Natural wood interior, durable aluminum exterior.

Wood curtain walls, or timber walls, innovatively combine the warmth and beauty of a natural wood interior with the durability and longevity of an aluminum exterior to create the perfect solution for those seeking a high-performing, sustainable building system. This exterior aluminum system creates a superior barrier from the elements, limiting the wood's exposure to any type of precipitation or wind, and dependably maintains a high level of performance through positive drainage principles. Solar Innovations® Wood Curtain Walls are pressure equalized systems which are achieved by overlapping the horizontal profiles with the vertical profiles. The unobstructed flow from horizontal to vertical is key to the construction of this pressure equalized curtain wall.

**FEATURES**

- Outside set, pressure glazed system
- Completely factory engineered & fabricated
- Multiple profile width and depth options
- Custom designed shear blocks for easy assembly
- Multiple glulam and solid wood species available
- FSC® certified wood available upon request
- Aluminum horizontal members option
- LEED friendly system including recycled content
- Designed and manufactured in the U.S.A.

**PERFORMANCE:**

- Large missile impact tested
- Natural thermal properties of wood insulates for higher energy efficiency
- Test results available upon request

**GLAZING:**

- Accommodates glazing infills from $\frac{3}{16}$" to 1½"; thicker glass options depending on engineering
- Two or four sided structurally glazed options

**OPTIONS**

**FINISHES:**

- Standard wood/glulam finishes
  - White Oak, Red Oak, Hard Maple, White Ash
  - Designer wood/glulam finishes
  - Cherry, Douglas Fir, Sapele Mahogany, Walnut
- Standard aluminum finishes
  - AAMA 2603: Bronze, White
  - AAMA 611 Class I Anodized: Clear, Dark Bronze
- Designer aluminum finishes
  - AAMA 2603: Hartford Green, Black
  - Natural, Clay, Sandstone
- Custom finishes
  - Powder coat finish: AAMA 2604 - 2605
  - Fluoropolymer (50% or 70%): AAMA 2604 - 2605
  - Metal cladding and foiling options for exterior finish

**ACCESSORIES:**

- Door & window system integration options
- Multiple decorative cover caps in aluminum or wood
- Custom milled or shaped wood members possible
- Photovoltaic panel inserts (BIPV)
2" WOOD CURTAIN WALL DETAILS

2" WOOD 4 SIDED STRUCTURALLY GLAZED CURTAIN WALL DETAILS

TESTING

<table>
<thead>
<tr>
<th>Panel</th>
<th>Size</th>
<th>Certification</th>
<th>Design Pressure</th>
<th>Air at 6.24 PSF</th>
<th>Water</th>
</tr>
</thead>
<tbody>
<tr>
<td>13582.1 (FL)</td>
<td>4W x 8W</td>
<td>Florida</td>
<td>± 60psf</td>
<td>0.09 cfm/ft²</td>
<td>9psf</td>
</tr>
</tbody>
</table>

Additional testing (non-impact) available upon request.

Please Note:
Testing and performance results may vary depending upon sill, size, and hardware selections. Please be sure to visit our website at www.solarinnovations.com or contact your Solar Innovations® representative for additional product information.
In addition to Solar's wood interior/aluminum exterior system, we also offer a variety of design options for a truly custom wood curtain wall. For an all wood style, a wood cover cap can be used on the exterior side. Structurally glazed options allow for a flush exterior with no caps.

**Cover Cap Options**

- Flat Cap
- Beveled Cap
- Fluted Cap
- Concave Cap
- Double Ogee Cap
- Wood Cap

**Design Options**

In addition to Solar's wood interior/aluminum exterior system, we also offer a variety of design options for a truly custom wood curtain wall. For an all wood style, a wood cover cap can be used on the exterior side. Structurally glazed options allow for a flush exterior with no caps.

**Finish Options**

- Wood Facade System (Standard Option)
- Wood Facade with Wood Cover Cap (Available for interior walls/sheltered walls)
- 2-Sided Structurally Glazed Wood Facade
- 4-Sided Structurally Glazed Wood Facade
- Wood and Aluminum Facade System

**Wood Facade System (Standard Option)**

- White Ash
- Hard Maple
- White Oak
- Red Oak
- Cherry
- Douglas Fir
- Sapele Mahogany
- Walnut

**Wood Facade with Wood Cover Cap (Available for interior walls/sheltered walls)**

- Flat Cap
- Beveled Cap
- Fluted Cap
- Concave Cap
- Double Ogee Cap
- Wood Cap

**2-Sided Structurally Glazed Wood Facade**

- Flat Cap
- Beveled Cap
- Fluted Cap
- Concave Cap
- Double Ogee Cap
- Wood Cap

**4-Sided Structurally Glazed Wood Facade**

- Flat Cap
- Beveled Cap
- Fluted Cap
- Concave Cap
- Double Ogee Cap
- Wood Cap

**Wood and Aluminum Facade System**

- Flat Cap
- Beveled Cap
- Fluted Cap
- Concave Cap
- Double Ogee Cap
- Wood Cap

**Finishes**

- Stock Finishes
  - White Oak
  - Red Oak
  - Hard Maple
  - White Ash
  - Cherry
  - Douglas Fir
  - Sapele Mahogany
  - Walnut

- Designer Finishes
  - SI White
  - SI Bronze
  - Class I Clear Anodized
  - Dark Bronze Anodized

- Metal Cladding
  - SI Black
  - SI Sandstone
  - SI Natural Clay
  - SI Hartford Green
  - Copper
  - Lead Coated Copper
  - 304 Stainless Steel #4 Satin Cladding
  - 304 Stainless Steel #8 Mirror Cladding

- Powder Coating Solids
  - Bone White
  - Fashion Gray
  - Colonial Gray
  - Military Light Blue
  - Burgundy
  - Charcoal
  - Champagne
  - Cosmic Gray
  - Light Bronze
  - Copper

- Powder Coating Metallics
  - Acacia 1001 DS 716 Textured
  - DS 402 Smooth
  - Douglas Fir 1501 DS 716 Textured
  - DS 402 Smooth
  - Cherry 1402 DS 716 Textured
  - DS 402 Smooth
  - Knotty Pine 2103 DS 716 Textured
  - DS 402 Smooth
  - Cherry 1402 DS 733 Textured
  - DS 403 Smooth
  - Oak Assi 2501 DS 733 Textured
  - DS 403 Smooth
  - Dark Walnut 1802 DS 706 Textured Mahogany Finish
  - Teak 2601 DS 706 Textured Mahogany Finish
  - National Walnut 1806 DS 706 Textured Mahogany Finish

*Stock anodized finishes are available at an additional cost.*

Please Note: Depending upon color selection, extra cost and lead times may apply for all finishes other than Solar Innovations® stock standards. Color illustrations are shown as accurate as standard photography and printing processes allow. Final finish selection should be made from a physical sample; please contact Solar Innovations® to receive samples. All product and finish options are subject to vendor availability. Solar Innovations® reserves the right to discontinue any option at any time without notice. Additional options, including custom color matches, are available; contact a Solar Innovations® sales designer for details.

solarinnovations.com | 800 618 0669 | 31 Roberts Road, Pine Grove, PA 17963 | Rev 6.118