

10.2017



KYLE, TEXAS

WAYFINDING PROGRAM

WAYFINDING DIRECTIONALS

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

GATEWAY MONUMENTS

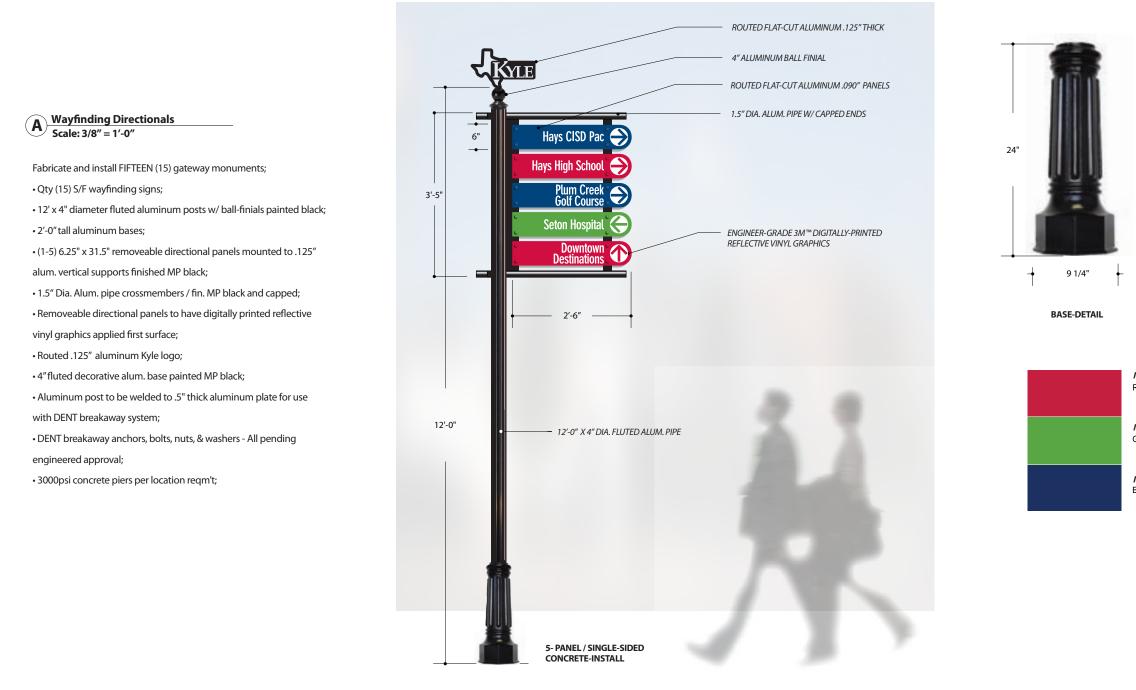
- RENDERINGS 4
- PLACEMENT PHOTOS 5
 - SPECIFICATIONS 6
 - LOCATOR MAP 7
- BASE ENGINEERING / SLOPED INSTALL 8
- BASE ENGINEERING / FLAT GRADE INSTALL 9





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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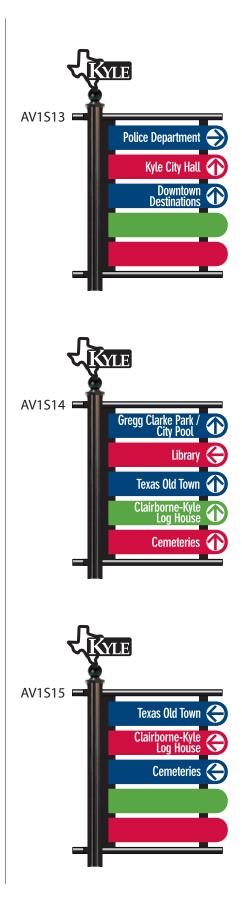
FINIAL-DETAIL

MATTHEWS 12602 Red: PANTONE 193

MATTHEWS 11856 Green: PANTONE 369

MATTHEWS 02098 Bluebonnet Blue: PANTONE 295

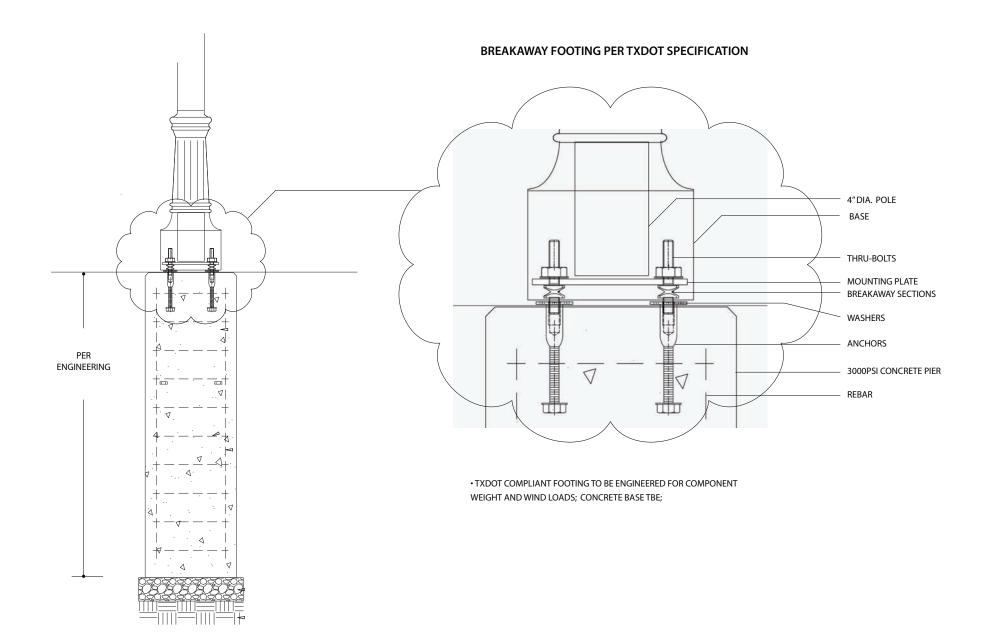


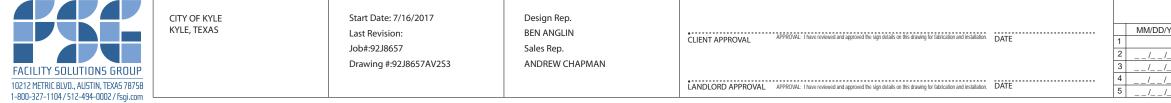




CITY OF KYLE / WAYFINDING CONCEPTS / KYLE, TEXAS

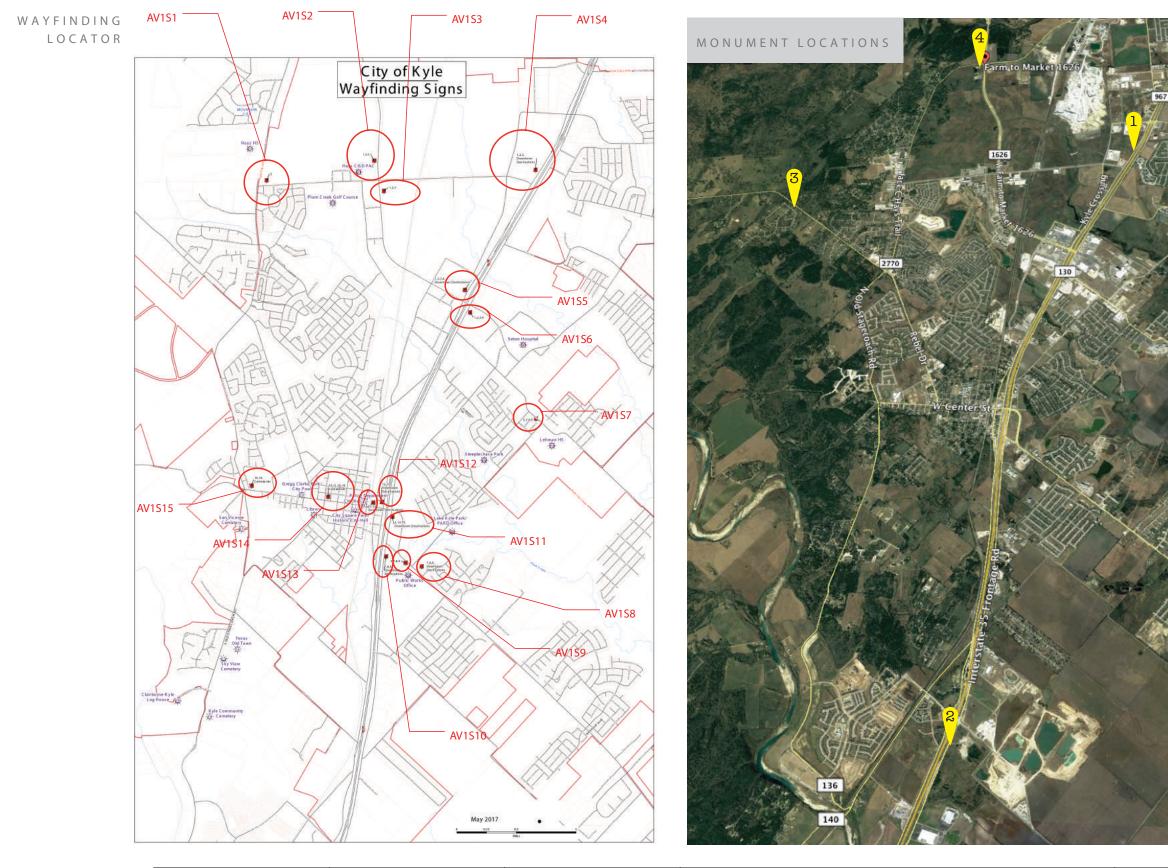
Scale: NTS





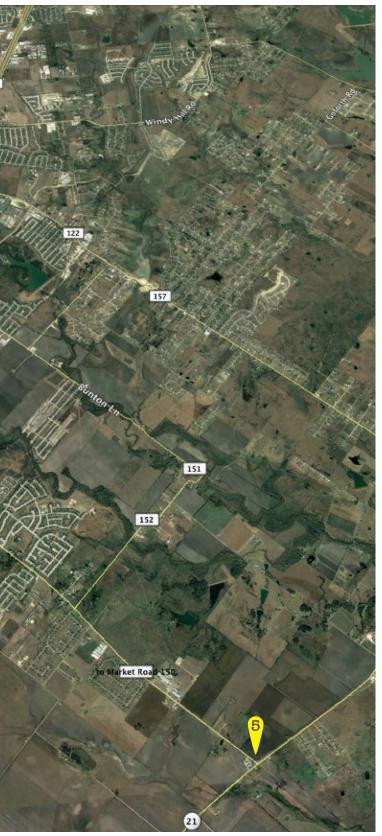
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| | DALLE DV FRCL CODVIDICUT CARLE (FRCLALL DICUTE DESERVED | |



| 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;



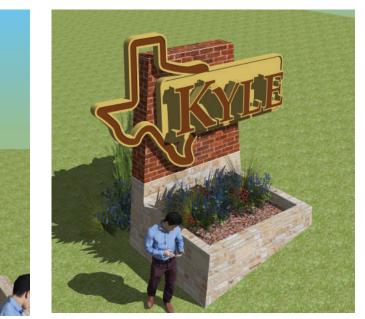
CITY OF KYLE KYLE, TEXAS

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

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| CLIENT APPROVAL APPROVAL: I have reviewed and approved the sign details on this drawing for radincation and installation. DATE | 1 | | | | 0 |
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| LANDLORD APPROVAL APPROVAL: I have reviewed and approved the sign details on this drawing for fabrication and installation. DATE | 4 | // | | | Ξ |
| LANDLORD APPROVAL APPROVAL: Thave reviewed and approved the sign details on this drawing for tabrication and installation. DATE | 5 | /_/ | | | |

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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













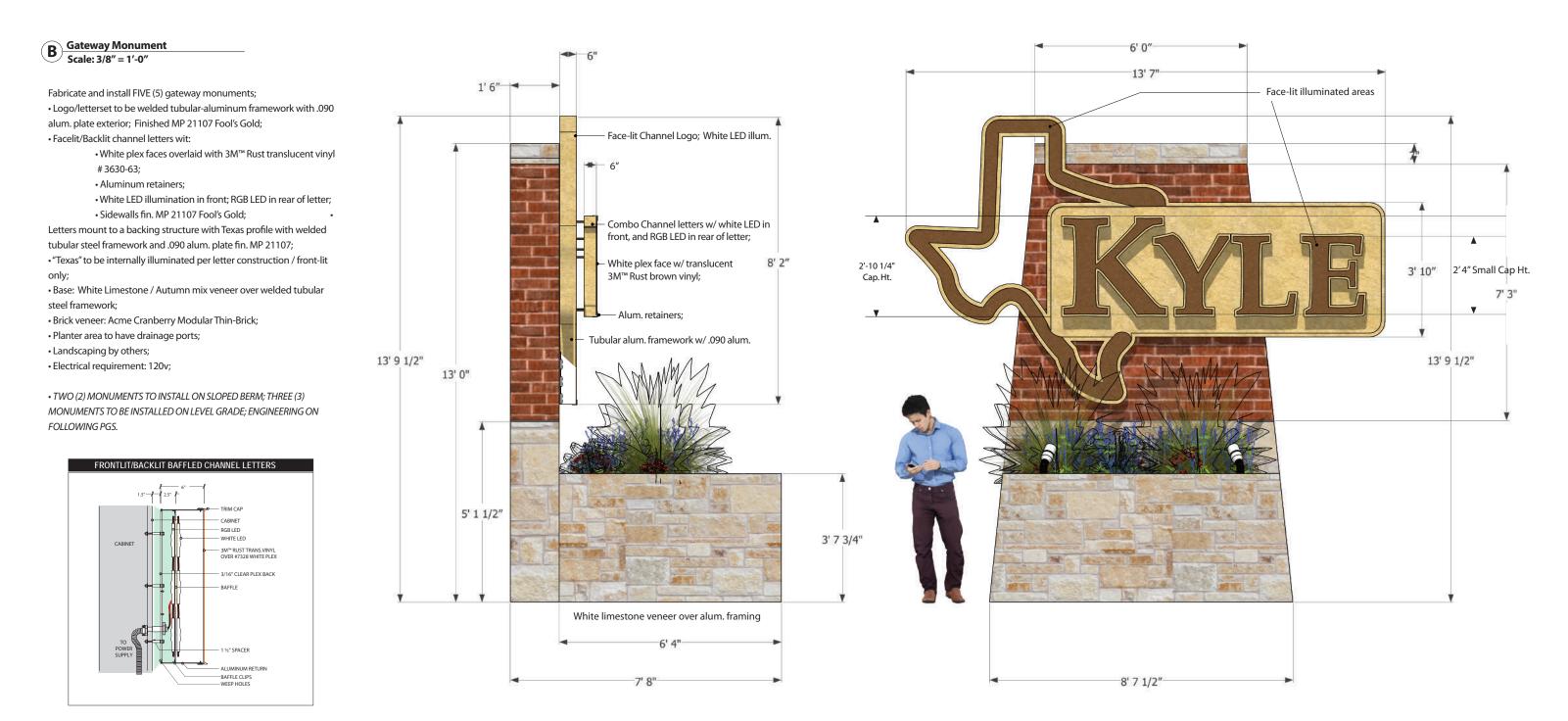
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CITY OF KYLE KYLE, TEXAS Start Date: 7/16/2017 Last Revision: Job#:92J8657 Drawing #:92J8657BV2S2 Design Rep. BEN ANGLIN Sales Rep. ANDREW CHAPMAN

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| LANDLORD APPROVAL APPROVAL: I have reviewed and approved the sign details on this drawing for fabrication and installation. DATE | 4 | // | | _ m | \mathbf{m} |
| LANDLORD APPROVAL APPROVAL: I have reviewed and approved the sign details on this drawing for fabrication and installation. DATE | 5 | /_/ | | L | |

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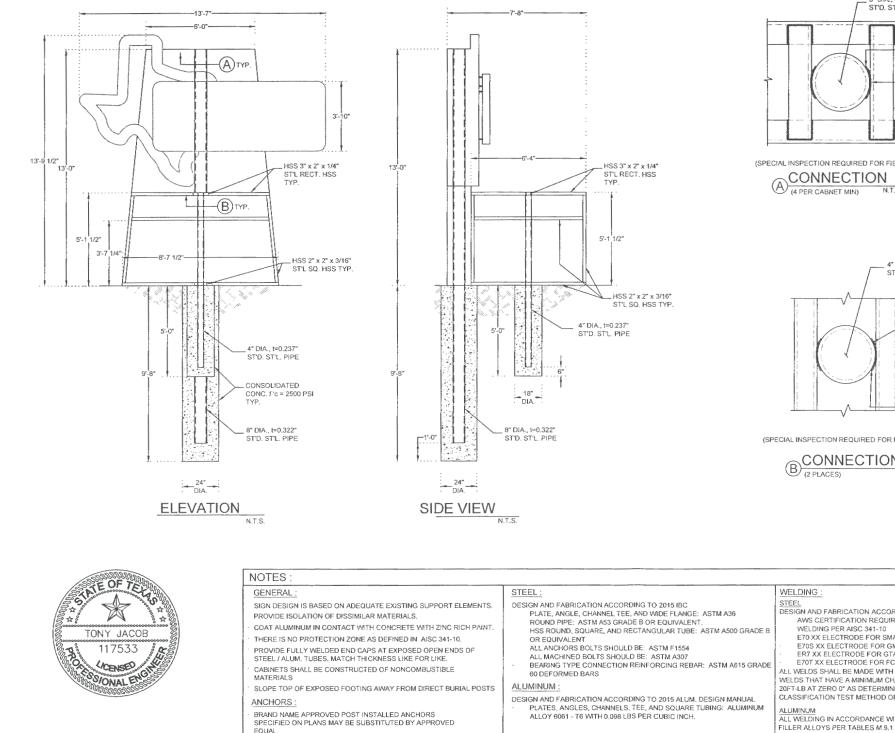




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MONUMENT ENGINEERING



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- | - |
| | | | | | | | |



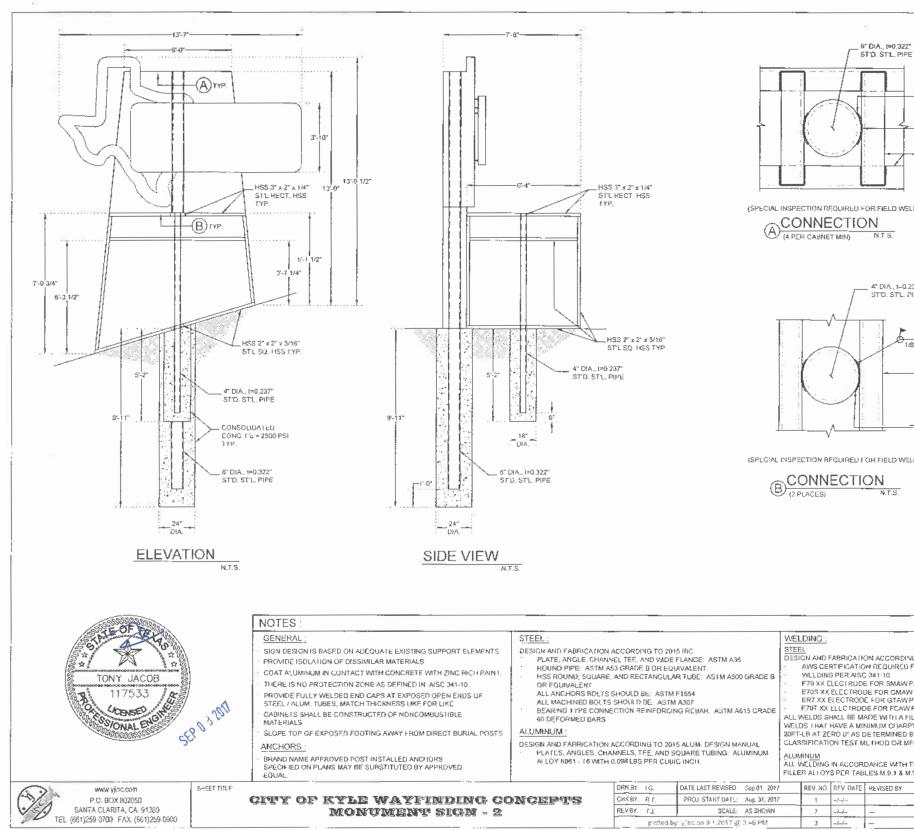
| | | | | REVISIONS | m |
|--|------------------------------|---|----------|-----------|---|
| CITY OF KYLE Start Date: 7/16/2017 KYLE, TEXAS Last Revision: | Design Rep. | | MM/DD/YY | REMARKS | Ö |
| Last nevision. | BEN ANGLIN | CLIENT APPROVAL APPROVAL: I have reviewed and approved the sign details 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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