



Custom
Window™

by Wausau

The Liberty Hotel. Boston, MA Ann Beha Architects



8300 and 8300i Series Historical Fixed and Projected Aluminum Windows

Historically accurate preservation demands more than just a nod to the architectural vernacular - Respectful restoration calls for replication of character-defining features.

Narrow sightlines, **true divided lite muntin grids**, and strict attention to detail set apart by the fenestration of landmark structures -
Then, and now.

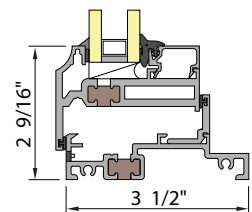
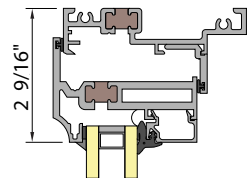


Features

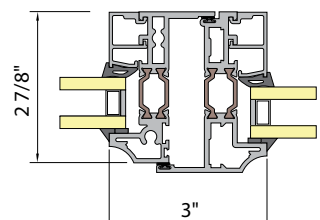
- ▶ Fluted, stepped "Tee", beveled or ogee perimeter glazing rebates to match existing putty-glazed windows
- ▶ AAMA AW-100 Architectural Performance Class - Grids designed for project-specific wind loads
- ▶ Poured polyurethane or polyamide thermal barrier (8300i Series)
- ▶ Welded, or mechanically fastened frame and true muntin grid construction, corner-blocked and hydraulically crimped vents
- ▶ 0.094" extrusion wall thickness
- ▶ Fixed; in- or out-swing casement; top-hinged, awning or hopper vents
- ▶ Custom profiles can be designed for panning, perimeter framing or muntins

Options

- ▶ Optional between-glass blinds with 5/8" aluminum slats
- ▶ Extra-wide thermal barrier (8300i) option for energy savings and condensation resistance
- ▶ Dual-color frame finishes
- ▶ Applied muntin grids optional at exterior, interior and/or between glass
- ▶ Panning systems with "Tee" mullions to echo existing profiles
- ▶ Head, jamb, and sill receptors with stacking mullions
- ▶ More than 30,000 color choices in ultra-low VOC paints, or VOC-free anodize finishes
- ▶ Frosty matte eco-friendly anodize is ideal for recycled aluminum - Patina-free copper anodize available



Fluted Profile
Poured Thermal
8300 Series



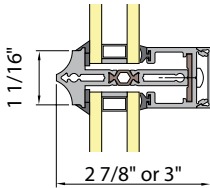
Fluted Profile
Polyamide Thermal
8300i Series

Test results may vary with size, grids, and hardware used.

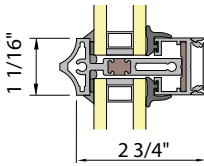
Allowable Air	Water	NFRC U-Factor	CRF _f	STC
0.10 cfm/sqft at 6.24 psf	12 psf	0.38 to 0.73 BTU/hr.sqft. °F (est.)	43 to 58 (est.)	31 to 40 26 to 33 OITC

True Divided Lite Muntin Grids

Glassmaking technology in the years prior to World War II limited the size of individual glass lites, mitigating the use of putty-glazed muntin grids. Only **true divided lite (TDL)** design can reproduce this aesthetic with the fidelity required for rigorous historical preservation. For more than 30 years, Custom Window has been matching the appearance of existing sash in the nation's most prestigious landmarks.



Fluted Profile
Thermal
8300i Series



Fluted Profile
Poured Thermal
8300 Series



Notes

- ▶ 1 1/16" sightline at thermal barrier muntins
- ▶ 7/8" sightline at non-thermal barrier muntins
- ▶ Interior access for re-glazing standard, outside glazed options available
- ▶ Requires only small, low-cost replacement insulating glass units in case of vandalism
- ▶ Complies with industry-standard deflection limits
- ▶ Reduces glass bite and edge clearance for minimum sightline
- ▶ TDL muntin grids will affect NFRC U-Factor - Check local codes for historical building requirements

North High School, Denver, CO Humphries Poli Architects





There's a reason so many of our nation's most important buildings, from art museums to elementary schools have Wausau windows...

For more than 55 years, Wausau has set the standard for performance, quality, and ease of installation.

Wausau engineering professionals ensure that each building's windows are right for its needs, such as pre-engineered school windows, architectural grade hospital windows or customized, historically accurate replacements

Wausau supports your sustainable design goals and offers an industry-leading product warranty of up to 10 years.

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