

# Manchester Series 3 ¼" Frame Depth Double Hung/Single Hung

# MANCHESTER SERIES DOUBLE HUNG/SINGLE HUNG

## **FEATURES**

### **◊** Commercial Framing System

- 3 ¼" main frame
- 0.060" wall thickness of frame, 0.070" wall thickness of sash

#### **♦** Enhanced Design

Mitered and welded corners

## **♦** Glazing

• ¾" insulated glass

#### ♦ Hardware

Block and tackle balancers

#### ♦ Screen

 Roll form aluminum screen frame with BetterVue<sup>™</sup> mesh with WaterShed<sup>®</sup> technology

#### **♦** Colors

• White or Sandstone vinyl (interior/exterior)

## **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
NAFS Rating	R-40	R-35
Structural Load P.S.F.	60.15	52.63
Air at 50 MPH (cfm/ft²)	0.16	0.1
Water (No Penetration) P.S.F.	7.52	5.43
U-Value (ranges based on multiple Low-E/Argon combinations)	0.25-0.29	0.25-0.29
SHGC (ranges based on multiple Low-E/Argon combinations)	0.14-0.32	0.14-0.32
Window Test Size	40" × 63"	40" × 63"

#### **OPTIONS**

#### **♦** Available Configurations

- Double Hung
- Single Hung
- Geometric shapes

#### **♦** Muntin Choices

• Internal or simulated divided lites available

#### **♦ Limited travel Hardware**

**◊** Nailing Fin

#### ♦ Screen

- Roll form aluminum screen frame with aluminum wire mesh
- Roll form aluminum screen frame with sunscreen mesh
- Roll form aluminum screen frame with stainless steel 0.009" thickness mesh

#### **♦** Glazing

- Multiple Low-E and argon glazing choices
- Triple glazing (Energy TG)
- Capillary tubes
- Wide variety of glazing, tinting and thickness options

## **◊** Panning & Trim Choices

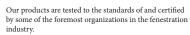
Wide variety of panning, receptor and trim available

### **♦** Mulling

• Wide variety of structural mulls

#### **♦** Colors

- High-performance Textured Black laminate (interior/ exterior)
- High-performance Textured Black laminate (exterior only with White vinyl or Textured Black laminate interior)
- High-performance Textured Dark Bronze laminate (exterior only with White vinyl interior)
- Twelve painted exterior colors (with White or Sandstone vinyl interior)
- Unlimited custom painted exterior colors

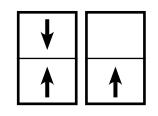






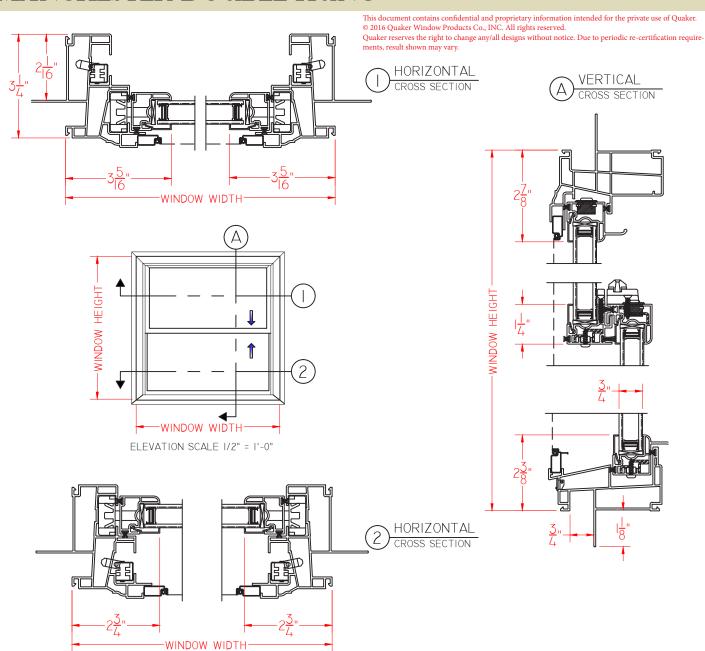




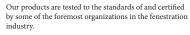


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# MANCHESTER DOUBLE HUNG



SCALE 1:3

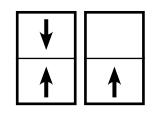






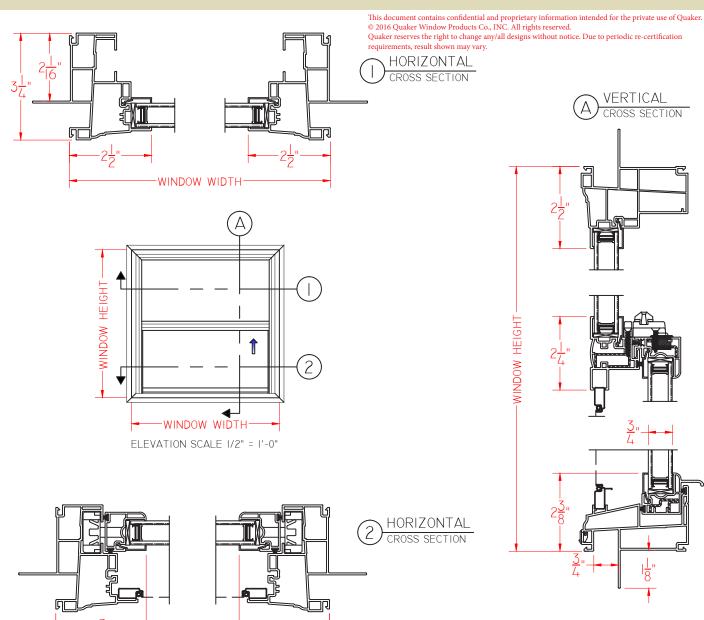






# Manchester Series 3 ¼" Frame Depth Double Hung/Single Hung

# MANCHESTER SINGLE HUNG



SCALE 1:3

Our products are tested to the standards of and certified by some of the foremost organizations in the fenestration industry.



WINDOW WIDTH



