

WOOD CURTAIN WALL SYSTEMS



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

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- 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
- 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 $1\frac{1}{2}$ "; 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

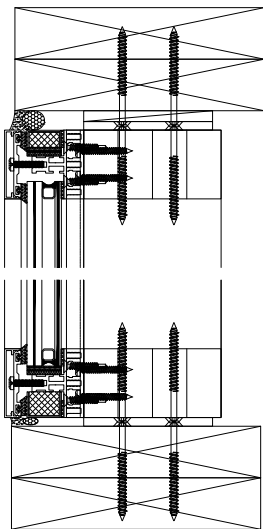
ACCESSORIES:

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

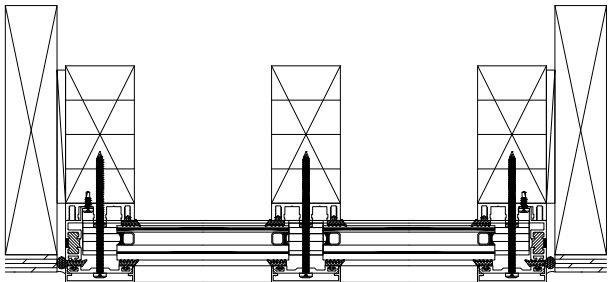
2" WOOD CURTAIN WALL DETAILS

Head Detail

Sill Detail



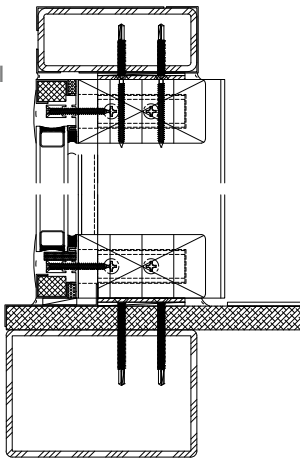
Jamb Intermediate Jamb



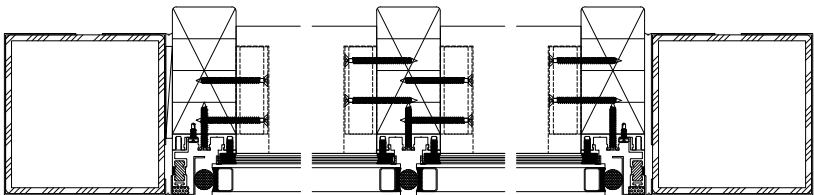
2" WOOD 4 SIDED STRUCTURALLY GLAZED CURTAIN WALL DETAILS

Head Detail

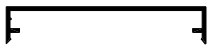
Sill Detail



Jamb Intermediate Jamb



COVER CAP OPTIONS



Flat Cap



Beveled Cap



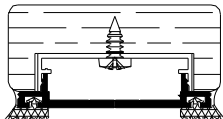
Fluted Cap



Concave Cap



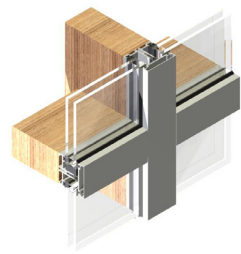
Double Ogee Cap



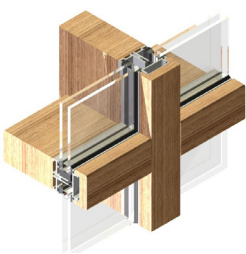
Wood Cap

DESIGN OPTIONS

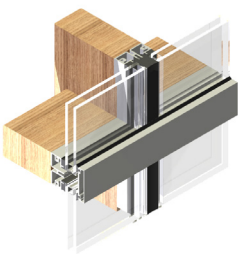
In addition to Solar's wood interior/aluminum exterior system, we also offer a variety of design options for a truly custom wood curtain wall. For an all wood style, a wood cover cap can be used on the exterior side. Structurally glazed options allow for a flush exterior with no caps.



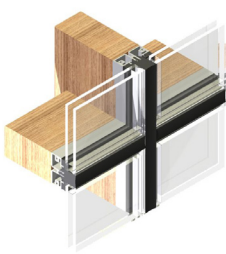
Wood Facade System
(Standard Option)



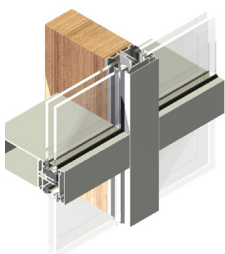
Wood Facade with
Wood Cover Cap
(Available for interior
walls/sheltered walls)



2-Sided Structurally
Glazed Wood Facade



4-Sided Structurally
Glazed Wood Facade



Wood and Aluminum
Facade System

FINISH OPTIONS

Wood/Glulam STANDARD*



Red Oak White Ash Hard Maple White Oak

Wood/Glulam PREMIUM*



Douglas Fir Cherry Sapele Mahogany Walnut

Paint AAMA 2603 (5 year warranty). Finishes available while in stock.



SI Black SI White SI Sandstone SI Natural Clay SI Bronze SI Hartford Green

Anodized Additional cost



Class I Clear
Anodized Dark Bronze
Anodized

Powder Coat Solids STANDARD - AAMA 2605 (10 year; up to 20 year warranty). Scratch & fade resistant; contains no VOCs.*



Black
FRSL 11618 White
FRSL 83247 Sandstone
FRSL 46647 Natural Clay
FRSL 47591 Bronze
FRML 97138 Hartford Green
FRSL 32872

Powder Coat Solids PREMIUM - AAMA 2605 (10 year; up to 20 year warranty). Scratch & fade resistant; contains no VOCs.*



Apollo White
FRSL 82908 Bone White
FRSL 82909 Ivory
FRSL 46646 Seawolf
FRSL 46645 Fashion Gray
FRSL 74652 Colonial Gray
FRSL 74653 Charcoal
FRSL 74654 Antique Bronze
FRSL 46648 Burgundy
FRSL 62496 Military
Light Blue
FRSL 21709

Visit <https://www.ifscoatings.com/content/assets/Uploads/brochures/IFS-Architectural-Digital-Color-Card.pdf> for additional metallic and anodic finishes.

Metal Clad STANDARD*



Copper #4 Polished
Stainless Steel

Metal Clad PREMIUM*



Rheinzink
Bright Rolled Rheinzink
Blue Gray Rheinzink
Graphite Gray Brass Bronze

Decoral Finishes (Powder Coat)*



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

Wood Veneering (Unfinished) STANDARD*



Douglas Fir White Oak Walnut Honduran Mahogany

Wood Veneering (Unfinished) PREMIUM*



Ponderosa (White) Pine Pecan Pine Cherry

Note: wood veneering is for interior applications only. Available on a limited basis due to vendor supply.

*Lead times subject to availability.

Note: Depending upon color selection, additional charges and increased lead times may apply. Extended warranties and service plans are available for an additional charge. Examples are shown as accurate as photography and printing processes allow. Final finish selection should be made from a physical sample; contact Solar Innovations® for samples. 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 match, are available; contact Solar Innovations® for details.