



BRIDGE PARK

DUBLIN, OH

FIBER CEMENT PANEL CHARACTERISTICS:

- 7/16" commercial grade panels
- Panelized reveal system or battens for distinct look on each building.
- Engineered for superior durability in all climate conditions.
- Ventilated rain screen assembly for moisture management.

Technical Attributes HardiePanel™ Vertical Siding

James Hardie Building Products, Inc.
HardiePanel™ Vertical Siding has been comprehensively tested and displays the following typical physical properties:

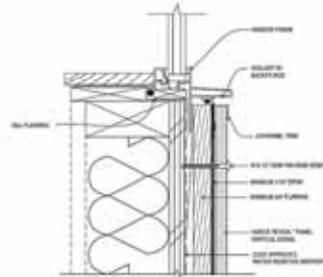
General Property	Test Method	Unit or Characteristics	Requirement	Result	
PHYSICAL ATTRIBUTES	Dimensional Tolerances				
	Length	ASTM C1185	± 0.3%	Pass	
	Width	ASTM C1185	± 0.3%	Pass	
	Thickness	ASTM C1185	± 0.04 in.	Pass	
	Squareness	ASTM C1185	± 1/32 in./ft. of length	Pass	
Edge Straightness	ASTM C1185	± 1/32 in./ft. of length	Pass		
Density, lb/ft ³	ASTM C1185	As reported	± 83	Pass	
Water Absorption, % by mass	ASTM C1185	As reported	± 36	Pass	
Water Tightness	ASTM C1185	Physical Observations	No drop formation	Pass	
Moisture Content, %	ASTM C1185	As reported	± 8	Pass	
Moisture Movement, % Linear Change	ASTM C1185	30 – 90% Relative Humidity	As reported	± 0.05	
Flexural Strength	ASTM C1185	Wet conditioned, psi	± 2213 psi	Pass	
	ASTM C1185	Equilibrium conditioned, psi	± 2430 psi	Pass	
THERMAL	Thermal Conductivity	ASTM C577	$k_{avg} = 8 \text{ (Type-A) } \#$	As reported	3.07
	Actual Thermal Conductivity	ASTM C577	(k_{act})	As reported	3.42
	Thermal Resistance	ASTM C577	$R = 1/k_{avg}$	As reported	0.49
	Actual Thermal Resistance	ASTM C577	(R_{act})	As reported	0.23
DURABILITY	Warm Water Resistance	ASTM C1185	Physical Observations	No visible cracks or structural alteration	Pass
		ASTM C1185	Warm Water, % wet retention	± 85%	Pass
	Heat/Rain Resistance	ASTM C1185	Physical Observations	No visible cracks or structural alteration	Pass
	Freeze/Thaw Resistance	ASTM C1185	Physical Observations	No visible cracks or structural alteration	Pass
		ASTM C1185	Freeze/Thaw, % wet retention	± 3.0	Pass
	ASTM C1185	Freeze/Thaw, % wet retention	± 88%	Pass	
UV Accelerated Weathering Test	ASTM G23	Physical Observations	No cracking, chalking, or staining	Pass	
FIRE CHARACTERISTICS	Surface Burning Characteristics	ASTM E84	Flames Spread Index (FSI)	0	Pass
		ASTM E84	Smoke Developed Index (SDI)	0.5	Pass
		ASTM E84	Fuel Contributed	0	Pass
			MFR Class	As reported	A
			Uniform Building Code™ Class	As reported	1
			International Building Code™ Class	As reported	A
Noncombustibility	ASTM E136	Noncombustible	Pass/Fail	Pass	
Fire Resistance Rated Construction	ASTM E119	Fire Resistance Rating	1 hour	Pass	

Note 1: Listed on Warnock Hensley and ICC-ES ESR-1045

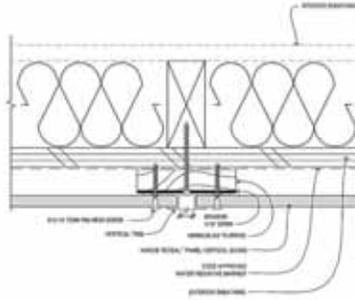
NOTE: In addition to the above product properties, building assemblies incorporating its product have been tested for fire and impact performance.

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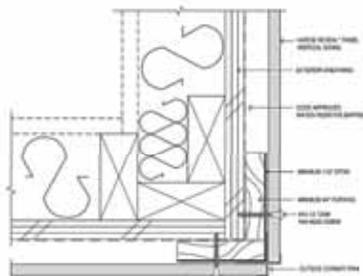
Additional installation information, warranties, and drawings are available at www.jamhardie.com



WINDOW SILL



VERTICAL REVEAL JOINT



CORNER TRIM



Lennox Apartments



Board and Batten



Cement Fiber Board Reveal System



C1-C2-C3-C4

FIBER CEMENT BOARD DETAILS

MOODY•NOLAN
RESPONSIVE ARCHITECTURE

02-26-2015



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DUBLIN, OH

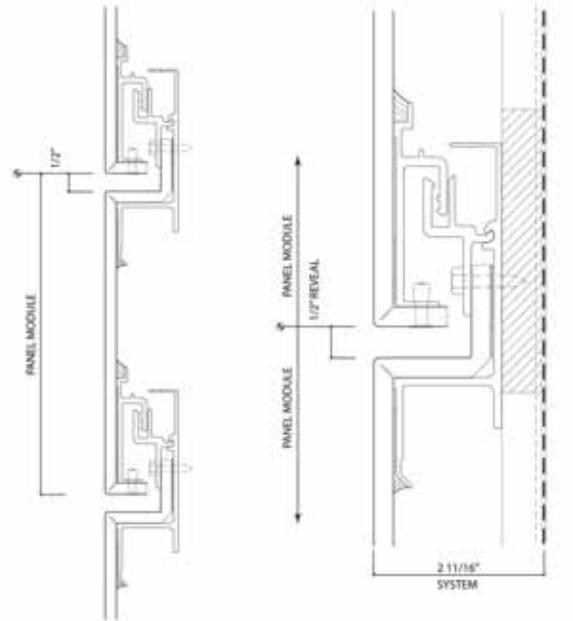
CENTRIA FORMABOND used at building C2 only

Description

FormaBond MCS Panels create a dry seal exterior wall system through the use of a unique joinery system. With continuous venting along the length of each joint, the panel system is a high performance Pressure Equalized Rainscreen System even with an imperfect air barrier. Panels are available in a 2 11/16" thickness and offer various reveal widths up to 6". FormaBond thickness offers enhanced structural and surface impact strength and is the ideal choice for high human interaction zones on buildings.

General Design Options

PLANK DEPTH	3/8"
SYSTEM DEPTH	2 11/16"
MAXIMUM MODULE	5' 8"
MINIMUM MODULE	6 1/2"
MAXIMUM HORIZONTAL PANEL SIZE	15' x 5'
MAXIMUM VERTICAL PANEL SIZE	5' x 15'
STANDARD PLANK SKIN THICKNESS	.030"
OPTIONAL PLANK SKIN THICKNESS	.032"
HORIZONTAL STANDARD REVEAL	1/2"
HORIZONTAL OPTIONAL REVEAL	1" - 6"
VERTICAL STANDARD REVEAL	1/2"
VERTICAL OPTIONAL REVEAL	5/8" - 6"
PANEL LENGTH MAX	15'
PANEL SYSTEM WEIGHT	+2 lbs. per sq. ft.
STANDARD VERTICAL JOINT MATERIAL	Galvalume
OPTIONAL VERTICAL JOINT MATERIAL	Copper
STANDARD TEXTURE	Smooth
OPTIONAL TEXTURE	Embossed
CURVED APPLICATIONS	Contact CENTRIA
FINISHES	See CENTRIA Color Chart



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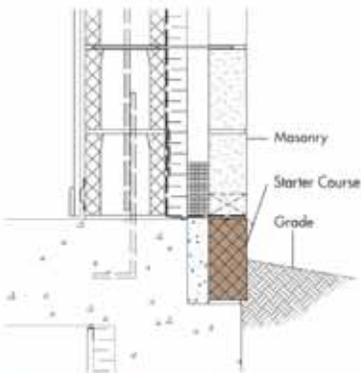


BRIDGE PARK

DUBLIN, OH

Incorporate an
Adair® Limestone Starter Course
Starter Course

Installing a starter course of Adair® dolomite will maintain the aesthetic integrity of the masonry. Its greater density and lower absorption is ideally suited to resist the conditions at grade.



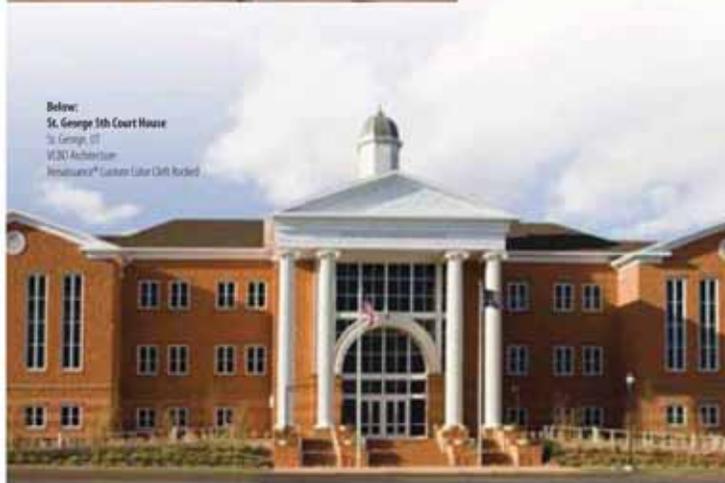
Adair® Limestone starter course



Top Left:
4501 North Fairfax Office Complex
Fairfax, VA
WGS Architects
Renaissance® White Sandblasted

Top Right:
Providence
Providence, RI
Troglia Architects
Renaissance® White Sandblasted

Left:
Saint Nektarios Southeast
Greek Orthodox Parish, Inc.,
Charlotte, NC
One on One Design
Renaissance® Custom Color Smooth and Flashed



Below:
St. George 15th Court House
St. George, VT
VSD Architecture
Renaissance® Custom Color Dark Flashed

ARRISCRAFT STONE is used at buildings C1 & C4/ C5



THE ARRISCRAFT ADVANTAGE:

- High strength, high density, and natural absorption translate into superior durability;
- Exceptionally tight dimensional tolerances;
- No cement or chemical additives; Renaissance® is not subject to the degree of shrinkage associated with cement-based products;
- Consistent color throughout the entire stone; Renaissance® can be cut, chiseled and dressed in the field while maintaining its color and texture.
- Arriscraft products can contribute to LEED® points and to sustainability in the LEED categories of Energy and Atmosphere, Materials and Resources, and Innovation in Design.
- Arriscraft offers an industry-unique Lifetime Product Warranty.

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STONE DETAILS