

AMERICAN OUTSWING CASEMENT

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..

Multi-Point Lock System

European multi-point hardware controlled by a single lever with sash opening from 0° to 100°. Full perimeter locking points combined with double gasketing to ensure performance, security, and a weather tight seal.

Handle

Handle works with any 7mm spindle and 43mm attachment spacing. Several standard lever styles are available in both Satin Nickel and Oil Rubbed Bronze finishes or you can choose from many various manufacturers.

Optional Hardware

Friction and locking stays are available in addition to sash restrictors and concealed alarm contacts.

Screens

Concealed roll-down or custom wood swinging screens available. 18 x 16 mesh is standard in charcoal fiberglass or ability to choose bronze or stainless steel. Custom interior or exterior screens are also available in many configurations such as electric roll downs and sunscreens or blackouts.

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

Full perimeter EPDM gasket with mitered corners at interior of sash to seal against jamb. Full perimeter silicone gasket at exterior of sash to seal between jamb and sash edge, ensuring an air and water tight seal.

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 and shapes available. Please contact Hartman Windows & Doors for assistance.

Miami-Dade County Product Control Approved

Large Missile Impact - TAS 201 and ASTM E1886/1996

Static Load - TAS 202 and ASTM E330, +/- 70psf design pressure

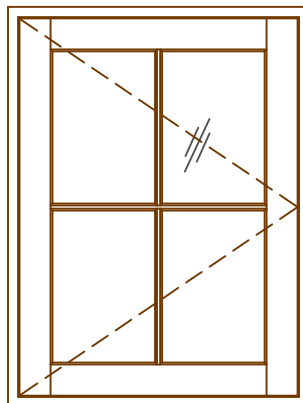
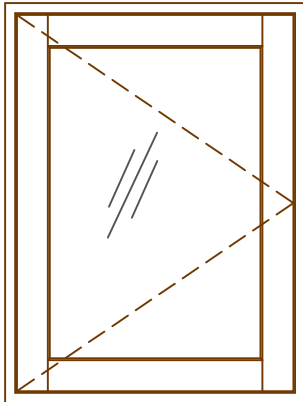
Cyclic Load - ASTM E1886/1996 and TAS 203, +/- 70psf design pressure

Air - ASTM E283 and TAS 202; 1.57 & 6.24psf.; **Measured** : 0.15 cfm, **Allowed**: 0.30 cfm

Water - ASTM E330/TAS 202; Test Pressure 12 psf; **Measured & Allowed**: No Entry

NOA No. 08-0326.14

<http://www.miamidade.gov/building/library/productcontrol/noa/08032614.pdf>



Hartman Windows & Doors, LLC.
531 Southern Blvd., West Palm Beach, FL 33405
t 561-296-9600 / f 561-296-9601
www.hartmanwindows.com

Type: American Outswing Casement

View: Elevation Section / Interior Glazed

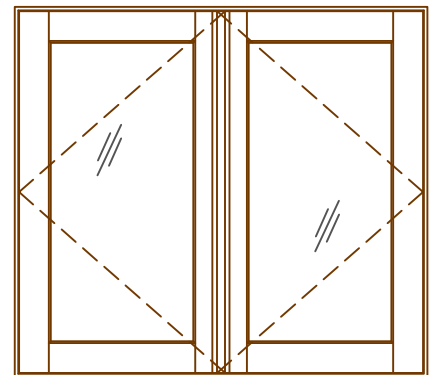
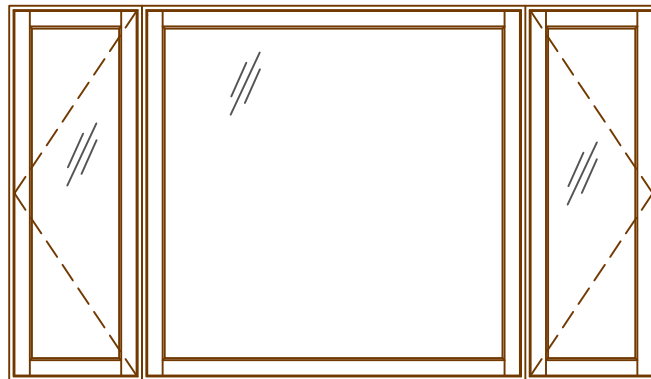
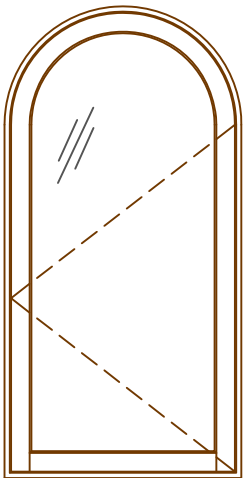
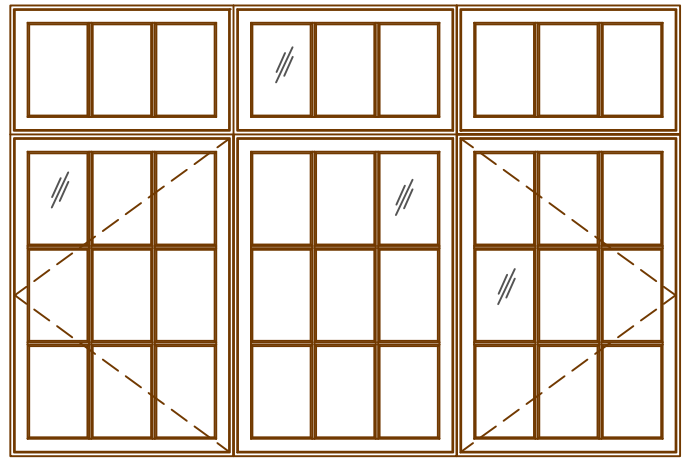
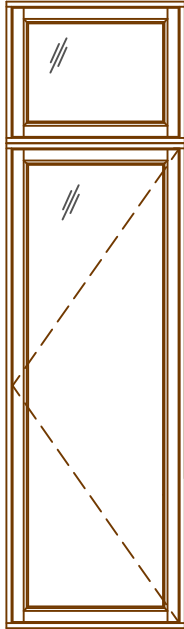
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Number: 01-001

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1 of 1 sheets



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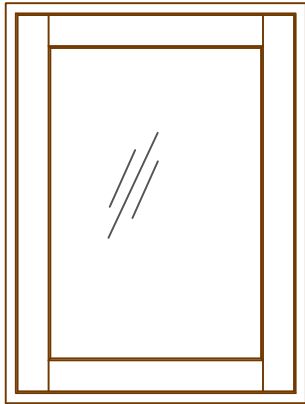
Type: American Outswing Casement, sample design
 View: Elevations
 Scale: NTS
 Number: 01-001

Sheet:

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1 of 1 sheets

AMERICAN OUTSWING FIXED CASEMENT



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Glazing

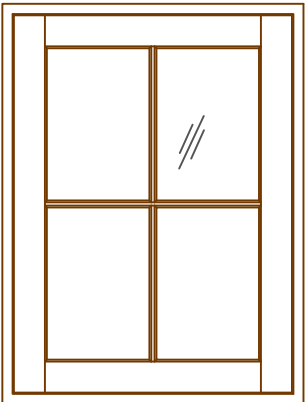
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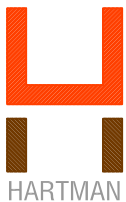
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Type: American Outswing Fixed Casement

View: Elevations / Interior Glazed

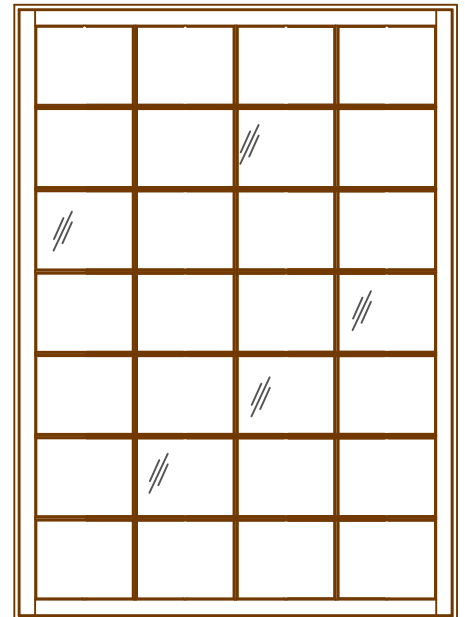
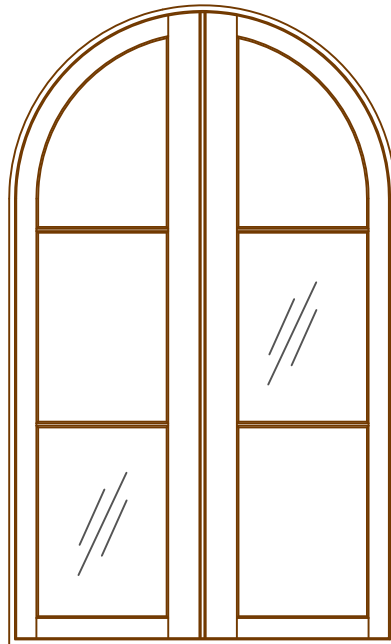
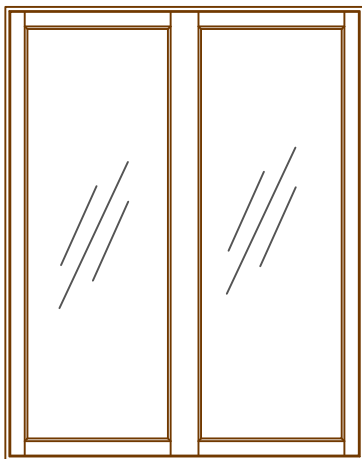
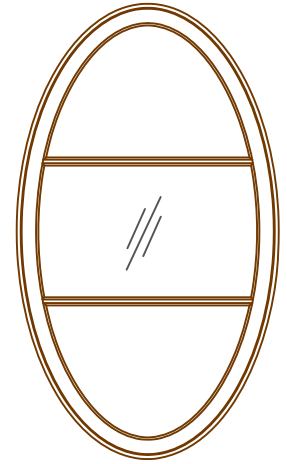
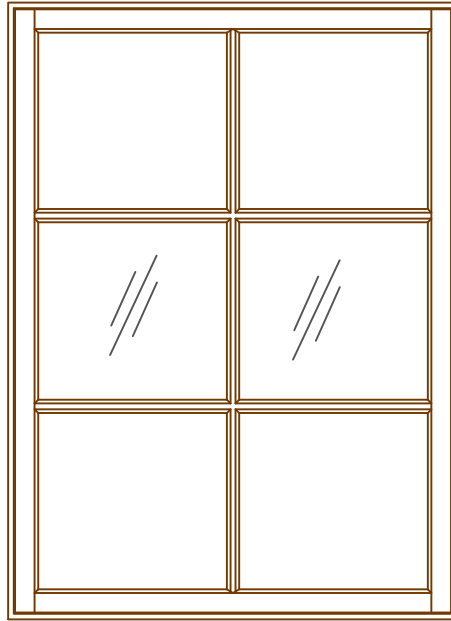
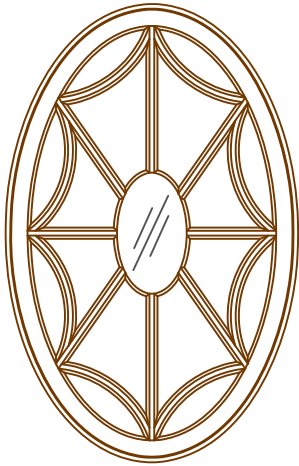
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Type: American Outswing Fixed Casement, sample design
View: Elevations
Scale: NTS
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