



Design & Engineering

Arcadia's UW Series is a unitized/panelized curtain wall system available in both captured, 2 side or 4 side structural glazed in a variety of depths, profiles and finishes. Arcadia works closely with architects

promoting highly comprehensive custom unitized/panelized curtain wall systems combining both cutting-edge design and performance.

Success of a project depends in large part on creating solid estimates during the pre-construction and schematic design phase. Arcadia's design and estimating staff works closely with architects, contractors, construction managers and owners to identify efficiencies that can provide substantial cost savings.

Arcadia's commitment to assist the architect with detailing, material applications, finishes and constructability issues ensures that the project application meets - and exceed - expectations.



Project Management

Being a highly structured process our project management staff has had a wide range of experience on complex projects. While understanding dynamics and the logistics within the construction process Arcadia is committed to both quality and schedule. That commitment is executed while implementing a program of reporting methods, supporting ongoing internal progress meetings, reviewing schedules, engineering status, submittal approvals and manufacturing status.

The Arcadia UW Series meets key specifications for the following performance test standards

Air Infiltration	ASTM E 283
Water - static	ASTM E 331
Water - dynamic	AAMA 501.1
	AAMA 520
Structural - uniform windload	ASTM E 330
Thermal Cycling	AAMA 501.5
Thermal Transmittance -	AAMA 1503
U factor	AAMA 507
	NFRC 100
Condensation Resistance	AAMA 1503
	NFRC 500
Overall Solar Heat Gain	NFRC 200
Coefficient	AAMA 507
Sound Transmission Class	ASTM E 90
	ASTM E 1425
Seismic	AAMA 501.4



Manufacturing Capabilities

Within our 200,000 square foot facility we have the capabilities to finish, fabricate, assemble and glaze the most complex projects. Before all production begins laboratory test mock-ups are erected to perform all required per-

formance testing per AAMA, ASTM and NFRC standards.

The entire process, from design to drawing preparation, material management, testing, fabrication,

assembly, glazing, packing and shipping is completed in-house. The manufacturing process is also inspected at every juncture through our Quality Control Program. Having these production controls allows Arcadia to maintain all schedule requirements.

Green & Sustainability

The curtain wall industry has evolved rapidly over the past decade and Arcadia is in step with the technological trends in every arena. Arcadia's design and engineering group has the unique ability to provide component modeling for energy values related to National Fenestration Rating Council

(NFRC) compliance, shading and day lighting analysis. Arcadia is committed to develop and maintain products that comply with the Leadership in Energy and Environmental Design (LEED) for Core and Shell Rating System.

Arcadia is also supporting the fast growing trend toward Building Information Modeling technology by developing and providing BIM-based design tools enabling architects, mechanical engineers and general contractors to simulate, analyze and document their designs more efficiently and accurately and ultimately deliver greener building systems and healthier more resource-efficient buildings.



Optimizing energy performance in buildings requires an integrated approach to building systems designs, analysis and implementation. Building-Integrated Photovoltaics (BIPV) is an increasingly popu-

lar approach for using the building skin as a means to harvest solar energy. More recent techniques involve systems of lighting, lighting controls, sensors and shading devices all integrated with the building HVAC system.

Arcadia has the ability to develop custom integrated systems in response to your particular building performance requirements.

