Hoefle, Phoenix, Gormley & Roberts, P.A.

ATTORNEYS AT LAW

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



October 15, 2018

HAND DELIVERED

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

Re:

Deer Street Associates, LLC ("DSA")

First Request for extension of 2/14/18 Historic District Commission ("HDC")

Lot 4, 163 Deer Street Tax Map 125, Lot 17-2

Dear Mr. Lombardi & Historic District Commission members:

The Historic District Commission granted approval for DSA's Lot 4 improvements on February 14, 2018. A copy of the approval is attached.

The approval expires on February 14, 2019. As you know, Lot 4 is one of a five lot overall development plan along Foundry Place (a/k/a Deer Street) by Deer Street Associates and related entities. Although Lot 4 HDC approval was granted, DSA is still involved with overall project design issues and other Board/Commission review of Lot 5 and Lots 3 and 6 (outside of the Historical District).

Due to the foregoing, Lot 4 will not have a building permit, nor be substantially under construction as of the February 14, 2019 expiration of the HDC approval. Accordingly, pursuant to Portsmouth Zoning Ordinance Section 10.636.71, DSA requests a one- year extension to February 14, 2020.

Very truly yours

R. Timothy Phoenix

RTP/msw Encl.

cc:

Juliet T.H. Walker, Planning Director

Deer Street Associates, LLC

Gregg Mikolaities

Tracey Kozak, JSN, Inc.



CITY OF PORTSMOUTH

Community Development Department (603) 610-7281

Planning Department (603) 610-7216

PLANNING DEPARTMENT HISTORIC DISTRICT COMMISSION CERTIFICATE OF APPROVAL

Date:

February 16, 2018

To:

Deer Street Associates

P.O. Box 100

York Harbor, ME 03911

Re:

163 Deer Street

The Historic District Commission considered your proposal at its meeting of February 14, 2018 wherein permission was requested to allow demolition of an existing structure (demolish existing building) and allow a new free standing structure (construct new mixed use building) as per plans on file in the Planning Department.

After due deliberation, the Commission voted that the request be **approved** as presented with the following stipulations:

- 1) The burnt almond brick shall be used.
- 2) Kolbie or Pella windows shall be used.

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

A. Purpose and Intent:

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

Page 2

Re: 163 Deer Street February 16, 2018

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

n	77		~ .	
R	KP	MAIN	Crit	erra.
20.	760	TIVIT	CIT	WIILL.

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

PLEASE NOTE THE FOLLOWING:

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

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

Respectfully submitted,

Vincent Lombardi, Chairman Historic District Commission

cc: Tracy Kozak, JSA, Inc.

Robert Marsilia, Chief Building Inspector

FOR

Rosann Maurice-Lentz, Assessor

157-163 DEER ST, LOT 4

PUBLIC HEARING - FEBRUARY 2018



SHEET NO.	NAME			
HDCws7				
1.1	COVER			
1.2a	SUMMARY & SITE PLAN			
1.2b	SITE MAP			
1.3a	SITE SECTION			
1.3b	SITE SECTION			
2.0a	FIRST FLOOR PLAN			
2.0b	FIRST FLOOR REFLECTED CEILING PLAN			
2.1a	VIEW FROM BRIDGE STREET			
2.1b	VIEW FROM DEER STREET			
2.2a	VIEW FROM MAPLEWOOD AVE			
2.2b	VIEW DETAIL - CORNICES			
3.1a 3D VIEW				
3.1b	SOUTH ELEVATION			
3.2a 3D VIEW				
3.2b EAST ELEVATION				
3.3a 3D VIEW				
3.3b	NORTH ELEVATION			
3.4a	3D VIEW			
3.4b	WEST ELEVATION			
3.5a	3D VIEW			
3.5b	DRIVE-THROUGH ELEVATIONS			
4.1a	DETAILS - METAL GRILLES			
4.1b	DETAILS - WINDOWS			
4.2a	DETAILS - CANOPY			
4.2b	DETAILS - MASONRY BASE			
4.3a	DETAILS - UPPER CORNICES			
4.3b	DETAILS - LIGHT SHELF SOFFIT			
4.4a	DETAILS - BALCONY RAILINGS			
4.4b	MATERIAL SCHEDULE			
4.4c	WINDOW & DOOR TYPES			
4.5	MATERIALS PRODUCT DATA			

COVER

1.1

157-163 DEER ST: Lot 4 - Deer Street Assoc.



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) (ZC Purpose& Intent 1-6, Factor 1)
- 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)
- Land use (Master Plan 3.2.2 & 3.3; ZO Incentive 10.5A46.20)
- Vibrancy (Master Plan 3.3.2; ZC Purpose& Intent 4-6)
- Sustainability (Master Plan 5.4; ZO Purpose & Intent 5-6; Review Factor 3; Criteria 4).
- Coastal Resiliency (Master Plan 5.1)

Summary of Revisions

Theme

Continued development of "contemporary interpretation of historic industrial".

Details

Additional Information:

Window & Door Schedule & Dimensions

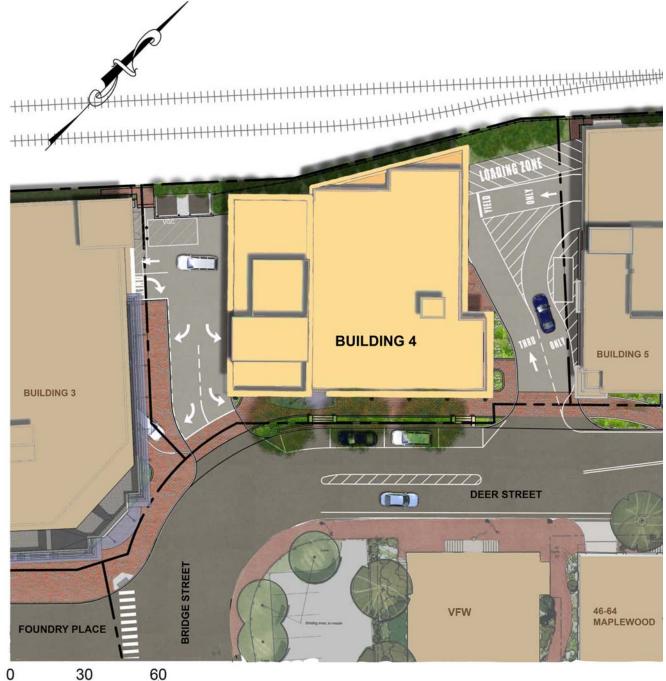
Materials Product Data Sheets:

1.2a



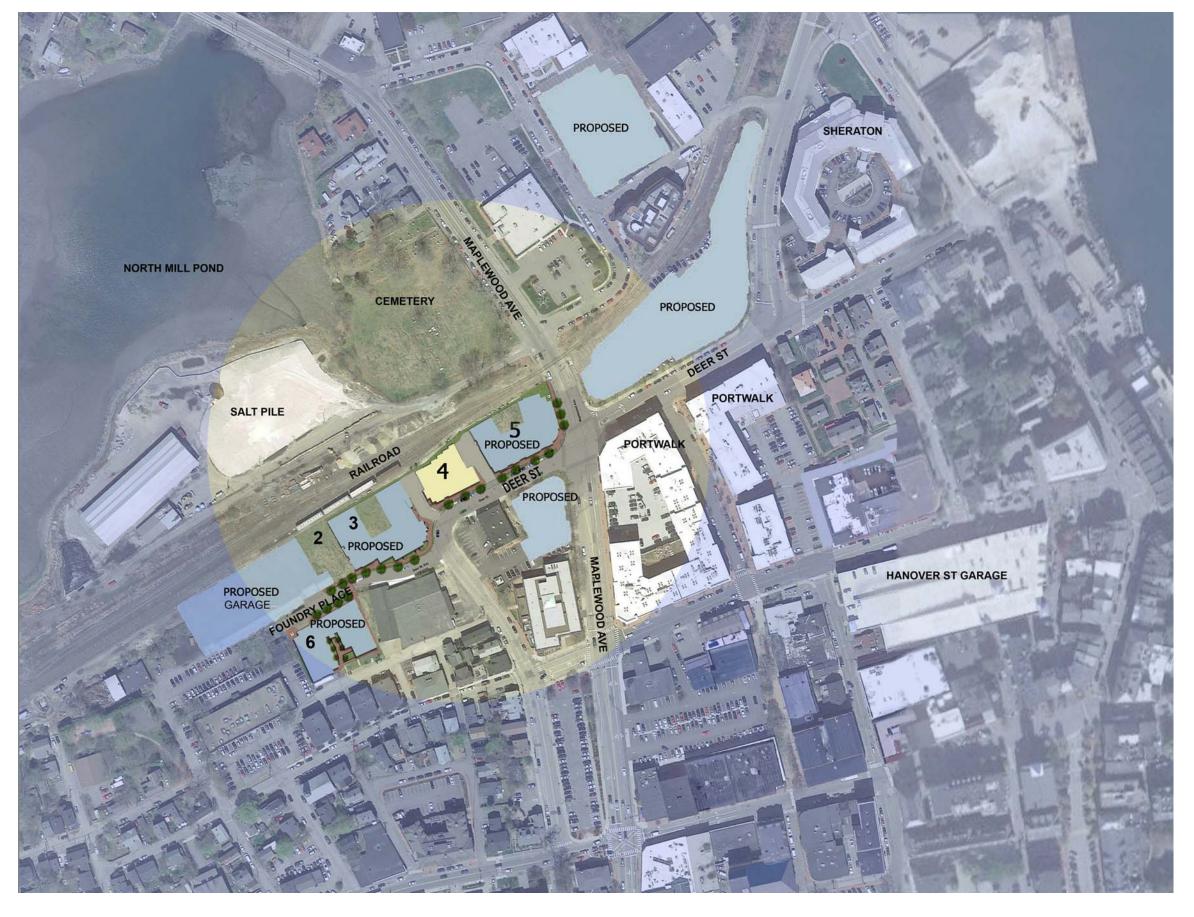
SUMMARY & SITE PLAN

Deer Street Lot 4



Feet

SCALE: 1" = 30'



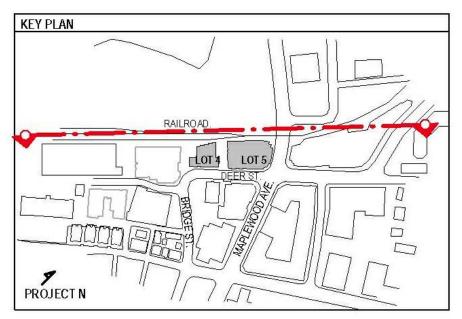
1.2b SITE MAP

Deer Street Lot 4

SCALE: 12.06.17







LOT 5 **PROPOSED**

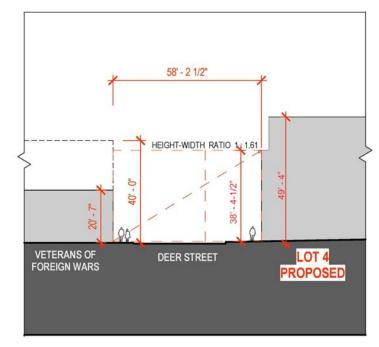


SITE SECTION

1.3a



LOT 4 PROPOSED



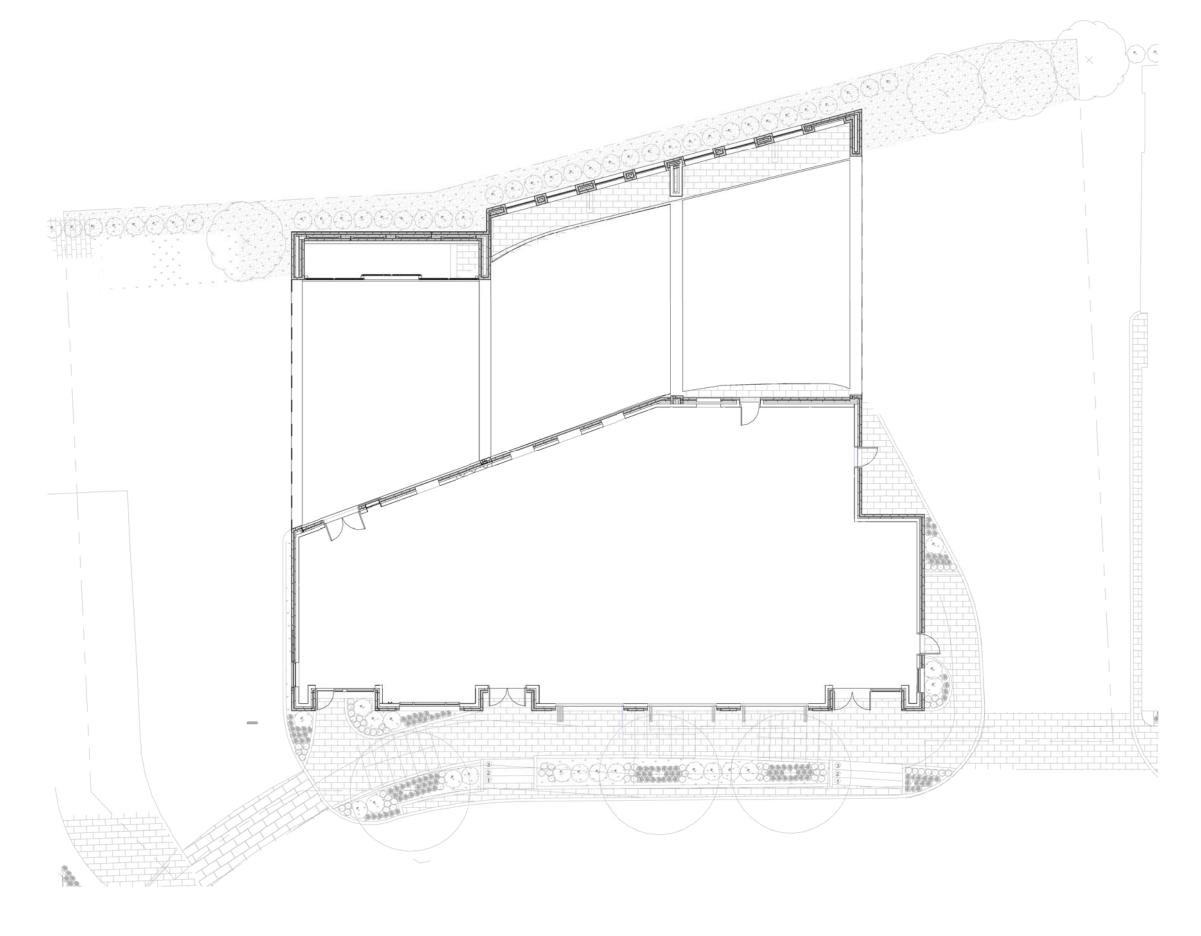
SITE SECTION

Deer Street Lot 4

SCALE: 12.06.17

1.3b







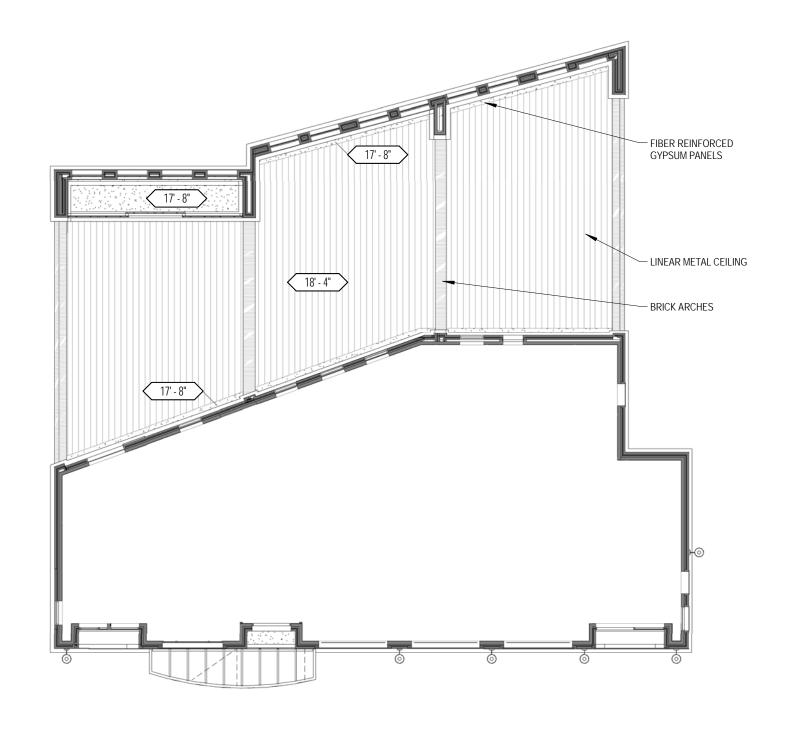
2.0a

FIRST FLOOR PLAN

Deer Street Lot 4
12.06.17
1/16" = 1'-0"

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

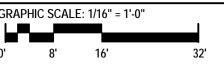
O' 8' 16' 3





Deer Street Lot 4

SCALE: 1/16" = 1'-0" 12.06.17









VIEW FROM BRIDGE STREET

Deer Street Lot 4

2.1a



VIEW FROM DEER STREET

Deer Street Lot 4

SCALE: 12.06.17

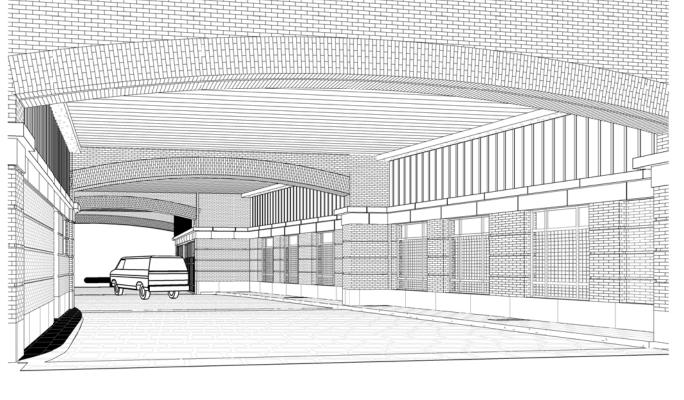
2.1b



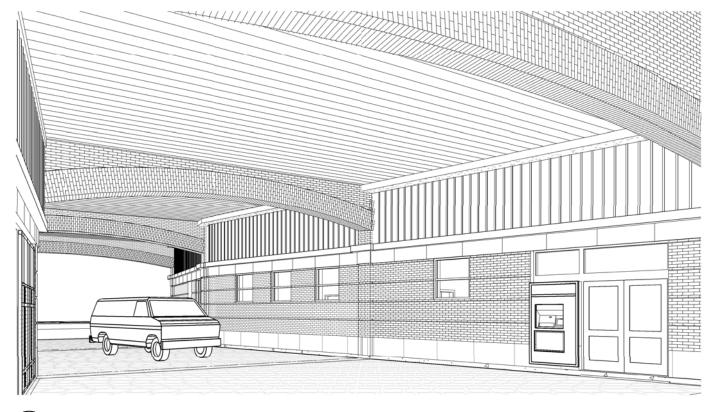




Deer Street Lot 4



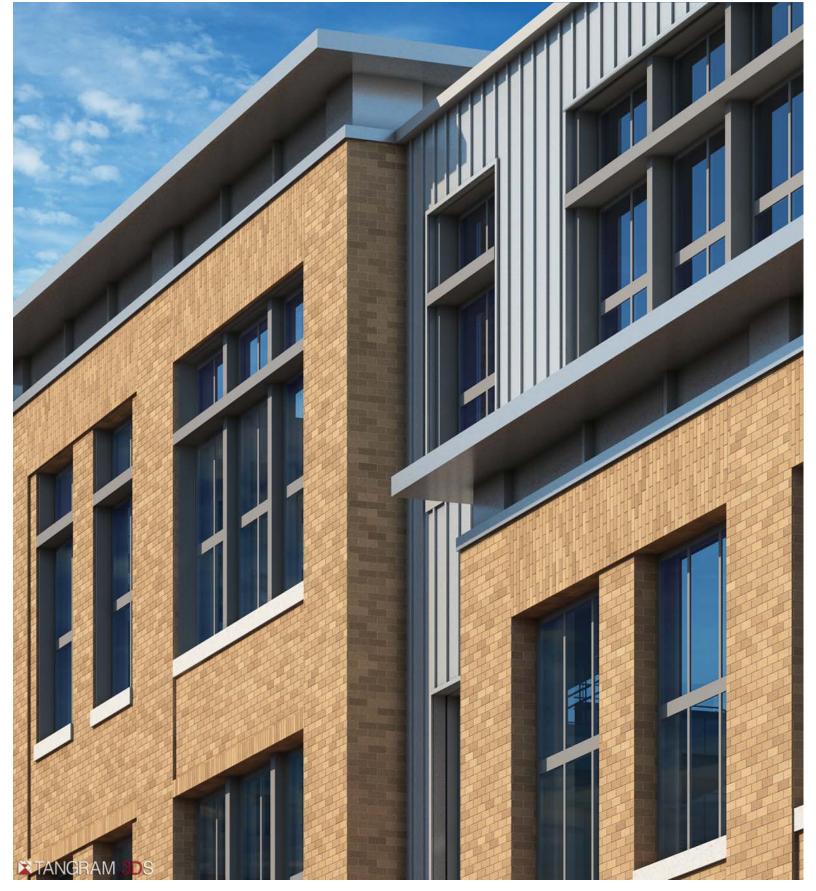
1 DRIVE-THROUGH LOOKING WEST



2 DRIVE-THROUGH LOOKING EAST



2.2a



VIEW DETAIL - CORNICES

Deer Street Lot 4

SCALE: 12.06.17

2.2b







3D VIEW

3.1a

Deer Street Lot 4



ELEVATION KEY NOTES

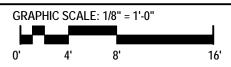
- 1. Brick
- 2. Precast architectural concrete
- 3. Zinc siding
- 4. Aluminum coping
- 5. Windows aluminum clad wood
- 6. Operable folding glass panels
- 7. Railing system painted steel & metal mesh
- 8. Decorative Grille painted steel
- 9. Gate painted steel with metal mesh
- 10. Bracket aluminum clad
- 11. Light fixture
- 12. Canopy steel & glass

SOUTH ELEVATION

Deer Street Lot 4

SCALE: As indicated

3.1b





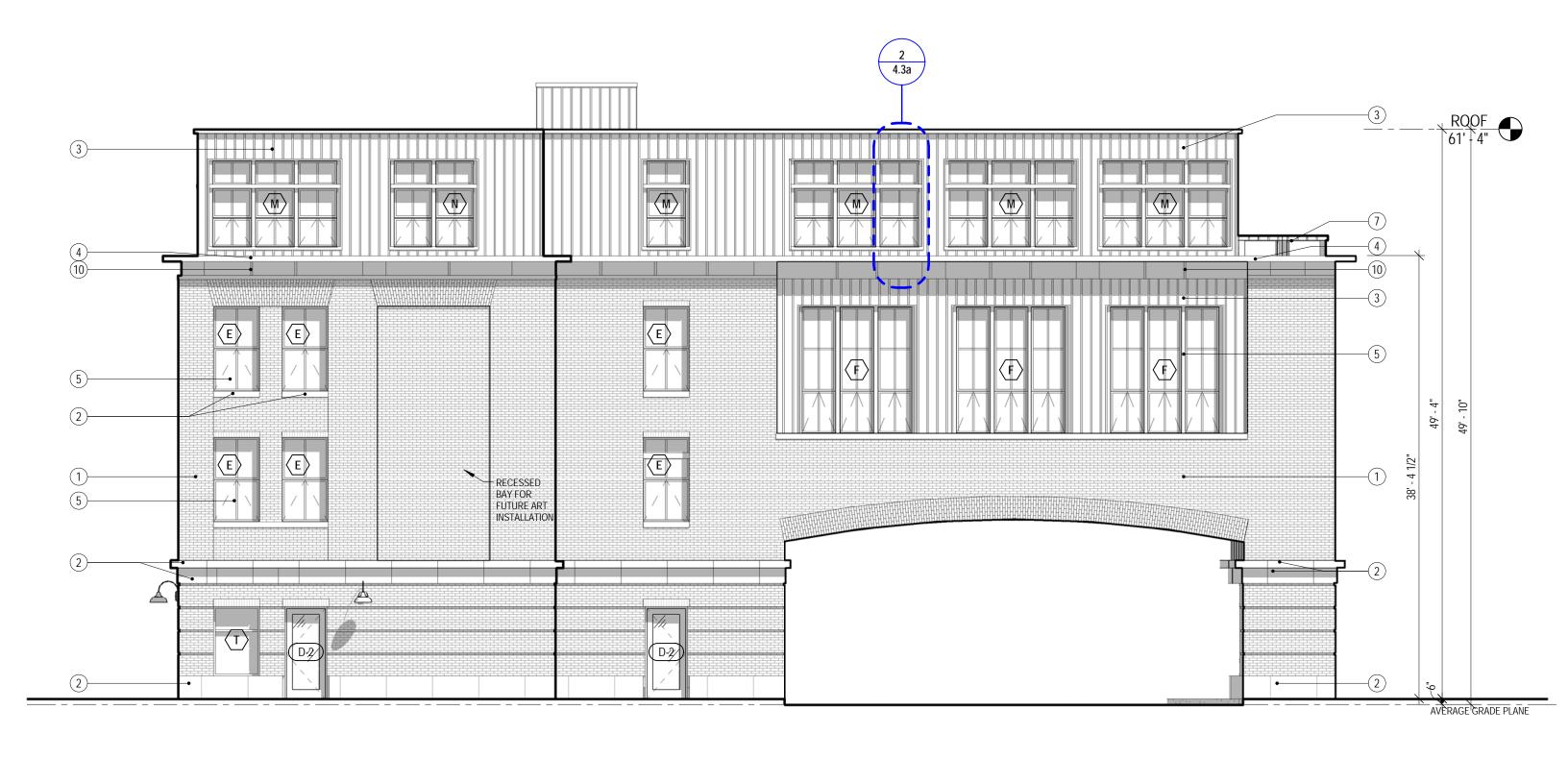




3D VIEW

3.2a

Deer Street Lot 4



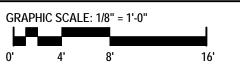
ELEVATION KEY NOTES

- Brick
- 2. Precast architectural concrete
- 3. Zinc siding
- 4. Aluminum coping
- 5. Windows aluminum clad wood
- 6. Operable folding glass panels
- 7. Railing system painted steel & metal mesh
- 8. Decorative Grille painted steel
- 9. Gate painted steel with metal mesh
- 10. Bracket aluminum clad
- 11. Light fixture
- 12. Canopy steel & glass

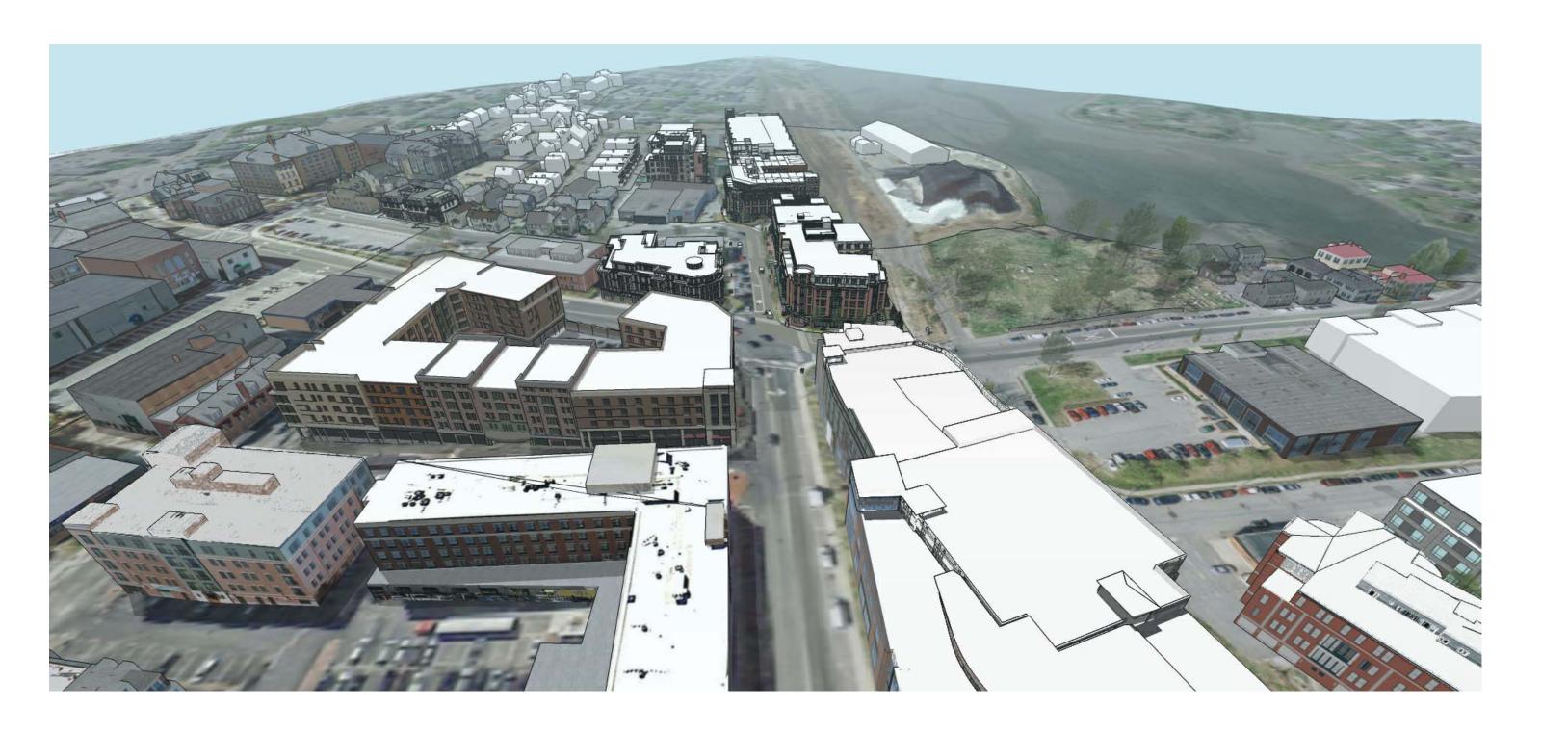
3.2b EAST ELEVATION

Deer Street Lot 4

SCALE: As indicated 1/19/2018

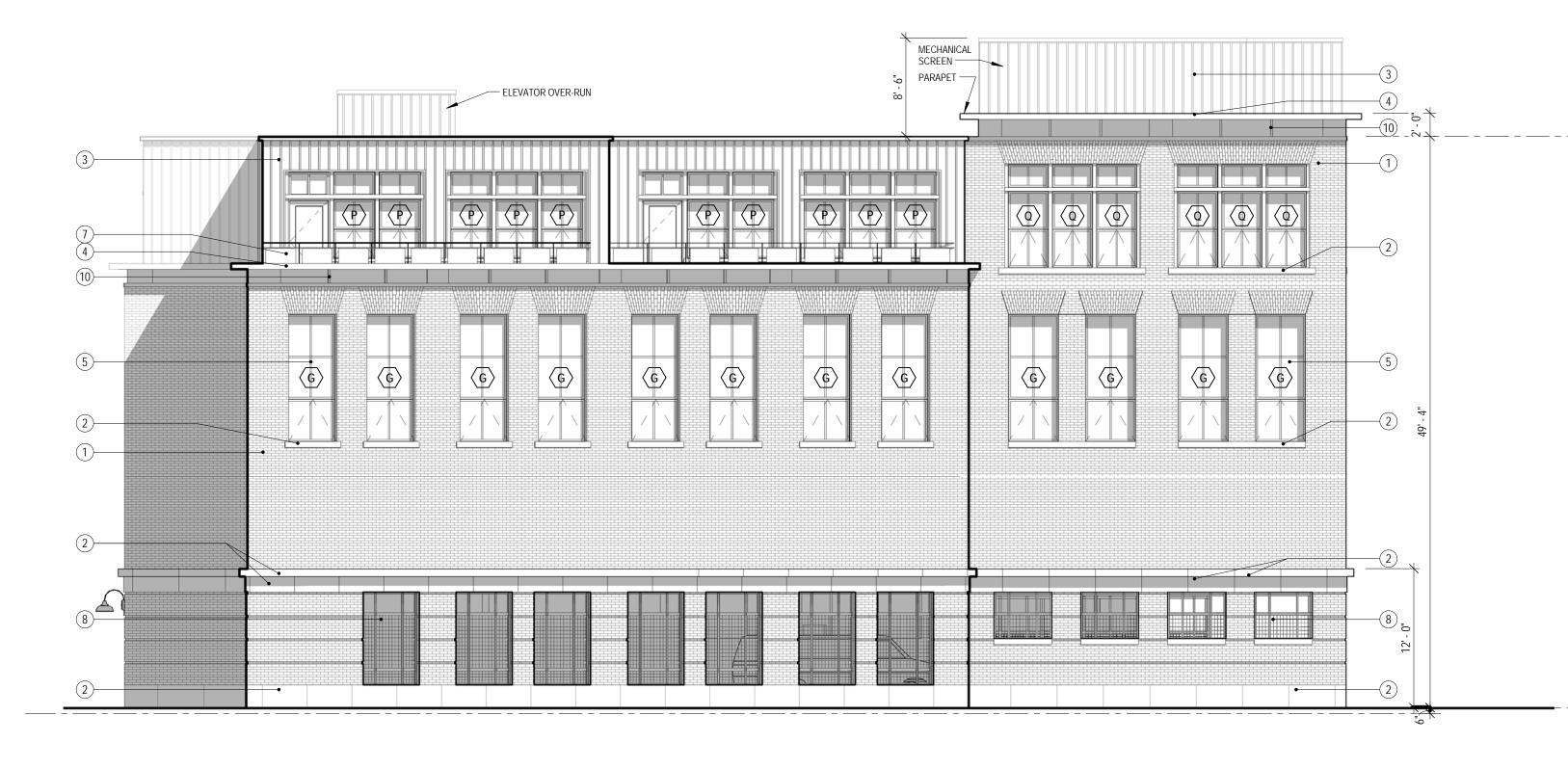








3D VIEW



ELEVATION KEY NOTES

- 1. Brick
- 2. Precast architectural concrete
- 3. Zinc siding
- 4. Aluminum coping
- 5. Windows aluminum clad wood
- 6. Operable folding glass panels
- 7. Railing system painted steel & metal mesh
- 8. Decorative Grille painted steel
- 9. Gate painted steel with metal mesh
- 10. Bracket aluminum clad
- 11. Light fixture
- 12. Canopy steel & glass

NORTH ELEVATION

Deer Street Lot 4

3.3b

GRAPHIC SCALE: 1/8" = 1'-0" SCALE: As indicated 1/19/2018



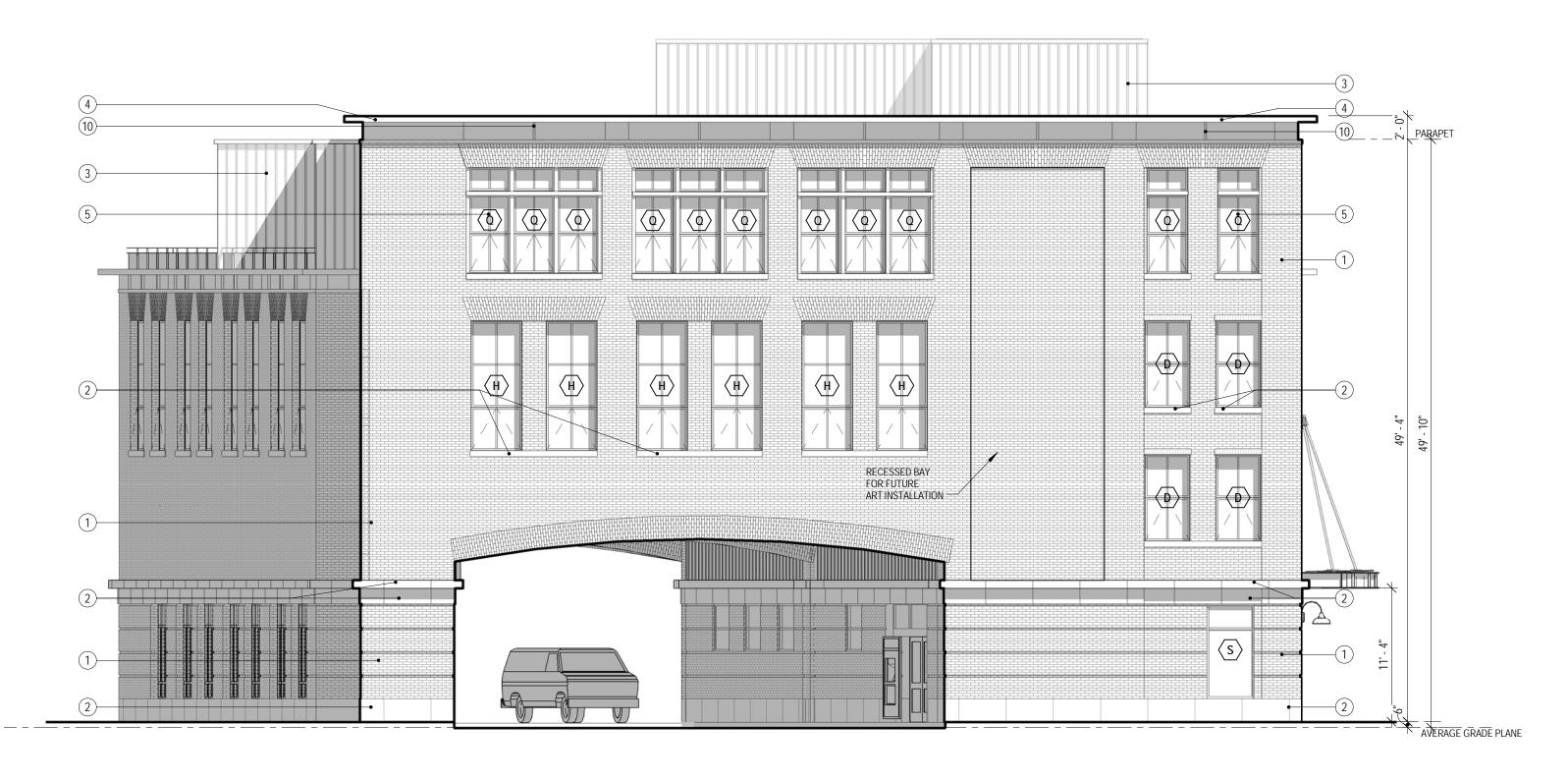




3D VIEW

Deer Street Lot 4

3.4a



ELEVATION KEY NOTES

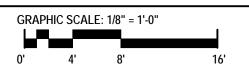
- 1. Brick
- 2. Precast architectural concrete
- 3. Zinc siding
- 4. Aluminum coping
- 5. Windows aluminum clad wood
- 6. Operable folding glass panels
- 7. Railing system painted steel & metal mesh8. Decorative Grille painted steel
- 9. Gate painted steel with metal mesh
- 10. Bracket aluminum clad
- 11. Light fixture
- 12. Canopy steel & glass

WEST ELEVATION

Deer Street Lot 4

SCALE: As indicated 1/19/2018

3.4b





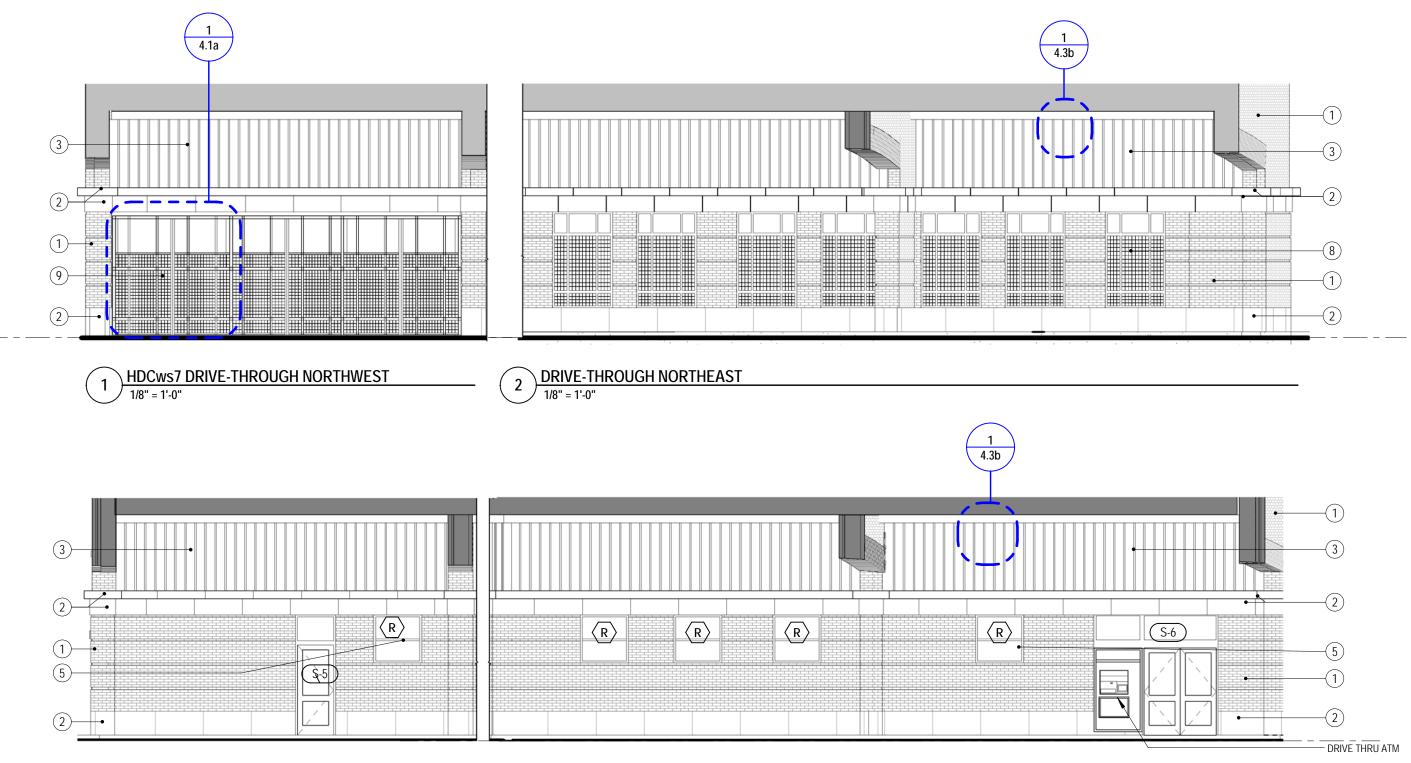




3D VIEW

3.5a

Deer Street Lot 4



3 HDCws7 DRIVE-THRU SOUTHEAST

4 DRIVE-THROUGH SOUTHWEST

ELEVATION KEY NOTES

- 1. Brick
- 2. Precast architectural concrete
- 3. Zinc siding
- 4. Aluminum coping
- 5. Windows aluminum clad wood
- 6. Operable folding glass panels
- 7. Railing system painted steel & metal mesh
- 8. Decorative Grille painted steel
- 9. Gate painted steel with metal mesh
- 10. Bracket aluminum clad
- 11. Light fixture
- 12. Canopy steel & glass

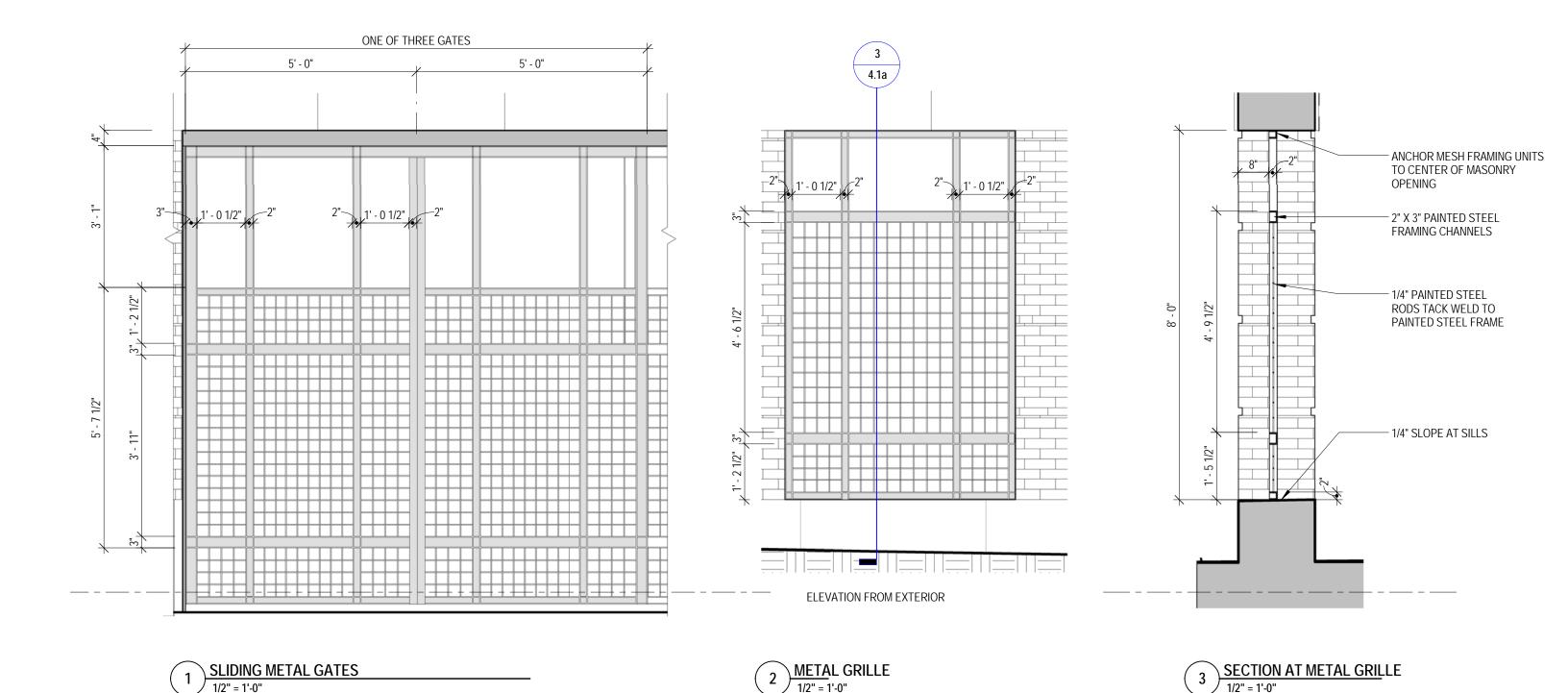
DRIVE-THROUGH ELEVATIONS

Deer Street Lot 4

SCALE: As indicated 1/19/2018

3.5b





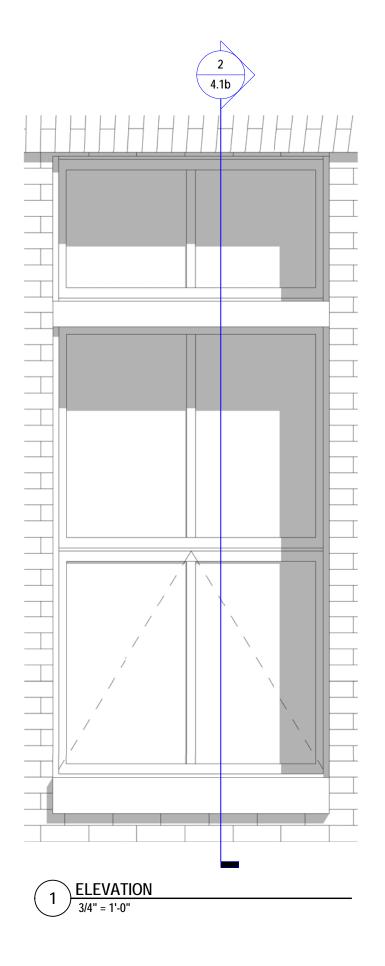


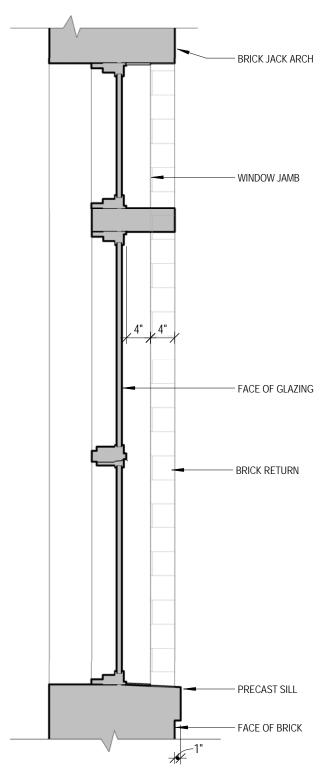
DETAILS - METAL GRILLES

Deer Street Lot 4

12.06.17 1/2" = 1'-0"

4.1a







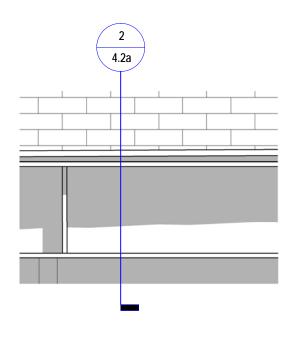
2 SECTION AT WINDOW- BRICK
3/4" = 1'-0"

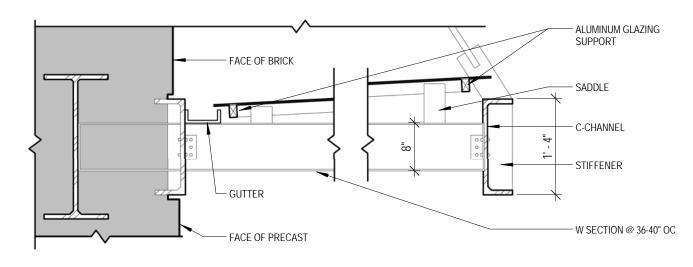
4.1b DETAILS - WINDOWS

Deer Street Lot 4

SCALE: 3/4" = 1'-0" 12.06.17



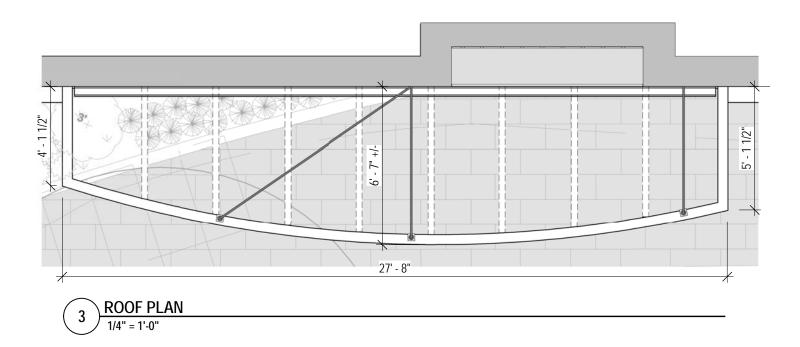




3/4" = 1'-0"

SECTION DETAIL

3/4" = 1'-0"





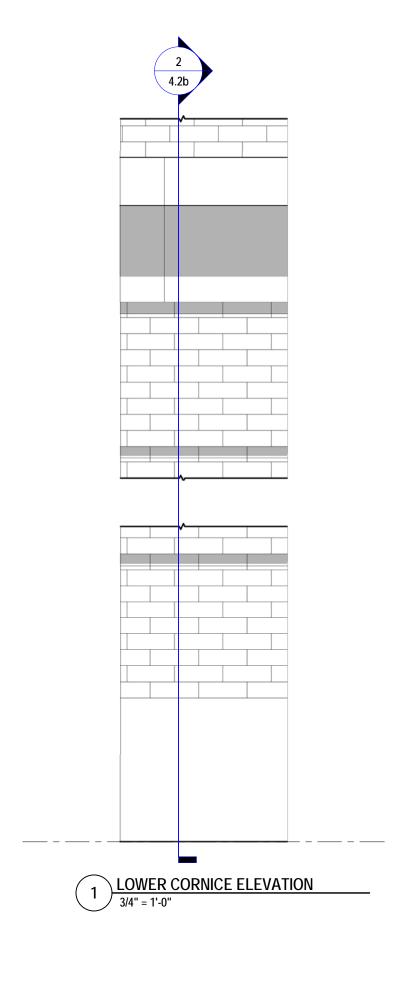


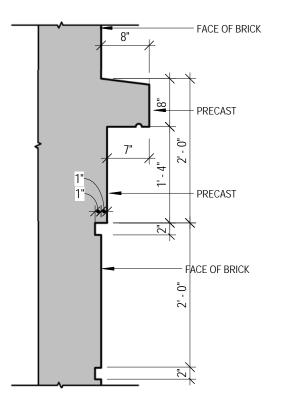
DETAILS - CANOPY

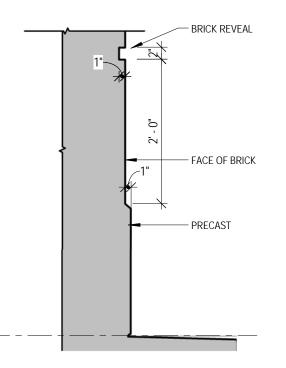
Deer Street Lot 4

As indicated

4.2a

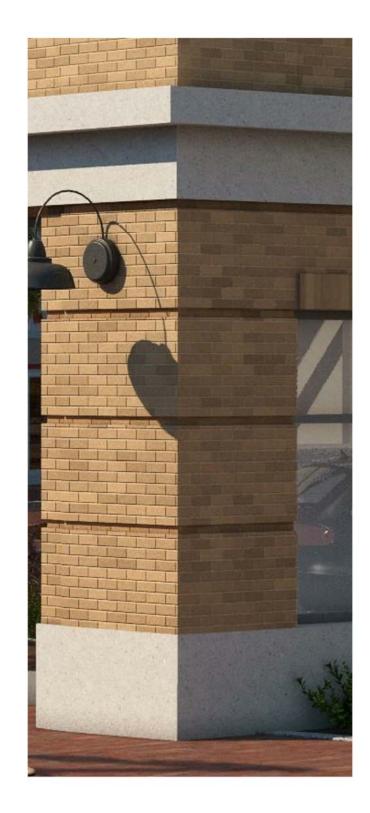








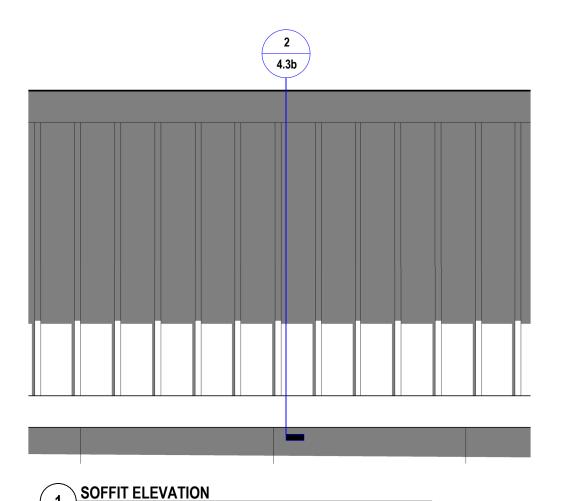
4.2b



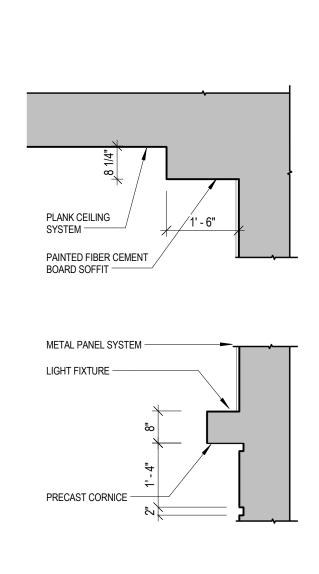
DETAILS - MASONRY BASE

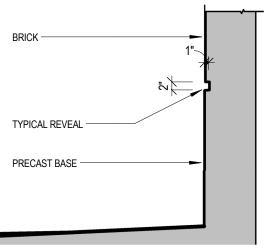
Deer Street Lot 4











SECTION AT GARAGE
1/2" = 1'-0"

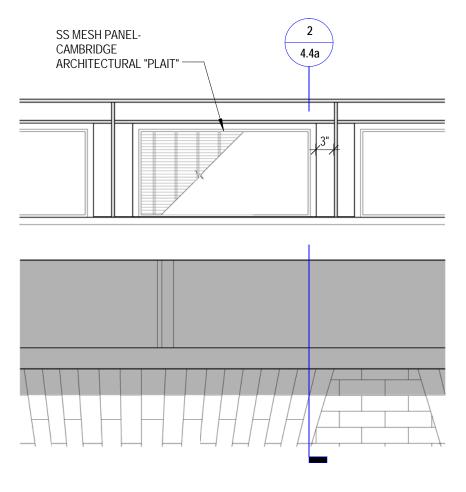
DETAILS - LIGHT SHELF SOFFIT

12.06.17

4.3b

Deer Street Lot 4 SCALE: 1/2" = 1'-0"









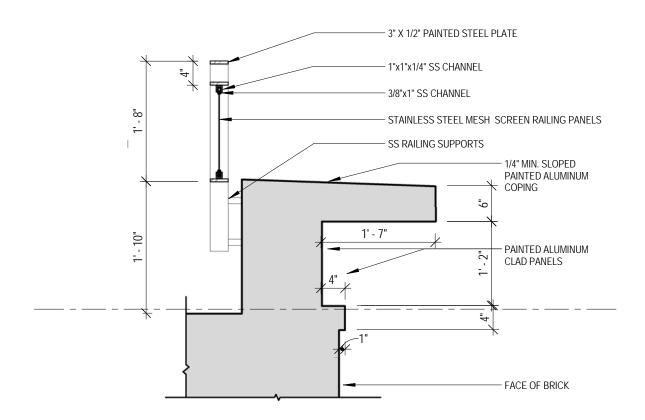


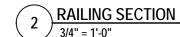
DETAILS - BALCONY RAILINGS

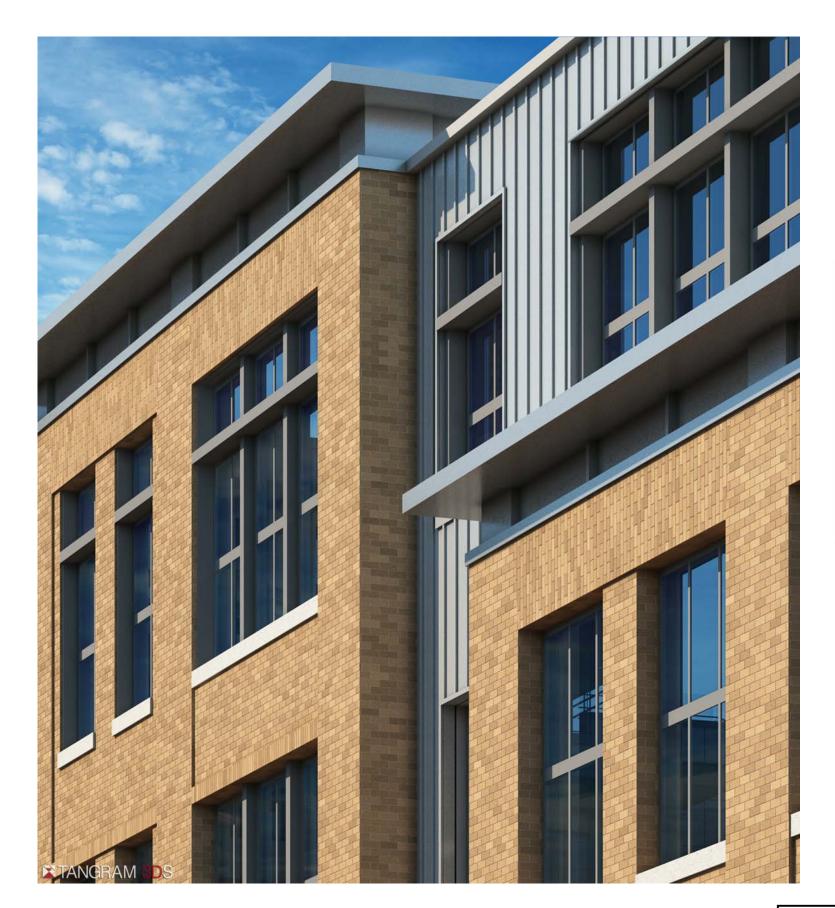
Deer Street Lot 4

3/4" = 1'-0"

4.4a







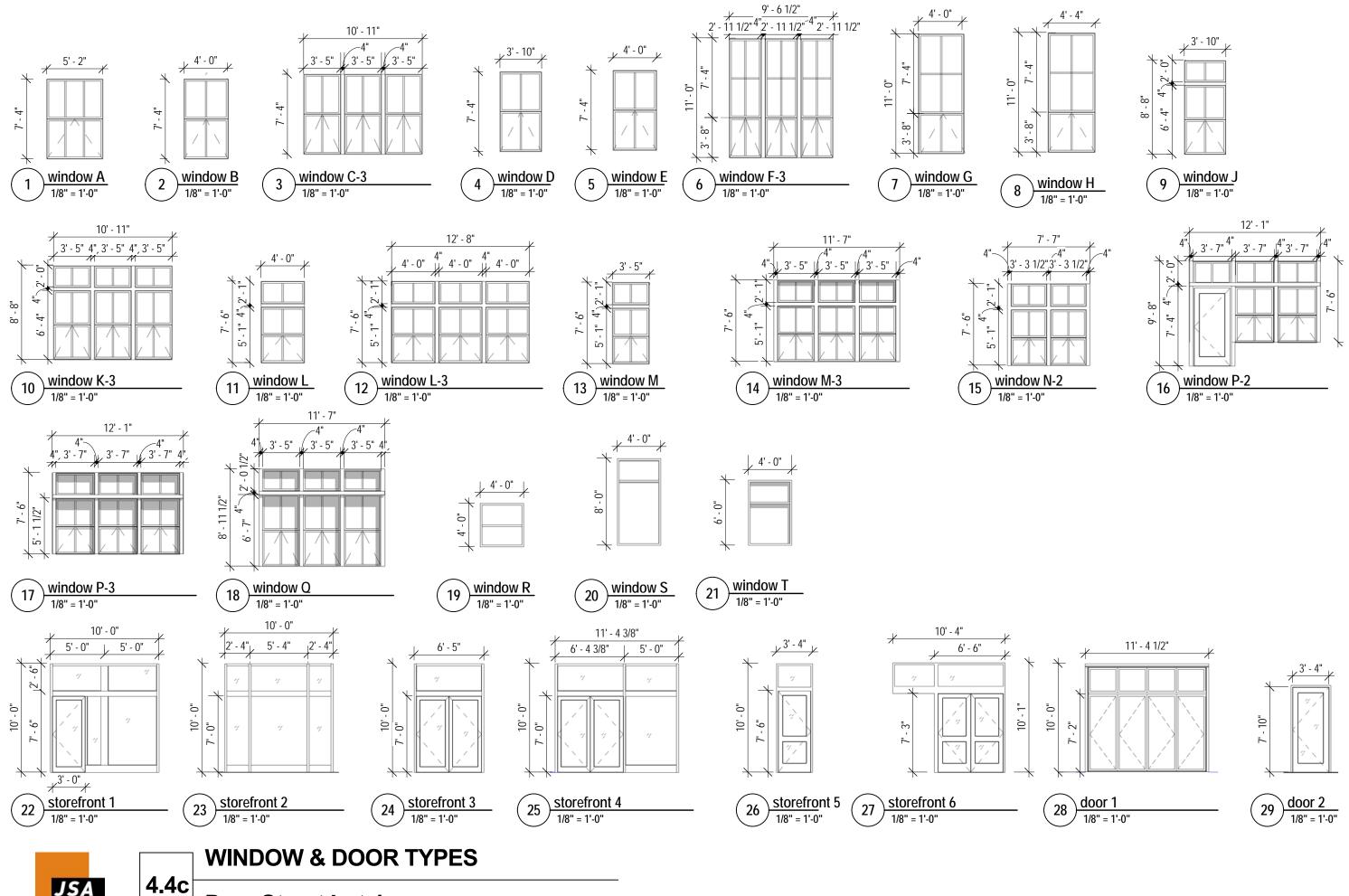
(ey Note	Product	Manufacturer	Model/Make	Finish/Color
1	Brick	GlenGery	Burnt Almond	Flashed Ironspot
2	Precast architectural concrete	MGA	Cast Stone	Light Limestone
3	Zinc siding	VM Zinc	Standing seam	Quartz-zinc
4	Aluminum coping	Pac-Clad	Kynar coating	zinc
5	Windows – aluminum clad wood	Pella	Architect Series Contemporary	Eldridge Gray
5	Windows – aluminum clad wood (option)	Kolbe	Vista Luxe	Slate
6	Folding glass door panels	Nanawall	SL80 Narrow Stile	platinum
7	Railing system – metal mesh	Cambridge Architectural	Braid	Stainless Steel
8	metal grille	custom	custom	black coating
9	Metal gate	custom	custom	black coating
10	Bracket – painted aluminum	custom	custom	
11	Light fixture	TMS Lighting	China IP55	CHW0016
12	Canopy	custom	painted steel & frosted glass	
	Mortar	GlenGery		G-302
	Ceiling (drive-through) - linear aluminum	Longboard	6" V-Grouve	
	Swing Door – Glass with aluminum frame	EFCO		annodized
	Swing Door – aluminum panel	EFCO		annodized
	Metal fence with hedge plantings		woven chain link	black coating

MATERIAL SCHEDULE

4.4b

Deer Street Lot 4





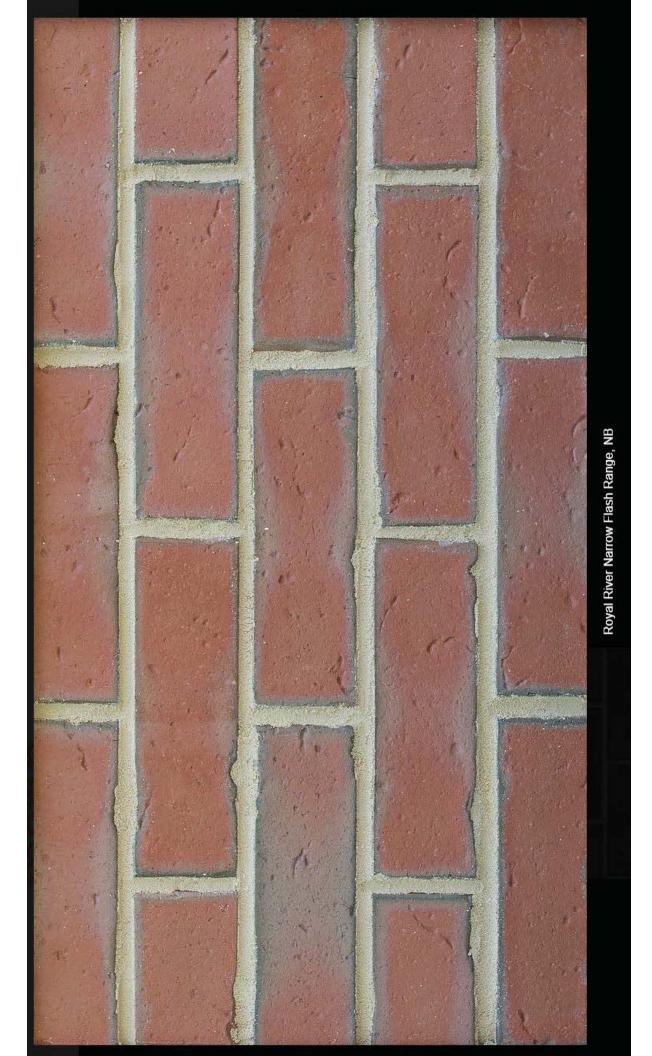


MATERIALS PRODUCT DATA PUBLIC HEARING - FEBRUARY 2018

INDEX

- 1. BRICK MASONRY
- 2. ARCHITECTURAL PRECAST CONCRETE
- 3. ZINC SIDING
- 4. ALUMINUM COPING
- 5. WINDOWS
- 6. OPERABLE WINDOW-WALLS
- 7. METAL MESH RAILINGS
- 8. LIGHTING
- 9. METAL SOFFIT
- 10. STOREFRONT SYSTEM
- 11. FENCE & PLANTINGS

	Project: 157-163 DEER ST: Lot 4 - Deer Street Assoc. Title: MATERIALS PRODUCT DATA			Project No: 837.04	Reference Drawing
JSA				Scale:	Reference:
ARCHITECTS	www.jsainc.com	273 Corporate Drive T 603.436.2551	Portsmouth, NH 03801 F 603.436.6973	Drawn By	Sketch No:
INTERIORS PLANNERS	www.jsame.com	Portsmouth	Jacksonville	Date: 4.	4.5





HOME

ABOUT

PROJECTS

PRODUCTS

SERVICES

TESTIMONIALS

RESOURCES

COLUMBARIUMS

CONTACT





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
- CapitalsCornice
- 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

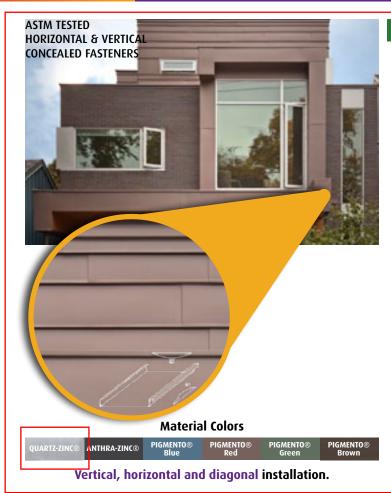
We provided custom color match for any job at your request!



Catalog







1" VMZ SINGLE LOCK STANDING SEAM WALL PANEL

Maximum Dimensions

Horizontal Orientation

20' - 0"

Vertical Orientation

15' - 0"

On Center

16 7/8"

Seam

1"

Radius

Convex Concave
R1 48" pre-fab 130' field
R1 30' pre-fab 130' field
R2 10' field 10' field

Panels per Crate

40

Coverage

Per LF of Installed Panel 1.4 ft²

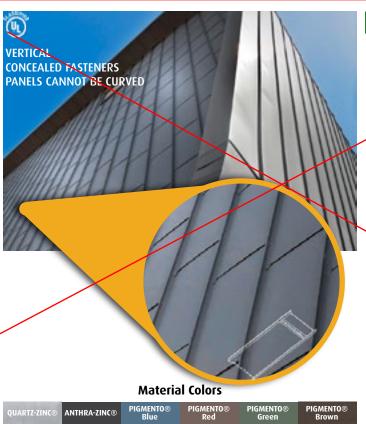
Thickness

.8mm

Weight per ft² installed

1.38 lb for 16 7/8" OC Panels

*Also available with blank rib stiffener.



VMZ DEXTER® WALL PANEL

Dimensions

On Center

32 7/8" L x 15 3/4" W

Seam

1 1/2"

Panels per Box

6

Coverage

Per Installed Panel

3.59 ft²

Per Box for Installed Panels

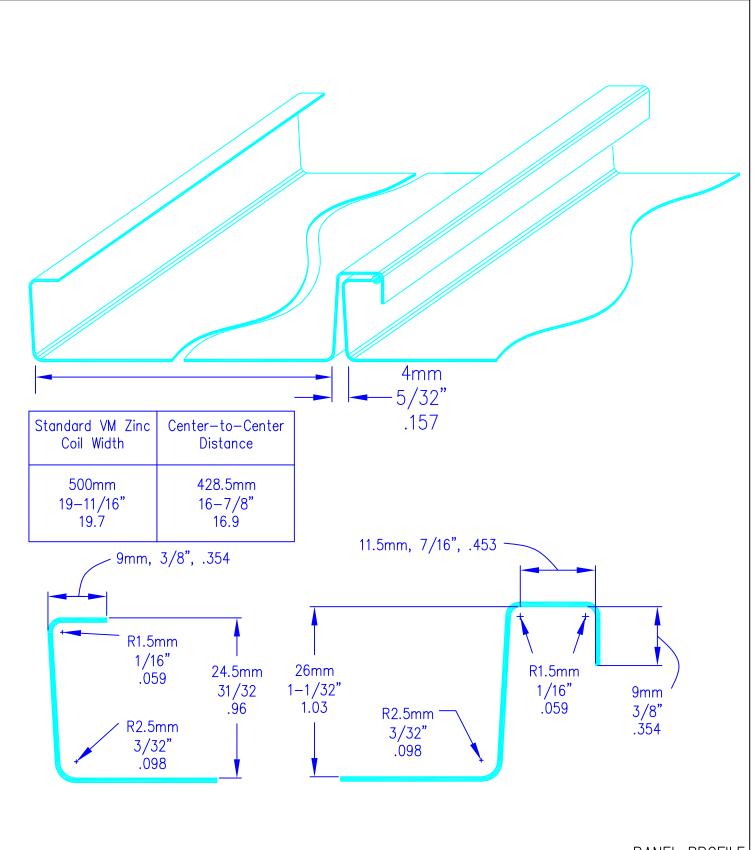
21.5 ft²

Thickness

.7mm

Weight per ft² installed

1.55 lb



PANEL PROFILE



Umicore Building Products USA, Inc. 3600 Glenwood Ave — Suite 250 Raleigh, NC 27612

(919) 874-7173 0. (919) 874-7140 F.

Scale:	N.T.O.	SYSTEM:
	NTS	
Date:		SI SS
	03/13/2012	
Drawn By:	• •	DD A WING.
	LDL	DRAWING:
For general	information e-mail:	\sim
i roi genera	illiorillation e-mail.	l 7()

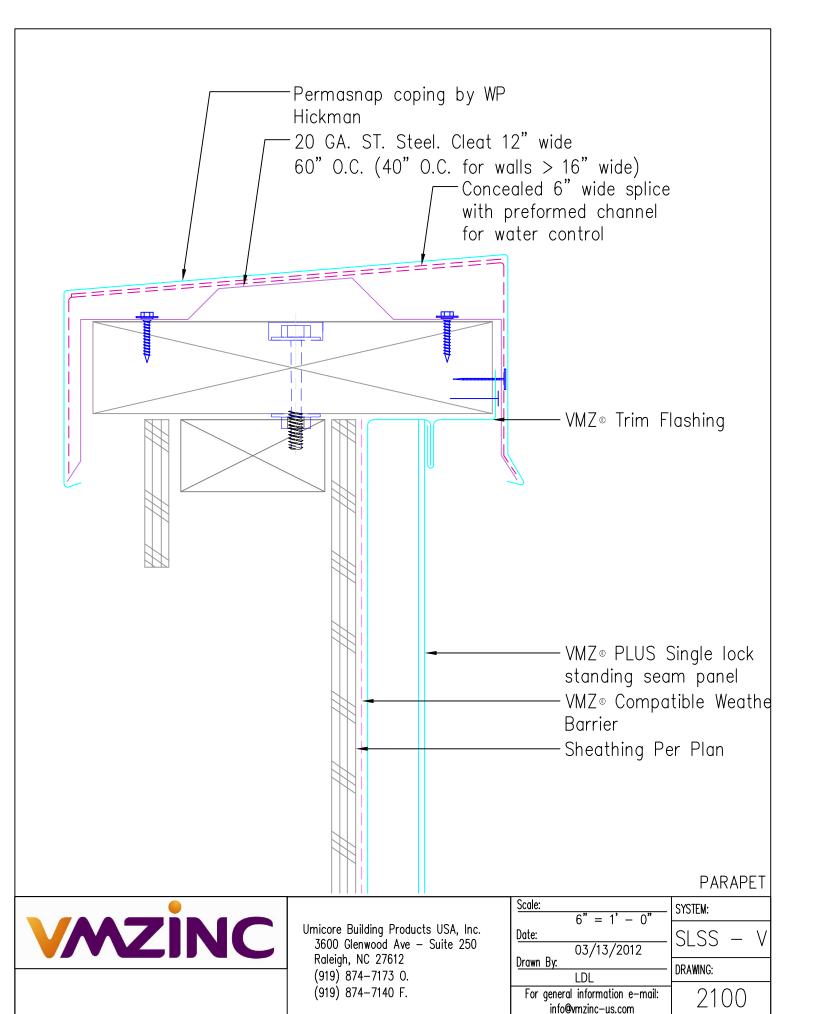
info@vmzinc-us.com

WWW.VMZINC-US.COM

NOT A SHOP DRAWING

FOR ILLUSTRATION ONLY

While all technical information and suggestions herein are believed to be reliable and accurate, nothing stated herein is to be taken as a warranty, expressed or implied. Responsibility for review remains solely with the design authority or other authority

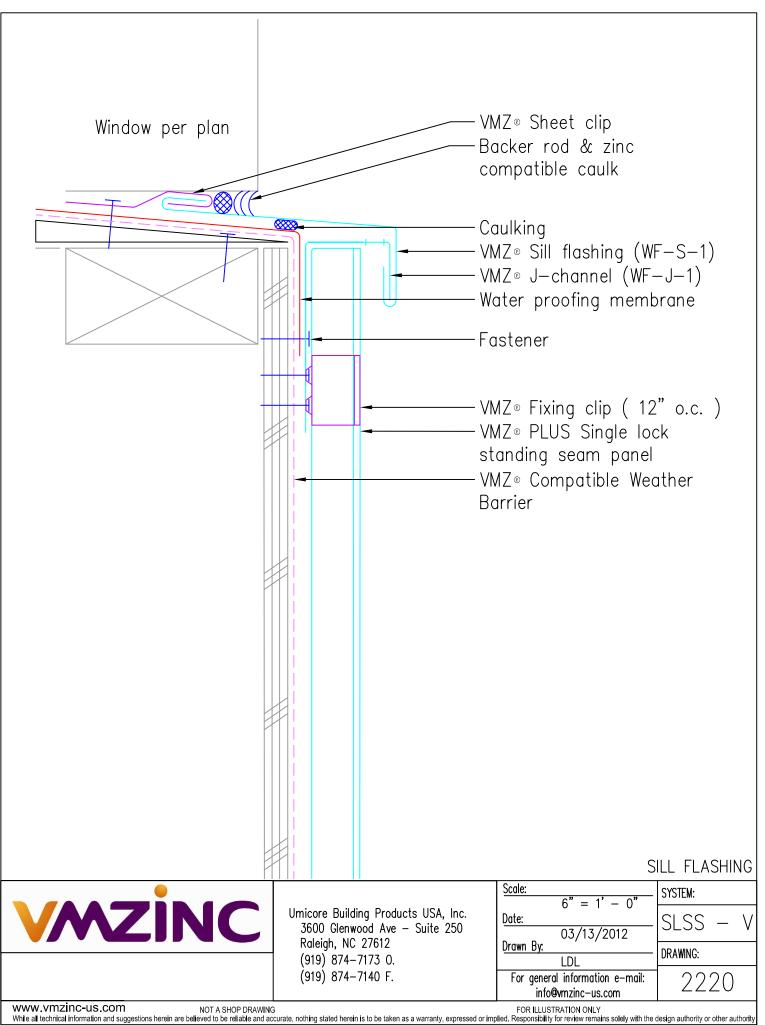


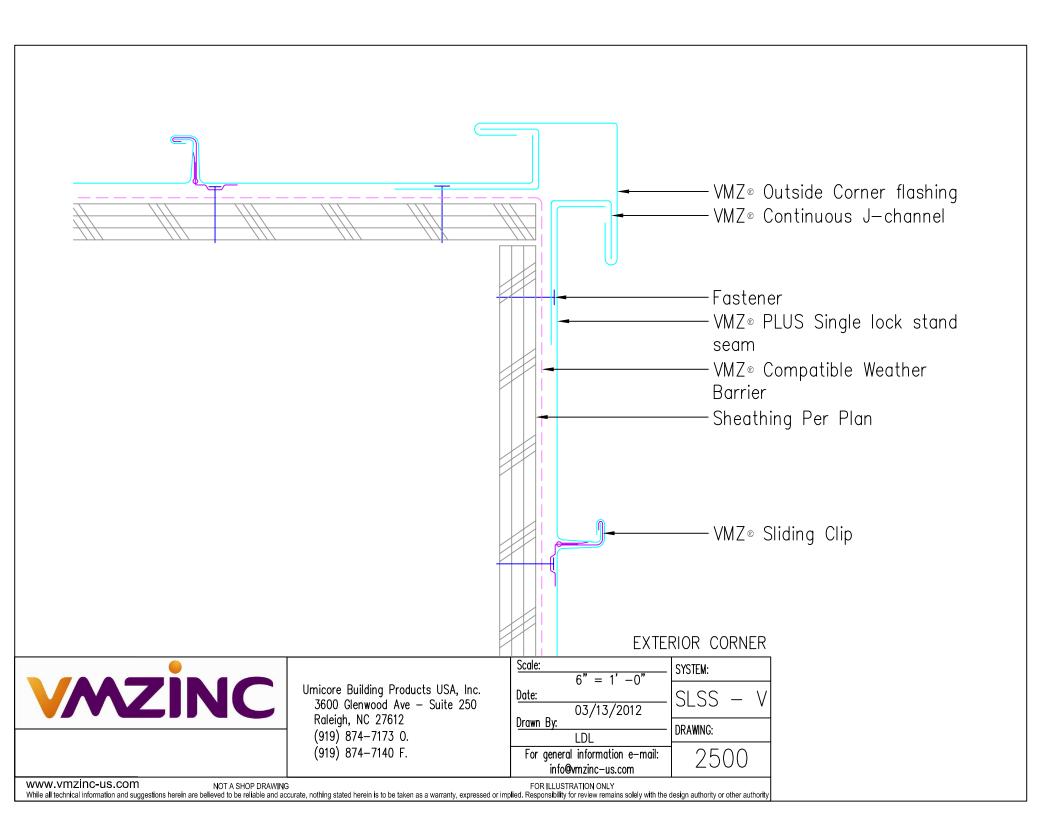
WWW.Vmzinc-us.com

NOT A SHOP DRAWING

FOR ILLUSTRATION ONLY

While all technical information and suggestions herein are believed to be reliable and accurate, nothing stated herein is to be taken as a warranty, expressed or implied. Responsibility for review remains solely with the design authority or other authority







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.

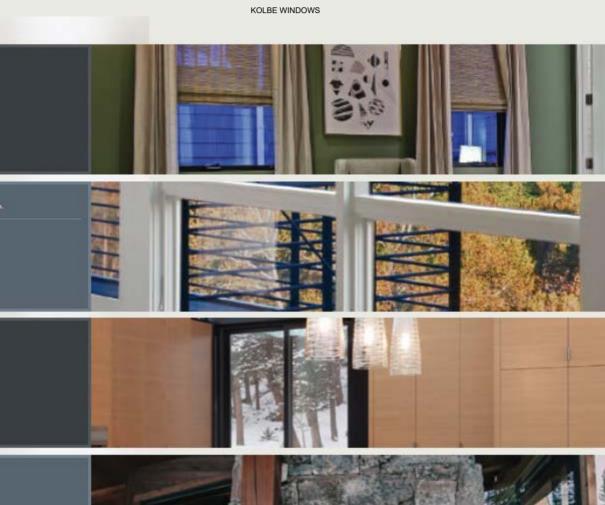


Petersen Aluminum has been a proud partner with Valspar since 1972



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.







Kolbe - VistaLuxe

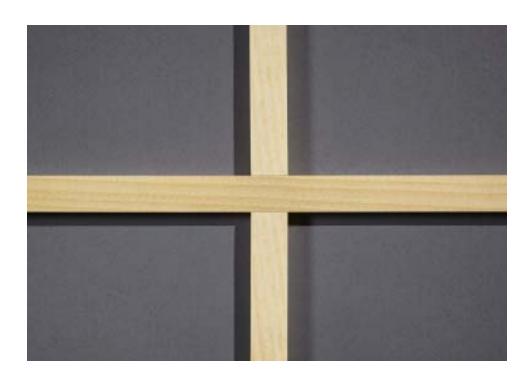








Kolbe - VistaLuxe



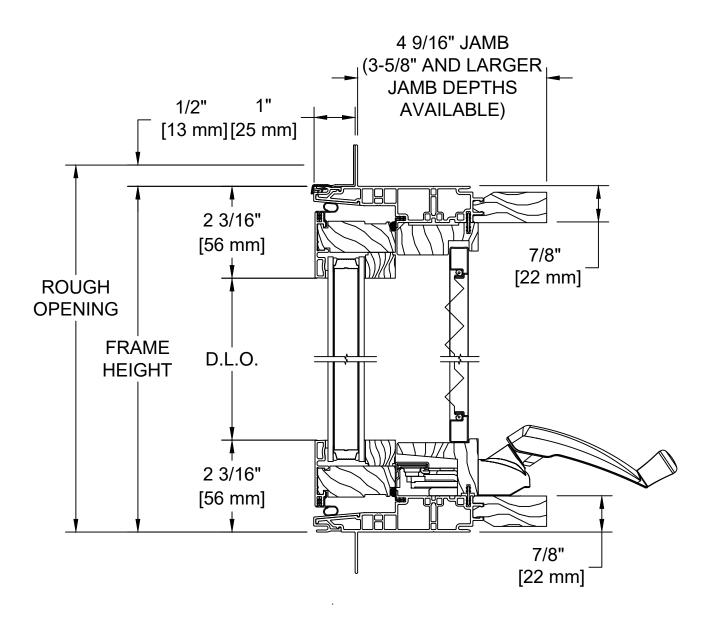




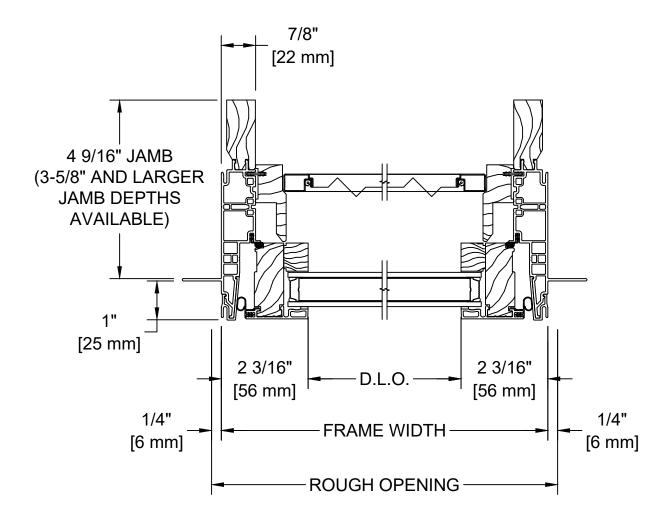




VISTALUXE COLLECTION - FLUSH STYLE CRANK - OUT CASEMENT/AWNING 4-9/16 JAMB - WITH SCREEN DOUBLE PANE GLASS VERTICAL CROSS SECTION

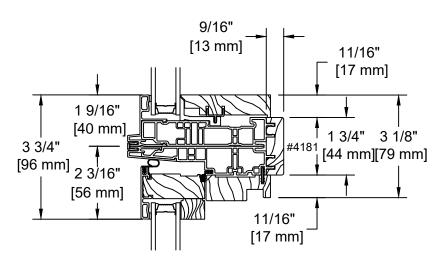


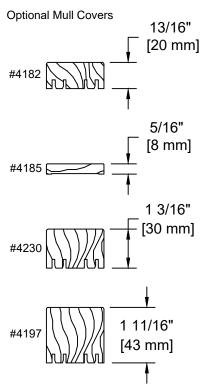
VISTALUXE COLLECTION - FLUSH STYLE CRANK - OUT CASEMENT/AWNING 49/16 JAMB - WITH SCREEN DOUBLE PANE GLASS HORIZONTAL CROSS SECTION





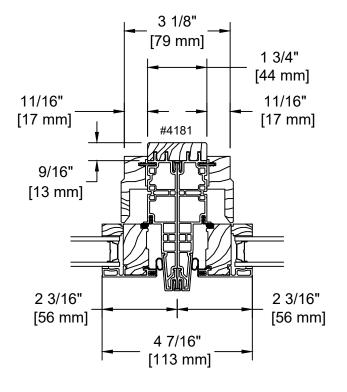
VISTALUXE COLLECTION - ACCENT PLUS STYLE DIRECT SET DIRECT SET STACKED OVER CRANK OUT CASEMENT/AWNING DOUBLE PANE GLASS STACKING DETAIL

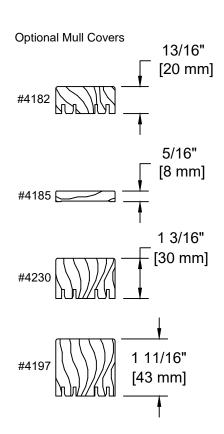






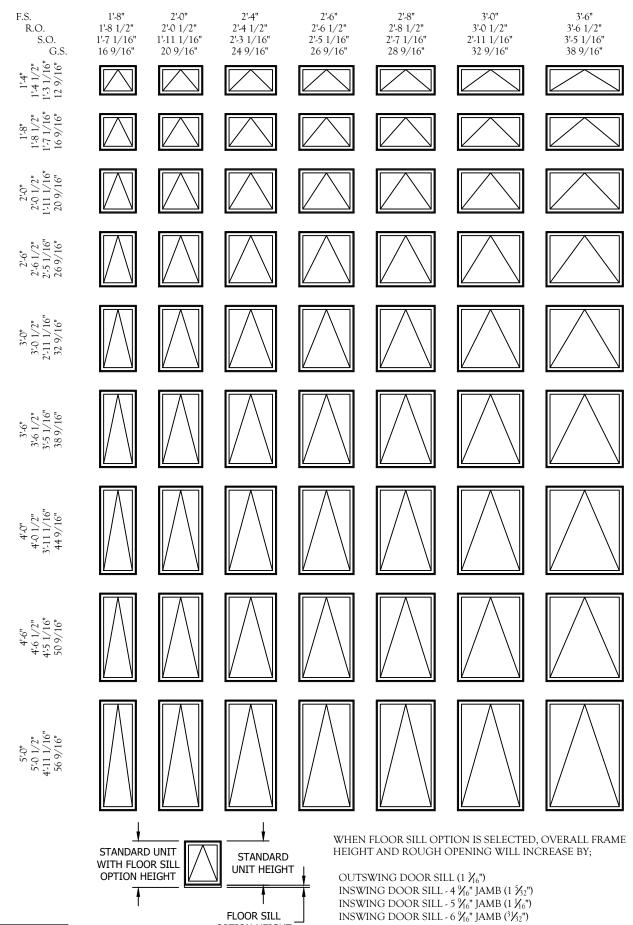
VISTALUXE COLLECTION - ACCENT STYLE CRANK OUT CASEMENT/AWNING 49/16 JAMB DOUBLE PANE GLASS MULLING DETAIL



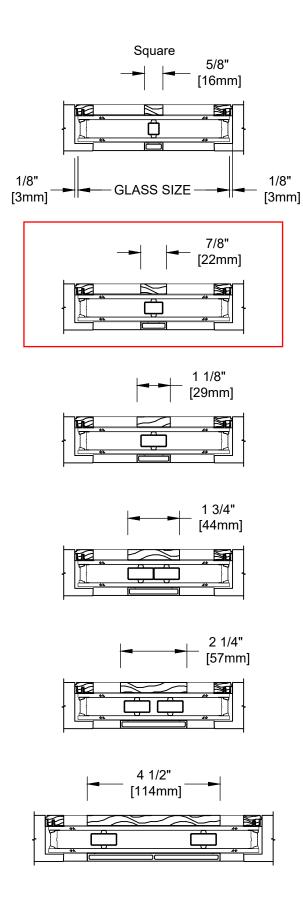


WINDOWS & DOORS

461F5F SHEET: 1 OF 2



OPTION HEIGHT



Exterior Co	olor Options	3				
VistaLuxe produpolymer coating and resistance weathering. It coproves Kolbe's controlling addition to the specified, as camica fluoropoly	g, which is the b to chemicals, al arries up to a 3 commitment to e standard color n 4 anodized al	est choice for dobrasion, corrosi 80-year warranty providing the vers, custom color	White	Cloud	Ultra Pure White	
				Abalone	Alabaster	Camel
Mudpie	Nutmeg	Khaki	Sahara	Beige	Natural Cotton	Spiced Vinegar
Gingersnap	Truffle	Bronze	Rustic Shadow		Shale	Smokestack
Onyx	Coal Black	Midnight	Steel Gray	Slate	Castlerock	Timberwolf
Corbeau	Sapphire	Coastal Storm	Anchor Gray	Lunar	Emerald Isle	Mediterranean
Cider	Copper Canyon	Maize	Green Tea Leaf	Basil	Hartford Green	Mystic Ivy
Papaya	Roma	Chutney	Create Your Color	zed	Clear Anodized	Champagne Anodized
Galaxy Silver Mica	Silverstorm Mica	Cosmic Gray Mica	Night Sky Mica	Mica	Black Anodized	Dark Bronze Anodized

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.







Seals tight and locks easily.

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





Lasting beauty.

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



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



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



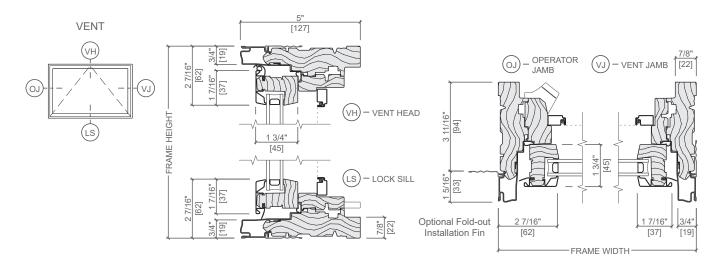
The confidence of added protection.

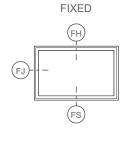
Pella products are backed by some of the strongest warranties in the business. See written limited warranty for details, including exceptions and limitations, at pella.com/warranty.

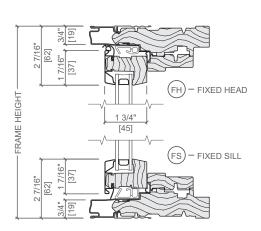
UNIT SECTIONS

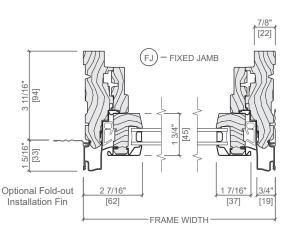
Aluminum-Clad Exterior



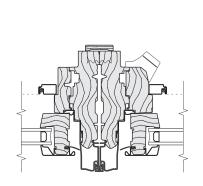




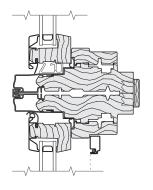




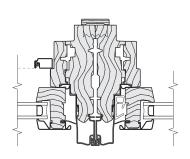
TYPICAL JOINING MULLIONS







HORIZONTAL JOINING MULLION TRANSOM / VENT



VERTICAL JOINING MULLION VENT / FIXED

See www.PellaADM.com for mullion limitations and reinforcing requirements.

Scale 3" = 1' 0"

All dimensions are approximate.



GRILLE TYPES

Typical Grille Profiles



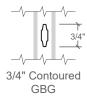
GRILLE PROFILES

Contemporary Style Collection Integral Light Technology [®]

Square Grille
Clad Exterior - Wood Interior



Contoured Aluminum -Grilles-Between-the-Glass





SIZE TABLES

Aluminum-Clad Exteriors Standard Awning



Vent l	Jnits						Vent and	Fixe	d Units					
		(451) (432)	(552) (533)	(603) (584)	(654) (635)	(756) (737)			(832) (813)	(908) (889)	(1 060) (1 041)	(1 213) (1 194)	(1 365) (1 346)	(1 518) (1 499)
0	pening	1' 5 3/4"	1' 9 3/4"	1' 11 3/4"	2' 13/4"	2' 5 3/4"	Open	ing	2' 8 3/4"	2' 11 3/4"	3' 5 3/4"	3' 11 3/4"	4' 5 3/4"	4' 11 3/4"
	Frame	1' 5"	1' 9"	1' 11"	2' 1"	2' 5"	F	rame	2' 8"	2' 11"	3' 5"	3' 11"	4' 5"	4' 11"
(451) (432) 4" 1' 5 3/4"	1, 2,,	1717					(451) (432) 4" 1' 5 3/4"		3217	3517	4117	4717	5317	5917 F
(552) (533) 4" 1' 9 3/	1.8"		2121				(552) (533) 4" 1' 9 3/		3221	3521	4121	4721	5321	5921 F
(603) (584) (1,113/	= =			2323			(603) (584) " 1' 113/	1	3223	3523	4123	4723	5323	5923 F
(654) (635) 2' 13/4'	. =				2525		(654) (635) 2' 1 ³ / ₄ ' 2' 1"		3225	3525	4125	4725	5325	5925 F
(756) (737)	2.					2929	(756) (737) 2' 5 3/4" 2' 5 -		3229	3529	4129	4729	5329	5929 F

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.

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.

Not to scale.
Fixed Units only



PRODUCT SELECTION GUIDE

Features and Options



AWNING

STANDARD	OPTIONS / UPGRADES				
GLAZING					
Glazing Type					
Dual-Pane Insulating Glass	_				
Insulated Glass Options/Low-	-E Types				
	SunDefense™ Low-E				
A	AdvancedComfort Low-E				
Advanced Low-E	NaturalSun Low-E				
	Clear (no Low-E coating)				
Additional Glass Options					
	Tempered Glass				
	Obscure Glass ₁				
Annealed Glass	Tinted Glass (Bronze, Gray and Green)				
	Non-Impact Laminated Dual-Pane Insulating Glass				
Gas Fill/High Altitude					
	High Altitude				
Argon	High Altitude with Argon				
EXTERIOR					
EnduraClad® protective finish	EnduraClad Plus protective finish				
Cladding Colors					
27 Standard colors	Custom Colors ₁				
INTERIOR					
	Factory primed				
Unfinished wood	Factory prefinished paint₁				
	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 System2	-				
GRILLES					
Integral Light Technology® G	rilles				
_	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				

 $[\]hbox{(1) Contact your local Pella sales representative for current designs and color options. } \\$

⁽²⁾ Unit width determines availability.



DETAILED PRODUCT DESCRIPTIONS

Aluminum-Clad Awning

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 positiveacting 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

- 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
 - Insulating glass contains non-glare spacer between the panes of
 - Grilles are adhered to both sides of the insulating glass with VHB acrylic adhesive tape and aligned with non-glare spacer.
- Grilles-Between-the-Glass₂
 - Insulating glass contains 3/4" contoured aluminum grilles permanently installed between two panes of glass (exterior air-space on triple-pane insulating glass).
 Patterns are [Traditional] [Prairie] [Cross] [Top Row] [Custom - Equally
 - Divided].
 - Interior color is [White] [Black] [Tan4] [Brown4] [Putty4] [Ivory] [Brickstone] [Harvest] [Cordovan].
 - Exterior color₅ is [Standard₂].

- 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.

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.
- 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.

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

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

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

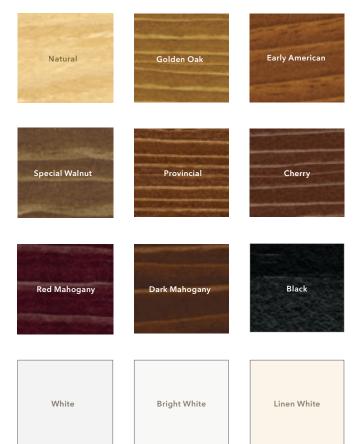
⁽⁴⁾ Tan, Brown or Putty Interior GBG colors are available in single-tone (Brown/Brown, Tan/Tan or Putty/Putty). Other interior colors are also available with tan or brown exterior.

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

Impeccably coordinated.

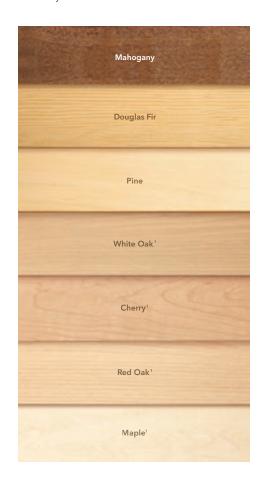
PREFINISHED PINE INTERIORS

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



WOOD TYPES

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



ALUMINUM-CLAD EXTERIORS

Pella's low-maintenance EnduraClad* exterior finish resists fading, so your windows and patio doors stay looking great for years.

Take this beauty and durability one step further with Pella EnduraClad Plus² protective finish that provides exceptional weatherability.

Plus, Pella offers virtually unlimited custom color options for a unique look.





The One and Only NanaWall Opening Glass Walls

Residential and Commercial Folding - Sliding - Frameless





Gloria's Restaurant, Dallas TX NanaWall Folding System SL70: large opening, highly energy efficient, floor supported system Architect: MSC Design

NANAWALL FOLDING GLASS WALLS

NanaWall Folding Glass Walls offer clean lined aesthetics and narrow profiles. The folding walls are available in aluminum, solid wood and clad finishes with a choice of numerous sill options, including a surface mounted sill and ADA compliant sill options.

Folding System Highlights

- Nine distinct systems of connected bi-folding door panels.
- Match any architectural style with numerous system choices.
- Easy operation—no matter the size or number of panels.
- Top-hung or floor supported models, inward or outward openings.
- Panel heights of up to 12' (3660 mm) and widths of 4' (1220 mm) are possible.
- Convenient swing entry doors, with an up to 180° swing plane, may be hinged to a side jamb or be configured within the chain of panels.
- Moving structural posts provide unparalleled strength in our Miami-Dade County and AAMA hurricane approved (NOA #'s 15-0226.05 and 15-226.06) folding system SL73.





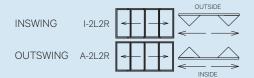
Standard Configurations

Over fifty opening configurations are possible with inward and outward openings. For easy entry/egress, locking swing panels may be attached to a side jamb or attached to the end of a chain of bi-fold panels.

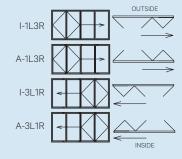
This chart shows inward opening configurations with most panels folded to MODEL: the right. The exact mirror configurations can be achieved with the majority of the panels folded to the left. The same configurations are also available outward opening. See chart at right for all 4-panel possibilities. Legend: Indicates folding direction Indicates single swing panel I-4L6R Indicates pair of swing doors I=Inward Opening A=Outward Opening I-5L5R Visit NanaWall.com and search FOLDCONFIG for configuration examples

4-Panel Folding System Basic Configurations

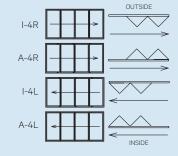
SYMMETRIC SOLUTION



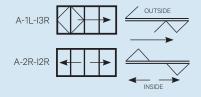
PAIR OF SWING DOORS SOLUTION



ALL PANELS FOLDING TO ONE SIDE



INWARD / OUTWARD



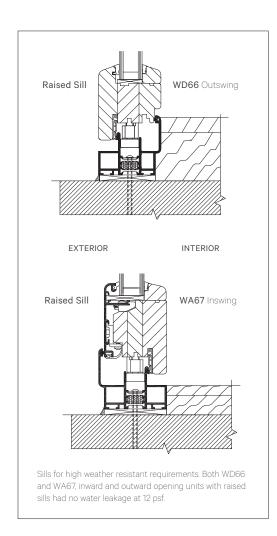
Similar configurations are possible with other numbers of panels.

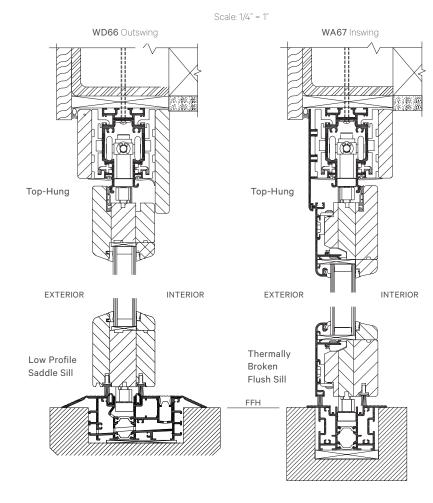
Sill Option Choices for Wood and Clad Framed Systems

NanaWall Systems offers different sill options to meet specific application requirements. Shown are examples. Please see our architectural binder for our complete line of wood and clad system sill choices.



Visit NanaWall.com and search FOLDSELECT for the Product Selection Tool



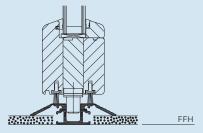


WA67 Features and Benefits

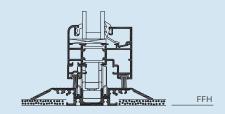
- Maintenance free extruded aluminum exterior and the warmth of wood inside.
- Aluminum cladding attached using a back ventilated rain screen technique to protect and isolate the wood.
- Wood components are 100% solid wood of choice, cross-grained and triple laminated for strength.

Surface Mounted Interior Sills

WD65 Surface Mounted Sill



SL70 Surface Mounted Sill





Park City Residence, Park City UT NanaWall Folding Glass Wall WA67: aluminum clad wood framed folding system, divided lites, top-hung or floor supported system Architect: Otto Walker Architects

NanaWall Finishes, Glazing & Hardware Options

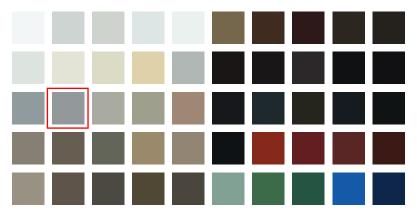
Standard 50 Finishes for Aluminum and Clad Systems

With 50 standard and over 200 colors available in powder coat and anodized finishes as well as PVDF Kynar for select systems.

Custom matched colors and simulated wood effects are also available.

For accurate color swatch examples, please request our Powder Coating Finish Options brochure.

STANDARD POWDER COAT OPTIONS



Glazing Area Options

• Glazing options include insulated, low-E, argon filled triple insulated low-E, bird protection glass, turtle glass, Heat Mirror, impact, and other specialty glass.

Custom layouts with horizontal mullions, simulated divided lites, inserts, and high bottom rails are possible.

Wood Finish Options

Standard woods include Douglas Fir, Pine, Spruce, and Meranti. Oak, Sapeli Mahogany and other specialty woods are available upon request, please consult NanaWall for additional costs. For accurate wood representation, please request our Wood & Finish Options brochure.

SELECT WOOD FINISH OPTIONS

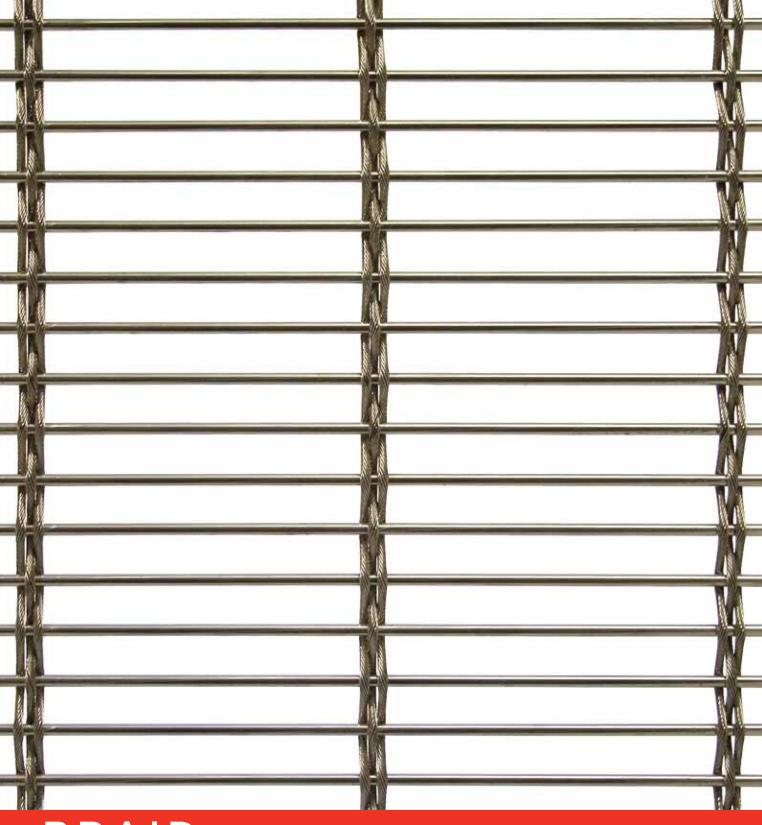


^{*}Available with upcharge.



Hardware Options

The standard locking hardware is compatible with a wide array of commercially available handle sets and escutcheon plates to match any design style.



BRAID

Flexible	
Material	Stainless Steel
Open Area	65%
Weight	1.8 lb/ft²
	8.79 kg/m ²
Maximum Width	240" (6.1 m)

Attachments	
Eclipse™	
Scroll™	
Velocity™	



WWW.CAMBRIDGEARCHITECTURAL.COM TOLL FREE 866 806 2385

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

search

TWELIGHTING

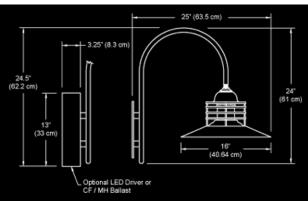
PRODUCTS

CUSTOMER CARE

COMPANY

CUSTOM





CHINA IP55

PRODUCT CODE

CHW0016 - __ - __ - __ - __

1. LAMPING

1x 150W INC Α. В. 1x 26W PL-T 1x 32W PL-T C.

1x 70W MH ED-17

E. 20W LED

2. VOLTAGES

1. 120V

2. 277V

347V (consult factory) 3.

220 to 230V 4.

3. FINISHES

F19

Note * Supplied with the same finish on all surfaces.

F05 White*

F09 Pewter

F15 Matte Black

F16 Gloss Black

Mirror Silver* F21 **Architectural Bronze**

F31 Silver Metallic* RL RAL Custom Color (specify)

4. OPTIONS

DML LED Dimmer (0 - 10V, current sinking control, indoor only)

Dimming Ballast Advance Mark 10 (indoor only; fluorescent only; consult

DMDL Dimming Ballast Lutron (indoor only; fluorescent only; consult TMS)

BU Emergency Ballast (remote, consult TMS; fluorescent only)

GR275 Wire Guard

Prismatic, Elongated Globe, 7"h x 3"d (Max. INC150W, CF32W, MH70W)

The China is ideal for illuminating areas where localized distribution is necessary, such as doorways and entrances, laneways, patios, and could provide adequate nighttime security lighting. It lends itself to commercial, and industrial applications that could benefit from materials and maintenance cost reductions. China could either augment the existing lighting system, or illuminate a small to medium-sized

TMS Lighting Inc. 905.793.1174

info@torontometalspinning.com





SimpL-Clip System

- thermally broken
- made of light weight aluminum
- supports continuous insulation
- creates a rain screen
- response time within 24 hours
- supports other cladding up to 8 lbs per sq ft.
- adjustable for sub-wall misalignment
- health product declarations
- support for specifications + drawings
- built for seismic zones



easy to use	quick delivery
solid	durable
warranty	finishes

longboardproducts.com



WOODGRAIN OPTIONS

Our woodgrain options are divided into four categories based on the consistency of the wood grain pattern.

CONSISTENT



DARK ACACIA



DARK BAMBOO



LIGHT BAMBOO



DARK FIR



LIGHT FIR



DARK KNOTTY PINE



LIGHT OAK



DARK WALNUT



ITALIAN ROSEWOOD



WHITE OAK



Series 403X 2" x 4 1/2" Thermal Storefront Framing



CONFIGURATIONS

Shear Block • Screw Spline

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

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

Series 403X 2" x 4 1/2" Thermal Storefront Framing



Frame Construction

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

Door Frames

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

Weather Stripping

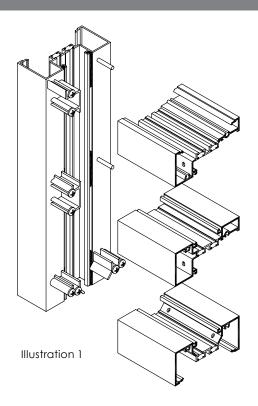
All entrance frames are weather-stripped with bulb gasket.

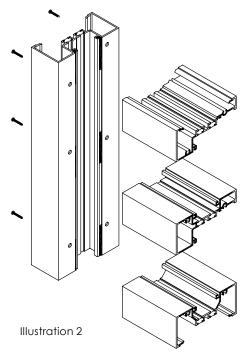
Thermal Barrier

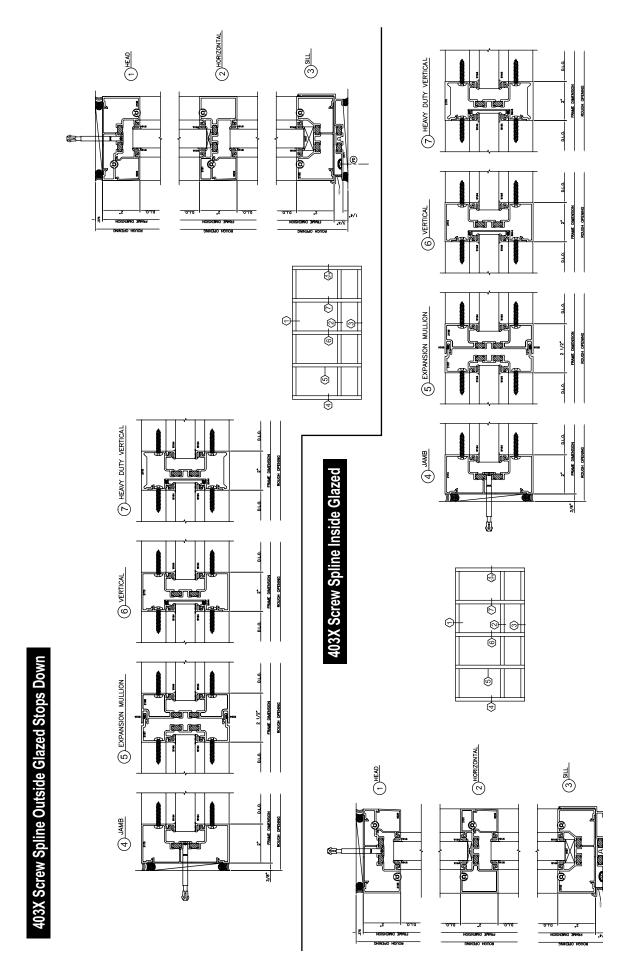
All frames and vents are thermally broken using the latest technology in a two part, high density polyurethane, with core framing members having dual thermal pockets for improved thermal performance.

Glazing

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









COATINGS FINISHES COLORS

ULTRAPON (70% PVDF)



ULTRA-ESCENT II (70% PVDF MICA*)



¹The 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.

