

Historic Preservation Board

Wednesday, April 19, 2023 at 5:00 PM
Via Zoom



MEMBERS

Robert O'Brien, Chair
Julia Tate, Vice Chair
Hilary Bassett
Brad Miller
Jeffrey Talka
Rob Whitten

REMOTE PARTICIPATION:

The Historic Preservation Board will conduct this meeting remotely via Zoom pursuant to the Remote Meeting Policy adopted by the Board. Allow your computer to install the free Zoom app to get the best meeting experience. If you are not able to attend live either in person or via Zoom, a recording will be available in the [Agenda Center](#) following the meeting.

For public comment via Zoom, you will need to use the "raise your hand" feature. To raise your hand via the telephone, please hit *9. You will be unmuted by the host when it is time for public comment.

You are invited to a Zoom webinar.

When: Apr 19, 2023 05:00 PM Eastern Time (US and Canada)

Topic: Historic Preservation Public Hearing and Workshop 4/19/2023

Please click the link below to join the webinar:

<https://portlandmaine-gov.zoom.us/j/83602908218>

Or One tap mobile :

US: +16469313860,,83602908218# or +19292056099,,83602908218#

Or Telephone:

Dial(for higher quality, dial a number based on your current location):

US: +1 646 931 3860 or +1 929 205 6099 or +1 301 715 8592 or +1 305 224 1968 or +1 309 205 3325 or +1 312 626 6799 or +1 564 217 2000 or +1 669 444 9171 or +1 669 900 6833 or +1 689 278 1000 or +1 719 359 4580 or +1 253 205 0468 or +1 253 215 8782 or +1 346 248 7799 or +1 360 209 5623 or +1 386 347 5053 or +1 507 473 4847

Webinar ID: 836 0290 8218

International numbers available: <https://portlandmaine-gov.zoom.us/j/83602908218>

PUBLIC COMMENT INFORMATION:

To submit written public comment on an agenda item, email hp@portlandmaine.gov. Submissions must be received by 12:00 pm **the day before** the Historic Preservation Board meeting to guarantee their inclusion in the agenda packet. All submissions must include the commenter's name and legal address. To help ensure your comment is submitted for the correct item, please include the name of the agenda item (see below).

Please note that the placement of each item on the agenda is subject to change. Please check the [Agenda Center](#) prior to the meeting for the item start time.

AGENDA:

1. **ROLL CALL AND DECLARATION OF QUORUM**
2. **REPORT OF ATTENDANCE AT THE MEETING HELD ON APRIL 5, 2023**
 - i. **WORKSHOP**
58 Fore Street - Block 4: *Basset, Miller, O'Brien, Talka, Tate, Whitten present.*
58 Fore Street - Block 6: *Basset, Miller, O'Brien, Talka, Tate, Whitten present.*

3. REPORTS OF DECISIONS AT THE MEETING HELD ON APRIL 5, 2023

- i. No Public Hearing on this date.

4. COMMUNICATION AND REPORTS

5. WORKSHOP

- i. Preliminary Review of Revised Design Proposal for New Construction, 76 Congress Street (site of former St. Lawrence Church sanctuary); Friends of the St. Lawrence Church, Applicant. A project and plan summary are available for viewing on the city's CSS Portal (<https://ccs.portlandmaine.gov/>) by referencing Plan Number HPBR-002025-2022.

6. PUBLIC HEARING

- i. Public Hearing for adoption of revised Remote Participation Policy of the Historic Preservation Board.

**STAFF MEMORANDUM
HISTORIC PRESERVATION PROGRAM
PLANNING AND URBAN DEVELOPMENT**



TO: Chair O'Brien and Members of the Historic Preservation Board
FROM: Evan R. Schueckler, Historic Preservation Program Manager
DATE: April 14, 2023
RE: 76 Congress Street – 6th Workshop – Revised Design Proposal for Performing Arts Center Addition
PROJECT ID: HPBR-002025-2022
MEETING: April 19, 2023

Owner: Friends of St. Lawrence Church/St. Lawrence Arts
Architect: David Lloyd, Archetype Architects

A sign announcing the Historic Preservation Board's meeting on April 19, 2023 was posted at the property on April 6, 2023. A legal ad was published in the Portland Press Herald on April 7, 2023 and April 8, 2023, and 53 notices were sent to neighboring property owners within 100 feet of the subject property.

PROJECT SCOPE

Construct four-story addition with partial basement to historic Parish Hall of former St. Lawrence Church. Addition to contain 400-seat theatre along with 200-person capacity "Promenade Room" and supporting spaces such as a lobby, bar, and back-stage. Structure is proposed to be clad in granite, backlit perforated metal screen, and glazing. The new theatre will have its main entrance off of Congress Street through an open porch, with a significant frontage along Munjoy Street including the back-stage loading entrance. The addition will connect with the historic Parish Hall in the same area of the former, now demolished, sanctuary.

SUMMARY OF HISTORIC CONTEXT

The St. Lawrence Congregational Church Sanctuary and Parish Hall were constructed in 1897 in a blend of the Romanesque Revival and Queen Anne Styles, following the designs of New York architect, Arthur B. Jennings. The complex was constructed out of primarily rough-faced grey granite accented by a similarly-finished pink granite at string courses and around windows. Above the granite walls, the structures featured large areas of slate wall and roof trimmed in elaborate wood moldings. The window openings were large and filled with stained-glass set-in Romanesque wooden tracery. Both structures featured complex massings with a proliferation of gables, finials, and two prominent round towers at the corner of Congress and Munjoy Streets.



Figure 1: The now demolished St. Lawrence Church at 76 Congress Street around 1897, the year of dedication. Image from Maine Memory Network.

The complex was listed on the National Register of Historic Places in 1979 by members of the dwindling congregation; however, in 1986 the complex was deconsecrated and sold into private ownership. In 1990, the complex was designated as a local individual Landmark. Shortly thereafter in 1993, the property was purchased by Deirdre Nice with the vision of rehabilitating the Sanctuary and Parish Hall into a performing arts and community center. In 1996, Friends of St. Lawrence Church, the current owners, was established and took ownership of the property beginning rehabilitation of the Parish Hall. Rehabilitation work continued into the early 2000s with the first production being held in the Parish Hall theatre in May 2001.

In 2006, the Friends of St. Lawrence Church turned their attention to the Sanctuary; however, as plans were being developed for its rehabilitation into a theatre space, it was determined that the structure had deteriorated so severely over the prior decades that it could not be salvaged. In 2008, the condition of the Sanctuary was reviewed by the Historic Preservation Board and the structure was approved for demolition, which took place that year.

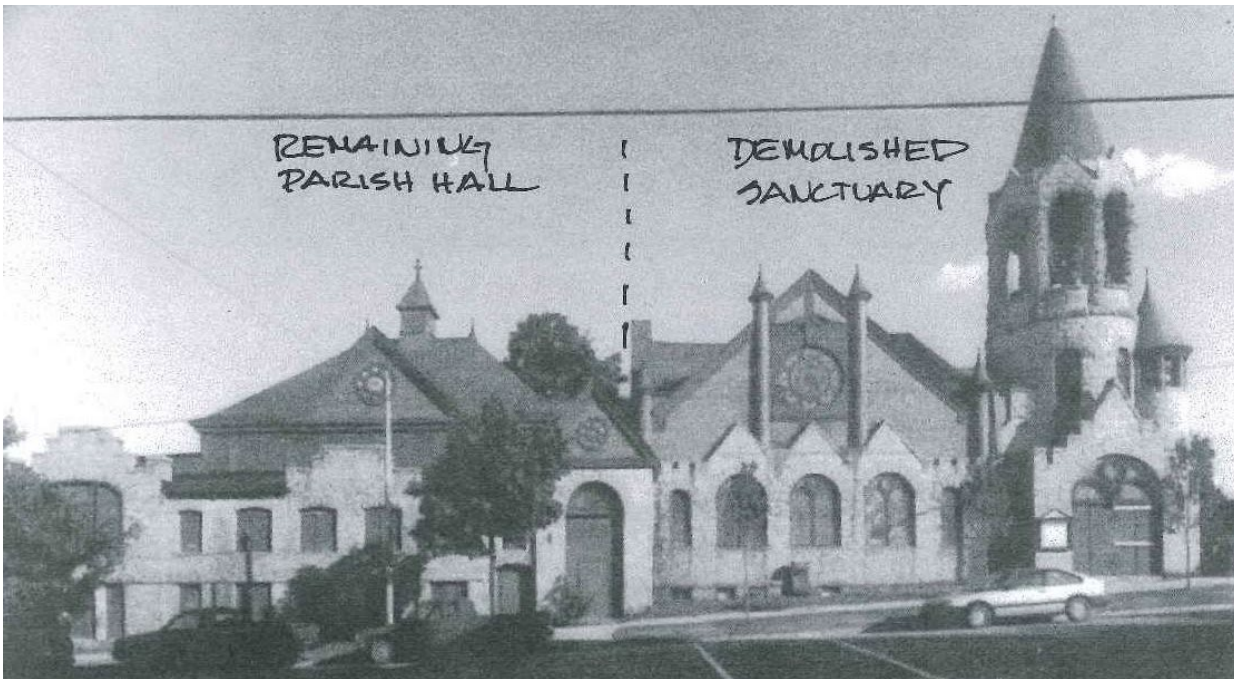


Figure 2: St. Lawrence Church showing the Sanctuary (demolished in 2008) and area of the Parish Hall (extant), now St. Lawrence Arts. Image from December 5, 2012 Historic Preservation Board Packet (attachment 2).

In 2010, the Friends of St. Lawrence moved forward with plans to reconstruct the Sanctuary around a modern theatre with review and approval by the Historic Preservation Board. However, as the project was further developed, it was determined that reconstruction of the Sanctuary would be prohibitively expensive. The decision was made by the Friends of St. Lawrence to instead pursue construction of a new theatre structure on the site of the Sanctuary with a contemporary design. Between 2012 and 2014, the Historic Preservation Board held four workshops for the project.

In 2010 the Friends of St. Lawrence received approval of a Conditional Zone Agreement from City Council, later amended in 2014 and valid for a period of ten years. In 2017 they received approval of a Major Site Plan from the Planning Board. The Site Plan Approval has since expired and the applicant is in the process of returning to the Planning Board for reapproval of the Site Plan application.

Since 2014, the site has also been incorporated into the Munjoy Hill Historic District, which was designated in 2021, retaining its Individual Landmark designation as well. As can be seen in the map below, the entirety of the Munjoy Street elevation, the whole side elevation off of Munjoy Street, and a portion of the Congress Street elevation follow the district boundary. About half of the Congress Street elevation of the new structure, the side elevation off of Congress Street, and the entirety of the Parish Hall are contained within the Munjoy Hill Historic District Boundary.

Munjoy Hill Historic District

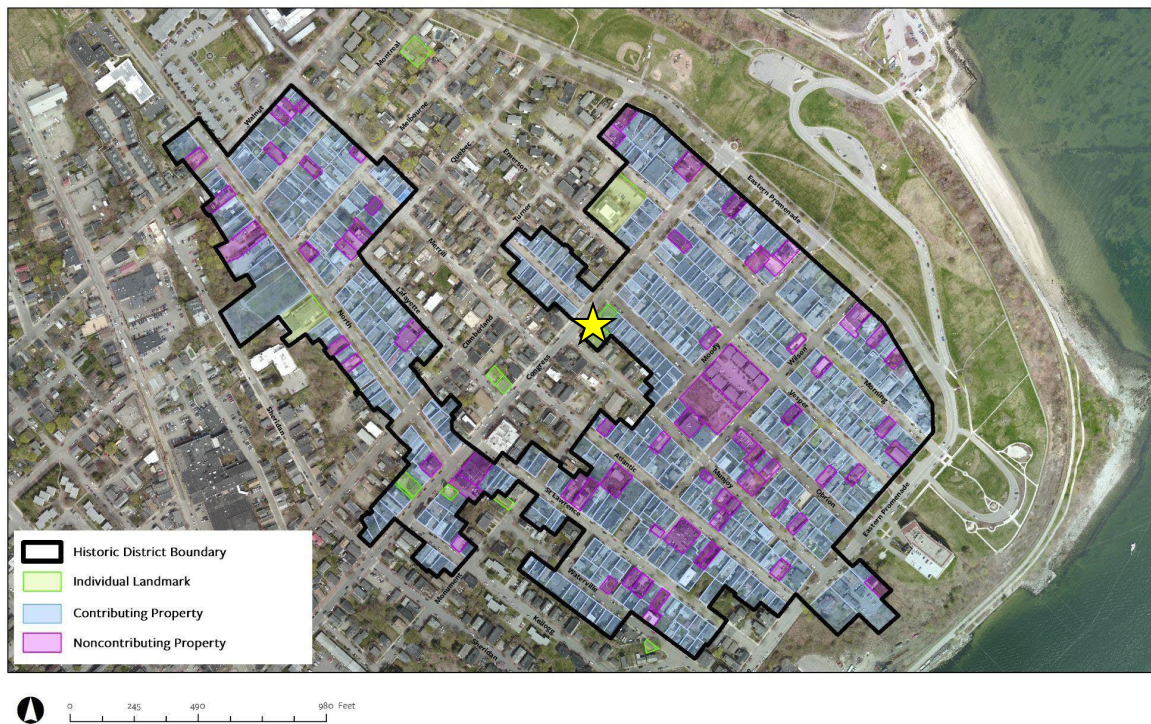


Figure 3: Map of the Munjoy Hill Historic District showing location of 76 Congress Street with a yellow star.

While it is worth noting the creation of the historic district around the St. Lawrence Church site, it should have minimal impact on the Board's review. Given the site's designation as an Individual Landmark, the proposed structure is considered an addition to the historic structure of the Parish Hall. Previous staff comments and Board deliberations generally looked to the Parish Hall and the now-demolished Sanctuary as the source material for compatibility. While typically additions to historic structures would want to be more deferential in respecting the scale of the historic structure, the Board had discussed some special allowances for the scale of the proposed addition in this case. Given its proposed programming and that it is a replacement structure for the Sanctuary, which was the primary structure of the historic church complex, the Board had not found that the scale of the new theatre addition should exactly match that of the Parish hall. The Board provided early recommendations that the overall scale and form of the structure could be reduced to show respect for the surrounding residential character, recommendations which were incorporated into the design.

PREVIOUS REVIEWS BY HISTORIC PRESERVATION BOARD

As has been mentioned above, the Board should note that this project went through four prior Workshops between December 5, 2012 & November 5, 2014. After a long gap, the project returned to the Board for a workshop on September 7, 2022:

September 7, 2022, Workshop:

During the September 7 workshop, the Board provided generally favorable feedback towards the proposal, though there was some discussion of how the project was returning after a long hiatus with little development or updating of the design, which the applicant acknowledged. In addition, the Board raised several questions about detail elements of the design that had previously been flagged for further refinement or exploration including the materiality and color of the perforated metal screen, the color and texture of the granite, lighting details, and the connection between the proposed theatre and the existing historic Parish hall.

Regarding the perforated metal screen, the applicant had indicated that they were still exploring the texture and color of the perforated metal screen. There was some suggestion of using a copper or copper-colored screen that might eventually patinate into more of a dull gray or green and would have some natural variety. The applicant noted that the exact design or layout of the perforations was still under development.

Regarding the granite, the applicant had noted that they intended to use a gray granite that would match with the granite of the historic Parish House. Some Board members commented on whether the applicant had considered incorporating any of the pink granite used as an accent on the historic structure. The applicant confirmed that they felt that might be overcomplicated given the more contemporary design of the theatre. Several Board members also commented on the potential for differing granite textures or finishes as an opportunity for creating some contrast with the historic structure.

The applicant provided some explanation of the intended lighting plan, explaining that the goal was to achieve a soft glow created behind the perforated metal screen, giving a “paper lantern” effect for the structure. The intention is that the area would be lit for performances and special events. Board members requested that additional information be provided to better understand how the effect would be achieved and its visual impact.

Board members also inquired about the condition of the Parish Hall’s exterior wall where it had historically been connected to the Sanctuary. The applicant explained that the exterior wall was formerly interior plaster over a rubble wall, and that after the sanctuary was torn down, the plaster was covered with a corrugated metal siding as a temporary cover. Board members expressed that additional information should be provided about the current condition, and details provided about how the area of the addition would be treated to ensure that historic fabric is treated sensitively.

STAFF COMMENTS ON CURRENT PROPOSAL



Figure 4: Rendering of proposal from September 7, 2022, looking from across Congress Street.



Figure 5: Rendering of proposal from September 7, 2022, looking from across Munjoy Street.

Since the September 7 workshop, the applicant has made a few adjustments to the design of the proposed structure, but has primarily provided additional information for the Board's review.

The primary changes to the design of the structure are that the arbor/pergola at the top floor "Promenade Room" has been eliminated from the project. The pergola structure was one of the elements that had been called out by the Board in previous reviews as needing additional design detail and consideration. Additionally, the corner tower had previously been proposed to have a small fold or kink in its plane to add movement and visual interest. This has since

been eliminated and the applicant is not proposing to include integral signage on both the Congress Street and Munjoy Street elevations of the tower to ensure ample visibility of the building signage. The design has also been revised to include an area and screening for mechanical equipment at the rear of the top floor.



Figure 6: Perspective view of proposed structure from across Congress and Munjoy Streets.

The applicant has provided additional information on the proposed lighting. This includes a narrative statement from the lighting designer along with elevations labeling where lighting will be included at the exterior façade, preliminary details showing how the lighting will be installed behind the perforated metal screen, and cut sheets for proposed light fixtures.

They have also included product information and images relating to the green walls that are proposed to be installed along Munjoy Street.

Additionally, the submission materials include images of the proposed granite, perforated metal screening, and a sample of a weathered steel. The granite is a gray granite chosen to match the gray granite of the historic parish hall after cleaning, though there are not yet images showing the closeness of the match included in the application. Additionally, the application should provide information on the finish of the granite prior to the public hearing such as whether it will be rough-faced, honed, or polished (among other textures), each of which would have distinct impacts on the appearance of the stone. The metal screen is proposed to be a weathered steel, which will have a rusty, reddish brown color with some variety. Staff would encourage the Board to discuss the compatibility of the gray granite and reddish/brown metal with the polychromatic exterior of the Parish Hall, which features gray and pink granite, dark gray slate, and patinated copper along with stained glass windows.

The applicant has also provided some construction details, including connections between the existing Parish Hall. The applicant provided several axonometric views of the proposed structure; however, additional clarity is still needed as to the extent to which the new structure will connect to the historic structure. If the connection will be limited to the first floor (as appears to be shown in the floor plans), then the applicant will need to provide information on how the exterior of the Parish Hall will be treated where the Sanctuary historically connected to it. Additional information is still needed on treatment of this area of the building.

ANALYSIS OF APPLICABLE REVIEW STANDARDS

Standards for Review of New Construction, 17.8.3:

Standard A. Scale and Form	
<u>1. Height</u>	
The proposed height shall be visually compatible with surrounding structures when viewed from any street or open space and in compliance with any design guidelines.	
Standard Met?	Staff Comments
Yes	The proposed structure will be taller than the historic Parish hall, and taller than most structures found within the Munjoy Hill Historic District. However, its overall scale in relationship to the former Sanctuary and some of the larger structures throughout the district (such as the former Emerson School or some four-story mixed-use structures) is not outside of historic precedents.
<u>2. Width</u>	
The width of a building shall be visually compatible with surrounding structures when viewed from any street or open space and in compliance with any design guidelines.	
Standard Met?	Staff Comments
Yes	The width of the proposed structure is greater than typical of most residential buildings in the Munjoy Hill District. However, this is not a residential building and is not expected to have the form of one, and the width is compatible with, and even slightly less than the width of the historic Parish Hall.

3. Proportion of principal facades	
The relationship of the width to the height of the principal elevations shall be visually compatible with structures, public ways, and open spaces to which it is visually related.	
Standard Met?	Staff Comments
Yes	The proposed structure is wider and more horizontal than typical structures found throughout the Munjoy Hill Historic District, but as noted above, this structure is not expected to be designed as a residential structure. Its horizontality is compatible with the Parish Hall. The vertical corner element is also compatible with the form of the demolished sanctuary, though that verticality could be accentuated further.
4. Roof shapes	
The roof shape of a structure shall be visually compatible with the structures to which it is visually related.	
Standard Met?	Staff Comments
Yes	The proposed structure will have a flat roof, which is quite distinct from the sloped hip and gable roofs of the Parish Hall. However, the structure does have a more complicated and broken up massing which relates visually to the more complicated massing and multiple roofs of the Parish hall. Additionally, flat roofs are quite common throughout the Munjoy Hill Historic District.
5. Scale of a structure	
The size and mass of structures in relation to open spaces, windows, door openings, porches, and balconies shall be visually compatible with the structures, public ways, and places to which they are visually related.	
Standard Met?	Staff Comments
Yes	The overall scale and broken-up massing of the proposed structure, as well as its use of punched openings and use of a large, open entrance are visually compatible with the historic Parish Hall and demolished Sanctuary.

Standard B. Composition of Principle Facades	
1. Proportion of openings	
The relationship of the width to height of windows and doors shall be visually compatible with structures, public ways, and places to which the building is visually related.	
Standard Met?	Staff Comments
Yes	Openings on the proposed structure have a generally vertical orientation with some larger groupings of openings at the first floor, as is also seen on the Parish Hall.

<u>2. Rhythm of solids to voids in facades</u> The relationship of solids to voids in the façade of a structure shall be visually compatible with structures, public ways, and places to which it is visually related.	
Standard Met?	Staff Comments
Yes	While the overall façade of the structure is much more solid than the parish Hall, the articulation at the masonry portions of the façade provides a strong visual reference to the Parish hall and Sanctuary.
<u>3. Rhythm of entrance porch and other projections</u> The relationship of entrances and other projections to sidewalks shall be visually compatible with the structures, public ways, and places to which they are visually related.	
Standard Met?	Staff Comments
Yes	The rhythm of the entrance porch along Congress Street, vertical corner tower, and broken-up projections along Munjoy Street relate the adjacent structures, providing a compatible relationship to neighboring structures.
<u>4. Relationship of materials</u> The relationship of the color and texture of materials (other than paint color) of the facade shall be visually compatible with the predominant materials used in the structures to which they are visually related.	
Standard Met?	Staff Comments
For Board Discussion	The proposed use of granite at the lower levels of the proposed structure provides a strong connection to the historic Parish Hall, though more detail about the texture of the stone is still needed, and the color of the proposed metal screen warrants additional discussion.
<u>5. Signs</u> Any new sign, and any change in the appearance of an existing sign located on a landmark, within a historic district, or within an historic landscape district, which is readily visible from any street or open space shall not be incongruous to the historic character of the landmark or district and shall comply with the criteria and guidelines specified in the Historic Resources Design Manual.	
Standard Met?	Staff Comments
Yes	While integrated signage, such as is proposed here, is not typical within the Munjoy Hill Historic District, it is something seen on cultural and institutional buildings.

Standard C. Relationship to Street	
<u>1. Walls of continuity</u> Facades and site structures, such as masonry walls, fences, and landscape masses, shall, when it is a characteristic of the area, form cohesive walls of enclosure along a street to ensure visual compatibility with the structures, public ways, and places to which such elements are visually related.	
Standard Met?	Staff Comments
Yes	The proposed structure will help to re-enclose Congress Street, recreating the missing section of street wall left by demolition of the Sanctuary. The proposed structure also continues the pattern of a fairly solid, but not uninterrupted street wall with recesses and projections that break up and add relief along Congress Street.
<u>2. Rhythm of spacing and structures on streets</u> The relationship of a structure or object to the open space between it and adjoining structures or objects shall be visually compatible with the structures, objects, public ways, and places to which it is visually related	
Standard Met?	Staff Comments
Yes	The proposed structure reinforces a pattern of a semi-solid street wall along congress street through its large façade, broken up by projections and recesses allowing points of relief between buildings.
<u>3. Directional expression of principal elevation</u> A structure shall be visually compatible with the structures, public ways, and places to which it is visually related in its directional character, whether this be vertical character, horizontal character, or nondirectional character.	
Standard Met?	Staff Comments
Yes	The proposed structure is more horizontal than typical of the surrounding context. However, its horizontality is also seen on the historic Parish hall and is accentuated by the proposed corner element, though this could be further reinforced.

Standard D. Other Standards	
<u>1. Compatible use</u> Every reasonable effort shall be made to provide a compatible use for a property which requires minimal alteration to the character defining features of the structure, object, or site and its environment or to use a property for its originally intended purpose.	
Standard Met?	Staff Comments
Yes	The historic Sanctuary and Parish Hall were constructed for community assembly uses and the proposed theatre will continue that use.

<u>2. Distinguishing original character</u> The distinguishing original qualities or character of a structure, object, or site and its environment shall not be destroyed. The alteration of any historic material or distinctive architectural features should be avoided when possible.	
Standard Met?	Staff Comments
Yes	The proposed addition will not destroy the distinguishing original character of the historic Parish Hall.
<u>4. Contemporary design</u> Contemporary design for additions to existing properties shall not be discouraged when such alterations and additions do not destroy significant cultural, historical, architectural, or archaeological materials that characterize the property. The new work shall be differentiated from the old and shall be compatible with the size, scale, material, and character of the property, neighborhood and environment.	
Standard Met?	Staff Comments
Yes	The proposed addition is clearly contemporary and clearly differentiated from the historic Parish Hall Structure.
<u>5. Additions</u> Wherever possible, new additions to structures and objects shall be undertaken in such a manner that, if such additions were to be removed in the future, the essential form and integrity of the structure would be unimpaired.	
Standard Met?	Staff Comments
For Board Discussion	At this time, Staff find that additional information should be provided to confirm that the proposed addition will be attached in a sensitive way that would retain the form and integrity of the structure if ever removed.

ATTACHMENTS

1. Project Summary & Product Information
2. Drawings
3. Lighting Summary & Product Information

ARCHETYPE ARCHITECTS

48 Union Wharf, Portland Maine 04101

207.772.6022

February 24, 2023

Evan Schueckler
Historic Preservations Program Manager
Portland City Hall
389 Congress Street
Portland, ME 04101

Dear Evan,

RE: St. Lawrence Arts now being called The Hill Arts - Second Submission

Please note the following :

1. We have placed all roof top units in the rear on the level with the promenade room fully concealed from view.
2. We have eliminated the arbor on the top floor.
3. We have included axons for board to see building connections and miscellaneous details.
4. The major exterior material is granite, perforated metal siding, Hardy Panel, green screen and aluminum windows.
5. The lighting behind the perforated screens is designed by Greg Day. The lighting behind the perforated screen will provide a grazing downlighting a light color of white and programmed with color for special events. Our plan is to evenly graze internal matte white walls with light that will be visible through holes in the perforated metal façade panels at the northwest corner (sign corner) of the building. This will be visible in a subtle way coming from both directions on Congress Street. Also, the edges of the perforations will catch the light and reflect interesting, sparkling light.(note: this will also happen with sun light during the day).

The standard light color will be warm white, 2700 kelvin. In addition, the lights can be programmed to emit any color to celebrate special events or holidays, or to represent the current production within the theater. These lights will be off during appropriate times for a residential neighborhood.

The intention is to provide 10 footcandles minimum and 20 footcandle maximum on the horizontal surface of the enclosed Entry walkway, ramp, and steps, with a minimum uniformity ratio of 3:1. There will be approximately an average of 1.25 footcandles (5.0fc max.) of spill light onto the adjacent sidewalks with no measurable light at adjacent properties.

There will also be a soft grazing light shining down on the vegetated wall segments on the Munjoy Street façade. These can be programmed to turn off when there is no vegetation if

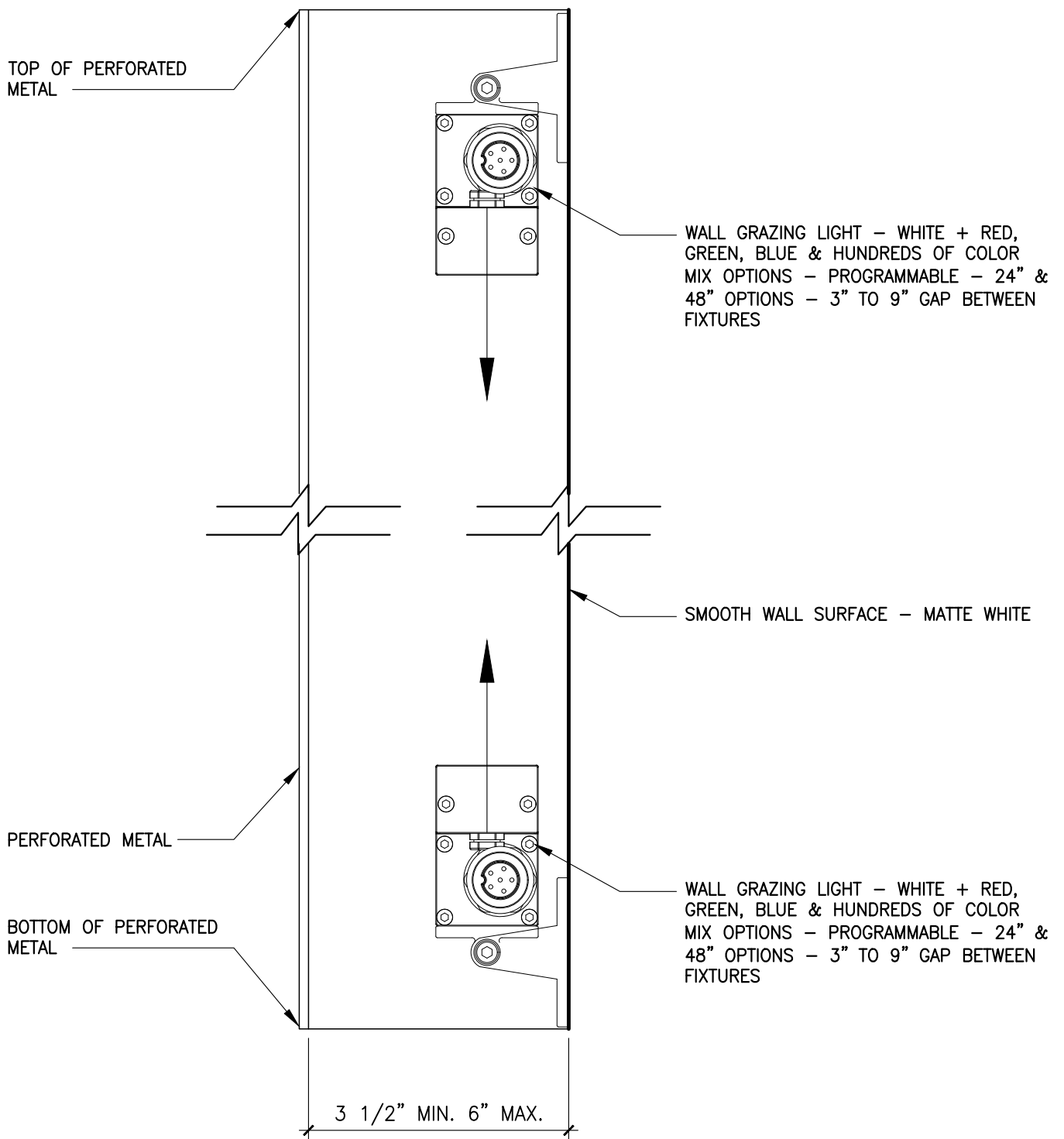
desired. These lights will also provide approximately an average of 1.25 footcandles (5.0fc max.) of light on the sidewalks with no measurable light at adjacent properties. These lights will also be off during appropriate times for a residential neighborhood.

Please email or call with any questions or concerns. We wish to be placed on the list for board review. Please note that with my physical condition, Dystonia, it is helpful if we can get on early in the evening.

Respectfully Submitted

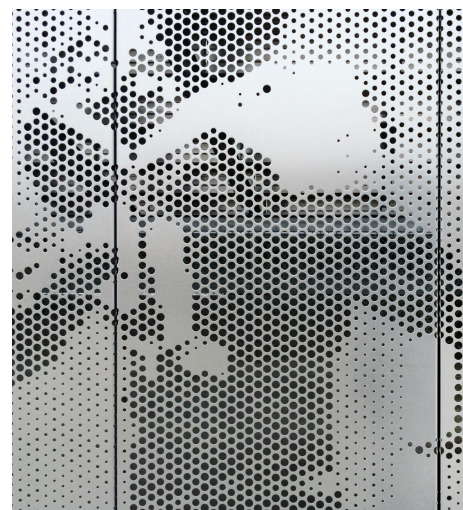
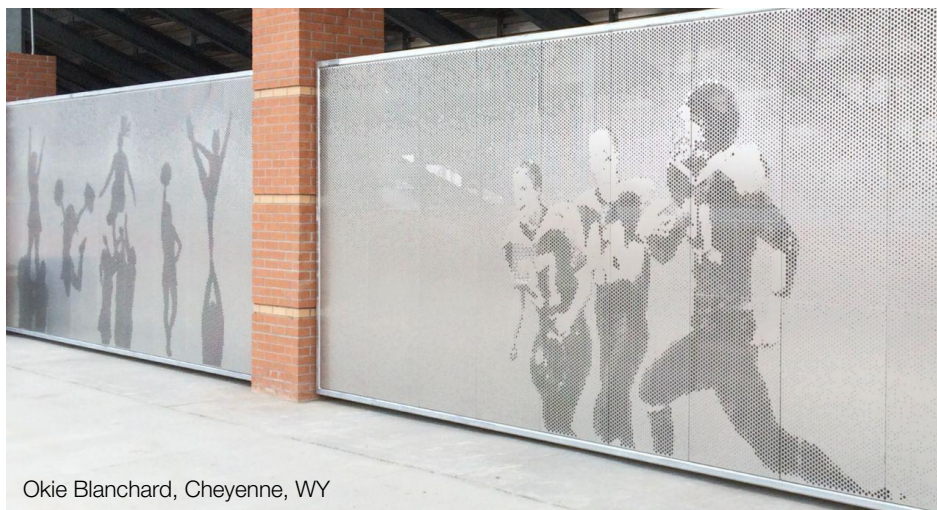
A handwritten signature in black ink, appearing to read 'David Lloyd', with a stylized, cursive flourish.

David Lloyd
Consultant to Archetype Architects



1 EXTERIOR WALL GRAZING LIGHT

Scale: 6" = 1' - 0"



Okie Blanchard, Cheyenne, WY

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Imagewall Is Available In Four Standard Configurations

Drop & Lock™ with Mullion and Anchor

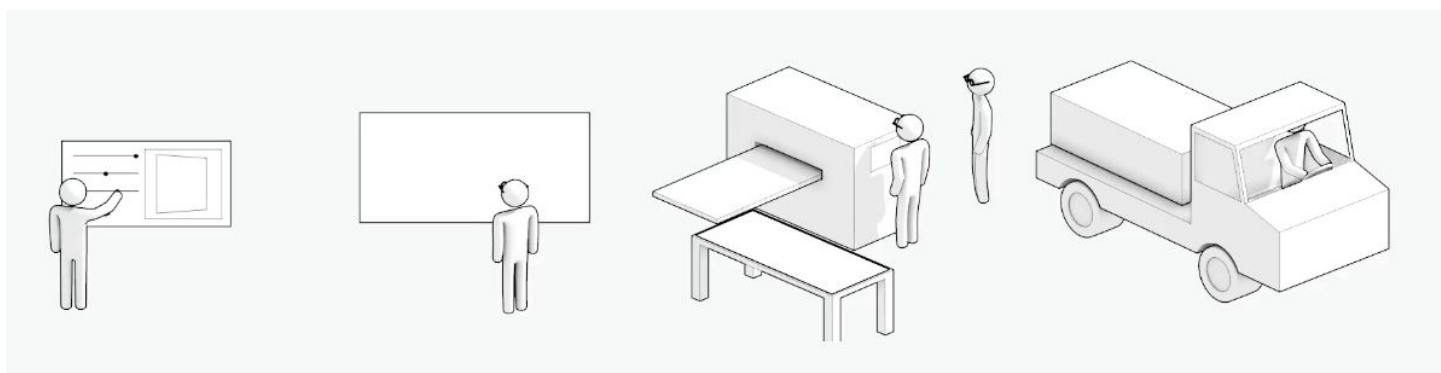
Double Return Long Span

Drop & Lock™ with Hat Channel

Double Return Short Span

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Quick turnaround = Reduced risks in pricing fluctuation and scheduling



Seamless Transitions

Minimize panel borders to create a seamless image. We have developed processes to create seamless imagery (**Cross-Seam Perf™**), by enabling perforations to continue across a folded seam or joint. Similar panel systems often leave an unperforated border around each panel, obscuring imagery with a prominent panel grid. Zahner technology and craftsmanship ensure a high-impact display where boundaries and lines become undetectable at a distance.

Borders and seams can fragment an image



Cross-Seam Perf™ minimizes borders and seams



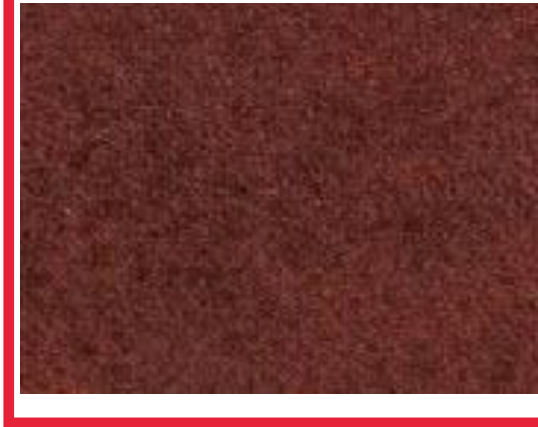
Product Finish Offerings

ImageWall is available in the following finishes:

Angel Hair®



Solanum®



Fluoropon 70% PVDF



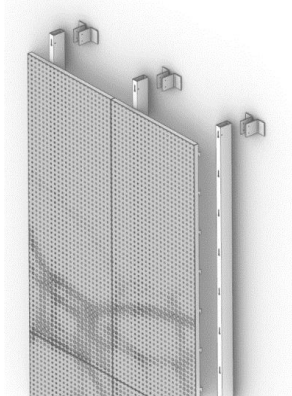
Anodizing Class I



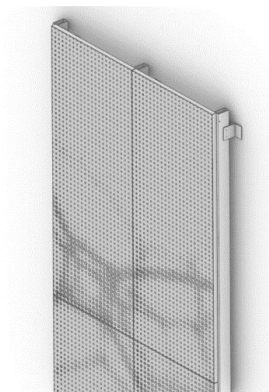
Drop & Lock™

Drop & Lock systems by Zahner use **Inverted Seam** technology to enable fast and sealant-free installation of metal panels and other hardware for architectural systems. The systems use a two-part process for installation and include all of the hardware needed to hang the panel system. In additions to ease of install, Drop & Lock panels are also easy to remove and allow maintenance access to the space behind the panels.

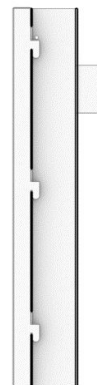
Drop & Lock with mullion & anchor



Exploded model of installed Drop & Lock Panel with mullion

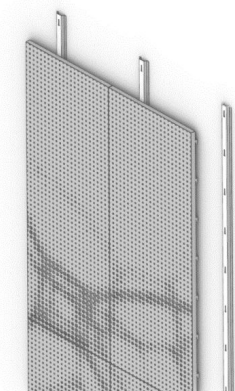


Model of installed Drop & Lock Panel with mullion

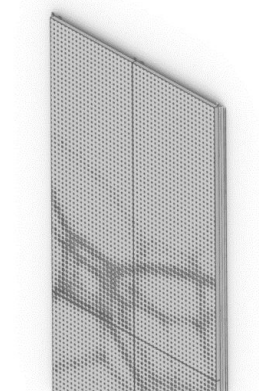


Profile model of installed Drop & Lock panel with mullion

Drop & Lock with hat channel anchor



Exploded model of installed Drop & Lock Panel with hat channel



Model of installed Drop & Lock Panel with hat channel



Profile model of installed Drop & Lock panel with hat channel



Scan QR code to see Drop & Lock system in action

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There are two different variations

Long Span System

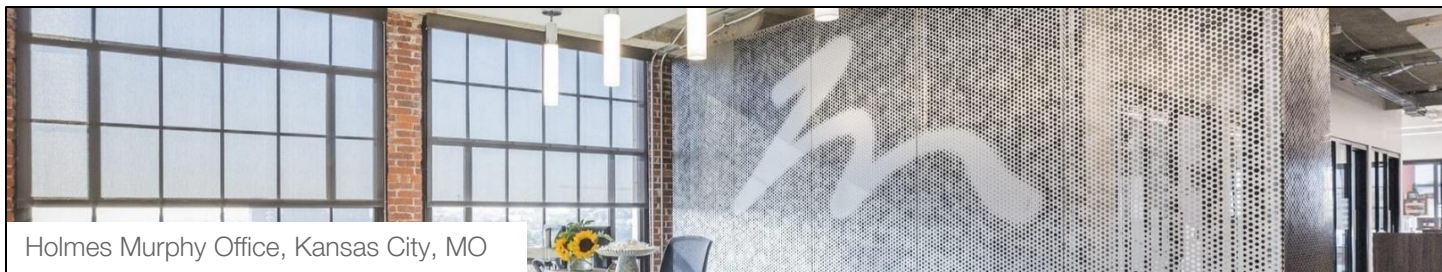
Long Span Panels have a broader flange to provide strength and rigidity to allow the panels to be fastened on the short edge only. Depending on the available substructure, panels can be installed in either vertical or horizontal orientation.

Short Span System

Short Span Panels have a thinner profile as the panels are fastened on the long edge. Depending on the available substructure, panels can be installed in either vertical or horizontal orientation. Double Return Short Span system is the most economical ImageWall option.



Summit Rooftop Lounge, Austin, TX



Holmes Murphy Office, Kansas City, MO

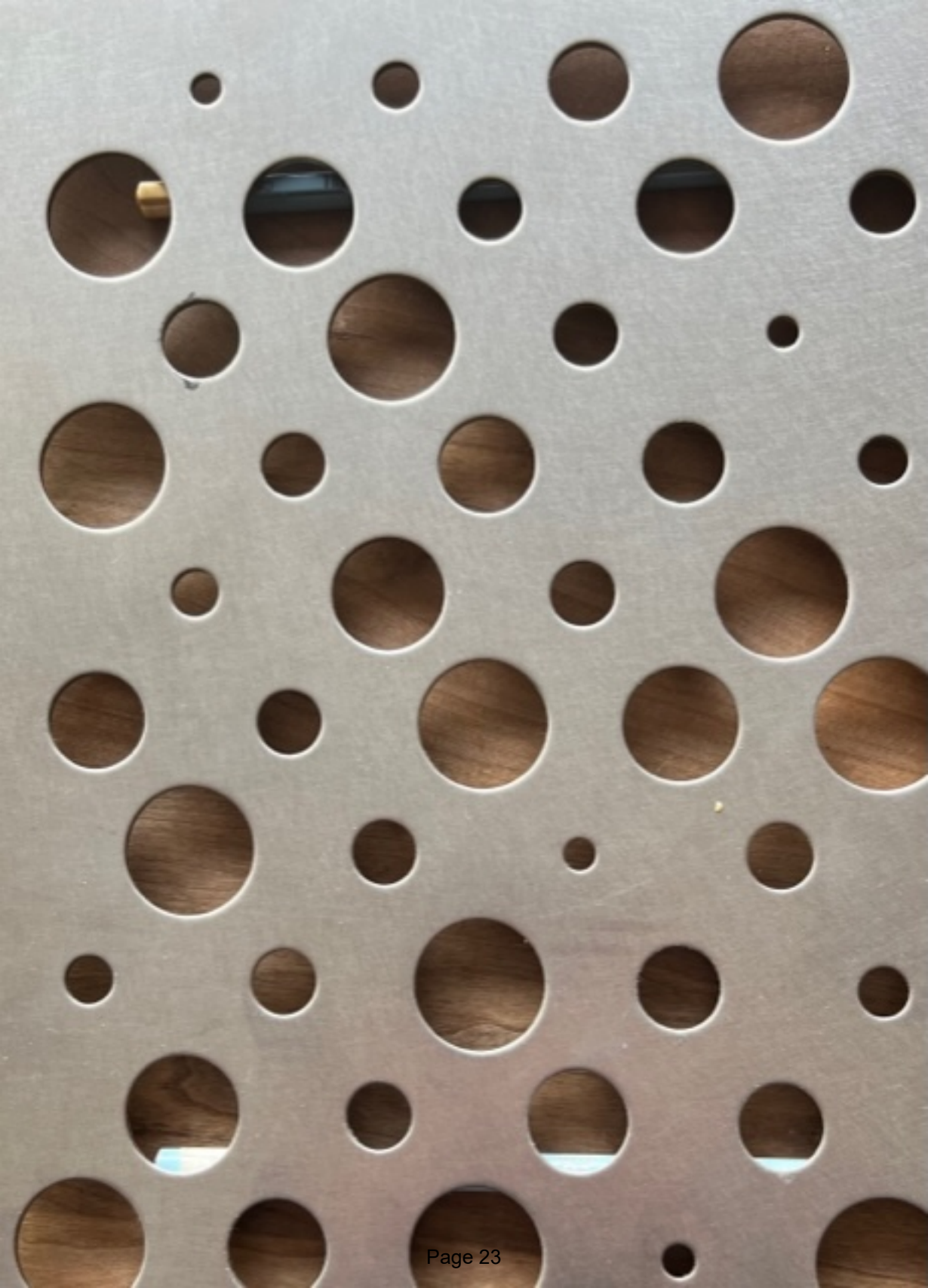
ImageWall Parameters

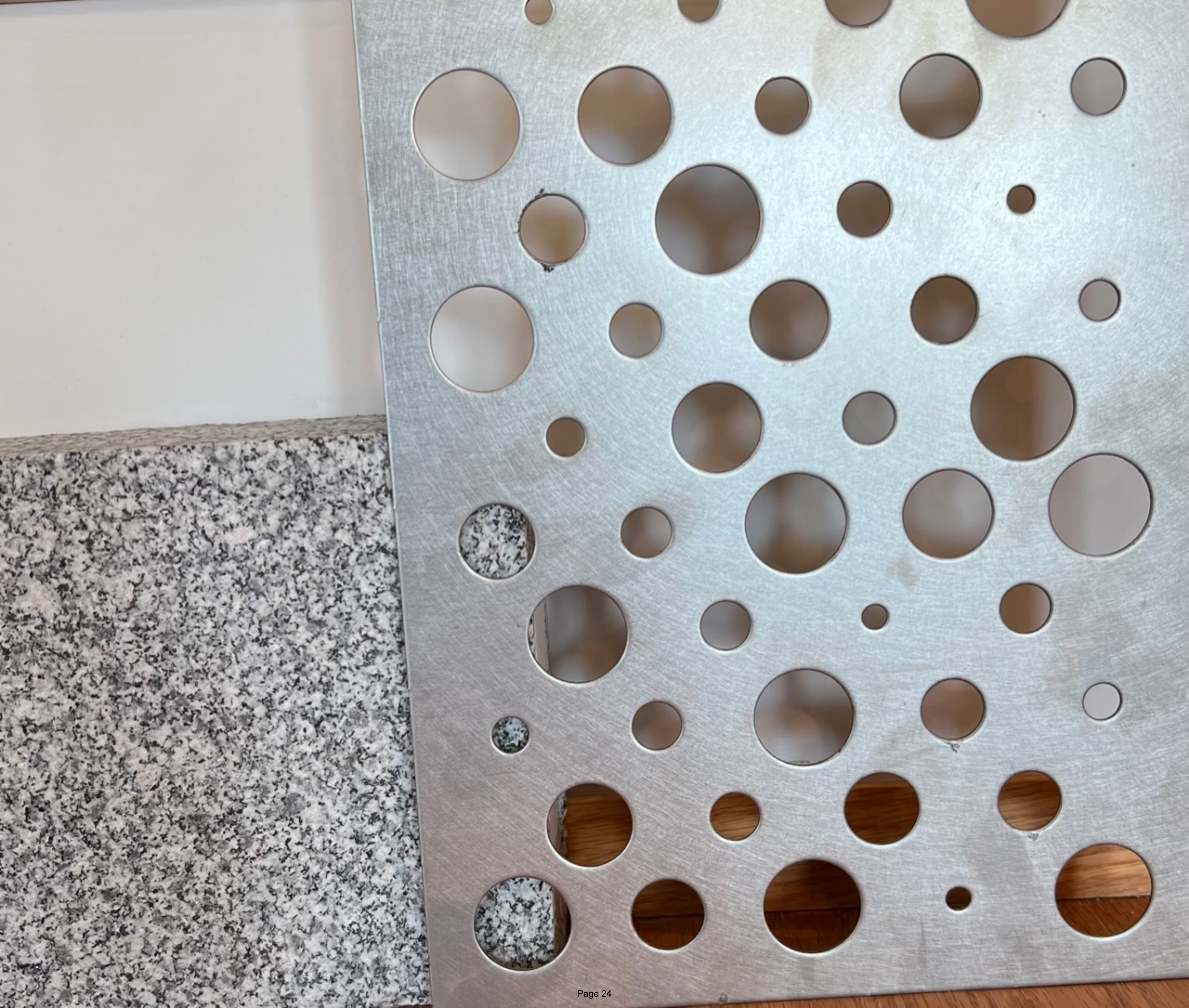
Pre-Engineering Systems		Drop & Lock	Double Return Short Span	Double Return Long Span
		1) with extrusion and angle anchor 2) with hat channel anchor		
Grid Size		1" - 3" O.C.		
Hole Size		0.188" to 2.875"		
Material Finishes	Stainless Steel:	Angel Hair®		
	Steel:	Solanum®		
	Aluminum:	2-coat solid color 70% PVDF coating		
		AAMA 611 Class I Anodizing		
Material Thickness	Stainless Steel:	0.075"		
	Steel:	0.075"		
	Aluminum:	0.090" and 0.125"		0.125"
Panel Face Width		40"		30"
Panel Face Length		96", 108", and 120" Drop & Lock @ 12" increments	96" to 120"	60" to 96"
Panel Face Depth		2.75"	2.5"	4"

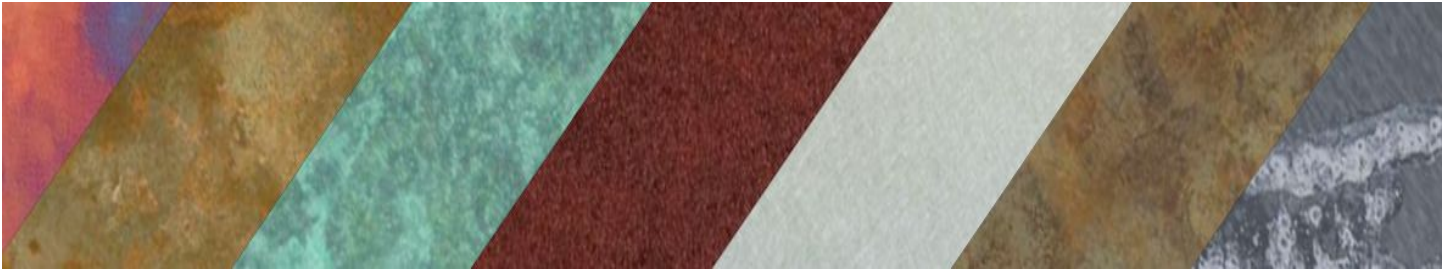
*The options in this table represent our pre-engineered standard ImageWall offerings. Alternate materials, finishes, dimensions, shapes, and installation methods are available upon request.



Lineage Logistics, Irvine, CA







Zahner Surfaces reflect decades of in-house metallurgical innovation. Our unparalleled experience and understanding of chemical compounds, climatic impacts, and their atmospheric and local conditions have led to superior mechanical, chemical, pre-weathered and patinated finishes that far exceed the performance of paint and other alternatives. In addition to adding artistry and elegance, our chemically engineered processes provide a protective barrier for the underlying metals.

As stewards of the built environment, all Zahner Surfaces processes occur in our award-winning, EPA compliant facility. Zahner is dedicated to maintaining minimal impact on habitats and ensuring the health and safety of employees as well as the community at large.

Oscura™

Oscura is a Zahner blackened patina on steel that has been developed for interior use. Activated steel surfaces create a mottled and artistic ambiance that varies from sheet to sheet. The primary surface is sealed with a clear coat to mitigate rusting due to the effects of the ambient interior environmental.

Angel Hair™

Zahner's Angel Hair is our patented process to etch metal with a fine non-directional grain, resulting in a smooth and uniform light scattering architectural surface.

GB-60™

GB-60 is Zahner's non-directional mechanical finish that diffuses the natural reflectivity of metals by introducing very fine dimples, creating a satin glow.

Solanum Steel™

Solanum is a pre-oxidized weathering steel surface. Our lab accelerates the natural weathering process, advancing the self protecting layer toward the more beautiful mature state that otherwise takes years in the environment. Solanum Steel provides a range of resonant tones on an enduring surface.

Dirty Penny™

Dirty Penny copper features light and dark tones ranging from blues to greens and reds. An iridescent surface, the material benefits from a microfilm which develops on the exterior layer of the material. The oxidized layer is like a living protecting barrier which grows and evolves as it further oxidizes.

Star Blue™

Star Blue copper is a premium surface which achieves a stunning aged aesthetic, replicating centuries of natural copper weathering. Zahner technicians have mastered a technique to speed up this process to a chemically stable state.

Hunter™ | Baroque™ | Roano™

Hunter, Baroque, and Roano pre-weathered zinc patina offerings age with elegance and integrity. As one of the most enduring metals, zinc surfaces can easily last more than 100 years in non-aggressive environments. Our proprietary zinc patina processes provide a lightweight material with a rich protected surface. Our various zinc patinas can serve both contemporary and historic designs.



The chart below represents Zahner's most popular Surfaces offerings. The typical lead time is 6-8 weeks, with a minimum order quantity of 10 sheets. For additional thickness, width or length options, please contact a Zahner sales representative.

Zahner Surface	Recommended Application	Base Metal (alloy)	Standard Thicknesses	Approx. decimal (mm)	Approx. weight [lbs/ft ²]	COTE [in/in/°F]	Standard Sizes
Angel Hair	Interior and Exterior	stainless steel (304 or 316)	14 ga	.0785" (1.99)	3.15	9.6 x 10 ⁻⁶	4' x 8'
GB-60			12 ga 11 ga	.1084" (2.75) .1233" (3.13)	4.41 5.04		4' x 10' 4' x 12' 5' x 8' 5' x 10' 5' x 12'
Dirty Penny	Interior and Exterior	copper	20 oz	.0270" (.686)	1.25	9.8 x 10 ⁻⁶	3' x 8' 3' x 10'
Star Blue			24 oz 32 oz 48 oz	.0323" (.820) .0431" (1.09) .0646" (1.64)	1.50 2.00 3.00		
Oscura	Interior	steel (1008A)	14 ga 12 ga 11 ga	.0747" (1.90)	3.13	7.0 x 10 ⁻⁶	4' x 8'
Solanum Steel	Interior and Exterior	weathering steel (A606)		.1046" (2.66) .1196" (3.04)	4.38 5.00		4' x 10' 4' x 12' 5' x 8' 5' x 10' 5' x 12'
Hunter	Interior and Exterior	zinc	0.8 mm	.031" (0.8)	1.18	15.4 x 10 ⁻⁶	39.4" x 10'
Baroque							
Roano							



THE ELEMENTS ARE SIMPLE

greenscreen 



Rigid, lightweight panels are 48 inches wide and 6 ft, 8 ft, 10 ft, 12 ft, 14 ft long and can be installed either vertically, horizontally, wall mounted or freestanding.

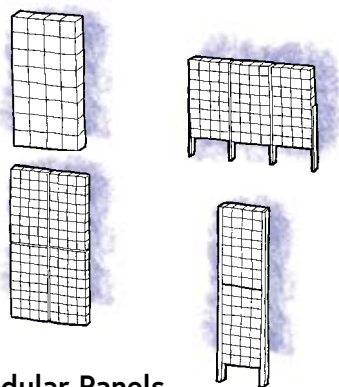
In addition to the standard panel, the **greenscreen®** system of green facade wall products includes the Column Trellis, customized Crimp-to-Curve shapes, panel trims and a complete selection of engineered attachment solutions. Customization and adaptation to unique project specifications can easily become a part of your **greenscreen®** project. The panels are made from recycled content, galvanized steel wire and finished with a baked on powder coat for durability.



basic elements

greenscreen® is a three-dimensional, welded wire green facade wall system.

The distinctive modular trellis panel is the building block of **greenscreen®**.



Modular Panels

Use for covering walls, freestanding fences, screens and enclosures.

Standard Sizes:

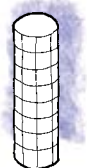
width: 48" wide

length: 6', 8', 10', 12', 14'

thickness: 3" standard

Custom dimensions available in 2" increments, length and width.

See our Accessory Items, Mounting Options and Detail Examples that work together to provide efficient solutions.



Column Trellis

Use as a vertical freestanding element or as a cover for existing posts. Coiled or flat for easy field installation in standard or custom diameters.

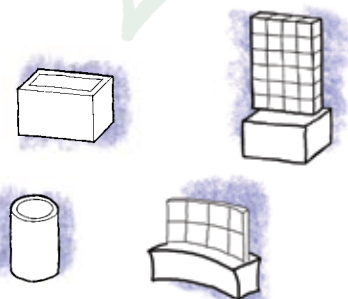
Standard Sizes:

dia: 15½"

height: 6', 8', 10', 12', 14'

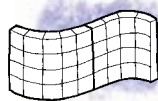
Custom heights in 2" increments

thickness: 3" standard



Planter Options

Planter options are available for a variety of applications and panel heights. Standard 4 ft. wide fiberglass planter units support up to 6' tall screens, and Column planters work with our standard diameter Column Trellis. Our Hedge-A-Matic family of planters use rectangle, curved and square shapes with shorter screens, for venues like patios, restaurants, entries and decks.



Crimp-to-Curve

Use for curved surfaces, covering walls, freestanding fences, screens, and enclosures.

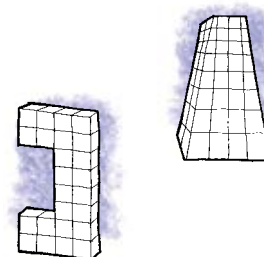
Standard Sizes:

radius: standard radius 4 ft to 12 ft at 12" increments

length: Available in 4" increments.

thickness: 3"

Custom radius and lengths available. Width variable in 2" increments.



Custom

Using our basic panel as the building block, we are always available to discuss creative options. Panels can be notched, cut to create a taper, mitered and are available in crimped-to-curve combinations.

Colors

Our standard powder coated colors are; green, black, silver, bronze, and white. Custom colors are available.



Accessories

greenscreen® is a complete trellis system that includes a versatile array of engineered mounting clips for almost every application of panels and columns. Our trims are factory installed before finishing. All clips, posts and caps are finished to match your project colors. Our Accessory Items list, Mounting Options, Detail Examples and Specifications all work together to provide efficient solutions.

WALL MOUNTED

Standard sizes

width: 4 ft
length: 6 ft
8 ft
10 ft
12 ft
14 ft

thickness: 3" standard

Custom Sizes

Available in widths and lengths
in
2" increments up to 4 ft x 14 ft

Finish

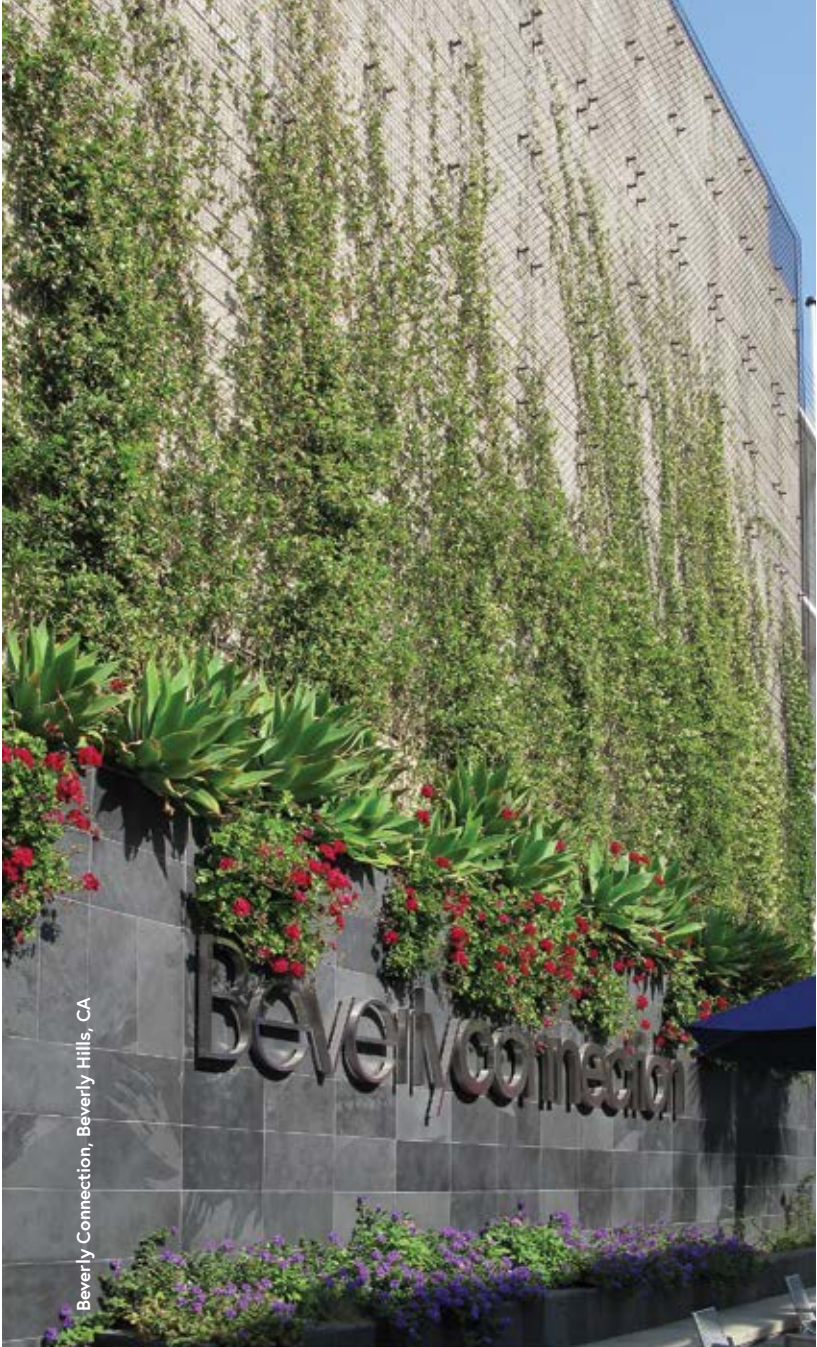
- baked on powder coat finish
over galvanized steel wire
 - ~ green
 - ~ black
 - ~ silver
 - ~ bronze
 - ~ white
 - ~ custom

Accessory Options

trim: #5104 channel
#5105 angle

Mounting Hardware

full range available



Beverly Connection, Beverly Hills, CA

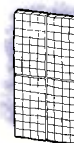
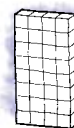
Wall Mounted Green Facade Trellis Panel

The **greenscreen**® trellis system can transform blank concrete or masonry walls into soft-textured, vine covered, seasonally changing surfaces commonly referred to as "green facades." The elements are simple and the possibilities are endless for mounting modular or shaped panels near entries, around windows and in interior courtyards as a living plant matrix that covers all or part of a building facade...

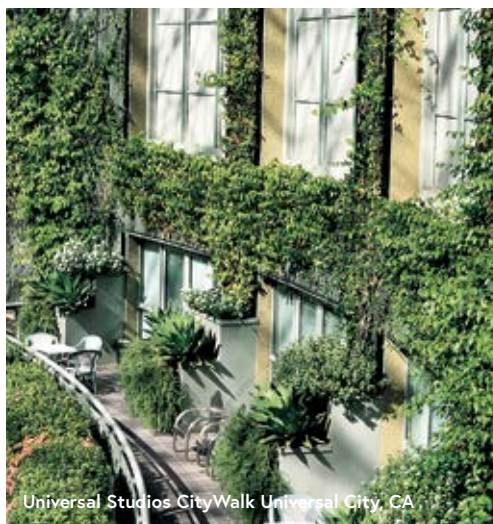
the examples are many!

Our system of engineered mounting accessories is designed to hold **greenscreen**® trellis panels off the building surface, protecting the building's waterproof membrane from direct plant attachment and transferring the weight of the plants to the screen structure and the wall. Integrate wall mounted **greenscreen**® elements into new construction or retrofit to existing buildings with adjustable clips that adapt to uneven surfaces. Panels can be stacked side to side or top to bottom to cover larger areas.

WALL MOUNTED



Memorial Hospital, Houston, TX

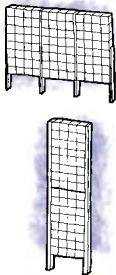


Universal Studios CityWalk Universal City, CA

FREESTANDING

Freestanding Green Facade Wall or Trellis Fence

When used freestanding, **greenscreen**®'s unique wire truss configuration can span between structural members for use as a security fence, privacy screen, shade element or three-dimensional enclosure. Light in weight, but incredibly strong, **greenscreen**®'s three inch screen depth "captures" plant material and provides the benefits of a living fence or tapestry that can be enjoyed from both sides. Our engineered mounting accessories match the panel finish and easily adapt to posts for simple fence installations or to more complex frameworks for larger multi-story projects. Working with the 2" modular grid simplifies the design process and ensures accurate field installation.





Standard sizes

width: 4 ft

length: 6 ft

8 ft

10 ft

12 ft

14 ft

thickness: 3" standard

Custom Sizes

width and length available in
2" increments up to 4 ft x 14 ft

Finish

- baked on powder coat finish
over galvanized steel wire
 - ~ green
 - ~ black
 - ~ silver
 - ~ bronze
 - ~ white
 - ~ custom

Accessory Options

trim: #5104

#5105

Mounting Hardware

full range available

FREESTANDING

Getty Museum - Los Angeles, CA

COLUMN

Standard sizes

diameter: 15½"

length: 6 ft
8 ft
10 ft
12 ft
14 ft

thickness: 3" standard

Custom Sizes

- length available in 2" increments up to 14 ft
- custom diameters available

Finish

- baked on powder coat finish over galvanized steel wire
 - ~ green
 - ~ black
 - ~ silver
 - ~ bronze
 - ~ white
 - ~ custom

Accessory Options

trimbands

Mounting Hardware

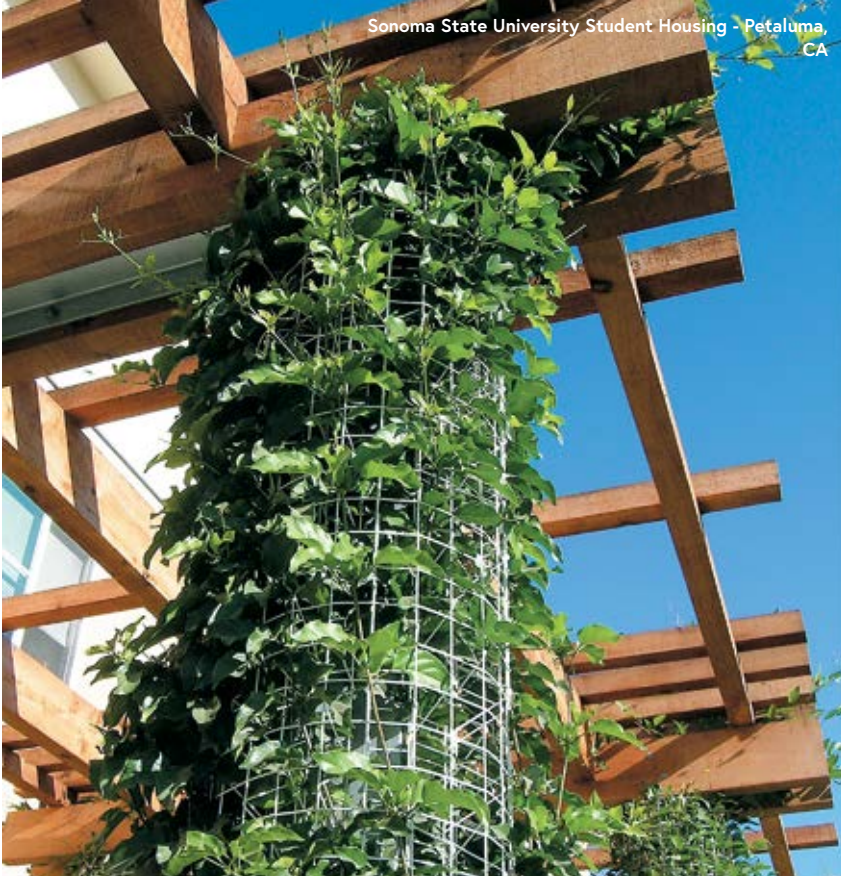
#5132V Mounting Clips,
planter



Google Headquarters - Mountain View

Sonoma State University Student Housing - Petaluma, CA





Column Trellis

Creating column shapes with **greenscreen®** trellis panels is easy. Our standard Column Trellis is fabricated from a 48" wide panel which gives a 15½" diameter column as our basic building element. We can provide mounting clips or brackets for attaching to your structure and you can choose from our standard radius up to fourteen feet in height or select a custom radius or square column shape that we can build for you. For taller installations, the columns can be stacked. The standard Column Trellis can also be mounted on a fiberglass planter for applications that require self contained units.

COLUMN



Desert Ridge Marketplace - Phoenix, AZ



Acme studios - Los Angeles, CA

Brocade Communications - San Jose, CA



Willows Shopping Mall, Concord, CA

PLANTER

Size

Rectangular:

4 ft wide x 24" x 30" tall

Cylindrical:

18" dia x 28" tall

Curved:

20" tall x various shapes

Custom Sizes

custom sizes available

Finish

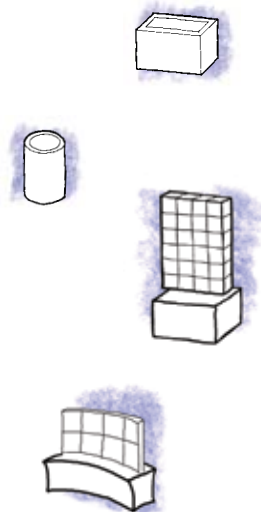
- fiberglass with multiple textures available
- custom color to match client color chip

Accessory Options:

order with 4 ft wide and 6 ft tall trellis panels for large standard planters. For taller panels additional structure required.

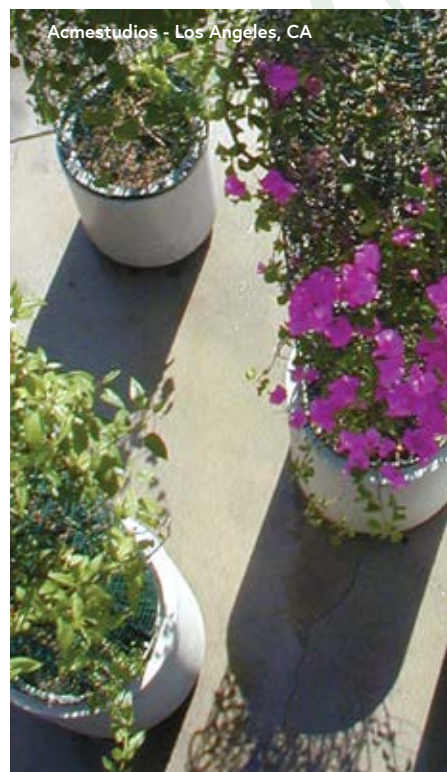
Mounting Hardware

Planter Straps



Above Ground Planter

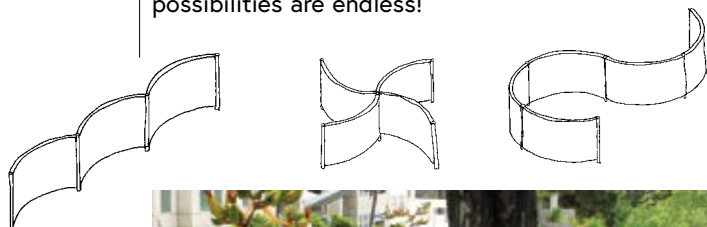
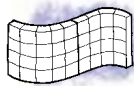
For projects that require containers, **greenscreen®** trellis panels can be mounted to our stationary planters in multiple configurations. Planters may feature special liners and drainage for irrigation control and are available in a variety of colors and finishes. Standard cylindrical planters coordinate with the Column Trellis and flat, modular panels work with rectangular planters. Custom sizes, shapes, and colors can be made to order depending on your project requirements. Curved, straight and square shapes used in combinations are featured in our *Hedge-A-Matic* family of planters, and are available with shorter privacy screens for venues like patios, restaurants, entries and decks.



Crimp-to-Curve

Sometimes a freestanding **greenscreen®** trellis needs to describe a curve, echo a building shape or include a gentle overhead arc. We offer **greenscreen®** in a variety of standard radiused shapes to enhance your design.

Crimp-to-Curve trellis screens can be joined to create long curved fence elements, overhead arcs and to create new forms made with multiple units. The possibilities are endless!



Anniversary Park - Hollywood, FL



Geary Street - San Francisco, CA



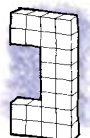
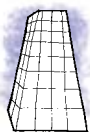
Sacred Heart University - Fairfield, CT



Anthropologie - Corona, CA

Custom

Based on a 2"x 2" modular grid, **greenscreen®** panels can be easily customized to meet a wide variety of project requirements. The rigid, lightweight, three-dimensional, welded wire panel can be cut at angles, span openings, attach to support frames or be mitered, notched, spliced or curved. In combination with standard or custom edge trims and a full array of engineered mounting hardware, unique applications are limited only by your imagination.



Standard sizes

width: 4 ft
length: Available in 4 in. increments
radius: 4 ft
5 ft
6 ft
8 ft
10 ft
12 ft

thickness: 3" standard

Custom Sizes

custom radii available

Finish

- baked on powder coat finish over galvanized steel wire
 - ~ green
 - ~ black
 - ~ silver
 - ~ bronze
 - ~ white
 - ~ custom

Accessory Options:

#5105 Steel Edge Trim

Mounting Hardware

full range available

CRIMP-TO-CURVE

Size:

up to 4 ft wide and 14 ft long in single pieces.

Finish

standard listed finishes or additional custom colors

Accessory Options

trim: #5104
#5105
custom profiles available

Mounting Hardware

full range available, custom clips and brackets available

CUSTOM

project examples

The following pages illustrate some of the many combinations offered with the **greenscreen®** green facade wall system.



Houston Galleria - Houston, TX



Central Park Library - Santa Clara, CA



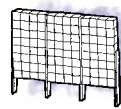
Red Cross - Chicago, IL



Field Blvd - Chicago, IL

The "captive growing space" created by the unique **greenscreen®** panel design promotes vertical plant growth and is an excellent support for maintaining healthy plants. Edge trim can be added at pedestrian areas as a closure strip or at the panel perimeter to provide a reinforced edge for plant maintenance. A variety of colors, finish-matched clips and mounting hardware make it easy to adapt to round or square post systems. **greenscreen®** panels can be mounted vertically or horizontally between posts and are easily integrated into custom gate openings.

FENCING





Many larger commercial and retail developments require flexible landscape elements to solve a variety of space planning problems. Vertical greenery can easily be achieved with minimal panel and planter depth using freestanding or wall mounted panels. Particular attention should be paid to plant selection, soil volume and initial plant size upon installation to insure a successful application for opening day. In high-visibility projects, panels can be pre-grown off site, transported and installed to ensure an established landscaped presence.

MIXED USE



Whole Foods - Lincoln Park, IL



29th Street Mall - Boulder, CO



The Galleria at Roseville - Roseville, CA

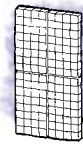


Staten Island Courthouse Parking - NJ



Stanford University Parking Structure #5 - Stanford, CA

PARKING STRUCTURES



greenscreen® trellis panels are a proven solution for providing vertical plant greenery on large multi-story buildings such as parking structures. In a tight building-setback situation, **greenscreen®** requires only a few inches of space to create an effective vertical landscape element. Multi-floor heights can be vegetated from a narrow planting bed that eliminates walkway encroachment or by integrating above grade planters to reach higher elevations. The panels are easily adaptable for new projects or to retro-fit onto existing buildings. The unique panel construction spans between floors and attaches directly to the building face or to a secondary steel frame. In all cases, the three-dimensional depth of the panel promotes rapid, early growth and long term plant support.



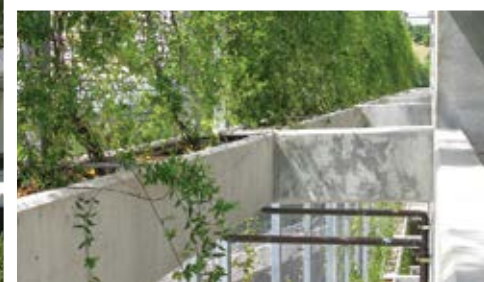
California State University at Fullerton Parking Structure - Fullerton, CA



Renaissance 500 Parking, Ridgeland, MS

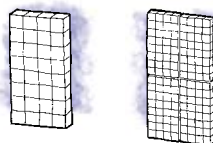


River Rock Parking - Napa, CA



Standard or custom size **greenscreen®** trellis panels can be mounted either on top or between an overhead steel support structure, providing a light and open feeling until the vines mature and create a cool, shaded sitting area.

HORIZONTAL



Fountain Park at Playa Vista Visitors Center - Playa Vista, CA



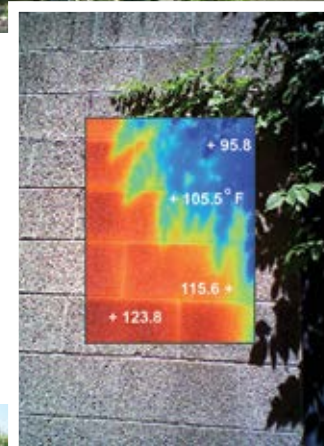
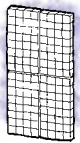
Renaissance 500 Parking, Ridgeland, MS



John Muir Hospital - Walnut Creek, CA

SHADING BENEFITS AND LIGHT CONTROL

The **greenscreen®** green facade wall trellis can be an important part of a building's environmental control systems. These two highly successful projects use tall **greenscreen®** trellises as "green facades" built into south-facing structures to create shade and filter summer sun while allowing heat gain and abundant light during winter. The use of vegetation for shade creation can help to minimize building cooling requirements, increase evapotranspiration, mitigate the Urban Heat Island effect and create comfortable outdoor spaces.



National Wildlife Federation Headquarters - Reston, VA

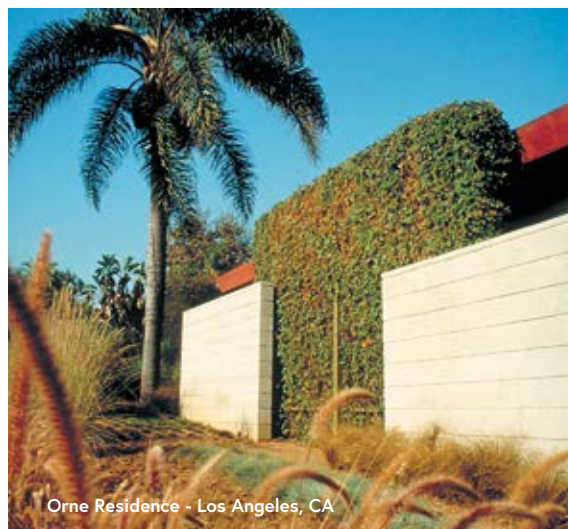
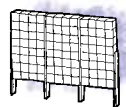


WWII Museum - New Orleans, LA



RESIDENTIAL

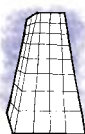
Freestanding trellis screens can be a dynamic and visually stimulating alternative to fencing in a residential setting. **greenscreen®** can be used to enhance privacy, provide added security and help maintain easements. Simple installations can use surface mounted panels on a wood frame or connect to a steel post system to create colorful, living tapestries. The possibilities are endless....



Orne Residence - Los Angeles, CA



Tempe Transit Center - Tempe, AZ

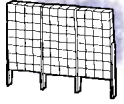


PEDESTRIAN SCALE

These project examples utilize a narrow panel profile to create flat, freestanding screens or three-dimensional volumes to provide shade and a visual buffer to building surfaces in pedestrian waiting zones and seating areas. Adaptable trims and mounting details are "people friendly" and the strong, rigid, steel wire construction resists potential abuse.

Berkeley Residence - Berkeley, CA





greenscreen® installations provide security benefits by controlling access without bars or conventional fencing while simultaneously covering the openings with a lacy leaf texture. The three-dimensional panel construction of the **greenscreen®** green facade wall system allows spanning between structural members and can be stacked vertically or horizontally to cover larger areas. The 2" x 2" grid, adaptable clips and brackets make installation simple and efficient.

SECURITY

Pacific View Mall Parking Structure - Ventura, CA

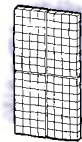


Rolex - Beverly Hills, CA



Vine Street School - Los Angeles CA

GRAFFITI CONTROL

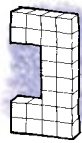


greenscreen® modular wall mounted trellis panels inhibit graffiti action on this 12 foot high parking area wall in a dense urban environment and on a neighborhood school building. A narrow planting bed helps maximize the usable traffic area and the neighborhood enjoys the benefit of a flowering, vine covered solution instead of a monotonous concrete wall. Neighborhood groups and Planning Department officials responded favorably to this alternative.



Ritz Garden - Newport Beach, CA

INTERIORS



Both a restaurant and an interior circulation space in a corporate office setting utilize the 2" modular grid and #5105 Edge Trim to create an interesting visual rhythm. The office courtyard installation provides partial screening for perimeter conference spaces. A narrow, irrigated planter at the base limits walkway encroachment.

Nokia Product Creation Center - San Diego, CA



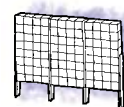
Chevron Roof Garden - San Francisco, CA



The Gathering Place - Denver, CO

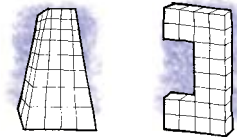
Outdoor conference areas, hospital healing gardens, intimate outdoor dining areas, security fencing and flowering privacy screens are just some of the ways that **greenscreen®** has been utilized in rooftop environments. Lightweight panels can be combined with our planters or adapted to existing conditions to provide creative solutions that transform hard-to-utilize roof top areas into thriving outdoor spaces.

ROOFTOP



CUSTOM

The benefits of three-dimensional, welded steel wire construction are clearly evident in these custom **greenscreen®** applications. The lightweight, rigid panels can be cut to create unique shapes that can span between structural supports both horizontally and vertically. These projects take advantage of a consistent design theme and solutions oriented approach to provide a durable framework for mature plant material. With the repetition of a custom shape or family of shapes, a unique "project identity" for an installation can be established.



John Muir Hospital - Walnut Creek, CA



Stanford University, Graduate School of Business Roof Deck - Palo Alto, CA



Brocade Communications - San Jose, CA



Anthropologie - Corona, CA



Desert Ridge Shopping Mall - Phoenix, AZ



The Yards - Washington, D.C.



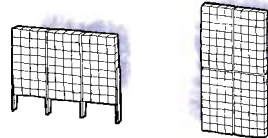
Anti-Creality Headquarters - Chicago





GREEN INFRASTRUCTURE

The possibilities are endless for vertical vegetation in rain gardens, bio-swales and rainwater harvesting projects where planting space is limited. Green facade wall systems can easily be incorporated into stormwater management designs to enhance on site run off requirements.



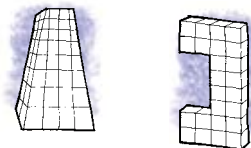
Kaiser - Oakland, CA



YVR Vancouver Lightrail - Vancouver, B.C.



Phoenix Metro Lightrail - Phoenix, AZ



TRANSPORTATION

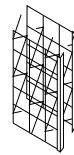
Transportation projects can benefit from the incorporation of **greenscreen®**'s green facade wall system. Producing shade, increasing evapotranspiration and providing graffiti abatement are just a few benefits that can be achieved by the use of this design element.

accessories

Our Accessory Items list will provide your project with the necessary edge trims, mounting clips, straps, posts, and caps to match your specified finishes with maximum flexibility.

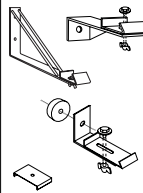
To assist with design and product specification we provide additional details, material specifications, engineering data, complete accessory specifications, BIM and CAD details for inserting into working drawings. Also included is a helpful **Mounting Options** section for use as a guide on typical installations. This additional information is available online at www.greenscreen.com and in our Complete Catalog Binder. Contact us for additional materials or with specific questions.

EDGE TRIMS



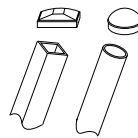
Use as a closure strip at edges of **greenscreen®** panels. Recommended on panel edges adjacent to pedestrian traffic or where edge reinforcement is required for special mounting conditions or long term plant maintenance. #5104 Steel Channel Trim or #5105 Steel Edge Trim can be added to panels in multiple configurations.

MOUNTING CLIPS



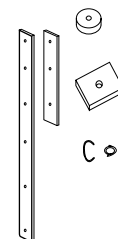
A selection of engineered clips and brackets can be used for a variety of project requirements. Examples are on our website. Please contact a **greenscreen®** Project Manager for more information.

POSTS AND CAPS



Available in matching finishes and custom lengths.

STRAPS, SPACERS AND RINGS



Use for attachment to planters, adapting to uneven surfaces, isolating different building materials, aligning screens and joining screens together in a stacking configuration.



greenscreen® is committed to providing designers, specifiers and contractors with the necessary information to ensure successful projects. From sustainability criteria to Continuing Education Units to recommendations for plant materials, www.greenscreen.com is the essential resource portal for green facade wall technology.

RESOURCES & ENVIRONMENT

Resources for Sustainable Design

LEED®v4 Review (MRc Credits)

Recycled Materials Content Declaration

Sustainable Sites Initiative™ v2 Review

greenscreen® considers environmental conservation, preservation and protection to be consistent with our overall corporate goals and values as well as an important consideration in our total business activities. It has been and will continue to be a critical **greenscreen®** policy to conduct business in an environmentally conscious manner that aims to reduce our impacts and conserve maximum natural resources.

greenscreen® believes that it is important to identify and promote key initiatives that will help to bring about an awareness of the larger issues of sustainable design, green infrastructure and policy development. To this extent, we are in complete support of the USGBC's LEED v4 for New Construction and Major Renovations Rating System (November, 2013) and the Sustainable Sites Initiative™: Guidelines and Performance Benchmarks v2 (June, 2014). **greenscreen®** will continue to use these guidelines as discussion points to promote, develop and initiate resources for incorporation into best building, management and policy development practices.

greenscreen® Education Series

Case Studies

Research Reviews

With 20 years of experience and over 6000 installations, **greenscreen®** has the technical information and technical expertise that you need to design,specify and integrate green facade walls successfully into your projects.

greenscreen® can provide case study information for specific building types including:

- Health Care
- Government/Civic
- Retail/Mixed Use
- Transportation
- Parking Structures
- Hospitality
- Education
- Commercial

Case studies and PDF project pages can be found on our website under 'Resources + Downloads'.

Research

greenscreen® recognizes the vital role of research and continues to underwrite important academic experiments focusing on energy efficiency, stormwater management and integration with green roofs. Our Academic partners include:

- University of Maryland
- British Columbia Institute of Technology
- University of Toronto
- Green Roofs for Healthy Cities

In an effort to help educate our design partners, the **greenscreen®** Education Series - Research Reviews presents a series of briefs composed as summaries about important issues supported by international research efforts. Document titles and authors are listed and it is encouraged that the original transcripts be accessed for a complete understanding of methodologies, intent and original research summaries.

Research briefs are available on our website under 'Education + Research'.

SUSTAINABILITY

Continuing Educations Units (CEU's)

Continuing education for design professionals is critical to the health, safety and welfare of the general public and **greenscreen**® is a regular contributor of CEU's for online access, in partnership with AECdaily, McGraw Hill Construction, Hanley Wood University and Green Roofs for Healthy Cities. Current and past topics include:

- Considerations for Advanced Green Facade Design
- Greening the Site: Design Options for Sustainability
- Building Products in BIM
- Strategies for More Sustainable Exterior Solutions
- Designing the Building - Landscape Interface
- Introduction to Green Walls

Building Information Modeling (BIM)

The use of BIM goes beyond the design of a project and takes an important role during construction as well as the post construction and facility management phases. BIM impacts the way a construction project is managed with advanced accuracy in construction and a sophisticated design process that provides designers, general contractors and subcontractors from every trade the opportunity to input critical information into the software before the beginning of construction. In an effort to promote integration into BIM software, **greenscreen**® has created a BIM model family that includes all applications, connections and green building information. These Revit files can be downloaded from our website under the Resources + Downloads tab and accessed from Autodesk SEEK and CADdetails.com.

greenscreen® also has models for rendering capabilities in SketchUp for wall mounted and freestanding applications and for planter configurations. These can be downloaded from our website and from the SketchUp 3D Warehouse.

Today there is a greater emphasis by society on the protection of the environment and **greenscreen**® believes that it is both a good business practice and our duty to protect the natural resources of the communities that we serve.

greenscreen® has completed two major sustainability initiatives to advance its position as a leader in the industry; an ISO compliant, third party verified product Life Cycle Assessment Report and Model, and a company-wide audit of our sustainability performance. The LCA methodology followed the guidelines and protocols as set forth by ISO 14040 (2006) and ISO 14044 (2006) and by definition, a Life Cycle Assessment is carried out in four distinct phases; Goal and Scope Definition, Inventory Analysis, Impact Assessment and Interpretation Results. The goals of the sustainability performance review were to:

- improve employee sustainability engagement
- measure target market sustainability performance
- conduct Scope 1 and 2 carbon footprint measurement
- completion of EPA Waste Reduction Model (WARM) and voluntary reporting of GHG emissions
- measure, track and report energy and water consumption using the Energy Star project management tool

greenscreen® supports increased product transparency and will continue to endorse the incorporation of a Health Product Declaration (HPD) to conform with the guidelines as set forth by the Health Product Declaration Collaborative and the Living Building Challenge DECLARE program.

Sustainability and Corporate Social Responsibility (CSR) have long been integral components of **greenscreen**®'s philosophy and we are proud to have performance measurement data to back up all aspects of our sustainability story. **greenscreen**® will use this information to reduce our environmental footprint, make a better place to work, to better serve our community and to deliver the best customer service possible.

plants

Choosing the appropriate plant materials for **greenscreen®** requires careful consideration of hardiness zone, sun and wind exposure, soil type, available soil volume, irrigation, horticultural needs, maintenance and desired visual effect.

Choosing the proper plants for use on **greenscreen®** panels is an important design consideration and we recommend that a landscape architect, landscape designer or horticulturist be consulted for each specific application to determine appropriate plant choices based upon site conditions.



In addition to hardiness zone, a plant's growth habit is key to a green facade's success.

greenscreen® is well suited for vines that grow by twining, scrambling, root climbing, adhesive suckering or leaf stem tendrils. Twining vines are strongly recommended for wall mounted applications.

Star Jasmine - Zones 8-11, Evergreen



Climbing Hydrangea - Zones 5-9, Deciduous

Clematis varieties (*Clematis*), American Bittersweet (*Celastrus scandens*) and Jasmine varieties (*Trachelospermum*) are all good examples of vines with a twining habit. Plants such as Trumpet Creeper (*Campsis radicans*), English Ivy (*Hedera helix*) and Cape Honeysuckle (*Tecomaria capensis*) that climb by the other growth habits may be just as suitable and are recommended for freestanding applications.



Vitis and Clematis - Zones 4-8, Deciduous

Matching the type of **greenscreen®** installation with a plant's growth habit will help to ensure the long term success of your project and help to keep maintenance costs down. All plant material requires some maintenance, although some are less maintenance intensive than others. At a minimum, all plant material should receive the following annual applications:

- Pruning
- Fertilization
- Mulch
- Irrigation check

greenscreen® offers additional resources for designers and contractors that are available on the 'Plants' tab at www.greenscreen.com:

greenscreen® *Recommended Plant List*

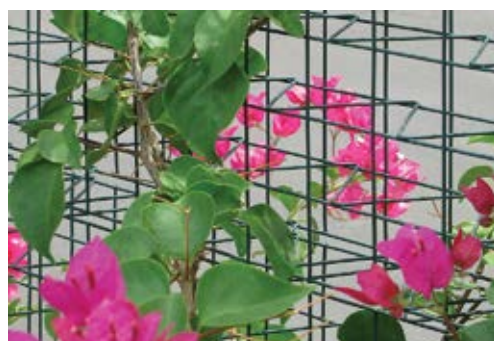
greenscreen® *Guidelines for Green Facade Plant Selection*

greenscreen® *Guidelines for Green Facade Plant Installation*

greenscreen® *Guidelines for Green Facade Plant Maintenance*



Honeysuckle - Zones 4-9, Deciduous



Bougainvillea - Zones 9-11, Evergreen



Trumpet Creeper - Zones 4-9, Deciduous



Clematis - Zones 5-9, Deciduous



THE POSSIBILITIES
ARE ENDLESS

Studios 5C - Tempe, AZ

CONTACT US
greenscreen®



725 S. Figueroa St.
Los Angeles, CA 90017
T - 800.450.3494
+1 310.837.0526
F - 310.837.0523
E - sales@greenscreen.com

www.greenscreen.com

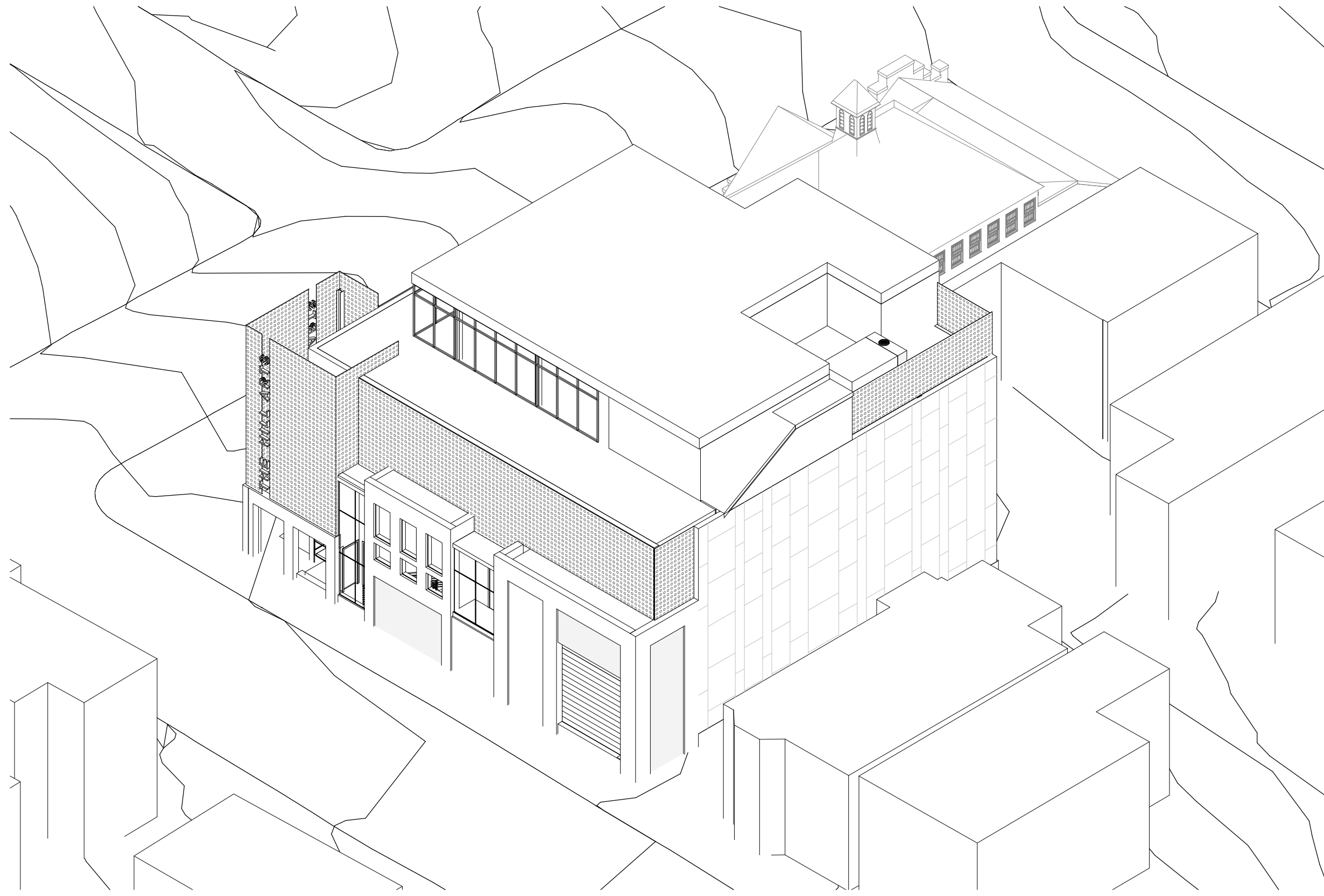
At **greenscreen**® we are a team of architects and designers with a broad and deep range of experience in urban planning, landscape design and the construction industry. We consult on both small and large scale projects across the continent and around the world, and we're committed to providing team-oriented design and technical support for your project.

Contact us to discuss **greenscreen**®'s possibilities and its application to your job. We will answer your questions, review drawings, recommend mounting details, prepare shop drawings, provide price quotes and help you place an order.

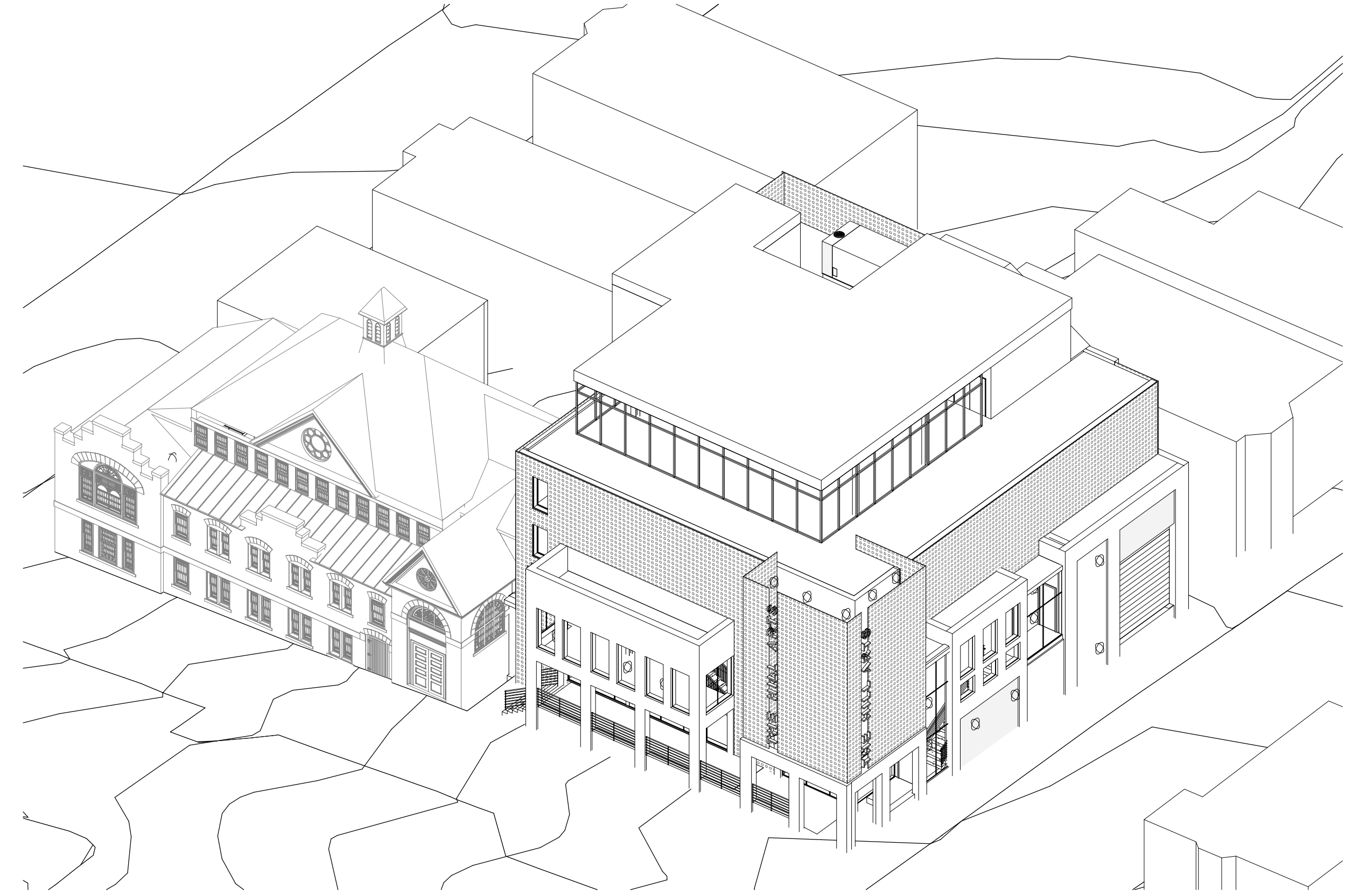


Spring 2021

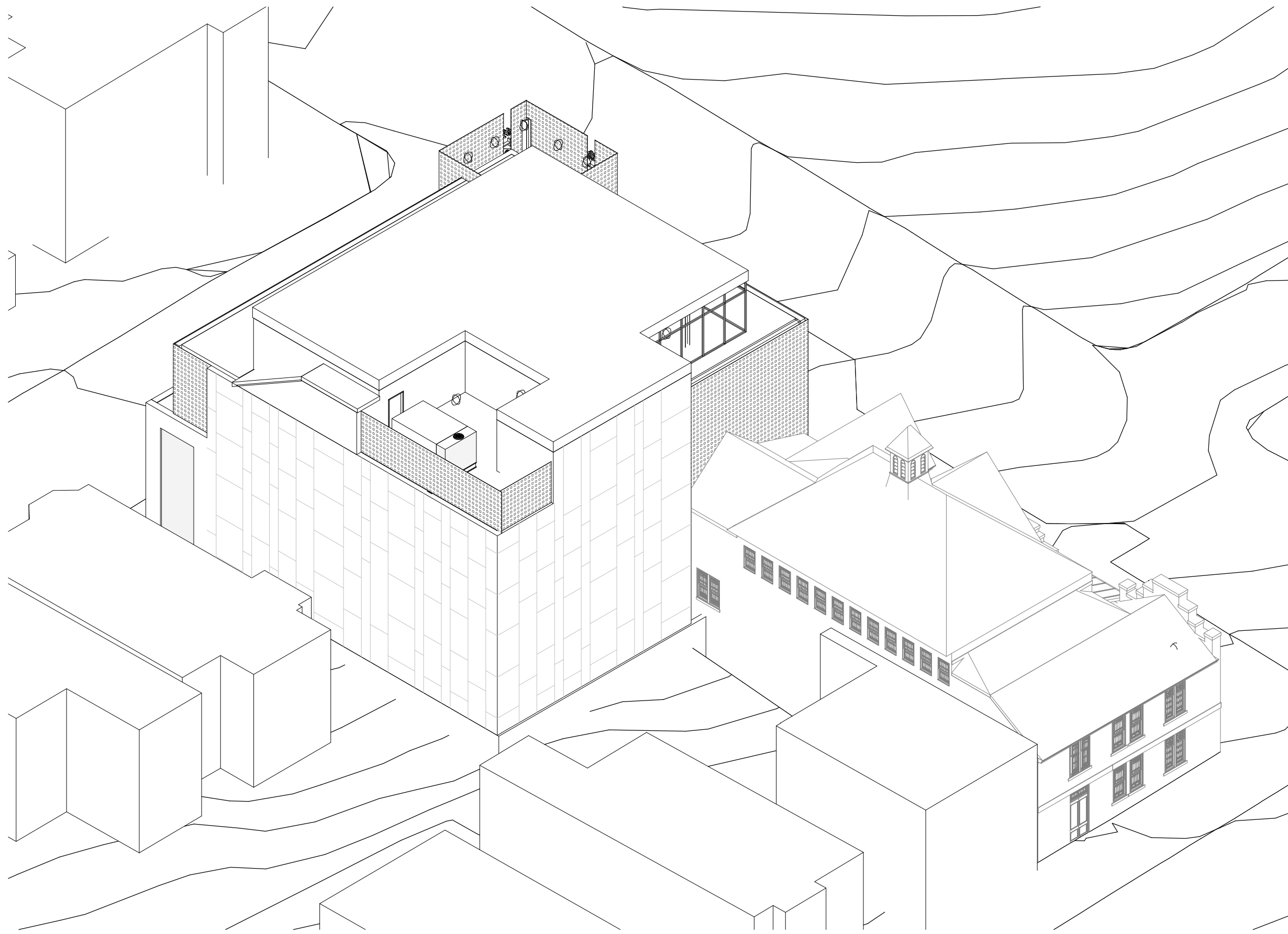
Front - Whole Foods, Lincoln Park, IL



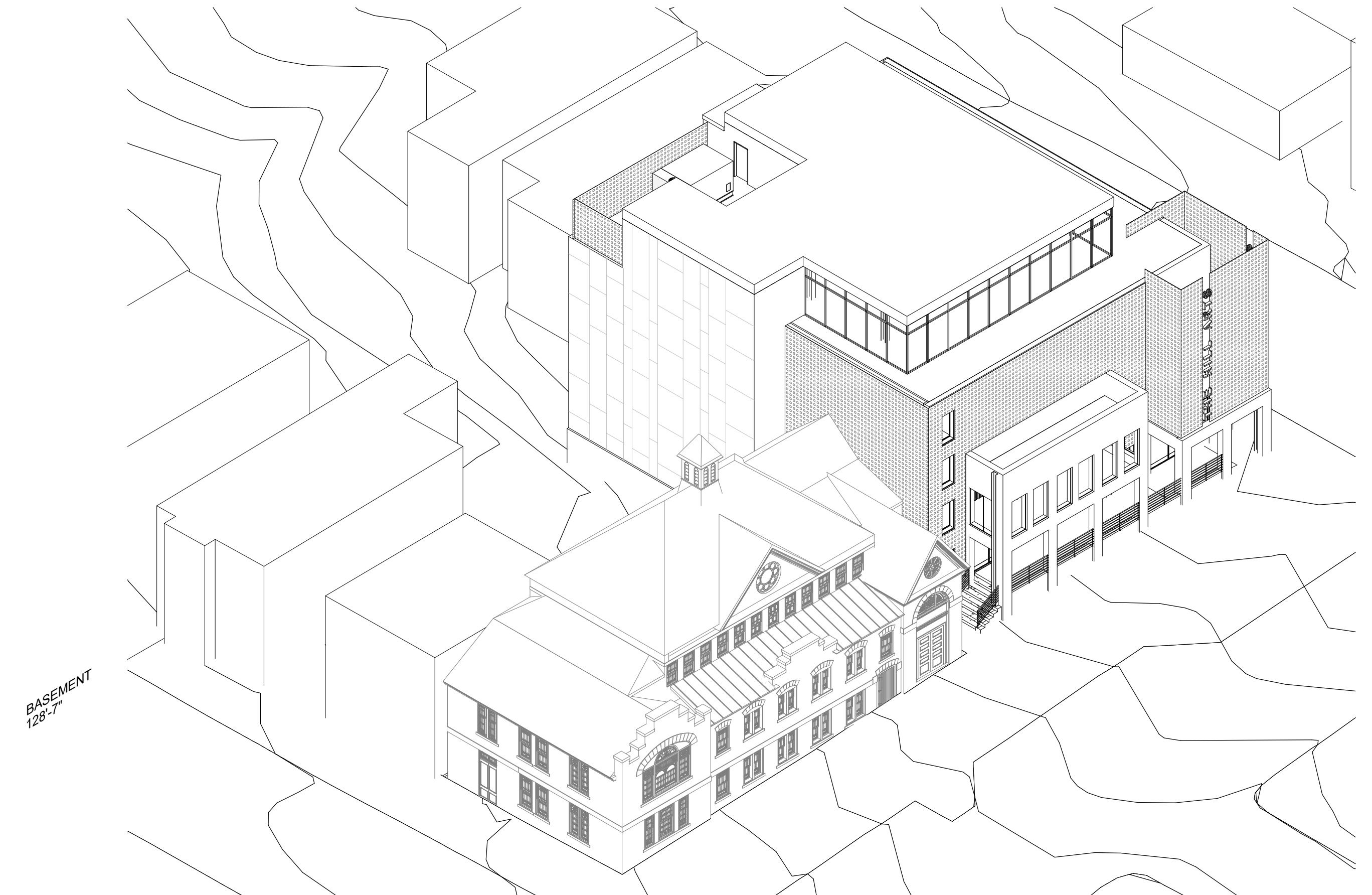
1 | AXON - SW



2 | AXON - NW



3 | AXON - SE



4 | AXON - NE

Prepared For:

Consultant:

Architect:

Project:

Revisions:

Scale:

Date: FEB 13, 2023

**ARCHETYPE
ARCHITECTS**
48 Union Wharf Portland, Maine 04101
(207) 772-6022 WWW.ARCHETYPE-ARCHITECTS.COM

THE HILL ARTS
76 CONGRESS STREET
PORTLAND, MAINE 04101

AXONS

A0.01

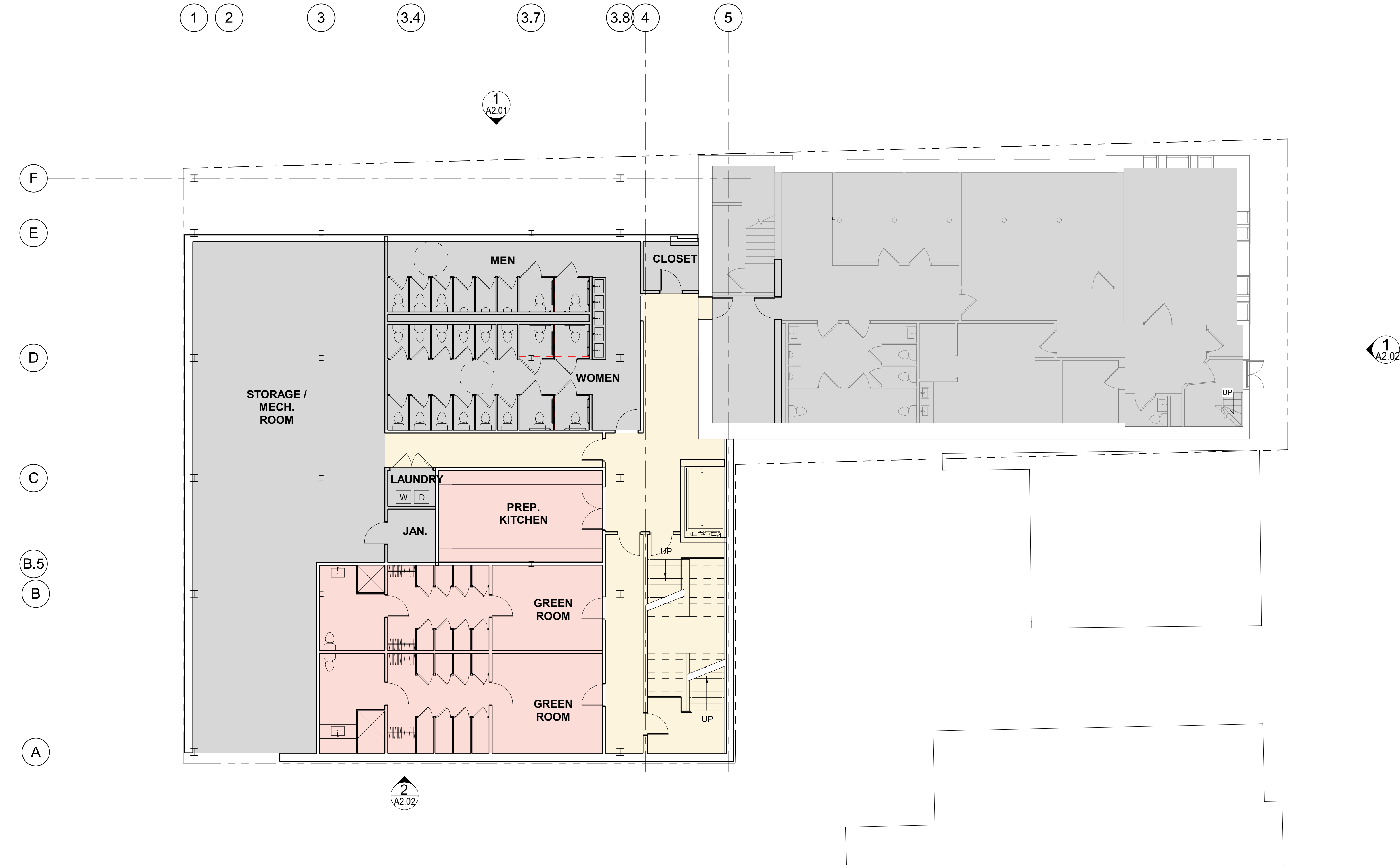


1 | NORTHWEST CORNER VIEW



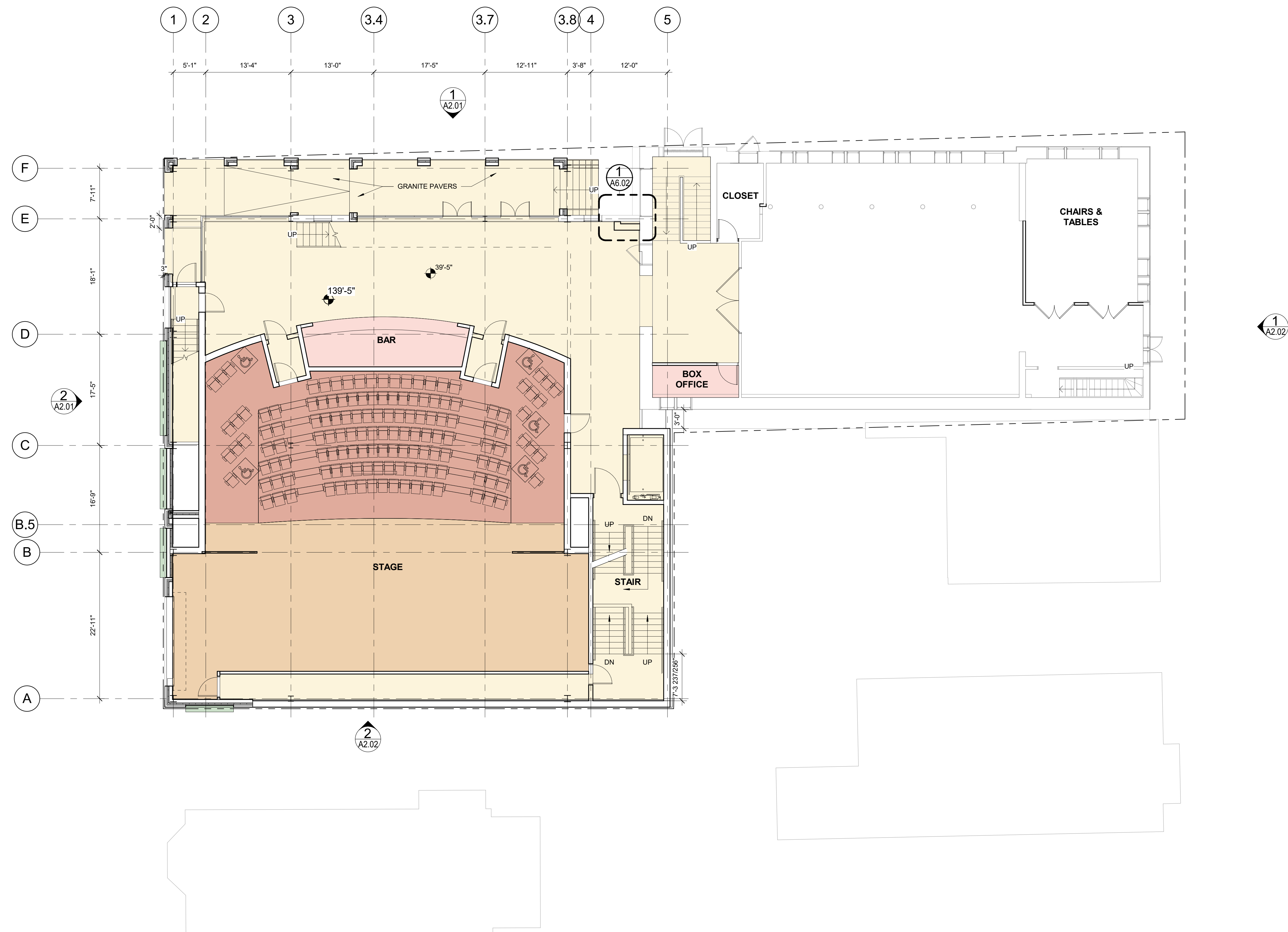
2 | NORTHEAST CORNER VIEW

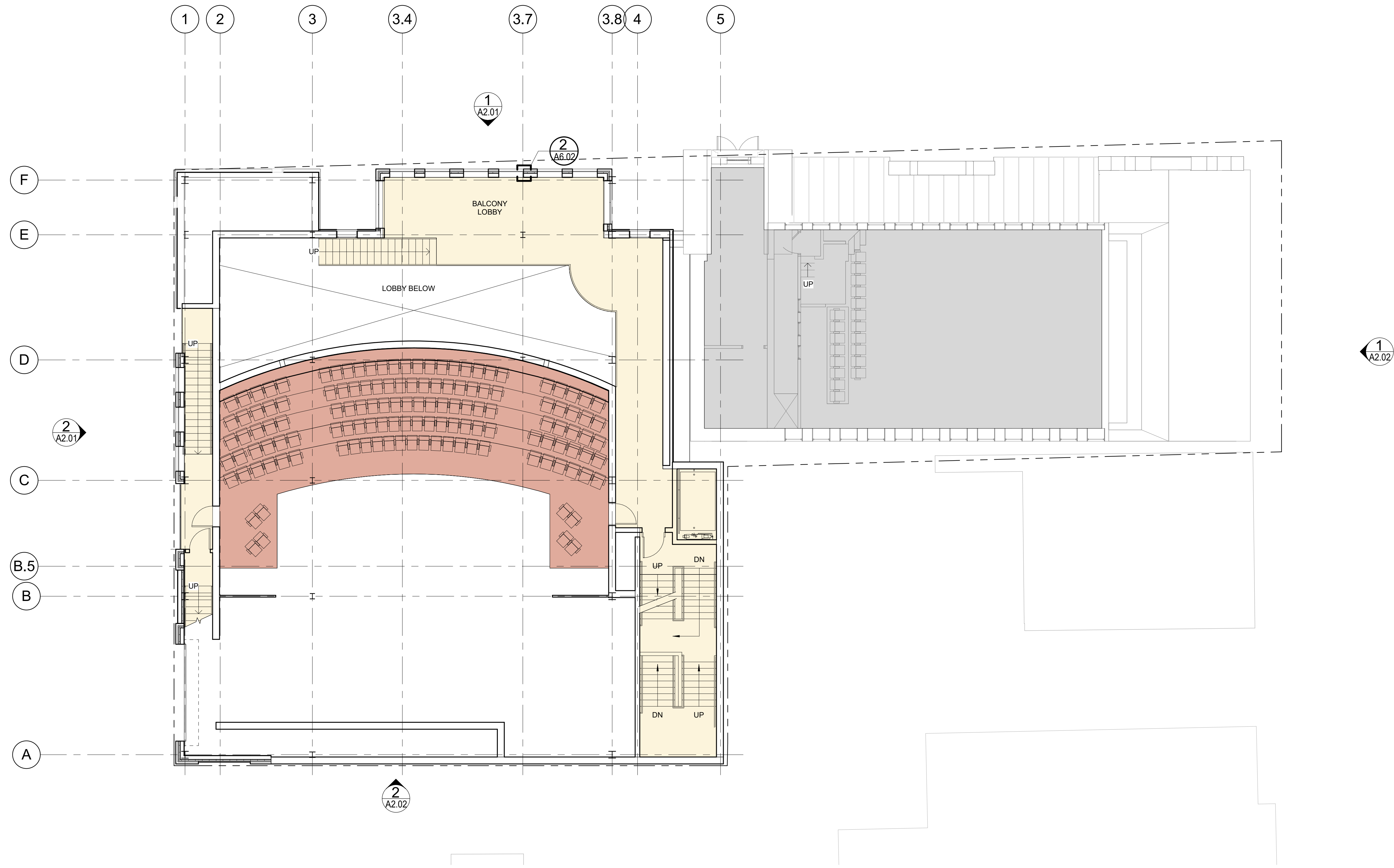
A0.02	Date: FEB 13, 2023	Scale:	Revisions:	Project: THE HILL ARTS 76 CONGRESS STREET PORTLAND, MAINE 04101	Architect: ARCHETYPE ARCHITECTS 48 Union Wharf Portland, Maine 04101 (207) 772-8022 WWW.ARCHETYPE-ARCHITECTS.COM	Consultant:	Prepared For:	
	STREET VIEWS							



1 | BASEMENT
1/8" = 1'-0"

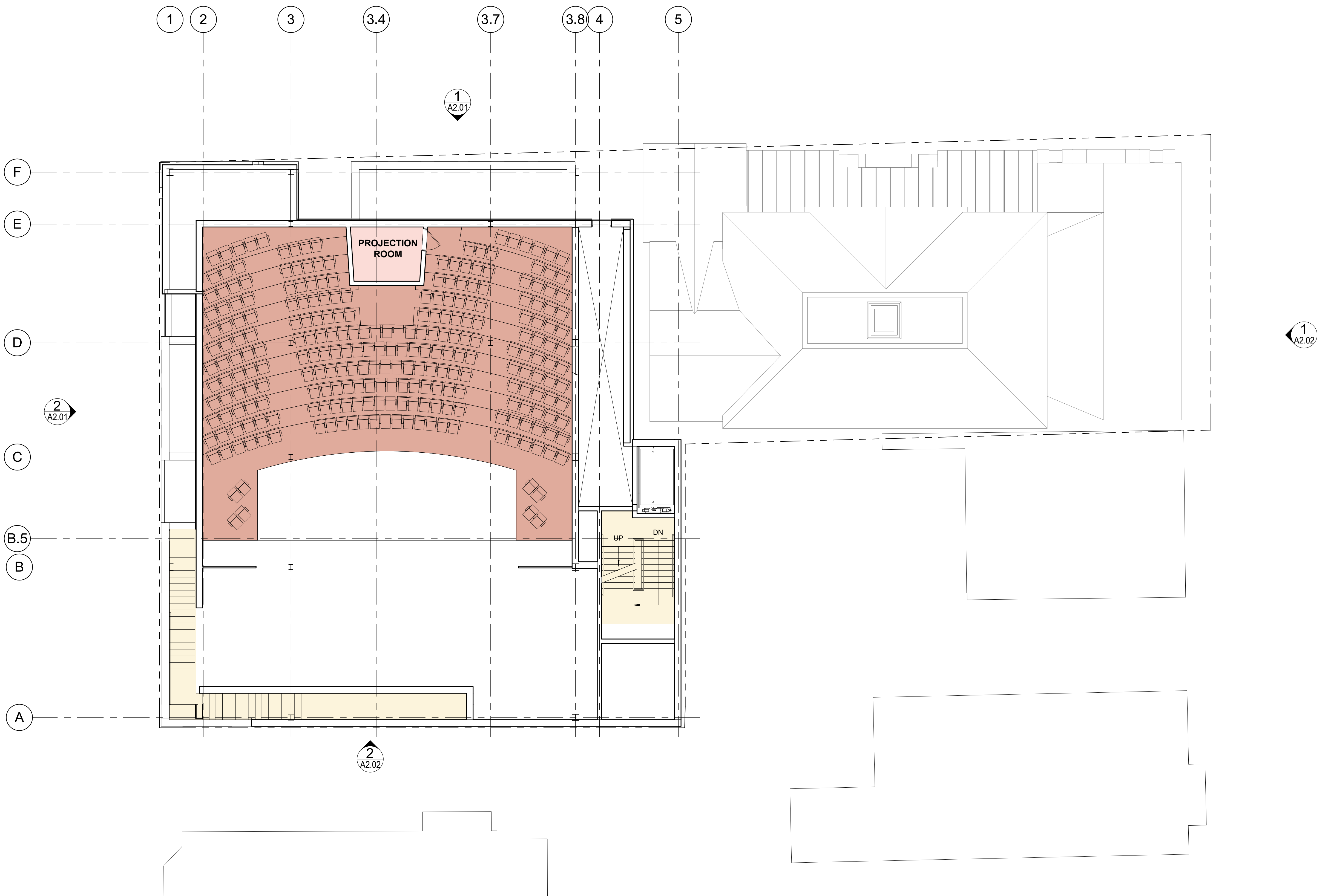
Date: FEB 13, 2023	Scale: 1/8" = 1'-0"	BASEMENT PLAN	Project: THE HILL ARTS 76 CONGRESS STREET PORTLAND, MAINE 04101	Architect: ARCHETYPE ARCHITECTS 48 Union Wharf Portland, Maine 04101 (207) 772-6022 WWW.ARCHETYPE-ARCHITECTS.COM	Consultant:	Prepared For:
A1.00						





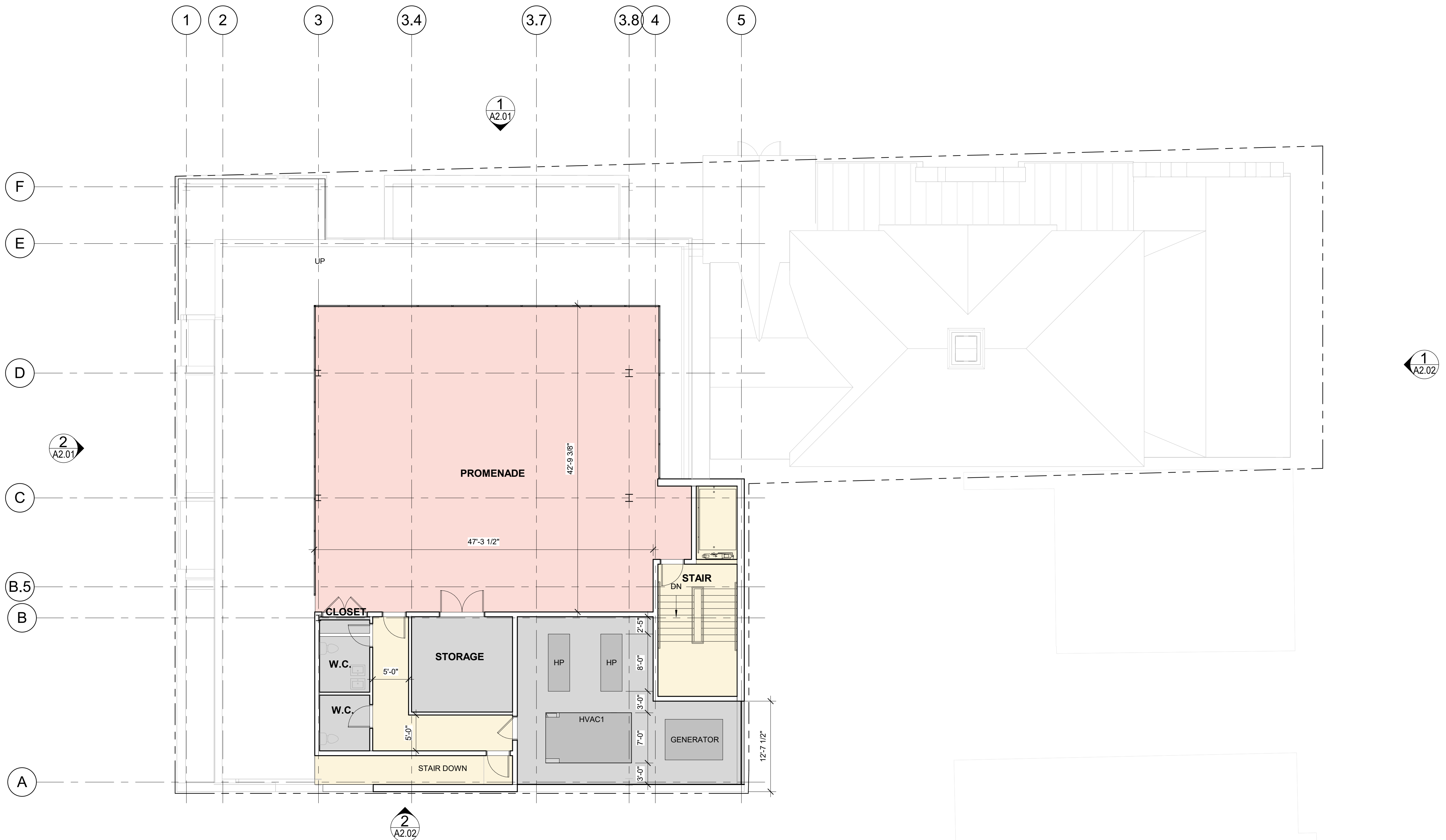
1 | UPPER LOBBY LEVEL
1/8" = 1'-0"

A1.02		Date: FEB 13, 2023	Scale: 1/8" = 1'-0"	UPPER BALCONY PLAN	Revisions:	Project:	Architect: ARCHETYPE ARCHITECTS 48 Union Wharf Portland, Maine 04101 (207) 772-6022 WWW.ARCHETYPE-ARCHITECTS.COM	Consultant:	Prepared For:	



1 | PROJECTION BOOTH
1/8" = 1'-0"

Date: FEB 13, 2023		Scale: 1/8" = 1'-0"		Revisions:		Project: THE HILL ARTS 76 CONGRESS STREET PORTLAND, MAINE 04101		Architect: ARCHETYPE ARCHITECTS 48 Union Wharf Portland, Maine 04101 (207) 772-6022 WWW.ARCHETYPE-ARCHITECTS.COM		Consultant:		Prepared For:	
INTERMEDIATE BALCONY PLAN				A1.03									



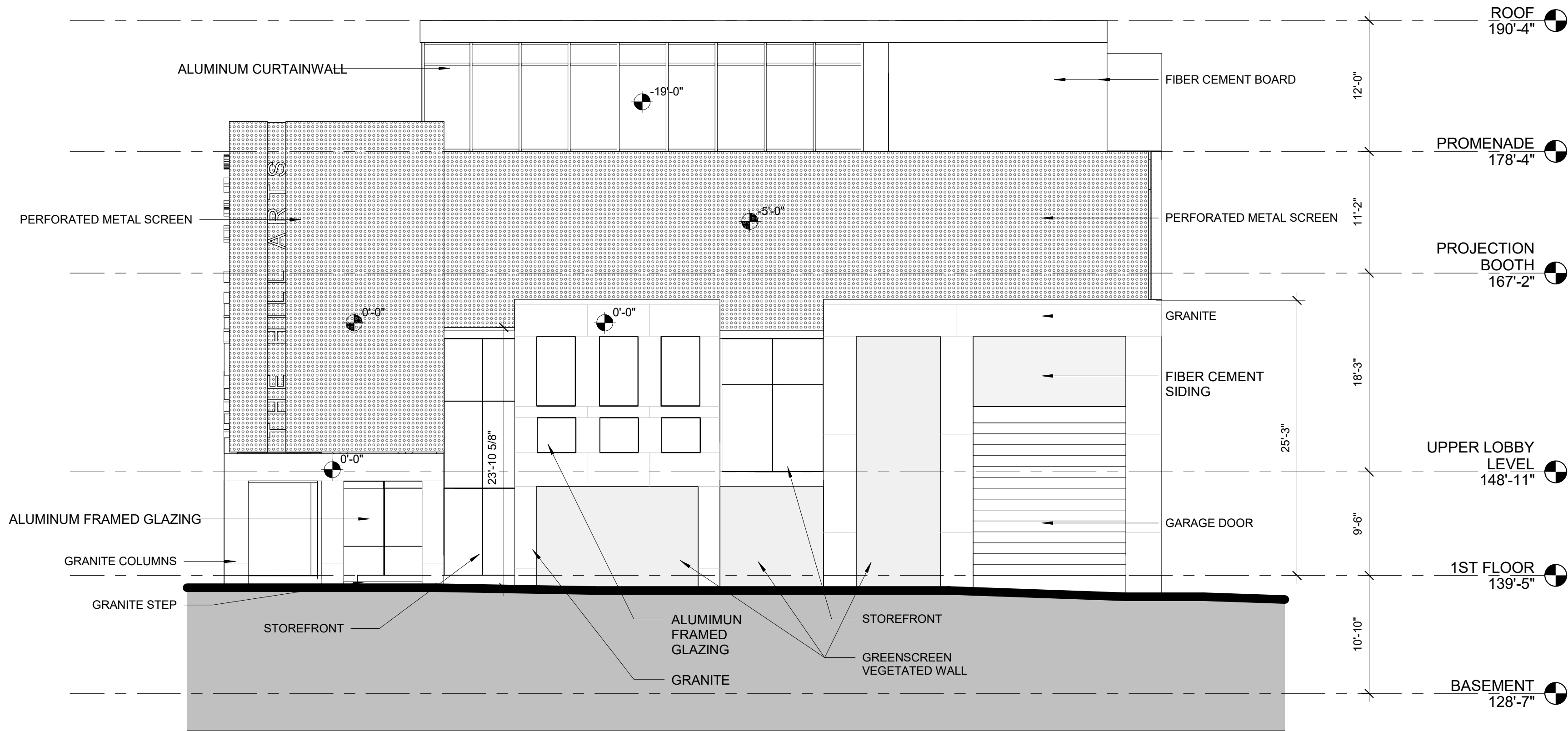
1 | PROMENADE
1/8" = 1'-0"

Date: FEB 13, 2023		Scale: 1/8" = 1'-0"		PROMENADE PLAN
Revisions:				
Project:		THE HILL ARTS		76 CONGRESS STREET PORTLAND, MAINE 04101
Architect:		ARCHETYPE ARCHITECTS		
Consultant:		48 Union Wharf Portland, Maine 04101 (207) 772-6022 WWW.ARCHETYPE-ARCHITECTS.COM		
Prepared For:				

A1.04



1 | NORTH ELEVATION
1/8" = 1'-0"



2 | WEST ELEVATION
1/8" = 1'-0"

Prepared For:

Consultant:

Architect:
**ARCHETYPE
ARCHITECTS**
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(207) 772-6022 WWW.ARCHETYPE-ARCHITECTS.COM

Project:

THE HILL ARTS

76 CONGRESS STREET
PORTLAND, MAINE 04101

Revisions:

Scale:
1/8" = 1'-0"

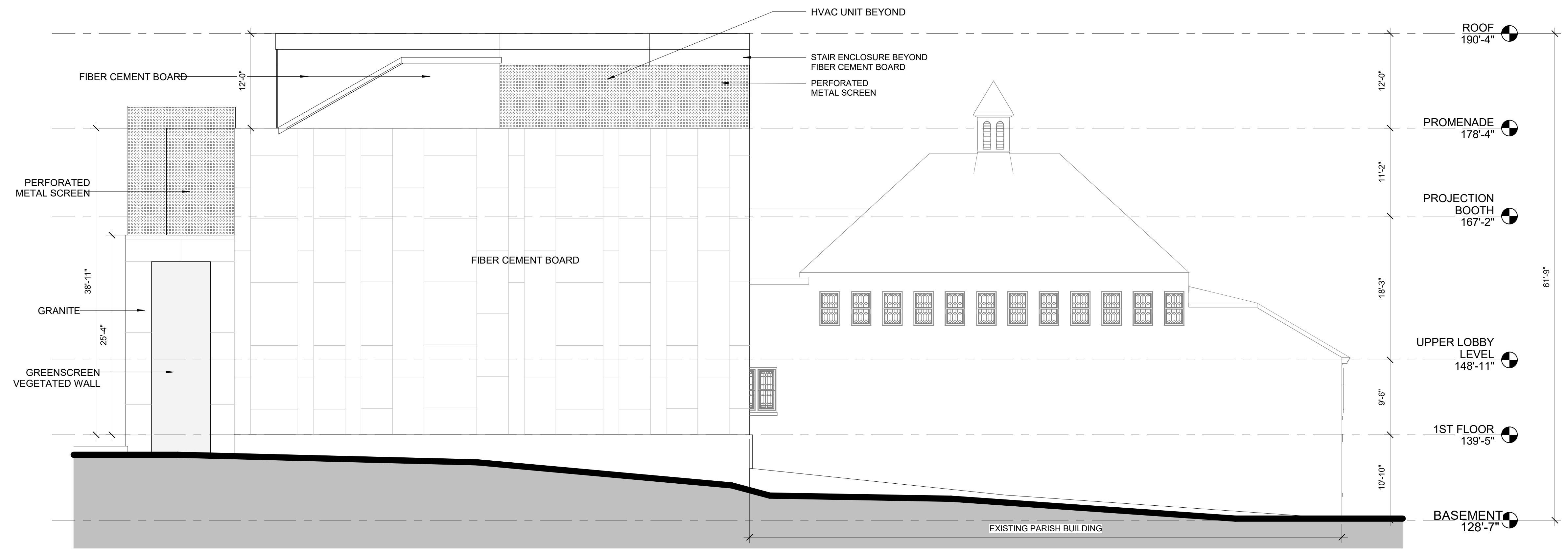
Date:
FEB 13, 2023

BUILDING ELEVATIONS

A2.01

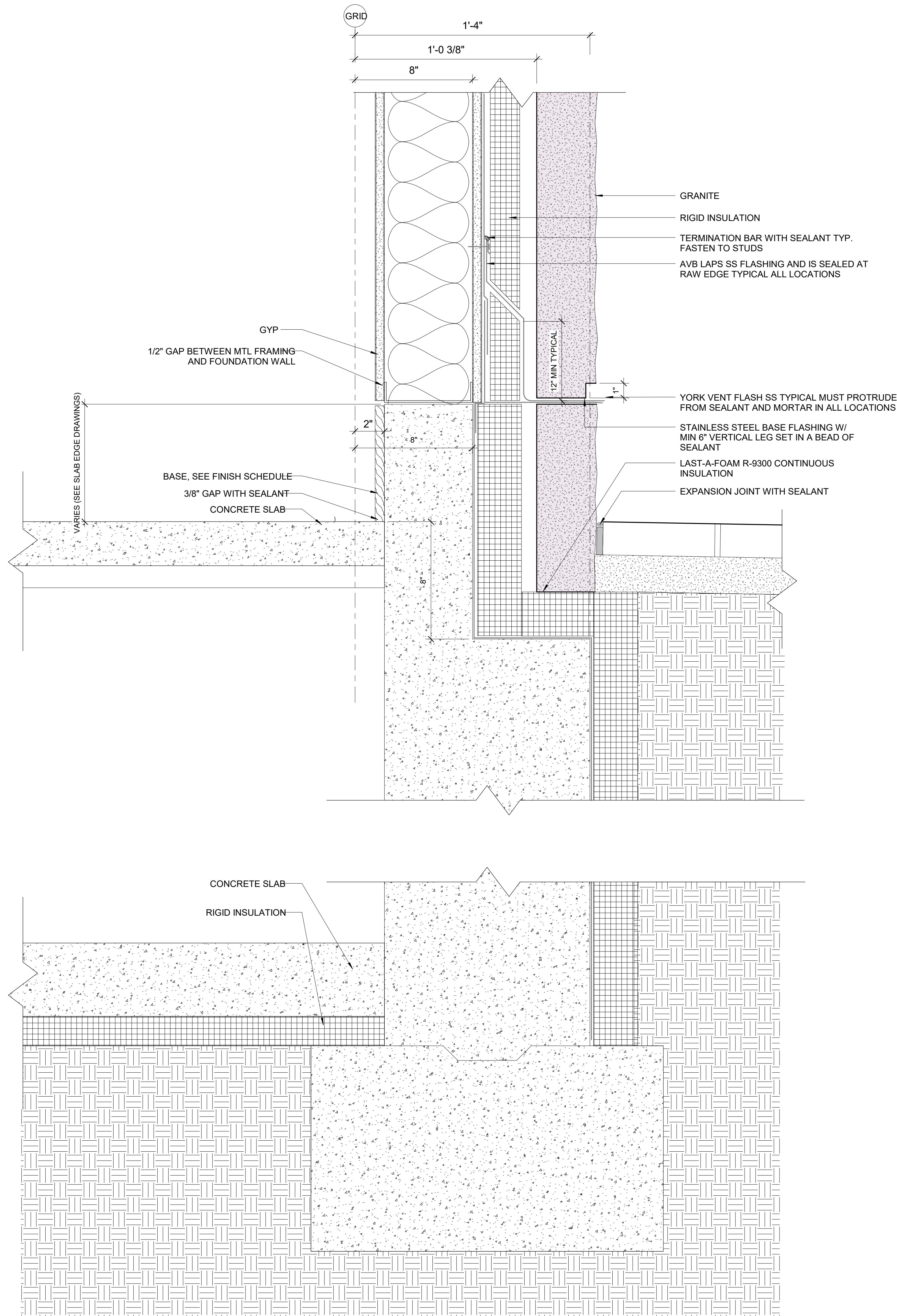


1 | EAST ELEVATION
1/8" = 1'-0"

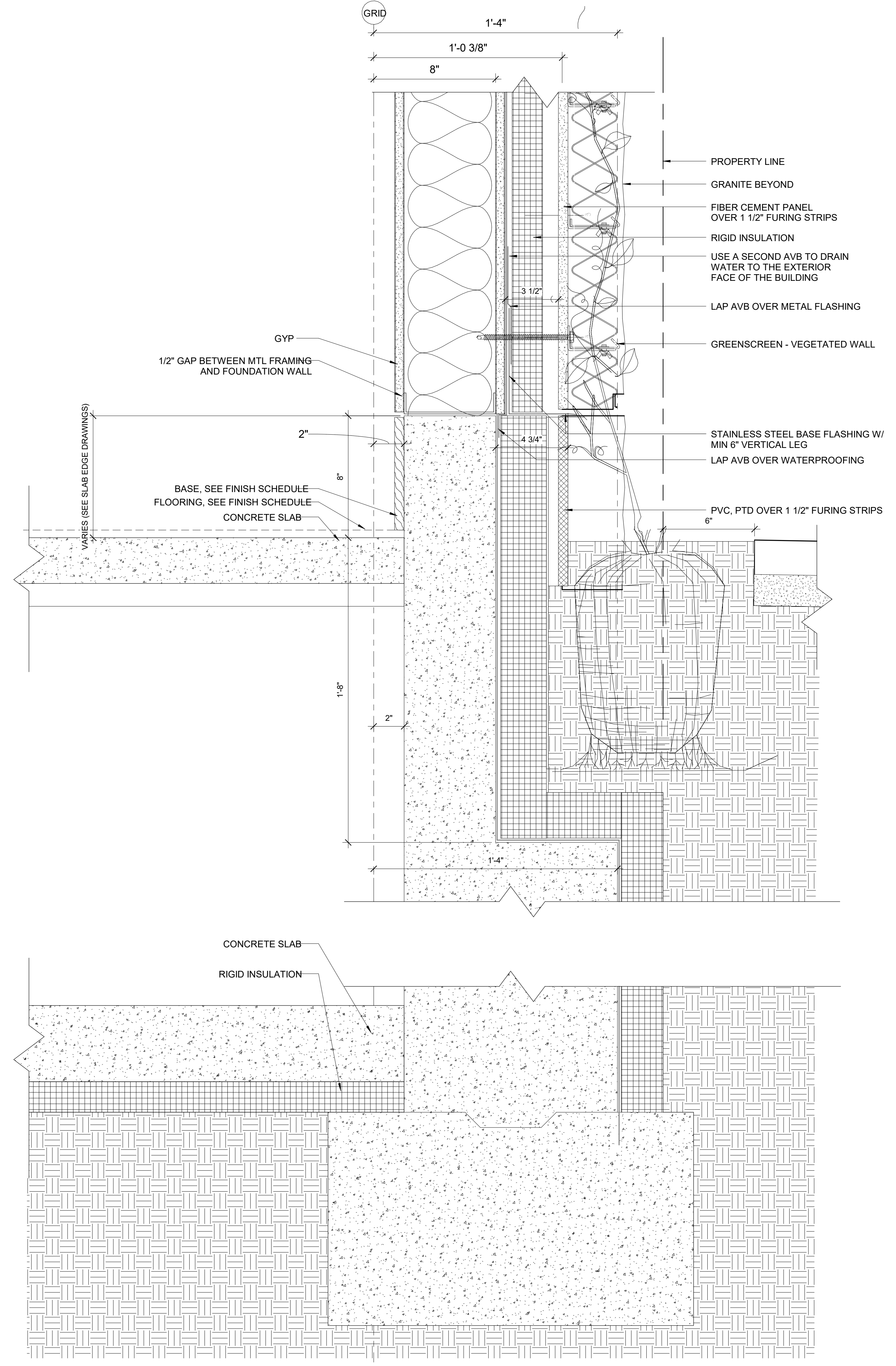


2 | SOUTH ELEVATION
1/8" = 1'-0"

Prepared For:	
Consultant:	
Architect:	ARCHETYPE ARCHITECTS 48 Union Wharf Portland, Maine 04101 (207) 772-6022 WWW.ARCHETYPE-ARCHITECTS.COM
Project:	THE HILL ARTS 76 CONGRESS STREET PORTLAND, MAINE 04101
Revisions:	
Date: FEB 13, 2023	Scale: 1/8" = 1'-0"
BUILDING ELEVATIONS	
A2.02	



2 | BASE OF WALL DETAIL AT GRANITE
3" = 1'-0"



1 | BASE OF WALL DETAIL AT GREENSCREEN
3" = 1'-0"

Prepared For:

Consultant:

Architect:

Project:

Revisions:

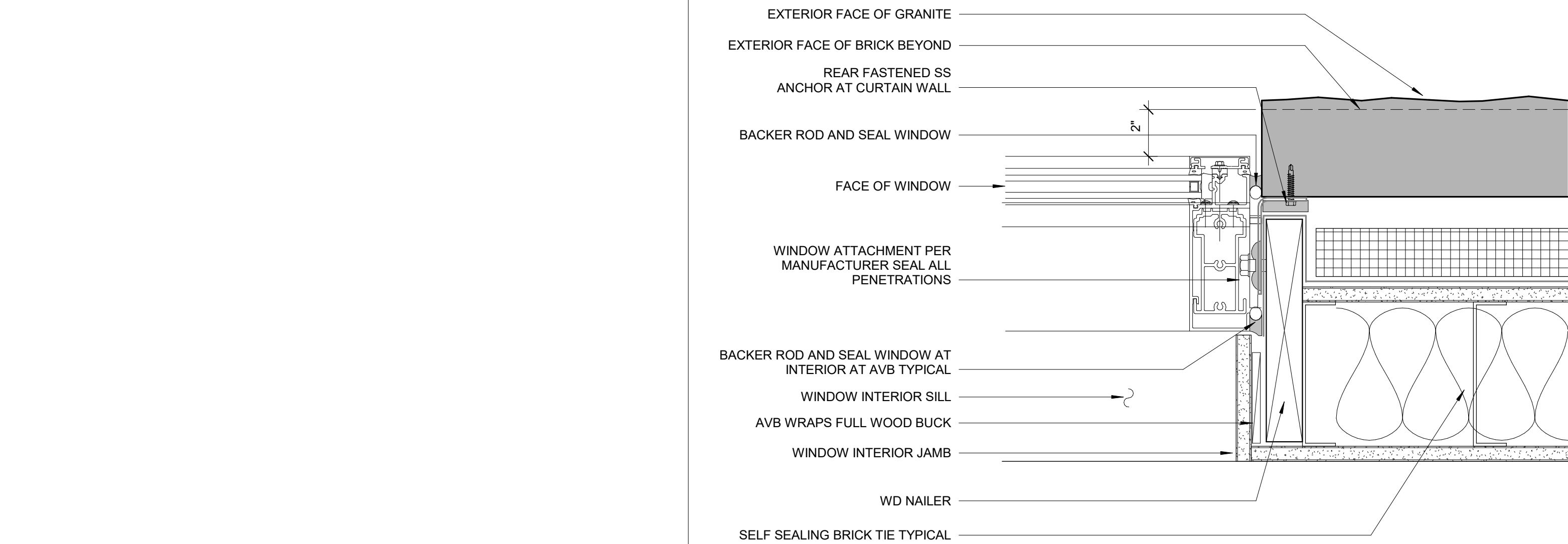
Date: FEB 13, 2023
Scale: 3" = 1'-0"

BASE OF WALL DETAILS

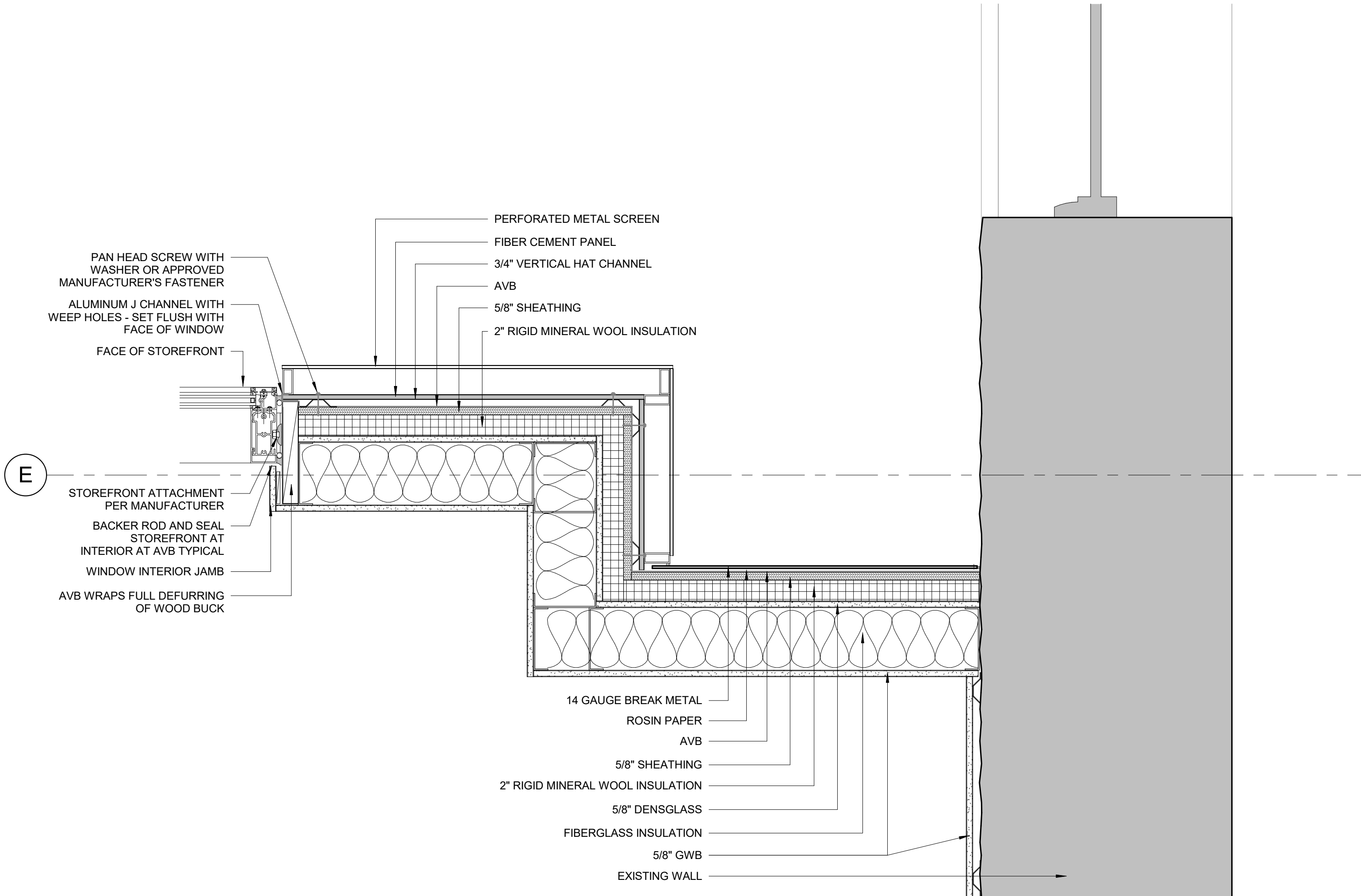
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THE HILL ARTS
76 CONGRESS STREET
PORTLAND, MAINE 04101

A6.01



2 | WINDOW DETAIL AT GRANITE
3" = 1'-0"

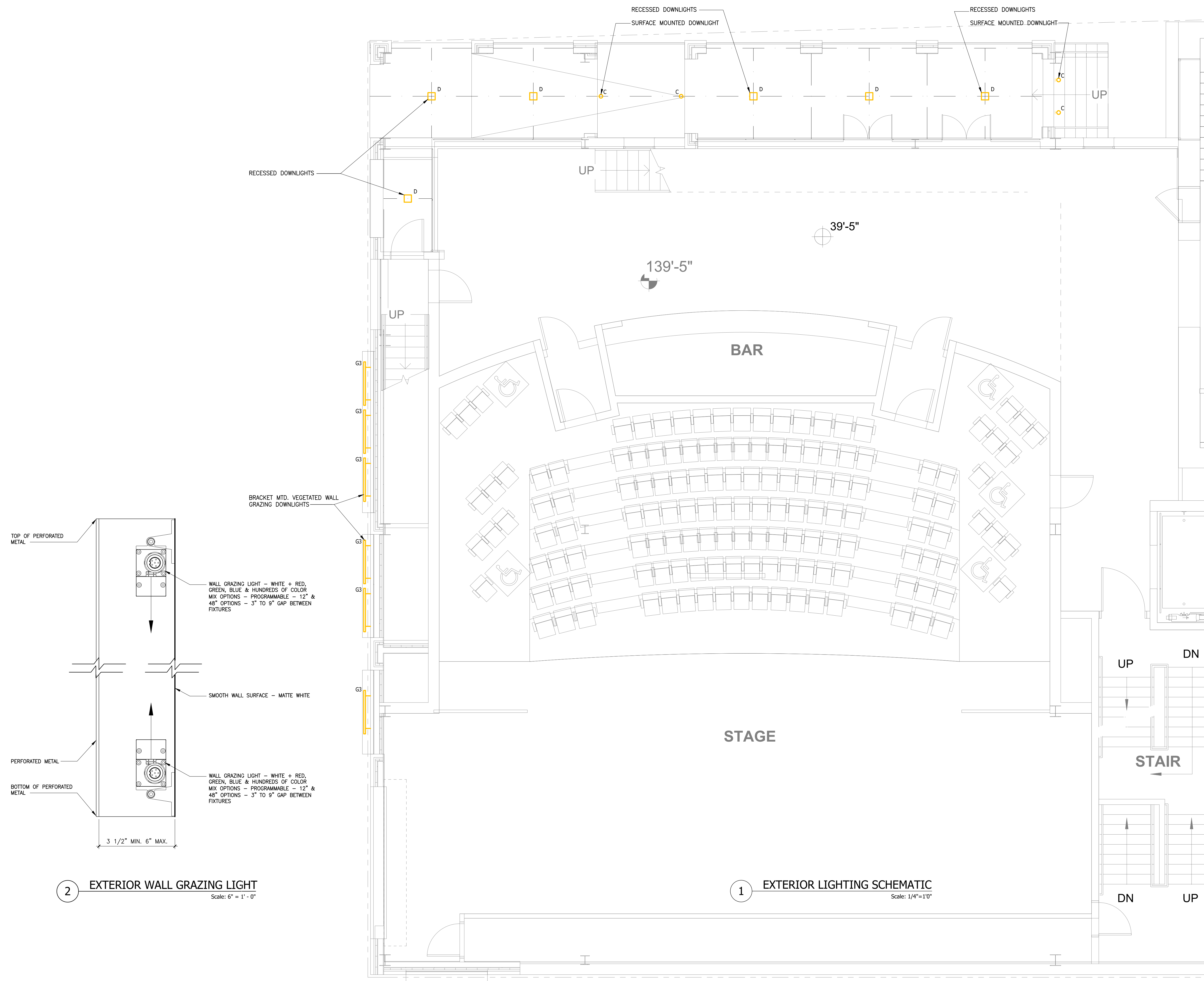


1 | PLAN DETAIL @ EXIST BLDG
1 1/2" = 1'-0"

A6.02		Date: FEB 13, 2023		Scale: As indicated	EXTERIOR DETAILS	Revisions:	Project: THE HILL ARTS 76 CONGRESS STREET PORTLAND, MAINE 04101	Architect: ARCHETYPE ARCHITECTS 48 Union Wharf Portland, Maine 04101 (207) 772-6022 WWW.ARCHETYPE-ARCHITECTS.COM	Consultant:	Prepared For:	

Portland, Maine

LT.1
Not For
Construction



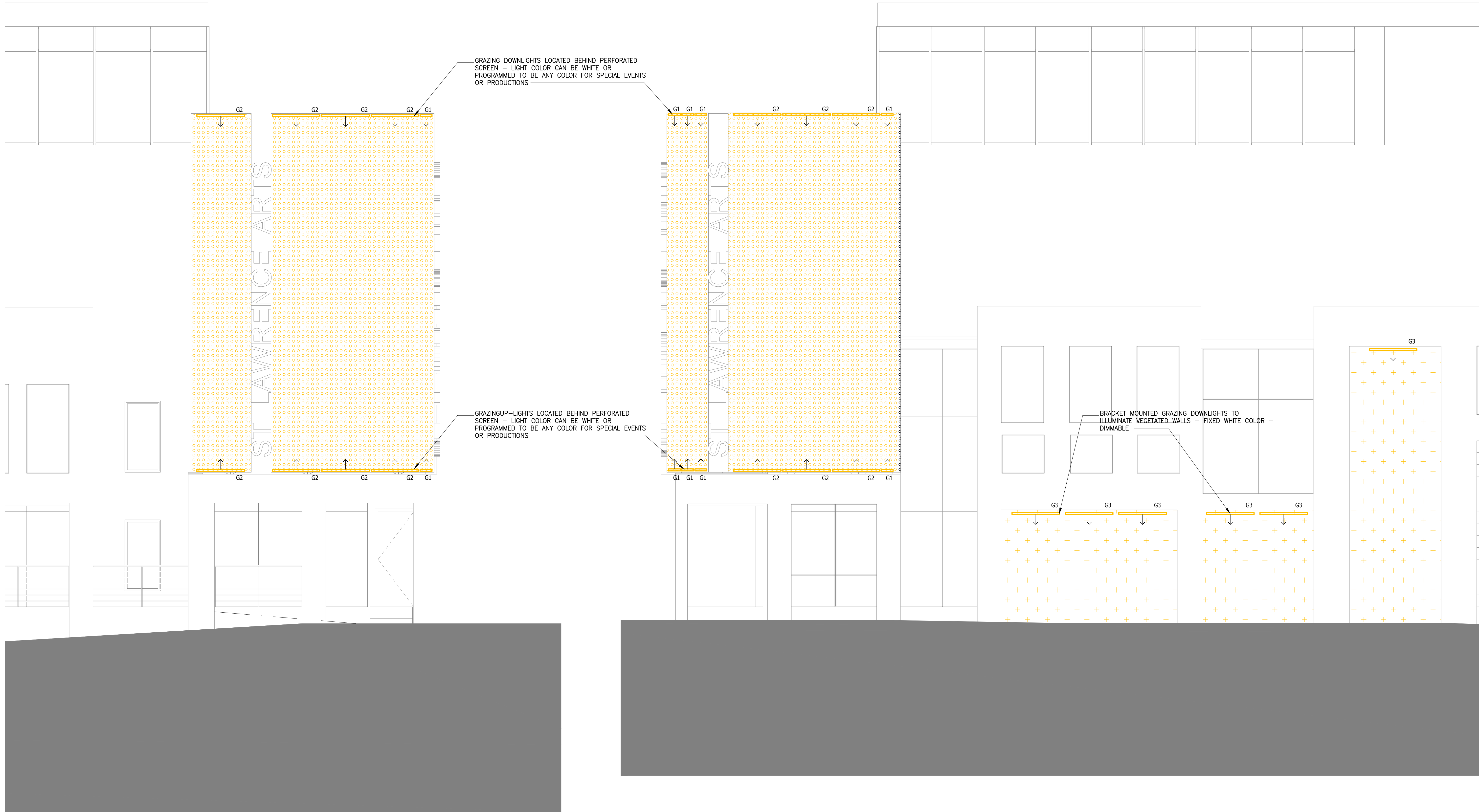
St Lawrence Arts

Portland, Maine

22 February 2023
Scale: As Noted

Drawing Title:
Lighting Plan

LT.2
Not For
Construction



2 NORTH SCHEMATIC LIGHTING ELEVATION
Scale: 1/4"=1'0"

1 WEST SCHEMATIC LIGHTING ELEVATION
Scale: 1/4"=1'0"



ST LAWRENCE ARTS CENTER - EXTERIOR LIGHTING INTENT

Our plan is to evenly graze internal matte white walls with light that will be visible through holes in the perforated metal façade panels at the northwest corner (sign corner) of the building. This will be visible in a subtle way coming from both directions on Congress Street. Also, the edges of the perforations will catch the light and reflect interesting, sparkling light (note: this will also happen with sun light during the day).

The standard light color will be warm white, 2700 kelvin. In addition, the lights can be programmed to emit any color to celebrate special events or holidays, or to represent the current production within the theater. These lights will be off during appropriate times for a residential neighborhood.

The intention is to provide 10 footcandles minimum and 20 footcandle maximum on the horizontal surface of the enclosed Entry walkway, ramp, and steps, with a minimum uniformity ratio of 3:1. There will be approximately an average of 1.25 footcandles (5.0fc max.) of spill light onto the adjacent sidewalks with no measurable light at adjacent properties.

There will also be a soft grazing light shining down on the vegetated wall segments on the Munjoy Street façade. These can be programmed to turn off when there is no vegetation if desired. These lights will also provide approximately an average of 1.25 footcandles (5.0fc max.) of light on the sidewalks with no measurable light at adjacent properties. These lights will also be off during appropriate times for a residential neighborhood.

Application

This wall mounted LED luminaire features a forward throw light distribution and is designed for the general illumination of pathways and walkways from various mounting heights. Downlight applications only.

Materials

Luminaire housing constructed of die-cast marine grade, copper free ($\leq 0.3\%$ copper content) A360.0 aluminum alloy
Clear safety glass with optical texture
High temperature silicone gasket
Mechanically captive stainless steel fasteners

NRTL listed to North American Standards, suitable for wet locations

Protection class IP 64

Weight: 3.7 lbs

Electrical

Operating voltage	120-277V AC
Minimum start temperature	-30° C
LED module wattage	13.9 W
System wattage	17 W
Controllability	0-10V dimmable
Color rendering index	Ra > 80
Luminaire lumens	1659 lumens (3000K)
Lifetime at Ta = 15° C	>500,000 h (L70)
Lifetime at Ta = 50° C	101,000 h (L70)

LED color temperature

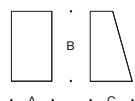
- ☐ 4000K - Product number + **K4**
- ☐ 3500K - Product number + **K35**
- ☐ 3000K - Product number + **K3**
- ☐ 2700K - Product number + **K27**

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

All BEGA standard finishes are matte, textured polyester powder coat with minimum 3 mil thickness.

Available colors ☐ Black (BLK) ☐ White (WHT) ☐ RAL:
☐ Bronze (BRZ) ☐ Silver (SLV) ☐ CUS:



LED wall luminaire · shielded with forward throw

	LED	A	B	C
33817	13.9 W	5 1/8"	9 1/8"	5 3/8"



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 09/10/18

Application

LED recessed ceiling luminaire with symmetric narrow beam light distribution. The patent pending 'vortex reflector' rotates a parabolic reflector around the vertical axis to form a complex vortex shape. This vortex balances maximum efficiency with optimal glare control while eliminating shadows and artifacts in a uniquely sharp square distribution.

Materials

Luminaire housing and faceplate constructed of die-cast marine grade, copper free ($\leq 0.3\%$ copper content) A360.0 aluminum alloy
Clear safety glass
Reflector surface made of pure anodized aluminum
Silicone applied robotically to casting, plasma treated for increased adhesion
High temperature silicone gasket
Mechanically captive stainless steel fasteners
Stainless steel screw clamps
Galvanized steel rough in ceiling pan with through wiring box

NRTL listed to North American Standards, suitable for wet locations

Protection class IP 65

Weight: 1.8lbs

Electrical

Operating voltage	120-277V AC
Minimum start temperature	-20° C
LED module wattage	17.8 W
System wattage	22 W
Controllability	0-10V dimmable
Color rendering index	Ra > 85
Luminaire lumens	1295 lumens (3000K)
Lifetime at Ta = 15° C	172,000 h (L70)
Lifetime at Ta = 30° C	73,000 h (L70)

LED color temperature

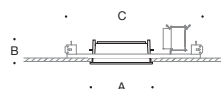
- ☐ 4000K - Product number + **K4**
- ☐ 3500K - Product number + **K35**
- ☐ 3000K - Product number + **K3**
- ☐ 2700K - Product number + **K27**

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Available colors ☐ Black (BLK) ☐ White (WHT) ☐ RAL:
☐ Bronze (BRZ) ☐ Silver (SLV) ☐ CUS:



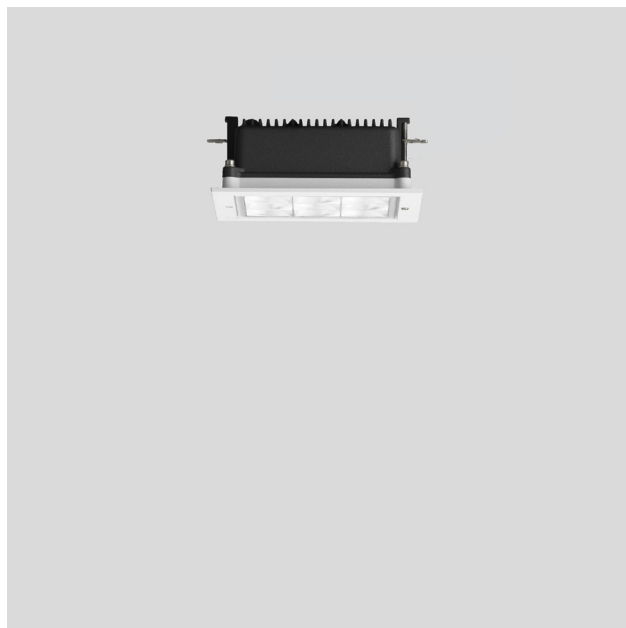
LED recessed ceiling downlight · vortex reflector · symmetric narrow beam

	LED	β	A	B	C
24 802	17.8 W	28°	6 1/8	4 1/2	20 1/2

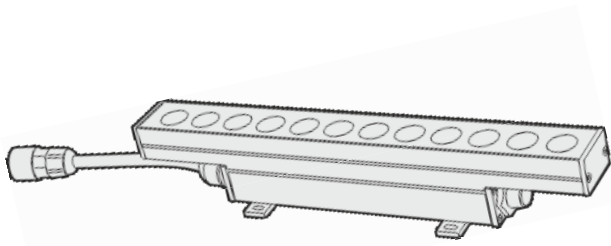
β = Beam angle

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 10/30/18



AL GRAZE AC™



Client:

Project:

Type:

Order Code:

Quantity:

The **AL Graze AC** is a high power, low profile, outdoor linear LED fixture. Featuring a robust IP66 housing, on-board AC + DMX driver, and linkable cable system, it is the perfect option for any structure that calls for indoor or outdoor linear grazing.

SPECIFICATIONS

Color	2700K, 3000K, 3500K, 4000K, RGB, RGBW, RGBA, DW (2400K-5500K)
Beam Angle	10° x 60°, 30° x 60°, 10° x 10°, 60° x 60°, 20° Asymmetric Wall Wash
Max Fixtures In Series	50' @ 120V, 100' @ 230-277VAC
Total Lumens	419 per foot (4000K, 30° x 60° 1')
Control	DMX-512 (internal), 0-10V (via external UDM)
Mounting	30° Swivel Mount and Fixed Flat Mount Included
Power Consumption	9W per linear foot
Operating Voltage	100-277VAC
Lumen Maintenance	L70 @ 150,000 Hours (25° C)
Finish	Silver, Anodized Aluminum
Housing Material	Aluminum body; Glass Top Lens
Operating Temperature	-4°F to 123°F (-20°C to 50°C)
IP Rating	IP66, Wet or Dry Location
Fixture Connectors	Multipin IP66 Connectors, End to end jumpers attached to each fixture
Warranty	5 Years
Weight	1' - 1.25 lbs / 0.6 kg, 4' - 5 lbs / 2.3 kg
Dimensions	See dimensions section on page 2 for options

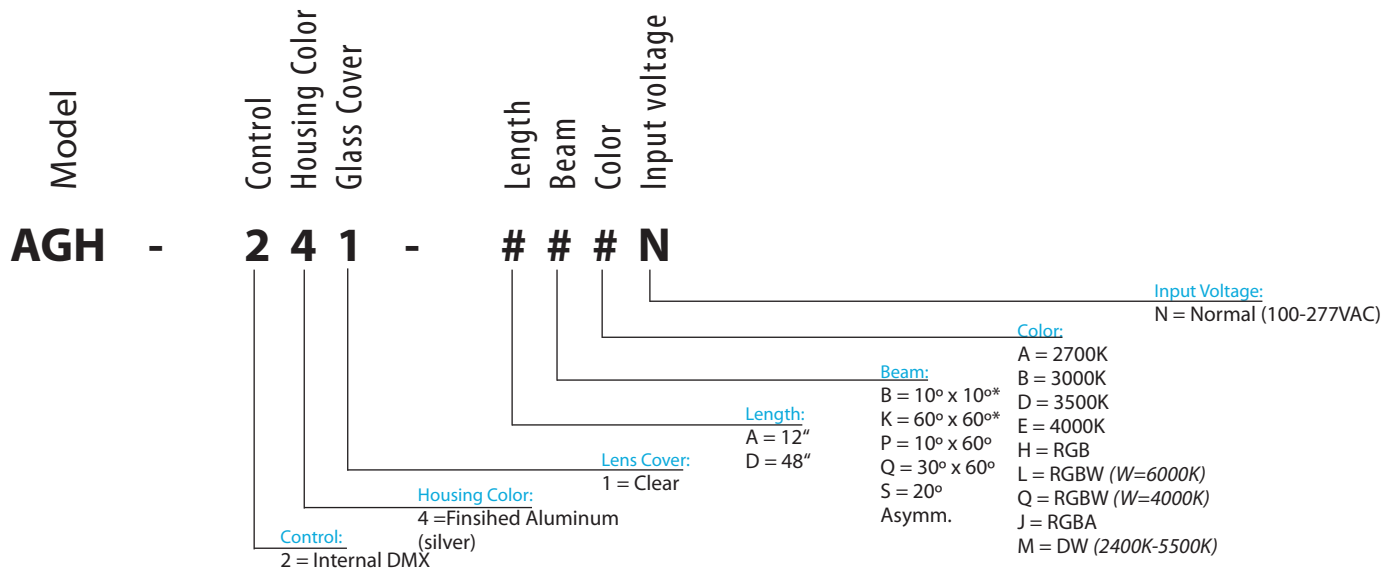
Certifications



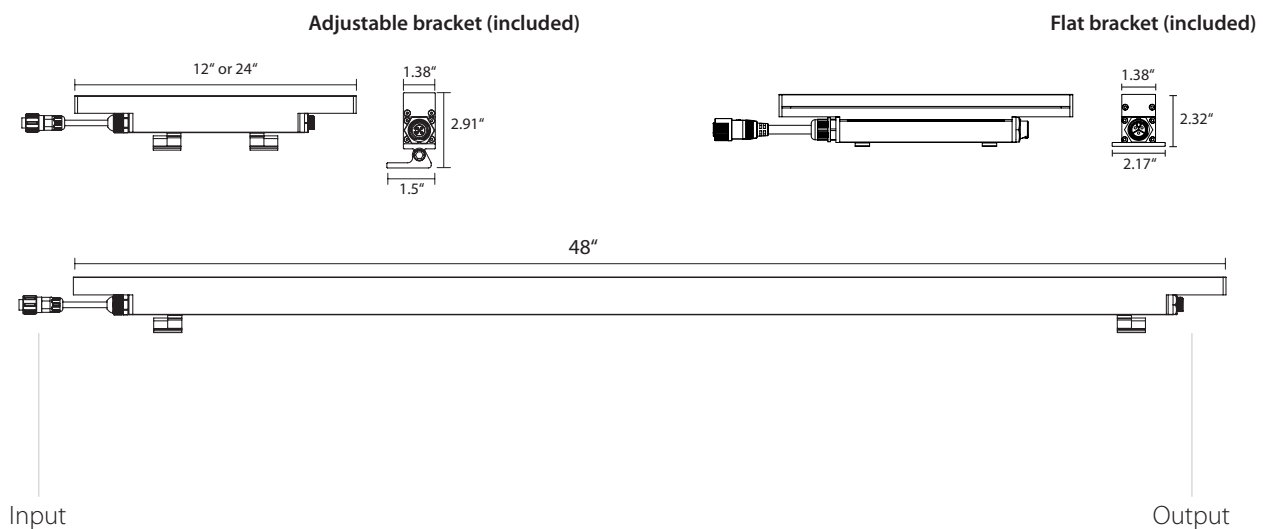
AL GRAZE AC™

ORDER CODES

* Indicates Special Order



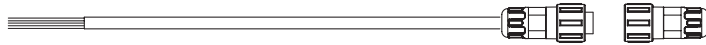
DIMENSIONS



AL GRAZE AC™

RELATED COMPONENTS

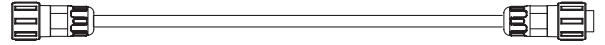
Connection Cables



H6FC10

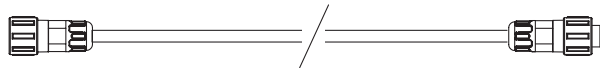
10' Feed Cable For AL Graze AC + End Cap

Powers up to 50' @ 120VAC



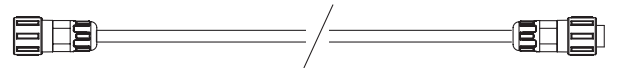
H6LC1

1' Link Cable for AL Graze AC



H6LC5

5' Link Cable for AL Graze AC



H6LC10

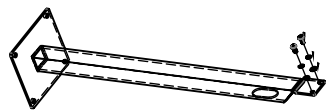
10' Link Cable for AL Graze AC



H6EC

End Cap for AL Graze AC

Mounting Accessories



AGEB6

AL Graze Extender Bar 6"

AGEB12

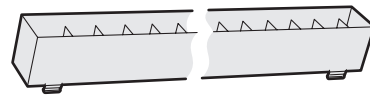
AL Graze Extender Bar 12"

AGEB18

AL Graze Extender Bar 18"

AGEB24

AL Graze Extender Bar 24"



AGLV12

12" Louver for AL Graze AC

AGLV48

48" Louver for AL Graze AC

AG90MB

90 Degree Mounting Bracket for AL Graze AC



AGS1

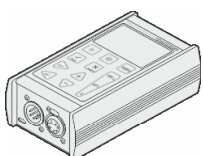
12" Single Sided Glare Shield for AL Graze AC



AGS4

48" Single Sided Glare Shield for AL Graze AC

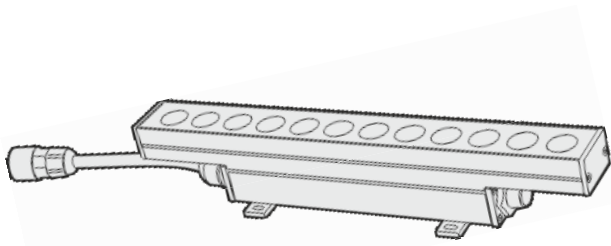
Fixture Setup Accessories



XMT350

DMX + RDM Addressing and Testing Tool

AL GRAZE AC™



Client:

Project:

Type:

Order Code:

Quantity:

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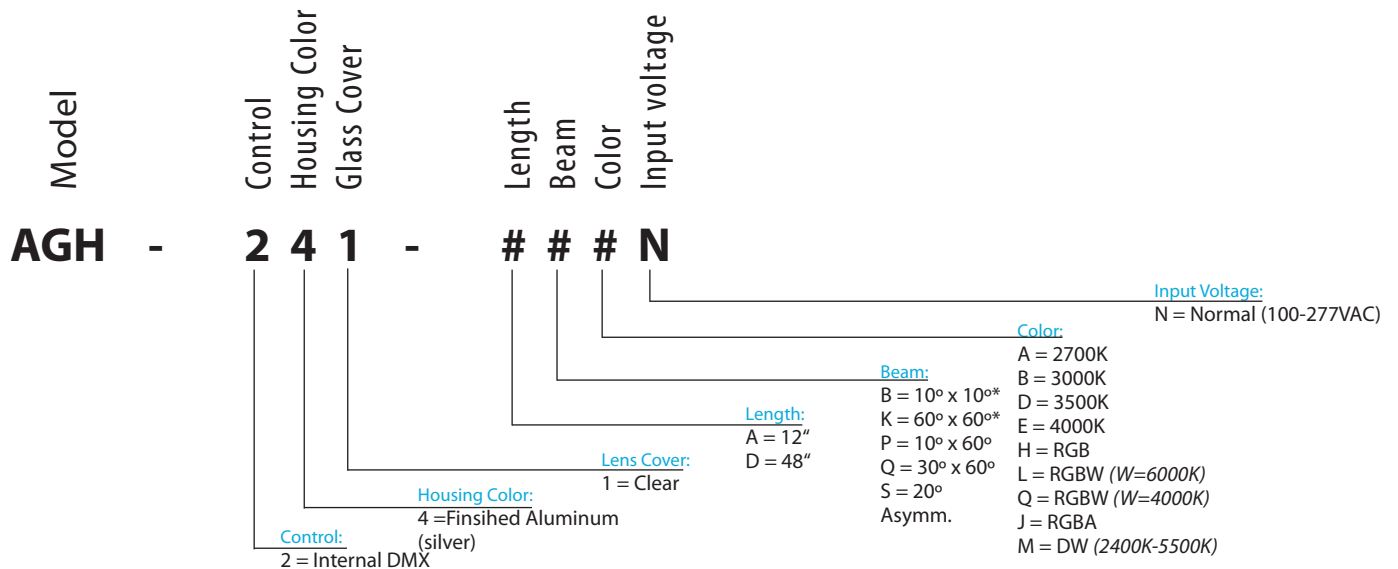
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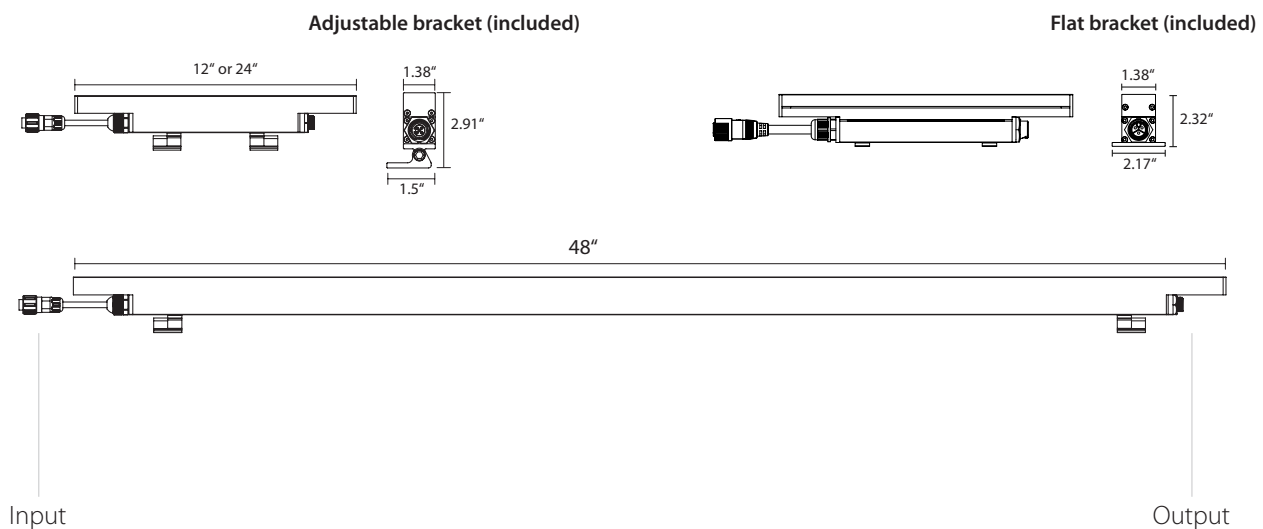
AL GRAZE AC™

ORDER CODES

* Indicates Special Order



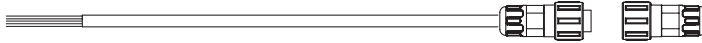
DIMENSIONS



AL GRAZE AC™

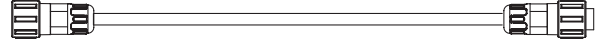
RELATED COMPONENTS

Connection Cables



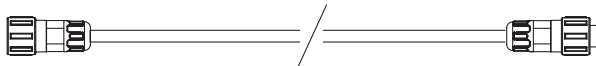
H6FC10

10' Feed Cable For AL Graze AC + End Cap
Powers up to 50' @ 120VAC



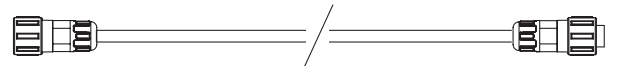
H6LC1

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5' Link Cable for AL Graze AC



H6LC10

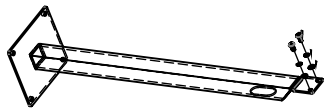
10' Link Cable for AL Graze AC



H6EC

End Cap for AL Graze AC

Mounting Accessories



AGEB6

AL Graze Extender Bar 6"

AGEB12

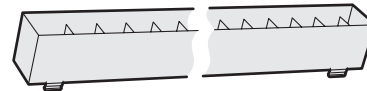
AL Graze Extender Bar 12" **Type G3**

AGEB18

AL Graze Extender Bar 18"

AGEB24

AL Graze Extender Bar 24"



AGLV12

12" Louver for AL Graze AC

AGLV48

48" Louver for AL Graze AC

Type G3

AG90MB

90 Degree Mounting Bracket for AL Graze AC



AGS1

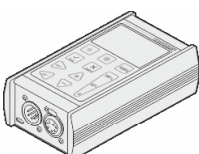
12" Single Sided Glare Shield for AL Graze AC



AGS4

48" Single Sided Glare Shield for AL Graze AC

Fixture Setup Accessories



XMT350

DMX + RDM Addressing and Testing Tool

**STAFF MEMORANDUM
HISTORIC PRESERVATION PROGRAM
PLANNING AND URBAN DEVELOPMENT**



TO: Chair O'Brien and Members of the Historic Preservation Board
FROM: Evan R. Schueckler, Historic Preservation Program Manager
DATE: April 14, 2023
RE: Revised Remote Participation Policy of the Historic Preservation Board
PROJECT ID: N/A
MEETING: April 19, 2023

A legal ad was published in the Portland Press Herald on April 7, 2023 and April 8, 2023 the Historic Preservation Board's meeting on April 19, 2023.

PREVIOUS REVIEW BY HISTORIC PRESERVATION BOARD

July 28, 2021, Public Hearing:

The Historic Preservation Board voted to adopt the current Remote Participation Policy.
(Attachment 1)

On July 28, 2021, the Historic Preservation Board adopted the current Remote Participation Policy in response to the Covid 19 Pandemic and the need for virtual meetings and remote participation. The adopted policy paralleled the Council adopted policy, following guidance from Corporation Council.

Since then, the Maine Legislature has amended the law allowing remote participation in public meetings (1 M.R.S. § 403-B) to allow remote participation under broadened circumstances. With the adoption of the revised Remote Participation Policy (Attachment 2), meetings of the Historic Preservation Board may continue to be held with the option of remote participation in most circumstances.

For reference, the City Council Memo regarding and order adopting a revised Remote Participation Policy for Council have been included. City Council adopted their revised Policy on February 6, 2023.

MOTION FOR CONSIDERATION

I move to APPROVE the revised Remote Participation Policy of the Historic Preservation Board as presented.

ATTACHMENTS

1. Current Remote Participation Policy
2. Revised Remote Participation Policy
3. City Council Memo regarding revised Remote Participation Policy
4. Council Order adopting revised Remote Participation Policy

REMOTE PARTICIPATION POLICY

HISTORIC PRESERVATION BOARD CITY OF PORTLAND, MAINE

Pursuant to 1 M.R.S. § 403-B, and after public notice and hearing, the above-named body adopts the following policy to govern the participation, via remote methods, of members of the body and the public in the public proceedings or meetings of the City of Portland Zoning Board of Appeals (hereinafter, "body").

Members of the body are expected to be physically present for meetings except when not practicable, such as in the case of an emergency or urgent issue that requires the body to meet via remote methods, or an illness or temporary absence of a member that causes significant difficulty traveling to the meeting location. The chair or presiding officer of the body, in consultation with other members if appropriate and possible, will make a determination that remote methods of participation are necessary in as timely a manner as possible under the circumstances. A member who is unable to attend a meeting in person will notify the chair or presiding officer of the body as far in advance as possible.

Remote methods of participation may include telephonic or video technology allowing simultaneous reception of information and may include other means necessary to accommodate disabled persons. Remote participation will not be by text-only means such as e-mail, text messages, or chat functions.

The public, City staff, and applicants will be provided a meaningful opportunity to attend via remote methods when any member of the body participates via remote methods or when remote methods are available at a given body meeting. If public input is allowed or required at the meeting, an effective means of communication between the body and the public will also be provided. The public will also be provided an opportunity to attend the meeting in person unless there is an emergency or urgent issue that requires the entire body to meet using remote methods.

Notice of all meetings will be provided in accordance with 1 M.R.S. § 406 and any applicable charter, ordinance, policy, or bylaw. When the public may attend via remote methods, notice will include the means by which the public may access the meeting remotely and will provide a method for disabled persons to request necessary accommodation to access the meeting. Notice will also identify a location where the public may attend the meeting in person. The body will not restrict public attendance to remote methods except in the case of an emergency or urgent issue that requires the body to meet using remote methods of attendance.

The body will make all documents and materials to be considered by the body available, electronically or otherwise, to the public who attend remotely to the same extent customarily available to the public who attend in person, provided no additional costs are incurred by the body.

All votes taken during a meeting using remote methods will be by roll call vote that can be seen and heard if using video technology, or heard if using audio technology only, by other members of the body and the public. A member of the body who participates remotely will be considered present for purposes of a quorum and voting.

This policy will remain in force indefinitely unless amended or rescinded.

Date: July 21, 2021

Chair

Vice Chair

REMOTE PARTICIPATION POLICY
OF THE
HISTORIC PRESERVATION BOARD

ADOPTED on _____, 2023

Pursuant to 1 M.R.S. § 403-B, and after public notice and a hearing, the Historic Preservation Board of the City of Portland, Maine, hereby adopts the following policy to govern remote methods of participation in public proceedings or meetings (collectively, “meetings”) of the Historic Preservation Board (hereinafter collectively referred to as the “Board”).

In addition to conducting meetings with in-person participation, the Board conducts meetings with two other types of participation: remote and hybrid.

Remote meetings allow Board members and the public to participate only by telephonic or video technology allowing simultaneous reception of information, but may include other means necessary to accommodate disabled persons (referred to herein as “remote methods of participation”). Remote meetings will not be by text-only means such as e-mail, text messages, or chat functions.

Hybrid meetings allow Board members and the public to participate in-person or by remote methods of participation. Members of the Board are encouraged to participate in-person for hybrid meetings.

Prior to each meeting, the Chair or other presiding officer, in consultation with other members of the Board if appropriate and possible, will determine whether participation at a meeting will be in person, remote, or hybrid in as timely a manner as possible under the circumstances. Any Board member who is unable to attend a meeting in-person will notify the Chair or other presiding officer as far in advance as possible.

The public, City staff and applicants before the Board will be provided a meaningful opportunity to attend a meeting via remote methods of participation when any member of the Board participates via remote methods or when remote methods are available and operational at a given Board meeting. If public input via remote methods is allowed or required at a meeting, an effective means of communication between the Board and the public will also be provided. The public will also be provided an opportunity to attend the meeting in person unless there is an emergency or urgent situation that requires the entire Board to meet only by remote methods.

Notice of all Board meetings will be provided in accordance with 1 M.R.S. § 406, and the City Charter, City Code or policy, if applicable. When the public may attend via remote methods, the notice will include the means by which the public may access the meeting remotely and will provide a method for disabled persons to request necessary accommodation to access the meeting. The notice will also identify the location where the public may attend the meeting in person. The Board will not restrict public attendance to remote methods except in the case of an emergency or urgent issue that requires it to meet using remote methods of attendance.

The Board will make all documents and materials to be considered by it during a meeting available, electronically or otherwise, to the public who attend remotely to the same extent customarily available to the public who attend in person, provided no additional costs are

incurred.

All votes taken during a Board meeting using remote methods will be by roll call vote that can be seen and heard if using video technology, or heard if using audio technology only, by other members of the Board and the public. A member of the Board who participates remotely will be considered present for purposes of establishing a quorum and voting.

This policy will remain in force indefinitely unless amended by the Board.

MEMORANDUM
City Council Agenda Item

FROM:

DATE: January 23, 2023

SUBJECT: Order 133-22/23 Approving the Revised Remote Participation Policy of the Portland City Council - Sponsored by Kate Snyder, Mayor

SPONSOR: Mayor Kate Snyder

(If sponsored by a Council committee, include the date the committee met and the results of the vote.)

COUNCIL MEETING DATE ACTION IS REQUESTED:

1st Reading

**Final
Action**

Can action be taken at a later date: No If action cannot be taken at a later date, please explain why. Do NOT write yes or no; that will be automatically generated by the checkbox.

Does this item involve a new contract with the City: The revised remote meeting policy has been reviewed and approved by Corporation Council.

PRESENTATION: Please list the presenter(s), type, and length of presentation

I. SUMMARY

II. AGENDA DESCRIPTION

On July 19, 2021, by Order 18-21/22, the City Council adopted its current remote participation policy. Since then, the Legislature amended 1 M.R.S. § 403-B, the law allowing remote participation in public meetings, to allow remote participation under broadened circumstances. With the adoption of the revised remote participation policy included in the backup materials, meetings of the City Council and its committees may continue to be held with the option of remote participation in most circumstances. Notice of the hearing for this item on the agenda was done in accordance with 1 MRS § 406(2)(A), the City Charter, and Portland City Code.

Five affirmative votes are required for passage after public comment.

III. BACKGROUND

Background information that will not appear in the Agenda Description

IV. INTENDED RESULT AND/OR COUNCIL GOAL ADDRESSED

V. FINANCIAL IMPACT

Please indicate whether or not there is a financial impact. Please note that per Council Rule 12, this form must have "a separate fiscal impact statement memo attached if the impact of the item is \$50,000 or more in a given fiscal year. This memo shall include details and information describing the fiscal impact including, but not limited to, projected costs, revenues or savings over a three (3) year period and/or any potential impacts on the City tax levy."

VI. STAFF ANALYSIS AND BACKGROUND

Staff Analysis that will not appear in the Agenda Description.

VII. RECOMMENDATION

VIII. LIST ATTACHMENTS

1. Order Adopting Revised Remote Participation Policy 2.6.2023

Prepared by:

Date: 01/23/2023

Order 133-22/23

Passage: 9-0 on 2/6/2023

Effective 2/16/2023

KATE SNYDER (MAYOR)
APRIL D. FOURNIER(A/L)
PIOUS ALI (A/L)
ROBERTO RODRÍGUEZ (A/L)

CITY OF PORTLAND
IN THE CITY COUNCIL

ANNA TREVORROW (1)
VICTORIA L. PELLETIER (2)
REGINA L. PHILLIPS (3)
ANDREW ZARRO (4)
MARK DION (5)

**ORDER ADOPTING THE REVISED REMOTE PARTICIPATION POLICY
OF THE PORTLAND CITY COUNCIL**

ORDERED, that the revised Remote Participation Policy of the City of Portland City Council is hereby adopted as attached hereto.

REMOTE PARTICIPATION POLICY
OF THE
PORTLAND CITY COUNCIL

ADOPTED BY ORDER 133-22/23 on February 6, 2023

Pursuant to 1 M.R.S. § 403-B, and after public notice and a hearing, the Portland City Council hereby adopts the following policy to govern remote methods of participation in public proceedings or meetings (collectively, “meetings”) of the Portland City Council and all City Council Committees (hereinafter collectively referred to as “Council”).

In addition to conducting meetings with in-person participation, the Council conducts meetings with two other types of participation: remote and hybrid.

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