

YKK aP[®]

www.ykkap.com



Jabil New Roosevelt Office Complex - St. Petersburg, FL

YHC 300 SSG

Shop/Cassette

Impact Resistant, 4-Sided Structural Silicone Glazed Curtain Wall System

The **YHC 300 SSG Cassette** is a 4-side structural silicone glazed system designed for hurricane impact resistance. The framing is stick built in the field. Shop glazed cassettes interlock with integral adapters on the horizontals to create full width engagement top and bottom. This process makes assembly efficient and cost effective.

- Multiple system depths available
- Inside & outside corners - 90° and 135°
- Glazing options for 70 PSF and 90 PSF
- Horizontal stack joints for multi-span
- Accommodates splayed wall designs
- IBC/Florida Product Approvals for Large and Small Missile along with HVHZ

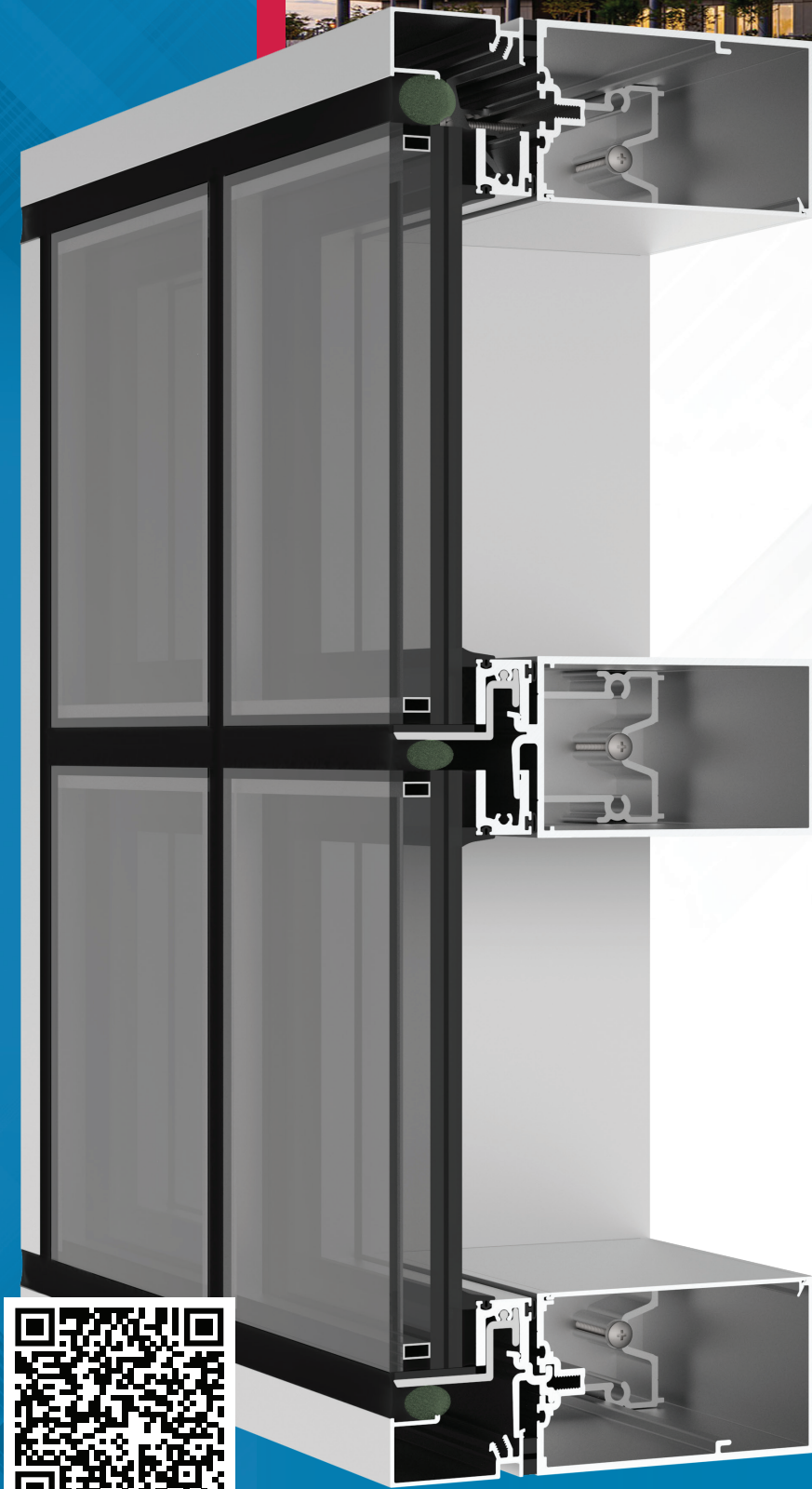
Configuration:

Glazing	Glass Setting	Installation
SSG	Front Set	Shear Block

Thermal Values:

U-Factor:	Values as low as 0.30*
CRF:	Minimum 81 frame and 68 glass

*Based on AAMA 507. Lower values may be achieved through further simulation.



YHC 300 SSG CASSETTE SPECS		
Base Depth	7-11/16"	
Sightline	3"	
Config	Structural Silicone Glazed / Front Set	
Tested Glass	1-5/16" Laminated 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) Dynamic: 15 PSF (718 Pa)	ASTM E 331 AAMA 501
Acoustical (1-5/16" IGU)	Laminated STC: 39 Laminated OITC: 33	ASTM E 90 ASTM E 1425

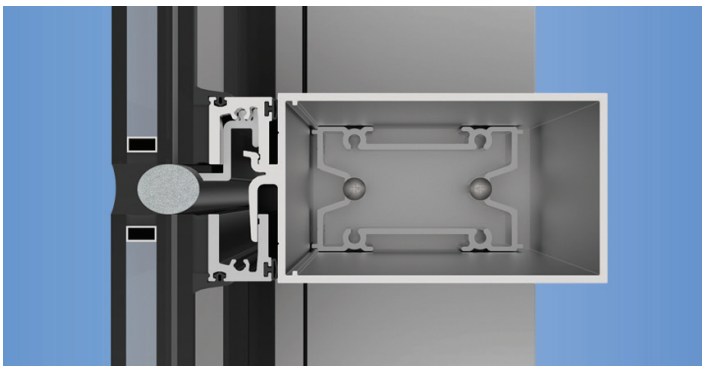
Thermal Performance								
Mullion Depth	U-Factor - BTU/hr·ft ² ·°F						CRF	
3" x 7-11/16"	0.38	0.37	0.35	0.33	0.31	0.30	81	68
Center of Glass	0.30	0.28	0.26	0.24	0.22	0.20	Frame	Glass
AAMA 507							AAMA 1503	

Finish Options	
Type	Standard
Organic Paints	AAMA 2605

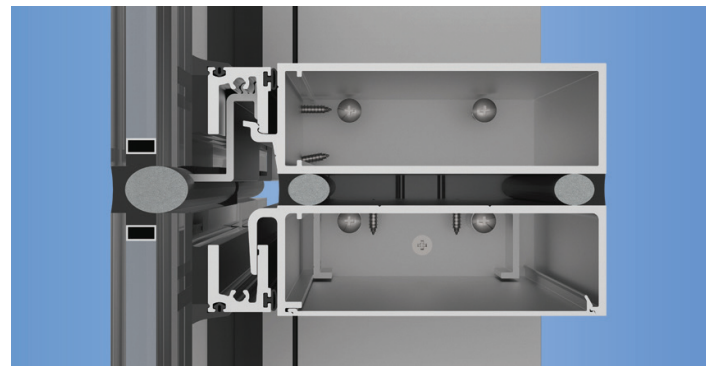
Product Approvals	
Missile Level A, D, E	Wind Zone 3
Hurricane HVHZ	International ICC
Florida FBC	Texas TDI

Mullion Depth Options
Low (45-55 PSF)
5-21/32"
Med (60-90 PSF)
7-11/16"
High (90-130 PSF)
10-1/2"

Standard vs Spliced Mullions

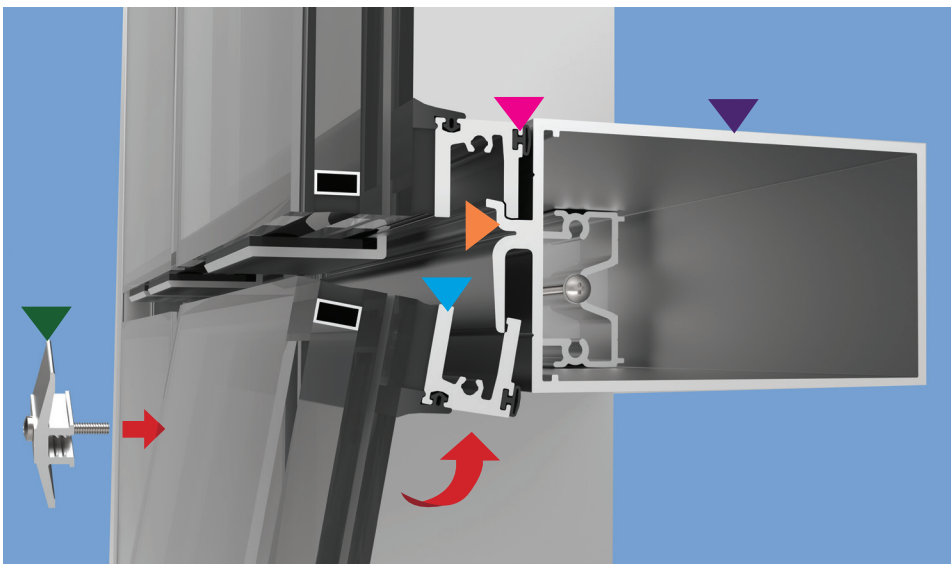


Standard horizontal mullion for typical single-span applications



Horizontal splice joint to accommodate multi-span applications

Cassette Glazing - A Closer Look



- ▼ **WARMER INTERIOR SURFACES**
 Greater occupant comfort and increased resistance to condensation
- ▼ **SPECIALLY DESIGNED FITTING**
 Specially created mullion to help secure and interlock pre-glazed window unit
- ▼ **CASSETTE PANELS**
 Glass is structurally silicone glazed to an aluminum carrier frame (cassette) in a clean, controlled shop environment. The glazed cassettes are then inserted, rotated and set on integral support "shelves"
- ▼ **TOGGLE CASSETTE CLIPS**
 Specially designed clips lock units into place and help with system stability
- ▼ **CLEAN INTERIOR AESTHETICS**
 Clean, unobtrusive lines at junctions of the cassette unit and back member

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