

ISSUE: Certificate of Appropriateness for alterations (signage)

APPLICANT: Archer Hotel, represented by Gary Brent, Agent

LOCATION: Old and Historic Alexandria District
1600 King Street

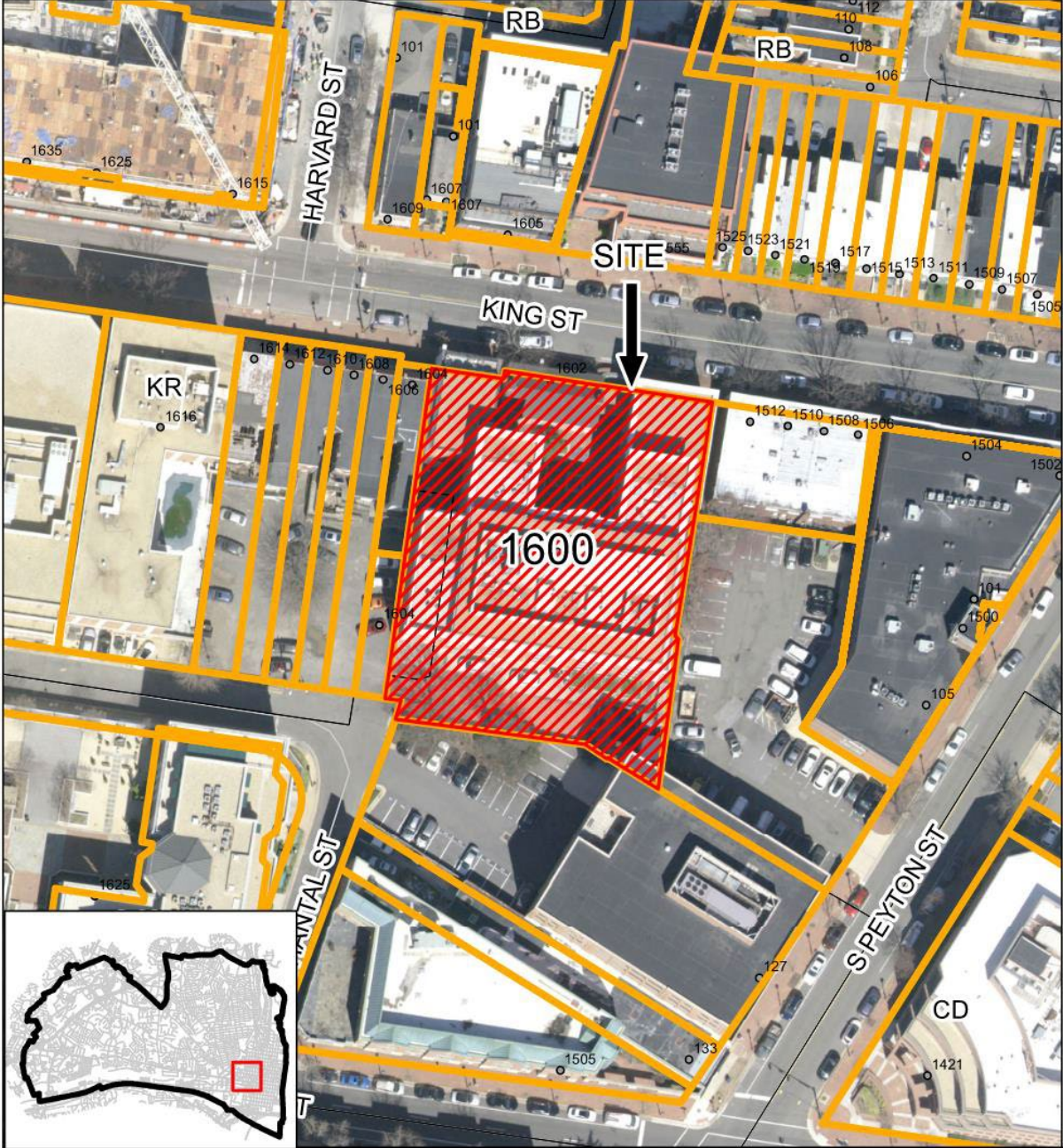
ZONE: CD / Commercial Downtown Zone

STAFF RECOMMENDATION

Staff recommends approval of the Certificate of Appropriateness for alterations, with the condition that anchors for all the signs should be installed into the mortar joints on the masonry to avoid damaging the brick.

GENERAL NOTES TO THE APPLICANT

1. **APPEAL OF DECISION:** In accordance with the Zoning Ordinance, if the Board of Architectural Review denies or approves an application in whole or in part, the applicant or opponent may appeal the Board's decision to City Council on or before 14 days after the decision of the Board.
2. **COMPLIANCE WITH BAR POLICIES:** All materials must comply with the BAR's adopted policies unless otherwise specifically approved.
3. **BUILDING PERMITS:** Most projects approved by the Board of Architectural Review require the issuance of one or more construction permits by Department of Code Administration (including signs). The applicant is responsible for obtaining all necessary construction permits after receiving Board of Architectural Review approval. Contact Code Administration, 703-746-4200 for further information.
4. **ISSUANCE OF CERTIFICATES OF APPROPRIATENESS AND PERMITS TO DEMOLISH:** Applicants must obtain a copy of the Certificate of Appropriateness or Permit to Demolish PRIOR to applying for a building permit. Contact BAR Staff, Room 2100, City Hall, 703-746-3833, or preservation@alexandriava.gov for further information.
5. **EXPIRATION OF APPROVALS NOTE:** In accordance with Sections 10-106(B), 10-206(B) and 10-307 of the Zoning Ordinance, any Board of Architectural Review approval will expire 12 months from the date of issuance if the work is not commenced and diligently and substantially pursued by the end of that 12-month period.
6. **HISTORIC PROPERTY TAX CREDITS:** Applicants performing extensive, certified rehabilitations of historic properties may separately be eligible for state and/or federal tax credits. Consult with the Virginia Department of Historic Resources (VDHR) prior to initiating any work to determine whether the proposed project may qualify for such credits.



BAR#2024-00372
1600 King Street



I. APPLICANT’S PROPOSAL

The applicant requests a Certificate of Appropriateness for alterations to install one wall sign, one canopy sign, and one blade sign.

Site context

The subject property is the Archer Hotel complex, previously known as the Lorien Hotel. The signage, particularly the canopy sign, will be highly visible from King Street.

II. HISTORY

The existing hotel complex at 1600 King Street, built in **2006**, was approved under a Development Special Use Permit (DSUP) in 2005 for condominium use. The change in use to a hotel was approved in 2006 by an amendment to the prior DSUP. At the time of the original DSUP approval, this block of upper King Street was not included within the boundaries of the Old and Historic Alexandria District. Initially, the Board only reviewed the exterior design details and materials for the new building, as well as the changes to the row of three, 100-Year Old Buildings at 1520, 1522, and 1524 King Street, which now houses one of the restaurants. The Old and Historic District was expanded in May of 2006 to include the entire block in which the hotel and its associated buildings are located and is now under the purview of the Board.

Since the change in use to a hotel, the Board has most recently approved signage for the hotel and restaurants on September 3, 2008 (BAR2008-0117), other alterations to the previously approved plans, including storefront changes, windows, and penthouse expansion (BAR2007-0234), and a walk-in cooler structure (BAR2009-00147). Additionally, a wall sign for the Cualtzin Salon was approved administratively in 2015.

BAR2005-00165	New construction
BAR2007-00234	Alterations to previously approved plans
BAR2008-00117	Signage
BAR2009-00147	Alterations
BAR2015-00300	Signage

III. ANALYSIS

The applicant requests a Certificate of Appropriateness for alterations to install three signs:

- Sign A (Figure 1) will be a non-illuminated canopy sign, 19.35 square feet in area. It will have fabricated metal letters affixed to the existing canopy structure at the entrance to the courtyard. The letters will be colored white satin.
- Sign B (Figure 2) will be a non-illuminated wall sign, 7.3 square feet in area, located inside the courtyard and set back far from the street. It will have ½” thick acrylic painted plate letters painted white satin.

- Sign C (Figure 3) will be a blade sign, 4.71 square feet in area. It will be hung on an existing illuminated bracket arm that has down lighting (no new illumination is proposed). It will be a 2 ¼” deep fabricated sign panel with ¼” FCO elements flush mounted to the face, painted black with white gloss.



Figure 1: Existing (left) and proposed (right) canopy sign at the courtyard entrance, facing King Street

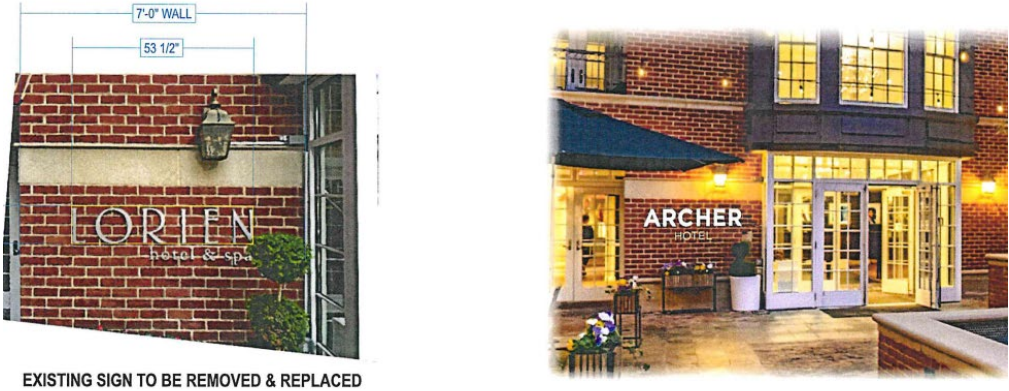


Figure 2: Existing (left) and proposed (right) wall sign in courtyard



Figure 3: Proposed blade sign, using existing bracket

This sign package requires a Certificate of Appropriateness because canopy signs are not a type of sign that can be approved administratively by staff, regardless of whether it is replacing an existing sign. The existing canopy sign that reads “LORIEN hotel & spa” was approved as part of the 2008 BAR case. In the staff report for BAR2008-00117, the existing canopy sign was described as a “curved metal sign, with an 11’6” radius...over the passageway into the courtyard entrance to the hotel...will span 15’3” and have a clearance of 8’9”...will be two tiered, with free standing ½” thick brushed aluminum letters attached to the top tier”. Additionally, the existing sign was approved to have LED cove lighting.

According to the *Design Guidelines*, “Signs and awnings are prominent visual elements of the streetscape in commercial areas of the historic districts.” The *Design Guidelines* encourage signage to be compatible and blend in with the architecture of the building. Further, “When signs distract, shout out to the pedestrian, are not sensitively placed on the architecture or obscure it, a negative image of the historic commercial streetscape is created.”

In the opinion of staff, the proposed signage is appropriate in size, design, and material. The sign locations and styles were already approved as part of the original sign package in 2008, and the proposed signs will reuse the existing bracket and canopy to not damage any building elements. Staff also finds it appropriate that no new illumination is proposed as part of the sign installation, instead making use of existing lighting that has already been approved by the Board. Therefore, staff recommends approval of the Certificate of Appropriateness for alterations, with the condition that anchors for all signs should be installed into the mortar joints on the masonry to avoid damaging the brick.

STAFF

Brendan Harris, Historic Preservation Planner, Planning & Zoning
Tony LaColla, AICP, Land Use Services Division Chief, Planning & Zoning

IV. CITY DEPARTMENT COMMENTS

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

Zoning

C-1 Proposed wall signs will comply with Zoning.

Code Administration

C-1 Building permit is required.

Transportation and Environmental Services

When there is a Site Plan:

1. Comply with all requirements of [DSP2006-00036](T&ES)
2. The Final Site Plan must be approved and released and a copy of that plan must be attached to the demolition permit application. No demolition permit will be issued in advance of the building permit unless the Final Site Plan includes a demolition plan which clearly represents the demolished condition. (T&ES)

Alexandria Archaeology

F-1 No archaeology comments.

V. ATTACHMENTS

1 – Application Materials

- Completed application
- Plans
- Material specifications
- Scaled survey plat if applicable
- Photographs

2 – Supplemental Materials

- Public comment if applicable
- Any other supporting documentation

BAR CASE# _____
(OFFICE USE ONLY)

ADDRESS OF PROJECT: 1600 King Street

DISTRICT: Old & Historic Alexandria Parker – Gray 100 Year Old Building

TAX MAP AND PARCEL: 063.04-09-21 ZONING: _____

APPLICATION FOR: *(Please check all that apply)*

- CERTIFICATE OF APPROPRIATENESS
- PERMIT TO MOVE, REMOVE, ENCAPSULATE OR DEMOLISH
(Required if more than 25 square feet of a structure is to be demolished/impacted)
- WAIVER OF VISION CLEARANCE REQUIREMENT and/or YARD REQUIREMENTS IN A VISION CLEARANCE AREA *(Section 7-802, Alexandria 1992 Zoning Ordinance)*
- WAIVER OF ROOFTOP HVAC SCREENING REQUIREMENT
(Section 6-403(B)(3), Alexandria 1992 Zoning Ordinance)

Applicant: Property Owner Business *(Please provide business name & contact person)*

Name: Archer Hotel

Address: ████████ King Street

City: Alexandria State: VA Zip: ████████

Phone: _____ E-mail: _____

Authorized Agent *(if applicable)*: Attorney Architect Agent

Name: Gary Brent

Phone: ████████

E-mail: ████████

Legal Property Owner:

Name: Alexandria LW Hotel Associates LP

Address: ████████████████████████████████████████

City: ████████ State: ████ Zip: ████████

Phone: _____ E-mail: _____

NATURE OF PROPOSED WORK: *Please check all that apply*

- NEW CONSTRUCTION
- EXTERIOR ALTERATION: *Please check all that apply.*
 - awning
 - doors
 - lighting
 - other _____
 - fence, gate or garden wall
 - windows
 - pergola/trellis
 - HVAC equipment
 - siding
 - painting unpainted masonry
 - shutters
 - shed
- ADDITION
- DEMOLITION/ENCAPSULATION
- SIGNAGE

DESCRIPTION OF PROPOSED WORK: *Please describe the proposed work in detail (Additional pages may be attached).*

Install 1 non-illuminated wall sign 1.46' X 5' = 7.3 SQFT

 Install 1 non-illuminated canopy sign 1.29' X 15' = 19.35 SQFT

 Install 1 non-illuminated blade sign 2.17' X 2.17' = 4.71 SQFT

SUBMITTAL REQUIREMENTS:

Check this box if there is a homeowner's association for this property. If so, you must attach a copy of the letter approving the project.

Items listed below comprise the **minimum supporting materials** for BAR applications. Staff may request additional information during application review. Please refer to the relevant section of the *Design Guidelines* for further information on appropriate treatments.

Applicants must use the checklist below to ensure the application is complete. Include all information and material that are necessary to thoroughly describe the project. Incomplete applications will delay the docketing of the application for review. Pre-application meetings are required for all proposed additions. All applicants are encouraged to meet with staff prior to submission of a completed application.

Demolition/Encapsulation : *All applicants requesting 25 square feet or more of demolition/encapsulation must complete this section. Check N/A if an item in this section does not apply to your project.*

- N/A
- Survey plat showing the extent of the proposed demolition/encapsulation.
- Existing elevation drawings clearly showing all elements proposed for demolition/encapsulation.
- Clear and labeled photographs of all elevations of the building if the entire structure is proposed to be demolished.
- Description of the reason for demolition/encapsulation.
- Description of the alternatives to demolition/encapsulation and why such alternatives are not considered feasible.

Additions & New Construction: Drawings must be to scale and should not exceed 11" x 17" unless approved by staff. Check N/A if an item in this section does not apply to your project.

- ^{N/A} Scaled survey plat showing dimensions of lot and location of existing building and other structures on the lot, location of proposed structure or addition, dimensions of existing structure(s), proposed addition or new construction, and all exterior, ground and roof mounted equipment.
- FAR & Open Space calculation form.
- Clear and labeled photographs of the site, surrounding properties and existing structures, if applicable.
- Existing elevations must be scaled and include dimensions.
- Proposed elevations must be scaled and include dimensions. Include the relationship to adjacent structures in plan and elevations.
- Materials and colors to be used must be specified and delineated on the drawings. Actual samples may be provided or required.
- Manufacturer's specifications for materials to include, but not limited to: roofing, siding, windows, doors, lighting, fencing, HVAC equipment and walls.
- For development site plan projects, a model showing mass relationships to adjacent properties and structures.

Signs & Awnings: One sign per building under one square foot does not require BAR approval unless illuminated. All other signs including window signs require BAR approval. Check N/A if an item in this section does not apply to your project.

- ^{N/A} Linear feet of building: Front: 138 Secondary front (if corner lot): 130.
- Square feet of existing signs to remain: 0.
- Photograph of building showing existing conditions.
- Dimensioned drawings of proposed sign identifying materials, color, lettering style and text.
- Location of sign (show exact location on building including the height above sidewalk).
- Means of attachment (drawing or manufacturer's cut sheet of bracket if applicable).
- Description of lighting (if applicable). Include manufacturer's cut sheet for any new lighting fixtures and information detailing how it will be attached to the building's facade.

Alterations: Check N/A if an item in this section does not apply to your project.

- ^{N/A} Clear and labeled photographs of the site, especially the area being impacted by the alterations, all sides of the building and any pertinent details.
- Manufacturer's specifications for materials to include, but not limited to: roofing, siding, windows, doors, lighting, fencing, HVAC equipment and walls.
- Drawings accurately representing the changes to the proposed structure, including materials and overall dimensions. Drawings must be to scale.
- An official survey plat showing the proposed locations of HVAC units, fences, and sheds.
- Historic elevations or photographs should accompany any request to return a structure to an earlier appearance.

ALL APPLICATIONS: *Please read and check that you have read and understand the following items:*

- I understand that after reviewing the proposed alterations, BAR staff will invoice the appropriate filing fee in APEX. The application will not be processed until the fee is paid online.
- I understand the notice requirements and will return a copy of the three respective notice forms to BAR staff at least five days prior to the hearing. If I am unsure to whom I should send notice I will contact Planning and Zoning staff for assistance in identifying adjacent parcels.
- I, the applicant, or an authorized representative will be present at the public hearing.
- I understand that any revisions to this initial application submission (including applications deferred for restudy) must be accompanied by the BAR Supplemental form and revised materials.

The undersigned hereby attests that all of the information herein provided including the site plan, building elevations, prospective drawings of the project, and written descriptive information are true, correct and accurate. The undersigned further understands that, should such information be found incorrect, any action taken by the Board based on such information may be invalidated. The undersigned also hereby grants the City of Alexandria permission to post placard notice as required by Article XI, Division A, Section 11-301(B) of the 1992 Alexandria City Zoning Ordinance, on the property which is the subject of this application. The undersigned also hereby authorizes the City staff and members of the BAR to inspect this site as necessary in the course of research and evaluating the application. The applicant, if other than the property owner, also attests that he/she has obtained permission from the property owner to make this application.

APPLICANT OR AUTHORIZED AGENT:

Signature: _____

Printed Name: Gary Brent

Date: 10-8-24

OWNERSHIP AND DISCLOSURE STATEMENT

Use additional sheets if necessary

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

Name	Address	Percent of Ownership
1. SEE ATTACHED		
2.		
3.		

2. Property. State the name, address and percent of ownership of any person or entity owning an interest in the property located at 1600 King Street, Alexandria, VA 22314 (address), unless the entity is a corporation or partnership, in which case identify each owner of more than three percent. The term ownership interest shall include any legal or equitable interest held at the time of the application in the real property which is the subject of the application.

Name	Address	Percent of Ownership
1. Alexandria LW Hotel Associates, L.P.	██████████ Wichita, KS 67226	100%
2.		
3.		

3. Business or Financial Relationships. Each person or entity listed above (1 and 2), with an ownership interest in the applicant or in the subject property is required to disclose any business or financial relationship, as defined by Section 11-350 of the Zoning Ordinance, existing at the time of this application, or within the 12-month period prior to the submission of this application with any member of the Alexandria City Council, Planning Commission, Board of Zoning Appeals or either Boards of Architectural Review.

Name of person or entity	Relationship as defined by Section 11-350 of the Zoning Ordinance	Member of the Approving Body (i.e. City Council, Planning Commission, etc.)
1. None		
2.		
3.		

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

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

10/7/2024
Date

Roy R. Baker, Exec. V.P. & Treasurer
Printed Name


Signature

Ownership of Alexandria LW Hotel Associates, L.P. (Applicant)

<u>Name</u>	<u>Address</u>	<u>Percentage of Ownership</u>
Tegernsee, L.P.	[REDACTED] Wichita, KS 67226	25.0%
Prof. Dr. Martin Viessmann	[REDACTED] 35088 Battenberg, Germany	24.9975%
Oliver Hopp	[REDACTED] St. Leon-Rot, Germany	15.0%
Loxley, LLC	[REDACTED] Wichita, KS 67206	15.0%
Wichita Consulting Company, L.P.	[REDACTED] Wichita, KS 67226	6.5025%
Broadmoor Partners, L.P.	[REDACTED] Wichita, KS 67226	3.25%

PROJECT SCHEDULE

SIGN TYPE/ DESCRIPTION:	QTY.:	PG.
SIGN A FCO PLATE LETTERS	ONE (1)	4 - 5
SIGN B NON-ILLUNATED CHANNEL LETTERS ON RACEWAY	ONE (1)	6 - 8
SIGN C FCO ON ALUMINUM SIGN BODY WITH EYE-BOLTS TO HANG ON EXISTING DOWN-LIT SIGN BRACKET	ONE (1)	9 - 11

PROJECT:

LODGEWORKS[®]

ARCHER[®]

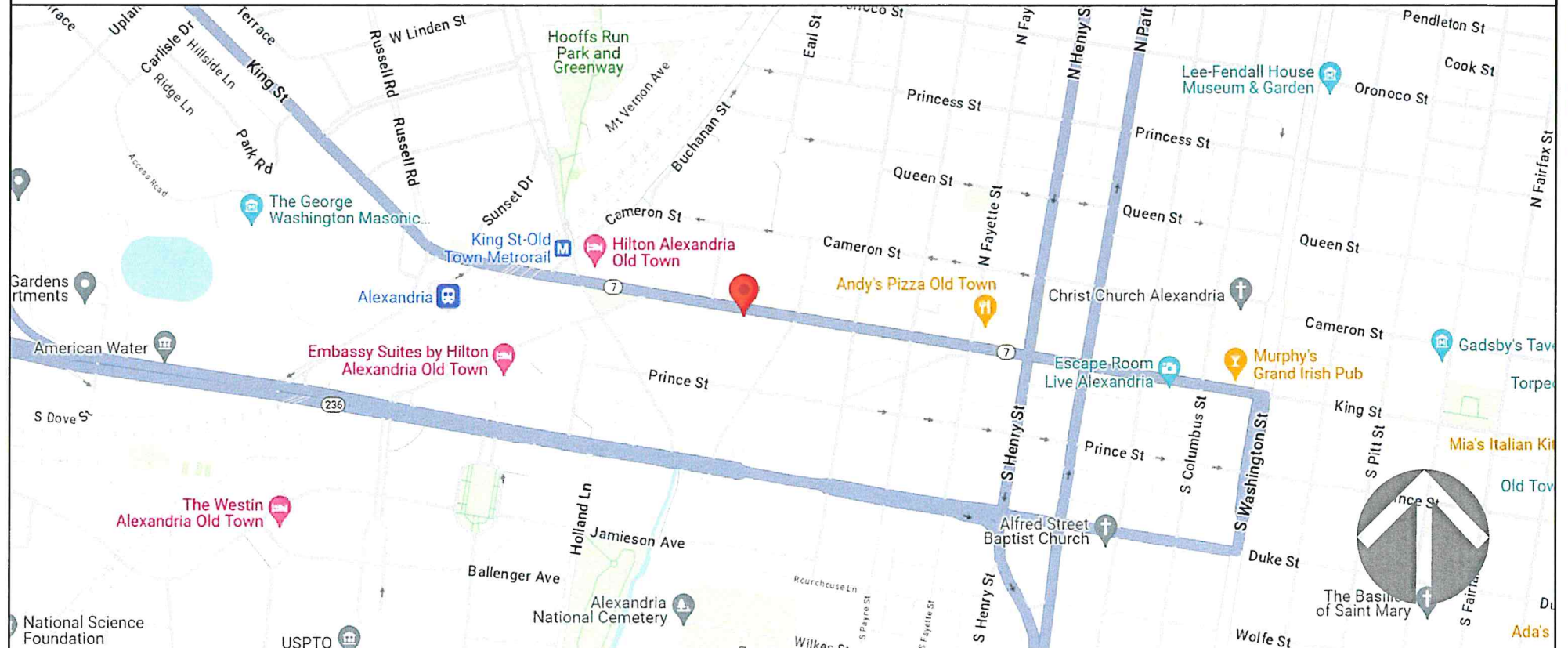
HOTEL

Lodgeworks
Archer Hotel Old Town Alexandria
1600 King Street
Alexandria, VA 22031

REVISIONS

#	DATE	DB	NOTES
T3	09/04/2024	FOSTER	T DWG MERGE 222870 - KR

MAP



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CLIENT & LOCATION

LODGEWORKS

ARCHER[®]
HOTEL

Lodgeworks
Archer Hotel Old Town Alexandria
1600 King Street
Alexandria, VA 22031

LEAD NO.	SM/PM	REVIEW	SHEET NO.
222152 T3	BH		1 of 12
DATE	ARTIST	SEG. NO.	
06/28/2024	FOSTER		

SIGN A - BUILDING DIMENSION NORTH ELEVATION / SIGN LOCATION

0.0
SCALE: 1"=15'-0"
1



SIGN A
FABRICATED NON-ILLUMINATED
LETTERS AFFIXED
TO EXISTING CANOPY STRUCTURE

SIGN B
ON WALL BEYOND
IN COURTYARD

SIGN C
BLADE SIGN HUNG ON
EXISTING ILLUMINATED
BRACKET ARM

persóna | **TRIANGLE**
SIGNAGE LIGHTING FACILITY SERVICES

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CLIENT & LOCATION
LODGEWORKS

ARCHER
HOTEL

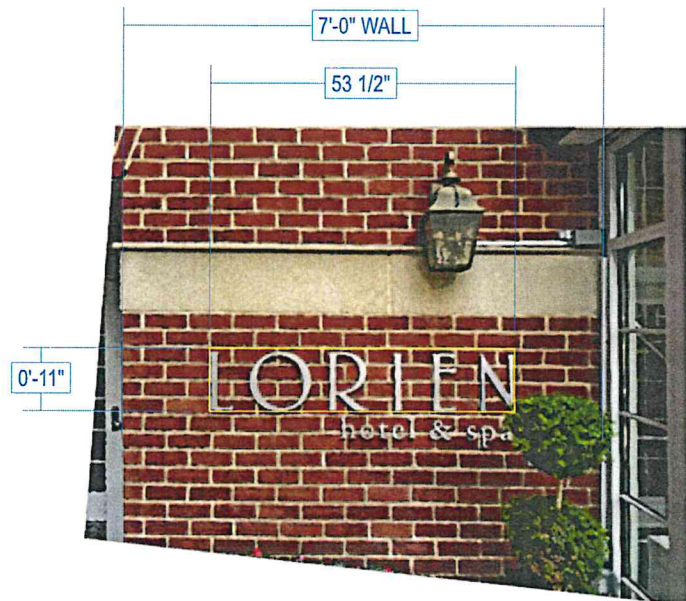
Lodgeworks
Archer Hotel Old Town Alexandria
1600 King Street
Alexandria, VA 22031

LEAD NO.
222152 T3
DATE
06/28/2024

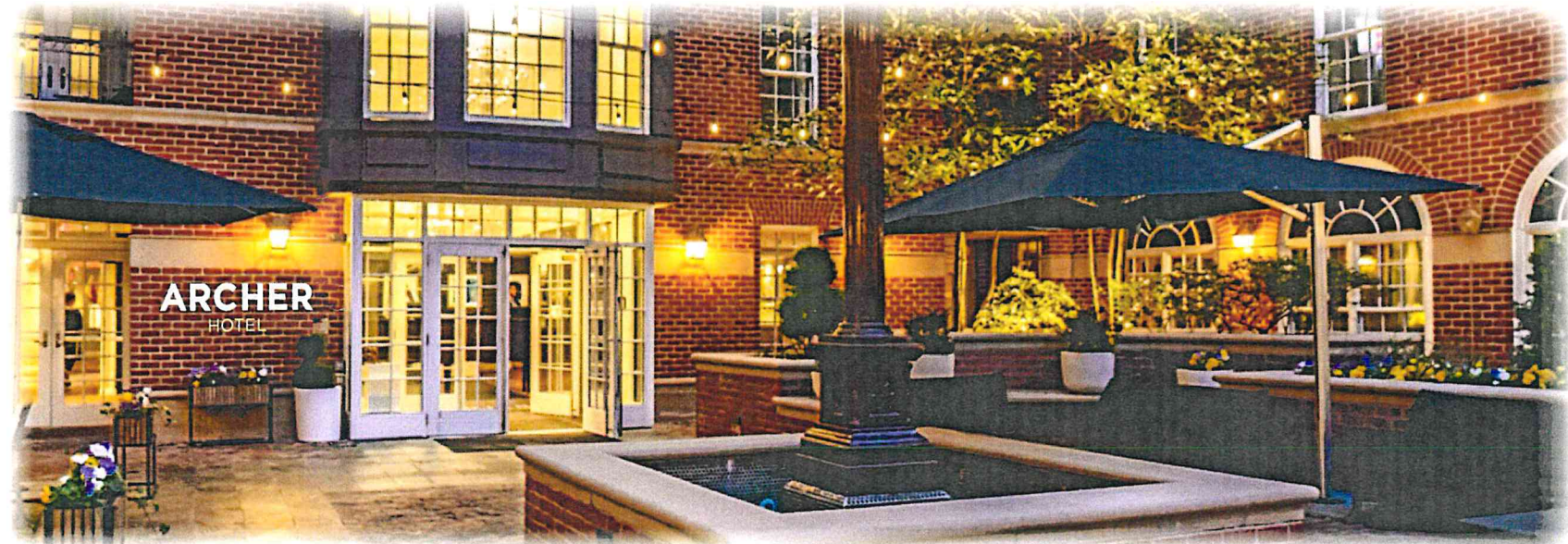
SM/PM
BH
ARTIST
FOSTER

REVIEW
SEG. NO.

SHEET NO.
3 of 12

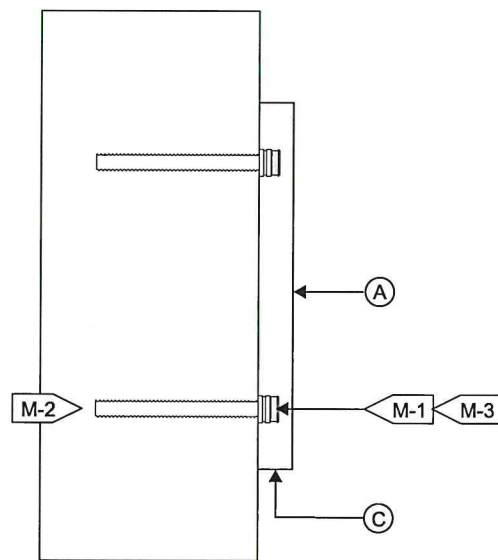


EXISTING SIGN TO BE REMOVED & REPLACED



TOTAL	Number	Comment
Square Footage	8.75	Square Feet
Height in Feet	6	height feet + height inches
Length in Feet	1.45833333333333	length feet + length inches
Square Inches	1260	Sq.In.
Height in Inches	72	height feet + height inches
Length in Inches	17.5	length feet + length inches

ONE (1) SIGN

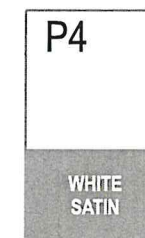


ACRYLIC LETTERS / NON-ILLUM. / FLUSH MOUNT W/ STUDS - N.T.S.	
(A) FACE	
MATERIAL:	ACRYLIC
COLOR:	P4
FINISH:	SATIN
(C) RETURNS	
DEPTH:	1/2" THK.
COLOR:	P4
FINISH:	SATIN
(M) MOUNTING SEE MOUNTING NOTE.	
M-1	4-40 EZ-LOK (OR EQ) BRASS INSERT
M-2	2" X 4-40 THREADED STUDS,
M-3	MOUNTS PRE-DRILLED HOLES W/ SEALANT.

FLAT CUT OUT (FCO) PLATE LETTERS
PAINTED P4 - WHITE

1/2" THICK ACRYLIC PAINTED

INSTALL WITH STUDS INTO EXTERIOR BRICK
WALL W/ SEALANT / ADHESUVE

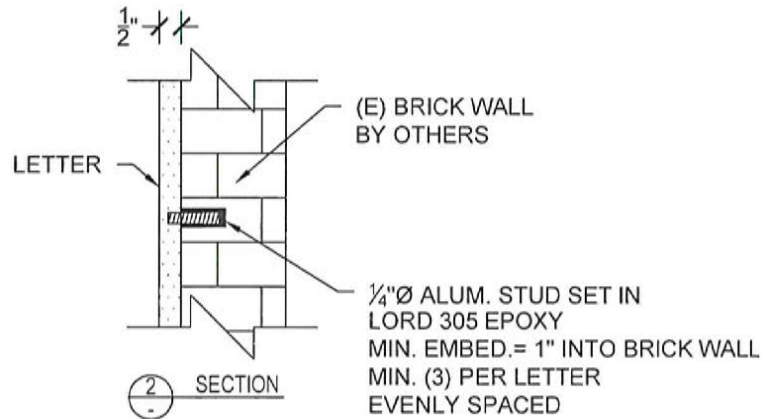
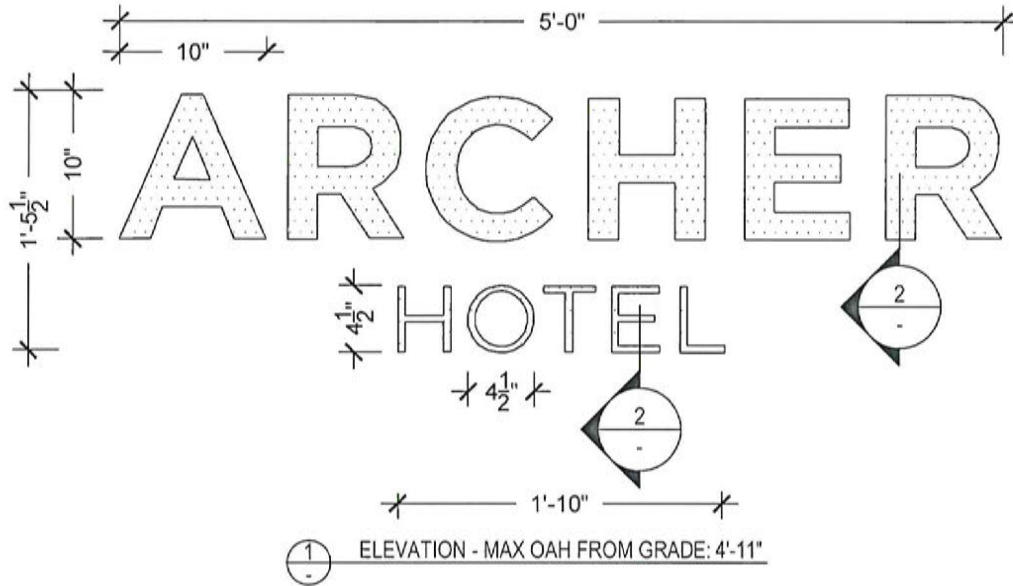




12396 WORLD TRADE DRIVE, SUITE 312,
 SAN DIEGO, CA 92128
 PROJECTMANAGER@SULLAWAYENG.COM
 PHONE: 1-858-312-5150 FAX: 1-858-777-3534

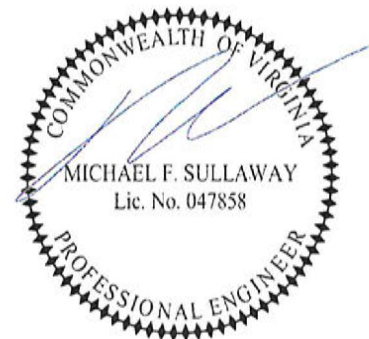
PROJECT: ARCHER HOTEL, SIGN TYPE: SIGN A, 1600 KING STREET, ALEXANDRIA, VA
 PROJECT #: 47642A
 CLIENT: TRIANGLE SIGN SERVICES

DATE: 9/19/2024
 ENGINEER: PRC
 LAST REVISED:



GENERAL NOTES

1. DESIGN CODE: IBC 2021 & VIRGINIA STATE UNIFORM BC 2021
2. DESIGN LOADS: ASCE 7-16
3. WIND VELOCITY 115 MPH EXPOSURE C
4. ALUMINUM ELEMENTS 6061-T6
5. LORD 305 EPOXY PER LORD SPECIFICATIONS
6. PROVIDE PROTECTION AGAINST DISSIMILAR METALS
7. ALL DIMENSIONS TO BE VERIFIED PRIOR TO FABRICATION
8. ALL EXISTING ELEMENTS AND DIMENSIONS TO BE VERIFIED IN FIELD





PROJECT: ARCHER HOTEL
 PROJ. NO.: 47642A
 CLIENT: TRIANGLE SIGN SERVICES

DATE: 9/19/24
 ENGINEER: PRC

v5.5

units; pounds, feet unless noted otherwise

Applied Wind Loads; from ASCE 7-16

$P_{net} = \lambda K_{zt} P_{net30}$	(ASCE 30.4-1)		
$\lambda = 1.21$	(ASCE Fig. 30.4-1)		
$K_{zt} = 1.0$	(unless unusual landscape)		
$V = 115$ mph		Exposure =	c
Area = 0.14 ft ²			
max. height = 4.92 ft			
$P_{net30} = 23.80$ psf		$P_{net} = 28.80$	psf
$P_{net30} = -31.90$ psf		$P_{net} = -38.60$	psf

Check 1/4" Dia. Alum. Stud, 6061-T6 Set In Lord 305 Epoxy into Brick (LRFD): $\phi = 0.65$

Alum. Stud

$P_{net} =$		=	38.60 psf (See Above)
Tributary Area of Letter "A" =	$A = (10") * (10") =$		0.694 ft ²
Wind Load =	$WL = P_{net} * A =$		0.027 kips
Dead Load =	$DL = 1.2 * 10 \text{ psf} * A =$		0.008 kips
#studs =		=	3 studs
Tension per stud =	$T_u = WL / \#studs =$		0.009 kips
Shear per stud =	$V_u = DL / \#studs =$		0.003 kips
dia. =	$d =$		0.250 in
$A_{stud} =$	$\pi * (d^2) / 4 =$		0.049 in ²
$F_{tu} =$		=	24 ksi
$F_{su} =$		=	15 ksi
No. of Threads =	$n =$		20
$\phi T_n =$	$\phi * F_{tu} * (PI() * (d - 1.191/n)^2) / 4 =$		0.444 kips ok
$\phi V_n =$	$\phi * F_{su} * (PI() * (d - 1.191/n)^2) / 4 =$		0.278 kips ok
Combined Check:	$T_u / \phi T_n + V_u / \phi V_n =$		0.030 < 1 ok

Lord-305 Epoxy

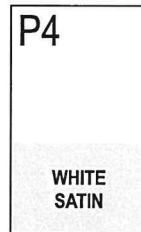
Circumference of Stud =	$C = \pi * \text{dia.} =$		0.785 in
Tension per Stud =		=	0.009 kips (See Above)
Epoxy Embed. =	$L =$		1 in
Bond Performance =	Per Lord 305 epoxy spec. =		0.490 ksi
$T_c =$	$C * L * \text{bond performance} =$		0.385 kips
Ratio Check =	$T / T_c =$		0.023 < 1 ok

NON-ILLUMINATED FABRICATED METAL LETTERS
REMOVABLE BACKS SECURED WITH C/S SCREWS
ALL LETTERS FINISHED IN P4 OVERALL

2" X 2" ALUMINUM TUBING - CAPPED ENDS
ROLLED TO RADIUS OF EXISTING CANOPY (VIF)
TUBE MOUNTS TO CANOPY TOP WITH ANGLE CLIPS
TUBE SUPPORT PAINTED TO MATCH CANOPY COLOR P3 TBD

INSTALL
LETTERS MOUNTED THROUGH BOTTOM
RETURNS TO TUBE RACEWAY WITH SELF TAPPING SCREWS.
LETTERS PAINTED MATCHING COLORS OVERALL

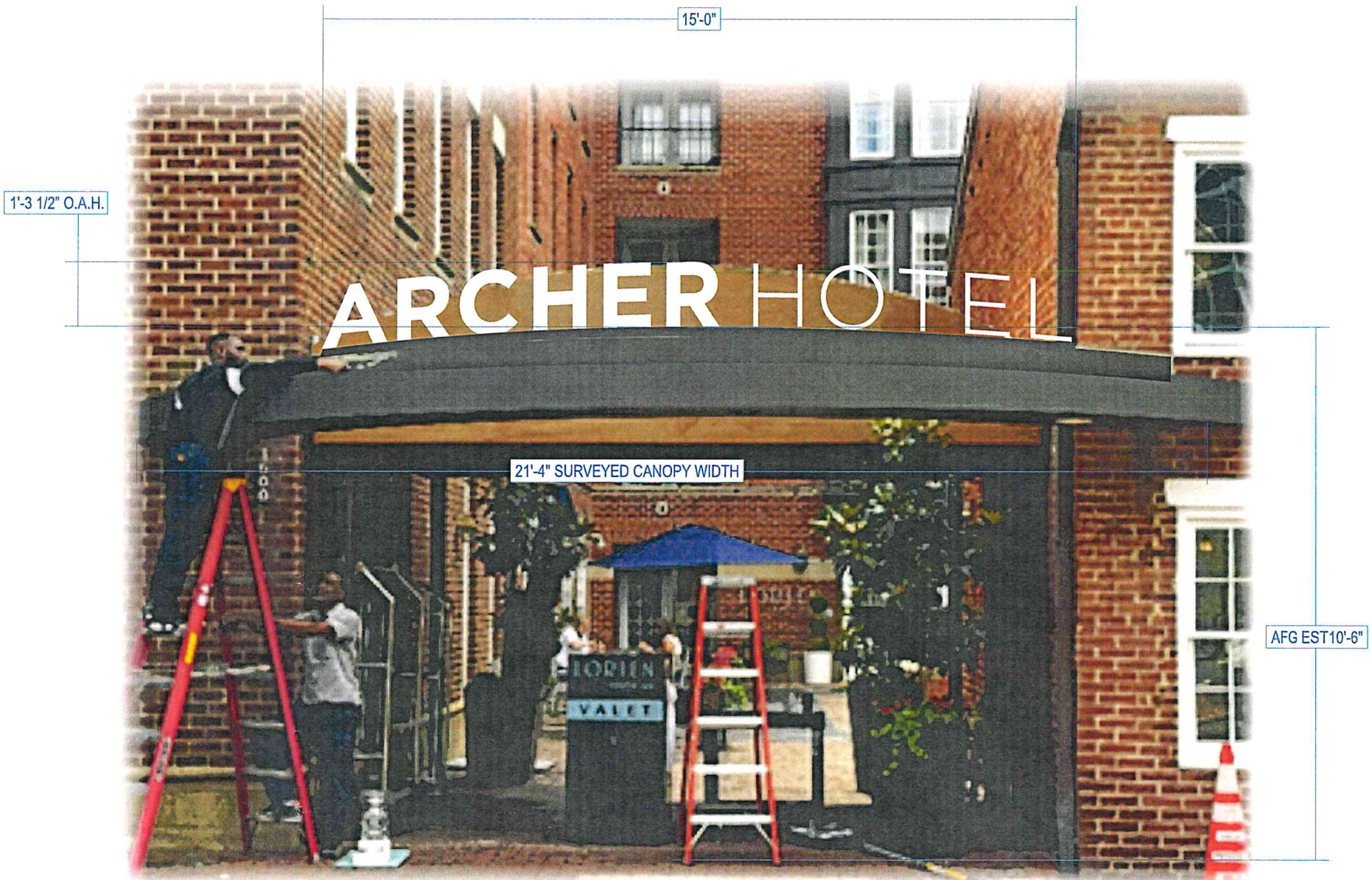
ALUMINUM RACEWAY MOUNTED TO TOP OF CANOPY WITH
SELF TAPPING SCREWS.
MOUNTING METHOD TBD - VIF

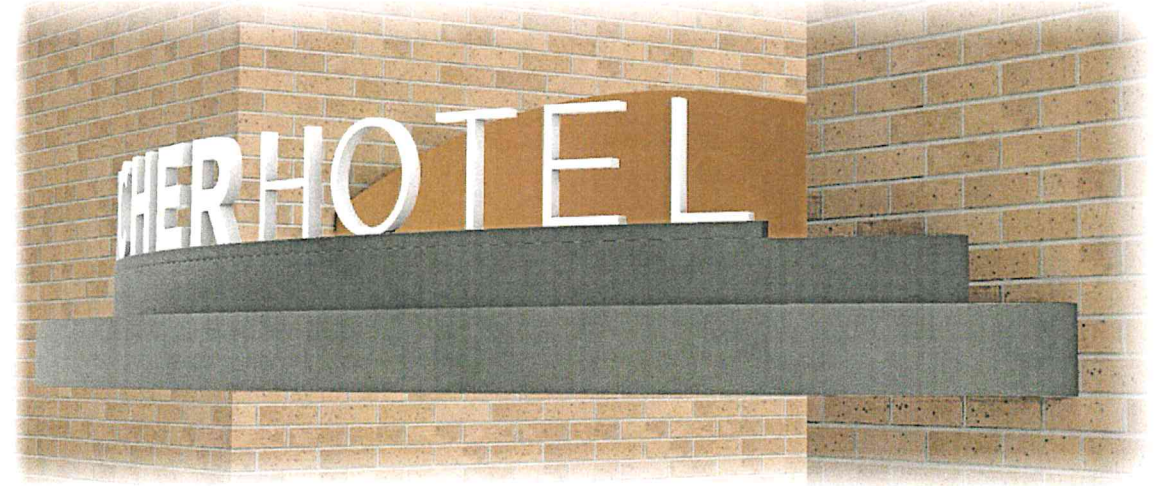


LORIEN 16" TALL X 73" WIDE
HOTEL & SPA 10" TALL X " WIDE



EXISTING SIGN TO BE REMOVED & REPLACED





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					DATE 06/28/2024	ARTIST FOSTER	SEG. NO.	

= 19.375 Sq.Ft. (19.38 sq.ft.)

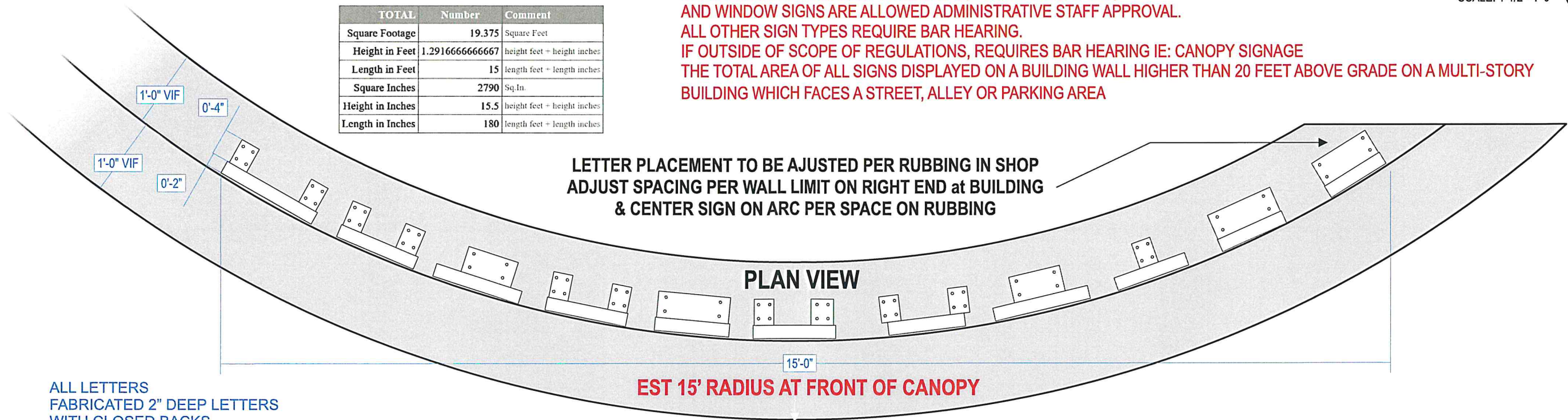
The Breakdown is:

TOTAL	Number	Comment
Square Footage	19.375	Square Feet
Height in Feet	1.2916666666667	height feet + height inches
Length in Feet	15	length feet + length inches
Square Inches	2790	Sq.In.
Height in Inches	15.5	height feet + height inches
Length in Inches	180	length feet + length inches

SIGN B - LAYOUT
SCALE: 1-1/2"=1'-0"

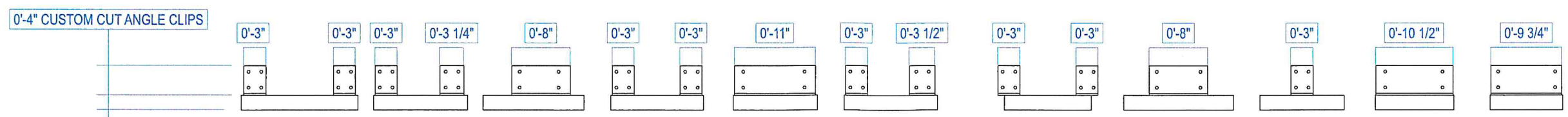
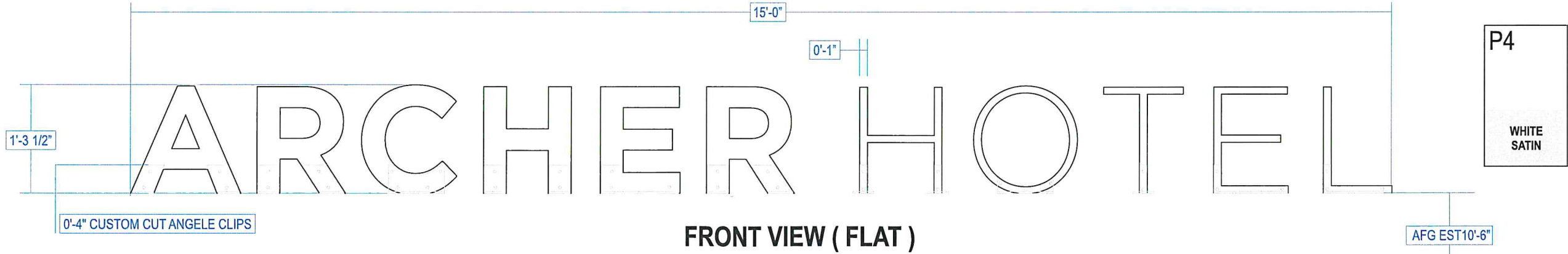
B
6

HISTORIC APPROVAL: ONLY WALL SIGNS, PROJECTING SIGNS, AND WINDOW SIGNS ARE ALLOWED ADMINISTRATIVE STAFF APPROVAL. ALL OTHER SIGN TYPES REQUIRE BAR HEARING. IF OUTSIDE OF SCOPE OF REGULATIONS, REQUIRES BAR HEARING IE: CANOPY SIGNAGE THE TOTAL AREA OF ALL SIGNS DISPLAYED ON A BUILDING WALL HIGHER THAN 20 FEET ABOVE GRADE ON A MULTI-STORY BUILDING WHICH FACES A STREET, ALLEY OR PARKING AREA



ALL LETTERS
FABRICATED 2" DEEP LETTERS
WITH CLOSED BACKS.
AFFIXED TO EXISTING CANOPY
TOP with CUSTOM CUT
4" X 4" X 1/4" ALUM. ANGLE CLIPS
& TEK-SCREWS

ONE (1) SIGN



LETTERS with CLIPS - PLAN VIEW (FLAT)

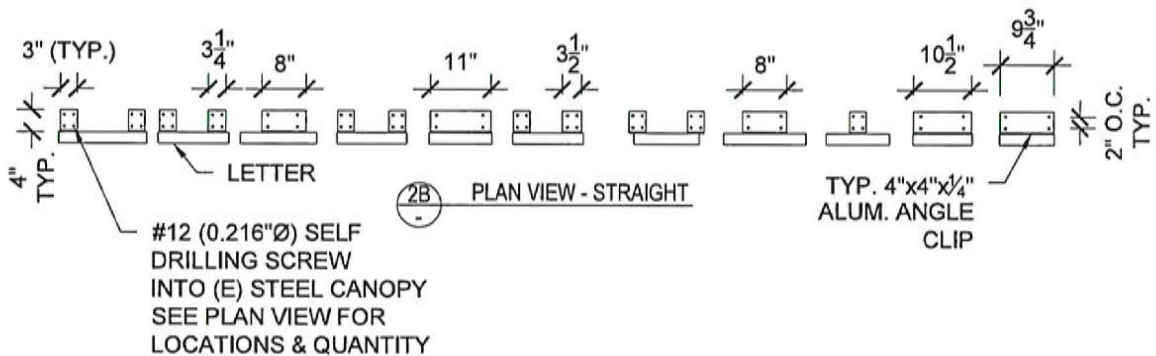
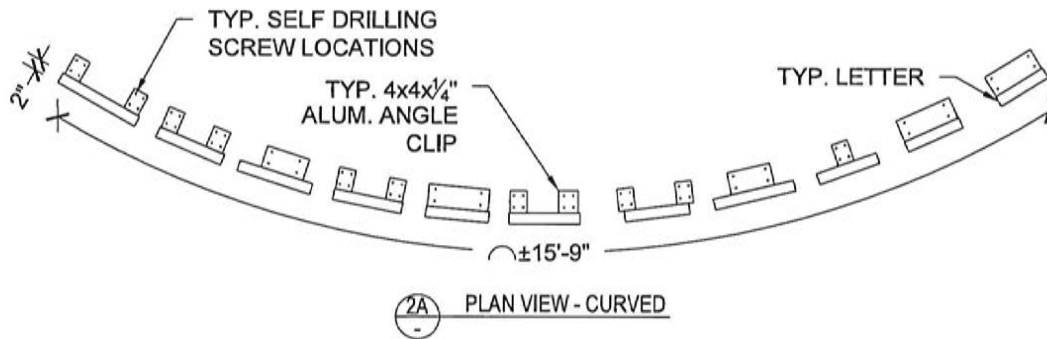
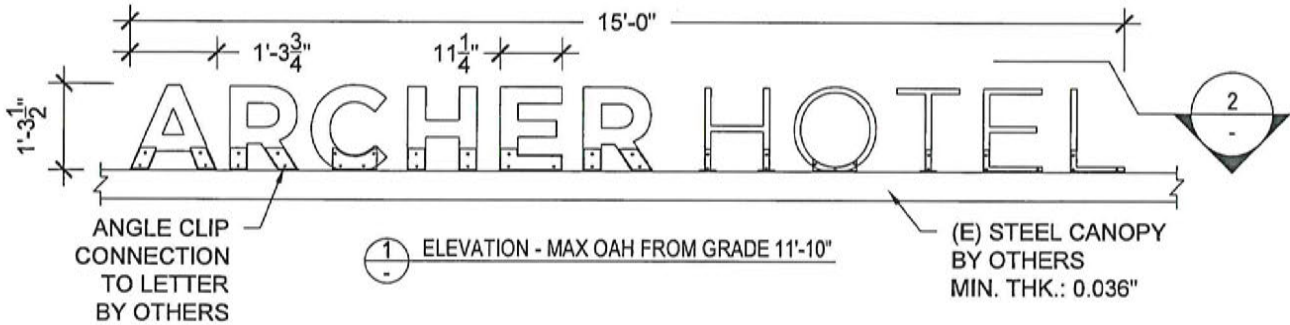
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				DATE 06/28/2024	ARTIST FOSTER	SEG. NO.	



12396 WORLD TRADE DRIVE, SUITE 312
 SAN DIEGO, CA 92128
 PROJECTMANAGER@SULLAWAYENG.COM
 PHONE: 1-858-312-5150 FAX: 1-858-777-3534

PROJECT: ARCHER HOTEL, SIGN B, 1600 KING STREET, ALEXANDRIA, VA
 PROJECT #: 47642B
 CLIENT: TRIANGLE SIGN SERVICES

DATE: 09/19/2024
 ENGINEER: TH
 LAST REVISED:



GENERAL NOTES

1. DESIGN CODE: IBC 2018 & VIRGINIA USBC 2018
2. DESIGN LOADS: ASCE 7-16
3. WIND VELOCITY 115 MPH EXPOSURE C
4. SELF DRILLING SCREWS PER ICC-ESR-1976 SPECIFICATIONS OR EQUIVALENT
5. PROVIDE PROTECTION AGAINST DISSIMILAR METALS
6. ALL DIMENSIONS TO BE VERIFIED PRIOR TO FABRICATION
7. ALL EXISTING ELEMENTS AND DIMENSIONS TO BE VERIFIED IN FIELD





PROJECT: ARCHER HOTEL
 PROJ. NO.: 47642B
 CLIENT: TRIANGLE SIGN SERVICES

DATE: 9/19/2024
 ENGINEER: TH

vs.5

units; pounds, feet unless noted otherwise

Applied Wind Loads; from ASCE 7-16

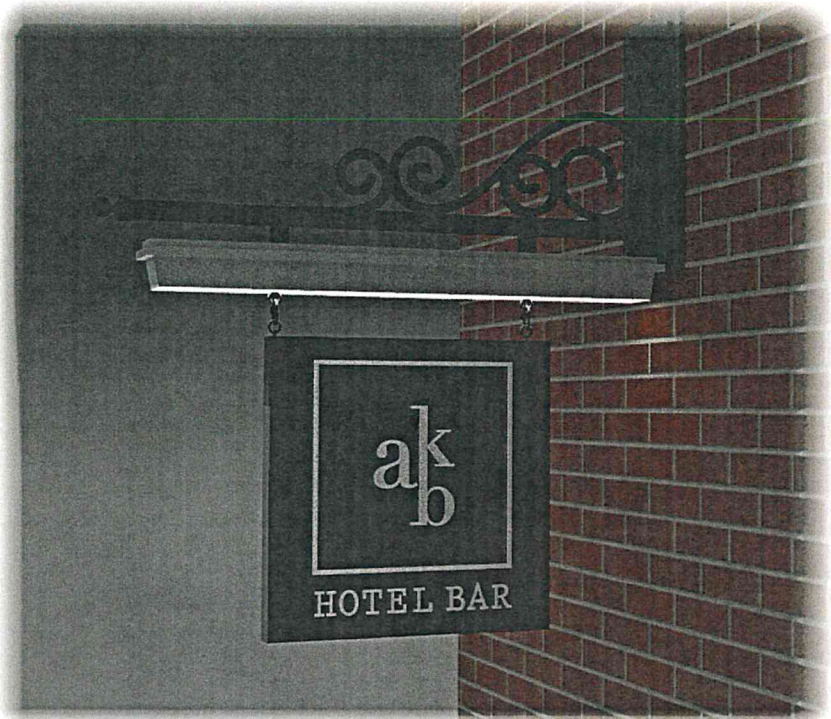
$P_{net} = \lambda K_{zt} P_{net30}$	(ASCE 30.4-1)		
$\lambda = 1.21$	(ASCE Fig. 30.4-1)		
$K_{zt} = 1.0$	(unless unusual landscape)		
$V = 115$ mph		Exposure =	c
Area = 0.18 ft ²			
max. height = 11.83 ft			
$P_{net30} = 23.80$ psf		$P_{net} = 28.80$	psf
$P_{net30} = -31.90$ psf		$P_{net} = -38.60$	psf

Check #12 (0.216" Dia.) Self Drilling Screws - Angle Clip to Canopy (ASD):

		$t_{contact} = 0.250$ " min
		$t_{noncontact} = 0.036$ " min
$P_{net} =$	$= 38.60$ psf	(See Above)
Tributary Area =	$A = 0.825$ ft ²	(From AutoCAD)
Wind Load =	$WL = 0.6 * P_{net} * A =$	19 lbs
Dead Load =	$DL = 10 \text{psf} * A =$	8 lbs
# screws =	$=$	4 screws
dia. =	$=$	0.216 in
arm (WL) =	$(1' - 3.5'') / 2 =$	7.75 in
MWL =	$WL * \text{arm} =$	148 lb-in
Spacing (WL) =	$Sw =$	2 in
Additional tension due to WL =	$TWL = MWL / Sw / 2 \text{ screws} =$	37 lbs
Tension per screw =	$T = TWL =$	42 lbs
Shear per screw =	$V = WL / \# \text{ screws} =$	5 lbs
Tension capacity =	(per ICC-ESR-1976) $T_c =$	99 lbs (Min(99lb, 1184lb))
Shear capacity =	(per ICC-ESR-1976) $V_c =$	200 lbs (Min(200lb, 724lb))
Combined Check:	$T/T_c + V/V_c =$	0.446 < 1 OK

Check 4x4x0.25" Aluminum Angle Clip (ASD):

		$f_y = 15$ ksi	$\Omega = 1.65$
arm =	3 in	$T = 0.042$ k	(See Above)
b =	3 in	$t = 0.250$ in	
M at Angle Clip =		$2 * T * \text{arm} =$	0.251 k-in
S =		$bt^2 / 6 =$	0.031 in ³
$Mn / \Omega =$		$1.5 * f_y * S / \Omega =$	0.426 k-in
Ratio check =	$(M \text{ at Angle Clip}) / (Mn / \Omega) =$	0.588 < 1	OK



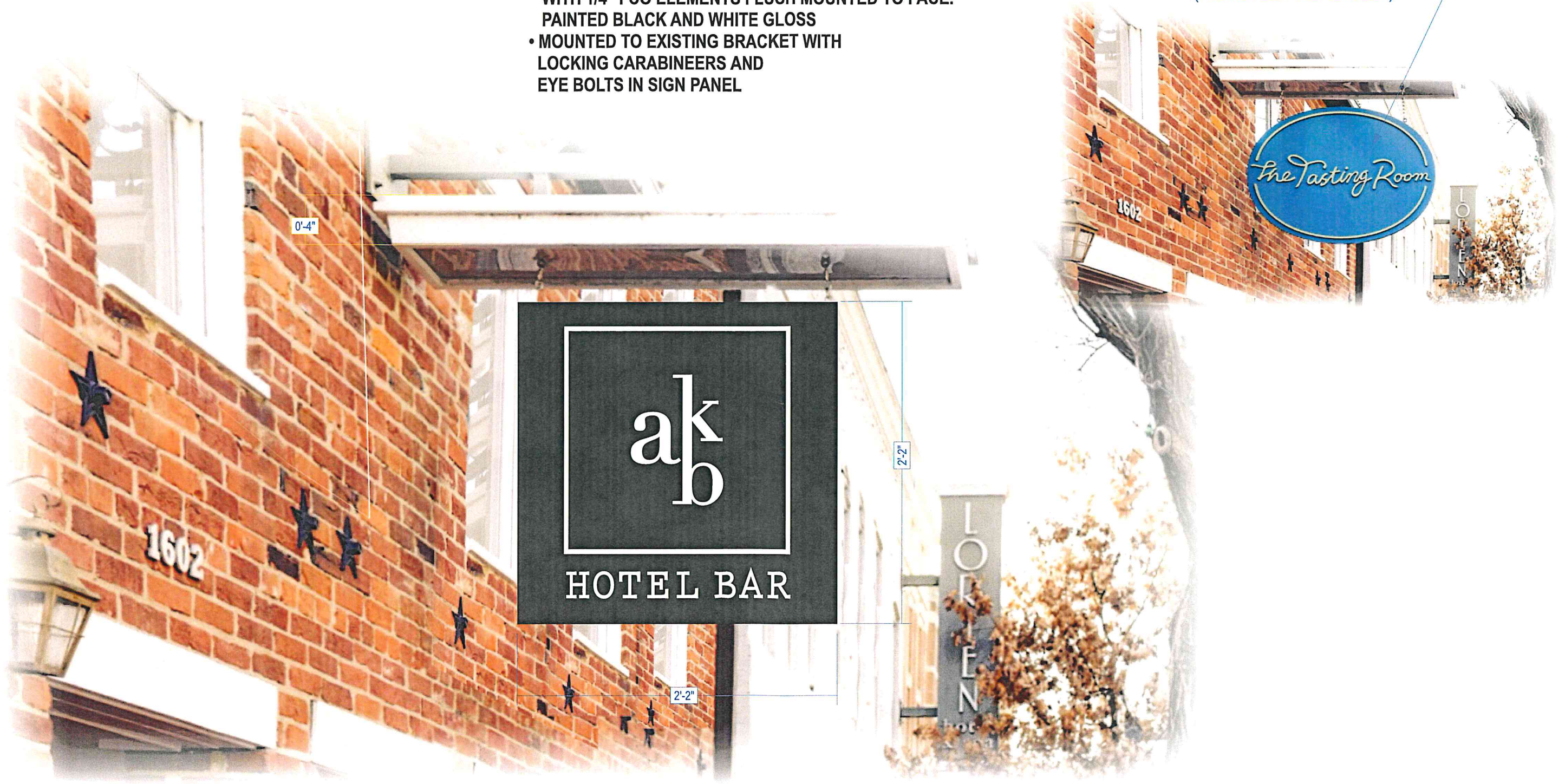
SIMULATED ILLUMINATION

LEFT - 3D RENDERING / (E) EXISTING LIT BRACKET



- SIGN C
- REUSED EXISTING BRACKET WITH DOWN LIGHTING
- 2 1/4" DEEP FABRICATED BLADE SIGN PANEL WITH 1/4" FCO ELEMENTS FLUSH MOUNTED TO FACE. PAINTED BLACK AND WHITE GLOSS
- MOUNTED TO EXISTING BRACKET WITH LOCKING CARABINEERS AND EYE BOLTS IN SIGN PANEL

EXISTING SIGN PANEL
(REMOVED / REPLACED)



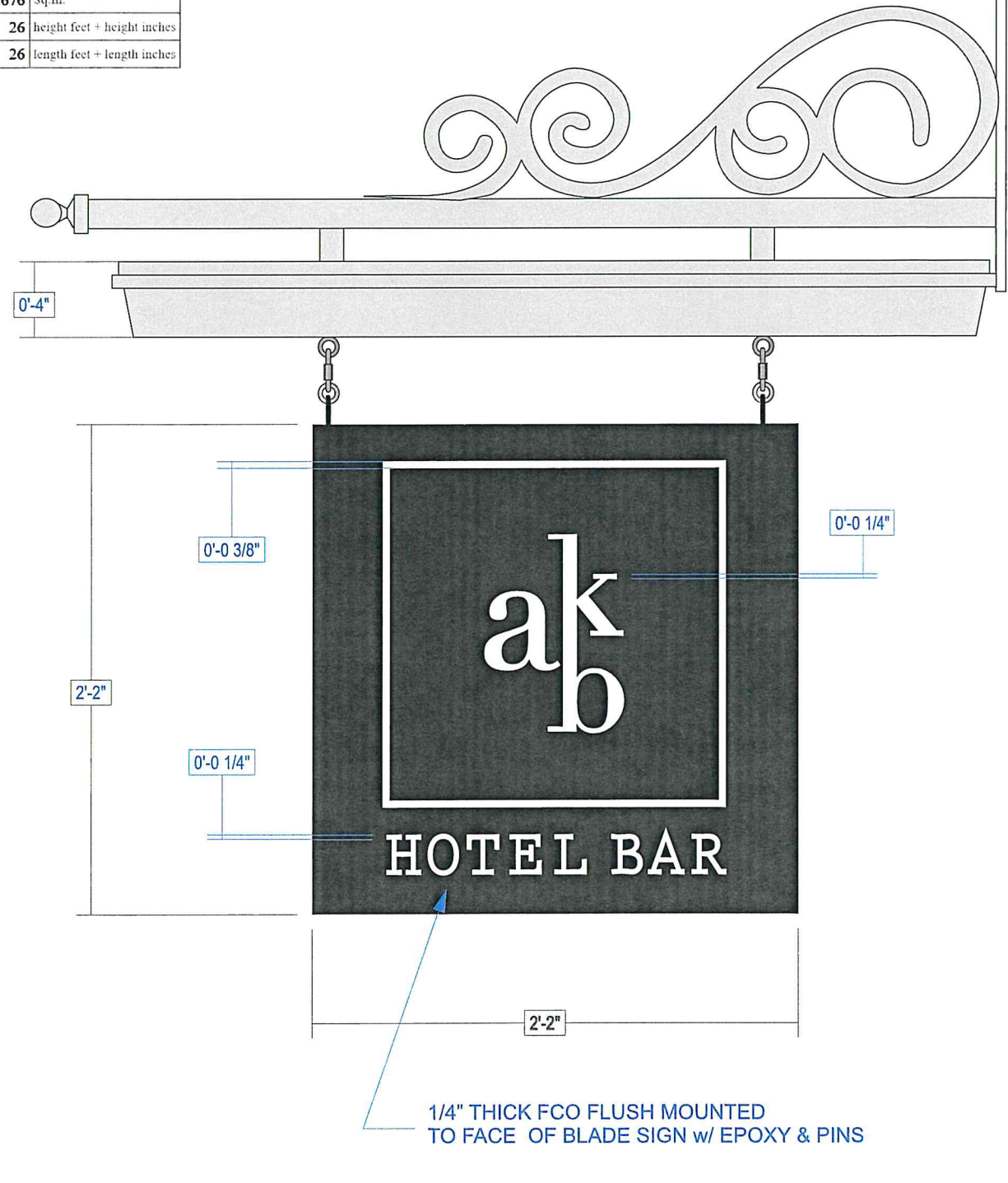
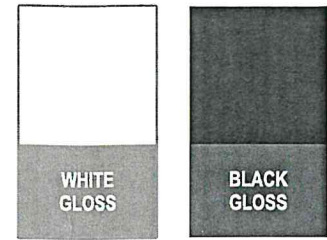
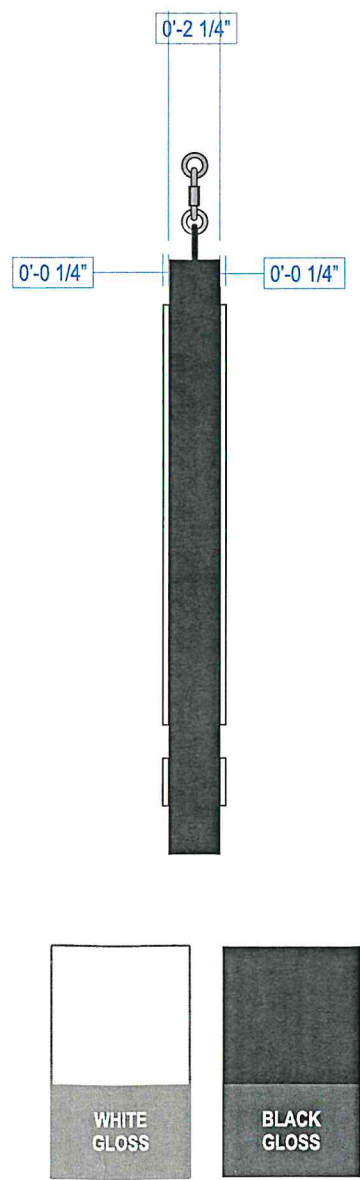
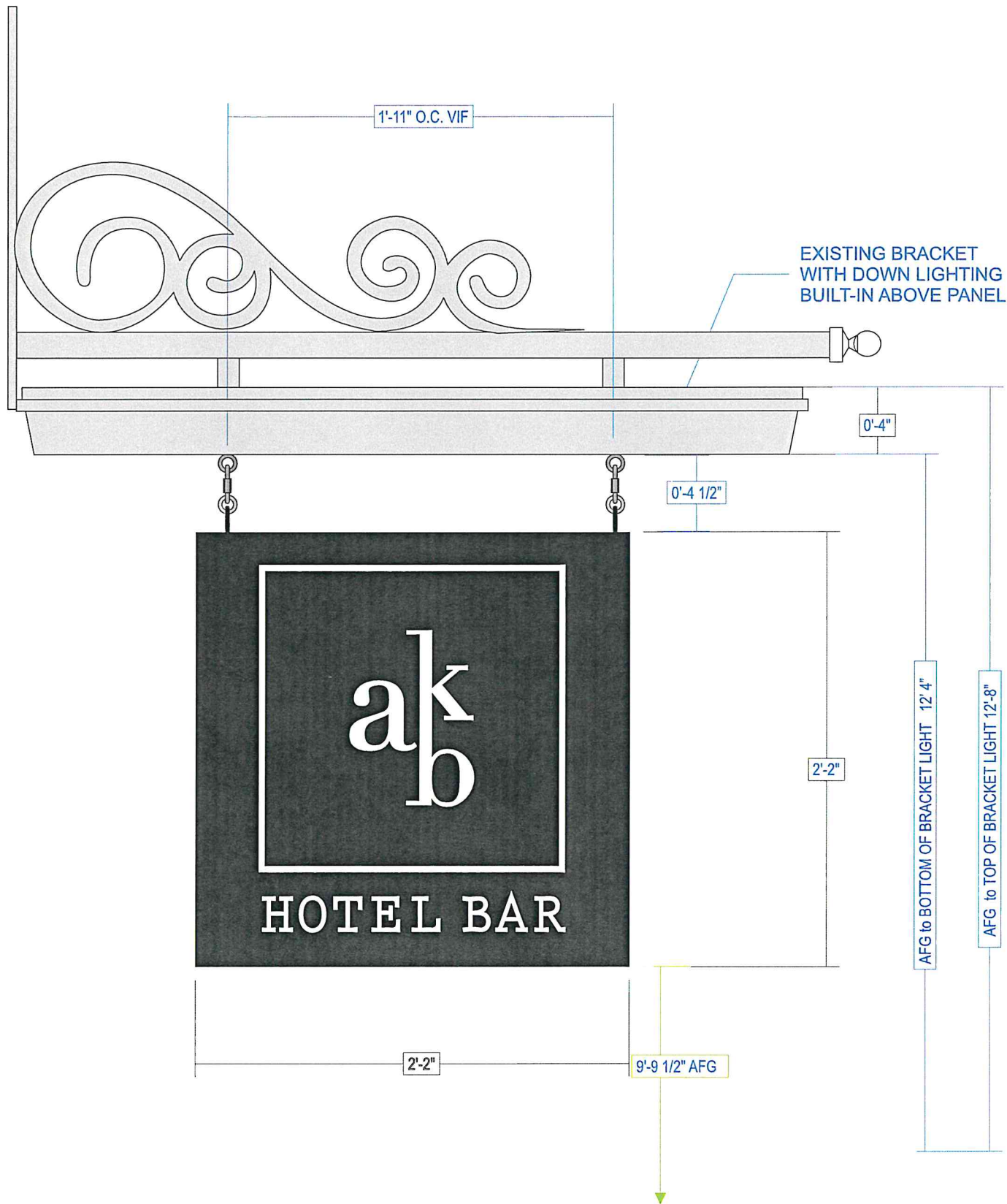
= 4.69444444444444 Sq.Ft. (4.69 sq.ft.)

SIGN C / BLADE SIGN / LAYOUT C
3
SCALE: 1-1/2" = 1'-0"

ONE (1) SIGN

The Breakdown is:

TOTAL	Number	Comment
Square Footage	4.69444444444444	Square Feet
Height in Feet	2.16666666666667	height feet + height inches
Length in Feet	2.16666666666667	length feet + length inches
Square Inches	676	Sq. In.
Height in Inches	26	height feet + height inches
Length in Inches	26	length feet + length inches



1/4" THICK FCO FLUSH MOUNTED TO FACE OF BLADE SIGN w/ EPOXY & PINS

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	DATE 06/28/2024	ARTIST FOSTER	SEG. NO.					



EXISTING FORMER BRANDED
BLADE SIGN / OBSCURED BY TREE
NO ACTION / NOT IN SCOPE