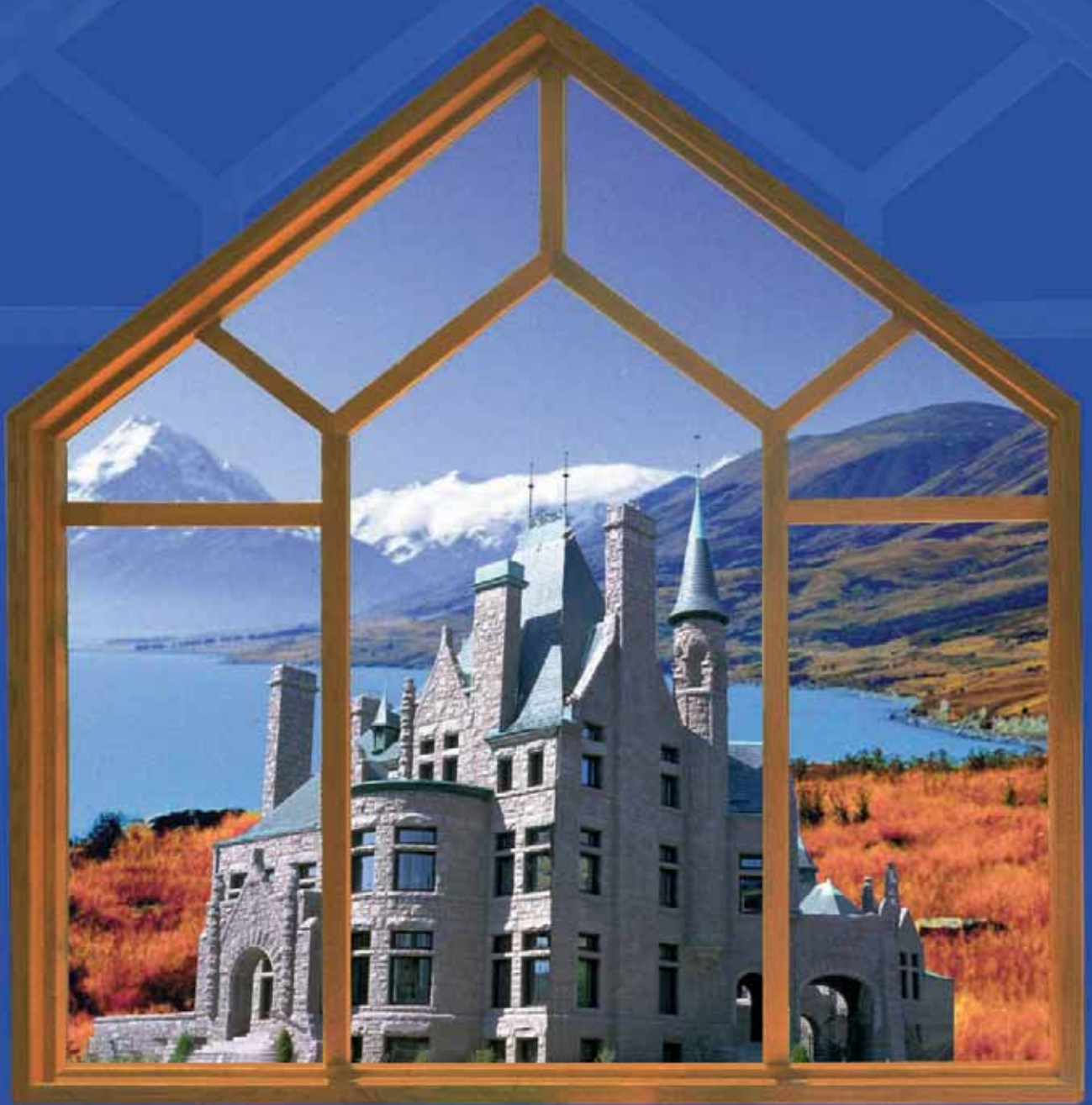




***WINDOW***

SIMPLY REVOLUTIONARY™



# H WINDOWS ... SO SIMPLE, THEY'RE REVOLUTIONARY

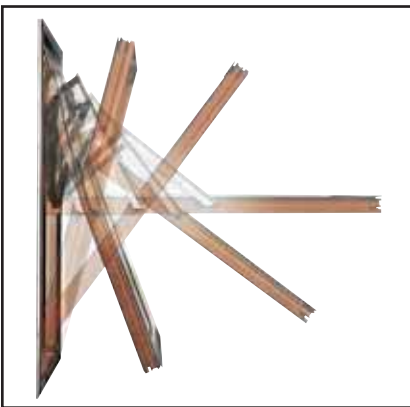
## REVOLUTIONARY OPERATION

All over the world, the sun pours through more than 10 million very special windows. Revolutionary windows. H Windows.

So sensible, so surprisingly simple, H Windows revolve a full 180° for easy cleaning and maintenance without intruding into the room.

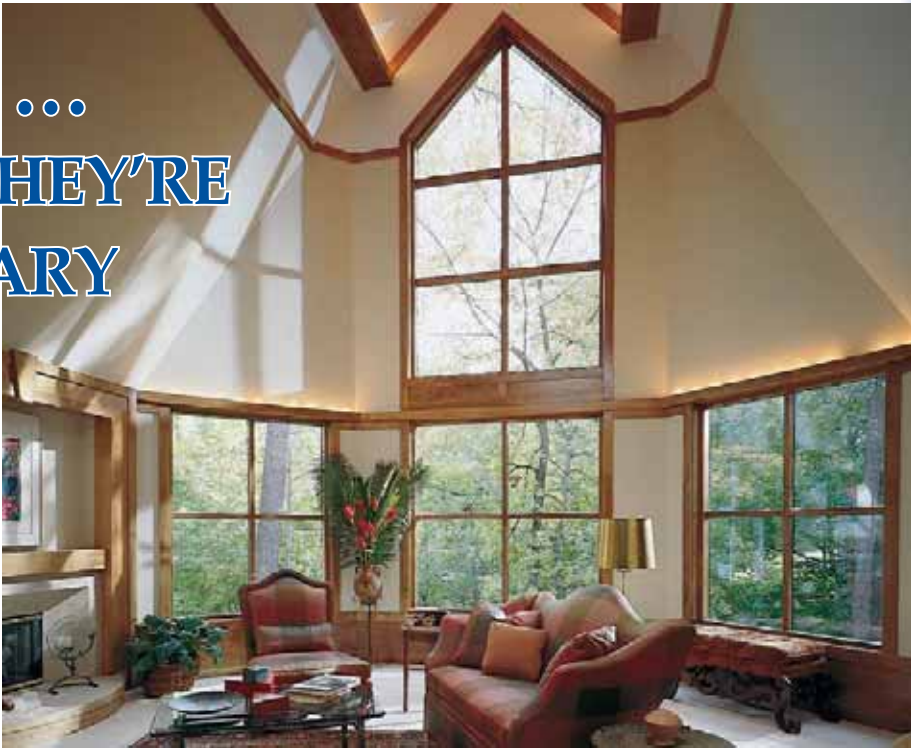
A remarkable hinge system is the H Window secret. Crafted in Norway by Spilka Industries, the H hinge has been the Scandinavian market leader for three decades. The superior performance and design of the Spilka hinge has been proven millions of times around the world by the 60 companies in 10 countries using H Window Hinge Systems.

Today, H Window Systems are available in America, custom built in Wisconsin for architects, builders and homeowners who refuse to compromise on style, function and quality.



Fully reversible awning or casement for easy cleaning and maintenance. Window does not intrude into interior or interfere with window treatments.

COVER: Van Dusen Mansion  
Minneapolis, Minnesota



## WHAT MAKES THE H WINDOW THE FINEST WINDOW SYSTEM IN THE WORLD?

- *Superior quality*
- *The highest performance ratings*
- *The largest operating windows*
- *A fully reversible window system*
- *European engineered hardware*
- *More colors, fine woods and glass choices than any other manufacturer*
- *FSC certified products available*

Revolutionary operation means:

- *Simple to open with one hand and 4 lbs. operating force*
- *No cam locks required*
- *A strong internal steel locking rod and 2-point locking system engages every time you close the window*
- *The straight pushbar can be locked at multiple opening points*
- *Even the largest sashes operate quickly and easily*



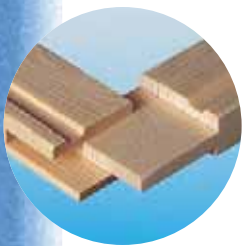




## INNOVATIVE ENGINEERING

H Windows combine the beauty and warmth of wood with the unparalleled strength, weather resistance and durability of a custom-finished extruded aluminum exterior.

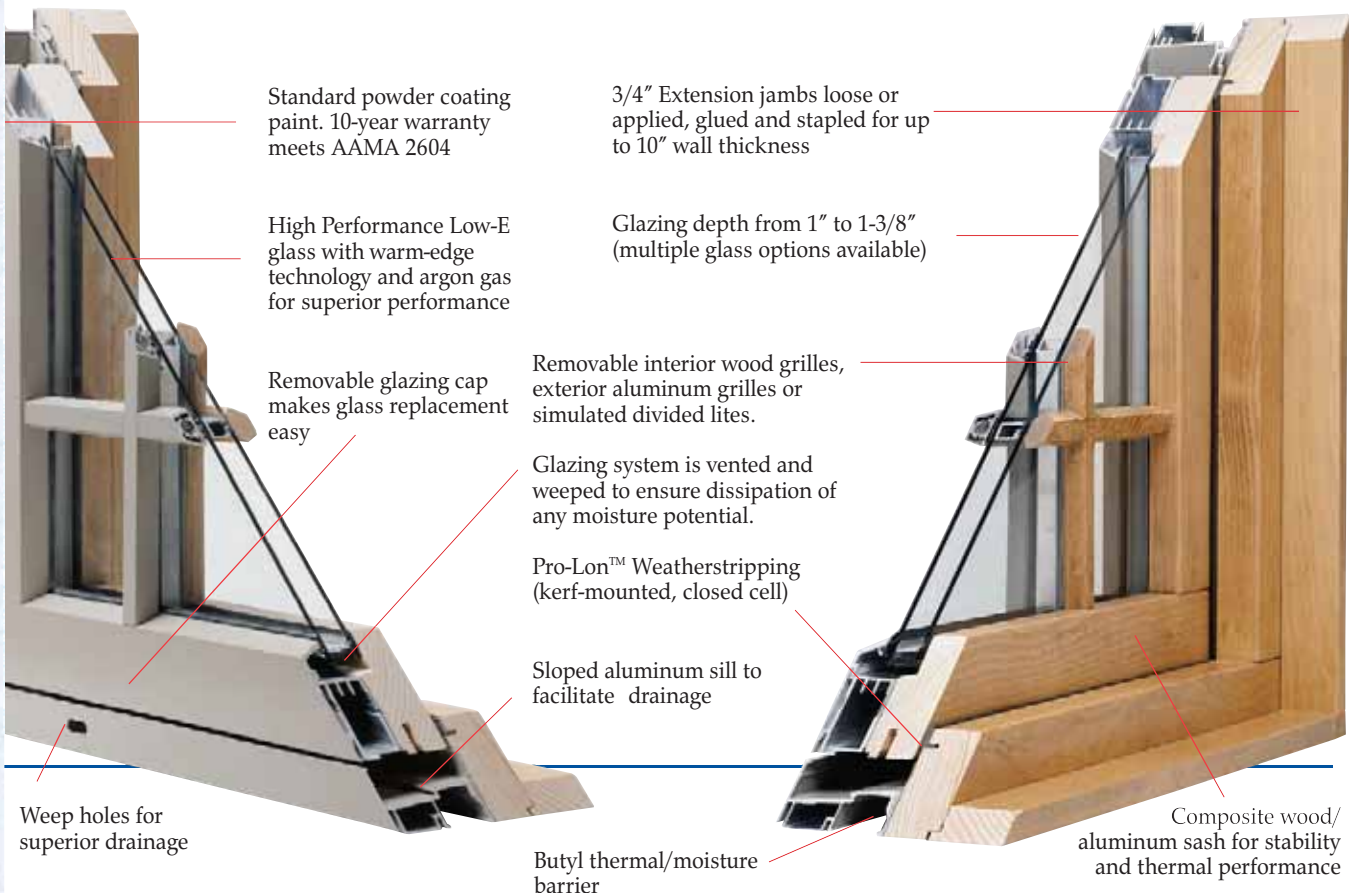
We believe that windows, like homes, should be built to last for generations. Just look at an H Window side by side with other standard "premium" windows, and you'll see the difference ... and appreciate the quality year after year.



Wood joints are mortised and tenoned, glued and stapled



Screw port, butt jointed aluminum corners with closed cell gasketing



Standard powder coating paint. 10-year warranty meets AAMA 2604

3/4" Extension jambs loose or applied, glued and stapled for up to 10" wall thickness

High Performance Low-E glass with warm-edge technology and argon gas for superior performance

Glazing depth from 1" to 1-3/8" (multiple glass options available)

Removable glazing cap makes glass replacement easy

Removable interior wood grilles, exterior aluminum grilles or simulated divided lites.

Glazing system is vented and weeped to ensure dissipation of any moisture potential.

Pro-Lon™ Weatherstripping (kerf-mounted, closed cell)

Sloped aluminum sill to facilitate drainage

Weep holes for superior drainage

Butyl thermal/moisture barrier

Composite wood/aluminum sash for stability and thermal performance

# MONUMENTAL PERFORMANCE

As you might expect from Scandinavian window technology, outstanding performance comes standard in every H Window we build here in America.

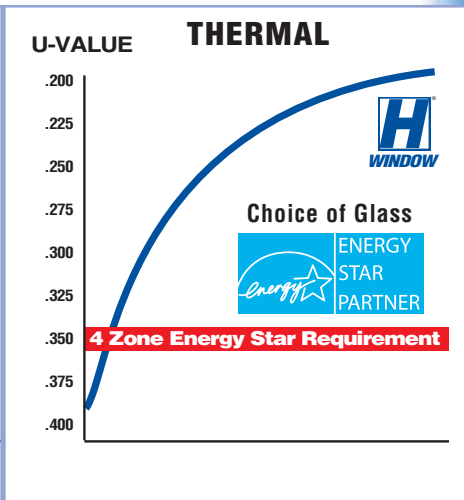
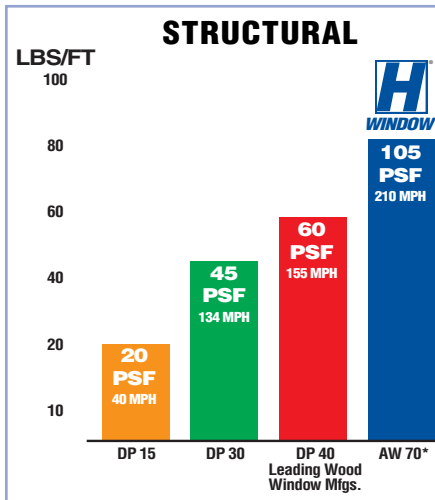
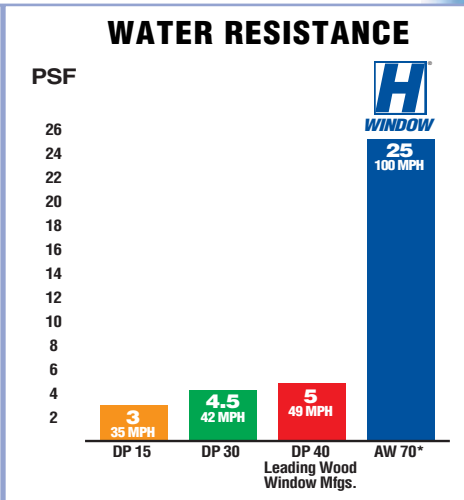
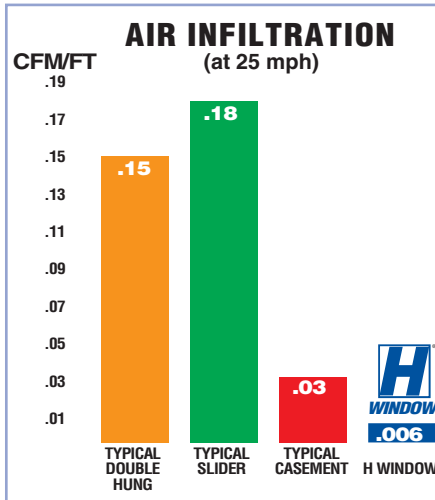
The H Window outperforms the competition in total performance tests. No operable window seals tighter. In fact, H Window scores better on 50 mph air infiltration tests than most windows can at 25 mph, and not just in the lab. We set our benchmarks in real-world tests on installed windows. High performance is due to the design of the hinge, which allows an uninterrupted perimeter seal, meaning that the harder the wind blows, the tighter the H Window becomes.



SEI office complex, Philadelphia, Pennsylvania

## PERFORMANCE – Operating Windows

AAMA/WDMA Class:	AW70*
Air Infiltration/25 mph:	.006
Air Infiltration/50 mph:	.01
Water Resistance Tests:	12 PSF
Optional Water Resistance Test:	25 PSF
Total Unit U-value at 15 mph	
1" low E / argon:	.39 – .30
1-3/8" Triple glaze low E:	.37 – .20
Condensation Resistance:	64 – 69
Sound Control:	32 – 46 STC
Operating Force:	4 lbs.
Forced Entry:	Level 40
Life Cycle Testing:	2,500 cycles
Hinge Warranty:	Lifetime



DP: Design Pressure.

AW: Highest performance class.

\*Optional high performance rating available.





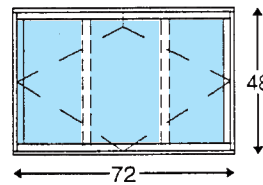
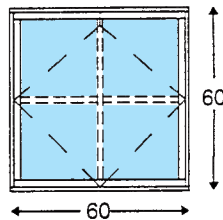
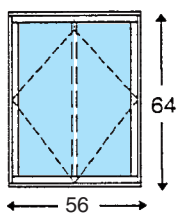
## CUSTOM MANUFACTURED

H Window offers the largest operating windows available in the U.S. The unique hinge design makes H Windows so amazingly strong, so perfectly balanced, they let you think in completely new dimensions. Dimensions like six feet wide or six feet high. Even ten feet high and ten feet wide with virtually any combination of fixed or horizontally operable sash in a single massive frame. Just think of the possibilities!

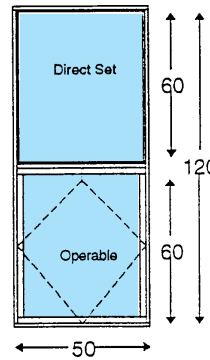
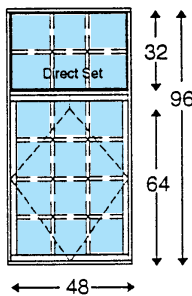
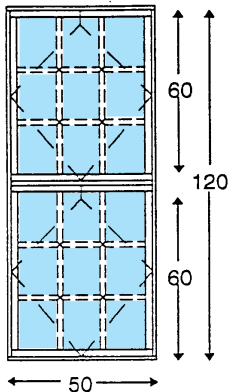
H Windows are also designed for ease of installation. Whether the application is wood, masonry or concrete, there is an H Window solution. Jamb extensions are used for large cavity walls or retrofitted openings. Panning, special sills, and receptor systems allow the window to work in many different conditions. Our Architect's Manual has the full details.

H Windows also come with a priceless bonus: H Window customer support. We're waiting to help architects, contractors and homeowners with all types of problem solving, design, technical specifications, AutoCAD files and on-site assistance.

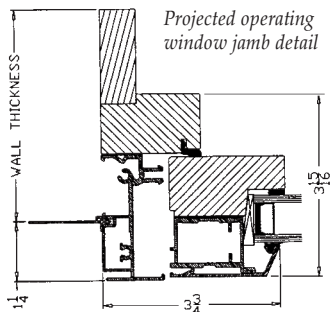
Schematic drawings for most applications are available free of charge, in printout form or digitally for AutoCAD systems.



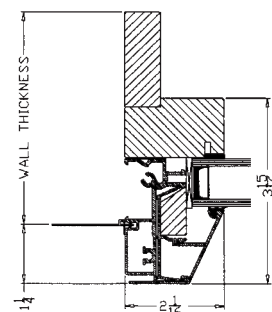
Single operating projected sizes



Single frame and multiple sash windows



Direct set fixed window jamb detail

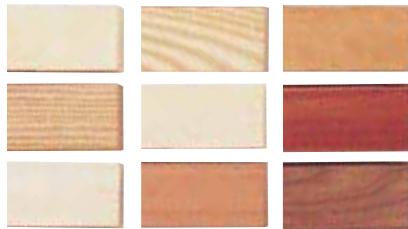


## DESIGN CHOICES

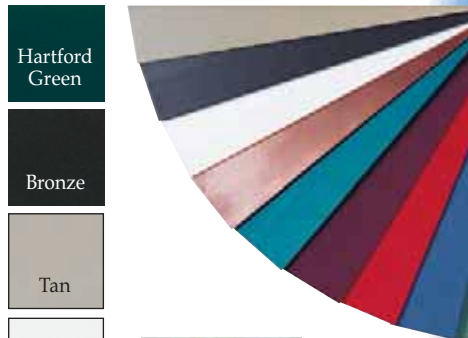
Every H Window is custom built to your exact requirements, and we never charge a premium on special sizes. This makes H Windows ideal for both new construction and your most challenging remodeling projects. After all, windows should be built to meet your exact size requirements, not just the closest standard size available.

Your H Window choices include:

- Large operating sashes. Single Awning sash up to 25 square feet. Projected awning style: Up to 72" x 48" and 56" x 64". Casement style: Consult Factory.
- Powder coat exterior finishes in five standard colors. Unlimited exterior finishes in Kynar™ paints or anodized custom colors.
- Clear Ponderosa Pine, and Red Oak veneer wrapped over finger jointed clear Ponderosa Pine, kiln dried to a moisture content of 6–12 percent and preservative treated. Wood frame and sash will be a minimum of 1-1/4" thick. Optional: oak, maple, cherry or other solid hardwoods in lieu of pine.
- Eleven factory pre-finished stain colors. Conversion varnish sprayed prior to window assembly.
- Glass options include double and triple pane glazing, low-E glass, argon gas, reduced heat gain glass.
- True-divided-lite muntins, removable exterior aluminum and interior wood grilles or SDL.
- Sealed-in operable mini-blinds.
- Spilvent™ ventilator system ... allows fresh air ventilation with the window closed.



Your choice of wood, finishes and exterior colors



Hartford Green

Bronze

Tan

White or Cream



- A. Pushbar, straight or telescoping, comes in white, champagne and brown
- B. Custodial End Cap for Pushbar
- C. Custodial Handle, chrome only
- D. Euro Handle, chrome only
- E. Crank Operators and Cam Locks, white, champagne and brown
- F. Spilvent™ Ventilator, white, mill and brown
- G. Curved Chrome Door Handle with key Cylinder/Thumbturn\*
- H. Curved Brass Door Handle with 1/2 Cylinder/Thumbturn. Nine optional finishes available\*

\*Optional straight handle also available

Door Hinges come in a high corrosion resistant yellow and white zinc alloy finishes.



Hardware options include pushbar, crank, Euro handle and custodial handle. Colors include white, champagne, brown and chrome.

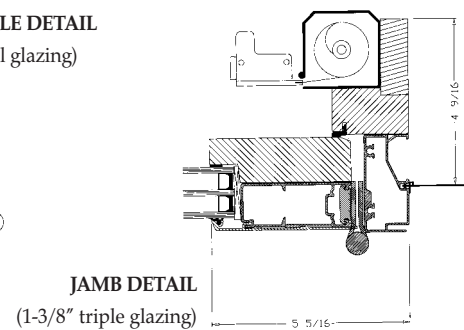
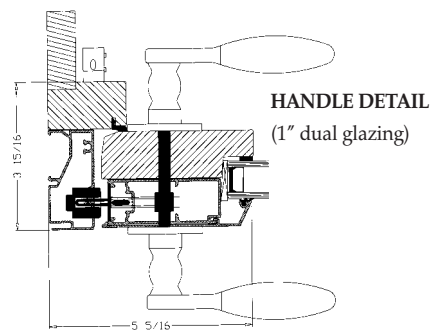




## THE NORDIC OUTSWING PATIO DOOR

Built to the same level of H Window quality and performance, The Nordic Outswing Patio Door opens outward to save precious floorspace. Both sides of a double-wide door are fully operational, and include a 3-point locking mechanism for the ultimate in security. A fourth hinge near the top prevents sagging, and a unique wind brake stop allows the active leaf to be locked in any open position. The latch system locks the door with a simple twist of the handle. The aluminum exterior/wood interior design produces the tightest air and water infiltration performance in the industry, and like our windows, the Nordic Outswing Patio Door is custom built to your exact specifications and is available in your choice of woods and colors.

*A retractable screen system, available for the Nordic Outswing Patio Door, hides the screen when not in use.*



# FOR UNMATCHED FLEXIBILITY AND PERFORMANCE, JOIN THE H WINDOW REVOLUTION.

For more detailed information on all our H Window products, please contact us. The following materials are available:

- Architect's Catalog
- Corporate Video
- AutoCAD CD Rom
- Specialized Brochures

H Window reserves the right to make design and specification changes to its product line at any time without notice. Ref.#05067500



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 www.hwindow.com

## 1-800-THE-H-WAY



*This high-rise apartment building on Lake Superior must withstand some of the harshest weather conditions in North America*



*Operable windows up to six feet by four feet provide exceptional views.*

Your local authorized H Window dealer:

