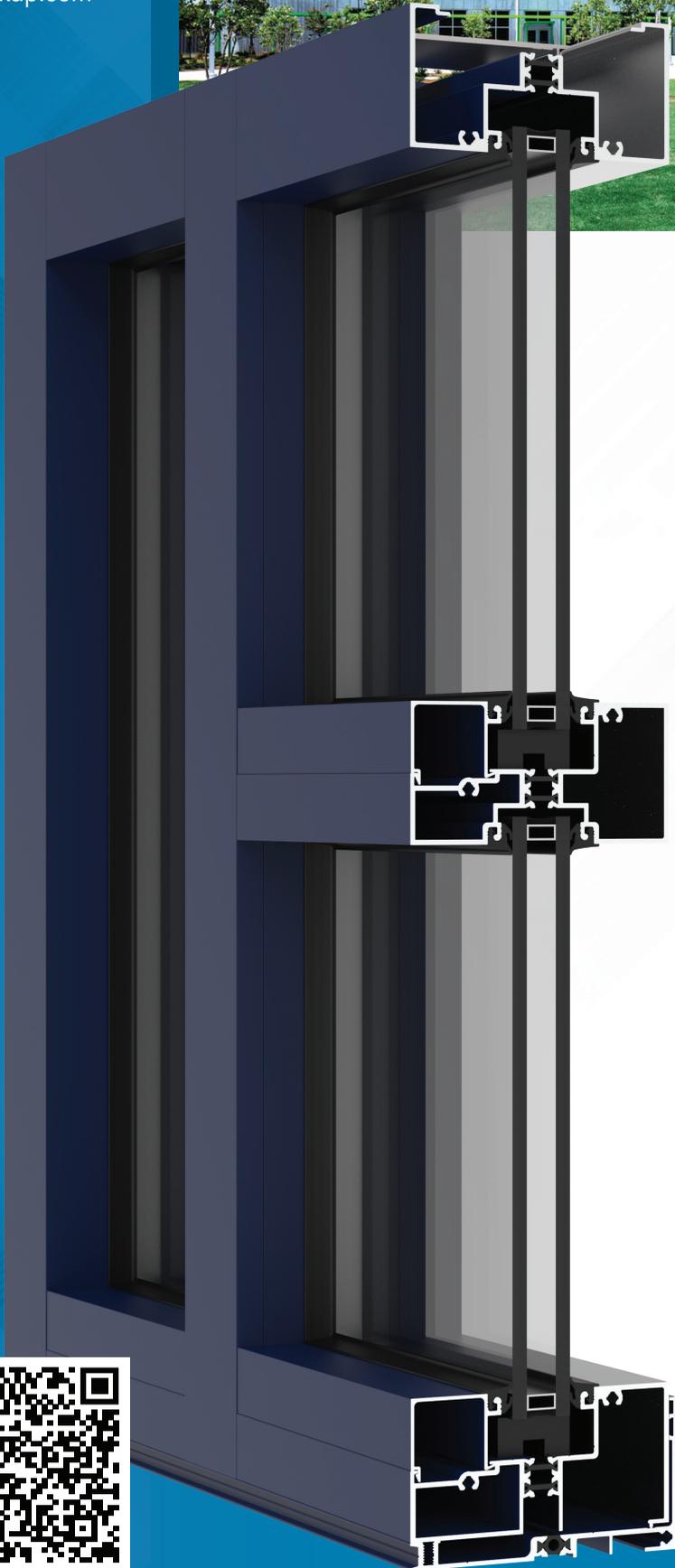


YKK aP[®]

www.ykkap.com



Kenner Discovery Health Sciences Academy - Kenner, LA



YES 45 FT

Flush Glazed, Center Set and Thermally Broken Storefront System

The **YES 45 FT** is a thermally broken storefront system for both monolithic and insulating glass. The system is thermally broken by our MegaTherm[®] technology, which provides a continuous thermal barrier while saving energy and reducing condensation. MegaTherm[®] incorporates 6/6 nylon polyamide glass-fiber reinforced pressure extruded bars that will not crack, shrink, or degrade.

- Separate Interior/Exterior Finish option
- 1" Standard Glazing with 1/4" Infill option
- High Performance Sill Flashing
 - ◆ No blind seals
 - ◆ Tall back leg for enhanced water resistance
 - ◆ Patented 3-point attachment of end dam
- Stick built assembly with concealed fasteners by Screw Spline or Shear Block
- Integrates with our YKK AP Entrances and Sun Control Systems

Configuration:

Glazing	Glass Setting	Installation
Outside	Center Set	Screw Spline or Shear Block

Thermal Values:

U-Factor:	Values as low as 0.36*
CRF:	Minimum 60 _{frame} and 67 _{glass}

*Based on NFRC 100. Lower values may be achieved through further simulation.



YES 45 FT SPECS		
Base Depth	4-1/2"	
Sightline	2-1/4"	
Config	Outside Glazed / Center Set	
Tested Glass	1" IGU with Low-E (C.O.G. U-Factor: 0.29)	
Test	Results	Standards
Air Infiltration	0.06 CFM/FT ² (1.10 m ³ /h·m ²) @ 6.24 PSF (299 Pa)	ASTM E 283
Water Infiltration	Static: 15 PSF (718 Pa)	ASTM E 331 AAMA 501

Thermal Performance		
Mullion Depth (1" IGU)	CRF	
2-1/4" x 4-1/2"	60	67
Center of Glass	Frame	Glass
	AAMA 1503	

Various System Options
Sidelite Bases, Glass Infills, Expansion Mullion, 90°, Static Mullions

Finish Options	
Type	Standard
Factory Anodized	AAMA 612
Organic Paints	AAMA 2604 AAMA 2605

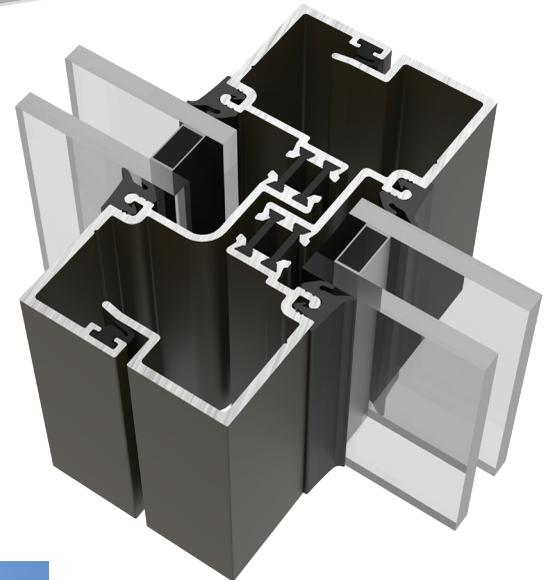
Sill Flashing Design

- ▶ 2" back leg on sill flashing – enhanced water resistance in the field and in water testing
- ▶ Three point attachment of end dam, with a foldable tab and two screws into flashing splines
- ▶ No sill anchoring required if end reaction is less than 500 lbs
- No secondary penetration of sill and flashing when properly sealed



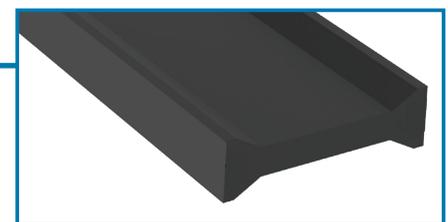
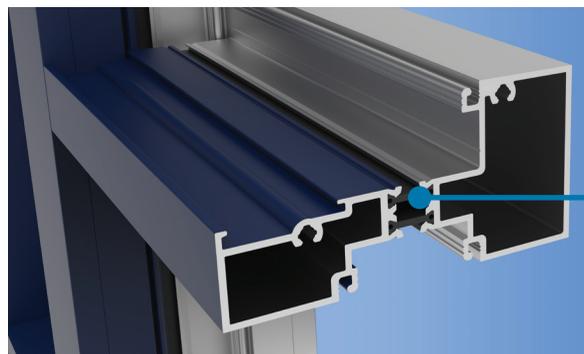
Expansion Mullion

With the use of our expansion mullion setup, sections of the YES 45 FT system can be placed easier in sections, rather than longer spans stick built in the field. This also allows vertical members to move freely to accommodate building floor structure movement. Failing to provide enough allowance for building movement can lead to a reduction in weather performance, glass breakage, and significant system failure.



Thermally Broken

This system utilizes a dual barrier 6/6 polyamide iso strut set that secures the inner and outer mullion pieces together. This strut provides a thermal barrier that conserves energy and limits heat transference. It will not degrade, crack or break due to the glass fiber reinforcement.



Additional information including CAD details, CSI specs, test reports and installation instructions are found on the Product Guide by clicking this link or visiting www.ykkap.com/commercial/productguide