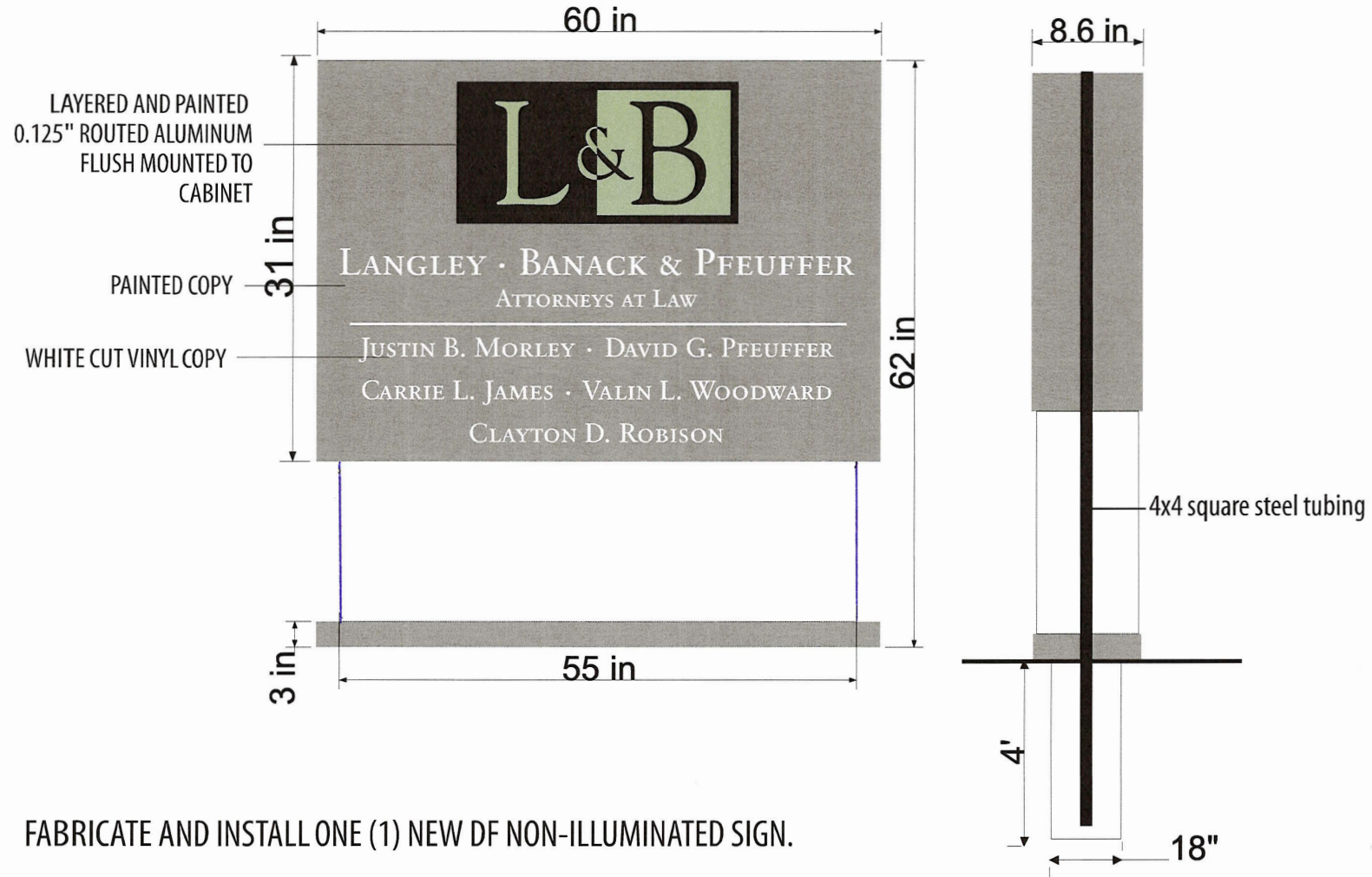


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State License TSCL 18159

258 TRADE CENTER DRIVE  
NEW BRAUNFELS, TEXAS 78130  
830.629.4411 FAX 830.629.8099  
ussigns@sbcglobal.net • www.ussignsnb.com



Client LANGLEY · BANACK & PFEUFFER  
ATTORNEYS AND COUNSELORS AT LAW

170 East San Antonio Street  
New Braunfels, Texas 78130

Approval

Date 4-22-21

All drawings submitted are property of U.S. Signs until purchased by The Client. No alterations or distributions can be made without written consent from U.S. Signs

THIS SIGN IS INTENDED TO BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF ARTICLE 600 OF THE NATIONAL ELECTRICAL CODE AND/OR OTHER APPLICABLE LOCAL CODES. THIS INCLUDES PROPER GROUNDING AND BONDING OF THE SIGN.



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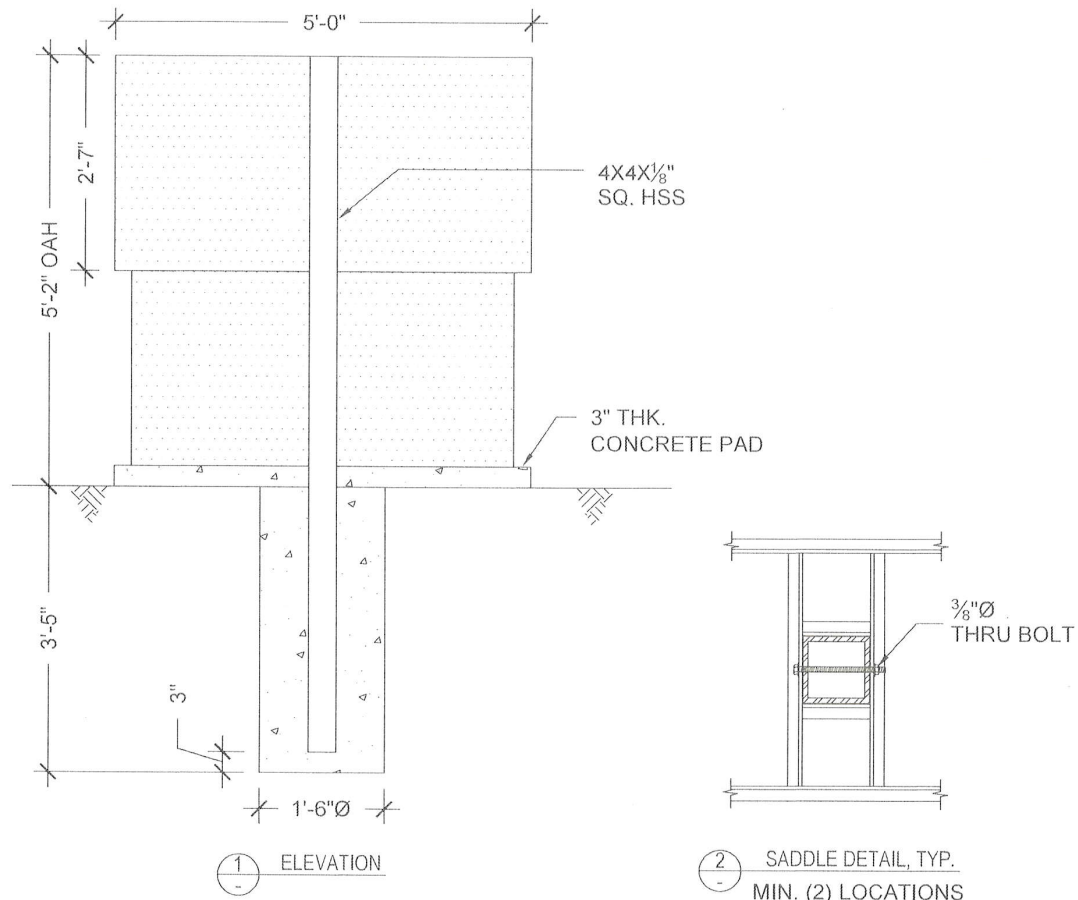
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Page 1 of 2



10815 RANCHO BERNARDO RD., SUITE 260  
SAN DIEGO, CA 92198  
PROJECTMANAGER@SULLAWAYENG.COM  
PHONE: 1-858-312-5150 FAX: 1-858-777-3534

PROJECT: LANGLEY-BANACK & PFEUFFER ATTORNEYS AT LAW, 170 E. SAN ANTONIO STREET, NEW BRAUNFELS, TX DATE: 5/6/2021  
PROJECT #: 30217 ENGINEER: SB  
CLIENT: US SIGNS LAST REVISED:




### GENERAL NOTES

1. DESIGN CODE: IBC 2018
2. DESIGN LOADS: ASCE 7-16
3. WIND VELOCITY 110 MPH EXPOSURE C
4. CONCRETE 2500 PSI MINIMUM
5. SQ. HSS STEEL ASTM A500 GR. B,  $F_y = 46$  KSI MIN.
6. BOLT STEEL ASTM A307, HDG PER ASTM A153, ZP PER ASTM B633
7. PROVIDE MIN. 3" CLEAR COVER ON ALL STEEL EMBEDDED IN CONCRETE WHEN CAST AGAINST SOIL
8. LATERAL SOIL BEARING PER IBC CLASS 4 (150 PSF/FT)
9. PROVIDE PROTECTION AGAINST DISSIMILAR METALS
10. ALL DIMENSIONS TO BE VERIFIED PRIOR TO FABRICATION



CERTIFICATE OF AUTHORITY  
NO. F-14143



	<p>10815 Rancho Bernardo RD., SD, CA 92127  projectmanager@sullawayeng.com  Phone: 858-312-5150 Fax: 858-777-3534</p>																																																																								
<p>PROJECT: LANGLEY-BANACK &amp; PFEUFFER ATTORNEYS AT LAW      DATE: 5/6/21  PROJ. NO.: 30127      ENGINEER: SB  CLIENT: US SIGNS</p>																																																																									
<p>V5.5 <span style="float: right;">units; pounds, feet unless noted otherwise</span></p>																																																																									
<p><b>Applied Wind Loads; from ASCE 7-16</b></p> <hr/> <p> <math>F = q_z \cdot G \cdot C_f \cdot A_f</math>    with <math>q_z = 0.00256 K_z K_{zt} K_d V^2</math>    (29.3.2 &amp; 29.4)  <math>C_f = 1.456</math> (Fig. 29.3-1) <span style="float: right;">max. height= 5.167</span>  <math>K_{zt} = 1.0</math> (26.8.2) (=1.0 unless unusual landscape)  <math>K_z =</math> from table 28.3-1      Exposure= c  <math>K_d = 0.85</math> for signs (table 26.6-1)  <math>V = 110</math> mph  <math>G = 0.85</math> (26.9)      weight= 0.249 kips  <math>s/h = 1.000</math>      <math>M_{DL} = 0.00</math> k-ft  <math>B/s = 0.97</math> </p>																																																																									
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Pole Loads</th> <th>structure component</th> <th>height at section c.g</th> <th><math>K_z</math></th> <th><math>q_z</math></th> <th>pressure <math>q_z \cdot G \cdot C_f</math></th> <th><math>A_f</math></th> <th>shear</th> <th>Wind Moment <math>M_w</math></th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> <td>0.13</td> <td>0.85</td> <td>22.38</td> <td>27.71</td> <td>1.25</td> <td>35</td> <td>4</td> </tr> <tr> <td>2</td> <td></td> <td>1.42</td> <td>0.85</td> <td>22.38</td> <td>27.71</td> <td>10.69</td> <td>296</td> <td>420</td> </tr> <tr> <td>3</td> <td></td> <td>3.88</td> <td>0.85</td> <td>22.38</td> <td>27.71</td> <td>12.92</td> <td>358</td> <td>1387</td> </tr> <tr> <td colspan="6" style="text-align: right;">sums:</td> <td>24.86</td> <td>689</td> <td>1.81 (<math>M_w</math>) k-ft</td> </tr> <tr> <td colspan="6" style="text-align: right;">for s/h=1, add 10% (asce fig. 29.4-1):</td> <td>x 1.10</td> <td></td> <td>1.99</td> </tr> <tr> <td colspan="6" style="text-align: right;"><math>P_u = 0.30</math> kip</td> <td></td> <td>M= 1.99 k-ft</td> <td><math>M = \sqrt{M_{DL}^2 + M_w^2}</math></td> </tr> <tr> <td colspan="6" style="text-align: right;"><math>M_u = \sqrt{(1.2 M_{DL})^2 + 1.0 M_w^2} =</math></td> <td></td> <td>1.99 k-ft</td> <td></td> </tr> </tbody> </table>		Pole Loads	structure component	height at section c.g	$K_z$	$q_z$	pressure $q_z \cdot G \cdot C_f$	$A_f$	shear	Wind Moment $M_w$	1		0.13	0.85	22.38	27.71	1.25	35	4	2		1.42	0.85	22.38	27.71	10.69	296	420	3		3.88	0.85	22.38	27.71	12.92	358	1387	sums:						24.86	689	1.81 ( $M_w$ ) k-ft	for s/h=1, add 10% (asce fig. 29.4-1):						x 1.10		1.99	$P_u = 0.30$ kip							M= 1.99 k-ft	$M = \sqrt{M_{DL}^2 + M_w^2}$	$M_u = \sqrt{(1.2 M_{DL})^2 + 1.0 M_w^2} =$							1.99 k-ft	
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<p><b>Pole Design</b>      section; tube</p> <hr/> <p> <math>M_u \leq \phi M_n</math> with <math>M_n = f_y A_g</math>    <math>f_y = 46</math> ksi    <math>\phi = 0.9</math> </p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>H</th> <th><math>M_u</math> (k-ft)</th> <th>Z req'd. (in)</th> <th>Size (in)</th> <th>t (in)</th> <th>Z</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>at grade</td> <td>1.99</td> <td>0.58</td> <td>2</td> <td>0.25</td> <td>0.96</td> <td>4x4x1/8 Sq. HSS, <math>\phi M_n = 8.23</math> k-ft</td> </tr> </tbody> </table>		H	$M_u$ (k-ft)	Z req'd. (in)	Size (in)	t (in)	Z	Use	at grade	1.99	0.58	2	0.25	0.96	4x4x1/8 Sq. HSS, $\phi M_n = 8.23$ k-ft																																																										
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<p><b>Footing Design</b>      footprint: round</p> <hr/> <p> <math>\omega = 1.3</math>    IBC 1605.3.2    IBC Table 1806.2, sections 1806.3.4, 1807.3.2    <math>S = (1.3 \times 2 \times 150 \text{ psf/ft})</math>  <math>P = 0.54</math> kip    <math>S_1 = S \times d / 3</math>    <math>A = 2.34 \times P / (S_1 \times b)</math>    <math>S = 400</math>  <math>S_1 = 454</math>    <math>d = 0.5 \times A (1 + (1 + 4.36 \times h/A)^{.5})</math>    IBC 1807.3.2.1  <math>A = 1.85</math> </p> <p style="text-align: center;">footing: 1' - 6" dia.  3' - 5" deep</p>																																																																									



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KENNETH D. BRAZLE  
ATTORNEY AT LAW  
170 E. SAN ANTONIO STREET  
NEW BRAUNFELS, TEXAS 78130  
[kbrazle@nblawyers.net](mailto:kbrazle@nblawyers.net)

June 29, 2021

New Braunfels Historic Landmark Commission  
c/o Caleb Gasparek  
550 Landa Street  
New Braunfels, Texas 78130

Re: Application for Certificate of Alteration; 170 E. San Antonio Street, New Braunfels, Texas

Dear Mr. Gasparek:

David G. Pfeuffer and I are the owners of the property located at 170 E. San Antonio Street in downtown New Braunfels. We lease a portion of the property to Langley, Banack & Pfeuffer, for use as law offices. Langley, Banack & Pfeuffer has commissioned a monument sign to place in front of the building facing E. San Antonio Street and has previously submitted a permit application. We understand that Langley, Banack & Pfeuffer is required to submit an application for a Certificate of Alteration which must be approved by the Historic Landmark Commission and that the authorization by the owner(s) of the property is required.

This letter will serve as the authorization by Mr. Pfeuffer and me for Langley, Banack & Pfeuffer to place the monument sign on the property.

If you have any questions, please do not hesitate to contact me.

Very truly yours,



KENNETH D. BRAZLE

KDB/dh

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