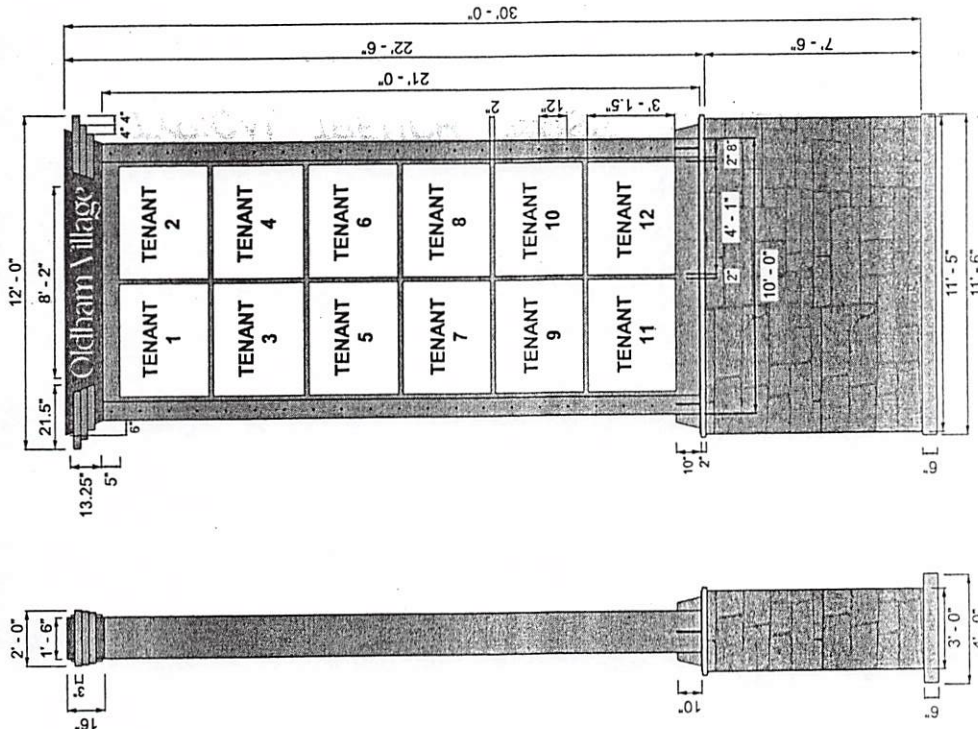


2-POLE, 30' OAH

MIDWEST SIGN  
OLDHAM VILLAGE

1050 SW JEFFERSON ST  
LEE'S SUMMIT, MO



QTY two double-sided, internally illuminated monument signs with base skirt.  
Cabinet: Welded aluminum framework with aluminum skin painted metallic silver.  
Upper "Oldham Village" Cabinet: Routed .080" aluminum with 1" white push-thru acrylic.  
Painted medium grey.  
Tenant panels: 3/16" white acrylic, individually removable.  
Illumination Throughout: Principal Sloan LEDs, 7000k, 24VDC  
Base Skirt: Stella Cream Dimensional stone veneer.  
Foundation: Twin HSS steel poles and 6" above grade concrete pad.

**RELEASED FOR  
CONSTRUCTION**  
As Noted on Plans Review

**Development Services Department**  
**Lee's Summit, Missouri**  
**12/09/2025**



CROCKER  
3211 E. SHADY GLEN ST.  
SPRINGFIELD, MO 65804  
417-883-4056  
C.A. 2008010470

REVISIONS:		Rev #	Plot #	Date	Rec by	Drawn by	Original	Client	Approval	Date
FILE NAME: Oldham Village Monument_06										
DATE: 8/27/2025		01	01	8/27/25	CK	CK	Original	SALES		
CLIENT: Drake Development / Oldham Village		03	03	8/27/25	CK	CK	QTY two			
ADDRESS: 1050 SW Jefferson St, Lee's Summit, MO 64081		04	04	10/1/25	CK	CK	Revised stone veneer to Stella Cream Dimensional	ESTIMATING		
		05	05	10/1/25	CK	CK	Stella Cream Dimensional image changed	ART		
		06	06	10/13/25	CK	CK	Option 2 removed	ENGINEERING		
ACCOUNT MANAGER: Chris Kelly				10/29/25	CK	CK	Measurements adjusted	LANDLORD		

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED EXCEPT WHERE SHOWN OTHERWISE. DATE 06-11-2013 BY 60322 UCBAW/STW

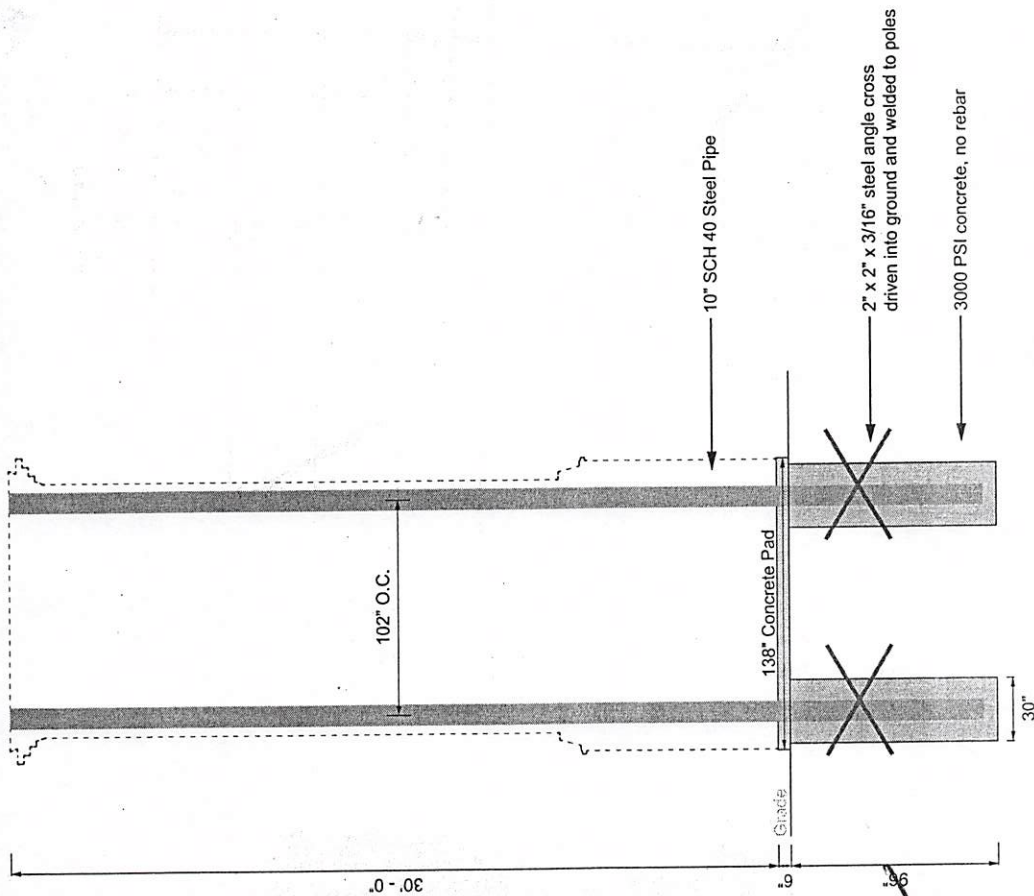
1050 SW J  
LEE'S  
SUMMIT, N

**PAGE 4**

2

**RELEASED FOR  
CONSTRUCTION**  
As Noted on Plans Review

**Development Services Department  
Lee's Summit, Missouri  
12/09/2025**



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## REVISIONS:

[illegible]

FILE NAME: Oldham Village Monument\_06  
DATE: 8/27/2025  
CLIENT: Drake Development / Oldham Village  
ADDRESS: 1050 SW Jefferson St, Lee's Summit, MO 64081  
ACCOUNT MANAGER: Chris Kelly

**MIDWEST  
SIGN COMPANY**  
TANLEY RD, KANSAS CITY, KS  
(816) 866-7446

DRAWING IS THE SOLE PROPERTY OF MIDWEST SIGN COMPANY. REPRODUCTION IS PROHIBITED WITHOUT PRIOR WRITTEN CONSENT. CUSTOMER IS RESPONSIBLE TO CHECK ALL SPELLING. COLORS MAY NOT BE ACCURATE REPRESENTATIONS AND MAY APPEAR DIFFERENT FROM ACTUAL SIZE.

## FOUNDATION DETAIL

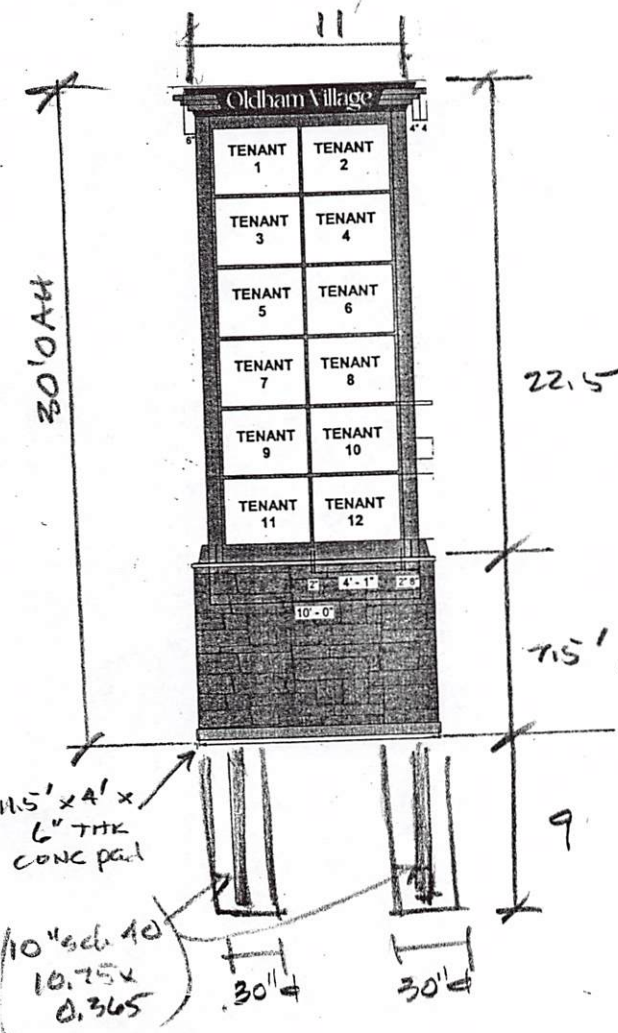


2-POLE 30' OAH

MIDWEST SIGN  
OLDHAM VILLAGE

1050 SW Jefferson St  
Lee's Summit MO 3

IBC 2018, 115 mph



Steel

$$11' \times 30' \times 22.8' = 7524 \times 15 = 112,860$$

$$S_R = \frac{112,860 \times 12}{23,450 \times 2} = 28.8 \text{ in}^3$$

$$S_P = 10'' \text{ sch } 40 = 29.9 \text{ in}^3$$

SR = SECTION MODULUS REQUIRED  
SP = SECTION MODULUS PROVIDED

$S_P > S_R$  OK

CONC

$$P = 7524 \div 2 = 3762$$

$$M = 112,860 \div 2 = 56430$$

$$h = 15$$

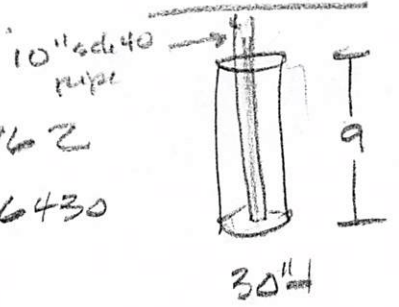
$$b = 2.5$$

$$S_t = (150)(2) \left( \frac{4}{3} \right) \left( \frac{8}{3} \right) = 1067$$

$$d = \frac{(1.17)(3762)}{(2.5)(1067)} \left[ 1 + \sqrt{1 + \frac{1186(1067)(2.5)(15)}{3762}} \right]$$

$$d = 9.1' \text{ req'd}$$

USE (2) 30"  $\phi$  x 9'-0" deep



Know what's below.  
Call before you dig

CROCKER  
3211 E. SHADY GLEN ST.  
SPRINGFIELD, MO 65804  
417-883-4056  
C.A. 2008010470



2025.10.30



2-POLE, 30' OAH

MIDWEST SIGN  
OLDHAM VILLAGE

1050 SW JEFFERSON ST.  
LEE'S SUMMIT, MO 4.

WIND @ 22.8 PSF 115 mph  
SNOW @ 20 PSF  
SOILS AT 1500 PSF (ASSUMED)  
LATERAL SOIL LOADING AT 150  
FOOTING/FOUNDATION

(2) 30"  $\phi$  x 9'-0" deep

POUR CONCRETE AGAINST UNDISTURBED SOILS, NOT BACKFILL  
ALL DESIGN, DETAILING, FABRICATION, AND CONSTRUCTION SHALL CONFORM TO THE  
FOLLOWING CODES AND SPECIFICATIONS:

- IBC 2018 EXP "C" (3-SEC GUST)
- CURRENT INTL. BLDG CODE (IBC)
- AMERICAN SOCIETY OF TEST'G MAT'LS (ASTM)
- BLDG CODE REQMT - REINF CONC (ACI 318-83).
- CODE FOR WELDING IN BUILDING CONSTRUCTION OF THE AMERICAN WELDING SOCIETY.
- CURRENT SPECS - AMERICAN INST OF STEEL CONST (ASIC) - DESIGN, FAB, & ERECTION.
- CONCRETE 3000 P.S.I. @ 28 DAYS COMPR STR, (145 P.C.F.)
- REINF ST'L - ASTM 1-615, GR 60, (IF REQD). WELDED WIRE FABRIC (WWF) - ASTM A185
- ALL REINF SHALL BE FREE FROM MUD, OIL, RUST OR COATINGS THAT WOULD REDUCE OR DESTROY BOND
- ALL REINF BARS SHALL LAP 30 DIAMETERS OR 12" MINIMUM, EXCEPT AS NOTED.
- MIN CONC COVER ON TIES, STIRRUPS AND MAIN BARS SHALL BE 1 INCH FOR SLAB, WALL AND SURFACES NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND  $\pm$  3 INCHES FOR UNFORMED SURFACES DEPOSITED AGAINST GROUND EXCEPT AS NOTED.
- TIE RE-BARS. DO NOT WELD RE-BAR.

STRUCTURAL STEEL AND PLATES - A-36.

STRUCTURAL TUBING - ASTM A-500, GR B, FY=50 KSI.

STRUCT PIPE - ASTM A-53, GR B, FY=35 KSI.

ANCHOR BOLTS ASTM A-307, EXCEPT AS NOTED.

HI STRGTH BOLTS - CONNECTIONS - ASTM A-325, U.N.O.

WELDING ELECTRODES - AWS D1.1-85, E70xx.

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD BEFORE  
ERECTION AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.

NO CABINET ENGINEERING PROVIDED. IF CABINET ENGRG IS REQ'D, CONTACT THE  
ENGINEER FOR ADD'TL SVCS.

6" OF CONCRETE OR GRAVEL PLACED IN BOTTOM OF FOUNDATION PRIOR TO MAIN POUR.  
ISOLATE ALUMINUM FROM STEEL.

ALL BOLT HOLES TO BE DRILLED OR PUNCHED.

ALL PIPE SIZES SHOWN ARE MINIMUM SIZES. PIPE WITH A LARGER DIAMETER, GREATER  
YIELD STRENGTH, AND/OR GREATER SECTION MODULUS MAY BE SUBSTITUTED.

ALL STRUCTURAL LENGTHS REQUIRED ARE APPROXIMATIONS ONLY. ACTUAL LENGTH MAY  
SLIGHTLY VARY DEPENDING ON SIGN CABINET CONDITIONS.

ALL WORK PERFORMED ON SITE SHALL BE DONE ACCORDING TO APPLICABLE OSHA  
REGULATIONS

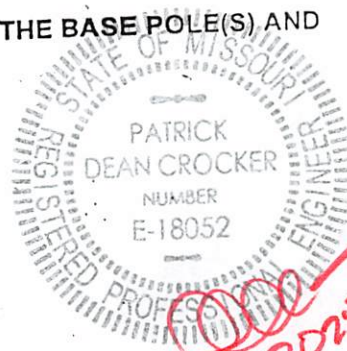
WATER SHOULD NOT BE ALLOWED TO POND IN THE EXCAVATION PRIOR TO CONCRETE  
PLACEMENT OR ABOVE CONCRETE AFTER THE FDTN IS COMPLETED

EXERCISE CARE DURING EXCAVATION OF THE FOUNDATION TO MINIMIZE DISTURBANCE TO  
THE SURROUNDING SOILS.

CALCULATIONS SHOWN ON THESE SHEETS ARE ONLY FOR THE BASE POLE(S) AND  
CONCRETE BASE-FOUNDATION

SR = SECTION MODULUS REQUIRED  
SP = SECTION MODULUS PROVIDED

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Patrick D. Crocker, P.E.

3211 E. Shady Glen St.

Springfield, MO 65804

417-883-4056

JOB TITLE Midwest Sign - Oldham Village Lees Summit Mo

2-pole 30 ft OAH

JOB NO.

SHEET NO.

CALCULATED BY

DATE

CHECKED BY

DATE

5

Wind Loads - Other Structures:

ASCE 7- 16

IBC 2018

Ultimate Wind Pressures

Wind Factor = 1.00  
Gust Effect Factor (G) = 0.85 Ultimate Wind Speed = 115 mph  
Kzt = 1.00 Exposure = C

A. Solid Freestanding Walls & Solid Signs (& open signs with less than 30% open)

Dist to sign top (h)	30.0 ft	s/h =	1.00	Case A & B	
Height (s)	30.0 ft	B/s =	0.40	C <sub>t</sub> =	1.58
Width (B)	12.0 ft	Lr/s =	0.00	F = qh G C <sub>f</sub> A <sub>s</sub> =	38.0 As
Wall Return (Lr) =	0.0 ft	Kz =	0.982	A <sub>s</sub> =	10.0 sf
Directionality (Kd)	0.85	qh =	28.3 psf	F =	380 lbs
Percent of open area to gross area	0.0%	Open reduction factor =	1.00	Case C	
				Horiz dist from windward edge	
				0 to s	C <sub>f</sub> 1.80 F=qhGC <sub>f</sub> A <sub>s</sub> (psf) 43.2 As
				s to 2s	1.20 28.8 As
		Case C reduction factors			
		Factor if s/h>0.8 =	0.80		
		Wall return factor for C <sub>f</sub> at 0 to s =	1.00		

$$38 \times 0.6 = 22.8$$



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