AGENDA
KINGSBURG PLANNING COMMISSION
REGULAR MEETING
VIA TELECONFERENCE PURSUANT TO EXECUTIVE ORDER N-29-20 ISSUED BY GOVERNOR GAVIN NEWSOM. THE COUNCIL CHAMBER WILL BE CLOSED TO THE PUBLIC. PUBLIC WILL HAVE THE OPTION TO CALL 1 (559) 207-3003 PASSCODE 5821 TO PROVIDE COMMENTS ON AGENDA ITEMS. WRITTEN COMMENTS WILL CONTINUE TO BE SUBMITTED BY MAIL OR EMAIL TO mecolby@cityofkingsburg-ca.gov THE CUT OFF FOR WRITTEN COMMENTS IS 4/06/2020 at 4:30pm. THEY WILL NOT BE READ OUT LOUD.

Thursday, April 9, 2020 at 6pm

1. Call to order - Reminder for all Commissioners and Staff to speak clearly and loudly into the microphones to ensure that a quality recording is made of tonight’s meeting. We ask that all those attending this meeting please turn off pagers and wireless phones.

   NEXT RESOLUTION 2020-01

2. APPROVAL of the February 13, 2020 regular meeting and the February 13, 2020 joint City Council Planning Commission minutes as mailed or corrected.

3. PUBLIC COMMENTS - Any person may directly address the Commission at this time on any item on the agenda, or on any item that is within the subject matter jurisdiction of the Commission. A maximum of five minutes is allowed for each speaker.

4. PUBLIC NOTICE – TO CONSIDER ADDING ANIMATED SIGNS TO THE CONDITIONAL USE LIST OF THE LIGHT INDUSTRIAL DISTRICT.

   A. Open Public Hearing scheduled for 6:00 P.M.
   B. Presentation by Consulting Planning Director Greg Collins.
   C. Commission Discussion
   D. Open for Public Comment
   E. Close Public Comment
   F. Continued Commission Discussion
   G. Close Public Hearing
   H. Possible Actions:
      1. Adopt/Deny/Modify Resolution
5. PUBLIC NOTICE – TO APPROVE A CONDITIONAL USE PERMIT FOR THE CONSTRUCTION OF AN ANIMATED SIGN IN THE LIGHT INDUSTRIAL DISTRICT, LOCATED AT 2491 SIMPSON STREET, APPLICANT ABE WIEBE.
   A. Open Public Hearing scheduled for 6:00 P.M.
   B. Presentation by Consulting Planning Director Greg Collins.
   C. Commission Discussion
   D. Open for Public Comment
   E. Close Public Comment
   F. Continued Commission Discussion
   G. Close Public Hearing
   H. Possible Actions:
       1. Adopt/Deny/Modify Resolution

6. FUTURE ITEMS

7. ADJOURN
KINGSBURG PLANNING COMMISSION
REGULAR MEETING MINUTES
FEBRUARY 13, 2020

CALL TO ORDER- At 6:01pm the Kingsburg Planning Commission meeting was called to order.

COMMISSIONERS PRESENT- Carlson, Roundtree, Blayney and Chairman Kruper.

COMMISSIONERS ABSENT- Brock.

STAFF PRESENT- Planning Director Greg Colins and City Clerk Abigail Palsgaard.

APPROVAL- Commissioner Carlson made a motion, seconded by Commissioner Roundtree to approve the minutes of the December 12, 2019 meeting as presented. The motion carried by unanimous vote of those Commissioners present.

PUBLIC COMMENTS – None.

PUBLIC HEARING – TO CONSIDER AN AMENDMENT TO THE LIST OF CONDITIONAL USES IN THE LIGHT INDUSTRIAL (LI) ZONE DISTRICT, ADDING LIMITED MATERIAL RECYCLING TO SAID CONDITIONAL USE LIST.

Open Public Hearing at 6:03pm.

Consulting Planning Director Greg Collins stated that the Commission considered this item at the December 12, 2019 meeting. The Commission expressed concern of opening the door to heavy industrial uses. Staff has brought this item back to amend the zoning ordinance to add limited material recycling. There is a second part, Granite Construction is asking to do the same with the same property for one year for the completion of Highway 99 from Kingsburg to Fowler. Mr. Collins discussed where the plant will be located- top north portion that will be about 1200 feet away from the trailer park. The City added access road and dust control as conditions.

Commission Discussion 6:14pm
The Commission said they discussed it at length at the last meeting.

Open for Public Comment 6:15pm
None

Close Public Comment 6:15pm

Continued Commission Discussion 6:15pm
None

Close Public Hearing 6:16pm

Commissioner Blayney made a motion to Adopt Resolution 2020-01, seconded by Commissioner Carlson. The motion carried by unanimous vote of those Commissioners present.
PUBLIC HEARING – CUP-2020-01 TO CONSIDER ISSUANCE OF A CONDITIONAL USE FOR A LIMITED MATERIAL RECYCLING OPERATION ON 27.72 ACRES LOCATED ON THE WEST SIDE OF GOLDEN STATE BOULEVARD AND NORTH OF KAMM AVENUE IN KINGSBURG (APN 393-112-35) APPLICANT DON BERRY CONSTRUCTION.

Open Public Hearing at 6:17pm.

Consulting Planning Director Greg Collins explained this matter is in relation to what was just discussed. He reviewed the conditions of approval.

Commission Discussion 6:23pm
Chairman Kruper asked what would happen if it takes Granite longer than a year to complete their project. The Planning Commission discussed extending the conditional use for an additional year. After the discussion they decided to leave the CUP as written and if there needs to be an extension Granite can come back to request.

Open for Public Comment 6:27pm
Greg and Johnathon, Granite Construction, has a one-year contract with the State. Might take longer due to rain, but they should be able to meet their deadline. They might have to run batch at night, but it is quiet.

Close Public Comment 6:30pm

Continued Commission Discussion 6:30pm
None

Close Public Hearing 6:30pm

 Commissioner Blayney made a motion, seconded by Commissioner Rountree to approve Resolution 2020-01 amending the Kingsburg zoning ordinance to add limited material recycling to the conditional use list of the Light Industrial District (IL) and the associated Mitigated Negative Declaration as presented. The motion carried by unanimous vote of those Commissioners present.

Commissioner Blayney made a motion seconded by Commissioner Rountree to adopt Resolution-2020-02 to approve with conditions conditional use permit 2020-01 for a limited recycling operation located on a 27.72-acre site on the west side of Golden State Highway north of Kamm Avenue in Kingsburg. The motion carried by unanimous vote of those Commissioners present.

FUTURE ITEMS- None.

ADJOURN TO THE JOINT CITY COUNCIL AND PLANNING COMMISSION MEETING WORKSHOP at 6:32pm

Submitted by

Mary Colby
Planning Secretary
The applicant, Wiebe, has requested a pole sign that will be mounted with an animated sign. Section 17.56.040 B.9. does not permit animated signs as described below.

Special Signs – Prohibited. Animated signs, the movement of which is simulated by variations in the intensity, color, pattern, or illumination of the sign, and flashing signs shall be prohibited in all districts, subject to the following exceptions:

a. A sign changing so as to show time and/or temperature
b. An on-premise barber sign

For the Commission to consider an animated sign in the light industrial district it would first need to add animated signs to the conditional use list of the light industrial district. Approval of this action simply adds the use, animated signs, to the conditional use list of the light industrial district. It does not represent an expression of approval. A resolution adding animated signs to the conditional use list of the light industrial district is attached to this staff report.

To approve a conditional use permit, in this case a use permit for an animated sign, the Zoning Ordinance Section 17.68.070 requires that the following findings be made to approve the proposed Conditional Use Permit:

A. *That there are circumstances or conditions applicable to the land, structure or use which makes the granting of a use permit necessary for the preservation and enjoyment of a private property right*

B. *That the proposed location of the conditional use is in accordance with the objectives of the Zoning Ordinance and the purposes of the district in which the site is located.*

C. *That the proposed use will comply with each of the applicable provisions of this ordinance.*

The subject site is zoned light industrial and is located between State Highway 99 and Golden State Boulevard. The applicant wishes to erect a pole sign that has an animated feature at the top of the sign. The animated sign would advertise industrial uses on the subject site as well as potentially other businesses or community events. The city’s sign ordinance does not permit animated signs. Planning staff assumes that the purpose of prohibition of this type of sign is that it might distract persons who are driving by said sign thereby potentially causing an accident. A
secondary reason might be one of aesthetics. The city wanted to preclude animated signs because it might be inconsistent with the Swedish theme of Kingsburg.

Staff’s position on animated signs is that there may some appropriate locations for these types of signs. Given Kingsburg’s Swedish heritage it does not seem appropriate to allow animated signs in the downtown, adjacent commercial districts or in residential neighborhoods, however, locating such a sign in the “industrial corridor” between State Highway 99 and Golden State Boulevard may make sense for the following reasons:

1. The traffic count along State Highway 99 is significant – a good location to advertise a business or community event.
2. The animated sign (mounted on a pole) would not conflict with the aesthetics of this district because it is primarily composed of metals buildings with little architectural significance and other land uses that do not have much aesthetic appeal.
3. The local businesses that advertise on the proposed animated sign may benefit from increased sales, which benefits the community as a whole.

**Recommendation:**

Following a public hearing, take the following actions with respect to the application for Conditional Use Permit CUP 2020-01, recommending to the Planning Commission that it:

1) Determines that the project is Categorically Exempt in accordance with the California Environmental Quality Act (CEQA) because it involves construction of a small structure (pole sign) (Class 3, Guidelines Section 15303).

2) Adopt the attached Resolution 2020-__ as presented or as modified by the Planning Commission adding animated signs to the conditional use permit list of the light industrial (IL) district.

3) Adopt the attached Resolution 2020-__ as presented or as modified by the Planning Commission recommending that it make the findings required by Zoning Ordinance Section 17.68.070 and approve Conditional Use Permit 2020-01 permitting an animated sign in the light industrial district subject to the following conditions:
   1. That the applicant secures a building permit from the Kingsburg Building Department.
   2. That the applicant pay all applicable fees and charges associated with securing a sign permit.
   3. That the animated sign shall conform to all regulations of Kingsburg’s sign ordinance (Zoning Ordinance Chapter 17.56)

**Conclusion:**

Staff recommends that the Kingsburg Planning Commission pass Resolution 2020 - __, adding animated signs to the conditional use list of the light industrial district, and make the finding consistent with Zoning Ordinance Section 17.68.070 and pass Resolution No. 2020 - approving a use permit for an animated design subject to conditions.
Environmental Review:

The requested action is considered categorically exempt under Section 15303 of the Guidelines for the Implementation of the California Environmental Quality Act (CEQA).

ATTACHMENTS:

Proposed Animated Sign

Resolution 2020 - , adding animated signs to the conditional use list of the LI District

Resolution 2020 - , approving Conditional Use Permit 2020-01

FINANCIAL INFORMATION

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<th>FISCAL IMPACT:</th>
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<tr>
<td>1. Is There A Fiscal Impact?</td>
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<tr>
<td>2. Is it Currently Budgeted?</td>
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</tr>
<tr>
<td>3. If Budgeted, Which Line?</td>
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BACKGROUND

Applicant:  Abe Weibe

Location:  The subject property is located on the southwest corner of Stroud Avenue and Simpson Street in Kingsburg, containing approximately 12.6 acres. The subject property is contained in APN 394-043-14. The subject property contains two industrial building with associated off-street parking.
Zoning: The subject site is zoned Industrial.

General Plan: The subject site is designated industrial by the Kingsburg General Plan.

Infrastructure: Sewer, water and storm drainage facilities are available to the subject property. Storm drainage and water will be provided by the city of Kingsburg and sewer will be provided by SKF (Selma-Kingsburg-Fowler Sanitation District).
RESOLUTION NO. 2020-

A RESOLUTION OF THE PLANNING COMMISSION OF THE CITY OF KINGSBURG ADDING ANIMATED SIGNS TO THE CONDITIONAL USE LIST OF THE LIGHT INDUSTRIAL DISTRICT

WHEREAS, the Kingsburg Planning Commission did consider during its regular meeting on April 9, 2020 an application by Abe Wiebe for an animated sign proposed for property located on the southwest corner of Stroud Avenue and Simpson Street in Kingsburg, containing approximately 12.6 acres. The subject property is contained in APN 394-043-14, and

WHEREAS, the subject property is zoned light industrial, and

WHEREAS, according the Kingsburg Sign Ordinance, Section 17.56.040 B.9. states that animated signs are prohibited in any zone in Kingsburg, and

WHEREAS, for the Planning Commission to consider an animated sign, the Commission must first amend the Zoning Ordinance to place this structure on either the permitted or conditional use list of the zone district for which it is proposed, provided for by Chapter 17.60 of the Zoning Ordinance,

NOW THEREFORE, BE IT RESOLVED that the Kingsburg Planning Commission hereby determines that placing animated signs on the conditional use list of the light industrial district provides the Commission with the maximum flexibility of making a decision on animated signs that is in the best interest of the City of Kingsburg.

NOW THEREFORE, BE IT RESOLVED that the Kingsburg Planning Commission hereby adds animated signs to the conditional use list of the light industrial district.

I, Mary Colby, Secretary to the Planning Commission of the City of Kingsburg, do hereby certify that the foregoing resolution was duly passed and adopted at a regular meeting of the Kingsburg Planning Commission held on the 9th day of April 2020, by the following vote:

Ayes: Commissioners:
Noes: Commissioners:
Absent: Commissioners:
Abstain: Commissioners:

______________________________
Mary E. Colby
Planning Commission Secretary City of Kingsburg
RESOLUTION NO. 2020-

A RESOLUTION OF THE PLANNING COMMISSION OF THE CITY OF KINGSBURG APPROVING CONDITIONAL USE PERMIT 2020-01, WIEBE

WHEREAS, Abe Wiebe, the applicant, has requested a conditional use permit for an animated sign to be constructed on the southwest corner of Stroud Avenue and Simpson Street in Kingsburg. The subject property is contained in APN 394-043-14, and

WHEREAS, the subject property is zoned light industrial, and

WHEREAS, the Planning Commission added animated signs to the conditional use list of the light industrial district at their April 9, 2020 meeting, and

WHEREAS, the applicant has submitted a sign plan for an animated sign, and

WHEREAS, the Kingsburg Planning Commission did conduct a duly-noticed public hearing, accepting written and oral testimony both for and against on April 9, 2020; and

WHEREAS, planning staff presented a staff report and environmental finding to the Planning Commission at their April 9, 2020 meeting, and

WHEREAS, The Kingsburg Planning Commission held a public hearing on Conditional Use Permit 2020-01, Wiebe, accepted public testimony both for and against, and reviewed the staff report prepared on this use permit request, and

WHEREAS, the Kingsburg Planning Commission has determined that the project is categorically exempt consistent with the California Environmental Quality Act.

NOW THEREFORE, BE IT RESOLVED that the Kingsburg Planning Commission hereby finds that the proposed conditional use permit, subject to conditions, to be in accordance with Chapter 17.68 of the Zoning Ordinance of the City of Kingsburg; and

BE IT RESOLVED that the Kingsburg Planning Commission hereby approves Conditional Use Permit 2020-01, Wiebe, subject to the following conditions:

1. That the applicant secures a building permit from the Kingsburg Building Department.
2. That the applicant pays all applicable fees and charges associated with securing a sign permit.
3. That the animated sign shall conform to all regulations of Kingsburg’s sign ordinance (Zoning Ordinance Chapter 17.56)

I, Mary Colby, Secretary to the Planning Commission of the City of Kingsburg, do hereby certify that the foregoing resolution was duly passed and adopted at a regular meeting of the Kingsburg Planning Commission held on the 9th day of April 2020, by the following vote:

Ayes: Commissioners:
Noes: Commissioners:
Absent: Commissioners:
Abstain: Commissioners:

Mary E. Colby
Planning Commission Secretary City of Kingsburg
City of Kingsburg
Planning Application
1401 Draper Street, Kingsburg, CA 93631
(559) 897-5328 (559) 897-6558 Fax

Check all that apply. (A separate set of forms is required for each item.)

☐ Administrative Approval  ☐ Annexation  ☐ Change of Zone/Pre-zone
☐ Conditional Use Permit  ☐ General Plan Amendment  ☐ Lot Line Adjustment
☐ Parcel Map/TPM  ☐ Planned Unit Development (PUD)  ☐ Request for Allocation
☐ Sphere of Influence Change  ☐ Subdivision Map/  ☐ Temporary Use
☐ Variance  ☐ Zone Change

ALL OF THE ITEMS LISTED ON THE ATTACHED LIST MUST BE SUBMITTED WITH THE APPLICATION TO BE CONSIDERED COMPLETE.

Applicant A-PLUS SIGNS, INC  e-mail Kaleym@a-plussigns.com
Applicant Address 4270 N Brawley Ave.
City Fresno  State CA  Zip 93722  Day Phone 559-215-0700
Property Owner Abe Weibo  e-mail
Property Owner Address 2491 Simpson St.
City Kingsburg  State CA  Zip 93631  Day Phone 559-897-8106
Agent Representative Kaleym Barzarian  e-mail Kaleym@a-plussigns.com
Agent/Representative Address 4270 N Brawley Ave.
City Fresno  State CA  Zip 93722  Day Phone 559-215-0700

Correspondence to be sent to (choose one) ☑ Applicant  ☐ Property Owner  ☑ Agent/Representative

By (choose one) ☑ U. S. Mail or ☑ E-mail

Description of project (please attach additional sheets, if necessary) Manufacture and install double-sided freeway pylon with digital board & halo-lit lettering

Location of project (Address or nearest cross streets) 2491 Simpson St.

Assessor's Parcel Number Site Area Current Zone L - Light Industrial

APPLICANT* I have reviewed this completed application and the attached material. The information provided is accurate. I understand the city may not approve this request, or might set conditions of approval.

Signed ___________________________ Date 11/08/2020

If applicant is other than the property owner, then a Notarized Agency Authorization form is required to be submitted with the application.
Defense and Indemnification Provisions:

1. Applicant agrees to and shall defend, indemnify, and hold harmless the City of Kingsburg ("City"), and its officials, city council members, planning commission members, officers, employees, representatives, agents, contractors and legal counsel (collectively, "City Parties") from and against all claims, losses, judgments, liabilities, causes of action, expenses and other costs, including litigation and court costs and attorney's fees, and damages of any nature whatsoever made against or incurred by the City Parties including, without limitation, an award of attorney fees and costs to the person, organization or entity or their respective officers, agents, employees, representatives, legal counsel, arising out of, resulting from, or in any way in connection with, the City's act or acts leading up to and including approval of any environmental document and/or granting of any land use entitlements or any other approvals relating to the Project. Applicant's obligation to defend, indemnify and hold harmless specifically includes, without limitation, any suit or challenge by any third party against the City which challenges or seeks to set aside, void or annul the legality or adequacy of any environmental document, including, without limitation, any environmental document prepared by the City or at the direction of the City and approved by the City or the approval of any land use entitlements or other approvals related to the Project.

2. Applicant agrees its obligations to defend, indemnify and hold the City, and the City Parties harmless shall include, without limitation, the cost of preparation of any administrative record by the City, City staff time, copying costs, court costs, the costs of any judgments or awards against the City Parties for damages, losses, litigation costs, or attorney's fees arising out of a suit or challenge contesting the adequacy of any City act or acts leading up to and including any approval of any environmental document, land use entitlements or any other approvals related to the Project, and the costs of any settlement representing damages, litigation costs and attorney's fees to be paid to other parties arising out of a suit or challenge contesting the adequacy of any City act or acts leading up to and including any approval of the environmental document, land use entitlements or any other approvals related to the Project.

3. Applicant agrees the City may, at any time, require the Applicant to reimburse the City for attorney fees, costs that have been, or which the City reasonably anticipates will be, incurred by the City during the course of any suit or challenge. Such attorney fees shall include any and all attorney fees incurred by the City from its legal counsel, Kahn, Soares & Conway, LLP and any special legal counsel retained by the City. Applicant shall reimburse City within thirty (30) days of receipt of an itemized written invoice from City. Failure of the Applicant to timely reimburse the City shall be considered a material breach of the conditions of approval for the Project.

4. Applicant shall comply with and shall require all contractors to comply with all prevailing wage laws, rules and regulations applicable to the Project. Applicant shall be solely responsible for making any and all decisions regarding whether any portion or aspect of the Project, including, without limitation, any form of reimbursement by the City to the Applicant or any contractor, will require the payment of prevailing wages. Further, Applicant will be solely responsible for the payment of any claims, fines,
penalties, reimbursements, payments and the defense of any actions that may be initiated against Applicant or any contractor as a result of failure to pay prevailing wages.

5. The Applicant shall defend, indemnify, and hold harmless the City Parties, from and against any and all claims, damages, losses, judgments, liabilities, causes of action, expenses and other costs, including, without limitation, litigation costs and attorney's fees, arising out of, resulting from, or in any way in connection with any violation or claim of violation of any prevailing wage law, rule or regulation applicable to any portion or aspect of the Project. Applicant's obligation to defend, indemnify and hold the City Parties harmless specifically includes, but is not limited to, any suit or administrative action against the City Parties which claims a violation of any prevailing wage law, rule or regulation applicable to any portion or aspect of the Project.

6. The Applicant agrees its obligations to defend, indemnify and hold the City Parties harmless, shall include without limitation, City staff time, copying costs, court costs, the costs of any judgments or awards against the City Parties for damages, losses, litigation costs, or attorney fees arising out of any violation or claim of violation of any prevailing wage law, rule or regulation applicable to any portion or aspect of the Project and costs of any settlement representing damages, litigation costs and attorney's fees to be paid to other parties arising out of any such proceeding or suit.

7. Applicant agrees the City may, at any time, require the Applicant to reimburse the City for costs that have been, or which the City reasonably anticipates will be, incurred by the City during the course of any suit proceeding regarding violation of any prevailing wage law, rule or regulation. Such attorney fees shall include any and all attorney fees incurred by the City from its legal counsel, Kahn, Soares & Conway, LLP and any special legal counsel retained by the City. Applicant shall reimburse the City within thirty (30) days of receipt of an itemized written invoice from the City. Failure of the Applicant to timely reimburse the City shall be considered a material violation of the conditions of approval of the Project.

Applicant: [Signature]

Title: Project Manager

Company Name: A Plus Signs, Inc.

Project Title: K Corporate Center
### Construction Permit Application (Contractor)

**City of Kingsburg**
Building Department
1401 Draper Street
Kingsburg, CA 93631
(559) 897-5328 Fax (559) 897-6558

**Project Address:** 2491 SIMPSON ST

**Contractor:** A-PLUS SIGNS, INC
- **Contractor License No.:** 787125
- **Mailing Address:** 4270 N BRAWLEY AVE, FRESNO, CA 93722
- **Phone:** 559-275-0700
- **E-mail:** kaleym@a-plussigns.com

**Project Information**
- **Project Address:** 2491 SIMPSON ST
- **Owner Name:** ABE WIEBE
- **City/State/Zip:** KINGSBURG, CA 93631
- **Phone:** 559-275-1990
- **E-mail:** abe@ammpkg.com

**Contact Person:** KALEY BARBERIAN
- **Phone:** 559-275-0700
- **E-mail:** kaleym@a-plussigns.com

**Architect/Engineer**
- **Company Name:**
- **License No.:**
- **Mailing Address:**

**Valuation (cost of project):** $________ Lot # ______ APN# ______ Tract # ______

- [ ] Residential: __ New structure __ Addition __ Remodel __ Fire Damage __ Patio Cover __ Fence
  - __ Electrical __ HVAC ___ tons __ Mechanical __ Plumbing (___ Pool ___ gallons)
  - (___ Re-Roof ___ Tear off ___ Overlay) __ Other _______________________
- [ ] Commercial: __ New building __ Addition/Remodel __ Tenant Imp __ Signs __ Fire Alarms
  - __ Fire Sprinklers __ Electrical __ Mechanical (___ HVAC ___ tons) __ Plumbing __ Other ______________

**Project Description:** Manufacture & install freeway oriented sign with digital board, revo-lit center HO, & footing.

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**State Law requires all cities to report the disposal and recycling of project waste. Please fill out the Construction and Demolition Management Plan completely and turn in all weight tickets in order to qualify for a return on deposits and to avoid additional penalties. The waste hauler you use must be registered with the City and have a Franchise Agreement and Business License.**

**All residences must have a working Carbon Monoxide Detector installed prior to final inspection.**

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**Applicant Statement:** I certify that I have read this application and state that the above information is correct to the best of my knowledge. I agree to comply with all city and county ordinances and state laws relating to building construction, and here authorize representatives of the City to enter upon the above-mentioned property for inspection purposes. I (We) agree to save, indemnify and keep harmless the City of Kingsburg against liabilities, judgments, costs and expenses which may accrue against said City on consequence of the granting of this permit.

[ ] Contractor  [ ] Authorized Agent

**Printed Name:** KALEY BARBERIAN  **Date:** 11/16/2020

**Signature:** [Signature]

---
Client Information

Contact
Abe Weihe
Company
K Corporate Center
Address
2491 Simpson St
Kingsburg, CA 93631
Phone
559-897-7374
Fax

email
abe@designmachinemfg.com

Description
Manufacture and install internally illuminated double-sided freeway pylon with LED message center. Sign to connect to existing customer supplied 120V power at sign location.

Materials
- Steel pole support
- .125" aluminum skin
- Illuminated halo-lit channel letters
- White LED illumination
- Architectural perforated metal panels
- Daktronics Galaxy GS6 15.85mm RGB (8'10" x 25'3" x 11')
- Concrete footing

Channel Letter Returns painted:
- Matthews Super Sparkle Silver
- Match Building Color

If specific colors have not been provided, colors will be matched to the closest equivalents. By signing you confirm that you have reviewed and agree to the color matches.

Each sign must have:
- A dedicated branch circuit
- Three wires: Line, Ground and Neutral
- Wire Size: Min 12 GA THHN Copper Wire
- Note: The gauge of the wire is dictated by the length of the run and amperage as per NEC Article 300
- Power to the sign must be done by a licensed contractor or licensed electrician

ATTENTION: Before signing please review all details of this drawing, including (but not limited to) spelling, colors, and placement. By signing you confirm that you have reviewed and agree to all specifics shown in this drawing.

X

approved

Date
11/7/19

As Is Without Change

With Changes Noted

Freeway LED Pylon
K Corporate Center

4270 N. Brawley Ave.
Fresno, CA 93722
Ph: (559) 275-0700
Fax: (559) 275-7482
design@aplusigns.com

A-PLUS SIGNS

JTA

File
K Corporate Center

KB

Scale NTS

Rep.

This drawing is owned by A-PLUS SIGNS, Inc., and may not be reproduced, displayed, or distributed without express written consent.
GENERAL NOTES
1. DESIGN CODE: CBC 2016
2. DESIGN LOADS: ASCE 7-10
3. WIND VELOCITY 110 MPH EXPOSURE C
4. CONCRETE 2500 PSI MINIMUM
5. ROUND HSS STEEL ASTM A500 GR. B, F_y = 42 KSI MIN.
6. LATERAL SOIL BEARING PER CBC CLASS 5 (100 PSF/FT)
7. PROVIDE MIN. 3" CLEAR COVER ON ALL STEEL EMBEDDED IN CONCRETE WHEN CAST AGAINST SOIL
8. PROVIDE PROTECTION AGAINST DISSIMILAR METALS
9. ALL DIMENSIONS TO BE VERIFIED PRIOR TO FABRICATION
NOTES:
1. THIS DETAIL MAY BE USED FOR PIPE AND SQUARE TUBE SECTIONS.
2. L = 1.5xD1 OR 12" , WHICHEVER IS LARGEST

THICKNESS (t)
FOR D1 THRU 16" DIA., USE t = 1/2" PL.
FOR 16" DIA. < D1 < 30" DIA., USE t = 3/4" PL.
FOR D1 > 30" DIA., USE t = 1" PL.
Applied Wind Loads; from ASCE 7-10

\[ F = q_a G C_t A_t \]

with \( q_a = 0.00256K_d K_v V^2 \) (29.3.2 & 29.4)

\[ \begin{align*}
C_t &= 1.800 \quad \text{(Fig. 29.4-1)} \\
K_d &= 1.0 \quad \text{(26.8.2) (=1.0 unless unusual landscape)} \\
K_v &= \text{from table 28.3-1} \\
V &= 110 \text{ mph} \\
G &= 0.85 \quad \text{(26.9)} \\
\text{weight} &= 4.720 \text{ kips} \\
n/s &= 0.221 \\
B/S &= 2.86
\end{align*} \]

max. height = 40.0

Units: pounds, feet unless noted otherwise

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<th>Pole Loads</th>
<th>structure component</th>
<th>height at section c.g.</th>
<th>( K_s )</th>
<th>( q_a )</th>
<th>( q_a G C_t )</th>
<th>( A_t )</th>
<th>shear</th>
<th>Wind Moment ( M_W )</th>
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<td>1453</td>
<td>32690</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>26.58</td>
<td>0.95</td>
<td>25.09</td>
<td>38.38</td>
<td>24.81</td>
<td>952</td>
<td>25311</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>29.08</td>
<td>0.97</td>
<td>25.63</td>
<td>39.22</td>
<td>12.83</td>
<td>503</td>
<td>14639</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>30.58</td>
<td>0.98</td>
<td>25.9</td>
<td>39.62</td>
<td>8.17</td>
<td>324</td>
<td>9897</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>33.08</td>
<td>1.00</td>
<td>26.31</td>
<td>40.25</td>
<td>96.79</td>
<td>3856</td>
<td>128895</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>37.50</td>
<td>1.0256</td>
<td>27.00</td>
<td>41.32</td>
<td>126.25</td>
<td>5216</td>
<td>326603</td>
<td></td>
</tr>
</tbody>
</table>

\[
\text{sums: 472.05} \quad 17999 \quad 462.45 \quad (M_w) \quad k\text{-ft} \quad \text{arm= 25.7}
\]

\[ P_o = 5.66 \text{ kip} \]

\[
M_o = \text{sqrt}(1.2M_{cr}^2 + 1.0M_{W^2}) = 462.45 \text{ k}-\text{ft}
\]

Pole Design section; pipe

<table>
<thead>
<tr>
<th>( M_s \leq fM_o ) with ( M_s = f_s Z )</th>
<th>( f_s = 42 \quad \text{ksi} )</th>
<th>( \phi = 0.9 )</th>
</tr>
</thead>
<tbody>
<tr>
<td>( H )</td>
<td>( M_s \text{(k-ft)} )</td>
<td>( Z ) req'd (in)</td>
</tr>
<tr>
<td>at grade</td>
<td>462.45</td>
<td>146.81</td>
</tr>
<tr>
<td>splice at 15 ft</td>
<td>225.2</td>
<td>71.5</td>
</tr>
</tbody>
</table>

Footing Design footprint: round

\[
\omega = 1.3 \quad \text{(CBC 1605.3.2)} \quad \text{CBC Table 1806.2, sections 1806.3.4, 1807.3.2} \quad S = (1.3x2x100 \text{ psf/ft})
\]

\[
\begin{align*}
P &= 14.04 \text{ kip} \\
S1 &= 1066 \\
A &= 6.16
\end{align*}
\]

footing: 5' - 0" dia.
16' - 7" deep
**Check Buckling for Round HSS Section**

<table>
<thead>
<tr>
<th>Pole Design-AISC</th>
<th>section; HSS(&gt;12&quot;)</th>
<th>weight=</th>
<th>4.720 kips</th>
</tr>
</thead>
<tbody>
<tr>
<td>F_y=</td>
<td>42 ksi</td>
<td>φ= 0.9</td>
<td></td>
</tr>
<tr>
<td>E=</td>
<td>29,000 ksi</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>H</th>
<th>M_n(k-ft)</th>
<th>Size(in)</th>
<th>t (in)</th>
<th>Z</th>
<th>S</th>
<th>spec wt=</th>
<th>0.289 kcf</th>
</tr>
</thead>
<tbody>
<tr>
<td>at grade</td>
<td>462.45</td>
<td>146.81</td>
<td>24</td>
<td>0.375</td>
<td>209.3</td>
<td>161.9</td>
<td>8.35</td>
</tr>
<tr>
<td>A=</td>
<td>27.83</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>pipe weight</td>
<td>1.930</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>KL/r=</td>
<td>114.9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D/t=</td>
<td>64.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D/t&lt; 0.07</td>
<td>E/E_y=</td>
<td>0.07</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>for D/t&lt; 0.31</td>
<td>E/E_y=</td>
<td>0.31</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Section is</td>
<td>non-compact</td>
<td>0.07 E/E_y=</td>
<td>48</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>P_n=F_cA_n=</th>
<th>533.7 k</th>
<th>P_c=4P_n</th>
<th>480.3 k</th>
</tr>
</thead>
<tbody>
<tr>
<td>M_n=(0.021E/(D/t) + F_y)S=</td>
<td>699.3 k (non-compact)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>M_n=F_cZ=</td>
<td>732.6 k-ft (compact)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>M_n=F_cS=</td>
<td>258.6 k-ft (slender - slender sections NOT USED)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>use M_n=</td>
<td>699.3 k-ft</td>
<td></td>
<td></td>
</tr>
<tr>
<td>M_n=4M_n=</td>
<td>629.3 k-ft</td>
<td></td>
<td></td>
</tr>
<tr>
<td>P/P_n=</td>
<td>0.0166</td>
<td></td>
<td></td>
</tr>
<tr>
<td>P/2P_c=</td>
<td>0.0083</td>
<td>AISC Chap. H1</td>
<td></td>
</tr>
<tr>
<td>P_c/P_c=+8/9 * M/M_n=</td>
<td>0.670</td>
<td></td>
<td></td>
</tr>
<tr>
<td>For P/P_c&lt;0.2, P/2P_c+M/M_n=</td>
<td>0.743</td>
<td>less than 1?</td>
<td>ok</td>
</tr>
<tr>
<td>use 0.743</td>
<td>less than 1?</td>
<td>ok</td>
<td></td>
</tr>
</tbody>
</table>
Check HSS24X.375 for torsion and combined forces (AISC 14 H3)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Calculation</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pnet</td>
<td>P = 41.32 psf</td>
<td>(See Page #3)</td>
</tr>
<tr>
<td>Area</td>
<td>A = 223.040 ft²</td>
<td>(25'-3&quot;)*(8'-10&quot;)</td>
</tr>
<tr>
<td>Wind Load</td>
<td>WL = PA = 9.216 k</td>
<td></td>
</tr>
<tr>
<td>arm</td>
<td>arm = (0.2*B) = 60.72 in</td>
<td>(25'-3&quot;)*0.2</td>
</tr>
<tr>
<td>MWL</td>
<td>MWL = 559.60 k-in</td>
<td></td>
</tr>
<tr>
<td>Torsion</td>
<td>T = MWL = 559.60 k-in</td>
<td></td>
</tr>
</tbody>
</table>

\[
\begin{align*}
T_r &= 559.60 \text{ k-in} \\
F_y &= 42 \text{ ksi} \\
D &= 24 \text{ in}^3
\end{align*}
\]

\[
\begin{align*}
F_{cr} &= 65.713 \text{ ksi} \\
&= 30.479 \text{ ksi} \\
&= 0.6F_y = 25.2 \text{ ksi} \\
\phi = 0.9 \\
\phi T_n &= \phi F_{cr} C = 6950 \text{ k-in} \quad \text{OK}
\end{align*}
\]

\[
\begin{align*}
\frac{M_r}{M_c} + (\frac{T_r}{T_c})^2 &= 0.654 \leq 1 \quad \text{OK}
\end{align*}
\]
Check HSS16X.375 for torsion and combined forces (AISC 14 H3)

- Wind pressure = 41.32 psf (See Page#3)
- Area = 223.04 ft² ((25'3") x (8'10''))
- WL = Area * Pnet = 9.216 k
- arm = (0.2*B) = 60.72 in (0.2*(25'-3''))
- Tr = WL*arm = 559.60 k-in
- Mu = 225.2 k-ft (See Page#3)
- $\phi$Mn = 269 k-ft (See Page#3)
- Fcr = 69.053 ksi (eq'n. H3-2a)
- or Fcr = 56.054 ksi (eq'n. H3-2b)
- but not greater than:
  - 0.6 Fy = 25.2 ksi
- $\phi$ Tc = $\phi$ Fcr C = 2971 k-in OK
- $\frac{Mu}{\phi Mn} + (\frac{Tr}{\phi Tc})^2 = 0.873 < 1$ OK (eq'n. H3-6)
Freeway Pylon with Digital Board