

**PRODUCT**            **400 4-SIDE SSG Cassette Series Curtainwall**  
 2-1/2" x 8 1/2" (4-side structural glazed)

**TEST RESULTS**

Air Infiltration	ASTM E283	<b>0.06 cfm/ft<sup>2</sup> @ 6.24 psf</b>
Static Pressure Water Resistance	ASTM E331	<b>15 psf</b>
Dynamic Pressure Water Resistance	AAMA 501.1	<b>15 psf</b>
Structural – Design Load	ASTM E330	<b>+/- 40 psf</b>
Thermal Cycling	AAMA 501.5	<b>-20 °F to 180 °F</b>
Structural – Overload	ASTM E330	<b>+/- 60 psf</b>

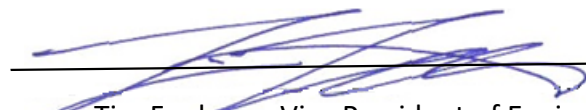
**TEST LAB**

**Quast Consulting & Testing**  
 Mosinee, WI 54455

Report Number	QCT18-4941.01
Test Date	9/18/2018 – 10/5/2018
Report Date	10/9/2018

Reference report in above table for complete test specimen description and data. Contact a Tubelite representative for more information.

Tubelite Representative:

 (sign) 1/3/2019 (date)  
Tim Fookes - Vice President of Engineering (title)

## TEST METHODS

**Air Infiltration:** ASTM E283-12, *Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen*. Testing was conducted at 6.24 psf positive static air pressure difference.

**Static Pressure Water Resistance:** ASTM E331-09, *Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, Curtain Walls by Uniform Static Air Pressure Difference*. Testing was conducted at 15 psf positive static air pressure difference for 15 minute duration. Water applied at a minimum rate of 5 gal/ft<sup>2</sup>/hr.

**Dynamic Pressure Water Resistance:** AAMA 501.1-05, *Standard Test Method for Water Penetration of Windows, Curtain Walls, and Doors Using Dynamic Pressure*. Testing was conducted with a dynamic pressure equivalent of 15 psf for a 15 minute duration. Water applied at a minimum rate of 5 gal/ft<sup>2</sup>/hr.

**Thermal Cycling:** AAMA 501.5-07, *Standard Test Method for Thermal Cycling of Exterior Walls*. Testing was conducted with three thermal cycles. Each cycle maintained for two hours after establishing the following temperatures and consist of:

- a. Low exterior temperature of -20 °F.
- b. High exterior temperature of 180 °F.
- c. Interior temperature maintained between 70 °F and 80 °F.
- d. System components shall withstand thermal movements without buckling, distortion, cracking, failure or glass, and failure of joint seals or undue stress on the finished surfaces, materials, or fixing assemblies.

**Structural Performance:** ASTM E330 -10, *Standard Test Method for Structural Performance of Exterior Windows, Skylights and Curtain Walls by Uniform Static Air Pressure Difference*. Testing was conducted at +/- 40 psf design loads and +/- 60 psf overloads. Allowable Criteria: Design - L/175 deflection normal to wall plane for clear spans up to 13'-6". Overload – net permanent set shall not exceed 0.2% of the clear span.