



Docket Item #9

Special Use Permit #2014-0005

5000 Polk Avenue – James K. Polk Elementary School Sign

Application	General Data	
Consideration of a Special Use Permit request for a new school sign	Planning Commission Hearing:	March 4, 2014
	City Council Hearing:	March 15, 2014
Address: 5000 Polk Avenue	Zone:	R-12 and R-20/ Single Family Residential Zones
Applicant: Alexandria City Public Schools	Small Area Plan:	Seminary Hill

Staff Recommendation: APPROVAL subject to compliance with all applicable codes and ordinances and the recommended permit conditions found in Section III of this report.

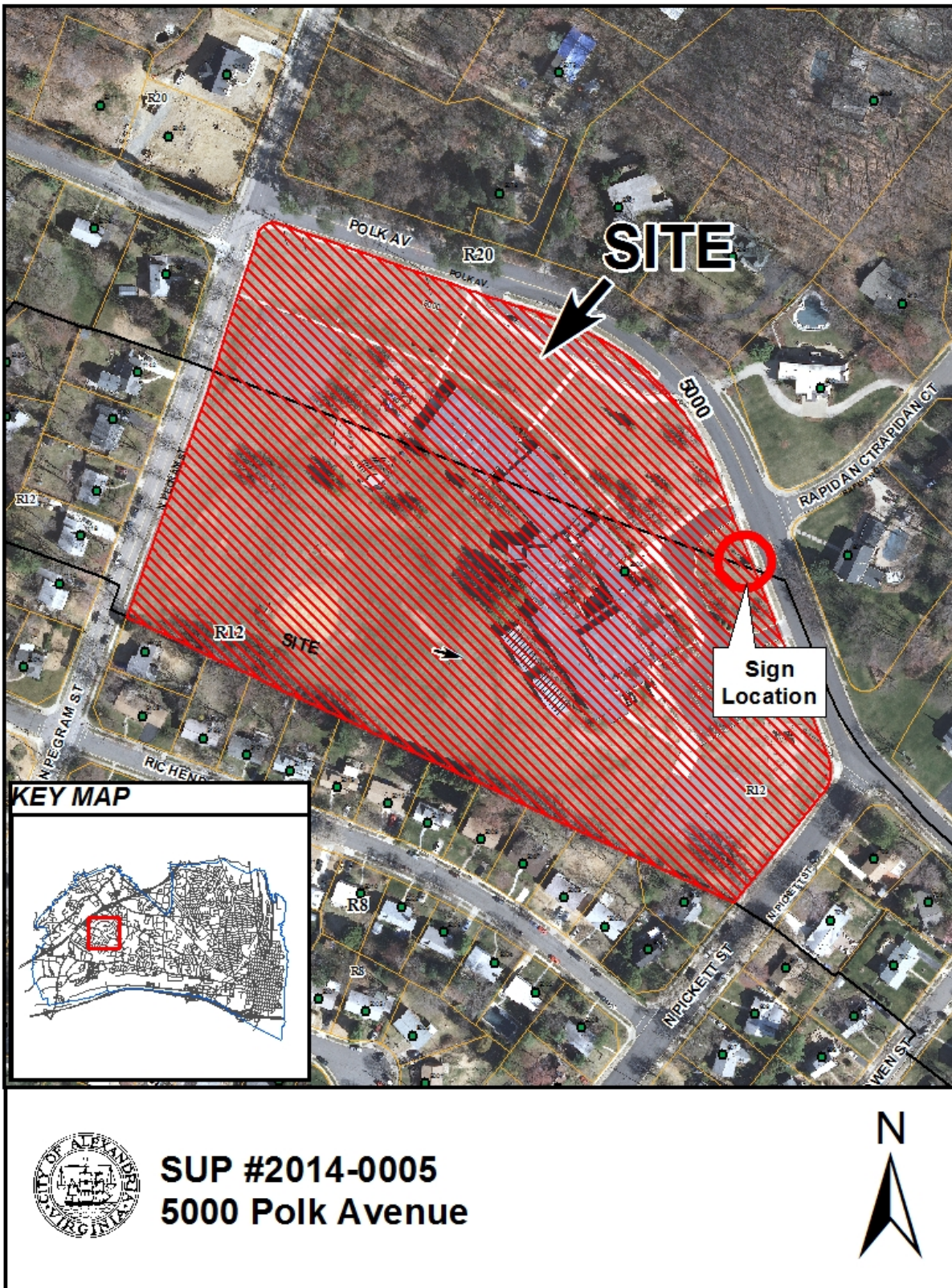
Staff Reviewers: Ann Horowitz, ann.horowitz@alexandriava.gov

PLANNING COMMISSION ACTION, MARCH 4, 2014: On a motion by Vice Chairman Dunn, seconded by Commissioner Lyman, the Planning Commission recommended approval of the request, subject to compliance with all applicable codes, ordinances and staff recommendations. The motion passed on a vote of 6-1, with Commissioner Macek voting against.

Reason: The Planning Commission generally agreed with the staff analysis. Commissioner Macek suggested that the Commission and Staff establish a work session to recommend possible revisions to the Zoning Ordinance regarding signage.

Speakers:

No speakers were present for this request.



I. DISCUSSION

The applicant, Alexandria City Public Schools (ACPS), requests Special Use Permit approval for the replacement of an existing school sign at James K. Polk Elementary School at 5000 Polk Avenue.

SITE DESCRIPTION

James K. Polk Elementary School is located in the northwest portion of the city. The one-story, 89,253 square foot school building occupies one 13.49 acre lot that also contains a surface parking lot, an outdoor amphitheater, and playground/recreational areas. The property, which is split zoned between R-12 and R-20, fronts on Polk Avenue for approximately 544 feet. Vehicles and pedestrians directly access the one story school building from Polk Avenue. Single family homes surround the school.



BACKGROUND

The school was constructed in 1965 with renovations in 1994 for a library, office, music room, and a secured front entrance. In October 2009, the Planning Commission approved DSP#2009-0009 for the application of energy efficient systems, construction of a gymnasium, and the development of a new parking area. The Planning Commission later approved DSP#2010-0009 for modular classroom additions in two phases and for the expansion of the parking lot. The second phase of construction will take place in the summer of 2014.

PROPOSAL

ACPS proposes the construction of a school sign to replace a two-sided, four feet high by eight feet wide or 32 square foot existing sign in its same location in a grassy area between the school's semi-circular driveway and Polk Avenue. The proposed two-sided sign would measure four feet high by eight feet wide for a total area of 32 square feet.

The overall height for the sign structure, inclusive of a sign and pedestal, would measure seven feet six inches. A galvanized steel pedestal would support the sign and measures three feet six inches high and two feet eight inches wide.

The sign would feature the school's name and logo on the top half. The bottom half of the sign features electronic, illuminated, changeable notifications. Messages would not be changed manually by hand as is customary with older style school bulletin board signs, but instead would be changed by computer. Three shrubs that surround the existing sign base would remain in

place under the proposal.

PARKING

Section 8-200(A) of the Zoning Ordinance requires public elementary schools to provide one parking space for every 25 classroom seats. With 690 students, James Polk Elementary School must furnish 28 parking spaces. The school's 48-space parking lot exceeds the Zoning Ordinance requirement with 20 additional spaces.

ZONING/MASTER PLAN DESIGNATION

The school is located on property in the R-12 and R-20/Single Family Residential Zones that allows schools as a permitted use. Additionally, the property occupies land within the Seminary Hill Master Plan area that designates the property for residential or public educational uses.

Section 9-201(A)(8) of the Zoning Ordinance allows schools to display one bulletin board sign along street frontage by Special Use Permit approval. School signs are defined to include bulletin boards in Section 9-102(FF) of the Zoning Ordinance.

Section 9-105(C) limits the hours of sign illumination from 6:30am to 10:30pm.

II. STAFF ANALYSIS

Staff supports ACPS's request for the installation of an electronic, illuminated bulletin board sign at James K. Polk Elementary School. The proposed sign face is equal in size to the current sign face at 32 square feet. The overall size of the proposed sign structure with the pedestal base, however, is 18 inches taller. Existing landscaping will remain in place to screen the brightness of the sign from nearby residences and from Polk Avenue. This proposal illustrates the evolution of the traditional bulletin board school sign by incorporating current technologies for school announcements and messages. Changing sign announcements by means of a remote computer rather than physically modifying messages by hand provides schools with an efficient means of community outreach.

Nonetheless, the illuminated characteristics and technological capabilities of the proposed sign have additional features that could potentially create neighborhood impacts and motorist distractions. The ACPS proposed model provides school administrators and the PTA with options for multi-colored text, images, animation, and videos. Illumination can be set at ten different brightness levels. Time, date, and temperature are also standard features. Staff therefore recommends SUP conditions that limit the use of some of these features to minimize design impacts, neighborhood disturbance, and distractions for Polk Avenue drivers.

Condition #5 prohibits blinking, flashing, animation, video, or the use of transitioning effects for sign messaging. The application of low-level brightness settings is also stipulated in Condition

#5. Further, staff includes Condition #6 limiting the number of messages per day to six and states that each message must appear for at least one hour before being replaced by a new message. Additionally, Condition #6 requires that the bulletin board messages include information only relevant to the school's activities while excluding the sign's time, date, and temperature feature.

Staff recommends alterations to the sign design to support the neighborhood aesthetic. A maximum of three colors should be permitted on the sign face, inclusive of the LED-illuminated text. In addition, the sign should sit on a brick base to conceal the proposed metal pedestal in order to incorporate design elements from the previous sign. Condition #7 states the requirements for sign design.

Staff recommends approval of the Special Use Permit request subject to the conditions included in Section III of this report.

III. RECOMMENDED CONDITIONS

Staff recommends approval subject to compliance with all applicable codes and ordinances and the following conditions:

1. The Special Use Permit shall be granted to the applicant only or to any business or entity in which the applicant has a controlling interest. (P&Z)
2. One electronic, illuminated bulletin board sign may be installed consistent with the proposal shown in SUP application materials to the satisfaction of the Director of Planning & Zoning. (P&Z)
3. Existing trees and shrubs must be maintained or replaced in the landscaped area adjacent to the sign location to the satisfaction of the Director of Planning and Zoning. (P&Z)
4. Consistent with section 9-105(C) of the Zoning Ordinance, the proposed sign shall not be illuminated and no messages shall be displayed between the hours of 10:30pm and 6:30am. (P&Z)
5. No blinking, flashing, animation, video, or the use of transitioning effects may be used at any time on the sign. The level of sign illumination shall be minimal in order to reduce distraction to motorists traveling on Polk Avenue to the satisfaction of the Director of Planning and Zoning. (P&Z)
6. The number of messages is not more than six messages a day and the information displayed cannot be changed more than six times a day. Each message must be displayed for at least one hour before being replaced by a new message. Sign messages shall be limited to relevant James K. Polk Elementary School activities. The posting of the current date, time, and temperature is prohibited. (P&Z)

7. A maximum of three colors shall appear on the sign face which includes the LED-illuminated text. The sign shall be supported on a brick base, at least as wide as the sign it supports, or if other supports are used, these shall be concealed by a brick base to the satisfaction of the Director of Planning and Zoning. (P&Z)
8. Pursuant to Section 9-105(B), all signs, marquees and awnings shall be maintained at all times in a safe structural condition and in a neat and clean condition, and shall be kept free from defective or missing parts or peeling paint. (P&Z)
9. The Director of Planning and Zoning shall review the Special Use Permit one year after approval, and shall docket the matter for consideration by the Planning Commission and City Council if (a) there have been documented violations of the permit conditions which were not corrected immediately, constitute repeat violations or which create a direct and immediate adverse zoning impact on the surrounding community; (b) the Director has received a request from any person to docket the permit for review as the result of a complaint that rises to the level of a violation of the permit conditions, or (c) the Director has determined that there are problems with the operation of the use and that new or revised conditions are needed. (P&Z)

STAFF: Alex Dambach, Division Chief, Department of Planning and Zoning;
Ann Horowitz, Urban Planner.

Staff note: In accordance with Section 11-506(c) of the Zoning Ordinance, construction or operation shall be commenced and diligently and substantially pursued within 18 months of the date granting of a Special Use Permit by City Council or the Special Use Permit shall become void.

CITY DEPARTMENT COMMENTS

Legend: C – code requirement R – recommendation S – suggestion F – finding

Transportation and Environmental Services

F-1 No comments

Code Enforcement

- F-1 The review by Code Administration for special use permit only. Once the applicant has filed for a building permit, code requirements will be based upon the building permit plans. If there are any questions, the applicant may contact Ken Granata, Plan Review Services Division Chief at ken.granata@alexandriava.gov or 703.746.4192.
- C-1 Request for sign install requires a building permit per USBC.
- C-2 In accordance with Section 36-99 of the Code of Virginia, the USBC shall prescribe building regulations to be complied with in the construction and rehabilitation of buildings and structures, and the equipment therein.
- C-3 Construction documents shall show the dimensions, material and required details of construction, including loads, stresses and anchors.
- C-4 Wall signs attached to exterior walls of solid masonry, concrete or stone shall be safely and securely attached by means of metal anchors, bolts or expansion screws of not less than 3/8 inch diameter and shall be embedded at least 5 inches.
- C-5 Alterations to the existing structure and/or installation of equipment requires construction/alteration permits. Six sets of architectural quality drawings shall accompany the permit applications that fully detail the construction/alteration as well as layouts and schematics of the mechanical, electrical, and plumbing systems.

Health

F-1 No comments

Police Department

F-1 No comments



APPLICATION SPECIAL USE PERMIT

SPECIAL USE PERMIT # 2014-0005

PROPERTY LOCATION: James K. Polk Elementary School, 5000 Polk Ave, Alexandria, VA 22304

TAX MAP REFERENCE: 039.01-01-01 **ZONE:** R12

APPLICANT:

Name: Alexandria City Public Schools

Address: 2000 N. Beauregard Street, Alexandria, VA 22311

PROPOSED USE: Exterior sign replacement.

☒ **THE UNDERSIGNED**, hereby applies for a Special Use Permit in accordance with the provisions of Article XI, Section 4-11-500 of the 1992 Zoning Ordinance of the City of Alexandria, Virginia.

☒ **THE UNDERSIGNED**, having obtained permission from the property owner, hereby grants permission to the City of Alexandria staff and Commission Members to visit, inspect, and photograph the building premises, land etc., connected with the application.

☒ **THE UNDERSIGNED**, having obtained permission from the property owner, hereby grants permission to the City of Alexandria to post placard notice on the property for which this application is requested, pursuant to Article IV, Section 4-1404(D)(7) of the 1992 Zoning Ordinance of the City of Alexandria, Virginia.

☒ **THE UNDERSIGNED**, hereby attests that all of the information herein provided and specifically including all surveys, drawings, etc., required to be furnished by the applicant are true, correct and accurate to the best of their knowledge and belief. The applicant is hereby notified that any written materials, drawings or illustrations submitted in support of this application and any specific oral representations made to the Director of Planning and Zoning on this application will be binding on the applicant unless those materials or representations are clearly stated to be non-binding or illustrative of general plans and intentions, subject to substantial revision, pursuant to Article XI, Section 11-207(A)(10), of the 1992 Zoning Ordinance of the City of Alexandria, Virginia.

William Finn
Print Name of Applicant or Agent
ACPS Facilities Office, 4701 Seminary Road
Mailing/Street Address
Alexandria, VA 22304
City and State Zip Code

W. Finn 12/12/13
Signature Date
703.461.4168 703.370.7704
Telephone # Fax #
William.Finn@acps.k12.va.us
Email address

ACTION-PLANNING COMMISSION: _____ **DATE:** _____
ACTION-CITY COUNCIL: _____ **DATE:** _____

PROPERTY OWNER'S AUTHORIZATION

As the property owner of James K. Polk Elementary School / 5000 Polk Street, I hereby
 (Property Address)
 grant the applicant authorization to apply for the Special use as
 (use)
 described in this application.

Name: William FinnPhone: 703.461.4168

Please Print

Address: ACPS Facilities Office, 4701 Seminary Road, Alexandria VA 22304Email: William.Finn@acps.k12.va.usSignature: Date: December 12, 2013

- 1.** Floor Plan and Plot Plan. As a part of this application, the applicant is required to submit a floor plan and plot or site plan with the parking layout of the proposed use. The SUP application checklist lists the requirements of the floor and site plans. The Planning Director may waive requirements for plan submission upon receipt of a written request which adequately justifies a waiver.

☒ Required floor plan and plot/site plan attached.

☐ Requesting a waiver. See attached written request.

- 2.** The applicant is the (check one):

☒ Owner

☐ Contract Purchaser

☐ Lessee or

☐ Other: _____ of the subject property.

State the name, address and percent of ownership of any person or entity owning an interest in the applicant or owner, unless the entity is a corporation or partnership, in which case identify each owner of more than ten percent.

OWNERSHIP AND DISCLOSURE STATEMENT

Use additional sheets if necessary

1. Applicant. State the name, address and percent of ownership of any person or entity owning an interest in the applicant, unless the entity is a corporation or partnership, in which case identify each owner of more than ten percent. The term ownership interest shall include any legal or equitable interest held at the time of the application in the real property which is the subject of the application.

Name	Address	Percent of Ownership
^{1.} N/A - ACPS Owned property		
^{2.} N/A - ACPS Owned property		
^{3.} N/A - ACPS Owned property		

2. Property. State the name, address and percent of ownership of any person or entity owning an interest in the property located at 2000 N. Beauregard Street, Alexandria, VA 22311 (address), unless the entity is a corporation or partnership, in which case identify each owner of more than ten percent. The term ownership interest shall include any legal or equitable interest held at the time of the application in the real property which is the subject of the application.

Name	Address	Percent of Ownership
^{1.} N/A - ACPS Owned property		
^{2.} N/A - ACPS Owned property		
^{3.} N/A - ACPS Owned property	ACPS Facilities Office, 4701 Seminary Road, Alexandria VA 22304	

3. Business or Financial Relationships. Each person or entity indicated above in sections 1 and 2, with an ownership interest in the applicant or in the subject property are required to disclose any business or financial relationship, as defined by [Section 11-350 of the Zoning Ordinance](#), existing at the time of this application, or within the 12-month period prior to the submission of this application with any member of the Alexandria City Council, Planning Commission, Board of Zoning Appeals or either Boards of Architectural Review. **All fields must be filled out completely. Do not leave blank. (If there are no relationships please indicate each person or entity and "None" in the corresponding fields).**

For a list of current council, commission and board members, as well as the definition of business and financial relationship, [click here](#).

Name of person or entity	Relationship as defined by Section 11-350 of the Zoning Ordinance	Member of the Approving Body (i.e. City Council, Planning Commission, etc.)
^{1.} N/A - ACPS Owned property		
^{2.} N/A - ACPS Owned property		
^{3.} N/A - ACPS Owned property		

NOTE: Business or financial relationships of the type described in Sec. 11-350 that arise after the filing of this application and before each public hearing must be disclosed prior to the public hearings.

As the applicant or the applicant's authorized agent, I hereby attest to the best of my ability that the information provided above is true and correct.

12/12/13

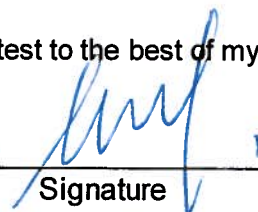
Date

William Finn

Printed Name

A. ALEXANDER

Signature



If property owner or applicant is being represented by an authorized agent such as an attorney, realtor, or other person for which there is some form of compensation, does this agent or the business in which the agent is employed have a business license to operate in the City of Alexandria, Virginia?

☐ **Yes.** Provide proof of current City business license

☐ **No.** The agent shall obtain a business license prior to filing application, if required by the City Code.

NARRATIVE DESCRIPTION

3. The applicant shall describe below the nature of the request **in detail** so that the Planning Commission and City Council can understand the nature of the operation and the use. The description should fully discuss the nature of the activity. (Attach additional sheets if necessary.)

The James K. Polk Elementary School PTA has designed and funded a project to
replace the existing monument sign on Polk Avenue with a new, illuminated sign (ref.
attached Site Plan for location information). The existing sign structure will be
demolished and the new sign will be installed in the same location. As illustrated on the
attached exhibit sheet TKST-48x24-20VC36-400, the new sign is double sided and has
an overall face dimension of 8'-0" wide by 4'-0" high. The sign is mounted on a
galvanized steel pedestal and the overall sign height is 7'-6" above grade.

USE CHARACTERISTICS

4. The proposed special use permit request is for (check one):

- ☐ a new use requiring a special use permit,
☐ an expansion or change to an existing use without a special use permit,
☐ an expansion or change to an existing use with a special use permit,
☒ other. Please describe: Replacement of free standing site sign.

5. Please describe the capacity of the proposed use:

A. How many patrons, clients, pupils and other such users do you expect?
Specify time period (i.e., day, hour, or shift).

N/A

B. How many employees, staff and other personnel do you expect?
Specify time period (i.e., day, hour, or shift).

N/A

6. Please describe the proposed hours and days of operation of the proposed use:

Day:
N/A

Hours:
N/A

7. Please describe any potential noise emanating from the proposed use.

A. Describe the noise levels anticipated from all mechanical equipment and patrons.

None

B. How will the noise be controlled?

N/A

8. Describe any potential odors emanating from the proposed use and plans to control them:

None.

9. Please provide information regarding trash and litter generated by the use.

- A. What type of trash and garbage will be generated by the use? (i.e. office paper, food wrappers)

None.

- B. How much trash and garbage will be generated by the use? (i.e. # of bags or pounds per day or per week)

None.

- C. How often will trash be collected?

N/A

- D. How will you prevent littering on the property, streets and nearby properties?

N/A. The changing of the sign has no impact on the current building management systems.

10. Will any hazardous materials, as defined by the state or federal government, be handled, stored, or generated on the property?

[] Yes.

[✓] No.

If yes, provide the name, monthly quantity, and specific disposal method below:

11. Will any organic compounds, for example paint, ink, lacquer thinner, or cleaning or degreasing solvent, be handled, stored, or generated on the property?

☐ Yes. ☒ No.

If yes, provide the name, monthly quantity, and specific disposal method below:

12. What methods are proposed to ensure the safety of nearby residents, employees and patrons?
N/A. The changing of the sign has no impact on the current building operational or safety procedures.

ALCOHOL SALES

13. A. Will the proposed use include the sale of beer, wine, or mixed drinks?

☐ Yes ☒ No

If yes, describe existing (if applicable) and proposed alcohol sales below, including if the ABC license will include on-premises and/or off-premises sales.

PARKING AND ACCESS REQUIREMENTS

14. A. How many parking spaces of each type are provided for the proposed use:

N/A Standard spaces
N/A Compact spaces
N/A Handicapped accessible spaces.
N/A Other.

Planning and Zoning Staff Only

Required number of spaces for use per Zoning Ordinance Section 8-200A _____

Does the application meet the requirement?

☐ Yes ☐ No

- B. Where is required parking located? (check one)

☐ on-site

☐ off-site

If the required parking will be located off-site, where will it be located?

PLEASE NOTE: Pursuant to Section 8-200 (C) of the Zoning Ordinance, commercial and industrial uses may provide off-site parking within 500 feet of the proposed use, provided that the off-site parking is located on land zoned for commercial or industrial uses. All other uses must provide parking on-site, except that off-street parking may be provided within 300 feet of the use with a special use permit.

- C. If a reduction in the required parking is requested, pursuant to Section 8-100 (A) (4) or (5) of the Zoning Ordinance, complete the PARKING REDUCTION SUPPLEMENTAL APPLICATION.

☐ Parking reduction requested; see attached supplemental form

15. Please provide information regarding loading and unloading facilities for the use:

- A. How many loading spaces are available for the use? N/A

Planning and Zoning Staff Only

Required number of loading spaces for use per Zoning Ordinance Section 8-200 _____

Does the application meet the requirement?

☐ Yes ☐ No

- B. Where are off-street loading facilities located? _____
Existing off-street loading condition remains unchanged. _____
- C. During what hours of the day do you expect loading/unloading operations to occur?
N/A _____
- D. How frequently are loading/unloading operations expected to occur, per day or per week, as appropriate?
N/A _____
16. Is street access to the subject property adequate or are any street improvements, such as a new turning lane, necessary to minimize impacts on traffic flow?
Existing access is not impacted by the scope of this project. _____

SITE CHARACTERISTICS

17. Will the proposed uses be located in an existing building? ☒ Yes ☐ No
Do you propose to construct an addition to the building? ☐ Yes ☒ No
How large will the addition be? _____ square feet.
18. What will the total area occupied by the proposed use be?
N/A _____ sq. ft. (existing) + _____ sq. ft. (addition if any) = _____ sq. ft. (total)
19. The proposed use is located in: (check one)
☐ a stand alone building
☐ a house located in a residential zone
☐ a warehouse
☐ a shopping center. Please provide name of the center: _____
☐ an office building. Please provide name of the building: _____
☒ other. Please describe: Exterior site sign. _____

End of Application



APPLICATION - SUPPLEMENTAL

FREESTANDING SIGN

Supplemental information to be filed by applicants requesting special use permit approval of an additional freestanding sign. A plat showing the location of all existing and proposed signs and elevations of all proposed signs must be submitted.

1. How many freestanding signs exist on the property?

One existing that will be demolished and replaced with a new illuminated sign.

2. Please provide the size of each existing freestanding sign(s), including, length, width and square footage of the sign face, and the height of the sign above grade.

Size: 6 feet long, 3 feet high, 8 inches deep.

Sq. footage of sign face: 18 feet

height of sign above grade: ~~2 feet~~ approximately 3 feet

* corrected on attached 2/10 email - 4' x 8' x 8" sign face, overall sign

3. Provide the length of frontage for every street that the subject property touches.

The school property fronts Polk Avenue for approximately 544 feet.

with brick
base =
6' x 9'4" x 2'8"

4. How many businesses are located on the property?

None. The site is the James K. Polk Elementary School

5. How many signs are proposed?

One new site sign to replace the existing site sign.

6. Provide the size of each proposed freestanding sign(s), including, length, width and square footage of the sign face, and the height of the sign above grade.

As illustrated on the attached exhibit sheet TKST-48x24-20VC36-400, the new sign is double sided and has an overall face dimension of 8'-0" wide by 4'-0" high. The sign is mounted on a galvanized steel pedestal and the overall sign height is 7'-6" above grade.

7. How will the sign(s) be illuminated?

LED lighting.

Ann Horowitz

From: Alex Alexander <alex.alexander@acps.k12.va.us>
Sent: Monday, February 10, 2014 12:00 PM
To: Ann Horowitz
Subject: Re: SUP follow up
Attachments: IMG_3751.JPG

Ann,
Please find attached existing sign picture and dimensions are below; 1. Sign dimensions - length=8'-0, height=4'-0, depth=8"
2. Brick pedestal - length=9'-4, height=2'-0, depth=2'-8.

Best Regards,
Alex.

----- Original Message -----

From: "Ann Horowitz" <ann.horowitz@alexandriava.gov>
To: "Alex Alexander (alex.alexander@acps.k12.va.us)" <alex.alexander@acps.k12.va.us>
Sent: Monday, February 10, 2014 9:48:56 AM
Subject: SUP follow up

Hi Alex,

Could you call me at 703-746-3821 at some point today? I have a few more follow up questions to run by you as I finalize the staff report.

Thanks.

Ann

Ann Horowitz
Urban Planner, City of Alexandria
Department of Planning and Zoning
City Hall
301 King Street, Room 2100
Alexandria, VA 22314
703-746-3821 (direct line)
703-838-6393 (fax)

JUL 2014-2005



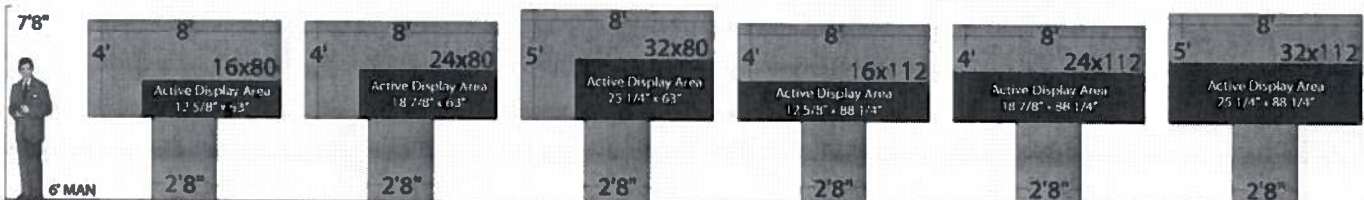
TEKSTAR DATA SHEET



TekStar LED Specifications																																						
	Monochrome (256 shades)	Color (16 million colors)																																				
LED Specifications																																						
LED Type	Oval																																					
Horizontal Viewing Cone	140 degrees																																					
Vertical Viewing Cone	70 degrees																																					
LED Brightness	3000 mcd																																					
# of Red LEDs per pixel	2	1																																				
# of Green LEDs per pixel	—	1																																				
# of Blue LEDs per pixel	—	1																																				
LED Life	100,000 hours																																					
Display Specifications																																						
Actual Pixel Pitch	.787"																																					
	20mm																																					
Available Matrices	16x80, 16x112, 24x80, 24x112, 32x80, 32x112																																					
Module Height	6.3" or 12.6"	6.3" or 12.6"																																				
Module Width	12.6"	12.6"																																				
Module Matrix Height	8 and/or 16 pixel depending on matrix height																																					
Module Matrix Width	16 pixel																																					
Max. Line of Text	2 lines for 16 pixel high, 3 lines for 24 pixel high, 4 lines for 32 pixel high																																					
Active Display Area	16x80 24x80 32x80 16x112 24x112 32x112	12 5/8" x 63" 18 7/8" x 63" 25 1/4" x 63" 12 5/8" x 88 1/4" 18 7/8" x 88 1/4" 25 1/4" x 88 1/4"																																				
Character Height	<table><tr><th colspan="2">TekStar 16 High LED Text Capabilities</th><th colspan="2">TekStar 24 High LED Text Capabilities</th><th colspan="2">TekStar 32 High LED Text Capabilities</th></tr><tr><th>Rows</th><th>Character Size</th><th>Rows</th><th>Character Size</th><th>Rows</th><th>Character Size</th></tr><tr><td>1</td><td>10.2"</td><td>1</td><td>16.5"</td><td>1</td><td>22.8"</td></tr><tr><td>1</td><td>9.4"</td><td>1</td><td>9.4" + 5.5"</td><td>2</td><td>9.4"</td></tr><tr><td>1</td><td>7.1"</td><td>2</td><td>7.1"</td><td>2</td><td>7.1" + 5.5"</td></tr><tr><td>2</td><td>5.5"</td><td>3</td><td>5.5"</td><td>4</td><td>5.5"</td></tr></table>		TekStar 16 High LED Text Capabilities		TekStar 24 High LED Text Capabilities		TekStar 32 High LED Text Capabilities		Rows	Character Size	Rows	Character Size	Rows	Character Size	1	10.2"	1	16.5"	1	22.8"	1	9.4"	1	9.4" + 5.5"	2	9.4"	1	7.1"	2	7.1"	2	7.1" + 5.5"	2	5.5"	3	5.5"	4	5.5"
TekStar 16 High LED Text Capabilities		TekStar 24 High LED Text Capabilities		TekStar 32 High LED Text Capabilities																																		
Rows	Character Size	Rows	Character Size	Rows	Character Size																																	
1	10.2"	1	16.5"	1	22.8"																																	
1	9.4"	1	9.4" + 5.5"	2	9.4"																																	
1	7.1"	2	7.1"	2	7.1" + 5.5"																																	
2	5.5"	3	5.5"	4	5.5"																																	
Programming Option	Network Cable, Network via Fiber Optic Cable Laptop Connection, Data Cable/USB, Short Range Wireless, Long Range Wireless, Customer Provided Wireless Network																																					
Scheduled Events	Date and time scheduling																																					

JUP2014-0005

TekStar LED Specifications	
	MonoChrome Color
CPU Specifications	
Preprogrammed Graphics	In Software and on Website
Font Types	Pixel and Windows fonts
Transition Effects	12
Time Display Function	YES
Temp Display Function	YES
Temp Sensor Included	YES
Password Protection	YES
Brightness Sensor	YES
Brightness Settings	10 levels of Brightness
Warranty	Lifetime Warranty against breakage of sign face caused by vandalism, excluding gunshots. Lifetime Warranty against defects in workmanship and materials. Three year parts Warranty on LED components
Cabinet Temperature Control	Fans
Side Control	Parent/Child
Image Capabilities	BMP, JPG, PNG, TIF
Video Capabilities	ASF, AVI, GIF, MOV, Mp4, MPG, RMVB, SWF, VOB, WMV
Electrical Specifications	
Power Input	120v
Power Supply Max. Wattage	320w
Power Supply Manufacturer	Meanwell
Certification UL	UL Listed
Power Supply Protection	Power supply has short circuit/Over load/Over voltage/Over temperature protection built in Active AC surge current limiting.



Available in the following cabinet sizes except where noted:

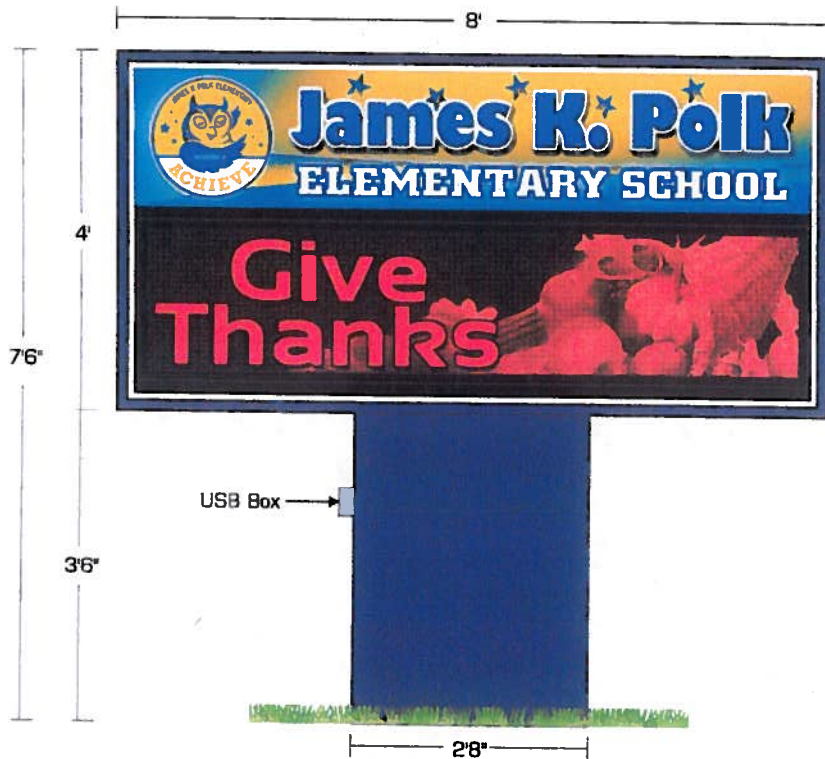
2'6"x8 3x6* 3x8 3x10 3'9"x8' 4x6* 4x8 4x10 4x12 5x8† 5x10† 5x12† 6x8† 6x10† 6x12†

*Not available in the 16x112 or 24x112 matrix sizes.

†Available in the 32x80 or 32x112 matrix sizes.

Stewart

20
AMERICA'S PREMIER SIGN COMPANY



TekStar-Red
20mm 24x112
CABINET SIZE: 4x8



ENTIRE FACE IS PHOTO REAL
Paint Color: Blue
Text Color: Photo Real
Draft Color: White

Approved as shown. x date 1. 2. 3.
Approved with listed changes x date

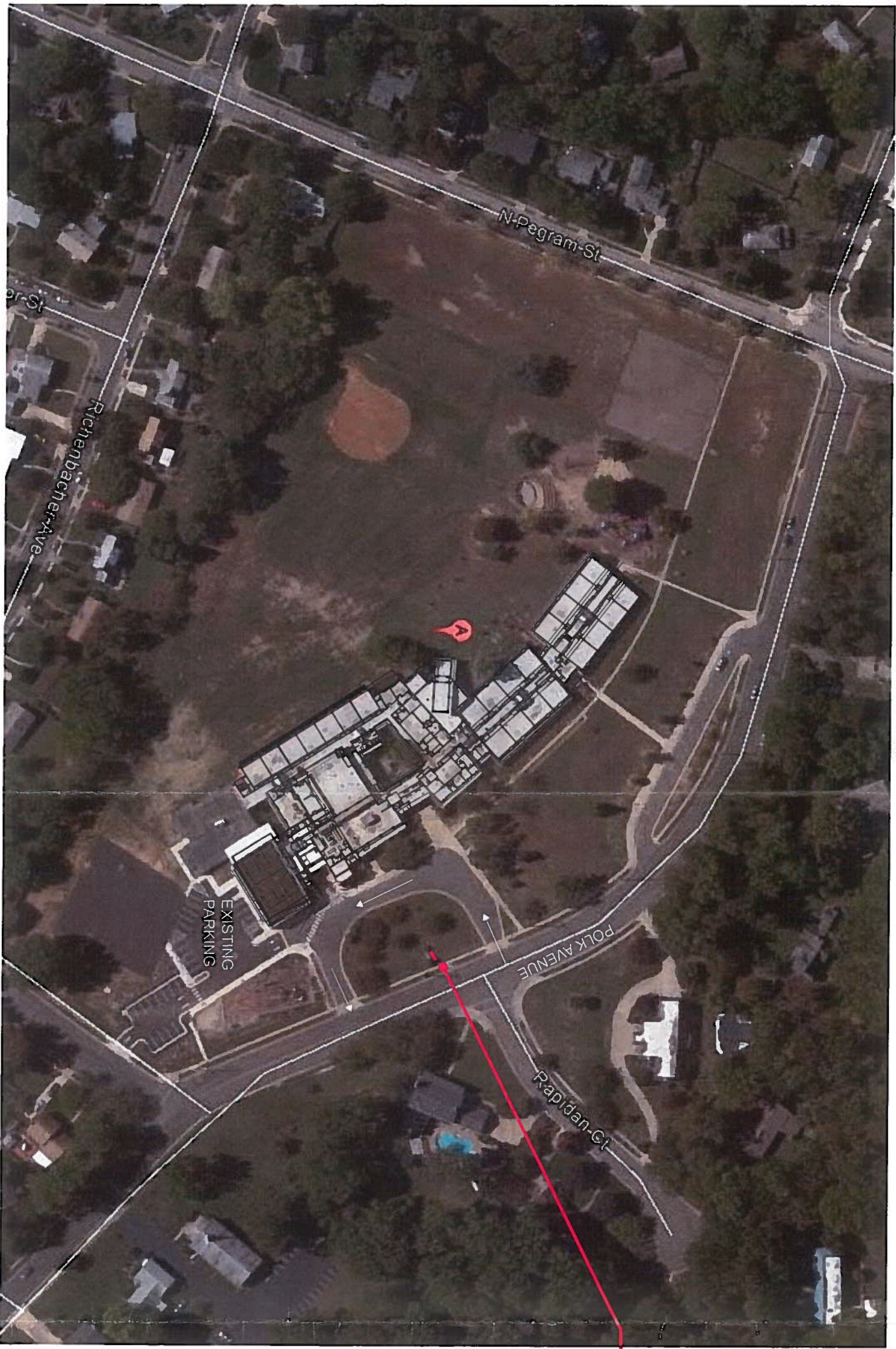


stewart signs
America's Premier Sign Company

PH. 1-800-237-3928 FAX 1-800-485-4280

DUE TO THE PHYSICAL LIMITATIONS OF THE PAPER AND INK-BASED PRINTING PROCESS THIS CUSTOM ARTWORK IS NOT INTENDED TO PROVIDE AN EXACT MATCH BETWEEN INK, VINYL, PAINT, OR LED COLOR. ARTIST'S REFINITION OF BRICKWORK, MASONRY AND LANDSCAPING IS NOT INCLUDED IN THE PROPOSAL. ANY MEASUREMENTS SHOWN ARE APPROXIMATIONS. DIMENSIONS OF FINAL PRODUCT MAY VARY. LED IMAGES SHOWN ARE SIMULATED TO REPLICATE RESOLUTION FROM OPTIMUM VIEWING DISTANCE.
5/8"=1' Sk. # 7655766 CUST. # 1726054 11.11.13 CA/JMYax SOLD
ORIGINAL DESIGN DO NOT DUPLICATE

SUR 2014-2005



SIGN LOCATION

NOTE: THE EXISTING SIGN MONUMENT
WILL BE DEMOLISHED AND REPLACED
WITH A NEW SIGN THAT HAS BEEN
DESIGNED AND FUNDED BY THE
SCHOOL'S PTA.

SEE DRAWING TKST-48X24-2-VC36-400
FOR DETAILED SIGN INFORMATION.

SITE PLAN

SCALE: 1/64" = 1'-0"



PTA PROJECT: EXTERIOR SIGN REPLACEMENT

JAMES K. POLK ELEMENTARY SCHOOL
5000 POLK AVENUE, ALEXANDRIA, VA 22304

2472014-0005

SPECIFICATIONS

FRAME AND LAMP

- 1. EXTRUDED ALUMINUM CABINET
- 2. DRAIN HOLE
- 3. 24 GAUGE ASQ GALVANIZED RACEWAY
- 4. 2" x 3" x 1/8" ALUMINUM ANGLE, QTY 2
- 5. BALLAST ELECTRONIC - SIGMA LTD. CE PROFILE 298, QTY 1
- 6. LAMP8 - F96T12 CWND QTY 2
- 7. 3/8" SELF TAPPING BOLT
- 8. SOCKETS - KULKA DOUBLE CONTACT SNAP IN LAMPHOUSES 5620 & 5630
- 9. ELECTRICAL OUT PROVISION, REMOVABLE BLANK ELECTRICAL COVER FOR CONNECTION OF POWER.
- 10. 4" x 4" x 1/8" STEEL TUBE, A500 GRADE Q, WELDED AT JOINTS
- 11. 6" x 12" x 5/8" STEEL BASE PLATE, ASTM A36, QTY 2 (WELDED TO LEGS AT FACTORY)
- 12. 3/4" x 30" HOT DIPPED GALVANIZED J-BOLTS, QTY 4
- 13. ELECTRICAL CONDUIT
- 14. #5 REBAR GRADE 60 OR BETTER, TIE EACH JOINT
- 15. DATA CONNECTION (IF APPLICABLE)
- 16. 2" x 4" x 3/16" STEEL TUBE, A500 GRADE B
- 17. DOWNING, 24 GAUGE GALVANNEALED STEEL
- 18. 1" x 1/2" x 1/8" STEEL ANGLE
- 19. DATA CABLE (IF APPLICABLE)
- 20. 4" FAN AND VENT
- 21. USB BOX

FACE DETAIL

F1. HEADER PANEL SECTION, 1/8" THICKNO FORMED UV RESISTANT MACROLON SL POLYCARBONATE. DECORATION PER J.M. STEWART ARTWORK DECORATED WITH 3M HIGH PERFORMANCE TRANSLUCENT VINYL

F2. TEKSTAR 20MM LED 24x112. MOUNTED INSIDE SIGNLESS, SINGLE PECE FACE OF MACROLON SL POLYCARBONATE.

NOTES

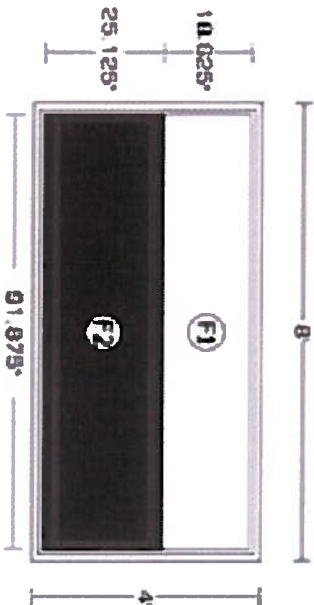
- DESIGN FACTOR MEETS OR EXCEEDS 120 MPH WIND LOAD
- GRAFFITI RESISTANT EXTERIOR FINISH - DUPONT POWDER COAT BAKED AT 400 DEGREES
- 66 LAMPS INCLUDED
- U.L. LISTED, E 90724
- CABINET BOLTED TO POWDER COATED STEEL SUPPORT SYSTEM
- ELECTRICAL REFER TO OUTLINE SHEET
- 3 000 PSI CONCRETE - LESS THAN 2.25 CUBIC YARDS
- DESIGNED FOR A LEG HEIGHT OF 3'-1" TO 4" WITH DOWNING

ELECTRIC: 4X8 ID CABINET AND 20mm 24x112 LED

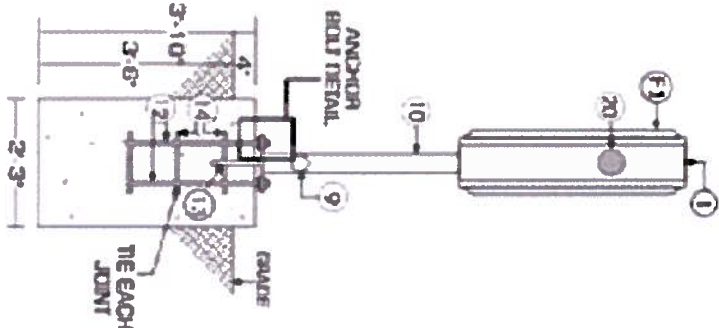
RECOMMEND 15 AMP BREAKER IF TOTAL AMPS IS EQUAL TO OR LESS THAN 12.5 AMPS. RECOMMEND 20 AMP BREAKER IF TOTAL AMPS IS GREATER THAN 12.5 AMPS.

10 CABINET: 3.7 AMPS COLOR LED CABINET: 11.7 AMPS TOTAL AMPS: 15.4

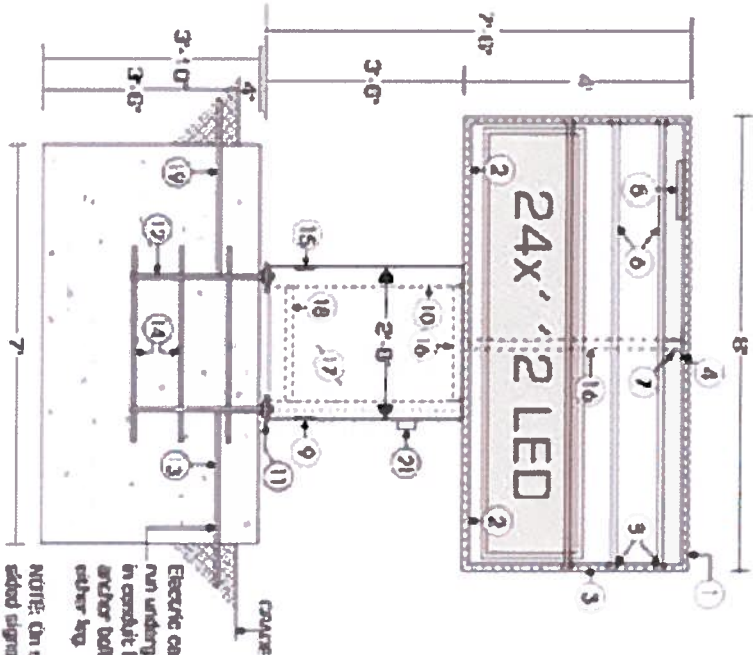
10 CABINET: 3.7 AMPS RED LED CABINET: 4.5 AMPS TOTAL AMPS: 8.2



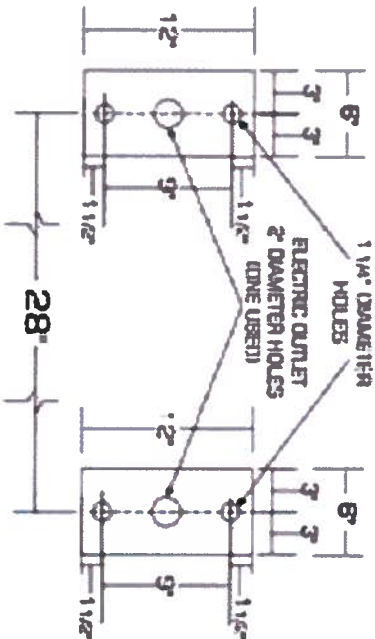
FACE DETAIL
Scale 1/4" = 1'



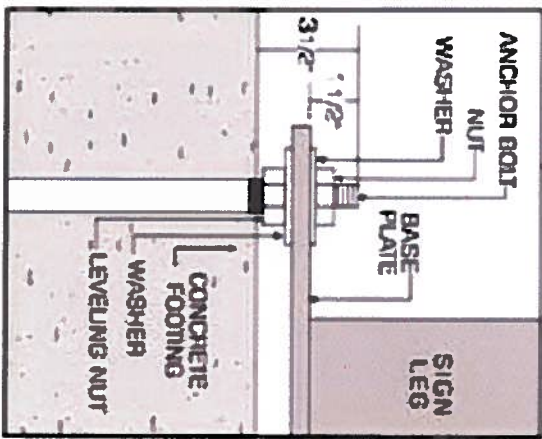
CROSS SECTION
Scale: 1/4" = 1'



FRAME & LAMP DETAIL
Scale 1/4" = 1'



BASE PLATE DETAIL
Scale 3/4" = 1'



ANCHOR BOLT DETAIL

J.M.S. TEMPLATE MUST BE USED TO SET ANCHOR BOLTS INTO CONCRETE

Sign Model: **TekStar 48** 20mm LED 24x112 with Downing

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