Docket #10 & 11 BAR #2023-00053 & 2023-00068 Old and Historic Alexandria District Date March 2, 2023

ISSUE: Permit to Demolish/Capsulate (partial) and Certificate of Appropriateness

for alterations

APPLICANT: City House Old Town, LLC

LOCATION: Old and Historic Alexandria District

Address 1101 King Street

ZONE: KR/King Street Urban Retail Zone

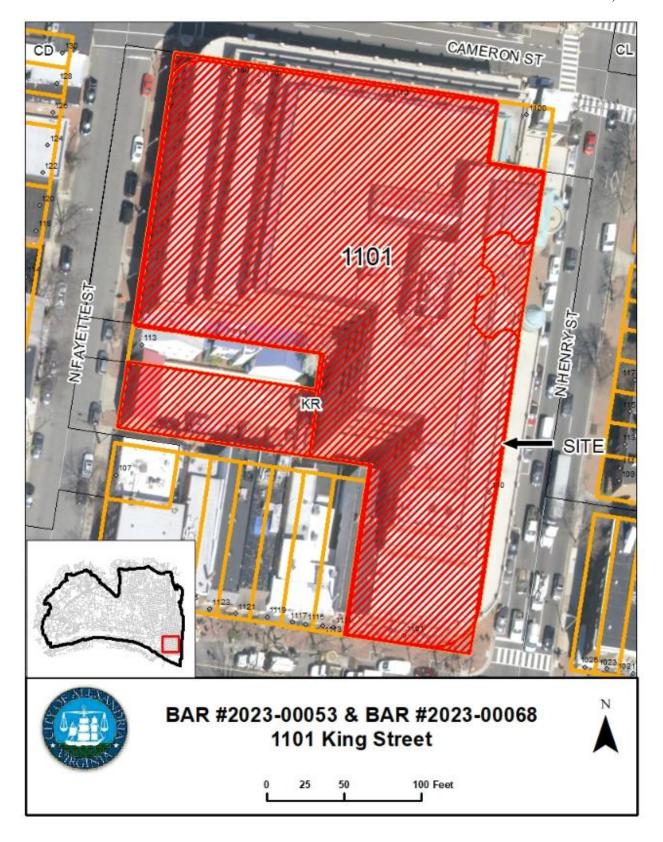
STAFF RECOMMENDATION

Staff recommends approval of the Permit to Demolish/Capsulate (partial) and Certificate of Appropriateness for alterations with the following conditions:

- Arched window openings at the third floor proposed to be converted to rectangular windows should remain as arched windows. The applicant should work with staff to develop a window configuration that will allow for an operable section as required for egress.
- 2. New metal louvers proposed below the second floor windows be installed at all window locations.

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 (<u>including signs</u>). 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 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 <u>Virginia Department of Historic Resources (VDHR)</u> prior to initiating any work to determine whether the proposed project may qualify for such credits.



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Note: Staff coupled the applications for a Permit to Demolish (BAR #2023-00068) and Certificate of Appropriateness (BAR #2023-00052) for clarity and brevity. The Permit to Demolish requires a roll call vote.

I. <u>APPLICANT'S PROPOSAL</u>

The applicant requests a Permit to Demolish/Capsulate (partial) and Certificate of Appropriateness to make various exterior modifications to the building, including the replacement of all exterior windows, modifications to the building entries, and the enclosure of existing above grade parking areas at the Fayette Street section of the building. The signage shown in the submitted documents is not a part of the scope of this Certificate of Appropriateness, a complete signage package will be submitted under separate application.

Permit to Demolish/Capsulate

The proposed area of demolition per elevation:

East: 3,122 sq ft North: 2,980 sq ft West: 5,597 sq ft South: 1,789 sq ft

- Remove all existing windows
- Remove fabric canopies at ground floor
- Seventh floor window wall to be removed
- Area of brick adjacent to third floor arched windows to be removed
- Areas of brick to be removed adjacent to second floor bays for the installation of new louvers
- Removal of doors and curved glass block walls at ground floor entries
- Removal of brick and windows at main building entry on North Henry Street
- Removal of existing dome skylight
- Removal of existing railings throughout
- Existing areas of façade at second and third floor on Fayette elevation currently enclosing parking area to be removed.
- Decorative grillwork at ground floor parking area on Fayette Street elevation to be removed
- Areas of brick adjacent to the existing loading area to be removed for installation of new windows
- Area of brick above garage door to be removed to enlarge opening

Certificate of Appropriateness

- All windows will be replaced
- Existing terra cotta elements at the lower three levels will be stained a gray color
- Light fixtures to be replaced throughout

- Ground floor entries that currently feature a curved glass block wall will be replaced with a new brick wall, door, and sidelight to meet accessibility requirements
- Metal louvers with a bronze finish to be installed below second floor windows
- Storefront at building entry facing Henry Street to be enlarged and areas of brick to be replaced with metal panels with a bronze finish
- A curved metal canopy with a bronze finish will be added to the main entrance facing Henry Street
- New railings to be installed throughout
- A new brick exterior wall with full lite windows and sidelights will be installed at the seventh floor
- Metal privacy screens with a bronze finish to be installed at all terraces
- A new brick stair enclosure and metal pergola will be constructed at the south end of the fourth floor terrace
- Arched windows at the second and third floors throughout are to be enlarged and modified to be rectangular openings.
- Garage entry at north elevation to be enlarged and new garage door to be installed.
- Mechanical equipment enclosures to be installed at roof level
- Existing metal screen at ground floor Fayette Street elevation to be replaced.
- Existing second and third floor exterior openings to parking area on Fayette Street elevation
 to be enclosed with recessed balconies with grey brick walls and full lite doors and
 windows

Site context

The subject property is located at the northwest corner of the intersection of King Street and North Henry Streets. The building occupies the entire eastern and northern section of the block. Due to its size and location all exterior elevations are visible from a public right of way.

II. <u>HISTORY</u>

The Tycon Building is a seven-story brick commercial building at 1101 King Street. It was designed by the architectural firm of Zinser & Dunn and was "cast in the design of numerous other Colonial-style buildings in Old Town Alexandria..." according to the *Washington Post* (New Crown for King Street, by Beth Bateman, October 19, 1985). When the building was designed in 1983 this part of King Street was not located in the historic district, but the following year the district boundaries were expanded, and the King Street portion of the building was included in the district.

Previous BAR Approvals

This commercial building has several tenants and a large number of BAR approvals, mostly signage, however this specific business was recently approved (1/7/2022) for new signage BAR2021-00677.

III. <u>ANALYSIS</u>

Permit to Demolish/Capsulate

In considering a Permit to Demolish/Capsulate, the Board must consider the following criteria set forth in the Zoning Ordinance, §10-105(B), which relate only to the subject property and not to neighboring properties. The Board has purview of the proposed demolition/capsulation regardless of visibility.

Standard	Description of Standard	Standard Met?
(1)	Is the building or structure of such architectural or historical interest that its moving, removing, capsulating or razing would be to the detriment of the public interest?	No
(2)	Is the building or structure of such interest that it could be made into a historic shrine?	No
(3)	Is the building or structure of such old and unusual or uncommon design, texture and material that it could not be reproduced or be reproduced only with great difficulty?	No
(4)	Would retention of the building or structure help preserve the memorial character of the George Washington Memorial Parkway?	No
(5)	Would retention of the building or structure help preserve and protect an historic place or area of historic interest in the city?	No
(6)	Would retention of the building or structure promote the general welfare by maintaining and increasing real estate values, generating business, creating new positions, attracting tourists, students, writers, historians, artists and artisans, attracting new residents, encouraging study and interest in American history, stimulating interest and study in architecture and design, educating citizens in American culture and heritage, and making the city a more attractive and desirable place in which to live?	No

The analysis of the standards indicated above relate only to the specific portions of the building proposed for demolition/capsulation, not the overall building.

In the opinion of staff, none of the criteria for demolition and capsulation are met and the Permit to Demolish/Capsulate should be granted. The select portions of the building proposed for demolition are not themselves of unusual or uncommon design. As the building dates from 1983, it is not of "unusual or uncommon design" and could be built using modern methods of construction.

Certificate of Appropriateness

The subject property is being converted from the previous commercial use to a multi-family use; this conversion was recently approved through DSP 2023-00005. The proposed exterior modifications to the property are consistent with the requirements of a residential property and there is no significant modification to the building massing being proposed. Many of these modifications could be approved administratively, such as the proposed window and railing replacement, but they are being included in this application as part of the overall building improvements. Some of the more significant modifications include the following.

Arched Windows

The existing building includes arched windows at the third floor level, some of which are directly above the projecting curved bays (Figure 1). Curved building elements are an important motif for this building and are present in the tower element at the main building entry, at the seventh floor roof line, and at the building corner facing the corner of King Street and North Henry Street.



Figure 1: Arched third floor windows and other curved building elements

The applicant is proposing to replace these arched windows with two part rectangular windows with one fixed and one operable section. These windows will be similar in configuration to other existing rectangular windows located elsewhere on the building (Figure 2). As with the other replacement windows, an operable section is being added to the window to satisfy the requirements for an emergency egress that is needed in residential construction. These windows would be changed from a single arched window unit to two side by side rectangular windows. Where the other windows in the building maintain a distinctly vertical proportion, the proposed windows in this location take on a more square proportion.



Figure 2: Proposed rectangular third floor windows highlighted in red

The *Design Guidelines* refer to windows as a "principal character defining feature of a building." This is clearly a modern building and the Board often gives greater leeway to modifications to late twentieth century buildings than to the more historically significant early buildings. The curved building element is a motif that ties this building together and is present in elements throughout, including towers, roof forms, projecting bays, and windows. Staff understands that the requirements for windows in a residential building are different than for those in a commercial building but staff finds that these arched windows are a character defining feature and should be maintained. As noted above, the applicant is proposing reconfigured windows to allow for operable sections to meet the egress requirements of residential properties. Staff recommends that the existing arched window openings remain and that the applicant work with staff on a design for the window unit that includes an operable section.

Building Entry

The applicant is proposing modifications to the building entry facing North Henry Street that are meant to make the residential entry point more prominent and recognizable from the sidewalk than the existing configuration (Figure 3). In order to achieve this, the existing storefront section at the ground floor will be enlarged to be full height with a metal panel section above. The first three floors of the tower element at the main entrance will be revised to include new rectangular windows and metal panels between existing vertical brick piers to remain. The modifications will extend from the sidewalk to the existing brick band at the bottom of the fourth floor windows. In addition to these changes a large, curved metal canopy will be installed at the top of the new storefront stretching from the flat section of the wall on either side of the tower element. This canopy will include a metal face to match the building metal panels and tension rods attached to the face of the building between the second and third floor windows.



Figure 3: Proposed elevation and section at building entry showing canopy and metal panels

The Board has recently requested that applicants on multi-family buildings make the main building entry prominent and easily recognizable from the sidewalk. This building is particularly unique in that the main building entrance faces east onto Henry Street while the address for the building is on King Street. The change in exterior material from brick to metal panel is well integrated into the existing architecture, maintaining the vertical piers and fitting within the existing brick detailing. The inclusion of a large curved canopy achieves the goal of protecting building residents from the elements while also reinforcing the curved building motif. Staff finds that the proposed design is well integrated into the existing architecture and is consistent with comments made by the Board regarding other multi-family buildings.

Fayette Street Parking Enclosure

Under the current configuration, there are multiple levels of above grade parking on the Fayette Street portion of the building. The second and third floor areas of parking include wall openings meant to be similar to window openings elsewhere but with metal screens and railings (Figure 4).

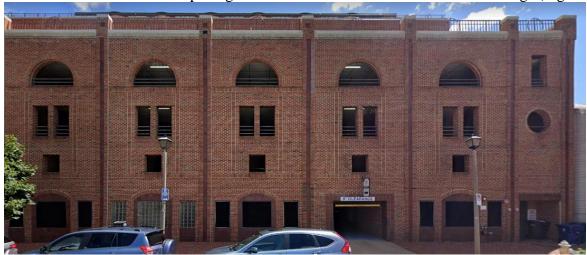


Figure 4: Existing Fayette Street elevation with above grade parking

With the conversion of the building from commercial to residential, there is less of a need for dedicated parking spaces, so the applicant is proposing to enclose the second and third floors of this part of the building and convert them to residential units. Above grade parking will remain on the ground floor to provide the parking required by the residential use of the building. To enclose this area, the applicant is proposing to remove the existing brick between the brick piers and create recessed balconies that feature dark brick walls and full lite doors and windows. Simple metal railings will be at the plane of the piers, marking the edge of the balconies. At the ground level parking, the existing metal screens will be replaced with a new screen designed to be compatible with the proposed railings (Figure 5).



Figure 5: Proposed enclosure of Fayette Street above grade parking, elevation and section

Over the course of a number of projects, the Board has stated that above ground parking is not particularly friendly to the pedestrian experience and is not consistent with the historic building patterns. Wherever possible in new buildings, parking has been required to be located below grade. Given that this is an existing building, the parking cannot be located below grade but staff is pleased to see that the amount of above grade parking is being minimized. The creation of recessed balconies on this elevation will give additional depth and visual interest to what was previously a secondary elevation. The use of the dark brick that is being used elsewhere on the building marks this as a later renovation while still being consistent with the language of the building. The new screen at the ground floor parking area is similar to that which is currently installed but with a design that is more compatible with the proposed railings. Staff finds that the proposed modifications to the Fayette Street elevation are an improvement to the building and make the building more compatible with the historic district.

Stair Tower and Pergola

The applicant is proposing a new brick stair enclosure and at the south end of the fourth floor terrace, this stair is required in order to provide egress from the terrace. The stair enclosure will use the same dark brick used elsewhere on the building and the pergola will be a grey metal. Because of the height of the fourth floor parapet and the location of the enclosure, the upper portion of it will be visible from King Street (Figure 6).



Figure 6: South elevation showing stair enclosure and pergola

Staff finds that while this new massing is somewhat incongruous with the existing building massing, its design is understated and will have minimal impact on the overall architecture. It should be noted that per the attached zoning comments, the pergola will need to be at least 80% open to above. With that, staff supports this intervention in the fourth floor terrace.

Louvers Below Second Floor Windows

As shown in Figure 6 above, the applicant is proposing to install new metal vents below the existing second floor windows in order to accommodate the new residential use. These metal vents are sized to align with the windows above and will be a metal painted to match the other metal components on the building. While mechanical vents can often be a detriment to building elevations, they are a necessary part of the function of a residential building and staff finds that the proposed vents are well organized and do not disrupt the overall composition of the elevations. The applicant is currently proposing to install these vents in only those locations where they are needed. In reviewing the elevations, this ends up being located at all but a few locations. In order to maintain a balance of the overall composition staff is recommending that they be installed at all second floor window locations. This consistency will diminish their overall impact on the elevations, making then an incidental part of the composition.

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The proposed modifications to the property at 1101 King Street are being made as a part of the conversion of the building from commercial to multi-family residential use. These modifications are consistent with the building elements commonly found in a multi-family building and staff finds that they have been well integrated into the existing architecture. Staff is supportive of the revisions to the main entry and to the Fayette Street elevation as these are improvements to the building and reflect comments made by the Board regarding other proposed multi-family buildings.

Staff recommends approval of the Permit to Demolish/Capsulate (partial) and Certificate of Appropriateness for alterations with the following conditions:

- Arched window openings at the third floor proposed to be converted to rectangular windows should remain as arched windows. The applicant should work with staff to develop a window configuration that will allow for an operable section as required for egress.
- **2.** New metal louvers proposed below the second floor windows be installed at all window locations.

STAFF

Bill Conkey, AIA, Historic Preservation Architect, Planning & Zoning Tony LaColla, AICP, Land Use Services Division Chief, Planning & Zoning

III. <u>CITY DEPARTMENT COMMENTS</u>

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

Zoning

- C-1 Proposed lighting changes, replacement windows, garage door, and balcony screening comply with zoning.
- C-2 Proposed rooftop pergola must remain 80% open.
- C-3 Proposed demolition complies with zoning.
- F-1 On June 18, 2022, City Council approved SUP #2022-00024 for a conversion from office to residential space. A minor site plan amendment to change some of the existing interior space from parking to residential was submitted on February 14, 2023 and is currently being reviewed.

Code Administration

C-1 A building permit and plan review are required prior to the start of construction

Transportation and Environmental Services

F-1 Comply with all requirements of SIT82-0011 and SUP 2022-00024. (T&ES)

F-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 Archaeology has no comments on this undertaking.

V. <u>ATTACHMENTS</u>

- 1 Application Materials for BAR 2023-00053 & BAR 2023-00068
- 2 Supplemental Materials

	BAR Case #
ADDRESS OF PROJECT: 1101 KING STREET, ALEXANDRIA, VA 22314	ļ
DISTRICT: ■ Old & Historic Alexandria □ Parker – Gray	☐ 100 Year Old Building
TAX MAP AND PARCEL: 064.03-0a-00	zoning: KR
ADDI IOATION FOR 100	
APPLICATION FOR: (Please check all that apply)	
■ CERTIFICATE OF APPROPRIATENESS	
PERMIT TO MOVE, REMOVE, ENCAPSULATE OR DEMOL (Required if more than 25 square feet of a structure is to be demolished/impa	
WAIVER OF VISION CLEARANCE REQUIREMENT and/or CLEARANCE AREA (Section 7-802, Alexandria 1992 Zoning Ordinan	
WAIVER OF ROOFTOP HVAC SCREENING REQUIREMEN (Section 6-403(B)(3), Alexandria 1992 Zoning Ordinance)	ІТ
Applicant: Property Owner Business (Please provide by Name: CITY HOUSE OLD TOWN, LLC Address: 1660 INTERNATIONAL DR. STE 500	ousiness name & contact person)
City: MCLEAN State: VA Zip: 22	<u> </u>
0.40, 0.50, 0.000	ERICANPARTNERS.COM
Authorized Agent (if applicable): Attorney Architect	et
HEIDILEINBACH@COOPERCARRY.COM E-mail:	FIIORE.
Legal Property Owner:	
Name: CITY HOUSE OLD TOWN, LLC	_
Address: 1660 INTERNATIONAL DR. STE 500	_
City: MCLEAN State: VA Zip: 22	2102-4854
Phone: 843-259-6680	NERS.COM
Yes No Is there an historic preservation easement on this Yes No If yes, has the easement holder agreed to the property Is there a homeowner's association for this property Yes No If yes, has the homeowner's association approved	posed alterations? rty?

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

				BAR Case #	
NAT	NATURE OF PROPOSED WORK: Please check all that apply				
x x	NEW CONSTRUCTIO EXTERIOR ALTERAT awning doors lighting other ADDITION DEMOLITION/ENCAPSULA SIGNAGE	ION: Please check all that apple fence, gate or garden wall windows pergola/trellis	■ HVA		☐ shutters ☐ shed

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

THE EXISTING MIXED USE OFFICE/RETAIL BUILDING, LOCATED AT 1101 KING STREET, IS BEING CONVERTED TO A MIXED USE RESIDENTIAL BUILDING. A MAJORITY OF THE EXISTING FACADE IS TO REMAIN INTACT, WITH SUBTLE ALTERATIONS TO SUIT A RESIDENTIAL USE. ALONG HENRY STREET, THE MAIN OFFICE ENTRANCE WILL RECEIVE NEW STORFRONT, AN AWNING, LIGHTING AND METAL PANEL TO DRESS UP THE ENTRANCE. EXISTING FABRIC AWNINGS ARE BEING REMOVED AND NEW SIGNAGE FOR RETAILERS IS BEING PROPOSED AROUND THE FACADE ON KING, HENRY AND CAMERON. ALONG FAYETTE STREET, TWO LEVELS OF THE EXISTING GARAGE ARE BEING CONVERTED TO APARTMENTS, FACADE OF THE GARAGE WILL BE DEMOLISHED AND NEW FACADE WITH CONTRASTING GREY BRICK AND NEW WINDOWS WITH BALCONIES WILL REPLACE THE GARAGE OPENINGS ON LEVELS 2-3. ALL WINDOWS FROM LEVELS 2-7 WILL BE REPLACED WITH HIGHER PERFORMING WINDOWS FOR ENERGY AND SOUND ALONG WITH SMALL WALL VENTS FOR EXAUSTING BATHROOMS, KITCHENS AND LAUNDRY. ON LEVEL 7, WINDOW WALL IS BEING REPLACED WITH A FACADE OF PUNCHED WINDOWS AND BRICK IN A CONTRASTING GREY COLOR. AROUND THE ENTIRE BUILDING BASE ON LEVELS 01-03, ACCENTS OF GREY STAINING ARE BEING PROPOSED TO HIGHLIGHT THE EXISTING TERRA COTTA ON THE FACADE. NEW MECHANIAL LOUVERS FOR THE RETAIL SPACES ARE ALSO BEING PROPOSED TO BRING THE BUILDING UP TO CURRENT CODE STANDARDS.

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.

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.

BAR Case #	

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.

	NI/A	
х		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
	П	equipment. FAR & Open Space calculation form.
×	H	Clear and labeled photographs of the site, surrounding properties and existing structures, if
		applicable.
×		Existing elevations must be scaled and include dimensions.
х	Ш	Proposed elevations must be scaled and include dimensions. Include the relationship to adjacent structures in plan and elevations.
Х		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.
illur	ninat	& Awnings: One sign per building under one square foot does not require BAR approval unless ed. All other signs including window signs require BAR approval. Check N/A if an item in this section does to your project.
		TO BE INCLUDED IN SEPARATE FUTURE APPLICATION
П	N/A	Linear feet of building: Front:Secondary front (if corner lot):
		Square feet of existing signs to remain:
		Photograph of building showing existing conditions.
\mathbb{H}		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).
H		Means of attachment (drawing or manufacturer's cut sheet of bracket if applicable).
x		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.
		•
Alt	erat	ions: Check N/A if an item in this section does not apply to your project.
$\overline{}$	N/A	
х	Ш	Clear and labeled photographs of the site, especially the area being impacted by the alterations, all sides of the building and any pertinent details.
П		Manufacturer's specifications for materials to include, but not limited to: roofing, siding, windows,
_		doors, lighting, fencing, HVAC equipment and walls.
х		Drawings accurately representing the changes to the proposed structure, including materials and overall dimensions. Drawings must be to scale.
х		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.

BAR Case # _	
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х	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.)
х	I understand the notice requirements and will return a copy of the three respective notice forms to

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.

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

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: HEIDI LEINBACH

Date:

01/30/2023

OWNERSHIP AND DISCLOSURE STATEMENT Use additional sheets if necessary

Nama	Addross	Parcent of Ownership
which is the subject of the appl	lication.	
, , ,	interest held at the time of the	application in the real property
include any legal or equitable	interest held at the time of the	application in the real property
case identify each owner of	more than three percent. The	term ownership interest shall
an interest in the applicant, u	unless the entity is a corpora	tion or partnership, in which
<u> </u>	address and percent of ownership	

Name	Address	Percent of Ownership
1. CITY HOUSE OLD TOWN,	1660 INTERNATIONAL DR STE 500 MCLEAN VA 22102-4854	100%
2.		
3.		

2. <u>Property.</u> State the name, address and percent of ownership of any person or entity owning
an interest in the property located at 1101 KING STREET, ALX, 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.} CITY HOUSE OLD TOWN,	1660 INTERNATIONAL DR STE 500 MCLEAN VA 22102-4854	100%
2.		
3.		

3. <u>Business or Financial Relationships.</u> 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 the12-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.		
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.

Date	Printed Nam	e		Signature		
01/30/2023	HEIDI LEINBACH	C	Hym -			
the information	n provided above is true	and correct.				
As the applica	int or the applicant's au	thorized agent, I	hereby attest	to the best	of my al	oility tha

TO: DIRECTOR OF PLANNING & ZONING CITY OF ALEXANDRIA, VIRGINIA

Article XI, Section 11-301(A)(3), of the 1992 Zoning Ordinance of the City of Alexandria, Virginia states:

At least five days prior to the hearing, the applicant shall supply the director of Planning & Zoning with:

- a) a copy of the NOTICE OF PUBLIC HEARING sent;
- b) a copy of the PROPERTY OWNERS LIST; and,
- c) this completed CERTIFICATION OF NOTICE.

The applicant shall use the records and maps maintained by the Department of Real Estate Assessement to determine the proper recipients of notice and reliance upon such records shall constitute compliance with the requirements of this section. §11-301(A)(3).

THE UNDERSIGNED HEREBY CERTIFIES that the notice to adjoining property owners (<u>copy attached</u>), as required pursuant to Article XI, §11-301(A) of the 1992 Zoning Ordinance of the City of Alexandria, Virginia, was **sent** to the attached list of property owners concerning the following issue:

DATE MAILED:			•
HEARING DATE:	MARCH 02, 2023		
PROPERTY ADDRESS	1100 KING STREET, A	LEXANDRIA, VA 22314	
ISSUE DESCRIPTION:	CONVERSION OF PRO	PERTY FROM OFFICE T	O RESIDENTIAL
A MAJORITY OF THE EXISTING	FACADE WILL REMAIN INTACT WITH	H WINDOW REPLACEMENT & NEW WA	LL VENTS ON LEVELS 02-07
THE MAIN HENRY STREET ENTRA	NCE WILL BE REDESIGNED TO SUIT TH	E RESIDENTIAL CONVERSION WITH NEW	STOREFRONT AND PANELING.
THE FAYETTE STREET GARA	GE FACADE WILL BE CONVERTE	D TO BALCONIES FOR APARTMENT	Γ UNITS ON LEVELS 02-03.
RETAIL ENTRANCES ALONG H	HENRY STREET AND CAMERON ST	REET WILL BE BROUGHT UP TO COD	E WITH NEW ENTRANCES.
HEIDI LEINBACH Print Name		Signature	
571-775-0486		01/20/2023	5
Telephone		Date	
HEIDILEINBACH@CO	OOPERCARRY.COM		
E-mail addres	 SS		

NOTE: Applicant to return this copy at least 5 days prior to the hearing to: Department of Planning and Zoning, 301 King Street, Room 2100.

You are hereby notified of the following public hearing to be held on the issue described below by the Board of Architectural Review:

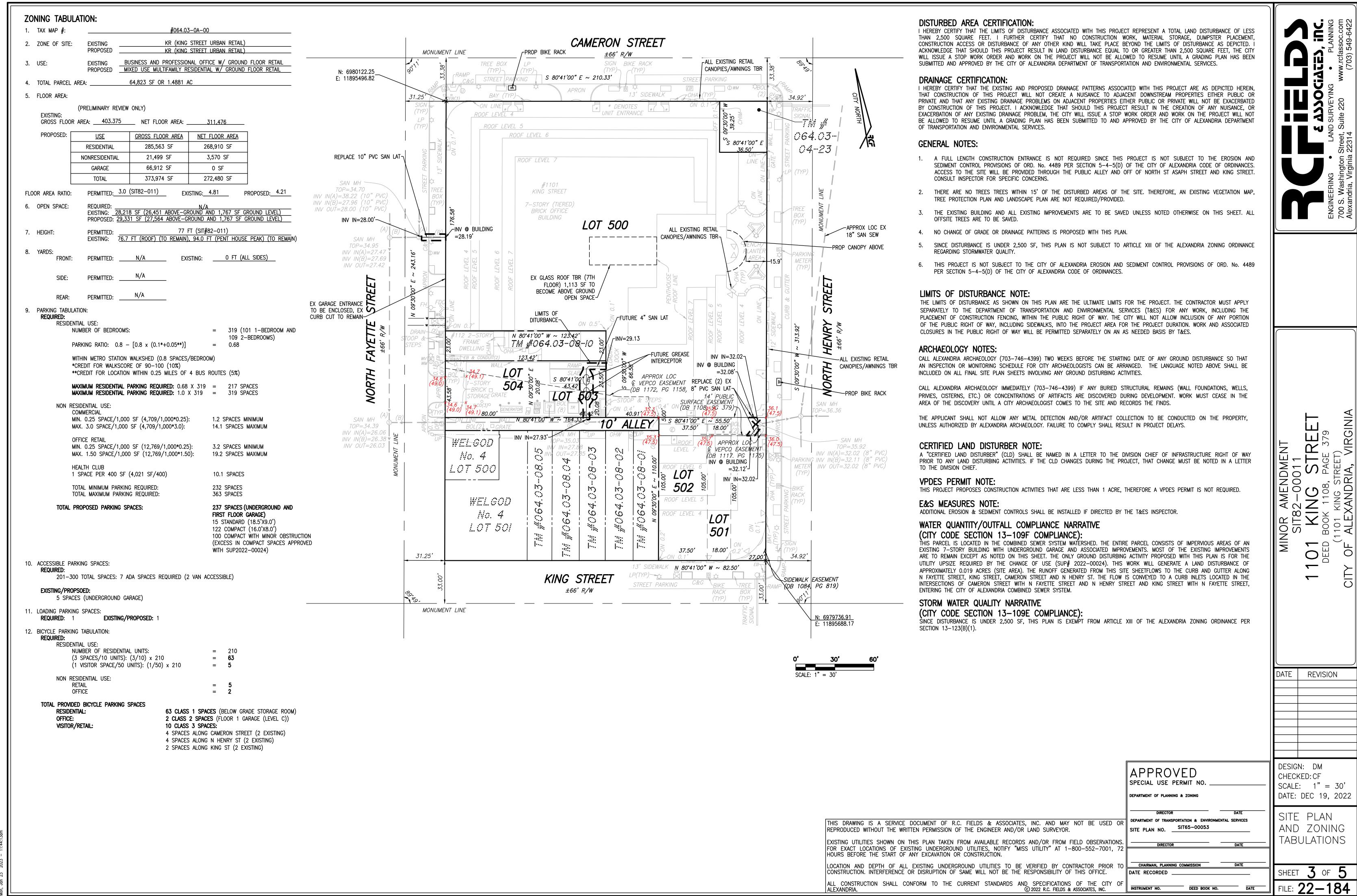
BOARD OF ARCHITECTURAL REVIEW MEETING DATE:

7:00 P.M., City Hall
301 King Street
City Council Chambers, 2nd Floor
Alexandria, Virginia 22314

Alexandria,	rngina 22017
ISSUE DESCRIPTION:	CONVERSION OF PROPERTY FROM OFFICE TO RESIDENTIAL
A MAJORITY OF THE EXISTING FA	ACADE WILL REMAIN INTACT WITH WINDOW REPLACEMENT & NEW WALL VENTS ON LEVELS 02-07
THE MAIN HENRY STREET ENTRANCE	E WILL BE REDESIGNED TO SUIT THE RESIDENTIAL CONVERSION WITH NEW STOREFRONT AND PANELING.
THE FAYETTE STREET GARAGI	E FACADE WILL BE CONVERTED TO BALCONIES FOR APARTMENT UNITS ON LEVELS 02-03.
PROPERTY ADDRESS	1101 KING STREET, ALEXANDRIA, VA 22314
	oric Alexandria $\ \square$ Parker – Gray $\ \square$ 100 Year Old Building AP NUMBER: $\frac{064.03\text{-}0A\text{-}AA}{}$
views concerning the ab	interest, you are invited to attend these meetings and express your love issue. If you have any questions regarding the request, you can and heidileinbach@coopercarry.com aptional).
Sincerely,	HEIDI LEINBACH
Applicant Signature	Applicant Printed Name
*Date Mailed: 02/01/202	23

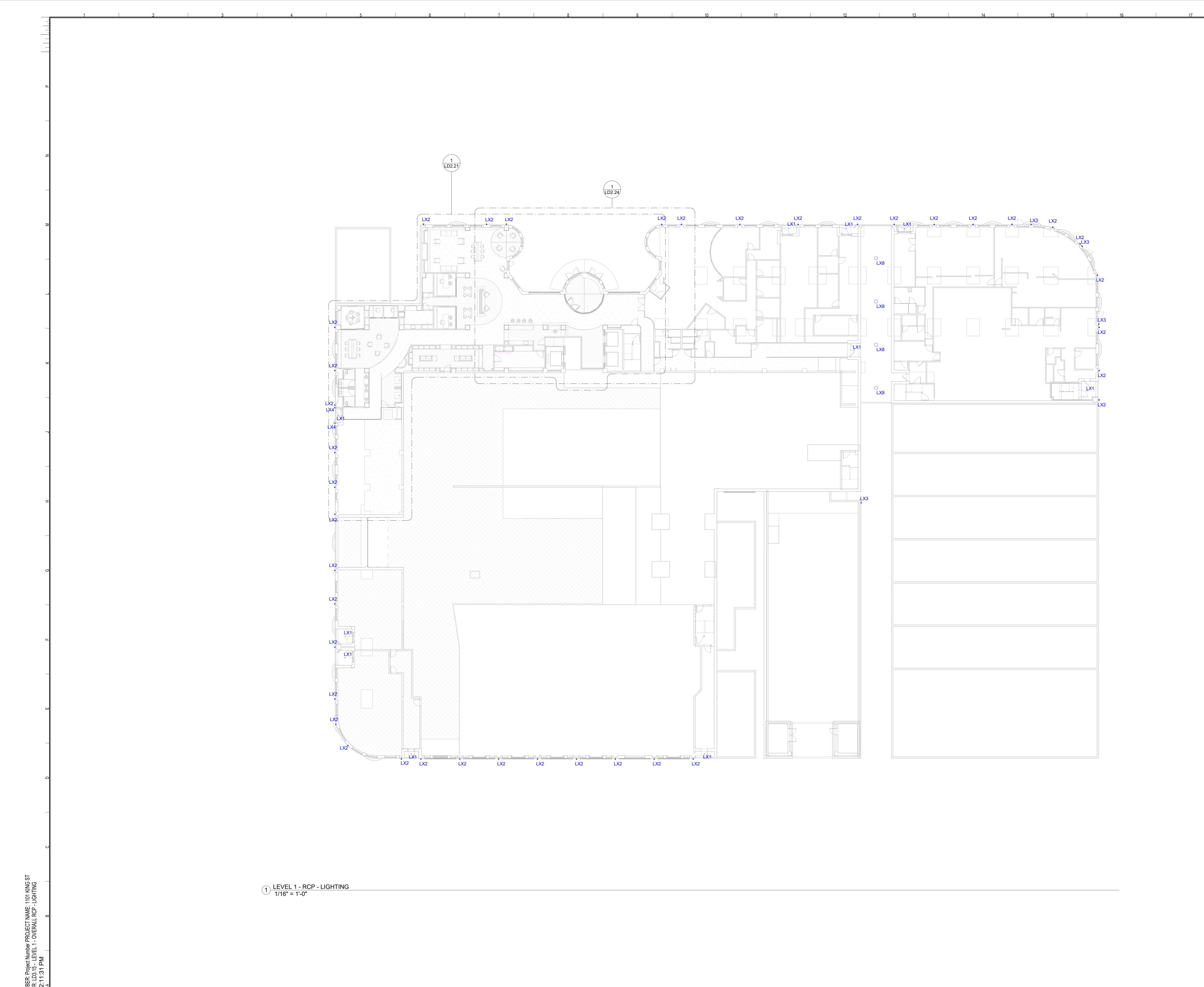
*Applicant to mail this notice to adjoining and abutting property owners <u>at least ten but no more</u> than thirty days prior to the hearing.

NOTE: Applicant to return this copy at least five days prior to the hearing to: Department of Planning and Zoning, 301 King Street, Room 2100.



022\22184\DWG\DELIV\03_SITE

20



SARAH RICHTER DESIGN 1783 Forest Drive #237

> (443) 926-1321 www.sarahrichterdesign.com

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Annapolis, MD 21401

SCOPE DOCUMENTS

The Contract Documents Issued for [Conceptual Design, Schematic Design, Design Development, Partial Construction Documents or Other Issuance up to Issued for Construction] are intended to be at that level of development and as such, may be neither complete nor coordinated. The [Construction Manager, Contractor, Design/Builder] is responsible for complete and coordinated pricing [and execution] of the Work, and shall include items necessary for the proper execution and completion of the Work, as shown, specified, reasonably inferred or required for a complete Project. For Work of delegated designs; systems, assemblies, components and materials shall comply with national, state and local code requirements. The [Construction Manager, Contractor, Design/Builder] shall inform the Owner and Architect, in timely fashion, of any discovered omissions, inconsistencies or errors in the Contract Documents.

ISSUANCES
No. Drawing Issue Description Date

BAR SUBMISSION 01/31/2023

1101 KING ST

1101 KING ST, ALEXANDRIA VA ♦

LEVEL 1 - OVERALL RCP -LIGHTING

MG DRAWN BY SR

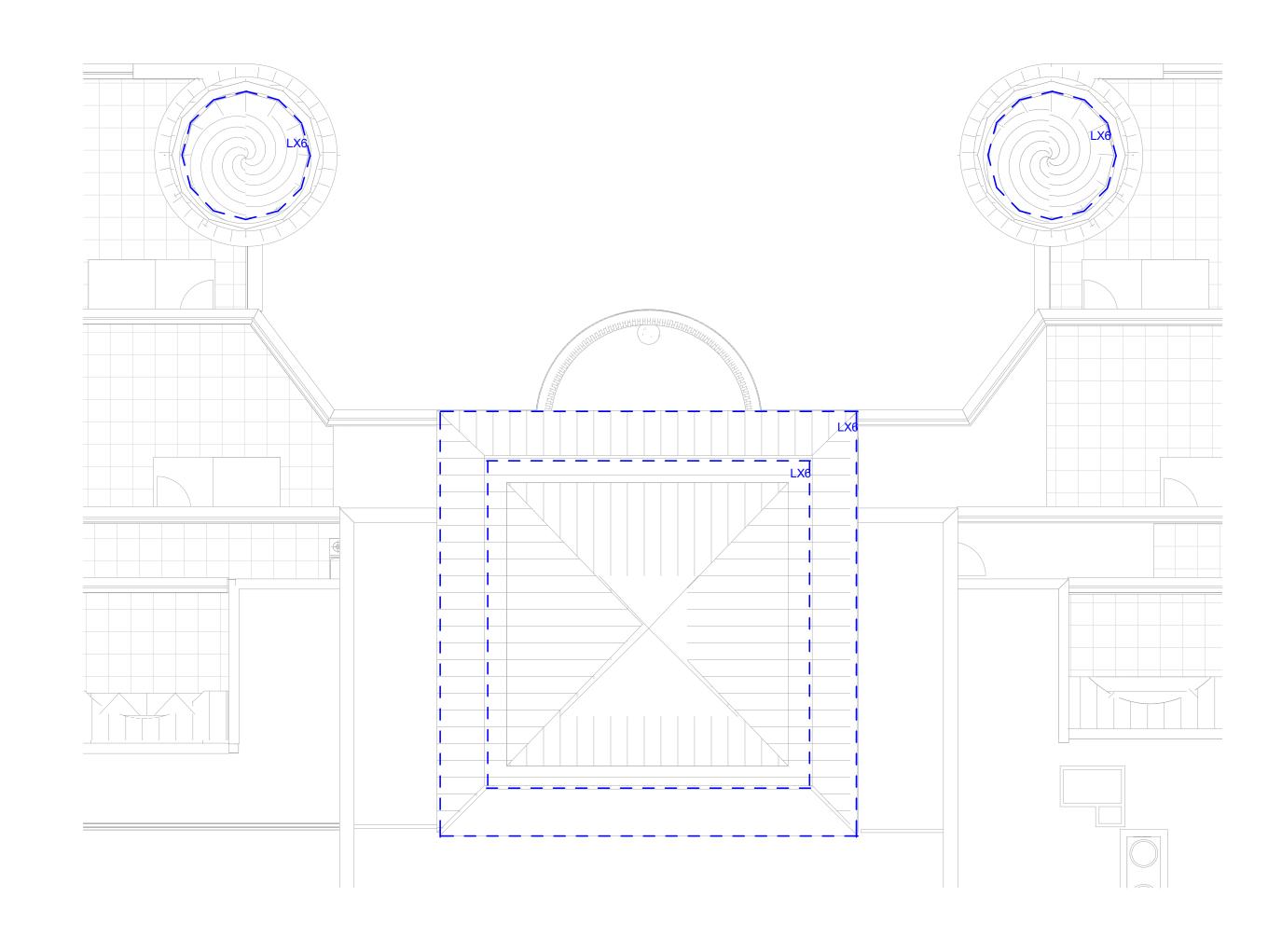
Date

LD3.15

PLEASE NOTE: DRAWINGS FOR COORDINATION PURPOSES ONLY. NOT FOR CONSTRUCTION.

LEVEL 1- PART PLAN - CANOPY LIGHTING
1/8" = 1'-0"

150 220



2 LEVEL ROOF - PART PLAN - LIGHTING 1/8" = 1'-0" S R D

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SCOPE DOCUMENTS

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ISSUANCES

No. Drawing Issue Description Date

BAR SUBMISSION 01/31/2023

1101 KING ST

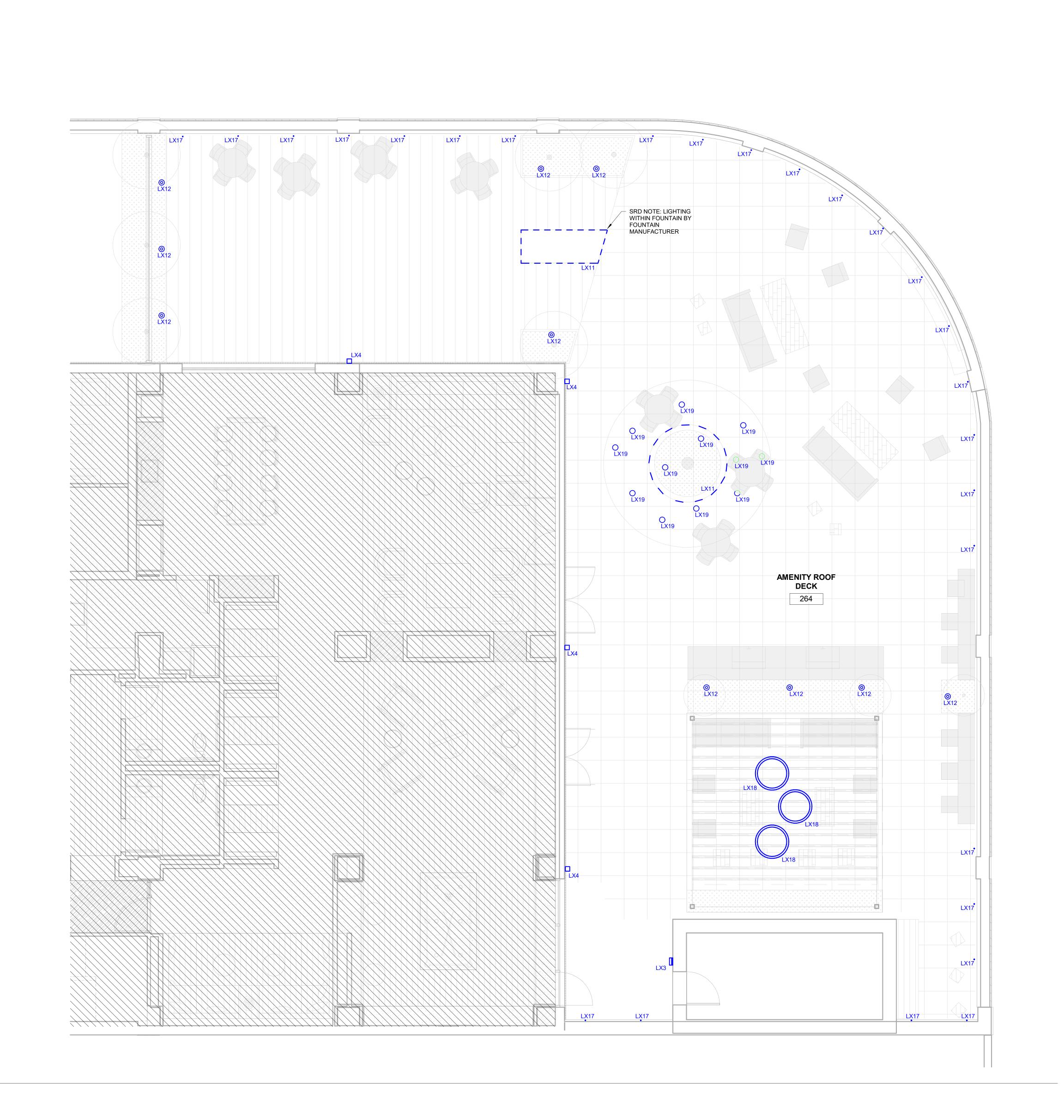
1101 KING ST, ALEXANDRIA VA ◆

ENTRY CANOPY AND ROOF -LIGHTING

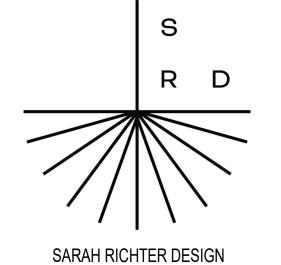
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LD2.24

PLEASE NOTE: DRAWINGS FOR COORDINATION PURPOSES ONLY. NOT FOR CONSTRUCTION.



3"x3" REQUIRED CLEAR SPACE



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		ISSUANCES	
_	No.	Drawing Issue Description	Date
		BAR SUBMISSION	01/31/2023

1101 KING ST

1101 KING ST, ALEXANDRIA VA ◆

LEVEL 4 EXTERIOR AMENITY DECK - LIGHTING

MG DRAWN BY

PLEASE NOTE: DRAWINGS FOR COORDINATION PURPOSES ONLY. NOT FOR CONSTRUCTION.

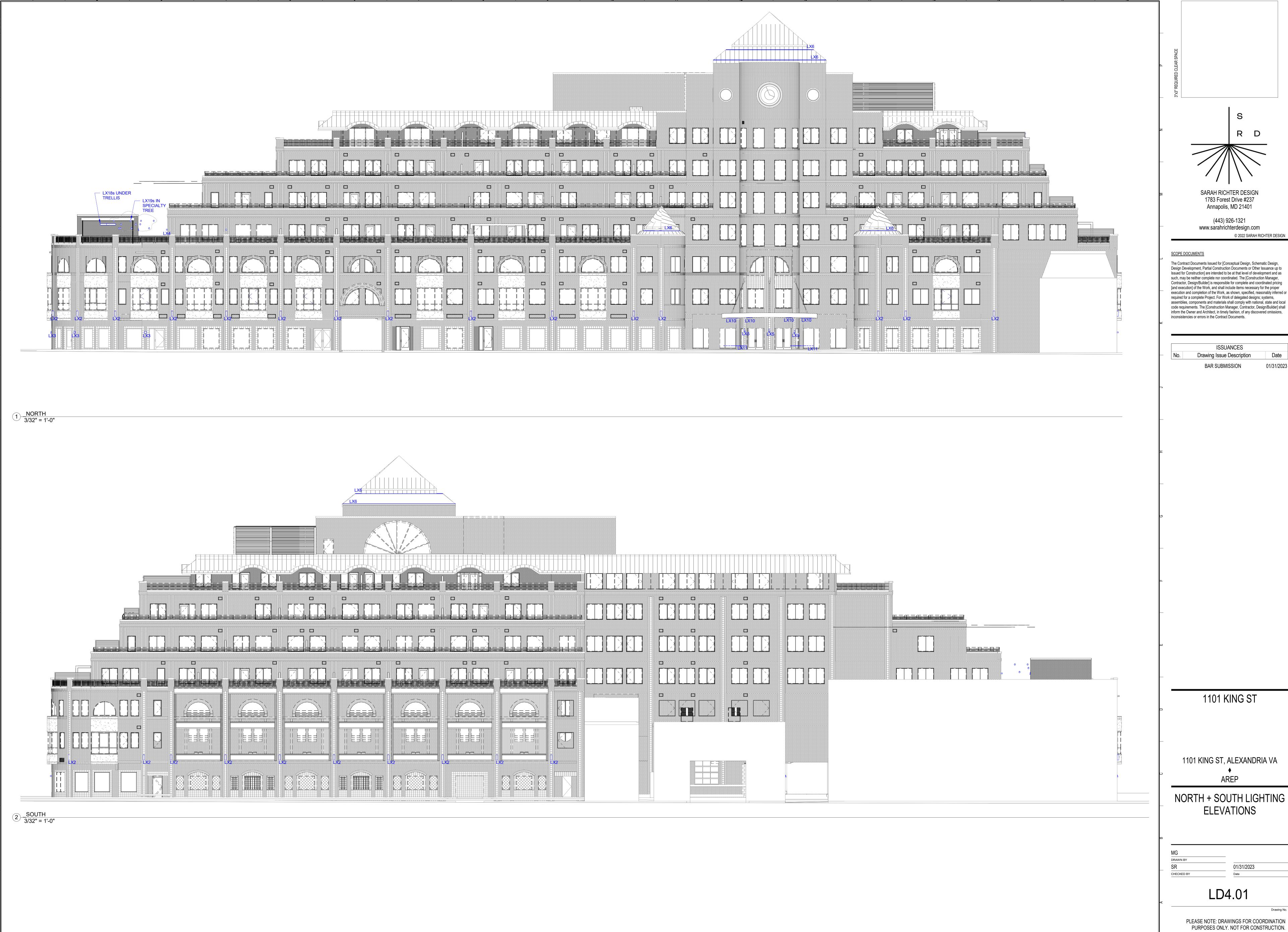
ROJECT NUMBER: Project Number PROJECT NAME: 110

LEVEL 4- PART PLAN - EXTERIOR

AMENITY DECK - LIGHTING

1/4" = 1'-0"

LD2.25

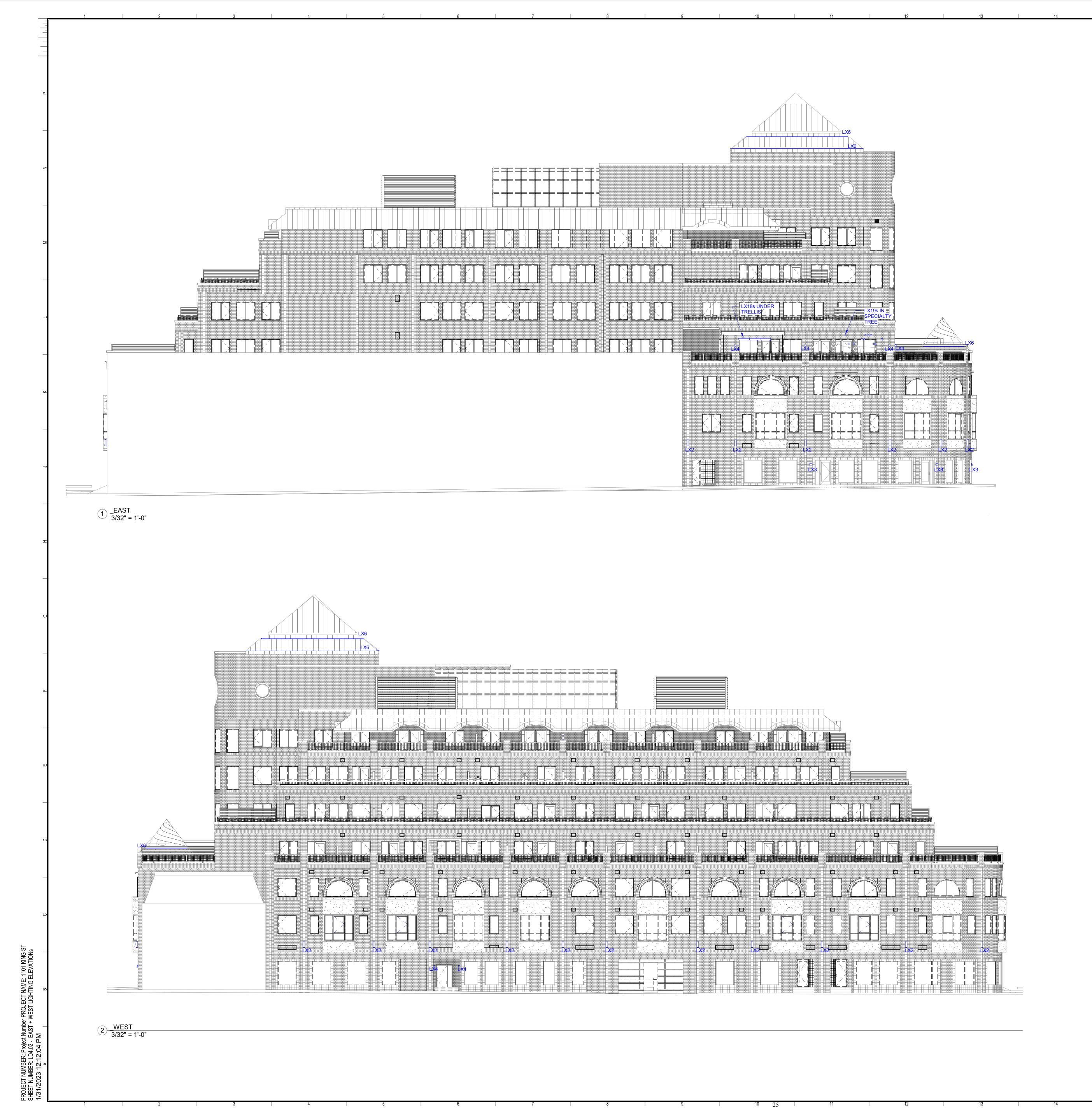


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NORTH + SOUTH LIGHTING



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SCOPE DOCUMENTS

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ISSUANCES
No. Drawing Issue Description Date

BAR SUBMISSION 01/31/2023

1101 KING ST

1101 KING ST, ALEXANDRIA VA

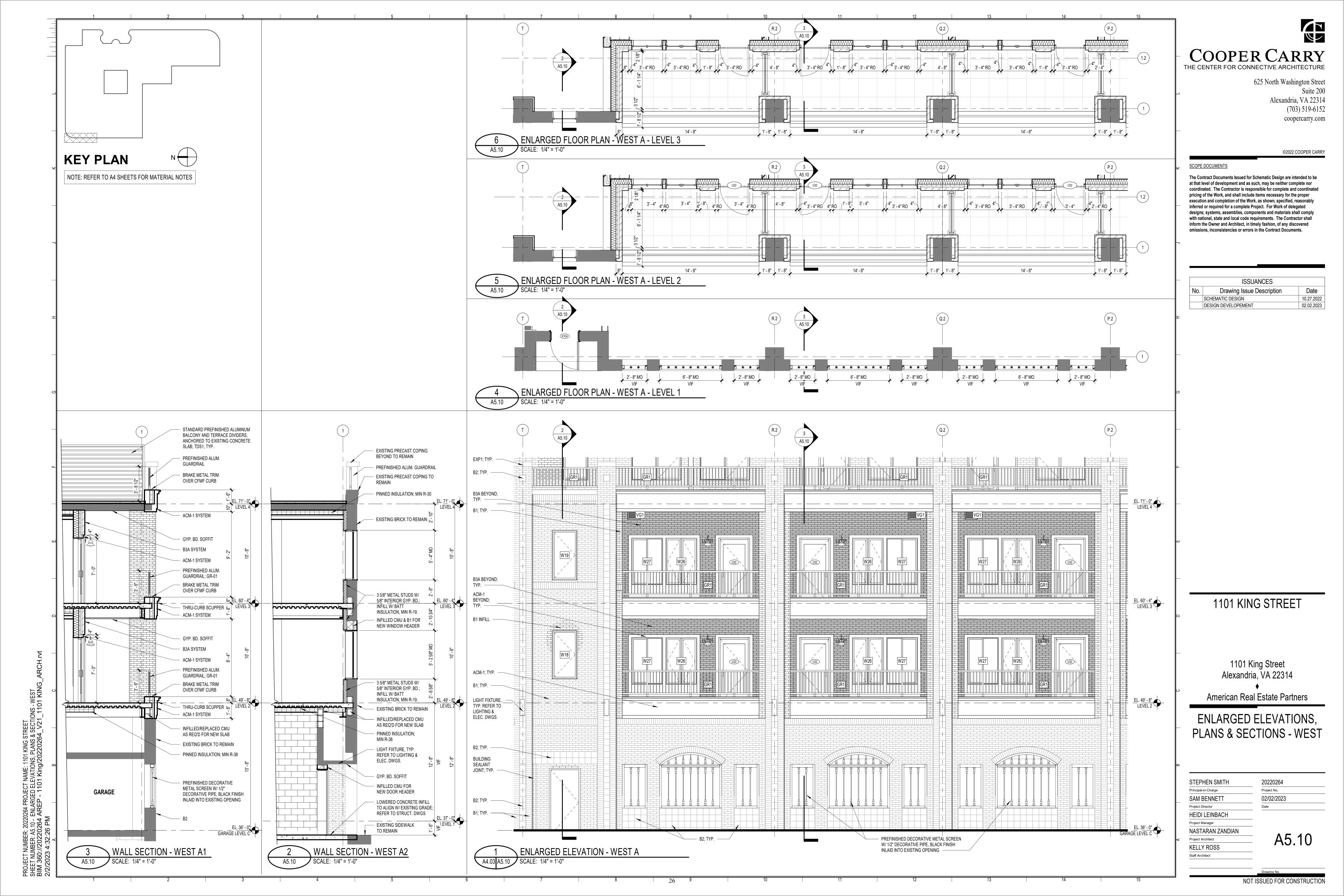
AREP

EAST + WEST LIGHTING ELEVATIONs

MG DRAWN BY

LD4.02

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	ISSUANCES	
٥.	Drawing Issue Description	Date
	DESIGN DEVELOPEMENT	02.02.2023

1101 King Street

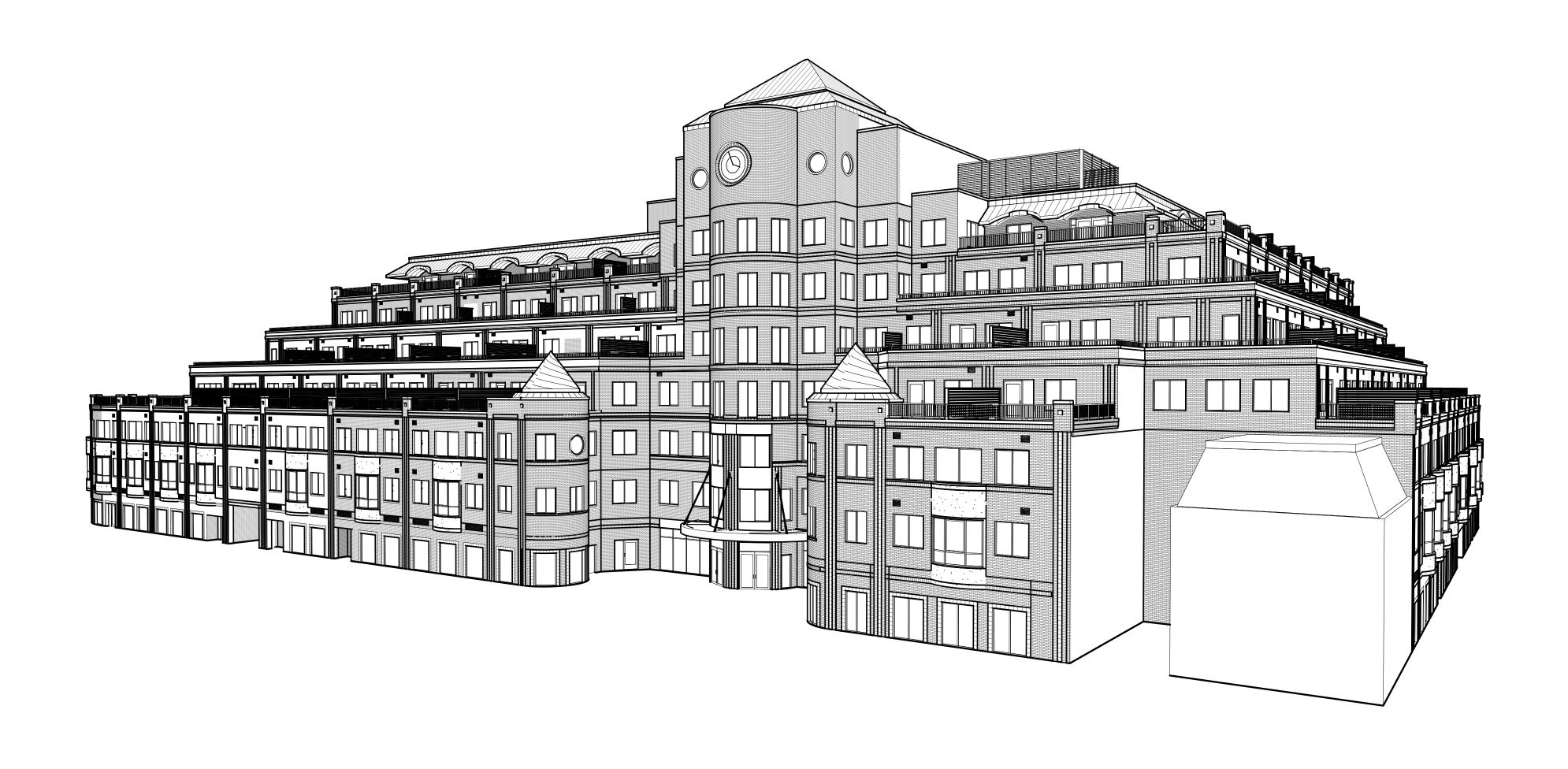
American Real Estate Partners

ENLARGED ELEVATIONS AND **SECTIONS - EAST**

A5.04A



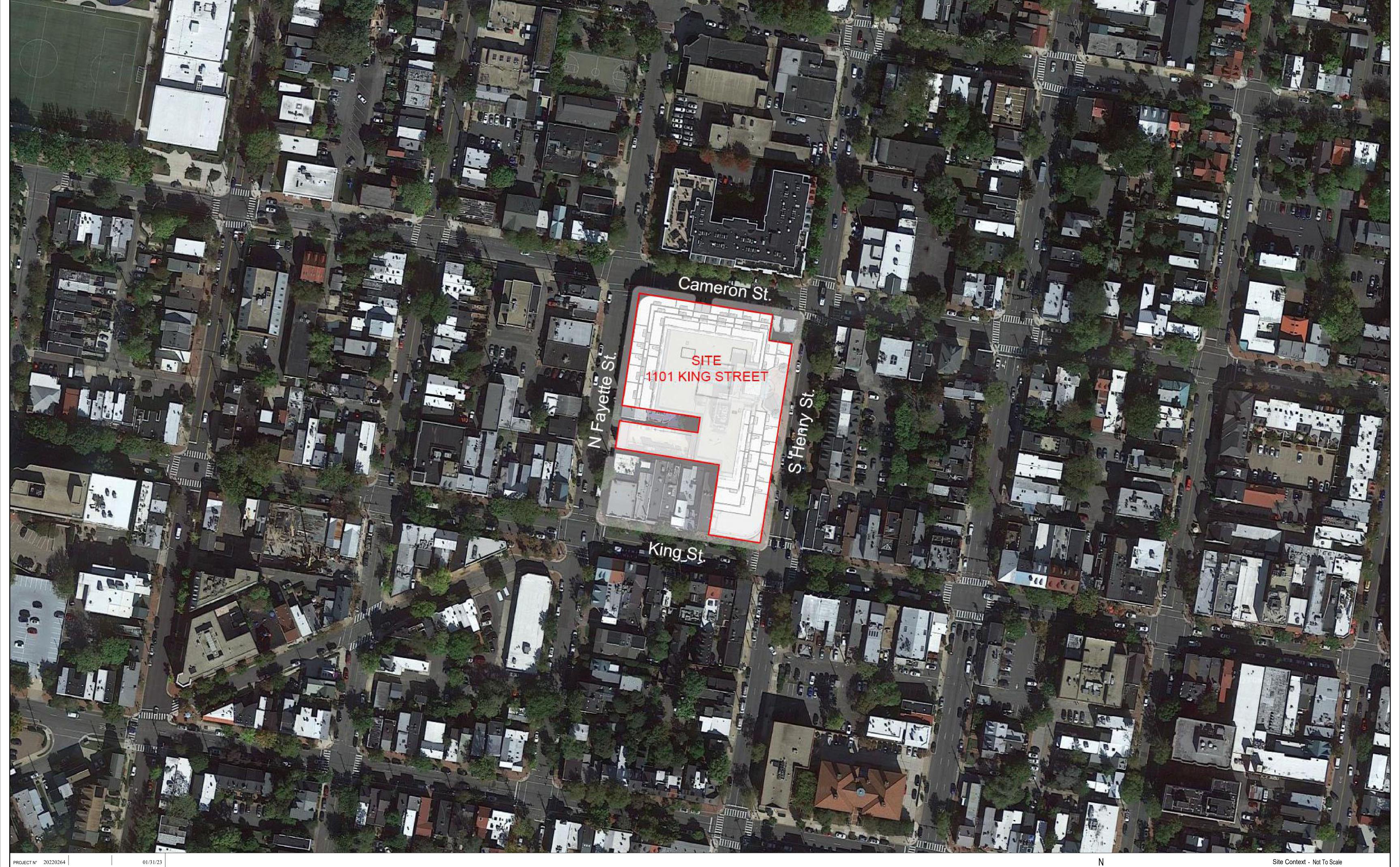
1101 STREET, ALEXANDRIA, VIRGINIA



B.A.R. REVIEW January 31, 2023

PROJECT N° 20220264

01/31/23





1101 KING STREET

1101 King Street

Alexandria, VA 22314

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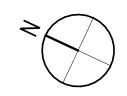
HENRY STREET - ALLEY EXIT BIKE RACK PROPERTY LINE TREE WELLS MAIN ENTRANCE - 5TH FLOOR TERRACE - 6TH FLOOR TERRACE - 7TH FLOOR TERRACE ADJACENT BUILDING EXISTING DONE SKYLIGHT TO BE DEMOLISHED 4TH FLOOR TERRACE UPPER ROOF 5TH FLOOR TERRACE COOLING TOWERS 6TH FLOOR TERRACE 7TH FLOOR TERRACE MAIN GARAGE ENTRANCE MAIN ROOF - ADJACENT BUILDING S LOADING DOCK TRANSFORMERS AND GENERATOR

N FAYETTE STREET

LOADING DOCK ENTRANCE

- ALLEY ENTRANCE ONE WAY





PROJECT N° 20220264 01/31/23

AREP

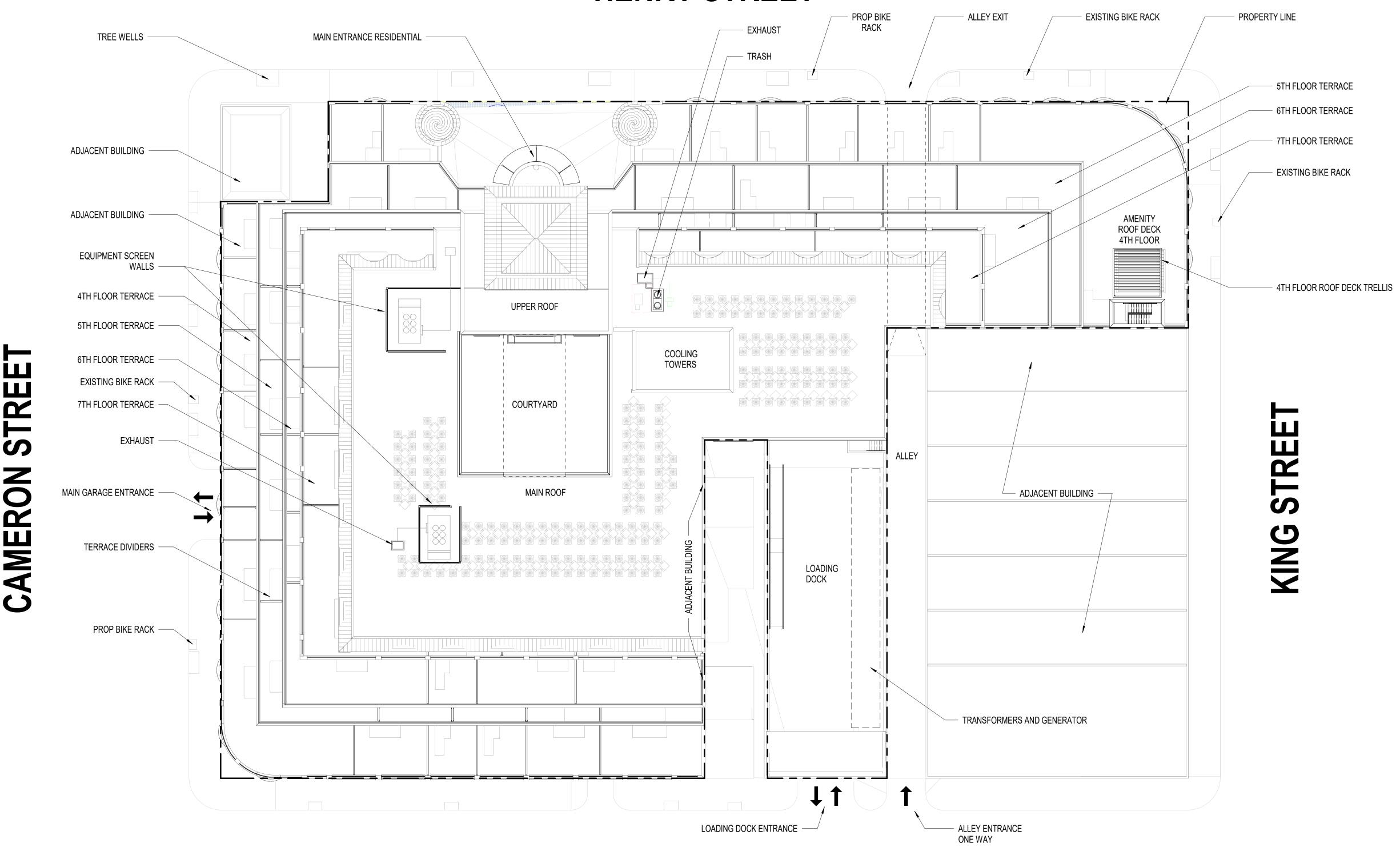
1101 KING STREET

1101 King Street
Alexandria, VA 22314

Existing Site Plan



HENRY STREET



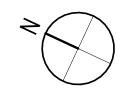
N FAYETTE STREET



01/31/23

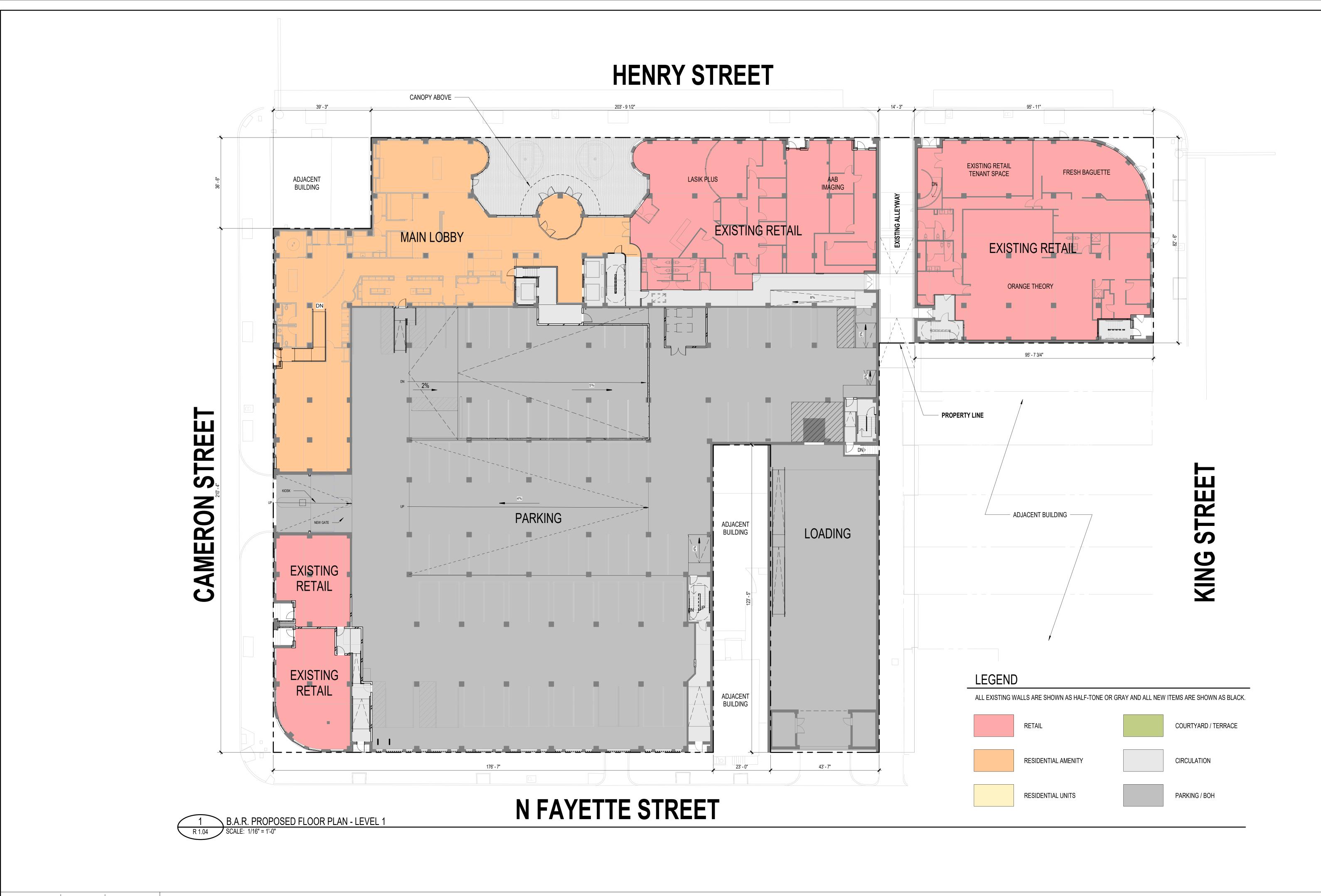
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PROJECT N° 20220264



Proposed Site Plan







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Proposed Floor Plan - Level 1

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Proposed Floor Plan - Level 2

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Proposed Floor Plan - Level 3

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Proposed Floor Plan - Level 4

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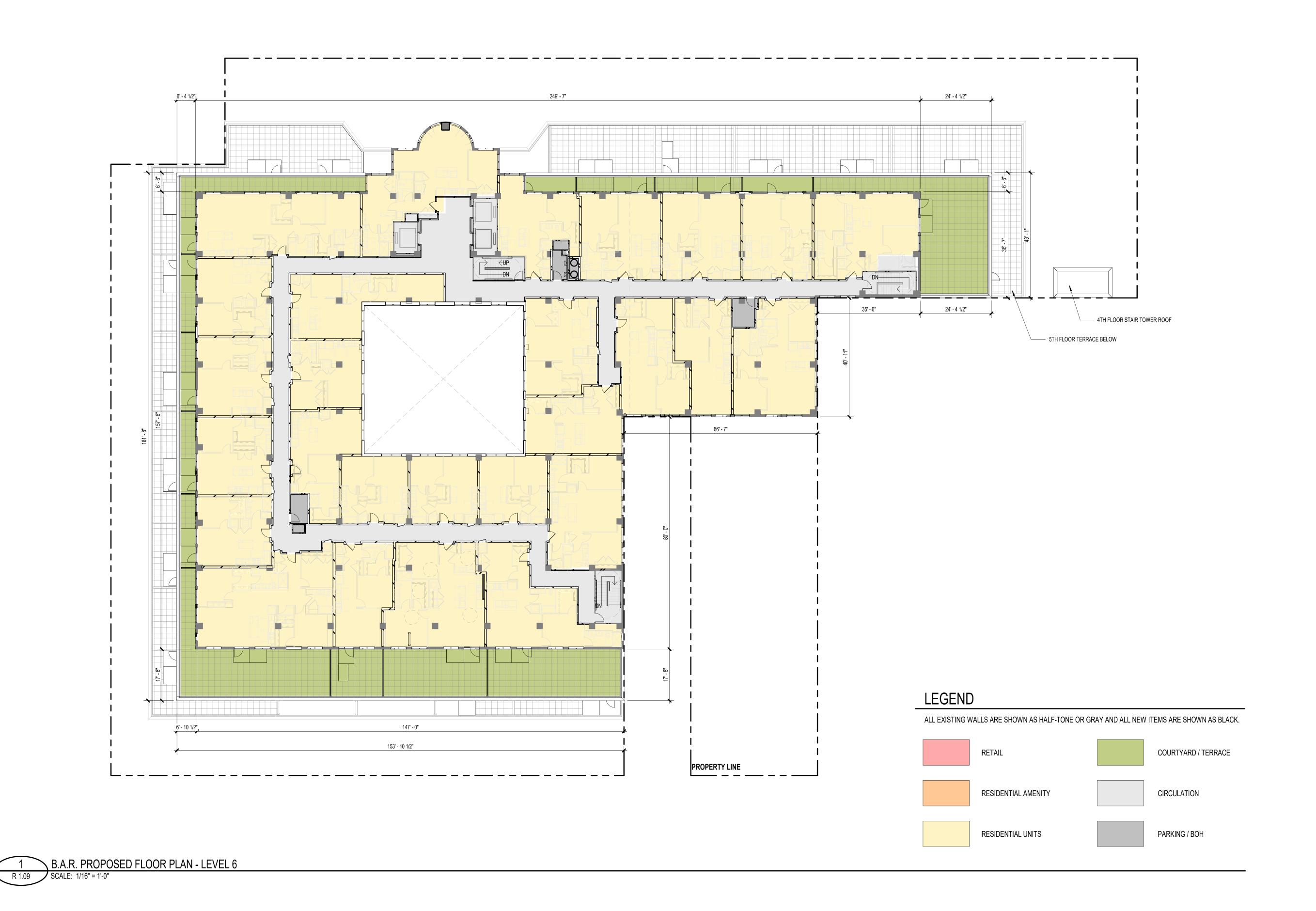
PROJECT N° 20220264

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Proposed Floor Plan - Level 5

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Proposed Floor Plan - Level 6

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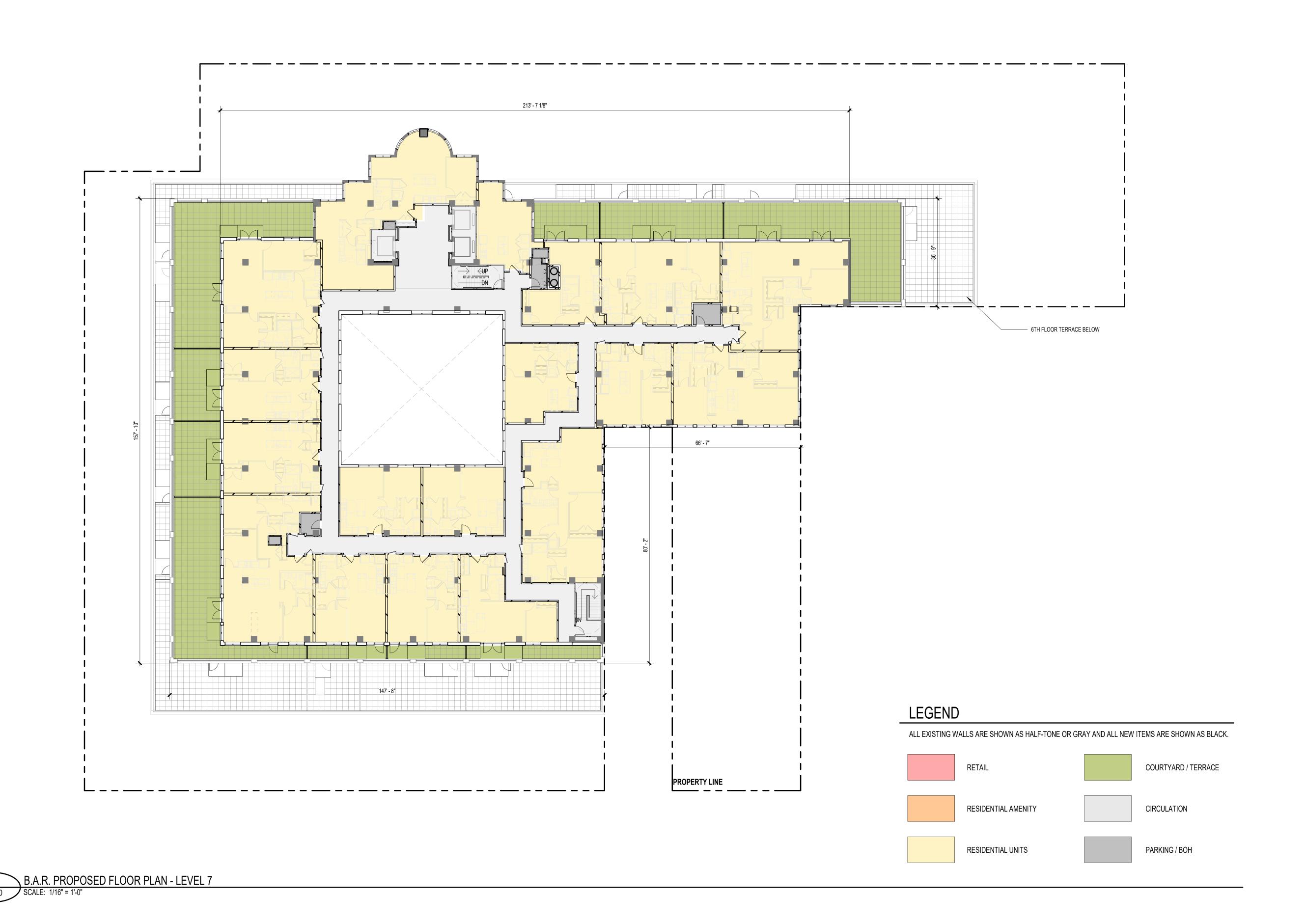
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Alexandria, VA 22314

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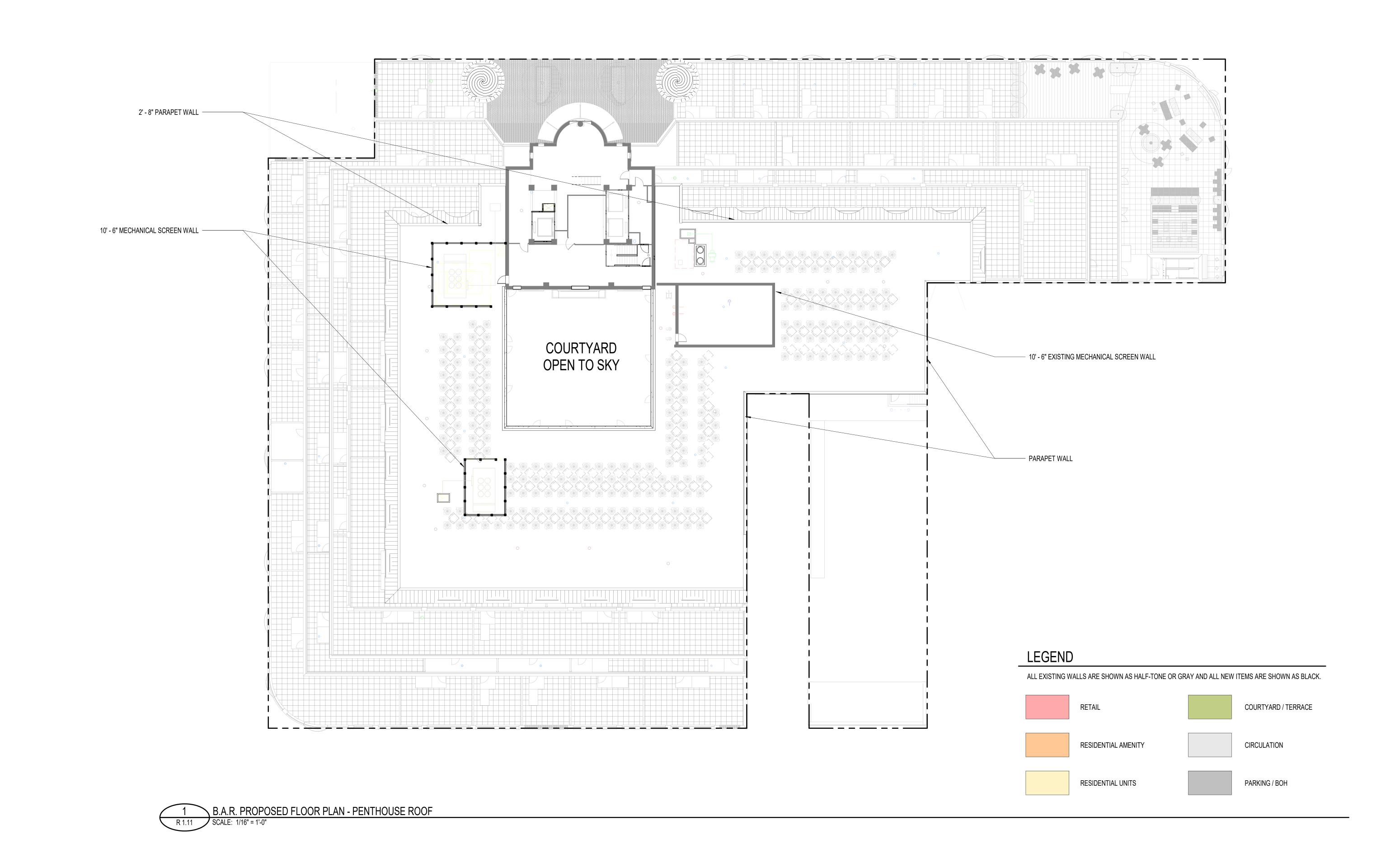
PROJECT N° 20220264



PROJECT N° 20220264 01/20/23

1101 KING
110
Alexandr

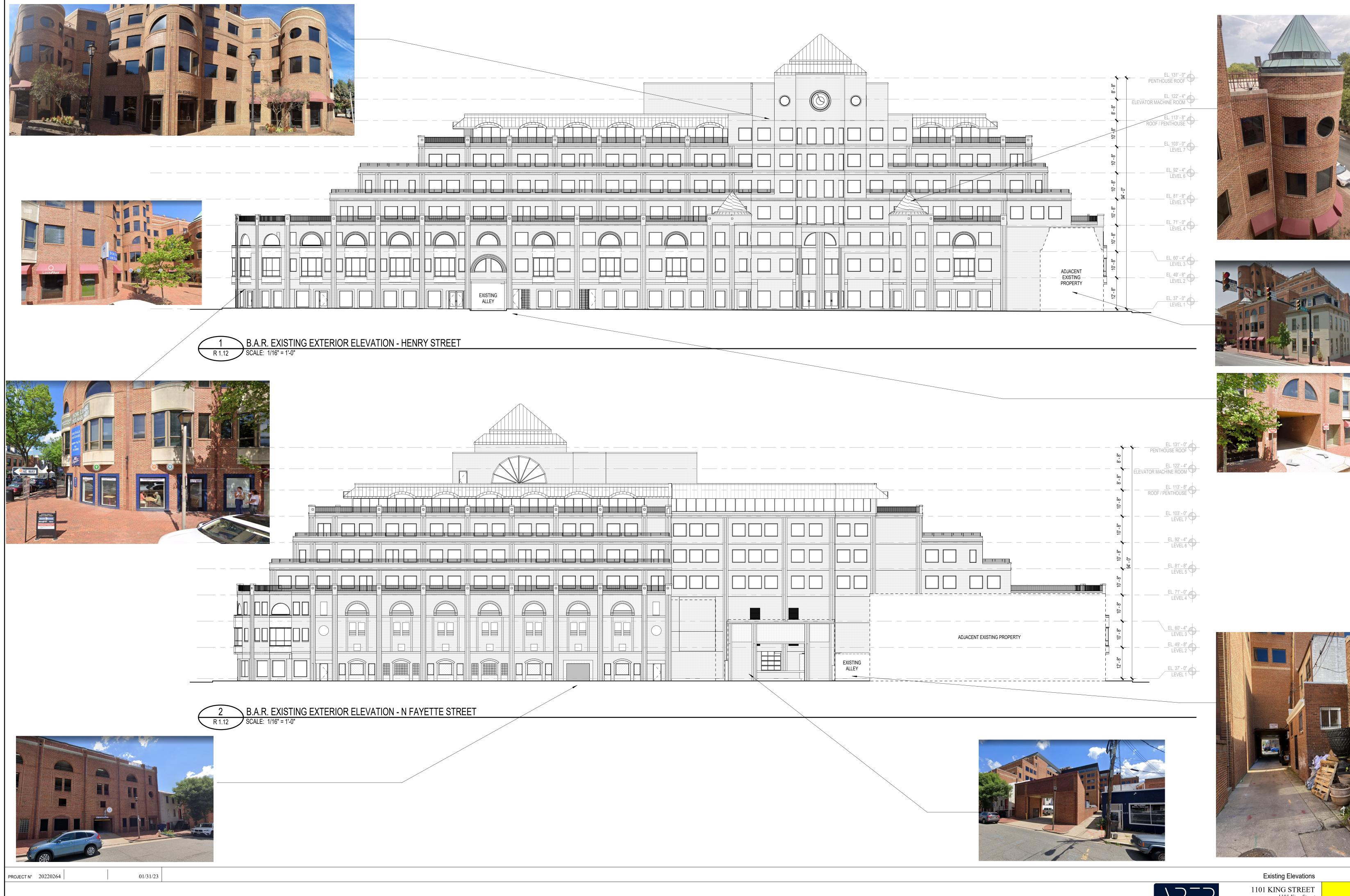
Proposed Floor Plan - Level 7



Proposed Roof Plan

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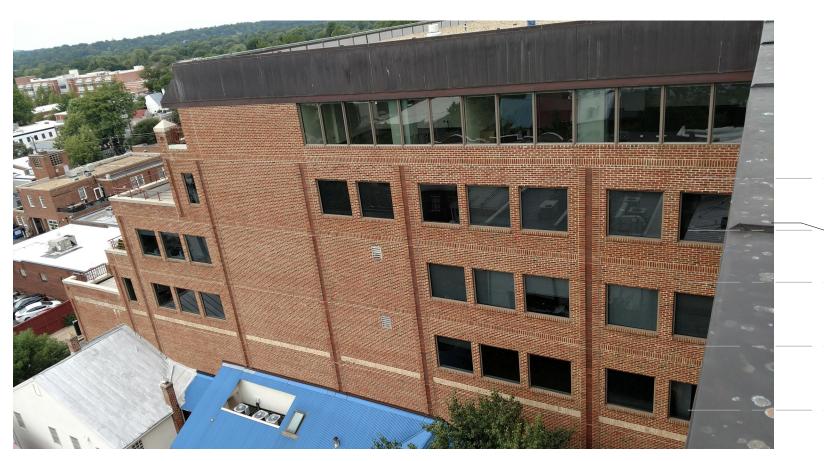


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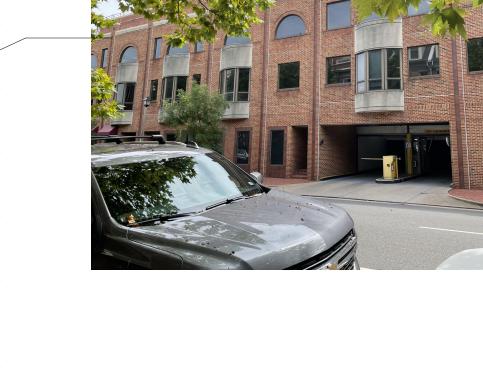












B.A.R. EXISTING EXTERIOR ELEVATION - CAMERON STREET

SCALE: 1/16" = 1'-0"

PROJECT N° 20220264 0

01/31/23

AREP

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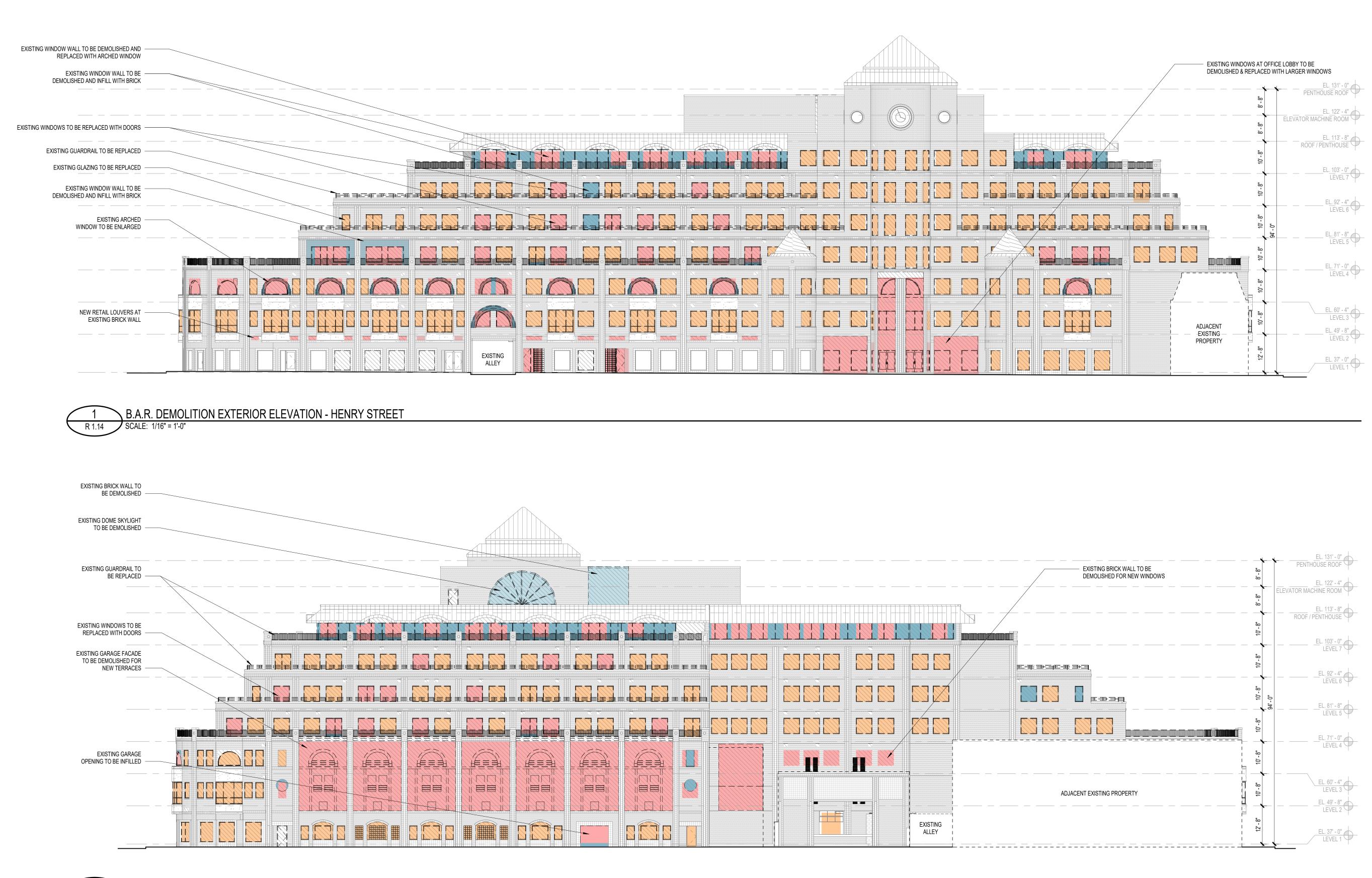
Existing Elevations

1101 KING STREET

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B.A.R. DEMOLITION EXTERIOR ELEVATION - N FAYETTE STREET

R 1.14 SCALE: 1/16" = 1'-0"

EXISTING WINDOW / STOREFRONT TO BE REMOVED AND REPLACED



REMOVE OPENING / WALL FOR NEW EXPANDED OPENING



INFILL EXISTING OPENING

PROJECT N° 20220264 01/31/23

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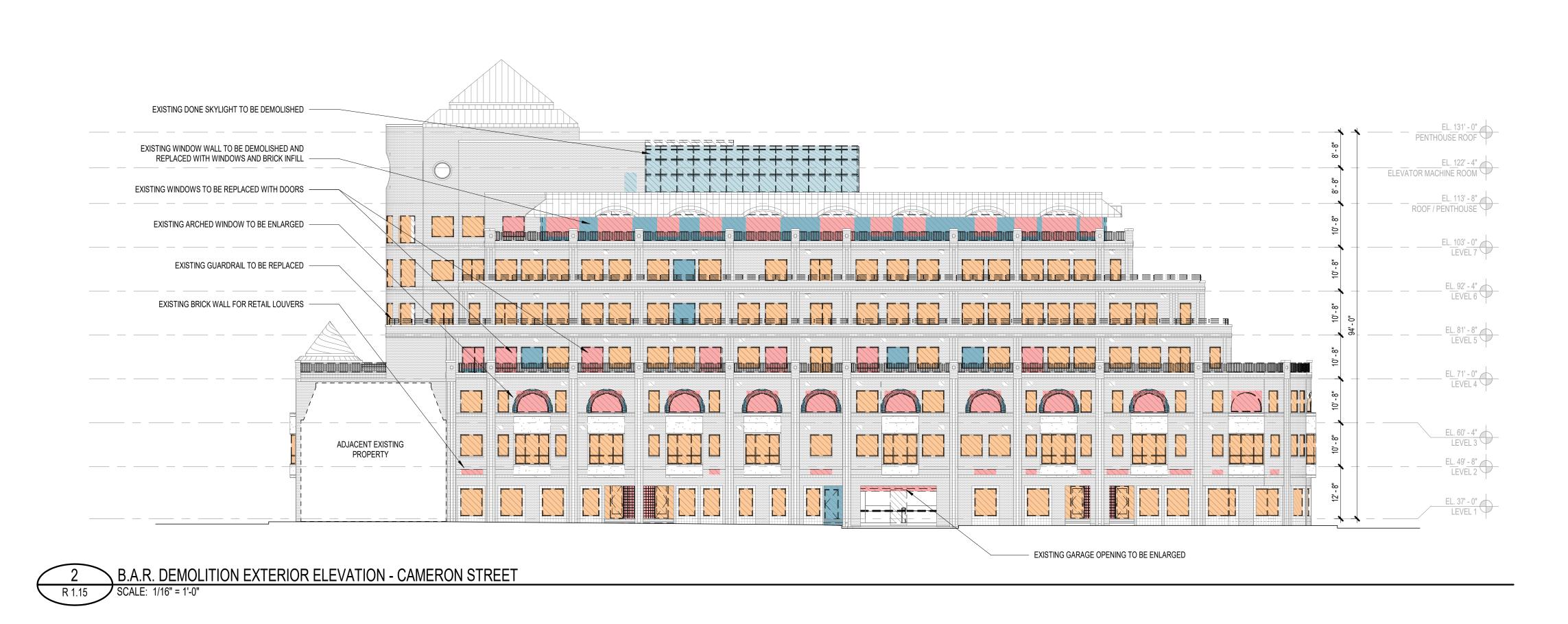
1101 KING STREET
1101 King Street
Alexandria, VA 22314

Demolition Elevations









EXISTING WINDOW / STOREFRONT TO BE REMOVED AND REPLACED

REMOVE OPENING / WALL FOR NEW EXPANDED OPENING

INFILL EXISTING OPENING

PROJECT N° 20220264 01/31/23

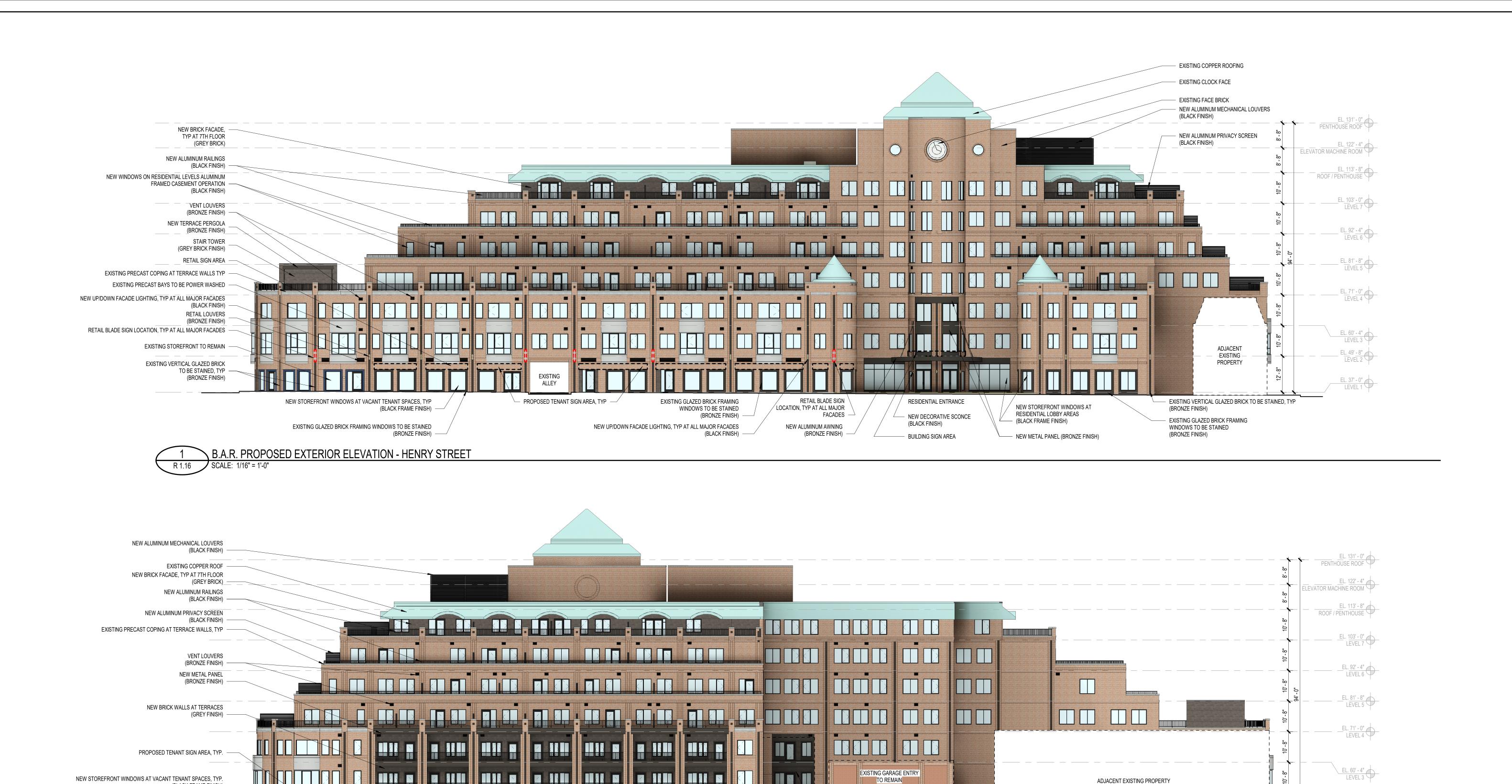
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1101 KING STREET
1101 King Street
Alexandria, VA 22314

Demolition Elevations





- NEW BRICK STAINED

(BRONZE FINISH)

WINDOWS TO BE STAINED

(BRONZE FINISH)

- EXISTING GLAZED BRICK OVER

DOOR TO BE STAINED

(BRONZE FINISH)

B.A.R. PROPOSED EXTERIOR ELEVATION - N FAYETTE STREET SCALE: 1/16" = 1'-0"

NEW DECORATIVE METAL SCREEN

(BLACK FINISH)

LEGENDS

EXISTING ALLEY

NEW BRICK WALLS AT TERRACES

(GREY FINISH)

r-----L------PROPOSED SIGN AREA

AND LOCATIONS

PROPOSED BLADE SIGN

AREA AND LOCATION

PROPOSED EXTERIOR LIGHTING

AREA AND LOCATION

PROJECT N° 20220264

01/31/23

(BLACK FRAME FINISH)

(BRONZE FINISH) -

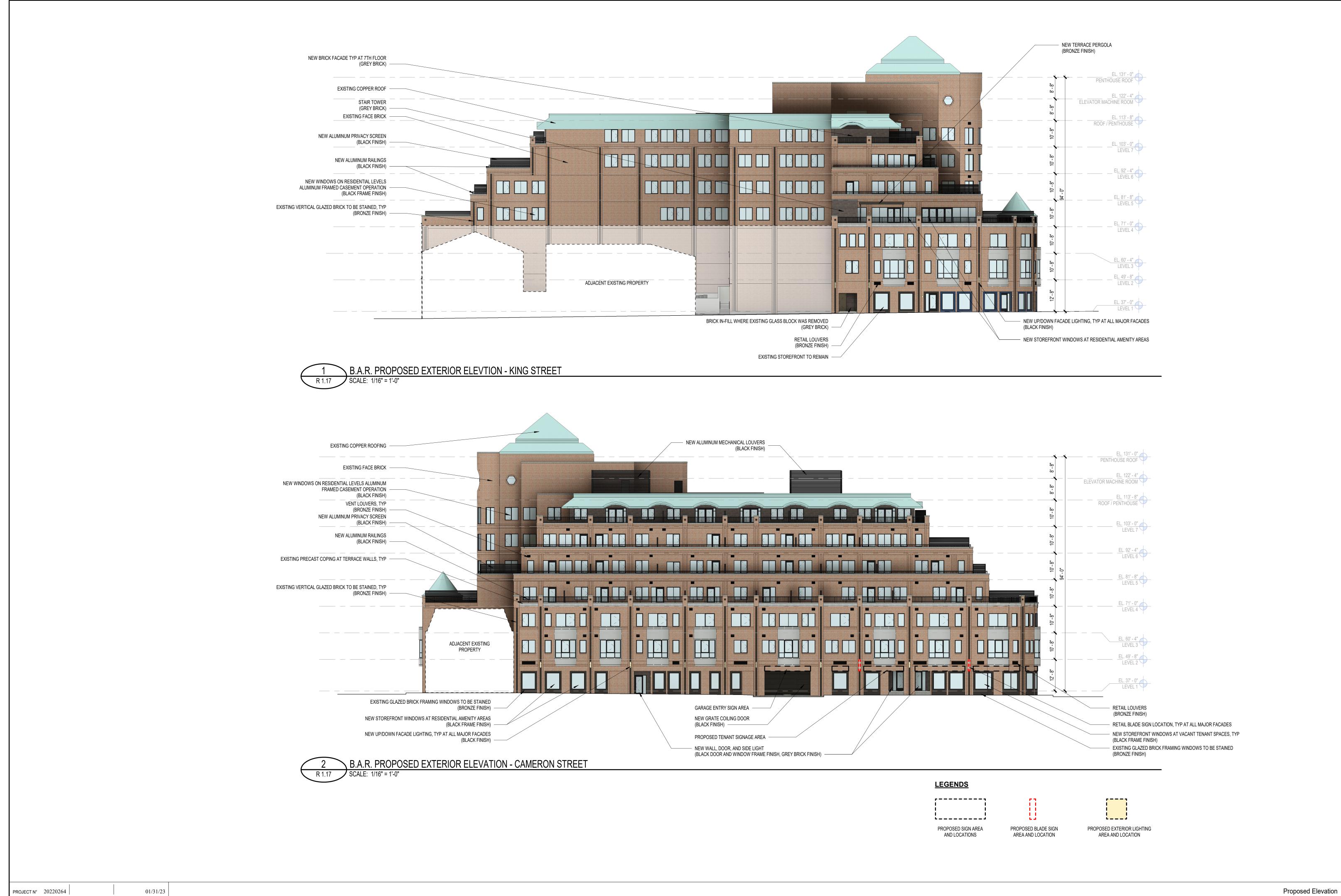
EXISTING GLAZED BRICK FRAMING WINDOWS TO BE STAINED

American Real Estate Partners

EL. 49' - 8" LEVEL 2

Proposed Elevation 1101 KING STREET 1101 King Street Alexandria, VA 22314

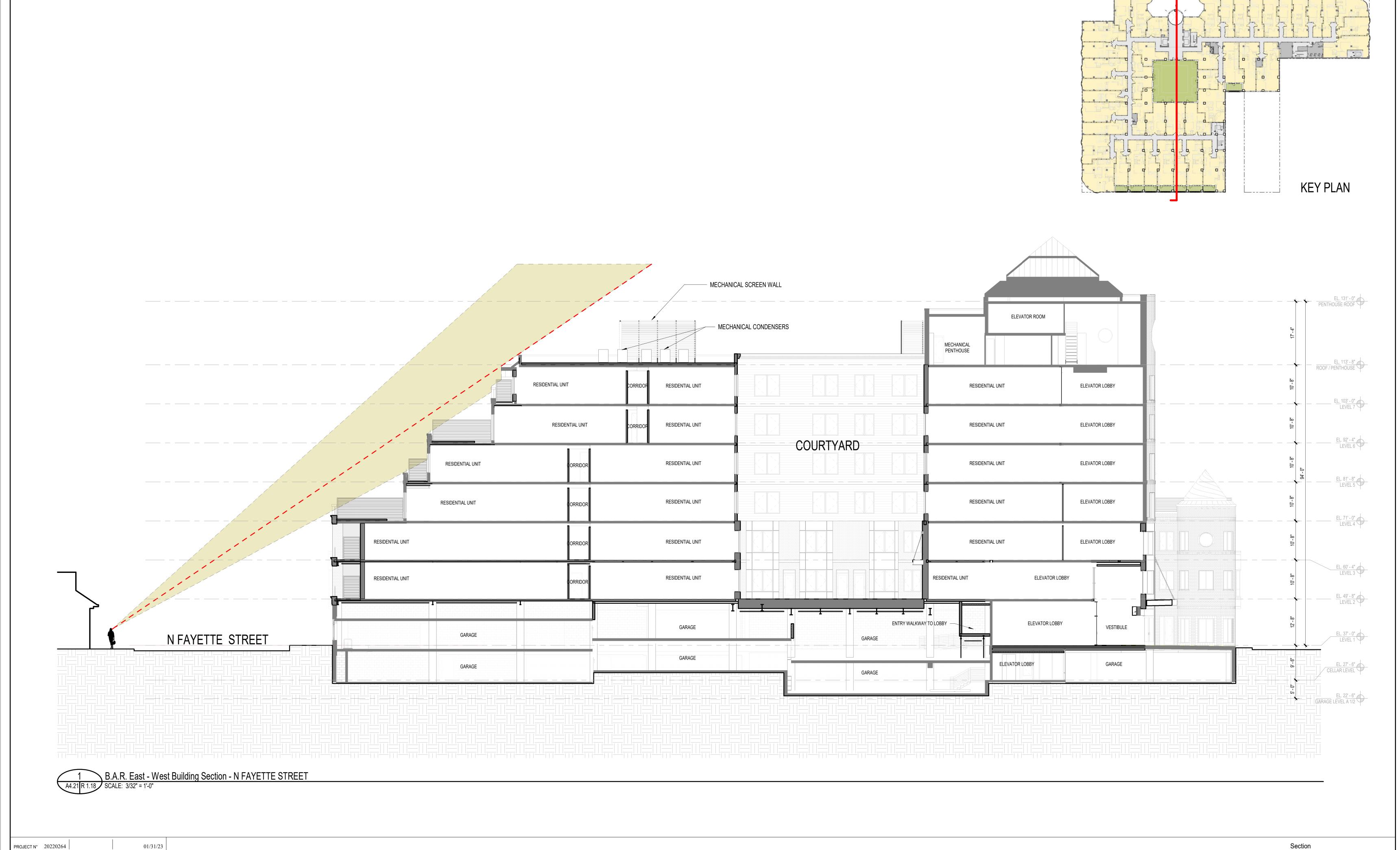
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1101 KING STREET 1101 King Street Alexandria, VA 22314

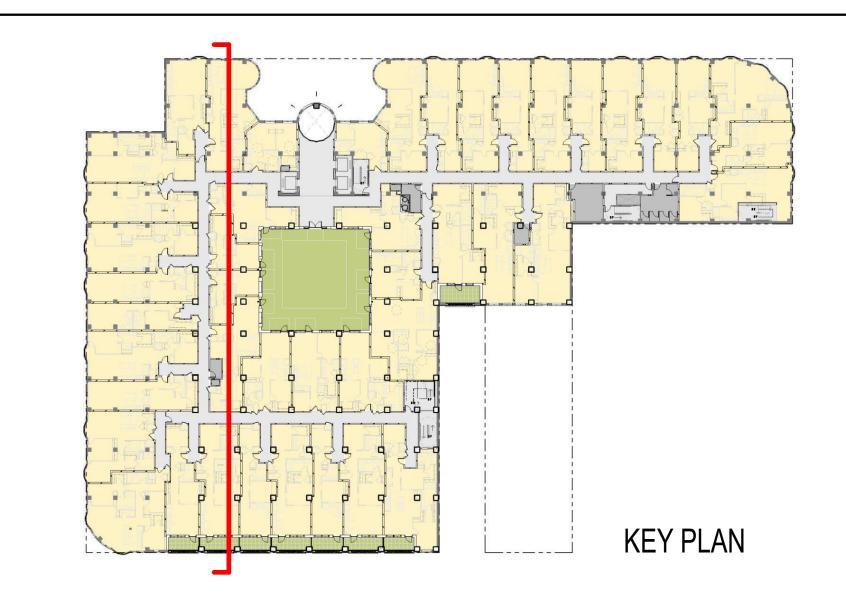
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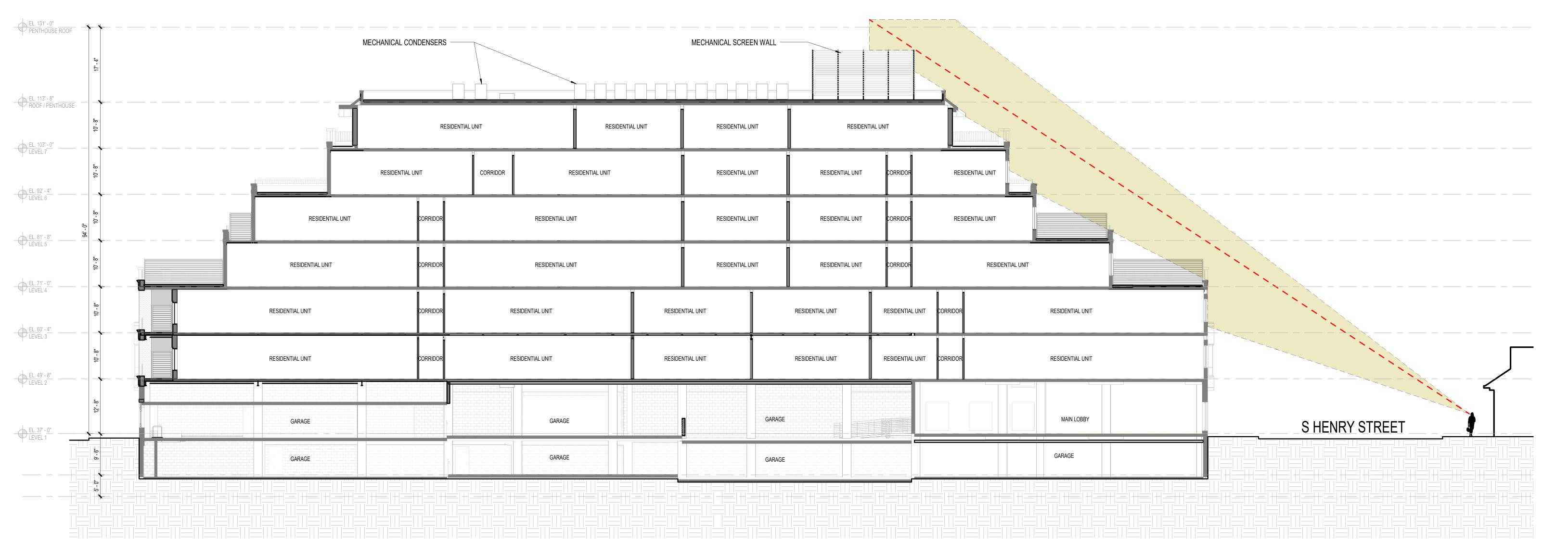


AREP

1101 KING STREET 1101 King Street Alexandria, VA 22314

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B.A.R. East - West Building Section - S HENRY STREET

SCALE: 3/32" = 1'-0"

PROJECT N° 20220264

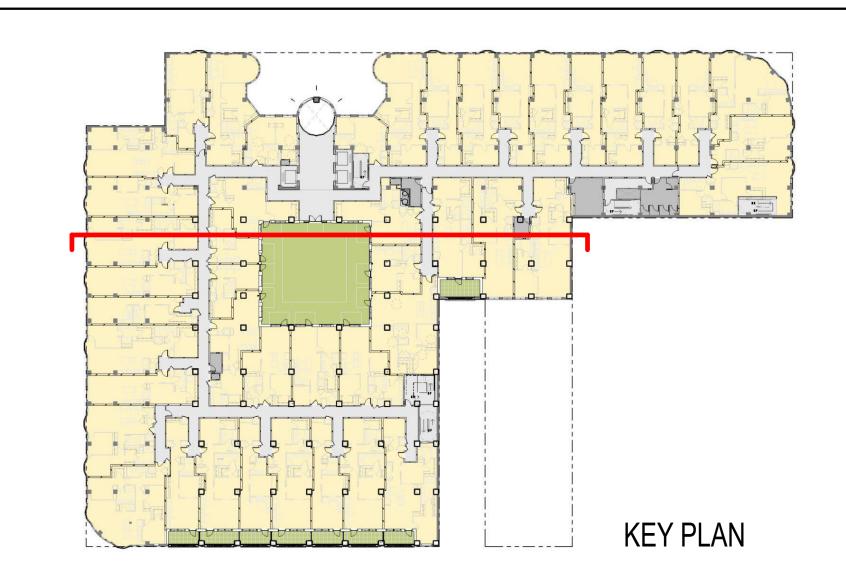
01/31/23

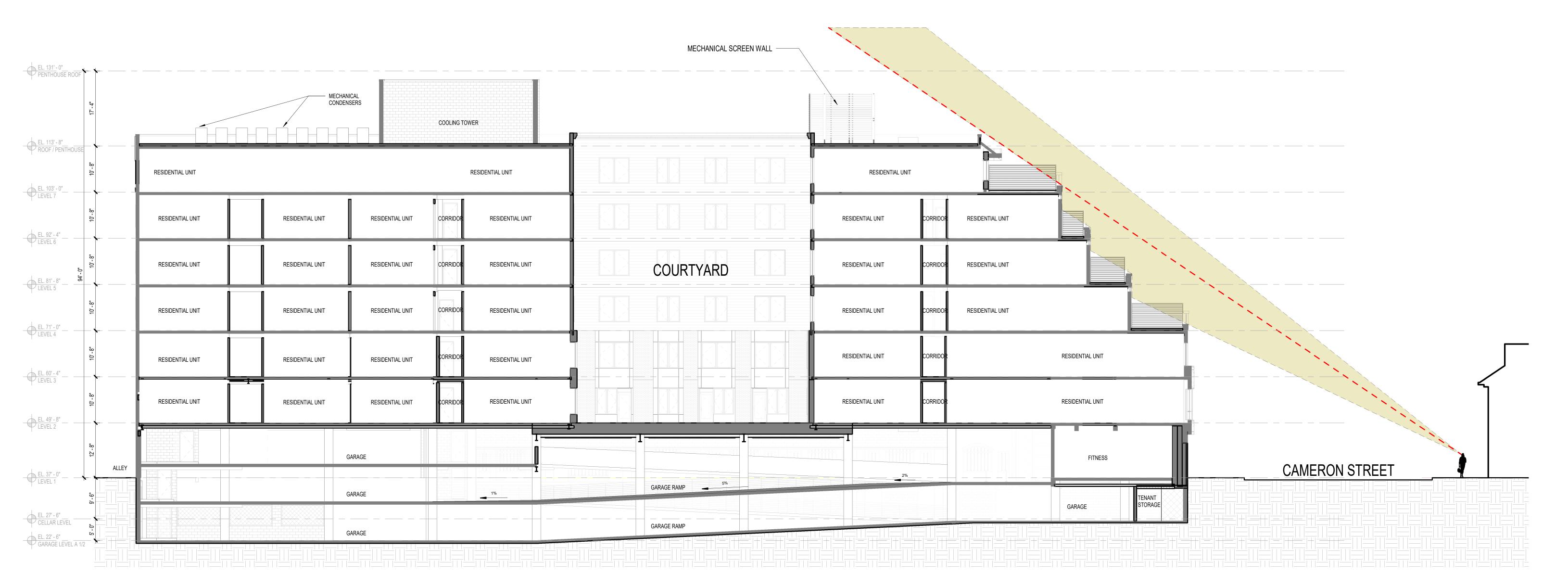
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Section







B.A.R. North - South Building Section

PROJECT N° 20220264

01/31/23

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Section 1101 KING STREET 1101 King Street Alexandria, VA 22314



DOORS AND WINDOWS

1101 KING STREET

Fixed Thermal Aluminum Window

AW-PG90-FW

IMAGE FOR REFERENCE ONLY, WINDOWS PROPOSED FOR 1101 KING STREET WILL NOT BE DIVIDED LITE

PRODUCT FEATURES

Frame depth 3-1/4"

Typical wall thickness .080"

Thermal break design Ribbed polyamide strut

Standard glass thickness

1'

Ext./Int. glazing material Santoprene/Santoprene

U Value .297



The Energsave Fixed Window System

The Energsave Fixed Window system has been designed with an innovative frame to reduce heat transfer and increase energy efficiency. Various Muntin options are available to accommodate different architectural styles and to create a unique appearance for the building. Multiple units can be assembled into one Master frame at the manufacturing facility along with an optional flange design to make installation in the field easier and less costly.



G241 AW-PG90-FW

Fixed Thermal Aluminum Window



BENEFITS

ARCHITECT

Energy Savings

- U Value of .297 below the .35 national standards
- Narrow sightlines help maximize daylighting

Third Party Certifications

- AAMA certified window for performance
- IGCC certified insulating glass for long life

Design Flexibility

• Unique frame design allows for multiple selection of glass types to meet Low U values

Finish and Color Choices

- Exterior and interior colors can be different
- Standard or anodize paint colors

BUILDING OWNER

Occupant Comfort

- Maximum daylighting provides winter warmth
- Airtightness reduces winter and summer drafts

Building Security

• Internal silicone heel bead and interior glazing beads resist exterior vandalism or access

INSTALLER

Frame Choices

- Continuous head/sill/jamb eliminate mullions
- Flange designs can eliminate field trimming

Field Labor Reductions

- Easy-to-remove glass film keeps glass clean
- Dry exterior gaskets ensure interior reglazing

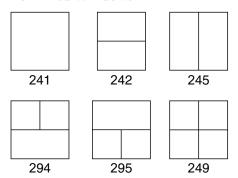


CERTIFICATION	G241
AAMA standard/specification	A440-08
Minimum test size	60" x 99"
Air infiltration rate @6.24 psf	<0.1 cfm/sf
Water test pressure	15 psf
Structural load test pressure	135 psf
* U Value	.297

*Test glass – 1/4" soft Low E x Argon x 1/4

TYPICAL CONFIGURATIONS

For Fixed Windows





Project Out/Awning Thermal Aluminum Window AW-PG100-AP

PRODUCT FEATURES

Frame depth 3-1/4"

Typical wall thickness .080"

Thermal break design
Polyamide strut

Standard glass thickness

Ext./Int. glazing material Santoprene/Santoprene

U Value .363



Peerless Project Out Series

Peerless has developed the cutting edge Energsave Aluminum framed windows and doors, which provide all of the advantage of Aluminum products while increasing the energy efficiency. The Energsave products reduce heat flow and air leakage in the overall design which includes — the Framing System, Glass System and Spacer system. The G200 series has been designed for energy efficiency, ease of operation and building security.



G201 AW-PG100-AP

Project Out Awning Thermal Aluminum Window

ENER SAVE

BENEFITS

ARCHITECT

Energy Savings

- Unique .363 U Value for an AW project out window
- Less than many aluminum thermal project out windows

Third Party Certifications

- AAMA certified window for performance
- IGCC certified insulating glass for long life

Design Flexibility

 Unique frame design allows for multiple selection of glass types to meet low U values

Finish and Color Choices

- Exterior and interior colors can be different
- Standard or anodize paint colors

BUILDING OWNER

Building Security

- One handle engages all vent perimeter locks
- Optional key-operated handle equals no opening

Low Maintenance

- Vent hardware easy to adjust, if necessary
- Durable metal handles and hinges for long life

INSTALLER

Frame Choices

- Continuous head/sill/jamb eliminate mullions
- Flange designs can eliminate field trimming

Field Labor Reductions

- Easy-to-remove glass film keeps glass clean
- Dry exterior gaskets ensure interior reglazing

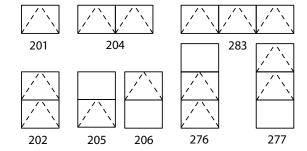


CERTIFICATION	G201
AAMA standard/specification	A440-08
Minimum test size	60" x 36"
Air infiltration rate @6.24 psf	<0.1 cfm/sf
Water test pressure	15 psf
Structural load test pressure	150 psf
*U Value	.363

^{*}Test glass – 1/4" soft Low E x Argon x 1/4"

TYPICAL CONFIGURATIONS

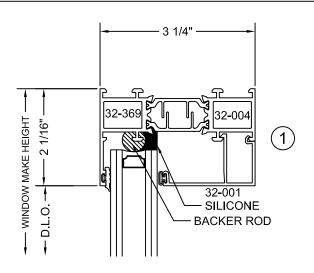
For Project Out Windows

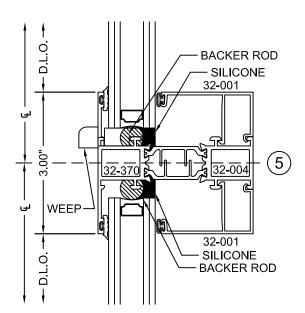


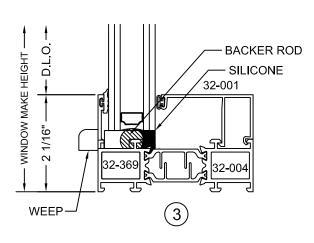


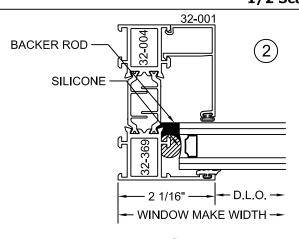


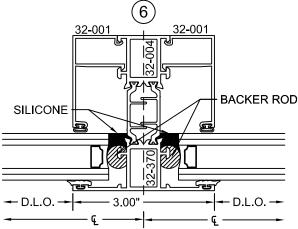
ENERGSAVE Fixed Details G200 Series Dry Glaze Window 3 ½" Frame Depth 1/2 Scale 8.5x11

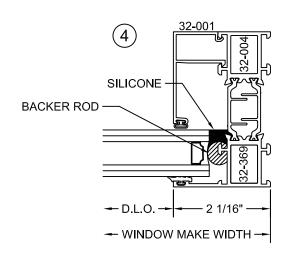


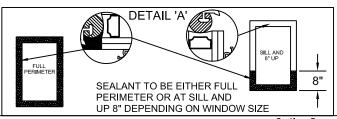












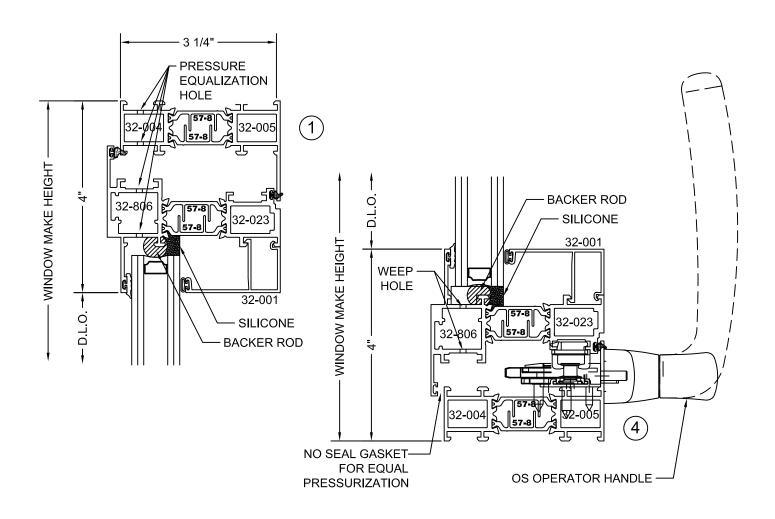
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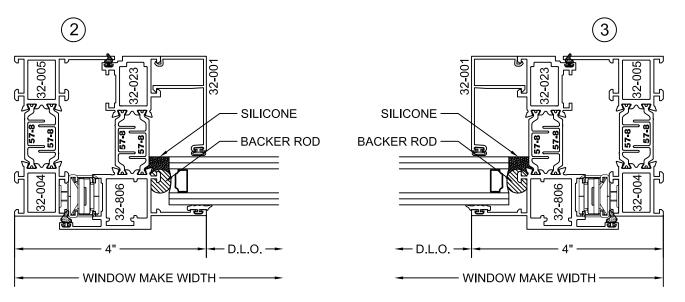
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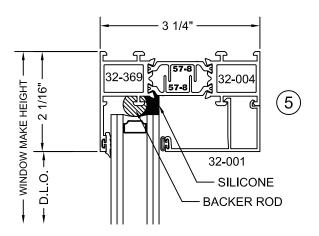
Updated: 04/10/2018

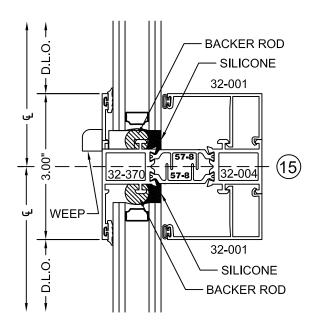
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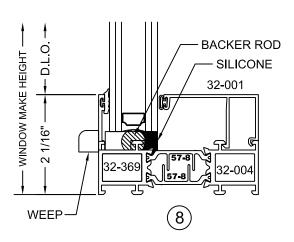


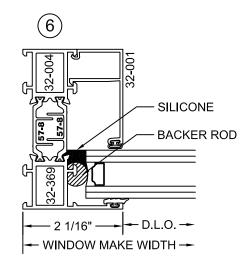


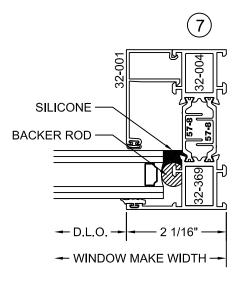




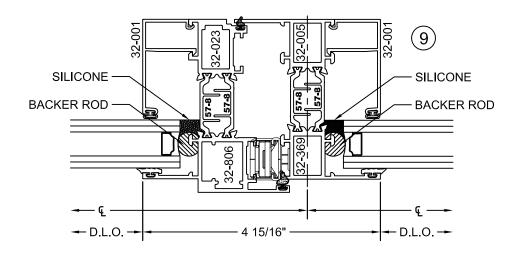


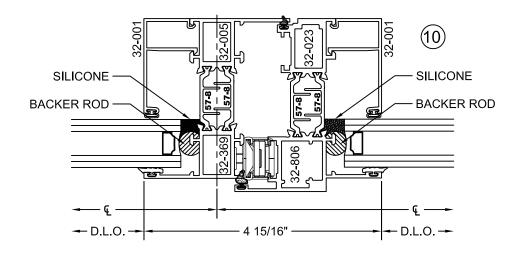


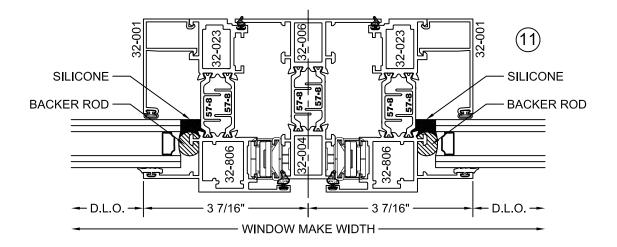








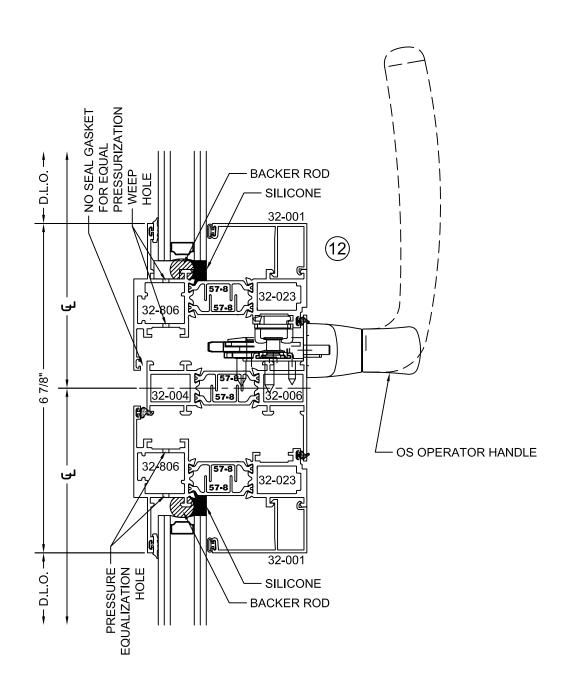




Section: PO Page: 6 of 8

Updated: 10/18/2018

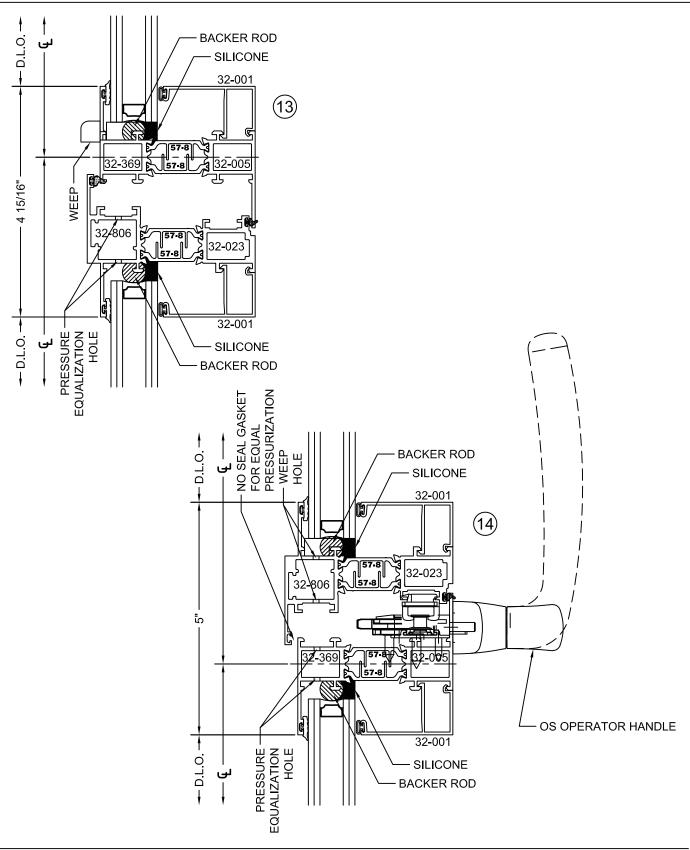




Updated: 10/18/2018

1/2 Scale 8.5x11





Fixed Thermal Aluminum Window

AW-PG70-FW

PRODUCT FEATURES

Frame depth 4-1/4"

Typical wall thickness .080"

Thermal break design Tubular polyamide strut

Standard glass thickness

1 "

Ext./Int. glazing material Santoprene/Santoprene

U Value .143



Designed For Energy Efficiency

The G500 Energsave Aluminum Architectural rated series achieves a low U value by utilizing its technology of lower heat flow and reduced air leakage—a Peerless signature of design. The series incorporates aluminum bars placed within the thermal break to serve as an isolation piece to slow heat flow, while low-E foil is used on each side of the thermal break to reflect heat back out. Neoprene foam is placed above and below the thermal break to help absorb and isolate cold air transfer. Low-E Coating is used on the exterior of both lites of glass to additionally reduce heat exchange.





G541 AW-PG70-FW

Fixed Thermal Aluminum Window

GREEN PRODUCT ENER SAVE

BENEFITS

ARCHITECT

Energy Savings

- Unequaled .143 U Value for an AW fixed window
- U Value far below .350 national standard

Third Party Certifications

- AAMA certified window for performance
- IGCC certified insulating glass for long life

Design Flexibility

 Unique frame design allows for multiple selection of glass types to meet low U values

Finish and Color Choices

- Exterior and interior colors can be different
- Standard or anodize paint colors

BUILDING OWNER

Building Security

• Internal silicone heel bead and interior glazing beads resist exterior vandalism or access

Occupant Comfort

- Maximum daylighting provides winter warmth
- Airtightness reduces winter and summer drafts

INSTALLER

Frame Choices

- Continuous head/sill/jamb eliminate mullions
- Flange designs can eliminate field trimming

Field Labor Reductions

- Easy-to-remove glass film keeps glass clean
- Dry exterior gaskets ensure interior reglazing



CERTIFICATION	G541
AAMA standard/specification	A440-08
Minimum test size	60" x 99"
Air infiltration rate @6.24 psf	<0.1 cfm/sf
Water test pressure	15psf
Structural load test pressure	105 psf
*U Value	.143

*Test glass – Soft Low E –Argon – soft Low E –Argon – soft Low E

TYPICAL CONFIGURATIONS

For Fixed Windows

541	542	545
594	595	549

Energy Innovation from the Heartland of America



itectural Windows and Doors, 2403 S. Main, Fort Scott, KS 66701 Phone: 620-223-4610 • www.Peerless-USA.com

Project Out/Awning Thermal Aluminum Window AW-PG100-AP

PRODUCT FEATURES

Frame depth 4-1/4"

Typical wall thickness .080"

Thermal break design Tubular polyamide strut

Standard glass thickness

1 "

Ext./Int. glazing material Santoprene/Santoprene

U Value .229



Demands of The Future

The G-500 Series was designed as an energy efficient line of products to meet the demands of the future. Peerless provides innovative solutions for the architectural community and continues to advance Green initiatives. Benefits of the series for architects, facility managers, building owners and installers include —design flexibility, Green building enrichment, lower operating costs and ease of installation. This series has been designed in a variety of different configurations with each model offering superior Energy Efficiency.



G501 AW-PG100-AP

Project Out Awning Thermal Aluminum Window

GREEN PRODUCT



BENEFITS

ARCHITECT

Energy Savings

- Unequaled .229 U Value for an AW project out window
- U Value far below .350 national standard

Third Party Certifications

- AAMA certified window for performance
- IGCC certified insulating glass for long life

Design Flexibility

• Unique frame design allows for multiple selection of glass types to meet low U values

Finish and Color Choices

- Exterior and interior colors can be different
- Standard or anodize paint colors

BUILDING OWNER

Building Security

- One handle engages all vent perimeter locks
- Optional key-operated handle equals no opening

Low Maintenance

- Vent hardware easy to adjust, if necessary
- Durable metal handles and hinges for long life

INSTALLER

Frame Choices

- Continuous head/sill/jamb eliminate mullions
- Flange designs can eliminate field trimming

Field Labor Reductions

- Easy-to-remove glass film keeps glass clean
- Dry exterior gaskets ensure interior reglazing

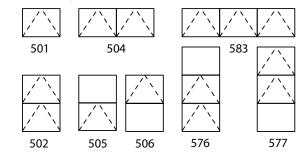


CERTIFICATION	G501
AAMA standard/specification	A440-08
Minimum test size	60" x36"
Air infiltration rate @6.24 psf	<0.1 cfm/sf
Water test pressure	15 psf
Structural load test pressure	150 psf
*U Value	.229

*Test glass – Soft Low E – Argon – soft Low E - Argon – soft Low E

TYPICAL CONFIGURATIONS

For Project Out Windows

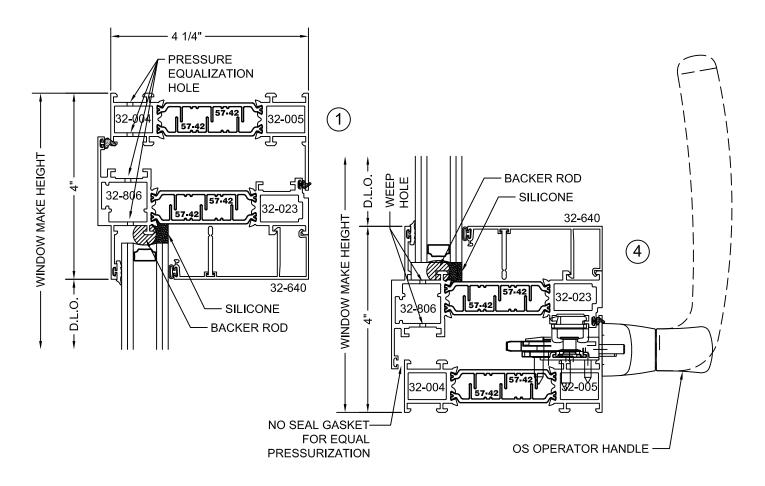


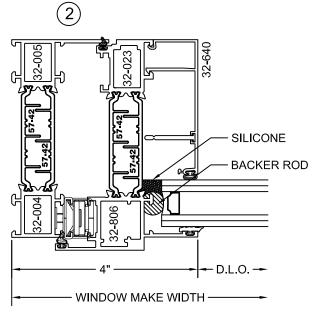


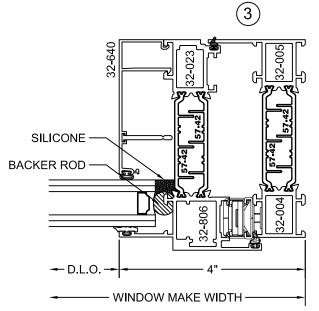


4 ½" Frame Depth 1/2 Scale 8.5x11









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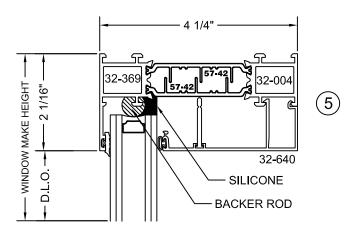
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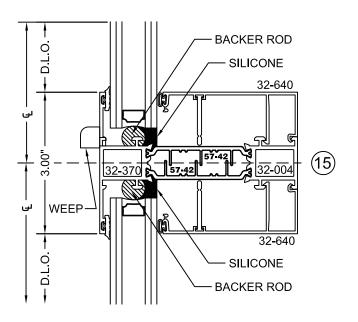
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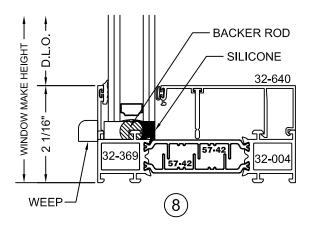


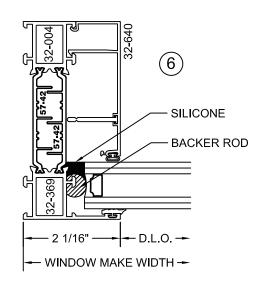
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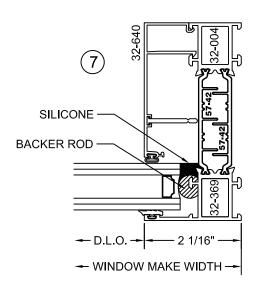










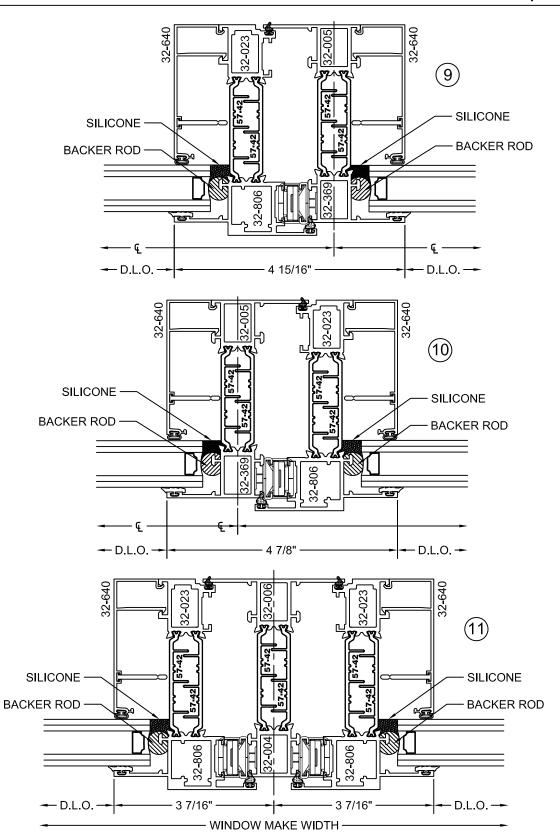


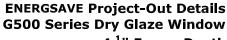
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4 ½" Frame Depth 1/2 Scale 8.5x11

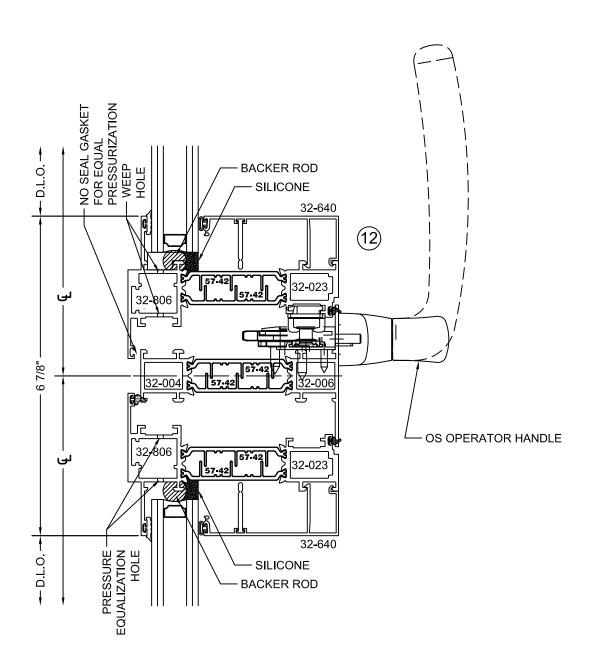






4 ½" Frame Depth 1/2 Scale 8.5x11

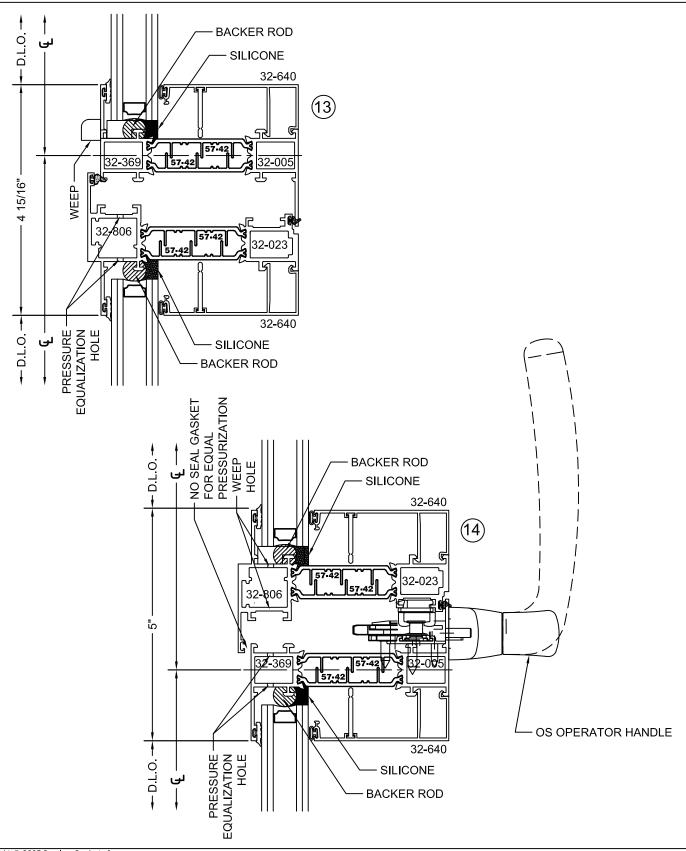






 $4\frac{1}{4}$ " Frame Depth 1/2 Scale 8.5x11





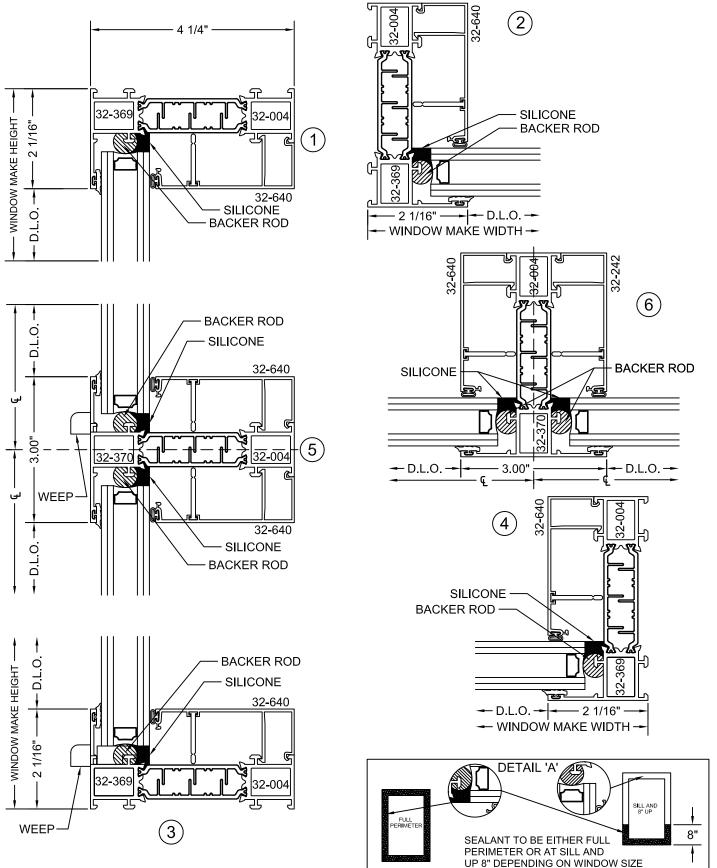
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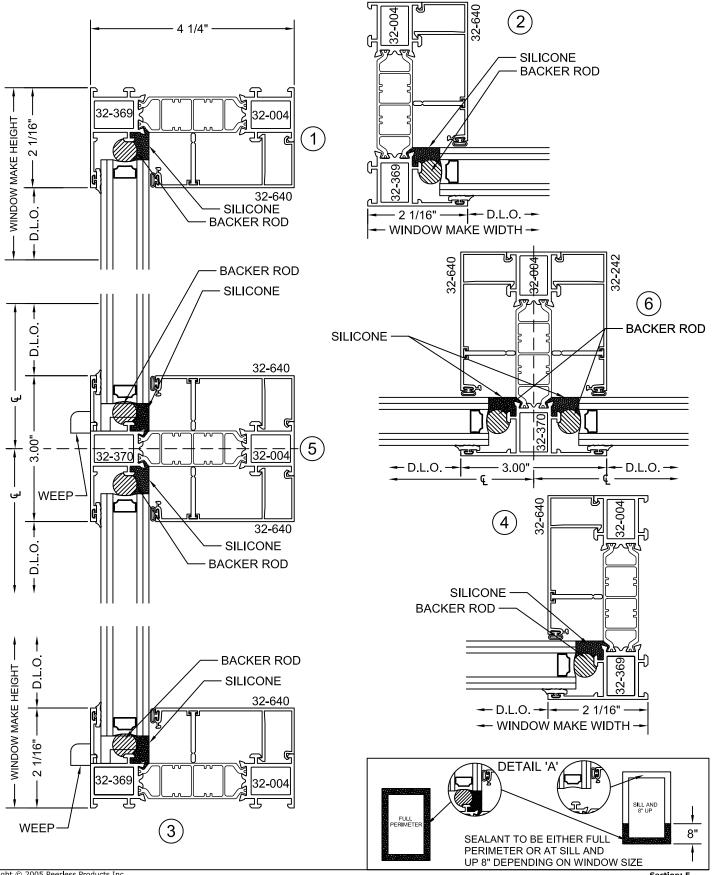
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Updated: 10/22/15

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70

Thermal Aluminum Outswing/Inswing Terrace Door AW-PG100-ATD

PRODUCT FEATURES

Frame depth 4-1/4"

Safety glazing material Tempered or laminated

Thermal break design Polyamide strut

Standard glass thickness

1"

Ext./Int. glazing material Santoprene/Santoprene

U Value 0.305



Ideal for Any Architectural Style

The Energsave GTD5 Terrace Door Series has been designed for maximum energy efficiency and flexibility. The Peerless Terrace Door offers innovative features and options that ensure — superior quality, durability and long lasting performance. The Energsave Terrace Doors can match any unique architectural style — whether you select a champagne finish for the exterior and a Hartford Green for the interior. The Choice is Yours.



Thermal Aluminum
Outswing/Inswing
GTD2-51/55 Terrace Door
Terrace Door AW-PG100-ATD

ENER SAVE French Doors Shown

BENEFITS

ARCHITECT

Triple IGU Energy Savings

- Unique .305 U Value for an AW terrace door
- Less than many aluminum terrace doors

Third Party Certifications

- AAMA certified window for performance
- IGCC certified insulating glass for long life

Design Flexibility

• Unique frame design allows for multiple selection of glass types to meet low U values

Finish and Color Choices

- Exterior and interior colors can be different
- Standard or anodize paint colors

BUILDING OWNER

Building Security

- One handle engages all panel perimeter locks
- Operational key-operated handle equals no opening

Low Maintenance

REV-11/15-ALL

- Panel hardware easy to adjust, if necessary
- Durable metal handles and hinges for long life

CERTIFICATION	GTD2-51/55
AAMA standard/specification	A440-08
Minimum test size	48" x 96"
Air infiltration rate @6.24 psf	<0.1 cfm/sf
Water test pressure	12psf
Structural load test pressure	150 psf
*U Value	0.305

*Test glass –Soft Low E –Argon – plain glass argon – hard Low E

INSTALLER

Pre-hung unit

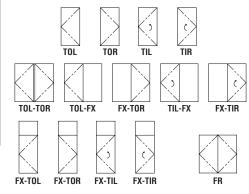
- Installs easily with factory-set panel alignment
- Reduces on-site adjustment of hardware

Field Labor Reductions

- Easy-to-remove glass film keeps glass clean
- Dry exterior gaskets ensure interior reglazing



TYPICAL CONFIGURATIONS



Energy Unnovation from the Heartland of America

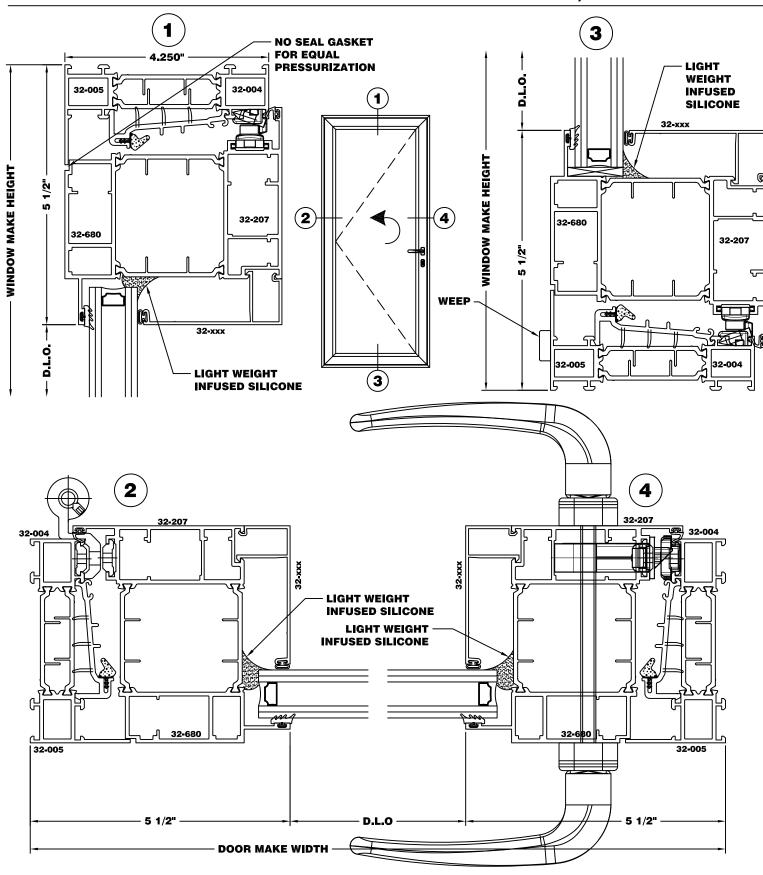


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 $4\frac{1}{4}$ " Frame Depth 1/2 Scale 8.5x11-PG 1 of 2



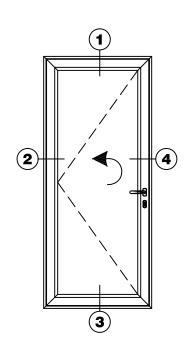


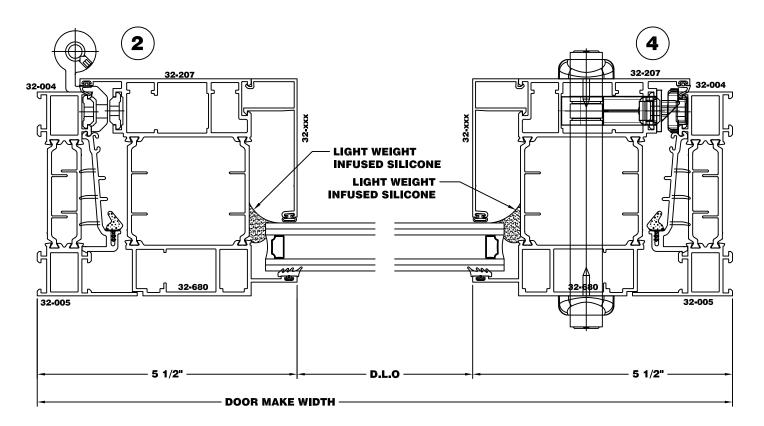
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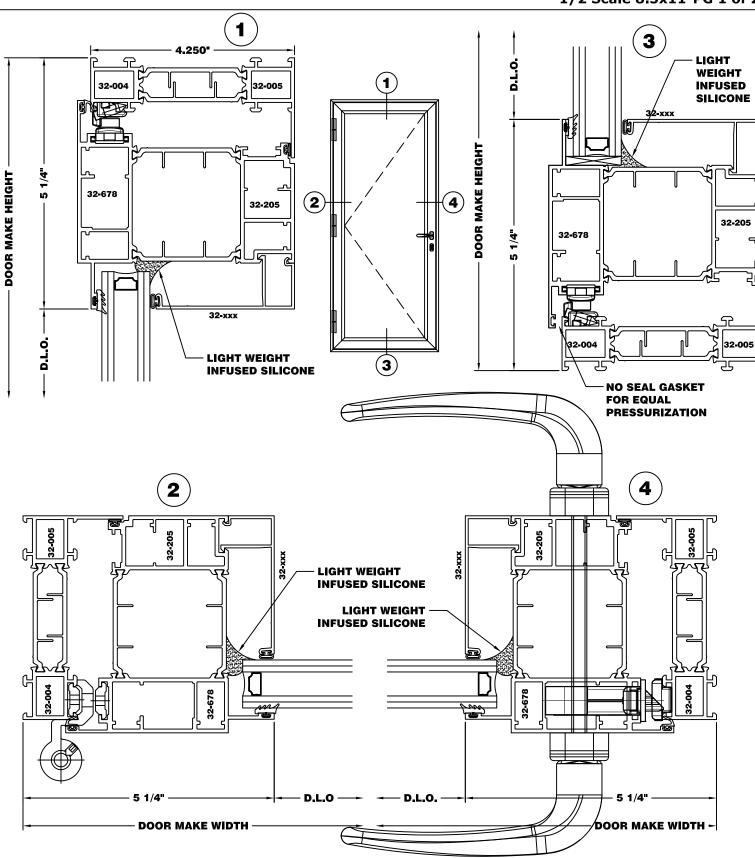




4 ¼" Frame Depth



1/2 Scale 8.5x11-PG 1 of 2

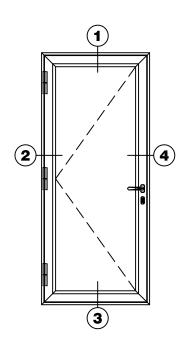


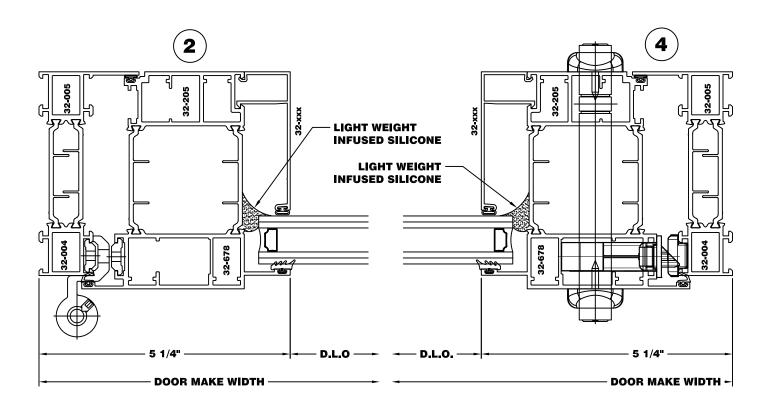
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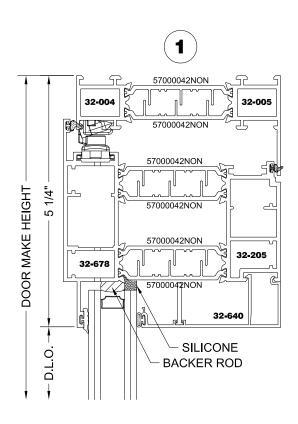
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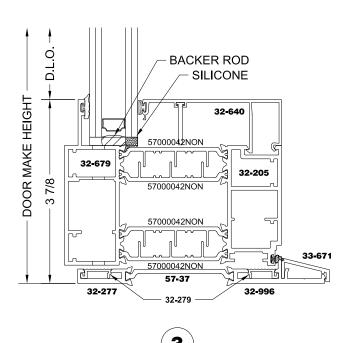


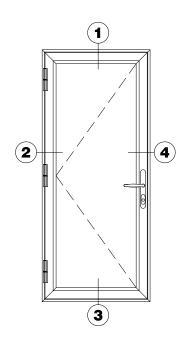


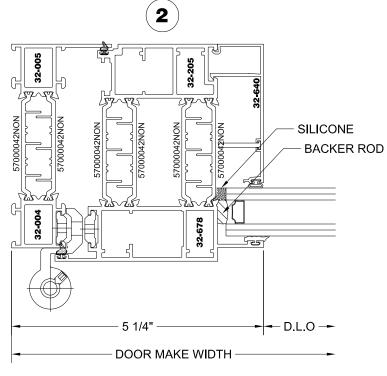












Note: Extended leg jamb frame is required at the door hinge side when using a receptor system or 3-piece mullion.

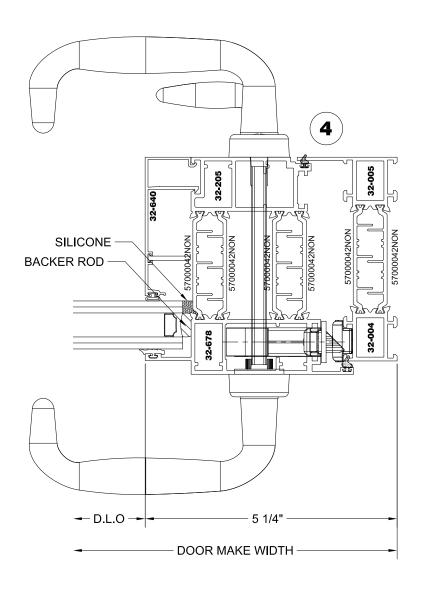
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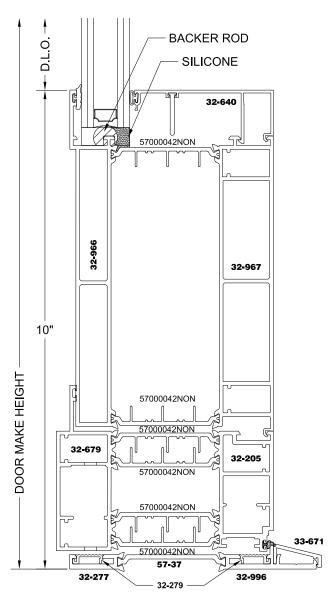
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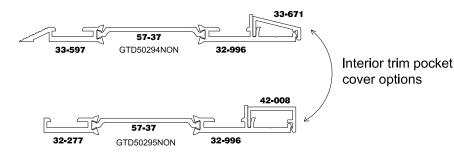


Kickplate Option



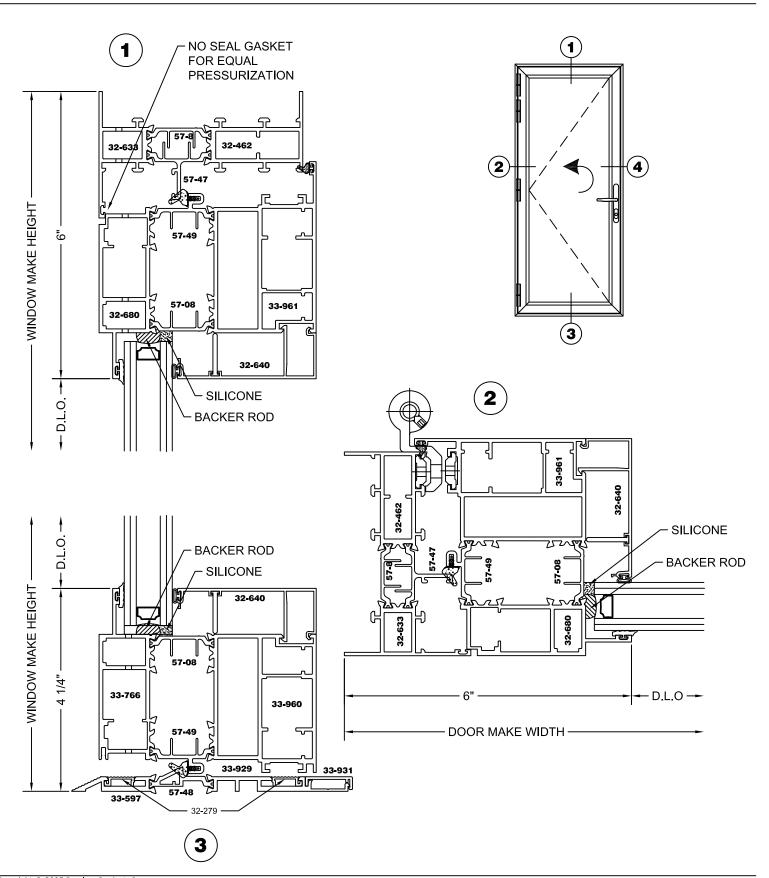


ADA Sill Options



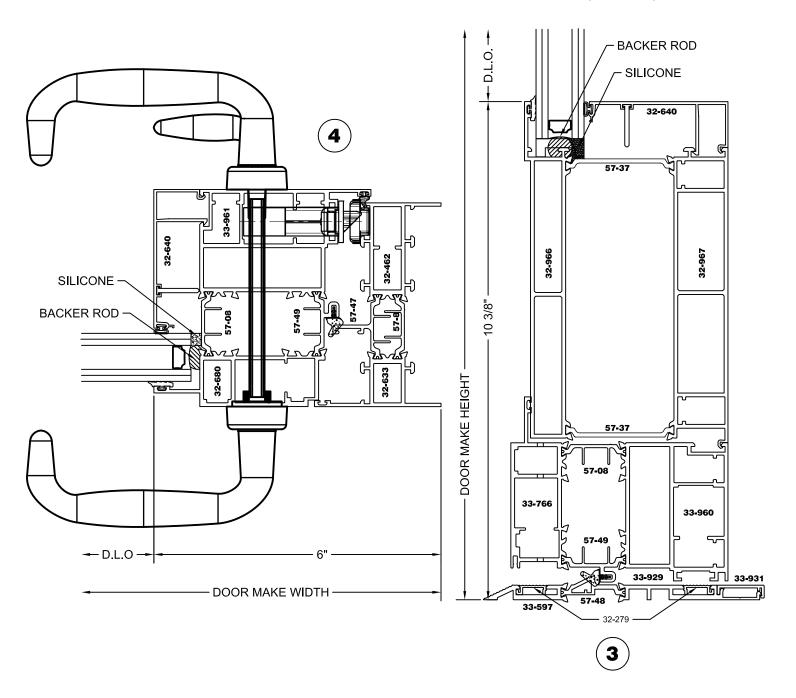
4¹/₄" Frame Depth 1/2 Scale 8.5x11





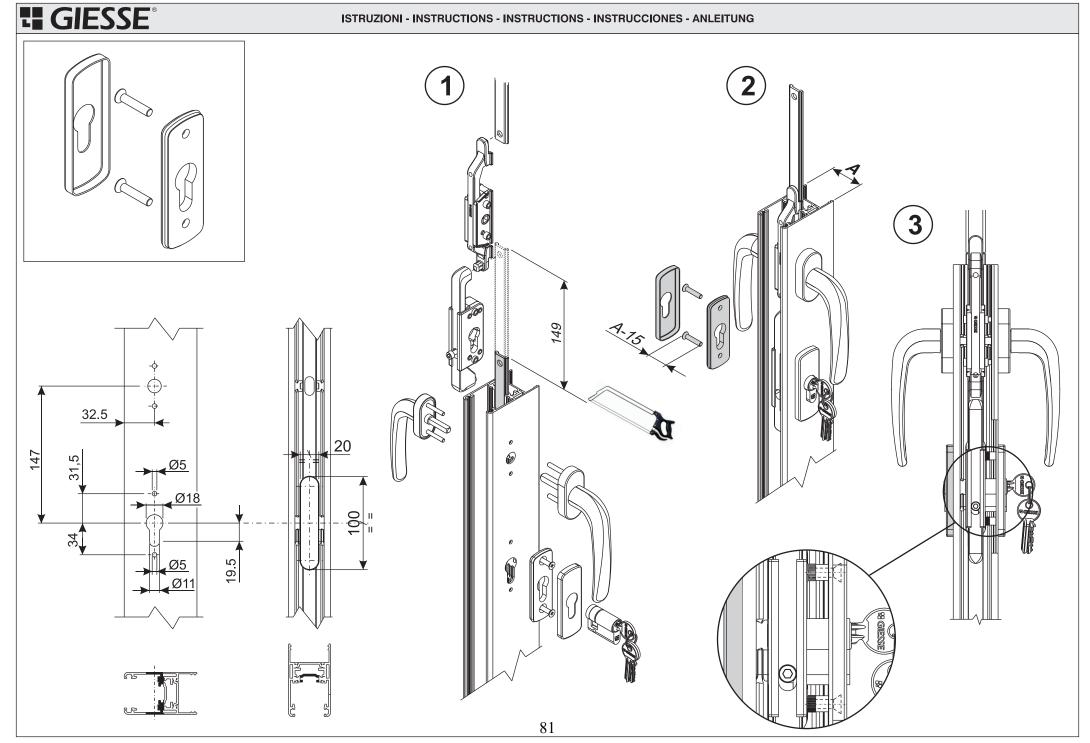


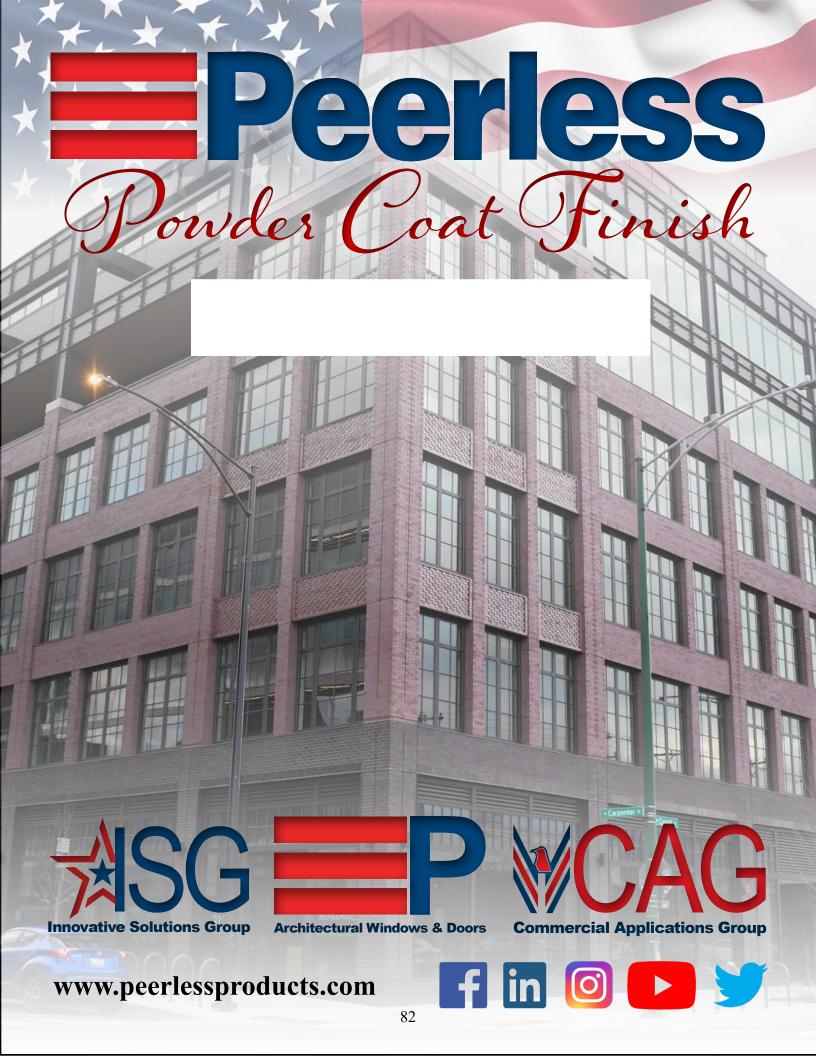
Kickplate Option



Updated: 08/22/2018



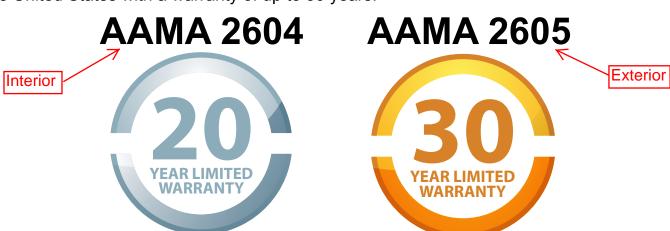




Powder Coat Warranties

Whether you select one of the colors on this card or have us custom match a specific color, you can rely on our experience and expertise to ensure that the beauty of your installation will last well into the future. At Peerless, we only use the highest quality powder coatings to keep your building looking new for years to come. Powder coated paint provides an extremely hard finish which prevents damage through the production processes, installation, and end use. Powder coatings have no harmful volatile organic compounds (VOC's) making it an environmentally friendly and safe process to paint aluminum material. The architectural industry already recognizes the superiority of powder coatings by offering LEED credits when powder finishes are used.

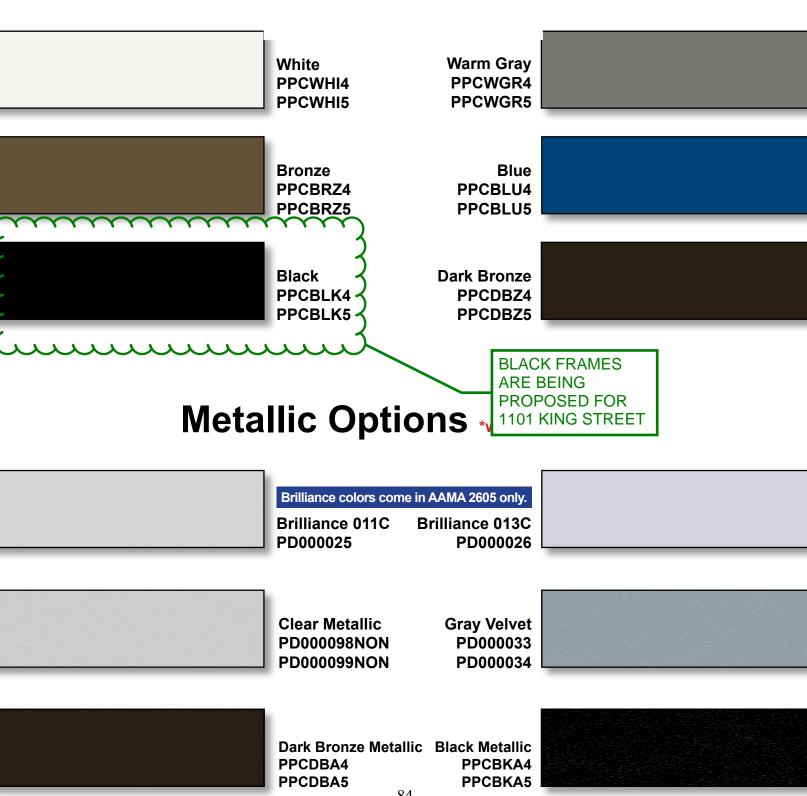
To demonstrate the confidence of our powder coated finishes, Peerless is offering a standard 20 year warranty (exluding southern and coastal climates) when using AAMA 2604 on the exterior and interior. AAMA 2605 powder coat finish can be used anywhere in the United States with a warranty of up to 30 years.



Powder Coat Characteristics and Properties					
	AAMA 2604	AAMA 2605			
Weathering Period: (45° South, South Florida)	5 years	10 years			
Allowable Color Change	<5 Delta E	<5 Delta E			
Chalking	< No. 8	Max. rating #8			
Gloss Retention	≥30%	50%			
Dry Film Thickness	1.2 mils minimum	1.96-3.14 mils			
Salt Spray Resistance (5% salt @100° F)	3,000 hours exposure	4000 hours exposure			
Humidity Resistance	3,000 hours exposure	4000 hours exposure			
Abrasion Resistance	1000 cycles >20 mg weight loss	1000 cycles 15.8 mg weight loss			
Coating Erosion	<10%	<10%			
Solvent Content	0%	0%			

Standard Colors

AAMA has a 2600 series of specifications; with the two most superior specifications being the AAMA 2605 and 2604. AAMA 2605 has exceptional resistance to harmful environmental factors and should be used on the exterior of the building when in southern and coastal climates. AAMA 2604 has superior durability and can be used on the exterior (excluding southern and coastal climates) and interior of buildings to prevent scratches, scuffs and other abrasions.

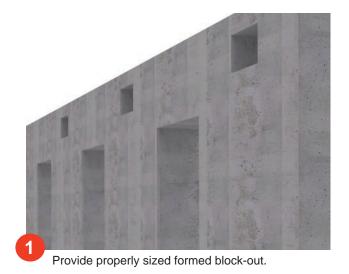


APARTMENT UNIT WALL VENTS



X Vent Box Installation: Precast

Our "F" series exhaust cavity termination box was intentionally designed for Precast. Simple and easy to install. Over 20 different ducting options available.





Provide a continuous liberal bead of sealant around rear face flange, as illustrated.

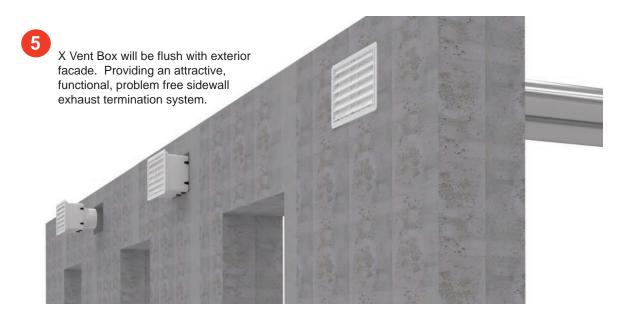
Recommended Sealant: Sikaflex®-201 US is a one-component, flexible, polyurethane-based, non-sag elastomeric sealant



Pull rear straps tought and bend over and fasten with Tapcon or equal.

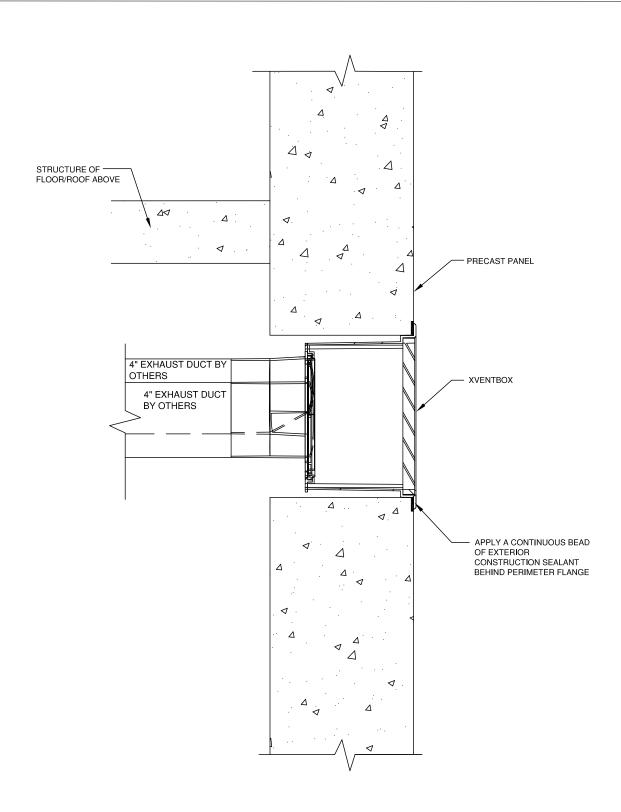


Secure straps at each corner.



PRECAST- WALL PENETRATION

XVENT BOX MODEL DHEB-44-F Series



WALL PENETRATION DETAIL

WWW.XVENTBOX.COM

866-983-6829 SALES@XVENTBOX.COM

Information provided herein is an estimate, and any specifications listed should be independently verified. Benefits described herein apply only to the extent that the product is installed properly, with the correct fit, and used for its intended purpose. This document does not constitute a promise or warranty by Red Viking Group inc that all products will perform as stated herein. Red Viking Group inc disclaims any implied warranty of merchantability. For product warranty, please see www.xventbox.com/warranty.



RETAIL LOUVERS

ARCHITECTURAL LOUVERS PS.SRL.0422

Storm Resistant Louvers - Horizontal, Vertical, and Combination

When a wind-driven rain defense is required, our Storm Resistant Louvers are resistant to wind-driven rain and winds as high as 50 mph that drive 8" of water per hour.

Advantages

- Certified to be up to 99% effective under AMCA's wind driven rain test (model specific)
- Manages water penetration, even in intake applications
- Chevron style blades allow for long spanning and larger sections with mullions
- System is sightproof
- Hidden mullion options available for continuous line appearance without compromising water performance
- Modular capabilities (model specific) for inactive areas using blank-off

Applications

- Customizable for curtain wall applications
- Integration with CENTRIA Insulated metal panels





View 3D Model



ARCHITECTURAL LOUVERS PS.SRL.0422

Storm Resistant Louvers - Horizontal, Vertical, and Combination

Finish Options



Powder Coat



& Metallic



Patterns





Custom Color

See all finish options online at c-sgroup.com.

Product Details

MODEL	LOUVER DEPTH	BLADE SPACING	BLADE ORIENTATION	
RS-2300	2" (50.8 mm)	1½" (38.1mm)		
RS-4700	4" (101.6mm)	1¾" (44.5mm)		
RS-5300	5" (127.0mm)	2¾" (69.9mm)		
RSH-5700	5" (127.0mm)	2" (50.8 mm)	Harizantal	
RS-7315	7" (177.8mm)	3%" (98.4mm)	Horizontal	
RS-7705	7" (177.8mm)	3%" (80.7mm)		
RS-8615	8" (203.2mm)	4" (101.6mm)		
RS-9615	9" (228.6mm)	4" (101.6mm)		
RS-3700	3" (76.2mm)	7/8" (22.2mm)		
RS-4600	4" (101.6mm)	3" (76.2mm)		
RS-4605	4" (101.6mm)	2" (50.8 mm)		
RS-5605	5" (127.0mm)	1" (25.4mm)	Vertical	
RSV-5700	5" (127.0mm)	2" (50.8 mm)		
RS-5800	5" (127.0mm)	1½" (38.1mm)		
RS-5900	5" (127.0mm)	1½" (38.1mm)		

Certifications/Testing

- AMCA- 500-L Certified
- AMCA-550 Listed (RS-5800 & RS-9615 only)
- Cradle to Cradle Certified[™] Silver Certificate



Warranty

- One-Year Material Warranty
- 20-Year Finish Warranty

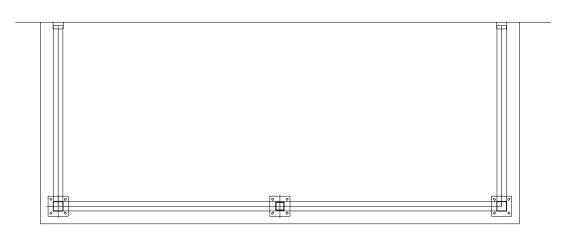
Models RS-4700 RS-5300 RSH-5700 RS-7315 RS-7705 RS-8615 RS-9615 RS-4600 RS-4605 RS-5605 RSV-5700

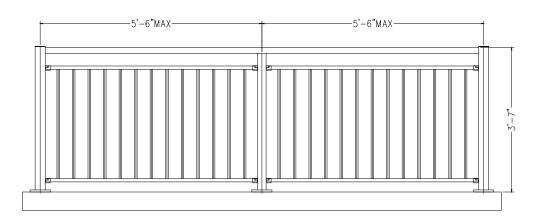


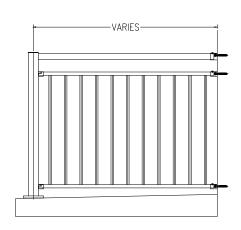
RS-5800/RS-5900

Learn More

GUARDRAIL









455 West 2nd St Waterford, PA 16441

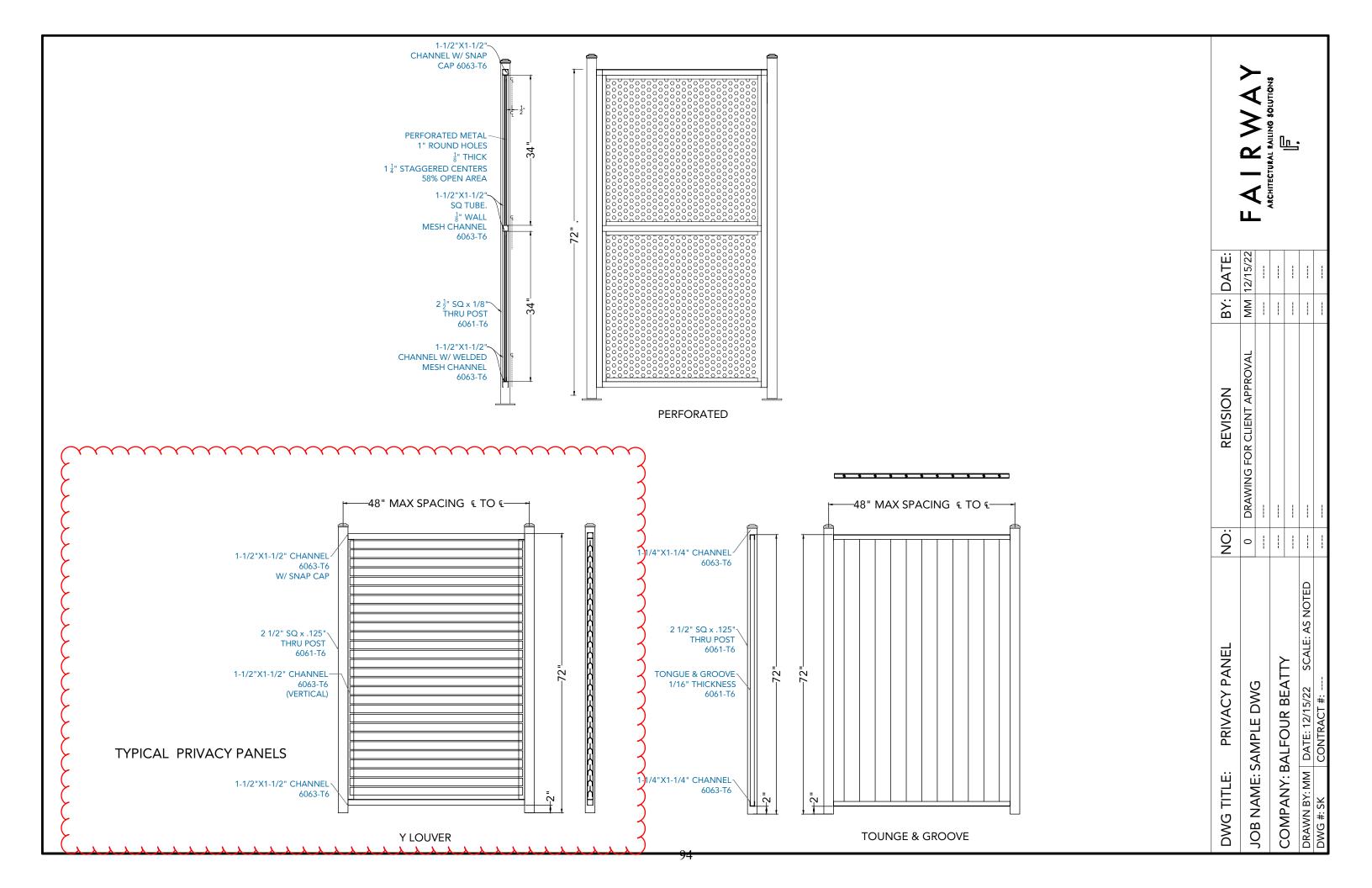
PH: (814) 796-4515 FX: (814) 796-4009 ALL DRAWINGS ARE PROPRIETARY AND THE SOLE
PROPERTY OF RGS PRODUCTS INC. DRAWINGS ARE NOT
TO BE REPRODUCED, DISCLOSED OR TRANSMITTED TO
OTHERS
FOR ANY PURPOSE NOT AUTHORIZED BY RGS
PRODUCTS INC.
92

RGS PICKET RAIL LAYOUT

Drawn by: MH

Date: 9/19/22

BALCONY DIVIDER SCREENS



GARAGE OVERHEAD DOOR (CAMERON STREET ELEVATION)

SECURITY GRILLE SYSTEMS

PRODUCT LINE

UPWARD-COILING

SIDE-FOLDING FULL CLOSURE

SIDE-FOLDING OPEN AIR

670/671/674

675/677/678/679

681/683

MODELS





Security grille selection

Determining whether a side-folding or upward-coiling grille is best for your project can be a matter of application, opening conditions or personal preference. Some basic design considerations are listed below. Your local Overhead Door™ Distributor is also a good resource for additional insight and information.

An upward-coiling security grille is ideally used in applications where:

- Electric operation is necessary
- Electrically-controlled emergency egress is desired
- The grille is subjected to heavy usage (an optional high usage package is available)
- In applications with no clearance on one or both sides of the opening

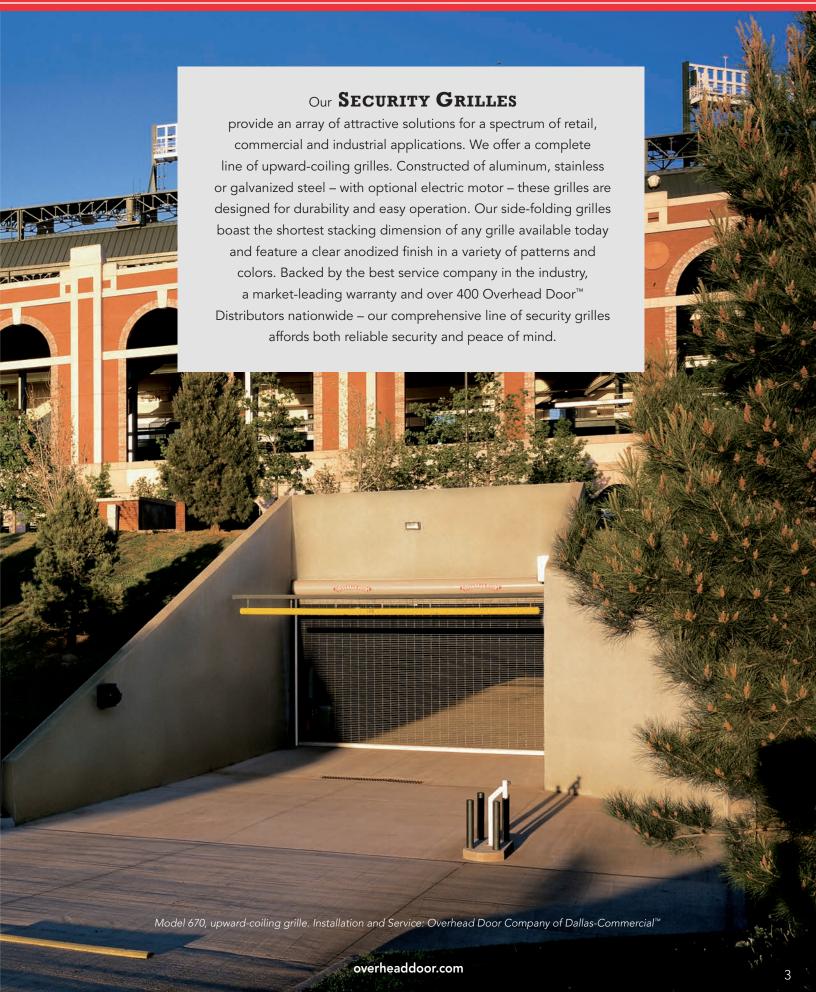
A side-folding security grille is often used in applications where:

- Headroom is limited
- There is limited or no clearance above the opening or on one side of the opening
- The grille must follow a radius
- The opening is extremely wide
- Electric operation or electrically-controlled emergency egress is not necessary

Cover image: Model 670, upward-coiling grille. Installation and Service: Overhead Door Company of The Meadowlands $^{™}$.

Image above: Model 671, upward-coiling grille.





Upward-coiling security grilles – general specifications

Specifications	Model 670	Model 671	Model 674
Operation			
Manual push-up	Standard	Standard	Standard
Chain hoist	Option	Option	Option
Crank	Option	Option	Option
Electric operator	Option	Option	Option
Curtain material/finish			
Galvanized steel		Standard	
Aluminum mill finish	Standard		
Aluminum clear anodized	Option		Standard
Powder coat to match aluminum bronze anodized	Option		
Stainless steel #4		Option	
Stainless steel #2B		Option	
PowderGuard®	Option	Option	Option
Pattern			
Straight lattice	Standard	Standard	
Straight lattice with polycarbonate inserts	Option	Option	
Brick	Option	Option	
Perforated slat			Standard
Emergency Egress		'	'
Manual release	Option	Option	
Automatic release	Option	Option	
Locking**			
Slide bolt	Standard	Standard	
Locking bottom bar w/ cylinder or thumb turn			Standard
Chain lock	Option	Option	
Security rods	Option	Option	
Interlocks	Option	Option	Option
Lock links (with automatic EEG)	Option	Option	
Hood			
Galvanized steel	Option	Option	Option
Aluminum mill finish	Option		
Aluminum clear anodized	Option		Option
Powder coat to match aluminum bronze anodized	Option		Option
Stainless steel #4	Option*	Option	
Stainless steel #2B	Option*	Option	
PowderGuard®	Option	Option	Option

 $[\]begin{tabular}{ll} * & No stainless hood on clear anodized grille \\ ** & Check with local authorities having jurisdiction regarding locking mechanisms when using emergency egress operation. \\ \end{tabular}$



Standard features at a glance

Operation	Manual unless size requires chain hoist
Curtain Material/Finish Pattern	670: aluminum, mill finish 671: galvanized steel or optional stainless steel (2B or 4) 674: aluminum, clear anodized 670/671: straight lattice (standard); staggered brick; straight with
Bottom bar	polycarbonate panels 674: perforated aluminum panels 670: Extruded aluminum, mill finish
BOLLOTT DAI	671: Double angle steel 674: Extruded aluminum, clear anodized
Guide type	Guide channels are extruded aluminum with continuous wear strips; 670/671 mill finish; 674 clear anodized; Wall angles and any packout angles are galvanized steel
Mounting	Interior face of wall is standard Between jamb option available
Brackets	Steel with black powdercoat finish
Pipe	Steel sized for maximum deflection of .03" per linear foot
Springs	Oil tempered, 20,000 cycle, torsion springs
Locking	670/671: Slide bolt for manual and crank operation; chain lock for chain hoist operation 674: Center locking bottom bar, with 1/2" diameter steel throw rods; Comes standard with cylinder locks on both sides or thumb turn on secured side
Warranty	12 month limited

Options

Operation : Electric operator, chain hoist, removable awning crank or crank box

Electric operator with automatic emergency egress (670, 671); compliant with IBC 1008.1.4.4 & NFPA 101

Controls: Card reader, keypad access

Hood: Primed galvanized or stainless steel, mill finish or clear anodized aluminum

Fascia and back hoods: aluminum, stainless steel

Optional guide finishes: clear or bronze anodized, stainless steel

PowderGuard® premium powder coat paint finish in approximately 200 standard colors, or color-matched to specification available on hood, curtain, bottom bar (not on 674), guides, headplates. For a smooth, durable finish consider powder coat to match aluminum clear or bronze anodized.

PowderGuard® Zinc and PowderGuard® Textured finishes

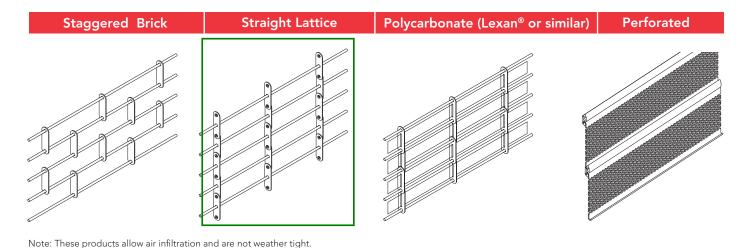
Heavy usage package (670/671)

Locking options include cylinder locks, slide bolts (670, 671), security rods (670, 671), interlocks

Fire retardant polycarbonate panels



Grille patterns



Benefits

Choice of aluminum, galvanized or stainless steel

The Model 670 features an aluminum curtain, with optional fire-retardant polycarbonate inserts.

The Model 671 is fabricated of galvanized steel. Stainless steel and fire retardant polycarbonate inserts are also options. The standard curtain pattern for both the Model 670 and 671 is a straight lattice configuration. A staggered brick design is optional.

The Model 674 features a perforated aluminum curtain that provides increased security, visibility and light infiltration in an attractive design. Ideal for interior applications, the aluminum construction of the Model 674 is lightweight - while the perforated design enhances security without hindering air infiltration and visibility.

High-performance, low maintenance

The counterbalance assembly features heavy-duty helical torsion springs in a steel tube or pipe barrel to provide long and reliable service. Guides feature silicon woolpile strips or PVC inserts for ease of operation and noise reduction. Surfaces are factory pre-finished to minimize field preparation and enhance the durability of the finish. Optional crank or electric motor further simplifies grille operation. An optional heavy usage package (670, 671) provides extended life in applications requiring higher cycles, such as parking garages and service access gates.

Optional electric operation

Available with an electric operator to provide automatic passage for a variety of commercial and industrial uses, including schools, hospitals, libraries, public access buildings and parking garages.

Our commercial operators are designed to work with these grilles to ensure precise, smooth and safe operation.

Options include:

- Entrapment protection, including monitored electric or photoelectric sensors
- Emergency egress allows for remote activation and notification of power failure
- Push-button, key or combination stations; surface or flush-mounted for interior or exterior locations
- Vehicle detectors, key card readers, door timer controls
- Treadle or pull-switch stations
- Keypad entry

Emergency egress options

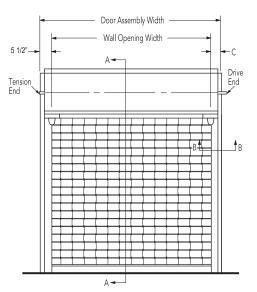
For public building applications an emergency egress may be necessary to prevent entrapment in the event of emergency or power failure. Hospitals, schools, office buildings and libraries are ideal for adding this safety option to the door system. In the event of an alarm condition or power failure, the emergency egress option allows for safe pedestrian exit. This feature avoids entrapment as well as provides immediate access to emergency personnel. We offer two ways to implement the emergency egress option. Both methods meet IBC 2018 402.8.8 Security Grilles and Doors, IBC 2018 1010.1.4.5 Security Grilles, and DASMA TDS355 Access Controlled Egress Doors standards. One option is the auto unlock and auto release option using an egress electric operator system designed specifically to work with Overhead Door™ emergency egress (670, 671). The other option is the auto unlock and manual release which can be operated with standard Overhead Door® commercial operators.

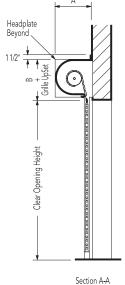
Face-of-wall mounted

Grille clearance elevation

Operation: Push-up, chain hoist, crank or electric.

For clearance details on electrically operated grilles, see motor operator details on page 18.





If motor operated add 2 $\frac{1}{4}$ " (57 mm) to B. If Safety Edge add 3 $\frac{3}{4}$ " (95 mm) to B.

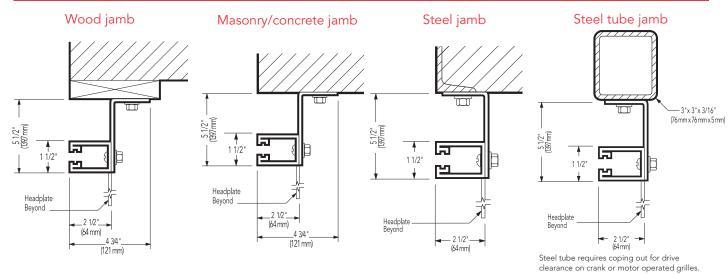
Headroom and sideroom clearance dimensions

Dimension	ons A and B	Models 670/671				
Opening Height		Α	В			
Thru 6'7" (2006 mm)		15" (381 mm)	16" (406 mm)			
Thru 10'	10" (3302 mm)	17" (432 mm)	18" (457 mm)			
Thru 15'	10" (4826 mm)	19" (483 mm)	20" (508 mm)			
Thru 19'6	6" (5944 mm)	21" (533 mm)	22" (559 mm)			
Thru 22'6	6" (6858 mm)	23" (584 mm)	24" (610 mm)			
Thru 24'0)" (7315 mm)	25" (609 mm)	26" (660 mm)			

Grille Upsets	Models 670/671					
	Manual w/o weather strip	Electric with safety edge				
Double angle bottom bar	1 3/4" (45 mm)	2 3/4" (70 mm)	3 3/4" (95 mm)	5 1/4" (133 mm)		
Tubular	2 1/2" (64 mm)	3 3/4" (95 mm)	4 3/4" (121 mm)	6 1/4" (159 mm)		
Extruded "T"	1 3/4" (45 mm)	2 3/4" (70 mm)	3 3/4" (95 mm)	5 1/4" (133 mm)		

Dimension C	Models 670/671				
Operation	С	Add to A			
Chain STD	9 1/4" (235 mm)				
F.O.H. chain	5 1/2" (140 mm)	+10" (254 mm)			
Awning crank	5 1/2" (140 mm)	+12" (305 mm)			
Push-Up	5 1/2" (140 mm)				
Electric model RMX®	9 1/4" (235 mm)				
Electric model RSX®	9 1/4" (235 mm)				
Electric model RHX® (standard mounting)	6 3/4" (172 mm)				
Electric model RHX® (3" sideroom bracket mounting)	5 1/2" (140 mm)				

Face-of-wall mounted guide details (Section B-B)



GARAGE METAL SCREENING (FAYETTE STREET ELEVATION)



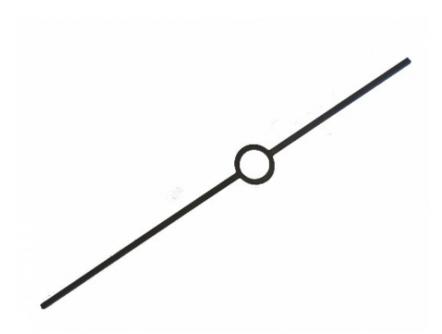
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Password:	
Sign In	. ?

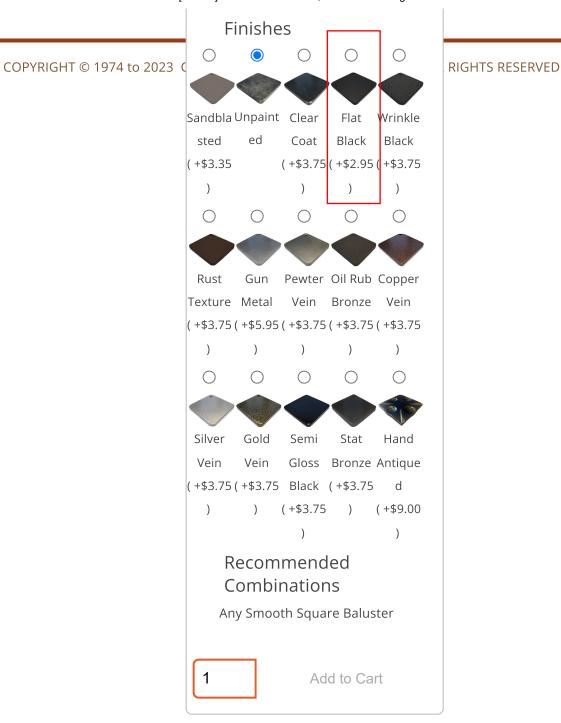
Products

40-220



SOLID STEEL BALUSTER -GARAGE SCREEN





Product Description Customers Also Purchased Video

Product Description

Square Smooth Matching Baluster

In addition to you powder coating you can add the following options.

PERGOLA (KING STREET/4TH FLOOR TERRACE)

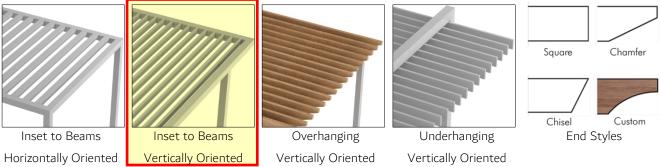


Viso Bold Pergola

Square or rectangular pergola system utilizing 152mm x 152mm (6"x 6") aluminum beams and corner columns. Components are pre-finished in premium polyester powder coating and mechanically fastened using stainless steel hardware. Designed as single or modular, in stand-alone or attached configurations Viso Bold is made to your specifications. Recommended 6096 (240") maximum single span between columns. Typical height: 2438 to 3048 (96" to 120"). Custom Sizes and Layouts Available

Viso Bold can be specified as single unit or multisection modular installation.

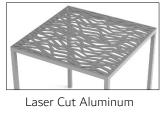
Roof Options - Purlins



Typical Purlin Profiles - other sizes, styles and materials may be available

Vertical Orient			l Orientatio	on Only						
Aluminum	mm	25x76	25x102	38x152	51x51	51x76	51x102	51x127	51x152	51x203
	in	1x3	1x4	1.5x6	2x2	2x3	2x4	2x5	2x6	2x8
Wood (finished) mm		38x89	38x140	89x89	Codar Ir	o and oth	or enocios	as specified	1 Custom s	rizing
Wood (IIIIstied)	in	1.5x3.5	1.5x5.5	3.5x3.5	Cedar, Ipe and other species as specified. Custom siz			izirig.		

Roof Options



Polyethylene

& Polycarbonate



Retractable Fabric (with or without purlins)



Tensioned fabric

Privacy Options



Aluminum

Aluminum Slats

Aluminum Slats

Wood Slats

Fabric Curtains and Blinds

Planter with Trellis

Lighting | Infrared Heating | Power and Charging

All sturdesign shade products can be manufactured to accommodate internal wiring for power supply. We can prepare our products to receive your specified lighting or heating. Our structures can also be prepared for SOLAR PANELS, USB CHARGING and OUTDOOR SPEAKERS - based on your project requirements. Electricians are required to complete installation. Contact your local representative or email info@sturdesign.com for options and specifications.

Retractable Shade, Curtains and Blinds

Manufactured with Sunbrella or equivalent specified fabrics, our retractable roof panels provide additional shelter from the strongest rays of sunlight. Retractable curtains and blinds offer a more private experience while providing additional sun protection or deflection of cooling breezes. Contact info@sturdesign.com for options and specifications.

Finishes

We offer a range of super durable powder coatings in a wide selection of finishes. Please go to www.sturdesign.com/finishes.







Let us know what color you require or send us a sample and we'll do all the work to ensure the best possible color match. Additional costs may apply, please contact us if you require specific information.

Smooth Finishes

Textured Finishes

Standard RAL and Color Matching Available

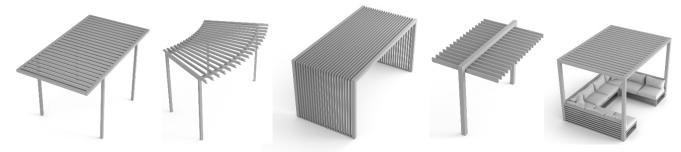
Installation

Sturdesign's pre-fabricated manufacturing process simplifies onsite assembly and installation. We provide step by step instructions and we supply the tooling heads to engage any optional tamper proof stainless steel hardware. Typical bolt-down installation utilizes wedge anchors or embedded rods, custom site-specific solutions are available.

Maintenance

Sturdesign structures are designed to provide extremely long service life. The powder coating will provide a high-quality finish for many years.

Inspections of mechanical fastenings, including column and building connections, should be conducted yearly and cleaned / tightened as necessary.



View the most current information www.sturdesign.com/viso-bold

Specification

Examples of typical single/section sizes - custom sizes available

	Viso Bold A	Viso Bold B	Viso Bold C	Viso Bold D	Viso Bold E	Viso Bold F	Viso Bold G
mm	3658x3658	3658x4572	3658x5486	3658x6096	4572x4572	4572x5486	4572x6096
Inches	144x144	144x180	144x216	144x210	180x180	180x216	180x240

Design

As there are many combinations of options and accessories please contact sturdesign for assistance with the layout, design and complete detailed specifications for your shade structures when required.

General

Where indicated in plan drawings or on schedules supply and install aluminum shade structures as designed and manufactured by:

Stur Design Inc.

Brantford, Ontario.

Phone 855-207-9669

Fax 289-207-0341

Email: sales@sturdesign.com

Structures will be supplied as configured in the plan drawings and will include all components and finishes as specified and required for quality installation

Submittals

Submit shop drawings to include: key plans; elevations; sections; component profiles; location, spacing and attachment of components. Provide samples of manufacturers finish and color selections.

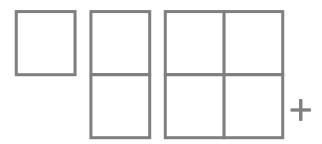
Finishes

Provide aluminum structures finished utilizing sturdesign's super durable polyester powder coating. Pre-finish all wood products with a single application of protective coating unless specified otherwise.

Choose from a selection of standard finishes at www.sturdesign.com/finishes, specify RAL numbers or provide samples for matching.



Layout Options



Fabrics

Provide fabric curtains, roller blinds, tensioned fabric panels and retractable fabric roofs supplied by sturdesign.

Sunbrella 'Firesist' should be specified for applications that include outdoor heat applications. Choose from a selection of standard fabrics or provide sample for matching.

Warranty

Provide 25-year limited manufacturer's structural warranty

sturdesign inc 1 855 207 9669 info@sturdesign.com www.sturdesign.com



1101 KING ST.

ALEXANDRIA, VA 22314

BAR SUBMISSION

EXTERIOR ARCHITECTURAL LUMINAIRE SCHEDULE
+
CUT SHEETS

DATE: 1-31-2023



SARAH RICHTER DESIGN, LLC Architectural Lighting Design hello@sarahrichterdesign.com | Annapolis, MD 21401 ARCHITECTURAL LIGHTING LUMINAIRE SCHEDULE | EXTERIOR BAR PROJECT: 1101 KING ST.

GENERAL NOTES

- 1 SHOULD THE CONTRACTOR WISH TO HAVE PRODUCTS OTHER THAN THOSE SPECIFIED CONSIDERED, THE ITEMS MUST BE SUBMITTED (14) DAYS IN ADVANCE OF THE BID. FAILURE TO SUBMIT WITHIN THAT DEADLINE CONSTITUTES A GUARANTEE THAT THE SPECIFIED PRODUCTS WILL BE SUPPLIED.
- THE GENERAL CONTRACTOR, OWNER, ARCHITECT AND LIGHTING DESIGNER TO REVIEW AND CONFIRM IF ATTIC STOCK IS DESIRED BY THE OWNERSHIP TEAM. IF SO, THEN COLLECTIVELY A SUFFICIENT QTY PER FIXTURE TYPE WILL BE DECIDED UPON. THIS LIST OF ATTIC STOCK TO BE NOTED, AND INCLUDED IN SUBMITTAL DOCUMENTATION.
- 3 GENERAL CONTRACTOR MUST PROVIDE 'CONTRACTOR NET' UNIT PRICING TO THE ARCHITECT FOR EACH LUMINAIRE TYPE COMPLETE WITH LAMP AND ALL ACCESSORIES AND MOUNTING EQUIPMENT NECESSARY FOR
- ELECTRICAL CONTRACTOR TO REVIEW THE ARCHITECTURAL LUMINAIRE SCHEDULE FOR INTEGRAL LED VS. LED LAMP-BASED FIXTURE TYPES. THEY SHALL PROVIDE A COMPLETE LIST OF ALL LAMPS TO BE FURNISHE
 ON THE PROJECT. THIS LIST SHALL BE ORGANIZED A JPHABETICALLY BY LUMINAIRE TYPE, AND INCLUDE THE MANUFACTURER AND EXACT MODEL ORDERING CODE OF EACH LAMP. IF OTHER LAMPS ARE TO BE
 PROVIDED BY THE ELECTRICAL CONTRACTOR FOR THE PROJECT, A SAMPLE OF EACH LUMINAIRE AND IT'S PROVEN DIMINING RANGE MUST BE MADE AVAILABLE TO THE DESIGN TEAM FOR THE PROJECT, A SAMPLE OF EACH LUMINAIRE AND IT'S PROVEN DIMINING RANGE MUST BE MADE AVAILABLE TO THE DESIGN TEAM FOR THE STING.
- ALL LINEAR LIGHTING (LINEAR FIXTURES) TO BE CONTINUOUS AND RUN END-TO-END, UNLESS OTHERWISE NOTED. ELECTRICAL CONTRACTOR TO FIELD VERIFY ANY DIMENSIONS TO ENSURE A FULLY-LIT CONTINUOUS STALL PROVIDE BLANKS AT ENDS AS RECOMMENDED TO MITIGATE SHADOWS. SHOP DRAWINGS SHALL BE REQUIRED FOR FULL APPROVAL.
- 6 ELECTRICAL CONTRACTOR SHALL VERIFY CEILING TYPE FOR FIXTURE INSTALLATION. EC/GC SHALL VERIFY ALL NEW AND EXISTING EXTERIOR CEILING CONDITIONS. LIGHTING DESIGNER TO BE NOTIFIED IF A CEILING SPECIFICATION COULD IMPACT LIGHT FIXTURE SPECIFICATION.
- The submitted of the su
- 8 REMOTE DRIVERS SHALL BE SPECIFIED BY THE EE. REMOTE DRIVERS SHALL BE LOCATED IN ACCESSIBLE LOCATION. EC TO COORDINATE MOUNTING LOCATION WITH ARCHITECT PRIOR TO INSTALLATION.
- 9 ALL LIGHTING CONTROLS PROVIDED BY THE LIGHTING DESIGNER IS A BASIS OF DESIGN. ELECTRICAL ENGINEER SHALL REVIEW AND DESIGN FOR COMPLIANCE WITH PROJECT BUILDING CODE AND LIFE SAFETY REQUIREMENTS.
- 10 ALL EMERGENCY EGRESS AND EXIT LIGHTING SHALL BE DESIGNED AND SPECIFIED BY THE ELECTRICAL ENGINEER.
- 11 ELECTRICAL ENGINEER SHALL VERIFY VOLTAGE, AND DIMMING PROTOCOL NECESSARY FOR FULLY FUNCTIONING PRODUCT.
- EXACT MOUNTING HEIGHT (AFF') OF ALL ARCHITECTURAL LIGHTING FIXTURES TO BE CONFIRMED BY THE ARCHITECT AND LIGHTING DESIGNER. IN SOME CASES, AS NOTED IN THE SCHEDULE BELOW, THE LIGHTING FIXTURES MAY NEED TO BE HUNG/LOCATED IN THE FIELD BY THE EC WITH THE LIGHTING DESIGNER PRESENT. FOR EXTERIOR LIGHTING, COORDINATE WITH ARCHITECTURAL ELEVATIONS.
- 13 ARCHITECT TO CONFIRM FINISH FOR ALL LIGHTING FIXTURES, COMPONENTS, AND ACCESSORIES.
- ALL MILLWORK LIGHTING TO BE VERIFIED AGAINST MILLWORK SHOP DRAWINGS. ALL MILLWORK LIGHTING FIXTURES ARE REQUIRED TO HAVE MANUFACTURER-SUPPLIED SHOP DRAWINGS DURING THE SUBMITTAL PHASE.
- 15 ALL DECORATIVE LIGHTING TO BE SPECIFIED BY RD JONES. ALL CUT SHEETS, QUESTIONS, INQUIRIES TO BE FIELDED BY ID.

									MOUNTING		ING	
FIXTURE TYPE	DESCRIPTION	LOCATION	ITEM	MANUFACTURER	CATALOG NUMBER	SYSTEM WATTS	VOLTS	FINISH	SURFACE	RECESS	рертн	NOTES
EXTER	XTERIOR											
			FIXTURE	INTERLUX	WHITEGOODS GDL WET LOCATION			WHT/SILVER		х	2.6"	
LX1	2.4" ROUND RECESSED DOWNLIGHT - TRIM - WET LOCATION	EXTERIOR DOORS	LAMP	INTERLUX	LED -90 CRI - 3000K - 580 LMS	9 W	BY EE					
			POWER SUPPLY	INTERLUX	0-10V DIM, 10% (INTEGRAL)							
	UP-DOWN DIRECTIONAL		FIXTURE	SISTEMALUX	SLOT ROUND UP DOWN			BLK X				
LXZ	CYLINDER WALL MOUNT FIXTURE - WET LOCATION		LAMP	SISTEMALUX	LED -90 CRI - 3000K - 2500 LMS	35 W	BY EE					
	Looming		POWER SUPPLY	SISTEMALUX	0-10V DIM, 15% (INTEGRAL)							
			FIXTURE	TARGETTI	MR. SMITH WALL MOUNT LUMINAIRE		W BY EE	BLK	х			
LX3	WALL MOUNT EGRESS LIGHT - WET LOCATION	EXTERIOR DOORS	LAMP	TARGETTI	LED - 90 CRI - 3000K - 500 LMS	13 W						
			POWER SUPPLY	TARGETTI	0-10V DIM (INTEGRAL)							
			FIXTURE	TARGETTI	FEBO EVO			BLK	х			
LX4	WALL SCONCE - WET LOCATION	SECONDARY ENTRIES	LAMP	TARGETTI	LED - 90 CRI - 3000K - 1200 LMS	17 W	BY EE					
			POWER SUPPLY	TARGETTI	0-10V DIM (INTEGRAL)							

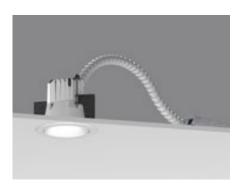
			FIXTURE	EUREKA	LAP OUT 3451			SILVER	х			
LX5	WALL SCONCE - WET LOCATION	MAIN ENTRY	LAMP	EUREKA	LED - 80 CRI - 3000K - 1100 LMS	16 W	BY EE					
			POWER SUPPLY	EUREKA	0-10V DIM (INTEGRAL)							
			FIXTURE	INTERLUX	RUBBER 2D			WHT	х			
LX6	LINEAR LED FLEXIBLE FIXTURE, UPLIGHT - WET LOCATION	FAÇADE TURRETS	LAMP	INTERLUX	LED - 85 CRI - 3000K - 150 LMS/LF	3 W/LF	BY EE					+MOCK-UP RECOMMENDED
			POWER SUPPLY	INTERLUX	0-10V DIM, 10% (REMOTE)							
			FIXTURE	LITHONIA	VCPG LED			BLK	х			
LX8	SURFACE MOUNT ROUND DOWNLIGHT - WET LOCATION	ALLEY CEILING	LAMP	LITHONIA	LED - 80 CRI - 3000K - 3000 LMS	27 W	BY EE					
			POWER SUPPLY	LITHONIA	NON-DIM (INTEGRAL)							
			FIXTURE	INTERLUX	XENIA SURFACE			BLK		х	3.1"	
LX10	LINEAR LED FIXTURE, DOWNLIGHT	ENTRY CANOPY	LAMP	INTERLUX	LED - 90 CRI - 3000K - 2100 LMS	28 W	BY EE					+MOCK-UP RECOMMENDED +COORDINATE FIXTURE MOUNTING WITH CANOPY CONSTRUCTION AND DETAILS.
			POWER SUPPLY	INTERLUX	0-10V DIM (INTEGRAL)							
			FIXTURE	INTERLUX	RUBBER 2D			WHT	х			
LX11	LINEAR LED FLEXIBLE FIXTURE, DOWNLIGHT - WET LOCATION	EXTERIOR AMENITY AREAS	LAMP	INTERLUX	LED - 85 CRI - 3000K - 150 LMS/LF	3 W/LF	BY EE					+MOCK-UP RECOMMENDED
			POWER SUPPLY	INTERLUX	0-10V DIM, 10% (REMOTE)							
	6" GLOBE GARDEN		FIXTURE	BEGA	BEGA GARDEN 55 030			BLK	х			
LX12	LIGHT - STAKE MOUNTED - WET LOCATION	LVL 4 AMENITY DECK	LAMP	BEGA	LED - 80 CRI - 3000K - 90 LMS	2.5 W	BY EE					
			POWER SUPPLY	BEGA	NON-DIM (REMOTE)							
			FIXTURE	WAGNER	BANTAM			SILVER	х			
LX17	HANDRAIL POST MOUNTED LIGHT - WET LOCATION	LVL 4 AMENITY DECK	LAMP	WAGNER	LED - 80 CRI - 3000K - 100 LMS/EA	2 W/EA	BY EE					
			POWER SUPPLY	WAGNER	0-10V DIM (REMOTE)							
			FIXTURE	STRUCTURA	AURA-RING-D-6-L30-SO-S-C**-STD			WOOD	х			
LX18	EXTERIOR RING TRELLIS LIGHT - WET LOCATION	LVL 4 AMENITY DECK	LAMP	STRUCTURA	LED - 80 CRI - 3000K - 4000 LMS	180 W	BY EE					
			POWER SUPPLY	STRUCTURA	0-10V DIM (INTEGRAL)							
			FIXTURE	TIVOLI	ADAPT 2.0			BLK	х			
LX19	SPECIALTY TREE LIGHT - WET LOCATION	LVL 4 AMENITY DECK	LAMP	TIVOLI	LED - 90 CRI - 3000K - 90 LMS/EA	1 W/EA	BY EE					
			POWER SUPPLY	TIVOLI	0-10V DIM (REMOTE)							
			FIXTURE	INTERLUX	ORMA			BLK		х	3"	
LX20	RECESSED DOWNLIGHT - WET LOCATION	ENTRY CANOPY	LAMP	INTERLUX	LED - 90 CRI - 3000K - 280 LMS	4W	BY EE					
			POWER SUPPLY	INTERLUX	0-10V DIM (REMOTE)							

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2.4" General Downlight

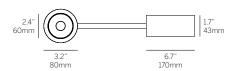
Round Regressed Cone



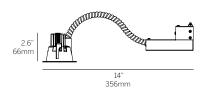


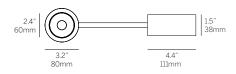
Ordering Information										
WG-60RGDL	RBT				RRC					
Model	Fixation	Power ¹	CRI/ CCT ^{2,3}	Driver	Lens	Trim Finish ⁴	Cone Finish ⁴	Options		
WG-60RGDL	RBT	L M H	927 930 935 940	X S S010 SPH D010 PEQ0 DFPN	RRC	W (std) S F	W (std) S F	CP ⁵ IC ⁵ NC ⁵ LP ⁵ SH WL		

2.6" 66mm 14" 356mm



Standard housing





Shallow housing (SH)

Luminaire

- 2.4"(60mm) small aperture, low brightness downlight for general illumination.
- Suitable for interior or exterior use under canopy or in wet locations (WL) such as showers.
- Installation from below the ceiling for remodel and new construction.
- Integral or remote driver. Integral driver requires 4.5" (114mm) minimum ceiling clearance (void).
- Conical reflector with regressed soft lens.
- White finish standard.

Fixation

■ RBT = Recessed bezel trim

Dower

- L = Low power, 5.9W @ 350mA
- M = Mid power, 8.6W @ 500mA
- H = High power, 12.4W @ 700mA

CRI/CCT^{2,3}

90+ CRI (Low/Medium/High Power)

- 927 = 2700K, (399/543/717 lm)
- \blacksquare 930 = 3000K, (429/584/771 lm)
- \blacksquare 935 = 3500K, (429/584/771 lm)
- \blacksquare 940 = 4000K, (459/625/826 lm)

Drive

■ X = Driver ordered separately

Integra

- S = Standard non-dim driver, 120-277V
- S010 = 0-10V >10% dimming, 120-277V
- SPH = Standard Phase Dimming, 120VAC (available in low and medium power only)

Remote

- D010 = EldoLED, 1%, 0-10V dimming, 120-277V
- PEQ0 = Lutron Hi-lume Premier 0.1% EcoSystem, SoftOn/FadeToBlack, 120-277V
- DFPN = Lutron Forward Phase 1%, 120VAC only

Lens

■ RRC = Round regressed cone

Trim Finish⁴

- W = White, 15% gloss, Tiger Drylac 49/11350 (standard)
- S = Silver, 15% gloss, Tiger Drylac 49/90500
- F = Custom finish, specify RAL

Cone Finish⁴

- W = White, 15% gloss, Tiger Drylac 49/11350 (standard)
- S = Silver, 15% gloss, Tiger Drylac 49/90500
- F = Custom finish, specify RAL

Options

- CP = Chicago Plenum Housing⁵
- IC = Insulated Ceiling Housing⁵
- NC = New Construction Housing⁵
- LP = Landing Pan⁵
- SH = Reduces required plenum space to 3.5" (89mm) (available in low and medium power S, S010 and SPH drivers only)
- WL = Wet Location
- To specify multiple options, select the appropriate grouped codes from drop-down e.g. SH-WL

Emergency

- Emergency LED driver available, order separately (remote)
- ¹ Wattage shown does not include power supplies/drivers. System wattage adds 10-20%.
- ² Other lumen packages available, consult factory.
- ³ Delivered lumens shown. See page 4 for additional details.
- ⁴ See Tiger Drylac color chart: inter-lux.com/tiger
- ⁵ See housings page for details.



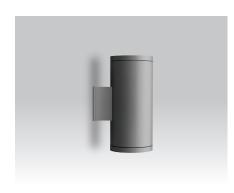
410 381 1497 inter-lux.com answers@inter-lux.com Inter-lux reserves the right to make technical changes without notice.

(930-20255-E) 1

whitegoods

SPECIFICATION SHEET

Page: 1 of 4 Project :









Collection of wall mounted luminaires for exterior applications. Exceptional European build quality with high corrosion resistant finish. Robust marine grade die-cast aluminum construction with stainless steel fasteners and factory and glass diffuser.

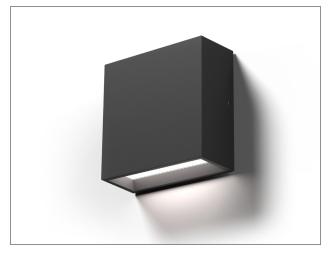
Type:

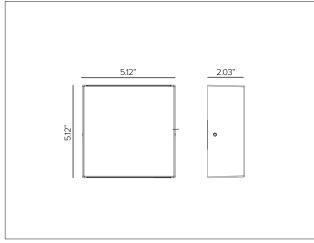
Luminaire characteristics:	Power input: 34.5W (per lamp) Lumens: 2 530lm (per lamp for 3000K, 90CRI) Luminaire efficacy: 73lm/W
Source:	White LED module (LM-80) 2700K : 90CRI 3000K : 90CRI 4000K : 90CRI
Lumen maintenance:	70% of initial lumens at 50 000 hours (L70)(LM-79).
Optics:	Narrow Flood, adjustable ±15°, up and/or down.
Material:	Body: Die-cast aluminum Reflector: 99.98% pure anodized aluminum Diffuser: Clear tempered glass Mounting plate: Machined aluminum Hardware: Stainless steel screws
Mounting:	Luminaire can be installed as up and/or downlight. Installs on a standard 4" octagonal junction box. The center of junction box is located 1-3/8" higher than the center of the luminaire.
Electrical:	Integral high effeciency electronic driver, rated at 50 000 hours, 120-277V.
Dimming:	Down to 15%, 0-10V (120-277V).
Finish:	Aluminum painted finish, following a double powder paint in 3 step process: surface treatment containing ceramic nano particles (Bonderite). Epoxy primer paint. Polyester powder paint with high resistance against UV rays and harsh weather conditions.
Weight:	15.2 / 19lbs (6.8 / 8.6kg)
Warranty:	5 year limited warranty.
Ratings:	IP65, IK08
Certification: c(UL)us	cULus listed for wet location.

Due to continuous improvements, the information herein may be changed without notice

MR. SMITH

Wall Mount Luminaire















CONCEPT

Surface wall mounted LED luminaire.

MECHANICAL CHARACTERISTICS

Housing	5.12"H x 5.12"W x 2.03"D
Materials	Powder coated anodized die-cast aluminum body and optical unit with injection molded opal polycarbonate lens.
Finish	Textured finish.
	Ferrite Dark Grey Heritage Brown Bronze
	■ Black White ■ Sandstone Grey
Power Connection	Fixture provided with 7"L line voltage dimming wire.
Functionality	Direct emission features regressed lens for maximum visual comfort. Indirect emission features flush lens with a tapered design for maximum water flow-off.
Mounting	Surface mounted. Fixture is supplied with a universal adapter plate to mount over standard 4"x4" junction box.
BUG	MD: B1–U0–G0 Dark Sky Compliant MU: B0–U4–G0 BI: B1–U4–G0
Weight	1.43lbs
Protection	IP65
Impact	IK08

□ CERTIFICATIONS

cULus Wet Location Listed.
Tested in accordance with LM-79-08.
Compliant for California installations.
IEC 62471
ROHS3 EU 215/863

WARRANTY

5 year limited warranty

ELECTRICAL CHARACTERISTICS

Integral 4/1 smart driver (Non-Dimmable / 0-10V / Reverse Phase / Forward Phase).
Monoemission 7W / Biemission 13W
120-277V AC 50/60Hz

SOURCE

CCT (Nominal)	D Chip on Board. CCT (Nominal) CRI Rf Rg SD								
2700K	84	82	96	2					
3000K	84	83	96	2					
3500K	80	83	95	2					
4000K	84	82	95	2					
Ra90 available upor				•••••					

OPTIC

MicroPet high reflectance white spotlight.

Beam		Mono Direct	Mono Indirect	Biemission
Delivered Lumens	2700K	500Lm	636Lm	1,136Lm
	3000K	522Lm	664Lm	1,186Lm
	4000K	535Lm	681Lm	1,217Lm
	For 3500K	lumen values use mu	ltiplier of 1.02 from 3000	DK.
Efficacy			tometric graphs for	
Lifetime	L90/B10 5	30,000hrs at max 50,000hrs at max 5		
Photobiological Classification		photobiological s	-	

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rev. 05.26.22

pg. 1 of 4

TARGETTI

FEBO EVO

Professional LED Wall Facade Illuminator or Pathway Bollard

Concept: Inground or wall LED fixture with grazing lighting effect.

Materials: Extruded aluminum body, die-cast aluminum optical head with black radial blades. AConsult factory for use in marine grade environments.

Source: Multiple sources circuit, mid-power LED with flip-chip technology.

Optic: Optical unit composed of a collimating toroidal lens in transparent, optical

Installation: Fixture is provided with 6ft IP68 connector cable. Direct burial brass ingrade jbox (required for bollard configuration only, sold separately).

 $\textbf{Driver:} \ \text{Integrated 4/1 driver (Non-dimmable / 0-10V / Reverse Phase / Forward)} \\$

Finish: Textured Standard Finishes - Ferrite Grey / Heritage Brown / Bronze RAL 8019 / White / Black / Sandstone Grey

Wattage: 17W / 32W

Color Temperature: 2700K / 3000K / 4000K CRI: Ra84 (2700K, 3000K, 4000K) Lumen Maintenance (L70): 50,000hrs

Calculation for LED fixtures are based on measurements

that comply with IES LM-80.

Voltage: Universal Voltage 120-277V AC 50/60Hz **BUG:** B1-U3-G3 for bollard mounting configuration only.

Distribution: Type V with optional shutters for lighting effects, see page 2.

IP Rating: IP67

Certifications: cULus listed Wet Location Tested in accordance with LM-79-08 Energy efficient for California installations.

Warranty: 5 year limited warranty

^AConsult factory for use in marine grade environments. Not to be in direct contact with salt for extended periods of time or used with corrosive agents.





Bollard Mount Version Febo Evo Shown in Ferrite Grey Flnish

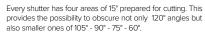








One the advantages of FEBO EVO is its versatility in creating different lighting effects with careful use of shutter kits. Every kit is composed of two 120° shutters, one for each of the FEBO EVO luminous rings. Made of black silicone they ensure stability of the material over time and ease of assembly even on installed fixtures.



For every FEBO EVO a maximum of two shutter kits can be used which means it is possible to cover up to 240° of the

total beam. Various combinations can be obtained by combining two kits and the different cutting possibilities they provide.

To obtain the same lighting effect using several fixtures on the same façade it is possible to position the shutters using the cardboard template provided in every kit.







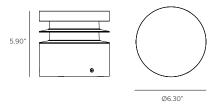
Optional Shutter Kits Optional Shutter Kits Optional Shutter Kit

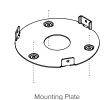
PRODUCT CODE	DRIVER	FINISH	MOUNTING	WATTAGE	COLOR TEMP
FEB — FEBO EVO 41 -	41 = 4/1 Dimming (Non-Dimming / 0-10V	FE - Ferrite Grey	$\mathbf{W} - $ Wall Mount	L1 — 17W	27 — 2700K
	/ Reverse Phase /	HB — Heritage Brown	B — Bollard Mount	L2 — 32W	30 — 3000K
	Forward Phase)	BZ — Bronze RAL8019			40 — 4000K
		WT— White Textured			
		BT — Black Textured			

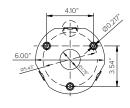
SG - Sandstone Grev



Views







Targetti USA - A Targetti Group Company - 750-A W. 17th St. Costa Mesa, CA 92627 - Phone (714) 513-1991 - Email: targettiusa@targetti.com - targettiusa.com - 04.28.21 - Page 1 of 5

TARGETTI

FEBO EVO

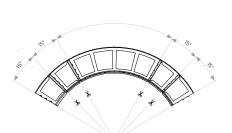
OPTICAL ACCESSORIES

1E3399

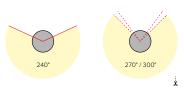
120° shutter kit (with 4 cut zones that allow to shutter even 105°/90°/75°/60° angles). Sold in pairs.

Max of two kits to be used per fixture.









Achievable Optics with (2) 1E3399 Kits











INSTALLATION ACCESSORIES

1US2530

Direct burial brass ingrade j-box. Features stainless steel cover screws and strain relief for power cord, (2) 3/4" NPT bottom holes and (2) 3/4" NPT side holes. Includes (4) 3/4" to 1/2" adaptors and (2) 1/2" NPT plugs. PVC sleeve included, 6"H. (REQUIRED by NEC for bollard configuration, one per fixture)

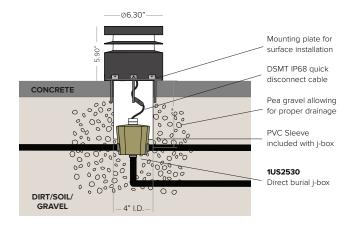




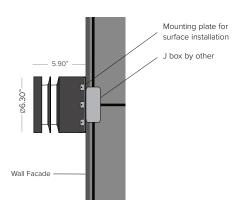
FEBO EVO

Installation Diagrams

Surface Installation



Wall Mount Installation



LAP OUT 3451

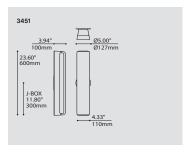
PROJECT PROJET		
SPEC TYPE		
NOTES		











ORDERING SPECIFICATION SPÉCIFICATION DE COMMANDE CODE MODEL MODÈLE 3451 LAP OUT 3451 LIGHT SOURCE SOURCE LUMINEUSE LED REGULAR OUTPUT LED COLOR TEMPERATURE TEMPÉRATURE DE COULEUR 3000K 35 40 3500K 4000K VOLTAGE VOLTAGE 120 VOLT 277 VOLT 277V DIMMING OPTION OPTION DE GRADATION 0-10V DIMMING (120V-277V) DV DP PHASE DIMMING (120V ONLY) LED DIMMING DRIVER IS STANDARD IN THIS PRODUCT, PLEASE SPECIFY YOUR DIMMING TYPE STRUCTURE FINISH FINI STRUCTURE WHITE FINE TEXTURE WHE ANTHRACITE FINE TEXTURE

PRODUCT CHARACTERISTICS CARACTÉRISTIQUES DU PRODUIT

DESIGN:

BLKE





BLACK FINE TEXTURE









LIGHT SOURCE: LED with self-modulating temperature control for maximum performance. STRUCTURE: CNC machined aluminum, die-stamped galvanized steel and die-cut silicone gasket. DIFFUSER: Translucent frosted acrylic.

CERTIFIED:

CSA Listed to US and Canadian safety standards; 25°C ambient and wet-locations. IP65 rated.

CONCEPTION:

SOURCE LUMINEUSE: STRUCTURE:

applique murale à éclairage indirect représente la version étendue du Lap intérieur. DEL offerte avec autocontrôle de température pour une performance maximum. Aluminium usiné par contrôle numérique, acier galvanisé découpé et plié et joints d'étanchéité en silicone comprimé pour résister aux intempéries. Acrylique givré translucide.

DIFFUSEUR: CERTIFIÉ:

Homologué CSA aux standards UL Canada et É.-U. - Température ambiante

Conque pour être utilisée dans les couloirs extérieurs et espaces publics. Cette

25°C et emplacements mouillés. Conforme à la norme IP65.

EUREKA

SPECIFICATION

Rubber 2D Side Bend









General: Rubber is a broad family of flexible lighting fixtures created to resolve even the most challenging architectural details and applications (columns, curved walls), both indoor and outdoor. Rubber is available in multiple solutions: from a 3D version with a diffused output that bends in every direction, to 2D and 2D Mini (only 0.2" wide) options that bend sideways, to get to the unique 3D Optic.

3D Optic has dedicated optics every inch which make this 360° bendable product a real lighting machine, unique in its category and with an unprecedented attention to its design and look.

Fixture Body: Polyurethane resin blended into a PVC flexible channel. Rubber 2D is Side Bend only (Min. Bending Radius 9.9").

Mounting/Casing: Multiple mounting solutions available: straight PVC or Aluminum channels and mounting clips with or without wireway; articulated channel to follow any shape the product is bent to.

Drive-over: Walk-Over only.

Dimensions/Weight: 39.3" (0.61 lbs) – 196.9" (3.01 lbs)

Driver: Remote, 24V DC Dimmable 0-10V or Non-Dim.

Wattages: 3 W/ft. Individual fixture wattage: 10W (39.3") - 50W (196.9")

Cable: Fixture comes with 0.82' of cable (Power cable required, ordered separately).

IP rating: IP67 for temporary flooding up to 3.28' depth for up to a maximum of 30 mins.

IK rating: IK 08

ETL Certification: ETL, wet location

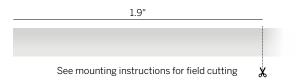
Optics: Fixed, diffused.

Color temperatures: 2700K - 3000K - 4000K.

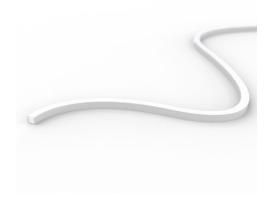
CRI: 80+

Lumen Maintenance: L70 projections tested at Tj 65° C and Ta 25°.

Warranty: 5-year Limited Warranty on fixtures. 1-year Limited Warranty on Remote Drivers.







Delivered Lumens*	3.9"	197"	lm/ft
GE	472	2360	144

*Values	shown	for	3000K

Ordering Information								(Require	(Required) ³	
RUB	WH	2DS		3 - CV		GE				
Product	Trim/Finish	Туре	Length	Wattage/Operation	Color Temp	Optic	+	Profile	Cable	Driver
RUB = Rubber	WH = White Finish	2DS = 2D (Side Bend)	39 = 39.3" 197 = 196.9"	3 CV = 3W/ft / Remote Constant Voltage 24V DC	27 = 2700K 30 = 3000K 40 = 4000K	GE = General Illumination		E99549 E83034 E99536 E99537	E99688 E99689	OT96-D010 OT96-JBX LUT96-L3D0

³ See page 2







VCPG LEDParking Garage









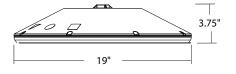


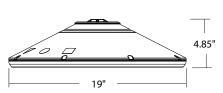
Specifications

Diameter: 19

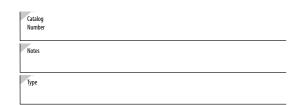
Height: 3.75" (4.85" with Up-Light)

Weight 18 lbs (max, with no options):









Introduction

The all new VCPG LED (Visually Comfortable Parking Garage) luminaire is designed to bring glare control, optical performance and energy savings into one package. The recessed lens design of VCPG LED minimizes high angle glare, while its precision molded acrylic lens eliminates LED pixilation and delivers the required minimums, verticals and uniformity. The dedicated up-light module option reduces the contrast between the luminaire and the ceiling creating a more visually comfortable environment.

The VCPG LED delivers up to 87% in energy savings when replacing 175W metal halide luminaires. With over 100,000 hour life expectancy (12+ years of 24/7 continuous operation), the VCPG LED luminaire provides significant maintenance savings over traditional luminaires.

Ordering Information

EXAMPLE: VCPG LED V4 P4 40K 70CRI T5M MVOLT SRM DNAXD

VCPG LED								
Series	LED Light Engines	Package	Color temperature	Color Rendering Index	Distribution	Voltage		Mounting
VCPG LED	V4 ¹ 4 Light Engines V8 ¹ 8 Light Engines	P1 ¹ P2 ¹ P3 ¹ P4 ¹ P5 ¹ P6 ¹ P7 ¹	30K 3000 K 35K 3500 K 40K 4000 K 50K 5000 K	70CRI 80CRI	T5M Type V, medium T5R2 Type V, rectangular T5W Type V, wide T5E Type V entry LANE2 Drive lane	MVOLT 347 480	For ordering with fuse 120 208 240 277 347 480	Shipped included PM Pendant mount standard (24-inch length supply leads) SRM Surface mount (24-inch length supply leads) ARM Arm mount (use RSXWBA accessory to mount to a wall) Shipped separately YK Yoke/trunnion mount ³

Options			Finish (required)
Shipped installed UPL1 Up-Light: 500 lumens UPL2 Up-Light: 700 lumens E8WC Emergency battery backup, Certified in CA Title 20 MAEDBS (8W, -20°C min) 45.6 E10WH Emergency battery backup, Certified in CA Title 20 MAEDBS (10W, 5°C min) 45.6 HA High ambient (50°C, only P1-P4) SF Single fuse (120V, 277V, 347V) DF Double fuse (208V, 240V, 480V) SPD10KV 10KV Surge Pack LD536 36in (3ft) lead length LD572 72in (6ft) lead length LD5108 108in (9ft) lead length DMG External 0-10V leads (no controls) ⁷ TP Tamper proof screws Shipped Separately WG Wire Guard BDS Bird Shroud HS House Side Shield BSW Bird Spikes	Standalone Sens PIR PIRH PIRH5C3V PIRH3FC3V Networked Senso NLTAIR2 PIRH NLTAIR2 PIRH NLTAIR2 PIRH924	Motion/ambient sensor for 8-15' mounting heights Motion/ambient sensor for 15-30' mounting heights Motion/ambient sensor for 8-15' mounting heights, pre programmed to 3fc and 35% light output Motion/ambient sensor for 15-30' mounting heights, pre programmed to 3fc and 35% light output	DWHXD White DNAXD Natural aluminum DDBXD Dark bronze DBLXD Black Note: Product will be shipped in job packs of 18pcs per box. The remaining units will be shipped in unit packs.



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VCPG LED Rev. 11/21/22

Xenia Wall Optics – Integral Driver





General: Xenia is a family of slim profile, low glare linear LED recessed and wall fixtures suitable to illuminate outdoor architectural elements such as facades, columns, landscape, and pathway lighting. The recessed version can be installed as a drive-over in-grade or can be mounted into walls and ceilings. The wall version offers several mounting brackets and anti-glare visors to direct light only where needed. Multiple optics, internal Micro-louvers and a PRO version for higher output complete the range.

Fixture Body: Corrosion resistant 6060 Aluminum, Anodized (20 µm).

Trim: Frameless, ideal for continuous runs.

Mounting: Adjustable steel brackets, available in different lengths.

Dimensions/Weight: 14.4" (1.21 lbs) – 24.8" (1.76 lbs) – 36.6" (2.43 lbs) – 48.4" (3.09 lbs) –

60.2" (3.75 lbs)

Driver: Integral, 120/277VAC Non-Dim.

Wattages: 8.2W (14.4") – 14.2W (24.8") – 21.4W (36.6") – 27.8W (48.4") – 37W (60.2") Cable: Fixture comes with 0.66' of cable (Power cable required, ordered separately).

Safety features: Built-in TCS® (Moisture protection), Over tension and Electrical discharge protection systems.

IP rating: IP66. Fixture is protected against dust and direct exposure to powerful water jets.

IK rating: IK 10

ETL Certification: ETL, wet location

Optics: Fixed. Available in Narrow Flood - Medium Wide Flood - Extra Wide Flood -

Asymmetric Wall Washer. Anti-glare visors available as accessory.

Color temperatures: 2700K - 3000K - 3500K - 4000K.

CRI: 80+

Lumen Maintenance: L70 projections tested at Tj 65° C and Ta 25°.

Warranty: 5-year Limited Warranty on fixtures. 1-year Limited Warranty on Remote Drivers.



14.4" (8.2W) 24.8" (14.2W) 36.6" (21.4W) 48.4" (27.8W) 60.2" (37W)

Delivered Lumens'	14.4"	24.8"	36.6"	48.4"	60.2"
NFL	474	949	1441	1922	2402
MWFL	518	1036	1581	2108	2635
EWFL	564	1129	1716	2288	2861
WW	531	1063	1603	2138	2674
*Values shown for 3	3000K				

Ordering Information												
XE	W	ОВ										
Product	Mounting/ Frame	Туре	Length	Wattage/Operation	Color Temp	Optic	+	Cables ¹	Fixing Brackets ¹	Anti-glaring ¹		
XE = Xenia	W = Wall	OB = Open	14 = 14.4"	8 IND = 8.2W / Integral (120/277VAC Non Dim)		NFL = Narrow Flood		E83043	E98949	E98782 (14)		
		Beam	25 = 24.8"	14 IND = 14.2W / Integral (120/277VAC Non Dim)	30 = 3000K 35 = 3500K	MWFL = Medium Wide Flood		E83044 E83045 E83046	E83045 E83046	E83045 E8904	E89045 E89046	E98783 (25) E98784 (37)
			37 = 36.6"	21 IND = 21.4W / Integral (120/277VAC Non Dim)	40 = 4000K	EWFL = Extra Wide				E89047	E98785 (48) E99778 (60)	
			48 = 48.4"	28 IND = 27.8W / Integral (120/277VAC Non Dim)		Flood		E83047				
			60 = 60.2"	37 IND = 37W / Integral (120/277VAC Non Dim)		WW = Wall Washer						

¹ See page 2





Rubber 2D Side Bend









General: Rubber is a broad family of flexible lighting fixtures created to resolve even the most challenging architectural details and applications (columns, curved walls), both indoor and outdoor. Rubber is available in multiple solutions: from a 3D version with a diffused output that bends in every direction, to 2D and 2D Mini (only 0.2" wide) options that bend sideways, to get to the unique 3D Optic.

3D Optic has dedicated optics every inch which make this 360° bendable product a real lighting machine, unique in its category and with an unprecedented attention to its design and look.

Fixture Body: Polyurethane resin blended into a PVC flexible channel. Rubber 2D is Side Bend only (Min. Bending Radius 9.9").

Mounting/Casing: Multiple mounting solutions available: straight PVC or Aluminum channels and mounting clips with or without wireway; articulated channel to follow any shape the product is bent to.

Drive-over: Walk-Over only.

Dimensions/Weight: 39.3" (0.61 lbs) – 196.9" (3.01 lbs)

Driver: Remote, 24V DC Dimmable 0-10V or Non-Dim.

Wattages: 3 W/ft. Individual fixture wattage: 10W (39.3") - 50W (196.9")

Cable: Fixture comes with 0.82' of cable (Power cable required, ordered separately).

IP rating: IP67 for temporary flooding up to 3.28' depth for up to a maximum of 30 mins.

IK rating: IK 08

ETL Certification: ETL, wet location

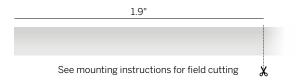
Optics: Fixed, diffused.

Color temperatures: 2700K - 3000K - 4000K.

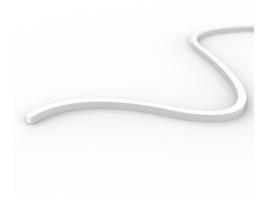
CRI: 80+

Lumen Maintenance: L70 projections tested at Tj 65° C and Ta 25°.

Warranty: 5-year Limited Warranty on fixtures. 1-year Limited Warranty on Remote Drivers.







Delivered Lumens*	3.9"	197"	lm/ft
GE	472	2360	144

*Values	shown	for	3000k

Ordering Information							(Require	(Required) ³		
RUB	WH	2DS		3 - CV		GE				
Product	Trim/Finish	Туре	Length	Wattage/Operation	Color Temp	Optic	+	Profile	Cable	Driver
RUB = Rubber	WH = White Finish	2DS = 2D (Side Bend)	39 = 39.3" 197 = 196.9"	3 CV = 3W/ft / Remote Constant Voltage 24V DC	27 = 2700K 30 = 3000K 40 = 4000K	GE = General Illumination		E99549 E83034 E9953 <u>6</u> E99537	E99688 E99689	OT96-D010 OT96-JBX LUT96-L3D0

³ See page 2





Application

Portable LED luminaires for the private home and garden. These unshielded luminaires create a pleasant light effect and are provided with an earth spike for portability.

Materials

Luminaire housing constructed of reinforced polyamide with earth spike Three-ply opal glass with screw neck High temperature silicone gasket

 $\mbox{\bf NRTL}$ listed to North American Standards, suitable for wet locations Protection class IP 65

Weight: 2.6 lbs

Electrical

Operating voltage Magnetic 12V AC
Minimum start temperature -40° C
LED module wattage 1.9 W
System wattage 2.5 W
Color rendering index Ra > 80

Luminaire lumens 245 lumens (3000K) LED service life (L70) 60,000 hours

LED color temperature

4000K - Product number + **K4** 3500K - Product number + **K35** 3000K - Product number + **K3** 2700K - Product number + **K27** Amber - Product number + **AMB**

Wildlife friendly amber LED - Optional

Luminaire is optionally available with a narrow bandwidth, amber LED source (585-600nm) approved by the FWC. This light output is suggested for use within close proximity to sea turtle nesting and hatching habitats. Electrical and control information may vary from standard luminaire.

LED module wattage 2.1 W (Amber)
System wattage 2.9 W (Amber)
Luminaire lumens 92 lumens (Amber)

BEGA can supply you with suitable LED replacement modules for up to 20 years after the purchase of LED luminaires - see website for details

Finish

Synthetic housing provided in standard BEGA Graphite. Custom colors not available.



Garden luminaire with earth spike							
	LED	Α	В	С			
55 030	1.9W	57/0	101/6	75/。			

BEGA 1000 BEGA Way, Carpinteria, CA 93013 (805) 684-0533 info@bega-us.com

Due to the dynamic nature of lighting products and the associated technologies, luminaire data on this sheet is subject to change at the discretion of BEGA North America. For the most current technical data, please refer to bega-us.com © copyright BEGA 2018

Updated 03/19/19

Type:

BEGA Product:

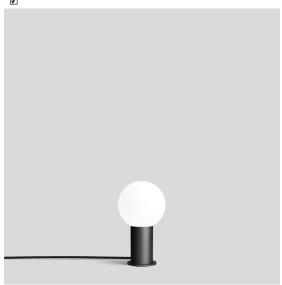
Project:

Modified:

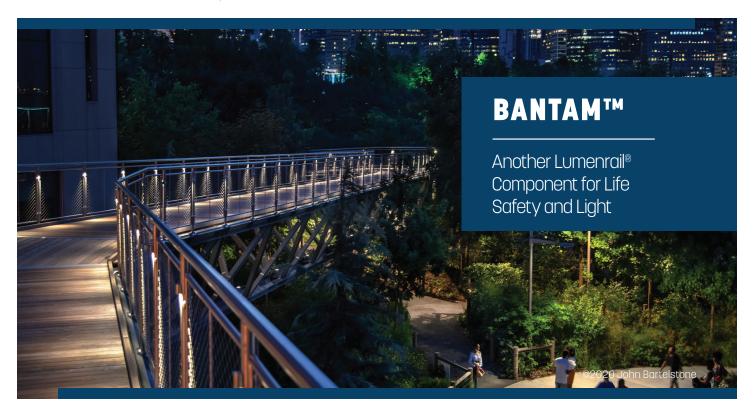
Available Accessories

536 300VA 12AC Transformer

See individual accessory spec sheet for details.







POST SURFACE LUMINAIRE

This post mount luminaire is designed for wall grazing and pathway illumination with mounting options for railings, walls, decks and entry structures. Superior harsh environment protection and vandal resistance are combined with a simple field or factory prepared installation using included 316 stainless steel hardware.

The Bantam provides an inconspicious architectural solution for new or retrofit applications and egress compliance opportunities.



Specifications subject to change without notice. Verify data at time of order.

- Solid machined 316 stainless steel
- 116 lumens per watt LED (500mA)
- 70° beam spread @ 10° above nadir
- 5 IES file supported optic distributions
- IK10 impact rating
- 24VDC operation
- ETL wet location listed
- IP67 ingress protection
- Standard in 2700 K, 3000 K and 4000 K
- 4 CCT whites and solid colors available
- Round or flat post mounting options

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BANTAM™

Another Lumenrail® Component for Life Safety and Light

PROJECT NAME:		
REP AGENCY:		
APPROX. LINEAR FT:		
SERVICE OPTIONS: ☐ Field Measure	□ Job Site Support	☐ System Installation





SCAN OR CODE for technical information, downloads and instructions.

PART NUMBER BUILDER

LULF30K705XTR **EXAMPLE**

options may require

additonal leadtime

FIXTURE TYPE * Indicates stock, other LULF- Lumenpod 16 **COLOR TEMP**

*27K- 2700 K BLU- Blue *30K- 3000 K GRN- Green *40K-4000 K RED- Red **50K**- 5000 K AMB- Amber

16-16° heam 23-23° beam **46**- 46° beam *70- 70° beam 94-94° beam

OPTIC

*5-22W @ 500 mA *3-1.7W @ 350 mA

Extended life 100,000HR version requires 350 mA

DRIVE CURRENT

BANTAM

XTR- Machined 316 SS, postmount housing XTF- Machined 316 SS, flat surface-mount housing

ELECTRICAL SPECIFICATIONS



electrician in accordance with all national, state and local electrical codes.

24VDC INPUT VOLTAGE

Light Engine

LULF

CLASS 2 REOUIRED DRIVER

ETL LISTED WET, IK10, IP67, CE **CERTIFICATIONS**

5 YEARS WARRANTY 0-10V INPUT

DIMMING

UP TO 116 LM/W LED

EFFICIENCY

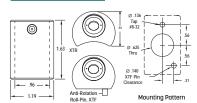
-40°F T0 +120°F

OPERATING TEMP

80+ **CRI**

8" WIRE **LENGTH**

CONSTRUCTION



Bantam is solid machined 316 stainless steel with security hardware and is available for flat or round, 1.50"-1.90" diameter, surface mounting.

PHOTOMETRICS



Bantam is designed with an inherent 10° bias above nadir. This asymmetric feature projects the output from the mounting surface towards the path. Scan QR code or visit our website to view or download available IES reports.

LUMENGEAR™ LED DRIVER & NEMA ENCLOSURE OPTIONS

Wagner offers multiple ETL listed options for both 24VDC power supplies and NEMA enclosures. Quantities and types will be configured based on your specifications and design. Additional specification options are available by request. Not all options apply to all products, please verify compatibility with the factory.

CLASS II DRIVERS:

- STD 100W
- Dali, DMX, 0-10V Dimming Protocols
- Multiple Wattages
- Made in USA Units Available

NEMA ENCLOSURES:

4X - Polycarbonate

4X - Painted Steel

4X - Stainless Steel

Specifications subject to change without notice. Verify data at time of order.







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Aura Illuminated Wooden Ring Pendant



FIXTURE TYPE:	
PROJECT NAME:	



Solid wood exterior/interior LED round pendant.

FEATURES:

- Available in 2' to 12' diameters
- >90CRI smooth, dot free illumination
- Dimmable outdoor rated power supply and IP67 luminaire
- Catenary cable, ceiling, and wall mounting options

SPECIFICATIONS:

HOUSING: Solid Accoya wood linear assembled through glulam construction and precision machined using CNC technology. Adhesive complies with ASTM D-2559 glulam construction specifications for extreme exposed weather conditions, waterproof, and rated for wet or dry use exposure.

ELECTRICAL: Powered by a standalone Q-Tran QZ, 120-277VAC primary/24VDC secondary outdoor rated remote dimmable power supply. Power supply features built-in short circuit protection, over load protection, and over temperature protection. System is forward phase, reverse phase, and 1-10V dimming. Consult factory for other driver options. Catenary mounted fixtures supplied with 1' infeed cable. A 40' leader cable supplied with infeed only fixtures. Ceiling canopy mounted fixtures supplied with 6' infeed cable. Operating temperature of -13°F to 125°F SO, 115°F MO, and 108°F HO.

OPTICAL SYSTEM: Available in 2700K, 3000K, 3500K, 4000K color temperatures with smooth, dot free illumination.

FINISHES AND MATERIALS: Wood is finished with a low VOC waterborne matte exterior finish containing UV and mildew inhibitors. <u>Care and Maintenance</u>



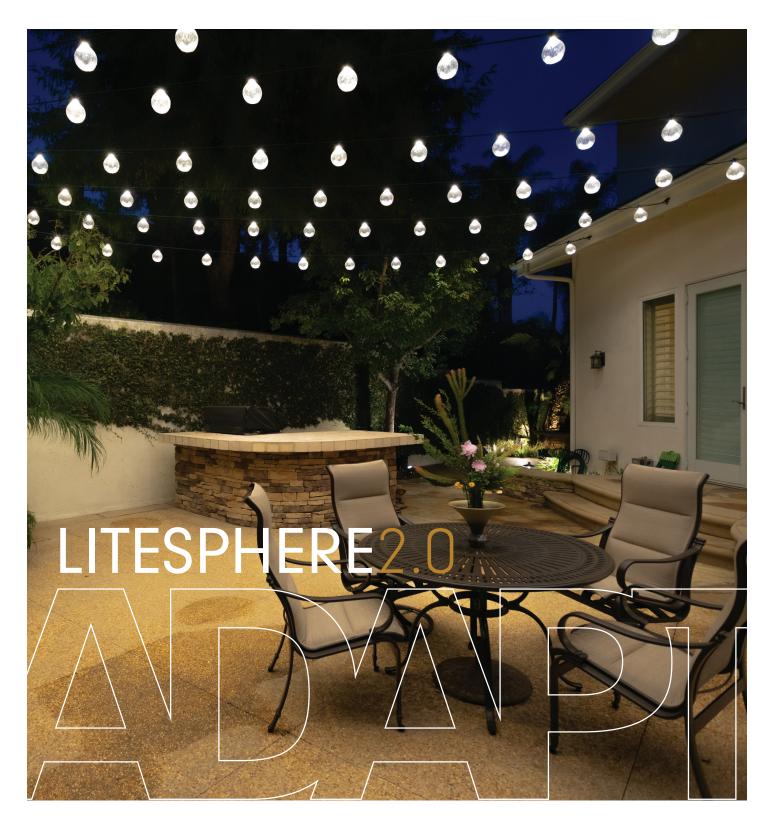
HARDWARE: All fasteners and non-wood components are stainless steel unless otherwise noted.

LISTINGS & RATINGS: Luminaire CSA listed according to CSA C22.2 No. 250.0-18/UL Standard 1598 and UL Standard 2108. Suitable for wet locations. LM-80 test calculated L70 > 40,000 hours. Luminaire not to be installed in chlorinated environment.

WARRANTY: 25-year wood warranty with a 2-year finish warranty. 3-year warranty on LED and driver.

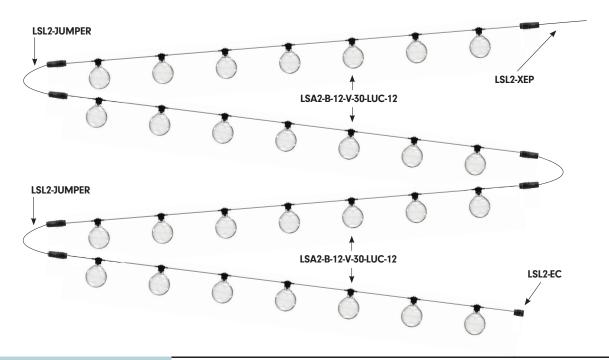
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System Configuration Example



Strand Order Guide

Note: For suspension application, a catenary cable is required for proper installation. Please contact Tivoli for recommendations on unique mounting applications.

Product		Wire		Spacing			LED Type			LED Color			Globe			Light Shade*			Voltage		
LSA2	-		-			-		V	-			-]-[-		12	
Litesphere	В	Black	_	12	12" OC	-	٧	' ' '		19	1900K	-	ANA	Ana	_	Υ	Yes		12	12V DC	-
ADAPT 2.0	W	White**		18	18" OC			Output		27	2700K		VIC**	Victoria		Ν	No				
				24	24" OC					30	3000K		GAB	Gaby							
				36	36" OC					35	3500K		BRE	Brenda							
				48	48" OC					40	4000K		LAU**	Laura							
										50	5000K		GIN	Gina							
										AM	Amber		ANG	Angela							
										RB	Royal Blue		KAT	Katie							
										RD	Red		SUS**	Susan							
										GN	Green		TON**	Toni							
										YL	Yellow		LUC**	Lucia							
													CG**	Varied Globes							

 $^{^{\}star}$ Light Shade are optional. Consult factory for lead time and available style and sizes - see page 13

Tivoli, LLC. reserves the right to modify this specification without prior notice.

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www.tivolilighting.com tel: 714-957-6101 fax: 714-427-3458

^{**}Consult Factory for MOQ and Lead Time.

ORMA Trimless Flush Optics





General: Orma is a compact and shallow family of round LED in-grades suitable to illuminate outdoor architectural elements such as facades, columns as well as landscape and pathway lighting.

The overall depth of roughly 3" including the housing makes it one of the most compact fixtures on the market. The new trimless version combines style and performance in a package that includes multiple beam spreads, color temperatures, the choice to use Constant Current or Constant Voltage and new housings for either concrete or tile applications. Orma' special optics like Blade (spreading light 180°).

Fixture Body: Die-Cast Aluminum 6060, anodized black (15 µm)

Trim: Trimless. Extra clear glass - Tempered

Mounting/Housing: Black, ABS housings available for both Concrete or Tile Flush installation.

Drive-over: Up to 4,409 lbs.

Dimension/Weight: 0.9" (0.2 lbs) – 2.2" (0.44 lbs) – 3.43" (1.1 lbs) – 5.0" (1.98 lbs)

Driver: Remote, 120-277V Dimmable 0-10V or Non-Dim. Available in both Constant Current (CC) and Constant Voltage (CV) to leave flexibility of installation.

CC features: Less susceptible to voltage drop (exceeding 32' distance); Allows for dimming down to 0.1%; Fixtures need to be wired in series.

CV features: Possibility to use higher wattage drivers and feed multiple fixtures with less drivers; fixtures need to be wired in parallel.

Wattages (CC/CV): 1W/1.5W (0.9") – 4W/5W (2.2") – 8W/9W (3.4") – 12W (5.0")

Cable: Fixture comes with 3.28' of power cable and built-in Aquastop® (anti-wicking) system.

IP rating: IP68 for temporary submersion up to 15' depth for up to a maximum of 90 mins.

IK rating: IK 10

ETL Certification: ETL, Wet location

Optics: Fixed or Adjustable (optic adjustability from side of fixture, which avoids having to open the trim). Available in Spot – Flood – Wide Flood – Elliptical. Some variants can also mount Honeycomb and Anti-glare (Dark Light) accessories.

Color temperatures: 2700K - 3000K - 4000K.

CRI: 80+

Lumen Maintenance: L70 projections tested at Tj 65° C and Ta 25°.

Warranty: 5-year Limited Warranty on fixtures. 1-year Limited Warranty on Remote Drivers.



0.9" 1W C.C.



0.9" 1.5W C.V.



2.2" 4W C.C. / 5W C.V.



3.4" 8W C.C. / 9W C.V.



5.0" 12W C.C.

Delivered Lumens*	0.9"	2.2"	3.4"	5"
SP	-	363	718	1432
SP	92	-	_	-
FL	76	288	719	1366
WFL	92	282	715	1320
EL	_	335	_	_

^{*}Values shown for 3000K

Ordering Information								(Required) ⁴				
OR	TL											
Product	Trim	Туре	Diameter	Wattage/Operation	Color Temp	Optic	+	Housing	Driver			
OR = ORMA	TL = Trimless	F = Fixed FHC = Fixed HoneyComb ¹	09 = 0.9"	1 CC = 1W / Constant Current (350mA) 1.5 CV = 1.5W / Constant Voltage (24VDC)	27 = 2700K 30 = 3000K	SP = Spot FL = Flood		E99925 (0.9") E83036 (0.9", CC)	CC: ECO30W-XXX			
	Flush	A = Adj. ¹ AHC = Adj. HoneyComb ²	22 = 2.2"	4 CC = 4W / Constant Current (350mA) 5 CV = 5W / Constant Voltage (24VDC)	40 = 4000K	WFE=Wide Flood FL = Fliintical3	=	E83037 (0.9", CV) E99922 (2.2") E83038 (2.2")	SOLO50₩-XXX SOLO100W-XXX			
			34 = 3.4"	8 CC = 8W / Constant Current (220mA) 9 CV = 9W / Constant Voltage (24VDC)		LL – Liliptical		E99923 (3.4") E83039 (3.4")	CV: OT96-D010			
			50 = 5.0"	12 CC = 12W / Constant Current (350mA)				E99924 (5.0") E83040 (5.0")	OT96-JBX			

¹ Not available 0.9"

3 2.2" fixed only

⁴ See page 2



410 381 1497 inter-lux.com answers@inter-lux.com Inter-lux reserves the right to make technical changes without notice.



² Not available 0.9" and 2.2'