



> YCW 750 SSG

Two and Four-Side Silicone Glazed
Curtain Wall System

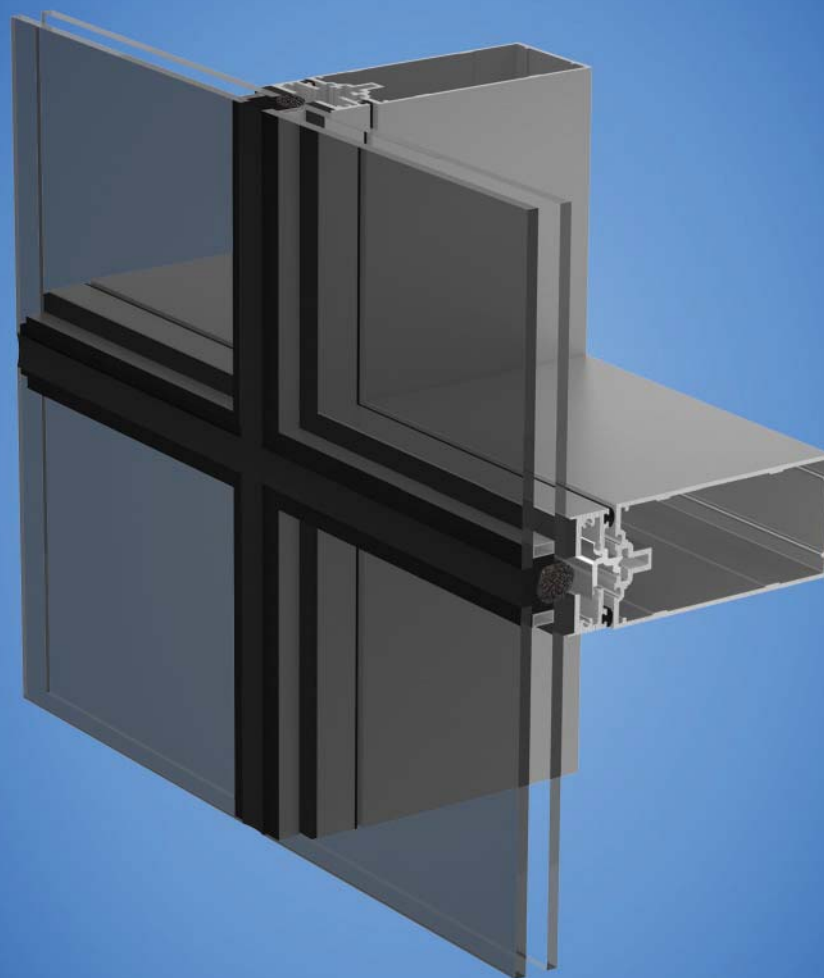
SYSTEM DESCRIPTION:

The popular YCW 750 family of products has been expanded to include 4-side structural silicone glazing. This stick built system is designed for glazing either in the field or in a climate controlled environment for increased quality assurance of critical seals. Shop glazed cassettes interlock with integral adapters on horizontals to create full width engagement top and bottom.

YCW 750 SSG accommodates YKK AP's Luminance® light shelves for a complete sustainable design solution.

OPTIONS & FEATURES:

- Versatile Framing Design
 - ◆ 5" to 10-3/8" system depths available
 - ◆ 4-side structural silicone shop glazing
 - ◆ 2-side or 4-side structural silicone glazed in the field
 - ◆ 4-Side captured (YCW 750 OG & YCW 750 IG)
 - ◆ 90° inside and outside corners
 - ◆ Accommodates splayed wall designs
- Structural setting block chairs
- Variety of face covers
- Dual Finish capability (inside / outside finish)



Shop Glazed Option Shown

> YCW 750 SSG

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Specifications

Deflection: Maximum allowable deflection in any member when tested in accordance with ASTM E 330 with allowable stress in accordance with AA Specifications for Aluminum Structures.

- For spans less than 13'-6" (4.1m): L/175 or 3/4" (19.1mm) maximum.
- For spans greater than 13'-6" (4.1m) but less than 40'-0" (12.2m): L/175 or L/240 + 1/4" (6.4mm).

Thermal Movement: Provide for thermal movement caused by 180 degrees F. (82.2 degrees C.) surface temperature, without causing buckling stresses on glass, joint seal failure, undue stress on structural elements, damaging loads on fasteners, reduction of performance.

Air Infiltration: Completed curtain wall systems shall have 0.06 CFM/FT² (1.10 m³/h·m²) maximum allowable infiltration when tested in accordance with ASTM E 283 at differential static pressure of 6.24 PSF (299 Pa).

Water Infiltration: No uncontrolled water on indoor face of any component when tested in accordance with:

- ASTM E 331 at a static pressure of 15 PSF (718 Pa).
- AAMA 501 at a dynamic pressure of 15 PSF (718 Pa).

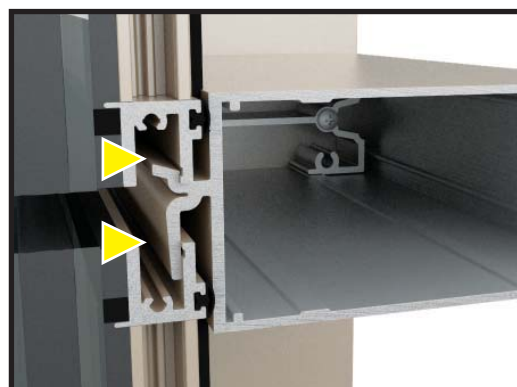
Thermal Performance: When tested in accordance with AAMA 1503.1 and NFRC 102:

- Thermal Transmittance U Value:
Shop Glazed: 0.36 BTU/HR/FT²/°F or less.
Field Glazed: 0.38 BTU/HR/FT²/°F or less.
- Condensation Resistance Factor (CRF_f):
Shop Glazed: A minimum of 80.
Field Glazed: A minimum of 76.

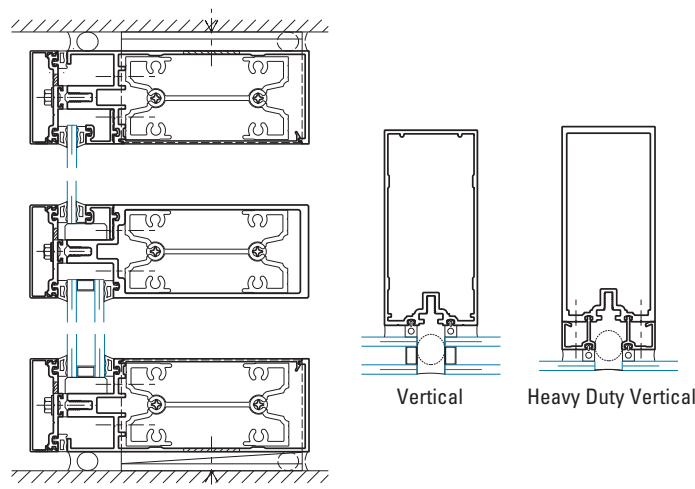
Sound Transmission: ASTM E 90 and AAMA 1801:
STC: 1" IGU; 33, 1" Laminated; 37 (Shop Glazed)
OITC: 1" IGU; 26, 1" Laminated; 31 (Shop Glazed)
STC: 1" IGU; 33, 1" Laminated; 36 (Field Glazed)
OITC: 1" IGU; 27, 1" Laminated; 31 (Field Glazed)

Seismic Movement: When tested in accordance with AAMA 501.4:
a. Inter-story Differential Lateral Movement Test: Passed with design displacement of 0.010 times the story height and meets the performance criteria for a Highest Occupancy Assembly (Group III in NEHRP Provisions).
b. Seismic Movement Test: Passed at 1.5 times design displacement.

*Thermal and sound performance testing conducted with medium pressure components



Two-Side SSG Option



 Curtain Wall framing erected on site.

 Glass is structurally silicone glazed to an aluminum carrier frame or cassette, in a clean, temperature controlled shop environment.

 Glazed cassette interlocks with an integral adaptor on the horizontals

Mechanical attachment is completed with installation of rotating lock bars on verticals (not shown).

For additional information on architectural aluminum products offered by YKK AP America Inc. visit our web site at www.ykkap.com.

SUBMITTAL IDENTIFICATION SHEET

To be completed by Contractor/CM

WEBSTER UNIVERSITY ISB

PROJECT NAME

8274 BIG BEND BLVD

ADDRESS

NUMBER

WEBSTER UNIVERSITY

OWNER

CANNON DESIGN

ARCHITECT / ENGINEER

DEVIN D GATES

SUBMITTED BY

084423-003

CONTRACTOR / CM SUBMITTAL NO.

CANNON DESIGN SUBMITTAL NO.

NGG

DRAWING / DETAIL REFERENCE

084423

SPECIFICATION SECTION / PARAGRAPH

MANUFACTURER / SUPPLIER

ITEM / PRODUCT ID

REQUIRED DATE

PRIORITY

CRITICAL

ITEM BEING SUBMITTED (check only one)

- ☐ Shop Drawings
☐ Samples
☐ (____ copies)
☐ LEED Submittal
☐ Other _____
- ☐ Certification / Qualifications
☒ Record Documents
☐ Product Data
- ☐ Coordination Drawing
☐ Calculations
☐ Schedules
☐ O&M Manuals

ITEM BEING SUBMITTED FOR (check only one)

- ☒ Action
☐ Information Only
☐ Record

REMARKS OR DEVIATIONS

CONTRACTOR / CM CERTIFICATION
(SUBMITTALS NOT CERTIFIED WILL BE RETURNED WITHOUT REVIEW)



PARIC CORPORATION
SUBMITTAL STAMP

THIS SHOP DRAWING HAS BEEN REVIEWED BY PARIC CORPORATION

Subcontractor remains responsible for dimensions, quantities, coordination with other trades and compliance with contract documents.

By:

Devin D. Gates

DEVIN D GATES

REVIEWED BY

DATE

To be completed by Reviewer

08 4423-003

CANNON DESIGN SUBMITTAL NUMBER

5/20/16

RECEIVED DATE

- ☐ A. No Exceptions Taken
No further review of submittal is required.
- ☐ B. Make Corrections Noted
Incorporate corrections in work; resubmission is not required.
- ☒ C. Revise and Resubmit
Revise as noted, and resubmit for review.
- ☐ D. Rejected
Submittal is not in compliance with Contract Documents; provide new submittal.
- ☐ E. For Record / Information Only
Submittal was reviewed for Record / Information purposes only.
- ☐ F. Not Required for Review
Submittal is not required by Contract Documents and has not been reviewed.

Review is for conformance with the design concept of this project and for general compliance with contract documents. Contractor is responsible for quantities, dimensions and compliance with contract documents and for information that pertains to fabrication processes, construction techniques and coordination of this work with all trades which will be affected thereby. This review is null and void if submittal deviates from contract documents and does not indicate or note deviations.

A/E COMMENTS

☐ See attached sheet(s) for additional comments

This product cannot be accepted nor rejected until the following conditions are met engineering & shop drawings must be submitted in conjunction with product data for a complete and proper review to be performed.

REVIEWED BY

DATE



77 Westport Plaza
Suite 250
St. Louis, MO 63146

TRANSMITTAL

No. 15051-0043

Paric Corporation

PROJECT: Webster University Interdisciplinary Science Building

DATE: 05/17/2016

TO: Cannon Design
1100 Clark Ave
St Louis MO 63102

RE: Curtain wall product data

ATTN: Kelvin Patel

JOB: 15051

WE ARE SENDING:		SUBMITTED FOR:	ACTION TAKEN:
☐ Shop Drawings		☐ Approval	☐ Approved as Submitted
☐ Letter		☐ Your Use	☐ Approved as Noted
☐ Prints		☐ As Requested	☐ Returned After Loan
☐ Change Order		☐ Review and Comment	☐ Resubmit
☐ Plans			☐ Submit
☐ Samples		SENT VIA:	☐ Returned
☐ Specifications			☐ Returned for Corrections
☐ Other:			☐ Due Date:

<i>Item</i>	<i>Package</i>	<i>Code</i>	<i>Rev.</i>	<i>Copies</i>	<i>Date</i>	<i>Description</i>	<i>Status</i>
Submittal		084423-003	1		05/17/2016	Curtain wall product data	Submitted

NOTES:

CC: Paric Corporation, Kathy Bathe

Project Coordinator: Paric Corporation, Kathy Bathe

Signed: _____
Devin Gates