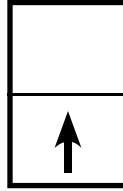




**QUAKER**  
COMMERCIAL WINDOWS AND DOORS



**B500 Series**  
**AW-PG50**  
**3 1/4" Frame Depth**  
**Single Hung**

## B500 SERIES SINGLE HUNG

The Quaker Blast B500 Series Single Hung window is specially glazed specifically designed to meet ASTM F1642-04 (Standard Test Method for Glazing and Glazing System Subject to Airblast Loadings) resulting in a high GSA/ISC Performance Condition.

### FEATURES

- ◇ **Commercial Framing System**
  - 3 1/4" main frame
  - 0.062" wall thickness of frame and sash
- ◇ **Thermally Enhanced Design**
  - Azon pour and debridge thermal break is 1/2" wide in all main frame and vent rail extrusions
  - Double fin-type weatherstripping
  - Full width lift handles
- ◇ **Glazing**
  - 1" insulated glass
- ◇ **Hardware**
  - Block and tackle balancers
  - Gravity latch
- ◇ **Screen**
  - Extruded aluminum screen frame with BetterVue™ mesh

### OPTIONS

- ◇ **Available Configurations**
  - Single hung
  - Oriel single hung
- ◇ **Muntin Choices**
  - Internal or simulated divided lites available
- ◇ **Hardware**
  - Class 5 balancers
  - Limited travel latch
- ◇ **Nailing Fin**
- ◇ **Screen**
  - Extruded aluminum screen frame with aluminum wire mesh
  - Extruded aluminum screen frame with sunscreen mesh
  - Extruded aluminum screen frame with stainless steel 0.009" thickness mesh
- ◇ **Glazing**
  - Capillary tubes
  - Argon gas
  - Wide variety of glazing, tinting and thickness options
- ◇ **Panning & Trim Choices**
  - Wide variety of panning, receptor and Blast snap trim available
- ◇ **Mulling**
  - Wide variety of structural mulls

### BENEFITS

- ◇ The capacity to match exterior colors for unique project facades
- ◇ The ability to facilitate large sizes for taller and wider window openings

### PERFORMANCE

- ◇ Structural & Blast (test reports or thermal simulations available upon request)

| Model                                  | Single Hung |
|--|-------------|
| AAMA/WDMA/CSA 101/I.S.2/A440-08 Rating | AW-PG50     |
| Structural Load P.S.F.                 | 75.19       |
| Air at 50 MPH (cfm/ft <sup>2</sup> )   | 0.03        |
| Water (No Penetration) P.S.F.          | 10.03       |

Window test size: 60" × 99"  
Operating Force: 19 lbf (maintain motion), 1 lbf (gravity latches)

| Hazard Rating           | Minimal Hazard |
|-------------------------|----------------|
| Peak Blast Pressure     | 6.3 psi        |
| Positive Phase Impulse  | 45 psi-msec    |
| Positive Phase Duration | 15 msec        |

Window test size: 48" × 66"



Our products are tested to the standards of and certified by the American Architectural Manufacturer's Association, the National Fenestration Rating Council and the Window & Door Manufacturers Association.

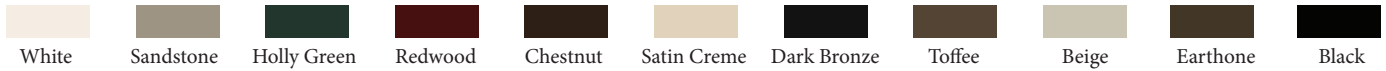


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COMMERCIAL WINDOWS AND DOORS

# ARCHITECTURAL PAINT COATINGS AND FINISHES

◇ Baked on powder coat finish meets ANSA/AAMA 2604 specs and is available in unlimited colors

- 11 Popular Colors



- 19 Impressive Colors



- 7 Resemble Colors (painted finish resembling anodized)



- Unlimited Custom Colors

\* Printed colors shown here may not accurately depict actual painted colors. Color samples are available upon request.

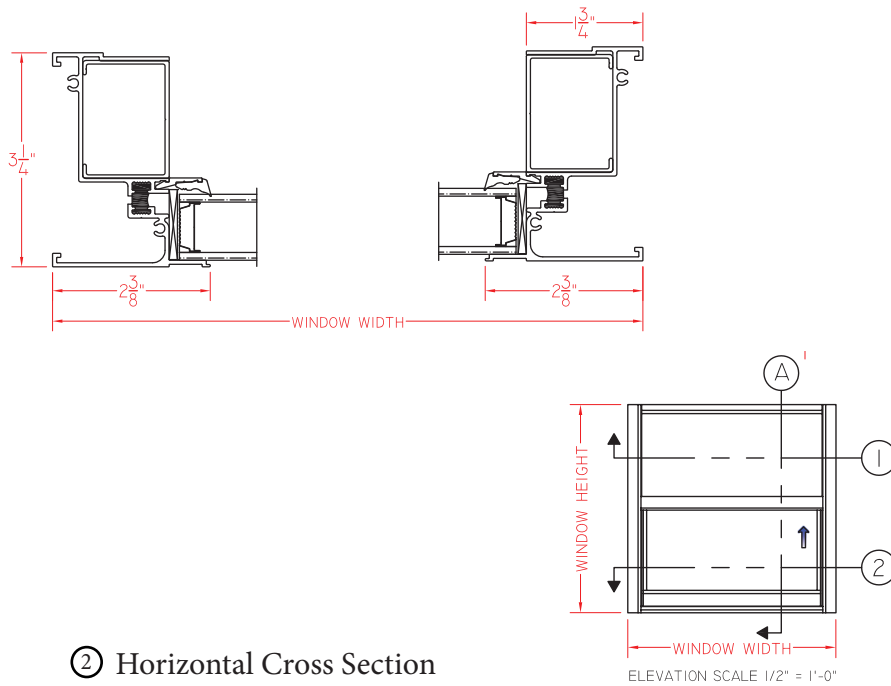
◇ ANSA/AAMA 2605 powder coat finishes

◇ AAMA 611-98 Class I clear and tinted anodized finishes

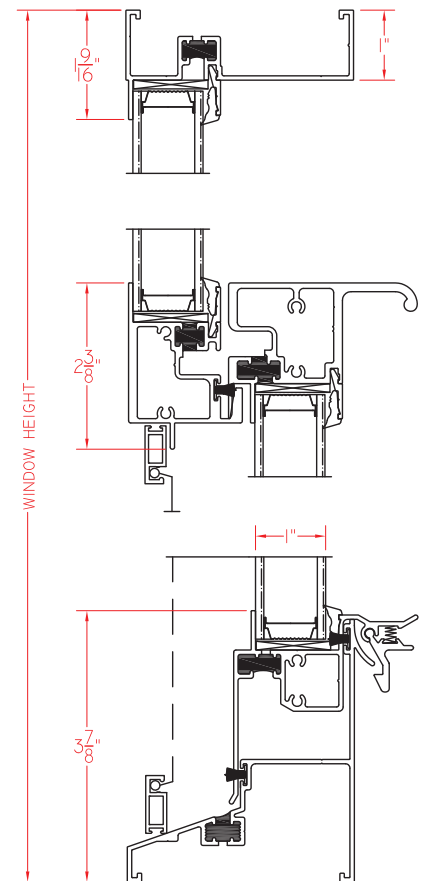
## B500 Single Hung

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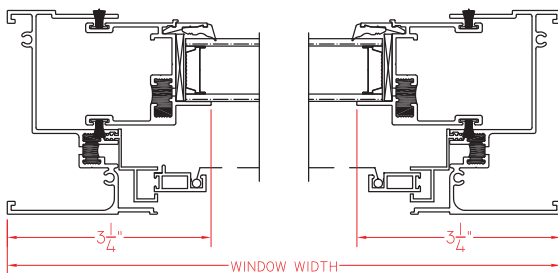
① Horizontal Cross Section



Ⓐ Vertical Cross Section



② Horizontal Cross Section



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