

# YKK aP®

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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

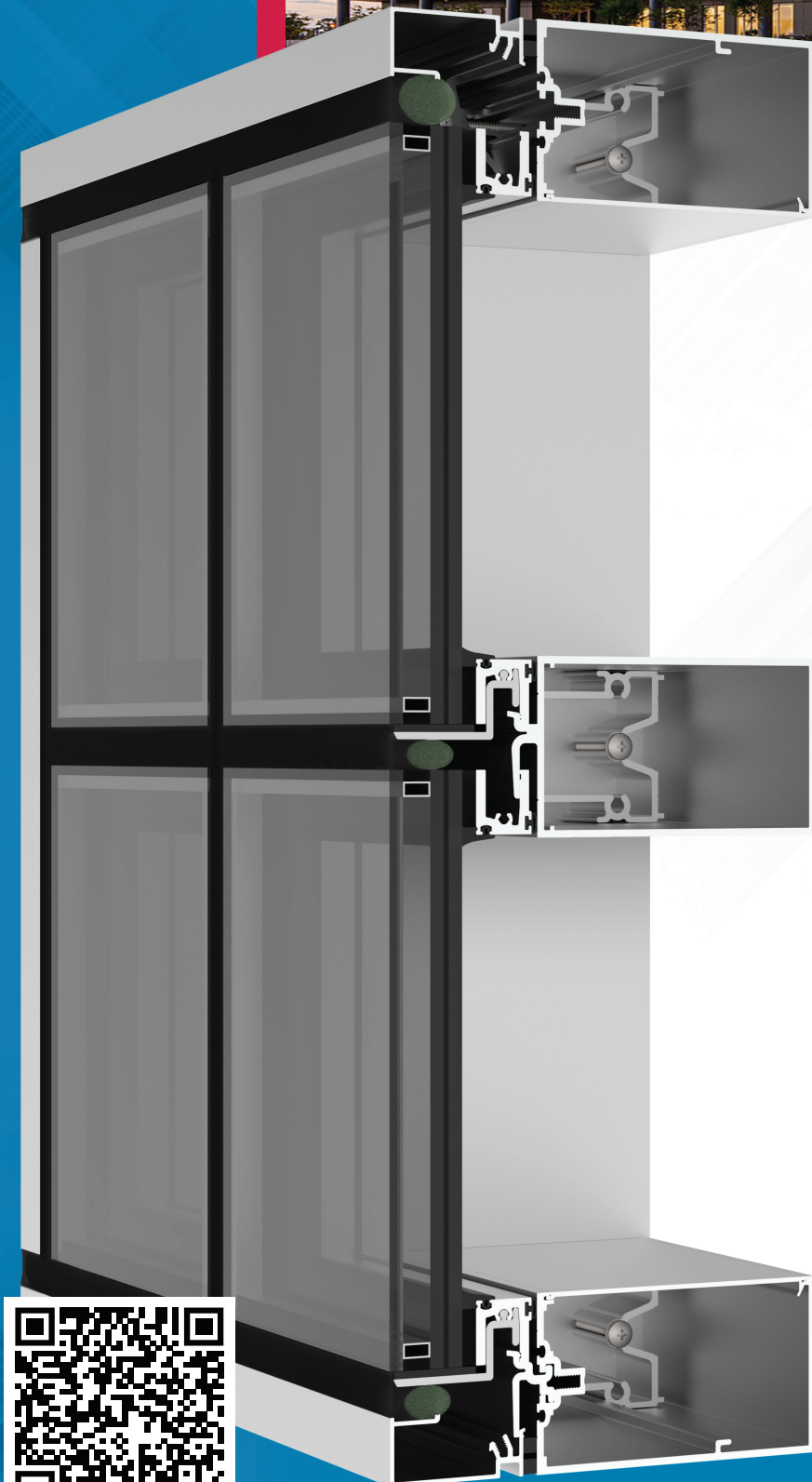
#### Configuration:

| Glazing | Glass Setting | Installation |
|---------|---------------|--------------|
| SSG     | Front Set     | Shear Block  |

#### Thermal Values:

|                  |   |
|------------------|---|
| <b>U-Factor:</b> | Values as low as <b>0.30*</b>               |
| <b>CRF:</b>      | Minimum <b>81</b> frame and <b>68</b> 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<br>(C.O.G. U-Factor: 0.29)                              |                          |
| Test                        | Results  | Standards                |
| Air Infiltration            | 0.06 CFM/FT <sup>2</sup> (1.10 m <sup>3</sup> /h·m <sup>2</sup> )<br>@ 6.24 PSF (299 Pa) | ASTM E 283               |
| Water Infiltration          | <b>Static:</b> 15 PSF (718 Pa)<br><b>Dynamic:</b> 15 PSF (718 Pa)                        | ASTM E 331<br>AAMA 501   |
| Acoustical<br>(1-5/16" IGU) | <b>Laminated STC:</b> 39<br><b>Laminated OITC:</b> 33                                    | ASTM E 90<br>ASTM E 1425 |

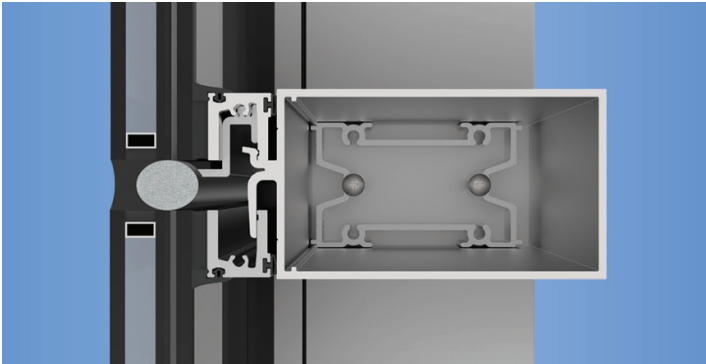
| Thermal Performance |                          |      |      |      |      |      |           |       |
|---------------------|--------------------------|------|------|------|------|------|-----------|-------|
| Mullion Depth       | U-Factor - BTU/hr·ft²·°F |      |      |      |      |      | CRF       |       |
| 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 |

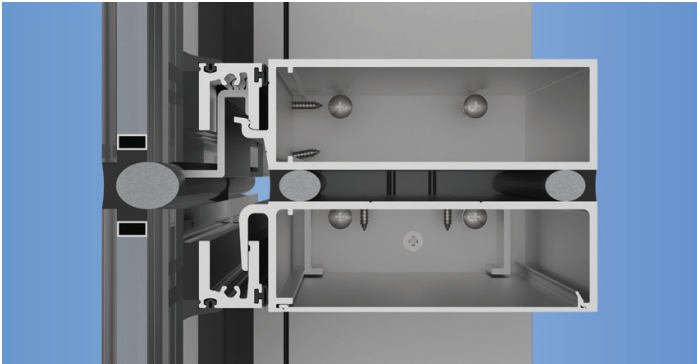
| Product Approvals   |                   |
|---------------------|-------------------|
| Missile Level A & D | Wind Zone 3       |
| Hurricane HVHZ      | International ICC |
| Florida FBC         | Texas TDI         |

| 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

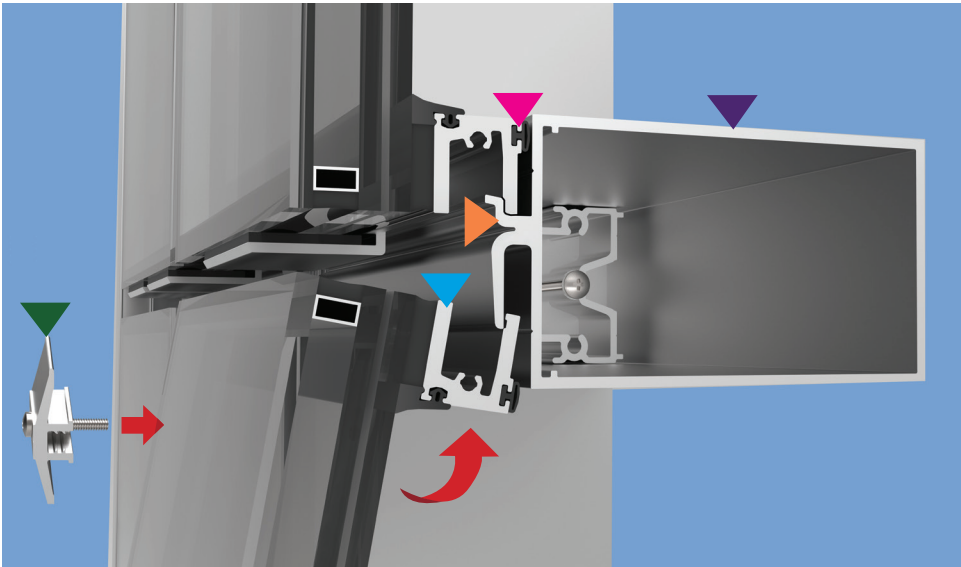


Standard horizontal mullion for typical single-span applications



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](http://www.ykkap.com/commercial/productguide)