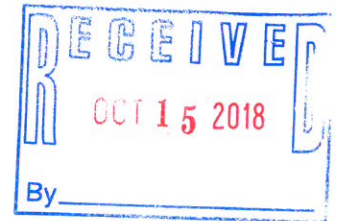


HOEFLE, PHOENIX, GORMLEY & ROBERTS, P.A.

ATTORNEYS AT LAW

127 Parrott Avenue, P.O. Box 4480 | Portsmouth, NH, 03802-4480
Telephone: 603.436.0666 | Facsimile: 603.431.0879 | www.hpgrlaw.com



October 15, 2018

HAND DELIVERED

Vincent Lombardi, Chair
Portsmouth Historic District Commission
City Hall
1 Junkins Avenue
Portsmouth, NH 03801

Re: Deer Street Associates, LLC ("DSA")
First request for extension of 7/11/18 Historic District Commission ("HDC")
Lot 5, 161 Deer Street
Tax Map 125, Lot 17-3

Dear Mr. Lombardi & Historic District Commission members:

The Historic District Commission granted approval for DSA's Lot 5 improvements on July 11, 2018. A copy of the approval is attached.

The approval expires on July 11, 2019. As you know, Lot 5 is one of a five lot overall development plan along Foundry Place (a/k/a Deer Street) by Deer Street Associates and related entities. Although Lot 5 HDC approval was granted, DSA is still involved with overall project design issues.

Due to the foregoing, Lot 5 will not have a building permit, nor be substantially under construction as of the July 11, 2019 expiration of the HDC approval. Although that is some time away, DSA is seeking extension of all approvals now, knowing that the project will not meet the current deadlines. Accordingly, pursuant to Portsmouth Zoning Ordinance Section 10.636.71, DSA requests a one- year extension of the July 11, 2019 expiration to July 11, 2020.

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OF COUNSEL:
SAMUEL R. REID

Vincent Lombardi, Chair
Portsmouth Planning Board

Page 2 of 2

October 15, 2018

Very truly yours,



R. Timothy Phoenix

RTP/msw
Encl.

cc: Juliet T.H. Walker, Planning Director
Deer Street Associates, LLC
Gregg Mikolaities
Tracey Kozak, JSN, Inc.



CITY OF PORTSMOUTH

Community Development Department
(603) 610-7281

Planning Department
(603) 610-7216

PLANNING DEPARTMENT
HISTORIC DISTRICT COMMISSION
CERTIFICATE OF APPROVAL

Date: July 13, 2018
To: Deer Street Assoc.
PO Box 100
York Harbor, ME 03911
Re: 161 Deer Street, Lot 5

The Historic District Commission considered your proposal at its meeting on July 11, 2018 wherein permission was requested to allow demolition of an existing structure (demolish existing building) and allow a new free standing structure (construct new 5-story mixed use building) as per plans on file in the Planning Department.

After due deliberation, the Commission voted that the request be **approved** with the following stipulation:

1. Half screens shall be used.

Findings of Fact: The proposed application meets the following purposes of the Historic District Ordinance (as applicable):

A. Purpose and Intent:

- Yes No - Preserve the integrity of the District
- Yes No - Maintain the special character of the District
- Yes No - Assessment of the Historical Significance
- Yes No - Complement and enhance the architectural and historic character
- Yes No - Conservation and enhancement of property values
- Yes No - Promote the education, pleasure & welfare of the District to the city residents and visitors.

Page 2

Re: 161 Deer Street, Lot 5

July 13, 2018

The proposed application also meets the following review criteria of the Historic District Ordinance (as applicable):

B. Review Criteria:

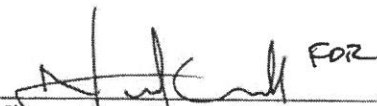
- ✓ Yes No - Consistent with special and defining character of surrounding properties
- Yes No - Relation to historic and architectural value of existing structures
- Yes No - Compatibility of design with surrounding properties
- ✓ Yes No - Compatibility of innovative technologies with surrounding properties

PLEASE NOTE THE FOLLOWING:

- **Other Approvals** - Approvals may also be required from other Committees and/or Boards prior to the issuance of a Building Permit.
- **Construction Drawings** - Prior to the issuance of a Building Permit the Building Inspector will review and approve construction drawings/sketches so work shall not commence until the review process is complete and a Building Permit issued.
- **Design Modifications and Fees** - Please note that any changes or modifications to this approval require review and approval from the HDC prior to implementation. Starting July 1st, 2016, a \$100 fee will be required for any subsequent Administrative Approvals for work not yet completed and a \$500 fee will be assigned for any work completed prior to approval.
- **Site Inspections and Compliance Review** - The City's Land Use Compliance Agent, Vincent Hayes, will be inspecting the work during construction and will be available to assist you in making any other requests or inquires on this matter. If you have any questions please feel free to contact the Principal Planner, Nick Cracknell at njcracknell@cityofportsmouth.com or Mr. Hayes at vjhayes@cityofportsmouth.com.

The minutes and tape recording of the meeting may be reviewed in the Planning Department.

Respectfully submitted,

 FOR

Vincent Lombardi, Chairman
Historic District Commission

cc: Robert Marsilia, Chief Building Inspector
Rosann Maurice-Lentz, Assessor
Tracy Kozak, JSA Inc.

157-163 DEER ST, LOT 5

PUBLIC HEARING - JULY 2018



DRAWING SHEET LIST - HDC July 2018	
SHEET NO.	NAME
1.1	COVER
1.2a	SUMMARY & SITE PLAN
1.2b	SITE MAP
1.3a	FIRST FLOOR PLAN
1.3b	ROOF PLAN
2.1a	EXISTING & HISTORIC CONDITIONS
2.1b	VIEW FROM MAPLEWOOD & DEER
2.2a	VIEW FROM BRIDGE STREET
2.2b	VIEW FROM MAPLEWOOD & RAILROAD
2.3a	TOWER DETAIL
2.3b	BAY DETAILS
3.1a	ARIAL VIEW TO NORTHEAST
3.1b	ARIAL VIEW TO NORTHWEST
3.2a	STREET VIEW - Deer St @ Portwalk Place
3.2b	STREET VIEW - Maplewood @ Portwalk
3.3a	STREET VIEW - Maplewood @ Cemetery
3.3b	STREET VIEW - Maplewood @ Railroad
3.4a	STREET VIEW - Deer @ VFW
3.4b	ARIAL VIEW TO SOUTH
4.1a	VIGNETTE - Maplewood @ Deer
4.1b	VIGNETTE - Maplewood @ Railroad
4.2a	VIGNETTE - Railroad @ Saltpile
4.2b	VIGNETTE - Deer @ VFW
4.3a	VIGNETTE - Deer
4.3b	VIGNETTE - Maplewood
5.1a	EAST ELEVATION
5.1b	SOUTH ELEVATION
5.2a	WEST ELEVATION
5.2b	NORTH ELEVATION
5.3a	CORNER ELEVATIONS
5.3b	COURTYARD ELEVATIONS
5.4a	ELEVATION DETAILS - CORNICES
5.4b	ELEVATION DETAILS - ENTRANCES
6.1a	DETAILS - SIDE CANOPY
6.1b	DETAILS - MAIN CANOPY
6.2a	DETAILS - UPPER CORNICES
6.2b	DETAILS - BOX BAY
6.3a	DETAILS - BALCONY & LOW CORNICE
6.3b	DETAILS - WINDOWS
6.4a	MAIN ENTRY ALCOVE - INTERIOR
6.4b	MATERIALS SCHEDULE
6.5a	WINDOW & STOREFRONT TYPES
7.1a	MATERIALS PRODUCT DATA

1.1

COVER

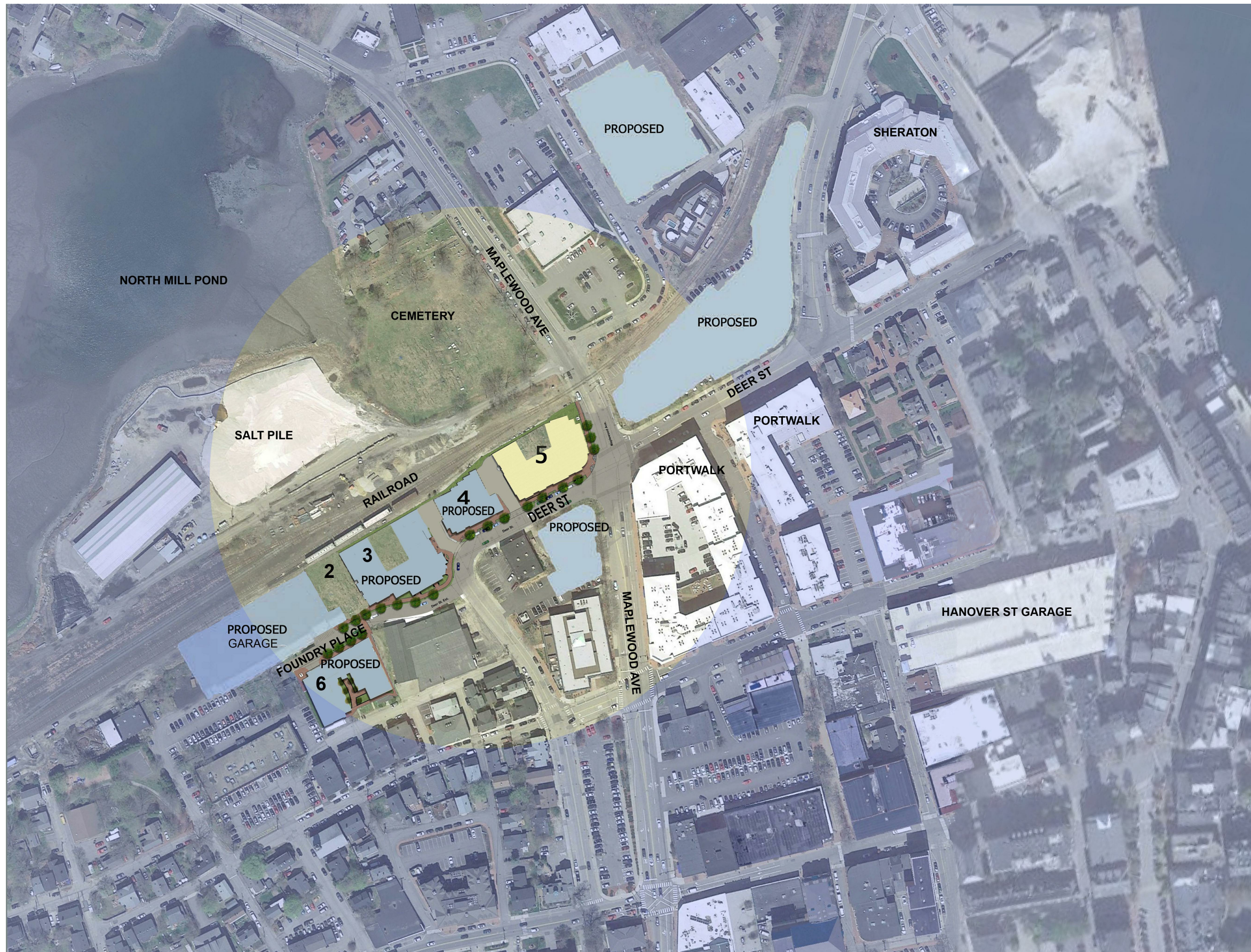
Lot 5 at Foundry Place

SCALE:
07-11-2018

Objectives

- **Welcoming, vibrant & pedestrian friendly atmosphere** (ZO 10.631.20 Purpose & Intent 1- 6; 10.635.60 Review Factors 1-3; 10.635.70 Criteria 1-4)
- **Sense of place** (ZO Purpose& Intent 1-6; Factors 1-3, Criteria 1-4)
- **Fulfill goals of City Master Plan and North End Vision Plan**
 - **Connectivity** (Master Plan 1.1.2, 1.1.3, 2.2.1) (ZO Purpose& Intent 1-6, Factor 1)
Deer St development connects West End's Rock Street Park to North End's Maplewood Ave through consistant massing, materials & detailing.
 - **Building design** (Master Plan, pg. 108-110; Northend Vision Plan Pg.1; ZO Purpose & Intent 4) (ZO Purpose& Intent 1-6, Factors 1-3, Criteria 1-4)
Contemporary interpretation of traditional themes; visual references to steel and train legacies of site in past centuries; scaled to relate to neighboring buildings and spaces for a cohesive sense of place.
 - **Land use** (Master Plan 3.2.2 & 3.3; ZO Incentive 10.5A46.20)
Work Force Housing Incentive
 - **Vibrancy** (Master Plan 3.3.2; ZO Purpose& Intent 4-6)
Mixed use with pedestrian scaled street level amenities; extra wide sidewalks and community space, enlived by first floor retail.
 - **Sustainability** (Master Plan 5.4; ZO Purpose & Intent 5-6; Review Factor 3; Criteria 4).
Enhanced energy efficiency, local & recycled materials, green roof, solar ready.
 - **Coastal Resiliency** (Master Plan 5.1)
First floor raised several feet above flood plain; durable construction, water resistant materials, elevated equipment, back-up systems.





1.2b

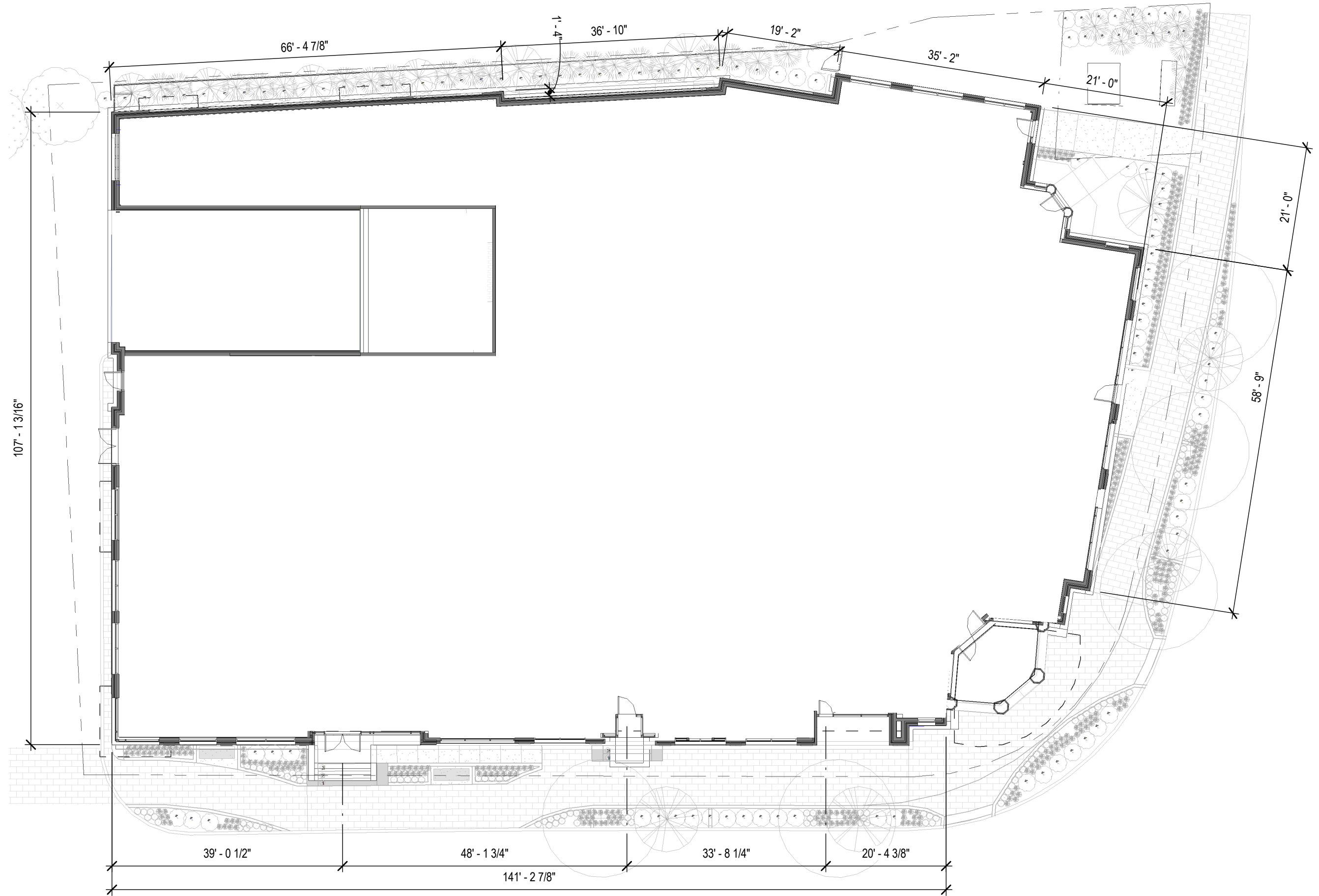
SITE MAP

Lot 5 at Foundry Place

SCALE:
07-11-2018



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INTERIORS
PLANNERS



FIRST FLOOR PLAN

1.3a

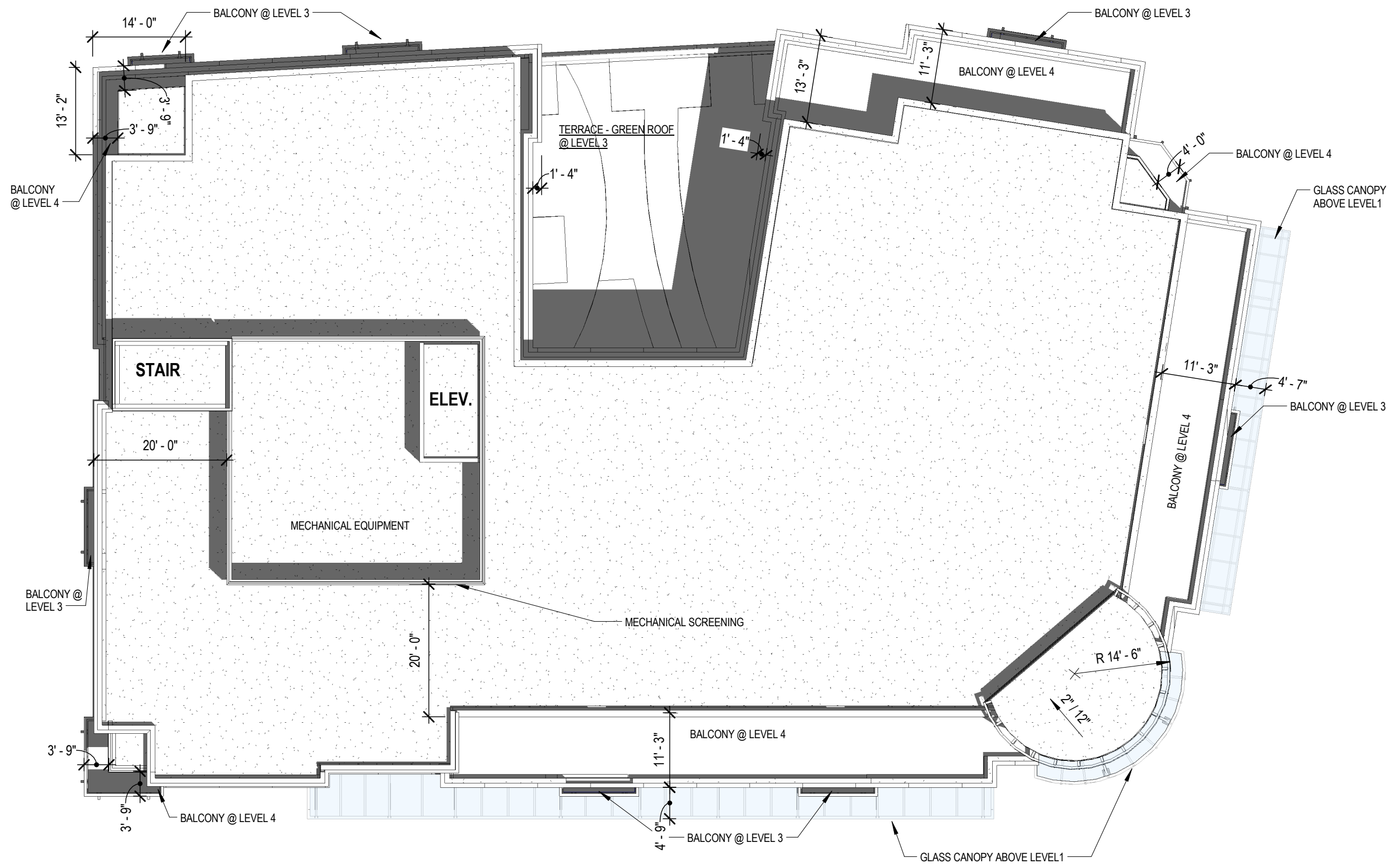
Lot 5 at Foundry Place

07-11-2018

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



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PLANNERS



1.3b

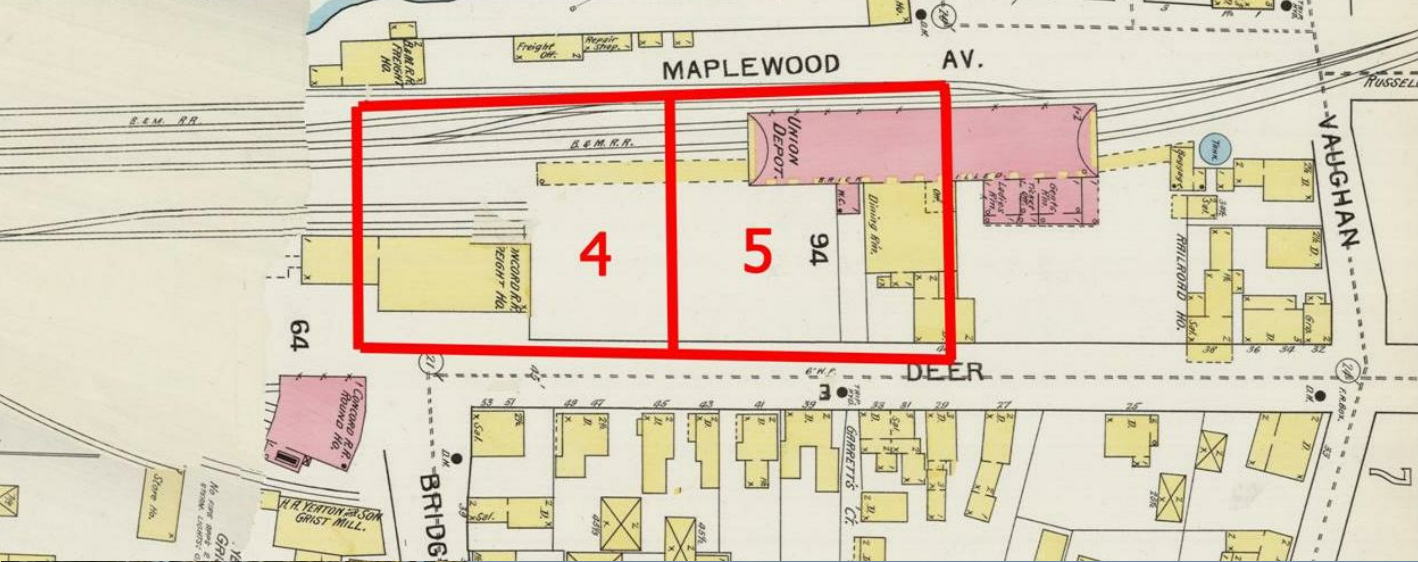
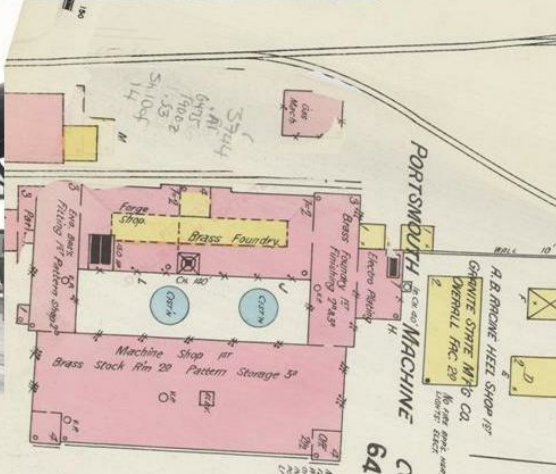
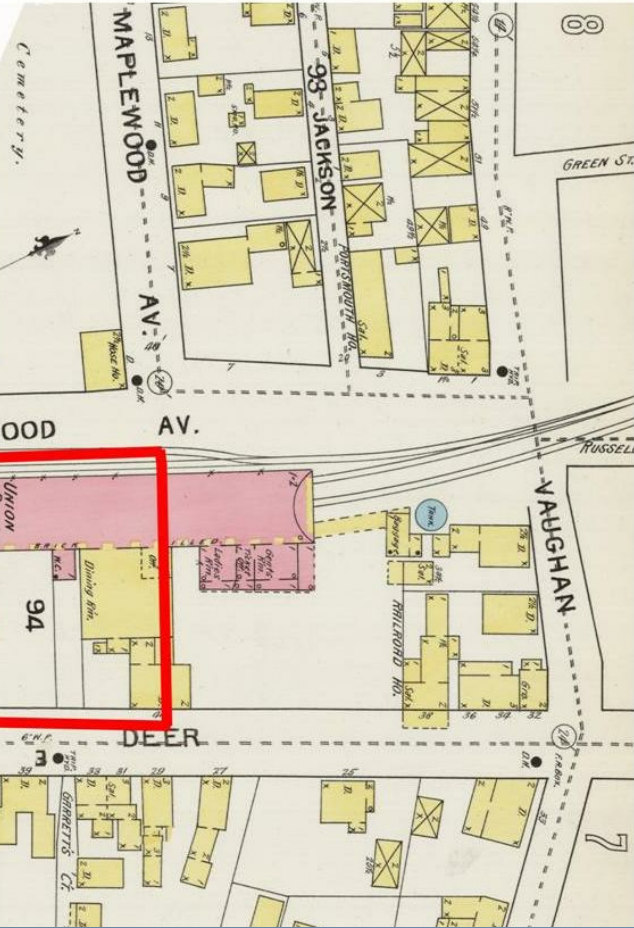
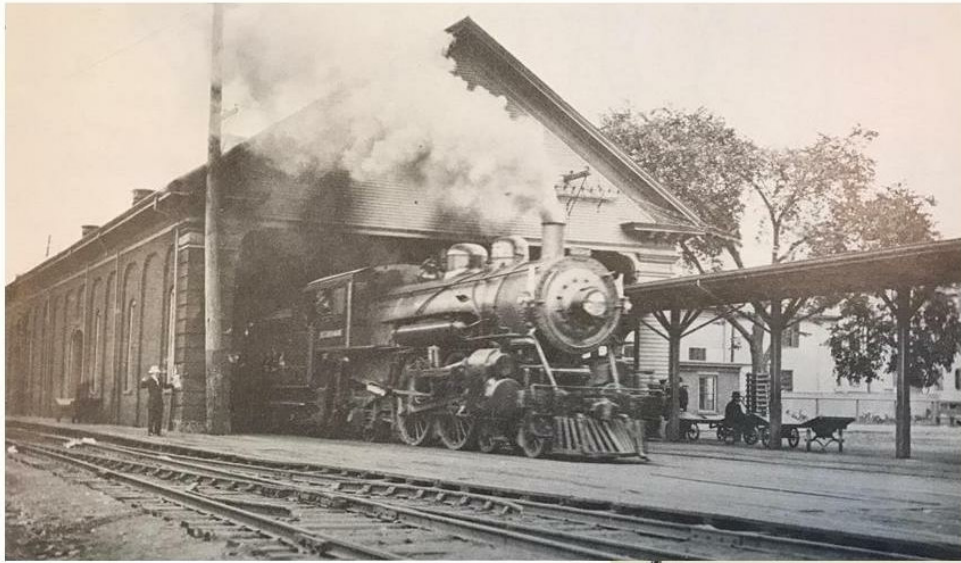
ROOF PLAN

Lot 5 at Foundry Place

SCALE: 1/16" = 1'-0"
07-11-2018

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





93-99 Maplewood Ave
Portsmouth, NH 03801 - approximate address
Maplewood Ave
Street View - Sep 2011



ARCHITECTS
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PLANNERS

2.1a

EXISTING & HISTORIC CONDITIONS

Lot 5 at Foundry Place

07-11-2018



2.1b

VIEW FROM MAPLEWOOD & DEER

Lot 5 at Foundry Place

SCALE:
07-11-2018

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PLANNERS



VIEW FROM BRIDGE STREET

2.2a

Lot 5 at Foundry Place

07-11-2018



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TANGRAM 3DS

2.2b

VIEW FROM MAPLEWOOD & RAILROAD

Lot 5 at Foundry Place

SCALE:
07-11-2018

JSA

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INTERIORS
PLANNERS



TOWER DETAIL

2.3a

Lot 5 at Foundry Place

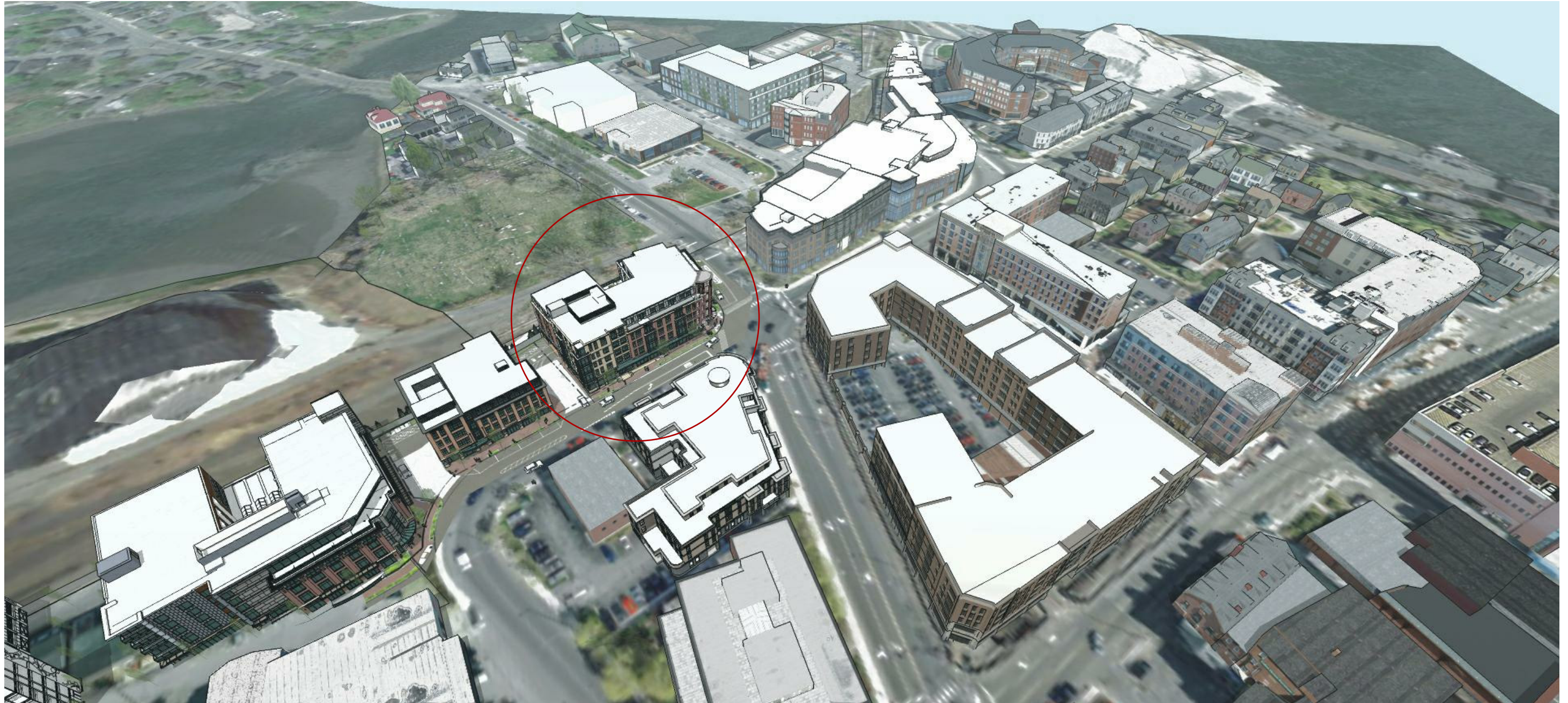
07-11-2018



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PLANNERS



2.3b **BAY DETAILS**
Lot 5 at Foundry Place
SCALE:
07-11-2018





3.1b

ARIAL VIEW TO NORTHWEST

Lot 5 at Foundry Place

SCALE:
07-11-2018

JSA

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INTERIORS
PLANNERS



ARCHITECTS
INTERIORS
PLANNERS

3.2a

STREET VIEW - Deer St @ Portwalk Place

Lot 5 at Foundry Place

07-11-2018



3.2b

STREET VIEW - Maplewood @ Portwalk

Lot 5 at Foundry Place

SCALE:
07-11-2018

JSA

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ARCHITECTS
INTERIORS
PLANNERS

3.3a

STREET VIEW - Maplewood @ Cemetary

Lot 5 at Foundry Place

07-11-2018



3.3b

STREET VIEW - Maplewood @ Railroad

Lot 5 at Foundry Place

SCALE:
07-11-2018





ARCHITECTS
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PLANNERS

3.4a

STREET VIEW - Deer @ VFW

LOT 5 at FOUNDRY PLACE



3.4b

ARIAL VIEW TO SOUTH

Lot 5 at Foundry Place

SCALE:
07-11-2018



ARCHITECTS
INTERIORS
PLANNERS



ARCHITECTS
INTERIORS
PLANNERS

4.1a

VIGNETTE - Maplewood @ Deer

Lot 5 at Foundry Place

07-11-2018



4.1b

VIGNETTE - Maplewood @ Railroad
Lot 5 at Foundry Place

SCALE:
07-11-2018



ARCHITECTS
INTERIORS
PLANNERS

4.2a

VIGNETTE - Railroad @ Saltpile

LOT 5 at FOUNDRY PLACE



4.2b

VIGNETTE - Deer @ VFW

Lot 5 at Foundry Place

SCALE:
07-11-2018

JSA

ARCHITECTS
INTERIORS
PLANNERS



ARCHITECTS
INTERIORS
PLANNERS

4.3a

VIGNETTE - Deer

Lot 5 at Foundry Place

07-11-2018



4.3b

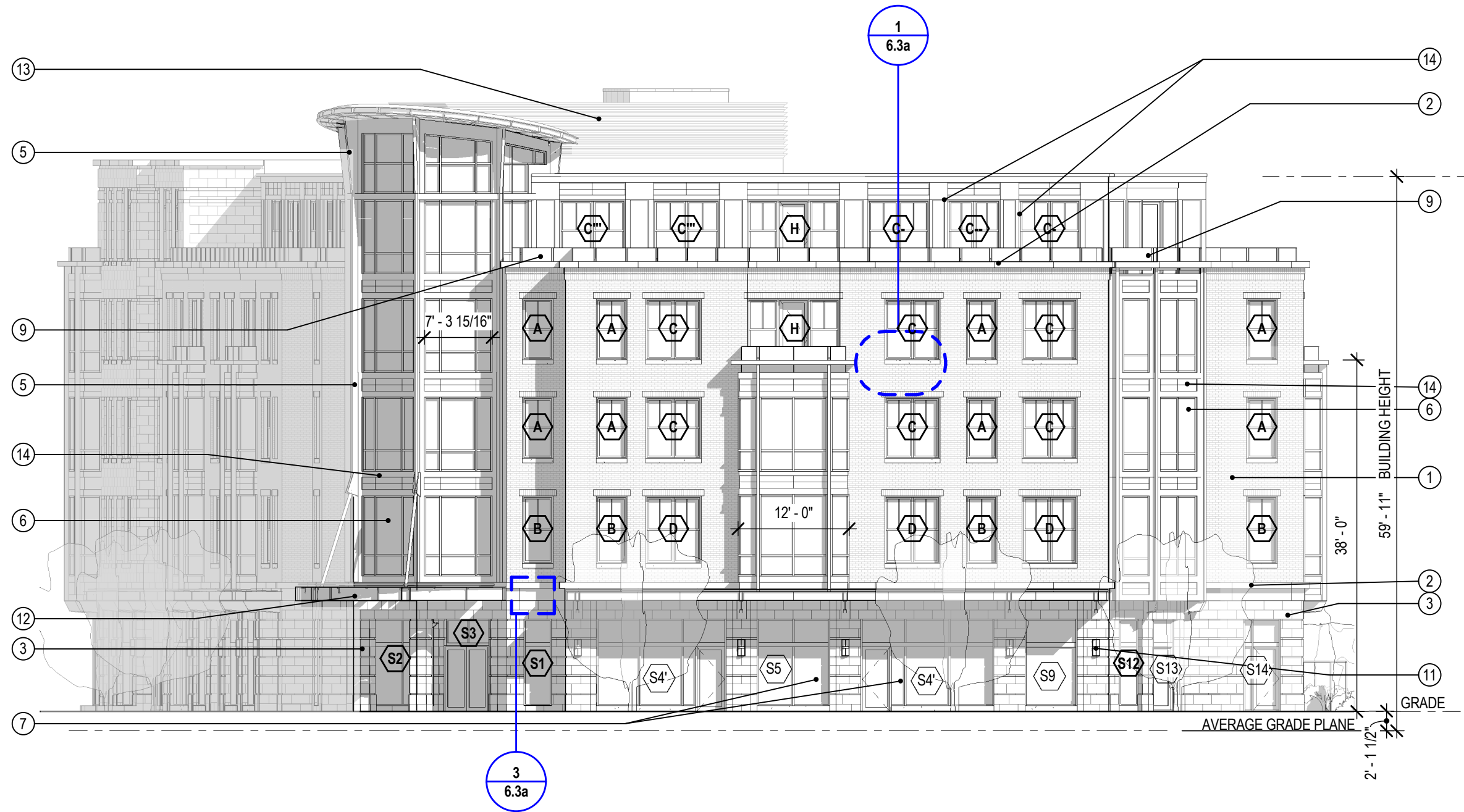
VIGNETTE - Maplewood

Lot 5 at Foundry Place

SCALE:
07-11-2018



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PLANNERS



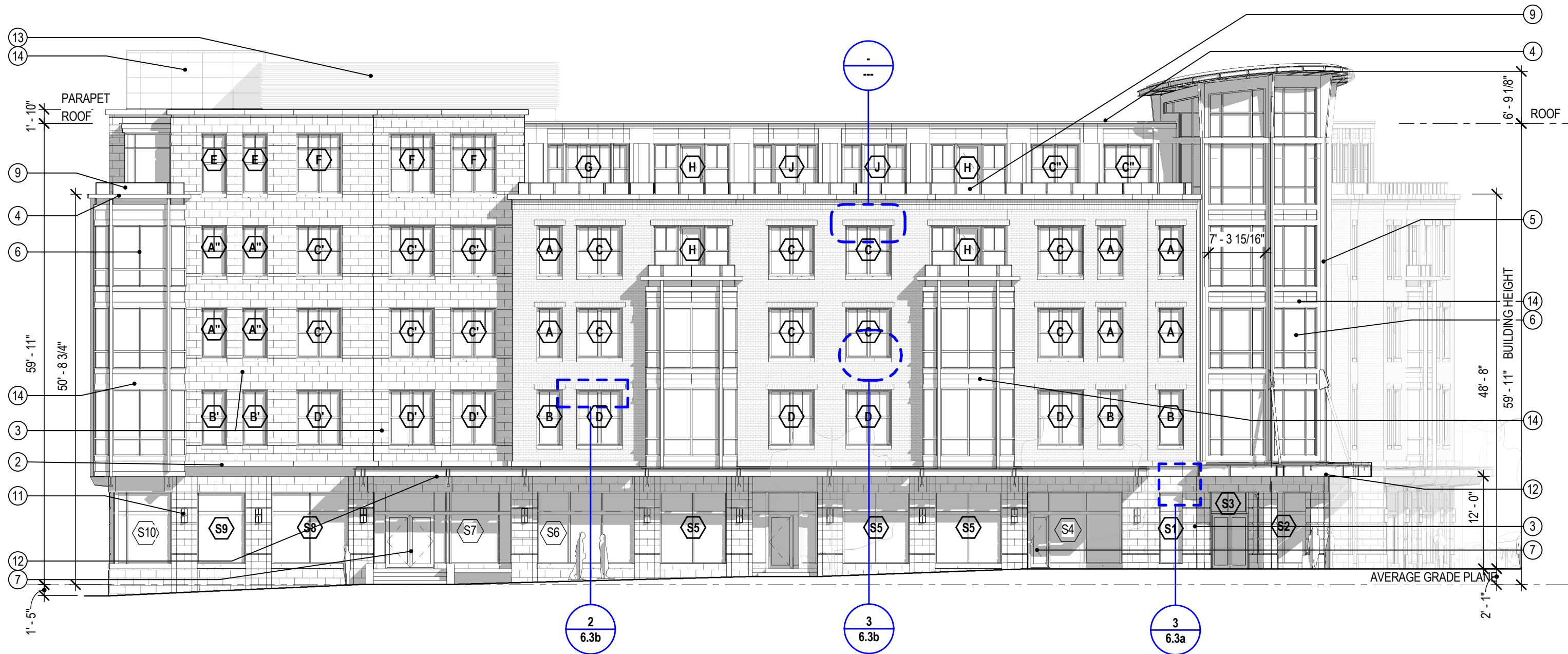
ARCHITECTS
INTERIORS
PLANNERS

5.1a

EAST ELEVATION

Lot 5 at Foundry Place

07-11-2018



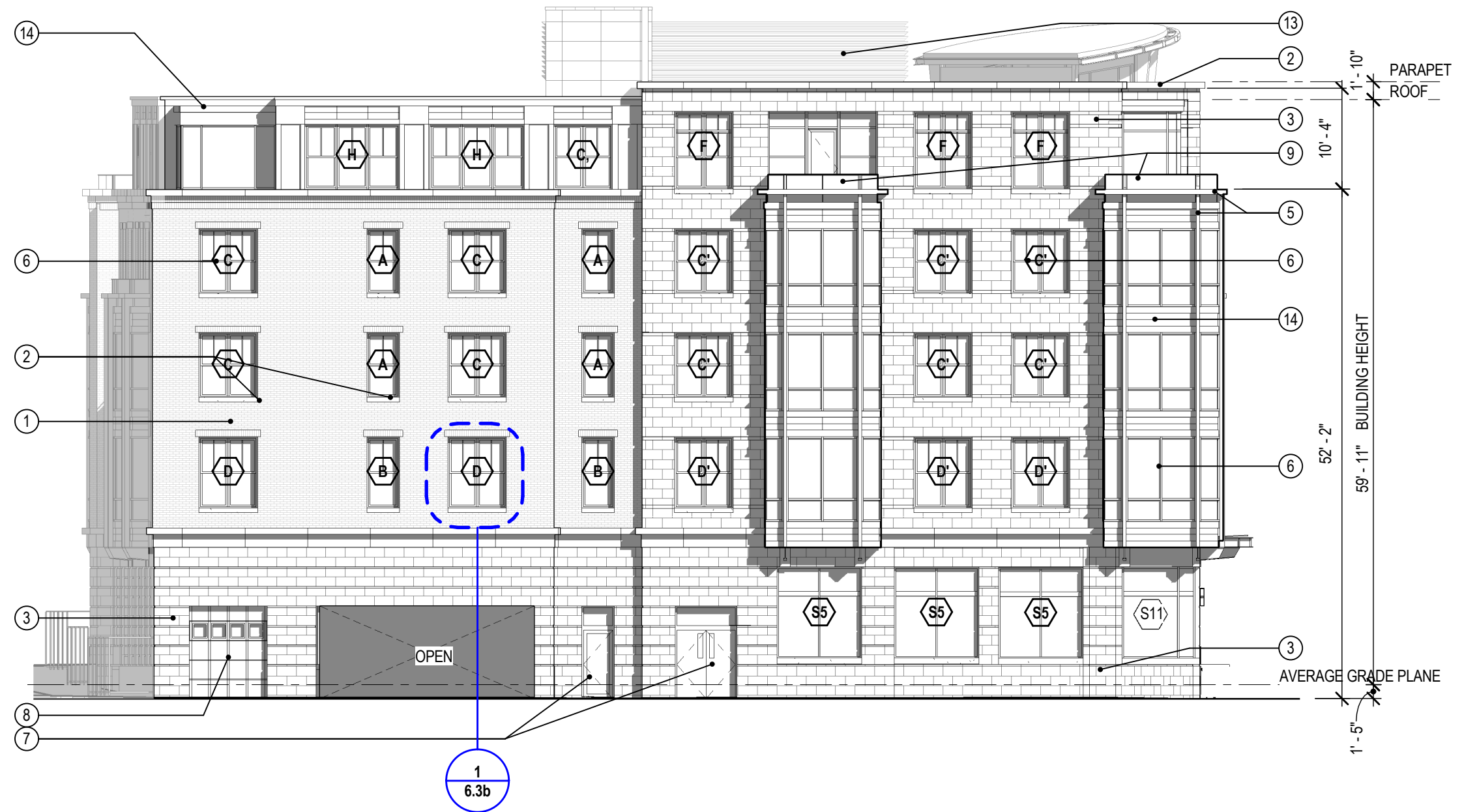
ELEVATION KEY NOTES

- | | |
|-----------------------------------|--|
| 1. Brick | 8. Overhead rolling door |
| 2. Precast architectural concrete | 9. Railing system – painted steel & metal mesh |
| 3. Cast stone | 10. (not used) |
| 4. Aluminum coping | 11. Light fixture |
| 5. Steel, painted finish | 12. Canopy – steel & glass |
| 6. Windows – aluminum clad wood | 13. Metal mechanical screening |
| 7. Aluminum / glass door | 14. Aluminum composite panel |
| | 15. Black vinyl coated metal mesh fence with plantings |

5.1b SOUTH ELEVATION Lot 5 at Foundry Place

SCALE: As indicated
07-11-2018





5.2a WEST ELEVATION
Lot 5 at Foundry Place
 07-11-2018



ELEVATION KEY NOTES

- | | |
|-----------------------------------|--|
| 1. Brick | 8. Overhead rolling door |
| 2. Precast architectural concrete | 9. Railing system – painted steel & metal mesh |
| 3. Cast stone | 10. (not used) |
| 4. Aluminum coping | 11. Light fixture |
| 5. Steel, painted finish | 12. Canopy – steel & glass |
| 6. Windows – aluminum clad wood | 13. Metal mechanical screening |
| 7. Aluminum / glass door | 14. Aluminum composite panel |
| | 15. Black vinyl coated metal mesh fence with plantings |

5.2b

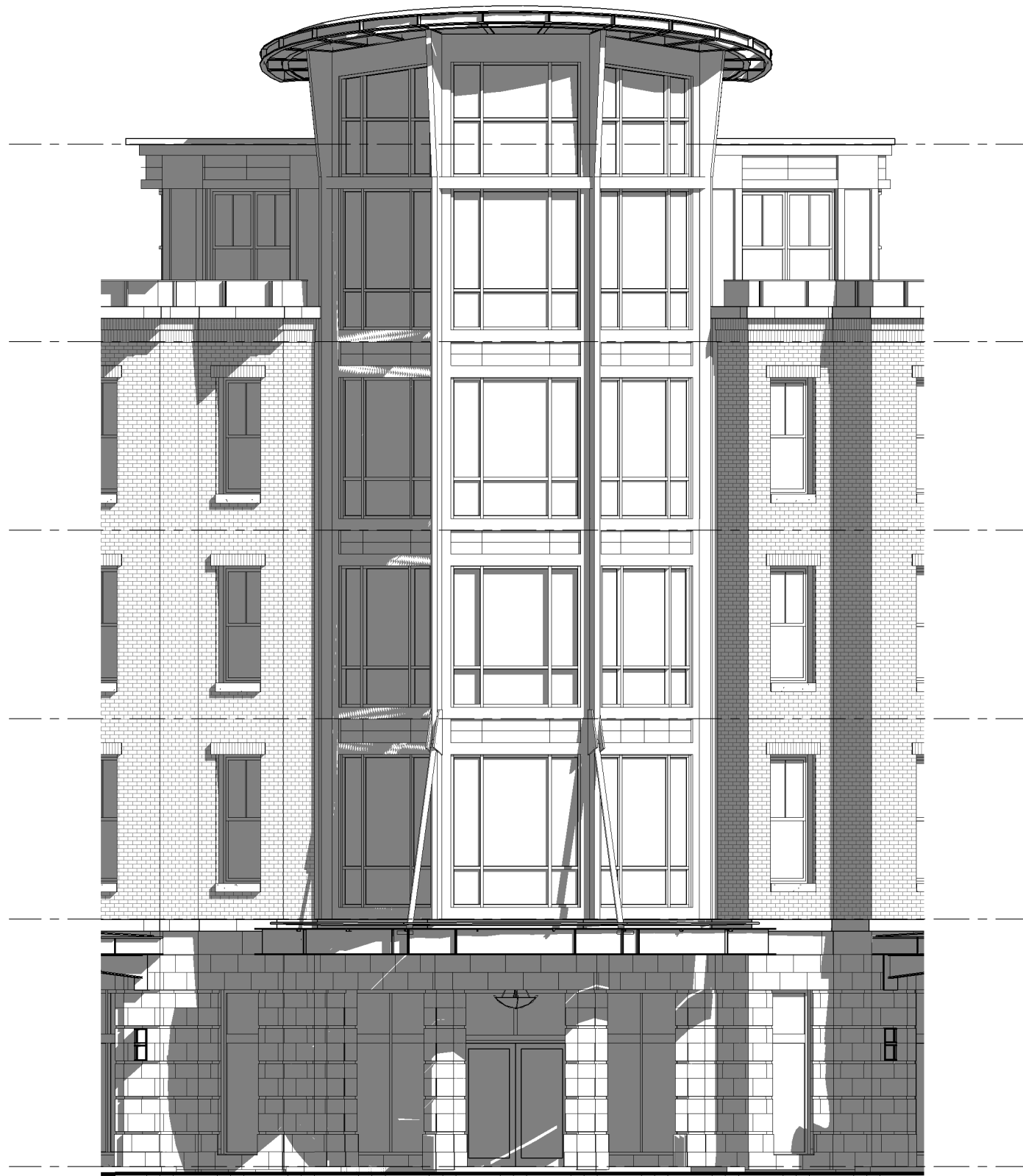
NORTH ELEVATION

Lot 5 at Foundry Place

SCALE: As indicated
07-11-2018



ARCHITECTS
INTERIORS
PLANNERS



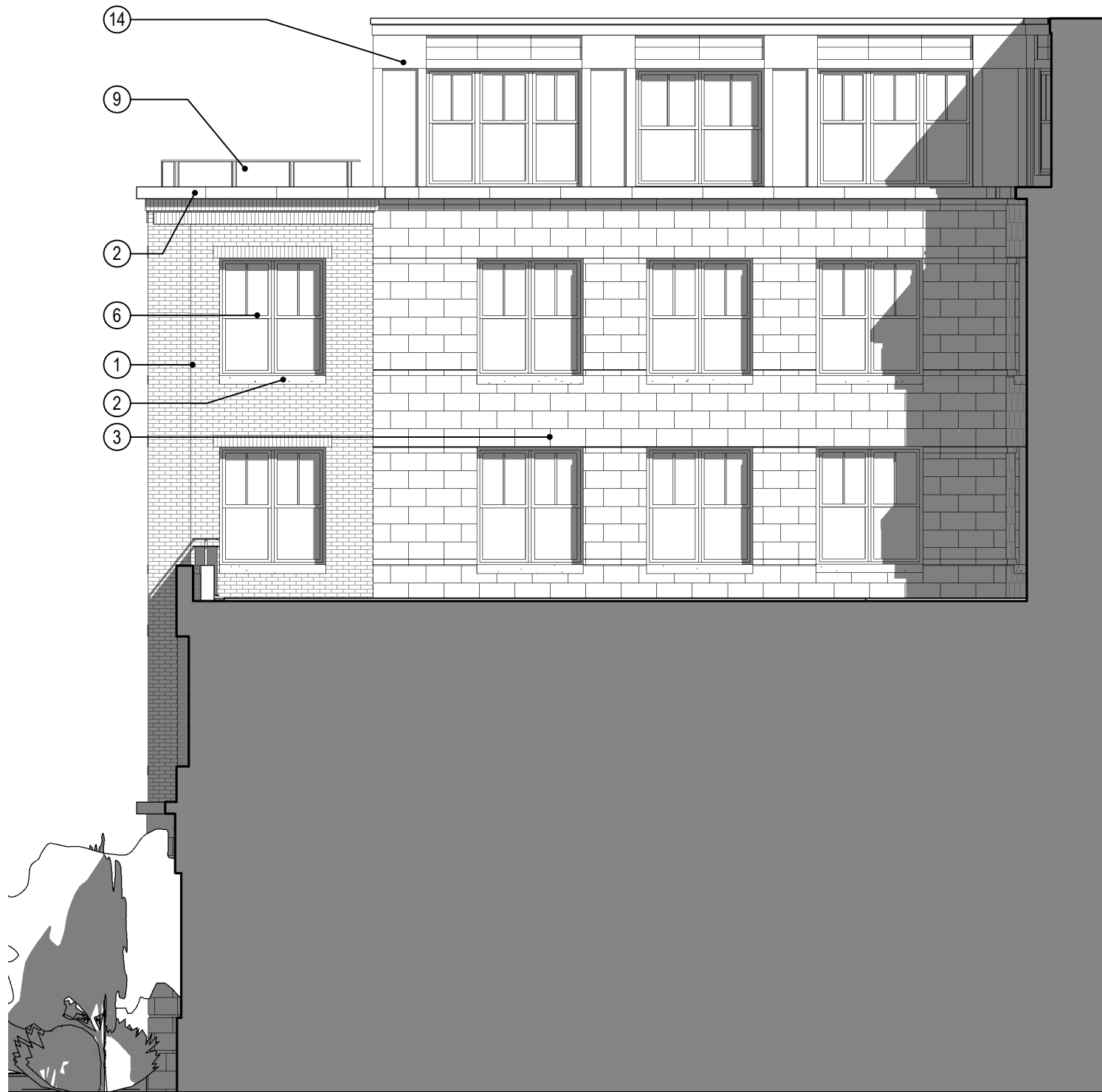
1 SOUTHEAST CORNER



2 NORTHEAST CORNER



5.3a **CORNER ELEVATIONS**
Lot 5 at Foundry Place
07-11-2018



1 COURTYARD EAST
1/8" = 1'-0"

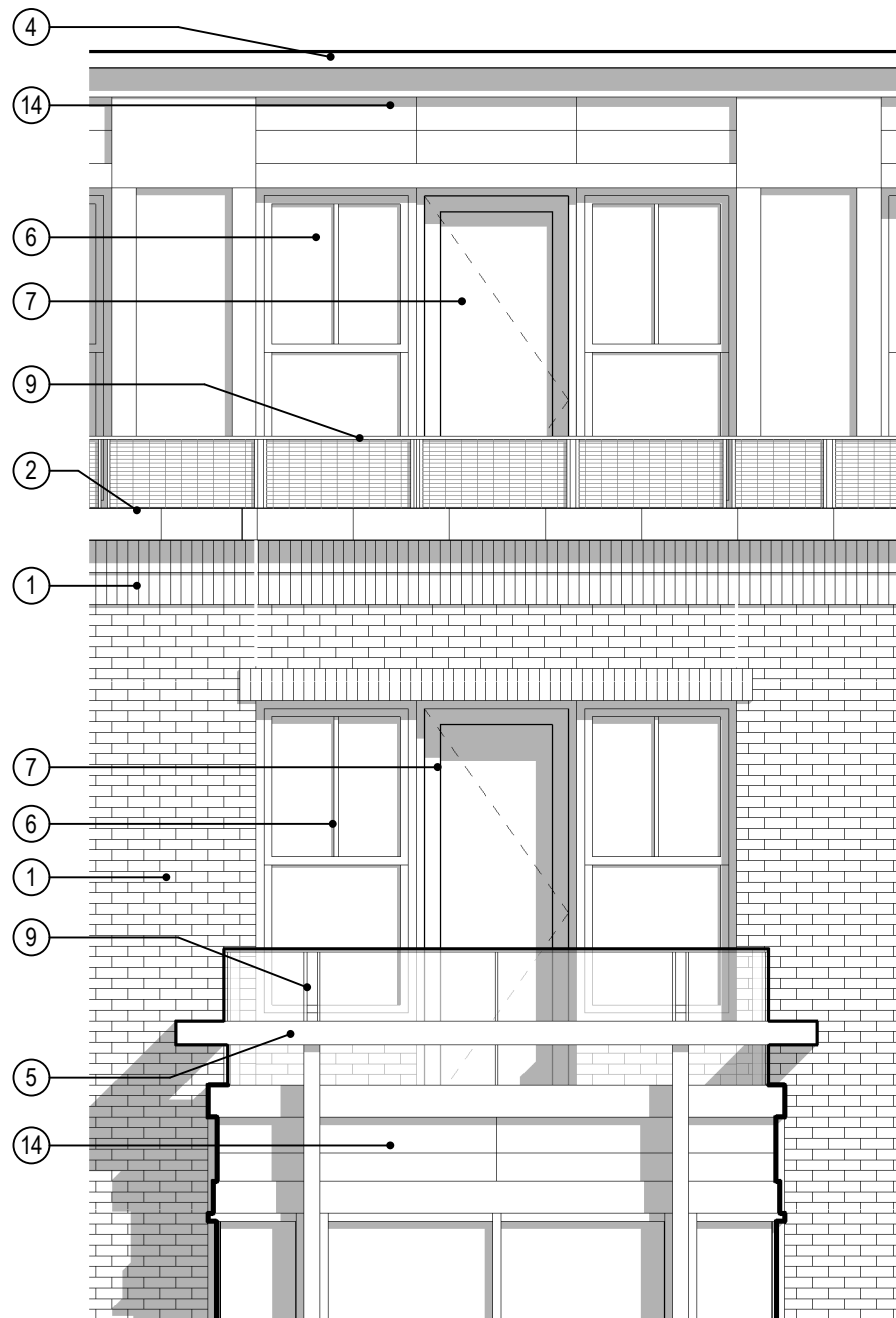
ELEVATION KEY NOTES

- | | |
|-----------------------------------|--|
| 1. Brick | 8. Overhead rolling door |
| 2. Precast architectural concrete | 9. Railing system – painted steel & metal mesh |
| 3. Cast stone | 10. (not used) |
| 4. Aluminum coping | 11. Light fixture |
| 5. Steel, painted finish | 12. Canopy – steel & glass |
| 6. Windows – aluminum clad wood | 13. Metal mechanical screening |
| 7. Aluminum / glass door | 14. Aluminum composite panel |
| | 15. Black vinyl coated metal mesh fence with plantings |

2 COURTYARD WEST
1/8" = 1'-0"

5.3b COURTYARD ELEVATIONS
Lot 5 at Foundry Place

SCALE: As indicated
07-11-2018



2 DORMER BAY DETAIL
1/4" = 1'-0"



1 TOWER DETAIL
1/4" = 1'-0"

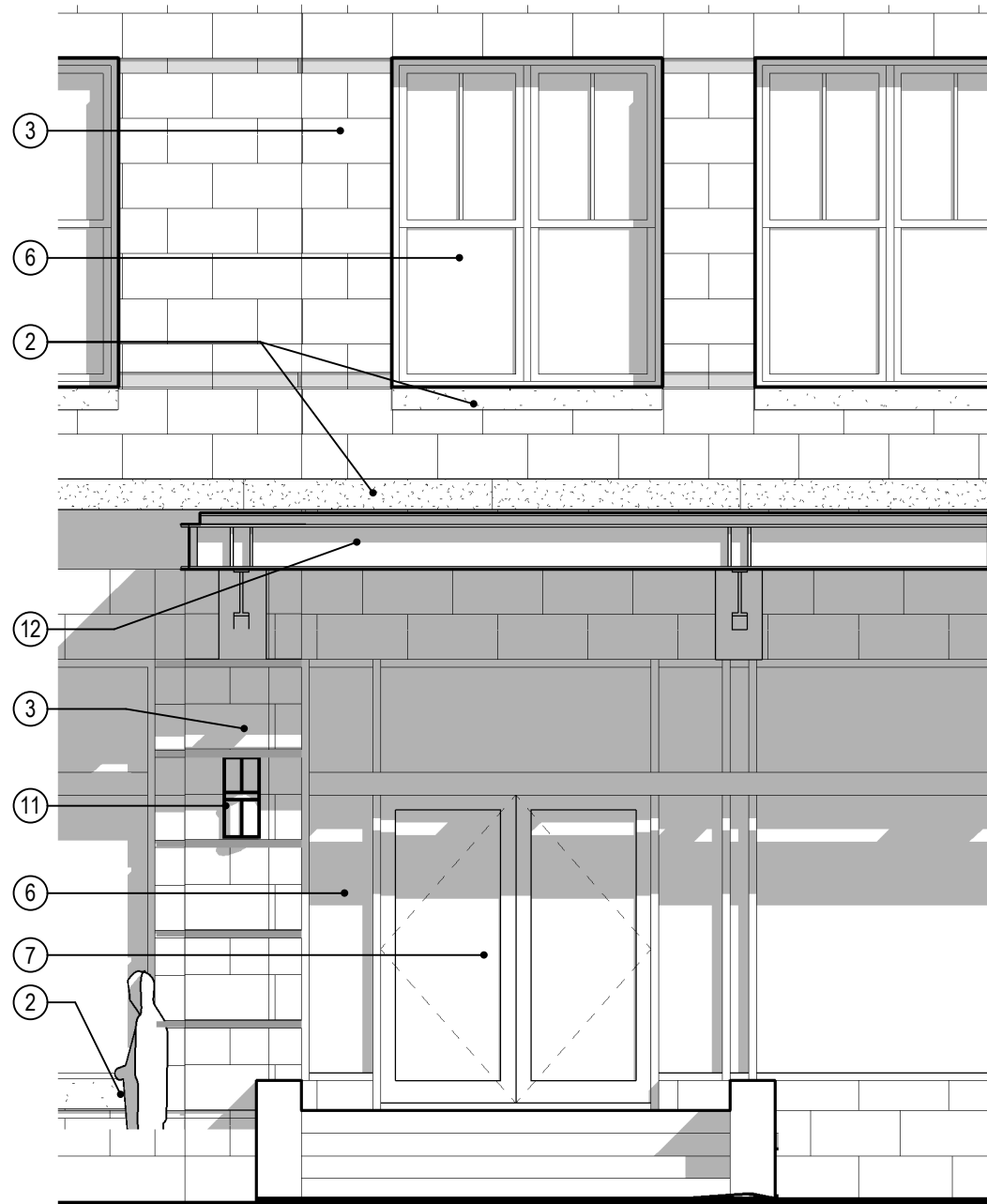
ELEVATION KEY NOTES

- | | |
|-----------------------------------|--|
| 1. Brick | 8. Overhead rolling door |
| 2. Precast architectural concrete | 9. Railing system – painted steel & metal mesh |
| 3. Cast stone | 10. (not used) |
| 4. Aluminum coping | 11. Light fixture |
| 5. Steel, painted finish | 12. Canopy – steel & glass |
| 6. Windows – aluminum clad wood | 13. Metal mechanical screening |
| 7. Aluminum / glass door | 14. Aluminum composite panel |
| | 15. Black vinyl coated metal mesh fence with plantings |

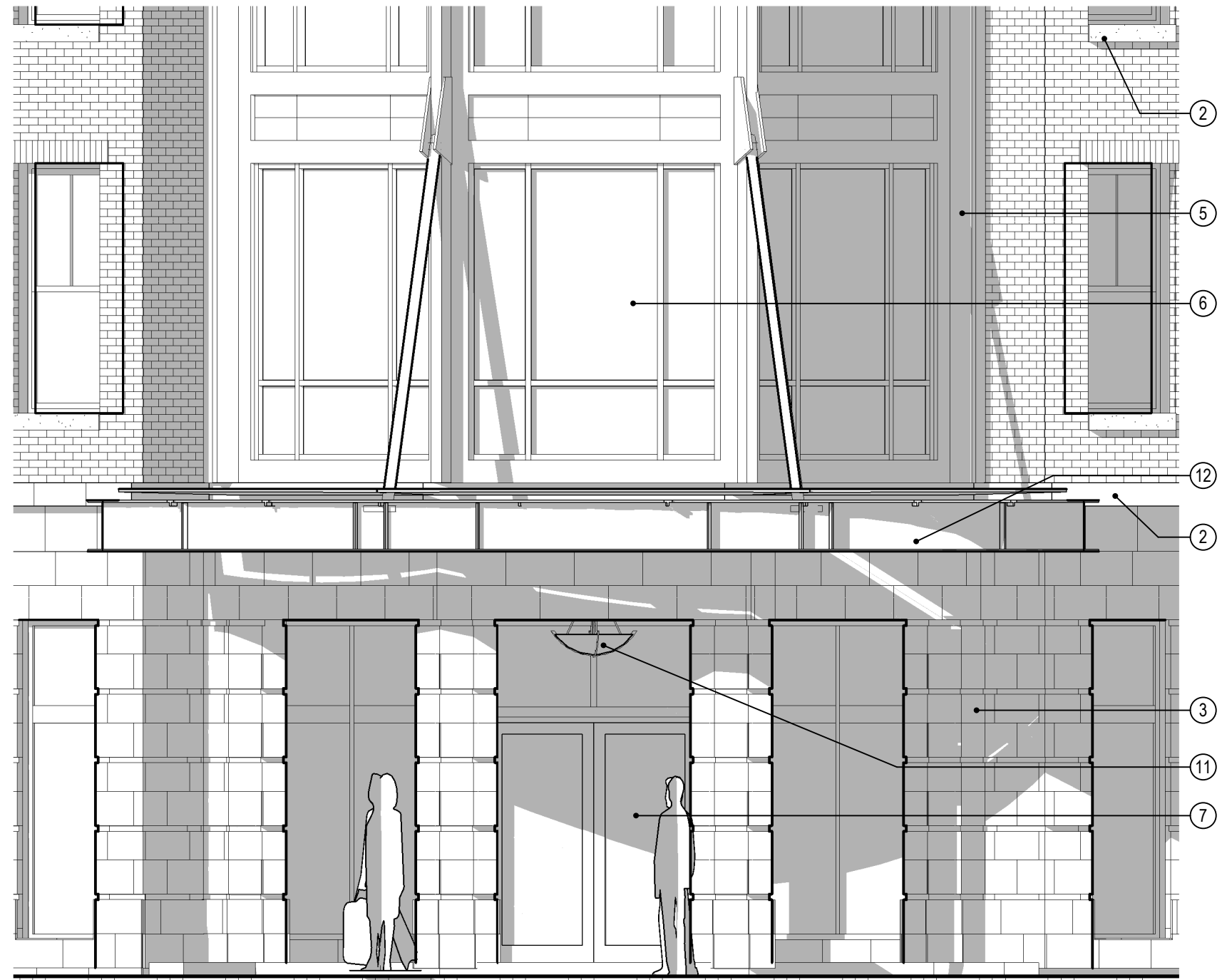


5.4a ELEVATION DETAILS - CORNICES

Lot 5 at Foundry Place
07-11-2018



2 WEST ENTRANCE
1/4" = 1'-0"



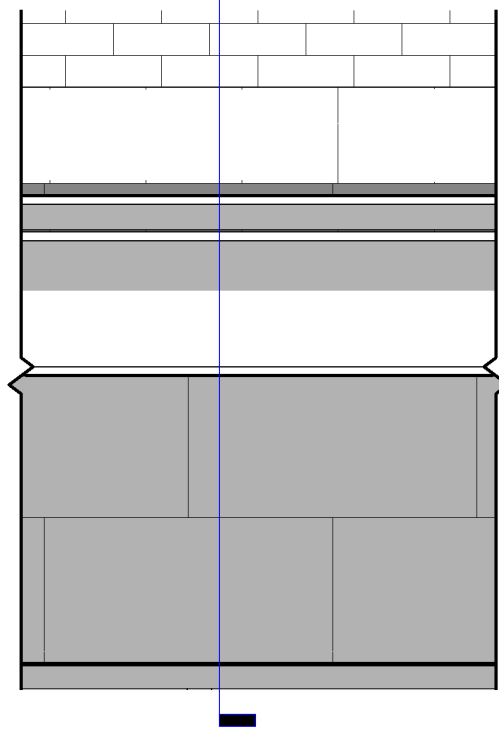
1 MAIN ENTRANCE
1/4" = 1'-0"

5.4b ELEVATION DETAILS - ENTRANCES
Lot 5 at Foundry Place

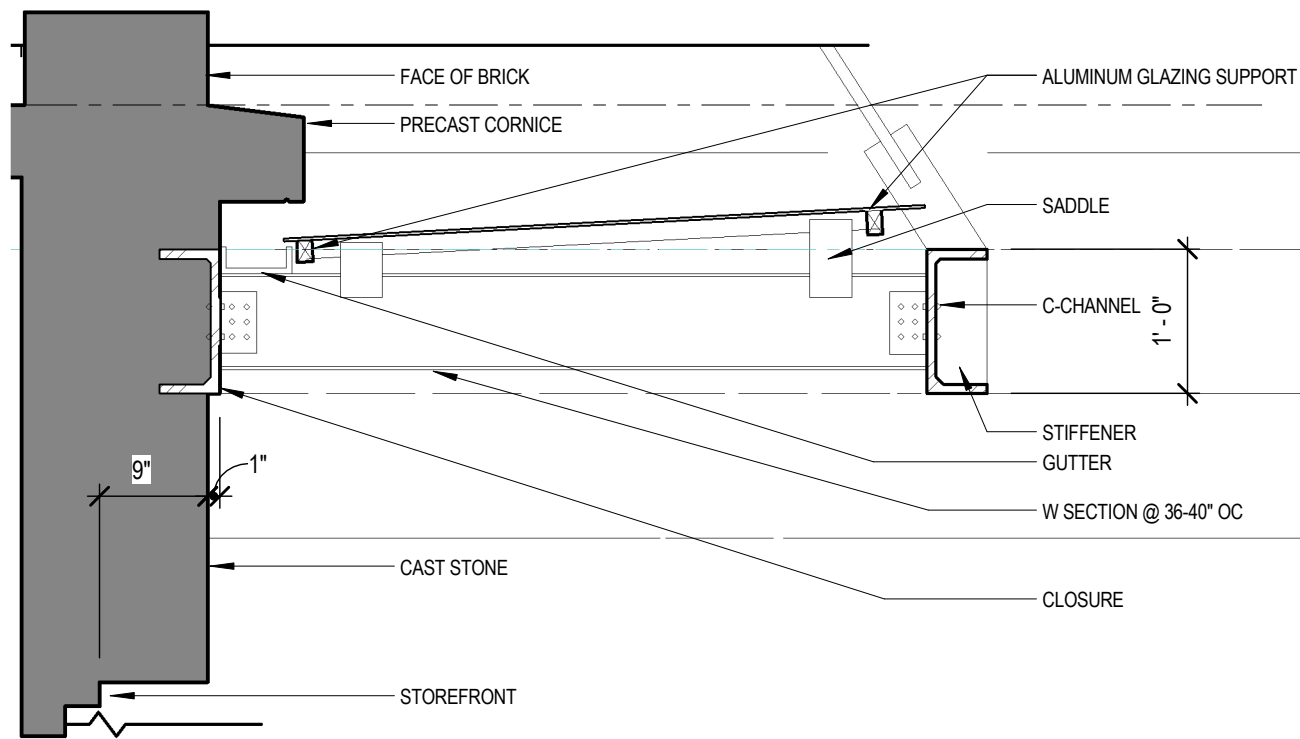
SCALE: 1/4" = 1'-0"
07-11-2018



2
6.1a

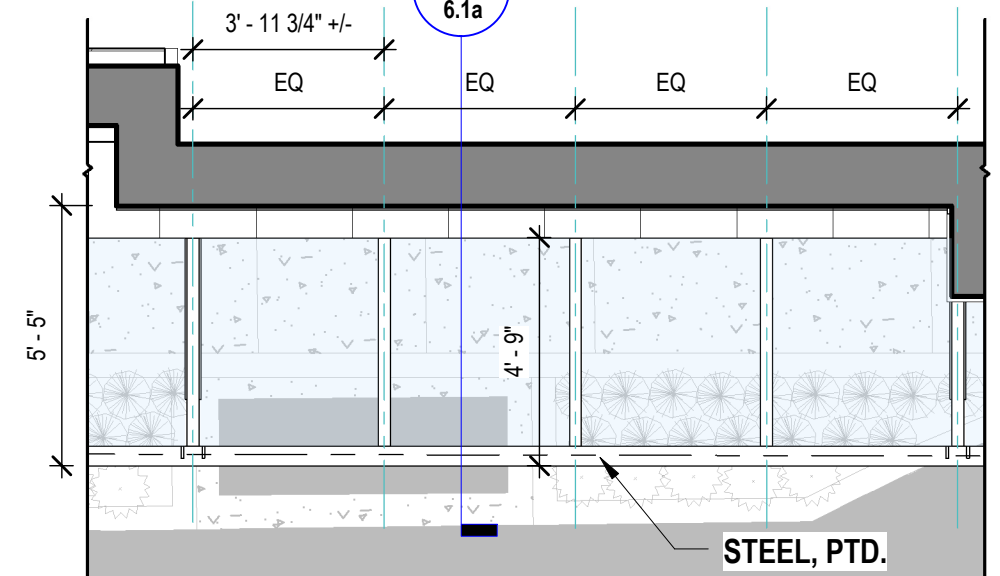


1 SIDE CANOPY ELEVATION
3/4" = 1'-0"



2 CANOPY SECTION DETAIL- SOUTH
3/4" = 1'-0"

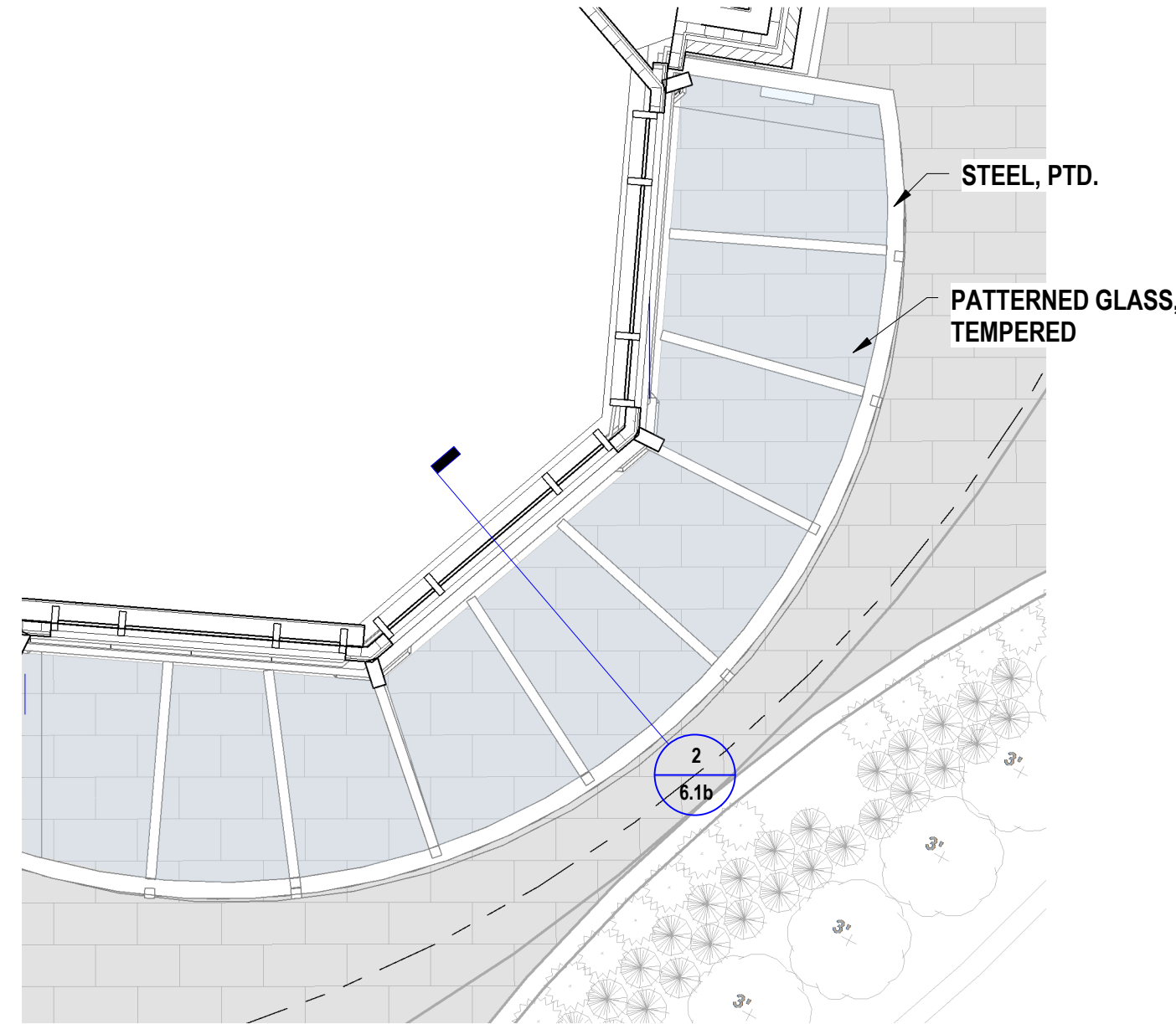
2
6.1a



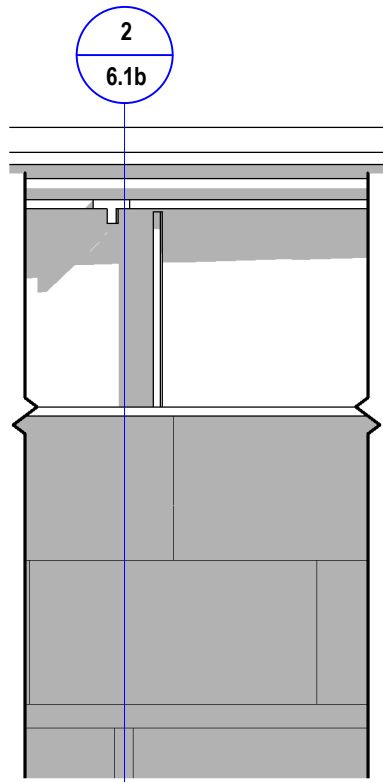
3 SIDE CANOPY PLAN
1/4" = 1'-0"



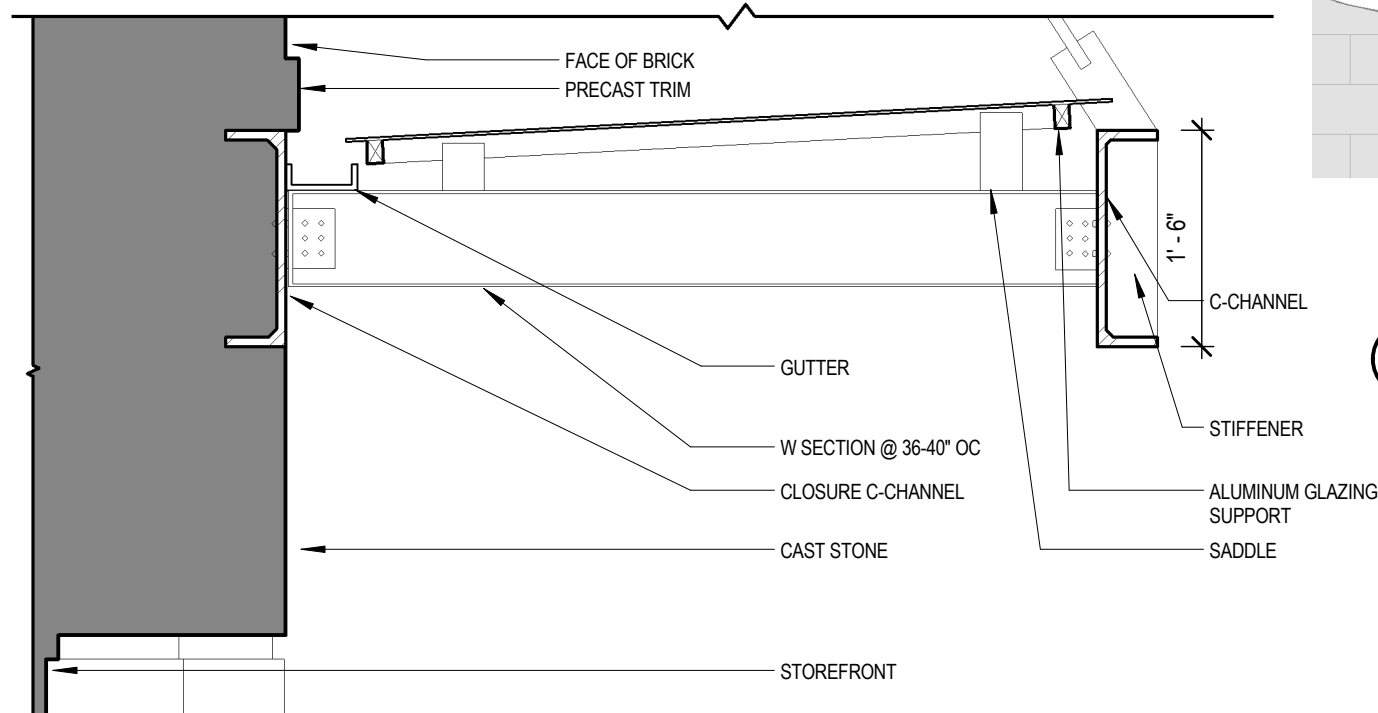
6.1a DETAILS - SIDE CANOPY
Lot 5 at Foundry Place
 07-11-2018



3 MAIN CANOPY PLAN
1/4" = 1'-0"



1 MAIN CANOPY ELEVATION
3/4" = 1'-0"



2 MAIN CANOPY SECTION
3/4" = 1'-0"

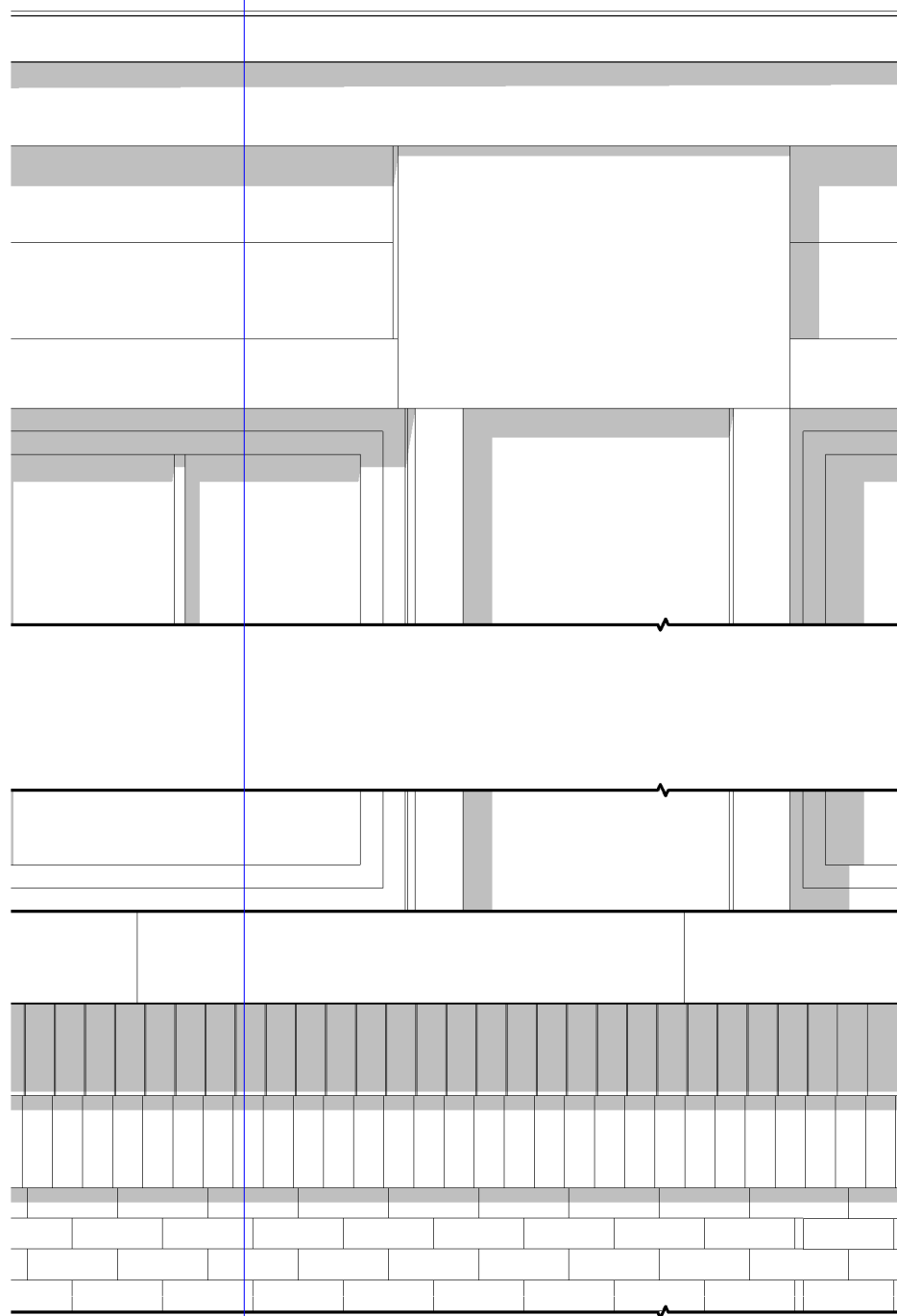
6.1b DETAILS - MAIN CANOPY
Lot 5 at Foundry Place

SCALE: As indicated
07-11-2018

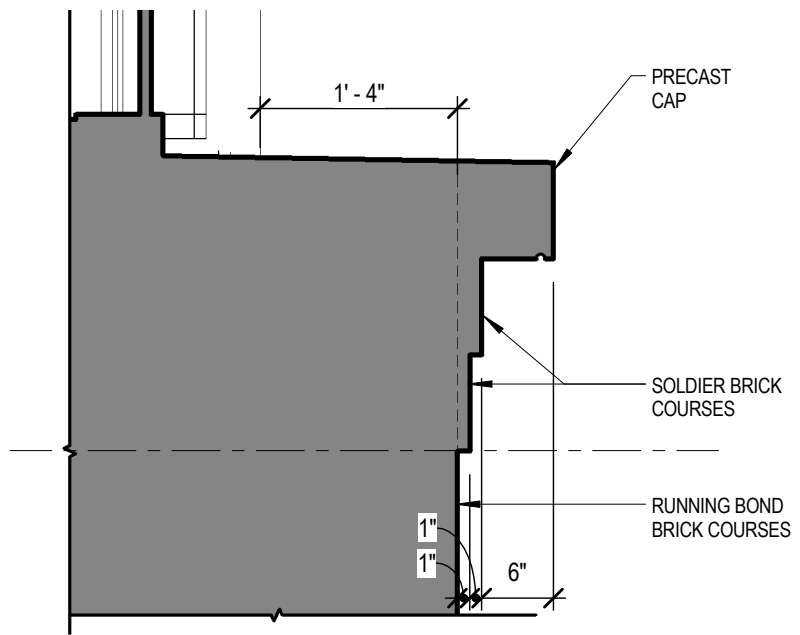
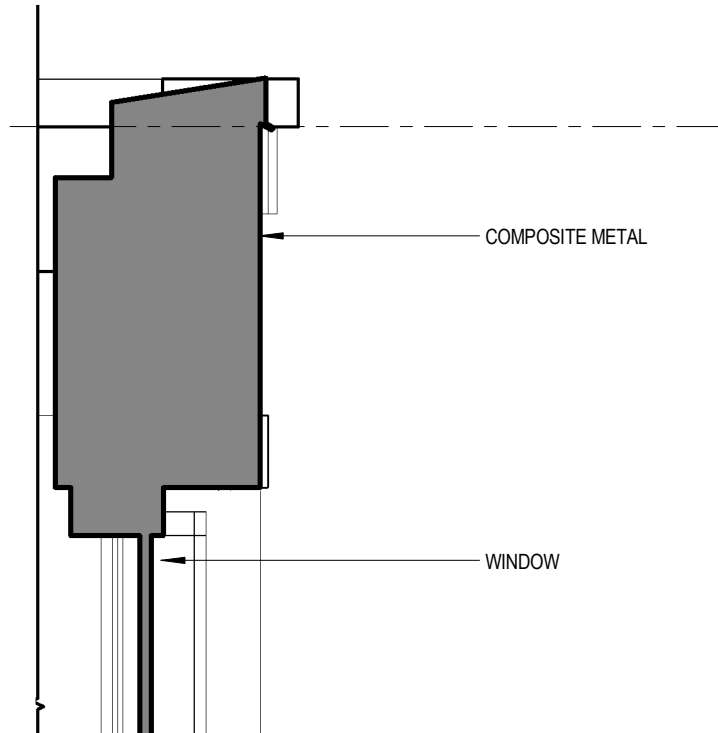


ARCHITECTS
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PLANNERS

2
6.2a



1 NORTH ELEVATION UPPER CORNICE
3/4" = 1'-0"



2 UPPER CORNICE SECTION
3/4" = 1'-0"

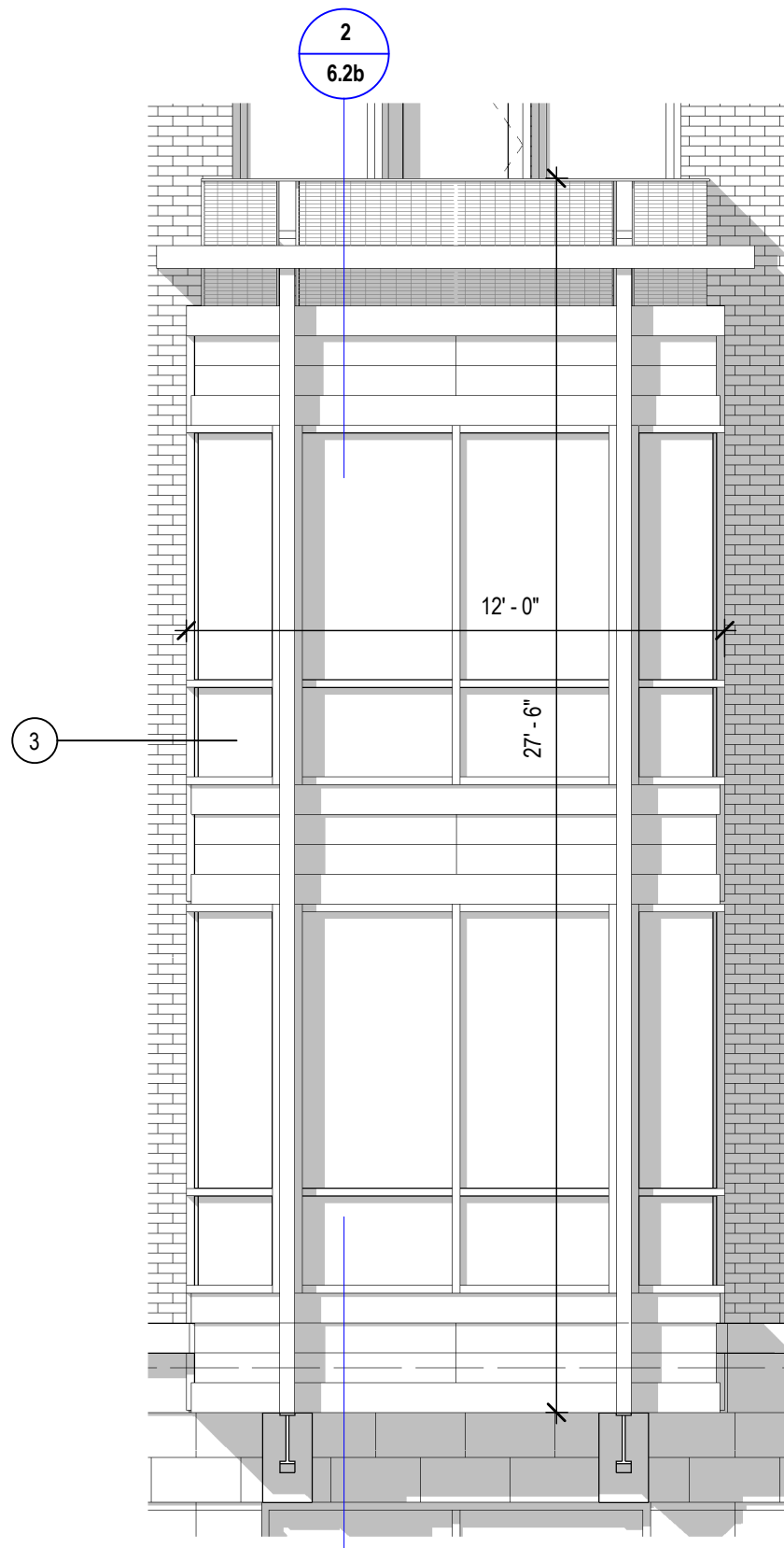


6.2a

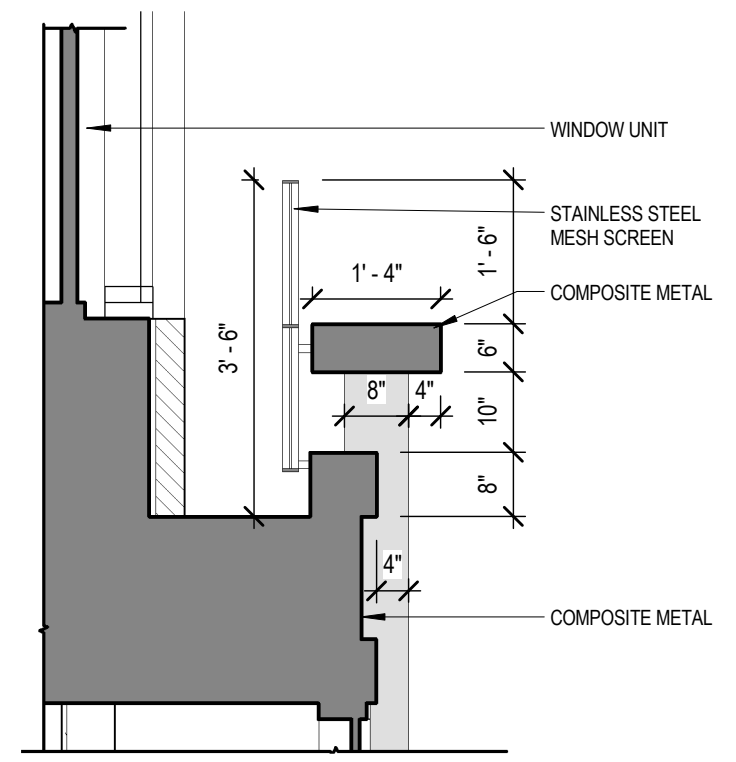
DETAILS - UPPER CORNICES

Lot 5 at Foundry Place

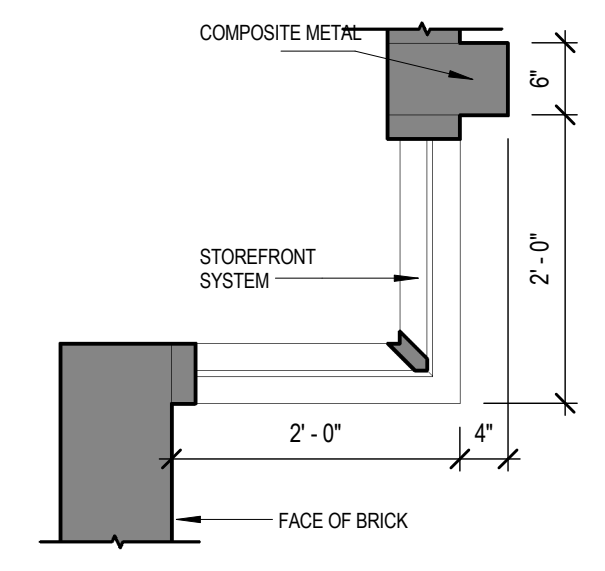
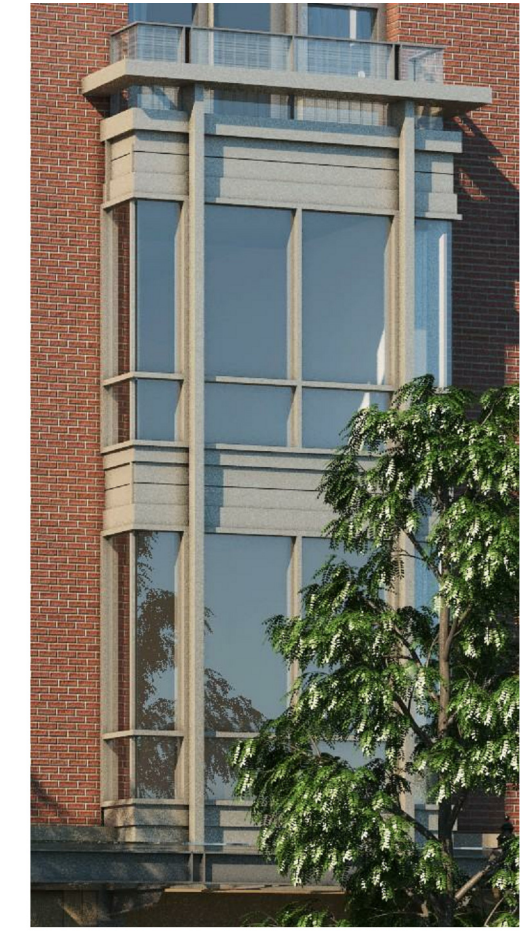
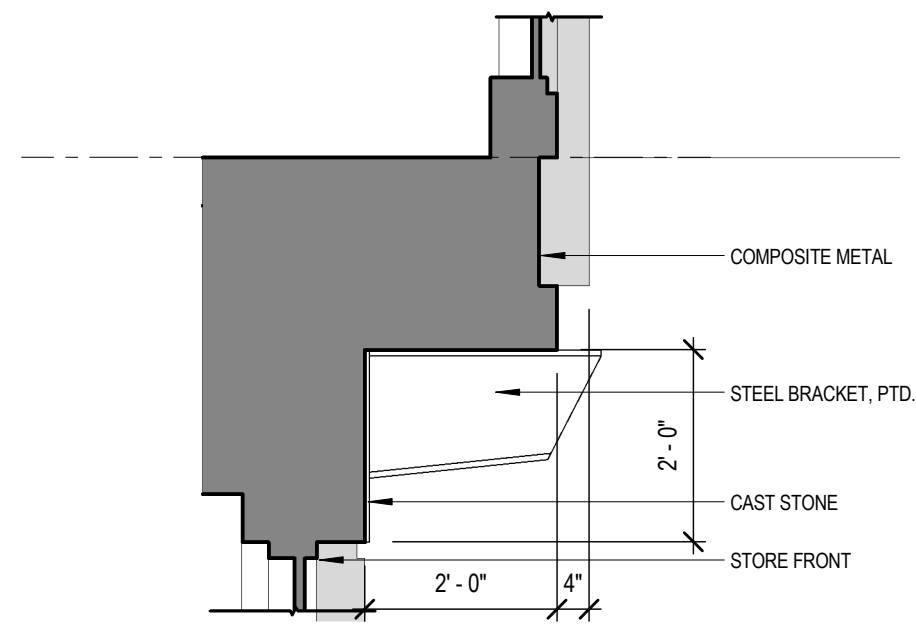
07-11-2018



1 NORTH BOX BAY ELEVATION
1/4" = 1'-0"



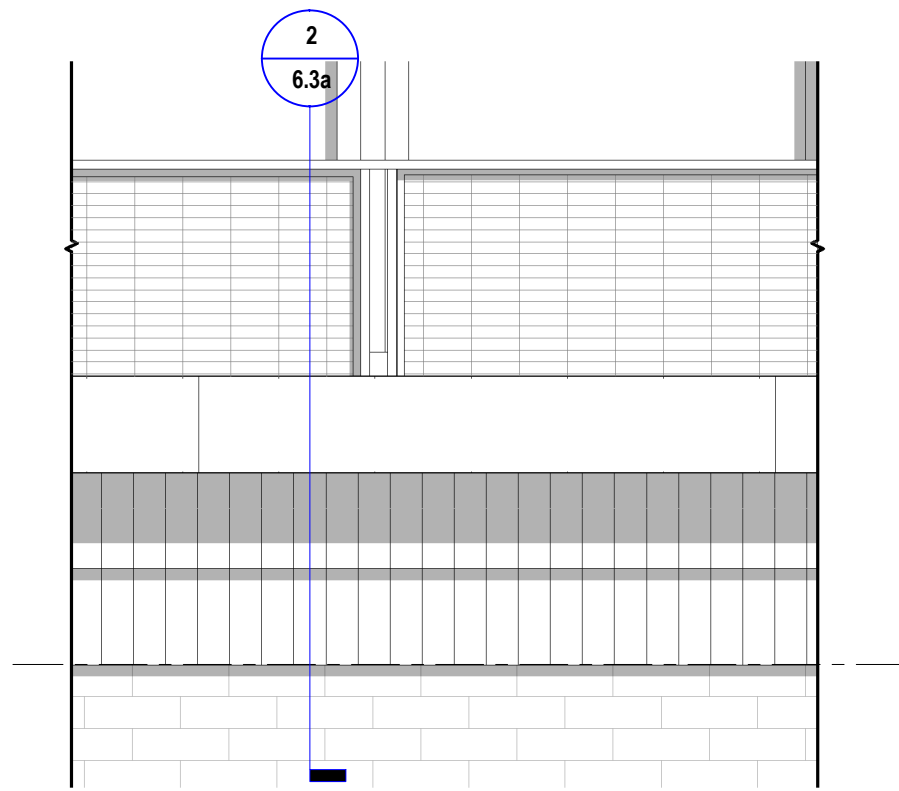
2 BOX BAY SECTION
1/2" = 1'-0"



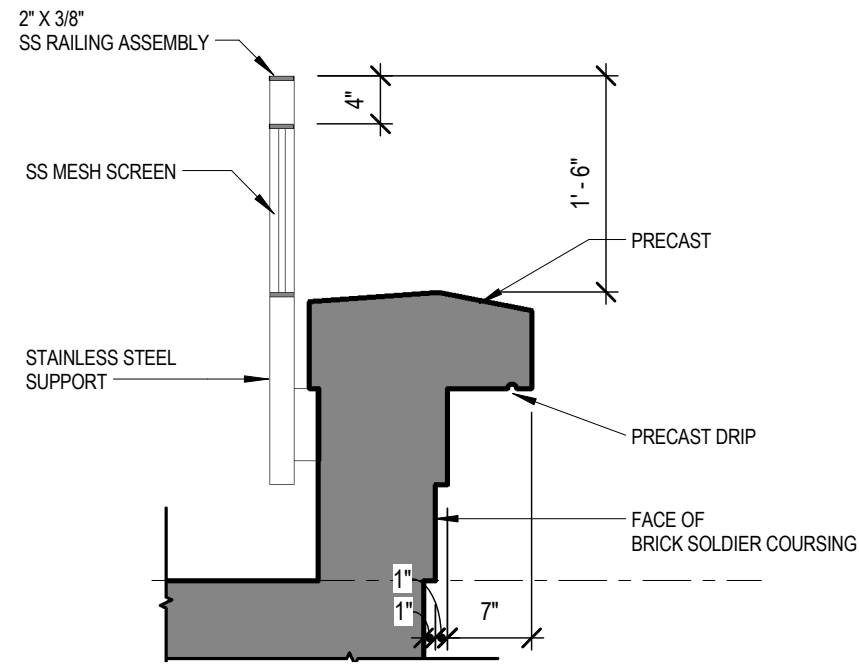
3 BOX BAY PLAN DETAIL
3/4" = 1'-0"

6.2b **DETAILS - BOX BAY**
Lot 5 at Foundry Place

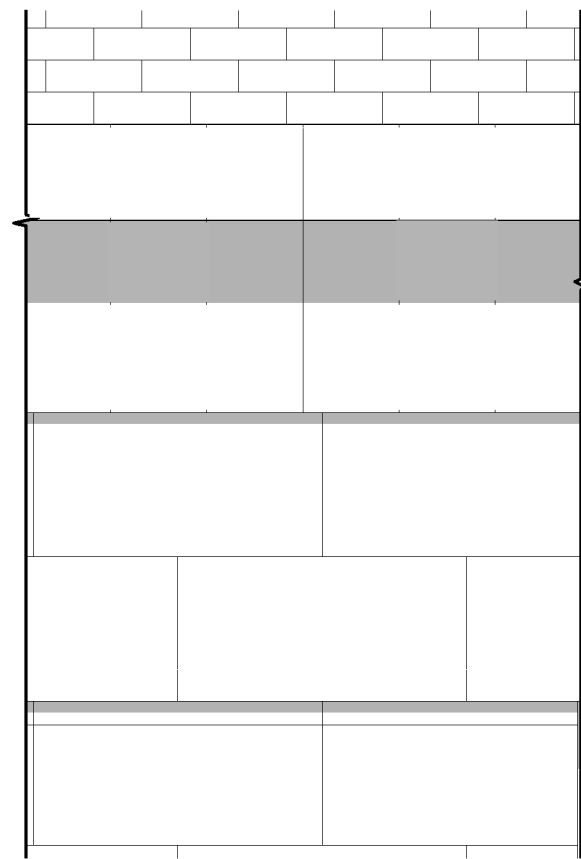
SCALE: As indicated
07-11-2018



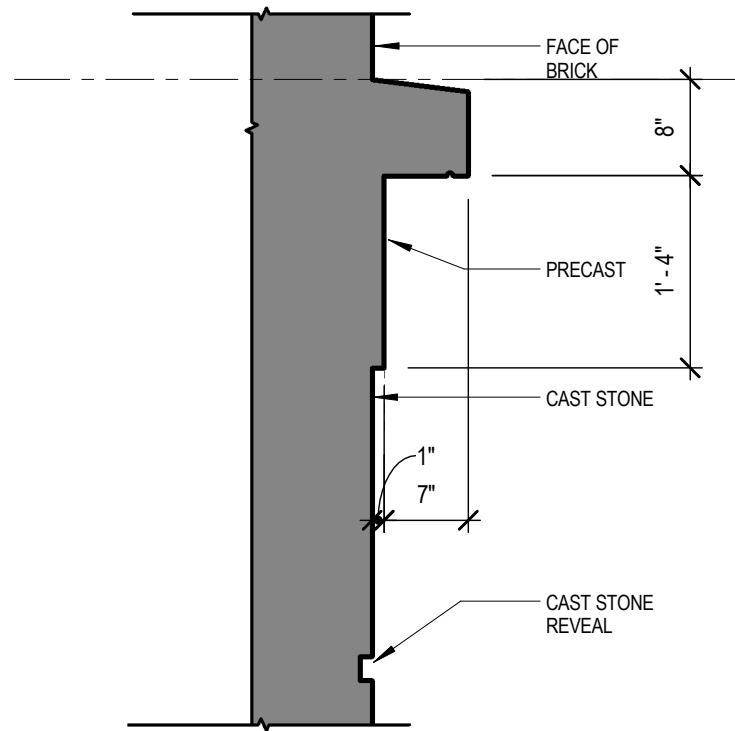
1 BALCONY RAILING ELEVATION
3/4" = 1'-0"



2 BALCONY RAIL SECTION
3/4" = 1'-0"



3 LOWER CORNICE ELEVATION
3/4" = 1'-0"



4 LOWER CORNICE PRECAST SECTION
3/4" = 1'-0"



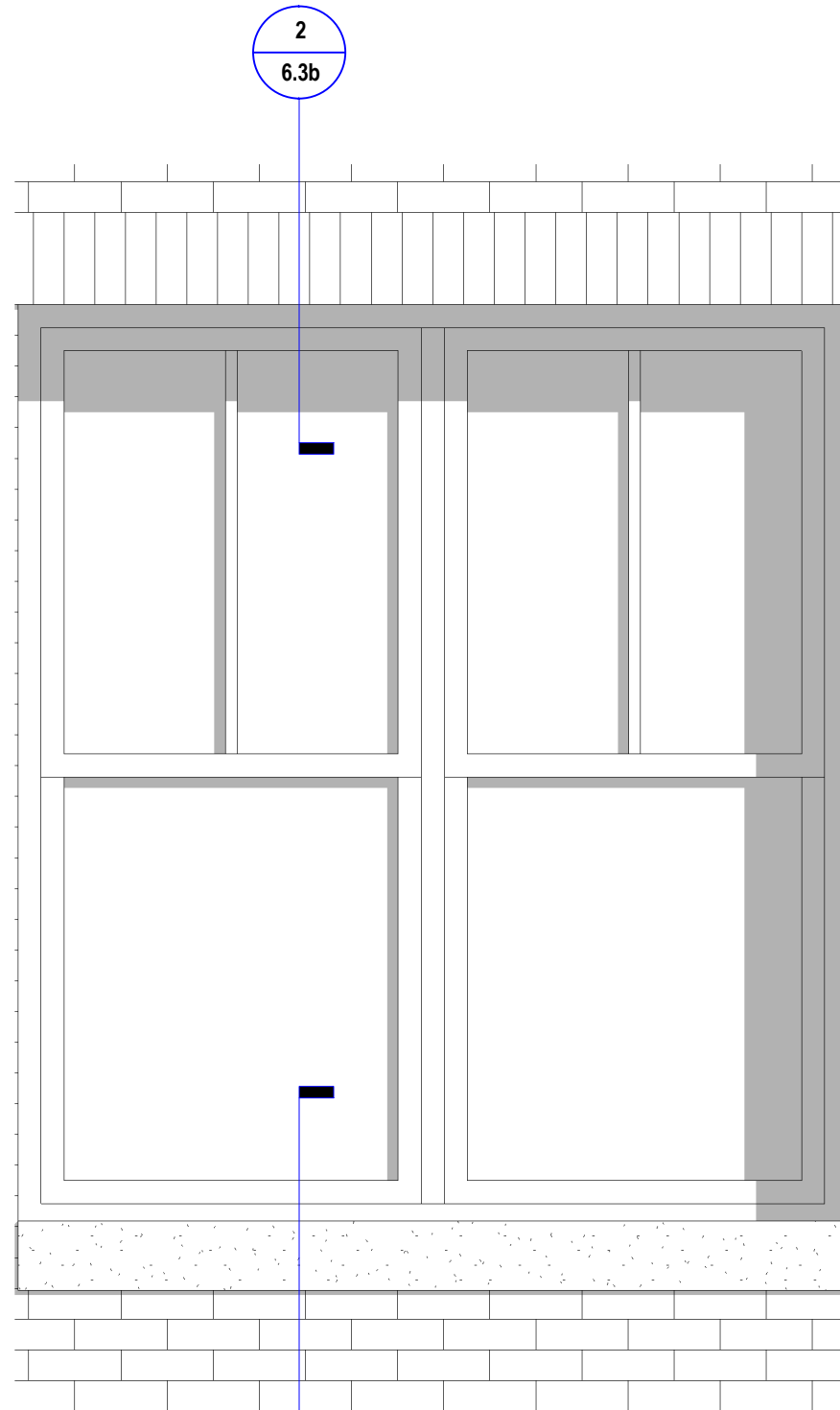
ARCHITECTS
INTERIORS
PLANNERS

6.3a

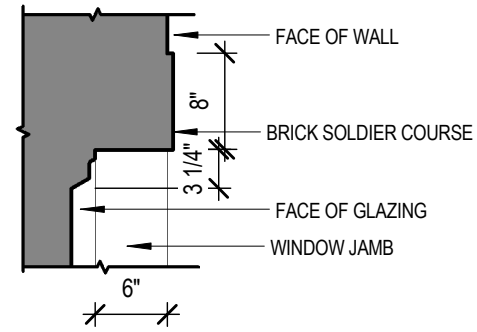
DETAILS - BALCONY & LOW CORNICE

Lot 5 at Foundry Place

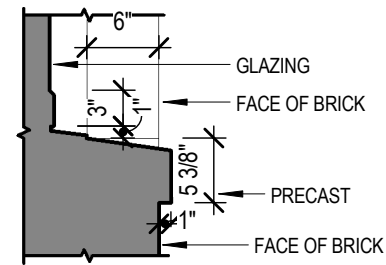
07-11-2018



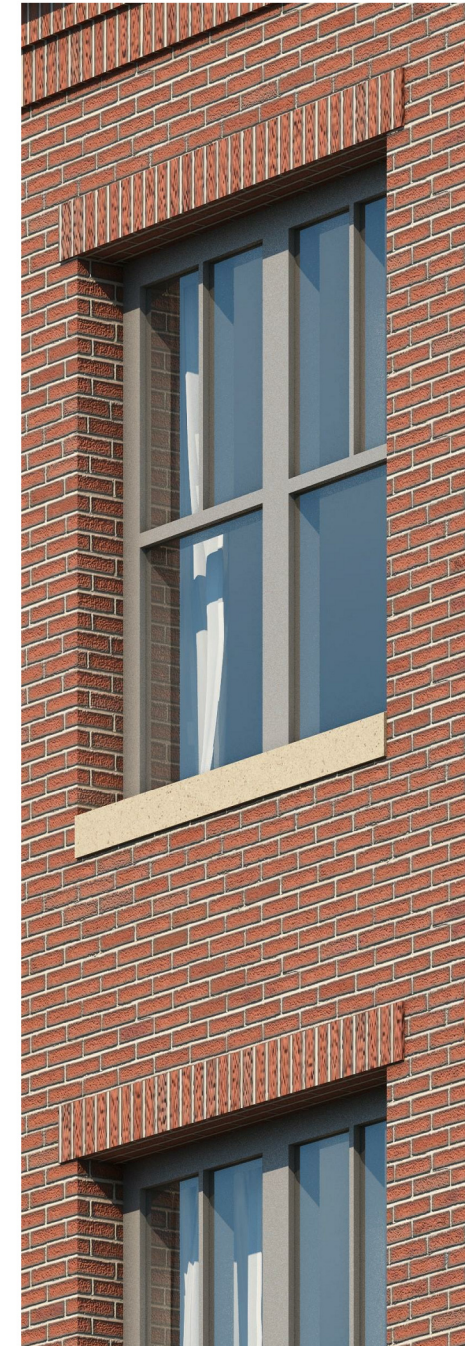
1 WINDOW ELEVATION - BRICK LINTEL
3/4" = 1'-0"



2 HEAD DETAIL - BRICK LINTEL
3/4" = 1'-0"

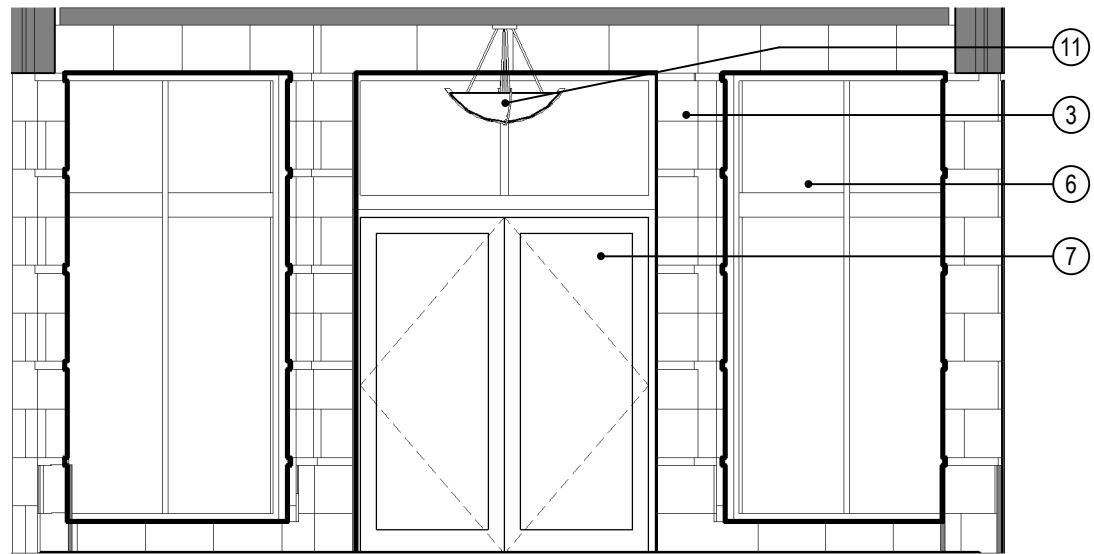


3 Sill Detail
3/4" = 1'-0"

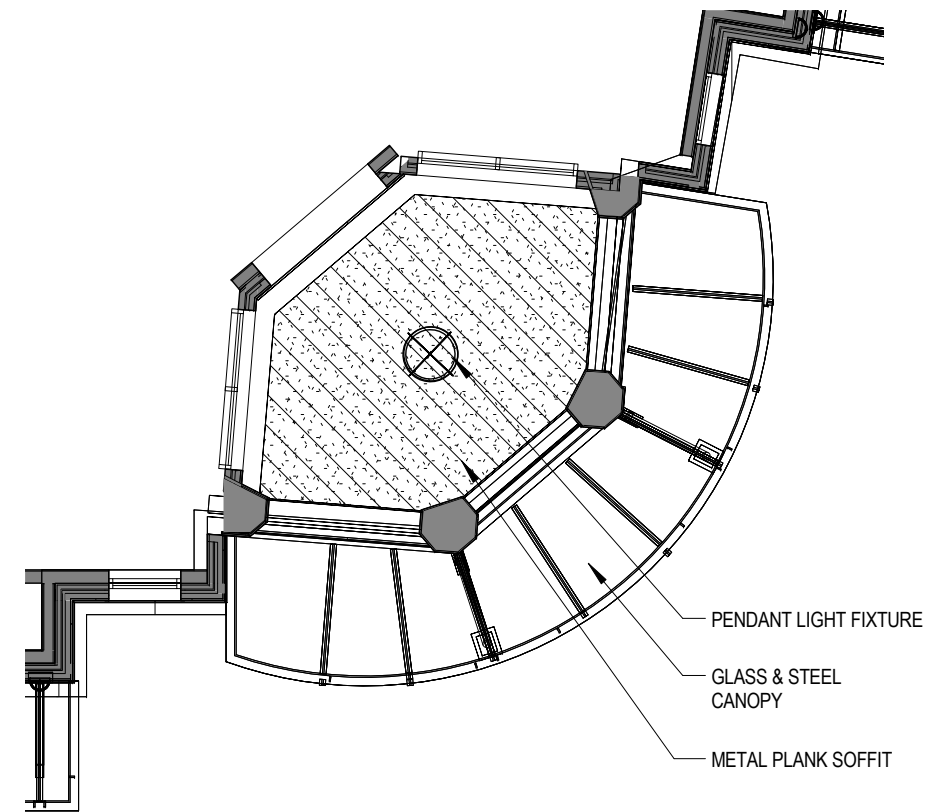


6.3b DETAILS - WINDOWS
Lot 5 at Foundry Place

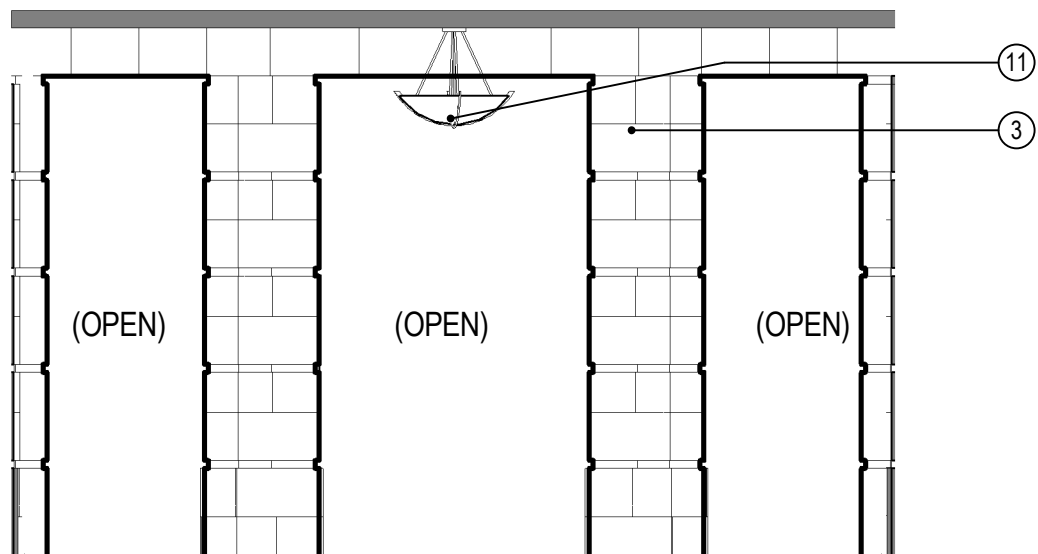
SCALE: 3/4" = 1'-0"
07-11-2018



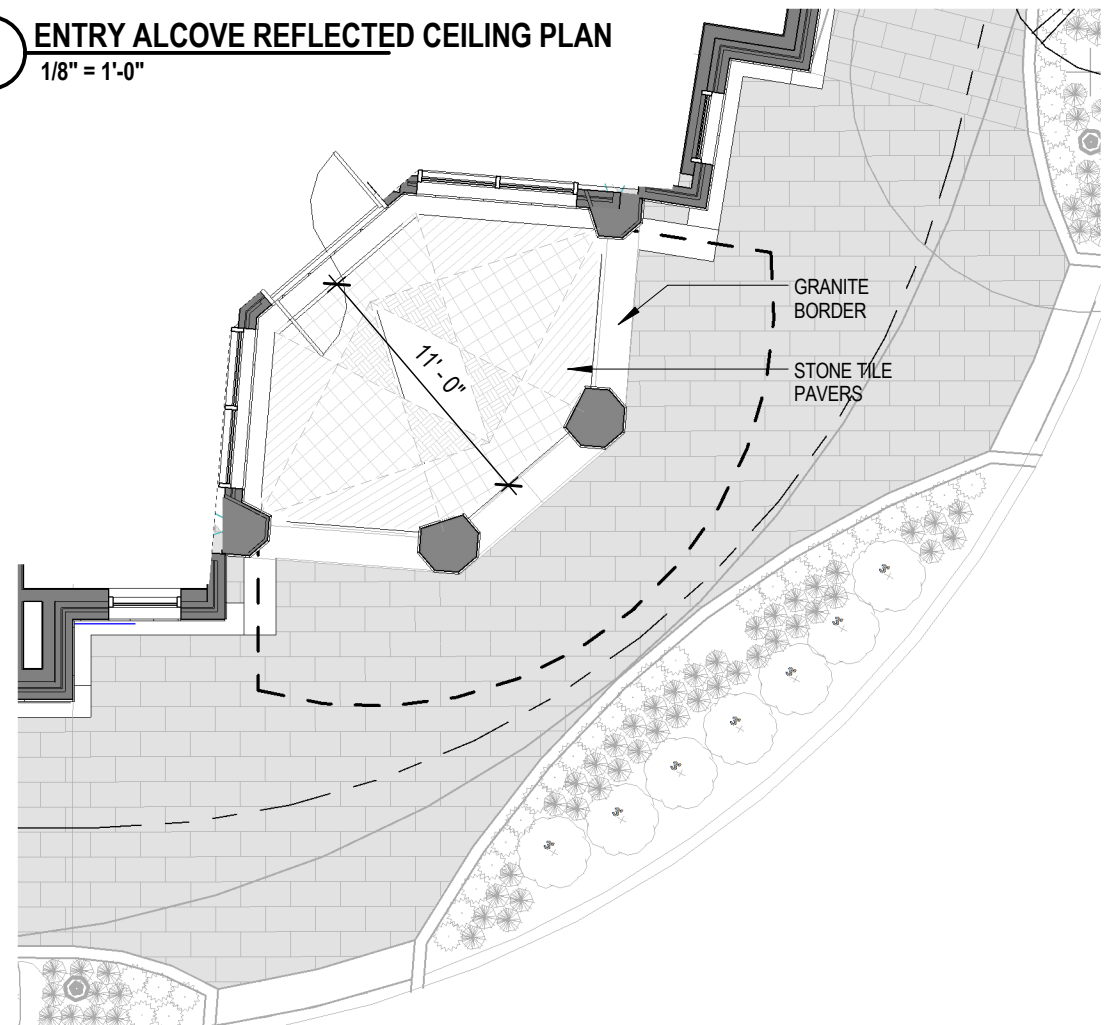
4 ENTRY ALCOVE ELEVATION
1/4" = 1'-0"



2 ENTRY ALCOVE REFLECTED CEILING PLAN
1/8" = 1'-0"



3 ENTRY ALCOVE ELEVATION
1/4" = 1'-0"



1 ENTRY ALCOVE FLOOR PLAN
1/8" = 1'-0"



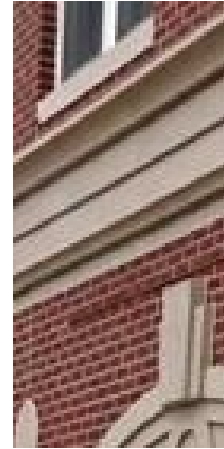
ARCHITECTS
INTERIORS
PLANNERS

6.4a

MAIN ENTRY ALCOVE - INTERIOR

Lot 5 at Foundry Place

07-11-2018



Key Note	Product	Manufacturer	Model/Make	Finish/Color
1	Brick	Morin	Royal River	Narrow Flash
2	Precast architectural concrete	MGA	Cast Stone	Light Limestone
3	Cast Stone	Arriscraft	Renaissance	Olive-dressed
4	Aluminum coping	Pac-Clad	Kynar coating	granite
6	Windows – aluminum clad wood	Pella	Architect Series Contemporary	Eldridge Gray
6	Windows – aluminum clad wood (option)	Kolbe	Sterling	Slate
7	Swing Door – Glass with aluminum frame	EFCO		annodized
7	Swing Door – aluminum panel	EFCO		annodized
8	Overhead door (loading dock)	Overhead Door	insulated steel, flat panel	gray/granite equivalent
9	Railing system – metal mesh	Cambridge Architectural	Braid	Stainless Steel
10	<i>not used</i>			
11	Light fixture	Eclipse	Galileo Basic T Thor	Bronze
12	Canopy – metal & glass	custom	painted steel & frosted temp/laminated glass	
13	Metal louvered mechanical screening	RoofScreen	VisionGuard L10 Angled Louver	Kynar Coating, "zinc"
14	Aluminum composite panel	AlucaBond		granite
14	Aluminum composite panel (option)	Alpolic	FEVE/Lumiflon	granite
15	Mortar	GlenGery		G-407
16	Exposed Steel, painted finish	custom	custom	gray/granite equivalent
17	Metal fence with hedge plantings		woven chain link	black coating

6.4b

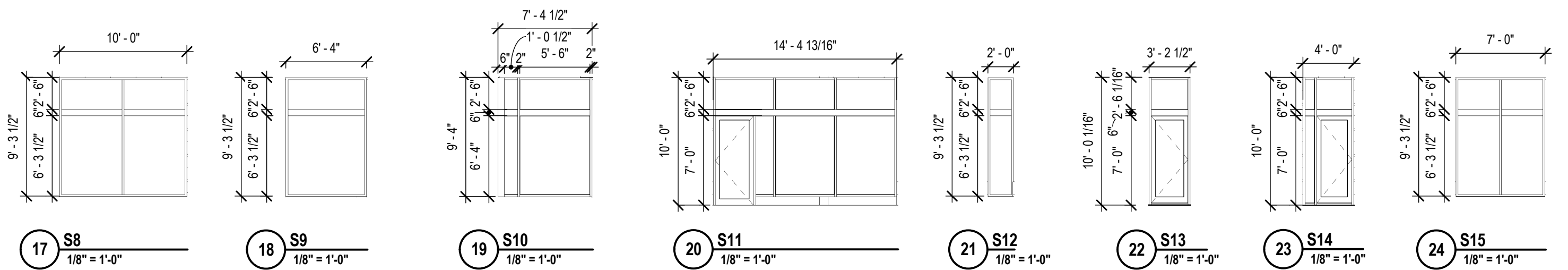
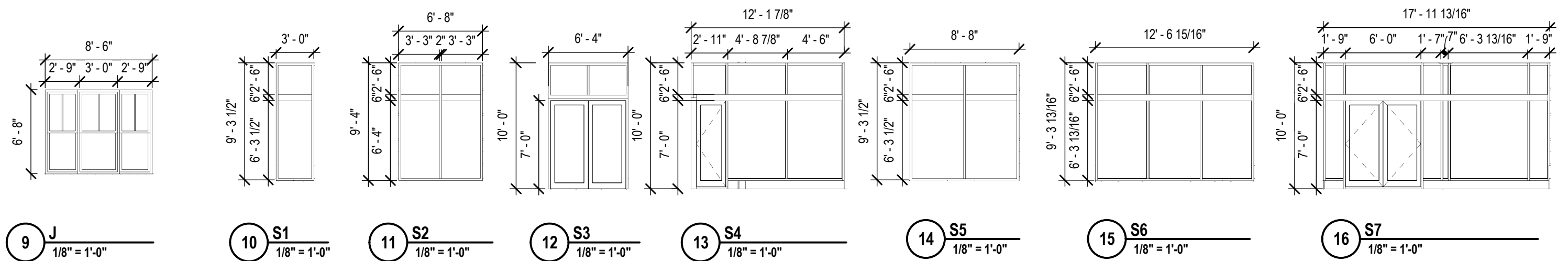
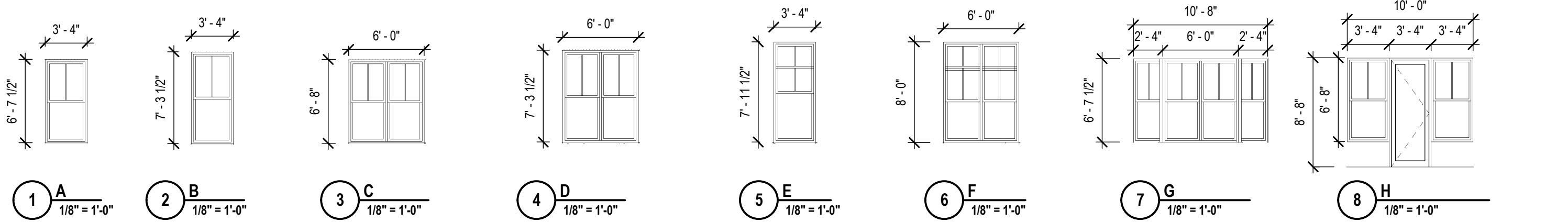
MATERIALS SCHEDULE

Lot 5 at Foundry Place

SCALE:
07-11-2018

JSA

ARCHITECTS
INTERIORS
PLANNERS




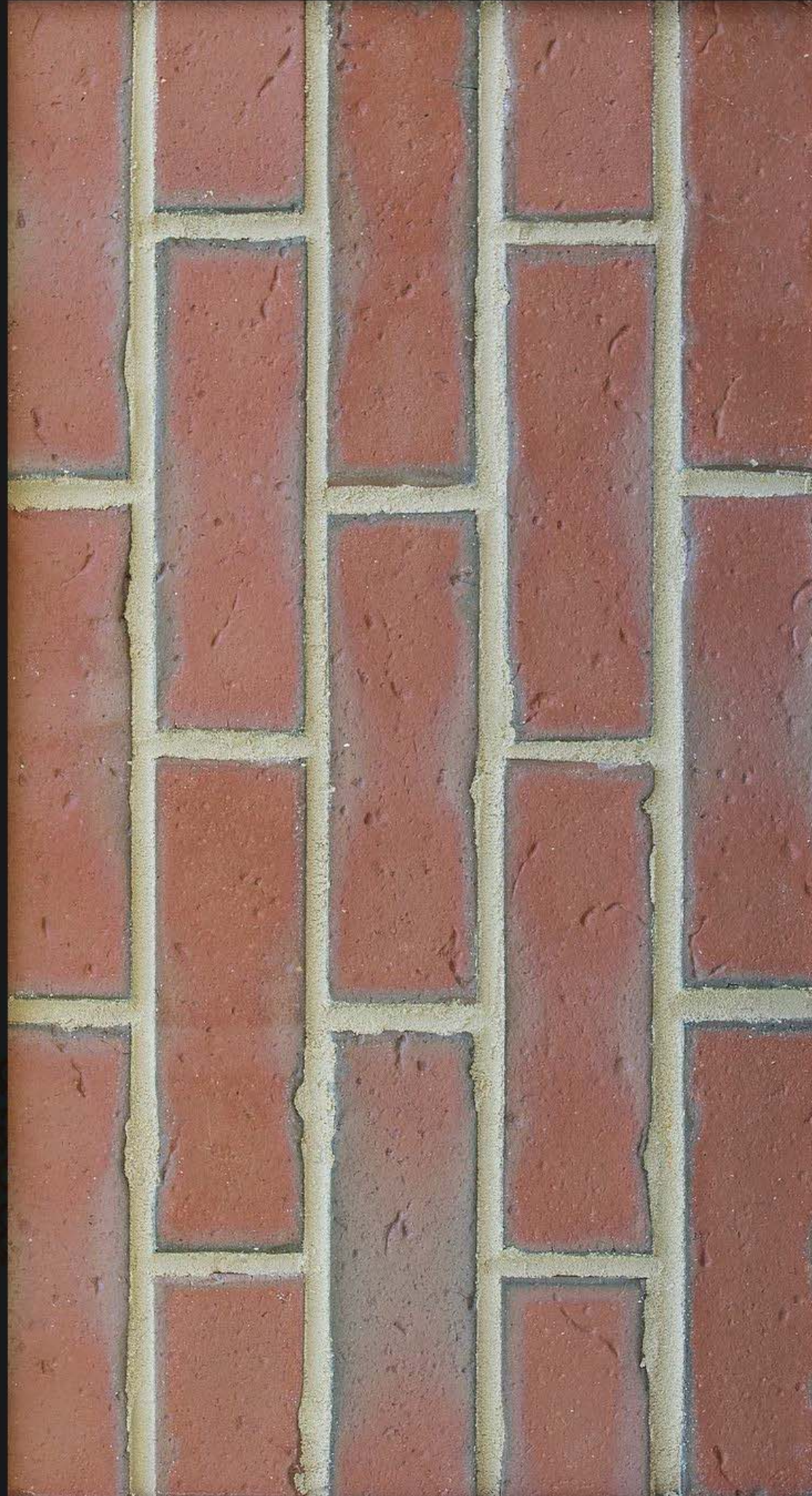
MATERIALS PRODUCT DATA

PUBLIC HEARING - JULY 2018

INDEX

1. BRICK MASONRY
2. ARCHITECTURAL PRECAST CONCRETE
3. CAST STONE
4. ALUMINUM COMPOSITE PANEL
5. ALUMINUM COPING
6. WINDOWS
7. STOREFRONTS
8. OVERHEAD DOOR
9. METAL MESH RAILINGS
10. FENCE & PLANTING
11. LIGHTING

	Project: Lot 5 at Foundry Place	Project No: 14837.05	Reference
	Title: MATERIALS PRODUCT DATA	Scale:	Reference:
	273 Corporate Drive T 603.436.2551	Portsmouth, NH 03801 www.jsainc.com	Drawn By
		Date:	



Royal River Narrow Flash Range, NB



- HOME
- ABOUT
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- TESTIMONIALS
- RESOURCES
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- CONTACT



ARCHITECTURAL PRECAST & CAST STONE



Our Products - Architectural Precast Concrete and Cast Stone

MGA Cast Stone produces a variety of products for your architectural needs. Products produced daily include:

- Sills
- Lintels
- Wall panels
- Watertable
- Pilasters
- Columns
- Capitals
- Cornice
- Entablatures
- Arches
- Caps
- Signs and lettering
- Accent banding
- Restoration projects
- Custom projects of varying size and dimensions



Finishes:

Our standard finish is an etched finish. A blasted finished can be chosen at request.

Our standard set of colors are:

Dove Grey, White, Light Buff, Limestone, Dark Buff, Pewter, Cream, Light Limestone, and Coral.

Granitex Line - This is our line of precast designed to simulate granite.

Our Premium Granitex Colors are:

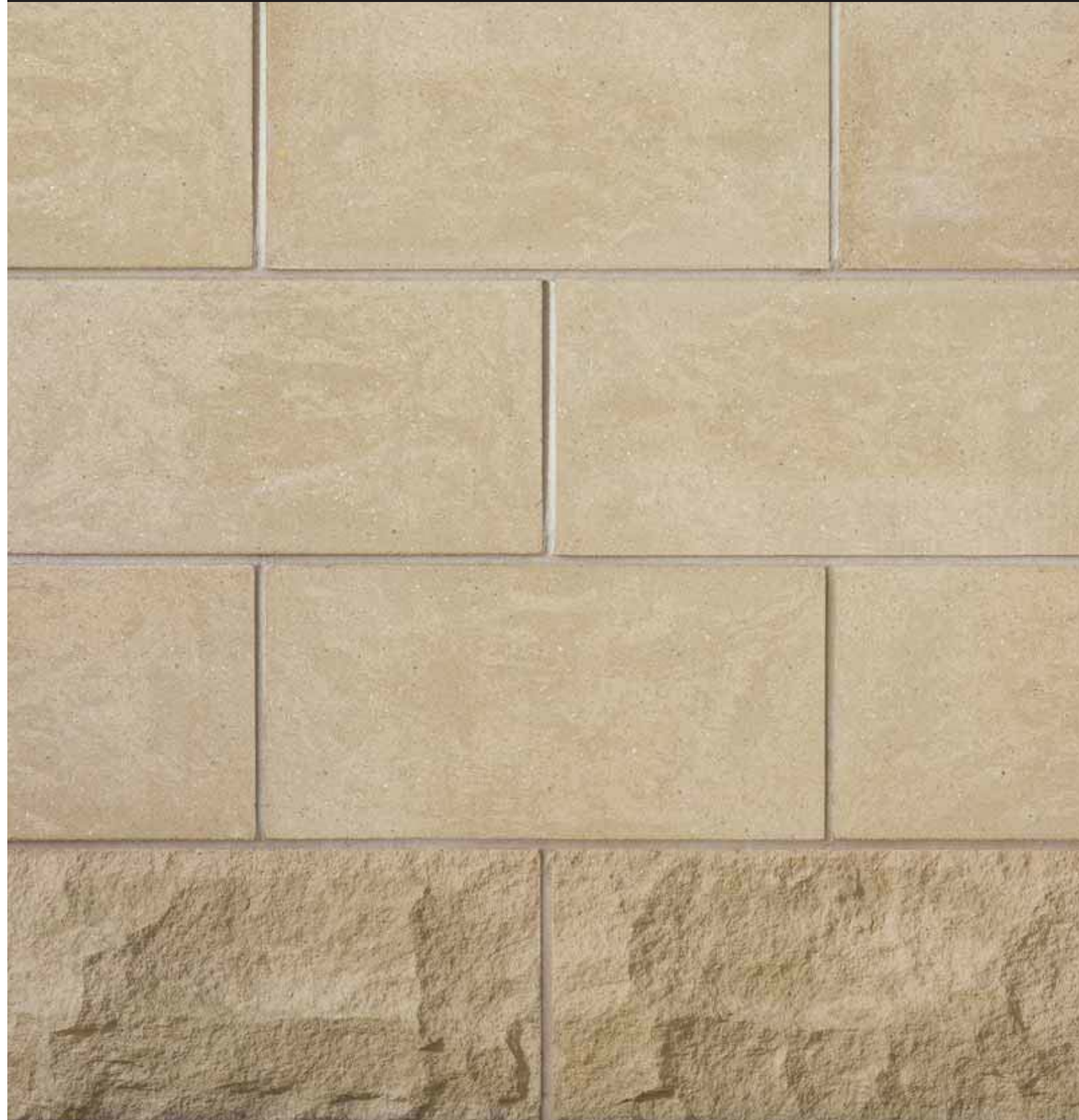
Cumberland White, Camden Gray, Hampden Pewter

We provided custom color match for any job at your request!

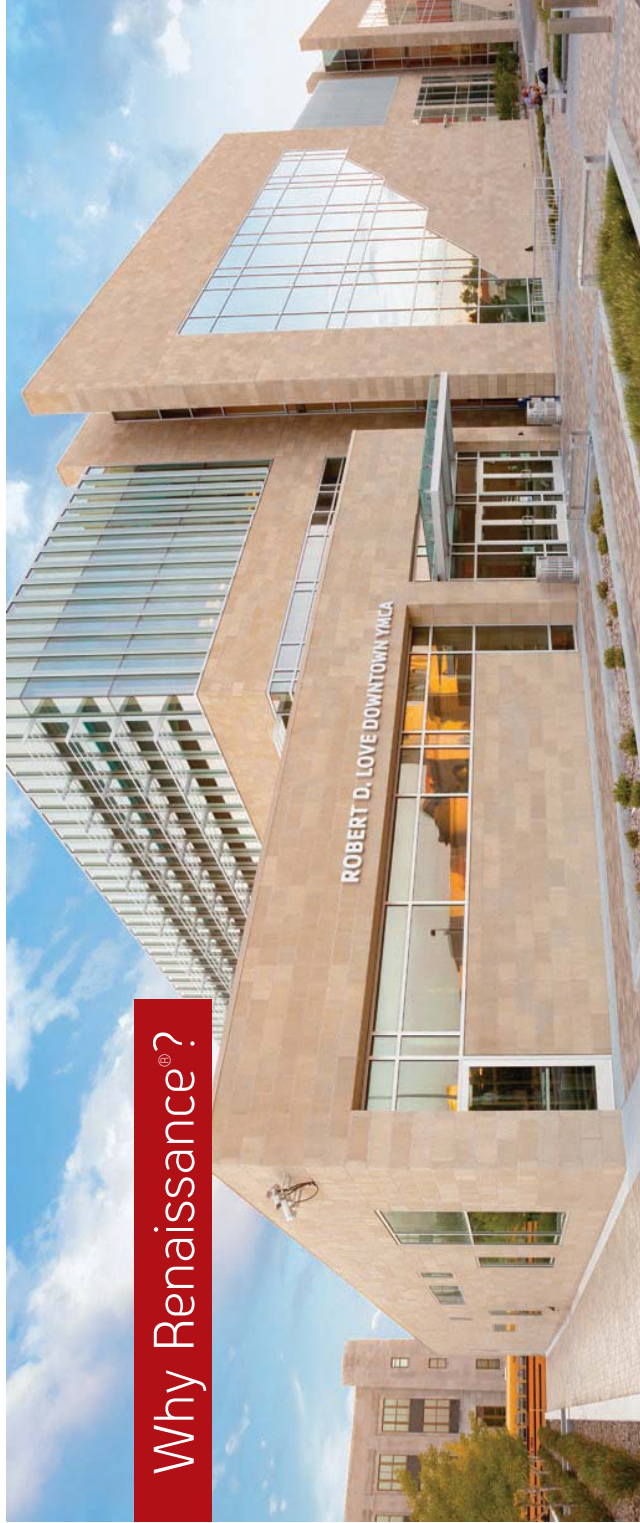


Renaissance[®]

Masonry Units



Why Renaissance®?



Robert D. Love Downtown YMCA - Wichita, KS | Schaefer, Johnson Cox Frey Architecture | Scairiff Sandblasted

“ Arriscraft stone brings timeless elegance to our modern design. The best products, the best service, the best results.”

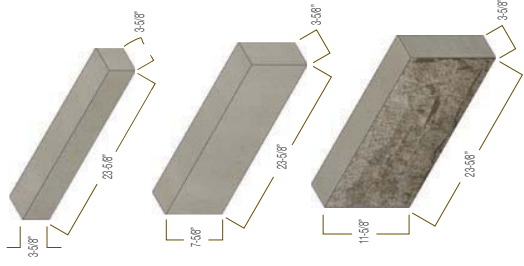
MILAN MALINOVIC, PRINCIPAL
Design Cooperative, LLC



Arriscraft Renaissance® Masonry Units offer architects, builders and property owners a premium stone with exceptional performance, beauty and flexibility. Our unique Natural Process technology mimics how stone is created in the earth – yielding cement-free stone products with the aesthetic, strength and durability benefits of quarried stone, plus cost effective installation.

Renaissance® units are offered in standard sizes and colors, yet offer tremendous flexibility through custom colors, blends, shapes and sizes - in rocked, smooth, satin, or sandblasted finishes . Discover the unparalleled beauty and design opportunities of Renaissance® Masonry Units, backed by an industry-unique lifetime product warranty.

Standard Masonry Units



NATURAL EDGE®

Our Natural Process technology replicates how stone is formed in the earth and creates products with the aesthetics and durability of quarried stone, plus the benefits of standard installation and unlimited supply.



SELECTION

Our comprehensive product range includes: the classic Renaissance® stone, a robust Building Stone collection, three versatile thin-clad options, various brick styles (including our long, contemporary option), Adair® limestone, and a full offering of cast accessories.



SOLUTIONS

We lead the industry in premier product support, including an extensive technical library, complimentary Masonry Envelope Review services, personal technical support, and renowned custom color and blend development. Our on-site technical services can provide historical matching, unique colors and custom blends, as required.



INNOVATION

Product innovation at Arriscraft continues to meet market demands for modern stone designs and lightweight, thin stone solutions, as well as matching processes to replicate historical stone as quarries close after decades of use. We also continuously improve our manufacturing process to lead the industry in green and sustainability initiatives.



EDUCATION

We educate daily through our technical support, AIA credit courses, and an ever-broadening information base. Our website offers high-res color sheets, data sheets, seamless texture images, a Building Stone Calculator, plus our growing blog of articles and tips. For decades we've provided complimentary mason training and student tours, and sponsored the University of Waterloo Architecture Lecture Series.



PAC-CLAD

P E T E R S E N

Architectural Metal



Custom Fabrication, Curtainwall,
Storefront and Wall Applications

CUSTOM FABRICATION



Understanding that it's all in the details is how Petersen provides custom fabrication that meets the most exacting requirements. With state-of-the-art technology and insightful expertise, Petersen ensures unmatched quality and service from coil to finished part to complete even the most demanding project.

Petersen's goal is simple: Provide precision-made parts to closely held tolerances to meet all of a customer's expectations. With the most advanced CNC shearing and bending equipment combined with more than 50 years of industry experience, Petersen offers superior innovation and flexibility for producing a wide range of custom architectural components.

FABRICATION CAPABILITIES

- ▶ Ideal for curtain wall, glass and glazing industries
- ▶ Precision shearing to meet exact dimensions
- ▶ Can produce parts up to 20' long
- ▶ Custom radius and bull nose parts
- ▶ Available in custom heavy or light gauge parts:
 - Galvanized steel from 16 to 26 gauge
 - Copper in 16 oz. and 20 oz.
- ▶ Able to achieve custom-designed panels as well as simple angles

FINISHING CAPABILITIES

- ▶ Spray-applied, non-standard or custom colors available in Kynar 500 formulation
- ▶ Exterior grade and Class I architectural anodized finishes available



PAC-CLAD® COLOR CHART

TRIM

PAC-CLAD products are available in prime quality aluminum (.032 - .063), 24 gauge G-90 galvanized steel and 22 gauge Galvalume steel, finished with a PAC-CLAD 70% full PVDF (Kynar) finish (top side), with a washcoat (bottom side). Other metals available include copper, bare galvanized steel, Galvalume Plus and anodized aluminum.

A strippable vinyl film can be applied to coil, flat sheet or fabricated parts, for protection during fabrication and installation, if desired. Vinyl masking is recommended on all applications where extra handling is expected. NOTE: The strippable film must be removed immediately after installation.

FINISH WARRANTY

Life expectancy is 30-years plus on 70% full PVDF-finished materials. A 30-year, non-prorated warranty covering color fade, chalking and film integrity is available at no extra charge. Warranty terms vary slightly for Cardinal Red, Award Blue and embossed finishes.

PAC-CLAD METALLICS

Petersen can supply metallic finishes with the economy of a one-pass, two-coat system at a moderate additional cost. These colors are ideal for curtainwall and roofing applications. A PAC-CLAD Metallic 30-year, non-prorated finish warranty applies; proper orientation required. This is a directional finish.

OUR COMMITMENT TO SUSTAINABILITY

PAC-CLAD products provide not only unmatched aesthetics and performance, but also an element of sustainability to any project. Where possible, our products include a high percentage of recycled material, which lowers the environmental footprint. Additionally, our products offer a long life span, and at the end of their extended service life, are 100% recyclable which may reduce the solid waste stream to landfills.

Petersen also offers the industry's widest range of color selections, most of which feature outstanding SRI (Solar Reflectance Index) values for improved cooling and energy savings performance. To meet this demand for sustainable and energy-efficient products, PAC-CLAD offers 29 finishes that are listed with the Cool Roof Ratings Council, and 32 colors that are Energy Star®-approved. In addition, 22 PAC-CLAD finishes have an SRI of 29 or higher for steep slope roofs, to allow a building to qualify for credits in the U.S. Green Building Council's Leadership in Energy and Environmental Design (LEED) Green Building Rating System. Refer to our green website – pacgreeninfo.com – for the most current information on sustainable cool metal roofing.

valspar

Petersen Aluminum has been a proud partner with Valspar since 1972

STANDARD COLORS

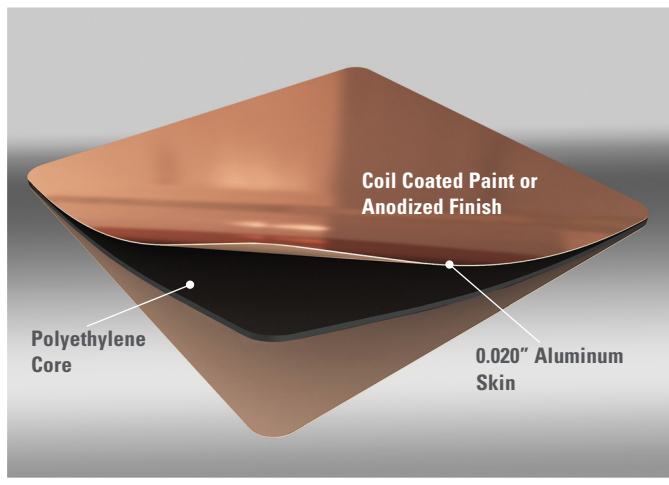


* Denotes PAC-CLAD Cool Color

PREMIUM COLORS



This color chart is not an exact representation of PAC-CLAD actual colors. Color charts and sample chips are available on request at no charge.



ALUCOBOND PE

Alucobond® PE consists of two sheets of smooth 0.020" nominal aluminum thermobonded to a polyethylene core in a continuous process. Alucobond® PE offers the proven product properties of the Alucobond® family, such as flatness, formability, resistance to wear and simple processing. The superb properties of this material boost one's inspiration and offer architects a wide range of lengths, widths and a rainbow of consistent color and finish options.

PRODUCT DESCRIPTION

Material Composition

- › Aluminum interior and exterior facings in 0.020" nominal thickness to ensure flatness
- › Polyethylene (PE) core available in 3mm, 4mm and 6mm nominal thickness

Sheet Widths

- › Standard coil coated widths include 50" and 62"
- › Standard anodized widths include 62"
- › Custom width 40"

Sheet Lengths

- › Standard lengths include 146" and 196"
- › Custom lengths for coil coating up to a maximum of 360"
- › Custom lengths for anodized up to a maximum of 216"

Minimum Bending Radius

- › The minimum bending radius of Alucobond PE without routing the interior skin is 15 times the thickness of the material

FIRE TESTING

UL-94

- › In a test of 6mm Alucobond PE material, all test criteria were passed, resulting in a 94 V-0 rating for Alucobond material

ASTM E-108, Modified

- › This test impinges a gas flame on a vertically erected panel with a typical construction joint to simulate an exterior installation. In tests of both 4mm and 6 mm Alucobond material, the basic 15 minute test objective was exceeded. Neither of the material thickness contributed to vertical or horizontal flame spread and no significant outgassing was observed

TECHNICAL SUMMARY

Temperature Resistance

- › Withstands environmental temperature changes from -55°F to +175°F
- › Coefficient of linear expansion is governed by the aluminum sheet

Technical Properties

	3mm	4mm	6mm
› Nominal Thickness:			
› Nominal Weight:	0.92 lb/ft ²	1.12 lb/ft ²	1.49 lb/ft ²
› Moment of Inertia:	.000108 in ⁴ /in	.000212 in ⁴ /in	.000525 in ⁴ /in
› Section Modulus:	.00196 in ³ /in	.00275 in ³ /in	.00432 in ³ /in
› Rigidity:	1091 lb-in ² /in	2143 lb-in ² /in	5299 lb-in ² /in

Sustainability Design

- › LEED 3
- › LEED v4
 - LCA Industry Standard
 - EPD Industry Standard



Accepted Code Evaluation Reports

- › 1. ICC-ES
- › 2. Florida Product Approval
- › 3. Miami-Dade County NOA
- › 4. City of Los Angeles

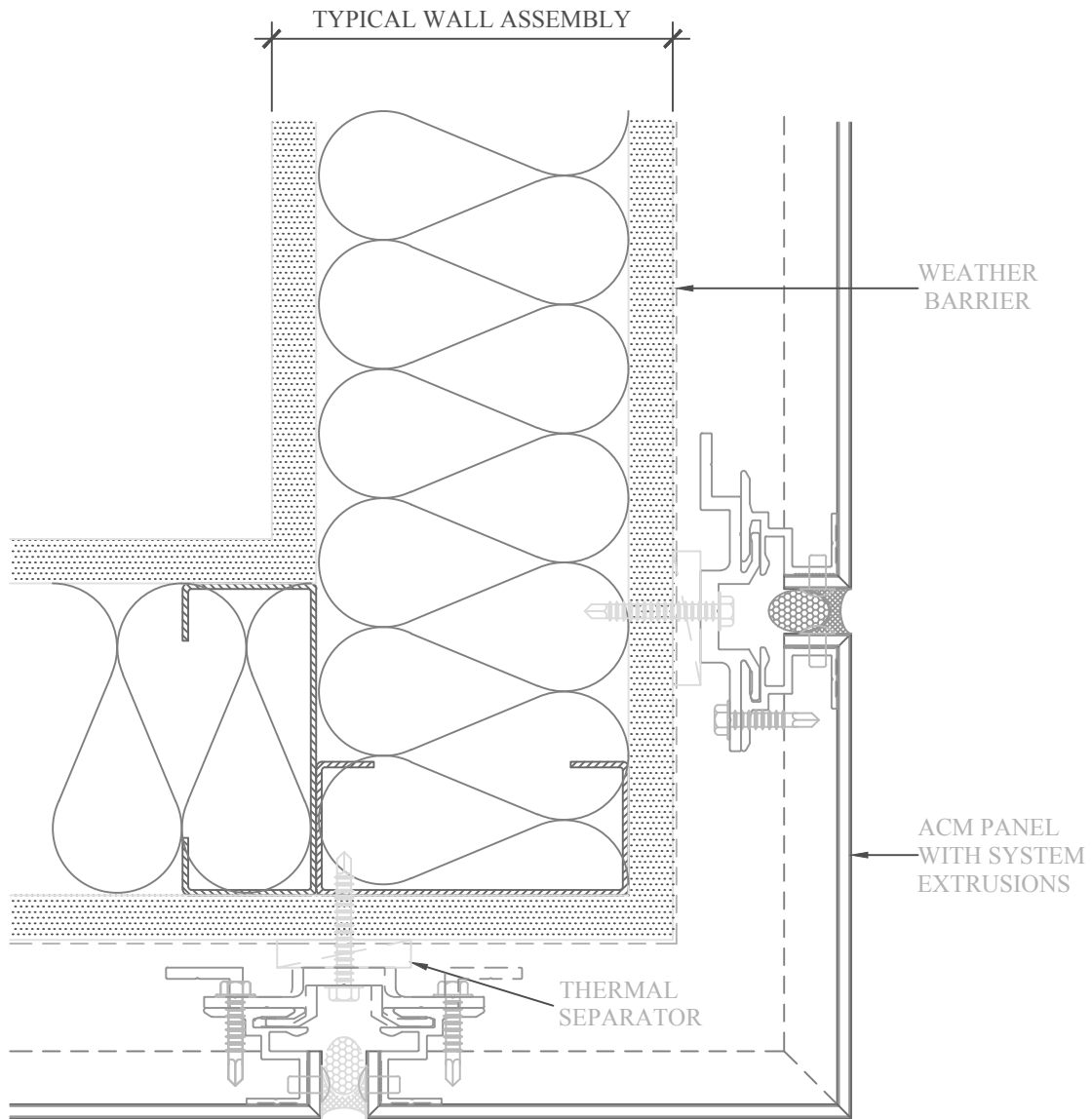
MANUFACTURING

Manufacturing Location

- › Alucobond PE is currently manufactured in Benton, Kentucky USA

To download PDF or AutoCAD details and specifications, visit our website at www.alucobondusa.com.

Information contained herein, or related to, is intended for use at one's own discretion. Such information is believed to be reliable, but 3A Composites shall have no responsibility or liability for results obtained or damages resulting from such use. 3A Composites USA, Inc. does not make any warranties, expressed or implied.



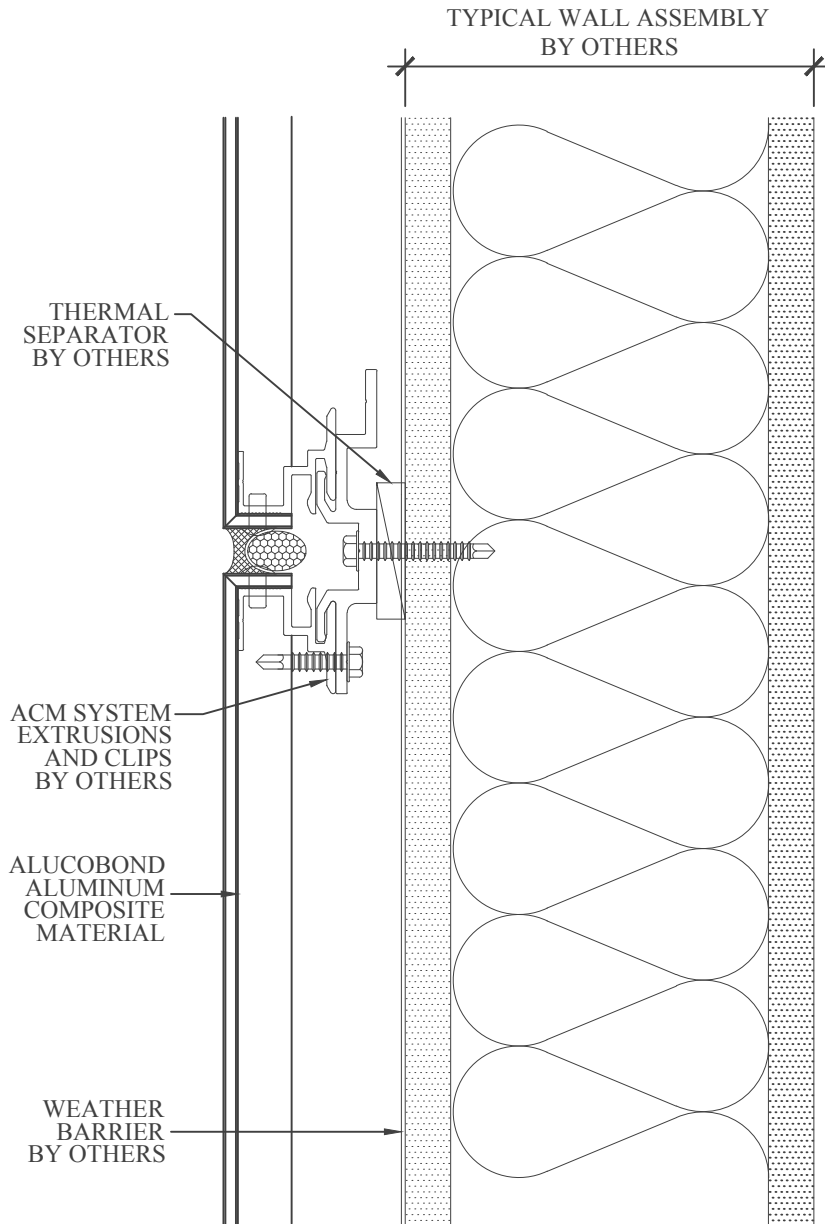
☐ OUTSIDE CORNER DETAIL

NOT TO SCALE

THE NAME SAYS IT ALL
ALUCOBOND®



DISCLAIMER NOTE: THIS ALUCOBOND DETAIL IS PROVIDED FOR CONCEPTUAL PURPOSES ONLY. THE ACTUAL DESIGN, PANEL SYSTEM, FABRICATION, AND INSTALLATION ARE PROVIDED BY A NETWORK OF QUALIFIED FABRICATORS AND INSTALLERS. 3A COMPOSITES USA, INC. DOES NOT MAKE ANY WARRANTIES, EXPRESS OR IMPLIED INCLUDING MERCHANTABILITY AND FITNESS FOR PURPOSE.



② HORIZONTAL JOINT DETAIL

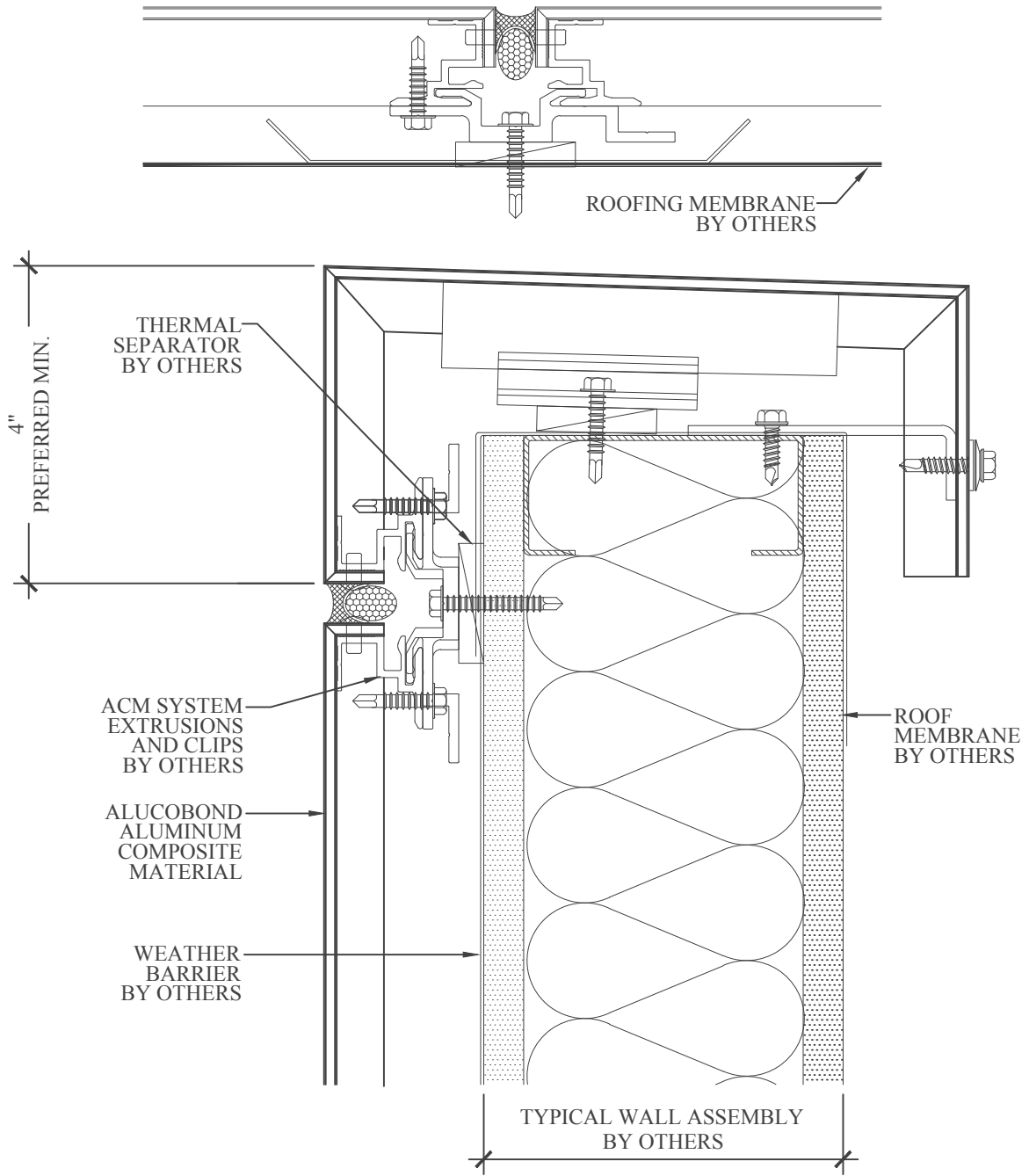
NOT TO SCALE

ROUT AND
RETURN
WET-SEAL

THE NAME SAYS IT ALL
ALUCOBOND[®]



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1 PARAPET CONDITION DETAIL

NOT TO SCALE

ROUT AND
RETURN
WET-SEAL

THE NAME SAYS IT ALL
ALUCOBOND[®]



VistaLuxe® Collection

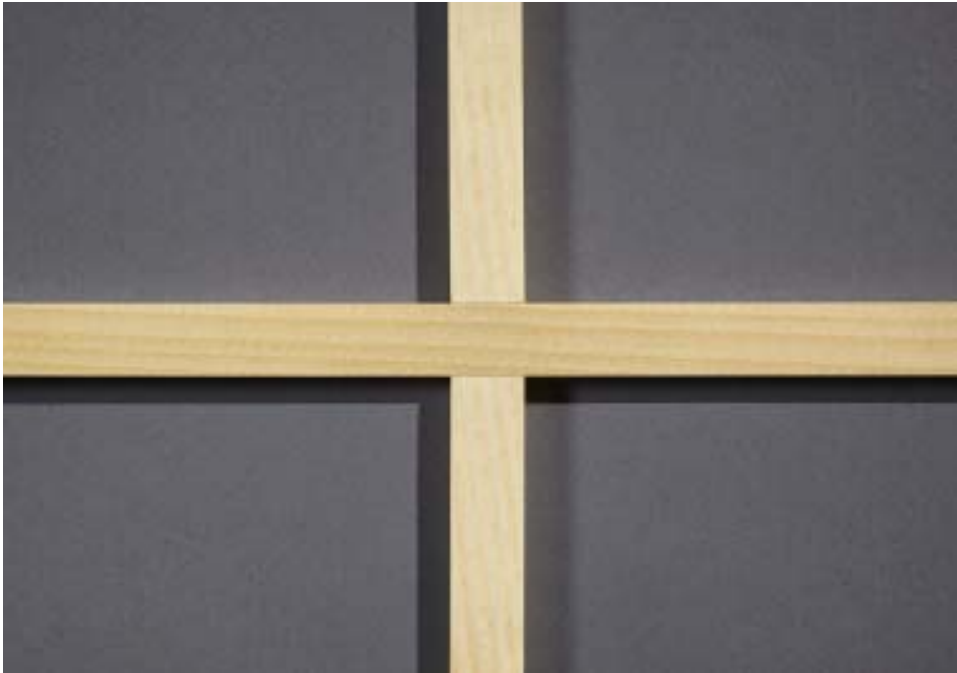
The VistaLuxe Collection was collaboratively developed with architects for designs that utilize clean lines and multiple units to create large expanses of glass. The extruded aluminum exterior provides low-maintenance durability, while the wood interior proves that minimalist design can feel warm and organic.

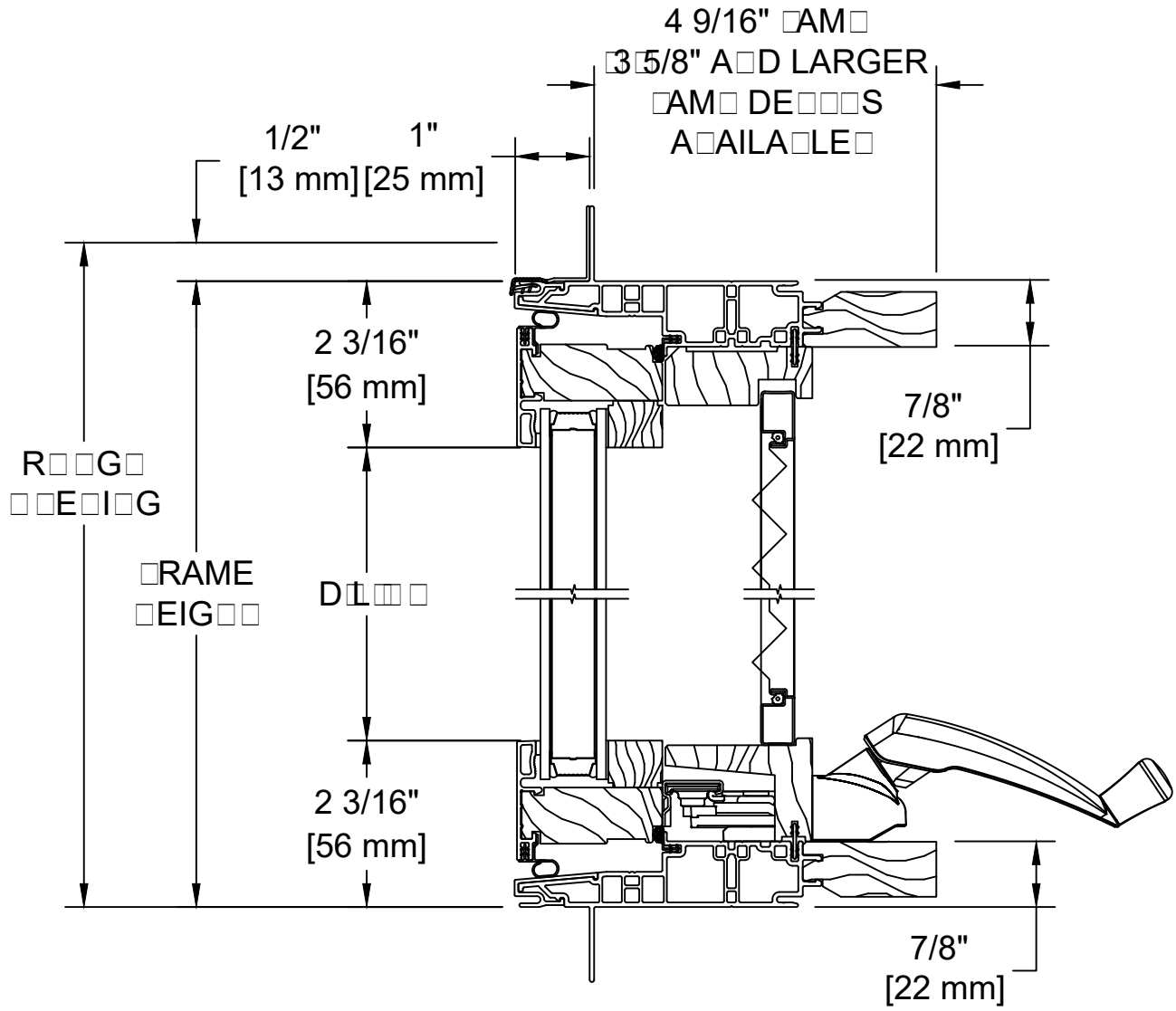


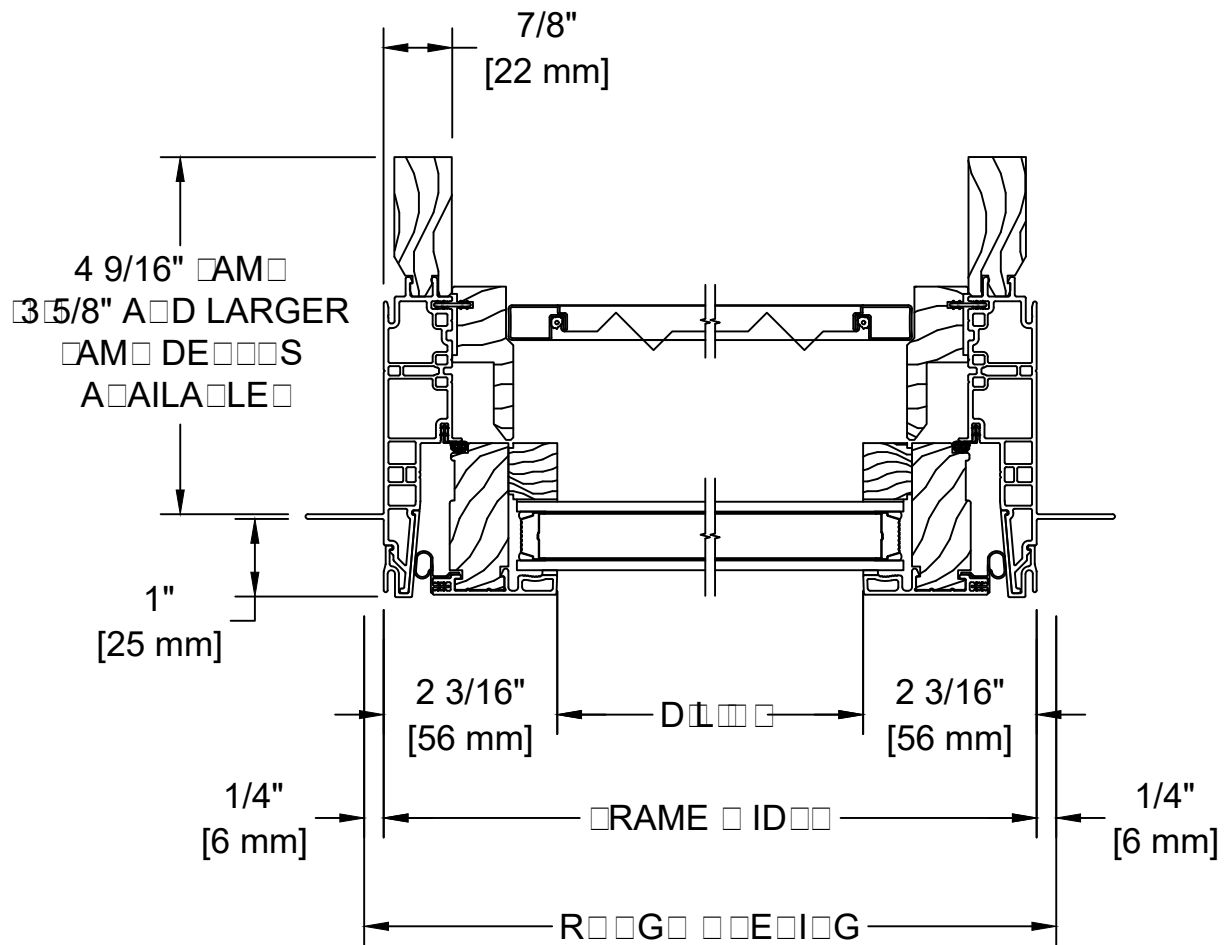
Kolbe - VistaLuxe

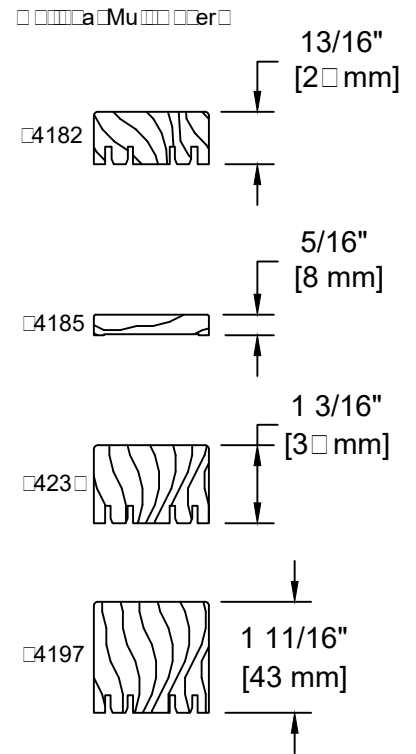
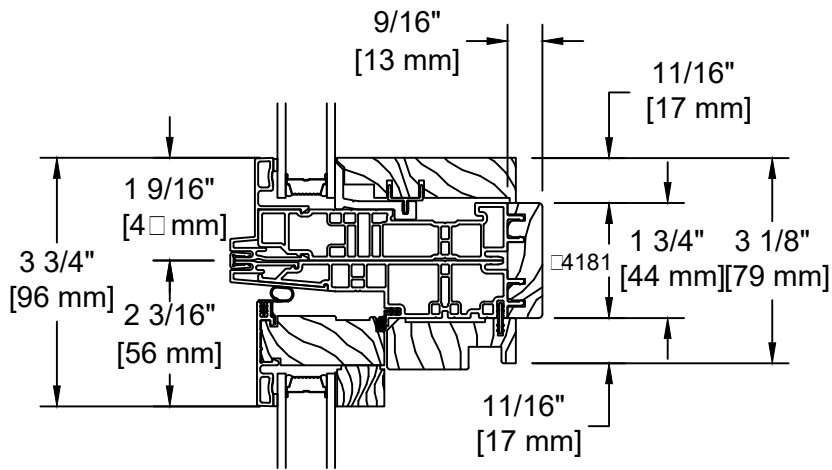


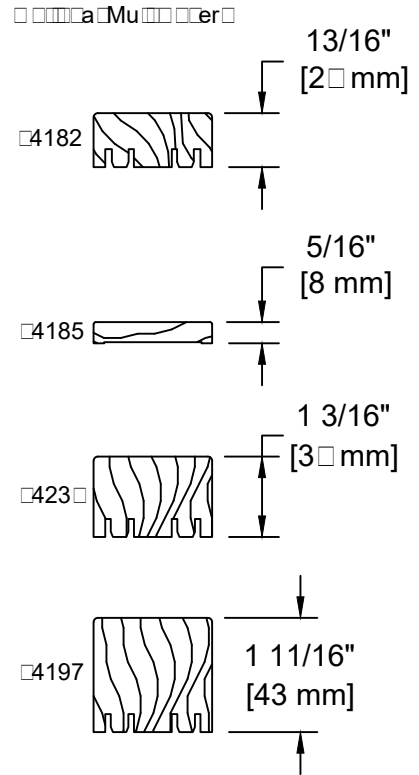
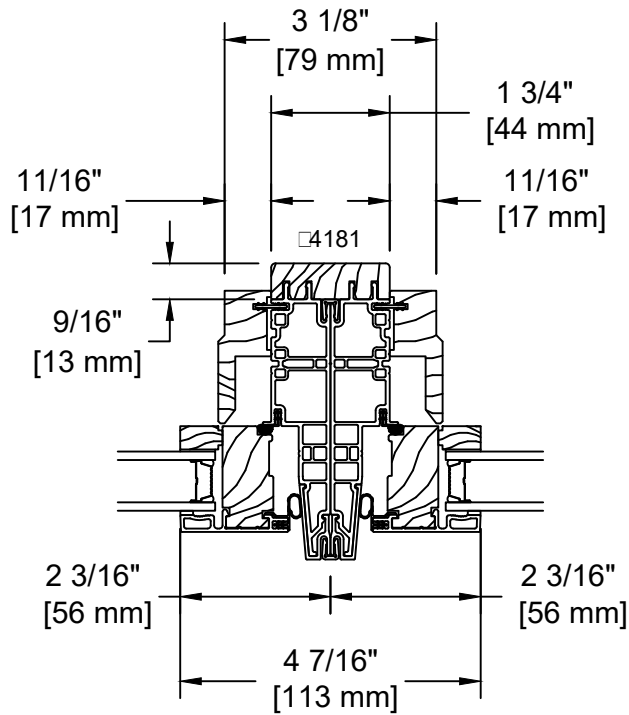
Kolbe - VistaLuxe



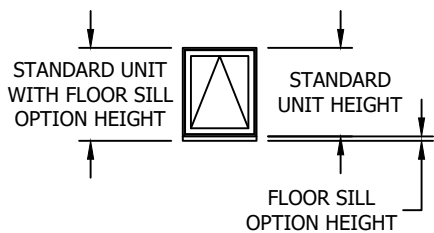






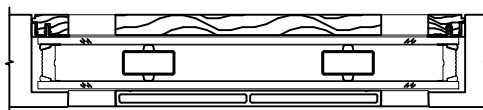
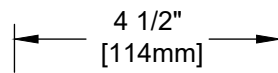
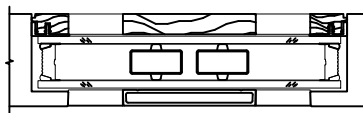
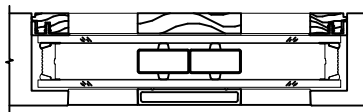
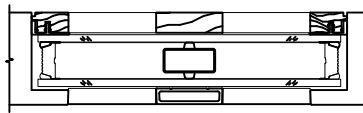
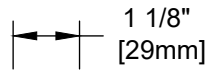
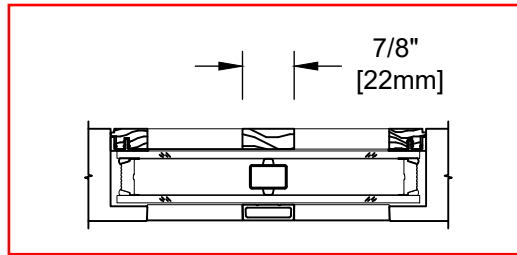
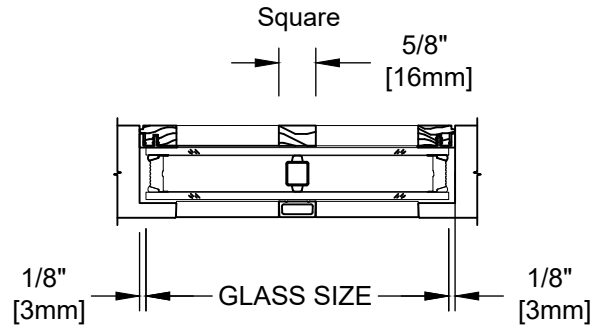


F.S.	1'-8"	2'-0"	2'-4"	2'-6"	2'-8"	3'-0"	3'-6"
R.O.	1'-8 1/2"	2'-0 1/2"	2'-4 1/2"	2'-6 1/2"	2'-8 1/2"	3'-0 1/2"	3'-6 1/2"
S.O.	1'-7 1/16"	1'-11 1/16"	2'-3 1/16"	2'-5 1/16"	2'-7 1/16"	2'-11 1/16"	3'-5 1/16"
G.S.	16 9/16"	20 9/16"	24 9/16"	26 9/16"	28 9/16"	32 9/16"	38 9/16"
1'-4" 1'-4 1/2" 1'-3 1/16" 12 9/16"							
1'-8" 1'-8 1/2" 1'-7 1/16" 16 9/16"							
2'-0" 2'-0 1/2" 1'-11 1/16" 20 9/16"							
2'-6" 2'-6 1/2" 2'-5 1/16" 26 9/16"							
3'-0" 3'-0 1/2" 2'-11 1/16" 32 9/16"							
3'-6" 3'-6 1/2" 3'-5 1/16" 38 9/16"							
4'-0" 4'-0 1/2" 3'-11 1/16" 44 9/16"							
4'-6" 4'-6 1/2" 4'-5 1/16" 50 9/16"							
5'-0" 5'-0 1/2" 4'-11 1/16" 56 9/16"							



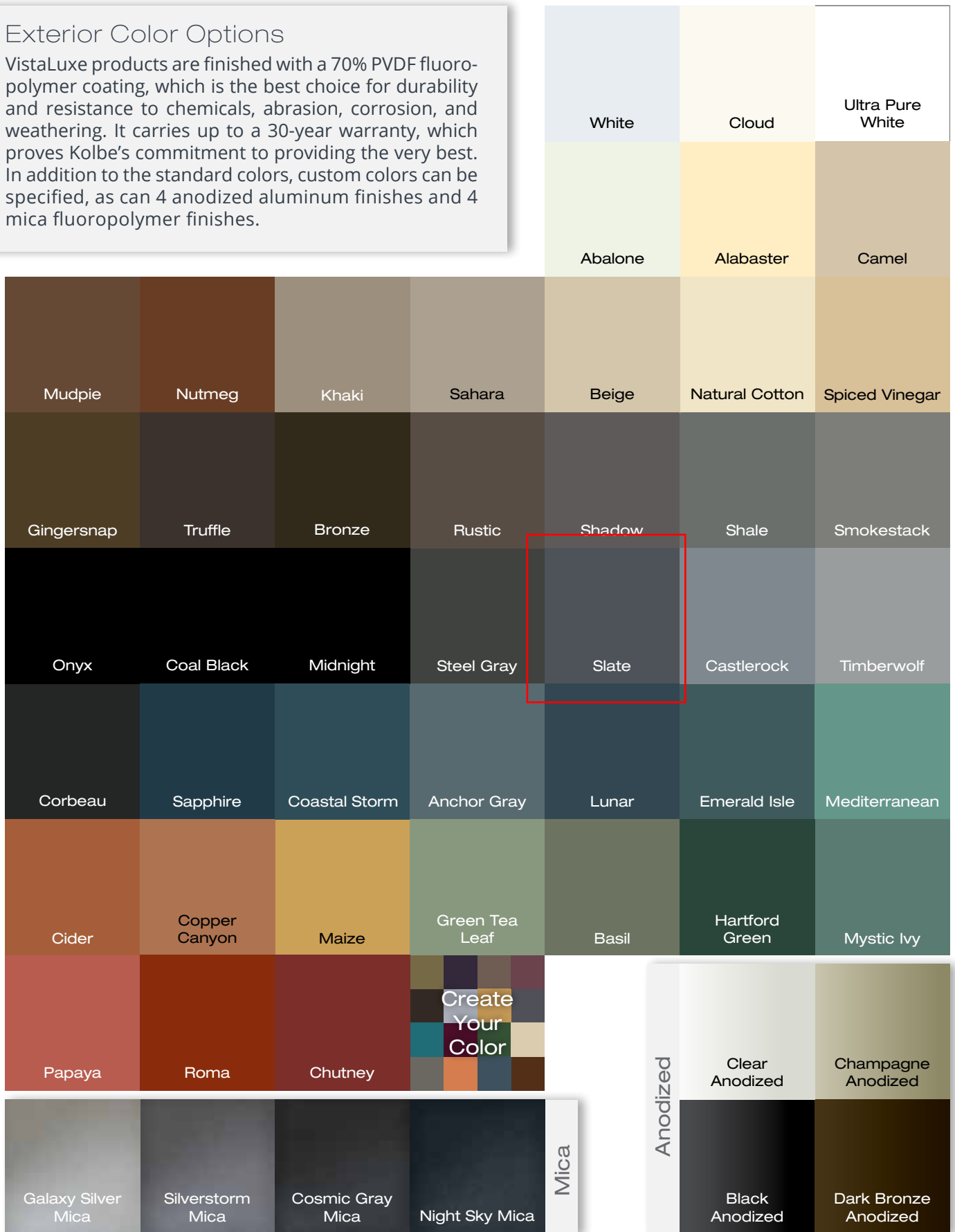
WHEN FLOOR SILL OPTION IS SELECTED, OVERALL FRAME HEIGHT AND ROUGH OPENING WILL INCREASE BY;

- OUTSWING DOOR SILL - 1 3/16"
- INSWING DOOR SILL - 4 9/16" JAMB (1 5/32")
- INSWING DOOR SILL - 5 9/16" JAMB (1 1/16")
- INSWING DOOR SILL - 6 9/16" JAMB (3 1/32")



Exterior Color Options

VistaLuxe products are finished with a 70% PVDF fluoropolymer coating, which is the best choice for durability and resistance to chemicals, abrasion, corrosion, and weathering. It carries up to a 30-year warranty, which proves Kolbe's commitment to providing the very best. In addition to the standard colors, custom colors can be specified, as can 4 anodized aluminum finishes and 4 mica fluoropolymer finishes.



Printed images of exterior finishes may vary slightly from actual colors. Selections should be made based on actual color samples available from your Kolbe dealer. There is a "color range" with anodized colors. That is, there is an acceptable "light" to "dark" color range that can be experienced on any job. According to AAMA 611-98 specifications, Section 8.3, the range may be up to 5 Delta E's. We can provide from our anodized vendor color samples of this color range if requested. The color range is due to numerous variables which include (but are not limited to) the shape of the parts, alloy variations and time in the anodizing process. This could mean that a sash part may appear slightly different in color than a frame part. This is/will be acceptable. Even the samples that may be provided may vary from the final product due to the variables. You must be aware of this as this will be considered acceptable.



PELLA[®]

Architect Series[®]

TRADITIONAL AND CONTEMPORARY
WOOD WINDOWS AND PATIO DOORS



CONTEMPORARY

Ultimate views.



CONTEMPORARY

Seals tight and locks easily.

Architect Series® casement windows feature the SureLock® System that reaches out to pull the window sash against the weatherstripping to form a tight seal against drafts, making them more energy-efficient. Plus, Pella's patented Unison Lock System secures casement and awning windows in two places with a single, easy-to-reach handle.

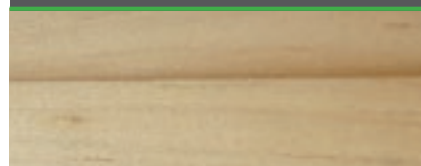


Lasting beauty.

EnduraGuard® wood protection offers advanced protection against the effects of moisture, decay, stains from mold and mildew – as well as termite damage. This proven immersion-treatment method will help ensure that Pella® wood windows and patio doors look and perform beautifully for years.



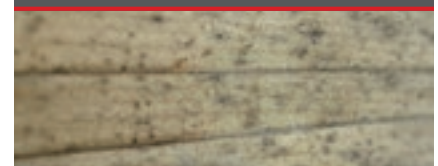
Pella EnduraGuard wood protection.



Pella's casement window after 7 months of exposure to moisture.*



Competitor's pressure-treated wood.



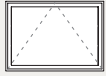
Stain mold present after 7 months of field-testing a competitor's pressure-treated wood.*



The confidence of added protection.

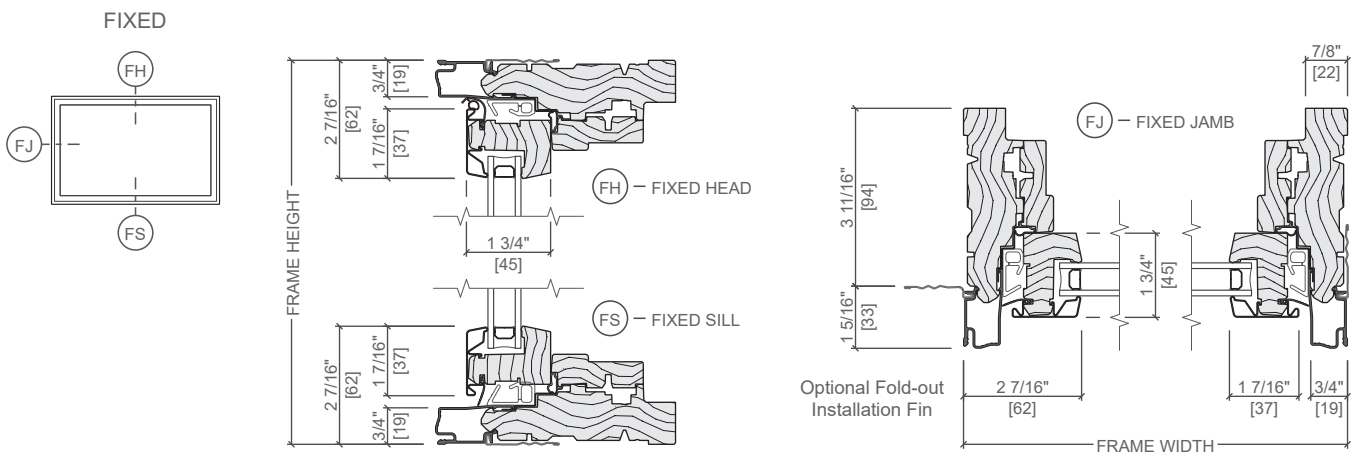
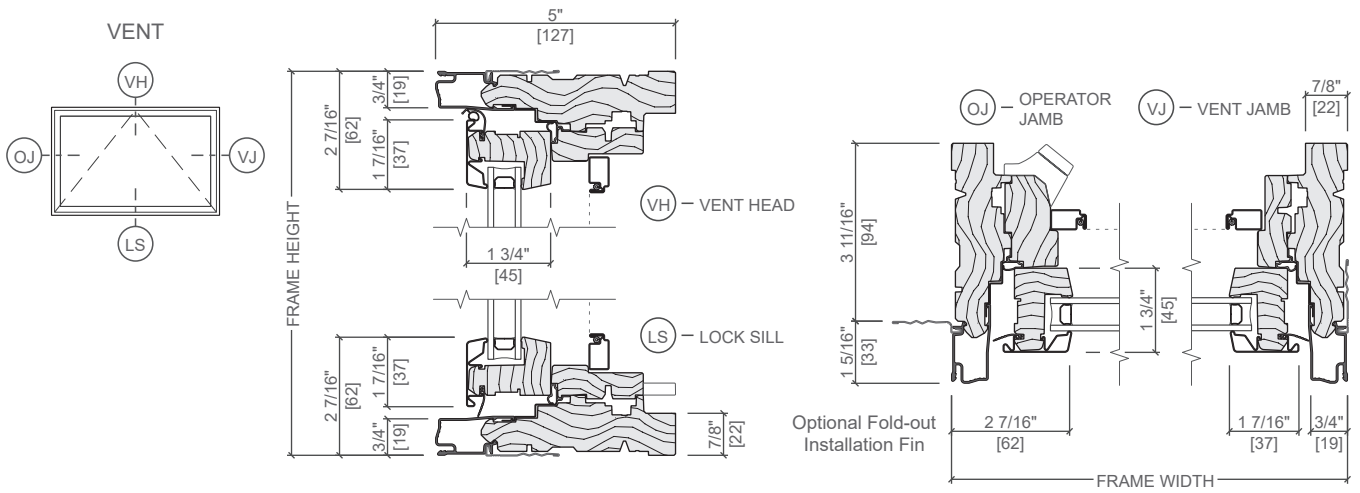
Pella products are backed by some of the strongest warranties in the business. See written limited warranty for details, including exceptions and limitations, at pella.com/warranty.

*For testing purposes, the seal between the bottom rail and the glass was compromised in both casement units tested.

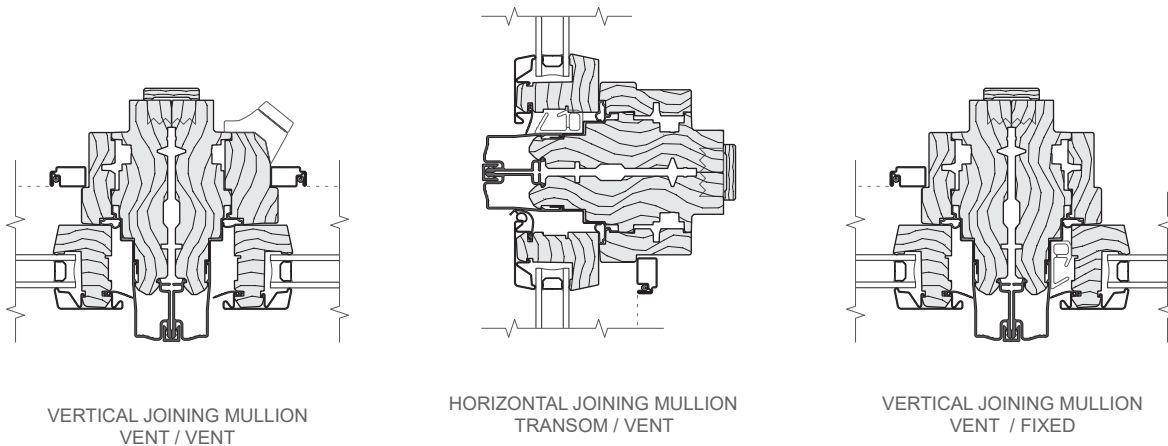


AWNING

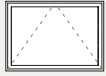
UNIT SECTIONS
Aluminum-Clad Exterior



TYPICAL JOINING MULLIONS



Scale 3" = 1' 0"
All dimensions are approximate.
See www.PellaADM.com for mullion limitations and reinforcing requirements.



AWNING

GRILLE TYPES

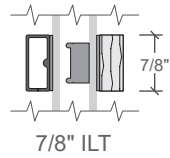
Typical Grille Profiles



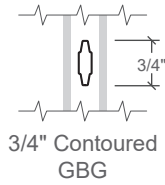
GRILLE PROFILES

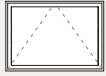
Contemporary Style Collection Integral Light Technology®

Square Grille
Clad Exterior - Wood Interior



Contoured Aluminum -
Grilles-Between-the-Glass





AWNING

SIZE TABLES

Aluminum-Clad Exteriors

Standard Awning



Vent Units

	(451) (432)	(552) (533)	(603) (584)	(654) (635)	(756) (737)
Opening	1' 5 3/4"	1' 9 3/4"	1' 11 3/4"	2' 1 3/4"	2' 5 3/4"
Frame	1' 5"	1' 9"	1' 11"	2' 1"	2' 5"
1' 5"					
(451) (432)					
(552) (533)					
(603) (584)					
(654) (635)					
(756) (737)					

Vent and Fixed Units

	(832) (813)	(908) (889)	(1 060) (1 041)	(1 213) (1 194)	(1 365) (1 346)	(1 518) (1 499)
Opening	2' 8 3/4"	2' 11 3/4"	3' 5 3/4"	3' 11 3/4"	4' 5 3/4"	4' 11 3/4"
Frame	2' 8"	2' 11"	3' 5"	3' 11"	4' 5"	4' 11"
1' 5"						
(451) (432)						
(552) (533)						
(603) (584)						
(654) (635)						
(756) (737)						

Special Size Frame Dimensions*

	MINIMUM	MAXIMUM
VENT	1'5" W x 1'5" H (432 x 432)	4'5" W x 2'5" H (1 346 x 737)
FIXED	1'5" W x 1'5" H (432 x 432)	4'11" W x 2'5" H (1 499 x 737)

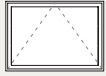
* Available within size range shown.
Keep frame dimensions to the nearest 1/8" increment. Frame height cannot exceed frame width on special size vent units.

Not to scale.

Ⓡ Fixed Units only

Traditional grille patterns shown. Refer to Clad/Wood Overview Section for additional patterns and profiles.

Contact your local Pella representative for the availability of custom sizes smaller or larger than the parameters shown.



AWNING

PRODUCT SELECTION GUIDE

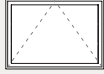
Features and Options



STANDARD	OPTIONS / UPGRADES
GLAZING	
Glazing Type	
Dual-Pane Insulating Glass	–
Insulated Glass Options/Low-E Types	
Advanced Low-E	SunDefense™ Low-E
	AdvancedComfort Low-E
	NaturalSun Low-E
	Clear (no Low-E coating)
Additional Glass Options	
Annealed Glass	Tempered Glass
	Obscure Glass ₁
	Tinted Glass (Bronze, Gray and Green)
	Non-Impact Laminated Dual-Pane Insulating Glass
Gas Fill/High Altitude	
Argon	High Altitude
	High Altitude with Argon
EXTERIOR	
EnduraClad® protective finish	EnduraClad Plus protective finish
Cladding Colors	
27 Standard colors	Custom Colors ₁
INTERIOR	
Unfinished wood	Factory primed
	Factory prefinished paint ₁
	Factory prefinished stain ₁
HARDWARE	
Fold-Away Crank Handle	
Saldo	–
Hardware Finish	
Champagne, White, Brown or Matte Black	Bright Brass, Satin Nickel, Oil-Rubbed Bronze, Polished Chrome or Polished Nickel
Sash Locks	
SureLock® System, Unison Lock System ₂	–
GRILLES	
Integral Light Technology® Grilles	
–	Traditional, Prairie, Top Row, Cross or Custom-Equally Divided
Grilles-Between-the-Glass	
–	Traditional, Prairie, Top Row ₁ , Cross or Custom-Equally Divided
SCREENS	
–	InView™ screens, Vivid View® screens

(1) Contact your local Pella sales representative for current designs and color options.

(2) Unit width determines availability.



AWNING

DETAILED PRODUCT DESCRIPTIONS

Aluminum-Clad Awning



FRAME

- Select softwood, immersion treated with Pella's EnduraGuard® wood protection formula in accordance with WDMA I.S.-4. The EnduraGuard formula includes three active ingredients for protection against the effects of moisture, decay and stains from mold and mildew. Plus, an additional ingredient adds protection against termite damage. Interior exposed surfaces are [clear pine] [mahogany] [douglas fir].
- Exterior surfaces are clad with aluminum.
- Components are assembled with screws, staples and concealed corner locks.
- Overall frame depth is 5" (127mm) for a wall depth of 3-11/16" (94mm).
- Optional factory-applied jamb extensions available between 3-13/16" (97mm) and 9-3/16" (233mm).
- Optional factory-installed fold-out installation fins with flexible fin corners.
- Optional factory-applied EnduraClad® exterior trim.

SASH

- Select softwood, immersion treated with Pella's EnduraGuard wood protection formula in accordance with WDMA I.S.-4. The EnduraGuard formula includes three active ingredients for protection against the effects of moisture, decay and stains from mold and mildew. Plus, an additional ingredient adds protection against termite damage.
- Interior exposed surfaces are: [clear pine] [mahogany] [douglas fir].
- Exterior surfaces are clad with lap-jointed aluminum.
- Corners mortised and tenoned, glued and secured with metal fasteners.
- Sash thickness is 1-3/4" (45mm).

WEATHERSTRIPPING

- Dual weatherstripping.
 - Continuous, flexible santoprene material in dual durometer design with welded corners, compressed between frame and sash for positive seal on all four sides.
 - Secondary thermoplastic vulcanizate (TPV) leaf-type weatherstrip between edge of sash and frame.

GLAZING SYSTEM¹

- Quality float glass complying with ASTM C 1036.
- High altitude glazing [with argon] available.
- Silicone-glazed 11/16" dual-seal insulating glass [[annealed] [tempered]] [[clear] [[Advanced Low-E] [SunDefense™ Low-E] [NaturalSun Low-E] [AdvancedComfort Low-E] with argon]] [[bronze] [gray] [green] Advanced Low-E with argon]].

EXTERIOR

- Aluminum clad exteriors shall be finished with EnduraClad® protective finish, in a multi-step, baked-on finish.
 - Color is [Standard] [custom]₂.
- or –
- Aluminum clad exteriors shall be finished with EnduraClad Plus protective finish with 70% fluoropolymer resin in a multi-step, baked-on finish.
 - Color is [Standard] [custom]₂.

INTERIOR

- [Unfinished, ready for site finishing] [factory primed with one coat acrylic latex] [factory prefinished [White] [Linen White] [Bright White] [stain₂]].

HARDWARE

- Roto operator assembly
 - Steel worm gear sash operator with hardened gears.
 - Operator base is zinc die cast with painted finish.
 - Operator linkage is stainless steel.
 - Exposed fasteners are stainless steel.
 - Hardware will exceed 1,000 hours salt spray exposure per ASTM B 117.
 - Hinge slide and hinge arms Stainless steel.
- Hardware Style is Saldo. Hardware Finish is [baked enamel [champagne] [white] [brown] [matte black]] [bright brass] [satin nickel] [oil-rubbed bronze] [polished chrome] [polished nickel].
- All vent units are available with operator located on left or right side as viewed from the exterior.
- SureLock® System—A single handle locking system operates positive-acting arms that reach out and pull the sash into a locked position: One operating lock installed on units with frame widths 29" and less, two unison operating locks installed on units with frame widths over 29".

OPTIONAL PRODUCTS

Grilles

- Integral Light Technology® grilles
 - Interior grilles are 7/8" square profile that are solid [pine] [mahogany] [douglas fir]. Interior surfaces are [unfinished, ready for site finishing] [factory primed] [pine: factory prefinished [White] [Linen White] [Bright White] [stain₂]].
 - Exterior grilles are 7/8" square profile that are extruded aluminum.
 - Patterns are [Traditional] [Prairie] [Top Row] [Cross] [Custom - Equally Divided].
 - Insulating glass contains non-glare spacer between the panes of glass.
 - Grilles are adhered to both sides of the insulating glass with VHB acrylic adhesive tape and aligned with non-glare spacer.
- or –
- Grilles-Between-the-Glass₂
 - Insulating glass contains 3/4" contoured aluminum grilles permanently installed between two panes of glass (exterior air-space on triple-pane insulating glass).
 - Patterns are [Traditional] [Prairie] [Cross] [Top Row] [Custom - Equally Divided].
 - Interior color is [White] [Black] [Tan₄] [Brown₄] [Putty₄] [Ivory] [Brickstone] [Harvest] [Cordovan].
 - Exterior color₅ is [Standard₂].

Screens

- InView™ Screens
 - Vinyl-coated 18/18 mesh fiberglass screen cloth complying with the performance requirements of SMA 1201, set in aluminum frame fitted to inside of window, supplied complete with all necessary hardware.
 - Screen frame finish is baked enamel [Champagne] [White] [Brown] [Black].
- or –
- Vivid View®
 - PVDF 21/17 mesh, minimum 78 percent light transmissive screen, set in aluminum frame fitted to inside of window, supplied complete with all necessary hardware.
 - Screen frame finish is baked enamel, [Champagne] [White] [Brown]. [Black].

Hardware

- Optional factory applied limited opening hardware available for vent units in stainless steel; nominal 3" opening.

(1) Low-E coated insulating glass is argon-filled (except high altitude). All other insulating glass (including high altitude Low-E) is air-filled.

(2) Contact your local Pella sales representative for current designs and color options.

(3) Available in clear or Low-E insulating glass with argon and obscure insulated glass.

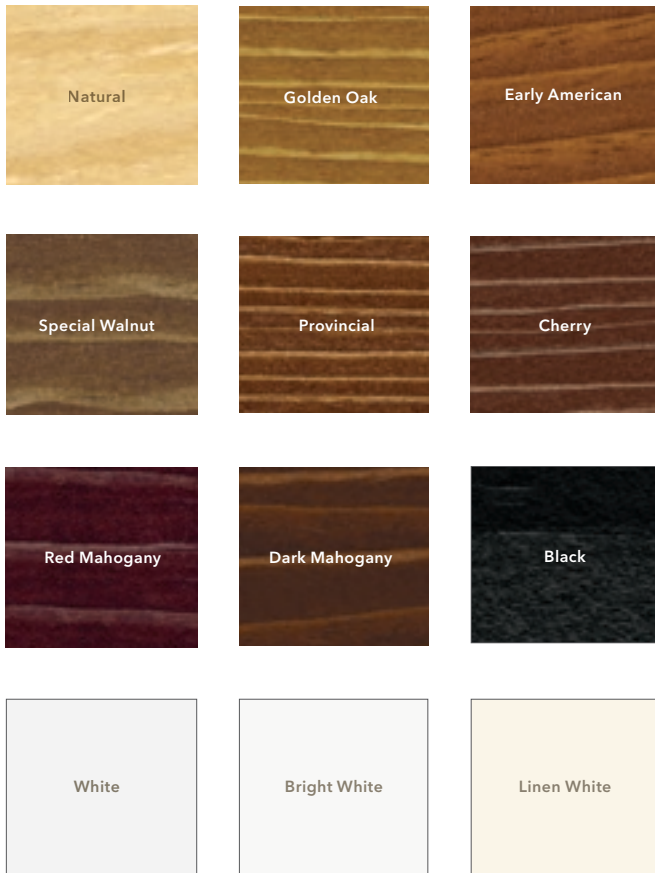
(4) Tan, Brown or Putty Interior GBG colors are available in single-tone (Brown/Brown, Tan/Tan or Putty/Putty). Other interior colors are also available with tan or brown exterior.

(5) Appearance of exterior grille color will vary depending on Low-E coating on glass.

Impeccably coordinated.

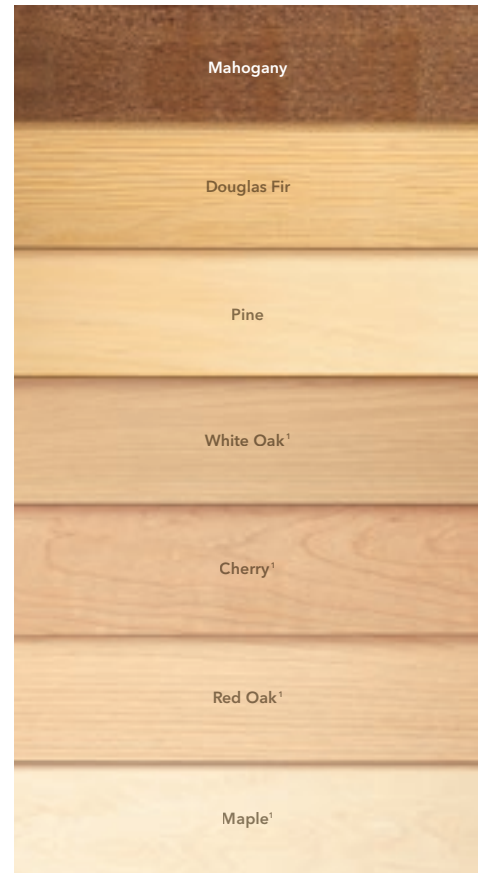
PREFINISHED PINE INTERIORS

Pella's factory finish on the wood interiors of your windows and patio doors gives you instant wow. Choose a stunning stained finish to match the color of other wood in your home or a painted White finish for a fresh, bright look. Also available primed and ready-to-paint.



WOOD TYPES

Your Architect Series® windows or patio doors can be made from your choice of today's most desirable woods – so they'll tastefully complement your home's other interior finishes.



ALUMINUM-CLAD EXTERIORS

Pella's low-maintenance EnduraClad® exterior finish resists fading, so your windows and patio doors stay looking great for years. Take this beauty and durability one step further with Pella EnduraClad Plus² protective finish that provides exceptional weatherability. Plus, Pella offers virtually unlimited custom color options for a unique look.





Series 403X

2" x 4 1/2" Thermal Storefront Framing



CONFIGURATIONS

Shear Block • Screw Spline

This innovative flush glaze storefront framing system utilizes a dual pour and debridge thermal barrier that provides outstanding energy efficiency. Available in either shearblock or screw spline construction, the 403X Series can be used in conjunction with virtually all EFCO entrance systems and V410 vents. A variety of options are available for use with this system, including sunshade mullions and variable sight line horizontals. Steel reinforcement is also available to enhance structural capability.

Features

Benefits

Dual pocket thermal barrier framing	Enhanced thermal performance and reduced energy cost
Screw spline or shearblock construction	Decreases installation labor and cost Ability to erect on the job site
The optional Roto-Vent™ ventilator	Allows fresh air into the room, yet maintains security
2-way (90° and 135°) and 3-way corner mullions	Multifaceted elevations for design flexibility
0°-15° and 15°-30° variable mullions	Increased design flexibility
Accommodates up to 1 1/16" glazing	Expands design and energy savings options
Uniform glazing gasket is used for exterior and interior	Allows optimized use of gasket and reduces inventory Simplifies ordering and installation
Various height intermediate horizontals and sills	Ability to maintain desired sight line
Accessory line of perimeter anchors, pocket fillers, door adaptors, etc.	Increased product versatility
Anodized or painted finishes available	Multiple options to answer economic and aesthetic concerns



Series 403X

2" x 4 1/2" Thermal Storefront Framing

Frame Construction

The frames have a depth of 4 1/2", and the nominal material wall thickness is .080". Members are extruded 6063-T6 aluminum alloy. Corner construction employs screw spline or shear block method. See Illustration 1 & 2.

Door Frames

System 403X offers integral System 402 entrance frames as a part of the entrance framing system. Members are nominally .080" in thickness.

Weather Stripping

All entrance frames are weather-stripped with bulb gasket.

Thermal Barrier

All frames and vents are thermally broken using the latest technology in a two part, high density polyurethane, with core framing members having dual thermal pockets for improved thermal performance.

Glazing

Series 403X can be inside or outside glazed with extruded aluminum, snap-in glazing bead. Glass is "dry glazed" with top load gasket. Glazings of 3/16" to 1 1/16" infill panels are accommodated. See Glazing Chart for exact size.

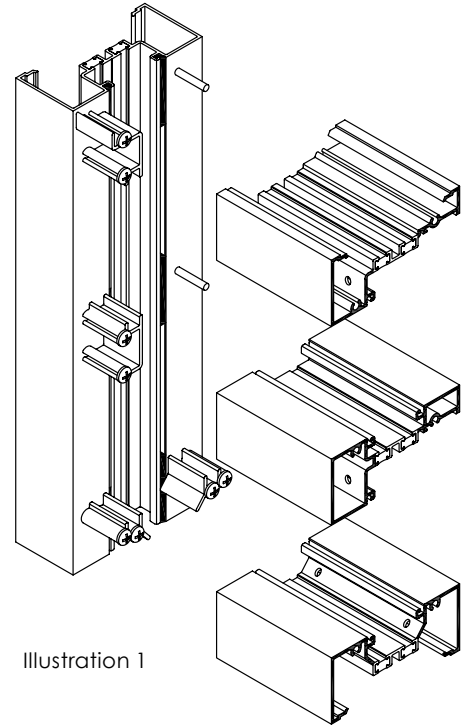


Illustration 1

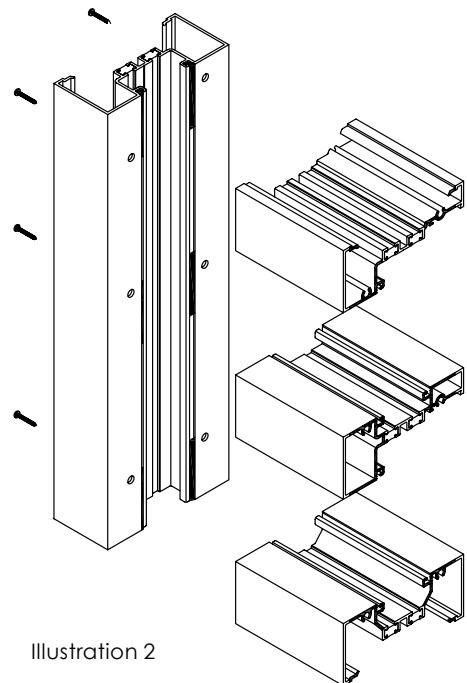
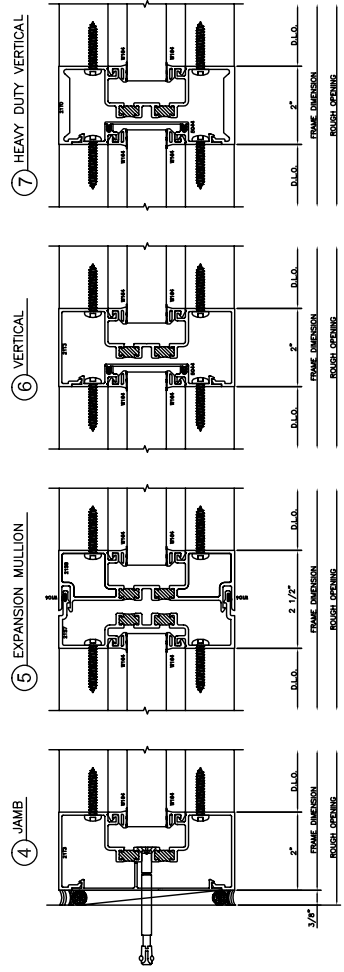
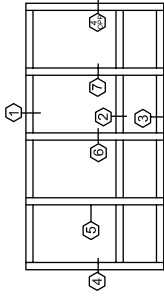
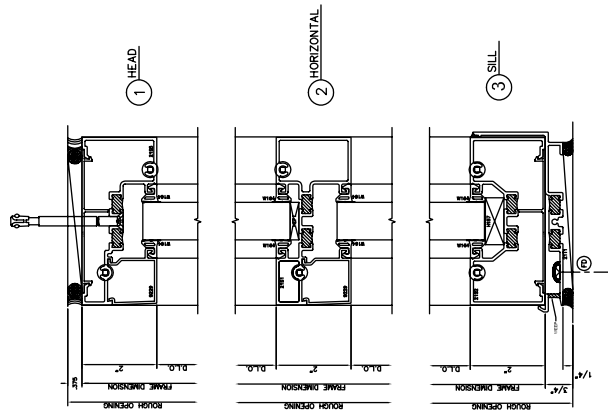
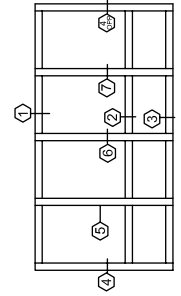
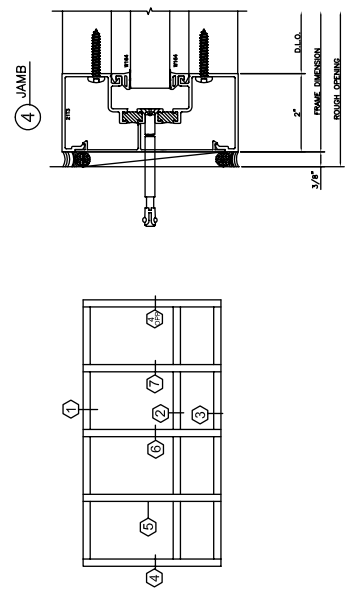
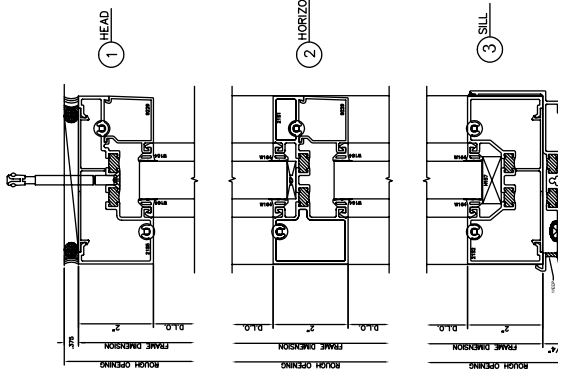


Illustration 2

403X Screw Spline Outside Glazed Stops Down



403X Screw Spline Inside Glazed

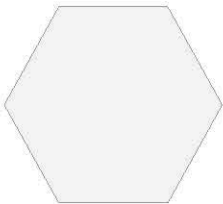




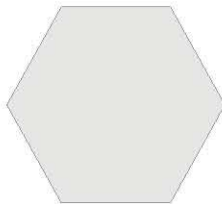
COATINGS FINISHES COLORS

ULTRAPON (70% PVDF)

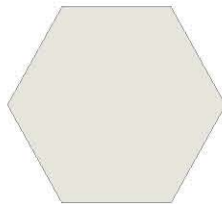
STANDARD



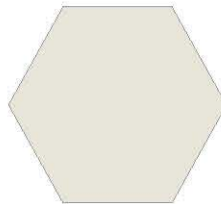
Bone White



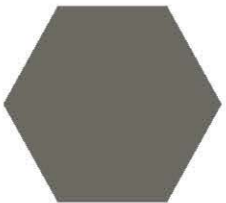
White



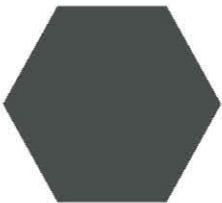
Antique White



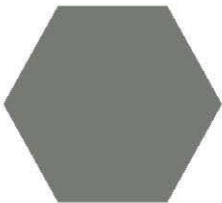
Herring Bone



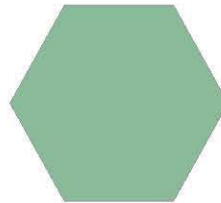
Mesa Brown



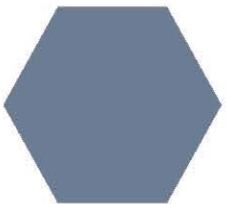
Mineral Brown



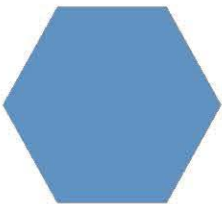
Gray



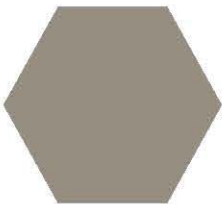
Aged Copper



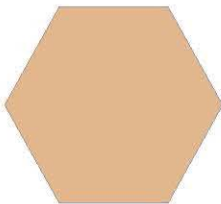
Legacy Blue



Denim Blue

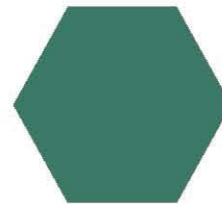


Light Brown

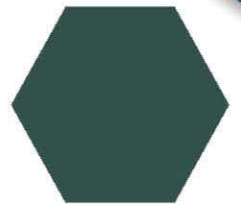


Pueblo Tan

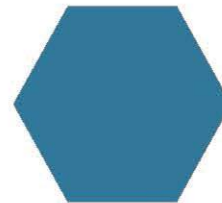
FEATURED



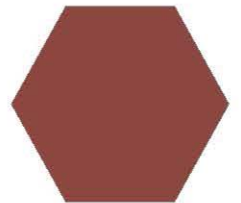
Ivy



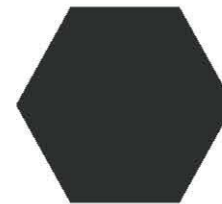
Hartford Green



Blue Sky



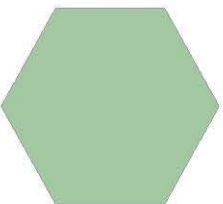
Brick Red



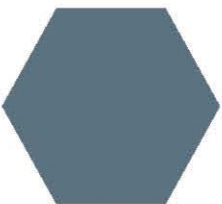
Black

ULTRA-ESCENT II (70% PVDF MICA*)

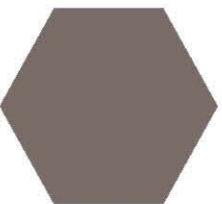
STANDARD



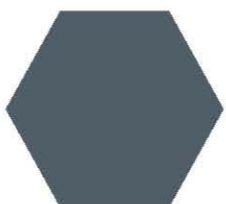
Weathered Copper



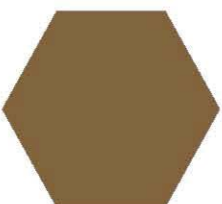
Slate



Raw Sienna

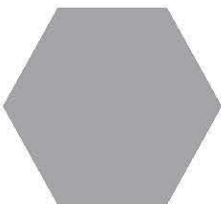


Gun Barrel

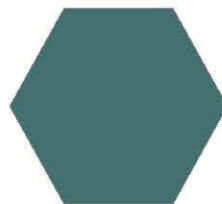


Saddle Bronze

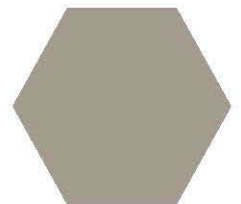
FEATURED



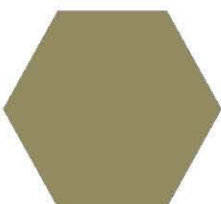
Warm Silver



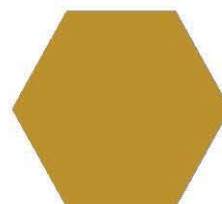
Sea Spray



Asti



Champagne

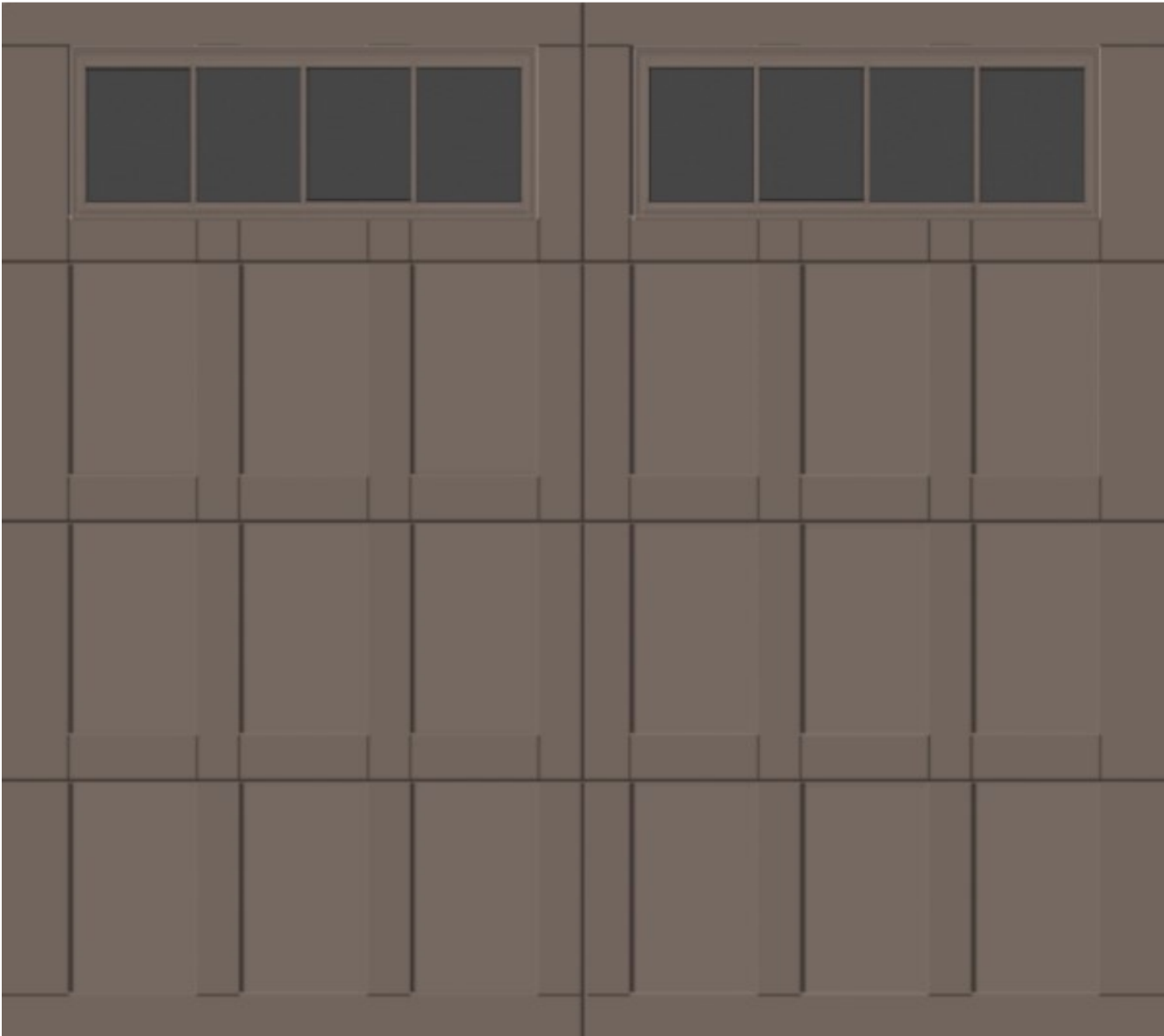


Aztec Gold

¹ The color samples shown are not the actual paint. These paint colors represent the production colors as closely as possible within the limitations of color-chip reproduction.

² Additional charges may apply to exotic colors that require a clear topcoat, metallic colors, custom color matches

* Color variation is inherent in, and should be expected with Mica/Ultra-Escent II paint finishes. Laboratory-prepared samples will appear different from production-run material.



Applied Products:



Glass

Satin

Paint

Terra Bronze

Terra Bronze

Windows

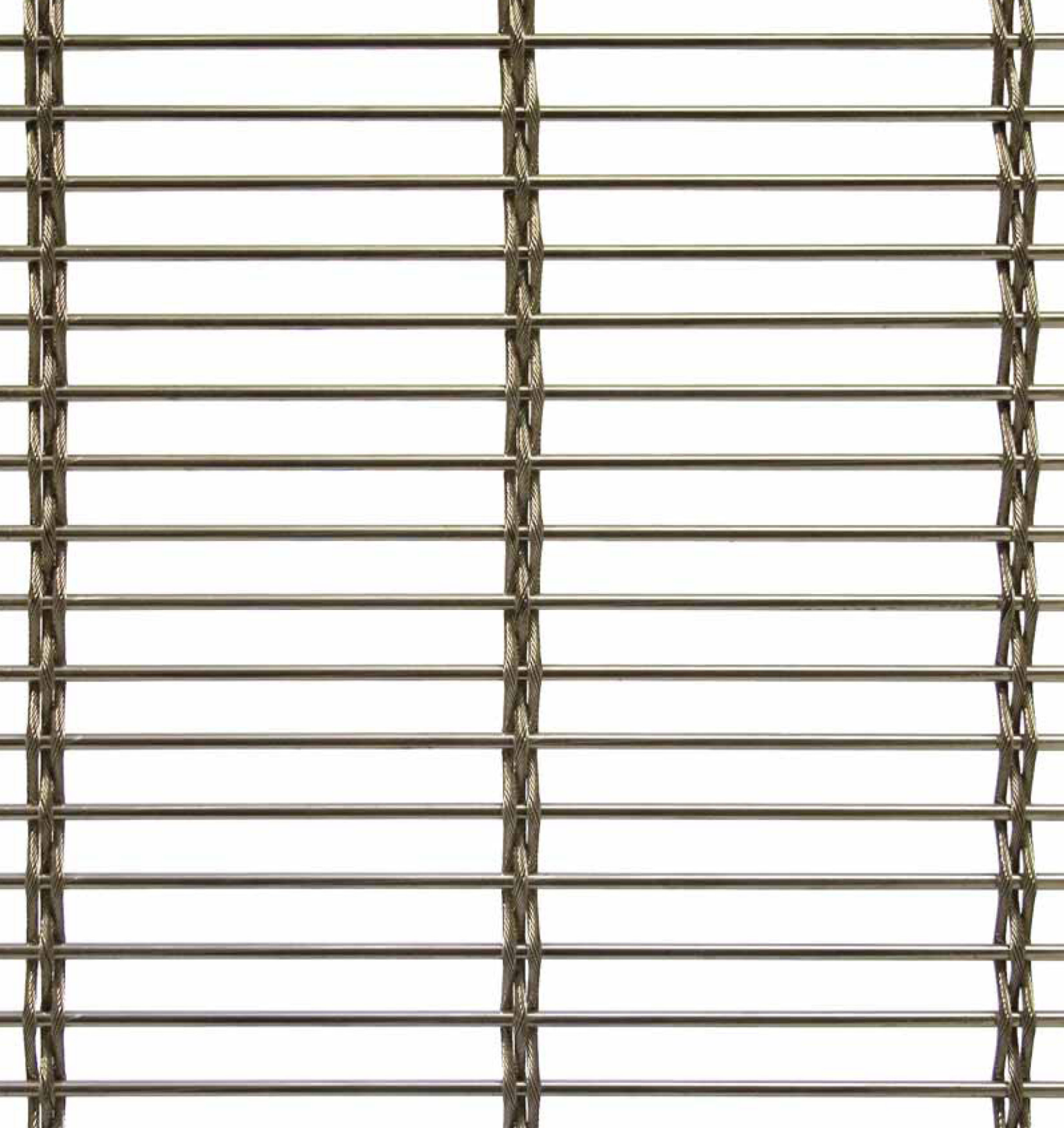
Courtyard Collection

Stockbridge Single 7'

Garage Door

Courtyard Collection

Model 164A 8' x 8'



BRAID

Flexible

Material Stainless Steel

Open Area 65%

Weight 1.8 lb/ft²
 8.79 kg/m²

Maximum Width 240" (6.1 m)

Attachments

Eclipse™

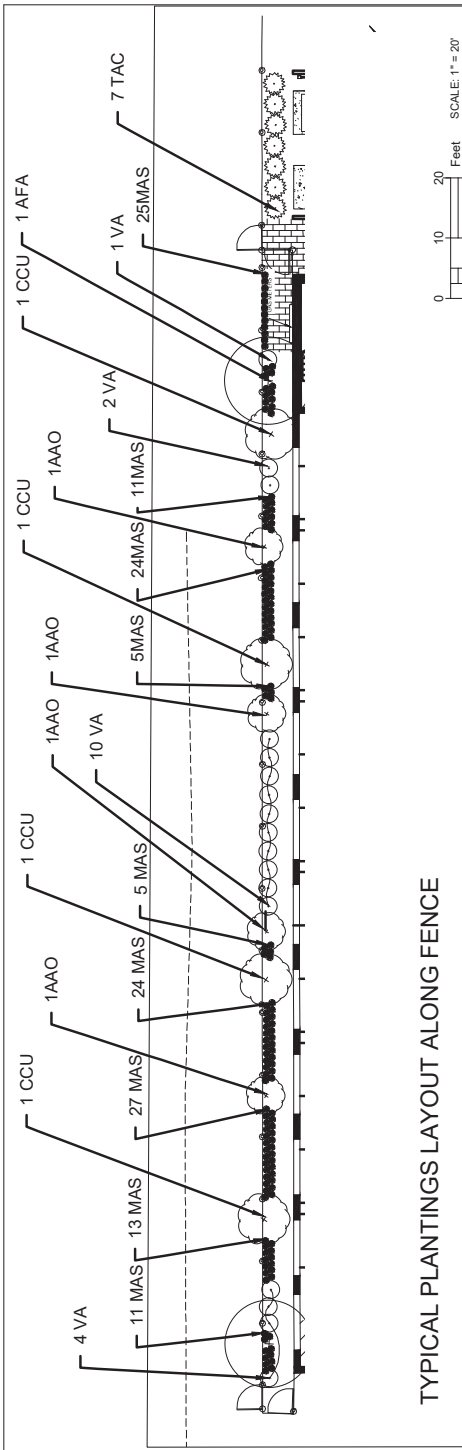
Scroll™

Velocity™

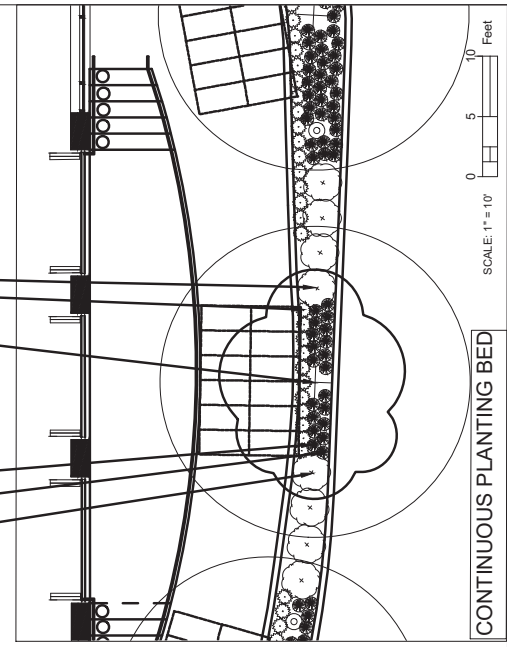
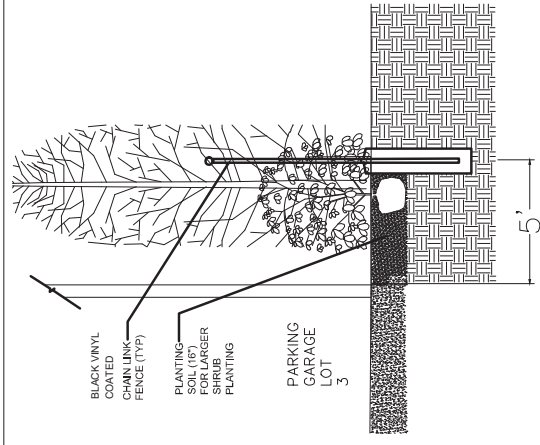
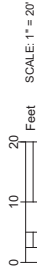


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TOLL FREE 866 806 2385

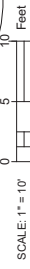
SAMPLE SHOWN AT FULL SCALE.
MEASUREMENTS ARE APPROXIMATE VALUES.
SPECIFICATIONS SUBJECT TO CHANGE.



TYPICAL PLANTINGS LAYOUT ALONG FENCE



CONTINUOUS PLANTING BED



LOT 3 EDITS

Symbol	Scientific Name	Common Name	Size	Spacing	Mature Height	Crown Spread	Growth Habit	Notes
Trees								
AFA	AGER FREEMAN 'ARMSTRONG'	Freeman maple	2-2.5" cal.	see plan	50' - 70'	10' - 15'	Tall & Narrow	Tall with a very narrow shape, good fall color under good conditions
AAO	AMELANCHIER alnifolia 'Obelisk'	Standing Ovation™ serviceberry	#2 cont.	see plan	15'	4'	Narrow	Three-season interest. Its upright, perfectly oval form is attractive even during winter
CCU	CARPINUS caroliniana 'J.N. Upright'	Frespique™ American hombbeam	#2 cont.	see plan	20'	10'	narrow	A narrow, upright cultivar with improved red-orange fall color
UA	ULMUS americana 'Princeton'	American Elm 'Princeton'	2-2.5" cal.	see plan	30-40'	24'	Vase	A vigorous, healthy grower with a uniform vase shape
Shrubs								
COS	CORNUS sericea 'Arctic Fire'	Dogwood, Arctic Fire Red Osier	3-4" ht	see plan	3-4'	3-4'	Rounded	Compact, dense form growing wider than tall. Bright red bark
ILV	ILEX verticillata 'Red Sprite' (female)	Winterberry 'Red Sprite'	3-4" ht	see plan	3-4'	3-4'	Rounded	Very dense and compact. Long-lasting fruit
TAC	TAXUS cuspidata 'Adams'	Yew, Adams Columnar	3-4" B&B	see plan			Upright, fast-growing. Fills out into a dense hedge quick. Evergreen	
VA	Viburnum acerifolium	maple leaf viburnum	#2 cont.	see plan	6'	6'	clump	Native to eastern North America. Very shade tolerant, exquisite fall color
Perennials								
MAS	Marrubia struthiopteris	Oxleech Fern	3" pot	18" o.c.	36-60"	5'	Vase	Native to New england, shade loving, large dramatic shape
PAV	PHACELIUM vlgatum 'Sheranadash'	Switch Grass	#2 cont.	18" o.c.	3-4'	2-3'	Upright	green leaves in early summer turning to dark red
RUH	RUBROCOCA hirta	Black-eyed Susan	#2 cont.	18" o.c.	2-3'	1-2'	Clump	A showy wildflower
SPH	SPOROBOLUS heterolepis	Prairie Droseed	#2 cont.	18" o.c.	2-3'	2-3'	Clump	foliage turns golden with orange hues in fall

NOTE: only within revision cloud changes occur.
The planting plan is showing what should be added to make a continuous front planting bed in front of LOT 3

Project No. 14837.02

Scale: As noted

Drawn By: Sage Sluter

Date: 1/16/2018

Reference Drawing:

SK-L.2

LOT 4 - FENCE DETAILS & Planting Plan

GEONSIGHT, INC.

AMBIT ENGINEERING, INC.
GREENMAN-PEDERSEN, INC.
ENGINEERED BUILDING SYSTEMS
ENGINEERED SYSTEMS, INC.
JSN ASSOCIATES, INC.

Project:

Deer Street Associates

- [New Products](#)
- [Product Index](#)
- [Galileo](#)
 - [Basic](#)
 - [Signature](#)
 - [Elite](#)
 - [Flat Band](#)
 - [Deco](#)
 - [Slim](#)
 - [ADA](#)
 - [Pendant](#)
 - [Legacy](#)
 - [Gravura](#)
 - [Custom](#)
 - [Customization Options](#)
- [Architectural Wall / Full Cutoff](#)
- [Decorative](#)
- [Vandal](#)
- [Linear](#)
- [Garage](#)
- [Retail Pendants](#)
- [LED Retrofit Kits](#)
- [Installations](#)
- [Quickship Products](#)
- [Full Spectrum Products](#)
- [Gravura Graphics](#)
- [Special Order Products](#)

You are here: [Products](#) > [Galileo](#) > [Basic](#) > [Thor](#)

Product Specifications:

- Galileo Basic T Thor (TH) Series
- Triangular Diffuser
- No Perfix or Shield
- 6 Bar Configuration - 4 Horizontal Bars [2 Top & 2 Bottom] | 2 Vertical Center Bars
- Wall Mounted Vertically or Horizontally
- Suitable for Indoor/Outdoor Use
- [View Galileo How-to-Build / Customization Options](#)

Size Options:

Standard Sizes

- **Large (L):**
8.25"W x 13.25"H x 4"D (ADA)
- **X-Large (XL):**
8.25"W x 16"H x 5.5"D
- **X-Large 1 (XL1):**
9.25"W x 21"H x 5.5"D
- **X-Large 2 (XL2):**
12.25"W x 26.25"H x 7.25"D
- **X-Large 3 (XL3):**
14"W x 41"H x 8.5"D

Alternate Sizes

- **30" Tall (30):**
12.25"W x 30"H x 7.25"D
- **ADA-XL:**
8.25"W x 18"H x 4"D (ADA)
- **ADA-XL1:**
8.25"W x 21"H x 4"D (ADA)
- **ADA-XL2:**
8.25"W x 26.25"H x 4"D (ADA)
- **ADA-XL3:**
8.25"W x 30"H x 4"D (ADA)

Lamp Options:

LED Wattages

*Check Spec-sheet for

Size / LED Wattage Compatibility

- **LED10:** 10 Watt LED
- **LED15:** 15 Watt LED
- **LED25:** 25 Watt LED
- **LED30:** 30 Watt LED
- **LED40:** 40 Watt LED
- **LED60:** 60 Watt LED
- **UP/DN:** 5/10/25 Watt LED Uplight / Downlight

LED Color Temperature

- **3K:** +/-3000K
- **35K:** +/-3500K
- **4K:** +/-4000K
- **5K:** +/-5000K

Environmental Range:

- DRY
- DAMP
- WET

Applicational Use:

- Building Facades
- Doorway Entrances
- Balconies
- Hallways
- Lobbies
- Stairways & Stairwells
- Concourses
- Atriums
- Shopping Centers
- Retail Stores
- Hotels
- Banks
- Universities
- Bars & Clubs
- Condominiums
- Designer Homes
- Dormitories
- Corporate Offices
- Restaurants

Installations:

N/A

Catalogue Cutsheets:

- ▶ [Thor_BasicT.pdf](#)
- ▶ [ADA_Galileo.pdf](#)
- ▶ [30 inch Galileo.pdf](#)
- ▶ [Flat_Band.pdf](#)
- ▶ [Whats_Your_Style.pdf](#)

Photometric IES Files:



[+] Click to Enlarge

Additional Views/Model Options:

N/A	N/A	N/A	N/A	N/A
-----	-----	-----	-----	-----

▶ [Back to Galileo Basic Products](#)

Search this Site

Model Name or Product Code in ()

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Eclipse Lighting Inc.

9245 W. Ivanhoe

Schiller Park, IL 60176

PH: (847) 260-0333

FX: (847) 260-0344

quotes@eclipselightinginc.com

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First Name

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Thor · Triton · Viking

Triangular Diffuser, No Perfex, No Shield Wall Mount Indoor/Outdoor Sconce LED

We reserve the right to revise the design or components of any product without notice.

CATALOG #		TYPE
PROJECT/LOCATION		
APPROVED BY		

SPECIFICATIONS

- BACKPLATE — 16 Ga. aluminum (AL).
- BACKBOX — 16 Ga. aluminum (AL) with wire access on four sides and back through 7/8" dia. KO flattened water tight (Optional for surface conduit entry or standard with emergency battery).
- CAGE — Modular design using 3/8" or 1/2" Square extruded aluminum bars (SQB) permanently secured by hidden means to the frame. Standard configurations shown. Custom spacing available.
- DIFFUSER — White translucent, fully enclosed non-yellowing 100% virgin acrylic, .125 Thick (1/8"). Optional Clear (CTB) top and/or bottom — CTB is Standard with Uplight and/or Downlight; Opaque (OQTB) top and/or bottom; or Open (ONTB) top and/or bottom — Dry Location Only.
- DRIVER — Universal Volt (120-277v) Electronic Driver.
- FASTENERS — Stainless steel tamperproof screws —(2) To secure lens in place.

- FINISH — Corrosion and Weather resistant, extremely durable pre-treated oven baked polyester powder.
- GASKETING — High Temp., non-aging black EPDM and/or neoprene rubber around the entire lens perimeter & rear wire entrance hole to protect against dust, moisture & outside contaminants.
- MOUNTING — Use (4) or (6) 5/16" diameter holes for 1/4" diameter bolts for outdoor or indoor. 7/8" KO in Center for Wire Access. Must derate lamping for horizontal.
- PERFEX/SHIELD — PX: Perforated Aluminum Panel Insert with 1/16" dia. holes. SHLD: Solid Aluminum Opaque Shield (lamp/watt limits). Specify Finish if choosing Perfex or Shield.
- WALL WASH — CTB is Standard with Uplight or/and Downlight. For wall wash patterns specify: UP (Uplight) or DN (Downlight) or UP/DN (Up and Downlight).
- COMPLIANCE — Built to comply with U.S. and Canadian safety standards. Suitable for wet locations.



THOR
L – XL3



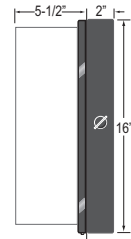
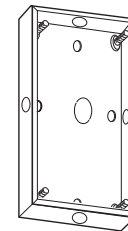
TRITON
L – XL3



VIKING
L – XL3



ARRA
Compliant



Shown with Backbox
(side view of Classic XL)

LAMP TYPE/QTY/WATTAGE ¹						
Visit www.eclipselightinginc.com for available IES files						
Fixture Size		L	XL	XL1	XL2	XL3
Dimensions - W x H x D		8 1/4" x 13 1/4" x 4"	8 1/4" x 16" x 5 1/2"	9 1/4" x 21" x 5 1/2"	12 1/4" x 26 1/4" x 7 1/4"	14" x 41" x 8 1/2"
Light Emitting Diode	LED	15w	15w	15/30w	40/60w	60w
Light Emitting Diode ^{4B} Uplight/Downlight Clear Top/Bottom (CTB) Standard with UP/DN	UP/DN	5w/5w	5w/5w	5w or 10w	5w or 10w or 25w ²	5w or 10w or 25w ²
*Consult Factory for CFL, Linear Fluorescent, HID, and Induction Lamping						

ORDERING GUIDE:

Series	Size	Lamp/Qty/Watt	Color Temp	Voltage: Primary/Emergency	Finish	Options
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

SERIES

- TH = Thor Series
- TR = Triton Series
- VK = Viking Series

SIZE

- L = 13-1/4"
- XL = 16"
- XL1 = 21"
- XL2 = 26"
- XL3 = 41"

LAMP TYPE/QUANTITY/WATTAGE

Refer to Above Chart

LED COLOR TEMPERATURE

- 3K = ±3000K Range
- 35K = ±3500K Range
- 4K = ±4000K Range
- 5K = ±5000K Range

VOLTAGE

- 120 = 120 Volts
- 277 = 277 Volts
- 347 = 347 Volts
- EBU = Universal Volt (120-277v) Electronic Driver
- 2EBU = Two Universal Drivers

STANDARD PAINTED FINISH

- BK = Black Finish
- BZ = Bronze Finish — Standard
- PNA = Painted Natural Aluminum
- SGR = Silver Gray
- WH = White Finish

CUSTOM ORDER PAINTED FINISH

- CC = Custom Color (Provide Specs)
- CH = Corvel Chrome
- HBA = Hand Brushed Aluminum w/ Clear Coat

Thor · Triton · Viking

Triangular Diffuser, No Perfix, No Shield - Wall Mount Indoor/Outdoor Sconce - LED

OPTIONS

9002 = Tamperproof Screwdriver
9206 = Photocell 120V ²
9221 = Photocell 277V ²
9328 = Universal Photocell 120/277V ²
ATBS = Aluminum Top & Bottom Shield (No Light)
BB = Backbox (2" depth), Included where lamping shown with **notes**:²
CM = Ceiling Mount⁶
CR = Custom Requirements
CTB = Clear Top & Bottom (Standard with Up/Downlight)
FUS = Single Fusing
DFUS = Double Fusing
GTD = Generator Transfer Device (Bodine)²
GV = Gravura Custom Engraving (Consult Factory)
HM = Horizontal Mount⁶
OQTB = Opaque Top & Bottom (reduces light transmission)
ONTB = Open Top & Bottom (indoor only)

LED OPTIONS

BL1 = Bi-Level Light (High/Low)
— Single AC Input Feed, with Switch Sensor (Required)
BL2 = Bi-Level Light (High/Low)
— Wired for Dual AC Input Feeds
D7 = 0-10V low-voltage LED Dimming (100-30% Standard, Consult Factory for Other)
MSE = Motion Sensor External²—Single circuit-all on, all off
Specify Finish: White (WH)/Bronze (BZ)
MSE2 = Motion Sensor External²—Dual circuit, half on half off
Specify Finish: White (WH)/Bronze (BZ)
MS11 = Motion Sensor Integral² (Microwave)
—Single Circuit: OFF / ALL-ON
MS12 = Motion Sensor Integral² (Microwave)
—Single Circuit: HALF-ON / ALL-ON

EMERGENCY OPTIONS³⁵

No onsite Emergency Power (AC or DC) is provided

Specify Fixture Voltage: 120V or 277V Power Feed
A=120V or B=277V

LED Emergency Battery

*NOTE: Integral Emergency Battery Options
Require Backbox (BB)*

EL67 = LED 23 Watt Cold Weather (Integral)
EL82 = LED 4 Watt (Integral)
EL85 = LED 20 Watt (Integral)
EL88 = LED 16 Watt (Integral)

Galileo Features & Benefits

- **Modular design: interchangeable diffusers and cages for rapid installation, relamping and maintenance, as well as the ability to design and build new luminaires to meet the exact needs or specifications. Allows you to boost and complement your design space.**
- **Three diffuser shapes: Round, Rectangular or Triangular**
- **Custom Color Matching**
- **Customizable sconces for design flexibility. Timeless and versatile to fulfill all aesthetic and performance needs.**
- **Standard Energy Efficient LED (Consult Factory for Other Lamping)**
- **Weather and vandal resistant construction — Standard.**
- **Considerable range in sizes to perfectly match the scale requirements of the exterior and interior setting, certain models are ADA compliant.**

NOTES:

- ¹ Consult Factory with requests regarding lamp sources including LED, color temp, wattages or voltages not shown.
- ² Backbox (BB) Required (where text bold and **note**:² shown)
- ³ Consult Factory for additional Emergency Battery options not shown
- ⁴ Consult Factory: May Require Lower Wattage or Backbox
- ⁵ Max mounting height of fixture is 10' (10 feet)
- ⁶ Clear Top and Bottom (CTB) is Standard with Uplight and/or Downlight (UP/DN)
- ⁷ Consult Factory for other Voltage.
- ⁸ Battery Available as Integral or Remote - Specify REL for Remote option (ie. EL1 = Integral; REL1 = Remote)
- ⁹ Due to form and fit, final selection of the Battery Pack under discretion of Factory