

10.2017



KYLE, TEXAS

WAYFINDING PROGRAM

WAYFINDING DIRECTIONALS

- DIRECTIONAL SPECIFICATIONS 1
 - SIGN SCHEDULE 2
- DIRECTIONAL BASE / D.O.T. BREAKAWAY 3

GATEWAY MONUMENTS

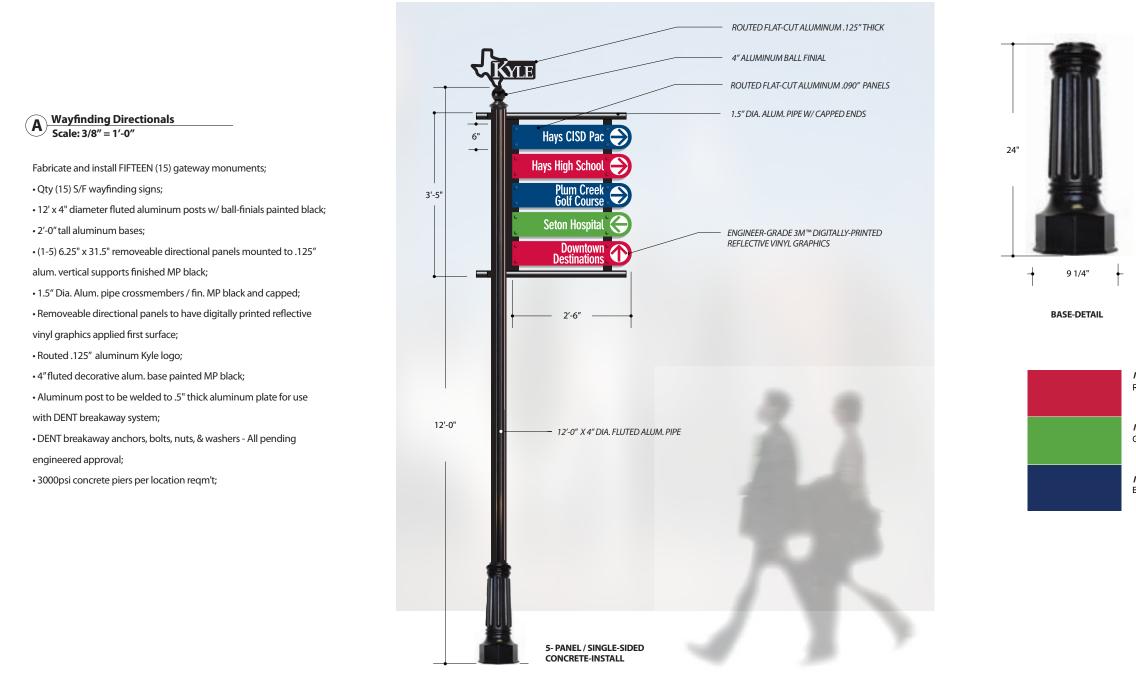
- RENDERINGS 4
- PLACEMENT PHOTOS 5
 - SPECIFICATIONS 6
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- BASE ENGINEERING / SLOPED INSTALL 8
- BASE ENGINEERING / FLAT GRADE INSTALL 9





CITY OF KYLE / WAYFINDING CONCEPTS / KYLE, TEXAS

Scale: 1/2" = 1'-0"



	CITY OF KYLE	Start Date: 7/16/2017	Design Rep.			REVISIONS			
	KYLE, TEXAS	Last Revision:	BEN ANGLIN	CLIENT APPROVAL APPROVAL: I have reviewed and approved the sign details on this drawing for fabrication and installation. DATE	MM/DD/YY 1	REMARKS	8		
FACILITY SOLUTIONS GROUP			Sales Rep. ANDREW CHAPMAN				2/_/		
10212 METRIC BLVD., AUSTIN, TEXAS 78758 1-800-327-1104/512-494-0002/fsqi.com				LANDLORD APPROVAL APPROVAL: I have reviewed and approved the sign details on this drawing for fabrication and installation. DATE	4/_/ 5//		\		

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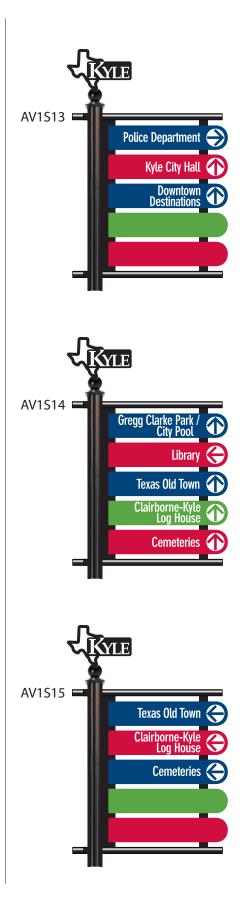
FINIAL-DETAIL

MATTHEWS 12602 Red: PANTONE 193

MATTHEWS 11856 Green: PANTONE 369

MATTHEWS 02098 Bluebonnet Blue: PANTONE 295

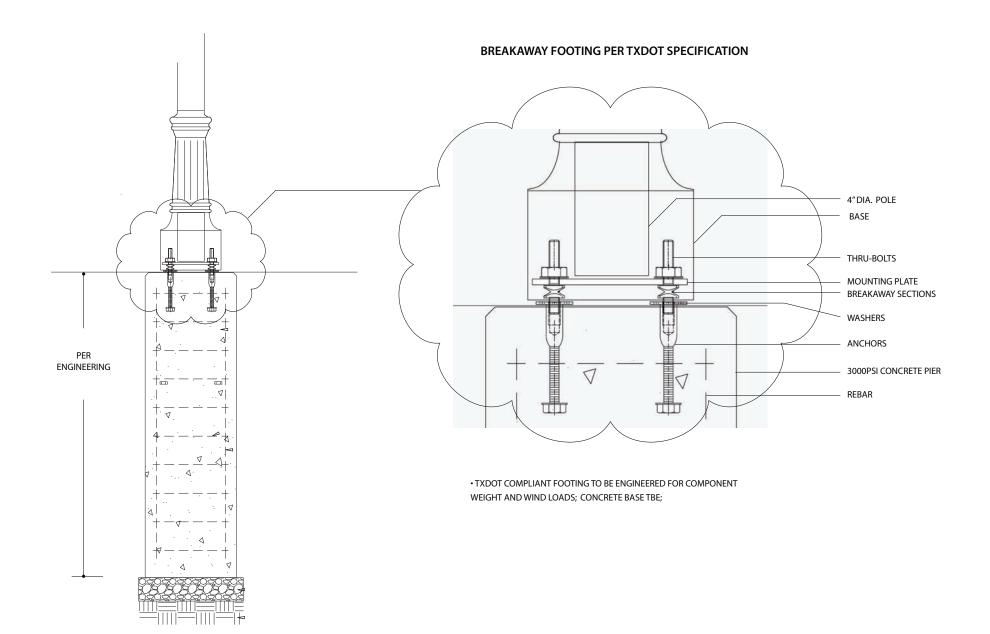






CITY OF KYLE / WAYFINDING CONCEPTS / KYLE, TEXAS

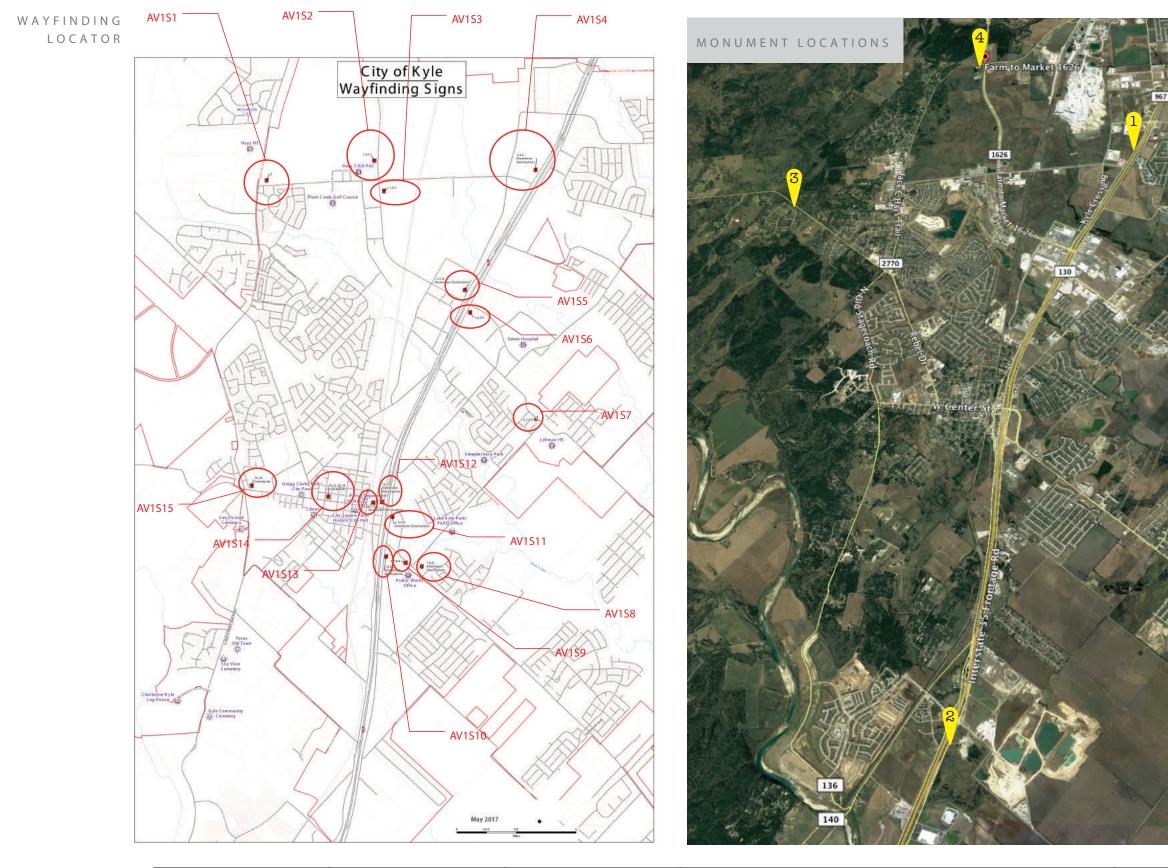
Scale: NTS





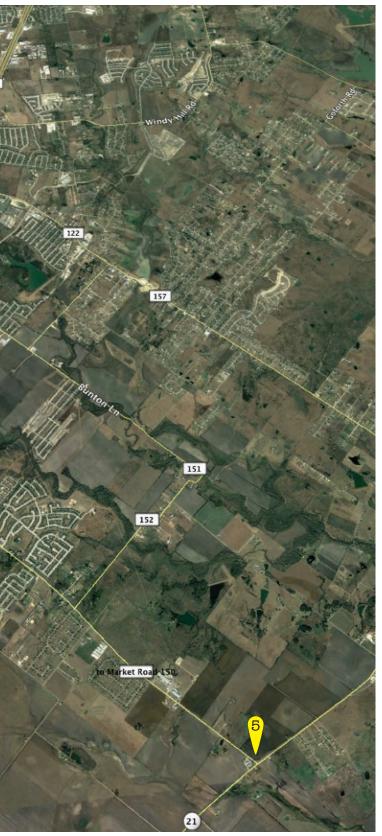
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FSE	CITY OF KYLE KYLE, TEXAS	Start Date: 7/16/2017 Last Revision: Job#:92J657	Design Rep. BEN ANGLIN Sales Rep.	CLIENT APPROVAL APPROVAL: There reviewed and approved the sign details on this drawing for fabrication and installation. DATE	MM/DD/YY 1	REVISIONS REMARKS	001
FACILITY SOLUTIONS GROUP 10212 METRIC BLVD., AUSTIN, TEXAS 78758 1-800-327-1104/512-494-0002/fsgi.com		Drawing #:92J8657_LOCATOR	ANDREW CHAPMAN	LANDLORD APPROVAL: I have reviewed and approved the sign details on this drawing for fabrication and installation. DATE	$\begin{array}{cccccccccccccccccccccccccccccccccccc$		AB

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B Gateway Monument nts

See following pages for specifications, engineering and dimension schedule;



CITY OF KYLE KYLE, TEXAS

Start Date: 7/16/2017 Last Revision: Job#:92J8657 Drawing #:92J8657BV2S1 Design Rep. BEN ANGLIN Sales Rep. ANDREW CHAPMAN

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CITY OF KYLE / WAYFINDING CONCEPTS / KYLE, TEXAS

Proposed Location of City of Kyle Gateway Sign Southbound IH 35 Approximately 1200 feet north of the Kyle Crossing Bridge













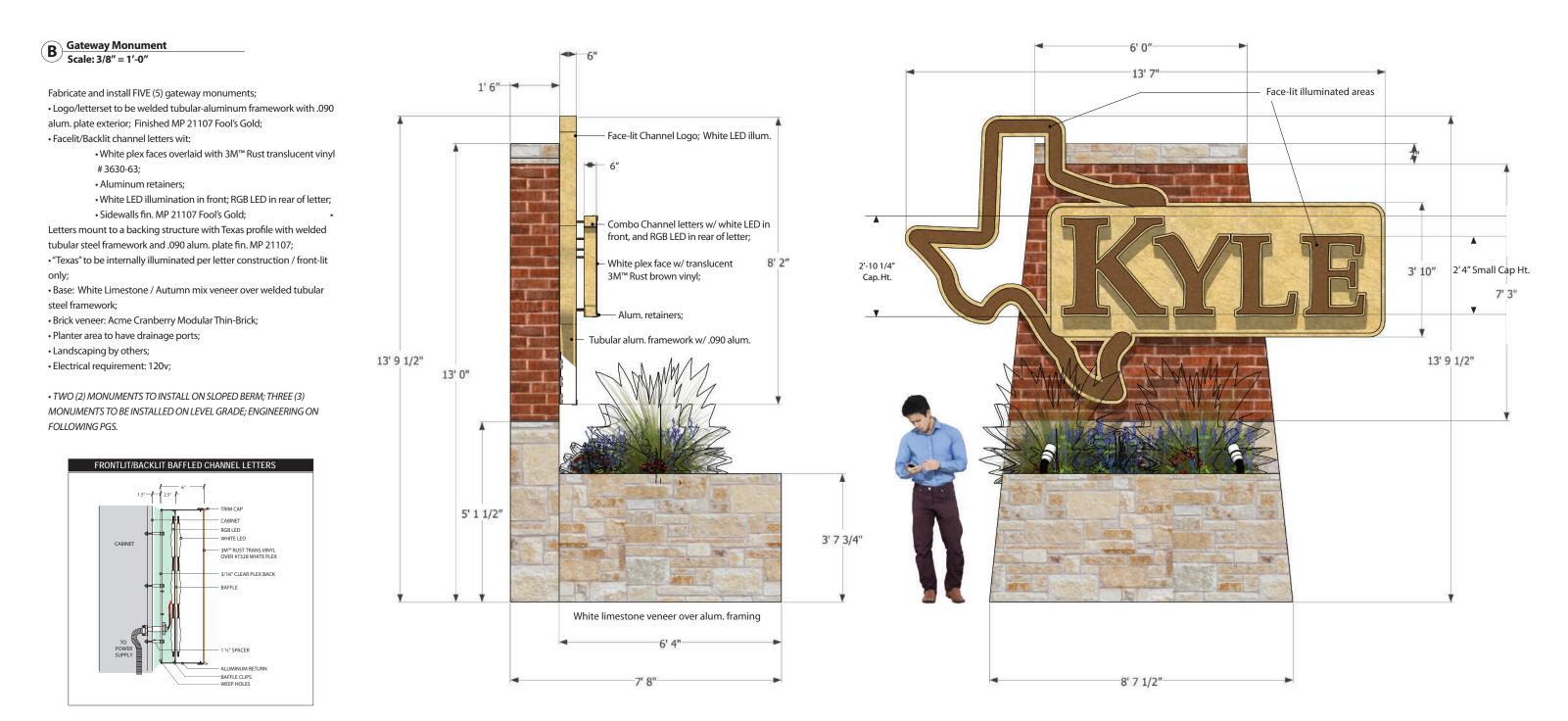
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CITY OF KYLE KYLE, TEXAS Start Date: 7/16/2017 Last Revision: Job#:92J8657 Drawing #:92J8657BV2S2 Design Rep. BEN ANGLIN Sales Rep. ANDREW CHAPMAN

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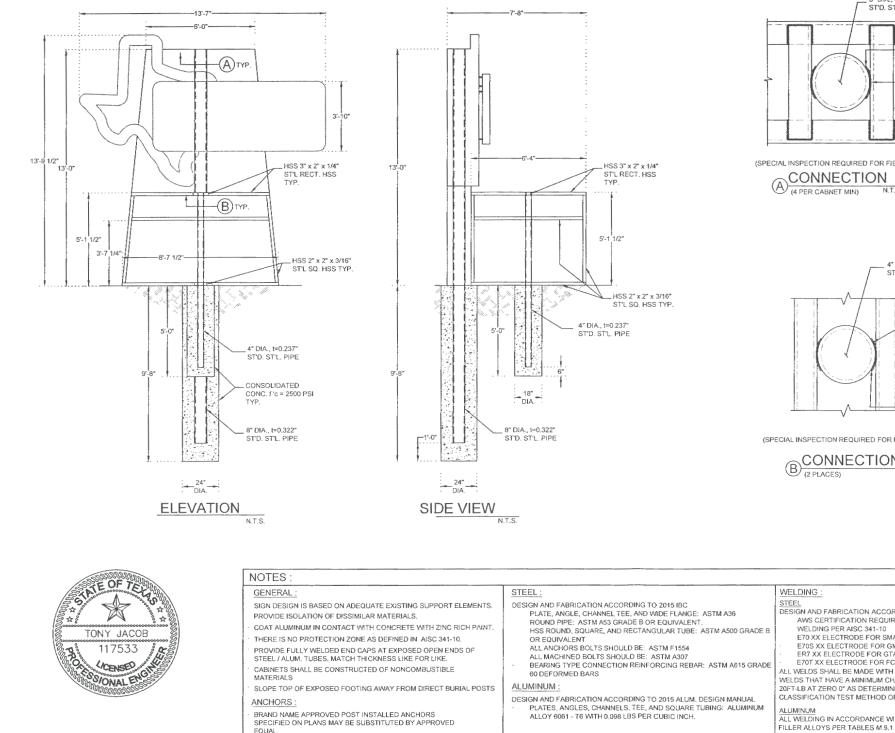




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MONUMENT ENGINEERING



FLAT-GRADE LOCATIONS

SE OF TANK	NOTED.						
TONY JACOB 117533 TONS JACOB TONY JACOB	GENERAL : SIGN DESIGN IS BASED ON ADEQUATE EXISTING SUPPORT ELEMENTS. PROVIDE ISOLATION OF DISSIMILAR MATERIALS. COAT ALUMINUM IN CONTACT WITH CONCRETE WITH ZINC RICH PAINT. THERE IS NO PROTECTION ZONE AS DEFINED IN AISC 341-10. PROVIDE FULLY WELDED END CAPS AT EXPOSED OPEN ENDS OF STEEL / ALUM. TUBES, MATCH THICKNESS LIKE FOR LIKE. CABINETS SHALL BE CONSTRUCTED OF NONCOMBUSTIBLE MATERIALS SLOPE TOP OF EXPOSED FOOTING AWAY FROM DIRECT BURIAL POSTS ANCHORS : BRAND NAME APPROVED POST INSTALLED ANCHORS SPECIFIED ON PLANS MAY BE SUBSTITUTED BY APPROVED EQUAL.	OR EQUIVALENT ALL ANCHORS BOLTS : ALL MACHINED BOLTS BEARING TYPE CONNE 60 DEFORMED BARS ALUMINUM : DESIGN AND FABRICATION	IEL TEE, AND WIDE I S3 GRADE B OR EOL AND RECTANGULA SHOULD BE: ASTM SHOULD BE: ASTM ECTION REINFORCIN ACCORDING TO 2011 INNELS, TEE, AND S 0.098 LBS PER CUBI	FLANGE: ASTM A36 JIVALENT. IR TUBE: ASTM A500 GRADE B F1554 IA307 NG REBAR: ASTM A615 GRADE 5 ALUM. DESIGN MANUAL QUARE TUBING: ALUMINUM IC INCH.	AWS C WELDI E70 X) E70 X) E70 X E70 X E70 X E70 X ALL WELDS THA 20FT-LB AT CLASSIFICA ALUMINUM ALL WELDIN FILLER ALLC	D FABRICATI DERTIFICATIO NG PER AISG CELECTROD X ELECTROD X E	N REQUIRE 341-10 E FOR SMAV DE FOR GTAV DE FOR GTAV DE FOR FCA ADE WITH A ADE WITH A DETERMINEI IETHOD OR DANCE WITI LES M.9.1 &
			DRN BY: I.G.	DATE LAST REVISED: Sep 01, 2017		0. REV. DATE	REVISED BY
P.O. BOX 802050	city of kyle wayfinding co)NCEPTS	CHIK BY: R.T.	PROJ. START DATE: Aug. 31, 2017	1		
SANTA CLARITA, CA. 91380	Monument Sign - 1		REV BY: T.J.	SCALE: AS SHOWN	2	!!	
TEL. (661)259-0700 FAX. (661)259-0900			plotted by	y: yjinc on 9.1.2017 @ 3:39 PM	3	-1-1-	-



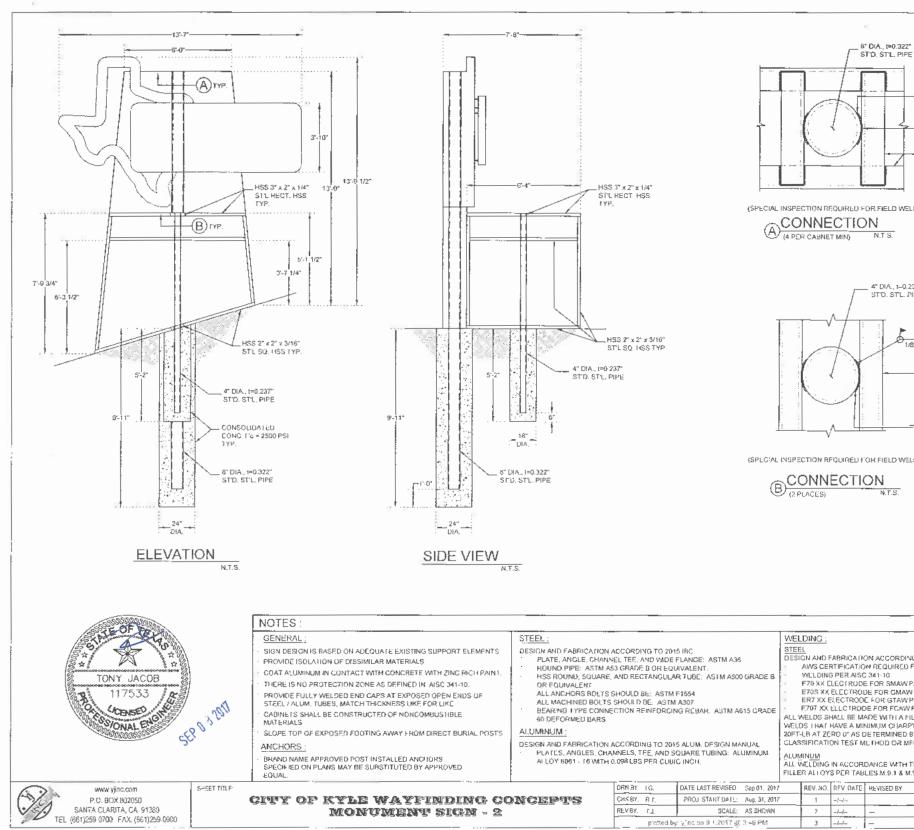
				REVISIONS	m
CITY OF KYLE Start Date: 7/16/2017 KYLE, TEXAS Last Revision:	Design Rep.		MM/DD/YY	REMARKS	Ö
Last nevision.	BEN ANGLIN	CLIENT APPROVAL APPROVAL: I have reviewed and approved the sign details on this drawing for fabrication and installation. DATE	1		Ō
Job#:92J8657	Sales Rep. ANDREW CHAPMAN				
Drawing #:92J8657BV2S3	ANDREW CHAPMAN		3//		m
		LANDLORD APPROVAL APPROVAL: There reviewed and approved the sign details on this drawing for fabrication and installation. DATE 4	····		

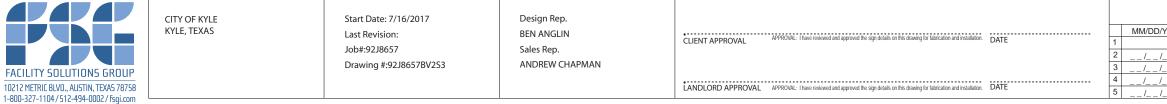
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	-	Sign Design Based on 20	15 IBC			
	2 2 2			1		
	Job #	JTS_152617				
8" DIA., t=0.322"	Project Job Loca	City of Kyle Wayfindin ; Concepts - Mo tion Southbound IH 35 & conthbound IH 3	nument Sign- 1 5			
ST'D. ST'L. PIPE		Kyłe, TX				
	INPUT D	NTA	·····			
		e category (B, C or D)	2	с		
	Risk Cat	egony	Ξ			
NOTCH PURLINS		nd speed (3 sec. gust wind V phic factor K ₂	<u>-</u>	115	mph Fiat	1
TO WELD	Height of			25		
		limension (for wall, s = h) s		8.84 1		
1/8" 1/ (TYP.		al dimension B on of return corner L,		1.75 1		
	5		and the second second second second			
CABINET	ANALYSI Velocity					
FRAME	q. = 0.00	256 K _n K _{et} K _e V ² = 27.05 psf				
TYP.	where					
		sity pressure at height h. (Ec. 29.3-1, page 2 city pressure exposure coefficient	(43)		-	0.94
	evaluated	d at height above ground level, h (Tab. 29.3-				
D FOR FIELD WELD)	K _e = wind	directionality factor. (Tab. 27.6-1, page 194)	1 1	. "	0.85
		ce Case A: resultant force though the geor	metric center (S	Sec. 29.4.1	& Fig.	29.4-1)
ION		chorizontal wind pressure = p = q _h GC _f = = gust effect factor, (Sec. 2£ 9, page 198).			-	40.92 ps/ 0.85
N.T.S.		= gust effect factor, (Sec. 25.9, page 198) = net force coefficient. (Fig. 29.4-1, page 25	2)			1.7B
		= B s = the gross area			=	120.1 ^{#2}
	DESIGN	SUMMARY				
	AI	lowable Stress Design V. ind Factor =				
			x p = x As =	24.55 s		
		Woment Ann =		6.92 f	t	
	D	esign Moment = Fxmomentarm =		20.394	ip-î	
4" DIA., t=0.237"	Footin	g 1 Design (Nonconstrained)				
ST'D. ST'L. PIPE	Diameter	= 2.00 FT				
/	Soil Pres	sure = 100.00 PSF/F 640.00 PSF				
	A =	5.39 FT				
	EMBED					
1/8" V TYP.	24 in	. Dia. Depth = ∋'-8"				
110 F	1	1 1 1 7 1				
	Pole 1	Design Std. Steel Pipe				
HSS 3" x 2" x 1/4"	Sec. Mo	d. Req'd. USE 453 Grade B 1.65 8" Dia., t=0.322 S=15.8				
ST'L RECT. HSS	3- 1	100 0 DIA., (-0.022 0-15.0	· · · · · · · · · · · · · · · · · · ·			
OR HSS 2" x 2" x 3/16"	Frame	Design (See attached Risa cald	:s)			
ST'L SQ. HS	3	St1. Square HSS SE A500 Grade E				
	HS	S 2x2x3/16				
NOTCH PURLINS		St1. Rect. HSS SE A500 Grade 8				
TO WELD	н	SS 3x2x1/4				
		St'd. Steel Pipe				
RED FOR FIELD WELD)		SE A53 Grade 8 Dia., t=0.237				
(ED FOR FIELD WEED)						
TION			Ohana X-	0.046		
	Max, Su	pport Shear Reaction, LC4, Node N29A	Shear, X = MZ =	1.788 k		
N.T.S.			Shear, Z =	0.000 k	ips	**************************************
			esultant Shear≃ Arm≃	0.645 k		
	Footin	g 2 Design (Nonconstrained)		2.77211		
	Diameter	= 1.50 FT				
	Soil Pres	sure = 100.00 PSF/FT 328.67 PSF				
	01 = A =	3.06 FT				
	EMBED,		1 ha him and an and			
	18 in	. Dia. Depth = 5' - 0"			[
		·····				
	r					
		CONCRETE :				
		DESIGN AND CONSTRUCTION	ACCORDIN	NG TO A	CI 3	8-14
IN ACCORDING TO AWS D1.1.		 COMPRESSIVE STRENG 				
N REQUIRED FOR ALL STRUCTURAL WELDERS. 341-10		MINIMUM.				
FOR SMAW PROCESS.		CEMENT TYPE II OR IV. PIER AND CAISSON FOO		u.45 BY	WEH	SHIFOR
E FOR GMAW PROCESS.	ŀ	CONCRETE MUST BE P		INST 1	NDIS	TURBED
FOR GTAW PROCESS.		EARTH.				- un christelief
E FOR FCAW PROCESS.		MAINTAIN A MINIMUM 3	CONCRETE	E COVE	R OV	ER ALL
ADE WITH A FILLER METAL THAT CAN PRODUCE		EMBEDDED STEEL				
ETERMINED BY THE APPROPRIATE AWS A5						
ETHOD OR MEG'S. CERTIFICATION.						
						ĺ
DANCE WITH THE LATEST EDITION OF THE AWS A						
LES M.9.1 & M.9.2 OF 2015 ALUMINUM DESIGN MAP	VUAL.					
REVISED BY PROJECT JOB #: JTS_152617_City	of Kyle S	Signage Southbound 1-135 & Nor	thbound IH 3	5 Kyle	FX.dv	VC
PROJECT LOCATION : CITY OF KYLE				SHEET #	_	. a
		ORTHBOUND IH 35		UNCCI #		
KYLE, TX				1	0	- 1
-						

MONUMENT ENGINEERING

SLOPED-GRADE LOCATIONS





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	Sign Design Based on 2015 IBC
	Job# JTS_152817
2*	Project City of Kyle Waythding Concepts - Manument Sign- 2
ξ	Jos Locaban Southbound IH 35 & Northbound IH 35 Kyle, TX
	INPUT DATA
	Expressive category (8, C or D) - C
TO WELD	Basic wind speed (3 see guat wind) V = , 115 mph
I G WEED	Tapográphic factor K _n = 1 Flat
	Neight of the sign b = 25 ft Verbeal dimension (bri wall s = b) s = 930 ft
түр. 1/8° ГҮР.	Horizontal dimension B = 10.58 M
	Olimena kon of letter to construct L = 175.11
CABINET	ánda VSIS
FRAME	Valiscity pressure g_ = 0.00256 K_s K_s K_s V ³ = 27.05 psf
TYP.	Abre
	q, - velacitypressure at height h (E.: 293-1, cage 249)
	K, = whonky pressure exposure coefficients = 0.34 e-alualed aline ghi abave ground (e.e.), hi [Tao (23.3.1) pg 25.1]
ELD)	Ne - wind dredienally factor. (Tab 20 6-1, page 134) = 0.85
	Wind Force Case A resultant force though the geometric center (Sec 25.4.1 & Fig. 28.4-1)
	Maxho/gonial who pressure = p = q, G C = - = 40.76 psr
	where G = gust effect factor, (See 77.5, page 198), - 0.65
	Cr-Hellore coefficient (Hip. 29.4-1, page 252) # 77 Ar - Bis • It-rigross area = 126.4 #
	Attemable Stress Design Wind Factor = 0.6
2078	Design Wind Pressure = 0.6 x p = 24,47 ps ⁴
237" PIPE	Design Windforce, F = 24,47 x As - J 3.092 kips
7 IF L	Nement Am - 7.28 n Design Moment = F x Noment arm = 22.51 jup.r.
	Eooting 1 Design (Nonconstrained) Demeter = 2 00 FT
/	Shill Pressure . 100.00 PSE/F F
I/8-7 TYP.	Si = 55933 P0F A - 540 FT
	A - 540 FT E446ED 5.09 Fi
HSS 31 × 21 × 1/41 SFL RECT. HSS	24 m. Dia. Depth9111
OR	Pole 1 Design Stor Stori Pipe
HSS 2" x 2" x 3/16"	Sec. Mod. Regist. USF 453 Grade a
ST'L SQ. HSS	S = 12 86 8" (ka., r=0.322 S= 15 80
	Frame Design (See Maching Risa cates)
NOTCH PURLINS	Sti Square ⇒55
TO WELD	USE ASD0 Grace 8 H35 2x2x3/16
	511, Rect. HSS
ELO)	USF ASU Grade B HSS 3.cZxS16
	20d Shad Dee
	USE AS3 Grane B
	d* Dia., 1-0.237
	Max Support Sthear Reaction, LC4 Node N254. Shear, X = 0.596 kips
	MZ = 2.458 кip-л Shear, 2 = 0 090 ырж
	Resultant Shear= 0.595 kips
	Am- 4 1242 t
	Eooting 2 Design (Nonconstrainer) Demean 50 FT
	Soil Pressure = 105.50 PSF/FT
	S. = 341.33 PSF
	A = 2.72 FT EMBCD 512 FT
	EMBED \$12 Fr
	18 in. Dia Depth - 5' - 2"
	CONCRETE :
NG TO AWS D1.1.	DESIGN AND CONSTRUCTION ACCORDING TO ACI 315-14 COMPRESSIVE STRENGTH AT 28 DAYS, fre=2500 PSI
FOR ALL STRUCTURAL WELDERS.	MINIMUM.
PROCESS.	CEMENT TYPE 1 OR IV. W/C RATIO 0.45 BY WEIGHT FOR
W PROCESS.	PIER AND CAISSON FOO FINGS
PROCESS.	 CONCRETE MUST BE POURED AGAINST UNDISTURBED EARTH.
VPROCESS.	MAINTAIN A MINIMUM 3" CONCRETE COVER OVER ALL
HELER METAL THAT CAN PRODUCE PY V-NOTCH TOUGHNESS OF	EMBEDDED STEEL
BY THE APPROPRIATE AWS AS	
AFG'S CERTHICATION.	
THE LATEST EDITION OF THE AWS A	.5.10.
M.9.2 OF 2015 ALUMINUM DESIGN MAI	
PROJECT IND A TRACTOR	of Kula, Sianan, Southhoused III 25 & Number of R. 105, Mar. 19
	of Kyle_Signage_Southbound IH 35 & Northbound IH 35 Kyle 1X.dwg
PROJECT LOCATION : CITY OF KYLE	WAYFINDING CONCEPTS SHEET # CH 35 & NORTHBOUND IH 35
XYLE, 7X	1 OF 1

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