



# CAMBRIDGE HISTORICAL COMMISSION

831 Massachusetts Avenue, 2<sup>nd</sup> Fl., Cambridge, Massachusetts 02139  
Telephone: 617 349 4683 TTY: 617 349 6112  
E-mail: histcomm@cambridgema.gov URL: www.cambridgema.gov/Historic

RECEIVED

AUG 13 2019

CAMBRIDGE HISTORICAL COMMISSION

## APPLICATION FOR CERTIFICATE

1. The undersigned hereby applies to the Cambridge Historical Commission for a Certificate of (check one box):  Appropriateness,  Nonapplicability, or  Hardship, in accordance with Chapter 40C of the Massachusetts General Laws and/or Chapter 2.78 of the Municipal Code.

2. Address of property:  , Cambridge, Massachusetts

3. Describe the proposed alteration(s), construction or demolition in the space provided below: (An additional page can be attached, if necessary).

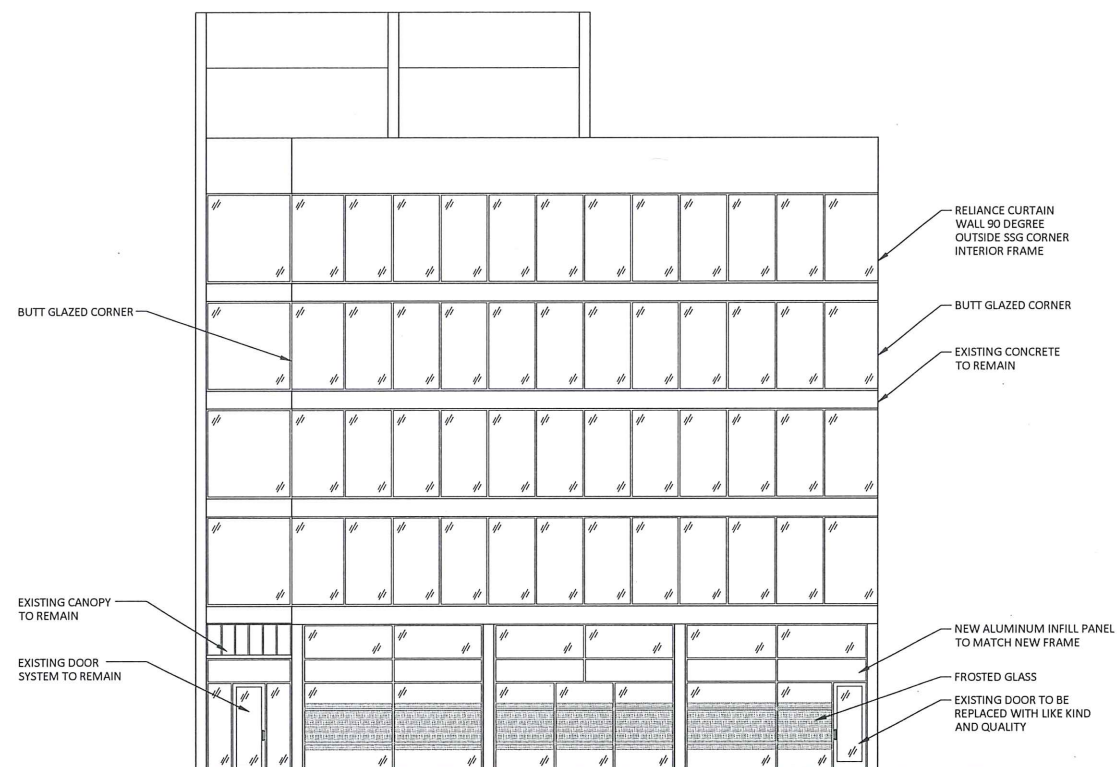
Harvard University proposes to replace the windows at 14 Story Street, a five story 28,000 GSF structure with International Style design features including metal frame window systems with butt glazed corners between each of the concrete floor slabs and the extension of the exterior brick pavement into the main lobby. Harvard will replace all of the exterior windows including two doors that are within tenant occupied space maintaining the original architectural details including the mullion layout, depth, profile and corner detail. Harvard will consult with CHC on the color of the window glass including a review of glass samples. No film is proposed.

Olde Castle is the manufacturer selected for the window and door replacement following the same specifications used for the north entrance door replacement in 2018 and the future south entrance replacement that is permitted separately.

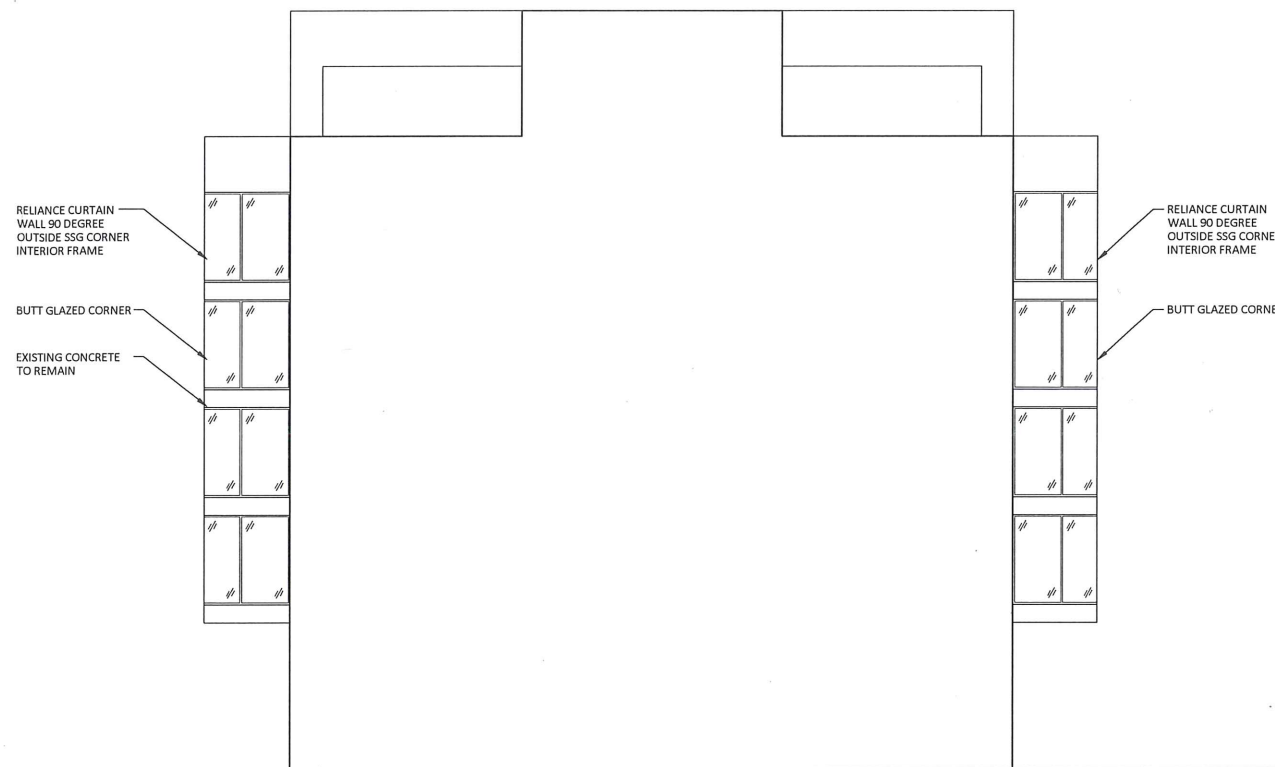
I certify that the information contained herein is true and accurate to the best of my knowledge and belief. The undersigned also attests that he/she has read the statements printed on the reverse.

<b>Name of Property Owner of Record:</b>	<input type="text" value="President and Fellows of Harvard College c/o Kathleen McCarthy, HRE"/>		
<b>Mailing Address:</b>	<input type="text" value="1350 Massachusetts Avenue Suite 980 Cambridge MA 02138"/>		
<b>Telephone/Fax:</b>	<input type="text" value="617-496-8357/617-496-8793"/>	<b>E-mail:</b>	<input type="text" value="kathy_mccarthy@harvard.edu"/>
<b>Signature of Property Owner of Record:</b>	<i>Kathleen McCarthy</i> owner representative		
<small>(Required field; application will not be considered complete without property owner's signature)</small>			
<b>Name of proponent, if not record owner:</b>	<input type="text"/>		
<b>Mailing Address:</b>	<input type="text"/>		
<b>Telephone/Fax:</b>	<input type="text"/>	<b>E-mail:</b>	<input type="text"/>

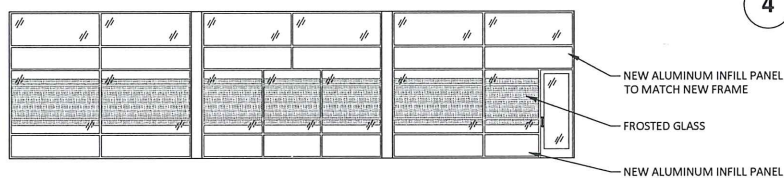
<small>(for office use only):</small>			
<b>Date Application Received:</b>	<input type="text" value="8/13/19"/>	<b>Case Number:</b>	<input type="text" value="4172"/>
		<b>Hearing Date:</b>	<input type="text" value="9/5/19"/>
<b>Type of Certificate Issued:</b>	<input type="text"/>	<b>Date Issued:</b>	<input type="text"/>



**4 NORTH ELEVATION**  
SCALE: 1/8"=1'-0"

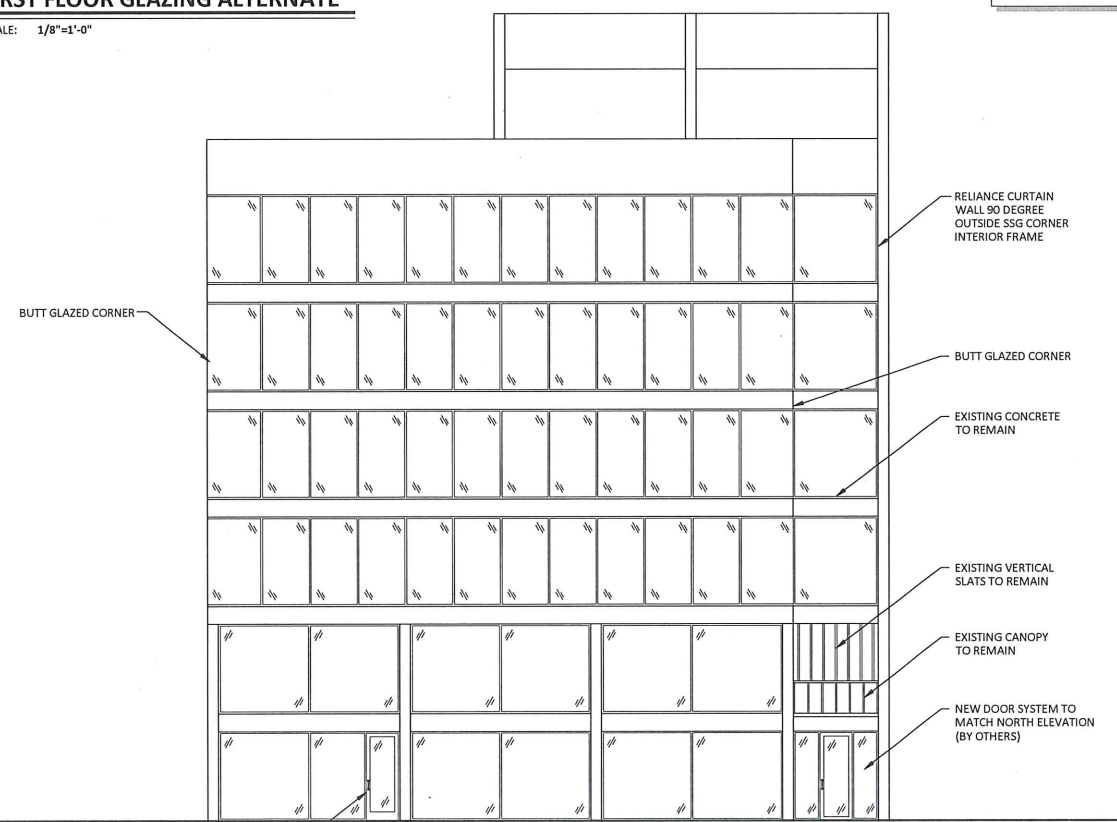


**3 WEST ELEVATION**  
SCALE: 1/8"=1'-0"

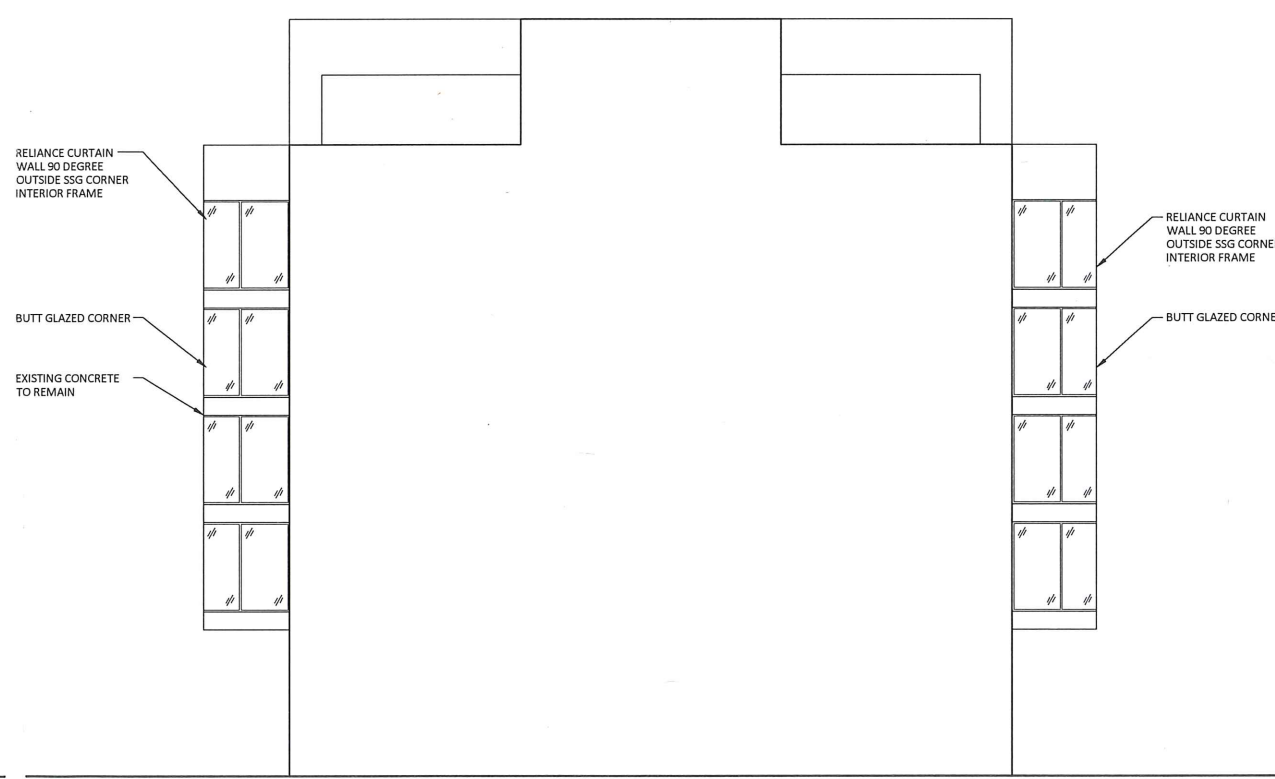


**5 FIRST FLOOR GLAZING ALTERNATE**  
SCALE: 1/8"=1'-0"

- RELIANCE 2.5x5.5 ANODIZED ALUMINUM CURTAIN WALL SYSTEM
- 3/4" LOW-E TEMPERED GLAZING
- EXTERIOR GLAZING SEALANT COLOR TO MATCH NEW FRAME
- ALUMINUM WINDOW HEAD FLASHING DRIP EDGE



**2 SOUTH ELEVATION**  
SCALE: 1/8"=1'-0"

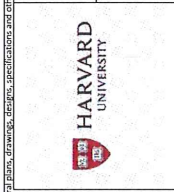


**1 EAST ELEVATION**  
SCALE: 1/8"=1'-0"

No.	Date	Description

**HARVARD UNIVERSITY**  
1350 MASSACHUSETTS AVE, CAMBRIDGE, MA

**14 STORY ST WINDOW REPLACEMENT**  
14 STORY STREET, CAMBRIDGE, MA



scale	1/4" = 1'-0"
date	8/13/19
project	19401
drawn by	NK
checked by	SM

**EXTERIOR ELEVATIONS**

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**14 Story Street – Existing photos**



*First Floor South  
Elevation*



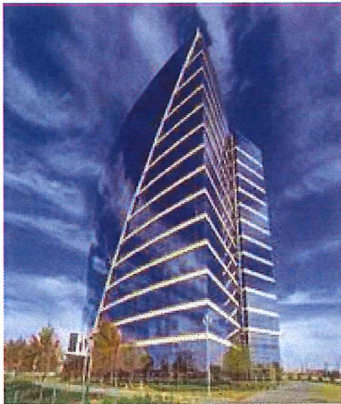
*North Elevation*

# Reliance™ Curtain Wall—outside glazed, high performance pressure equalized curtain wall system by Oldcastle BuildingEnvelope®



The Reliance™ Curtain Wall zone-glazed system is easy to install and features **exceptional water control** and outstanding thermal performance. 1" and 1-1/4" typical infill systems are offered with snap-in glazing adaptors to accommodate 1/4" spandrel glazing. In addition, a complete system for 1/4" infill is available. Reliance™ provides two gasket options: EPDM dense gaskets on both the interior and exterior, or EPDM sponge gaskets on the interior to accommodate molded corners. Other installation features include roll-over and roll-under horizontals to simplify typical field stick erection. Reliance™ Curtain Wall is thermally broken utilizing an EPDM push-in isolator, and an FRP pressure plate is available for the 1" and 1-1/4" systems to take thermal performance to the next level.

## Features



Granite Park III, Plano, TX  
Architect: BOKA Powell

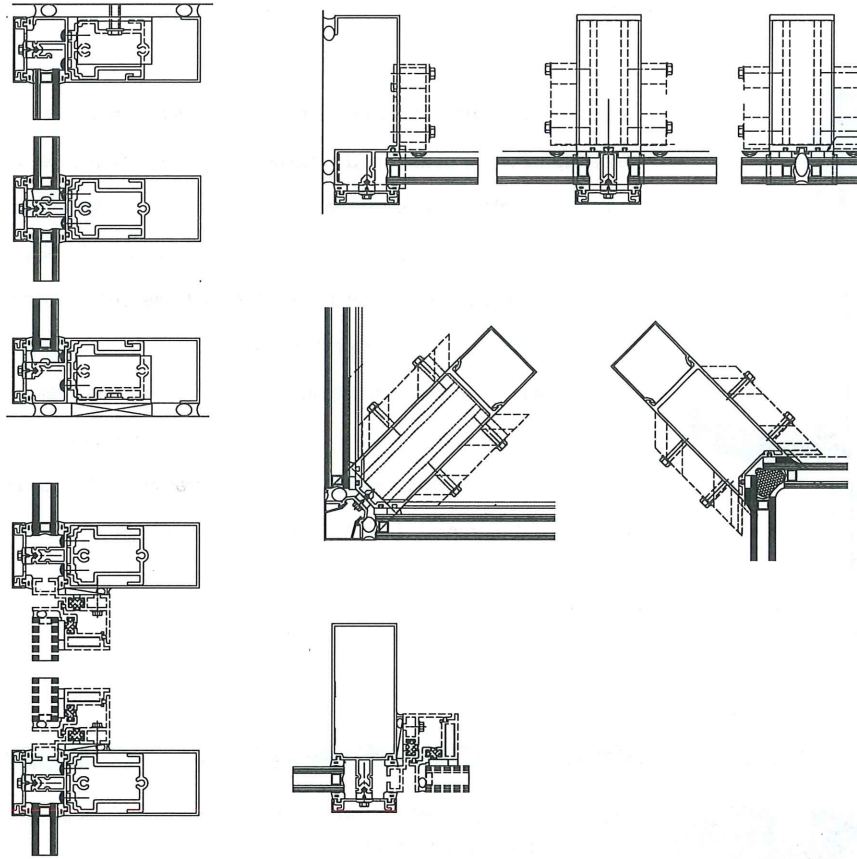
- Tubular stick built system with heavy-duty vertical options in order to meet higher design criteria
- Overall system dimensions: 2-1/2" sightlines in the following system depths:
  - 1/4" infill: 5-1/4" & 6-1/2"
  - 1" infill: 6", 7-1/4" & 10-1/8" (add 1/4" to depth for FRP pressure plate option)
  - 1-1/4" infill: 7-1/2" (add 1/4" to depth for FRP pressure plate option)
- Front set, outside glazed configuration
- Captured and SSG (structural silicone glazed) vertical mullions
- Thermally broken system
- Integrated Solar Eclipse™ sunshade and Solar Shelf™ light shelf
- Accommodates 1/4", 1" and 1-1/4" typical infills
- Available as a veneer system with 1/4" or 1" typical infill
- Accommodates glazed in projected and casement vents
- Accommodates low profile or flush door frames for entrance doors
- Factory-painted Kynar 500®/Hylar 5000® finishes, meeting all provisions of AAMA 2605
- Factory-anodized finishing



**Oldcastle BuildingEnvelope®**

*Engineering your creativity™*

Standard Details

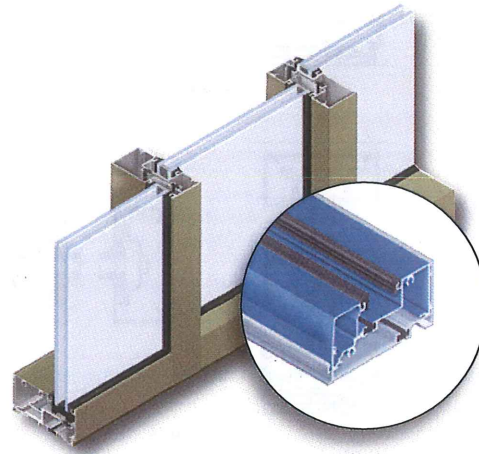


Performance

- Air Infiltration: <.06 CFM/SQ FT @ 6.24 PSF per ASTM E283
- Static Water: 15 PSF per ASTM E331
- Dynamic Water: 15 PSF per AAMA 501.1
- Deflection Load: 40 PSF per ASTM E330
- Structural Load: 60 PSF per ASTM E330
- Seismic: Three levels of deflection per AAMA 501.4
- STC per ASTM E90:
  - 37 with laminated glass
  - 33 with clear glass
- OITC per ASTM E90:
  - 30 with laminated glass
  - 28 with clear glass
- Thermal Performance per AAMA 1503 for clear 1" insulating glass:
  - Aluminum pressure plate
  - U-factor = 0.63 Captured / .61 SSG
  - CRF = 66 Captured / 70 SSG
  - FRP pressure plate
  - U-factor = 0.44 Captured
  - CRF = 68 Captured
- Thermal Performance per AAMA 1503 for Low-E 1" insulating glass:
  - Aluminum pressure plate
  - U-factor = 0.44 Captured and 0.37 SSG
  - CRF = 68 Captured and 73 SSG
  - FRP pressure plate
  - U-factor = 0.34 Captured
  - CRF = 78 Captured
- NFRC Certified and Thermal Performance Characteristics per AAMA 507

# Series 3000 Thermal Multiplane— the versatility of standard storefront systems with improved thermal performance

The Series 3000 Thermal Multiplane extends the versatility of standard storefront systems by offering **improved thermal performance** and multiple glass plane options. The Series 3000 Thermal Multiplane provides more options for head and sill anchorage, **structural silicone glazing** and a front set installation option utilizing continuous head and sill members. Designed for 1" infill, the Series 3000 Thermal Multiplane has available glazing adapters and gasket options for infills ranging from 1/4" to 1-1/8".



First Community Credit Union, St. Louis, MO  
Architect: TR,i Architects

## Features

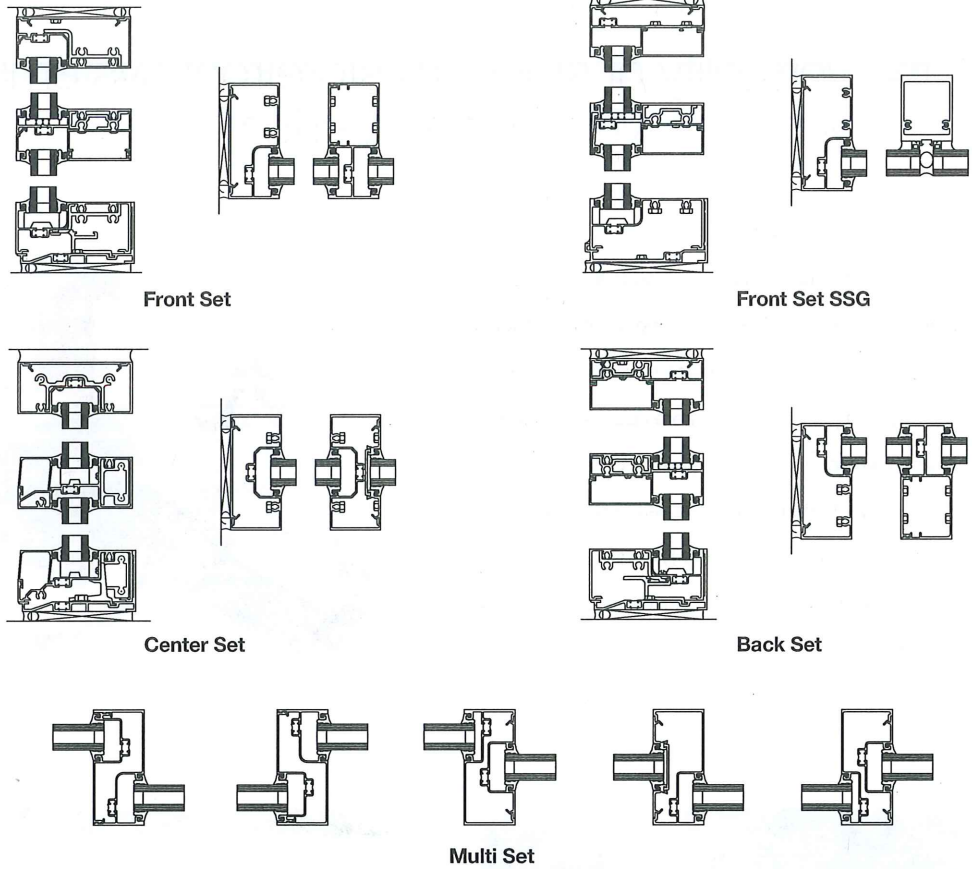
- Overall system dimensions: 2" x 4-1/2"
- Front Set, Center Set, Back Set or Multi Set glazing configurations
- Optional sill receptor requires no additional anchoring of sill member
- Optional thermally broken head anchor clip
- SSG glazing with patented funnel bridge option for Front Set
- Continuous head and sill assembly option for Front Set
- Screw spline and shear block assembly
- Outside and inside glazing options Complete
- 90° and 135° corners
- High sidelite base
- Thermally broken members with polyurethane thermal breaks
- Accommodates projected and casement vents
- Factory painted Kynar 500®/Hylar 5000® finishes, meeting all provisions of AAMA 2605
- Factory anodized finishing



**Oldcastle BuildingEnvelope®**

*Engineering your creativity™*

Product Details



Performance

- Air Infiltration: <.06 CFM/SQ FT @ 6.24 PSF per ASTM E283
- Static Water: 10 PSF per ASTM E331
- Deflection Load: 40 PSF per ASTM E330
- Structural Load: 60 PSF per ASTM E330
- STC per ASTM E90:
  - 32 with clear glass (Center and Front Set)
  - 37 with laminated glass (Center Set)
  - 38 with laminated glass (Front Set)
- OITC per ASTM E90:
  - 26 with clear glass (Center and Front Set)
  - 30 with laminated glass (Center and Front Set)
- Thermal Performance per AAMA 1503 for Low-E 1" insulating glass:
  - U-factor = 0.33, CRF = 68 Captured (Front Set)
  - U-factor = 0.31, CRF = 72 Captured (Front Set SSG)
  - U-factor = 0.32, CRF = 63 Captured (Center Set)
- NFRC Certified and Thermal Performance Characteristics per AAMA 507

