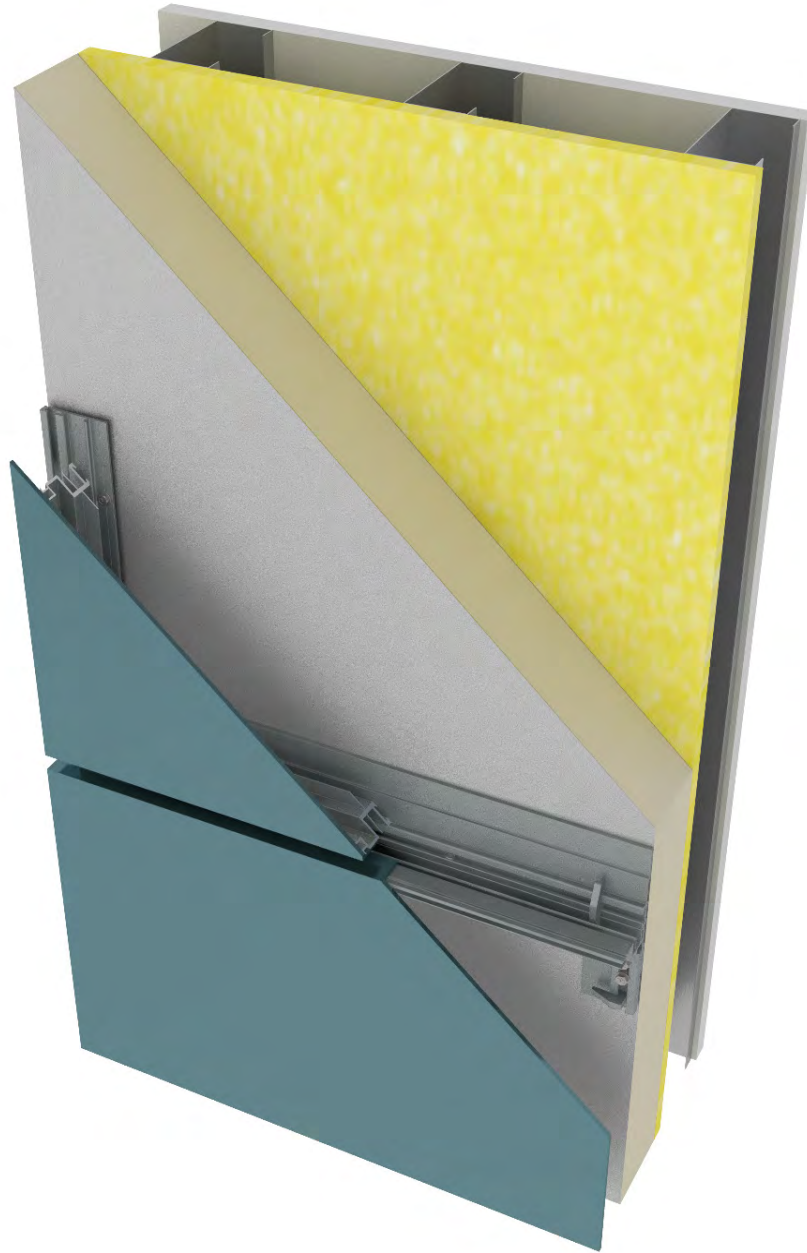




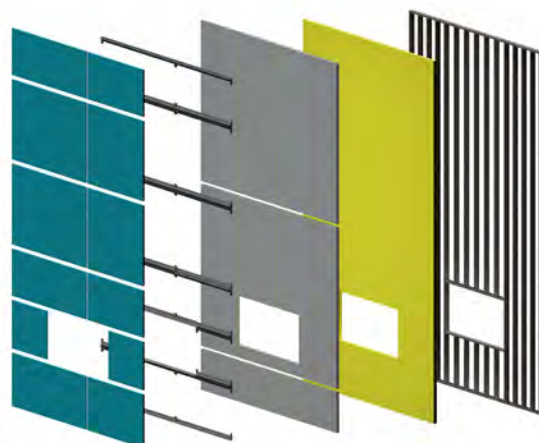
Technical

Manual

Product Composition

TYPICAL WALL ASSEMBLY

- ❶ Building base wall
- ❷ 1/2" Exterior Gypsum
- ❸ Continuous Insulation
- ❹ Weather barrier
- ❺ Arrowhead panel installation system
- ❻ Any of Fairview's cladding products



RapidwrapCI Arrowhead Solutions

We offer two Arrowhead solutions as part of the RapidWrap CI full wall assembly as follows:

- ❶ Arrowhead Flex, our most versatile solution, which can be used with any of our cladding products: Vitrabond FR, Vitrabond G2 and Vitraplate. ensures that our products and services are of the highest standards

Arrowhead Flex



- ❷ Arrowhead Lean, the offers simplified fabrication can be used with with Vitrabond FR only.

Arrowhead Lean



The adaptive nature of the Arrowhead installation systems also means that Arrowhead Flex and Arrowhead Lean can be combined on any wall to offer design flexibility such as varying depths of panels. Please note that standard returns are 1" for Flex and 0.5" for Lean.

Arrowhead Flex and Lean

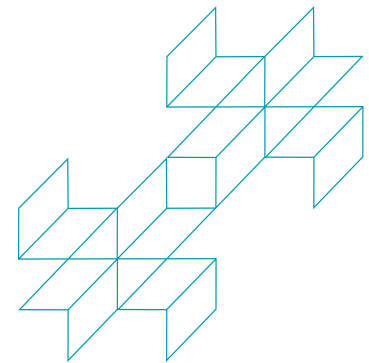


Product Weight

WEIGHT		NOTES:
Total cladding assembly weight is maximum 5 psf.	Arrowhead installation system and Exterior cladding product (Vitraplate, Vitrabond or Vitrabond G2).	Weight may be lighter depending on the exterior cladding and Arrowhead system used.
	Polyiso Insulation	3" polyiso insulation to be fastened at 16" o.c max vertical spacing along the height of each stud. 4" polyiso insulation to be fastened at 8" o.c max vertical spacing along the height of each Arrowhead.
	Fastening	Arrowhead base extrusion should be fastened on every stud and spaced up to a maximum of 24" o.c. . Where stud spacing is less than 24" o.c., the base extrusions should be fastened to every stud.

Arrowhead T-Clips

These should be fastened every 16" o.c. horizontally and on each vertical corner.



Warranty

An MCM product warranty of up to 20 years is provided when installed by a licensed installer. An MCM coating warranty is issued on a project specific basis and is available up to 30 years per Fairview architectural approval.

REPLACEMENT PANELS

The Arrowhead systems make replacing damaged or swapping panels for an alternative finish, easy due to the patented and innovative 3-piece reveal. For more information on Arrowhead, contact our team on 860-242-2711.

SEALANTS

Seal wall base extrusion to the CI above and below, and behind any additional penetrations. Follow sealant manufacture's specifications and guidelines for application. Aluminium Alloy

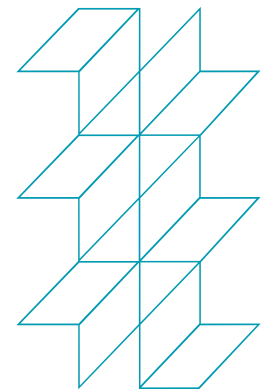
RapidWrap CI is made up of varying parts of extruded 6063-T6 aluminum alloy. This flexibility provides multiple design options when installed with continuous insulation. RapidwrapCI is compatible with Arrowhead Flex and Arrowhead Lean panel installation systems.

System-Tested Solutions

RapidWrap CI meets the Voluntary Test standards of AAMA 508 (Pressure Equalized Rainscreen) and AAMA 509 (Drained and Back Ventilated Rainscreen). RapidWrap CI has also been tested as part of an NFPA 285 compliant wall assembly. Further details can be found in our Technical Evaluation Report produced by Dr J Engineering.

AAMA 508 PRESSURE EQUALIZED RAIN SCREEN LEAN AND FLEX			
Standard	Test	Test Standard	Result
ASTM E283	Air Leakage of Test Buck (without panel system installed)	0.11 cfm/ft ² min. 0.13 cfm/ft ² max.	PASS
ASTM E1233	Cyclic Static Air Pressure Differential (pressure cycling)	Cycle Time Lag 0.08 sec max. Cycle Pressure Difference 12.5 psf max.	PASS
			PASS
ASTM E331	Static Water Penetration	3.20 ft ²	PASS
AAMA 501.1	Dynamic Water Penetration	3.20 ft ²	PASS
ASTM E330	Uniform Load Deflection and Uniform Load Structural	L/175 of Stiffener Length	PASS

AAMA 509 DRAINED AND BACK VENTILATED ARROWHEAD RAIN SCREEN			
Standard	Test	Lean Results	Flex Results
ASTM E283	Air Leakage	V1	V3
ASTM E331	Static Water Penetration	W1	W1
AAMA 501.1	Dynamic Water Penetration		



RapidWrap CI installed with Arrowhead Flex meets the test protocols TAS201, 202, and 203 in accordance with the Florida building code for the high velocity hurricane zone and Miami Dade County requirements.

VITRABOND FR PANEL OVER ARROWHEAD			
Standard	Test	Test Results	Result
TAS 202 - 94	Uniform Static Air Pressure	(+100/-150 psf)	PASS
TAS 201 - 94	Large Missile Impact Procedures	(+100/-150 psf)	PASS
TAS 203 - 94	Cyclic Winds Pressure Loading	(+100/-150 psf)	PASS



It is the responsibility of the Architect, Building Owner, General Contractor, Installer or Fabricator to ensure that the appropriate tests have been carried out on the final assembly and that the materials meet the national, regional and local building codes and regulations. As the supplier, Fairview can only offer test reports for Vitrabond and any tested wall assembly. Fairview is not responsible for determining if a variation in the wall assembly will meet the test standards.

Technical Data contained in this document is accurate at the time of writing 05/03/2021. In the event more information is required please contact the Fairview office on 860-242-2711 or email: helpdesk@fairview-na.com

Issue – 1.0

