

**ISSUE:** Certificate of Appropriateness for alterations

**APPLICANT:** Stephen King, Portfolio Manager  
City of Alexandria Department of General Services

**LOCATION:** Old and Historic Alexandria District  
317 Prince Street

**ZONE:** CD/Commercial Downtown Zone

---

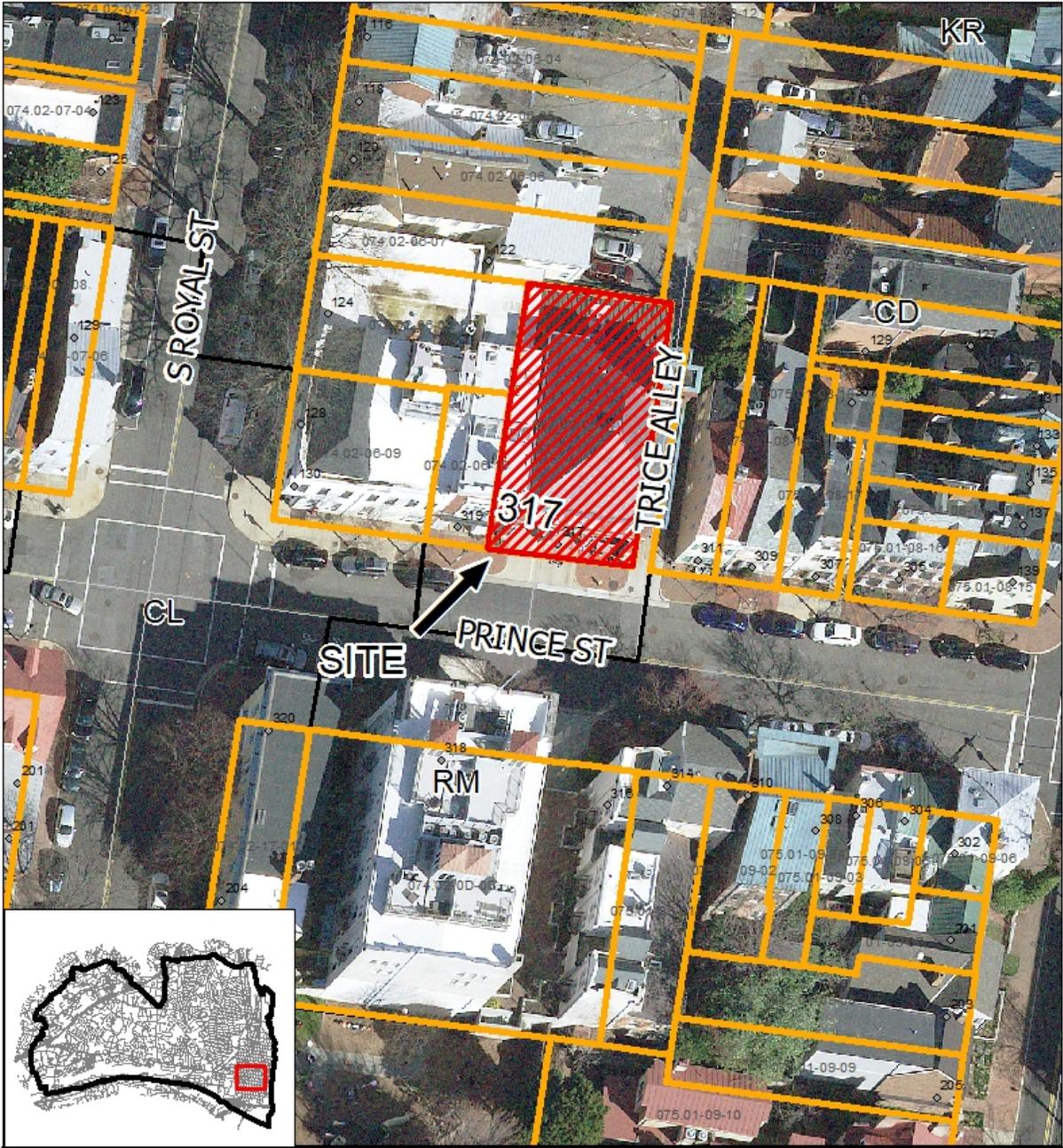
**STAFF RECOMMENDATION**

Staff recommends approval of the Certificate of Appropriateness for alterations, with the following conditions:

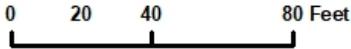
1. Eliminate the spiderweb muntins from the upper row of panels.
2. Make the visible portion of the rail at the head of the doors the same 5” width as the stiles at the perimeter and make all rectangular glass panels equal size, as shown on drawing 1/N-3.

**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, Room 4200, City Hall, 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](mailto: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 #2019-00452**  
**317 Prince Street**



## I. APPLICANT'S PROPOSAL

The applicant requests a Certificate of Appropriateness to replace the existing overhead doors for fire apparatus at Fire Station 201.

### Certificate of Appropriateness

The applicant requests to remove existing overhead sectional bay doors for fire apparatus at Fire Station 201 and replace them with “four-fold” type (a pair of bi-fold doors) powder-coated 14 gauge sheet metal clad doors. Clear glass panels of Pilkington Energy Advantage Low-E #3 have 73% Visible Light Transmittance (VLT), in compliance with the BAR’s window policy. These doors will replicate the architectural character of the original historic doors as closely as possible but with slightly more contemporary details. Exterior jamb molding will be very slightly reduced to allow increased access for fire apparatus. Because this is an Early building, constructed prior to 1935 in the OHAD, staff is unable to administratively approve metal front doors.

## II. HISTORY

The Relief Engine and Truck Company was established on June 23, 1788 and disbanded in 1863 due to the Civil War. The company reorganized as The Relief Hook and Ladder Company in May of 1867, housed next door at 319 Prince Street.<sup>1</sup> The Fire Company moved to its current residence at 317 Prince Street **circa 1915**, when this building was constructed to house the city’s first motorized fire engine.<sup>2</sup> In 1919, the company voted to change the name of the organization to the Relief Truck and Engine Company, No. 1.<sup>3</sup> The fire station is now City of Alexandria Fire Station number 201.

The character defining architectural features of the Federal Revival style station are the Tuscan stone columns supporting elliptical stone arches that form an arcade. Elliptical brick arches behind the arcade lead to the engine bays and office and fanlights with a spiderweb muntin pattern fill the arches above these three openings. The south façade is constructed of red brick laid in Flemish bond. There are several thin stone belt courses on the front façade that frame the 12/12 wood sash windows capped by stone lintels. The side elevations eliminate the belt courses and the stone lintels above the windows have a brick jack-arch with only a stone keystone. An elaborate dentiled cornice sits at the base of a black slate hipped roof. There is a small tower on the east side of the building. The architectural details of the building closely recall the Federal Revival style Alexandria Union Station, constructed in 1905.

### *Previous BAR Approvals*

- In 2013 staff administratively approved window replacement with Marvin sash packs (BAR Case#2013-00352, 10/9/13) per General Services specifications.

---

<sup>1</sup> “History of the Alexandria Fire Department, <http://www.afdlocal2141.org/items/HistoryoftheAFD.pdf>. Accessed Nov. 6, 2019. Although this article focuses on 319 Prince Street, it verifies the circa 1915 construction date provided by the applicant.

<sup>2</sup> Rogers, Patricia Dane, “Firehouse to Our House,” *The Washington Post*, Home section, May 23, 1991, pg. 20.

<sup>3</sup> “News of Alexandria,” *The Washington Post*, Feb 16, 1919, pg. 19. Accessed Nov. 6, 2019.

- In 1991, the BAR approved revisions to previously approved plans (BAR Case#91-69, 4/17/91).
- In 1990, the BAR approved minor alterations to fulfill OSHA and City Code requirements (BAR Case#90-199, 9/19/90) and approved revisions to previously approved plans (BAR Case#90-164, 8/15/90 and BAR Case#90-145, 7/18/90).
- In 1964, the BAR approved replacement of the apparatus entrance doors (no case number, 3/11/64).

### III. ANALYSIS

#### Site context

Alexandria Fire Station 201 sits on the north side of Prince Street, adjacent to Trice Alley. Most of the 300 block of Prince Street consists of residential townhomes, apart from the Prince Street Club condominiums across the street and commercial buildings at the corner of Prince and South Royal streets.

#### Certificate of Appropriateness

Based on excellent photo documentation provided by the applicant and City records, the current access doors for fire apparatus date to circa 1964. These doors roll up as an overhead sectional door, like a modern residential garage door. Currently, each door opening provides only ½” – 1” clearance for the fire apparatus, which calls for specialized side mirrors, as standard apparatus cannot fit into the station. Photos indicate that earlier doors were a single pair of side hinged doors, swinging outward when opening. While the applicant would like to visually adhere as closely as possible to historic precedents, a pair of large, side swing doors do not allow the clearance needed for today’s fire equipment and would adversely impact response times. The applicant, therefore, proposes replacement of the existing doors with a pair of inward-folding bi-fold doors, which will resemble the historic pair of out-swing doors while providing more vehicle clearance. The applicant also proposes replacing the exterior jamb trim at the masonry opening, reducing the thickness by ½” – ¾” along the vertical edges of the door openings.

In addition to clearance problems, the existing doors open too slowly and are subject to damage if the engine leaves the bay too quickly. By replacing them with the proposed doors, the fire station can reduce response time. The new doors will also incorporate multiple new safety systems for the benefit of fire department personnel as well as the general public.

The *Design Guidelines* state that “Care should be taken in the replacement of garage doors to ensure that the door is appropriate to the architectural character...” In this case, the applicant has chosen a modern design that recalls the multi-panel visual character of the elliptical top historic doors yet also conforms to modern firefighting equipment requirements and the use of glass panels throughout the door increases visibility and safety for citizens and fire personnel. Small children will no longer be hidden by the solid lower panels. Although the applicant cannot exactly replicate the old doors due to their new operation, staff appreciates the applicant’s efforts to retain the historic character of the doors. In keeping with BAR policy, the proposed doors with glass panels

in lieu of historic wood panels are compatible with the station but will not be mistaken for original construction. However, the muntins in the upper curved transom panes do not effectively evoke the historic fanlights, as the spiderweb muntins are interrupted by the vertical stiles at the bi-fold hinge point. Staff recommends the applicant remove them and continue the simple glass panels.

Staff notes that the doors are correctly shown on drawing 1/N-3 but are not precisely represented in the illustrative photo mock-up. Staff has therefore included a condition to clarify that the 5” width of the visible rail at the top of the doors must match the width of the stile at the perimeter of the opening and that all of the rectangular glass panels be equal in size.

With the conditions noted above, staff recommends approval of the application.

**STAFF**

Susan Hellman, Historic Preservation Planner, Planning & Zoning  
Al Cox, FAIA, Historic Preservation Manager, Planning & Zoning

**IV. CITY DEPARTMENT COMMENTS**

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

**Zoning**

F-1 All proposed changes are structural in nature and complies with zoning requirements.

**Code Administration**

No comments provided.

**Transportation and Environmental Services**

R-1 The building permit must be approved and issued prior to the issuance of any permit for demolition, if a separate demolition permit is required. (T&ES)

R-2 Applicant shall be responsible for repairs to the adjacent city right-of-way if damaged during construction activity. (T&ES)

R-3 No permanent structure may be constructed over any existing private and/or public utility easements. It is the responsibility of the applicant to identify any and all existing easements on the plan. (T&ES)

F-1 After review of the information provided, an approved grading plan is not required at this time. Please note that if any changes are made to the plan it is suggested that T&ES be included in the review. (T&ES)

F-2 If the alley located at the rear of the parcel is to be used at any point of the construction process the following will be required:

For a Public Alley - The applicant shall contact T&ES, Construction Permitting & Inspections at (703) 746-4035 to discuss any permits and accommodation requirements that will be required.

For a Private Alley - The applicant must provide proof, in the form of an affidavit at a minimum, from owner of the alley granting permission of use. (T&ES)

- C-1 The applicant shall comply with the City of Alexandria's Solid Waste Control, Title 5, Chapter 1, which sets forth the requirements for the recycling of materials (Sec. 5-1-99). (T&ES)
- C-2 The applicant shall comply with the City of Alexandria's Noise Control Code, Title 11, Chapter 5, which sets the maximum permissible noise level as measured at the property line. (T&ES)
- C-3 Roof, surface and sub-surface drains be connected to the public storm sewer system, if available, by continuous underground pipe. Where storm sewer is not available applicant must provide a design to mitigate impact of stormwater drainage onto adjacent properties and to the satisfaction of the Director of Transportation & Environmental Services. (Sec.5-6-224) (T&ES)
- C-4 All secondary utilities serving this site shall be placed underground. (Sec. 5-3-3) (T&ES)
- C-5 Any work within the right-of-way requires a separate permit from T&ES. (Sec. 5-2) (T&ES)
- C-6 All improvements to the city right-of-way such as curbing, sidewalk, driveway aprons, etc. must be city standard design. (Sec. 5-2-1) (T&ES)

**Alexandria Archaeology**

No comments provided.

**V. ATTACHMENTS**

*1 – Supplemental Materials*

*2 – Application for BAR 2019-00452: 317 Prince Street*

BAR Case # \_\_\_\_\_

ADDRESS OF PROJECT: 317 Prince Street

TAX MAP AND PARCEL: 074.02-06-11 ZONING: CD

**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: Stephen King - Portfolio Manager

Address: 421 King Street, Suite 220

City: Alexandria State: VA Zip: 22314

Phone: 703.746.3237 E-mail: stephen.king@alexandriava.gov

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

Name: Scott M. Bouvia (Scovis) Phone: 703.596.9554

E-mail: contact@scovis.com

**Legal Property Owner:**

Name: City of Alexandria

Address: 421 King Street, Suite 220

City: Alexandria State: VA Zip: 22314

Phone: 703.746.4770 E-mail: general.services@alexandriava.gov

- Yes  No Is there an historic preservation easement on this property?
- Yes  No If yes, has the easement holder agreed to the proposed alterations?
- Yes  No Is there a homeowner's association for this property?
- Yes  No If yes, has the homeowner's association approved the proposed alterations?

If you answered yes to any of the above, please attach a copy of the letter approving the project.

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

- NEW CONSTRUCTION
- EXTERIOR ALTERATION: *Please check all that apply.*
  - awning
  - doors
  - lighting
  - other Overhead door removal and replacement
  - 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).*

Proposed work is to remove the existing overhead doors and replace with four-fold type doors to replicate the existing doors as closely as possible. Exterior molding at the doors will be replaced with slightly thinner material to allow increased clearance for fire apparatus. See attached documents which more clearly denote the anticipated work to be performed.

**SUBMITTAL REQUIREMENTS:**

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.

Electronic copies of submission materials should be submitted whenever possible.

**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.*

- 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. All plans must be folded and collated into 3 complete 8 1/2" x 11" sets. Additional copies may be requested by staff for large-scale development projects or projects fronting Washington Street. Check N/A if an item in this section does not apply to your project.

- <sup>N/A</sup> 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.

- <sup>N/A</sup> Linear feet of building: Front: \_\_\_\_\_ Secondary front (if corner lot): \_\_\_\_\_
- Square feet of existing signs to remain: \_\_\_\_\_
- 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.

- <sup>N/A</sup> 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:*

No Fee required as City is applying for Review

- I have submitted a filing fee with this application. (Checks should be made payable to the City of Alexandria. Please contact staff for assistance in determining the appropriate fee.)
- 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 3 sets of 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 1.1-301(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: Scott M. Bouvia

Printed Name: Scott M. Bouvia (Scovis)

Date: 10/21/2019

**OWNERSHIP AND DISCLOSURE STATEMENT**

Use additional sheets if necessary

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

Name	Address	Percent of Ownership
1. City of Alexandria - Stephen King	421 King Street, Suite 220 Alexandria, VA 22314	100%
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 317 Prince Street Alexandria, VA (address), unless the entity is a corporation or partnership, in which case identify each owner of more than ten percent. The term ownership interest shall include any legal or equitable interest held at the time of the application in the real property which is the subject of the application.

Name	Address	Percent of Ownership
1. City of Alexandria - Department of General Services	421 King Street, Suite 220 Alexandria, VA 22314	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. n/a		
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.

10/21/2019 \_\_\_\_\_  
 Date Printed Name Signature

Scott M. Bouvia (Scovis)

*Scott Bouvia*

# CITY OF ALEXANDRIA - FIRE STATION BAY DOOR IMPROVEMENTS - FIRE STATION 201

317 PRINCE STREET,  
ALEXANDRIA, VA 22314

HISTORIC PRESERVATION - BOARD OF ARCHITECTURAL REVIEW SUBMISSION

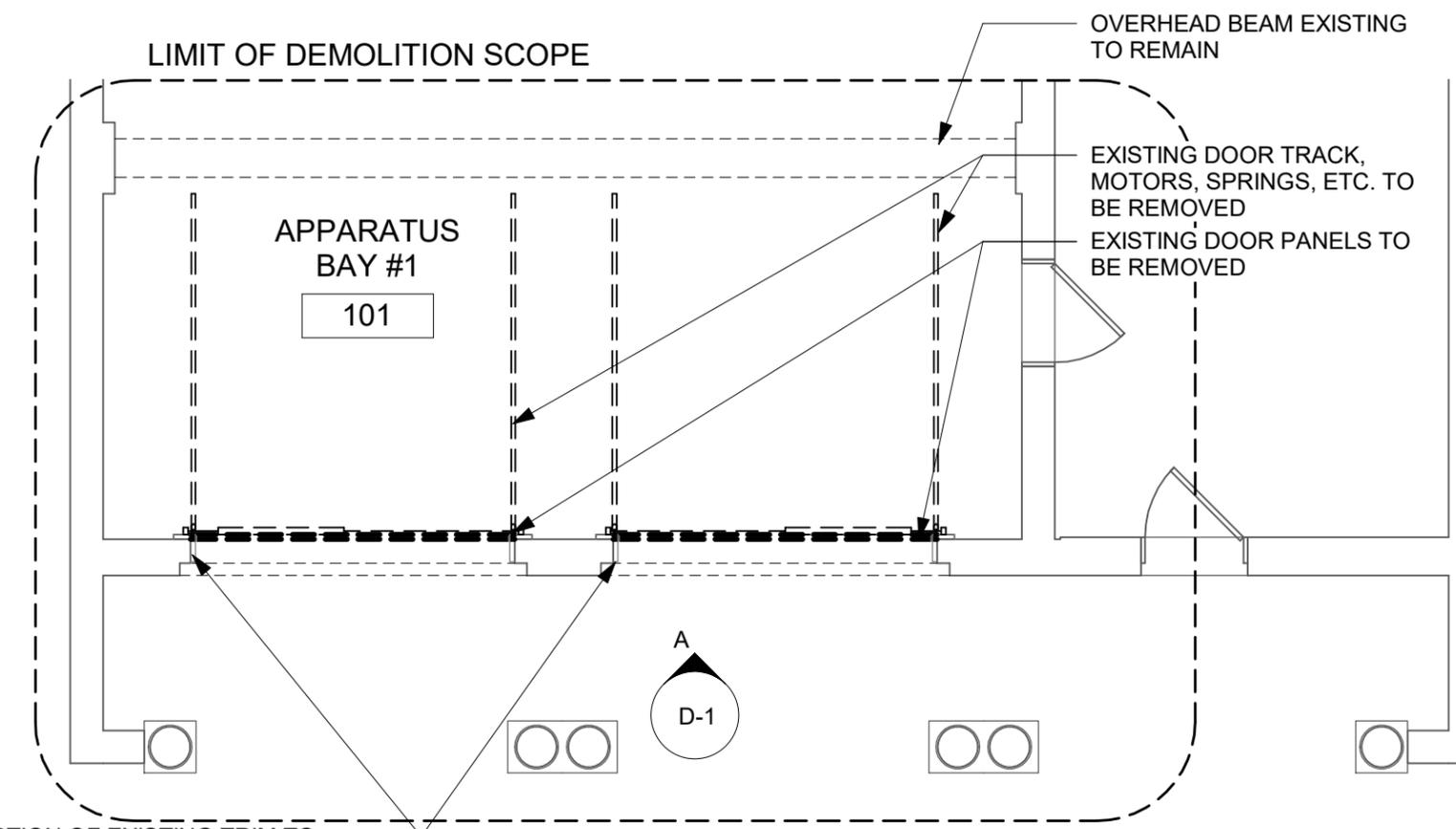
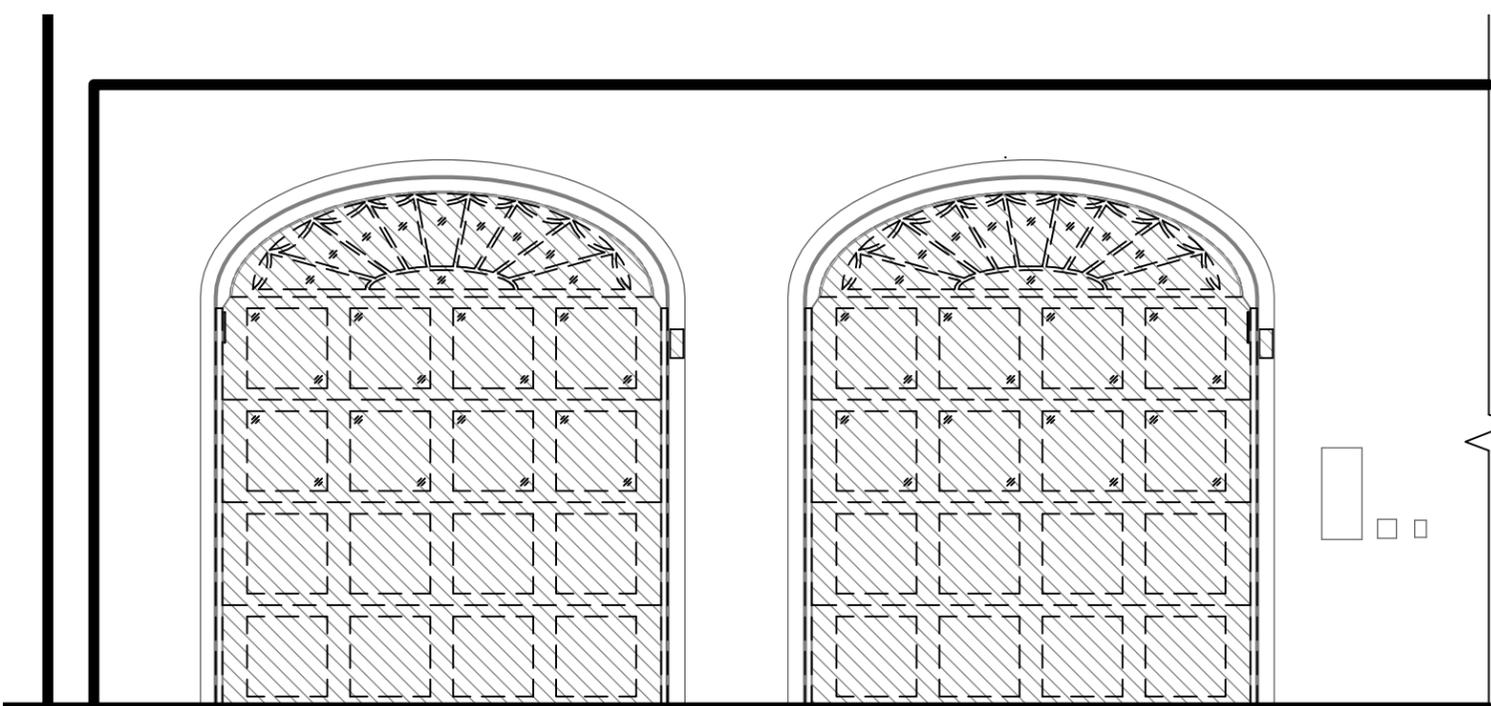
DECEMBER 4, 2019

---

## PROJECT DESCRIPTION:

THE RELIEF ENGINE AND TRUCK COMPANY WAS ESTABLISHED ON THE 23RD OF JUNE 1788 AND WAS DISBANDED IN 1863. THE PRESENT COMPANY WAS REORGANIZED IN MAY OF 1867 AND WAS HOUSED AT 319 PRINCE STREET. AROUND 1915 THE CURRENT BUILDING WAS CONSTRUCTED AND THE FIRE COMPANY MOVED TO ITS CURRENT RESIDENCE AT 317 PRINCE STREET. A PICTURE OF THE OPENING DAY CELEBRATION CAN BE FOUND IN THE OFFICE AT THE FIRE STATION AND IN THIS SUBMISSION. BASED ON THIS PICTURE IT APPEARS THAT THE ORIGINAL DOORS WERE OF A BI-FOLD NATURE SWINGING OUTWARDS WITH UNPAINTED WOOD CONSTRUCTION. ADDITIONAL WINDOWS WERE ADDED TO THE DOORS AT AN UNDETERMINED TIME. BASED ON A HISTORICAL REVIEW IT APPEARS THE OUTWARD SWINGING BI-FOLD DOORS WERE UTILIZED UNTIL SOMEWHERE BETWEEN 1963 AND 1970, AS PICTURES AFTER 1970 SHOW THE CURRENT WOOD OVERHEAD DOOR PANELS WITH THE CUSTOM WINDOW SYSTEM. AT THE MOMENT WE CANNOT FIND ANY PHOTO DOCUMENTATION OR DOCUMENTATION OF DOOR PURCHASES TO EXACTLY QUANTIFY THE DATE OF THE CHANGE IN DOOR TYPE. HOWEVER DUE TO THE INCREASED SIZE OF APPARATUS BEING USED, OUTWARD BI-FOLDING DOORS WOULD NOT BE FEASIBLE AS THEY DECREASE THE DOOR OPENING WIDTH WHEN OPENED. THE CURRENT APPARATUS HAS ONLY 1/2" TO 1" OF CLEARANCE ON EACH SIDE WITH SPECIALIZED MIRROR CONSTRUCTION. A STANDARD APPARATUS WITH STANDARD MIRRORS CANNOT FIT INTO THE CURRENT STATION, MAINLY DUE TO THE EXTERIOR COLONNADE AND SECONDARILY DUE TO THE ROUGH MASONRY OPENING AT THE DOORS. ADDITIONAL CHANGES ARE REQUESTED TO REMOVE AND REPLACE THE TRIM AT THE MASONRY OPENING TO PROVIDE A SLIGHTLY LARGER CLEARANCE ON EACH SIDE FOR THE APPARATUS. THE CHANGE IN TRIM WOULD DECREASE THE THICKNESS BY 1/2"-3/4" ALONG THE VERTICAL EDGES OF THE OPENING ONLY. THE NEW DOORS ARE BEING CONSTRUCTED TO REPLACE THE ANTIQUATED EXISTING DOORS AND THE SAFETY SYSTEMS THAT EXIST. AS PART OF THE NEW DOORS MULTIPLE NEW SAFETY SYSTEMS WILL BE INSTALLED WHICH WILL MAKE THE DOOR OPERATION SAFER FOR THE FIRE DEPARTMENT PERSONNEL AS WELL AS ANY CITIZENS THAT MAY STOP BY FOR A VISIT.



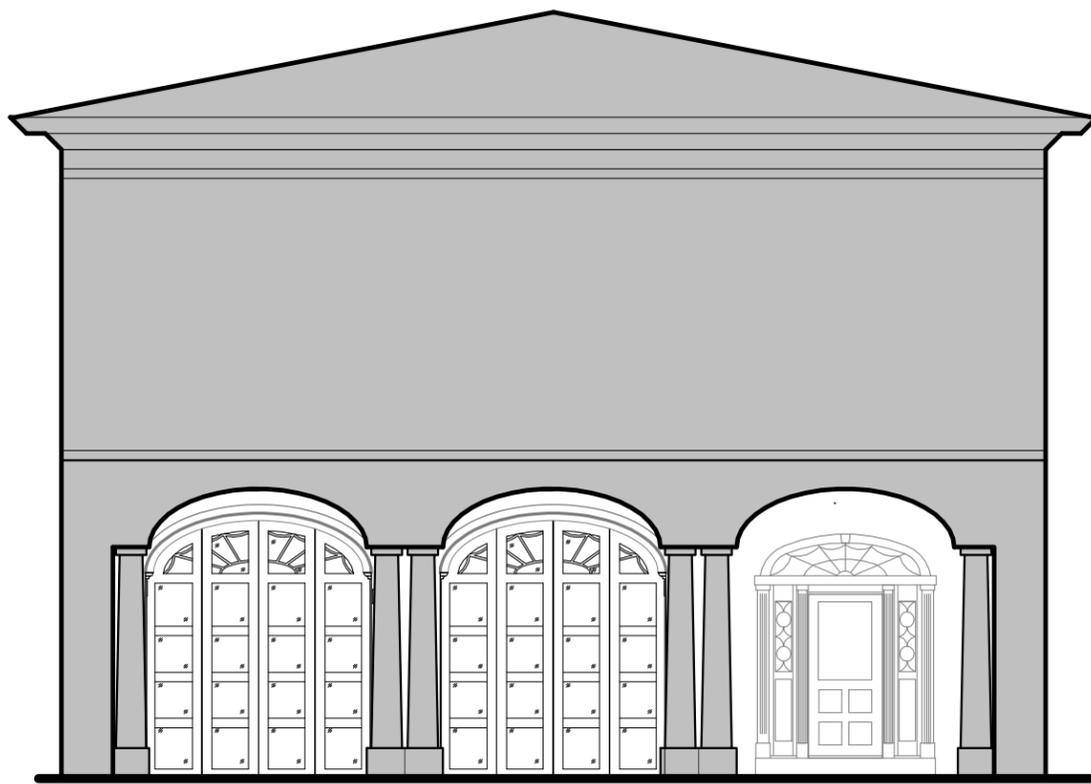


PORTION OF EXISTING TRIM TO BE REPLACED WITH THINNER MEMBERS TO PROVIDE ADDITIONAL ROOM FOR NEW APPARATUS VEHICLES

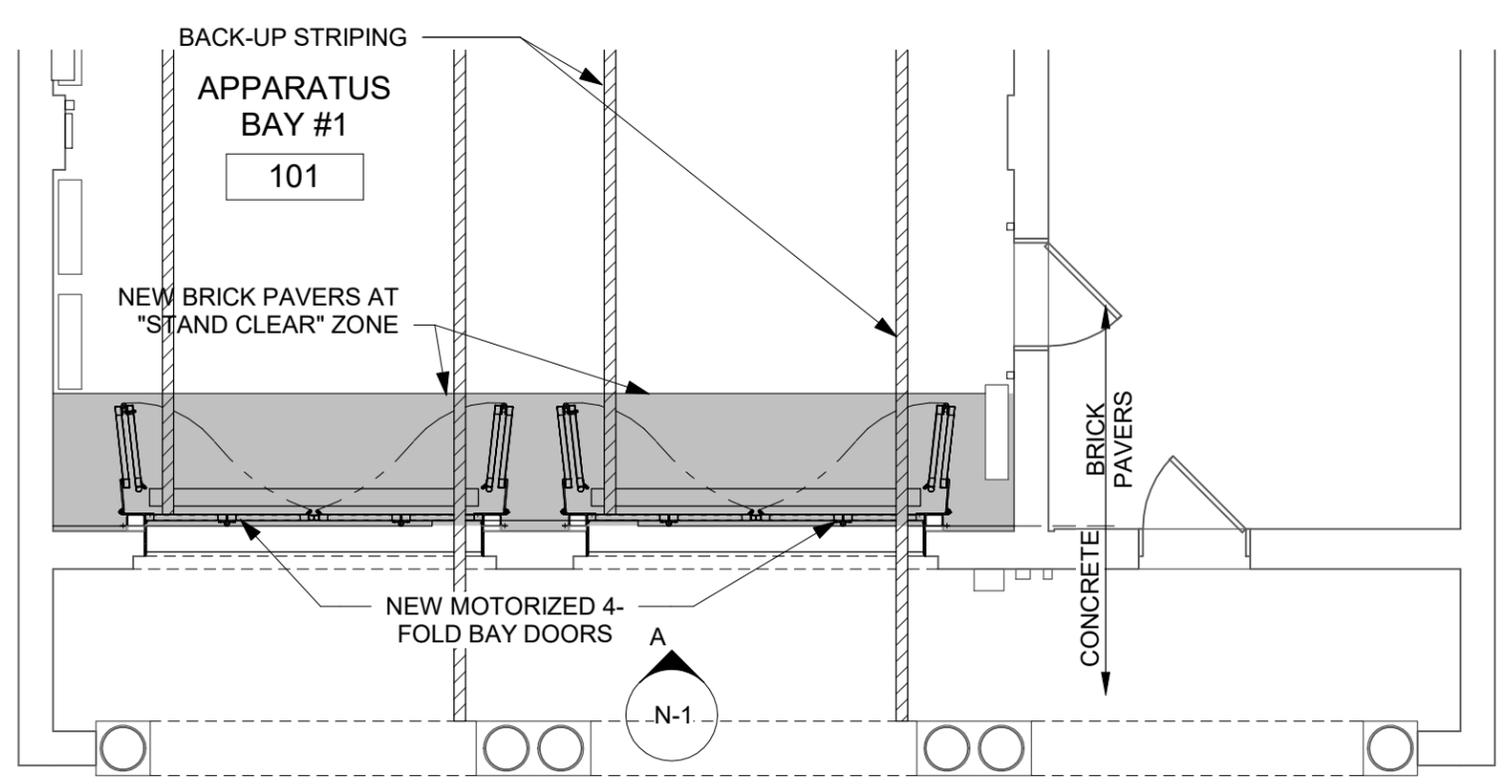
**A** ELEVATION / SECTION - BAY 1  
D-1 SCALE: 1/4" = 1'-0"

**B** FIRST FLOOR PLAN - DEMOLITION PLAN  
D-1 SCALE: 3/16" = 1'-0"

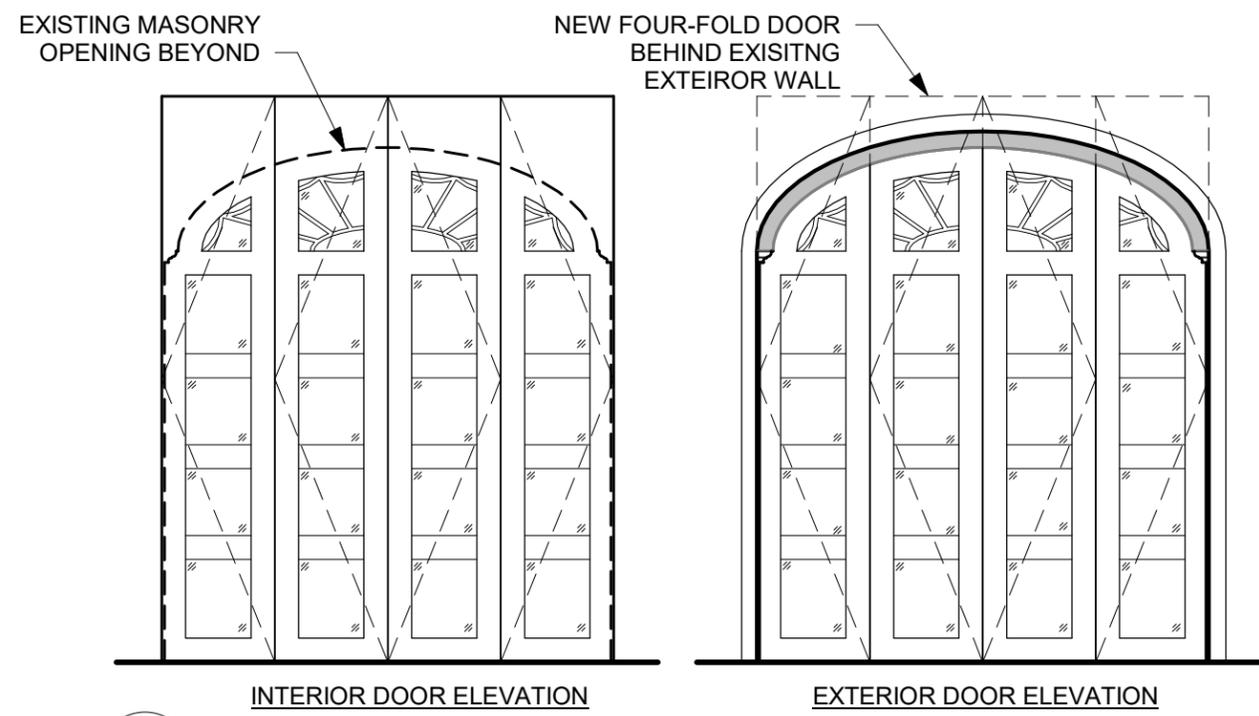
# DEMOLITION PLAN AND ELEVATION



**A** SOUTH GARAGE BAY ELEVATION - NEW WORK  
 N-1 SCALE: 1/8" = 1'-0"

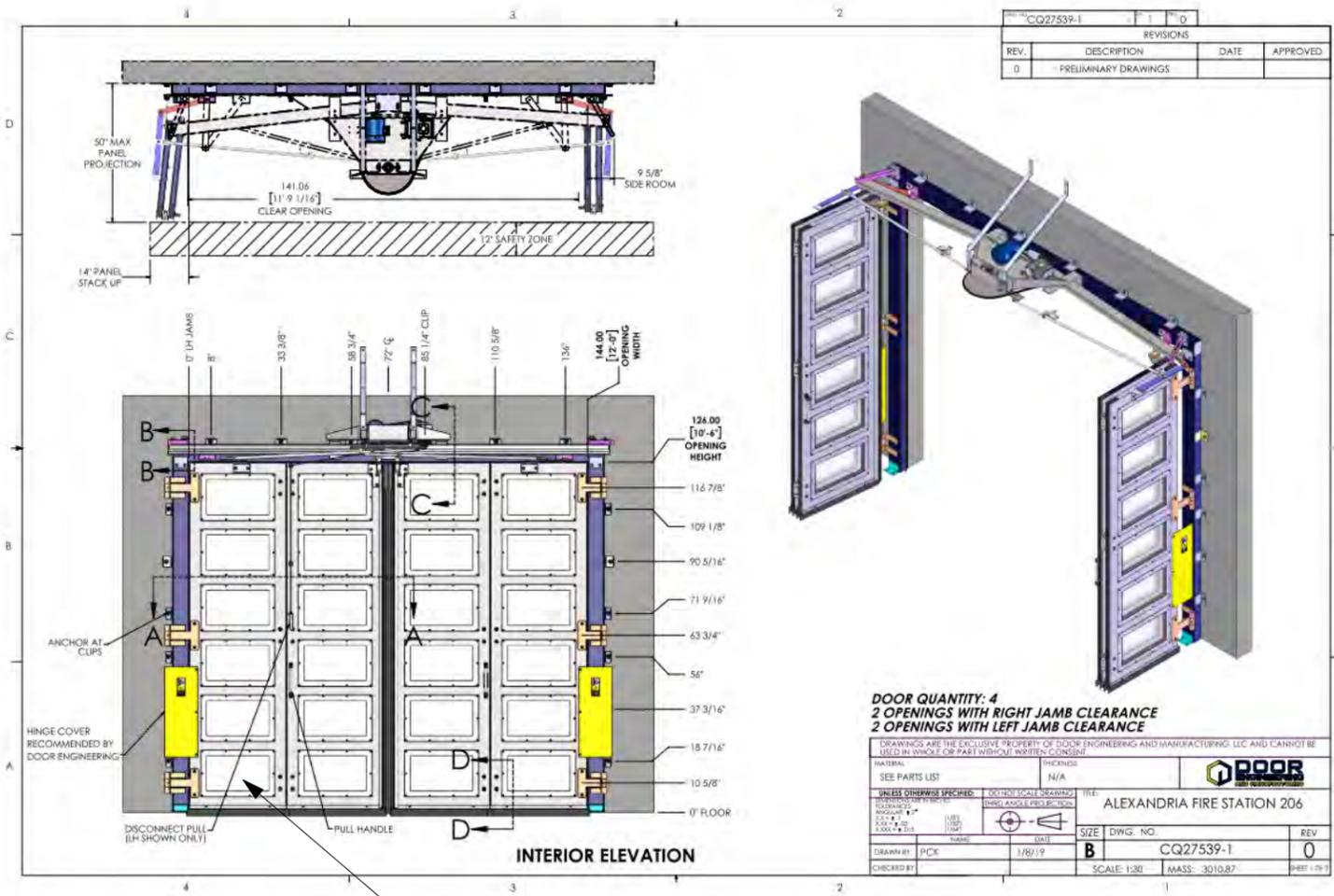
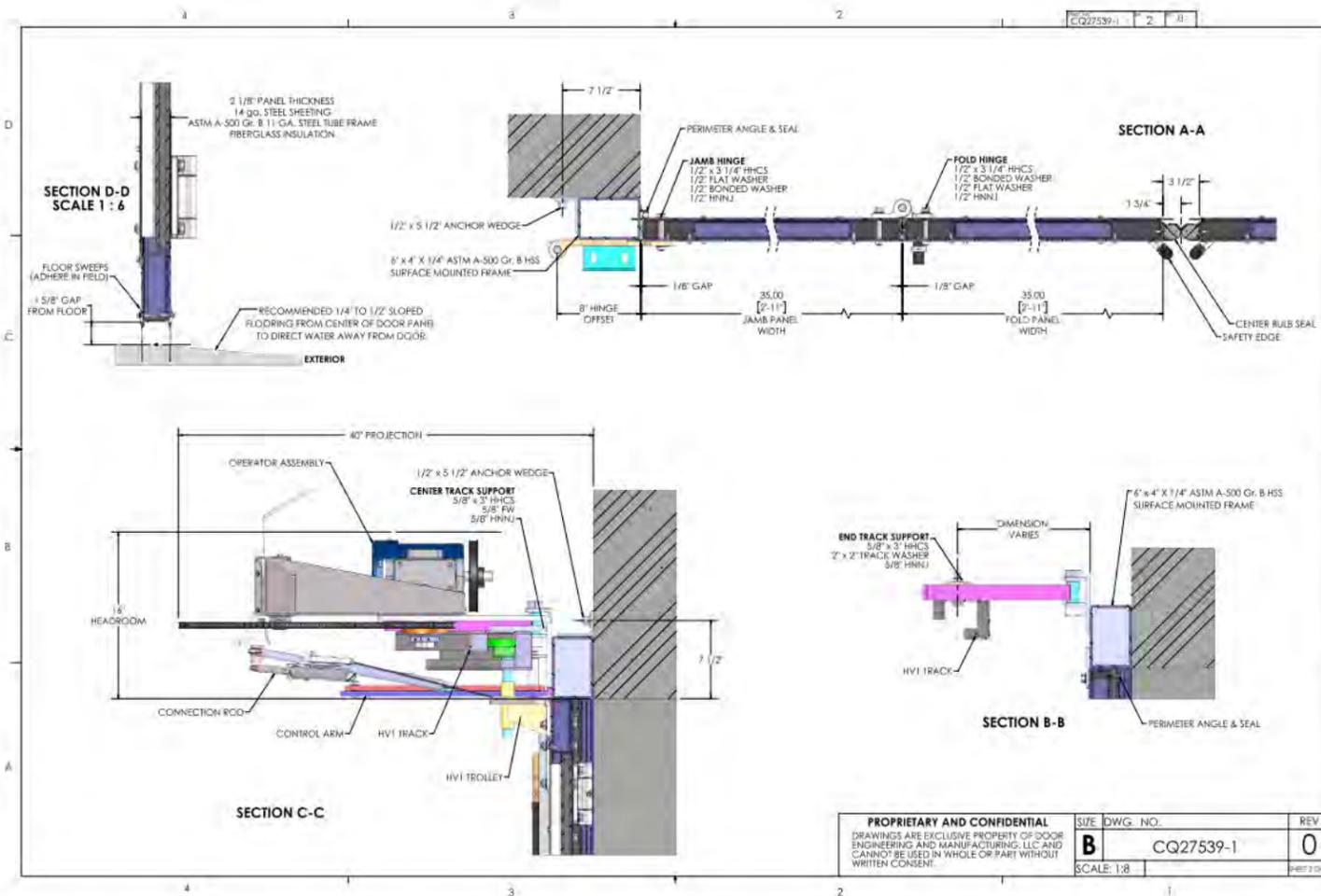


**B** FIRST FLOOR - ENLARGED FLOOR PLAN  
 N-1 SCALE: 3/16" = 1'-0"



**C** NEW FOUR-FOLD DOOR ELEVATION  
 N-1 SCALE: 1/4" = 1'-0"

# NEW WORK PLAN AND ELEVATIONS



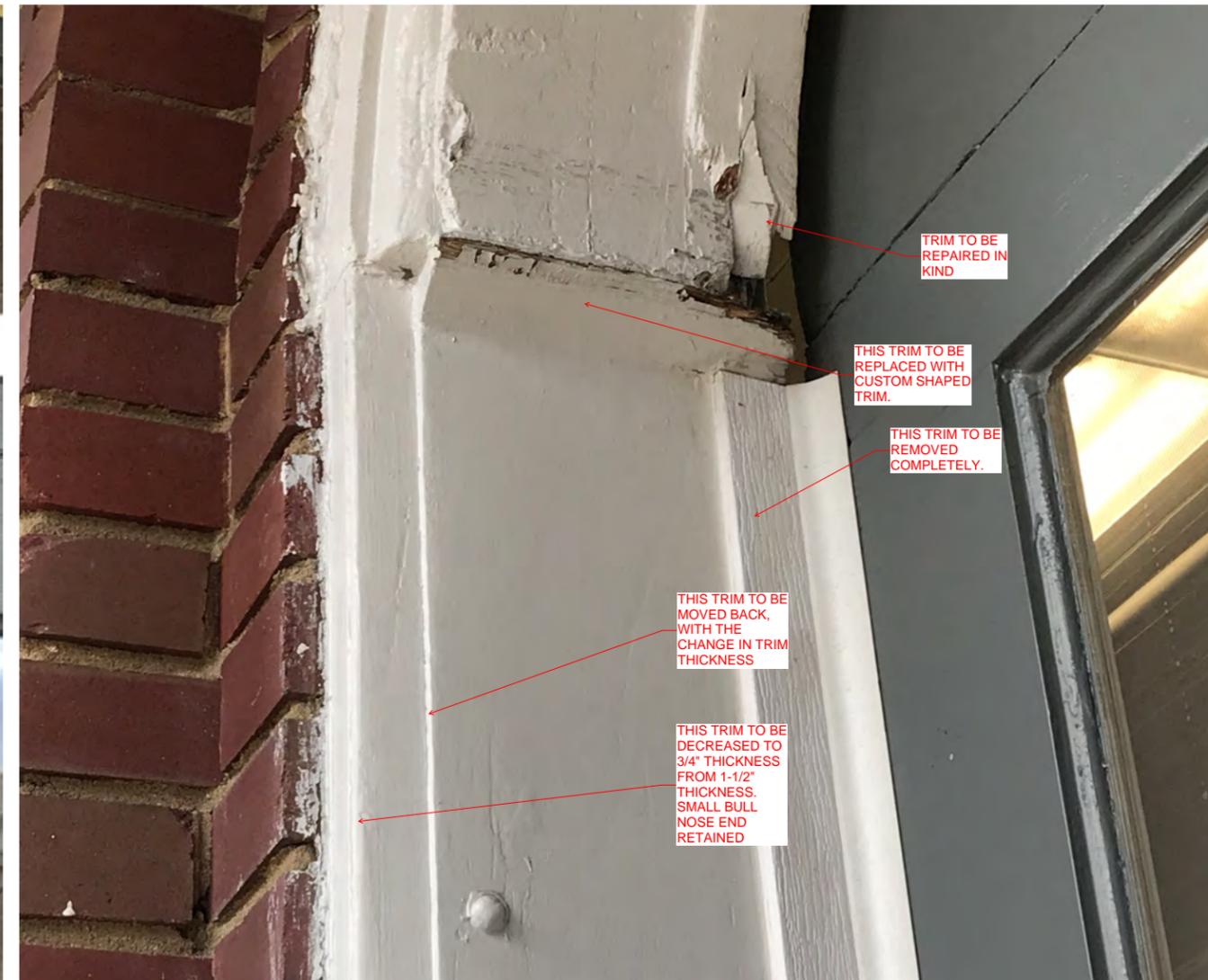
SEE OTHER DRAWINGS THIS SET FOR ACTUAL DOOR PANEL LAYOUT.







EXISTING VERSUS PROPOSED TRIM



TRIM SIDE VIEW

EXISTING VERSUS PROPOSED TRIM



Scovis  
STRUCTURAL ENGINEERS



kezlogroup

PO Box 419  
Cochranville, PA 19330  
610.457.9715  
www.kezlo.com



EXISTING CONDITION



PROPOSED CONDITION





EXISTING CONDITION PHOTOS



Scōvis  
STRUCTURAL ENGINEERS



kezlogroup

PO Box 419  
Cochranville, PA 19330  
610.457.9715  
www.kezlo.com



[Christmas Celebrations at the No. 1 Firehouse], McKenney-Mills Collection, MS413, Alexandria Library, Local History and Special Collections, Alexandria, Virginia

HISTORIC PHOTOS



Scōvis  
STRUCTURAL ENGINEERS



kezlogroup

PO Box 419  
Cochranville, PA 19330  
610.457.9715  
www.kezlo.com



[Relief Truck and Engine Co., August 1919], McKenney-Mills Collection, MS413, Alexandria Library, Local History and Special Collections, Alexandria, Virginia

[Relief Truck and Engine Co., 1919], McKenney-Mills Collection, MS413, Alexandria Library, Local History and Special Collections, Alexandria, Virginia





[No. 1 Truck on the Road], McKenney-Mills Collection, MS413, Alexandria Library, Local History and Special Collections, Alexandria, Virginia

NOTE THAT IN THIS PICTURE IT IS NOTED THAT THE DOORS ARE UNPAINTED. BASED ON PHOTOGRAPHS SUCH AS THE ABOVE DATED FEBRUARY 1965 IT APPEARS THE DOORS WERE PAINTED WHITE AFTER 1965.



[Fire Station No. 1], Gamble Collection, MS347, Alexandria Library, Local History and Special Collections, Alexandria, Virginia

NOTE THAT IN THIS PICTURE IT IS NOTED THAT THE DOORS ARE PAINTED WHITE. BASED ON PHOTOGRAPHS REVIEWED IT APPEARS THE DOORS WERE PAINTED WHITE AFTER 1965. THE DOORS WERE REPLACED WITH THE NEW OVERHEAD STYLE DOORS SOMEWHERE AFTER 1970 AS NOTED IN THE PROJECT DESCRIPTION AND WERE PAINTED THEIR CURRENT COLOR.



[Engine Parked in Station No. 1], Vertical File Photo Collection, MS394, Alexandria Library, Local History and Special Collections, Alexandria, Virginia



[Engine No. 1 in Front of Station No. 1], McKenney-Mills Collection, MS413, Alexandria Library, Local History and Special Collections, Alexandria, Virginia



FEB • 65

[Emergency Workers at Rest at the No. 1 Fire House], McKenney-Mills Collection, MS413, Alexandria Library, Local History and Special Collections, Alexandria, Virginia

# HISTORIC PHOTOS



**Scovis**  
STRUCTURAL ENGINEERS



**kezlogroup**

PO Box 419  
Cochranville, PA 19330  
610.457.9715  
www.kezlo.com



Note to Specifiers:

The specifications below are suggested as desirable inclusions in glass and glazing specifications (section 08 81 00), but are not intended to be complete. An appropriate and qualified Architect or Engineer must verify suitability of a particular product for use in a particular application as well as review final specifications. Oldcastle BuildingEnvelope® assumes no responsibility or liability for the information included or not included in these specifications.

**PRODUCTS**

**Approved Glass Fabricator** Oldcastle BuildingEnvelope®  
**Glass Description** FLOAT GLASS

1. USA - Annealed float glass shall comply with ASTM C1036, Type I, Class 1 (clear), Class 2 (tinted), Quality-Q3. Canada - Annealed float glass shall comply with CAN/CGSB-12.3-M, Quality-Glazing.

2. USA- Heat-strengthened float glass shall comply with ASTM C1048, Type I, Class 1 (clear), Class 2 (tinted), Quality Q3, Kind HS. Canada - Heat-strengthened float glass shall comply with CAN/CGSB-12.9-M, Type 2-Heat-Strengthened Glass, Class A-Float Glass.

3. USA - Tempered float glass shall comply with ASTM C1048, Type I, Class 1 (clear), Class 2 (tinted), Quality Q3, Kind FT. Canada - Tempered float glass shall comply with CAN/CGSB-12.1-M, Type 2-Tempered Glass, Class B-Float Glass.

4. USA - Laminated glass to comply with ASTM C1172. Canada - Laminated glass to comply with CAN/CGSB-12.1-M, Type 1-Laminated Glass, Class B-Float Glass.

5. Glass shall be annealed, heat-strengthened or tempered as required by codes, or as required to meet thermal stress and wind loads.

**Sealed Insulating Glass (IG) Vision Glass (Vertical)** GENERAL

1. IG units consist of glass lites separated by a dehydrated airspace that is hermetically dual sealed with a primary seal of polyisobutylene (PIB) and a secondary seal of silicone or an organic sealant depending on the application.

2. USA - Insulating glass units are certified through the Insulating Glass Certification Council (IGCC) to ASTM E2190. Canada - Insulating Glass units are certified through the Insulating Glass Manufacturers Alliance (IGMA) to either the IGMAC certification program to CAN/CGSB-12.8, or through the IGMA program to ASTM E2190.

IG VISION UNIT PERFORMANCE CHARACTERISTICS

1. Exterior Lite  
1/4" Clear

2. Interior Lite  
1/4" Pilkington Energy Advantage™ Low-E #3

3. 1/2" Cavity  
1/2 inch (Air Fill)

4. Performance Characteristics

Thermal		Optical	
Winter U-factor/U-value:	0.33	Visible Light Transmittance:	73%
Summer U-factor/U-value:	0.33	Visible Light Reflectance (outside):	17%
Solar Heat Gain Coefficient:	0.67	Visible Light Reflectance (inside):	16%
Shading Coefficient:	0.77	Total Solar Transmittance:	52%
Relative Heat Gain (Btu/hr-ft²):	158	Total Solar Reflectance (outside):	14%
Light to Solar Gain:	1.09	Ultraviolet Transmittance:	38%

Contact Oldcastle BuildingEnvelope® at 866-Oldcastle (653-2278) for samples or additional information concerning performance, strength, deflection, thermal stress or application guidelines. GlasSelect® calculates center of glass performance data using the Lawrence Berkeley National Laboratory (LBNL) Window 6.3 program (version 6.3.74.0) with Environmental Conditions set at NFRC 100-2001. Gas Library ID#1 (Air) is used for Insulating Glass units with air. Gas Library ID#9 (10% Air/90% Argon) is used for Insulating Glass units with argon. Monolithic glass data is from the following sources: 1. LBNL International Glazing Database (IGDB) version 35.0; 2. Vendor supplied spectral data files. Laminated glass data is from the following sources: 1. LBNL International Glazing Database (IGDB) version 35.0; 2. LBNL Optics 6 (version 6.0 Maintenance Pack 1); 3. Vendor supplied spectral data files; 4. Vendor supplied data. 5. Based on vendor testing, clear acid-etched glass performance data is estimated using regular clear glass of equivalent thickness. Thermal values are in Imperial units.