QUAKER
COMMERCIAL WINDOWS AND DOORS

Emerge By Quaker

E500 Series
AW-PG40
3 ¼" Frame Depth
Double Hung/Single Hung

E500 SERIES DOUBLE HUNG/SINGLE HUNG

The Quaker Emerge E500 Series Hung window is ideal for a variety of applications including - Energy Efficient, Institutions, Education, Apartments and Assisted Living.

FEATURES

◊ **Commercial Framing System**
- 3 ¼" main frame
- 0.062" wall thickness of frame and sash

◊ **Thermally Enhanced Design**
- Azon pour and debridge thermal break is ½" wide in all main frame and vent rail extrusions
- Double fin-type weatherstripping
- Stainless stell pivot bars
- Header expander
- Sill angle
- Full width lift handles

◊ **Glazing**
- 1" insulated glass

◊ **Hardware**
- Block and tackle balancers
- Gravity latch

◊ **Screen**
- Extruded aluminum screen frame with BetterVue™ mesh

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 & Thermal (test reports or thermal simulations available upon request)

Model	Double Hung/Single Hung
AAMA/WDMA/CSA 101/I.S.2/A440-08 Rating	AW-PG40
Structural Load P.S.F.	60.15
Air at 50 MPH (cfm/ft^2)	0.25
Water (No Penetration) P.S.F.	8.15
U-Value (with Low-E and Argon)	0.35 - 0.41
SHGC (with Low-E and Argon)	0.13 - 0.46

Window test size: 60" × 99"   Operating Force: 25 lbf (maintain motion), 11 lbf (latches)

OPTIONS

◊ **Available Configurations**
- Double hung
- Single hung
- Oriel single hung

◊ **Muntin Choices**
- Internal or simulated divided lites available

◊ **Hardware**
- Class 5 balancers
- Dual self-aligning sweep locks
- Limited travel latch
- Wide variety of locking and operating hardware options

◊ **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
- Security screen

◊ **Glazing**
- Capillary tubes
- Argon gas
- Wide variety of glazing, tinting and thickness options

◊ **Panning & Trim Choices**
- Wide variety of panning, receptor and trim available

◊ **Mulling**
- Wide variety of structural mulls
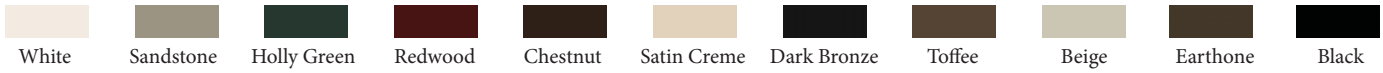
◊ **Specialty**
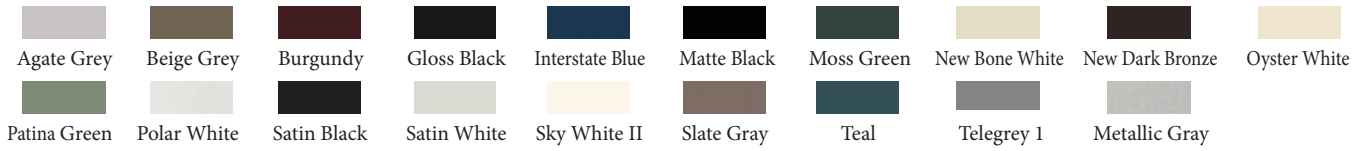- Attached exterior or interior storm window
- Extension jambs

ARCHITECTURAL PAINT COATINGS AND FINISHES

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

- **11 Popular Colors**

White	Sandstone	Holly Green	Redwood	Chestnut	Satin Creme	Dark Bronze	Toffee	Beige	Earthone	Black

- **19 Impressive Colors**

Agate Grey	Beige Grey	Burgundy	Gloss Black	Interstate Blue	Matte Black	Moss Green	New Bone White	New Dark Bronze	Oyster White

Patina Green	Polar White	Satin Black	Satin White	Sky White II	Slate Gray	Teal	Telegrey 1	Metallic Gray

- **7 Resemble Colors (painted finish resembling anodized)**

Black Anodized	Champagne Anodized Light Range	Champagne Anodized Dark Range	Clear Anodized	Light Bronze Anodized	Dark Bronze Anodized Light Range	Dark Bronze Anodized Dark Range

- 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

TAAMA   NFRC   **WDMA** MEMBER   **QUAKER** COMMERCIAL WINDOWS AND DOORS

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E500 DH/SH WITH NAILING FIN

HORIZONTAL CROSS SECTION (1)

VERTICAL CROSS SECTION (A)

ELEVATION SCALE 1/2" = 1'-0"

HORIZONTAL CROSS SECTION (2)
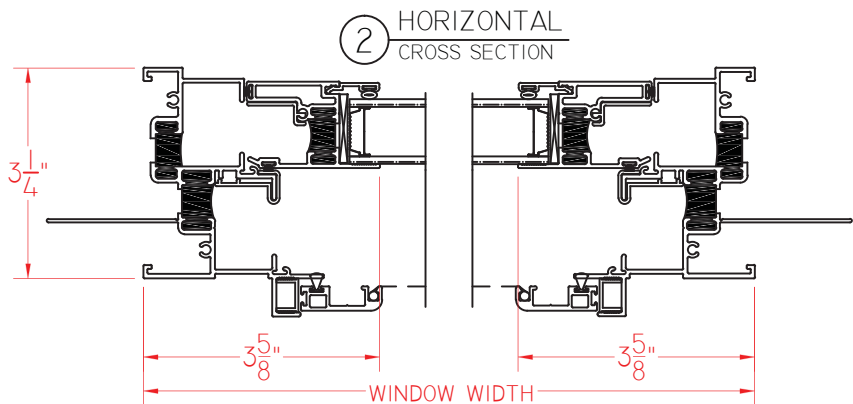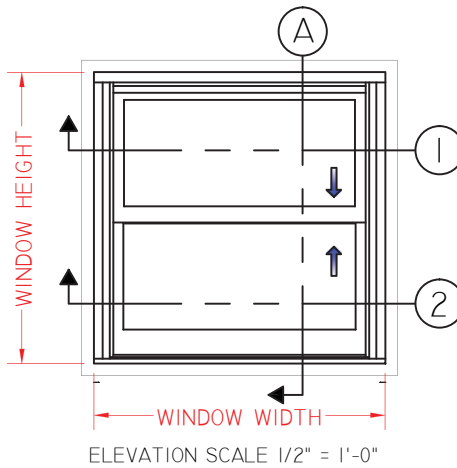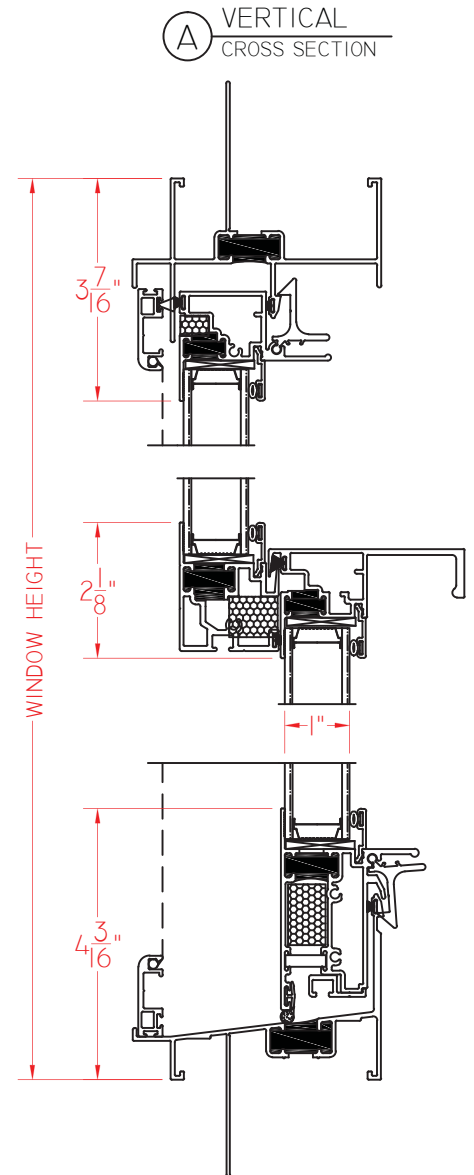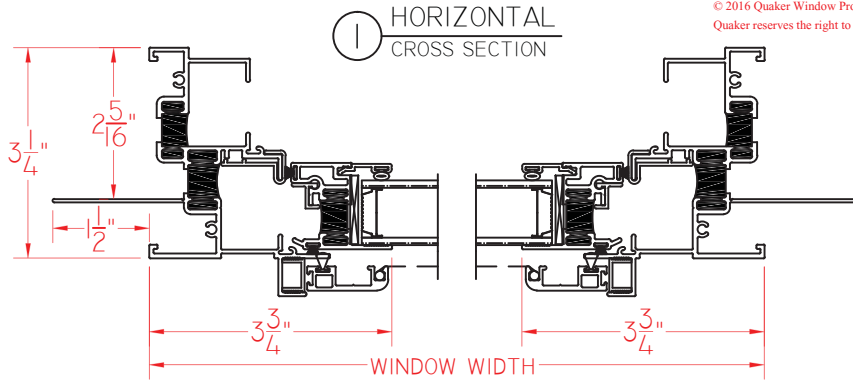
E500 DOUBLE HUNG WITH NAIL FIN 02.10.2015 VERSION 1.0

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AAMA

NFRC National Fenestration Rating Council

WDMA MEMBER
WINDOW & DOOR MANUFACTURERS ASSOCIATION

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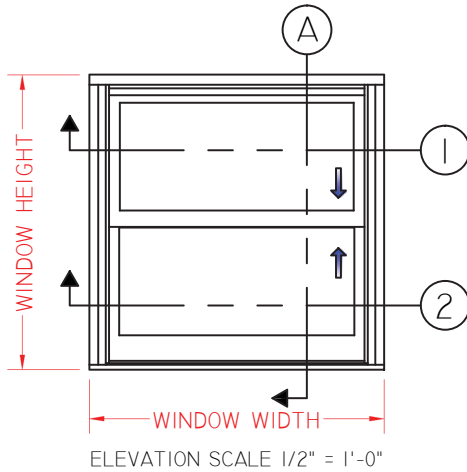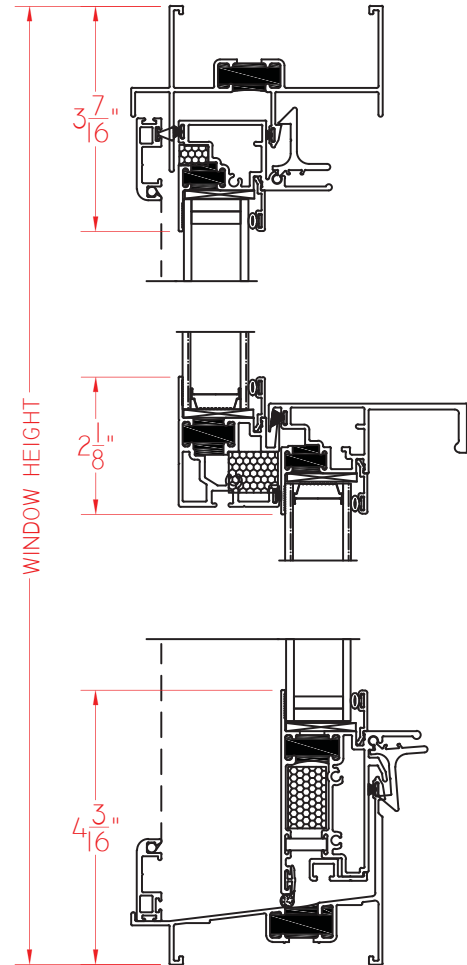
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emerge
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E500 DH/SH WITHOUT NAILING FIN

HORIZONTAL CROSS SECTION — 1

3 ¼"
3 ¾"
3 ¾"
WINDOW WIDTH

A VERTICAL CROSS SECTION

3 7/16"
2 1/8"
4 3/16"
WINDOW HEIGHT

ELEVATION SCALE 1/2" = 1'-0"
WINDOW HEIGHT
WINDOW WIDTH

HORIZONTAL CROSS SECTION — 2

3 ¼"
3 5/8"
3 5/8"
WINDOW WIDTH
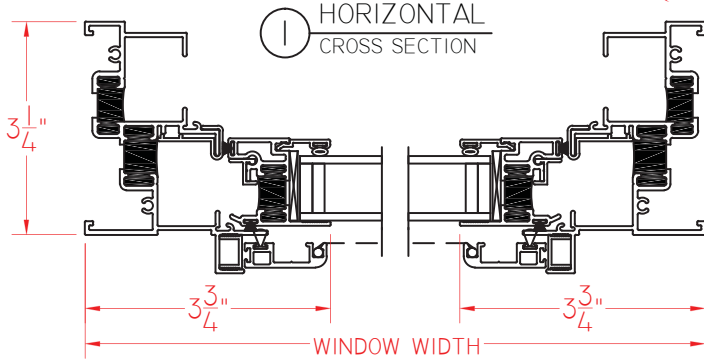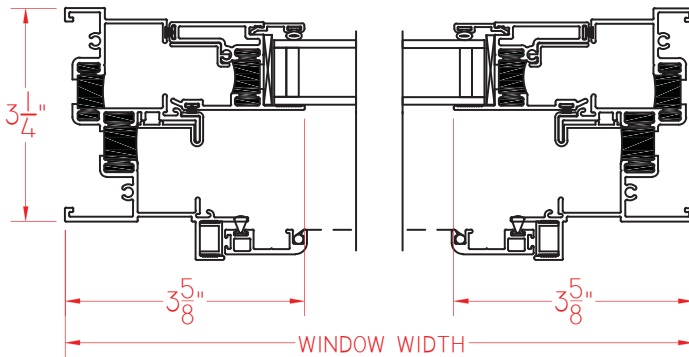
E500 Double Hung 02.10.2015 version 1.0

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