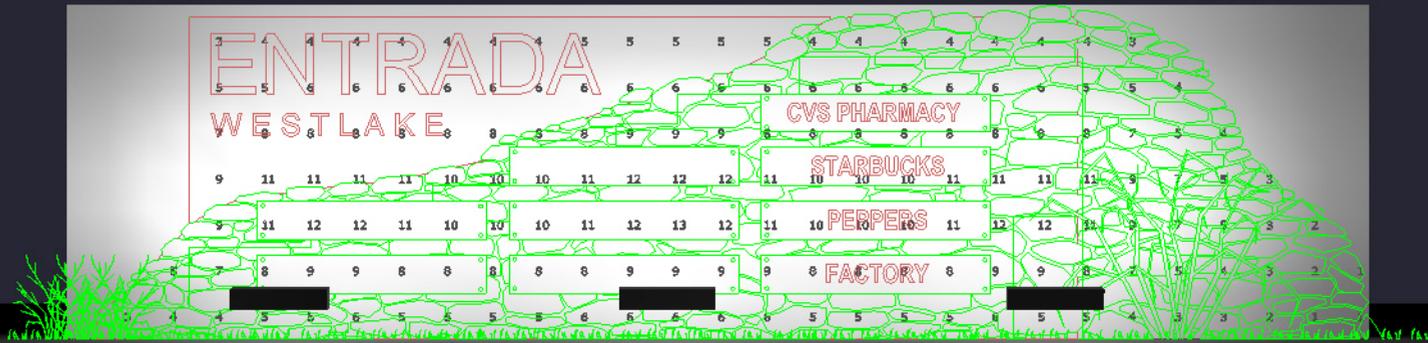
Luminaire Schedule								
Symbol	Type	Qty	Manufacturer / Catalog Number	Total Lumen Output	Total Input Watts	Ballast Factor	Light Lost Factor	User Defined Factor
⌬	S	3	ELLIPTIPAR_S171-L214-H-FINISH-8-00-0-30-00	891	16.1	1.000	0.808	1.000

Calculation Summary						
Calculation Grid Location	Calc. Height (Ft.)	Units	Avg	Max	Min	Avg/Min
SIGNAGE_Side_3	0.625	Fc	7.04	13	1	7.04

Notes:

1. Surface reflectances: Vertical/Horizontal - 50/20.
2. Calculation values shown at grade.
3. Mounting heights: As shown.
4. Luminaire description does not necessarily reflect specification model number. Contact salesperson for verification.
5. Sylvania lamp data used unless otherwise noted. LED luminaire uses integrated photometric lamp data, which is provided by manufacturer.
6. Lighting power density is calculated based on estimated ballast/driver energy consumption. Engineer to verify.



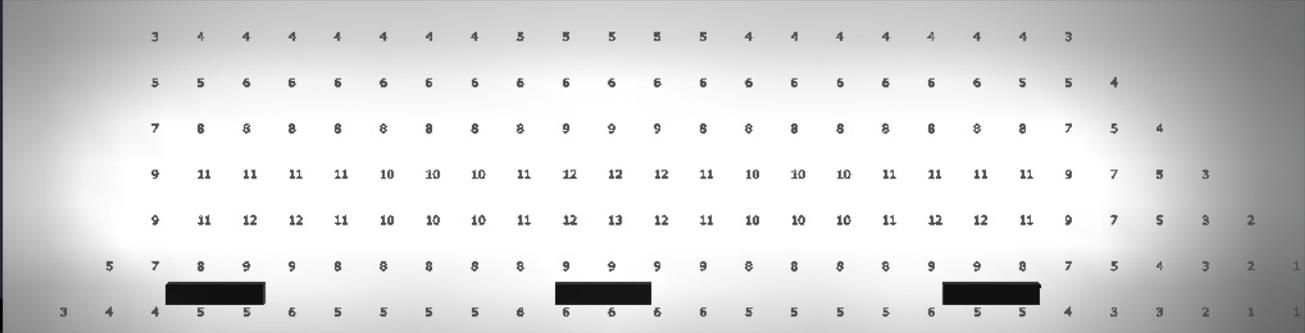


Architectural Lighting Associates

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