# 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 @ Cemetary |
| 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

JSA
ARCHITECTS
INTERIORS
PLANNERS

**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.

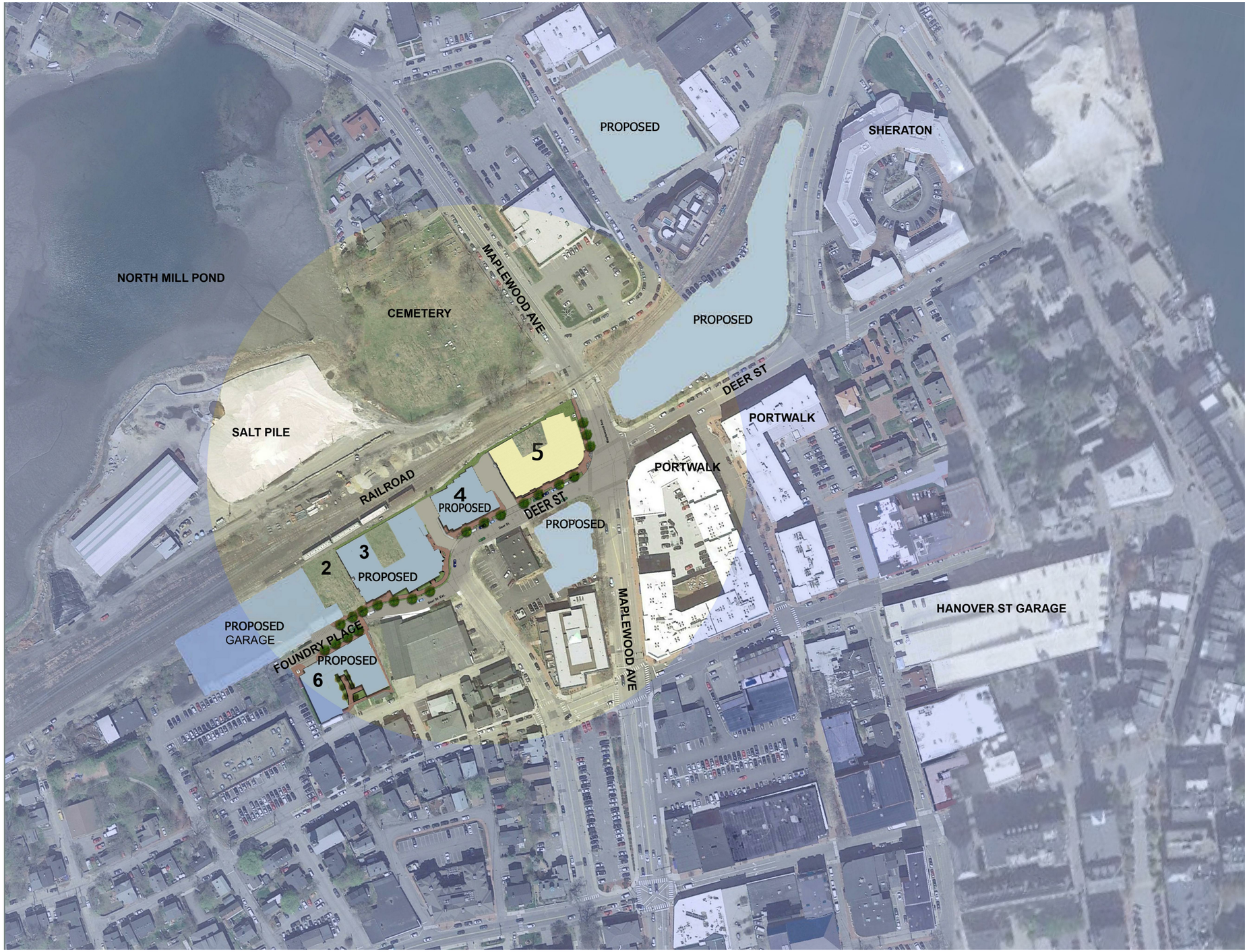
JSA
ARCHITECTS
INTERIORS
PLANNERS

1.2a

# SUMMARY & SITE PLAN

## Lot 5 at Foundry Place

07-11-2018



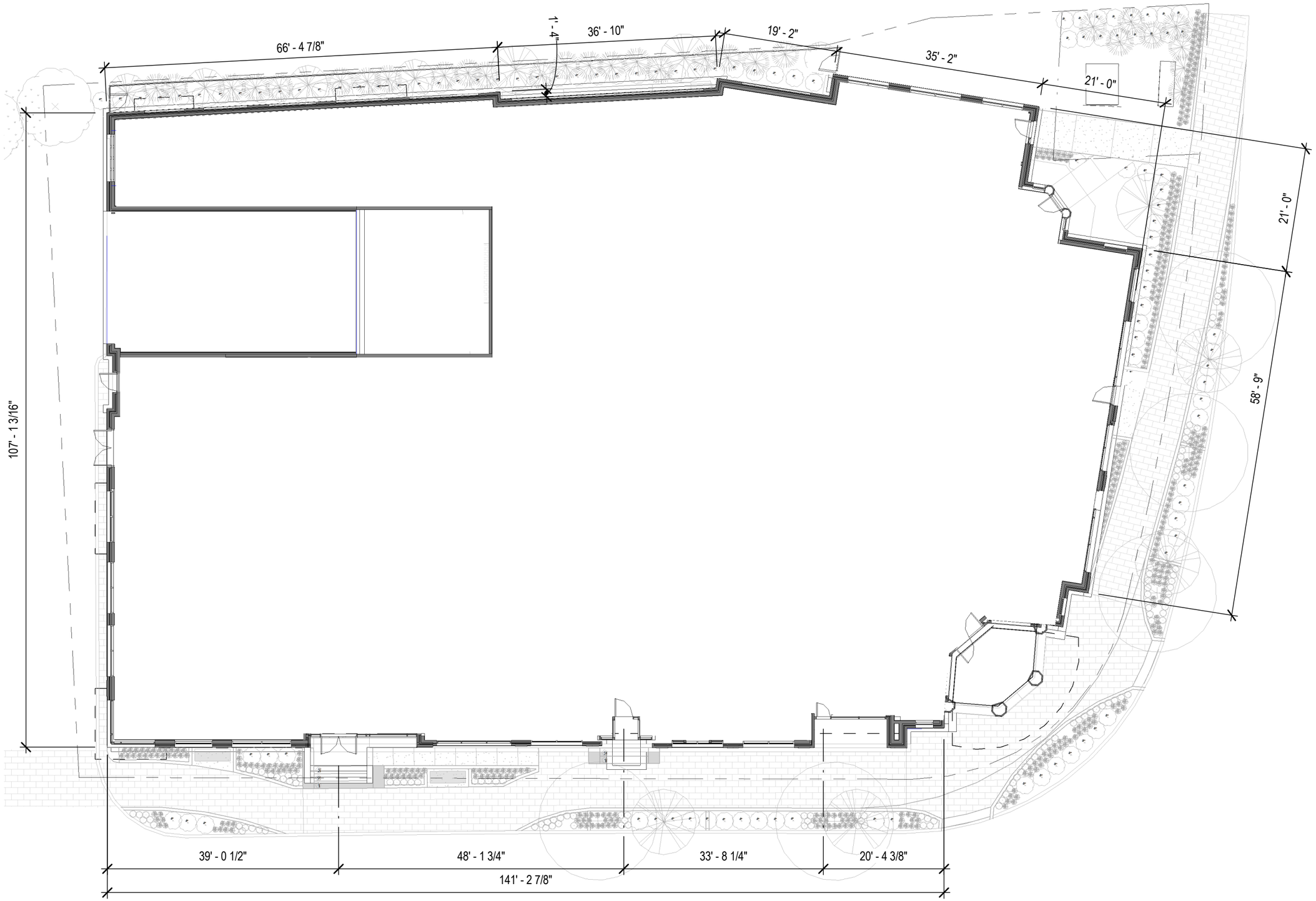

1.2b

# SITE MAP

## Lot 5 at Foundry Place

SCALE:
07-11-2018

JSA
ARCHITECTS
INTERIORS
PLANNERS




# FIRST FLOOR PLAN

1.3a

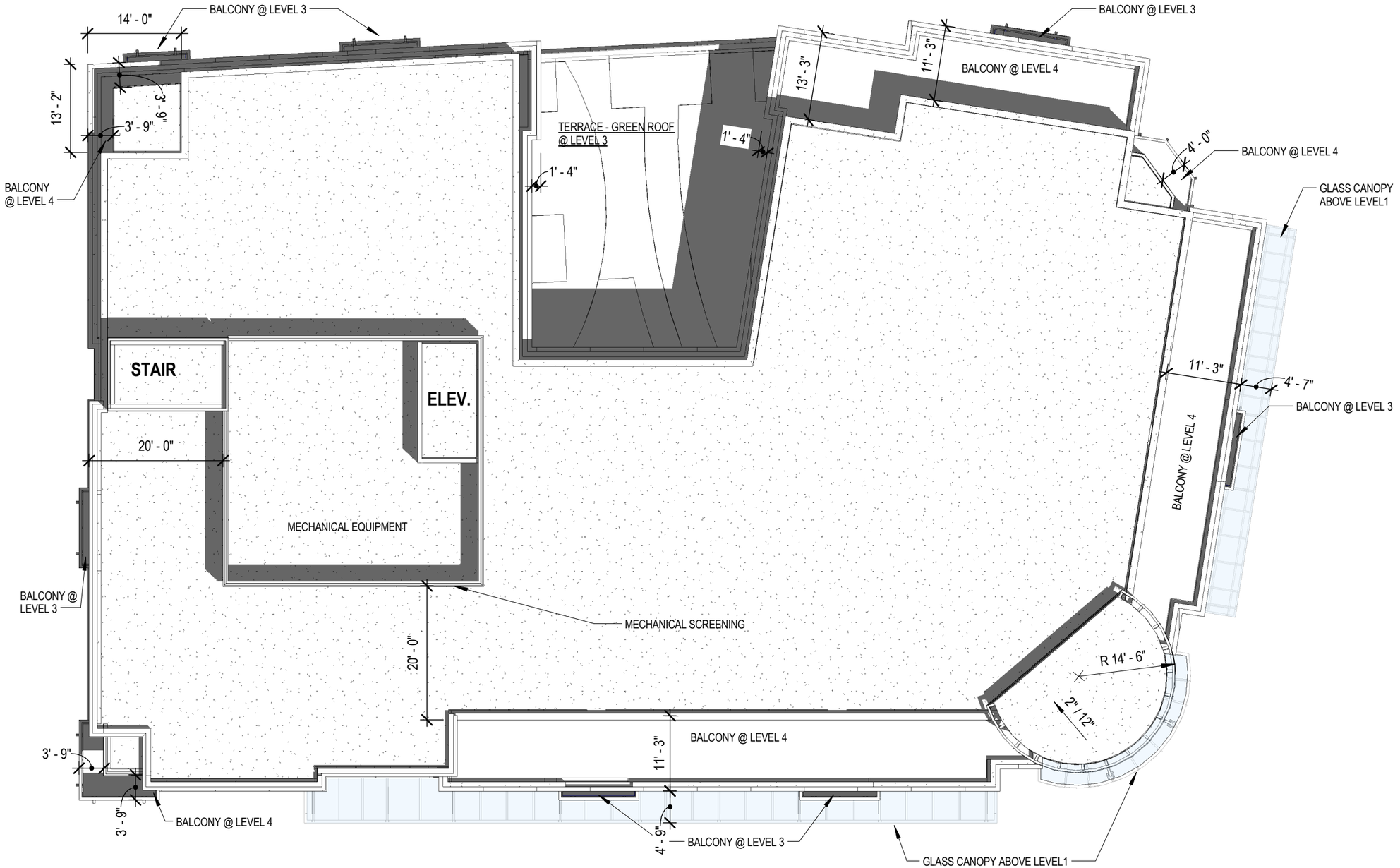
## Lot 5 at Foundry Place

07-11-2018

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

0' 8' 16' 32'

JSA
ARCHITECTS
INTERIORS
PLANNERS




1.3b

# ROOF PLAN

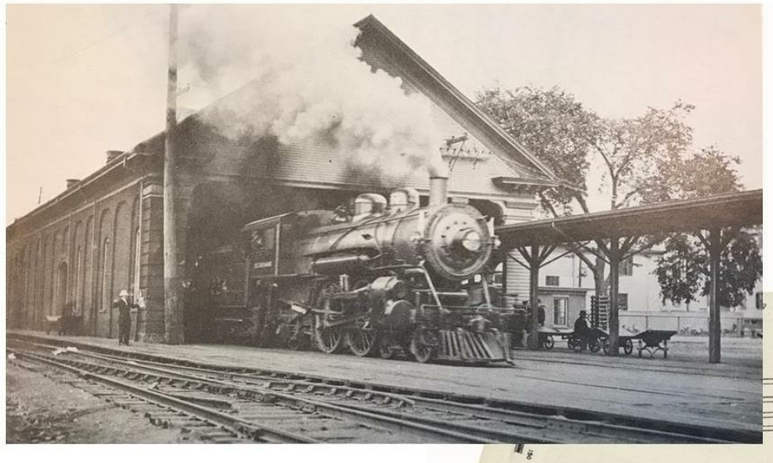
## Lot 5 at Foundry Place

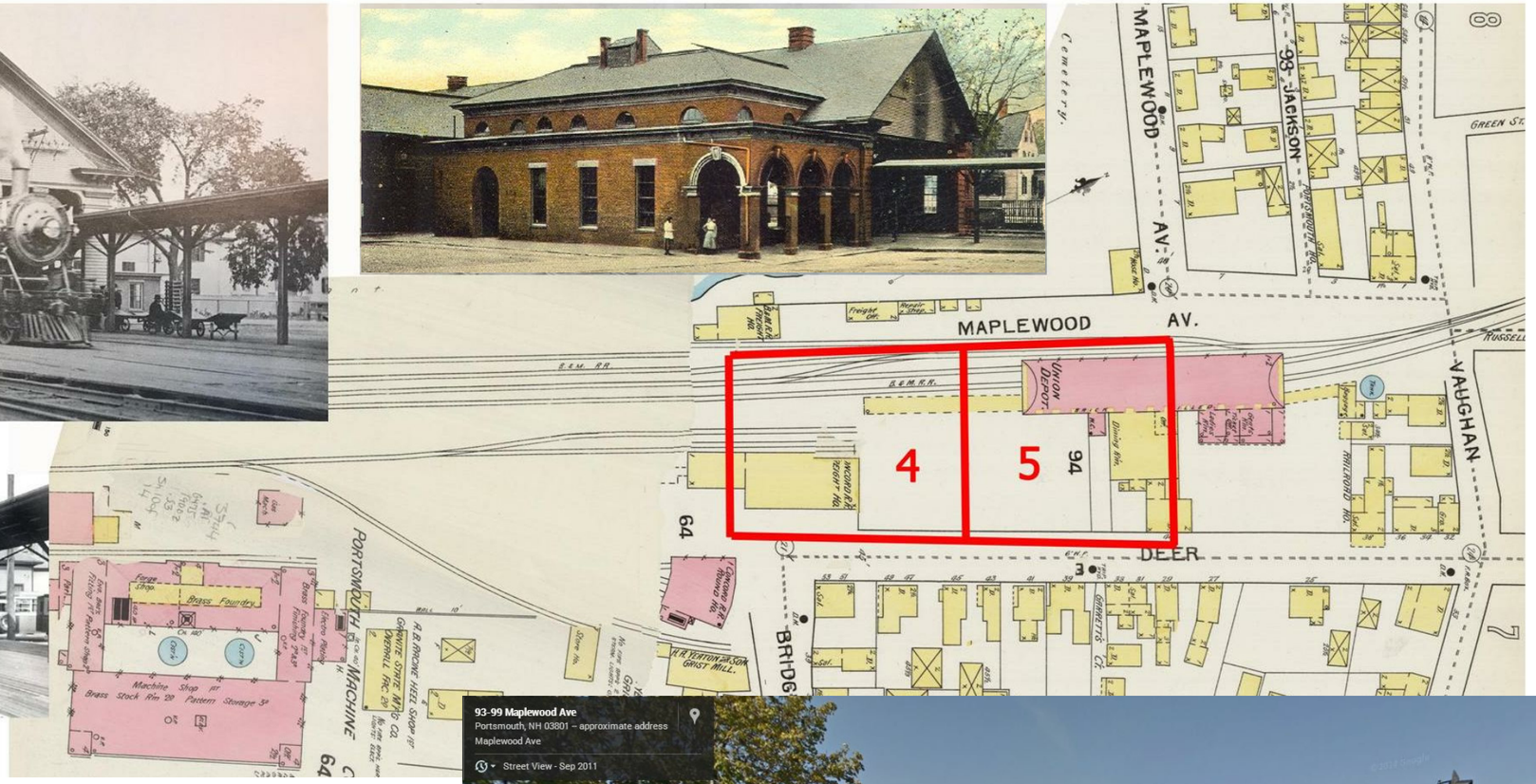
SCALE: 1/16" = 1'-0"
07-11-2018

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

0' 8' 16' 32'

JSA
ARCHITECTS
INTERIORS
PLANNERS





JSA
ARCHITECTS
INTERIORS
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

JSA
ARCHITECTS
INTERIORS
PLANNERS

JSA
ARCHITECTS
INTERIORS
PLANNERS

2.2a

## VIEW FROM BRIDGE STREET

**Lot 5 at Foundry Place**

07-11-2018

**2.2b**

# VIEW FROM MAPLEWOOD & RAILROAD

## Lot 5 at Foundry Place

SCALE:

07-11-2018

JSA

ARCHITECTS
INTERIORS
PLANNERS

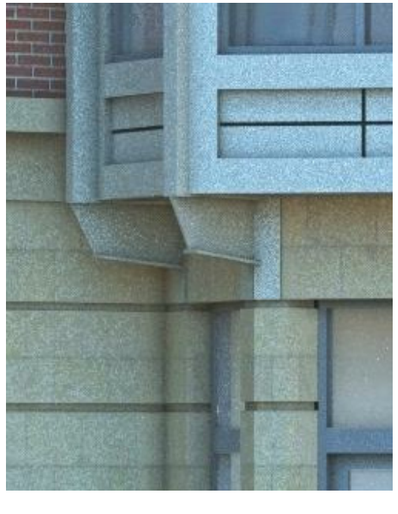
JSA
ARCHITECTS
INTERIORS
PLANNERS

2.3a

## TOWER DETAIL

**Lot 5 at Foundry Place**

07-11-2018



2.3b

# BAY DETAILS

## Lot 5 at Foundry Place

SCALE:
07-11-2018

JSA
ARCHITECTS
INTERIORS
PLANNERS

JSA
ARCHITECTS
INTERIORS
PLANNERS

3.1a

# ARIAL VIEW TO NORTHEAST

## Lot 5 at Foundry Place

07-11-2018

3.1b

# ARIAL VIEW TO NORTHWEST

## Lot 5 at Foundry Place

SCALE:
07-11-2018

JSA
ARCHITECTS
INTERIORS
PLANNERS

JSA
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
ARCHITECTS
INTERIORS
PLANNERS

JSA
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

JSA
ARCHITECTS
INTERIORS
PLANNERS

JSA
ARCHITECTS
INTERIORS
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

JSA
ARCHITECTS
INTERIORS
PLANNERS

JSA
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

JSA
ARCHITECTS
INTERIORS
PLANNERS

JSA
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

JSA
ARCHITECTS
INTERIORS
PLANNERS

4.3a

# VIGNETTE - Deer

## Lot 5 at Foundry Place

07-11-2018

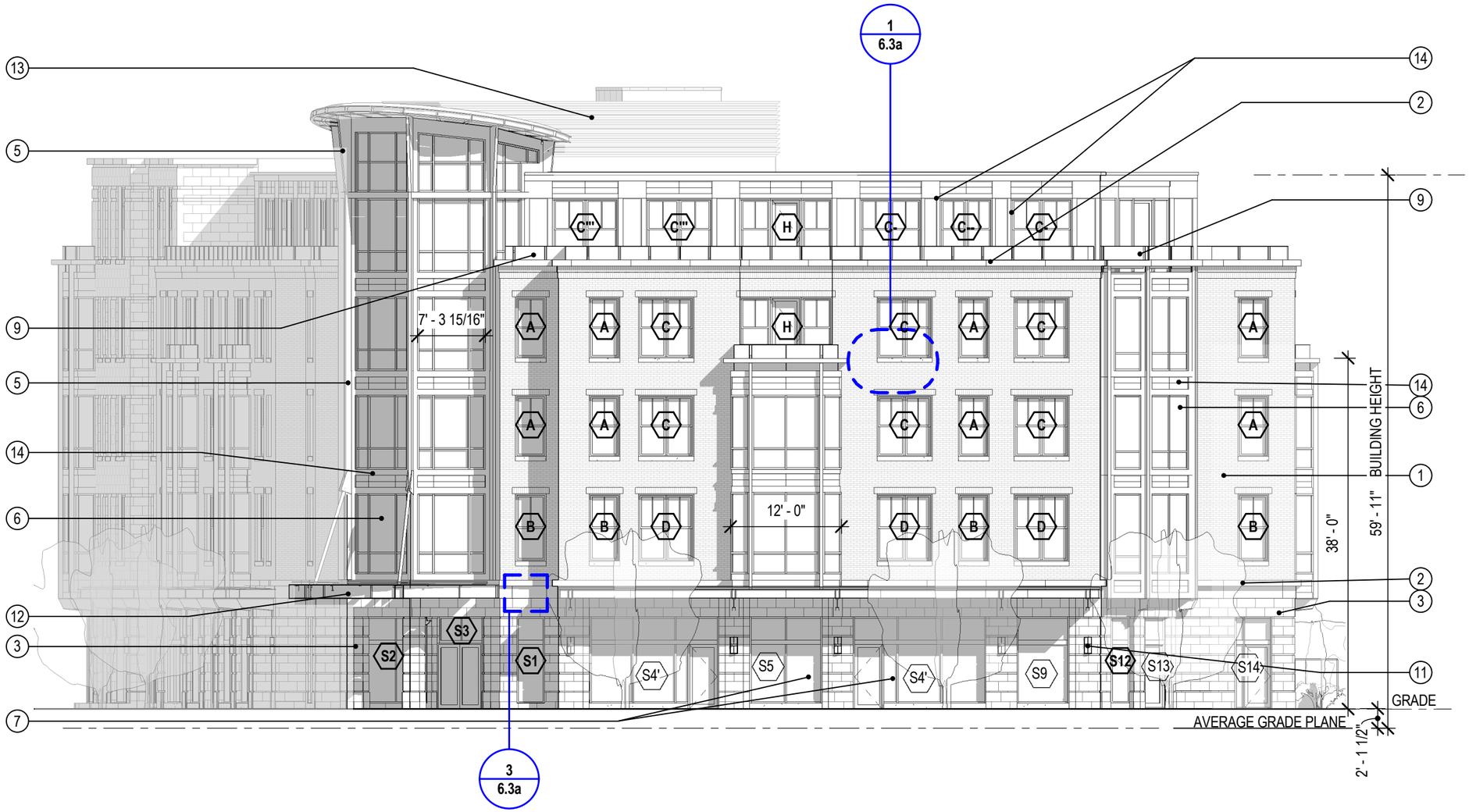
**4.3b**

# VIGNETTE - Maplewood

## Lot 5 at Foundry Place

SCALE:
07-11-2018

JSA
ARCHITECTS
INTERIORS
PLANNERS



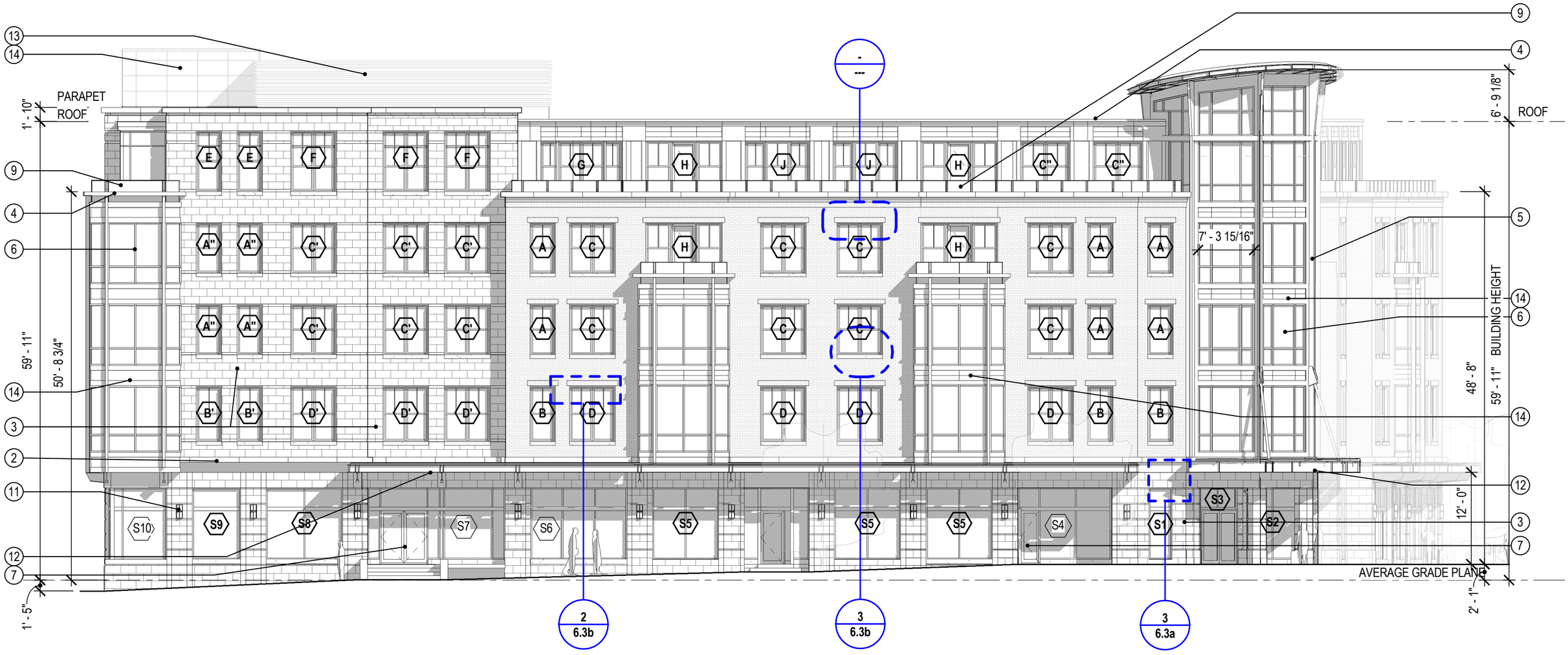

JSA
ARCHITECTS
INTERIORS
PLANNERS

5.1a

# EAST ELEVATION

## Lot 5 at Foundry Place

07-11-2018




## ELEVATION KEY NOTES

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

**5.1b**

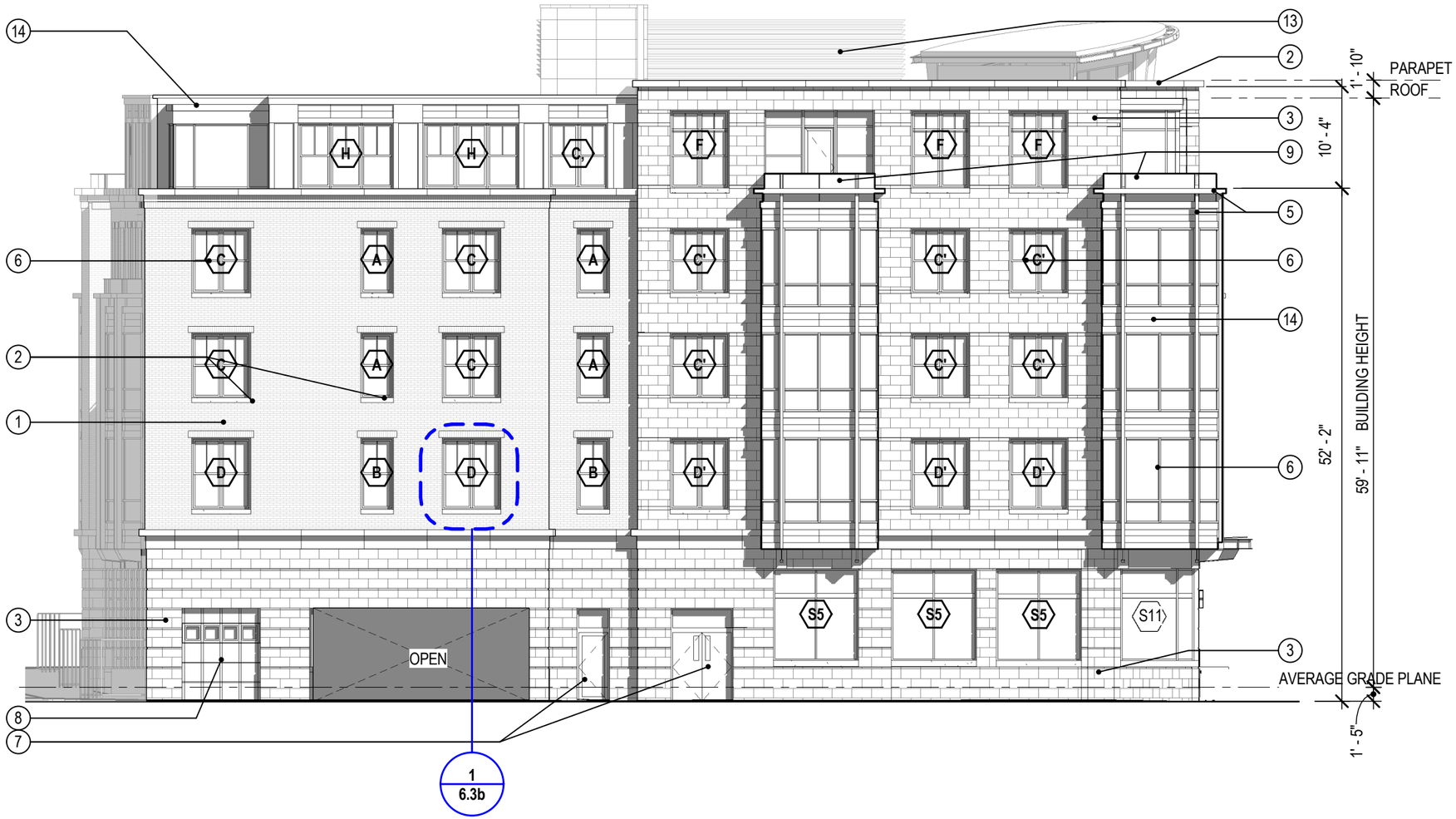
# SOUTH ELEVATION

## Lot 5 at Foundry Place

SCALE: As indicated
07-11-2018

GRAPHIC SCALE: 5/16" = 1'-0"
0' 1' 2' 4'

JSA
ARCHITECTS
INTERIORS
PLANNERS




# WEST ELEVATION

5.2a

## Lot 5 at Foundry Place

07-11-2018

JSA
ARCHITECTS
INTERIORS
PLANNERS

## ELEVATION KEY NOTES

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

**5.2b**

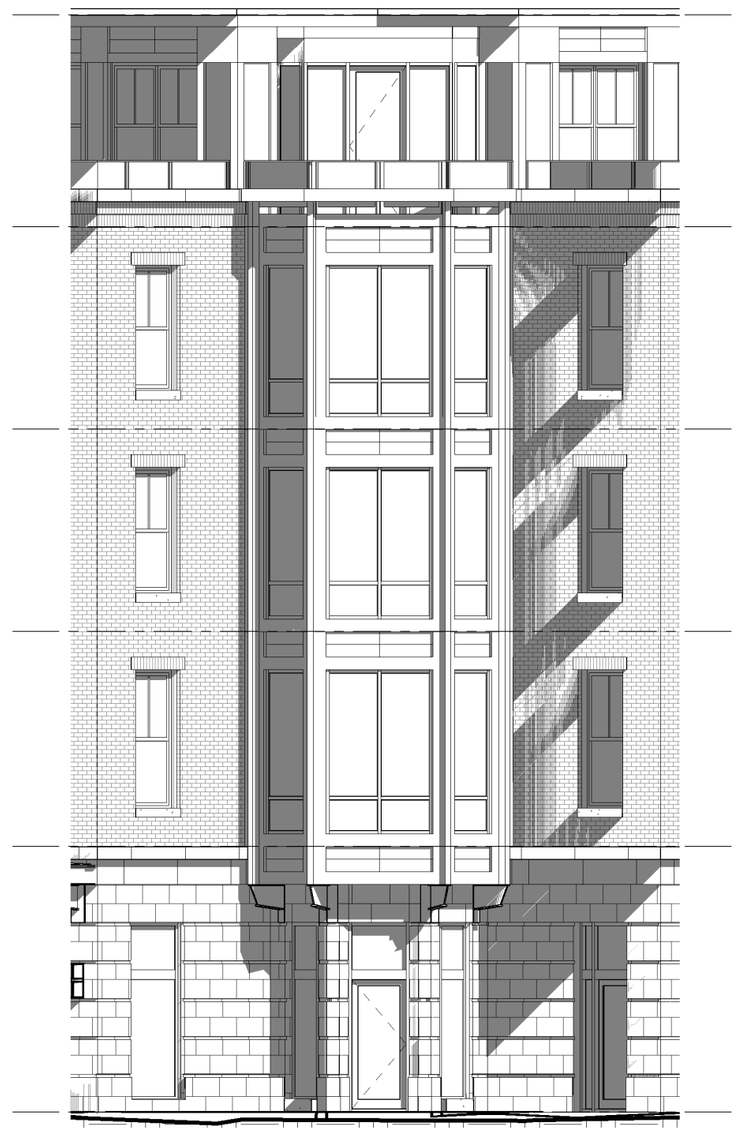
# NORTH ELEVATION

## Lot 5 at Foundry Place

SCALE: As indicated
07-11-2018

JSA
ARCHITECTS
INTERIORS
PLANNERS

1 SOUTHEAST CORNER



2 NORTHEAST CORNER

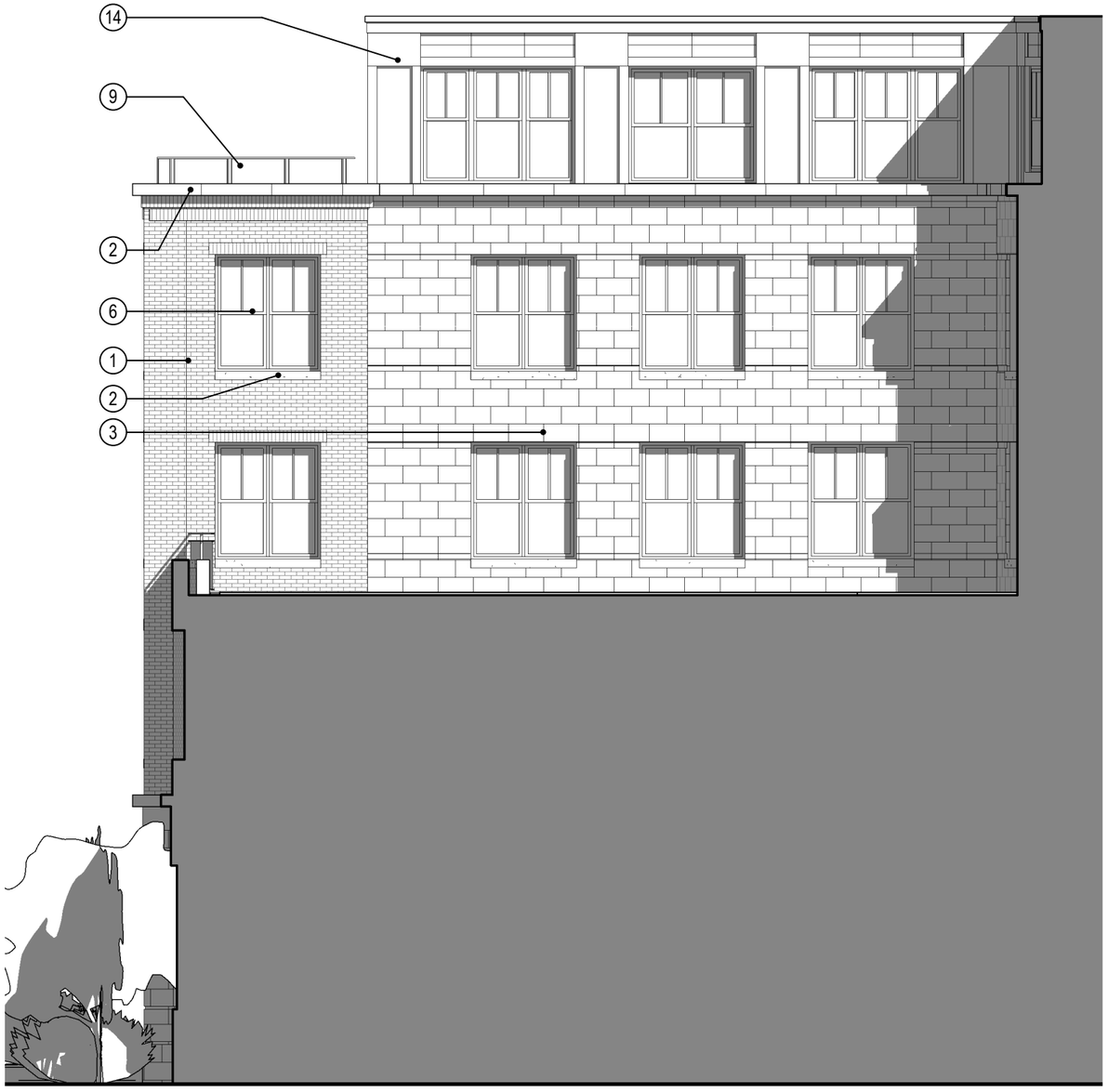
JSA
ARCHITECTS
INTERIORS
PLANNERS

5.3a

# CORNER ELEVATIONS

## Lot 5 at Foundry Place

07-11-2018




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

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

## ELEVATION KEY NOTES

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

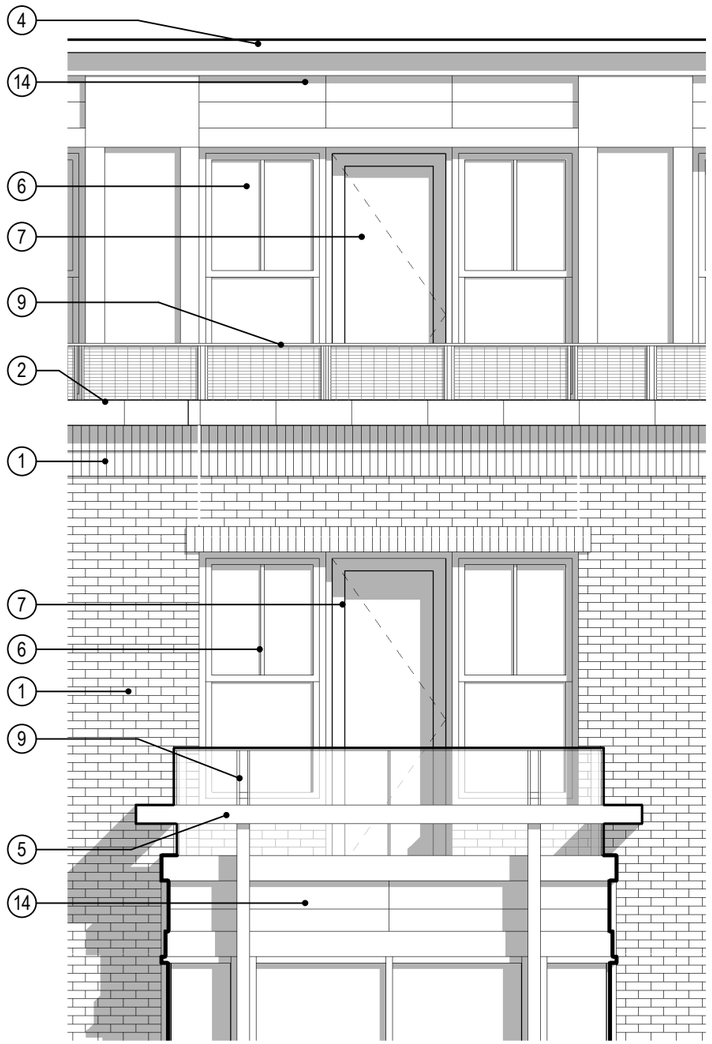
5.3b

# COURTYARD ELEVATIONS

## Lot 5 at Foundry Place

SCALE: As indicated
07-11-2018

JSA
ARCHITECTS
INTERIORS
PLANNERS




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

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

## ELEVATION KEY NOTES

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

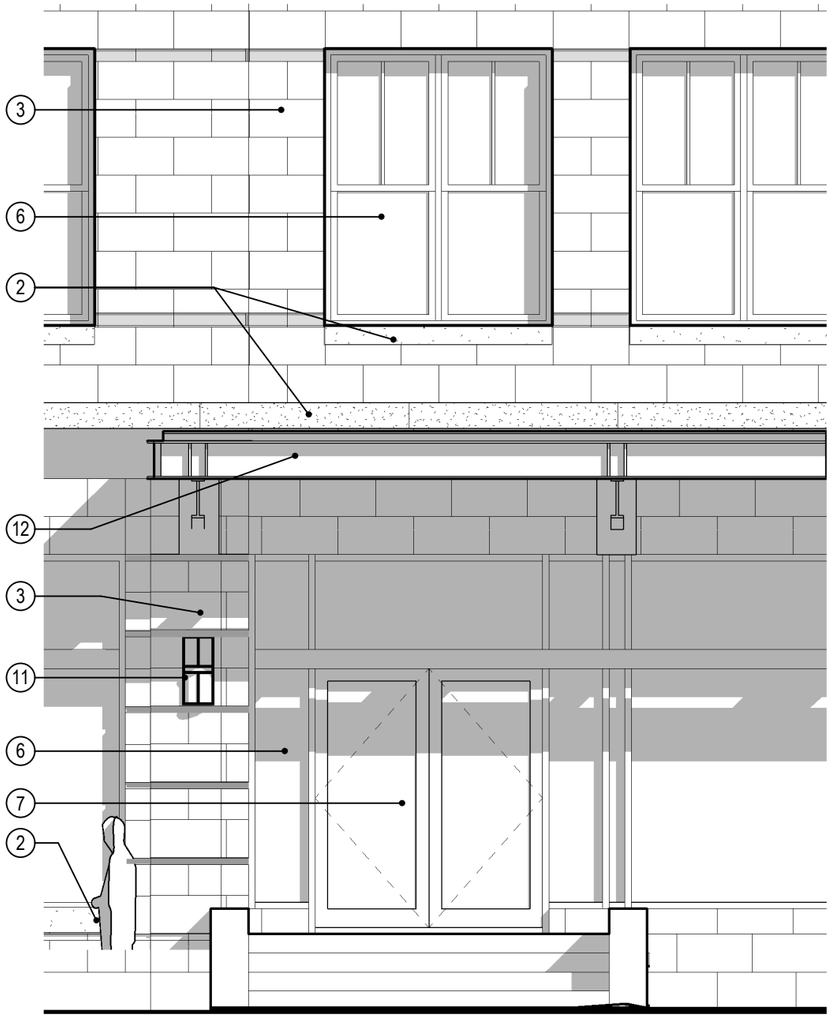
JSA
ARCHITECTS
INTERIORS
PLANNERS

5.4a

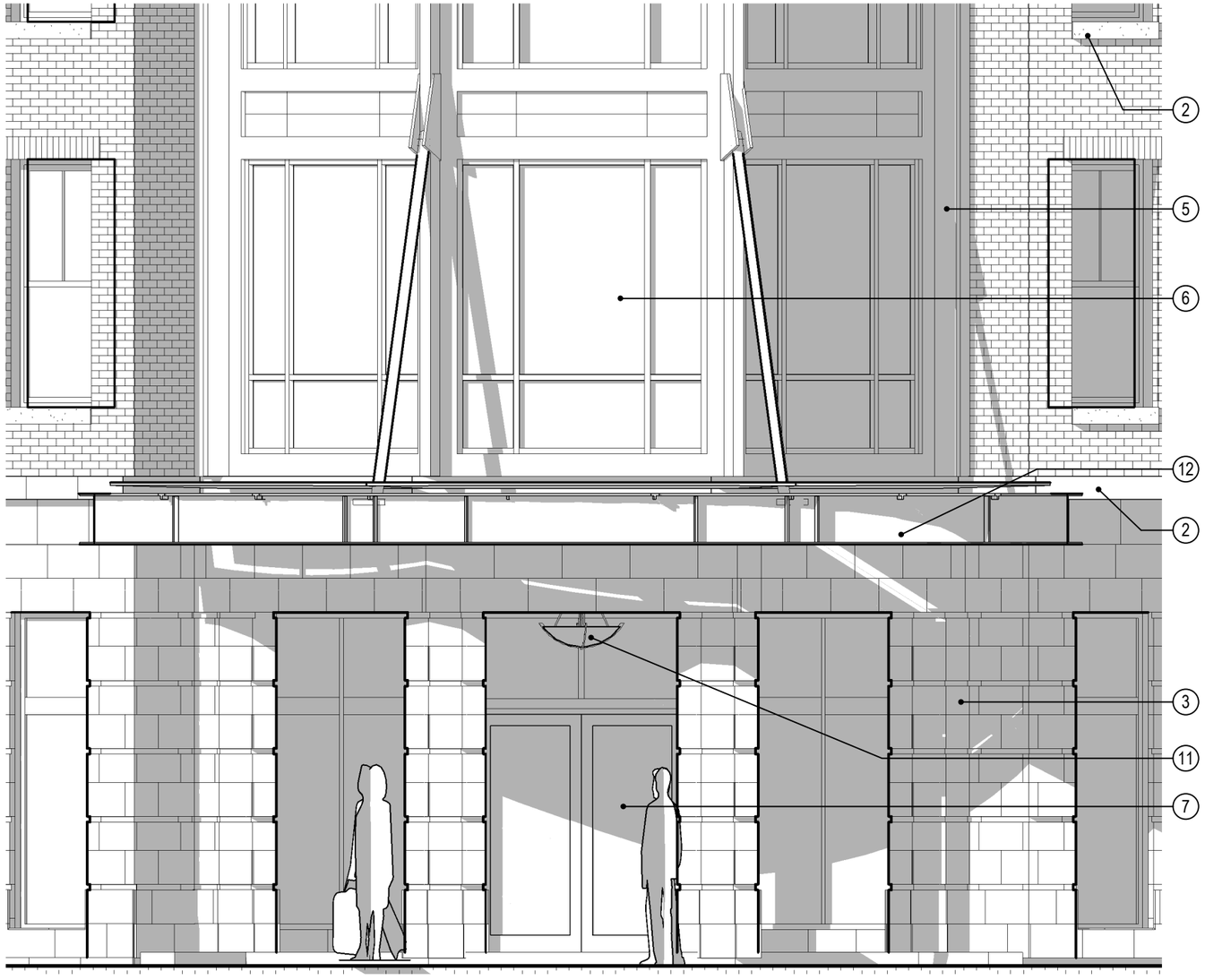
# ELEVATION DETAILS - CORNICES

## Lot 5 at Foundry Place

07-11-2018




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




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

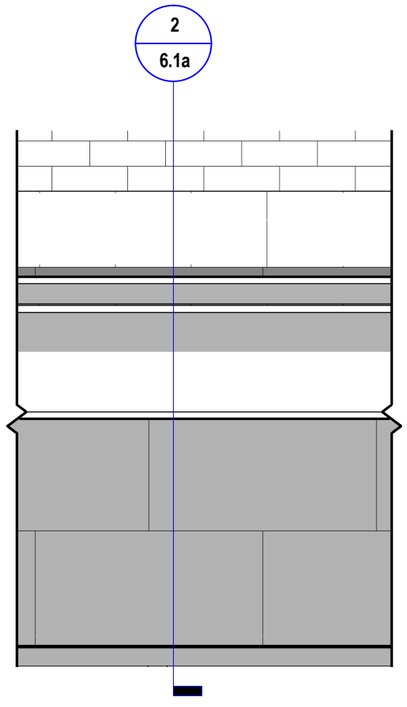
**5.4b**

# ELEVATION DETAILS - ENTRANCES

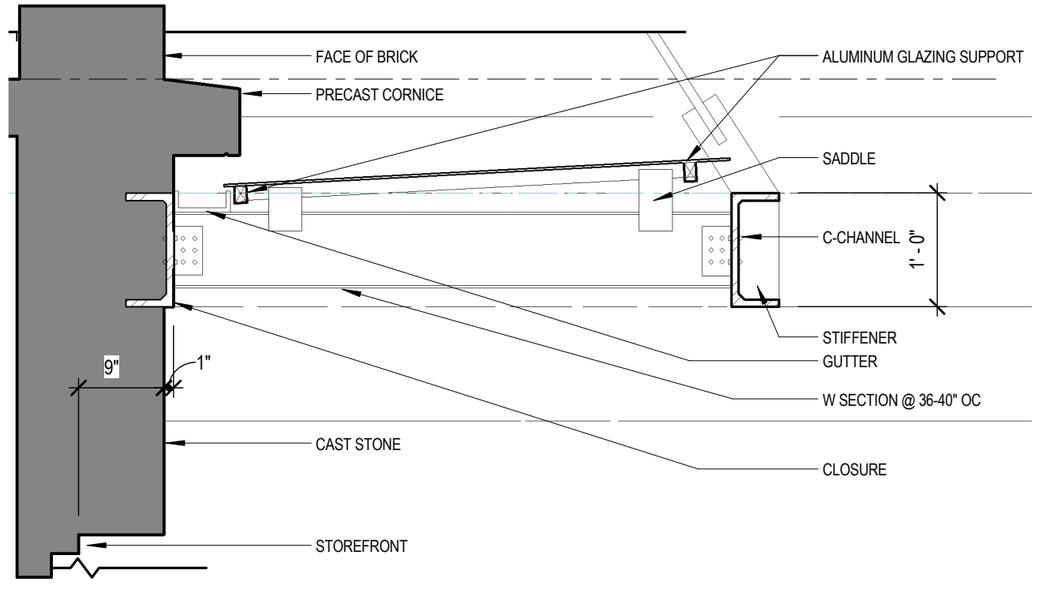
## Lot 5 at Foundry Place

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

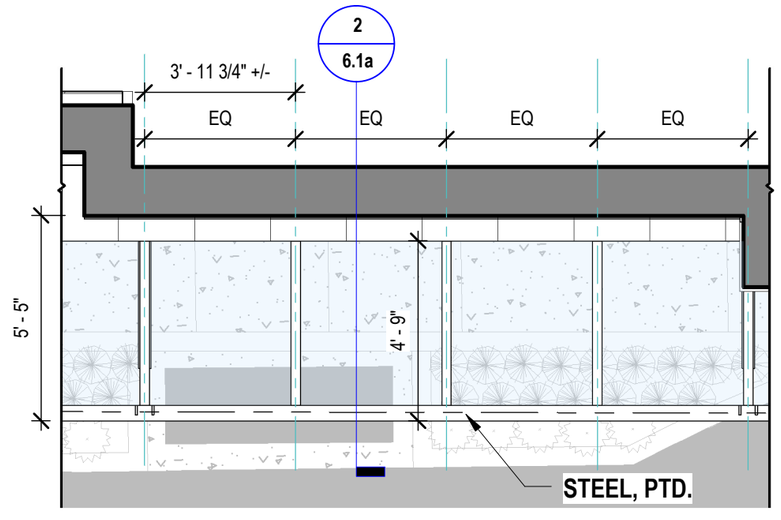
JSA
ARCHITECTS
INTERIORS
PLANNERS




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




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




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

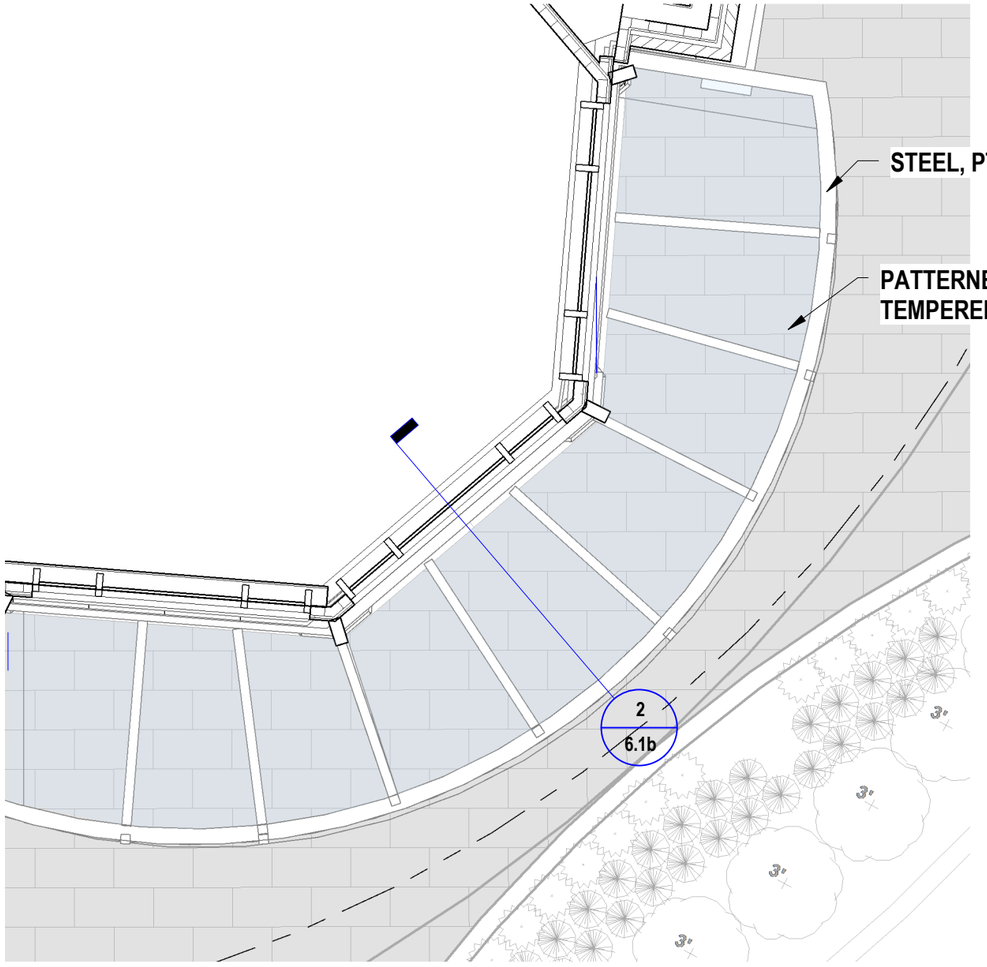
JSA
ARCHITECTS
INTERIORS
PLANNERS

6.1a

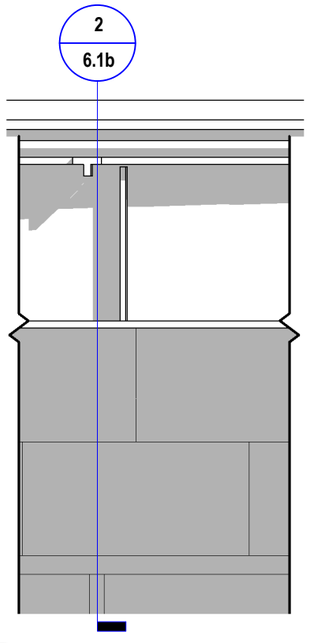
# DETAILS - SIDE CANOPY

## Lot 5 at Foundry Place

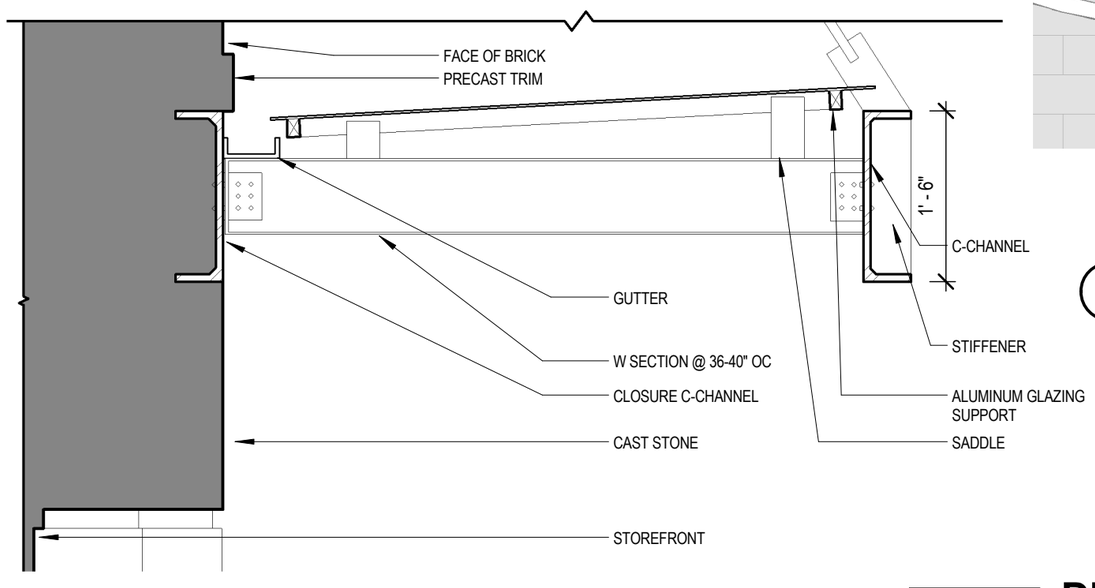
07-11-2018




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




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




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

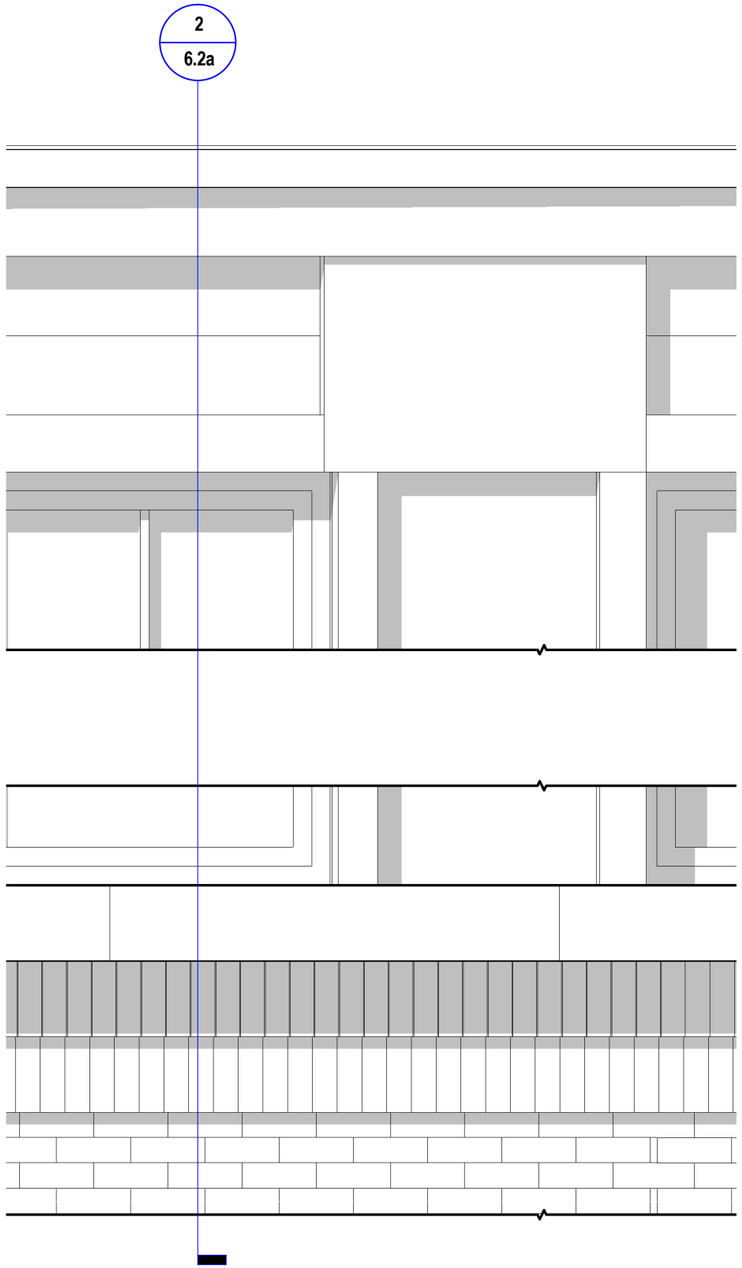
6.1b

# DETAILS - MAIN CANOPY

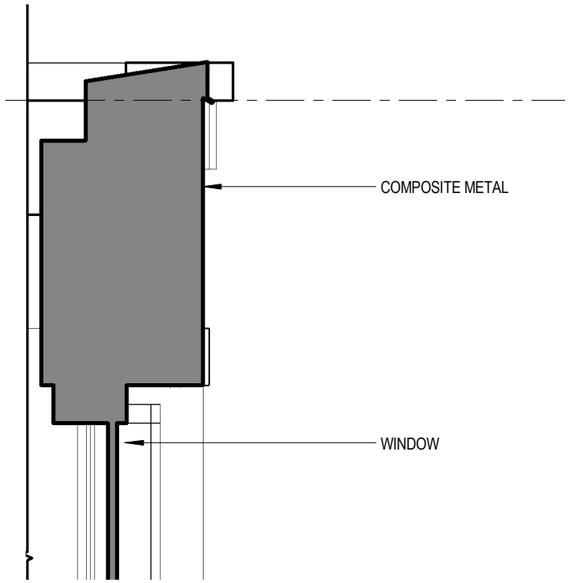
## Lot 5 at Foundry Place

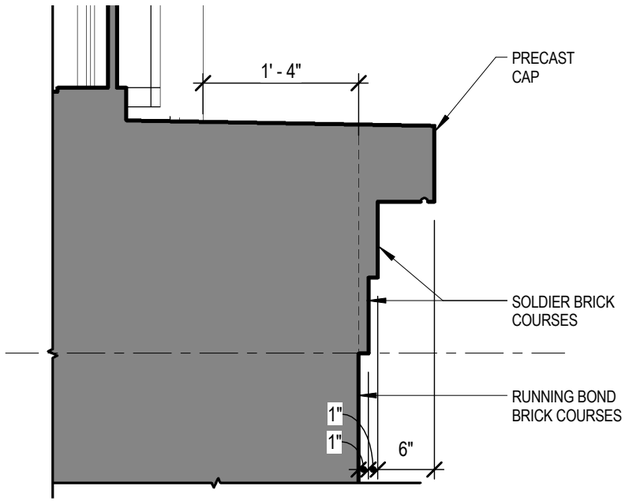
SCALE: As indicated
07-11-2018

JSA
ARCHITECTS
INTERIORS
PLANNERS




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



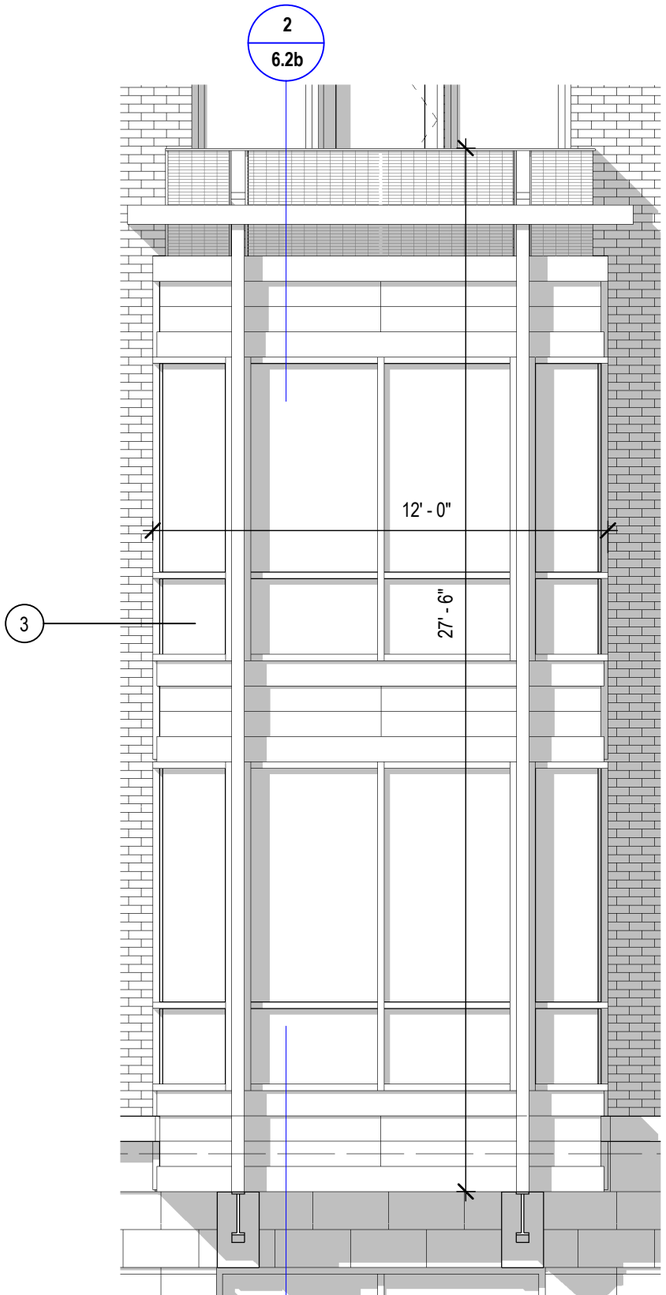

2 UPPER CORNICE SECTION
3/4" = 1'-0"

JSA
ARCHITECTS
INTERIORS
PLANNERS

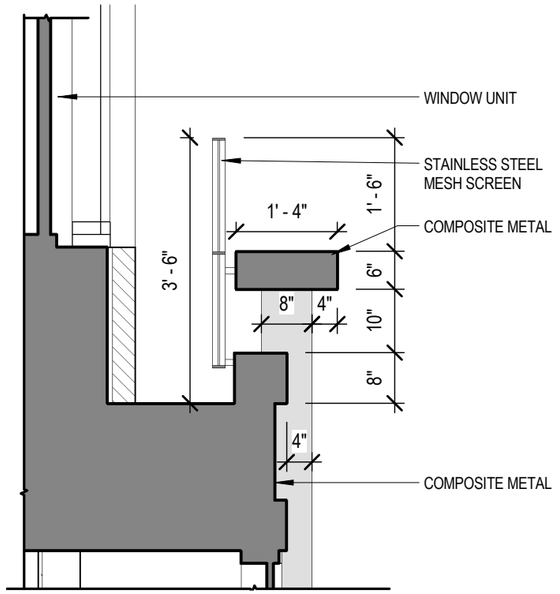
# 6.2a DETAILS - UPPER CORNICES

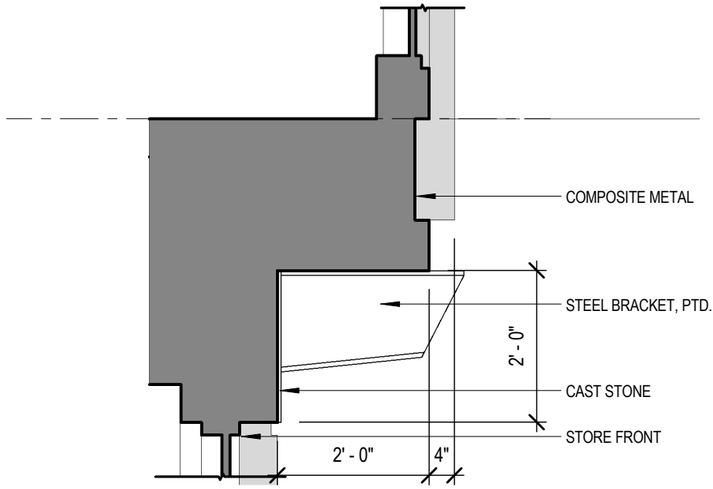
## Lot 5 at Foundry Place

07-11-2018

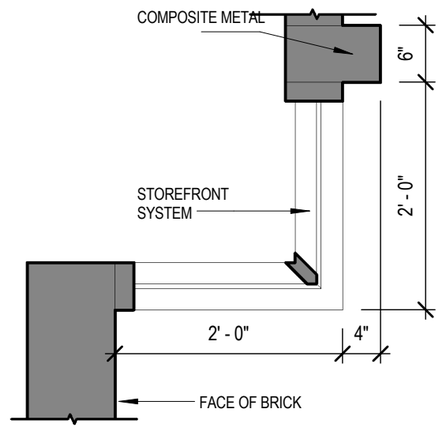



1 NORTH BOX BAY ELEVATION
1/4" = 1'-0"




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




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

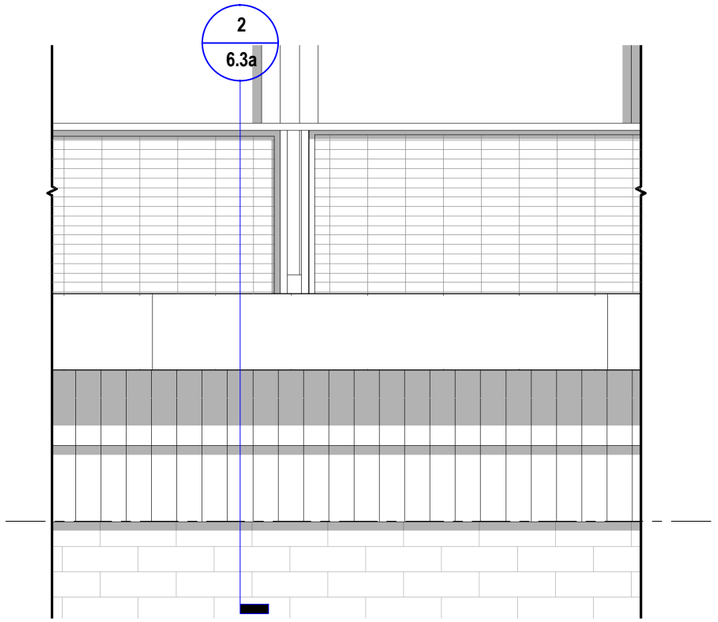
6.2b

# DETAILS - BOX BAY

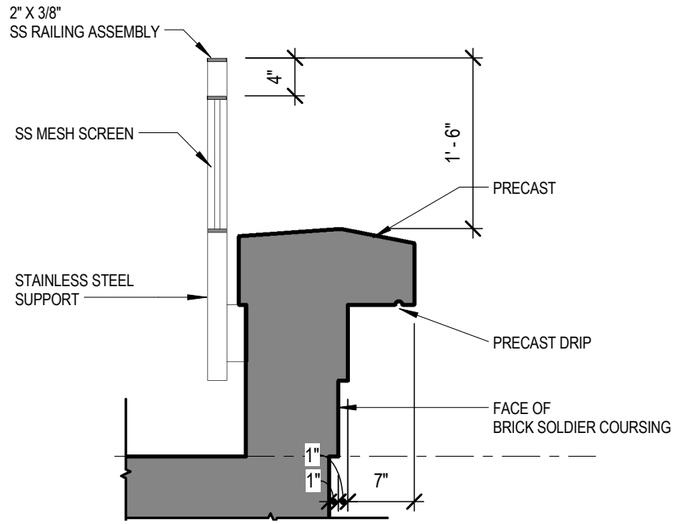
## Lot 5 at Foundry Place

SCALE: As indicated
07-11-2018

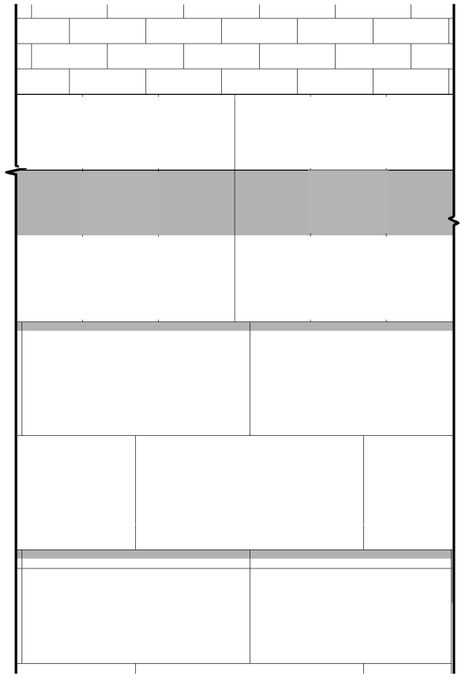
JSA
ARCHITECTS
INTERIORS
PLANNERS



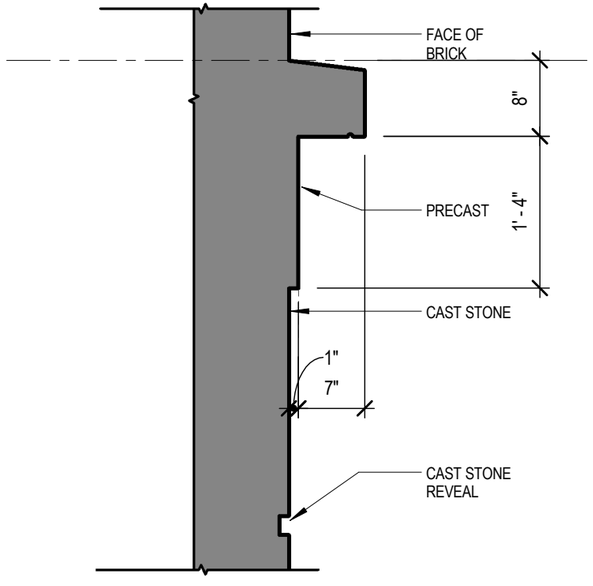

1 **BALCONY RAILING ELEVATION**
3/4" = 1'-0"




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



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



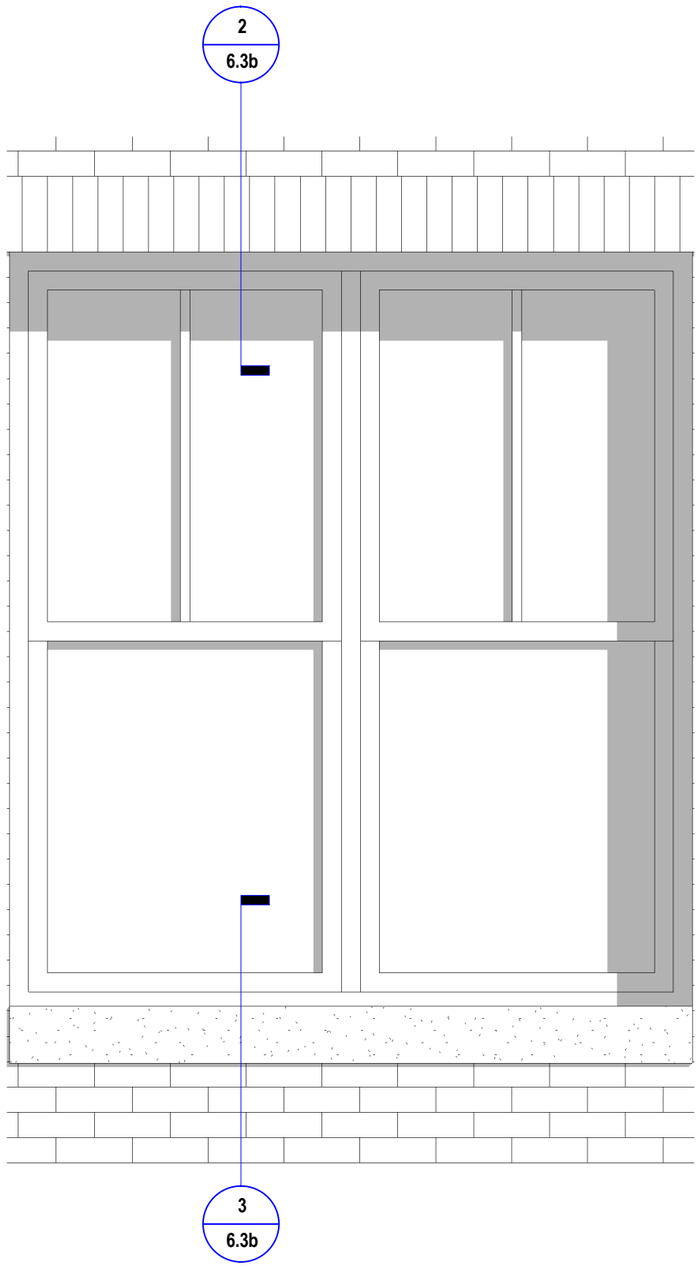

4 **LOWER CORNICE PRECAST SECTION**
3/4" = 1'-0"

JSA
ARCHITECTS
INTERIORS
PLANNERS

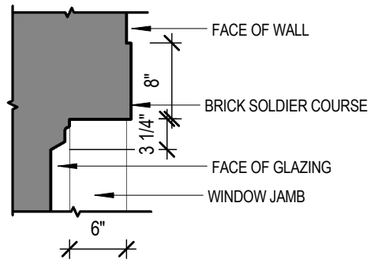
# 6.3a DETAILS - BALCONY & LOW CORNICE

## Lot 5 at Foundry Place

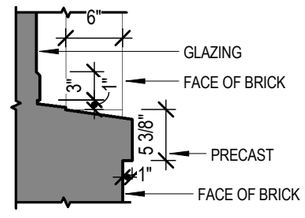
07-11-2018



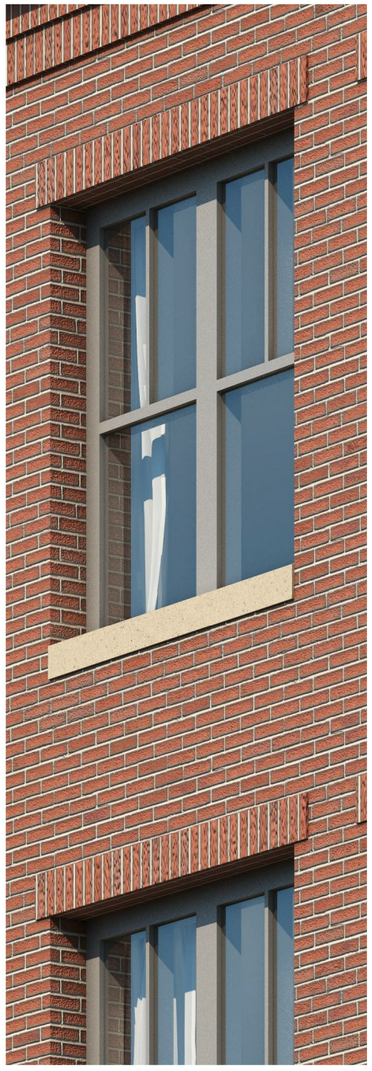

1 **WINDOW ELEVATION - BRICK LINTEL**
3/4" = 1'-0"




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




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

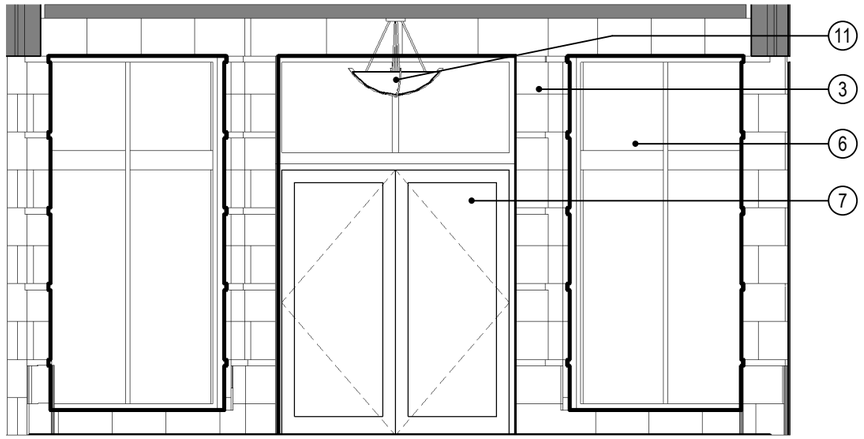


# 6.3b DETAILS - WINDOWS

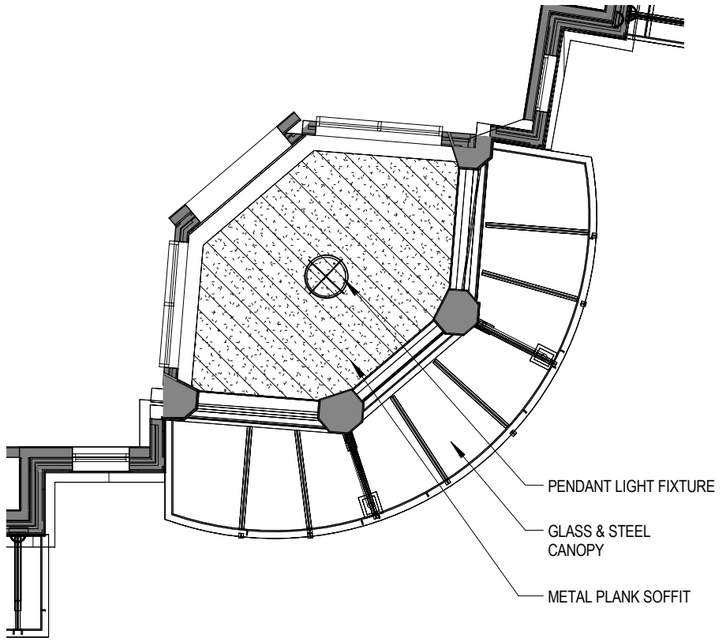
## Lot 5 at Foundry Place

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

JSA
ARCHITECTS
INTERIORS
PLANNERS



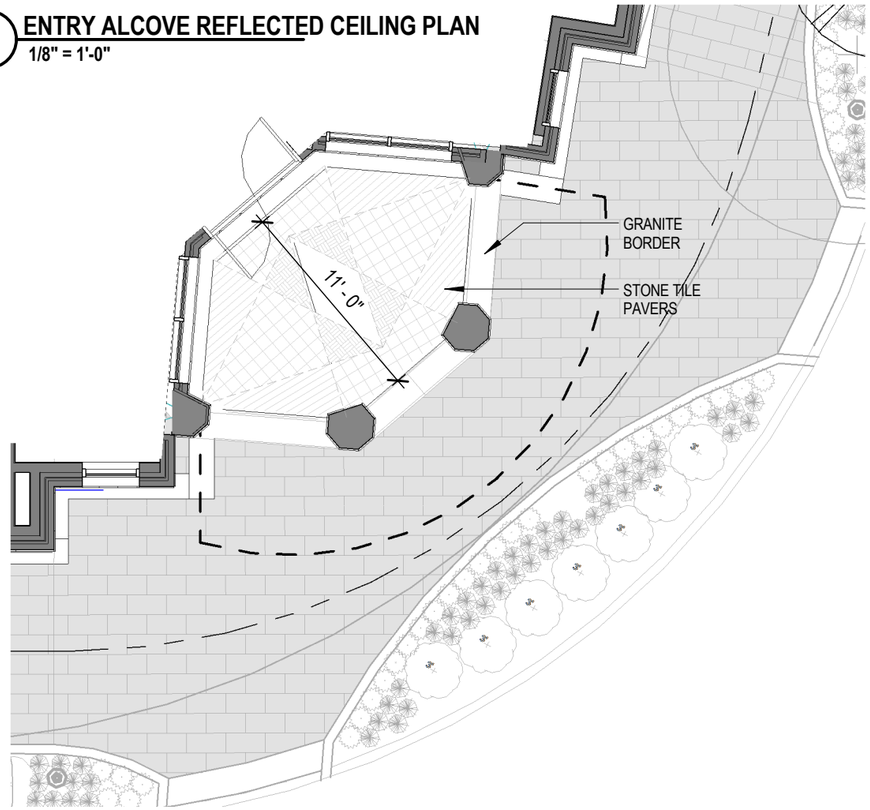

4 **ENTRY ALCOVE ELEVATION**
1/4" = 1'-0"




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"

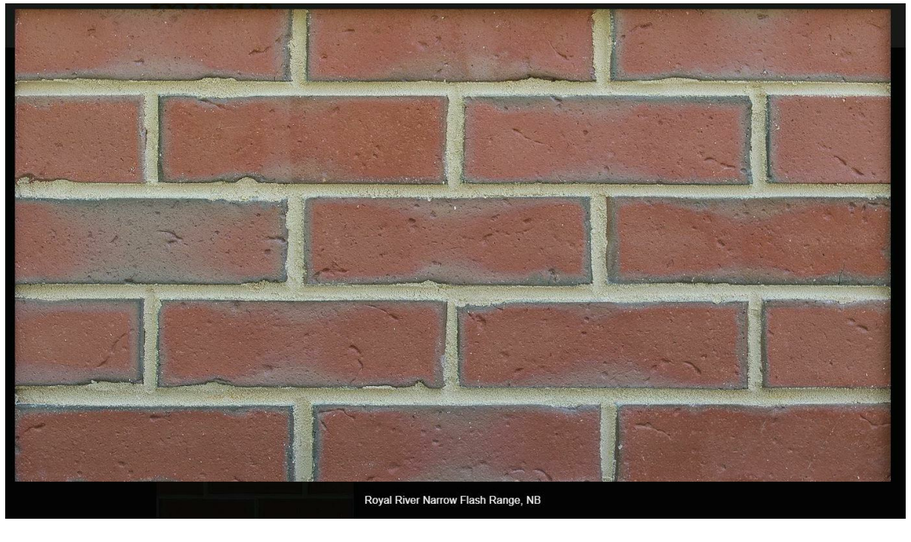
JSA
ARCHITECTS
INTERIORS
PLANNERS

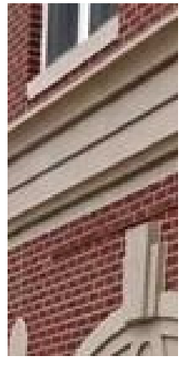
6.4a

# 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 equivilant |
| 9 | Railing system – metal mesh | Cambridge Architectural | Braid | Stainless Steel |
| 10 | *not used* | | | |
| 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 equivilant |
| 17 | Metal fence with hedge plantings | | woven chain link | black coating |

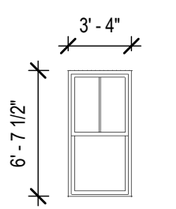
**6.4b**

# MATERIALS SCHEDULE

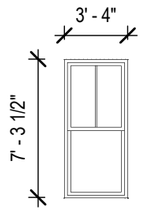
## Lot 5 at Foundry Place

SCALE:
07-11-2018

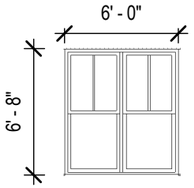
JSA
ARCHITECTS
INTERIORS
PLANNERS



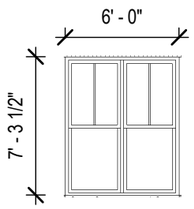

1 A 1/8" = 1'-0"



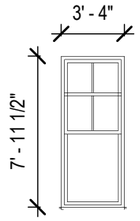

2 B 1/8" = 1'-0"



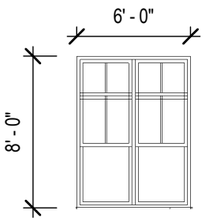

3 C 1/8" = 1'-0"



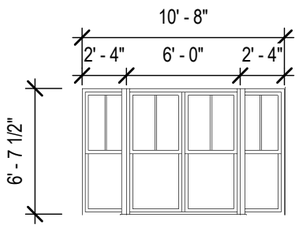

4 D 1/8" = 1'-0"



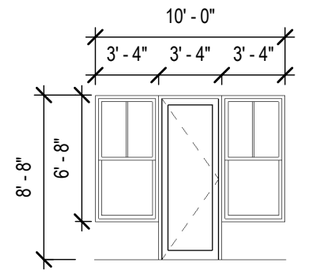

5 E 1/8" = 1'-0"



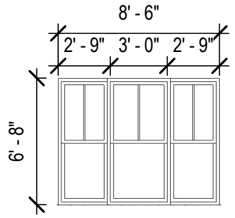

6 F 1/8" = 1'-0"



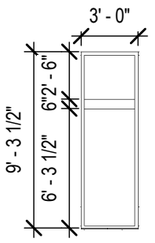

7 G 1/8" = 1'-0"



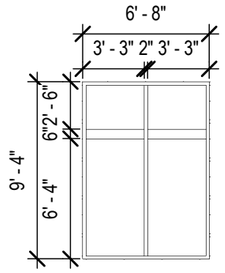

8 H 1/8" = 1'-0"



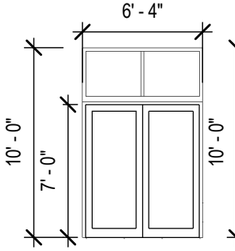

9 J 1/8" = 1'-0"



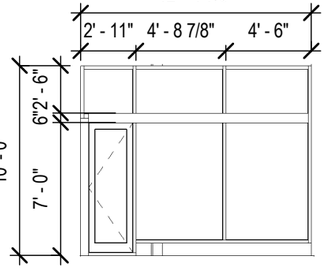

10 S1 1/8" = 1'-0"



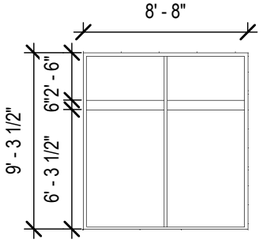

11 S2 1/8" = 1'-0"



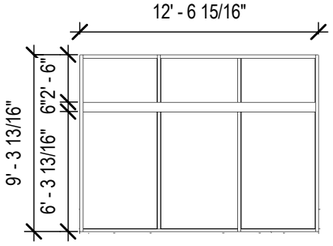

12 S3 1/8" = 1'-0"



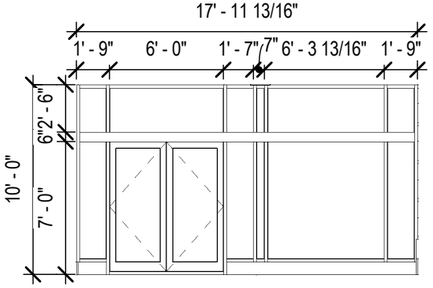

13 S4 1/8" = 1'-0"



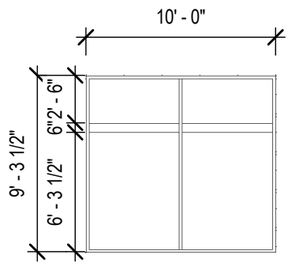

14 S5 1/8" = 1'-0"



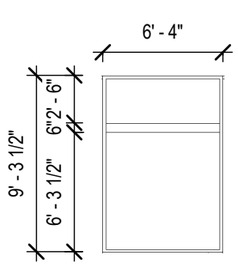

15 S6 1/8" = 1'-0"



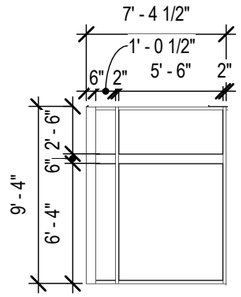

16 S7 1/8" = 1'-0"



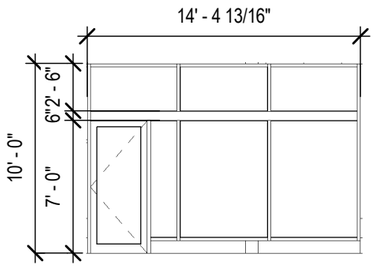

17 S8 1/8" = 1'-0"



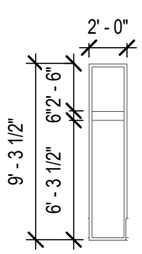

18 S9 1/8" = 1'-0"



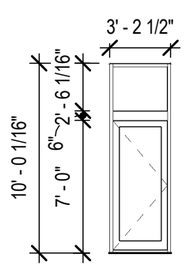

19 S10 1/8" = 1'-0"



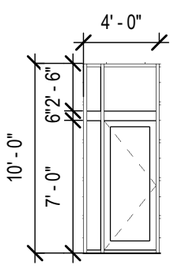

20 S11 1/8" = 1'-0"



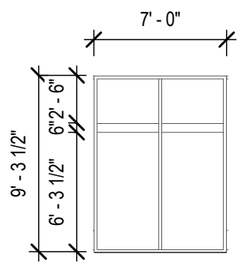

21 S12 1/8" = 1'-0"




22 S13 1/8" = 1'-0"




23 S14 1/8" = 1'-0"




24 S15 1/8" = 1'-0"

JSA
ARCHITECTS
INTERIORS
PLANNERS

# 6.5a WINDOW & STOREFRONT TYPES

LOT 5 at FOUNDRY PLACE

# 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

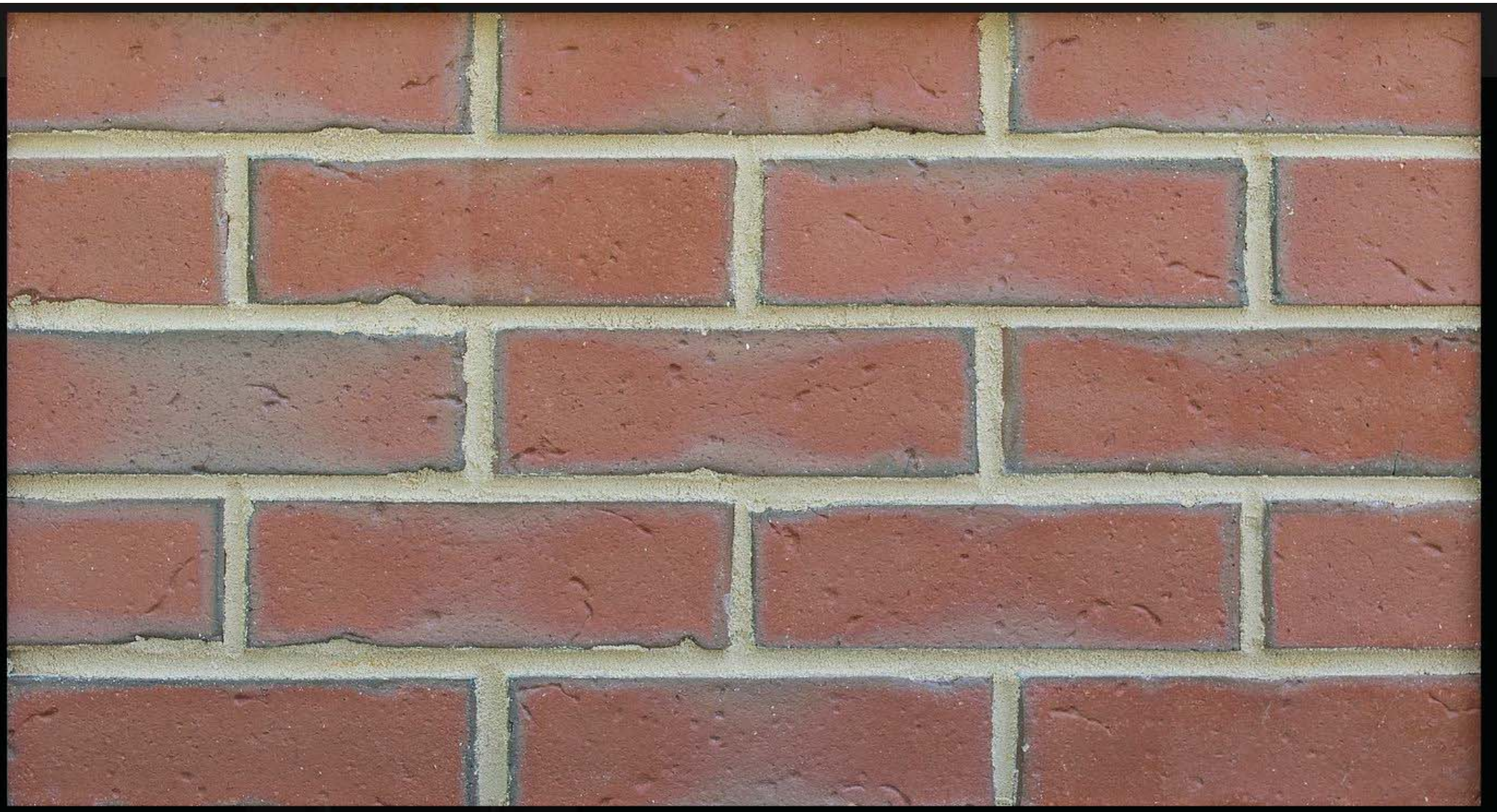


JSA
ARCHITECTS
INTERIORS
PLANNERS

273 Corporate Drive
T 603.436.2551

Portsmouth, NH 03801
www.jsainc.com


| | | | |
|---|---|---|---|
| Project: Lot 5 at Foundry Place | | Project No: 14837.05 | Reference |
| Title: MATERIALS PRODUCT DATA | | Scale: | Reference: |
| | | Drawn By | Sketch No: |
| | | Date: | 7.1a |



Royal River Narrow Flash Range, NB

search our site SEARCH

(207) 539-6035 Connect

MGA CAST STONE



APA CERTIFIED PLANT

TX Active® Photocatalytic Cements

## ARCHITECTURAL PRECAST & CAST STONE

## Our Products - Architectual 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!

© Copyright 2004-2018 MGA Cast Stone, Inc.

# Renaissance®

## Masonry Units

Arriscraft
Building Stone · Brick · Limestone

Olive Rocked & Dressed

# Why Renaissance®?

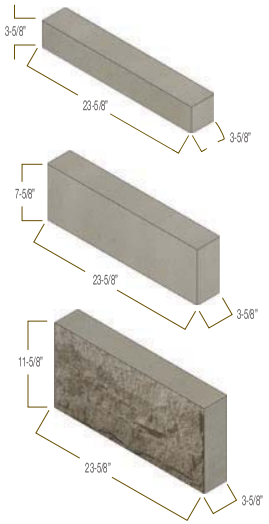
Robert D. Love Downtown YMCA - Wichita, KS | Schaefer Johnson Cox Frey Architecture | Sandrift Sandblasted

> “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.



Arriscraft

PAC-CLAD®

PETERSEN

# 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

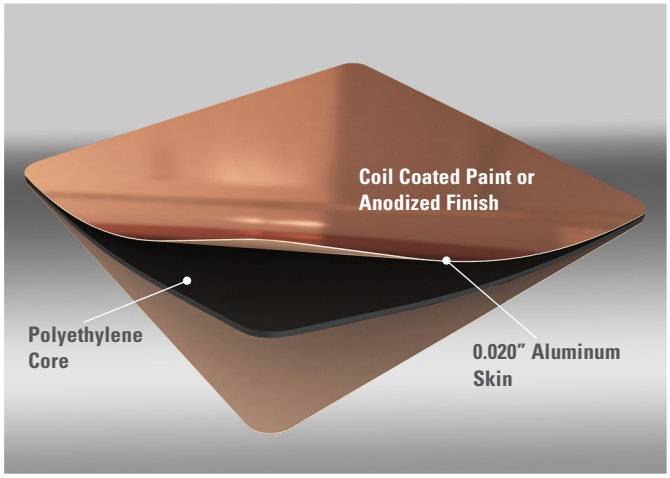
Petersen Aluminum has been a proud partner with Valspar since 1972

## 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

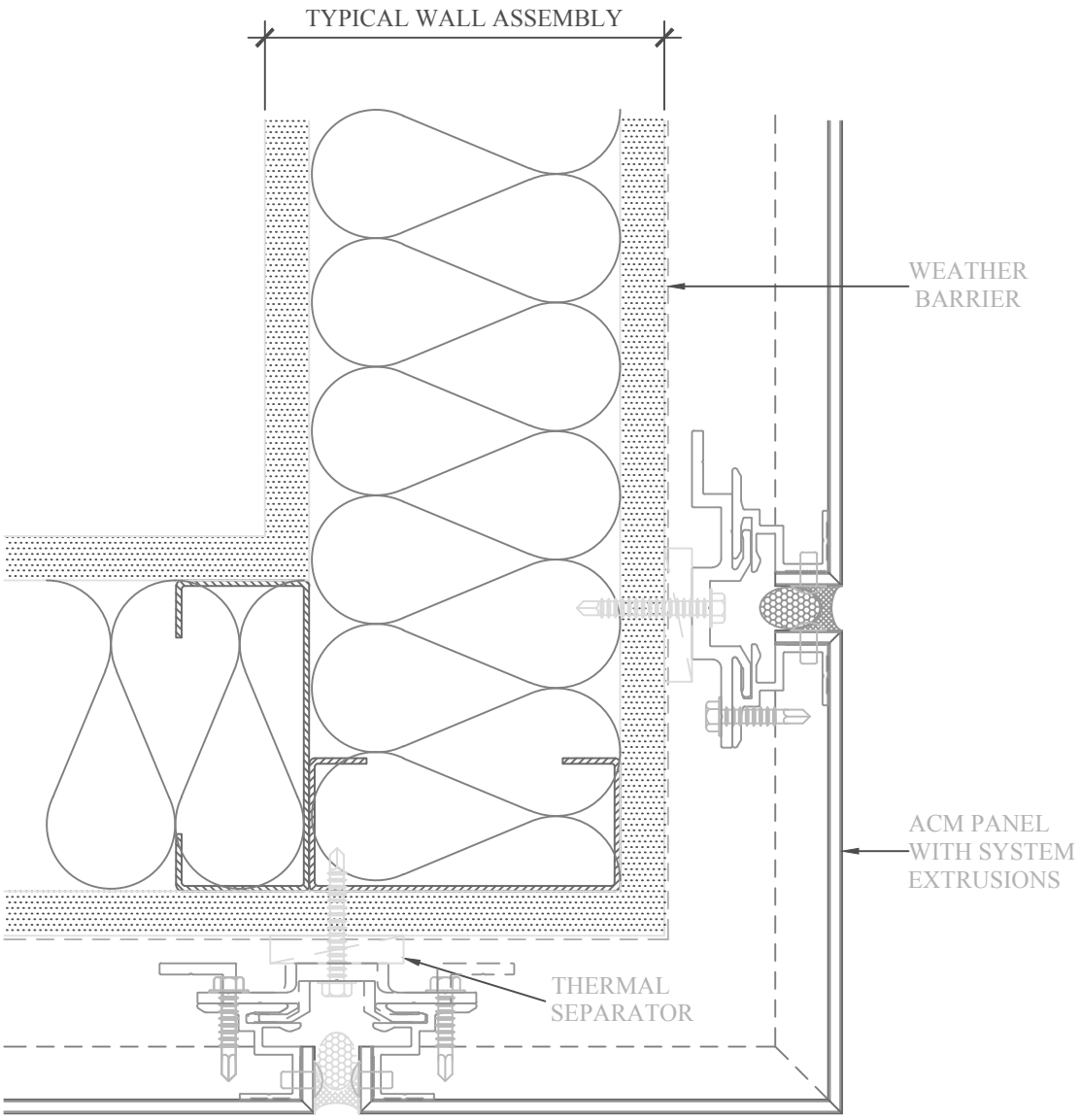
## MANUFACTURING

### 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

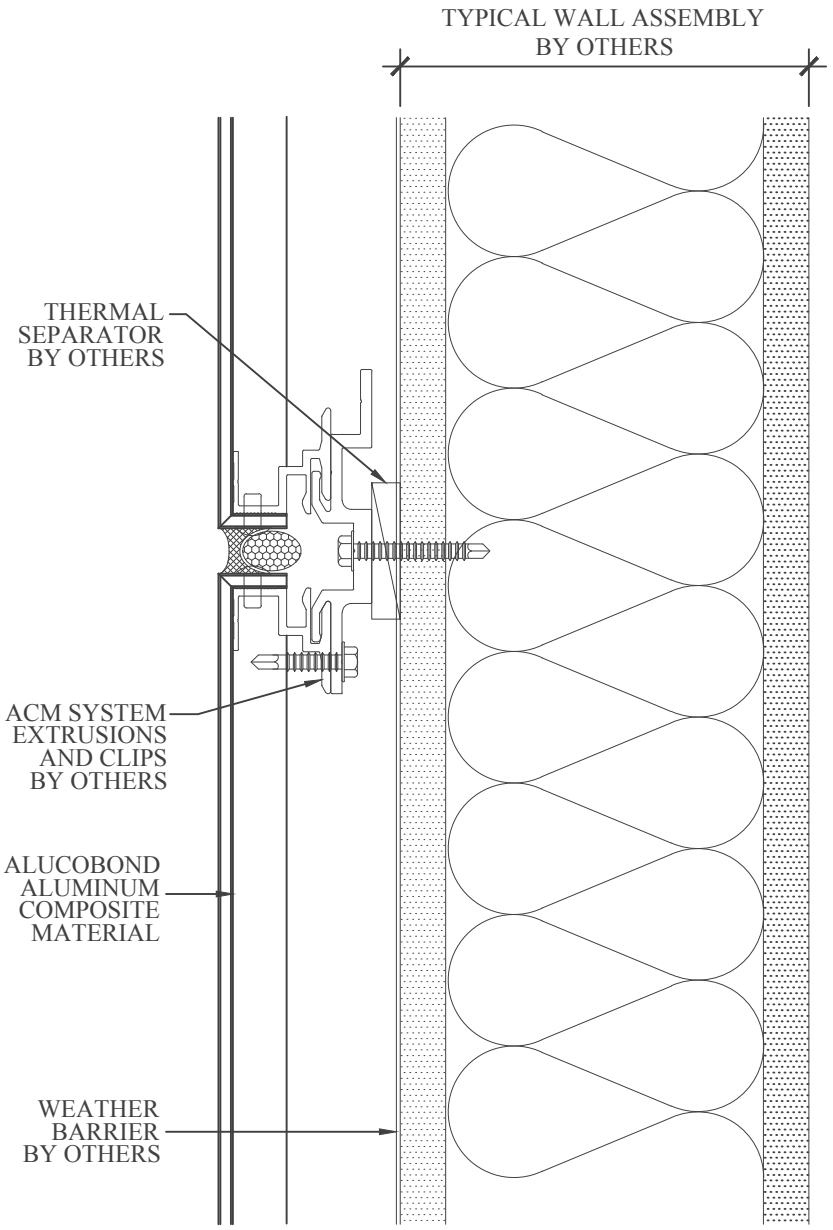
THE NAME SAYS IT ALL

ALUCOBOND®

COMPOSITES

9/13/13

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

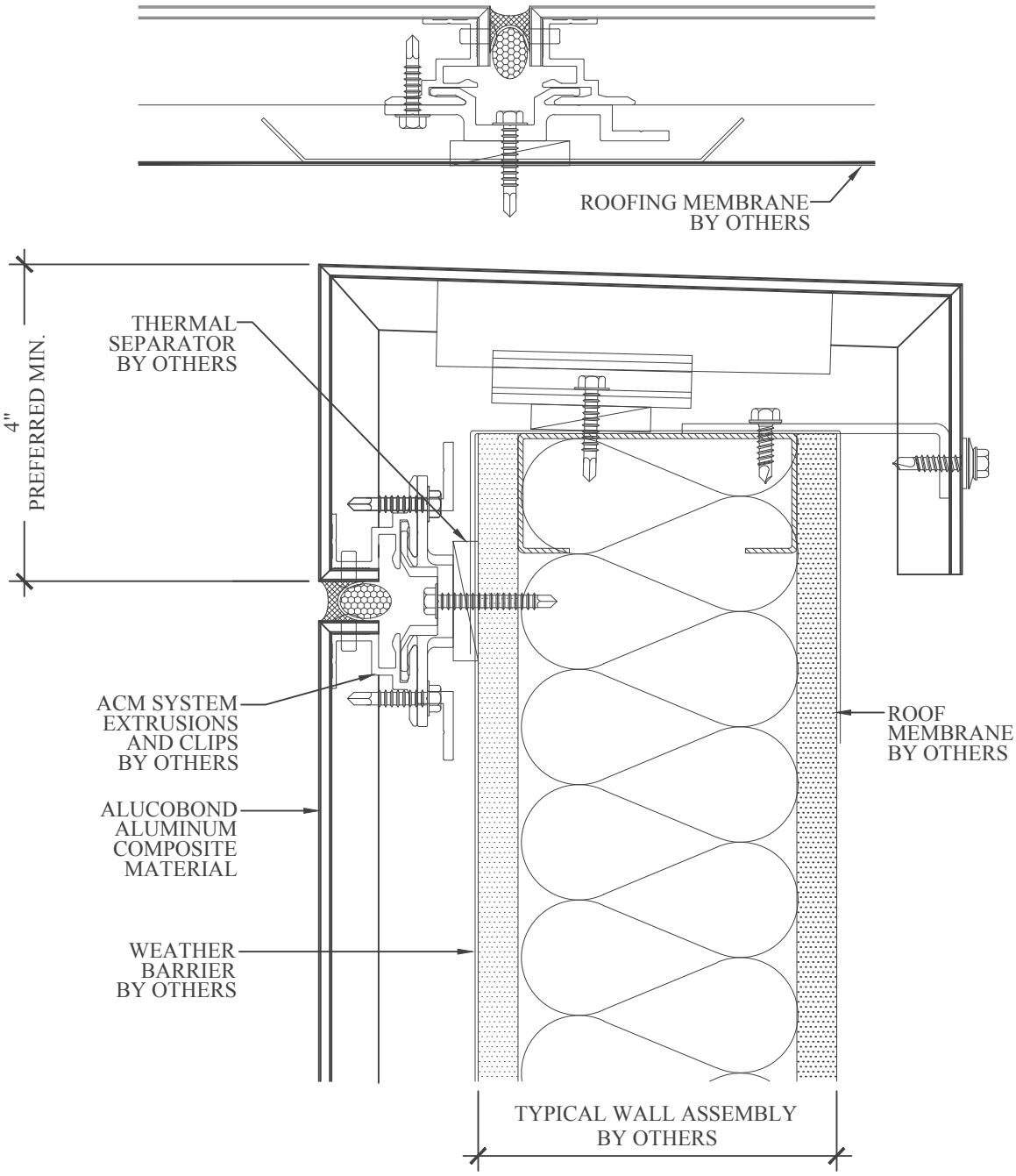
ROUT AND RETURN WET-SEAL

THE NAME SAYS IT ALL®
ALUCOBOND®

3A COMPOSITES

4/26/14

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.




## 1 PARAPET CONDITION DETAIL

NOT TO SCALE

ROUT AND RETURN WET-SEAL

THE NAME SAYS IT ALL®
ALUCOBOND®

3A COMPOSITES

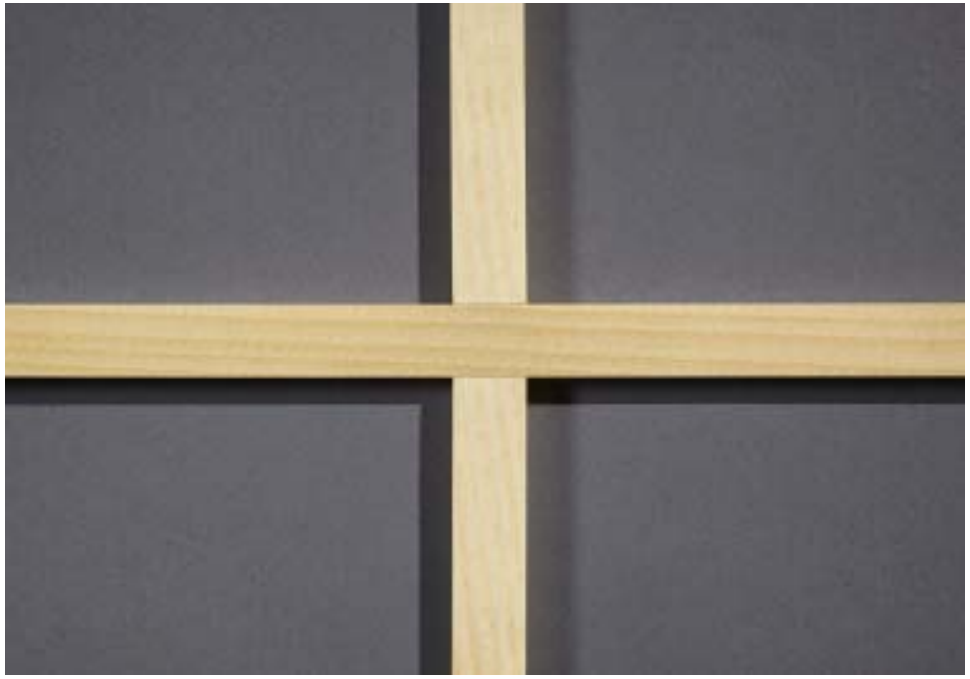
4/26/14

# 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.

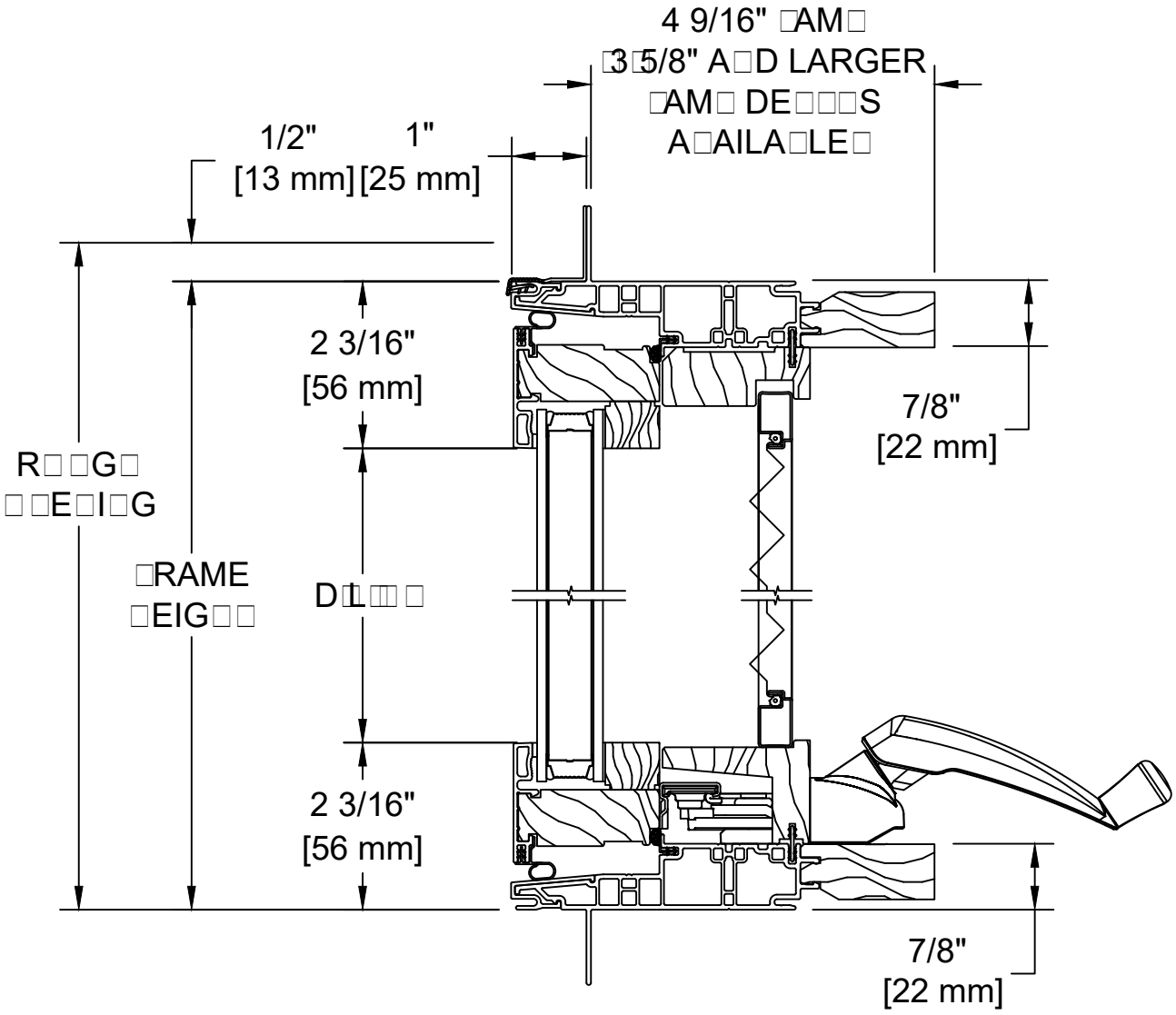
Kolbe - VistaLuxe

Kolbe - VistaLuxe



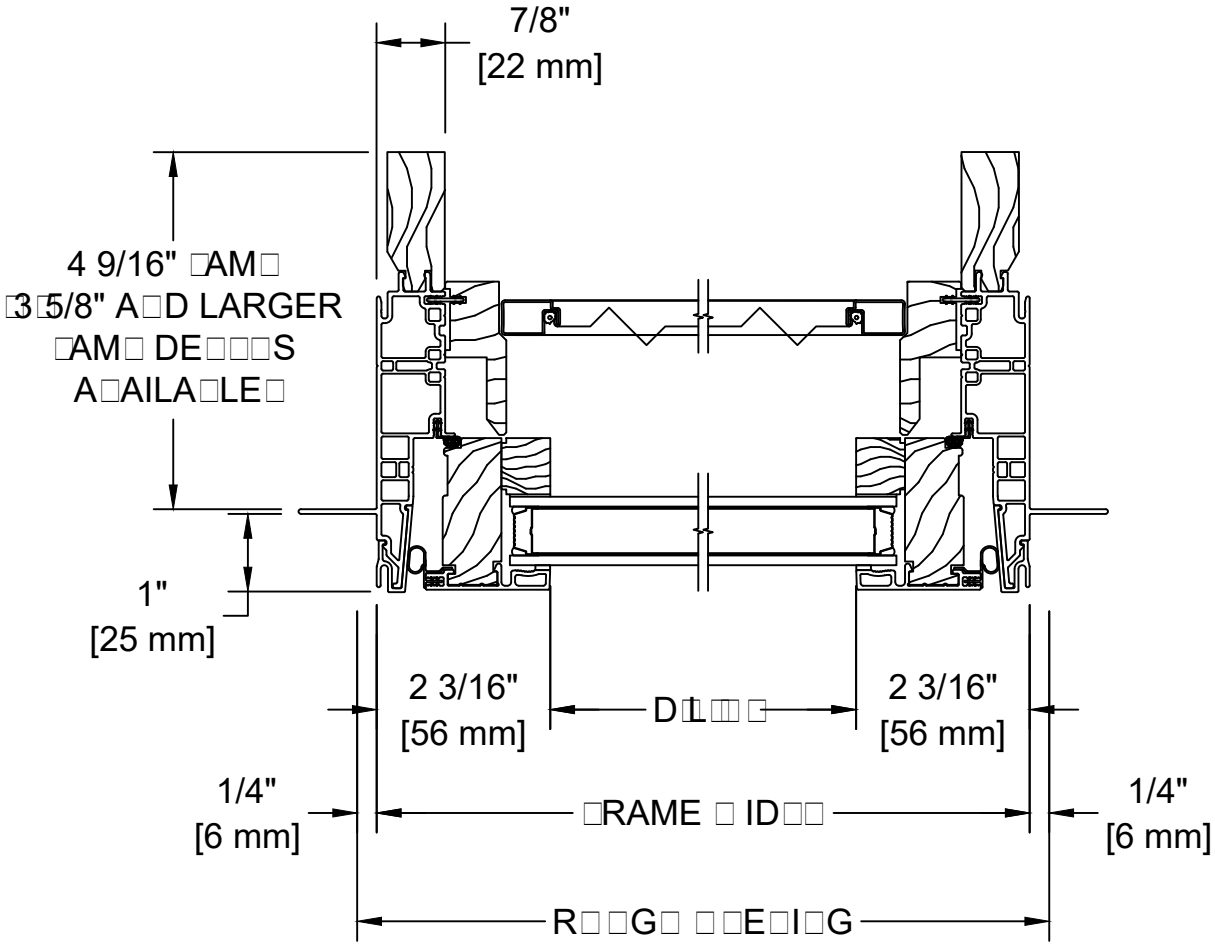
KOLBE WINDOWS & DOORS

VISTALUXE COLLECTION - FLUSH STYLE
CRANK - OUT CASEMENT/AWNING
4-9/16 JAMB - WITH SCREEN
DOUBLE PANE GLASS
VERTICAL CROSS SECTION



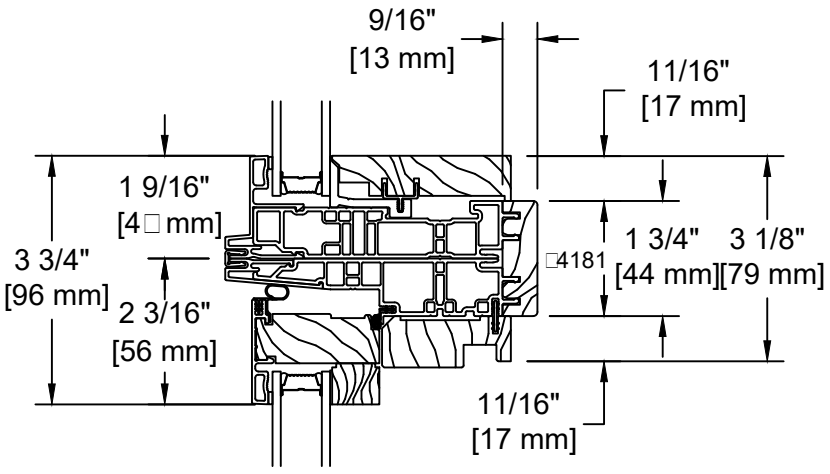
KOLBE WINDOWS & DOORS

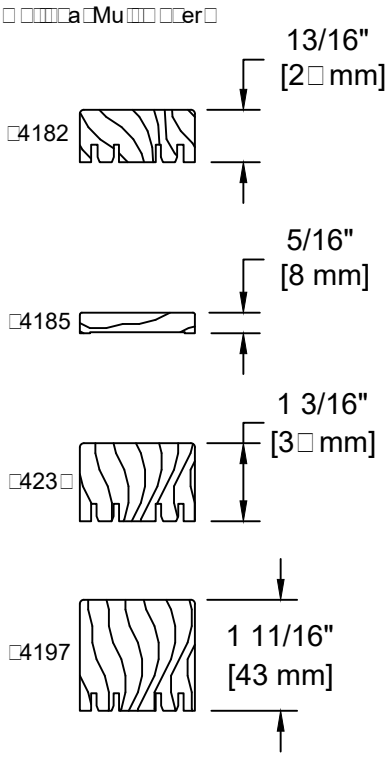
VISTALUXE COLLECTION - FLUSH STYLE
CRANK - OUT CASEMENT/AWNING
4-9/16 JAMB - WITH SCREEN
DOUBLE PANE GLASS
HORIZONTAL CROSS SECTION



KOLBE WINDOWS & DOORS

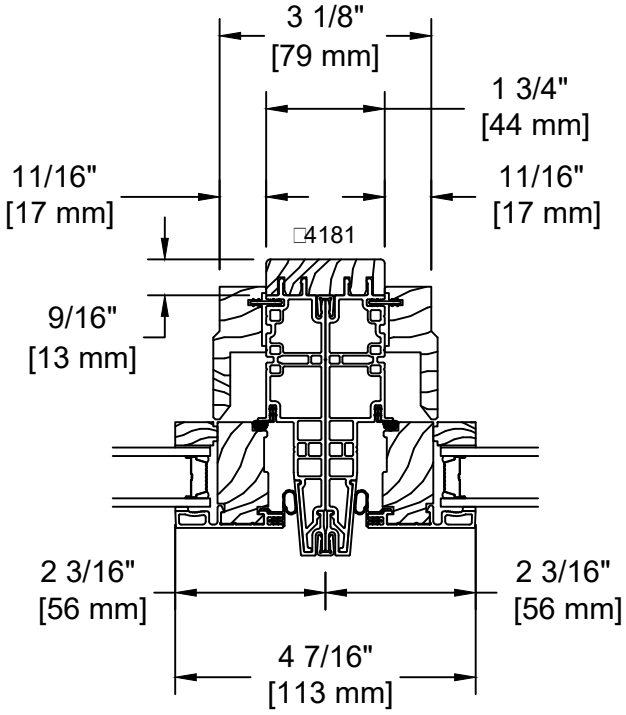
VISTALUXE COLLECTION - ACCENT PLUS STYLE
DIRECT SET
DIRECT SET STACKED OVER CRANK OUT CASEMENT/AWNING
DOUBLE PANE GLASS
STACKING DETAIL

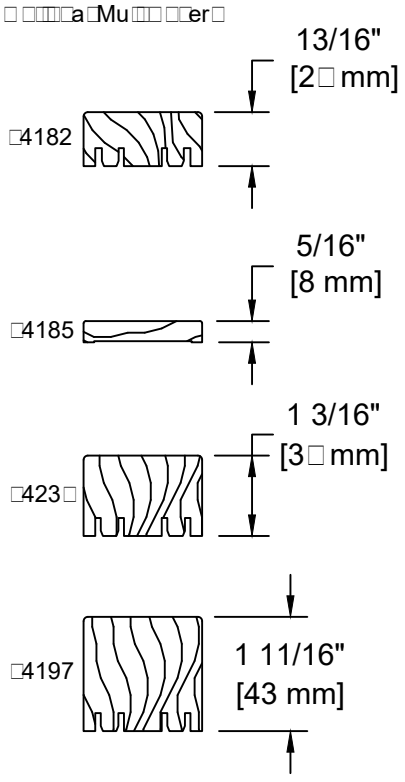


KOLBE WINDOWS & DOORS

VISTALUXE COLLECTION - ACCENT STYLE
CRANK OUT CASEMENT/AWNING
4-9/16 JAMB
DOUBLE PANE GLASS
MULLING DETAIL

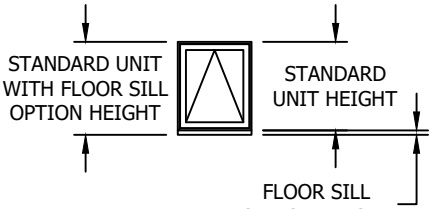


KOLBE WINDOWS & DOORS

VISTALUXE COLLECTION
CRANK-OUT AWNINGS - 1'-8" TO 3'-6" WIDTHS
ELEVATION CHART

| F.S. | R.O. | S.O. | G.S. | 1'-8" | 2'-0" | 2'-4" | 2'-6" | 2'-8" | 3'-0" | 3'-6" |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 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" |
| | | | | 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" |
| | | | | 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" | | | | | | | |

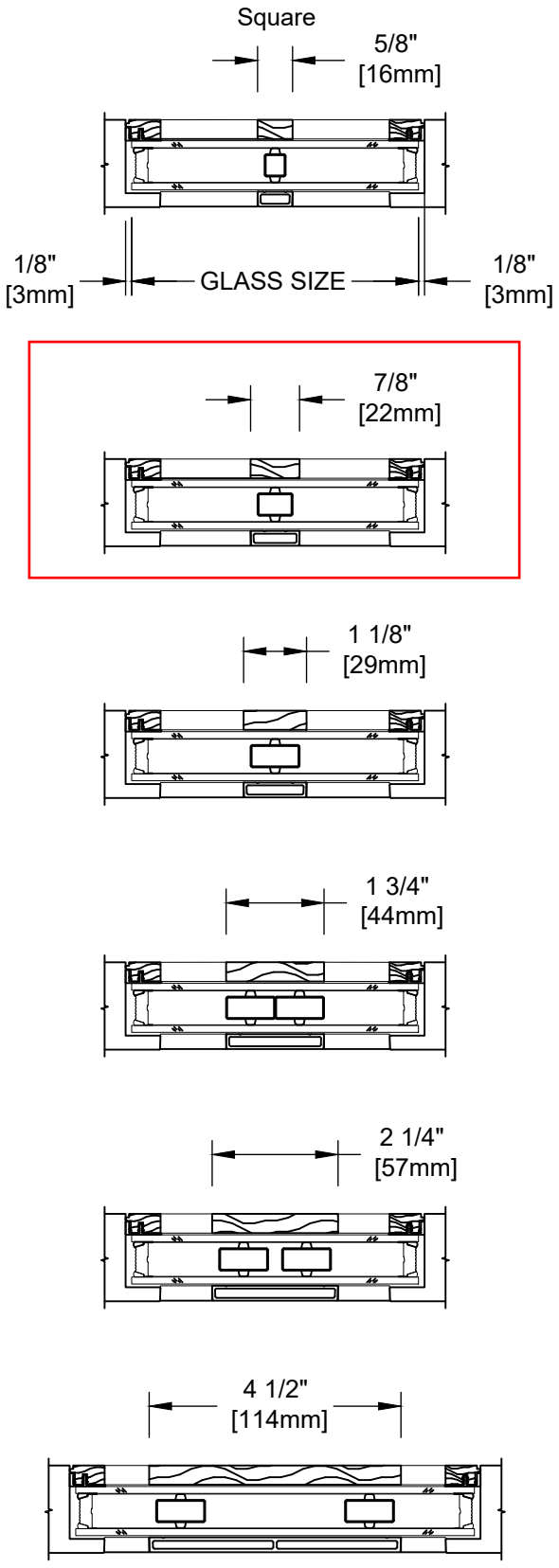



WHEN FLOOR SILL OPTION IS SELECTED, OVERALL FRAME HEIGHT AND ROUGH OPENING WILL INCREASE BY;

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 (31/32")

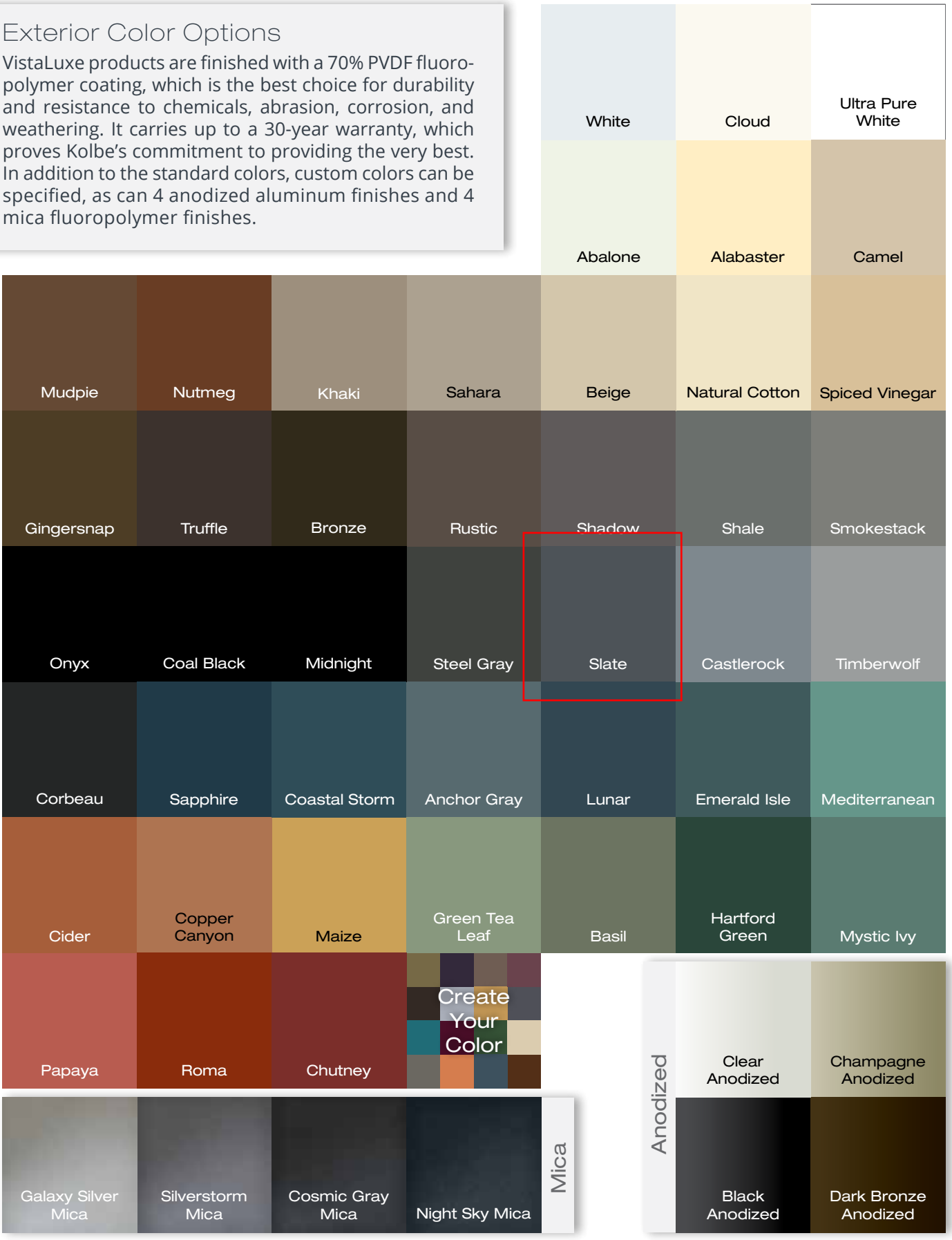
KOLBE WINDOWS & DOORS

VISTALUXE COLLECTION
ALL VISTALUXE COLLECTION PRODUCTS
PERFORMANCE DIVIDED LITES
DOUBLE PANE GLASS



## 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

# Ultimate views.

CONTEMPORARY

## Seals tight and locks easily.

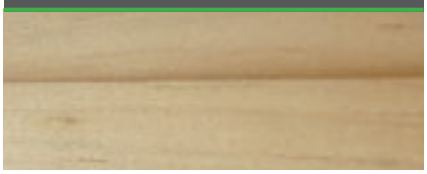
Architect Series® casement windows feature the SureLock® System that reaches out to pull the window sash against the weatherstripping to form a tight seal against drafts, making them more energy-efficient. Plus, Pella's patented Unison Lock System secures casement and awning windows in two places with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

EnduraGuard® Wood Protection

## Lasting beauty.

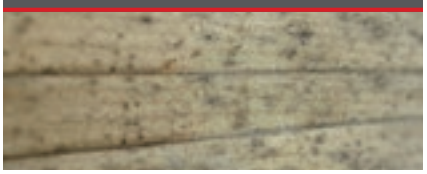
EnduraGuard® wood protection offers advanced protection against the effects of moisture, decay, stains from mold and mildew – as well as termite damage. This proven immersion-treatment method will help ensure that Pella® wood windows and patio doors look and perform beautifully for years.

Pella EnduraGuard wood protection.



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

Competitor's pressure-treated wood.



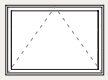
Stain mold present after 7 months of field-testing a competitor's pressure-treated wood.*

Pella — LIMITED — LIFETIME WARRANTY

## 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.

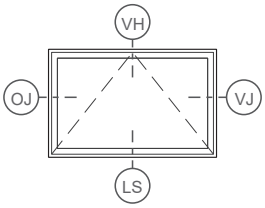


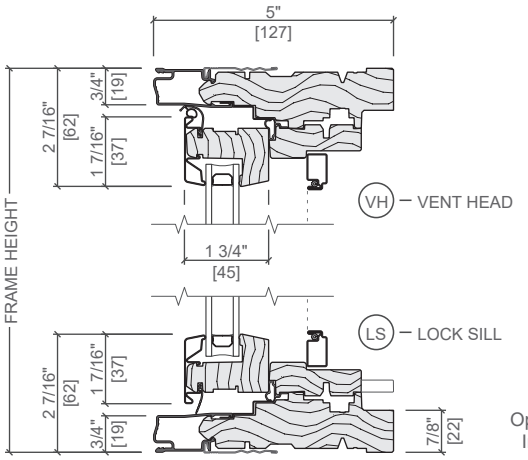
AWNING

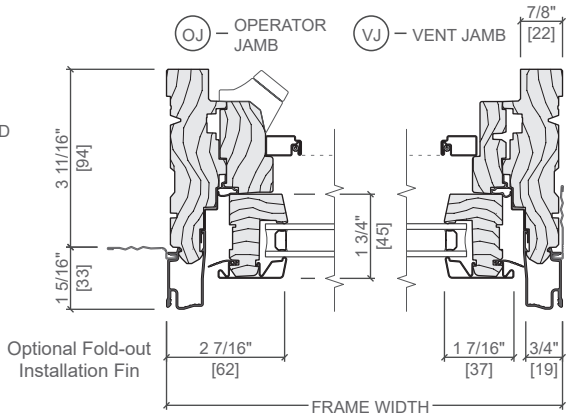
# UNIT SECTIONS

Aluminum-Clad Exterior

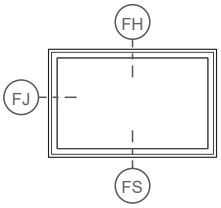
## VENT

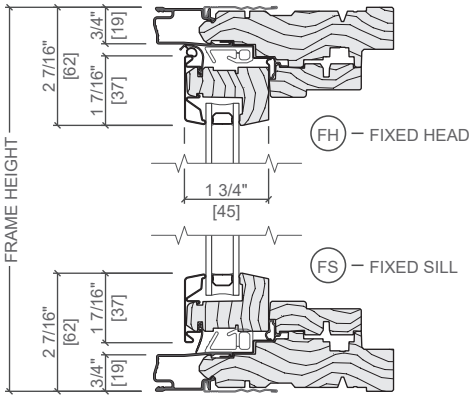


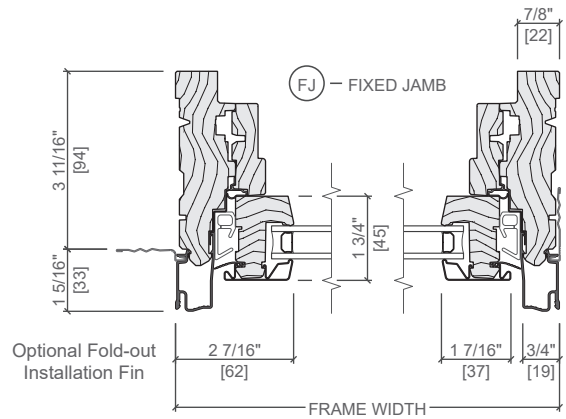



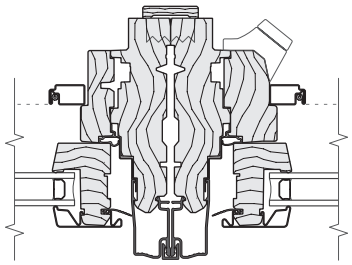

## FIXED



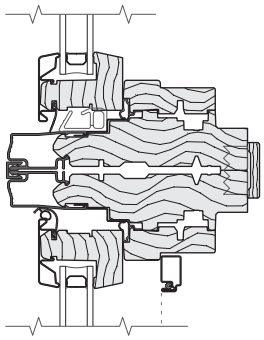



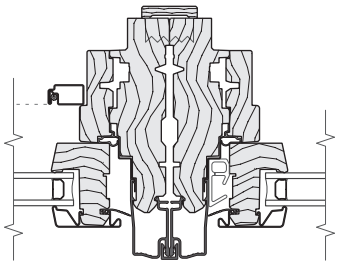

## TYPICAL JOINING MULLIONS



VERTICAL JOINING MULLION
VENT / VENT

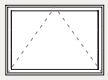


HORIZONTAL JOINING MULLION
TRANSOM / VENT



VERTICAL JOINING MULLION
VENT / FIXED

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



AWNING

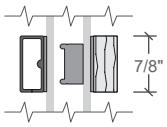
# GRILLE TYPES

Typical Grille Profiles

## GRILLE PROFILES

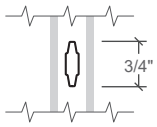
Contemporary Style Collection
Integral Light Technology ®

Square Grille
Clad Exterior - Wood Interior

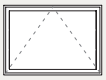



7/8" ILT

Contoured Aluminum -
Grilles-Between-the-Glass




3/4" Contoured
GBG



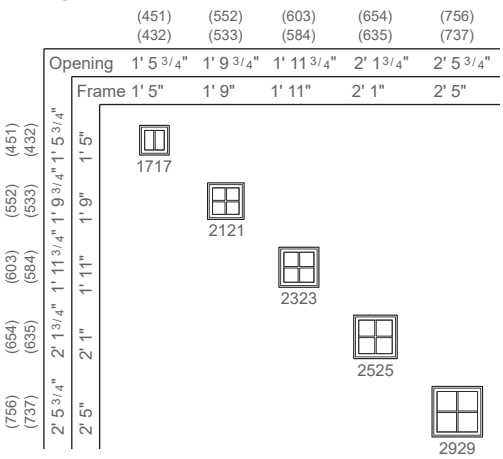
AWNING

# SIZE TABLES

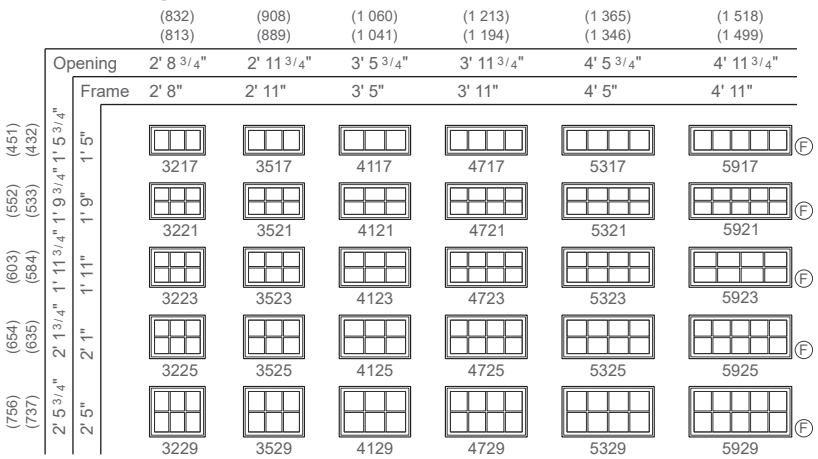
Aluminum-Clad Exteriors

Standard Awning

## Vent Units




## Vent and Fixed Units

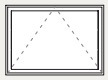



## Special Size Frame Dimensions*

| | 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

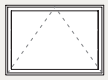
# PRODUCT SELECTION GUIDE

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 SYSTEM [1]

- 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] [stain [2]]].

## 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] [stain [2]]].
  - 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-Glass [2]
  - 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] [Tan [4]] [Brown [4]] [Putty [4]] [Ivory] [Brickstone] [Harvest] [Cordovan].
  - Exterior color [5] is [Standard [2]].

**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**

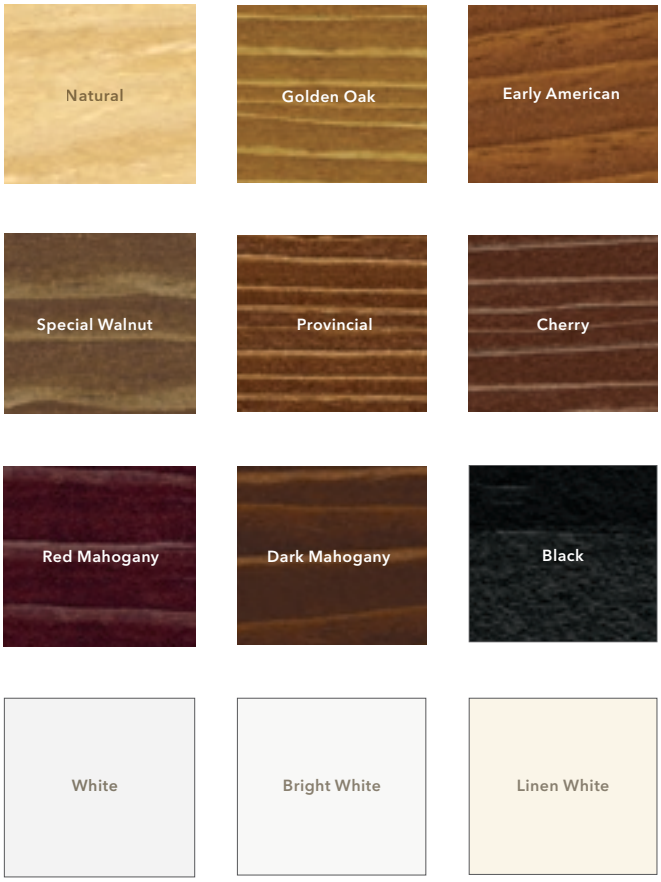
- Optional factory applied limited opening hardware available for vent units in stainless steel; nominal 3" opening.

(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.

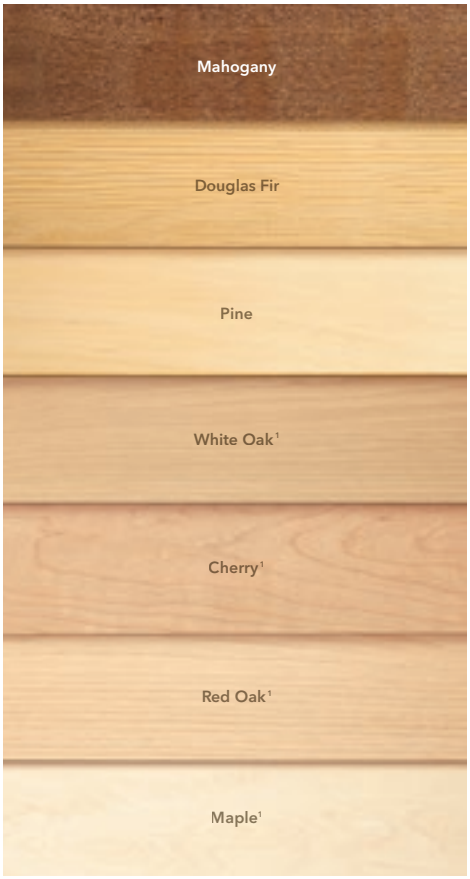
## PREFINISHED PINE INTERIORS

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 Plus[2] 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<br>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<br>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 |

© Copyright 2015 EFCO Corporation 05/15

1000 COUNTY RD • MONETT, MO 65708 • 800.221.4169 • efcocorp.com

# 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.

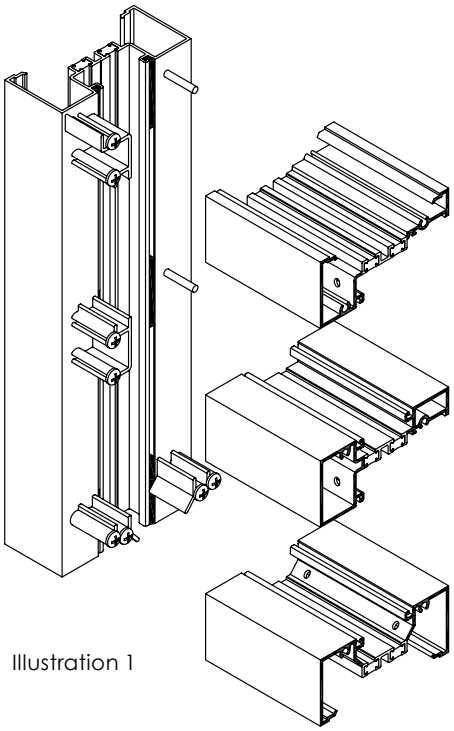


Illustration 1

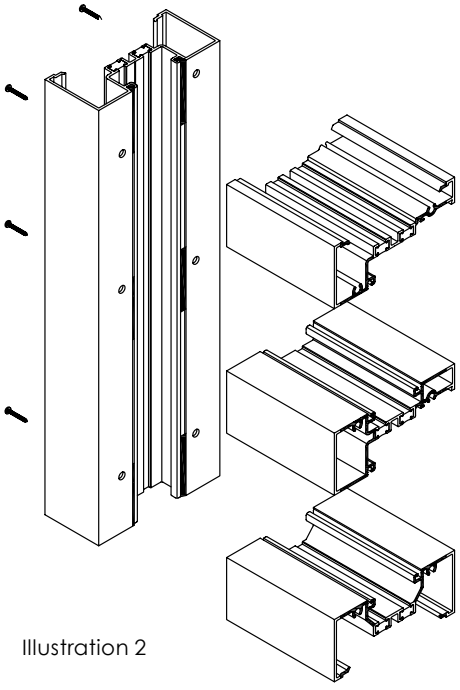
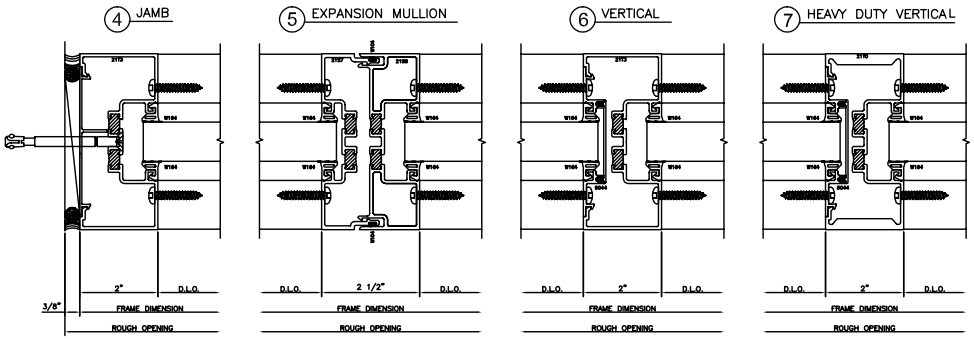


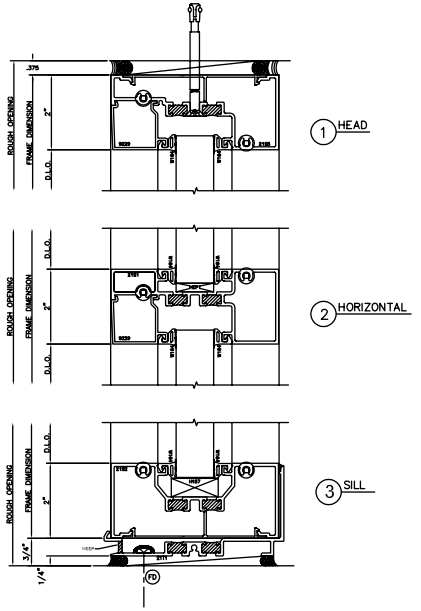
Illustration 2

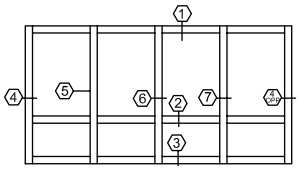
© Copyright 2015 EFCO Corporation 05/15

© Copyright 2015 EFCO Corporation 05/15

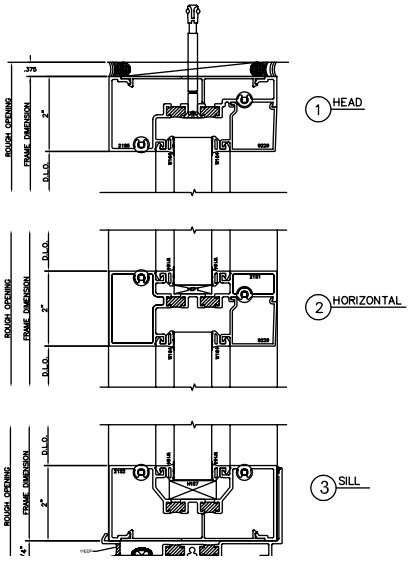
## 403X Screw Spline Outside Glazed Stops Down

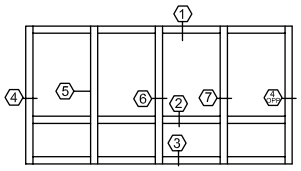


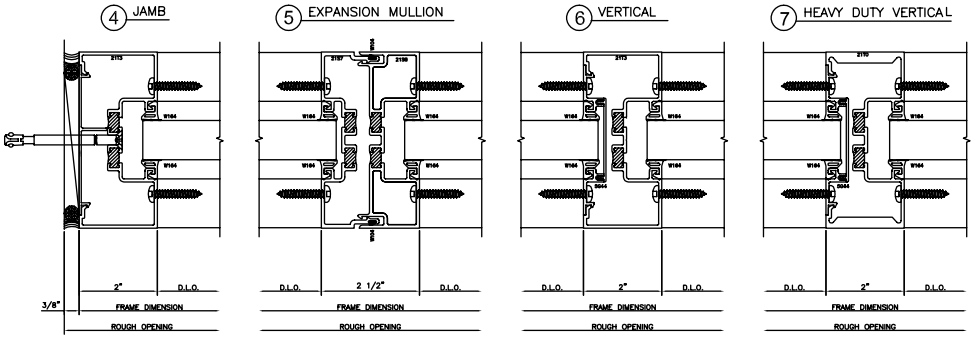




## 403X Screw Spline Inside Glazed



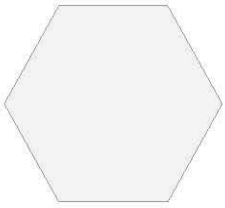



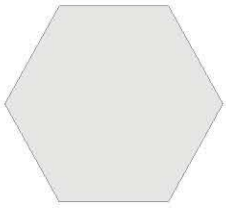



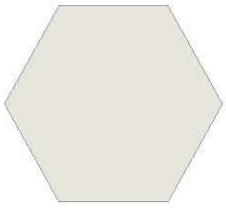
# COATINGS FINISHES COLORS

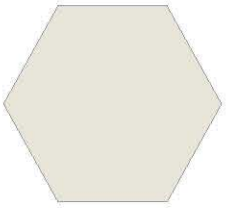
## ULTRAPON (70% PVDF)

### STANDARD

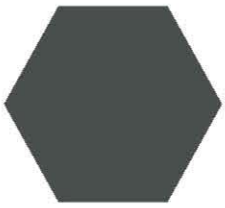

Bone White

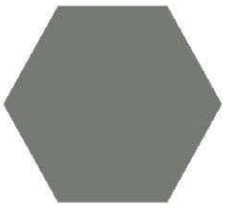

White

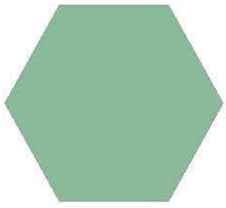

Antique White

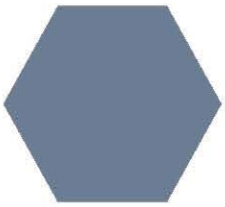

Herring Bone

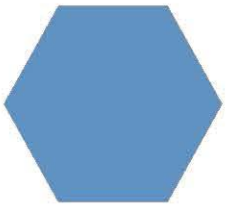
Mesa Brown

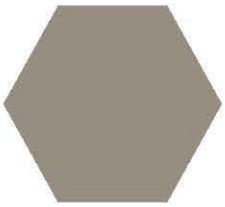

Mineral Brown

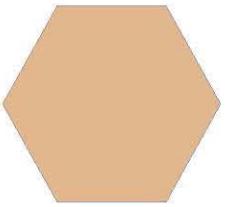

Gray


Aged Copper

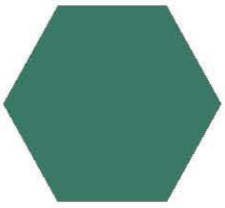

Legacy Blue

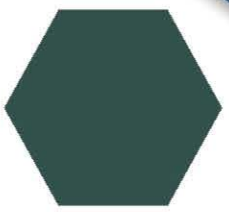

Denim Blue

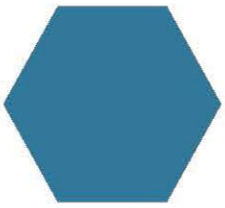

Light Brown

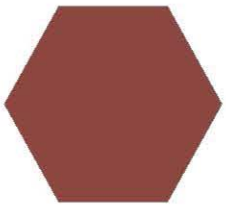

Pueblo Tan

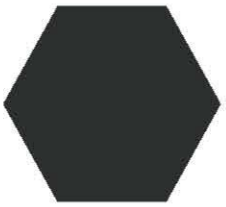
### FEATURED


Ivy


Hartford Green

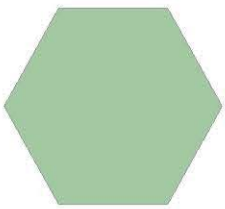

Blue Sky

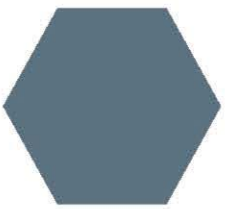

Brick Red

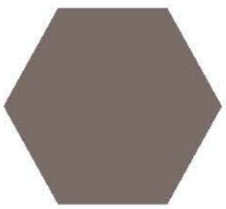

Black

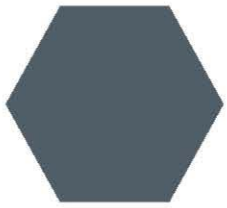
## ULTRA-ESCENT II (70% PVDF MICA*)

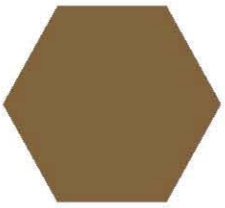
### STANDARD


Weathered Copper

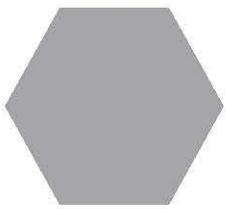

Slate

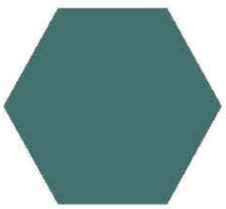

Raw Sienna

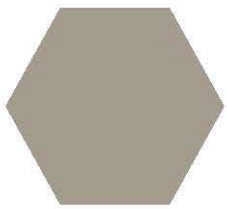

Gun Barrel

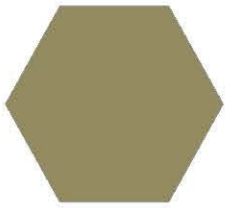

Saddle Bronze

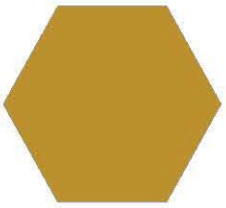
### FEATURED


Warm Silver


Sea Spray

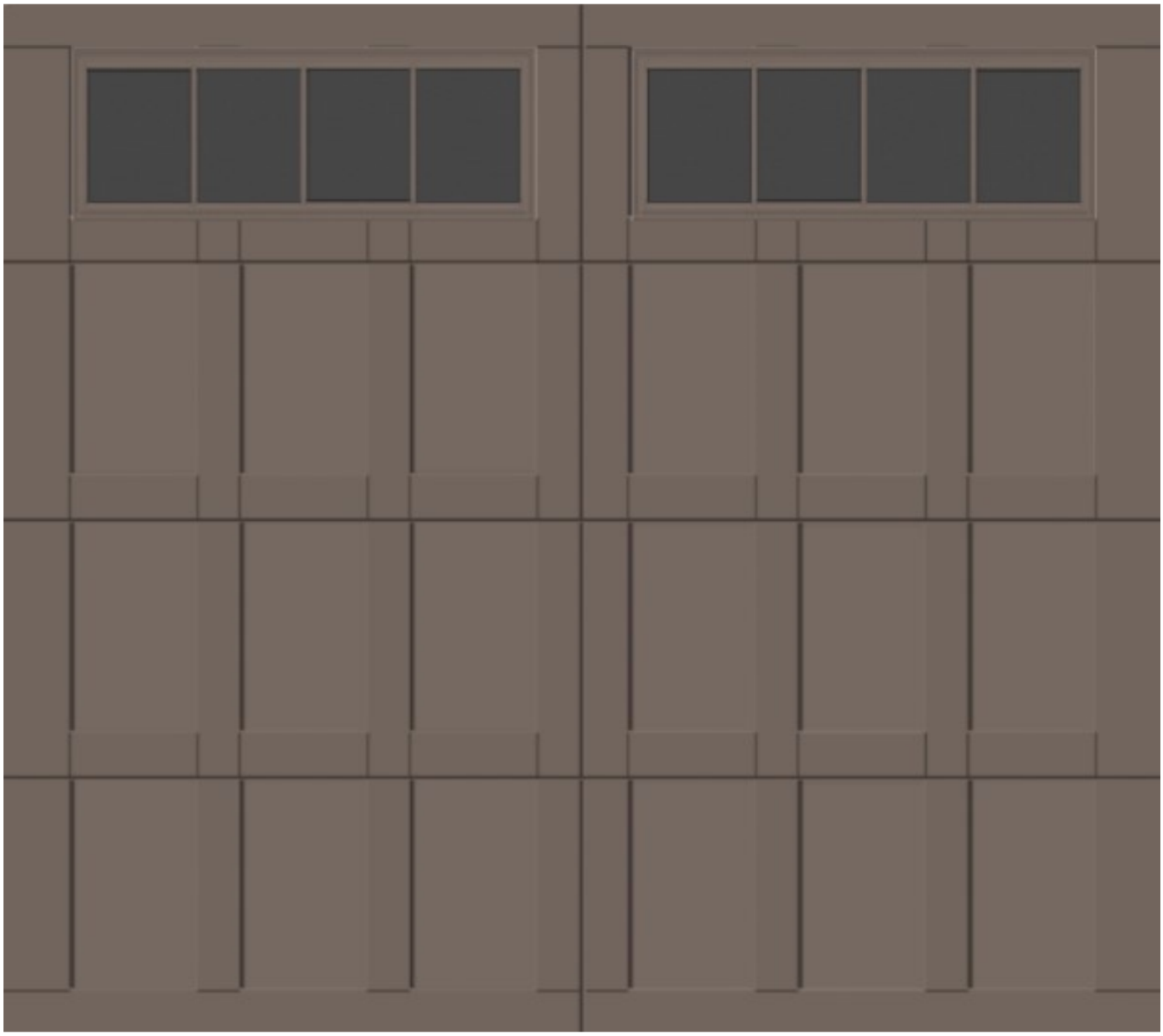

Asti


Champagne

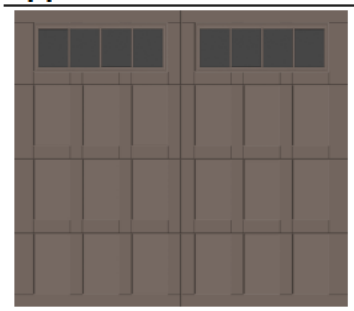

Aztec Gold

[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.

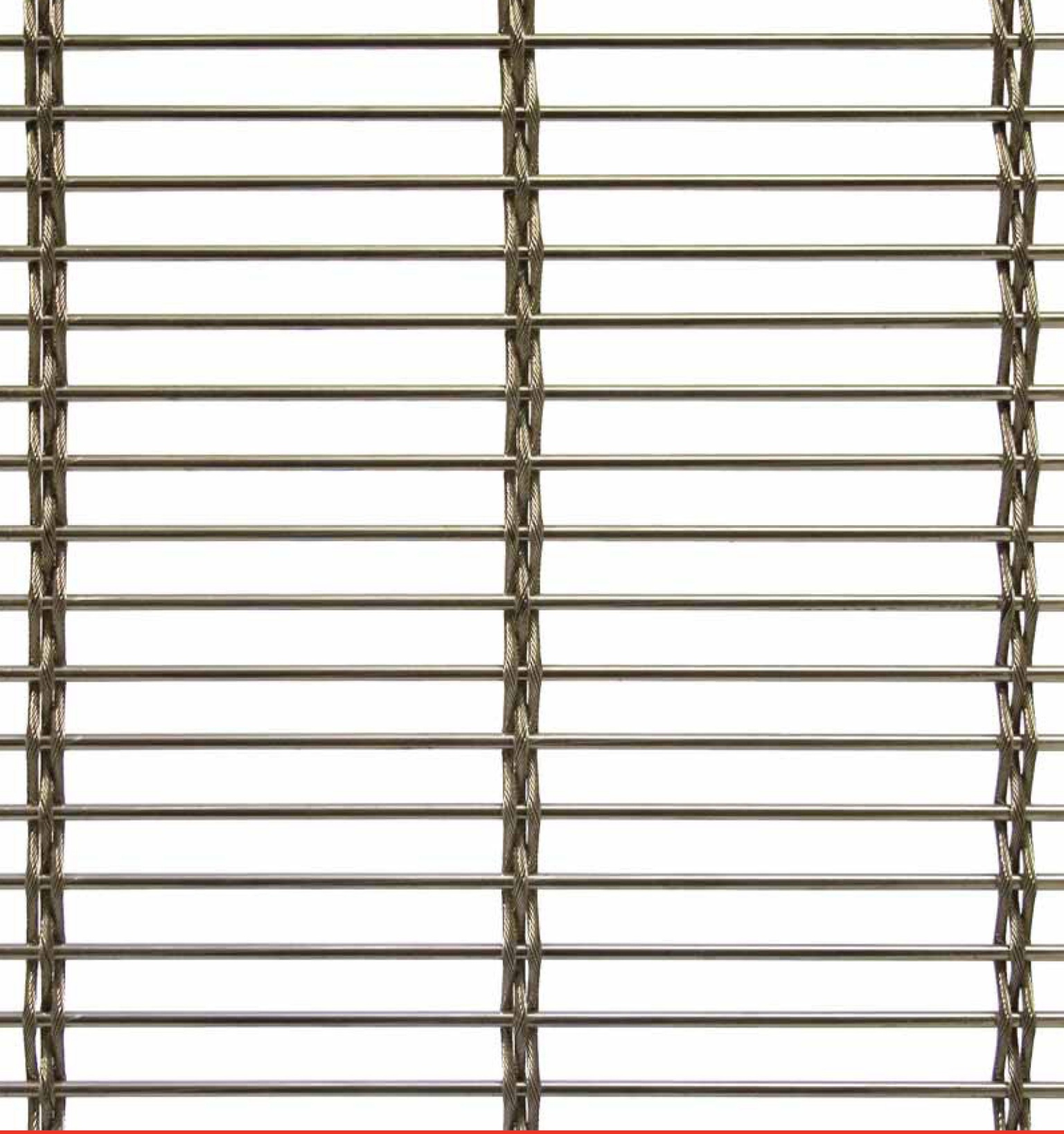
DoorView



## 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

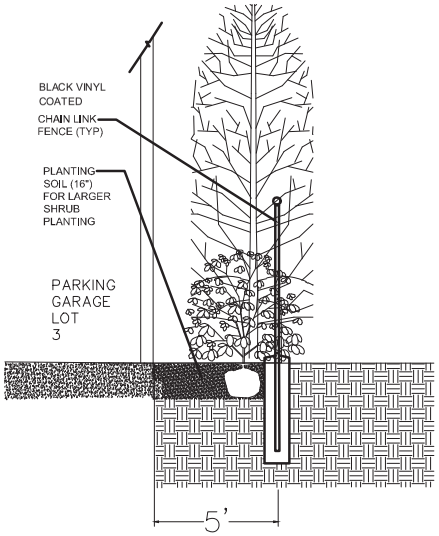
| Flexible | |
|---|---|
| Material | Stainless Steel |
| Open Area | 65% |
| Weight | 1.8 lb/ft$^2$<br>8.79 kg/m$^2$ |
| Maximum Width | 240” (6.1 m) |

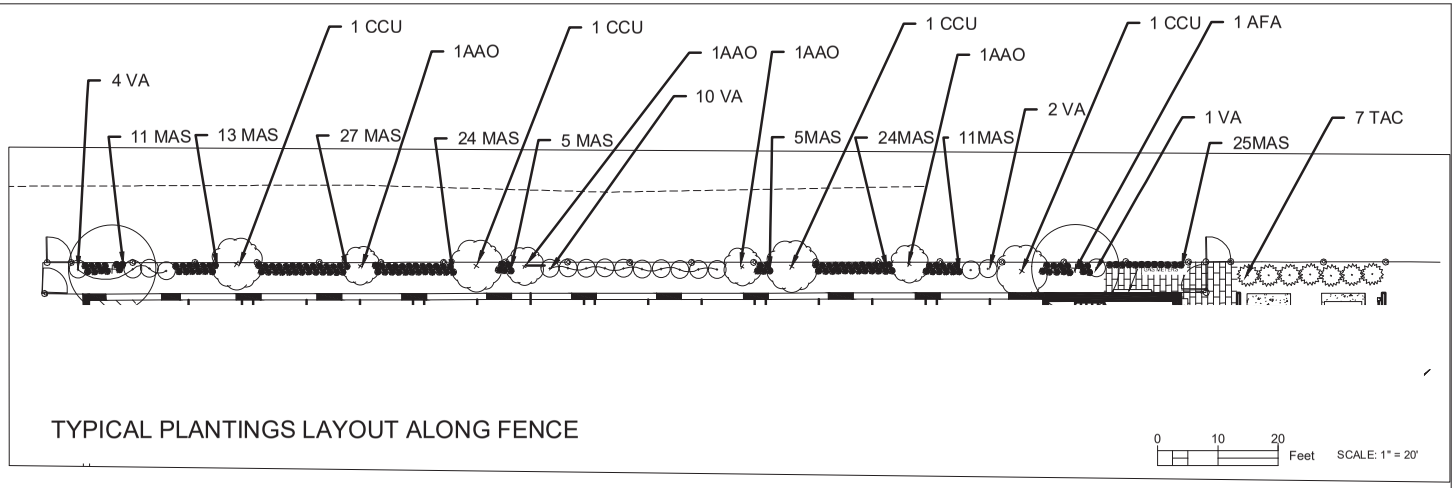
| Attachments |
|---|
| Eclipse™ |
| Scroll™ |
| Velocity™ |

CAMBRIDGE ARCHITECTURAL

WWW.CAMBRIDGEARCHITECTURAL.COM
TOLL FREE 866 806 2385

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



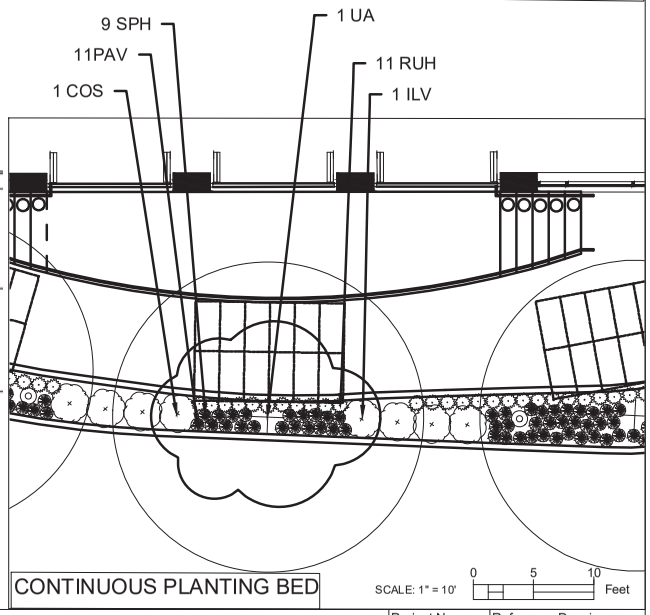




TYPICAL PLANTINGS LAYOUT ALONG FENCE

LOT 3 EDITS

| Symbol | Scientific Name | Common Name | Size | Spacing | Mature Height | Crown Spread | Growth Habit | Notes |
|---|---|---|---|---|---|---|---|---|
| *Trees* | | | | | | | | |
| AFA | ACER 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' | Firespire™ American hornbeam | #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 'Artic Fire' | Dogwood, Artic-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 Sprte' | 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 vibernum | #2 cont. | see plan | 6' | 6' | clump | Native to eastern North America. Very shade tolarant, exquisite fall color |
| *Perennials* | | | | | | | | |
| MAS | Matteuccia struthiopteris | Ostrich Fern | 3" pot | 18" o.c. | 36-60" | 5' | Vase | Native to New england, shade loving, large dramatic shape |
| PAV | PANICUM virgatum ' Shenandoah' | Switch Grass | #2 cont. | 18" o.c. | 3-4' | 2-3' | Upright | Green leaves in early summer turning to dark red |
| RUH | RUDBECKIA hirta | Black-eyed Susan | #2 cont. | 18" o.c. | 2-3' | 1-2' | Clump | A showy wildflower |
| SPH | SPOROBOLUS heterolepis | Prairie Dropseed | #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 plating bed in front of LOT 3




CONTINUOUS PLANTING BED

Deer Street Associates

JSA ARCHITECTS INTERIORS PLANNERS

GEOINSIGHT, INC.

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

Project:

LOT 4 - FENCE DETAILS &
Planting Plan

| | |
|---|---|
| Project No. 14837.02 | Reference Drawing: |
| Scale: As noted | |
| Drawn By: Sage Sluter | Sketch No: SK-L.2 |
| Date: 1/16/2018 | |

COPYRIGHT © 2018

C:\Users\tkozak\Documents\2016 - 837.02 - Deer St. Lot 3 Hotel - CENTRAL - CURRENT 2017-09-11_tkozak.rvt
1/11/2018 10:05:56 AM

- 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

Search this Site

Model Name or Product Code in ( )

Search

## Agents Login

Username:

Password:

Login

• Forgot Login Details

**Eclipse Lighting Inc.**

9245 W. Ivanhoe

Schiller Park, IL 60176

PH: (847) 260-0333

FX: (847) 260-0344

quotes@eclipselightinginc.com

**Sign up for Email Updates!**

Sign up to get product information and updates delivered to your inbox.

Email Address

First Name

Sign Up

Trouble Signing Up? Click Here

See our Email Privacy Policy



### Product Specifications:

- Galileo Basic T Thor (TH) Series
- Triangular Diffuser
- No Perfex or Shield
- 6 Bar Configuration - 4 Horizonatal 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

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

# Thor · Triton · Viking

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

| | | |
|---|---|---|
| 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.

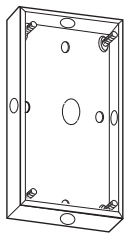
**THOR**
**L – XL3**

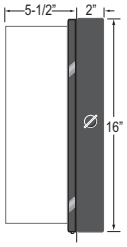
**TRITON**
**L – XL3**

**VIKING**
**L – XL3**

MADE IN USA

**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** | | **8¼" x 13¼" x 4"** | **8¼" x 16" x 5½"** | **9¼" x 21" x 5½"** | **12¼" x 26¼" x 7¼"** | **14" x 41" x 8½"** |
| **Light Emitting Diode** | **LED** | 15w | 15w | 15/30w | 40/60w | 60w |
| **Light Emitting Diode[4][8] 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 |
|---|---|---|---|---|---|---|
| | | | | | | |

**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

ECLIPSE™ LIGHTING

9245 W. Ivanhoe St. I Schiller Park, IL 60176
P: 847-260-0333 I F:847-260-0344 I E: quotes@eclipselightinginc.com I W: eclipselightinginc.com

© 2018 Eclipse Lighting Inc.

# Thor · Triton · Viking

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

**OPTIONS**

**9002** = Tamperproof Screwdriver
**9206** = Photocell 120V ❷
**9221** = Photocell 277V ❷
**9328** = Universal Photocell 120/277V ❷
**ATBS** = Aluminum Top & Bottom Shield (No Light)
**BB** = Backbox (2" depth), Included where lamping shown with **note#**❷
**CM** = Ceiling Mount❻
**CR** = Custom Requirements
**CTB** = Clear Top & Bottom (Standard with Up/Downlight)
**FUS** = Single Fusing
**DFUS** = Double Fusing
**GTD** = Generator Transfer Device (Bodine)❷
**GV** = Gravura Custom Engraving (Consult Factory)
**HM** = Horizontal Mount❻
**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 External❷—Single circuit-all on, all off Specify Finish: White (WH)/Bronze (BZ)
**MSE2** = Motion Sensor External❷—Dual circuit, half on half off Specify Finish: White (WH)/Bronze (BZ)
**MSI1** = Motion Sensor Integral⓴ *(Microwave)* —Single Circuit:-OFF / ALL-ON
**MSI2** = Motion Sensor Integral⓴ *(Microwave)* —Single Circuit: HALF-ON / ALL-ON

**EMERGENCY OPTIONS❸㉟**

***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:**

❶ Consult Factory with requests regarding lamp sources including LED, color temp, wattages or voltages not shown.
❷ Backbox (BB) Required (*where text bold and note#❷ shown)*
❸ Consult Factory for additional Emergency Battery options not shown
❻ Consult Factory: May Require Lower Wattage or Backbox
⓴ Max mounting height of fixture is 10' (10 feet)
㊽ Clear Top and Bottom (CTB) is Standard with Uplight and/or Downlight (UP/DN)
㊷ Consult Factory for other Voltage.
㊸ Battery Available as Integral or Remote - Specify REL for Remote option (ie. EL1 = Integral; REL1 = Remote)
㉟ Due to form and fit, final selection of the Battery Pack under discretion of Factory


© 2018 Eclipse Lighting Inc.