

Bastrop Zoning Board of Adjustments Agenda

Bastrop City Hall City Council Chambers

1311 Chestnut Street

Bastrop, TX 78602

(512) 332-8800



February 20, 2024

Agenda - Zoning Board of Adjustments at 6:00 PM

Bastrop Zoning Board of Adjustments meetings are available to all persons regardless of disability. If you require special assistance, please contact the City Secretary at (512) 332-8800 or write 1311 Chestnut Street, 78602, or by calling through a T.D.D. (Telecommunication Device for the Deaf) to Relay Texas at 1-800-735-2989 at least 48 hours in advance of the meeting.

1. CALL TO ORDER

2. CITIZEN COMMENTS

At this time, three (3) minute comments will be taken from the audience on any topic. Anyone in attendance wishing to address the Board/Commission must complete a citizen comment form and give the completed form to the Board/Commission Secretary prior to the start of the Board/Commission meeting. In accordance with the Texas Open Meetings Act, if a citizen discusses any item not on the agenda, the Board/Commission cannot discuss issues raised or make any decision at this time. Instead, the Board/Commission is limited to making a statement of specific factual information or a recitation of existing policy in response to the inquiry. Issues may be referred to City Manager for research and possible future action.

It is not the intention of the City of Bastrop to provide a public forum for the embarrassment or demeaning of any individual or group. Neither is it the intention of the Board/Commission to allow a member of the public to slur the performance, honesty and/or integrity of the Board/Commission, as a body, or any member or members of the Board/Commission individually or collectively, or members of the City's staff. Accordingly, profane, insulting or threatening language directed toward the Board/Commission and/or any person in the Board/Commission's presence will not be tolerated.

3. ITEMS FOR INDIVIDUAL CONSIDERATION

3A. Consider action to nominate and point a Vice Chair.

3B. Consider action to approve meeting minutes from the October 26, 2022 Zoning Board of Adjustment Meeting.

Submitted by: Alondra Macias, Planner I

3C. Public Hearing and consider action on variances from the Bastrop Building Block (B³) Code, Chapter 8 – Signs, Article 8.3 (k) Monument Signs for the number of signs, sign height, base height, and internal illumination, for the Valverde subdivision, located at 242 Fm 969, within the City Limits of the City of Bastrop, Texas

Presented by: Kennedy Higgins, Senior Planner, Development Services Department

3D. Public Hearing and consider action on variances from the Bastrop Building Block (B³) Code, Chapter 8 – Signs, Article 8.3 (k) Monument Signs for the sign height, base height, and internal illumination, for the Bastrop Highschool, located at 1614 Chamber Street, within the City Limits of Bastrop, Texas.

Presented by: Kennedy Higgins, Senior Planner, Development Services Department

3E. Public Hearing and consider action on variances from the Bastrop Building Block (B³) Code, Chapter 8 – Signs, Article 8.3 (k) Monument Signs for the internal illumination, for the Mina Elementary, located at 1203 Hill St, within the City Limits of the City of Bastrop, Texas.

Presented by: Kennedy Higgins, Senior Planner, Development Services Department

4. UPDATES

4A. Items or topics requested by Historic Landmark Commission for future agendas.

5. ADJOURNMENT

I, the undersigned authority, do hereby certify that this Notice of Meeting as posted in accordance with the regulations of the Texas Open Meetings Act on the bulletin board located at the entrance to the City of Bastrop City Hall, a place of convenient and readily accessible to the general public, as well as to the City's website, www.cityofbastrop.org and said Notice was posted on the following date and time: February 15, 2024 at 5:30 p.m. and remained posted for at least two hours after said meeting was convened.

/s/ Nicole Peterson
Nicole Peterson, Development Coordinator



STAFF REPORT

MEETING DATE: February 20, 2024

TITLE:

Consider action to approve meeting minutes from the October 26, 2022 Zoning Board of Adjustment Meeting.

STAFF REPRESENTATIVE:

Alondra Macias, Planner I

ATTACHMENTS:

Meeting Minutes



Zoning Board of Adjustment

October 26, 2022 Meeting Minutes

The City of Bastrop Zoning Board of Adjustment met Wednesday, October 26, 2022 at 6:00 p.m. in the Council Chambers located at 1311 Chestnut Street, Bastrop, Texas 78602.

1. CALL TO ORDER

Scott Long called the meeting to order at 6:00 p.m.

Scot Robichaud	Absent
Gary Moss	Present
Jeffery Hala-dyna	Present
Richard Smarzik	Present
Scott Long	Present
David Lowden	Present

2. CITIZEN COMMENTS

There were no comments from citizens.

3. ITEMS FOR INDIVIDUAL CONSIDERATION

- 3A. Consider action to approve meeting minutes from the August 3, 2022 Zoning Board of Adjustment Meeting.

Richard Smarzik made a motion to approve the August 3, 2022 Zoning Board of Adjustment Meeting. Jeffery Haladyna seconded the motion and the motion carried unanimously.

- 3B. Public Hearing and consider action to deny variances from the Bastrop Building Block (B³) Code, Chapter 8 – Sign, Signs, Section 8.1009 (3) Large Freestanding Sign types and Article 8.3 (L) Pole Signs to allow digital price numbers on an existing sign, on Nancy Blakey Survey, Abstract 98, Acres 0.380, located at 521 W SH 71, within the City Limits of the City of Bastrop, Texas.

Jennifer Bills presented the Public Hearing and consider action to deny variances from the Bastrop Building Block (B³) Code, Chapter 8 – Sign, Signs, Section 8.1009 (3) Large Freestanding Sign types and Article 8.3 (L) Pole Signs to allow digital price numbers on an existing sign, on Nancy Blakey Survey, Abstract 98, Acres 0.380, located at 521 W SH 71, within the City Limits of the City of Bastrop, Texas to the Board Members. She stated the applicant could not be present at the previous meeting and after reviewing the application with the City Attorney there are no issues with the applicant resubmitting their application.

Jennifer Bills stated the property owner is requesting digital signage due to a tree blocking the sign, the property owner has reached out to the owner about cutting down the tree, but the owner of the tree is not willing to compromise. She mentioned the applicant stated the sales have gone down and that the Valero owner thinks the digital sign would help.

Jennifer Bills stated they do have digital signage already on the building facing the other direction and presented other properties that have their digital signage obscured by other trees. She also

Zoning Board of Adjustment

October 26, 2022 Meeting Minutes

stated when the code was being drafted digital signs were not taken into consideration because of the visibility and the city being a dark sky.

Discussion commenced between the Board Members and Staff over the following topics:

1. The sign is not illuminated externally?
 - No, it is internally illuminated.
2. The street picture to the west at the Shell, the sign looks a lot closer to the Highway than the Valero sign. What is the setback?
 - They are both close, but I do not have an exact answer on the set back.
3. Will the sign be refaced?
 - Yes, they would take the current face out and install the digital signage.
4. Will there be any change in visibility to the sign if it becomes digital?
 - No, because the tree will still block the visibility of the sign.
5. The store cannot cut or trim the tree?
 - No, because it is not located on their property.
6. Is the pylon sign able as close to the road as it can be?
 - Yes, it is in the southeast corner of the property.
7. Is the current sign in compliance with the current light it has now.
 - When they applied for the sign, they did not say that it was going to be internally illuminated.

Lee Simmons, the applicant here on behalf of V&S Enterprise spoke to the board members about adding digital signage and the hardships they have with competitors before the change of the sign code in 2019. He spoke about the tree blocking the sign and how he was not able to reach an agreement with the property owner regarding the tree. He thinks this is a reasonable request, since they are not changing the height or area of the sign. He mentioned the gas prices change throughout the day and they are having to go out manually to change them. He stated he understood the concern about the birds and dark sky and that they will take that into consideration.

Discussion commenced between the Board Members and the applicant over the following topics:

1. How many years has it been a Valero?
 - Not many, maybe a year or longer.
2. Was it an independent business before it became Valero?
 - Yes, it was an independent business.
3. Do you know how many gas stations have opened in that area since 2016?
 - No, I do not have that information.
4. Is the sign a screen or LED segments?
 - It will be LED segments.

Scott Long opened the Public Hearing at 6:22 p.m.

There were no comments or questions from citizens.

Scott Long closed the Public Hearing at 6:22 p.m.

Zoning Board of Adjustment

October 26, 2022 Meeting Minutes

Richard Smarzik made a motion to deny the variance from the Bastrop Building Block (B³) Code, Chapter 8 – Sign, Signs, Section 8.1009 (3) Large Freestanding Sign types and Article 8.3 (L) Pole Signs to allow digital price numbers on an existing sign, on Nancy Blakey Survey, Abstract 98, Acres 0.380, located at 521 W SH 71, within the City Limits of the City of Bastrop, Texas. Gary Moss seconded the motion and the motion carried unanimously.

4. ADJOURNMENT

Richard Smarzik made a motion to adjourn the meeting at 6:23 pm. Gary Moss seconded the motion and the motion carried unanimously.

Chair

Vice-Chair



STAFF REPORT

MEETING DATE: February 20, 2024

TITLE:

Public Hearing and consider action on variances from the Bastrop Building Block (B³) Code, Chapter 8 – Signs, Article 8.3 (k) Monument Signs for the number of signs, sign height, base height, and internal illumination, for the Valverde subdivision, located at 242 Fm 969, within the City Limits of the City of Bastrop, Texas

STAFF REPRESENTATIVE:

Kennedy Higgins, Senior Planner

ITEM DETAILS:

Site Address:	242 Fm 969 (Attachment 1)
Total Acreage:	399.878 acres
Legal Description:	Nancy Blakey Survey, Abstract 98
Property ID:	8720280
Property Owner:	Continental Homes of Texas, LP
Agent Contact:	Cynthia McCalmont – SEC Planning
Existing Use:	Vacant/Undeveloped
Existing Zoning:	P1 Nature per Development Agreement
Adopted Plan:	Valverde Development Agreement, Approved July 13, 2021
Future Land Use:	Neighborhood Residential

MEETING HISTORY:

On the January 31, 2024 meeting this item was heard but no action was taken because it was not heard by at least 75% of the membership. Only 60% of the members were present. It was postponed to the 2/20/24 meeting.

BACKGROUND/HISTORY:

Valverde has a development agreement with the City where they specified that monument signs are allowed in P1, which is where all of their monument signs, the two entry signs as well as the neighborhood signs are located.

The applicant is requesting a variance to allow for three things that are not permitted under the adopted Chapter 8 – Signs;

The first is in regard to the size of the entry monument sign. Per Article 8.3 (k); (b) and (ii) (2), the maximum height of a monument sign in P5 is 6 feet. The code also specifies the height of the base at 2 feet. These are the two size differences that the applicant is requesting. They are requesting two monument signs as an entry to the subdivision with a height of 25 feet 10 inches,

a width of 48 feet 11 inches and a base with the height of 6 feet. The width would be allowed if a variance was approved for the height, as a width is allowed at 2 times the height.

The second is in regard to the number of monument signs allowed per street frontage. Currently per Article 8.3 (k); (a). only one monument sign is allowed per street frontage. The applicant is requesting a variance to allow for two monument signs at the entrance to the subdivision.

The third is to allow for illumination for all monument signs. Per Article 8.3 (k) v and vi – monument signs located in the sign corridors of SH 95, SH 71, and loop 150 can be internally illuminated, but a warrant can be requested for signs located outside of corridors and the applicant has included that request in the overall variances requested.

The applicant’s justification for all of these requests are based on the magnitude of development along Fm 969. This road is being annexed into the City as a part of the Valverde subdivision. The applicant made the comparison of the growth on 969 making it more comparable to other major highways with similar speed limits (65 MPH), comparing 969 to the City’s other sign corridors like SH 95. For example, if 969 was a sign corridor, the only variance they would need would be for the quantity of entry monument signs. The size and illumination they request would be allowed in a sign corridor.

Bastrop Building Block (B3) Code

The Bastrop Building Block (B³) Code was adopted on November 12, 2019, and include Chapter 8 Signs. The applicant is asking for a variance to following standards:

Article 8.3 K) Monument Sign

SPECIFICATIONS

a. Quantity: 1 max per Frontage

b. Height: 35 ft max. in P5 on SH 71 *see v
20 ft max in P5 on SH 95 & Loop 150

6 ft max in P5

c. Max Height to width ratio: 4:1

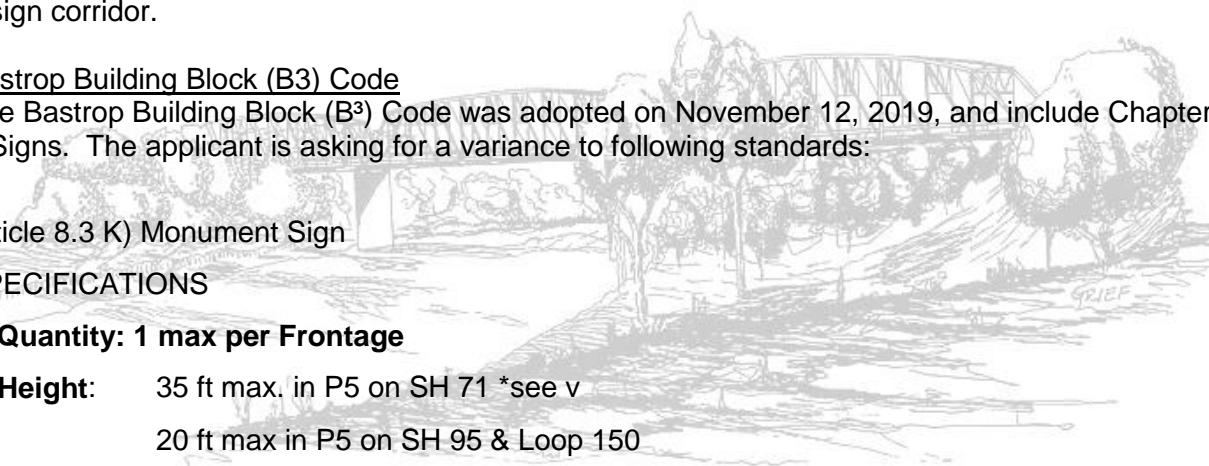
DESCRIPTION

A Sign permanently affixed to the ground at its base or by poles that are enclosed by natural stone, stucco, brick, or wood and not mounted to a part of a Building. Pole(s) may be used to construct a Monument Sign so long as the poles are not visible below the Sign.

SIGN DETAILS

i. A Monument Sign can be defined as a ground Sign generally having a low profile with little or no Open Space between the ground and the Sign and having a Structure constructed of masonry, wood, or materials similar in appearance.

ii. How to Measure:



(1) Maximum total Height is measured from the finished grade at the center of the Sign. If the finished grade at the center of the Sign is higher than the finished grade of the closest paved surface, then the Height shall be measured from the finished grade of the closest paved surface.

(2) The monument base shall be a maximum of 2 feet in Height and shall be included in the calculation of total Height.

(3) A Monument Sign width cannot exceed 2 times the allowable Sign Height.

iii. The max Height allowed along SH. 71 is 35 feet. Height limit is 8 feet if Band Sign Height exceeds 4 feet.

iv. The max Height allowed along Loop 150 and SH 95 is 20 feet. Height limit is 8 feet if Band Sign height exceeds 4 feet.

v. Signs along SH 71, SH 95 and Loop 150 can be internally illuminated.

vi. A warrant for internal illumination can be requested.

vii. Cannot be located within a Sight Triangle.

PUBLIC NOTIFICATION:

A newspaper notice was placed on January 21, 2024. Notifications were mailed to 86 adjacent property owners on January 19, 2024. At the time of this report, we have received one response with no objection.

POLICY EXPLANATION:

Texas Local Government Code

Sec. 211.009. AUTHORITY OF BOARD.

(a) The board of adjustment may:

- (1) hear and decide an appeal that alleges error in an order, requirement, decision, or determination made by an administrative official in the enforcement of this subchapter or an ordinance adopted under this subchapter;
- (2) hear and decide special exceptions to the terms of a zoning ordinance when the ordinance requires the board to do so;
- (3) authorize in specific cases a variance from the terms of a zoning ordinance if the variance is not contrary to the public interest and, due to special conditions, a literal enforcement of the ordinance would result in unnecessary hardship, and so that the spirit of the ordinance is observed and substantial justice is done; and
- (4) hear and decide other matters authorized by an ordinance adopted under this subchapter.

(b) In exercising its authority under Subsection (a)(1), the board may reverse or affirm, in whole or in part, or modify the administrative official's order, requirement, decision, or determination from which an appeal is taken and make the correct order, requirement, decision, or determination, and for that purpose the board has the same authority as the administrative official.

(b-1) In exercising its authority under Subsection (a)(3), the board may consider the following as grounds to determine whether compliance with the ordinance as

applied to a structure that is the subject of the appeal would result in unnecessary hardship:

- (1) the financial cost of compliance is greater than 50 percent of the appraised value of the structure as shown on the most recent appraisal roll certified to the assessor for the municipality under Section [26.01](#), Tax Code;
 - (2) compliance would result in a loss to the lot on which the structure is located of at least 25 percent of the area on which development may physically occur;
 - (3) compliance would result in the structure not being in compliance with a requirement of a municipal ordinance, building code, or other requirement;
 - (4) compliance would result in the unreasonable encroachment on an adjacent property or easement; or
 - (5) the municipality considers the structure to be a nonconforming structure.
- (c) The concurring vote of 75 percent of the members of the board is necessary to:
- (1) reverse an order, requirement, decision, or determination of an administrative official;
 - (2) decide in favor of an applicant on a matter on which the board is required to pass under a zoning ordinance; or
 - (3) authorize a variation from the terms of a zoning ordinance.

Bastrop Building Block (B3) Code

Section 8.2.003 Variances

(d) Other requests for variances shall be forwarded to the ZBA. The ZBA may decide, subject to appropriate conditions, and only after a finding based on the evidence presented that strict compliance with the CHAPTER 8: SIGNS 179 of 249 requirements of this Code will result in substantial undue hardship, sufficient mitigation, or inequity to the applicant without sufficient corresponding benefit to the City and its citizens in accomplishing the objectives of this Chapter.

The code allows for an administrative approval for setback, effective area, size of internal components of a Sign so long as total size of Sign Face is compliant, or Height requirements, as well as to authorize one additional sign on premises more than allowed by this chapter, additionally a height increase of up to four (4) feet can be approved administratively, anything else will be the jurisdiction of the ZBA.

The Sign Administrator and ZBA shall consider:

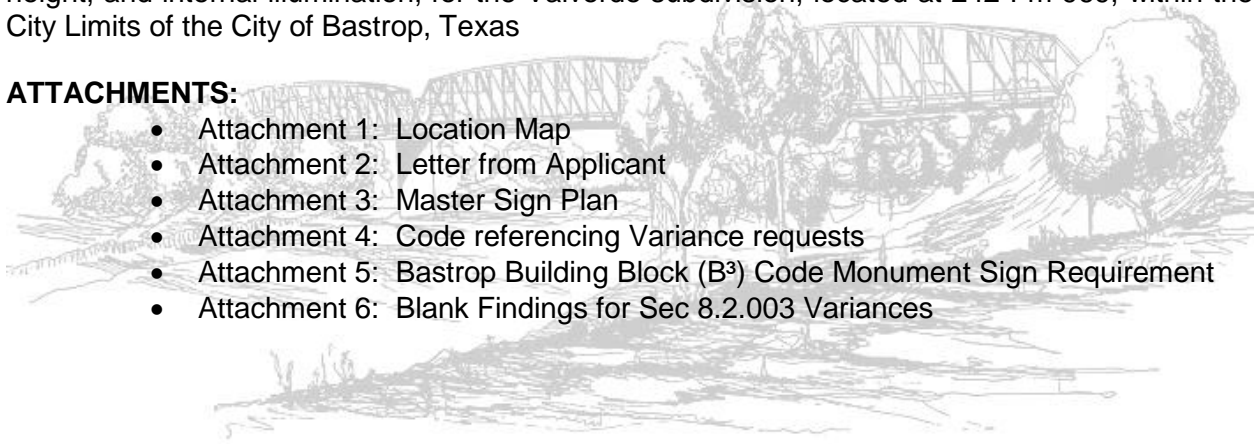
- (1) Special or unique hardship because of the size or shape of the property on which the Sign is to be located, or the visibility of the property from public roads.
- (2) Hardship claim based on the exceptional topographic conditions or physical features uniquely affecting the property on which a Sign is to be located.
- (3) Proposed Sign location, configuration, design, materials, and colors are harmonious.
- (4) The Sign and its supporting structure is in architectural harmony with the surrounding Structures.
- (5) Mitigation measures related to the Sign in question or other Signs on the same Premises.

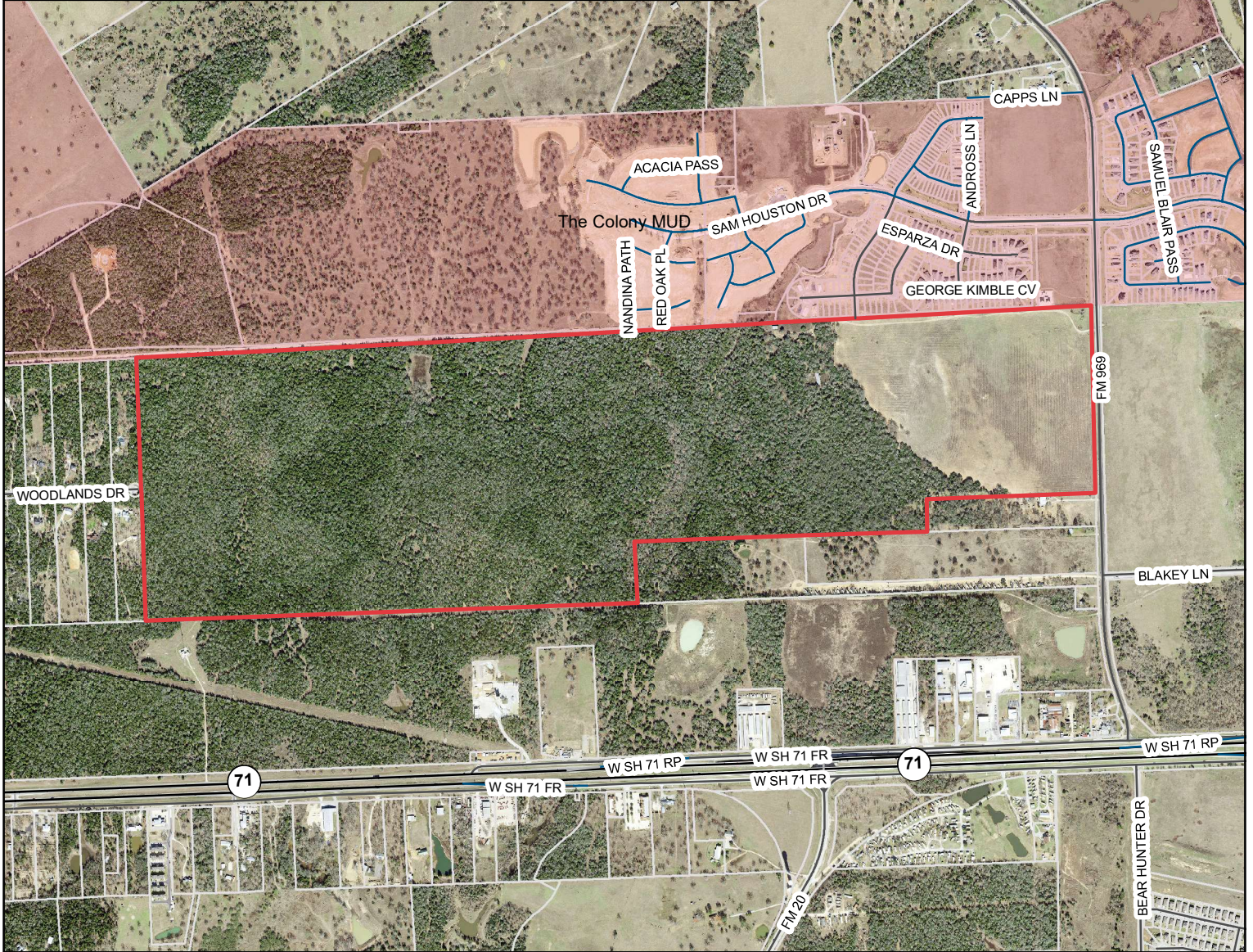
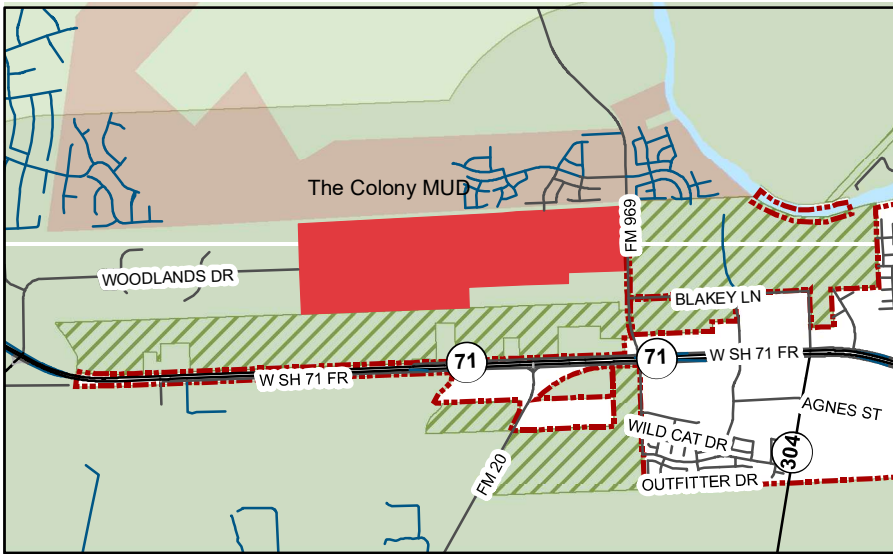
- (6) Demonstrated and documented correlation between the Variance and protecting the public health and safety.
- (7) Whether the Sign could have been included in a Master Sign Plan. Master Sign plans are highly encouraged. The City will be more inclined to favorably consider a Variance request when the Variance is part of a Master Sign Plan. There will be a presumption against granting variances piecemeal, ad hoc, on a case-by-case basis when the Sign for which a Variance is sought could have been included in a Master Sign Plan and considered in the course of a comprehensive review of the entire Project's signage.
- (8) The Sign Administrator may authorize the remodeling, renovation, or alteration of a Sign when some nonconforming aspect of the Sign is thereby reduced.

RECOMMENDATION:

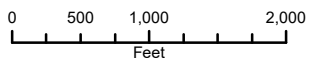
Public Hearing and consider action on variances from the Bastrop Building Block (B³) Code, Chapter 8 – Signs, Article 8.3 (k) Monument Signs for the number of signs, sign height, base height, and internal illumination, for the Valverde subdivision, located at 242 Fm 969, within the City Limits of the City of Bastrop, Texas

ATTACHMENTS:

- Attachment 1: Location Map
 - Attachment 2: Letter from Applicant
 - Attachment 3: Master Sign Plan
 - Attachment 4: Code referencing Variance requests
 - Attachment 5: Bastrop Building Block (B³) Code Monument Sign Requirement
 - Attachment 6: Blank Findings for Sec 8.2.003 Variances
- 



Valverde Sign Variance



1 inch = 1,400 feet

Date: 01/19/2024

The accuracy and precision of this cartographic data is limited and should be used for information /planning purposes only. This data does not replace surveys conducted by registered Texas land surveyors nor does it constitute an "official" verification of zoning, land use classification, or other classification set forth in local, state, or federal regulatory processes. The City of Bastrop, nor any of its employees, do not make any warranty of merchantability and fitness for particular purpose, or assumes any legal liability or responsibility for the accuracy, completeness or usefulness of this information, nor does it represent that its use will not infringe upon privately owned rights.





January 09, 2023

Re: Valverde – Sign Variance Project Description Letter

To: City of Bastrop, c/o Kennedy Higgins, James Cowey

Kennedy/James,

Per our correspondence over the past several months, please find attached a sign variance application for the Valverde subdivision primary entry monument signs. The application includes two entry monuments, one on each side of the collector road (street A) at the intersection of FM 969 (see the attached master sign plan exhibits). The developer is requesting variances from the City of Bastrop B3 sign code. The first variance is increasing the maximum monument sign dimensions of 6 feet in height and 12 feet in width with a base height of 2 feet to a monument sign size of 25 feet 10 inches in height and 48 feet 11 inches in width with a base height of 6 feet. The Second variance from the B3 sign code is to increase the allowed amount of signage along street frontage from 1 sign to 2 signs along Fm 969. The proposed signage will be internally illuminated using back lighting to create halo effect per the sign details provided within the master sign plan. The back lighting will fall in accordance with SEC. 6.6.010 (b) and not exceed the maximum temperature (3000 Kelvin).

Justifications for these variance requests are based around the overall magnitude of the development as a master planned community and the location along a major arterial roadway, FM 969. The farm to market roadway is being annexed into the city limits as part of the Valverde project. Speed limits along FM 969 reach 65 MPH, making it a roadway classification that is more compatible with large scale roads within Bastrop. The target market will be travelling Northbound and Southbound on roadway. Allowing 2 entry features along FM 969 will help identify the project going in both directions. As a comparison, the City of Bastrop B3 Code allows for larger scale signs along major roadways with similar speed limits. For example, properties along SH-71 are allowed an entry monument with a max height of 35 feet. With FM 969 being annexed into the City, the applicant believes that it would be reasonable for the larger sign provisions to apply along this major roadway.

Allowing these variance requests will create the opportunity for the large-scale Valverde master planned community to construct signage that is in proportion to the magnitude of the development and the adjacent roadway. Higher traffic speeds, larger right of ways and further setbacks from the pavement are results that come from adjacency to larger arterial roadways. These elements impact the legibility of signage and add to the justification for signage that exceeds the city minimums for monument signs.

The attached application packet includes exhibits for the entry monuments from the Valverde master sign plan. The exhibits illustrate the monument location, design form, materials, and colors. Thank you for your time and consideration of this variance request. If you have any questions, concerns or if I can provide any additional information, please do not hesitate to contact me.

Sincerely,

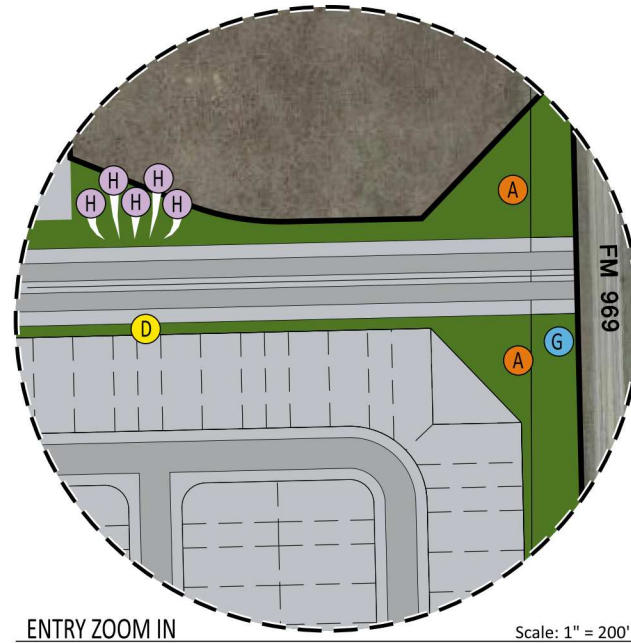
Cynthia McCalmont PLA, ASLA
Landscape Architect
cynthiam@secplanning.com
SEC Planning, LLC
o. 512.246.7003
c. 512.294.1490



SIGN LEGEND

- A** Entry Monument Sign (2)
- B** Neighborhood Monument Sign (15)
- C** Model Home Sidewalk Sign (7)
- D** New Home Direction Sign (12)
- E** Sold / Available Sign (One per Lot Allowed)
- F** Model Home Information Sign (2)
- G** Temporary Community Entry Sign (1)
- H** Temporary New Home Sign (5)

Zone P-1

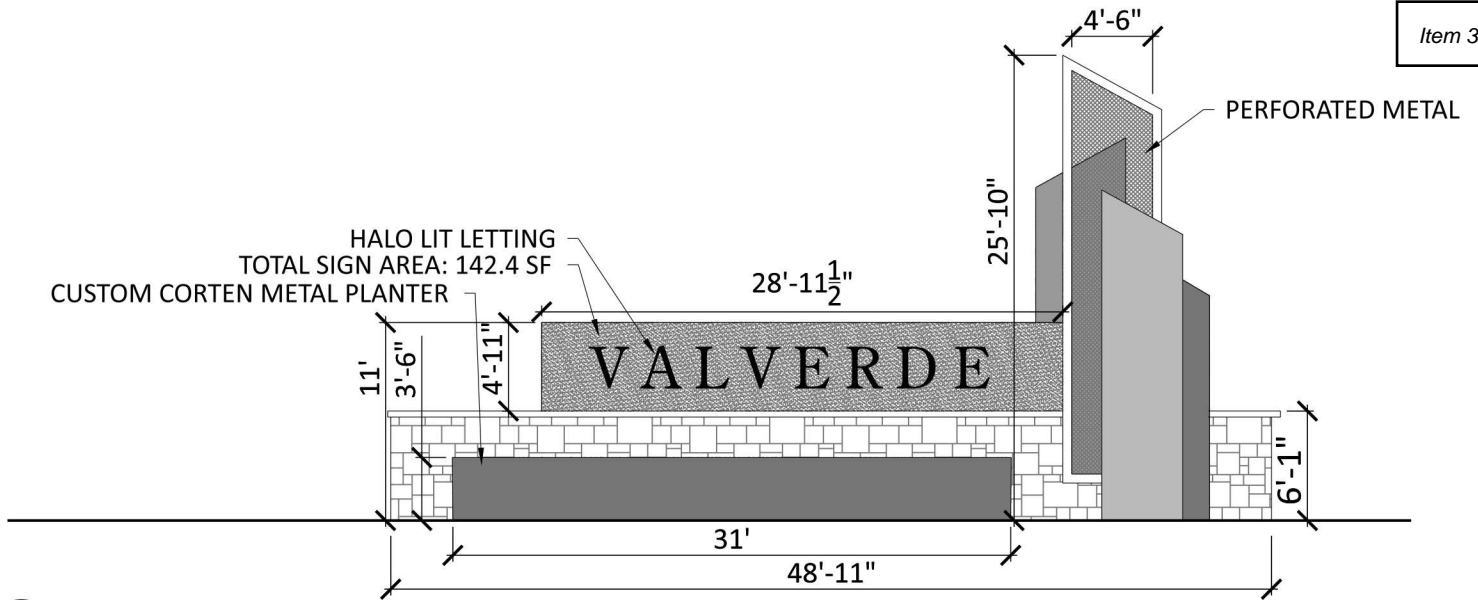


ENTRY ZOOM IN Scale: 1" = 200'

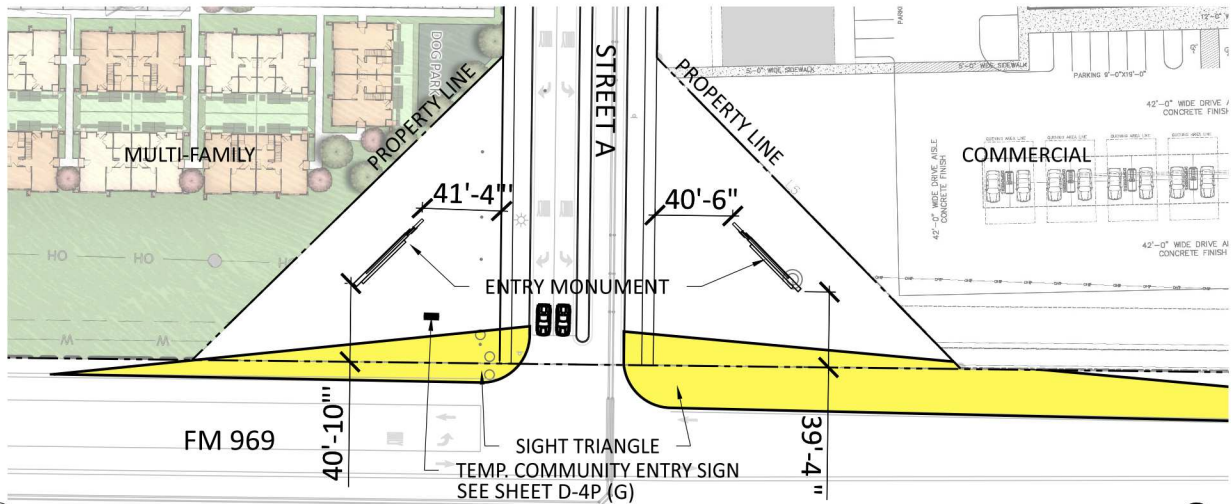


Scale: 1" = 1000'
Date: January 09, 2024

Item 3C.



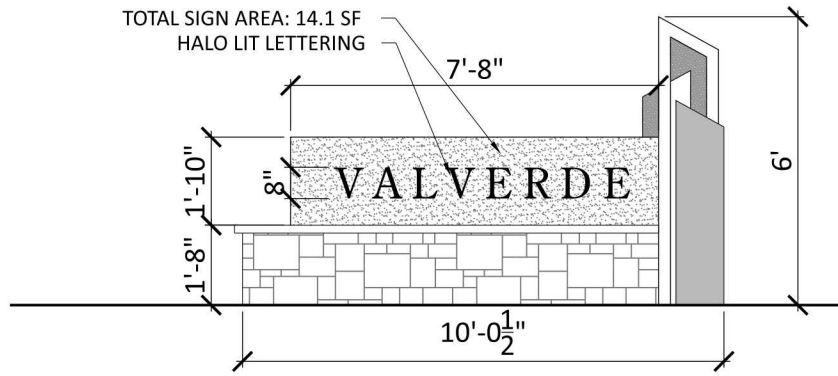
A ENTRY MONUMENT - MONUMENT SIGN
Scale: 3/32" = 1'-0"



A-1 ENTRY MONUMENT DETAIL PLAN
Scale: 1" = 100'



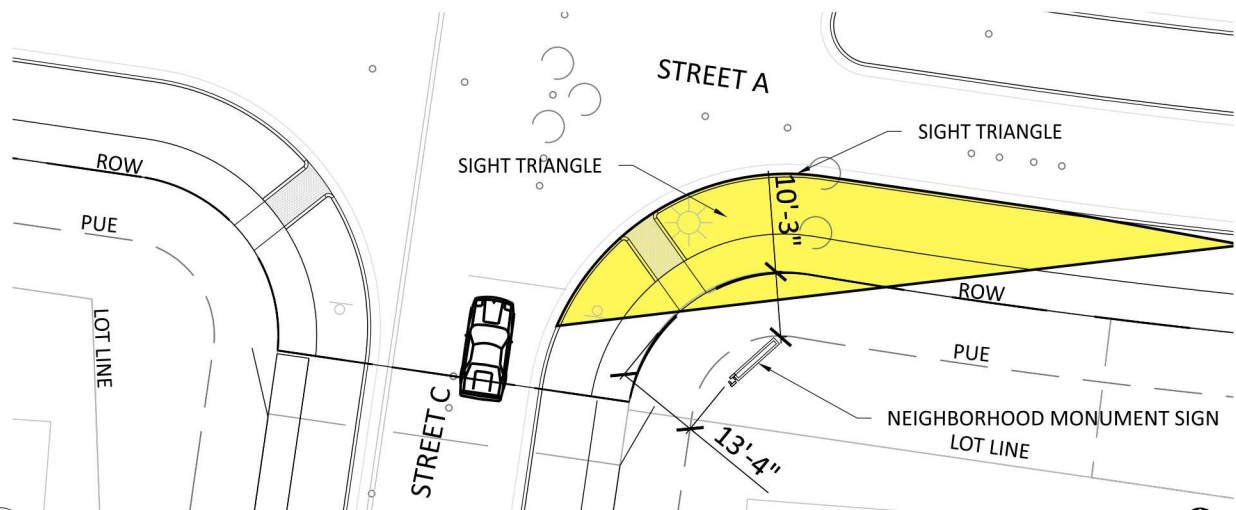
A-2 ENTRY MONUMENT - ILLUSTRATION
Scale: NTS



B NEIGHBORHOOD MONUMENT SIGN - MONUMENT SIGN
Scale: 1/4" = 1'-0"

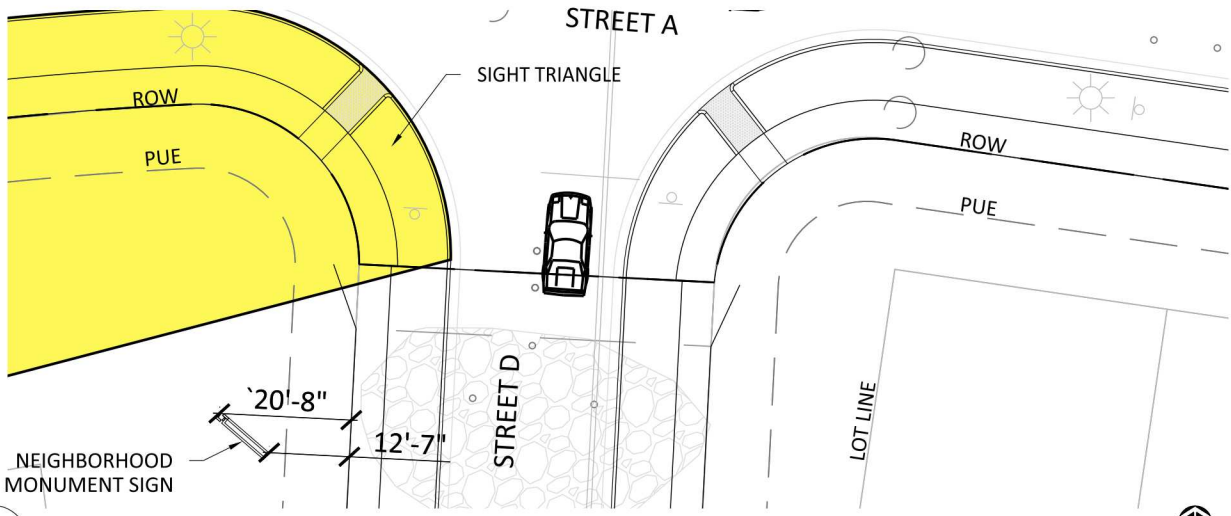


B-1 NEIGHBORHOOD MONUMENT SIGN - ILLUSTRATION
Scale: NTS

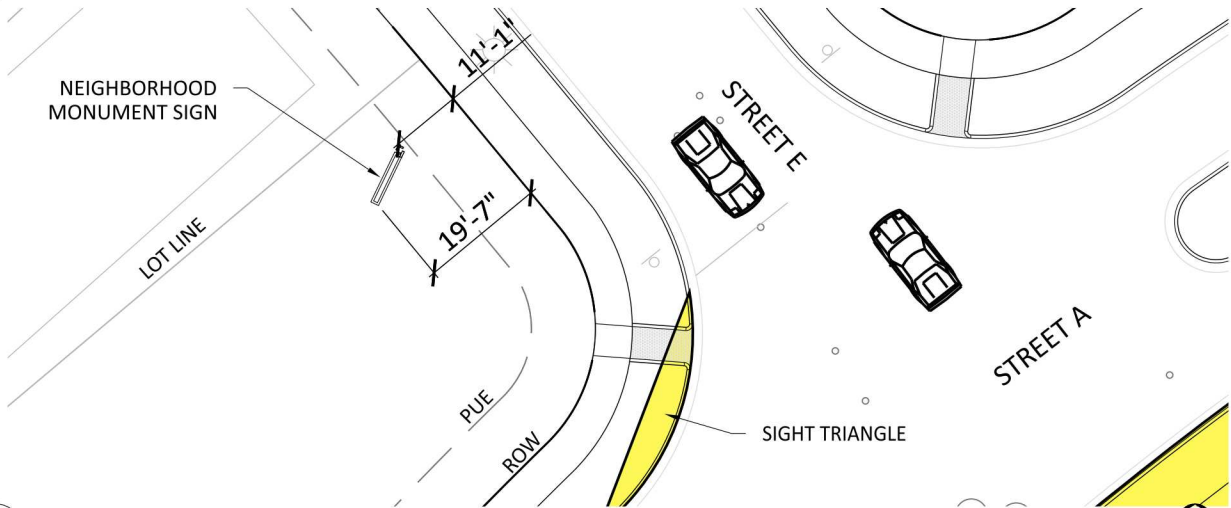


B-2 NEIGHBORHOOD MONUMENT SIGN DETAIL PLAN
Scale: 1" = 30'

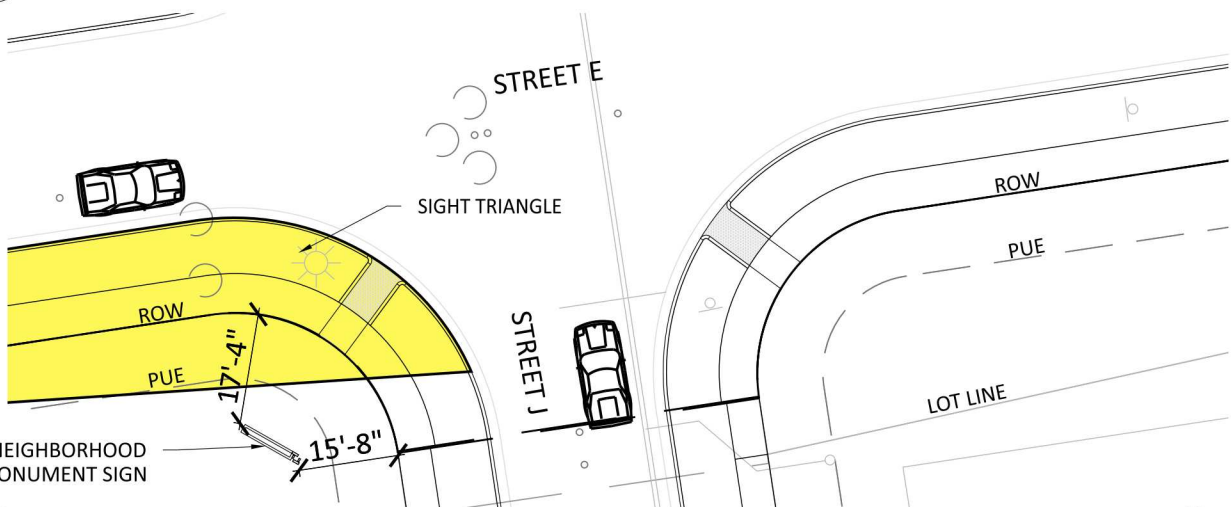




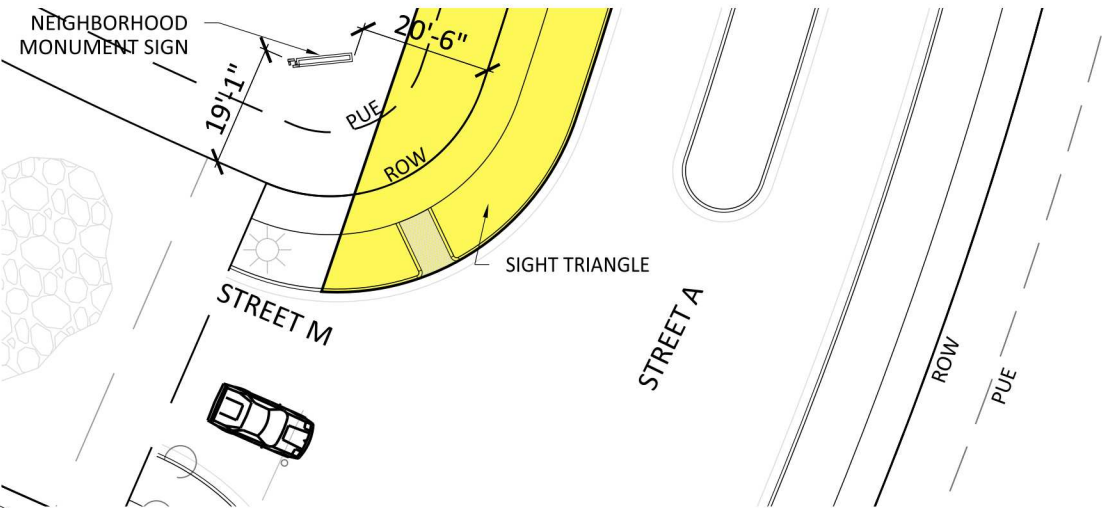
B-3 NEIGHBORHOOD MONUMENT SIGN DETAIL PLAN
Scale: 1"= 30'



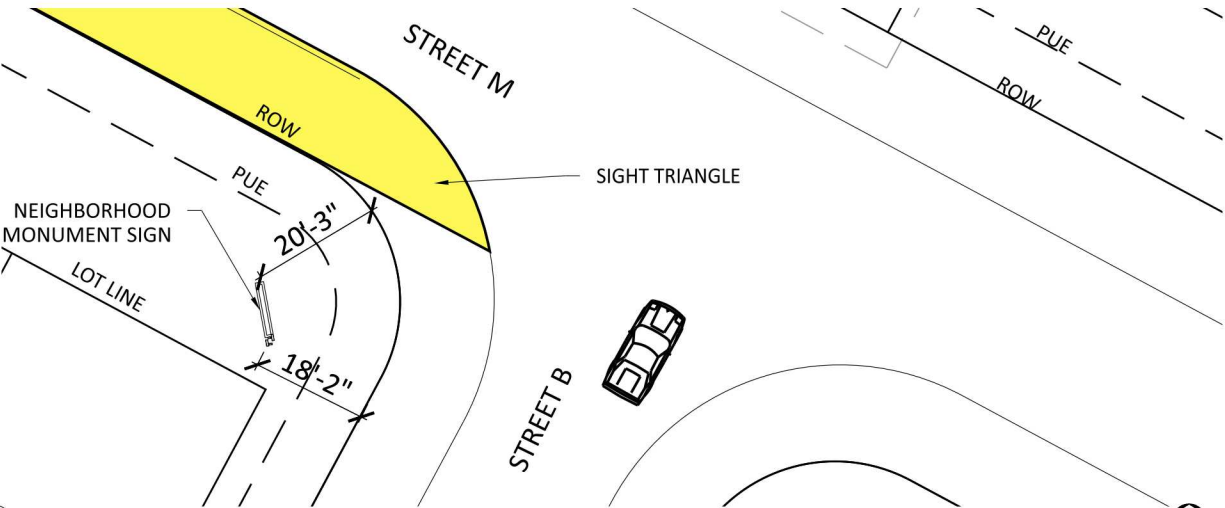
B-4 NEIGHBORHOOD MONUMENT SIGN DETAIL PLAN
Scale: 1"= 30'



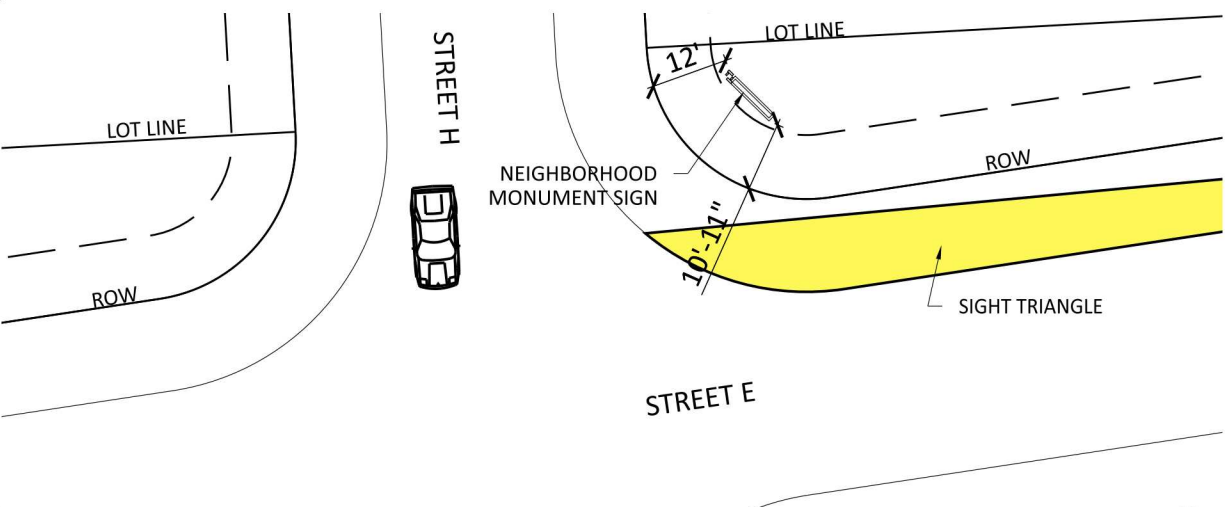
B-5 NEIGHBORHOOD MONUMENT SIGN DETAIL PLAN
Scale: 1"= 30'



B-6 NEIGHBORHOOD MONUMENT SIGN DETAIL PLAN
Scale: 1"= 30'

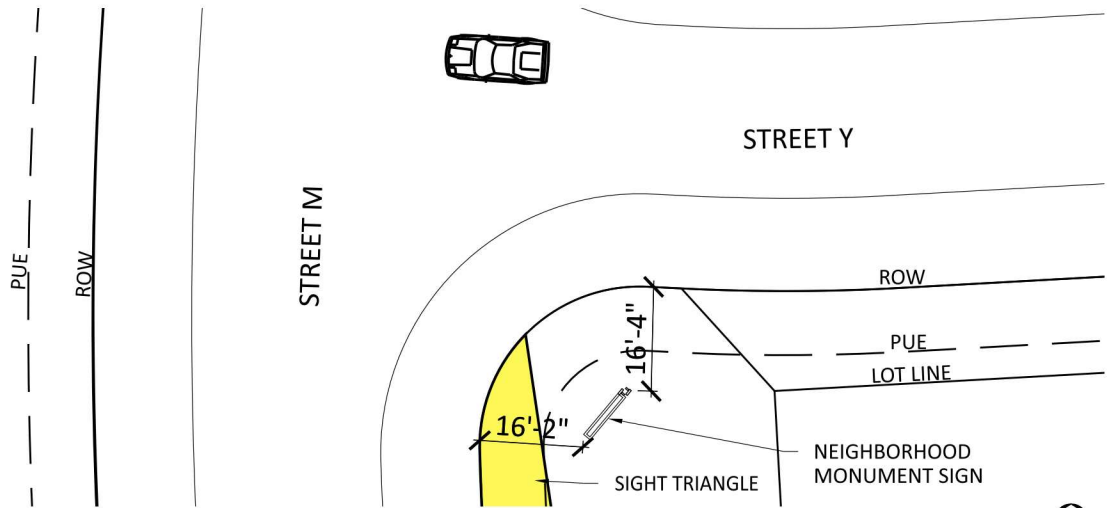


B-7 NEIGHBORHOOD MONUMENT SIGN DETAIL PLAN
Scale: 1"= 30'



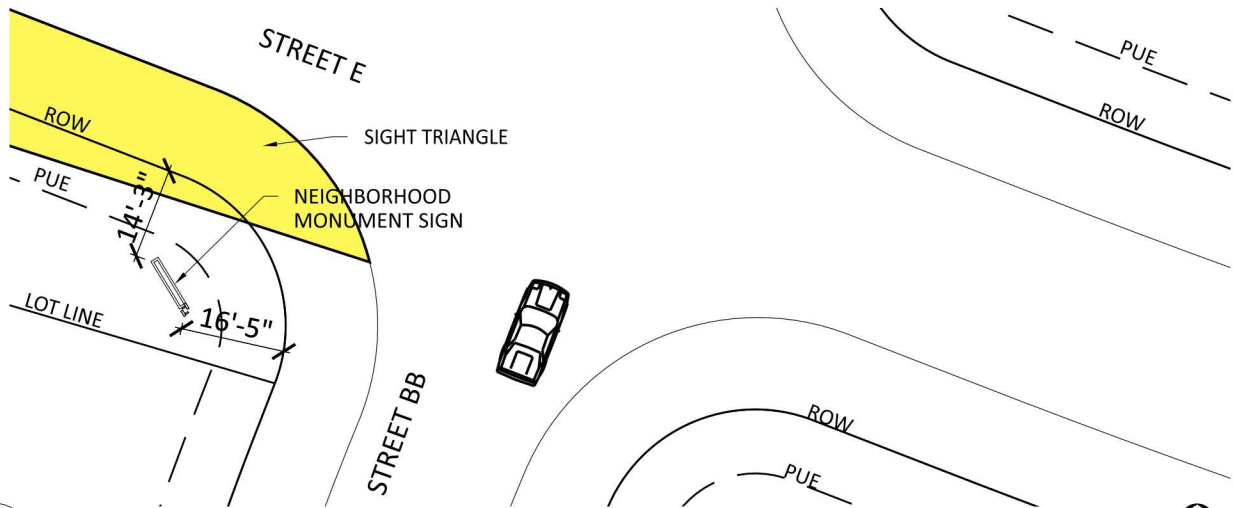
B-8 NEIGHBORHOOD MONUMENT SIGN DETAIL PLAN
Scale: 1"= 30'





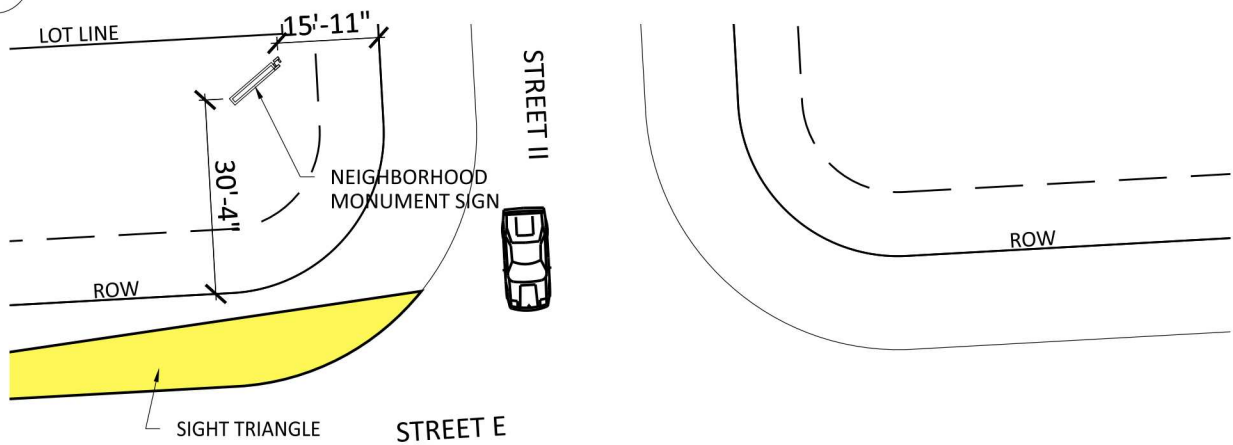
B-9 NEIGHBORHOOD MONUMENT SIGN DETAIL PLAN

Scale: 1"= 30'



B-10 NEIGHBORHOOD MONUMENT SIGN DETAIL PLAN

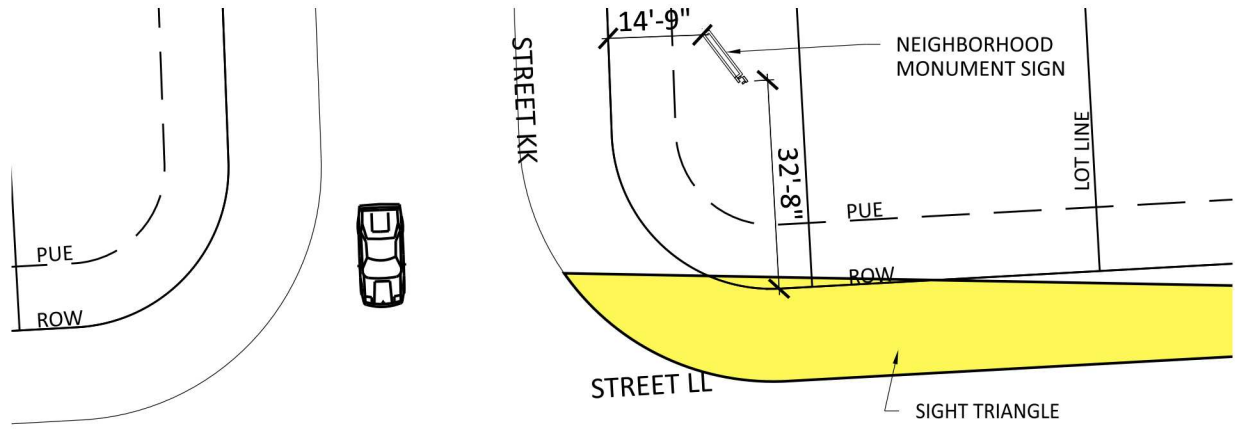
Scale: 1"= 30'



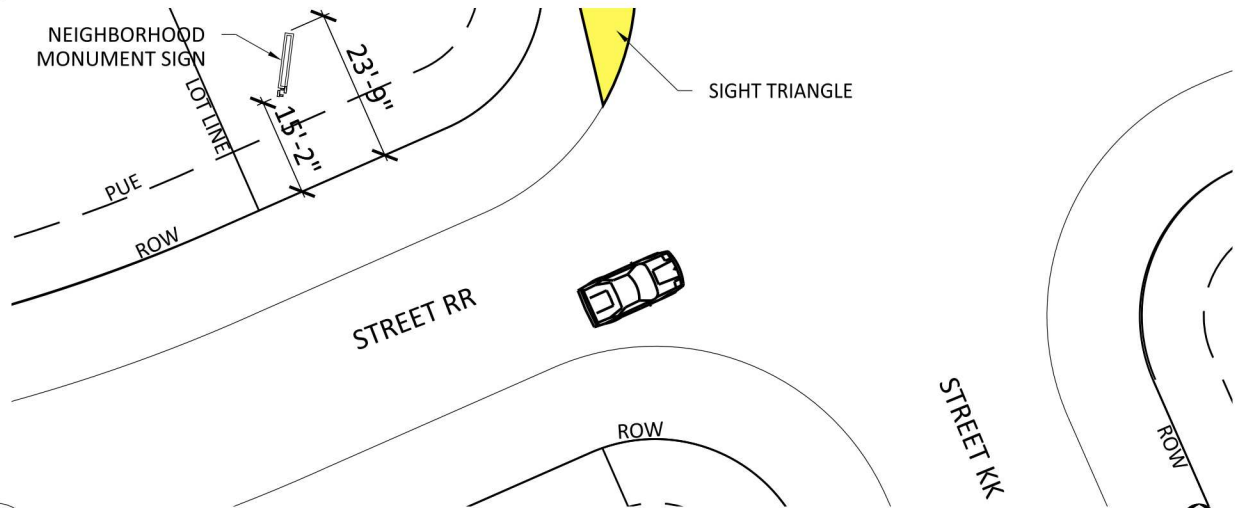
B-11 NEIGHBORHOOD MONUMENT SIGN DETAIL PLAN

Scale: 1"= 30'

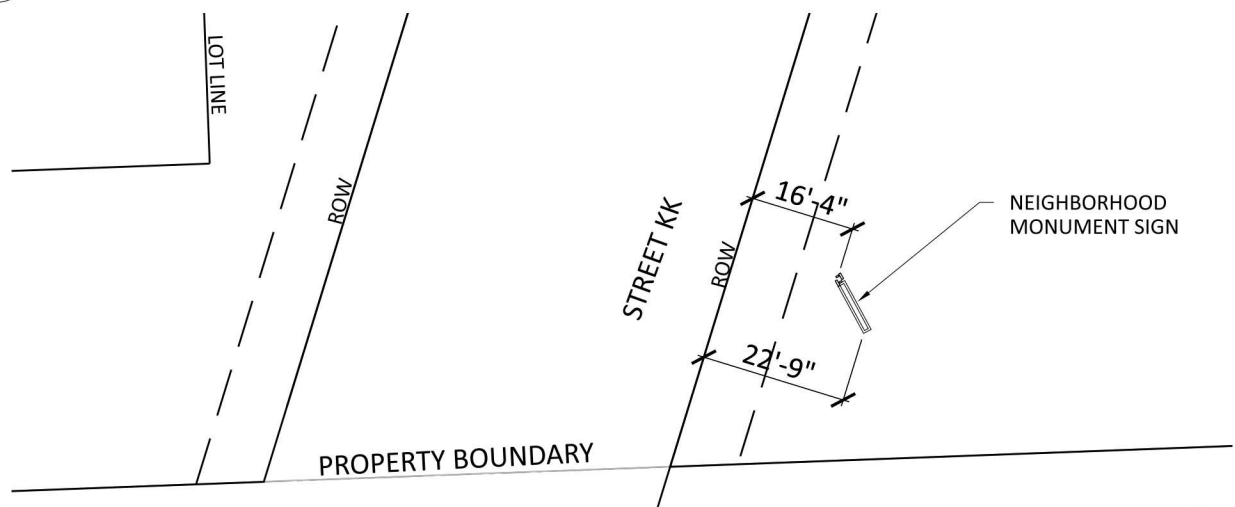




B-12 NEIGHBORHOOD MONUMENT SIGN DETAIL PLAN
Scale: 1"= 30'

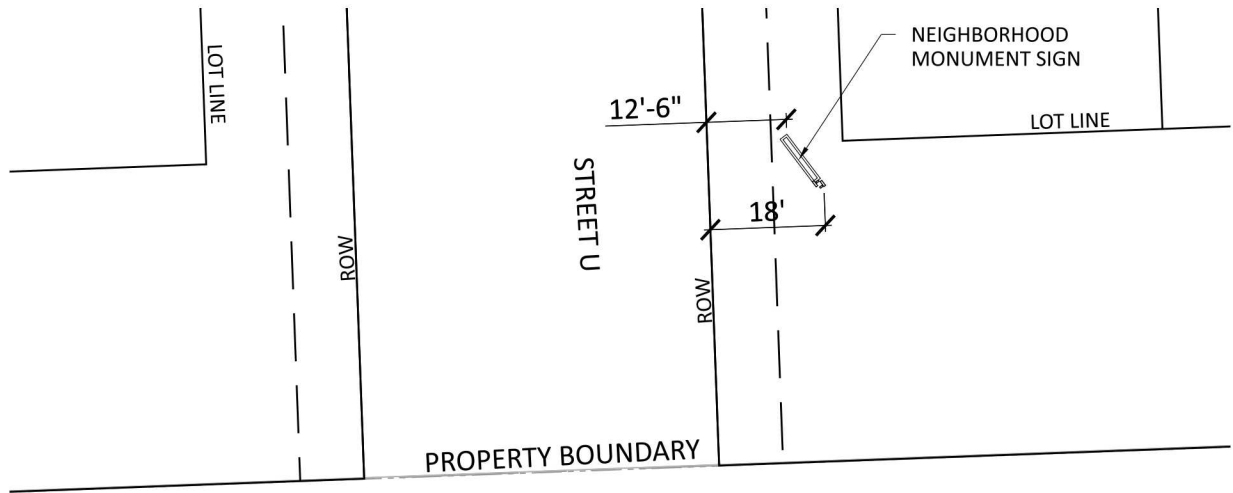


B-13 NEIGHBORHOOD MONUMENT SIGN DETAIL PLAN
Scale: 1"= 30'



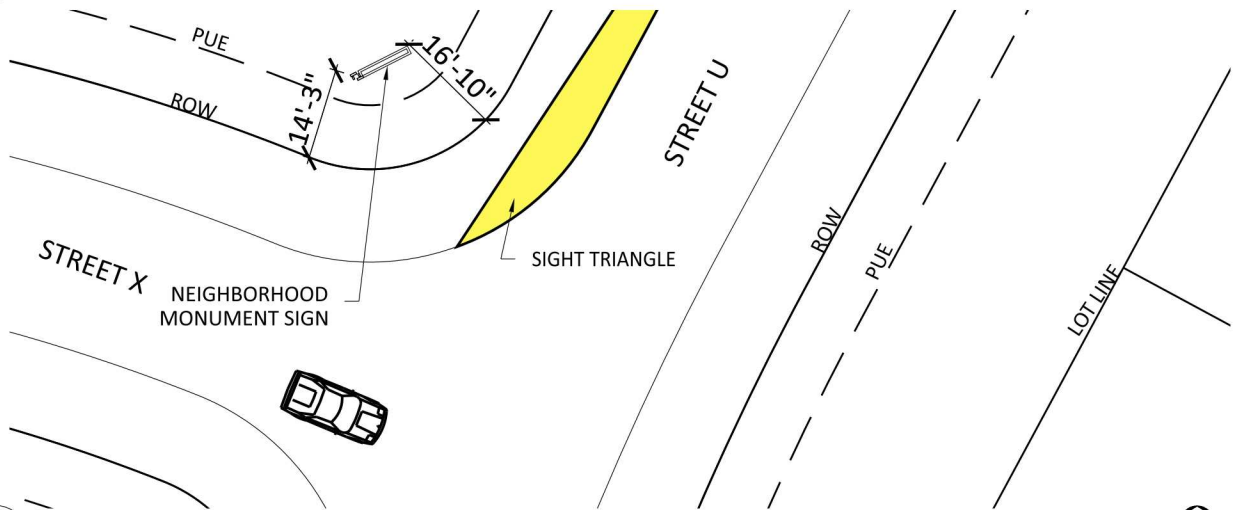
B-14 NEIGHBORHOOD MONUMENT SIGN DETAIL PLAN
Scale: 1"= 30'





B-15 NEIGHBORHOOD MONUMENT SIGN DETAIL PLAN

Scale: 1"= 30'

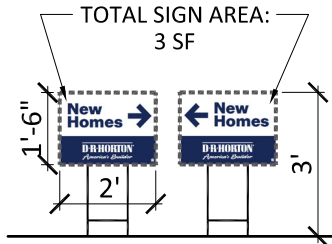
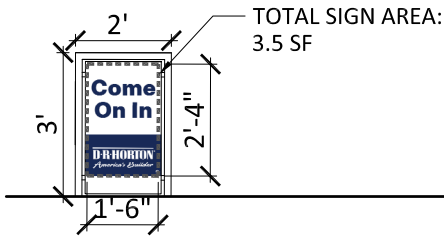


B-16 NEIGHBORHOOD MONUMENT SIGN DETAIL PLAN

Scale: 1"= 30'



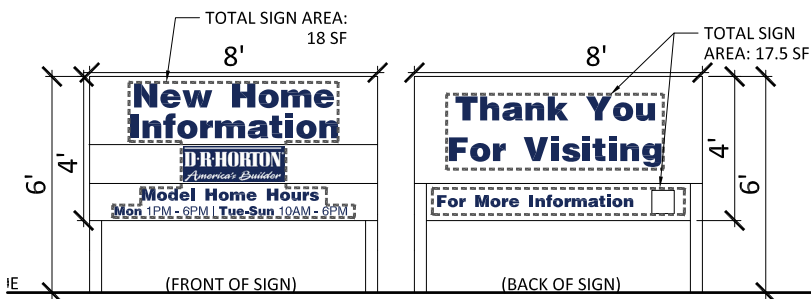
Item 3C.



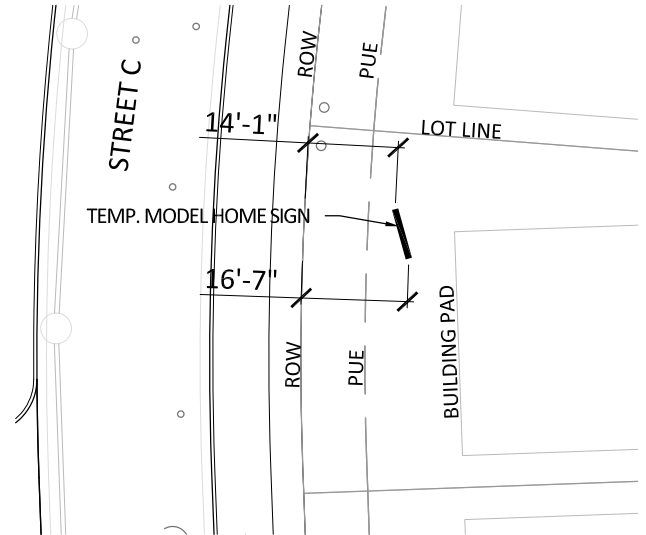
C MODEL HOME SIDEWALK SIGN - REAL ESTATE SIGN Scale: 1/4" = 1'-0"

D NEW HOME DIRECTION SIGN - REAL ESTATE SIGN Scale: 1/4" = 1'-0"

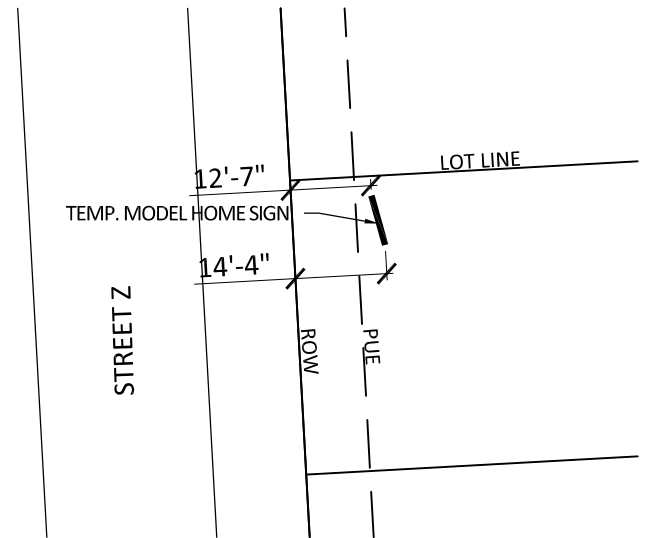
E SOLD / AVAILABLE SIGN - REAL ESTATE SIGN Scale: 1/4" = 1'-0"



F MODEL HOME INFORMATION SIGN - DEVELOPMENT INFORMATION SIGN Scale: 3/16" = 1'-0"



F-1 MODEL HOME INFORMATION SIGN DETAIL PLAN Scale: 1" = 30' North



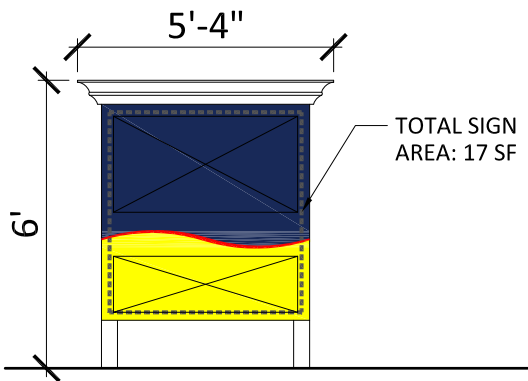
F-2 MODEL HOME INFORMATION SIGN DETAIL PLAN Scale: 1" = 30' North



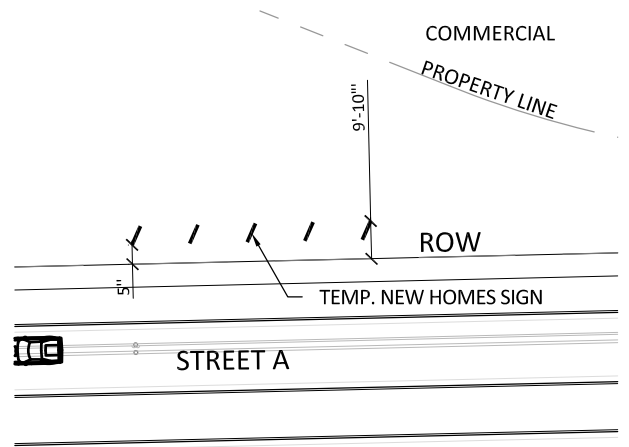
G TEMPORARY COMMUNITY ENTRY SIGN - CONSTRUCTION SITE SIGN Scale: 1/4" = 1'-0"



G-1 COMMUNITY ENTRY SIGN PROTOTYPICAL DETAIL PLAN Scale: 1" = 100' North



H TEMPORARY NEW HOMES SIGN- DEVELOPMENT INFORMATION SIGN Scale: 1/4" = 1'-0"



H-1 NEW HOME SIGN - PROTOTYPICAL DETAIL PLAN Scale: 1" = 50' North

LIST OF VARIANCES & ALTERNATIVE STANDARDS					
#	Ordinance	Description	Requirement	Requested Variance or Alternative	Justification
1	SEC. 8.1.009 (b)(4) B.	Large Freestanding Sign Number	One Sign per street frontage of a lot.	Two (2) Freestanding Signs per street frontage at main entry into Subdivision.	To have the ability to identify the project to both directions of travel along FM 969. Target market shall be travelling Northbound and Southbound on roadway.
2	ARTICLE. 8.3. (k)(b)	Monument Sign (Height)	Height: 6 ft max in P5	Height: 25'-10"	The magnitude of the deveopment and the loaction off a high speed road (FM 969)
	ARTICLE. 8.3. (k)(ii)(2)	Monument Sign (Base Height)	maximum height of base: 2 ft	Height of base: 6'-1"	
3	SEC. 8.3. (k)(vi)	Monument Sign (Warrant of illumination)	Large Freestanding Signs may only be externally illuminated unless approved by Warrant or located within the SH 71/SH 95/Loop 150 Corridors.	Large Entry Monument and Smaller Neighborhood Monument Signs may be illuminated with "halo lit", aka "backlit" lettering. All installed lighting must comply with the SEC. 6.6.006 Shielding & total outdoor light output standards from the B3 Code.	Provides shielded and indirect illumination behind each letter and creates a silhouetted letter without glare for the enhanced signage visibility to drivers.

K)

PLACE TYPES ▶

P2

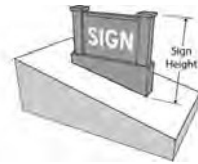
P3

P4

P5

SPECIFICATIONS ▼

MONUMENT



P

- a. **Quantity:** 1 max per Frontage
- b. **Height:** 35 ft max. in P5 on SH 71 *see v
20 ft max in P5 on SH 95 & Loop 150
6 ft max in P5
- c. **Max Height to width ratio:** 4:1

DESCRIPTION

A Sign permanently affixed to the ground at its base or by poles that are enclosed by natural stone, stucco, brick, or wood and not mounted to a part of a Building. Pole(s) may be used to construct a Monument Sign so long as the poles are not visible below the Sign.

SIGN DETAILS

- i. A Monument Sign can be defined as a ground Sign generally having a low profile with little or no Open Space between the ground and the Sign and having a Structure constructed of masonry, wood, or materials similar in appearance.
- ii. How to Measure:
 - (1) Maximum total Height is measured from the finished grade at the center of the Sign. If the finished grade at the center of the Sign is higher than the finished grade of the closest paved surface, then the Height shall be measured from the finished grade of the closest paved surface.
 - (2) The monument base shall be a maximum of 2 feet in Height and shall be included in the calculation of total Height.
 - (3) A Monument Sign width cannot exceed 2 times the allowable Sign Height.
- iii. The max Height allowed along SH. 71 is 35 feet. Height limit is 8 feet if Band Sign Height exceeds 4 feet.
- iv. The max Height allowed along Loop 150 and SH 95 is 20 feet. Height limit is 8 feet if Band Sign height exceeds 4 feet.
- v. Signs along SH 71, SH 95 and Loop 150 can be internally illuminated.
- vi. A warrant for internal illumination can be requested.
- vii. Cannot be located within a Sight Triangle.

Section 8.2.003 Variances

(d) The ZBA may decide, subject to appropriate conditions, and only after a finding based on the evidence presented that strict compliance with the requirements of this Code will result in substantial undue hardship, sufficient mitigation, or inequity to the applicant without sufficient corresponding benefit to the City and its citizens in accomplishing the objectives of this Chapter.

The Sign Administrator and ZBA shall consider:

- (1) Special or unique hardship because of the size or shape of the property on which the Sign is to be located, or the visibility of the property from public roads.
- (2) Hardship claim based on the exceptional topographic conditions or physical features uniquely affecting the property on which a Sign is to be located.
- (3) Proposed Sign location, configuration, design, materials and colors are harmonious.
- (4) The Sign and its supporting structure is in architectural harmony with the surrounding Structures.
- (5) Mitigation measures related to the Sign in question or other Signs on the same Premises.
- (6) Demonstrated and documented correlation between the Variance and protecting the public health and safety.
- (7) Whether the Sign could have been included in a Master Sign Plan. Master Sign plans are highly encouraged. The City will be more inclined to favorably consider a Variance request when the Variance is part of a Master Sign Plan. There will be a presumption against granting variances piecemeal, ad hoc, on a case-by-case basis when the Sign for which a Variance is sought could have

been included in a Master Sign Plan and considered in the course of a comprehensive review of the entire Project's signage.

- (8) The Sign Administrator may authorize the remodeling, renovation, or alteration of a Sign when some nonconforming aspect of the Sign is thereby reduced.



STAFF REPORT

MEETING DATE: February 20, 2024

TITLE:

Public Hearing and consider action on variances from the Bastrop Building Block (B³) Code, Chapter 8 – Signs, Article 8.3 (k) Monument Signs for the sign height, base height, and internal illumination, for the Bastrop Highschool, located at 1614 Chamber street, within the City Limits of the City of Bastrop, Texas.

STAFF REPRESENTATIVE:

Kennedy Higgins, Senior Planner

ITEM DETAILS:

Site Address:	1614 Chamber Street (Attachment 1)
Total Acreage:	24 acres
Legal Description:	Farm Lot 33 & 34 East of Main street
Property ID:	32189
Property Owner:	BISD
Agent Contact:	Lee Raspberry
Existing Use:	School
Existing Zoning:	P-CS – Civic Space
Future Land Use:	Public and Institutional

BACKGROUND/HISTORY:

The applicant is requesting a variance to allow for three things that are not permitted under the adopted Chapter 8 – Signs;

The first two are in regard to the size of the monument sign. Per Article 8.3 (k); (b) and (ii) (2), the maximum height of a monument sign in P5 is 6 feet. The code also specifies the height of the base at 2 feet. The applicant is requesting a sign 7 feet in height. The base is allowed to be a maximum of 2 feet in height, and their base is proposed at 2 feet 6 inches.

The third is to allow for illumination for all monument signs. Per Article 8.3 (k) v and vi – monument signs located in the sign corridors of SH 95, SH 71, and loop 150 can be internally illuminated, but a warrant can be requested for signs located outside of corridors and the applicant has included that request in the overall variances requested.

Bastrop Building Block (B³) Code

The Bastrop Building Block (B³) Code was adopted on November 12, 2019, and include Chapter 8 Signs. The applicant is asking for a variance to following standards:

Article 8.3 K) Monument Sign

SPECIFICATIONS

- a. Quantity: 1 max per Frontage
- b. **Height:** 35 ft max. in P5 on SH 71 *see v
20 ft max in P5 on SH 95 & Loop 150
6 ft max in P5
- c. Max Height to width ratio: 4:1

DESCRIPTION

A Sign permanently affixed to the ground at its base or by poles that are enclosed by natural stone, stucco, brick, or wood and not mounted to a part of a Building. Pole(s) may be used to construct a Monument Sign so long as the poles are not visible below the Sign.

SIGN DETAILS

- i. A Monument Sign can be defined as a ground Sign generally having a low profile with little or no Open Space between the ground and the Sign and having a Structure constructed of masonry, wood, or materials similar in appearance.
- ii. How to Measure:
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- v. Signs along SH 71, SH 95 and Loop 150 can be internally illuminated.
- vi. A warrant for internal illumination can be requested.**
- vii. Cannot be located within a Sight Triangle.

PUBLIC NOTIFICATION:

A newspaper notice was placed on February 7, 2024. Notifications were mailed to 27 adjacent property owners on February 6, 2024. At the time of this report, we have received one response that is in favor.

POLICY EXPLANATION:Texas Local Government Code

Sec. 211.009. AUTHORITY OF BOARD.

- (a) The board of adjustment may:
- (1) hear and decide an appeal that alleges error in an order, requirement, decision, or determination made by an administrative official in the enforcement of this subchapter or an ordinance adopted under this subchapter;
 - (2) hear and decide special exceptions to the terms of a zoning ordinance when the ordinance requires the board to do so;
 - (3) authorize in specific cases a variance from the terms of a zoning ordinance if the variance is not contrary to the public interest and, due to special conditions, a literal enforcement of the ordinance would result in unnecessary hardship, and so that the spirit of the ordinance is observed and substantial justice is done; and
 - (4) hear and decide other matters authorized by an ordinance adopted under this subchapter.
- (b) In exercising its authority under Subsection (a)(1), the board may reverse or affirm, in whole or in part, or modify the administrative official's order, requirement, decision, or determination from which an appeal is taken and make the correct order, requirement, decision, or determination, and for that purpose the board has the same authority as the administrative official.
- (b-1) In exercising its authority under Subsection (a)(3), the board may consider the following as grounds to determine whether compliance with the ordinance as applied to a structure that is the subject of the appeal would result in unnecessary hardship:
- (1) the financial cost of compliance is greater than 50 percent of the appraised value of the structure as shown on the most recent appraisal roll certified to the assessor for the municipality under Section [26.01](#), Tax Code;
 - (2) compliance would result in a loss to the lot on which the structure is located of at least 25 percent of the area on which development may physically occur;
 - (3) compliance would result in the structure not being in compliance with a requirement of a municipal ordinance, building code, or other requirement;
 - (4) compliance would result in the unreasonable encroachment on an adjacent property or easement; or
 - (5) the municipality considers the structure to be a nonconforming structure.
- (c) The concurring vote of 75 percent of the members of the board is necessary to:
- (1) reverse an order, requirement, decision, or determination of an administrative official;
 - (2) decide in favor of an applicant on a matter on which the board is required to pass under a zoning ordinance; or
 - (3) authorize a variation from the terms of a zoning ordinance.

Bastrop Building Block (B3) CodeSection 8.2.003 Variances

- (d) Other requests for variances shall be forwarded to the ZBA. The ZBA may decide, subject to appropriate conditions, and only after a finding based on the evidence presented that strict compliance with the CHAPTER 8: SIGNS 179 of 249 requirements

of this Code will result in substantial undue hardship, sufficient mitigation, or inequity to the applicant without sufficient corresponding benefit to the City and its citizens in accomplishing the objectives of this Chapter.

The code allows for an administrative approval for setback, effective area, size of internal components of a Sign so long as total size of Sign Face is compliant, or Height requirements, as well as to authorize one additional sign on premises more than allowed by this chapter, additionally a height increase of up to four (4) feet can be approved administratively, anything else will be the jurisdiction of the ZBA.

The Sign Administrator and ZBA shall consider:

- (1) Special or unique hardship because of the size or shape of the property on which the Sign is to be located, or the visibility of the property from public roads.
- (2) Hardship claim based on the exceptional topographic conditions or physical features uniquely affecting the property on which a Sign is to be located.
- (3) Proposed Sign location, configuration, design, materials, and colors are harmonious.
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- (5) Mitigation measures related to the Sign in question or other Signs on the same Premises.
- (6) Demonstrated and documented correlation between the Variance and protecting the public health and safety.
- (7) Whether the Sign could have been included in a Master Sign Plan. Master Sign plans are highly encouraged. The City will be more inclined to favorably consider a Variance request when the Variance is part of a Master Sign Plan. There will be a presumption against granting variances piecemeal, ad hoc, on a case-by-case basis when the Sign for which a Variance is sought could have been included in a Master Sign Plan and considered in the course of a comprehensive review of the entire Project's signage.
- (8) The Sign Administrator may authorize the remodeling, renovation, or alteration of a Sign when some nonconforming aspect of the Sign is thereby reduced.

RECOMMENDATION:

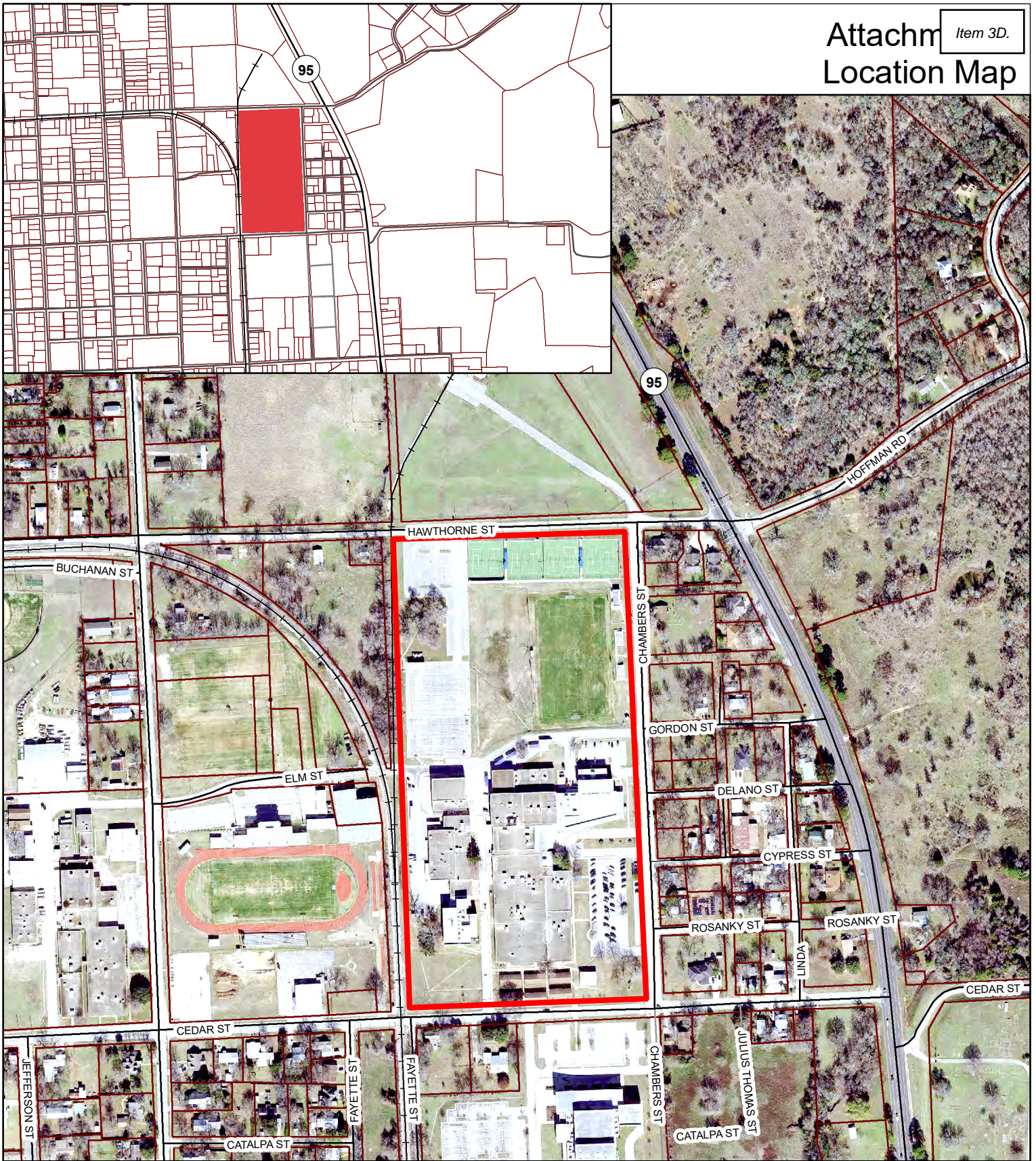
Public Hearing and consider action on variances from the Bastrop Building Block (B³) Code, Chapter 8 – Signs, Article 8.3 (k) Monument Signs for the sign height, base height, and internal illumination, for the Bastrop Highschool, located at 1614 Chamber street, within the City Limits of the City of Bastrop, Texas.

ATTACHMENTS:

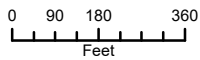
- Attachment 1: Location Map
- Attachment 2: Application
- Attachment 3: Sign Study
- Attachment 4: Bastrop Building Block (B³) Code Monument Requirement

- Attachment 5: Blank Findings for Sec 8.2.003 Variances





1614 Chamber Street BHS Sign Variance Location Map



1 inch = 400 feet

Date: 1/30/2024

The accuracy and precision of this cartographic data is limited and should be used for information /planning purposes only. This data does not replace surveys conducted by registered Texas land surveyors nor does it constitute an "official" verification of zoning, land use classification, or other classification set forth in local, state, or federal regulatory processes. The City of Bastrop, nor any of its employees, do not make any warranty of merchantability and fitness for particular purpose, or assumes any legal liability or responsibility for accuracy, completeness or usefulness of information, nor does it represent that its use will not infringe upon privately owned rights.





Stantec Consulting Services Inc.
1905 Aldrich Street, Suite 300
Austin TX 78723-3544

November 28, 2023

Project/File: 214000952

Attention: City of Bastrop
City of Bastrop, TX
Bastrop City Hall
1311 Chestnut Street
Bastrop, Texas 78602

Reference: Bastrop High School – Sign Variance
1614 Chambers Street, Bastrop, Texas 78602

Please accept this letter and accompanying exhibits as our application for a Sign Variance for Bastrop High School.

The proposed monument sign for this project has an overall dimension of 7'-0" H, 11-9" W. It includes the following parts:

- Base: 2' H, 10' W brick base, the brick to match the new addition.
- Information Board (LED): 5'-0" H, 10'W LED screen at ratio of 9:16 per School Signs LED Matrix system, B.O.D.

The checklist and all required exhibits for the Sign Variance can be found in the attachments of this submittal. Copy of current tax certificates is pending to be submitted. Should you have any questions or concerns please do not hesitate to contact our office.



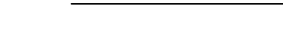
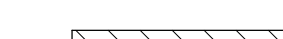
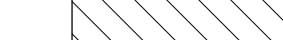
Respectfully,

STANTEC ARCHITECTURE INC.

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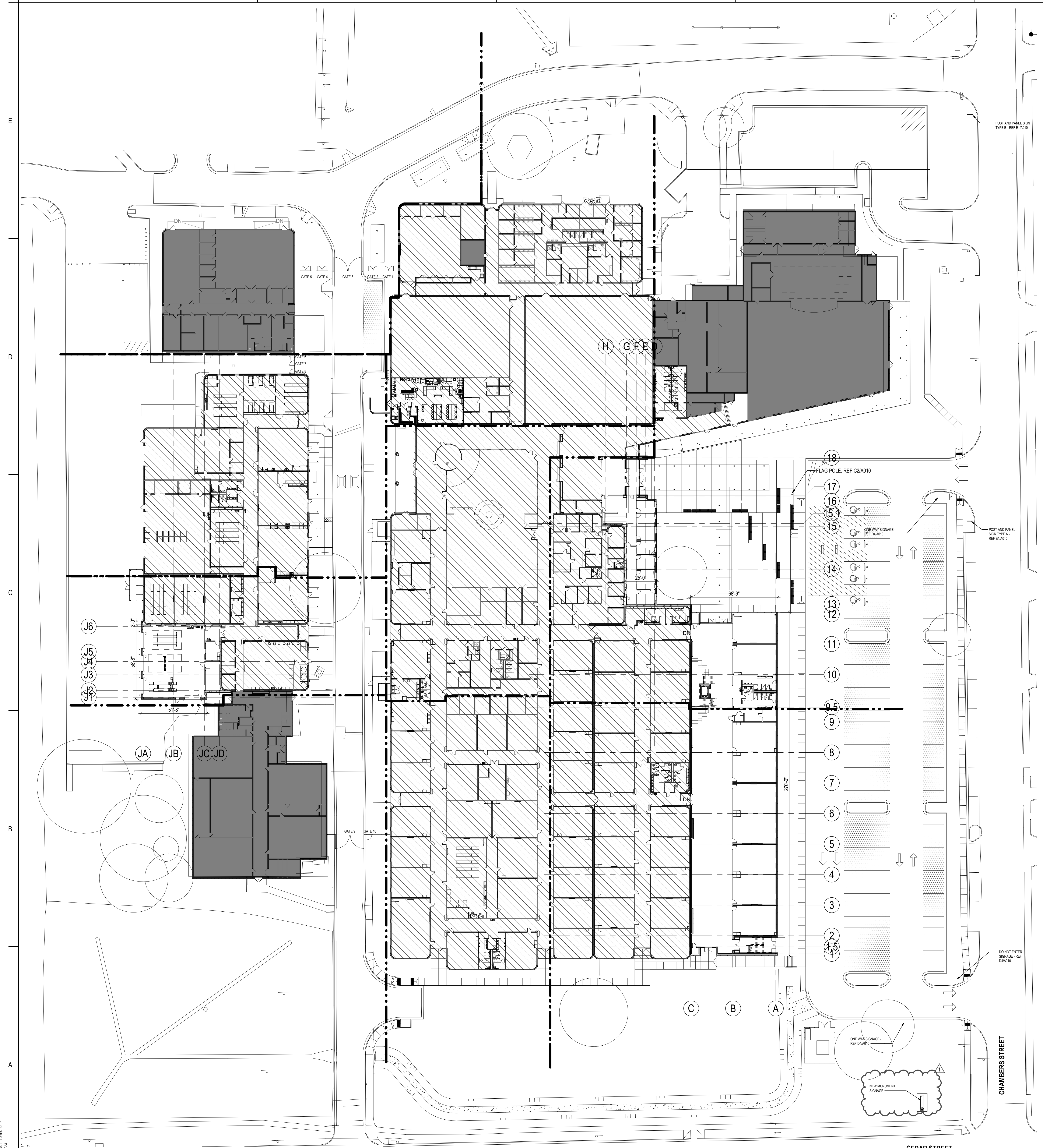
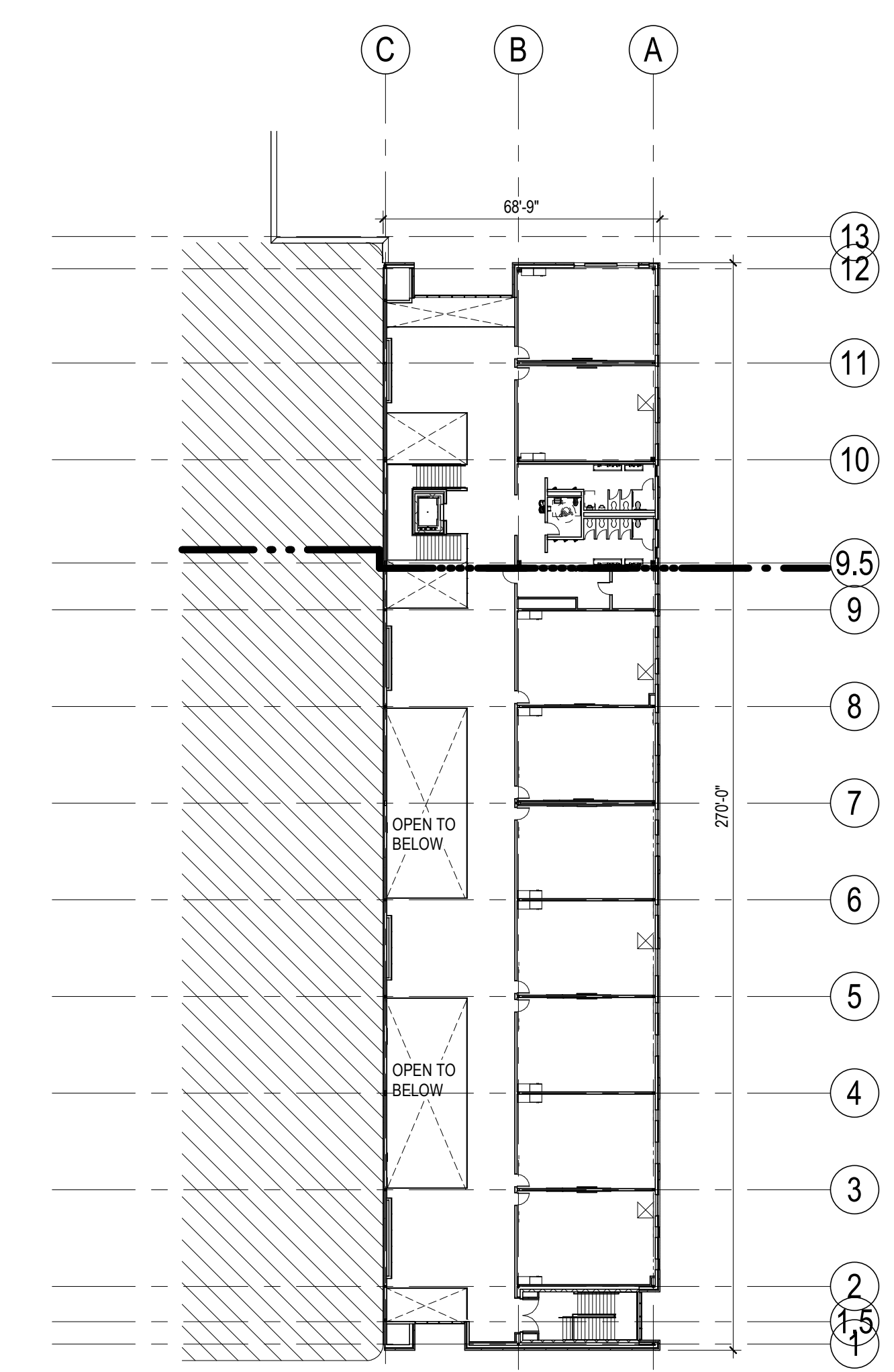
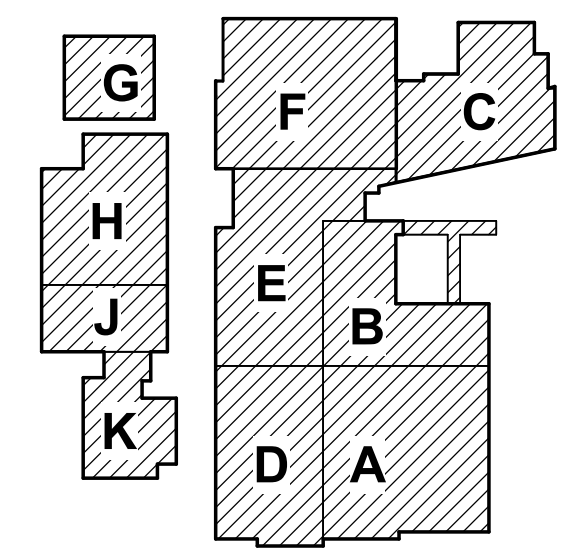
Amber O'Donnell
Principal
Phone: 512.867.6012
aodonnell@stantec.com

FLOOR PLAN LEGEND:

-  EXISTING WALLS TO REMAIN
-  NEW WALLS
-  EXISTING / RENOVATION
-  EXISTING / NOT IN SCOPE
-  NEW CONSTRUCTION

GENERAL NOTES - PLANS:

1. REFER AREA PLANS FOR WALL TYPES
2. DIMENSIONS ARE TO FACE OF STUD OR FACE OF CMU JON.
3. REFER TO SHEET A003 FOR INTERIOR PARTITION TYPE CONSTRUCTION INFORMATION AND SHEET A300 FOR EXTERIOR BUILDING SYSTEM CONSTRUCTION INFORMATION, TYP.
4. REFER TO G-SERIES FOR RATED WALLS, ROOF AND FLOOR LOCATIONS AND EXTENTS REFER TO SHEETS A001-A008 FOR WALL TO DECK DETAILS.
5. REFER TO FURNISHING AND EQUIPMENT PLANS FOR FLOOR MATERIAL TRANSITIONS NOT OCCURRING AT DOORS AND FOR FLOOR PATTERNS, TYP.
6. ALIGN FACE OF WALLS WITH FACE OF COLUMN WRAPS, WHERE POSSIBLE, WHERE OCCURS, TYP, UON.
7. WHERE PARTITION TYPES WITH GYP BD FINISH AND DIFFERENT THICKNESSES ADJOIN IN SAME PLANE, ALIGN FACE OF GYP BD.
8. WHERE GYP BD WALLS ADJUT MASONRY WALLS PROVIDE GYP BD CASING BEAD AND SEALANT, TYP.
9. PROVIDE CJS AT 30" OC MAX AT DOORS AND WINDOWS REFER TO DETAILS A14006, AND AS INDICATED ON INTERIOR ELEVATIONS OF GYP BD WALL ASSEMBLIES.
10. REFER TO ADDS FOR MASONRY EXPANSION JOINT DETAILS. PROVIDE AT PERPENDICULAR INTERSECTIONS OF NON-LOAD BEARING WALLS WITH EXTERIOR WALLS, AT DOORS AND WINDOWS REFER DETAILS A14006, AT 30" OC IN NON-LOAD-BEARING INTERIOR WALLS, AND AT 20" OC IN NON-LOAD-BEARING EXTERIOR WALLS, UON. REFER STRUCTURAL DOCUMENTS FOR LOCATIONS OF MEJS IN LOAD-BEARING MASONRY WALLS, TYP.
11. REFER E14005 FOR TYP MASONRY CONTROL JOINT (CJ) DETAILS, TYP AT INTERSECTING MASONRY WALLS.
12. REFER TO 'GENERAL WALL SECTION NOTES' SHEET A300, FOR ADDITIONAL TYP CONSTRUCTION INFORMATION, INCLUDING TYP GYP BD BULKHEAD CONSTRUCTION, TYP.
13. PROVIDE WALL-TO-WALL EXPANSION JOINT (EJ) COVERS AT EXPOSED INTERIOR EJS AND AT EXPOSED INTERIOR SIDE OF EJS IN EXTERIOR WALLS, TYP. PROVIDE WALL-TO-FLOOR AND FLOOR-TO-FLOOR EJ COVERS AT EJS IN THE FLOOR, TYP. REFER STRUCT DOCUMENTS FOR BUILDING EXPANSION JOINT LOCATIONS.
14. APPLY BITUMINOUS COATING TO ALL CONCEALED STRUCTURAL MEMBERS AT EXTERIOR CANOPY CONSTRUCTION, TYP.
15. DIMENSIONS AT EXISTING WALLS ARE TO FACE OF WALL.
16. FIELD VERIFY EXISTING DIMENSIONS PRIOR TO BEGINNING WORK. NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES.
17. UNMARKED DOORS AND WINDOWS ARE EXISTING TO REMAIN.
18. PATCH AND REPAIR ANY EXISTING WALLS TO REMAIN TYP.
19. DIMENSIONS AT EXISTING WALLS ARE TO FACE OF WALL.
20. REPLACE EXISTING INSULATION AT EXISTING WALLS AS REQUIRED.
21. VERIFY LOCATIONS OF EXISTING EXPANSION JOINTS AND PROVIDE NEW COVERS IF NEW FLOORING OR WALL FINISHES ARE SCHEDULED.
22. PATCH AND REPAIR ALL SLAB AREAS AFFECTED BY DEMO PRIOR TO RECEIVING NEW WORK, REF TO STRUCTURE FOR SLAB INFILL DETAIL.
23. INFILL OPENINGS FROM DEMO SCOPE WITH SAME CONSTRUCTION AS ADJACENT WALLS, TYPICAL AT EXISTING CONCRETE TILT WALL OPENING INFILL TO BE METAL STUDS WITH 5/8" HIGH IMPACT GYP BD FINISHED TO MATCH ADJACENT TEXTURE UNLESS NOTED OTHERWISE.



A1 OVERALL FLOOR PLAN - LEVEL 1
1/32" = 1'-0"

A5 OVERALL FLOOR PLAN - LEVEL 2
1/32" = 1'-0"

Rev	By	Appd	Date
1	RR	GS	2022.10.14

FOR PERMIT, BID, CONSTRUCTION Issued By Appd 2022.10.14

Permit/Seal

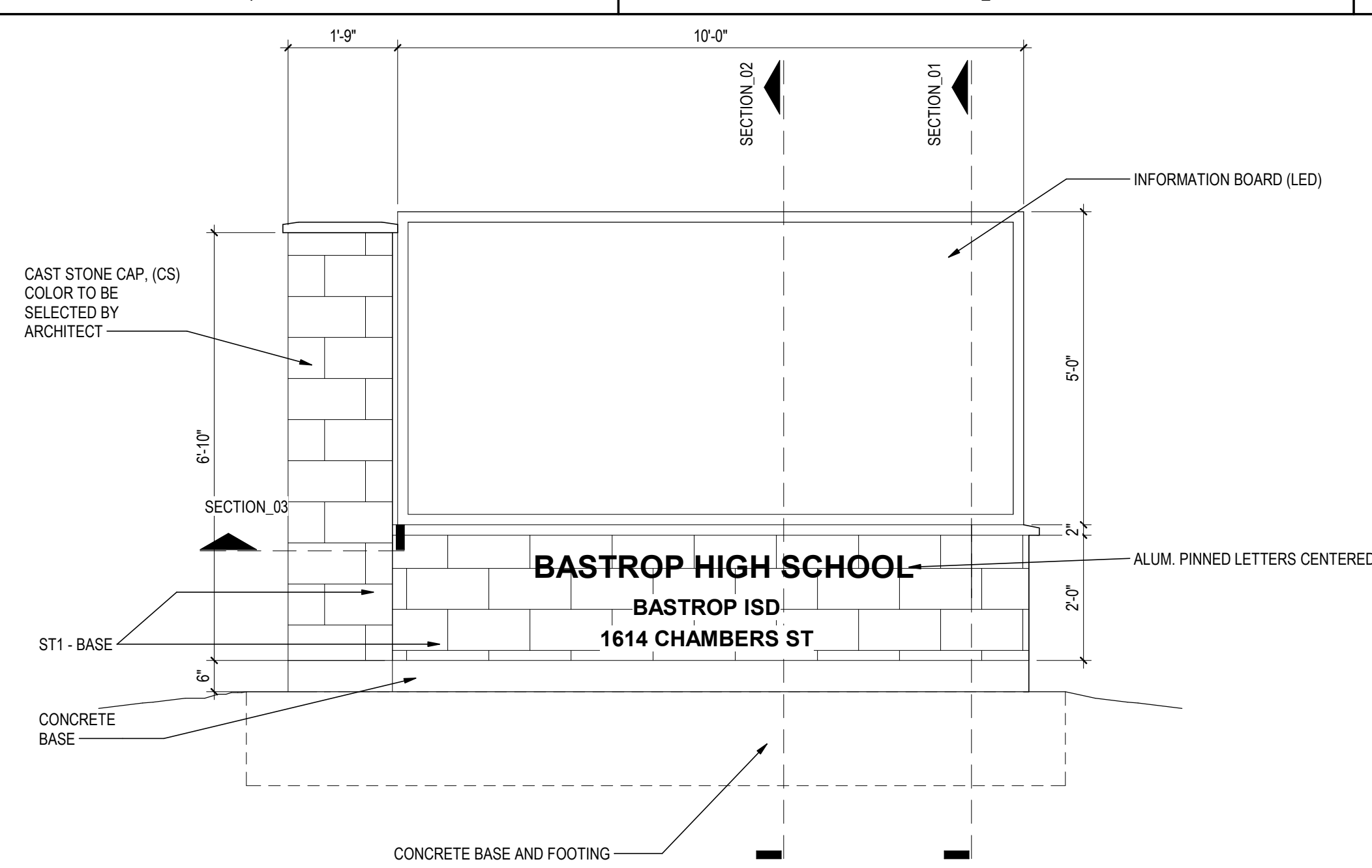


Client/Project
BASTROP I.S.D.

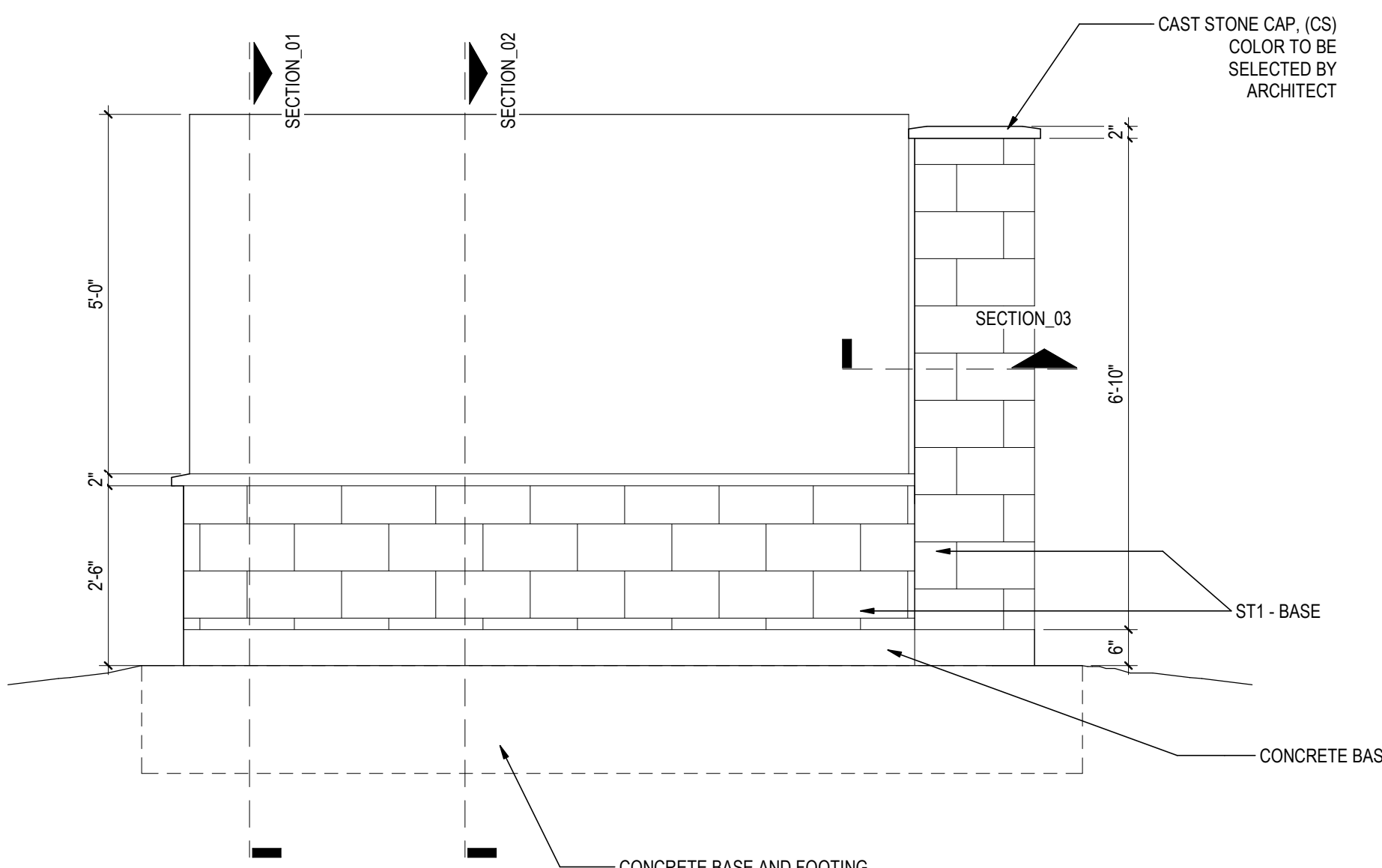
BASTROP HIGH SCHOOL ADDITIONS AND RENOVATIONS
1614 Chambers St
Bastrop, TX 78602

Title
COMPOSITE PLANS

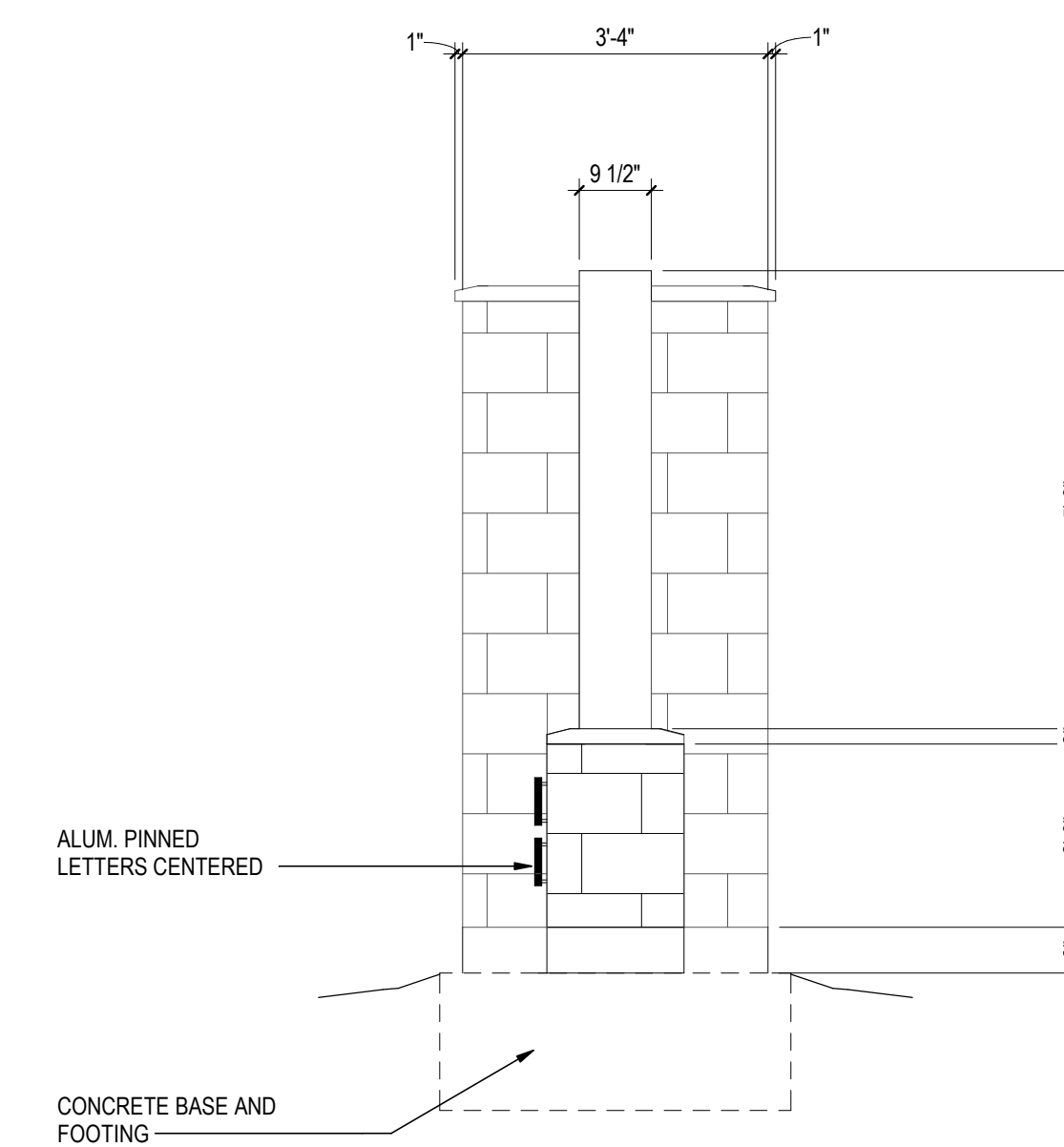
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Revision	Drawing No.
1	A101



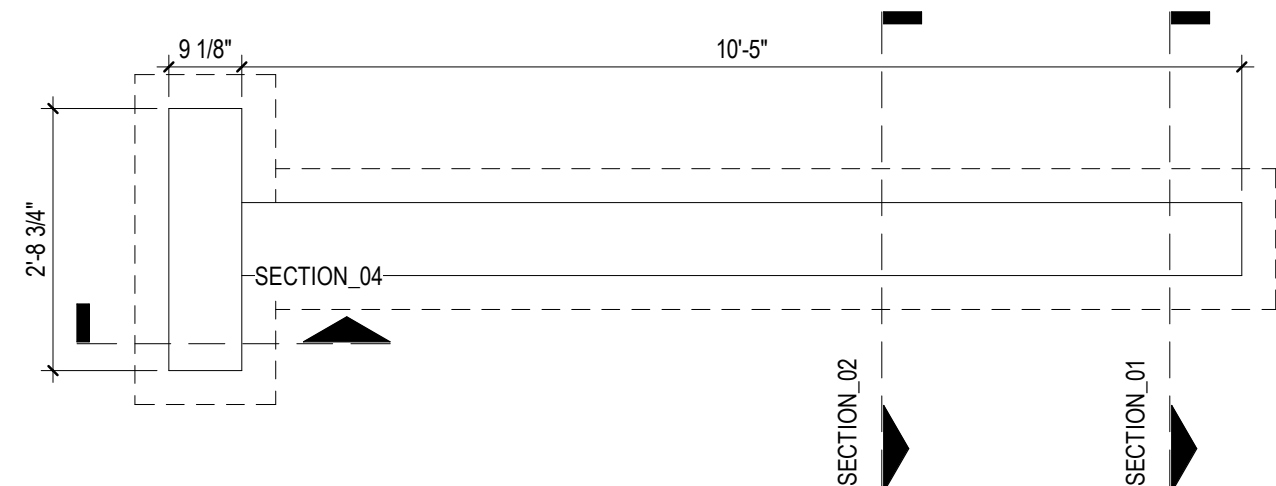
MARQUEE SIGN ELEVATION_FRONT



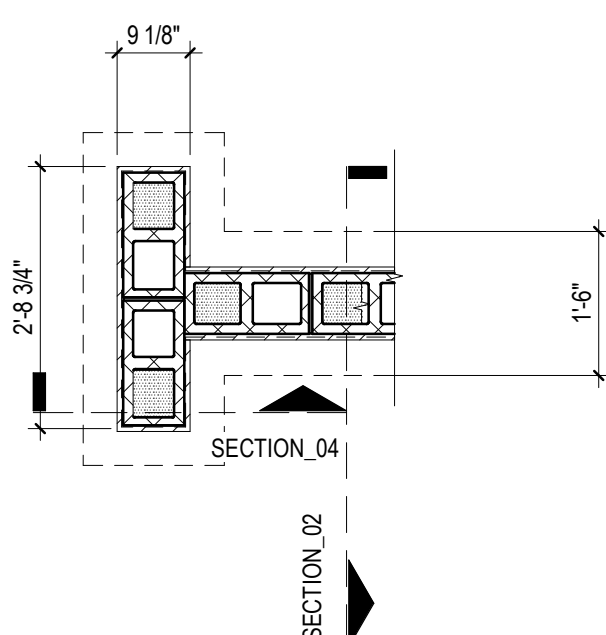
MARQUEE SIGN ELEVATION_BACK



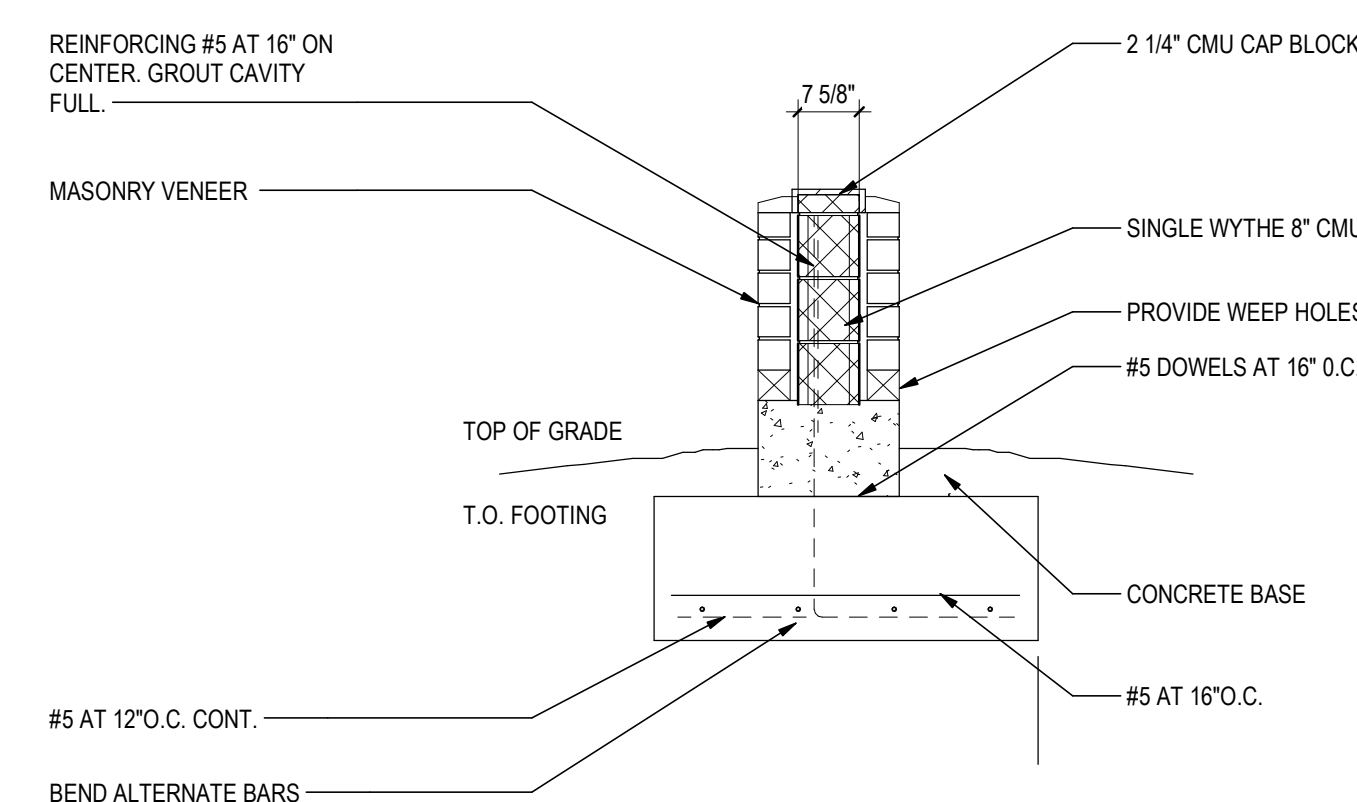
MARQUEE SIGN ELEVATION_01



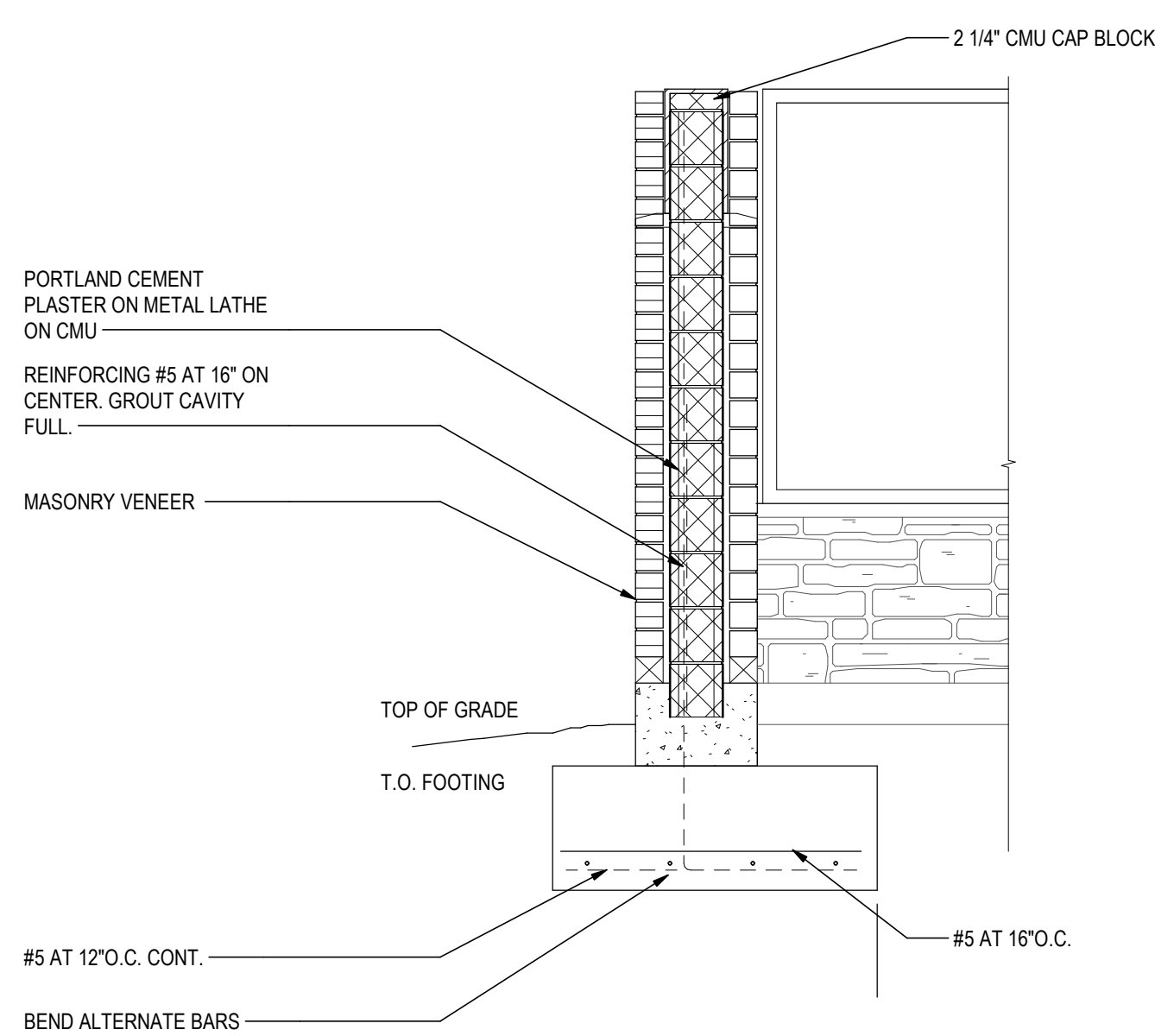
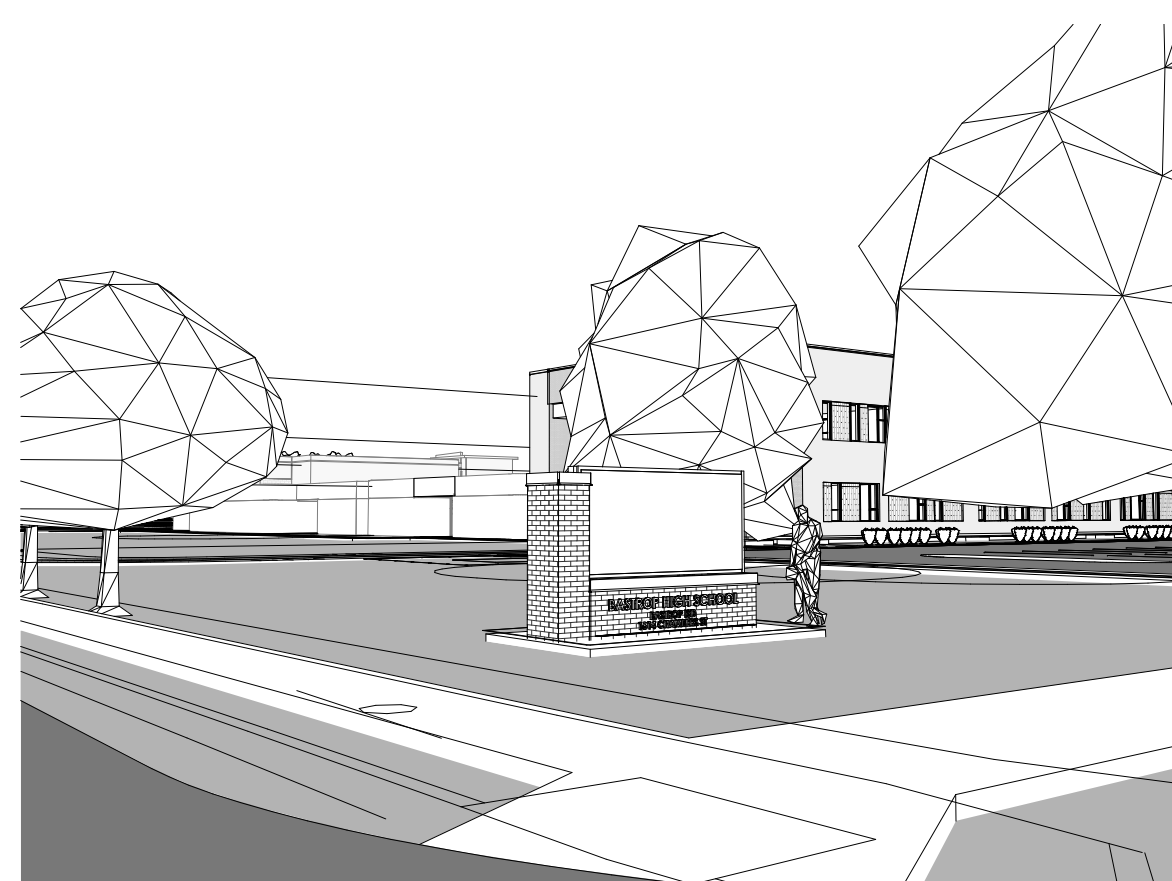
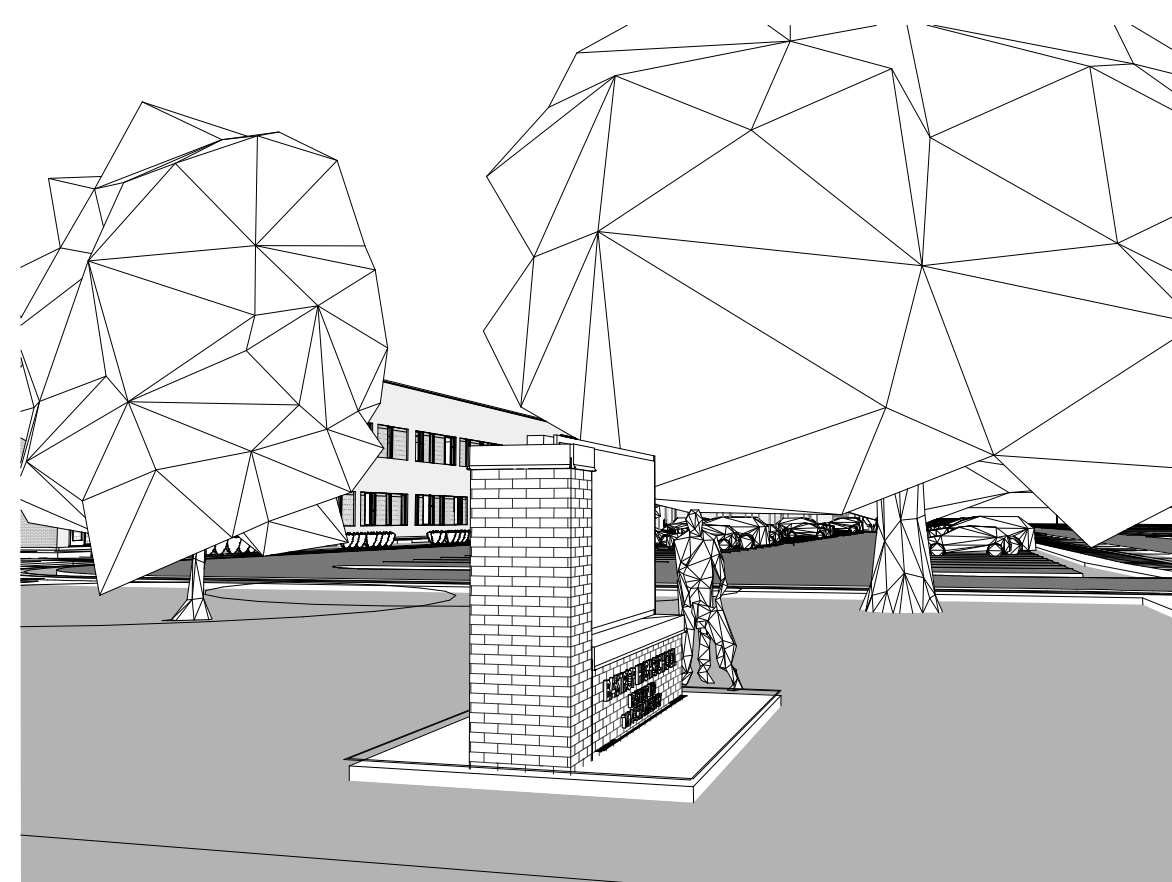
MARQUEE SIGN PLAN



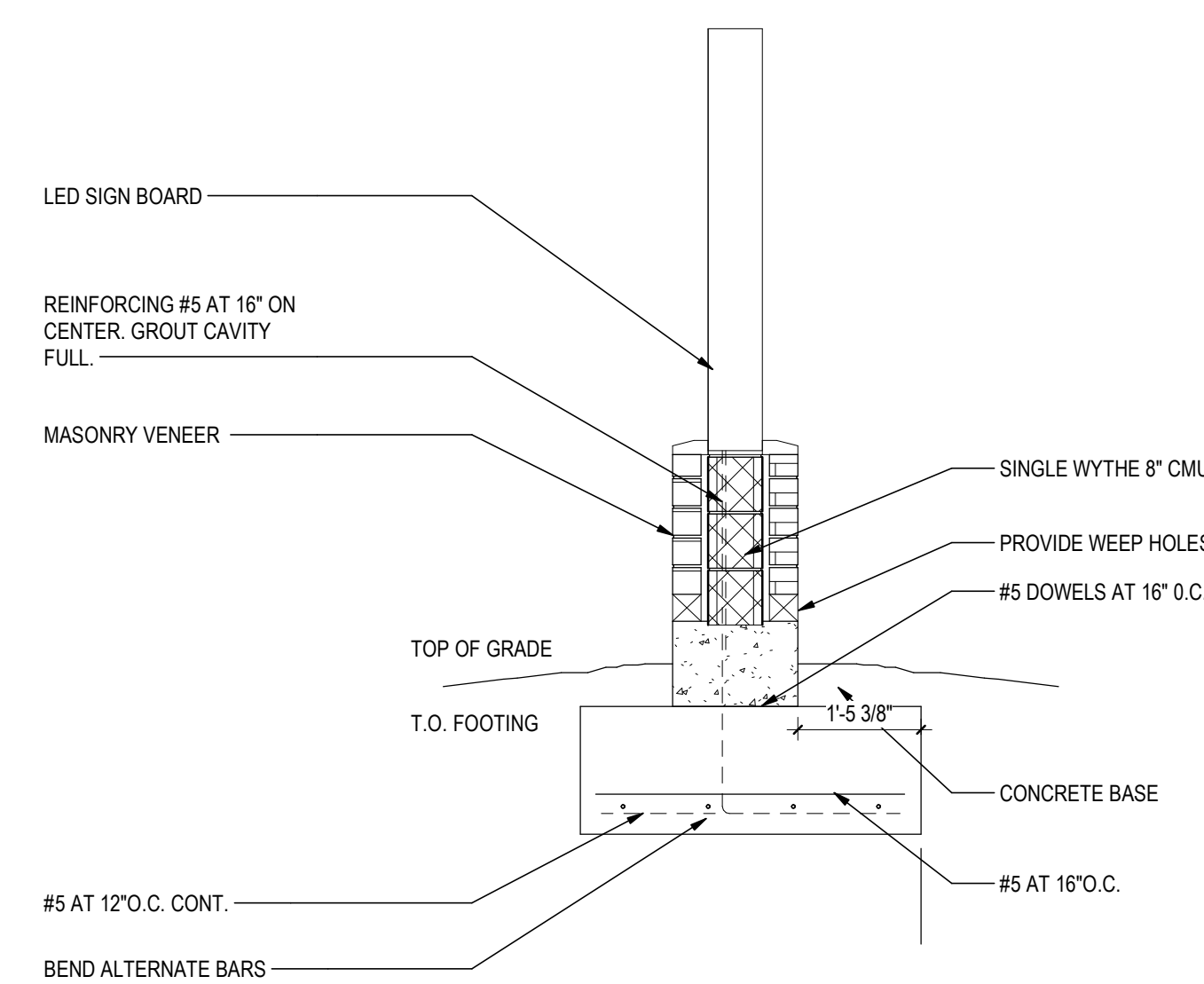
MARQUEE SECTION_03



MARQUEE SIGN SECTION_01



MARQUEE SIGN SECTION_04



MARQUEE SIGN SECTION_02

Revision	By	Appd	Date
1	RRI 065		2022.10.14

FOR PERMIT, BID, CONSTRUCTION Issued By Appd 2022.10.14 YYY YMM DD

Permit/Seal

Client/Project Logo



Client/Project BASTROP I.S.D.

BASTROP HIGH SCHOOL ADDITIONS AND RENOVATIONS
1614 Chambers St
Bastrop, TX 78602

Title MARQUEE SIGN V1

Project No. 214000952
Revision 1

Scale 1/2" = 1'-0"

Drawing No. AS001

The Galaxy® GT6x offers high-value Galaxy features combined with high-resolution 8 mm surface mount LED technology to provide high-quality images.

8 MM TECHNICAL SPECIFICATIONS

Character Height:

2" (7 pixel font)

Line Spacing:

8.13 mm (0.3")

Pixel Configuration:

3-in-1 SMD

Maximum Brightness:

8,000 nits

Full Color Capability:

281 trillion colors

Viewing Angle:

160 degrees horizontal x 70 degrees vertical

Min Viewing Distance:

18' (8 mm)



PRODUCT FEATURES

- All sealed components
- Quick connects
- Mounting clips
- High-contrast louvers
- Redundant module signal
- Large sections for fast installation
- Front ventilation on displays less than eight feet tall
- No spreader beam required for displays greater than eight feet tall
- Single-step module removal
- Shallow cabinet depth
- Narrow cabinet borders

MODEL NUMBER GUIDE

GT6x	-	90	x	135	-	8	-	RGB	-	SF
Series		Lines High		Columns Wide		Line Spacing		LED Color		Single Face or Two View

GT6x SERIES SPECIFICATIONS

Estimated LED Lifetime:

100,000+ hours

Contrast Enhancement:

Non-reflective black louvers and module face grooves disperse light

Message Capability:

Text, graphics, logos, basic animation, video clips, multiple font styles, and sizes

Control Software:

Venus® Control Suite

Power:

120, 120/240 VAC Single Phase

Display Dimming:

64 levels (Automatic, scheduled or manual control)

Communication Options:

Ethernet Fiber Optic, Ethernet Bridge Radio, Remote Cellular, Ethernet CAT5

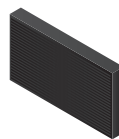
Operating Temperature:

-40°F to 120°F with 99% RH non-condensing

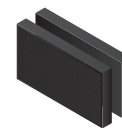
Compliance Information:

UL Listed, FCC compliance

DISPLAY CONFIGURATIONS



Single-face (SF)
Available in all sizes



Two-view (2V)
Available in all sizes

Lines x Columns	Sections/Ventilated	Cabinet Dimensions Feet-Inches H x W x D	Cabinet Dimensions Meters H x W x D	Cabinet Square Feet (Square Meters)	Active Area Square Feet (Square Meters)	Cabinet Weight Pounds (kilograms)	Lines/Characters per line	Character Height	Maximum Watts RGB
45x180	Sing/Ft	1'9" x 5'11" x 7"	0.53 x 1.54 x 0.18	8.6 (0.8)	5.8 (0.6)	65 (30)	5/36	2" - 14"	495
45x225	Sing/Ft	1'9" x 6'3" x 7"	0.53 x 1.91 x 0.18	10.7 (1.0)	7.2 (0.8)	80 (37)	5/45	2" - 14"	610
45x270	Sing/Ft	1'9" x 7'6" x 7"	0.53 x 2.28 x 0.18	12.7 (1.2)	8.7 (0.9)	95 (44)	5/54	2" - 14"	720
45x315	Sing/Ft	1'9" x 8'8" x 7"	0.53 x 2.64 x 0.18	14.8 (1.4)	10.1 (1.0)	110 (50)	5/63	2" - 14"	835
45x360	Sing/Ft	1'9" x 9'11" x 7"	0.53 x 3.01 x 0.18	16.8 (1.6)	11.6 (1.2)	125 (57)	5/72	2" - 14"	945
45x405	Sing/Ft	1'9" x 11'1" x 7"	0.53 x 3.37 x 0.18	18.8 (1.8)	13.0 (1.3)	140 (64)	5/81	2" - 14"	1060
45x450	Sing/Ft	1'9" x 12'3" x 7"	0.53 x 3.74 x 0.18	20.9 (1.9)	14.4 (1.5)	155 (71)	5/90	2" - 14"	1170
45x495	Sing/Ft	1'9" x 13'6" x 7"	0.53 x 4.1 x 0.18	22.9 (2.1)	15.9 (1.6)	170 (78)	5/99	2" - 14"	1285
45x540	Sing/Ft	1'9" x 14'8" x 7"	0.53 x 4.47 x 0.18	25.0 (2.3)	17.3 (1.8)	185 (84)	5/108	2" - 14"	1395
45x585	Sing/Ft	1'9" x 15'11" x 7"	0.53 x 4.84 x 0.18	27.0 (2.5)	18.8 (1.9)	200 (91)	5/117	2" - 14"	1510
45x630	Sing/Ft	1'9" x 17'1" x 7"	0.53 x 5.2 x 0.18	29.0 (2.7)	20.2 (2.1)	215 (98)	5/126	2" - 14"	1620
45x675	Sing/Ft	1'9" x 18'3" x 7"	0.53 x 5.57 x 0.18	31.1 (2.9)	21.6 (2.2)	230 (105)	5/135	2" - 14"	1735
45x720	Sing/Ft	1'9" x 19'6" x 7"	0.53 x 5.93 x 0.18	33.1 (3.1)	23.1 (2.4)	245 (112)	5/144	2" - 14"	1850
45x765	Sing/Ft	1'9" x 20'8" x 7"	0.53 x 6.3 x 0.18	35.2 (3.3)	24.5 (2.5)	260 (118)	5/153	2" - 14"	1960
45x810	Sing/Ft	1'9" x 21'11" x 7"	0.53 x 6.66 x 0.18	37.2 (3.5)	26.0 (2.6)	275 (125)	5/162	2" - 14"	2075
45x855	Sing/Ft	1'9" x 23'1" x 7"	0.53 x 7.03 x 0.18	39.2 (3.7)	27.4 (2.8)	290 (132)	5/171	2" - 14"	2185
45x900	Sing/Ft	1'9" x 24'3" x 7"	0.53 x 7.4 x 0.18	41.3 (3.8)	28.8 (3.0)	305 (139)	5/180	2" - 14"	2300
90x135	Sing/Ft	2'11" x 3'11" x 7"	0.89 x 1.18 x 0.18	11.2 (1.1)	8.7 (0.9)	90 (41)	11/27	2" - 28"	630
90x180	Sing/Ft	2'11" x 5'1" x 7"	0.89 x 1.54 x 0.18	14.6 (1.4)	11.6 (1.2)	125 (57)	11/36	2" - 28"	825
90x225	Sing/Ft	2'11" x 6'3" x 7"	0.89 x 1.91 x 0.18	18.1 (1.7)	14.4 (1.5)	155 (71)	11/45	2" - 28"	1020
90x270	Sing/Ft	2'11" x 7'6" x 7"	0.89 x 2.28 x 0.18	21.6 (2.0)	17.3 (1.8)	185 (84)	11/54	2" - 28"	1215
90x315	Sing/Ft	2'11" x 8'8" x 7"	0.89 x 2.64 x 0.18	25.1 (2.3)	20.2 (2.1)	215 (98)	11/63	2" - 28"	1410
90x360	Sing/Ft	2'11" x 9'11" x 7"	0.89 x 3.01 x 0.18	28.6 (2.7)	23.1 (2.4)	245 (112)	11/72	2" - 28"	1610
90x405	Sing/Ft	2'11" x 11'1" x 7"	0.89 x 3.37 x 0.18	32.0 (3.0)	26.0 (2.6)	275 (125)	11/81	2" - 28"	1805
90x450	Sing/Ft	2'11" x 12'3" x 7"	0.89 x 3.74 x 0.18	35.5 (3.3)	28.8 (3.0)	305 (139)	11/90	2" - 28"	2000
90x495	Sing/Ft	2'11" x 13'6" x 7"	0.89 x 4.1 x 0.18	39.0 (3.6)	31.7 (3.3)	335 (152)	11/99	2" - 28"	2195
90x540	Sing/Ft	2'11" x 14'8" x 7"	0.89 x 4.47 x 0.18	42.5 (4.0)	34.6 (3.5)	365 (166)	11/108	2" - 28"	2390
90x585	Sing/Ft	2'11" x 15'11" x 7"	0.89 x 4.84 x 0.18	46.0 (4.3)	37.5 (3.8)	395 (180)	11/117	2" - 28"	2585
90x630	Sing/Ft	2'11" x 17'1" x 7"	0.89 x 5.2 x 0.18	49.4 (4.6)	40.4 (4.2)	425 (193)	11/126	2" - 28"	2780
90x675	Sing/Ft	2'11" x 18'3" x 7"	0.89 x 5.57 x 0.18	52.9 (5.0)	43.2 (4.4)	455 (207)	11/135	2" - 28"	2975
90x720	Sing/Ft	2'11" x 19'6" x 7"	0.89 x 5.93 x 0.18	56.4 (5.3)	46.1 (4.7)	485 (220)	11/144	2" - 28"	3170
90x765	Sing/Ft	2'11" x 20'8" x 7"	0.89 x 6.3 x 0.18	59.9 (5.6)	49.0 (5.0)	515 (234)	11/153	2" - 28"	3365
90x810	Sing/Ft	2'11" x 21'11" x 7"	0.89 x 6.66 x 0.18	63.4 (5.9)	51.9 (5.3)	545 (248)	11/162	2" - 28"	3560
90x855	Sing/Ft	2'11" x 23'1" x 7"	0.89 x 7.03 x 0.18	66.8 (6.3)	54.8 (5.6)	575 (261)	11/171	2" - 28"	3755
90x900	Sing/Ft	2'11" x 24'3" x 7"	0.89 x 7.4 x 0.18	70.3 (6.6)	57.6 (5.9)	605 (275)	11/180	2" - 28"	3950
135x90	Sing/Ft	4'2" x 2'8" x 7"	1.25 x 0.81 x 0.18	10.9 (1.0)	8.7 (0.9)	95 (44)	16/18	2" - 43"	630
135x135	Sing/Ft	4'2" x 3'11" x 7"	1.25 x 1.18 x 0.18	15.8 (1.5)	13.0 (1.2)	140 (64)	16/27	2" - 43"	970
135x180	Sing/Ft	4'2" x 5'1" x 7"	1.25 x 1.54 x 0.18	20.7 (1.9)	17.3 (1.7)	185 (84)	16/36	2" - 43"	1275
135x225	Sing/Ft	4'2" x 6'3" x 7"	1.25 x 1.91 x 0.18	25.6 (2.4)	21.6 (2.1)	230 (105)	16/45	2" - 43"	1585
135x270	Sing/Ft	4'2" x 7'6" x 7"	1.25 x 2.28 x 0.18	30.5 (2.9)	26.0 (2.4)	275 (125)	16/54	2" - 43"	1895
135x315	Sing/Ft	4'2" x 8'8" x 7"	1.25 x 2.64 x 0.18	35.5 (3.3)	30.3 (2.9)	320 (146)	16/63	2" - 43"	2200
135x360	Sing/Ft	4'2" x 9'11" x 7"	1.25 x 3.01 x 0.18	40.4 (3.8)	34.6 (3.3)	365 (166)	16/72	2" - 43"	2510
135x405	Sing/Ft	4'2" x 11'1" x 7"	1.25 x 3.37 x 0.18	45.3 (4.2)	38.9 (3.6)	410 (186)	16/81	2" - 43"	2815
135x450	Sing/Ft	4'2" x 12'3" x 7"	1.25 x 3.74 x 0.18	50.2 (4.7)	43.2 (4.1)	455 (207)	16/90	2" - 43"	3125
135x495	Sing/Ft	4'2" x 13'6" x 7"	1.25 x 4.1 x 0.18	55.1 (5.1)	47.6 (4.5)	500 (227)	16/99	2" - 43"	3430
135x540	Sing/Ft	4'2" x 14'8" x 7"	1.25 x 4.47 x 0.18	60.1 (5.6)	51.9 (4.8)	545 (248)	16/108	2" - 43"	3740
135x585	Sing/Ft	4'2" x 15'11" x 7"	1.25 x 4.84 x 0.18	65.0 (6.1)	56.2 (5.3)	590 (268)	16/117	2" - 43"	4050
135x630	Sing/Ft	4'2" x 17'1" x 7"	1.25 x 5.2 x 0.18	69.9 (6.5)	60.5 (5.7)	635 (289)	16/126	2" - 43"	4355
135x675	Sing/Ft	4'2" x 18'3" x 7"	1.25 x 5.57 x 0.18	74.8 (7.0)	64.8 (6.1)	680 (309)	16/135	2" - 43"	4665
135x720	Sing/Ft	4'2" x 19'6" x 7"	1.25 x 5.93 x 0.18	79.7 (7.4)	69.2 (6.5)	725 (329)	16/144	2" - 43"	4970
135x765	Sing/Ft	4'2" x 20'8" x 7"	1.25 x 6.3 x 0.18	84.7 (7.9)	73.5 (6.9)	770 (350)	16/153	2" - 43"	5280
135x810	Sing/Ft	4'2" x 21'11" x 7"	1.25 x 6.66 x 0.18	89.6 (8.3)	77.8 (7.3)	815 (370)	16/162	2" - 43"	5585
135x855	Sing/Ft	4'2" x 23'1" x 7"	1.25 x 7.03 x 0.18	94.5 (8.8)	82.1 (7.7)	860 (391)	16/171	2" - 43"	5895
135x900	Sing/Ft	4'2" x 24'3" x 7"	1.25 x 7.4 x 0.18	99.4 (9.3)	86.4 (8.1)	905 (411)	16/180	2" - 43"	6200
180x90	Sing/Ft	5'4" x 2'8" x 7"	1.62 x 0.81 x 0.18	14.1 (1.3)	11.6 (1.2)	125 (57)	22/18	2" - 57"	825
180x135	Sing/Ft	5'4" x 3'11" x 7"	1.62 x 1.18 x 0.18	20.4 (1.9)	17.3 (1.7)	185 (84)	22/27	2" - 57"	1215
180x180	Sing/Ft	5'4" x 5'1" x 7"	1.62 x 1.54 x 0.18	26.8 (2.5)	23.1 (2.3)	245 (112)	22/36	2" - 57"	1610



Lines x Columns	Sections/Ventilated	Cabinet Dimensions Feet-Inches H x W x D	Cabinet Dimensions Meters H x W x D	Cabinet Square Feet (Square Meters)	Active Area Square Feet (Square Meters)	Cabinet Weight Pounds (kilograms)	Lines/Characters per line	Character Height	Maximum Watts RGB
180x225	Sing/Ft	5'4" x 6'3" x 7"	1.62 x 1.91 x 0.18	33.1 (3.1)	28.8 (2.9)	305 (139)	22/45	2" - 57"	2000
180x270	Sing/Ft	5'4" x 7'6" x 7"	1.62 x 2.28 x 0.18	39.5 (3.7)	34.6 (3.3)	365 (166)	22/54	2" - 57"	2390
180x315	Sing/Ft	5'4" x 8'8" x 7"	1.62 x 2.64 x 0.18	45.8 (4.3)	40.4 (3.9)	425 (193)	22/63	2" - 57"	2780
180x360	Sing/Ft	5'4" x 9'11" x 7"	1.62 x 3.01 x 0.18	52.2 (4.9)	46.1 (4.5)	485 (220)	22/72	2" - 57"	3170
180x405	Sing/Ft	5'4" x 11'1" x 7"	1.62 x 3.37 x 0.18	58.6 (5.5)	51.9 (5.0)	545 (248)	22/81	2" - 57"	3560
180x450	Sing/Ft	5'4" x 12'3" x 7"	1.62 x 3.74 x 0.18	64.9 (6.1)	57.6 (5.6)	605 (275)	22/90	2" - 57"	3950
180x495	Sing/Ft	5'4" x 13'6" x 7"	1.62 x 4.1 x 0.18	71.3 (6.6)	63.4 (6.2)	665 (302)	22/99	2" - 57"	4340
180x540	Sing/Ft	5'4" x 14'8" x 7"	1.62 x 4.47 x 0.18	77.6 (7.2)	69.2 (6.6)	725 (329)	22/108	2" - 57"	4730
180x585	Sing/Ft	5'4" x 15'11" x 7"	1.62 x 4.84 x 0.18	84.0 (7.8)	74.9 (7.2)	785 (357)	22/117	2" - 57"	5120
180x630	Sing/Ft	5'4" x 17'1" x 7"	1.62 x 5.2 x 0.18	90.4 (8.4)	80.7 (7.8)	845 (384)	22/126	2" - 57"	5510
180x675	Sing/Ft	5'4" x 18'3" x 7"	1.62 x 5.57 x 0.18	96.7 (9.0)	86.4 (8.3)	905 (411)	22/135	2" - 57"	5900
180x720	Sing/Ft	5'4" x 19'6" x 7"	1.62 x 5.93 x 0.18	103.1 (9.6)	92.2 (8.9)	965 (438)	22/144	2" - 57"	6295
180x765	Sing/Ft	5'4" x 20'8" x 7"	1.62 x 6.3 x 0.18	109.4 (10.2)	98.0 (9.5)	1030 (468)	22/153	2" - 57"	6685
180x810	Sing/Ft	5'4" x 21'11" x 7"	1.62 x 6.66 x 0.18	115.8 (10.8)	103.7 (9.9)	1090 (495)	22/162	2" - 57"	7075
180x855	Sing/Ft	5'4" x 23'1" x 7"	1.62 x 7.03 x 0.18	122.2 (11.4)	109.5 (10.5)	1150 (522)	22/171	2" - 57"	7465
180x900	Sing/Ft	5'4" x 24'3" x 7"	1.62 x 7.4 x 0.18	128.5 (12.0)	115.2 (11.1)	1210 (549)	22/180	2" - 57"	7855
225x90	Sing/Ft	6'6" x 2'8" x 7"	1.99 x 0.81 x 0.18	17.3 (1.6)	14.4 (1.5)	155 (71)	28/18	2" - 71"	1020
225x135	Sing/Ft	6'6" x 3'11" x 7"	1.99 x 1.18 x 0.18	25.0 (2.3)	21.6 (2.1)	230 (105)	28/27	2" - 72"	1465
225x180	Sing/Ft	6'6" x 5'1" x 7"	1.99 x 1.54 x 0.18	32.8 (3.1)	28.8 (2.9)	305 (139)	28/36	2" - 72"	1940
225x225	Sing/Ft	6'6" x 6'3" x 7"	1.99 x 1.91 x 0.18	40.6 (3.8)	36.0 (3.6)	380 (173)	28/45	2" - 72"	2410
225x270	Sing/Ft	6'6" x 7'6" x 7"	1.99 x 2.28 x 0.18	48.4 (4.5)	43.2 (4.2)	455 (207)	28/54	2" - 72"	2885
225x315	Sing/Ft	6'6" x 8'8" x 7"	1.99 x 2.64 x 0.18	56.2 (5.3)	50.4 (4.9)	530 (241)	28/63	2" - 72"	3355
225x360	Sing/Ft	6'6" x 9'11" x 7"	1.99 x 3.01 x 0.18	64.0 (6.0)	57.6 (5.7)	605 (275)	28/72	2" - 72"	3830
225x405	Sing/Ft	6'6" x 11'1" x 7"	1.99 x 3.37 x 0.18	71.8 (6.7)	64.8 (6.3)	680 (309)	28/81	2" - 72"	4305
225x450	Sing/Ft	6'6" x 12'3" x 7"	1.99 x 3.74 x 0.18	79.6 (7.4)	72.0 (7.0)	755 (343)	28/90	2" - 72"	4775
225x495	Sing/Ft	6'6" x 13'6" x 7"	1.99 x 4.1 x 0.18	87.4 (8.2)	79.2 (7.8)	830 (377)	28/99	2" - 72"	5250
225x540	Sing/Ft	6'6" x 14'8" x 7"	1.99 x 4.47 x 0.18	95.2 (8.9)	86.4 (8.4)	905 (411)	28/108	2" - 72"	5720
225x585	Sing/Ft	6'6" x 15'11" x 7"	1.99 x 4.84 x 0.18	103.0 (9.6)	93.6 (9.1)	980 (445)	28/117	2" - 72"	6195
225x630	Sing/Ft	6'6" x 17'1" x 7"	1.99 x 5.2 x 0.18	110.8 (10.3)	100.8 (9.9)	1060 (481)	28/126	2" - 72"	6670
225x675	Sing/Ft	6'6" x 18'3" x 7"	1.99 x 5.57 x 0.18	118.6 (11.1)	108.0 (10.5)	1135 (515)	28/135	2" - 72"	7140
225x720	Sing/Ft	6'6" x 19'6" x 7"	1.99 x 5.93 x 0.18	126.4 (11.8)	115.2 (11.2)	1210 (549)	28/144	2" - 72"	7615
225x765	Sing/Ft	6'6" x 20'8" x 7"	1.99 x 6.3 x 0.18	134.2 (12.5)	122.4 (12.0)	1285 (583)	28/153	2" - 72"	8090
225x810	Sing/Ft	6'6" x 21'11" x 7"	1.99 x 6.66 x 0.18	142.0 (13.3)	129.6 (12.5)	1360 (617)	28/162	2" - 72"	8560
225x855	Sing/Ft	6'6" x 23'1" x 7"	1.99 x 7.03 x 0.18	149.8 (14.0)	136.8 (13.3)	1435 (651)	28/171	2" - 72"	9035
225x900	Sing/Ft	6'6" x 24'3" x 7"	1.99 x 7.4 x 0.18	157.6 (14.7)	144.0 (14.1)	1510 (685)	28/180	2" - 72"	9505
270x90	Sing/Ft	7'9" x 2'8" x 7"	2.35 x 0.81 x 0.18	20.5 (1.9)	17.3 (1.8)	185 (84)	33/18	2" - 86"	1215
270x135	Sing/Ft	7'9" x 3'11" x 7"	2.35 x 1.18 x 0.18	29.6 (2.8)	26.0 (2.4)	275 (125)	33/27	2" - 86"	1715
270x180	Sing/Ft	7'9" x 5'1" x 7"	2.35 x 1.54 x 0.18	38.9 (3.6)	34.6 (3.3)	365 (166)	33/36	2" - 86"	2270
270x225	Sing/Ft	7'9" x 6'3" x 7"	2.35 x 1.91 x 0.18	48.1 (4.5)	43.2 (4.2)	455 (207)	33/45	2" - 86"	2825
270x270	Sing/Ft	7'9" x 7'6" x 7"	2.35 x 2.28 x 0.18	57.4 (5.4)	51.9 (4.8)	545 (248)	33/54	2" - 86"	3380
270x315	Sing/Ft	7'9" x 8'8" x 7"	2.35 x 2.64 x 0.18	66.6 (6.2)	60.5 (5.7)	635 (289)	33/63	2" - 86"	3935
270x360	Sing/Ft	7'9" x 9'11" x 7"	2.35 x 3.01 x 0.18	75.8 (7.1)	69.2 (6.6)	725 (329)	33/72	2" - 86"	4490
270x405	Sing/Ft	7'9" x 11'1" x 7"	2.35 x 3.37 x 0.18	85.1 (7.9)	77.8 (7.3)	815 (370)	33/81	2" - 86"	5045
270x450	Sing/Ft	7'9" x 12'3" x 7"	2.35 x 3.74 x 0.18	94.3 (8.8)	86.4 (8.1)	905 (411)	33/90	2" - 86"	5600
270x495	Sing/Ft	7'9" x 13'6" x 7"	2.35 x 4.1 x 0.18	103.6 (9.6)	95.1 (9.0)	995 (452)	33/99	2" - 86"	6160
270x540	Sing/Ft	7'9" x 14'8" x 7"	2.35 x 4.47 x 0.18	112.8 (10.5)	103.7 (9.7)	1090 (495)	33/108	2" - 86"	6715
270x585	Sing/Ft	7'9" x 15'11" x 7"	2.35 x 4.84 x 0.18	122.0 (11.4)	112.4 (10.6)	1180 (536)	33/117	2" - 86"	7270
270x630	Sing/Ft	7'9" x 17'1" x 7"	2.35 x 5.2 x 0.18	131.3 (12.2)	121.0 (11.4)	1270 (577)	33/126	2" - 86"	7825
270x675	Sing/Ft	7'9" x 18'3" x 7"	2.35 x 5.57 x 0.18	140.5 (13.1)	129.6 (12.1)	1360 (617)	33/135	2" - 86"	8380
270x720	Sing/Ft	7'9" x 19'6" x 7"	2.35 x 5.93 x 0.18	149.8 (13.9)	138.3 (13.0)	1450 (658)	33/144	2" - 86"	8935
270x765	Sing/Ft	7'9" x 20'8" x 7"	2.35 x 6.3 x 0.18	159.0 (14.8)	146.9 (13.9)	1540 (699)	33/153	2" - 86"	9490
270x810	Sing/Ft	7'9" x 21'11" x 7"	2.35 x 6.66 x 0.18	168.2 (15.7)	155.6 (14.5)	1630 (740)	33/162	2" - 86"	10050
270x855	Sing/Ft	7'9" x 23'1" x 7"	2.35 x 7.03 x 0.18	177.5 (16.5)	164.2 (15.4)	1720 (781)	33/171	2" - 86"	10605
270x900	Sing/Ft	7'9" x 24'3" x 7"	2.35 x 7.4 x 0.18	186.7 (17.4)	172.8 (16.3)	1810 (822)	33/180	2" - 86"	11160
315x180	Sing/Bk	8'11" x 5'4" x 11"	2.72 x 1.62 x 0.28	47.2 (4.4)	40.4 (3.9)	690 (313)	39/36	2" - 100"	2480
315x225	Sing/Bk	8'11" x 6'6" x 11"	2.72 x 1.99 x 0.28	57.9 (5.4)	50.4 (4.9)	780 (354)	39/45	2" - 100"	3055
315x270	Sing/Bk	8'11" x 7'9" x 11"	2.72 x 2.35 x 0.28	68.6 (6.4)	60.5 (5.7)	870 (395)	39/54	2" - 100"	3635



Lines x Columns	Sections/Ventilated	Cabinet Dimensions Feet-Inches H x W x D	Cabinet Dimensions Meters H x W x D	Cabinet Square Feet (Square Meters)	Active Area Square Feet (Square Meters)	Cabinet Weight Pounds (kilograms)	Lines/Characters per line	Character Height	Maximum Watts RGB
315x315	Sing/Bk	8'11" x 8'11" x 11"	2.72 x 2.72 x 0.28	79.3 (7.4)	70.6 (6.8)	985 (447)	39/63	2" - 100"	4275
315x360	Sing/Bk	8'11" x 10'2" x 11"	2.72 x 3.08 x 0.28	89.9 (8.4)	80.7 (7.8)	1075 (488)	39/72	2" - 100"	4850
315x405	Sing/Bk	8'11" x 11'4" x 11"	2.72 x 3.45 x 0.28	100.6 (9.4)	90.8 (8.6)	1165 (529)	39/81	2" - 100"	5430
315x450	Sing/Bk	8'11" x 12'6" x 11"	2.72 x 3.81 x 0.28	111.3 (10.4)	100.8 (9.6)	1285 (583)	39/90	2" - 100"	6070
315x495	Sing/Bk	8'11" x 13'9" x 11"	2.72 x 4.18 x 0.28	122 (11.4)	110.9 (10.7)	1375 (624)	39/99	2" - 100"	7185
315x540	Sing/Bk	8'11" x 14'11" x 11"	2.72 x 4.55 x 0.28	132.7 (12.4)	121 (11.4)	1460 (663)	39/108	2" - 100"	7765
315x585	Sing/Bk	8'11" x 16'2" x 11"	2.72 x 4.91 x 0.28	143.3 (13.4)	131.1 (12.5)	1580 (717)	39/117	2" - 100"	8405
315x630	Sing/Bk	8'11" x 17'4" x 11"	2.72 x 5.28 x 0.28	154 (14.4)	141.2 (13.5)	1670 (758)	39/126	2" - 100"	8980
315x675	Sing/Bk	8'11" x 18'6" x 11"	2.72 x 5.64 x 0.28	164.7 (15.3)	151.2 (14.3)	1760 (799)	39/135	2" - 100"	9560
315x720	Sing/Bk	8'11" x 19'9" x 11"	2.72 x 6.01 x 0.28	175.4 (16.3)	161.3 (15.3)	1875 (851)	39/144	2" - 100"	10200
315x765	Sing/Bk	8'11" x 20'11" x 11"	2.72 x 6.38 x 0.28	186.1 (17.4)	171.4 (16.4)	1965 (892)	39/153	2" - 100"	10775
315x810	Sing/Bk	8'11" x 22'2" x 11"	2.72 x 6.74 x 0.28	196.7 (18.3)	181.5 (17.2)	2055 (933)	39/162	2" - 100"	11355
315x855	Sing/Bk	8'11" x 23'4" x 11"	2.72 x 7.11 x 0.28	207.4 (19.3)	191.6 (18.2)	2275 (1032)	39/171	2" - 100"	11995
315x900	Sing/Bk	8'11" x 24'6" x 11"	2.72 x 7.47 x 0.28	218.1 (20.3)	201.6 (19.2)	2360 (1071)	39/180	2" - 100"	12570
315x945	Sing/Bk	8'11" x 25'9" x 11"	2.72 x 7.84 x 0.28	228.8 (21.3)	211.7 (20.0)	2450 (1112)	39/189	2" - 100"	13150
315x990	Sing/Bk	8'11" x 26'11" x 11"	2.72 x 8.2 x 0.28	239.5 (22.3)	221.8 (21.1)	2570 (1166)	39/198	2" - 100"	13790
315x1035	Sing/Bk	8'11" x 28'2" x 11"	2.72 x 8.57 x 0.28	250.1 (23.3)	231.9 (22.1)	2660 (1207)	39/207	2" - 100"	14365
315x1080	Sing/Bk	8'11" x 29'4" x 11"	2.72 x 8.94 x 0.28	260.8 (24.3)	242 (22.9)	2745 (1246)	39/216	2" - 100"	14945
315x1125	Sing/Bk	8'11" x 30'6" x 11"	2.72 x 9.3 x 0.28	271.5 (25.3)	252 (23.9)	2865 (1300)	39/225	2" - 100"	15580
315x1170	Sing/Bk	8'11" x 31'9" x 11"	2.72 x 9.67 x 0.28	282.2 (26.3)	262.1 (25.0)	2955 (1341)	39/234	2" - 100"	16160
315x1215	Sing/Bk	8'11" x 32'11" x 11"	2.72 x 10.03 x 0.28	292.9 (27.3)	272.2 (25.7)	3045 (1382)	39/243	2" - 100"	16740
315x1260	Sing/Bk	8'11" x 34'2" x 11"	2.72 x 10.4 x 0.28	303.5 (28.3)	282.3 (26.8)	3160 (1434)	39/252	2" - 100"	17375
315x1305	Sing/Bk	8'11" x 35'4" x 11"	2.72 x 10.76 x 0.28	314.2 (29.3)	292.4 (27.8)	3250 (1475)	39/261	2" - 100"	17955
315x1350	Sing/Bk	8'11" x 36'6" x 11"	2.72 x 11.13 x 0.28	324.9 (30.3)	302.4 (28.6)	3340 (1515)	39/270	2" - 100"	18535
315x1395	Sing/Bk	8'11" x 37'9" x 11"	2.72 x 11.5 x 0.28	335.6 (31.3)	312.5 (29.6)	3455 (1568)	39/279	2" - 100"	19170
360x180	Sing/Bk	10'2" x 5'4" x 11"	3.08 x 1.62 x 0.28	53.6 (5.0)	46.1 (4.5)	745 (338)	45/36	2" - 115"	2810
360x225	Sing/Bk	10'2" x 6'6" x 11"	3.08 x 1.99 x 0.28	65.7 (6.1)	57.6 (5.7)	840 (382)	45/45	2" - 115"	3470
360x270	Sing/Bk	10'2" x 7'9" x 11"	3.08 x 2.35 x 0.28	77.8 (7.2)	69.2 (6.6)	935 (425)	45/54	2" - 115"	4130
360x315	Sing/Bk	10'2" x 8'11" x 11"	3.08 x 2.72 x 0.28	89.9 (8.4)	80.7 (7.8)	1065 (484)	45/63	2" - 115"	4850
360x360	Sing/Bk	10'2" x 10'2" x 11"	3.08 x 3.08 x 0.28	102.1 (9.5)	92.2 (9.0)	1160 (527)	45/72	2" - 115"	5515
360x405	Sing/Bk	10'2" x 11'4" x 11"	3.08 x 3.45 x 0.28	114.2 (10.6)	103.7 (9.9)	1260 (572)	45/81	2" - 115"	6175
360x450	Sing/Bk	10'2" x 12'6" x 11"	3.08 x 3.81 x 0.28	126.3 (11.7)	115.2 (11.1)	1385 (629)	45/90	2" - 115"	7435
360x495	Sing/Bk	10'2" x 13'9" x 11"	3.08 x 4.18 x 0.28	138.4 (12.9)	126.8 (12.3)	1485 (674)	45/99	2" - 115"	8095
360x540	Sing/Bk	10'2" x 14'11" x 11"	3.08 x 4.55 x 0.28	150.5 (14.0)	138.3 (13.2)	1580 (717)	45/108	2" - 115"	8755
360x585	Sing/Bk	10'2" x 16'2" x 11"	3.08 x 4.91 x 0.28	162.7 (15.1)	149.8 (14.4)	1710 (776)	45/117	2" - 115"	9475
360x630	Sing/Bk	10'2" x 17'4" x 11"	3.08 x 5.28 x 0.28	174.8 (16.3)	161.3 (15.6)	1805 (819)	45/126	2" - 115"	10140
360x675	Sing/Bk	10'2" x 18'6" x 11"	3.08 x 5.64 x 0.28	186.9 (17.4)	172.8 (16.5)	1900 (862)	45/135	2" - 115"	10800
360x720	Sing/Bk	10'2" x 19'9" x 11"	3.08 x 6.01 x 0.28	199 (18.5)	184.4 (17.7)	2030 (921)	45/144	2" - 115"	11520
360x765	Sing/Bk	10'2" x 20'11" x 11"	3.08 x 6.38 x 0.28	211.1 (19.7)	195.9 (18.9)	2240 (1017)	45/153	2" - 115"	12180
360x810	Sing/Bk	10'2" x 22'2" x 11"	3.08 x 6.74 x 0.28	223.3 (20.8)	207.4 (19.8)	2335 (1060)	45/162	2" - 115"	12840
360x855	Sing/Bk	10'2" x 23'4" x 11"	3.08 x 7.11 x 0.28	235.4 (21.9)	218.9 (21.0)	2465 (1119)	45/171	2" - 115"	13560
360x900	Sing/Bk	10'2" x 24'6" x 11"	3.08 x 7.47 x 0.28	247.5 (23.0)	230.4 (22.2)	2560 (1162)	45/180	2" - 115"	14225
360x945	Sing/Bk	10'2" x 25'9" x 11"	3.08 x 7.84 x 0.28	259.6 (24.1)	242 (23.1)	2655 (1205)	45/189	2" - 115"	14885
360x990	Sing/Bk	10'2" x 26'11" x 11"	3.08 x 8.2 x 0.28	271.7 (25.3)	253.5 (24.3)	2785 (1264)	45/198	2" - 115"	15605
360x1035	Sing/Bk	10'2" x 28'2" x 11"	3.08 x 8.57 x 0.28	283.9 (26.4)	265 (25.5)	2880 (1307)	45/207	2" - 115"	16265
360x1080	Sing/Bk	10'2" x 29'4" x 11"	3.08 x 8.94 x 0.28	296 (27.5)	276.5 (26.4)	2980 (1352)	45/216	2" - 115"	16925
360x1125	Sing/Bk	10'2" x 30'6" x 11"	3.08 x 9.3 x 0.28	308.1 (28.6)	288 (27.6)	3105 (1409)	45/225	2" - 115"	17650
360x1170	Sing/Bk	10'2" x 31'9" x 11"	3.08 x 9.67 x 0.28	320.2 (29.8)	299.6 (28.8)	3205 (1454)	45/234	2" - 115"	18310
360x1215	Sing/Bk	10'2" x 32'11" x 11"	3.08 x 10.03 x 0.28	332.3 (30.9)	311.1 (29.7)	3300 (1497)	45/243	2" - 115"	18970
360x1260	Sing/Bk	10'2" x 34'2" x 11"	3.08 x 10.4 x 0.28	344.5 (32.0)	322.6 (30.9)	3430 (1556)	45/252	2" - 115"	19690
360x1305	Sing/Bk	10'2" x 35'4" x 11"	3.08 x 10.76 x 0.28	356.6 (33.1)	334.1 (32.1)	3525 (1599)	45/261	2" - 115"	20350
360x1350	Sing/Bk	10'2" x 36'6" x 11"	3.08 x 11.13 x 0.28	368.7 (34.3)	345.6 (33.0)	3620 (1643)	45/270	2" - 115"	21010
360x1395	Sing/Bk	10'2" x 37'9" x 11"	3.08 x 11.5 x 0.28	380.8 (35.4)	357.2 (34.2)	3750 (1701)	45/279	2" - 115"	21735
405x180	Multi/Bk	11'4" x 5'4" x 11"	3.45 x 1.62 x 0.28	59.9 (5.6)	51.9 (5.0)	960 (436)	50/36	2" - 129"	3260
405x225	Multi/Bk	11'4" x 6'6" x 11"	3.45 x 1.99 x 0.28	73.5 (6.9)	64.8 (6.3)	1080 (490)	50/45	2" - 129"	4005
405x270	Multi/Bk	11'4" x 7'9" x 11"	3.45 x 2.35 x 0.28	87.1 (8.1)	77.8 (7.3)	1195 (543)	50/54	2" - 129"	4745
405x315	Multi/Bk	11'4" x 8'11" x 11"	3.45 x 2.72 x 0.28	100.6 (9.4)	90.8 (8.6)	1360 (617)	50/63	2" - 129"	5610



Lines x Columns	Sections/Ventilated	Cabinet Dimensions Feet-Inches H x W x D	Cabinet Dimensions Meters H x W x D	Cabinet Square Feet (Square Meters)	Active Area Square Feet (Square Meters)	Cabinet Weight Pounds (kilograms)	Lines/Characters per line	Character Height	Maximum Watts RGB
405x360	Multi/Bk	11'4" x 10'2" x 11"	3.45 x 3.08 x 0.28	114.2 (10.6)	103.7 (9.9)	1480 (672)	50/72	2" - 129"	6355
405x405	Multi/Bk	11'4" x 11'4" x 11"	3.45 x 3.45 x 0.28	127.7 (11.9)	116.7 (10.9)	1595 (724)	50/81	2" - 129"	7095
405x450	Multi/Bk	11'4" x 12'6" x 11"	3.45 x 3.81 x 0.28	141.3 (13.1)	129.6 (12.2)	1760 (799)	50/90	2" - 129"	7960
405x495	Multi/Bk	11'4" x 13'9" x 11"	3.45 x 4.18 x 0.28	154.9 (14.4)	142.6 (13.5)	1880 (853)	50/99	2" - 129"	8705
405x540	Multi/Bk	11'4" x 14'11" x 11"	3.45 x 4.55 x 0.28	168.4 (15.7)	155.6 (14.5)	1995 (905)	50/108	2" - 129"	9450
405x585	Multi/Bk	11'4" x 16'2" x 11"	3.45 x 4.91 x 0.28	182 (16.9)	168.5 (15.8)	2160 (980)	50/117	2" - 129"	10310
405x630	Multi/Bk	11'4" x 17'4" x 11"	3.45 x 5.28 x 0.28	195.5 (18.2)	181.5 (17.2)	2280 (1035)	50/126	2" - 129"	11055
405x675	Multi/Bk	11'4" x 18'6" x 11"	3.45 x 5.64 x 0.28	209.1 (19.5)	194.4 (18.2)	2395 (1087)	50/135	2" - 129"	12340
405x720	Multi/Bk	11'4" x 19'9" x 11"	3.45 x 6.01 x 0.28	222.7 (20.7)	207.4 (19.5)	2560 (1162)	50/144	2" - 129"	13200
405x765	Multi/Bk	11'4" x 20'11" x 11"	3.45 x 6.38 x 0.28	236.2 (22.0)	220.4 (20.8)	2680 (1216)	50/153	2" - 129"	13945
405x810	Multi/Bk	11'4" x 22'2" x 11"	3.45 x 6.74 x 0.28	249.8 (23.3)	233.3 (21.8)	2795 (1268)	50/162	2" - 129"	14690
405x855	Multi/Bk	11'4" x 23'4" x 11"	3.45 x 7.11 x 0.28	263.3 (24.5)	246.3 (23.1)	2960 (1343)	50/171	2" - 129"	15555
405x900	Multi/Bk	11'4" x 24'6" x 11"	3.45 x 7.47 x 0.28	276.9 (25.8)	259.2 (24.4)	3080 (1398)	50/180	2" - 129"	16295
405x945	Multi/Bk	11'4" x 25'9" x 11"	3.45 x 7.84 x 0.28	290.5 (27.0)	272.2 (25.4)	3195 (1450)	50/189	2" - 129"	17040
405x990	Multi/Bk	11'4" x 26'11" x 11"	3.45 x 8.2 x 0.28	304 (28.3)	285.2 (26.7)	3380 (1534)	50/198	2" - 129"	17905
405x1035	Multi/Bk	11'4" x 28'2" x 11"	3.45 x 8.57 x 0.28	317.6 (29.6)	298.1 (28.1)	3500 (1588)	50/207	2" - 129"	18645
405x1080	Multi/Bk	11'4" x 29'4" x 11"	3.45 x 8.94 x 0.28	331.1 (30.8)	311.1 (29.0)	3615 (1640)	50/216	2" - 129"	19390
405x1125	Multi/Bk	11'4" x 30'6" x 11"	3.45 x 9.3 x 0.28	344.7 (32.1)	324 (30.4)	3780 (1715)	50/225	2" - 129"	20255
405x1170	Multi/Bk	11'4" x 31'9" x 11"	3.45 x 9.67 x 0.28	358.3 (33.4)	337 (31.7)	4035 (1831)	50/234	2" - 129"	20995
405x1215	Multi/Bk	11'4" x 32'11" x 11"	3.45 x 10.03 x 0.28	371.8 (34.6)	350 (32.7)	4150 (1883)	50/243	2" - 129"	21740
405x1260	Multi/Bk	11'4" x 34'2" x 11"	3.45 x 10.4 x 0.28	385.4 (35.9)	362.9 (34.0)	4315 (1958)	50/252	2" - 129"	22605
405x1305	Multi/Bk	11'4" x 35'4" x 11"	3.45 x 10.76 x 0.28	398.9 (37.1)	375.9 (35.3)	4435 (2012)	50/261	2" - 129"	23345
405x1350	Multi/Bk	11'4" x 36'6" x 11"	3.45 x 11.13 x 0.28	412.5 (38.4)	388.8 (36.3)	4550 (2064)	50/270	2" - 129"	24090
405x1395	Multi/Bk	11'4" x 37'9" x 11"	3.45 x 11.5 x 0.28	426.1 (39.7)	401.8 (37.6)	4715 (2139)	50/279	2" - 129"	24955
450x180	Multi/Bk	12'6" x 5'4" x 11"	3.81 x 1.62 x 0.28	66.3 (6.2)	57.6 (5.6)	1015 (461)	56/36	2" - 144"	3635
450x225	Multi/Bk	12'6" x 6'6" x 11"	3.81 x 1.99 x 0.28	81.3 (7.6)	72 (7.0)	1145 (520)	56/45	2" - 144"	4460
450x270	Multi/Bk	12'6" x 7'9" x 11"	3.81 x 2.35 x 0.28	96.3 (9.0)	86.4 (8.1)	1280 (581)	56/54	2" - 144"	5285
450x315	Multi/Bk	12'6" x 8'11" x 11"	3.81 x 2.72 x 0.28	111.3 (10.4)	100.8 (9.6)	1450 (658)	56/63	2" - 144"	6230
450x360	Multi/Bk	12'6" x 10'2" x 11"	3.81 x 3.08 x 0.28	126.3 (11.7)	115.2 (11.1)	1580 (717)	56/72	2" - 144"	7060
450x405	Multi/Bk	12'6" x 11'4" x 11"	3.81 x 3.45 x 0.28	141.3 (13.1)	129.6 (12.2)	1715 (778)	56/81	2" - 144"	7885
450x450	Multi/Bk	12'6" x 12'6" x 11"	3.81 x 3.81 x 0.28	156.3 (14.5)	144 (13.7)	1880 (853)	56/90	2" - 144"	8830
450x495	Multi/Bk	12'6" x 13'9" x 11"	3.81 x 4.18 x 0.28	171.3 (15.9)	158.4 (15.2)	2015 (914)	56/99	2" - 144"	9655
450x540	Multi/Bk	12'6" x 14'11" x 11"	3.81 x 4.55 x 0.28	186.3 (17.3)	172.8 (16.3)	2150 (976)	56/108	2" - 144"	10480
450x585	Multi/Bk	12'6" x 16'2" x 11"	3.81 x 4.91 x 0.28	201.3 (18.7)	187.2 (17.8)	2315 (1051)	56/117	2" - 144"	11430
450x630	Multi/Bk	12'6" x 17'4" x 11"	3.81 x 5.28 x 0.28	216.3 (20.1)	201.6 (19.2)	2450 (1112)	56/126	2" - 144"	12255
450x675	Multi/Bk	12'6" x 18'6" x 11"	3.81 x 5.64 x 0.28	231.3 (21.5)	216 (20.4)	2585 (1173)	56/135	2" - 144"	14160
450x720	Multi/Bk	12'6" x 19'9" x 11"	3.81 x 6.01 x 0.28	246.3 (22.9)	230.4 (21.8)	2750 (1248)	56/144	2" - 144"	15110
450x765	Multi/Bk	12'6" x 20'11" x 11"	3.81 x 6.38 x 0.28	261.3 (24.3)	244.8 (23.3)	2885 (1309)	56/153	2" - 144"	15935
450x810	Multi/Bk	12'6" x 22'2" x 11"	3.81 x 6.74 x 0.28	276.3 (25.7)	259.2 (24.4)	3020 (1370)	56/162	2" - 144"	16760
450x855	Multi/Bk	12'6" x 23'4" x 11"	3.81 x 7.11 x 0.28	291.3 (27.1)	273.6 (25.9)	3185 (1445)	56/171	2" - 144"	17705
450x900	Multi/Bk	12'6" x 24'6" x 11"	3.81 x 7.47 x 0.28	306.3 (28.5)	288 (27.4)	3320 (1506)	56/180	2" - 144"	18530
450x945	Multi/Bk	12'6" x 25'9" x 11"	3.81 x 7.84 x 0.28	321.3 (29.9)	302.4 (28.5)	3455 (1568)	56/189	2" - 144"	19360
450x990	Multi/Bk	12'6" x 26'11" x 11"	3.81 x 8.2 x 0.28	336.3 (31.2)	316.8 (30.0)	3640 (1652)	56/198	2" - 144"	20305
450x1035	Multi/Bk	12'6" x 28'2" x 11"	3.81 x 8.57 x 0.28	351.3 (32.7)	331.2 (31.5)	3775 (1713)	56/207	2" - 144"	21130
450x1080	Multi/Bk	12'6" x 29'4" x 11"	3.81 x 8.94 x 0.28	366.3 (34.1)	345.6 (32.6)	3910 (1774)	56/216	2" - 144"	21955
450x1125	Multi/Bk	12'6" x 30'6" x 11"	3.81 x 9.3 x 0.28	381.3 (35.4)	360 (34.0)	4075 (1849)	56/225	2" - 144"	22900
450x1170	Multi/Bk	12'6" x 31'9" x 11"	3.81 x 9.67 x 0.28	396.3 (36.8)	374.4 (35.5)	4355 (1976)	56/234	2" - 144"	23730
450x1215	Multi/Bk	12'6" x 32'11" x 11"	3.81 x 10.03 x 0.28	411.3 (38.2)	388.8 (36.6)	4490 (2037)	56/243	2" - 144"	24555
450x1260	Multi/Bk	12'6" x 34'2" x 11"	3.81 x 10.4 x 0.28	426.3 (39.6)	403.2 (38.1)	4655 (2112)	56/252	2" - 144"	25500
450x1305	Multi/Bk	12'6" x 35'4" x 11"	3.81 x 10.76 x 0.28	441.3 (41.0)	417.6 (39.6)	4790 (2173)	56/261	2" - 144"	26325
450x1350	Multi/Bk	12'6" x 36'6" x 11"	3.81 x 11.13 x 0.28	456.3 (42.4)	432 (40.7)	4925 (2234)	56/270	2" - 144"	27150
450x1395	Multi/Bk	12'6" x 37'9" x 11"	3.81 x 11.5 x 0.28	471.3 (43.8)	446.4 (42.2)	5090 (2309)	56/279	2" - 144"	28100
495x180	Multi/Bk	13'9" x 5'4" x 11"	4.18 x 1.62 x 0.28	72.7 (6.8)	63.4 (6.2)	1080 (490)	61/36	2" - 158"	3965
495x225	Multi/Bk	13'9" x 6'6" x 11"	4.18 x 1.99 x 0.28	89.1 (8.3)	79.2 (7.8)	1225 (556)	61/45	2" - 158"	4875
495x270	Multi/Bk	13'9" x 7'9" x 11"	4.18 x 2.35 x 0.28	105.5 (9.8)	95.1 (9.0)	1365 (620)	61/54	2" - 158"	5780
495x315	Multi/Bk	13'9" x 8'11" x 11"	4.18 x 2.72 x 0.28	122 (11.4)	110.9 (10.7)	1550 (704)	61/63	2" - 158"	6810
495x360	Multi/Bk	13'9" x 10'2" x 11"	4.18 x 3.08 x 0.28	138.4 (12.9)	126.8 (12.3)	1690 (767)	61/72	2" - 158"	7720



Lines x Columns	Sections/Ventilated	Cabinet Dimensions Feet-Inches H x W x D	Cabinet Dimensions Meters H x W x D	Cabinet Square Feet (Square Meters)	Active Area Square Feet (Square Meters)	Cabinet Weight Pounds (kilograms)	Lines/Characters per line	Character Height	Maximum Watts RGB
495x405	Multi/Bk	13'9" x 11'4" x 11"	4.18 x 3.45 x 0.28	154.9 (14.4)	142.6 (13.5)	1835 (833)	61/81	2" - 158"	8630
495x450	Multi/Bk	13'9" x 12'6" x 11"	4.18 x 3.81 x 0.28	171.3 (15.9)	158.4 (15.2)	2020 (917)	61/90	2" - 158"	9655
495x495	Multi/Bk	13'9" x 13'9" x 11"	4.18 x 4.18 x 0.28	187.7 (17.5)	174.3 (16.8)	2160 (980)	61/99	2" - 158"	10565
495x540	Multi/Bk	13'9" x 14'11" x 11"	4.18 x 4.55 x 0.28	204.2 (19.0)	190.1 (18.0)	2300 (1044)	61/108	2" - 158"	11475
495x585	Multi/Bk	13'9" x 16'2" x 11"	4.18 x 4.91 x 0.28	220.6 (20.5)	206 (19.7)	2490 (1130)	61/117	2" - 158"	13045
495x630	Multi/Bk	13'9" x 17'4" x 11"	4.18 x 5.28 x 0.28	237.1 (22.1)	221.8 (21.3)	2630 (1193)	61/126	2" - 158"	13950
495x675	Multi/Bk	13'9" x 18'6" x 11"	4.18 x 5.64 x 0.28	253.5 (23.6)	237.6 (22.6)	2770 (1257)	61/135	2" - 158"	15400
495x720	Multi/Bk	13'9" x 19'9" x 11"	4.18 x 6.01 x 0.28	269.9 (25.1)	253.5 (24.2)	2960 (1343)	61/144	2" - 158"	16430
495x765	Multi/Bk	13'9" x 20'11" x 11"	4.18 x 6.38 x 0.28	286.4 (26.7)	269.3 (25.8)	3100 (1407)	61/153	2" - 158"	17340
495x810	Multi/Bk	13'9" x 22'2" x 11"	4.18 x 6.74 x 0.28	302.8 (28.2)	285.2 (27.1)	3240 (1470)	61/162	2" - 158"	18245
495x855	Multi/Bk	13'9" x 23'4" x 11"	4.18 x 7.11 x 0.28	319.3 (29.7)	301 (28.7)	3430 (1556)	61/171	2" - 158"	19275
495x900	Multi/Bk	13'9" x 24'6" x 11"	4.18 x 7.47 x 0.28	335.7 (31.2)	316.8 (30.3)	3570 (1620)	61/180	2" - 158"	20185
495x945	Multi/Bk	13'9" x 25'9" x 11"	4.18 x 7.84 x 0.28	352.1 (32.8)	332.7 (31.6)	3710 (1683)	61/189	2" - 158"	21095
495x990	Multi/Bk	13'9" x 26'11" x 11"	4.18 x 8.2 x 0.28	368.6 (34.3)	348.5 (33.2)	3915 (1776)	61/198	2" - 158"	22120
495x1035	Multi/Bk	13'9" x 28'2" x 11"	4.18 x 8.57 x 0.28	385 (35.8)	364.4 (34.9)	4060 (1842)	61/207	2" - 158"	23030
495x1080	Multi/Bk	13'9" x 29'4" x 11"	4.18 x 8.94 x 0.28	401.5 (37.4)	380.2 (36.1)	4200 (1906)	61/216	2" - 158"	23940
495x1125	Multi/Bk	13'9" x 30'6" x 11"	4.18 x 9.3 x 0.28	417.9 (38.9)	396 (37.7)	4385 (1990)	61/225	2" - 158"	24965
495x1170	Multi/Bk	13'9" x 31'9" x 11"	4.18 x 9.67 x 0.28	434.3 (40.4)	411.9 (39.4)	4680 (2123)	61/234	2" - 158"	25875
495x1215	Multi/Bk	13'9" x 32'11" x 11"	4.18 x 10.03 x 0.28	450.8 (41.9)	427.7 (40.6)	4825 (2189)	61/243	2" - 158"	26785
495x1260	Multi/Bk	13'9" x 34'2" x 11"	4.18 x 10.4 x 0.28	467.2 (43.5)	443.6 (42.2)	5010 (2273)	61/252	2" - 158"	27815
495x1305	Multi/Bk	13'9" x 35'4" x 11"	4.18 x 10.76 x 0.28	483.7 (45.0)	459.4 (43.9)	5150 (2337)	61/261	2" - 158"	28720
495x1350	Multi/Bk	13'9" x 36'6" x 11"	4.18 x 11.13 x 0.28	500.1 (46.5)	475.2 (45.1)	5290 (2400)	61/270	2" - 158"	29630
495x1395	Multi/Bk	13'9" x 37'9" x 11"	4.18 x 11.5 x 0.28	516.5 (48.1)	491.1 (46.7)	5480 (2486)	61/279	2" - 158"	30660
540x180	Multi/Bk	14'11" x 5'4" x 11"	4.55 x 1.62 x 0.28	79 (7.4)	69.2 (6.6)	1135 (515)	67/36	2" - 172"	4295
540x225	Multi/Bk	14'11" x 6'6" x 11"	4.55 x 1.99 x 0.28	96.9 (9.1)	86.4 (8.4)	1290 (586)	67/45	2" - 172"	5285
540x270	Multi/Bk	14'11" x 7'9" x 11"	4.55 x 2.35 x 0.28	114.8 (10.7)	103.7 (9.7)	1450 (658)	67/54	2" - 172"	6280
540x315	Multi/Bk	14'11" x 8'11" x 11"	4.55 x 2.72 x 0.28	132.7 (12.4)	121 (11.4)	1640 (744)	67/63	2" - 172"	7390
540x360	Multi/Bk	14'11" x 10'2" x 11"	4.55 x 3.08 x 0.28	150.5 (14.0)	138.3 (13.2)	1795 (815)	67/72	2" - 172"	8380
540x405	Multi/Bk	14'11" x 11'4" x 11"	4.55 x 3.45 x 0.28	168.4 (15.7)	155.6 (14.5)	1950 (885)	67/81	2" - 172"	9370
540x450	Multi/Bk	14'11" x 12'6" x 11"	4.55 x 3.81 x 0.28	186.3 (17.3)	172.8 (16.3)	2140 (971)	67/90	2" - 172"	10480
540x495	Multi/Bk	14'11" x 13'9" x 11"	4.55 x 4.18 x 0.28	204.2 (19.0)	190.1 (18.0)	2300 (1044)	67/99	2" - 172"	11475
540x540	Multi/Bk	14'11" x 14'11" x 11"	4.55 x 4.55 x 0.28	222.1 (20.7)	207.4 (19.4)	2455 (1114)	67/108	2" - 172"	12465
540x585	Multi/Bk	14'11" x 16'2" x 11"	4.55 x 4.91 x 0.28	239.9 (22.3)	224.7 (21.1)	2645 (1200)	67/117	2" - 172"	14655
540x630	Multi/Bk	14'11" x 17'4" x 11"	4.55 x 5.28 x 0.28	257.8 (24.0)	242 (22.9)	2805 (1273)	67/126	2" - 172"	15650
540x675	Multi/Bk	14'11" x 18'6" x 11"	4.55 x 5.64 x 0.28	275.7 (25.7)	259.2 (24.2)	2960 (1343)	67/135	2" - 172"	16640
540x720	Multi/Bk	14'11" x 19'9" x 11"	4.55 x 6.01 x 0.28	293.6 (27.3)	276.5 (26.0)	3150 (1429)	67/144	2" - 172"	17750
540x765	Multi/Bk	14'11" x 20'11" x 11"	4.55 x 6.38 x 0.28	311.5 (29.0)	293.8 (27.7)	3305 (1500)	67/153	2" - 172"	18740
540x810	Multi/Bk	14'11" x 22'2" x 11"	4.55 x 6.74 x 0.28	329.3 (30.7)	311.1 (29.0)	3465 (1572)	67/162	2" - 172"	19735
540x855	Multi/Bk	14'11" x 23'4" x 11"	4.55 x 7.11 x 0.28	347.2 (32.4)	328.4 (30.8)	3655 (1658)	67/171	2" - 172"	20845
540x900	Multi/Bk	14'11" x 24'6" x 11"	4.55 x 7.47 x 0.28	365.1 (34.0)	345.6 (32.6)	3810 (1729)	67/180	2" - 172"	21835
540x945	Multi/Bk	14'11" x 25'9" x 11"	4.55 x 7.84 x 0.28	383 (35.7)	362.9 (33.9)	3970 (1801)	67/189	2" - 172"	22830
540x990	Multi/Bk	14'11" x 26'11" x 11"	4.55 x 8.2 x 0.28	400.9 (37.3)	380.2 (35.6)	4175 (1894)	67/198	2" - 172"	23940
540x1035	Multi/Bk	14'11" x 28'2" x 11"	4.55 x 8.57 x 0.28	418.7 (39.0)	397.5 (37.4)	4335 (1967)	67/207	2" - 172"	24930
540x1080	Multi/Bk	14'11" x 29'4" x 11"	4.55 x 8.94 x 0.28	436.6 (40.7)	414.8 (38.7)	4490 (2037)	67/216	2" - 172"	25920
540x1125	Multi/Bk	14'11" x 30'6" x 11"	4.55 x 9.3 x 0.28	454.5 (42.3)	432 (40.5)	4680 (2123)	67/225	2" - 172"	27030
540x1170	Multi/Bk	14'11" x 31'9" x 11"	4.55 x 9.67 x 0.28	472.4 (44.0)	449.3 (42.2)	5000 (2268)	67/234	2" - 172"	28025
540x1215	Multi/Bk	14'11" x 32'11" x 11"	4.55 x 10.03 x 0.28	490.3 (45.6)	466.6 (43.6)	5160 (2341)	67/243	2" - 172"	29015
540x1260	Multi/Bk	14'11" x 34'2" x 11"	4.55 x 10.4 x 0.28	508.1 (47.3)	483.9 (45.3)	5350 (2427)	67/252	2" - 172"	30125
540x1305	Multi/Bk	14'11" x 35'4" x 11"	4.55 x 10.76 x 0.28	526 (49.0)	501.2 (47.1)	5505 (2498)	67/261	2" - 172"	31120
540x1350	Multi/Bk	14'11" x 36'6" x 11"	4.55 x 11.13 x 0.28	543.9 (50.6)	518.4 (48.4)	5665 (2570)	67/270	2" - 172"	32110
540x1395	Multi/Bk	14'11" x 37'9" x 11"	4.55 x 11.5 x 0.28	561.8 (52.3)	535.7 (50.2)	5855 (2656)	67/279	2" - 172"	33220
585x180	Multi/Bk	16'2" x 5'4" x 11"	4.91 x 1.62 x 0.28	85.4 (8.0)	74.9 (7.2)	1205 (547)	73/36	2" - 187"	4625
585x225	Multi/Bk	16'2" x 6'6" x 11"	4.91 x 1.99 x 0.28	104.7 (9.8)	93.6 (9.1)	1370 (622)	73/45	2" - 187"	5700
585x270	Multi/Bk	16'2" x 7'9" x 11"	4.91 x 2.35 x 0.28	124 (11.5)	112.4 (10.6)	1540 (699)	73/54	2" - 187"	6775
585x315	Multi/Bk	16'2" x 8'11" x 11"	4.91 x 2.72 x 0.28	143.3 (13.4)	131.1 (12.5)	1745 (792)	73/63	2" - 187"	7970
585x360	Multi/Bk	16'2" x 10'2" x 11"	4.91 x 3.08 x 0.28	162.7 (15.1)	149.8 (14.4)	1915 (869)	73/72	2" - 187"	9040
585x405	Multi/Bk	16'2" x 11'4" x 11"	4.91 x 3.45 x 0.28	182 (16.9)	168.5 (15.8)	2080 (944)	73/81	2" - 187"	10115



GALAXY® GT6x 8 MM PRODUCT SPECIFICATIONS

Item 3D.

Lines x Columns	Sections/Ventilated	Cabinet Dimensions Feet-Inches H x W x D	Cabinet Dimensions Meters H x W x D	Cabinet Square Feet (Square Meters)	Active Area Square Feet (Square Meters)	Cabinet Weight Pounds (kilograms)	Lines/Characters per line	Character Height	Maximum Watts RGB
585x450	Multi/Bk	16'2" x 12'6" x 11"	4.91 x 3.81 x 0.28	201.3 (18.7)	187.2 (17.8)	2290 (1039)	73/90	2" - 187"	11310
585x495	Multi/Bk	16'2" x 13'9" x 11"	4.91 x 4.18 x 0.28	220.6 (20.5)	206 (19.7)	2455 (1114)	73/99	2" - 187"	12925
585x540	Multi/Bk	16'2" x 14'11" x 11"	4.91 x 4.55 x 0.28	239.9 (22.3)	224.7 (21.1)	2620 (1189)	73/108	2" - 187"	13995
585x585	Multi/Bk	16'2" x 16'2" x 11"	4.91 x 4.91 x 0.28	259.3 (24.1)	243.4 (23.0)	2830 (1284)	73/117	2" - 187"	15730
585x630	Multi/Bk	16'2" x 17'4" x 11"	4.91 x 5.28 x 0.28	278.6 (25.9)	262.1 (25.0)	2995 (1359)	73/126	2" - 187"	16805
585x675	Multi/Bk	16'2" x 18'6" x 11"	4.91 x 5.64 x 0.28	297.9 (27.7)	280.8 (26.4)	3160 (1434)	73/135	2" - 187"	17880
585x720	Multi/Bk	16'2" x 19'9" x 11"	4.91 x 6.01 x 0.28	317.2 (29.5)	299.6 (28.3)	3370 (1529)	73/144	2" - 187"	19070
585x765	Multi/Bk	16'2" x 20'11" x 11"	4.91 x 6.38 x 0.28	336.5 (31.3)	318.3 (30.2)	3535 (1604)	73/153	2" - 187"	20145
585x810	Multi/Bk	16'2" x 22'2" x 11"	4.91 x 6.74 x 0.28	355.9 (33.1)	337 (31.7)	3700 (1679)	73/162	2" - 187"	21220
585x855	Multi/Bk	16'2" x 23'4" x 11"	4.91 x 7.11 x 0.28	375.2 (34.9)	355.7 (33.6)	3910 (1774)	73/171	2" - 187"	22415
585x900	Multi/Bk	16'2" x 24'6" x 11"	4.91 x 7.47 x 0.28	394.5 (36.7)	374.4 (35.5)	4075 (1849)	73/180	2" - 187"	23490
585x945	Multi/Bk	16'2" x 25'9" x 11"	4.91 x 7.84 x 0.28	413.8 (38.5)	393.2 (37.0)	4240 (1924)	73/189	2" - 187"	24560
585x990	Multi/Bk	16'2" x 26'11" x 11"	4.91 x 8.2 x 0.28	433.1 (40.3)	411.9 (38.9)	4470 (2028)	73/198	2" - 187"	25755
585x1035	Multi/Bk	16'2" x 28'2" x 11"	4.91 x 8.57 x 0.28	452.5 (42.1)	430.6 (40.8)	4635 (2103)	73/207	2" - 187"	26830
585x1080	Multi/Bk	16'2" x 29'4" x 11"	4.91 x 8.94 x 0.28	471.8 (43.9)	449.3 (42.2)	4805 (2180)	73/216	2" - 187"	27905
585x1125	Multi/Bk	16'2" x 30'6" x 11"	4.91 x 9.3 x 0.28	491.1 (45.7)	468 (44.2)	5010 (2273)	73/225	2" - 187"	29095
585x1170	Multi/Bk	16'2" x 31'9" x 11"	4.91 x 9.67 x 0.28	510.4 (47.5)	486.8 (46.1)	5350 (2427)	73/234	2" - 187"	30170
585x1215	Multi/Bk	16'2" x 32'11" x 11"	4.91 x 10.03 x 0.28	529.7 (49.2)	505.5 (47.5)	5515 (2502)	73/243	2" - 187"	31245
585x1260	Multi/Bk	16'2" x 34'2" x 11"	4.91 x 10.4 x 0.28	549.1 (51.1)	524.2 (49.4)	5725 (2597)	73/252	2" - 187"	32440
585x1305	Multi/Bk	16'2" x 35'4" x 11"	4.91 x 10.76 x 0.28	568.4 (52.8)	542.9 (51.4)	5890 (2672)	73/261	2" - 187"	33515
585x1350	Multi/Bk	16'2" x 36'6" x 11"	4.91 x 11.13 x 0.28	587.7 (54.6)	561.6 (52.8)	6060 (2749)	73/270	2" - 187"	34590
585x1395	Multi/Bk	16'2" x 37'9" x 11"	4.91 x 11.5 x 0.28	607 (56.5)	580.4 (54.7)	6265 (2842)	73/279	2" - 187"	35780
630x180	Multi/Bk	17'4" x 5'4" x 11"	5.28 x 1.62 x 0.28	91.7 (8.6)	80.7 (7.8)	1280 (581)	78/36	2" - 201"	4955
630x225	Multi/Bk	17'4" x 6'6" x 11"	5.28 x 1.99 x 0.28	112.5 (10.5)	100.8 (9.9)	1455 (660)	78/45	2" - 201"	6110
630x270	Multi/Bk	17'4" x 7'9" x 11"	5.28 x 2.35 x 0.28	133.3 (12.4)	121 (11.4)	1625 (738)	78/54	2" - 201"	7270
630x315	Multi/Bk	17'4" x 8'11" x 11"	5.28 x 2.72 x 0.28	154 (14.4)	141.2 (13.5)	1855 (842)	78/63	2" - 201"	8545
630x360	Multi/Bk	17'4" x 10'2" x 11"	5.28 x 3.08 x 0.28	174.8 (16.3)	161.3 (15.6)	2030 (921)	78/72	2" - 201"	9700
630x405	Multi/Bk	17'4" x 11'4" x 11"	5.28 x 3.45 x 0.28	195.5 (18.2)	181.5 (17.2)	2205 (1001)	78/81	2" - 201"	10860
630x450	Multi/Bk	17'4" x 12'6" x 11"	5.28 x 3.81 x 0.28	216.3 (20.1)	201.6 (19.2)	2435 (1105)	78/90	2" - 201"	12135
630x495	Multi/Bk	17'4" x 13'9" x 11"	5.28 x 4.18 x 0.28	237.1 (22.1)	221.8 (21.3)	2610 (1184)	78/99	2" - 201"	14370
630x540	Multi/Bk	17'4" x 14'11" x 11"	5.28 x 4.55 x 0.28	257.8 (24.0)	242 (22.9)	2780 (1261)	78/108	2" - 201"	15530
630x585	Multi/Bk	17'4" x 16'2" x 11"	5.28 x 4.91 x 0.28	278.6 (25.9)	262.1 (25.0)	3010 (1366)	78/117	2" - 201"	16805
630x630	Multi/Bk	17'4" x 17'4" x 11"	5.28 x 5.28 x 0.28	299.3 (27.9)	282.3 (27.0)	3185 (1445)	78/126	2" - 201"	17960
630x675	Multi/Bk	17'4" x 18'6" x 11"	5.28 x 5.64 x 0.28	320.1 (29.8)	302.4 (28.6)	3360 (1525)	78/135	2" - 201"	19120
630x720	Multi/Bk	17'4" x 19'9" x 11"	5.28 x 6.01 x 0.28	340.9 (31.7)	322.6 (30.7)	3590 (1629)	78/144	2" - 201"	20395
630x765	Multi/Bk	17'4" x 20'11" x 11"	5.28 x 6.38 x 0.28	361.6 (33.7)	342.8 (32.8)	3765 (1708)	78/153	2" - 201"	21550
630x810	Multi/Bk	17'4" x 22'2" x 11"	5.28 x 6.74 x 0.28	382.4 (35.6)	362.9 (34.3)	3940 (1788)	78/162	2" - 201"	22710
630x855	Multi/Bk	17'4" x 23'4" x 11"	5.28 x 7.11 x 0.28	403.1 (37.5)	383.1 (36.4)	4165 (1890)	78/171	2" - 201"	23985
630x900	Multi/Bk	17'4" x 24'6" x 11"	5.28 x 7.47 x 0.28	423.9 (39.4)	403.2 (38.5)	4340 (1969)	78/180	2" - 201"	25140
630x945	Multi/Bk	17'4" x 25'9" x 11"	5.28 x 7.84 x 0.28	444.7 (41.4)	423.4 (40.0)	4515 (2048)	78/189	2" - 201"	26295
630x990	Multi/Bk	17'4" x 26'11" x 11"	5.28 x 8.2 x 0.28	465.4 (43.3)	443.6 (42.1)	4765 (2162)	78/198	2" - 201"	27575
630x1035	Multi/Bk	17'4" x 28'2" x 11"	5.28 x 8.57 x 0.28	486.2 (45.2)	463.7 (44.2)	4940 (2241)	78/207	2" - 201"	28730
630x1080	Multi/Bk	17'4" x 29'4" x 11"	5.28 x 8.94 x 0.28	506.9 (47.2)	483.9 (45.8)	5115 (2321)	78/216	2" - 201"	29885
630x1125	Multi/Bk	17'4" x 30'6" x 11"	5.28 x 9.3 x 0.28	527.7 (49.1)	504 (47.8)	5345 (2425)	78/225	2" - 201"	31160
630x1170	Multi/Bk	17'4" x 31'9" x 11"	5.28 x 9.67 x 0.28	548.5 (51.1)	524.2 (49.9)	5700 (2586)	78/234	2" - 201"	32320
630x1215	Multi/Bk	17'4" x 32'11" x 11"	5.28 x 10.03 x 0.28	569.2 (53.0)	544.4 (51.5)	5875 (2665)	78/243	2" - 201"	33475
630x1260	Multi/Bk	17'4" x 34'2" x 11"	5.28 x 10.4 x 0.28	590 (54.9)	564.5 (53.6)	6105 (2770)	78/252	2" - 201"	34750
630x1305	Multi/Bk	17'4" x 35'4" x 11"	5.28 x 10.76 x 0.28	610.7 (56.8)	584.7 (55.6)	6280 (2849)	78/261	2" - 201"	35910
630x1350	Multi/Bk	17'4" x 36'6" x 11"	5.28 x 11.13 x 0.28	631.5 (58.8)	604.8 (57.2)	6450 (2926)	78/270	2" - 201"	37065
630x1395	Multi/Bk	17'4" x 37'9" x 11"	5.28 x 11.5 x 0.28	652.3 (60.7)	625 (59.3)	6680 (3030)	78/279	2" - 201"	38340
675x180	Multi/Bk	18'6" x 5'4" x 11"	5.64 x 1.62 x 0.28	98.1 (9.1)	86.4 (8.3)	1330 (604)	84/36	2" - 216"	5285
675x225	Multi/Bk	18'6" x 6'6" x 11"	5.64 x 1.99 x 0.28	120.3 (11.2)	108 (10.5)	1510 (685)	84/45	2" - 216"	6525
675x270	Multi/Bk	18'6" x 7'9" x 11"	5.64 x 2.35 x 0.28	142.5 (13.3)	129.6 (12.1)	1695 (769)	84/54	2" - 216"	7765
675x315	Multi/Bk	18'6" x 8'11" x 11"	5.64 x 2.72 x 0.28	164.7 (15.3)	151.2 (14.3)	1935 (878)	84/63	2" - 216"	9125
675x360	Multi/Bk	18'6" x 10'2" x 11"	5.64 x 3.08 x 0.28	186.9 (17.4)	172.8 (16.5)	2115 (960)	84/72	2" - 216"	10365
675x405	Multi/Bk	18'6" x 11'4" x 11"	5.64 x 3.45 x 0.28	209.1 (19.5)	194.4 (18.2)	2295 (1041)	84/81	2" - 216"	11600
675x450	Multi/Bk	18'6" x 12'6" x 11"	5.64 x 3.81 x 0.28	231.3 (21.5)	216 (20.4)	2535 (1150)	84/90	2" - 216"	13500



Lines x Columns	Sections/Ventilated	Cabinet Dimensions Feet-Inches H x W x D	Cabinet Dimensions Meters H x W x D	Cabinet Square Feet (Square Meters)	Active Area Square Feet (Square Meters)	Cabinet Weight Pounds (kilograms)	Lines/Characters per line	Character Height	Maximum Watts RGB
675x495	Multi/Bk	18'6" x 13'9" x 11"	5.64 x 4.18 x 0.28	253.5 (23.6)	237.6 (22.6)	2720 (1234)	84/99	2" - 216"	15280
675x540	Multi/Bk	18'6" x 14'11" x 11"	5.64 x 4.55 x 0.28	275.7 (25.7)	259.2 (24.2)	2900 (1316)	84/108	2" - 216"	16520
675x585	Multi/Bk	18'6" x 16'2" x 11"	5.64 x 4.91 x 0.28	297.9 (27.7)	280.8 (26.4)	3140 (1425)	84/117	2" - 216"	17880
675x630	Multi/Bk	18'6" x 17'4" x 11"	5.64 x 5.28 x 0.28	320.1 (29.8)	302.4 (28.6)	3325 (1509)	84/126	2" - 216"	19120
675x675	Multi/Bk	18'6" x 18'6" x 11"	5.64 x 5.64 x 0.28	342.3 (31.8)	324 (30.3)	3505 (1590)	84/135	2" - 216"	20355
675x720	Multi/Bk	18'6" x 19'9" x 11"	5.64 x 6.01 x 0.28	364.5 (33.9)	345.6 (32.5)	3745 (1699)	84/144	2" - 216"	21715
675x765	Multi/Bk	18'6" x 20'11" x 11"	5.64 x 6.38 x 0.28	386.7 (36.0)	367.2 (34.7)	3925 (1781)	84/153	2" - 216"	22955
675x810	Multi/Bk	18'6" x 22'2" x 11"	5.64 x 6.74 x 0.28	408.9 (38.0)	388.8 (36.3)	4110 (1865)	84/162	2" - 216"	24195
675x855	Multi/Bk	18'6" x 23'4" x 11"	5.64 x 7.11 x 0.28	431.1 (40.1)	410.4 (38.5)	4350 (1974)	84/171	2" - 216"	25555
675x900	Multi/Bk	18'6" x 24'6" x 11"	5.64 x 7.47 x 0.28	453.3 (42.1)	432 (40.7)	4530 (2055)	84/180	2" - 216"	26790
675x945	Multi/Bk	18'6" x 25'9" x 11"	5.64 x 7.84 x 0.28	475.5 (44.2)	453.6 (42.4)	4710 (2137)	84/189	2" - 216"	28030
675x990	Multi/Bk	18'6" x 26'11" x 11"	5.64 x 8.2 x 0.28	497.7 (46.2)	475.2 (44.6)	4970 (2255)	84/198	2" - 216"	29390
675x1035	Multi/Bk	18'6" x 28'2" x 11"	5.64 x 8.57 x 0.28	519.9 (48.3)	496.8 (46.8)	5155 (2339)	84/207	2" - 216"	30630
675x1080	Multi/Bk	18'6" x 29'4" x 11"	5.64 x 8.94 x 0.28	542.1 (50.4)	518.4 (48.4)	5335 (2420)	84/216	2" - 216"	31870
675x1125	Multi/Bk	18'6" x 30'6" x 11"	5.64 x 9.3 x 0.28	564.3 (52.5)	540 (50.6)	5575 (2529)	84/225	2" - 216"	33230
675x1170	Multi/Bk	18'6" x 31'9" x 11"	5.64 x 9.67 x 0.28	586.5 (54.5)	561.6 (52.8)	5950 (2699)	84/234	2" - 216"	34470
675x1215	Multi/Bk	18'6" x 32'11" x 11"	5.64 x 10.03 x 0.28	608.7 (56.6)	583.2 (54.5)	6130 (2781)	84/243	2" - 216"	35705
675x1260	Multi/Bk	18'6" x 34'2" x 11"	5.64 x 10.4 x 0.28	630.9 (58.7)	604.8 (56.7)	6370 (2890)	84/252	2" - 216"	37065
675x1305	Multi/Bk	18'6" x 35'4" x 11"	5.64 x 10.76 x 0.28	653.1 (60.7)	626.4 (58.9)	6555 (2974)	84/261	2" - 216"	38305
675x1350	Multi/Bk	18'6" x 36'6" x 11"	5.64 x 11.13 x 0.28	675.3 (62.8)	648 (60.5)	6735 (3055)	84/270	2" - 216"	39545
675x1395	Multi/Bk	18'6" x 37'9" x 11"	5.64 x 11.5 x 0.28	697.5 (64.9)	669.6 (62.7)	6975 (3164)	84/279	2" - 216"	40905
720x180	Multi/Bk	19'9" x 5'4" x 11"	6.01 x 1.62 x 0.28	104.5 (9.7)	92.2 (8.9)	1380 (626)	90/36	2" - 230"	5615
720x225	Multi/Bk	19'9" x 6'6" x 11"	6.01 x 1.99 x 0.28	128.1 (12.0)	115.2 (11.2)	1570 (713)	90/45	2" - 230"	6940
720x270	Multi/Bk	19'9" x 7'9" x 11"	6.01 x 2.35 x 0.28	151.7 (14.1)	138.3 (13.0)	1760 (799)	90/54	2" - 230"	8260
720x315	Multi/Bk	19'9" x 8'11" x 11"	6.01 x 2.72 x 0.28	175.4 (16.3)	161.3 (15.3)	2010 (912)	90/63	2" - 230"	9700
720x360	Multi/Bk	19'9" x 10'2" x 11"	6.01 x 3.08 x 0.28	199 (18.5)	184.4 (17.7)	2200 (998)	90/72	2" - 230"	11025
720x405	Multi/Bk	19'9" x 11'4" x 11"	6.01 x 3.45 x 0.28	222.7 (20.7)	207.4 (19.5)	2390 (1085)	90/81	2" - 230"	12345
720x450	Multi/Bk	19'9" x 12'6" x 11"	6.01 x 3.81 x 0.28	246.3 (22.9)	230.4 (21.8)	2640 (1198)	90/90	2" - 230"	14870
720x495	Multi/Bk	19'9" x 13'9" x 11"	6.01 x 4.18 x 0.28	269.9 (25.1)	253.5 (24.2)	2830 (1284)	90/99	2" - 230"	16190
720x540	Multi/Bk	19'9" x 14'11" x 11"	6.01 x 4.55 x 0.28	293.6 (27.3)	276.5 (26.0)	3020 (1370)	90/108	2" - 230"	17510
720x585	Multi/Bk	19'9" x 16'2" x 11"	6.01 x 4.91 x 0.28	317.2 (29.5)	299.6 (28.3)	3270 (1484)	90/117	2" - 230"	18950
720x630	Multi/Bk	19'9" x 17'4" x 11"	6.01 x 5.28 x 0.28	340.9 (31.7)	322.6 (30.7)	3460 (1570)	90/126	2" - 230"	20275
720x675	Multi/Bk	19'9" x 18'6" x 11"	6.01 x 5.64 x 0.28	364.5 (33.9)	345.6 (32.5)	3650 (1656)	90/135	2" - 230"	21595
720x720	Multi/Bk	19'9" x 19'9" x 11"	6.01 x 6.01 x 0.28	388.1 (36.1)	368.7 (34.8)	3900 (1770)	90/144	2" - 230"	23040
720x765	Multi/Bk	19'9" x 20'11" x 11"	6.01 x 6.38 x 0.28	411.8 (38.3)	391.7 (37.2)	4090 (1856)	90/153	2" - 230"	24360
720x810	Multi/Bk	19'9" x 22'2" x 11"	6.01 x 6.74 x 0.28	435.4 (40.5)	414.8 (38.9)	4280 (1942)	90/162	2" - 230"	25680
720x855	Multi/Bk	19'9" x 23'4" x 11"	6.01 x 7.11 x 0.28	459.1 (42.7)	437.8 (41.3)	4530 (2055)	90/171	2" - 230"	27120
720x900	Multi/Bk	19'9" x 24'6" x 11"	6.01 x 7.47 x 0.28	482.7 (44.9)	460.8 (43.7)	4720 (2141)	90/180	2" - 230"	28445
720x945	Multi/Bk	19'9" x 25'9" x 11"	6.01 x 7.84 x 0.28	506.3 (47.1)	483.9 (45.4)	4905 (2225)	90/189	2" - 230"	29765
720x990	Multi/Bk	19'9" x 26'11" x 11"	6.01 x 8.2 x 0.28	530 (49.3)	506.9 (47.8)	5180 (2350)	90/198	2" - 230"	31210
720x1035	Multi/Bk	19'9" x 28'2" x 11"	6.01 x 8.57 x 0.28	553.6 (51.5)	530 (50.2)	5365 (2434)	90/207	2" - 230"	32530
720x1080	Multi/Bk	19'9" x 29'4" x 11"	6.01 x 8.94 x 0.28	577.3 (53.7)	553 (51.9)	5555 (2520)	90/216	2" - 230"	33850
720x1125	Multi/Bk	19'9" x 30'6" x 11"	6.01 x 9.3 x 0.28	600.9 (55.9)	576 (54.3)	5805 (2634)	90/225	2" - 230"	35295
720x1170	Multi/Bk	19'9" x 31'9" x 11"	6.01 x 9.67 x 0.28	624.5 (58.1)	599.1 (56.6)	6200 (2813)	90/234	2" - 230"	36615
720x1215	Multi/Bk	19'9" x 32'11" x 11"	6.01 x 10.03 x 0.28	648.2 (60.3)	622.1 (58.4)	6390 (2899)	90/243	2" - 230"	37935
720x1260	Multi/Bk	19'9" x 34'2" x 11"	6.01 x 10.4 x 0.28	671.8 (62.5)	645.2 (60.8)	6640 (3012)	90/252	2" - 230"	39380
720x1305	Multi/Bk	19'9" x 35'4" x 11"	6.01 x 10.76 x 0.28	695.5 (64.7)	668.2 (63.1)	6830 (3099)	90/261	2" - 230"	40700
720x1350	Multi/Bk	19'9" x 36'6" x 11"	6.01 x 11.13 x 0.28	719.1 (66.9)	691.2 (64.9)	7015 (3182)	90/270	2" - 230"	42020
720x1395	Multi/Bk	19'9" x 37'9" x 11"	6.01 x 11.5 x 0.28	742.7 (69.1)	714.3 (67.3)	7270 (3298)	90/279	2" - 230"	43465

SECTION 10 14 63 – MONUMENT MESSAGE SIGNS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes monument - type signs with LED electronic message / sign panels.
- B. Related Sections include the following:
 - 1. Division 3 Section "Cast-in-Place Concrete" for concrete foundations and bases for monument- type signs.
 - 2. Division 10 Section "Post and Panel Signs" for post-mounted signs.
 - 3. Division 26 Sections for electrical service and connections for illuminated monument- type signs.

1.3 PERFORMANCE REQUIREMENTS

- A. Structural Performance: Provide monument- type signs capable of withstanding the effects of gravity loads and the following loads and stresses within limits and under conditions indicated, determined according to ASCE 7, "Minimum Design Loads for Buildings and Other Structures":
 - 1. Wind Loads: Determine loads based on a uniform pressure of 25 lb/sf, acting in any direction.
- B. Thermal Movements: Provide monument- type signs that allow for thermal movements resulting from the following maximum change (range) in ambient and surface temperatures by preventing buckling, opening of joints, overstressing of components, failure of connections, and other detrimental effects. Base engineering calculation on surface temperatures of materials due to both solar heat gain and nighttime-sky heat loss.
 - 1. Temperature Change (Range): 120 deg F (67 deg C), ambient; 180 deg F (100 deg C), material surfaces.

1.4 SUBMITTALS

- A. Product Data: For each type of product indicated. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes. Include manufacturer's written instructions for maintaining and cleaning sign surfaces.
- B. Shop Drawings: Show fabrication and installation details for monument- type signs.
 - 1. Include plans, elevations, and at least 3/4-inch (1:20) scale sections of typical members and other components. Show anchors, reinforcement, accessories, layout, and installation details.
 - a. Show locations of electrical service connections.

2. Include message list, with details of wording and lettering layout, at least half size. Include full-size details of graphics.
 - a. Include full-size templates for cutout characters and graphic symbols.
 3. Wiring Diagrams: For LED message boards.
- C. Samples for Initial Selection: Manufacturer's color charts consisting of actual units or sections of units showing the full range of colors available for the following:
1. Aluminum.
 2. Exposed exterior materials.

1.5 QUALITY ASSURANCE

- A. Installer Qualifications: An authorized representative of sign manufacturer for installation and maintenance of units required for this Project.
1. Installer shall be capable of providing replacement message panels within 10 working days of receipt of order.
- B. Source Limitations: Obtain monument- type signs through one source from a single manufacturer.
- C. Product Options: Drawings indicate size, profiles, and dimensional requirements of monument-type signs and are based on the types and features indicated. Refer to Division 1 Section "Product Requirements."
1. Do not modify intended aesthetic effects, as judged solely by Architect, except with Architect's approval. If modifications are proposed, submit comprehensive explanatory data to Architect for review.
- D. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, Article 100, by a testing agency acceptable to authorities having jurisdiction, and marked for intended use.

1.6 DELIVERY AND HANDLING

- A. Deliver monument- type signs in protective covering and crating to protect sign components and surfaces against damage.

1.7 COORDINATION

- A. Coordinate installation of anchorages for monument- type signs. Furnish setting drawings, templates, and directions for installing anchorages and other items that are to be embedded in concrete. Deliver such items to Project site in time for installation.
- B. Coordinate delivery time so signs can be installed within 24 hours of receipt at Project site.

1.8 WARRANTY

- A. Sign Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace panels that fail in materials or workmanship during specified warranty period. Failures include, but are not limited to, the following:
1. Coating degradation.

2. Chalking.
 3. Fading.
 4. Electronic controller circuit boards
 5. LED panel assemblies
 6. Power supplies, temperature sensor, and auto dimmer
 7. Wires, plugs, and ribbon cables.
- B. Warranty Period: 5 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Aluminum Extrusions: ASTM B 221 (ASTM B 221M), alloy and temper recommended by aluminum producer and finisher for type of use and finish indicated, and with at least the strength and durability properties of alloy 6063-T5.
- B. Structural Steel (if steel is utilized in lieu of aluminum):
1. Hot-Rolled Structural-Steel Shapes: ASTM A 36/A 36M or ASTM A 529/A 529M.
 2. Steel Tubing or Pipe: ASTM A 500, Grade B.
 3. Steel Members Fabricated from Plate or Bar Stock: ASTM A 529/A 529M or ASTM A 572/A 572M, 42,000 psi (290 MPa) minimum yield strength.
 4. Bolts for Steel Framing: ASTM A 307 or ASTM A 325 (ASTM A 325M) as necessary for design loads and connection details.
 5. For steel exposed to view on completion, provide materials selected for surface flatness, smoothness, and freedom from surface blemishes. Do not use materials whose surfaces exhibit pitting, seam marks, roller marks, rolled trade names, or roughness.

2.2 ACCESSORIES

- A. Fasteners: Use concealed fasteners fabricated from metals that are noncorrosive to sign material and mounting surface.
- B. Anchors and Inserts: Use stainless steel or hot-dip galvanized anchors and inserts. Use torque-controlled expansion-bolt devices for drilled-in-place anchors. Furnish inserts, as required, to be set into concrete.

2.3 FABRICATION, GENERAL

- A. General: Provide manufacturer's standard monument- type sign assembly consisting of LED message / sign boards supported on foundation-mounted, structural framing system. Provide sign to fit within surrounding context as indicated in drawings.
1. Welded Connections: Comply with AWS standards for recommended practices in shop welding. Provide welds behind finished surfaces without distortion or discoloration of exposed side. Clean exposed welded surfaces of welding flux and dress exposed and contact surfaces.
 2. Mill joints to a tight, hairline fit. Form joints exposed to weather to exclude water penetration.
 3. Preassemble signs in the shop to greatest extent possible. Disassemble signs only as necessary for shipping and handling limitations. Clearly mark units for reassembly and installation, in location not exposed to view after final assembly.
 4. Conceal fasteners if possible; otherwise, locate fasteners where they will be inconspicuous.

2.4 STRUCTURE

- A. Base: Provide monument- type signs with integral base consisting of channels, angles, plates, or other fittings. Drill holes in members for anchor-bolt connection.
 - 1. Provide anchor bolts of size required for connecting base to concrete foundations.
- B. Internal Frames: Manufacturer's standard internal aluminum framing system, designed to withstand wind pressure indicated. Cut, drill, and tap units to receive hardware, bolts, and similar items.

2.5 SIGN PANELS

- A. General:
 - 1. Coordinate dimensions and attachment methods to produce message panels with closely fitting joints. Align edges and surfaces with one another in the relationship indicated.
 - a. Modular Sign Panels: Provide message panels in replaceable, modular units as indicated.
 - b. Weatherproof: Provide assemblies and products which are weatherproof.
- B. LED Message Boards: Basis-of-Design – Premier Series by MEGA LED Technology 888-315-7446 www.megasigninc.com/
- C. Sign specifications (for Basis-of-Design sign):
 - 1. Size: Approximately 3 foot x 8 foot; basis-of-Design is 3'-1-3/4" x 8'-4-3/4"
 - 2. Resolution: 6 mm Surface Mounted Device.
 - 3. Colors: 281 Trillion
 - 4. Pixel Composition: 3 in 1
 - 5. Viewing Angle: 160 Degrees
 - 6. Contrast Ratio: 3000 : 1
 - 7. Brightness: > 8,500 NITS
 - 8. LED Life-Span: 100,000 hrs
 - 9. Operating Temperature: -40F to +140F
 - 10. Graphic Capability: Text, Picture, Video (jpg, png, mp4, avi, mov)
 - 11. Software: MEGA Cloud
 - 12. Maintenance: Front Service
 - 13. Certification: MET Lab / UL48, UL8750, UL1433 CSA – C22.2 NO.207, FCC
 - 14. Warranty: 5 year parts / factory lab

2.6 ALUMINUM FINISHES

- A. Powder coat finishes.
- B. Comply with NAAMM's "Metal Finishes Manual for Architectural and Metal Products" for recommendations for applying and designating finishes.
- C. Finish designations prefixed by AA comply with the system established by the Aluminum Association for designating aluminum finishes.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Excavation: In firm, undisturbed or compacted soil, excavate sign foundation to dimensions indicated.
- B. Set anchor bolts and other embedded items required for installation of signs. Use templates furnished by suppliers of items to be attached.
- C. Install signs level, plumb, and at height indicated, with surfaces free from distortion or other defects in appearance.

3.2 CLEANING

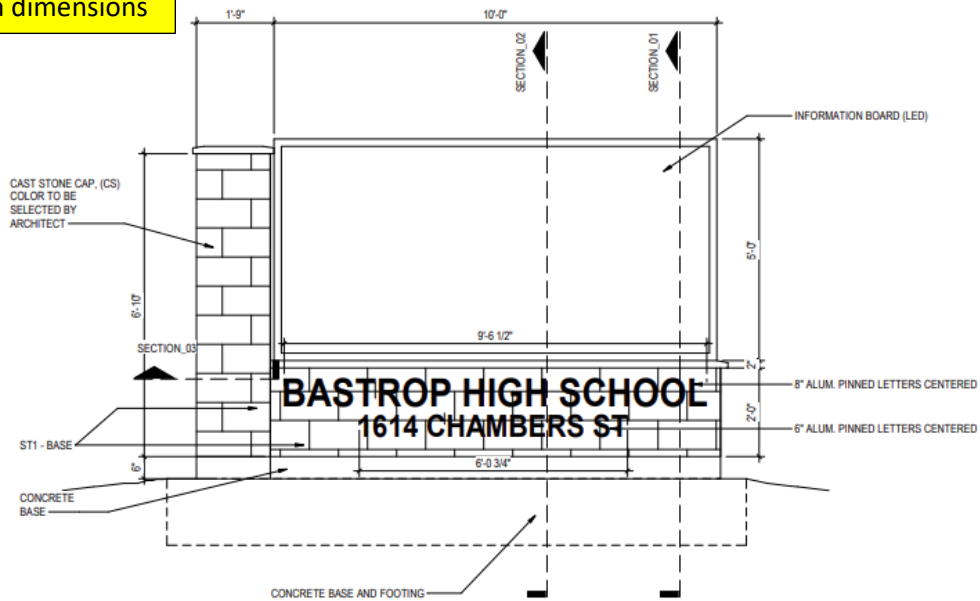
- A. At completion of installation, clean soiled surfaces of sign units according to manufacturer's written instructions.

END OF SECTION 10 14 63

Bastrop High School Sign Study



Sign dimensions



Building Code Exception Requested

Bastrop HS – Sign Variance 23-000937

B3 Code Section	Description	Requested
8.1.009, (b) – (4) – C. + 8.3-k vi	Only external illumination is allowed	Internal illumination
8.3 – k)	Height – 6 feet	Height – 7 feet
8.3- k)	Base max 2 feet	2 Feet 6 Inches bases (including concrete base if concrete is above grade.)

Backlit Screen Specs.

GALAXY® GT6x 8 MM PRODUCT SPECIFICATIONS

Lines x Columns	Sections/Ventilated	Cabinet Dimensions Feet-Inches H x W x D	Cabinet Dimensions Meters H x W x D	Cabinet Square Feet (Square Meters)	Active Area Square Feet (Square Meters)	Cabinet Weight Pounds (kilograms)	Lines/Characters per line	Character Height	Maximum Watts RGB
180x225	Sing/Ft	5'4" x 6'3" x 7"	1.62 x 1.91 x 0.18	33.1 (3.1)	28.8 (2.9)	305 (139)	22/45	2" - .57"	2000
180x270	Sing/Ft	5'4" x 7'6" x 7"	1.62 x 2.28 x 0.18	39.5 (3.7)	34.6 (3.3)	365 (166)	22/54	2" - .57"	2390
180x315	Sing/Ft	5'4" x 8'8" x 7"	1.62 x 2.64 x 0.18	45.8 (4.3)	40.4 (3.9)	425 (193)	22/63	2" - .57"	2780
180x360	Sing/Ft	5'4" x 9'11" x 7"	1.62 x 3.01 x 0.18	52.2 (4.9)	46.1 (4.5)	485 (220)	22/72	2" - .57"	3170
180x405	Sing/Ft	5'4" x 11'1" x 7"	1.62 x 3.37 x 0.18	58.6 (5.5)	51.9 (5.0)	545 (248)	22/81	2" - .57"	3560
180x450	Sing/Ft	5'4" x 12'3" x 7"	1.62 x 3.74 x 0.18	64.9 (6.1)	57.6 (5.6)	605 (275)	22/90	2" - .57"	3950
180x495	Sing/Ft	5'4" x 13'6" x 7"	1.62 x 4.1 x 0.18	71.3 (6.6)	63.4 (6.2)	665 (302)	22/99	2" - .57"	4340
180x540	Sing/Ft	5'4" x 14'8" x 7"	1.62 x 4.47 x 0.18	77.6 (7.2)	69.2 (6.6)	725 (329)	22/108	2" - .57"	4730
180x585	Sing/Ft	5'4" x 15'11" x 7"	1.62 x 4.84 x 0.18	84.0 (7.8)	74.9 (7.2)	785 (357)	22/117	2" - .57"	5120

GT6x SERIES SPECIFICATIONS

Estimated LED Lifetime:

100,000+ hours

Contrast Enhancement:

Non-reflective black louvers and module face grooves disperse light

Message Capability:

Text, graphics, logos, basic animation, video clips, multiple font styles, and sizes

Control Software:

Venus® Control Suite

Power:

120, 120/240 VAC Single Phase

Display Dimming:

64 levels (Automatic, scheduled or manual control)

Communication Options:

Ethernet Fiber Optic, Ethernet Bridge Radio, Remote Cellular, Ethernet CAT5

Operating Temperature:

-40°F to 120°F with 99% RH non-condensing

Compliance Information:

UL Listed, FCC compliance

Full Dimming & Programming Capability –
backlit screen can be programmed to
predetermined “start/stop” times
utilizing Venus Control Suite (Daktronics)



K)

PLACE TYPES ▶

P2

P3

P4

P5

SPECIFICATIONS ▼

MONUMENT



P

- a. **Quantity:** 1 max per Frontage
- b. **Height:** 35 ft max. in P5 on SH 71 *see v
20 ft max in P5 on SH 95 & Loop 150
6 ft max in P5
- c. **Max Height to width ratio:** 4:1

DESCRIPTION

A Sign permanently affixed to the ground at its base or by poles that are enclosed by natural stone, stucco, brick, or wood and not mounted to a part of a Building. Pole(s) may be used to construct a Monument Sign so long as the poles are not visible below the Sign.

SIGN DETAILS

- i. A Monument Sign can be defined as a ground Sign generally having a low profile with little or no Open Space between the ground and the Sign and having a Structure constructed of masonry, wood, or materials similar in appearance.
- ii. How to Measure:
 - (1) Maximum total Height is measured from the finished grade at the center of the Sign. If the finished grade at the center of the Sign is higher than the finished grade of the closest paved surface, then the Height shall be measured from the finished grade of the closest paved surface.
 - (2) The monument base shall be a maximum of 2 feet in Height and shall be included in the calculation of total Height.
 - (3) A Monument Sign width cannot exceed 2 times the allowable Sign Height.
- iii. The max Height allowed along SH. 71 is 35 feet. Height limit is 8 feet if Band Sign Height exceeds 4 feet.
- iv. The max Height allowed along Loop 150 and SH 95 is 20 feet. Height limit is 8 feet if Band Sign height exceeds 4 feet.
- v. Signs along SH 71, SH 95 and Loop 150 can be internally illuminated.
- vi. A warrant for internal illumination can be requested.
- vii. Cannot be located within a Sight Triangle.

Section 8.2.003 Variances

(d) The ZBA may decide, subject to appropriate conditions, and only after a finding based on the evidence presented that strict compliance with the requirements of this Code will result in substantial undue hardship, sufficient mitigation, or inequity to the applicant without sufficient corresponding benefit to the City and its citizens in accomplishing the objectives of this Chapter.

The Sign Administrator and ZBA shall consider:

- (1) Special or unique hardship because of the size or shape of the property on which the Sign is to be located, or the visibility of the property from public roads.
- (2) Hardship claim based on the exceptional topographic conditions or physical features uniquely affecting the property on which a Sign is to be located.
- (3) Proposed Sign location, configuration, design, materials and colors are harmonious.
- (4) The Sign and its supporting structure is in architectural harmony with the surrounding Structures.
- (5) Mitigation measures related to the Sign in question or other Signs on the same Premises.
- (6) Demonstrated and documented correlation between the Variance and protecting the public health and safety.
- (7) Whether the Sign could have been included in a Master Sign Plan. Master Sign plans are highly encouraged. The City will be more inclined to favorably consider a Variance request when the Variance is part of a Master Sign Plan. There will be a presumption against granting variances piecemeal, ad hoc, on a case-by-case basis when the Sign for which a Variance is sought could have

been included in a Master Sign Plan and considered in the course of a comprehensive review of the entire Project's signage.

- (8) The Sign Administrator may authorize the remodeling, renovation, or alteration of a Sign when some nonconforming aspect of the Sign is thereby reduced.



STAFF REPORT

MEETING DATE: February 20, 2024

TITLE:

Public Hearing and consider action on variances from the Bastrop Building Block (B³) Code, Chapter 8 – Signs, Article 8.3 (k) Monument Signs for the internal illumination, for the Mina Elementary, located at 1203 Hill St, within the City Limits of the City of Bastrop, Texas.

STAFF REPRESENTATIVE:

Kennedy Higgins, Senior Planner

ITEM DETAILS:

Site Address:	1203 Hill St (Attachment 1)
Total Acreage:	4.340 acres
Legal Description:	Farm Lot 19 East Main Street
Property ID:	48030

Property Owner:	Bastrop ISD
Agent Contact:	Lee Raspberry

Existing Use:	School
Existing Zoning:	Civic Space
Adopted Plan:	N/A
Future Land Use:	Civic Space-School

BACKGROUND/HISTORY:

The applicant is requesting a variance to allow for one thing that is not permitted under the adopted Chapter 8 – Signs.

It is to allow for illumination for one monument sign. Per Article 8.3 (k) v and vi – monument signs located in the sign corridors of SH 95, SH 71, and loop 150 can be internally illuminated, but a warrant can be requested for signs located outside of corridors and the applicant has included that request in the overall variances requested.

The applicant’s justification for the illumination of the sign is to allow for multiple announcements/messages to be displayed throughout the day.

Bastrop Building Block (B³) Code

The Bastrop Building Block (B³) Code was adopted on November 12, 2019, and include Chapter 8 Signs. The applicant is asking for a variance to following standards:

Article 8.3 K) Monument Sign

SPECIFICATIONS

- a. Quantity: 1 max per Frontage
- b. Height: 35 ft max. in P5 on SH 71 *see v
20 ft max in P5 on SH 95 & Loop 150
6 ft max in P5
- c. Max Height to width ratio: 4:1

DESCRIPTION

A Sign permanently affixed to the ground at its base or by poles that are enclosed by natural stone, stucco, brick, or wood and not mounted to a part of a Building. Pole(s) may be used to construct a Monument Sign so long as the poles are not visible below the Sign.

SIGN DETAILS

- i. A Monument Sign can be defined as a ground Sign generally having a low profile with little or no Open Space between the ground and the Sign and having a Structure constructed of masonry, wood, or materials similar in appearance.
- ii. How to Measure:
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 - (2) The monument base shall be a maximum of 2 feet in Height and shall be included in the calculation of total Height.
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- iii. The max Height allowed along SH. 71 is 35 feet. Height limit is 8 feet if Band Sign Height exceeds 4 feet.
- iv. The max Height allowed along Loop 150 and SH 95 is 20 feet. Height limit is 8 feet if Band Sign height exceeds 4 feet.
- v. **Signs along SH 71, SH 95 and Loop 150 can be internally illuminated.**
- vi. **A warrant for internal illumination can be requested.**
- vii. Cannot be located within a Sight Triangle.

PUBLIC NOTIFICATION:

A newspaper notice was placed on February 7, 2024. Notifications were mailed to 31 adjacent property owners on February 6, 2024. At the time of this report, we have received no response.

POLICY EXPLANATION:

Texas Local Government Code
Sec. 211.009. AUTHORITY OF BOARD.

- (a) The board of adjustment may:
- (1) hear and decide an appeal that alleges error in an order, requirement, decision, or determination made by an administrative official in the enforcement of this subchapter or an ordinance adopted under this subchapter.
 - (2) hear and decide special exceptions to the terms of a zoning ordinance when the ordinance requires the board to do so.
 - (3) authorize in specific cases a variance from the terms of a zoning ordinance if the variance is not contrary to the public interest and due to special conditions, a literal enforcement of the ordinance would result in unnecessary hardship, and so that the spirit of the ordinance is observed, and substantial justice is done; and
 - (4) hear and decide other matters authorized by an ordinance adopted under this subchapter.
- (b) In exercising its authority under Subsection (a)(1), the board may reverse or affirm, in whole or in part, or modify the administrative official's order, requirement, decision, or determination from which an appeal is taken and make the correct order, requirement, decision, or determination, and for that purpose the board has the same authority as the administrative official.
- (b-1) In exercising its authority under Subsection (a)(3), the board may consider the following as grounds to determine whether compliance with the ordinance as applied to a structure that is the subject of the appeal would result in unnecessary hardship:
- (1) the financial cost of compliance is greater than 50 percent of the appraised value of the structure as shown on the most recent appraisal roll certified to the assessor for the municipality under Section [26.01](#), Tax Code;
 - (2) compliance would result in a loss to the lot on which the structure is located of at least 25 percent of the area on which development may physically occur.
 - (3) compliance would result in the structure not being in compliance with a requirement of a municipal ordinance, building code, or other requirement.
 - (4) compliance would result in the unreasonable encroachment on an adjacent property or easement; or
 - (5) the municipality considers the structure to be a nonconforming structure.
- (c) The concurring vote of 75 percent of the members of the board is necessary to:
- (1) reverse an order, requirement, decision, or determination of an administrative official;
 - (2) decide in favor of an applicant on a matter on which the board is required to pass under a zoning ordinance; or
 - (3) authorize a variation from the terms of a zoning ordinance.

Bastrop Building Block (B3) Code

Section 8.2.003 Variances

(d) Other requests for variances shall be forwarded to the ZBA. The ZBA may decide, subject to appropriate conditions, and only after a finding based on the evidence presented that strict compliance with the CHAPTER 8: SIGNS 179 of 249 requirements of this Code will result in substantial undue hardship, sufficient mitigation, or inequity to the applicant without sufficient corresponding benefit to the City and its citizens in accomplishing the objectives of this Chapter.

The code allows for an administrative approval for setback, effective area, size of internal components of a Sign so long as total size of Sign Face is compliant, or Height

requirements, as well as to authorize one additional sign on premises more than allowed by this chapter, additionally a height increase of up to four (4) feet can be approved administratively, anything else will be the jurisdiction of the ZBA.

The Sign Administrator and ZBA shall consider:

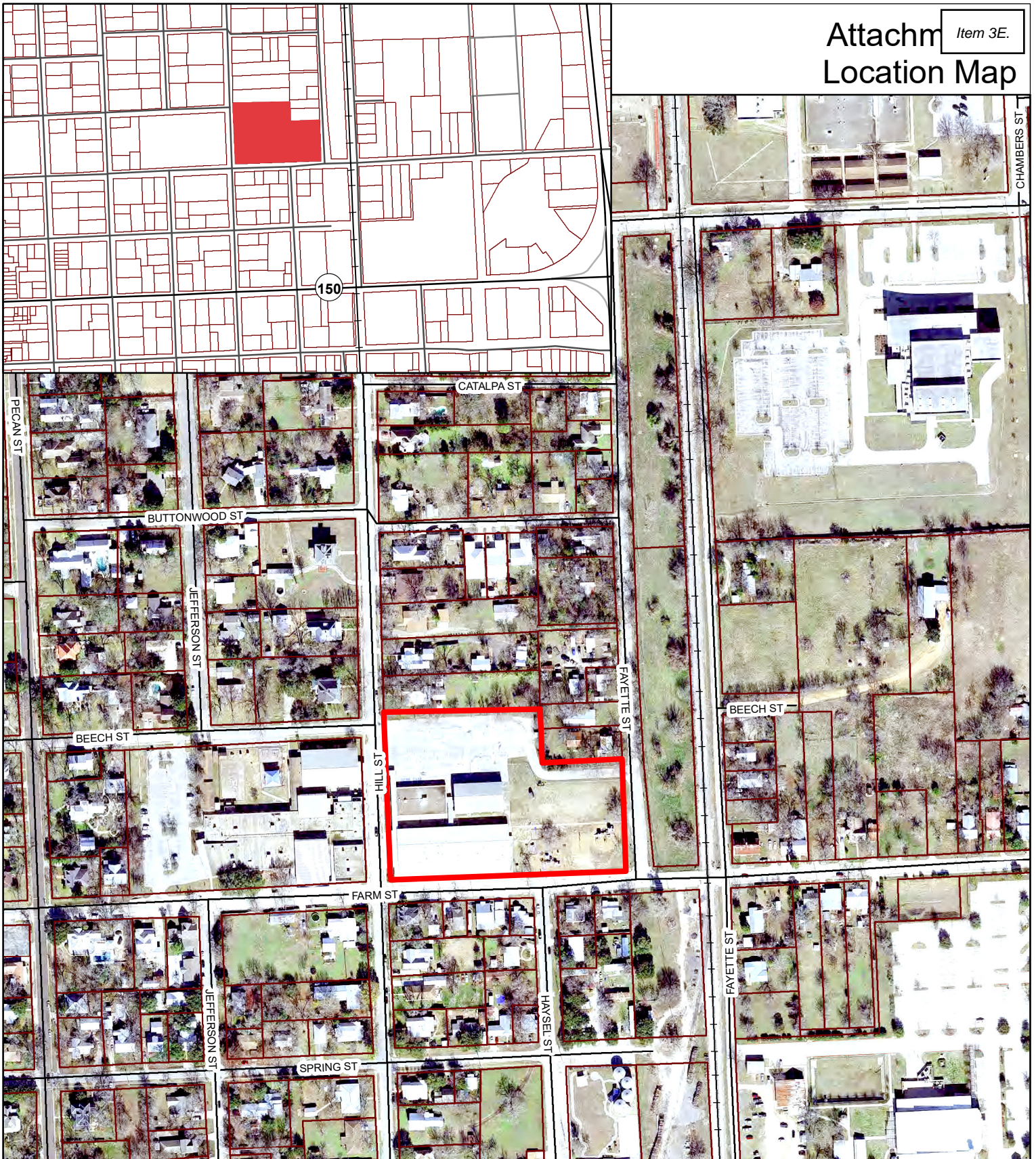
- (1) Special or unique hardship because of the size or shape of the property on which the Sign is to be located, or the visibility of the property from public roads.
- (2) Hardship claim based on the exceptional topographic conditions or physical features uniquely affecting the property on which a Sign is to be located.
- (3) Proposed Sign location, configuration, design, materials, and colors are harmonious.
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- (6) Demonstrated and documented correlation between the Variance and protecting the public health and safety.
- (7) Whether the Sign could have been included in a Master Sign Plan. Master Sign plans are highly encouraged. The City will be more inclined to favorably consider a Variance request when the Variance is part of a Master Sign Plan. There will be a presumption against granting variances piecemeal, ad hoc, on a case-by-case basis when the Sign for which a Variance is sought could have been included in a Master Sign Plan and considered in the course of a comprehensive review of the entire Project's signage.
- (8) The Sign Administrator may authorize the remodeling, renovation, or alteration of a Sign when some nonconforming aspect of the Sign is thereby reduced.

RECOMMENDATION:

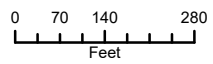
Public Hearing and consider action on variances from the Bastrop Building Block (B³) Code, Chapter 8 – Signs, Article 8.3 (k) Monument Signs for the internal illumination, for the Mina Elementary School, located at 1203 Hill St, within the City Limits of the City of Bastrop, Texas

ATTACHMENTS:

- Attachment 1: Location Map
- Attachment 2: Picture of Sign
- Attachment 3: Sign specifications
- Attachment 4: Bastrop Building Block (B³) Code Monument Sign Requirement
- Attachment 5: Blank Findings for Sec 8.2.003 Variances



1203 Hill Street BMS Sign Variance Location Map



1 inch = 300 feet



Date: 1/30/2024

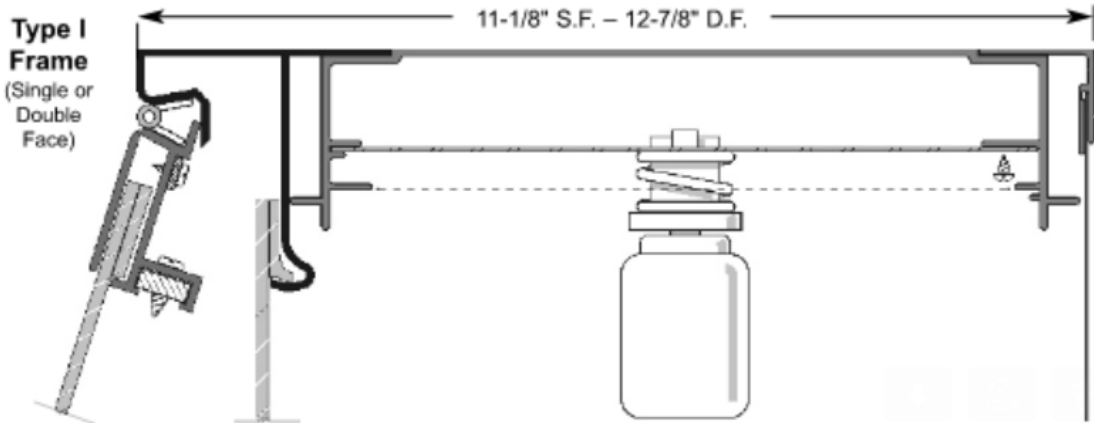
The accuracy and precision of this cartographic data is limited and should be used for information /planning purposes only. This data does not replace surveys conducted by registered Texas land surveyors nor does it constitute an "official" verification of zoning, land use classification, or other classification set forth in local, state, or federal regulatory processes. The City of Bastrop, nor any of its employees, do not make any warranty of merchantability and fitness for particular purpose, or assumes any legal liability or responsibility for the accuracy, completeness or usefulness of information, nor does it represent that its use will not infringe upon privately owned rights.

Mina Elementary LED Back Lit Sign

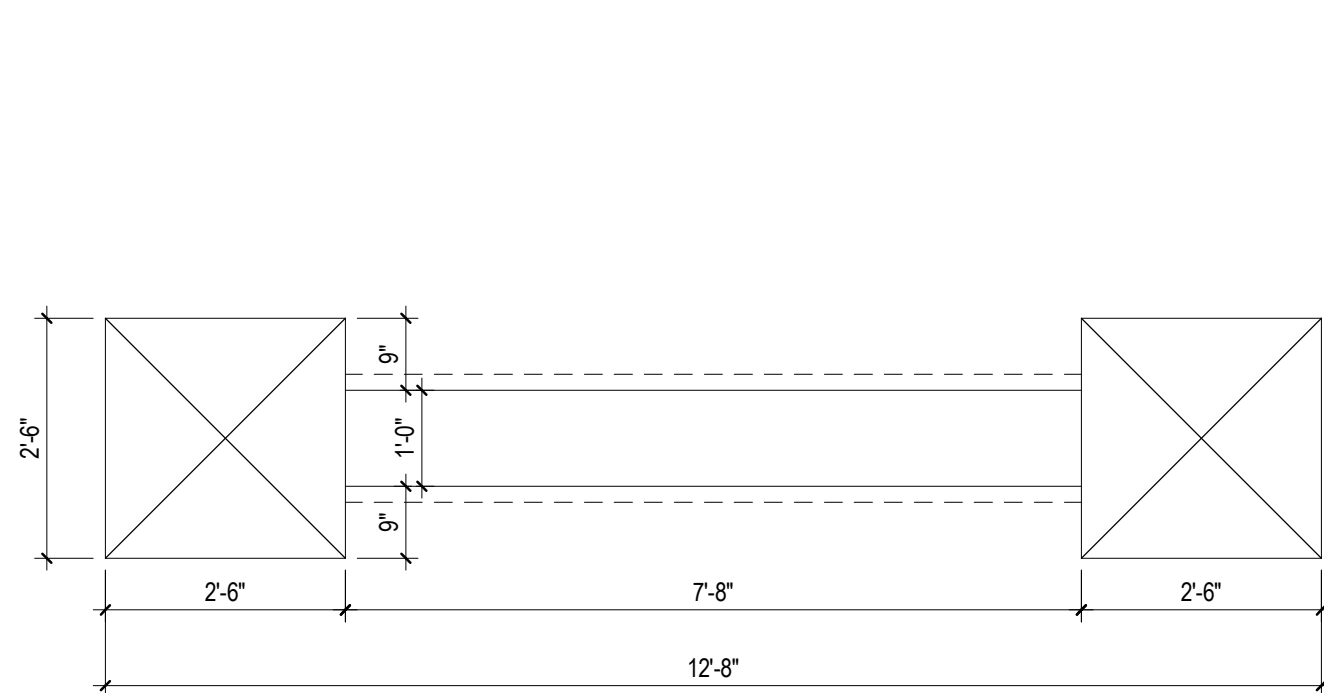


Building Code Exception Requested

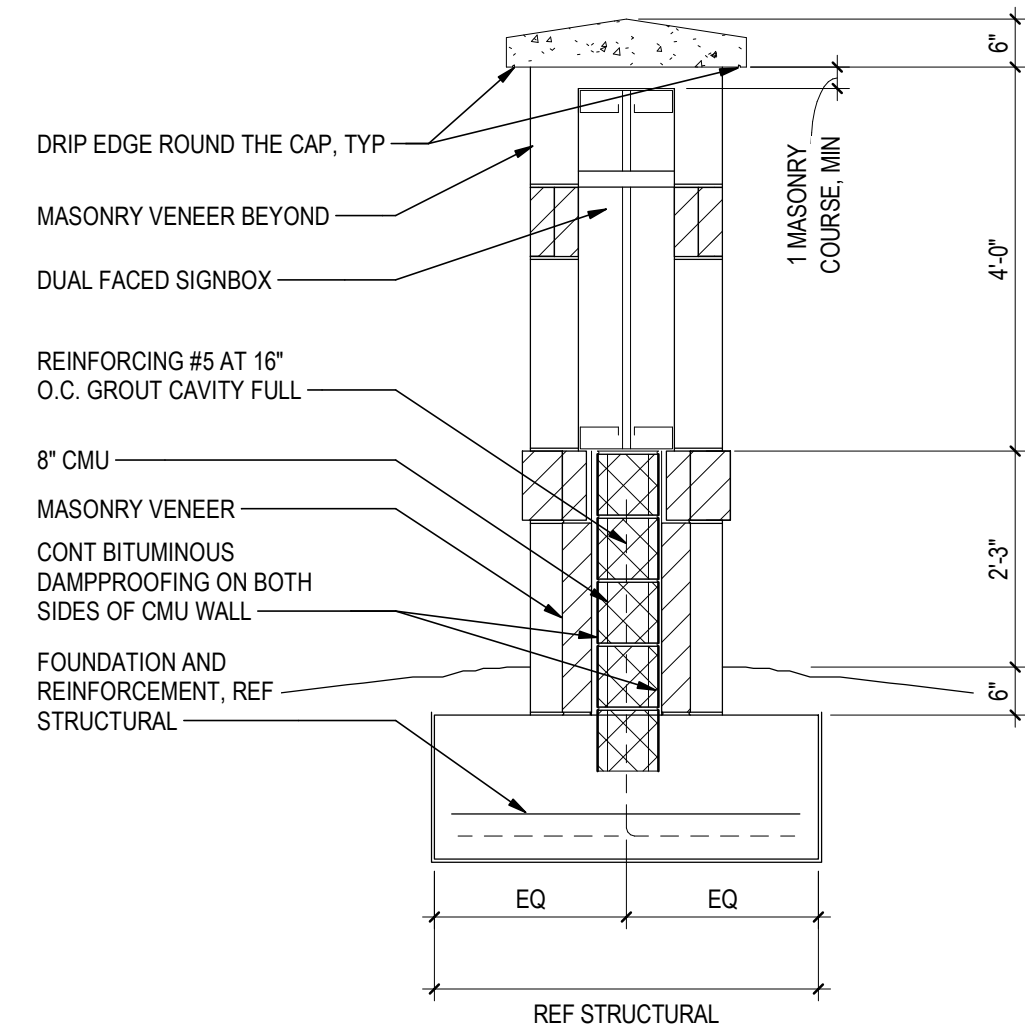
B3 Code Section	Description	Requested
8.1.009, (b) – (4) – C. + 8.3-k) vi	Only external illumination is allowed	Internal illumination



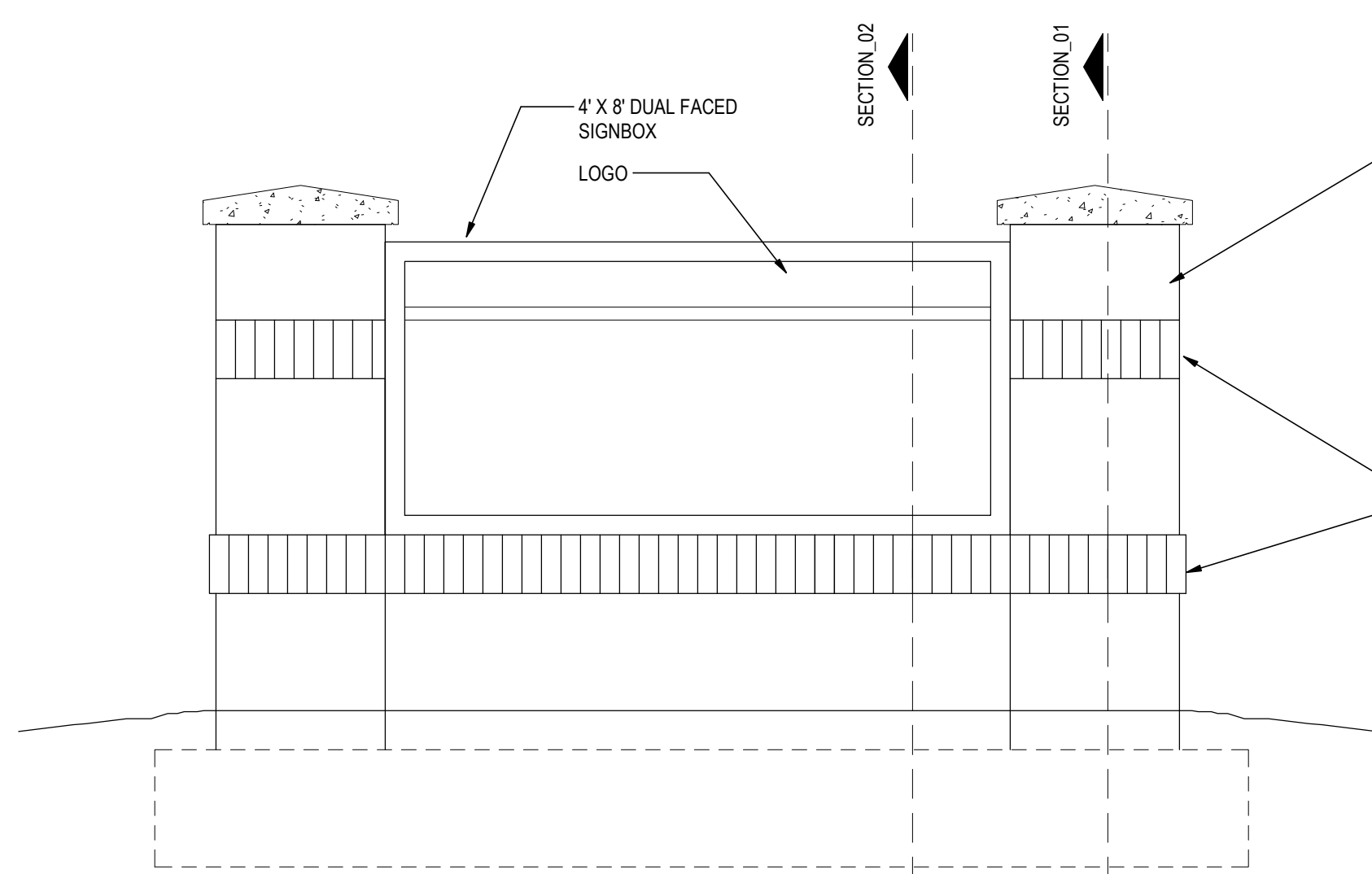
Inside sign cabinet, is a 120VAC standard base 300 lumens, 40-watt equivalent, (not to exceed) 3000K LED bulb controlled by timer.



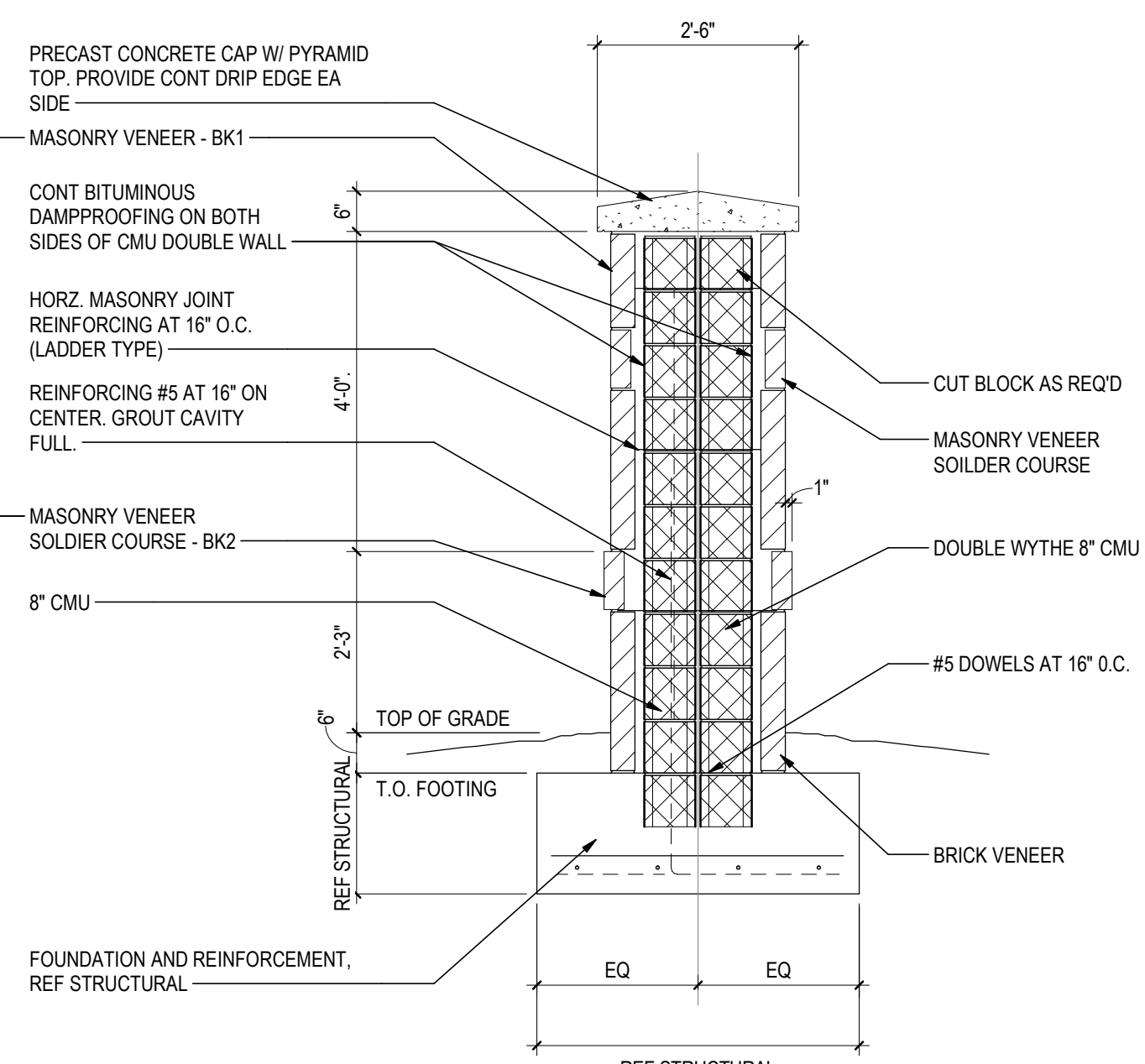
MARQUEE SIGN PLAN



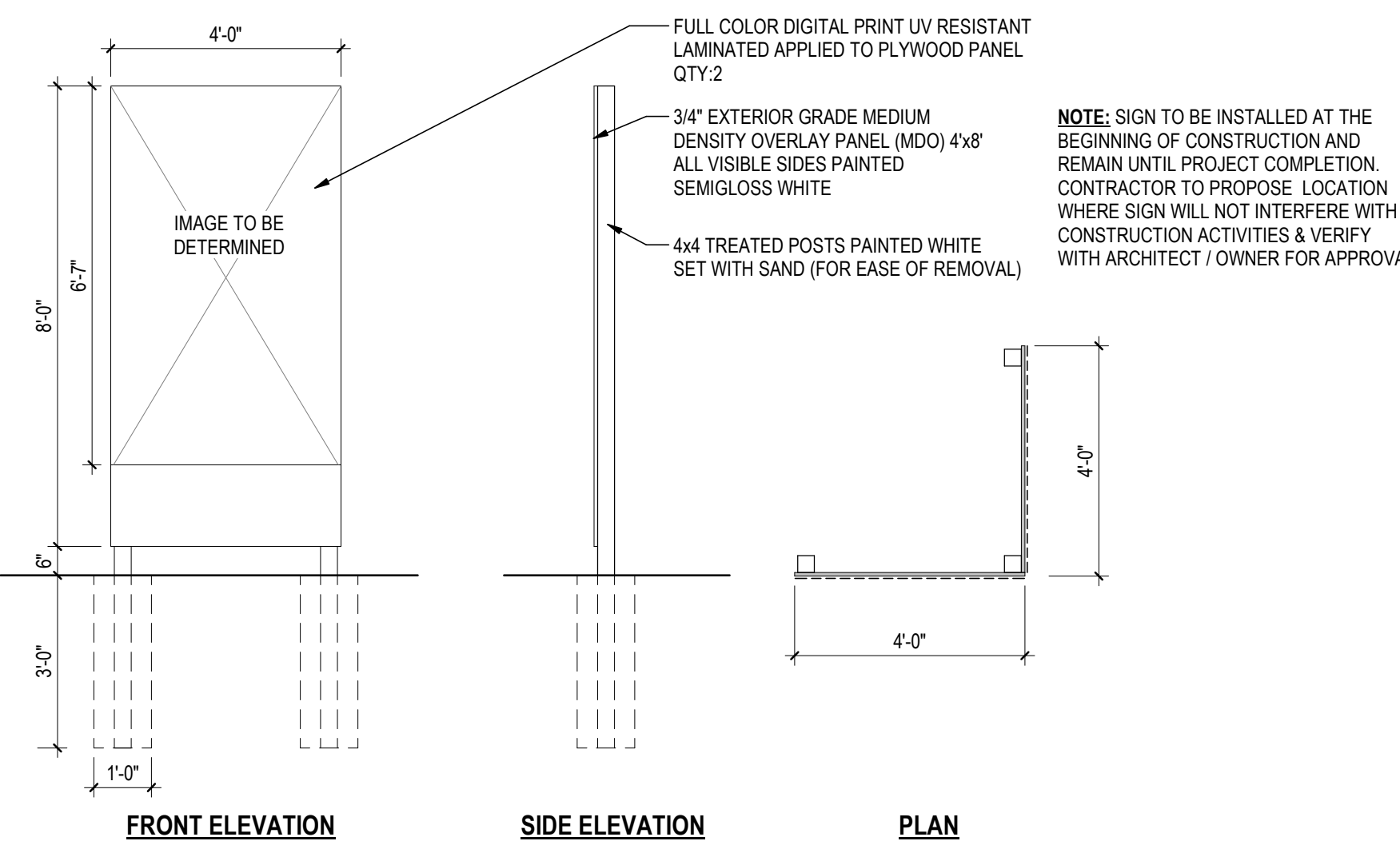
MARQUEE SIGN SECTION_02



MARQUEE SIGN ELEVATION



MARQUEE SIGN SECTION_01



AS001 SITE SIGNAGE PROJECT SIGN

SITE LEGEND

- NEW ADDITION BUILDING
- EXISTING BUILDING WITH SCOPE OF WORK
- EXISTING BUILDING NO SCOPE OF WORK
- NEW SIDEWALK, REF CIVIL
- NEW PARKING / DRIVEWAY
- NEW FLATWORK
- NEW GRASS AREA
- 4'-0" HT ORNAMENTAL STEEL FENCE
- ACCESSIBLE ROUTE
- 4'-0" HT CHAIN LINK FENCE

SITE GENERAL NOTES:

1. FIELD VERIFY EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES TO THE ARCHITECT BEFORE BEGINNING WORK.
2. OBTAIN AVAILABLE PLANS DEPICTING EXISTING AND PROPOSED UTILITIES PRIOR TO CONSTRUCTION. ANY DAMAGE TO SAID UTILITIES CAUSED BY CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
3. REFERENCE CIVIL AND MEP DOCUMENTS FOR ADDITIONAL HARDSCAPING, SAW CUTTING, EARTH REMOVAL, TRENCHING, AND RELOCATION AND/OR DEMOLITION OF EXISTING UTILITIES UNDER AND ABOVE GROUND, TYP.
4. UON FURNISH AND INSTALL 10" WIDE X 4" THICK CONCRETE MOW STRIP BELOW ALL CHAIN LINK FENCING. REINFORCE WITH 4 X 4 X W14 X W14 W.W.M. - CENTERED BELOW FENCE. COORDINATE TOP-OF-MOW STRIP HT W/ CIVIL GRADING PLAN AND VERIFY W/ ARCHITECT. WHERE ADJACENT TO TURF AT BASEBALL AND SOFTBALL FIELDS, MOW STRIPS TO BE 6" DEEP.
5. PROVIDE DETECTABLE WARNINGS AT CURB RAMP AND OTHER LOCATIONS WHERE WALKING SURFACES CROSS OR ADJOIN A VEHICULAR WAY. AS PER TAB RECD. REF CIVIL DOC.
6. FOR SITE PAVING INFORMATION LINE DIMENSIONS, CURBS, SIDEWALKS, CONTROL JOINTS AND DETAILS REF CIVIL DRAWINGS.
7. ALIGN THE CENTER OF SIDEWALKS WITH AND/OR CENTER OF THE BUILDING OPENINGS TYP. UON.
8. PROVIDE SCRAPPERS AT EACH BUILDING ENTRY. REF DETAIL E5AS003.
9. FOR SIGNAGE, FIRELANE STRIPING, PARKING STRIPING, ISLAND AND MISCELLANEOUS STRIPING, REF CIVIL DRAWINGS.
10. FOR SITE PARKING SPACES, REF CIVIL.

ARCHITECTURAL SITE PLAN NOTES:

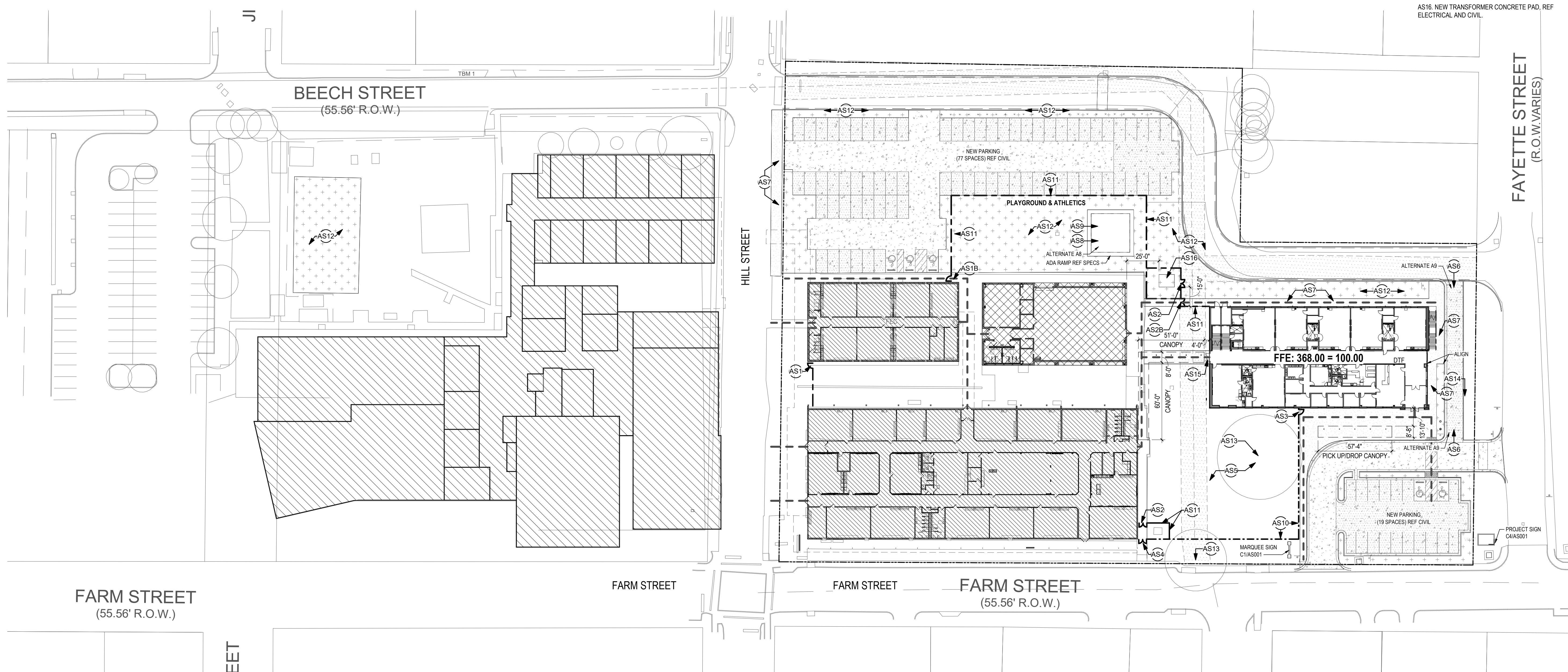
- AS1. 4'-0" W CHAIN LINK GATE WITH EMERGENCY KEY ACCESS "KNOXBOX".
- AS18. 4'-0" W CHAIN LINK GATE WITH EMERGENCY KEY ACCESS "KNOXBOX", EXIT DEVICE, AND CLOSERS.
- AS2. PAIR 3'-0" GATE, 6'-0" W CHAIN LINK GATE.
- AS28. PAIR 3'-0" GATE, 6'-0" W CHAIN LINK GATE WITH EMERGENCY KEY ACCESS "KNOXBOX", EXIT DEVICE, AND CLOSERS.
- AS3. 4'-0" W ORNAMENTAL STEEL GATE WITH EMERGENCY KEY ACCESS "KNOXBOX", EXIT DEVICE, AND CLOSERS.
- AS4. PAIR 3'-0" GATE, 6'-0" W ORNAMENTAL STEEL GATE.
- AS5. EXISTING PLAYGROUND TO REMAIN.
- AS6. ALTERNATE A9 - NEW INTERNAL DRIVE WAY.
- AS7. CONCRETE SIDEWALK, REF CIVIL. (REF GRAPHIC LEGEND FOR A GRAPHICAL REPRESENTATION)
- AS8. 36"X36" PLAYGROUND FALL PROTECTION AREA, REF E3AS003, ADA RAMP REF SPECS - ALTERNATE 8.
- AS9. 30"X30"1/2" EAVE HEIGHT FABRIC SHADE HIP CANOPY, REF SPECS - ALTERNATE 8.
- AS10. 4'-0" ORNAMENTAL STEEL FENCE PRE-MFR SYSTEM, REF SPECS. (REF GRAPHIC LEGEND FOR A GRAPHICAL REPRESENTATION)
- AS11. 4'-0" HT CHAIN LINK FENCE SYSTEM, REF SPECS. (REF GRAPHIC LEGEND FOR A GRAPHICAL REPRESENTATION)
- AS12. PROVIDE NEW GRASS AREA, REF CIVIL AND LANDSCAPE DRAWINGS.
- AS13. TREE TO REMAIN, PROTECT DURING CONSTRUCTION, REF LANDSCAPE AND CIVIL.
- AS14. TREE TO REMAIN, PROTECT DURING CONSTRUCTION IF ALTERNATE A9 IS NOT APPROVED, REF LANDSCAPE AND CIVIL.
- AS15. FOOT SCRAPER REF E5AS003.
- AS16. NEW TRANSFORMER CONCRETE PAD, REF ELECTRICAL AND CIVIL.

C1 AS51 SITE MARQUEE SIGN

AS001 1/2" = 1'-0"

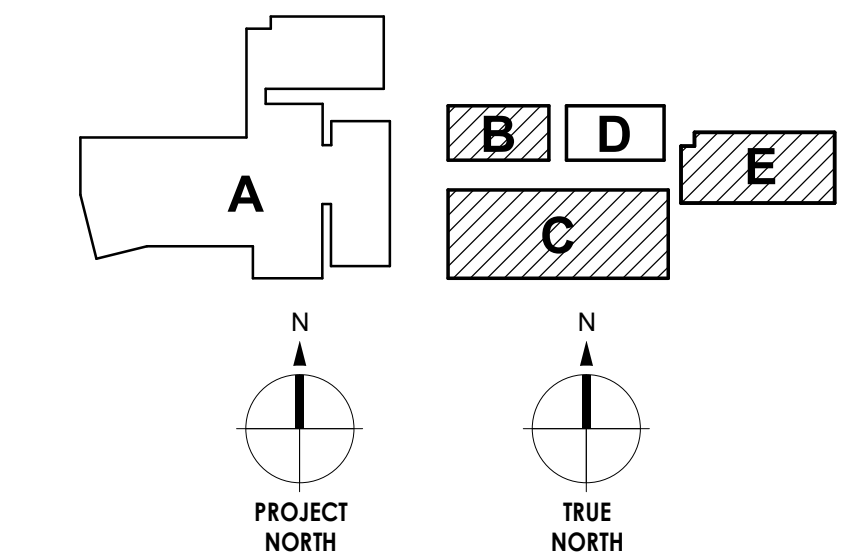
C4 AS001 SITE SIGNAGE PROJECT SIGN

AS001 3/8" = 1'-0"



A1 ARCHITECTURAL SITE PLAN

AS001 1" = 40'-0"



Revision	By	Appd	YYYY-MM-DD

Issued By Appd 2022.03.21

Permit/Seal



FOR BIDDING AND CONSTRUCTION - 2022.03.21

Client/Project Logo



Client/Project BASTROP ISD

MINA ES ADDITIONS AND RENOVATIONS

1203 Hill St
Bastrop, TX 78602

Title ARCHITECTURAL SITE PLAN

Project No. 214000955

Revision

Scale As Indicated

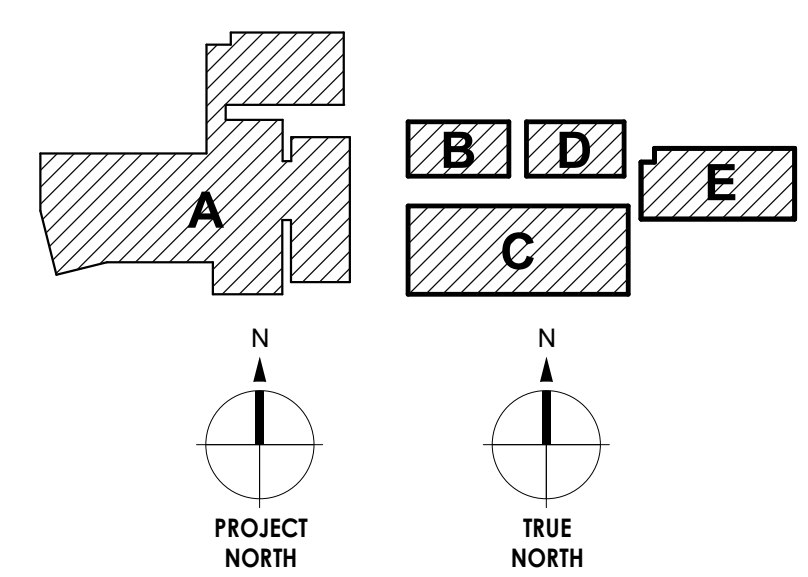
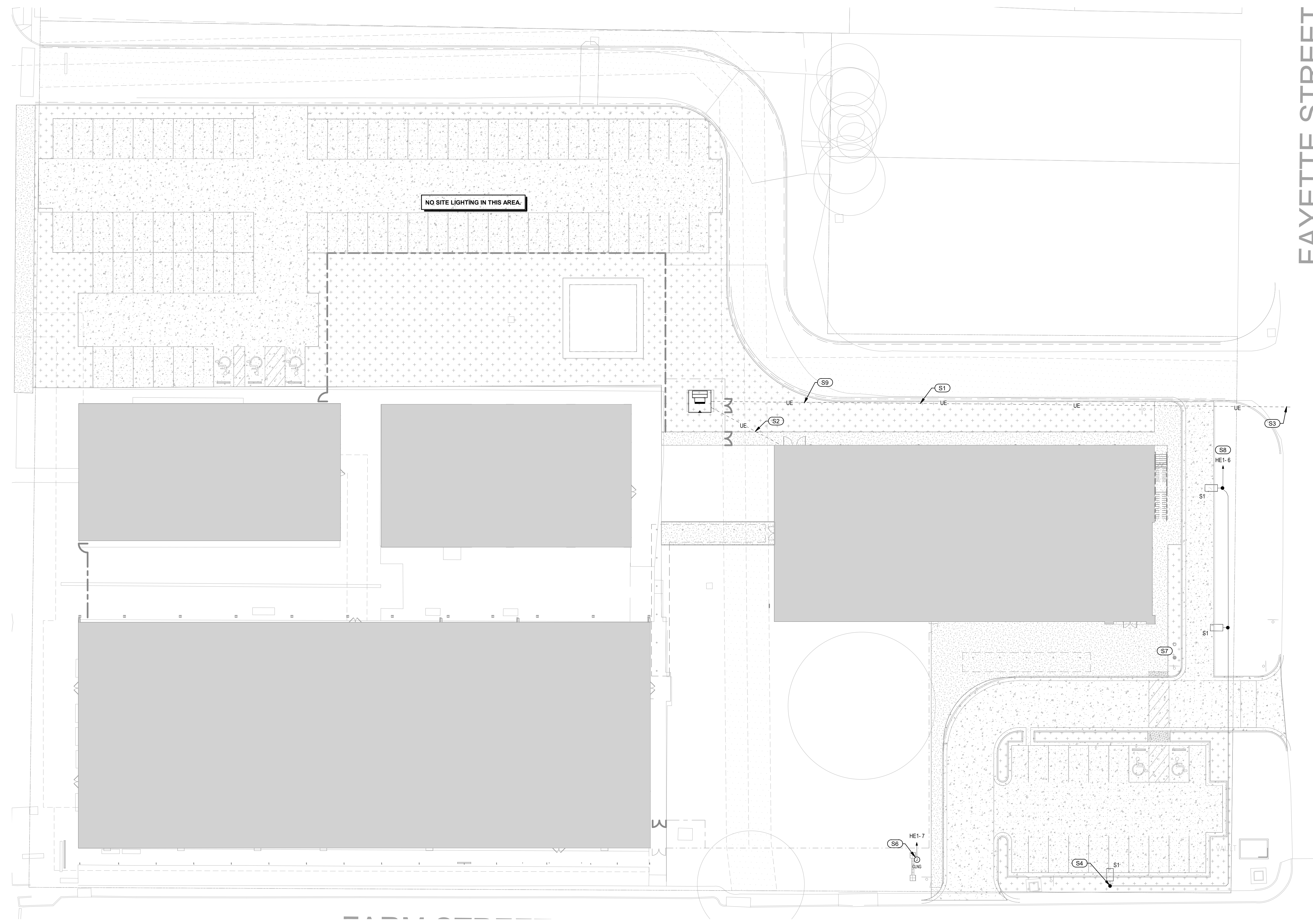
Drawing No.

AS001

DO NOT BEGIN SITE UTILITY WORK UNTIL DRAWINGS HAVE BEEN RECEIVED FROM UTILITY COMPANY.

ALL SITE CIRCUITING IS DIAGRAMMATIC ONLY. DOES NOT INDICATE CONDUIT ROUTING. ELECTRICAL CONTRACTOR IS TO DETERMINE ALL FINAL CONDUIT ROUTING, COORDINATED WITH ALL SITE UTILITIES AND SITE CONDITIONS. REFERENCE CIVIL AND LANDSCAPE PLANS FOR ADDITIONAL INFORMATION.

Key Notes - Site	
THESE NOTES APPLY TO THIS SHEET ONLY	
S1	UNDERGROUND ELECTRIC CONDUIT, PULL BOXES, ETC. REFERENCE RISER DIAGRAM. ALL UTILITIES PER LATEST UTILITY COMPANY REQUIREMENTS.
S2	UNDERGROUND ELECTRIC SECONDARY. REFERENCE RISER DIAGRAM.
S3	COORDINATE FINAL CONNECTION POINT AND REQUIREMENTS WITH UTILITY PROVIDER ACROSS FAYETTE STREET.
S4	COORDINATE FINAL POLE LIGHT LOCATIONS WITH CIVIL AND LANDSCAPE CONSULTANTS PRIOR TO DRILLING PIERS. REFERENCE STRUCTURAL ENGINEER FOR STRUCTURAL POLE BASE DETAILS.
S6	POWER AND FUSED DISCONNECT FOR SITE SIGN. PROVIDE 3 KW, 480 TO 277 OR 120 VOLT TRANSFORMER AS REQUIRED FOR SUPPLIED SIGN. PROVIDE 1" CONDUIT BACK TO MDF ROOM IN AREA 'C' FOR COMMUNICATION SIGN.
S7	NO FLAGPOLE LIGHTING AT FLAGPOLES
S8	ROUTE CIRCUIT THROUGH LIGHTING CONTACTOR SERVING SITE.
S9	EXISTING SERVICE TO BE REMOVED.



Revision	By	Appd	YYYY.MM.DD

Issued	By	Appd	YYYY.MM.DD

Permit/Seal

FOR BIDDING AND CONSTRUCTION - 2022.03.21



Client/Project
BASTROP ISD

MINA ES ADDITIONS AND RENOVATIONS

1203 Hill St
Bastrop, TX 78602

Title
SITE PLAN - ELECTRICAL

Project No.
21400955

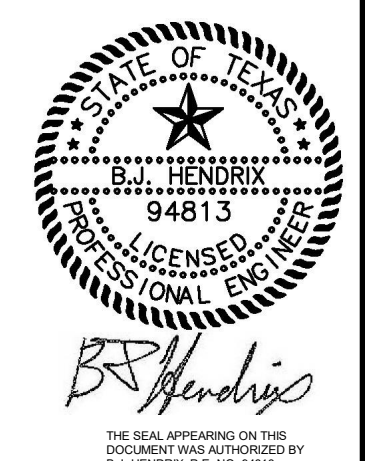
Scale
As Indicated

Revision

Drawing No.
ES100

01 SITE PLAN - ELECTRICAL

SCALE: 1" = 20'-0"



REFERENCE GENERAL NOTES ON SHEETS M101, P101, AND E101 FOR ADDITIONAL INFORMATION

MEP/ENERGY CONSULTANTS

HCE HENDRIX CONSULTING ENGINEERS

COMMISSIONING + FIELD INVESTIGATION

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F.- 4095
HCE job no.: 21-047

GENERAL NOTES - EXTERIOR ELEVATIONS:

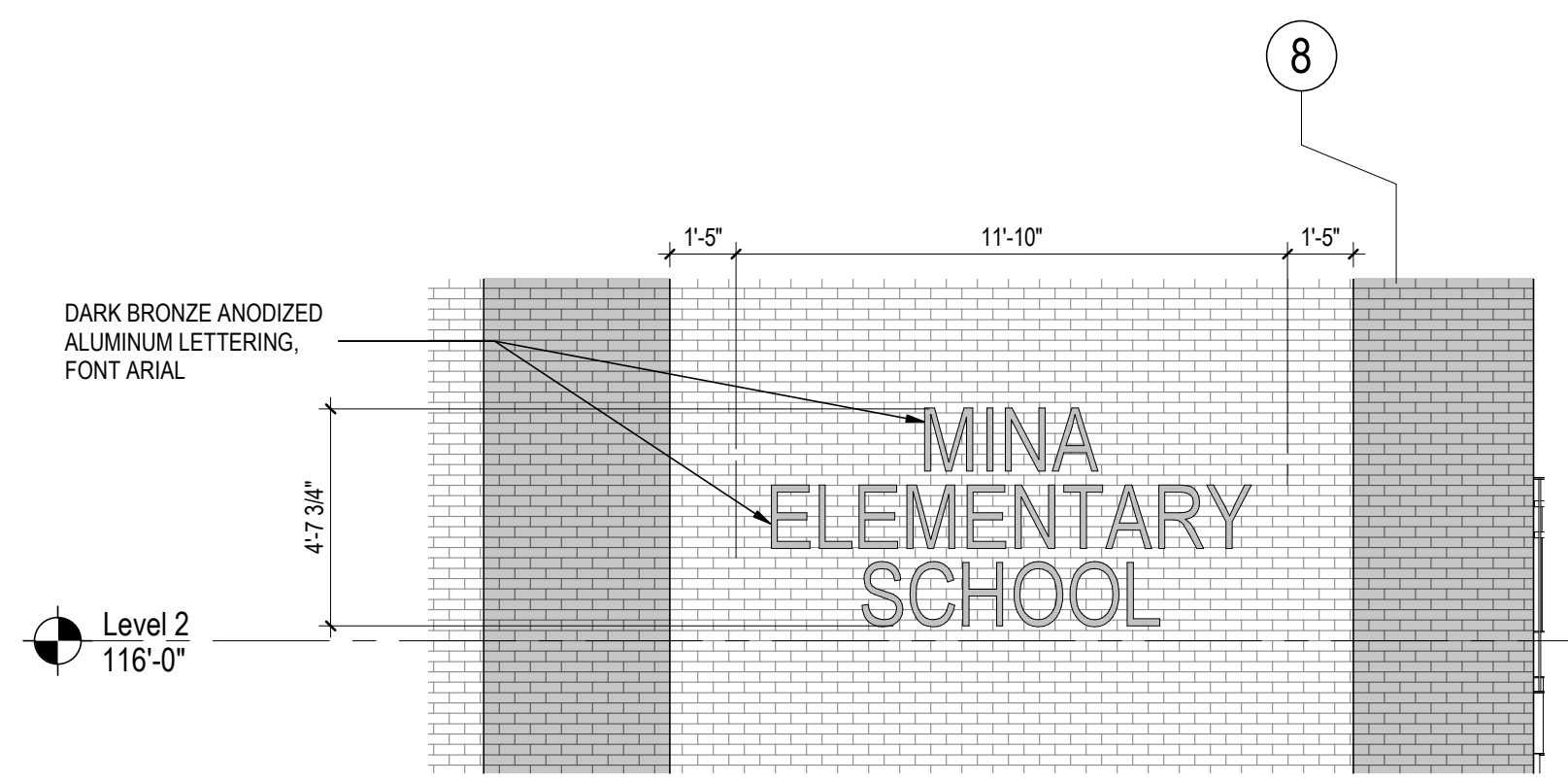
1. PROVIDE MEJ (MASONRY EXPANSION JOINTS) AT LOCATIONS AS SHOWN. FOR LOCATIONS NOT SHOWN, PROVIDE JOINTS 3'-4" FROM OUTSIDE CORNERS AND SPACED MAX. 20'-0" O.C.
2. REFER TO SHEET A801 FOR ADDITIONAL EXTERIOR FINISHES AND FINISH NOTES.
3. REFER TO ROOF PLAN A131 FOR GUTTER E.J. SCUPPER, AND LADDER LOCATIONS.
4. CONTINUE MASONRY ACCENT SCHEME AT ALL EXT. WALLS, INCLUDING AT ENTRIES, COLUMNS, AND WALLS NOT SHOWN ON ELEVATIONS.
5. ALL SIGNAGE REQUIRES A SEPARATE SIGN PERMIT.

GENERAL NOTES - EXTERIOR FINISH AND COLOR SCHEDULE:

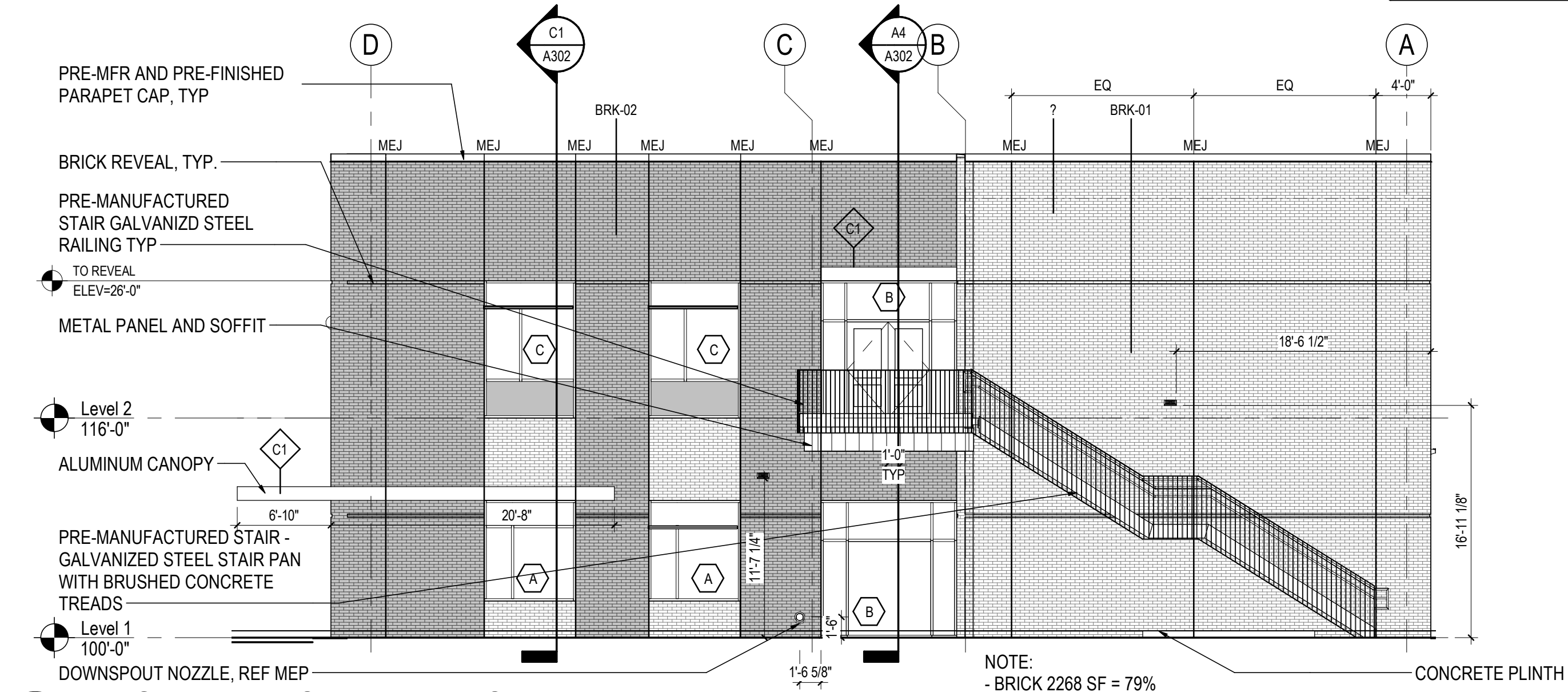
1. MANUFACTURERS NAMES AND IDENTIFICATION NUMBERS ARE LISTED AS A MEANS OF ESTABLISHING A STANDARD OF TYPE, FUNCTION, COLOR, AND QUALITY. REFER TO PROJECT MANUAL FOR ADDITIONAL MANUFACTURERS & PROCEDURES.
 2. THE CONTRACTOR SHALL SUBMIT TO THE ARCHITECT A SAMPLE OF ALL MATERIALS FOR APPROVAL BEFORE MATERIALS ARE APPLIED ON THE JOB.
 3. TERMINATE ALL ACCENT PAINTS & VINYL WALL COVERING ON INSIDE CORNERS ONLY UNLESS OTHERWISE INDICATED.
 4. PAINT ALL EXTERIOR EXPOSED PIPING. VERIFY COLOR W/ ARCHITECT.
 5. ALL EXTERIOR STEEL LINTELS SHALL BE GALVANIZED.
 6. ALL FLAGPOLES TO HAVE CLEAR ANODIZED FINISH (UON).
 7. ALL ALUM. WINDOWS & DOOR FRAMES SHALL BE CLEAR ANODIZED. EXTERIOR GLAZING TO BE ACCORDING TO MANUFACTURER VITRO "SOLARBAN" INSULATION GLASS, TYP.
 8. ALL EXTERIOR METAL SHALL BE FINISHED AS FOLLOWS:
 - CLEAR ANOD. - ALUMINUM STOREFRONT, ALUMINUM WINDOWS
 - PM - COPING, AND FLASHING NOTED ON THE DRAWINGS.
 - PM - ALL UNDESIGNATED PRE-FINISHED METAL
 - PM - PRE-FINISHED LOUVERS
 - PM - GUTTERS, DOWNSPOUTS, BRACKETS & D.S. BOOTS
 - PM - ALUMINUM HANDRAILS.
 - GALVANIZED - HOLLOW METAL DOORS, FRAMES AND STEEL HANDRAILS.
- MATCH ADJ. WALL - ALL EXPOSED COUNTER FLASHING, PIPE SUPPORTS AND OTHER MISC. FLASHING (U.O.N.).
- ANOD. ALUMINUM - ALL METAL BUILDING SIGNAGE.

Notes

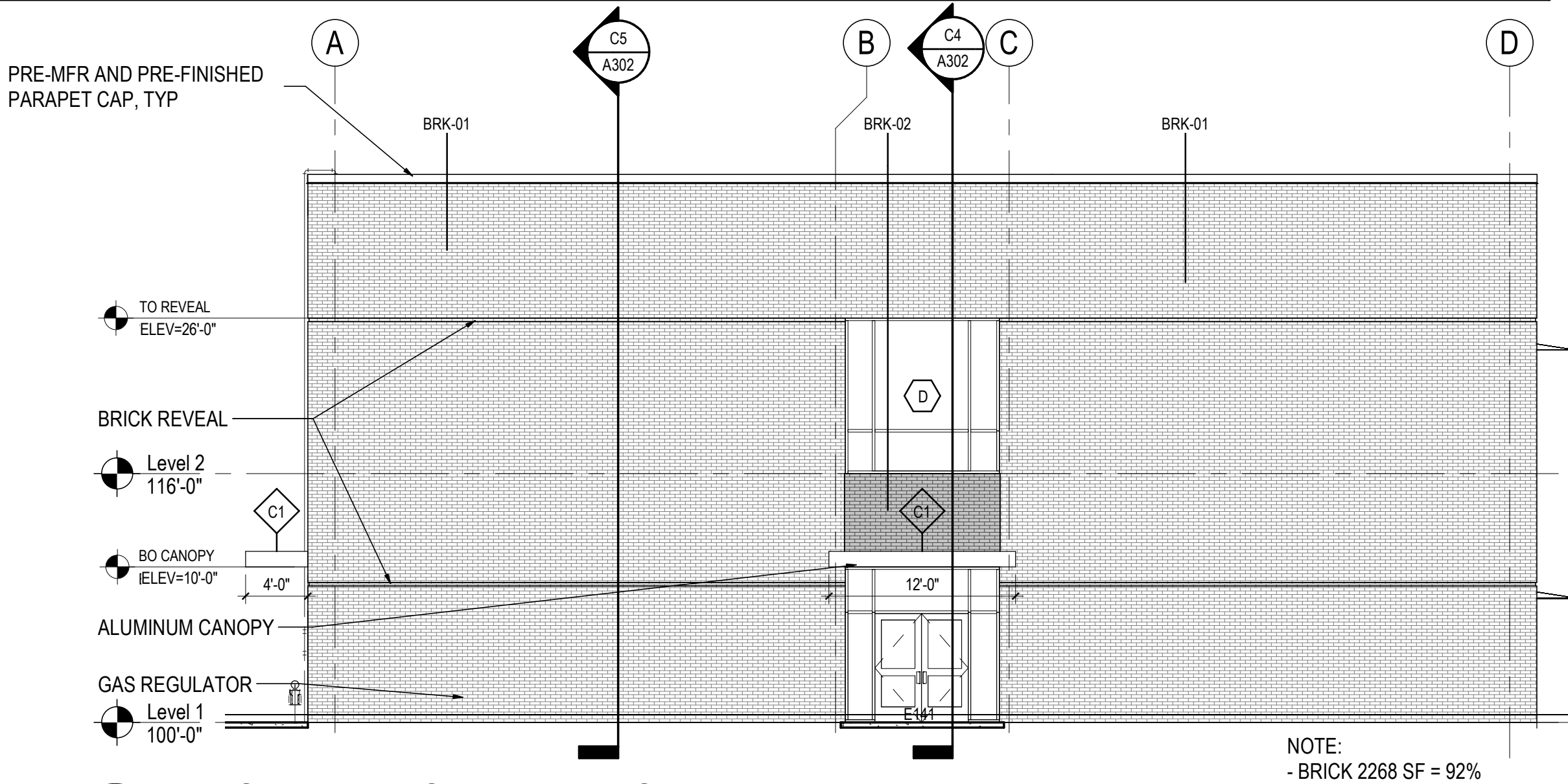
MATERIAL SCHEDULE - EXTERIOR							
NAME	MARK	MANUFACTURER	COLOR	STYLE	REMARKS	E P D	H P D
ALUMINUM FRAMES-EXTERIOR	-	KAWNEER	CLEAR ANODIZED ALUMINUM	TRIFAB 6017SERIES 500	THERMALLY BROKEN	Yes	No
ALUMINUM FRAMES-INTERIOR	-	KAWNEER	CLEAR ANODIZED ALUMINUM	TRIFAB VERSAGLAZE 450	-	Yes	No
BRICK LINTEL	-	-	PAINTED TO MATCH COPING	-	-		
BRICK-1	BK-1	UPCHURCH KIMBOROUGH (CLOUD CERAMICS)	FRENCH GREY	-	-	No	No
BRICK-2	BK-2	UPCHURCH KIMBOROUGH BELDEN	CRANBERRY	GLAZED	-	No	No
CONCRETE MASONRY UNIT	CMU	TBD	GRAY	-	HOLLOW LOAD BEARING CMU - 6X16X THICKNESS INDICATED	No	No
DIMENSIONAL LETTER BUILDING SIGNAGE	-	-	DARK BRONZE ANODIZED ALUMINUM	-	-		
GLAZING	GLZ-1	VITRO	CLEAR	-	TEMPERED 1/4" THK	Yes	No
GLAZING	GLZ-2	VITRO	CLEAR + CLEAR	-	IGU TEMPERED SOLARBAN 90 LOW-E GLASS	Yes	No
GLAZING	GLZ-3	VITRO	COLOR TBD	-	IGU SPANDREL W/ OPACIFIER APPLIED TO SURFACE #4	Yes	No
METAL CANOPY	C1	AVADEK	CLEAR ANODIZED ALUMINUM	-	SOFFIT TO BE METAL PANEL CLEAR ANODIZED AS WELL		
METAL PANEL	MP	CENTRIA	156 COLONIAL RED	1W-11A	METAL PANEL ON WALL & SOFFIT	No	No
MORTAR	-	TBD	COLOR TO MATCH FIELD BRICK	-	-	No	No
PARAPET CAP/COPING	-	PAC-CLAD	BURGUNDY	-	-		
SUNSHADE	-	KAWNEER	CLEAR ANODIZED ALUMINUM	VERSELEIL OUTRIGGER	-		



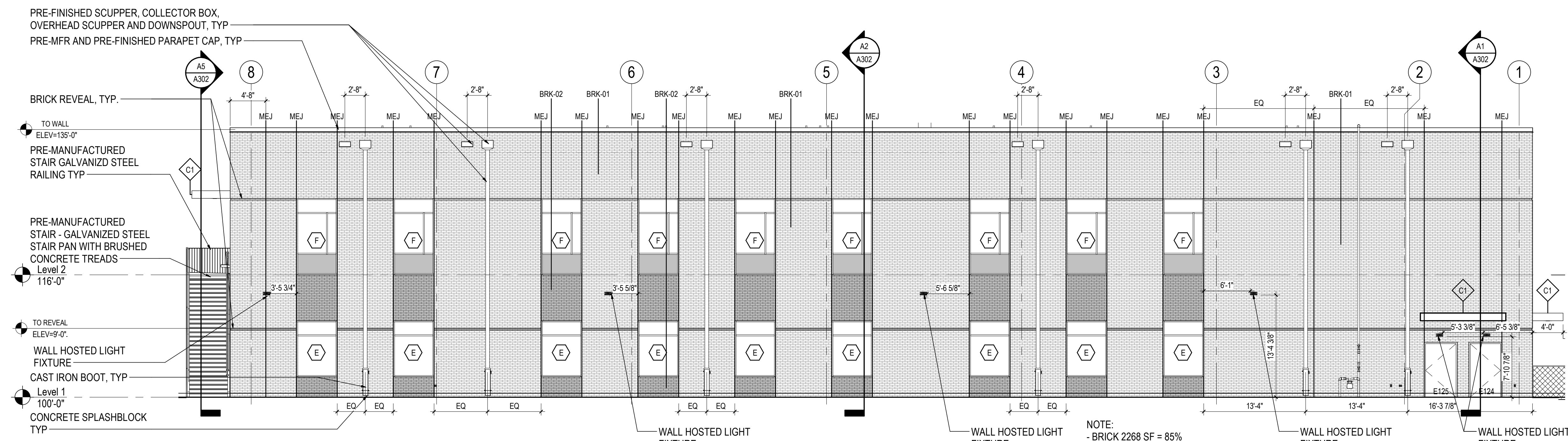
E1 BUILDING SIGN
1/4" = 1'-0"



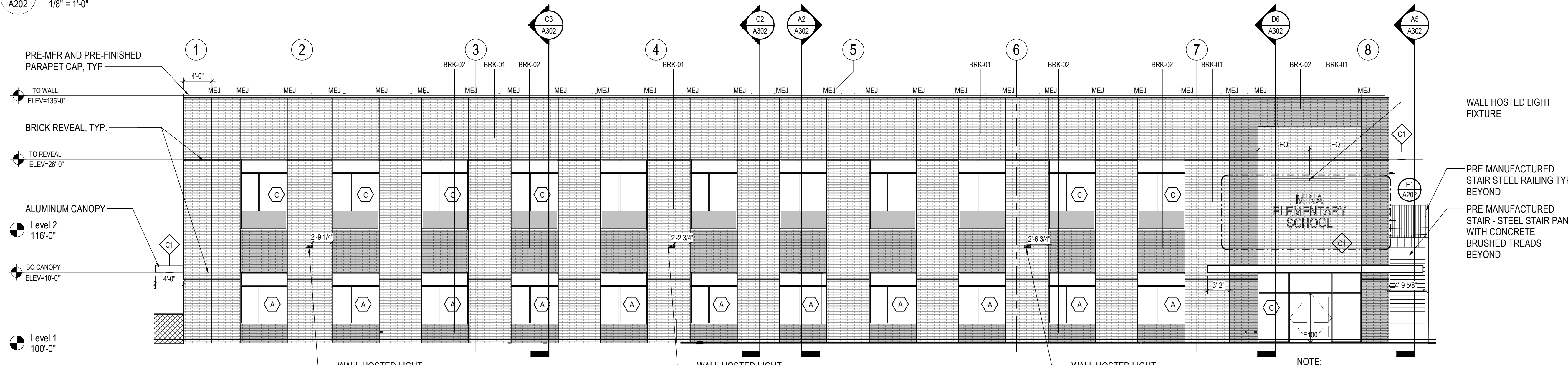
C1 EAST EXTERIOR ELEVATION
1/8" = 1'-0"



C3 WEST EXTERIOR ELEVATION
1/8" = 1'-0"

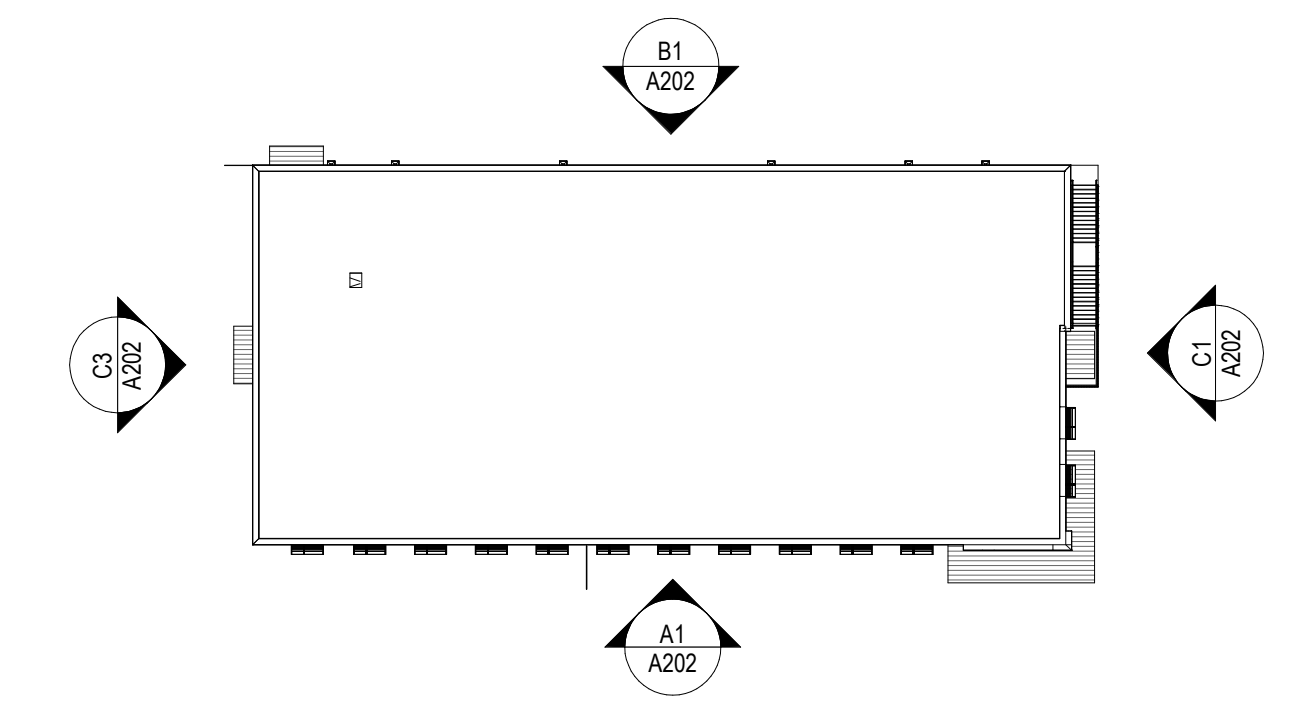


B1 NORTH EXTERIOR ELEVATION
1/8" = 1'-0"



A1 SOUTH EXTERIOR ELEVATION
1/8" = 1'-0"

A6 KEY PLAN EXTERIOR ELEVATIONS
1" = 40'-0"



Revision	By	Appd	YYYY.MM.DD
4	ASH # 013 - SCUPPER LOCATION AND HEAD DETAIL		2023.01.19
	CLARIFICATION		
3	ASH # 100 - SITE DEVELOPMENT COMMENTS		2022.07.25
2	ASH # 004 - CITY COMMENTS		2022.07.05
1	ADDENDUM 1		2022.04.01

FOR BIDDING AND CONSTRUCTION
Issued

Permit/Seal



FOR BIDDING AND CONSTRUCTION - 2022.03.21

Client/Project Logo



Client/Project
BASTROP ISD

MINA ELEMENTARY SCHOOL

1203 Hill St
Bastrop, TX 78602

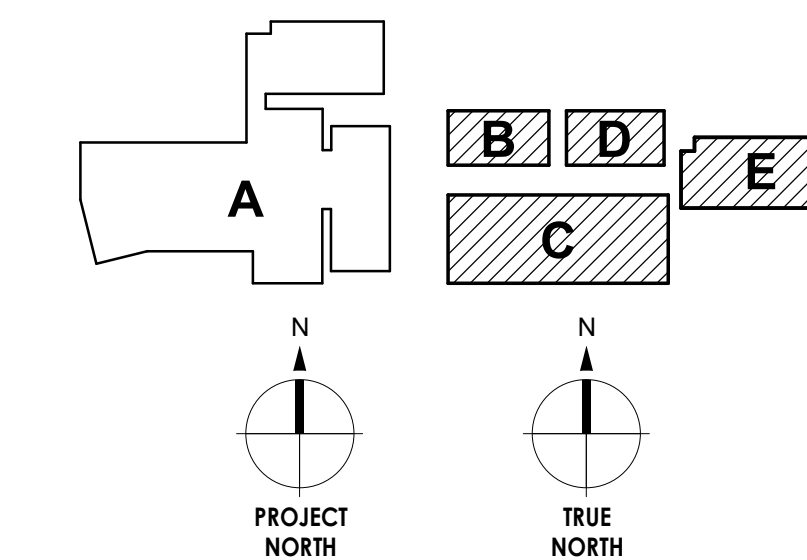
Title
EXTERIOR ELEVATIONS

Project No.
214000955
Revision

Scale
As Indicated
Drawing No.

4
A202

FAYETTE STREET
(R.O.W.VARIES)



Revision	By	Appd	YYYY.MM.DD
1. REF # 097 MONUMENT / MARQUEE PERMIT & CBS RELOCATION			2023.05.24

FOR BIDDING AND CONSTRUCTION
Issued By Appd 2022.03.21 2022.03.21

Permit/Seal

FOR BIDDING AND CONSTRUCTION - 2022.03.21

Client/Project Logo



Client/Project
BASTROP ISD

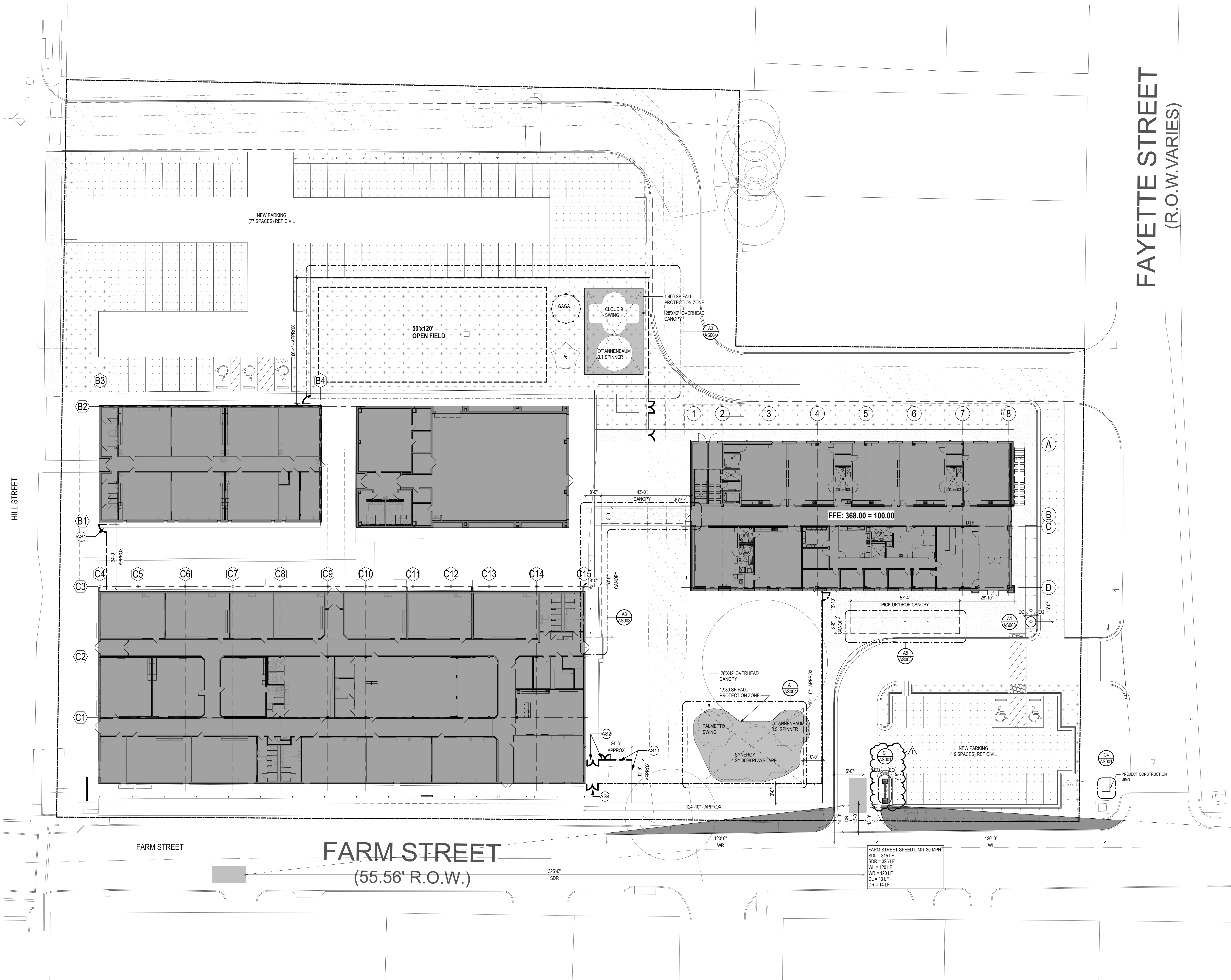
MINA ELEMENTARY SCHOOL

1203 Hill St
Bastrop, TX 78602

Title
ENLARGED ARCHITECTURAL SITE PLAN

Project No.
214000955
Revision
1

Scale
As Indicated
Drawing No.
AS002



1 ARCHITECTURAL SITE PLAN
AS002 1" = 20'-0"



Stantec Architecture Inc.
910 Louisiana Street, Suite 2600
Houston TX 77002-4916

March 6, 2023

Project/File: 214000955

City of Bastrop - Planning Department
1311 Chestnut Street
Bastrop, TX 78602

To whom this may concern,

Reference: Monument Permit - Mina Elementary School Additions and Renovations

Please accept this letter and accompanying exhibits as our application for a Sign Variance for the Mina Elementary School building addition/renovation project.

The project includes a monument sign (marquee sign) which overall dimensions are, 7'-0" HT, 2'-6" depth and 12'-8" long, the sign will be built with a reinforced CMU on top of concrete foundation, the finish is with two brick tones matching the main building, and cover with a precast concrete cap. In the middle the sign will have a 4'-0" x 8'-0" sign box and on top of the sign box will be the school logo.

This sign has already been constructed and just needs approval for an interior LED bulb to be used to illuminate the sign.

The checklist and all required exhibits for the Monument Permit can be found in the attachments of this submittal. Should you have any questions or concerns regarding this Monument Permit submittal, please do not hesitate to contact our office.

Regards,

STANTEC ARCHITECTURE INC.

A handwritten signature in black ink that reads 'Amber O'Donnell'.

Amber O'Donnell Credentials
Principal
Phone: (512) 867-6012
aodonnell@stantec.com

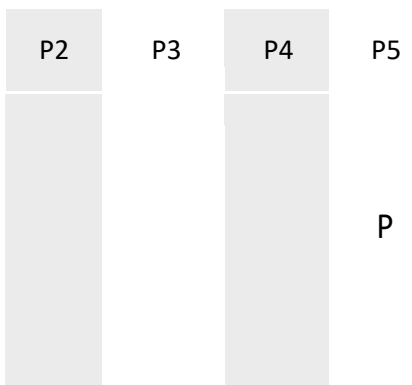
Attachment: [AS001 – Architectural Site plan]

Design with community in mind

Doing business as: Stantec Architecture and Engineering (NY) | Stantec Architecture P.C. (DC, MS, MO, NE) | For a list of our registered architects, please visit stantec.com/registeredarchitects.

K)

PLACE TYPES ▶



SPECIFICATIONS ▼

MONUMENT

- a. **Quantity:** 1 max per Frontage
- b. **Height:** 35 ft max. in P5 on SH 71 *see v
20 ft max in P5 on SH 95 & Loop 150
6 ft max in P5
- c. **Max Height to width ratio:** 4:1

DESCRIPTION

A Sign permanently affixed to the ground at its base or by poles that are enclosed by natural stone, stucco, brick, or wood and not mounted to a part of a Building. Pole(s) may be used to construct a Monument Sign so long as the poles are not visible below the Sign.

SIGN DETAILS

- i. A Monument Sign can be defined as a ground Sign generally having a low profile with little or no Open Space between the ground and the Sign and having a Structure constructed of masonry, wood, or materials similar in appearance.
- ii. How to Measure:
 - (1) Maximum total Height is measured from the finished grade at the center of the Sign. If the finished grade at the center of the Sign is higher than the finished grade of the closest paved surface, then the Height shall be measured from the finished grade of the closest paved surface.
 - (2) The monument base shall be a maximum of 2 feet in Height and shall be included in the calculation of total Height.
 - (3) A Monument Sign width cannot exceed 2 times the allowable Sign Height.
- iii. The max Height allowed along SH. 71 is 35 feet. Height limit is 8 feet if Band Sign Height exceeds 4 feet.
- iv. The max Height allowed along Loop 150 and SH 95 is 20 feet. Height limit is 8 feet if Band Sign height exceeds 4 feet.
- v. Signs along SH 71, SH 95 and Loop 150 can be internally illuminated.
- vi. A warrant for internal illumination can be requested.
- vii. Cannot be located within a Sight Triangle.

Section 8.2.003 Variances

(d) The ZBA may decide, subject to appropriate conditions, and only after a finding based on the evidence presented that strict compliance with the requirements of this Code will result in substantial undue hardship, sufficient mitigation, or inequity to the applicant without sufficient corresponding benefit to the City and its citizens in accomplishing the objectives of this Chapter.

The Sign Administrator and ZBA shall consider:

- (1) Special or unique hardship because of the size or shape of the property on which the Sign is to be located, or the visibility of the property from public roads.
- (2) Hardship claim based on the exceptional topographic conditions or physical features uniquely affecting the property on which a Sign is to be located.
- (3) Proposed Sign location, configuration, design, materials and colors are harmonious.
- (4) The Sign and its supporting structure is in architectural harmony with the surrounding Structures.
- (5) Mitigation measures related to the Sign in question or other Signs on the same Premises.
- (6) Demonstrated and documented correlation between the Variance and protecting the public health and safety.
- (7) Whether the Sign could have been included in a Master Sign Plan. Master Sign plans are highly encouraged. The City will be more inclined to favorably consider a Variance request when the Variance is part of a Master Sign Plan. There will be a presumption against granting variances piecemeal, ad hoc, on a case-by-case basis when the Sign for which a Variance is sought could have

been included in a Master Sign Plan and considered in the course of a comprehensive review of the entire Project's signage.

- (8) The Sign Administrator may authorize the remodeling, renovation, or alteration of a Sign when some nonconforming aspect of the Sign is thereby reduced.