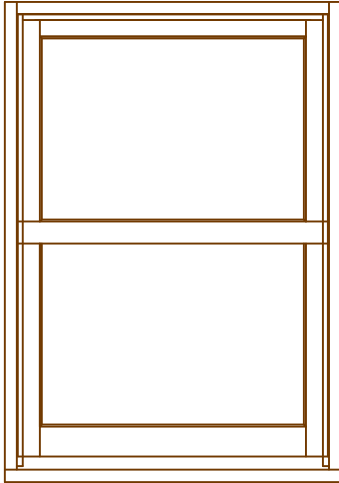


DOUBLE AND SINGLE HUNG WINDOWS



Wood

Standard products use several species of mahogany, with many additional wood species available upon request. All our wood is free of finger joints and is kiln dried before fabrication. All stock is opened and let set for two weeks prior to final fabrication for the highest precision of parts.

Meeting Rail Locks

Solid brass sash locks automatically draw the two meeting rails together for a tight, weatherproof seal. Two sash locks are standard per window unless under 19" in width. Available in a variety of finishes.

Balances

Traditional weights & chains with solid brass pulleys that come in a variety of finishes. Concealed ultra-lift heavy-duty tube spring system also available.

Optional Hardware

Custodial locks, sash restrictors, sash lifts, and concealed alarm contacts.

Screens

Exterior color-matched wood screens or extruded aluminum screens with charcoal fiberglass, bronze, or stainless steel mesh.

Glazing

All glazing is per project specifications. Hartman Windows & Doors can accommodate most configurations and make-ups from 1/4" single glazed (non-impact) to 1-3/16" laminated/insulated Miami Dade impact glass. Also available with flat or raised wood paneling. Monolithic, laminated, insulated, tinted, and low-e available.

Weather Stripping

Q-Ion weather stripping at both top and bottom of sash and jamb run continuously around full perimeter. Mitered corners ensure a tight seal against air and water infiltration. Available in both white and bronze finishes.

Finishing

All products receive three coats for maximum protection - one coat of primer or stain and two top coats of finish. Stained products are supplied fully finished using AzkoNobels premium brand Sikkens Cetol 1 and 23. Sikkens translucent stains provide highest protection while enhancing the natural appearance of wood. On painted products, Sherwin Williams' premium coating (Duration) is used.

Sizing

Full range of custom sizes available. Please contact Hartman Windows & Doors for assistance.

Miami-Dade County Product Control Approved

Large Missile Impact - ASTM E1886/1996 and TAS 201

Static Load - ASTM E330 and TAS 202, +/- 60psf design pressure

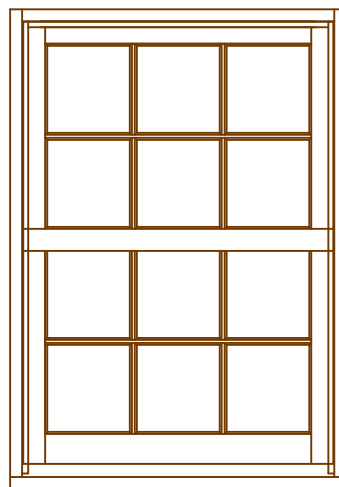
Cyclic Load - ASTM E1886/1996 and TAS 203 +/- 60psf design pressure

Air - ASTM E283 and TAS 202; 1.57 & 6.24psf.; **Measured** : 0.07 cfm, **Allowed**: 1.20 cfm

Water - ASTM E331/TAS 202; Test Pressure 10.5 psf; **Measured & Allowed**: No Entry

NOA No. 09-0608.13

<http://www.miamidade.gov/building/library/productcontrol/noa/09060813.pdf>



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Type: Single/Double Hung Windows

View: Elevation / Interior Glazed

Scale: NTS

Number: 01-001

Sheet:

1

1 of 1 sheets