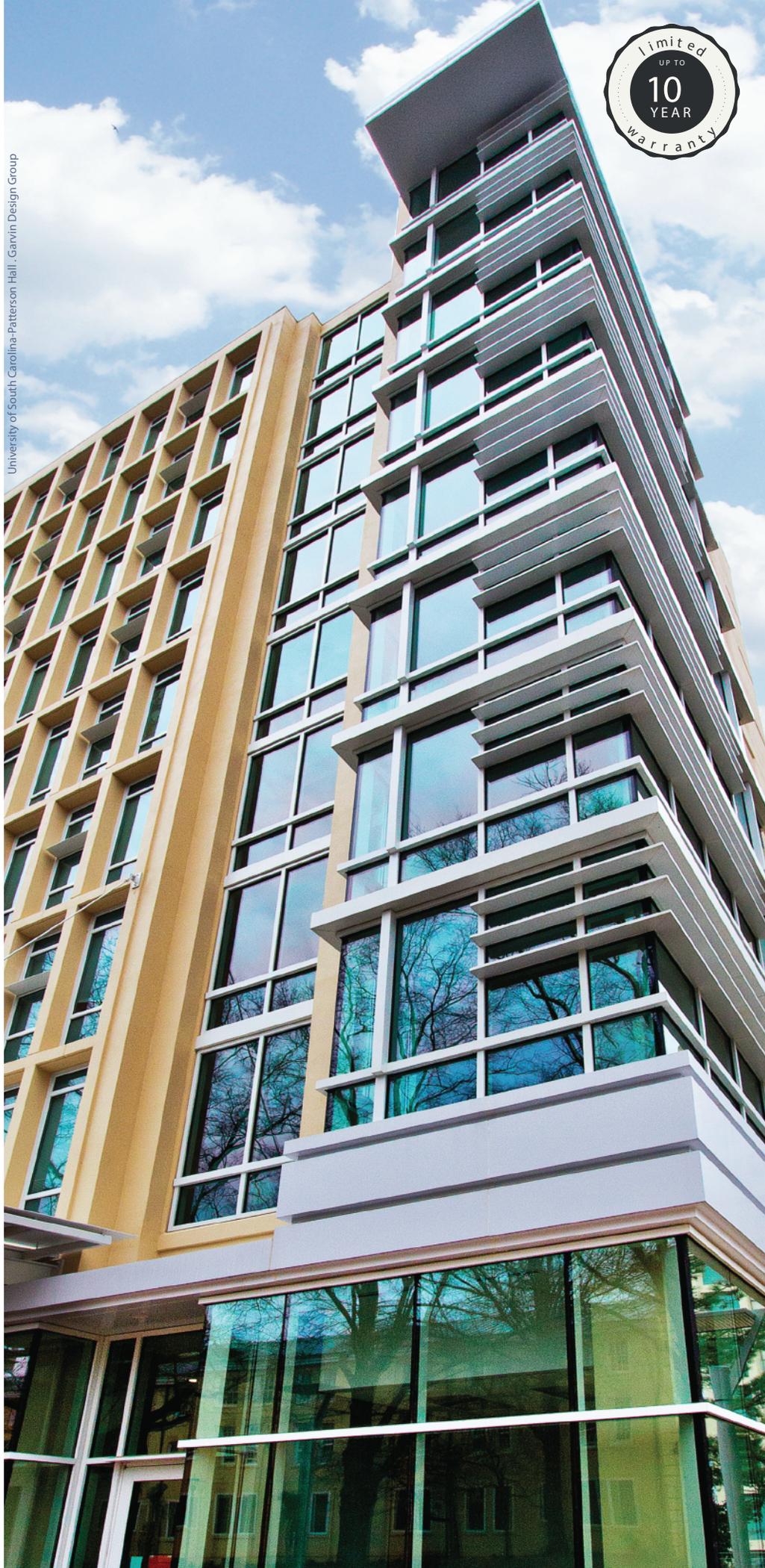




WAUSAU

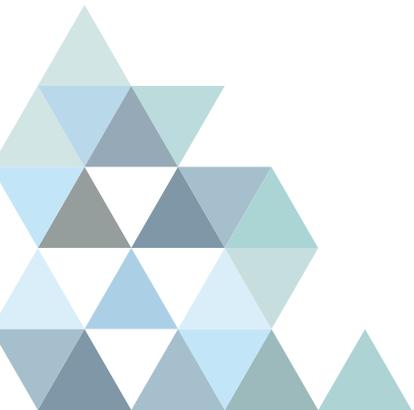
WINDOW AND WALL
SYSTEMS

University of South Carolina-Patterson Hall - Garvin Design Group



RIGHT the way you want it

A Capabilities Overview



On-Time Delivery Damage-Free Shipments



United States Naval Academy-Maury Hall . Ernest Flagg

Experienced project managers assigned to every project, from bidding through installation

Critical path schedules developed and kept current through submission, approval and manufacturing

Electronic document transfer, including extensive experience with collaboration software

Architectural and code authority support, and consultant relationships help ensure prompt approval

In-house custom color paint blending.

In-house video conferencing capability for project updates

Engineering and manufacturing capacity to handle even the largest projects, and the most aggressive delivery schedules

Fully-sequenced project break-outs, from applications engineering through shipment, coordinated with installation requirements

Shipping on Wausau's fleet of trucks to minimize "common carrier" LTL delays and damage, advance notification of delivery method and time

LEED submission support - extruded aluminum framing contains recycled content averaging 70% or greater

Product Performance Ease of Installation

Pre-bid design engineering to ensure proper product selection

Revit BIM modeling available for design and project execution

Fully-staffed project engineering teams, with over 1000 years combined experience in design for ease of installation

Wausau-guaranteed field measuring for custom-engineered window renovations. Layout and installation support

Licensed, registered professional engineers for in-house structural calculations

Complete thermal performance analysis capabilities for U-Factor, condensation resistance, solar heat gain, and daylighting

A complete line of NFRC-labeled products

NFRC Component Modeling Approach (CMA)
Approved Calculation Entity (ACE) modelers on-staff

Seismic design and analysis, including extensive State of California OSHPD experience

Hurricane impact testing and code interpretation support

Design for blast hazard mitigation per Inter-Agency Security Criteria or Department of Defense Unified Facilities Criteria

Acoustical performance optimization



Salt Lake City Public Safety . GSBS Architects

Capable Manufacturing Effective Packaging



Slate . Works Progress Architecture

380,000 square-foot Wausau Manufacturing Center certified as LEED-Silver by the US Green Building Council

100,000 square-foot Stratford (Wisconsin) Manufacturing Center supports Advantage by Wausau

Wireless factory floor “thin clients” for electronic information transfer, allowing instant status reporting and revisions

Award-winning safety performance

Automated dual-head sawing equipment, and five-axis CNC machining centers for close-tolerance cutting and machining of specialized work

Overhead crane coverage throughout manufacturing areas for large, heavy units, facilitating speed of installation

Flexible packaging to meet jobsite handling and distribution needs: crated, palletized, or packed with minimum dunnage

Photo documentation of every outgoing load

A 20-year culture of Six Sigma continuous quality improvement and Lean Manufacturing waste reduction

Quality Assurance Up to 10-Year Limited Warranty

Revision-controlled enterprise-wide quality assurance documentation, including SOPs, Critical Business Practices, Quality Standards, Records and Logs

Apogee sibling business unit Linetec provides 100% of aluminum finishing and thermal barrier, for quick turn and highest quality

Shear strength testing on polyamide thermal barriers ensures flexural stiffness and water resistance

Frequent in-process material quality audits

Compatibility and adhesion testing on every structural silicone-glazed project

Annual associate training and certification in critical sealing and glazing skills

Production line inspection and water testing of glazed window products and sub-sills before shipment. Complete records are available to each project's building team

Wausau offers industry-leading limited warranty of up to 10 years

Material and maintenance bonding available upon request



Carver-Hawkeye Arena . Caudill Rowlett Scott

Operable and Fixed Windows Curtainwall Products

All operable windows and terrace doors are AAMA Architectural (AW) Performance Class, including life-cycle testing for long-term durability

Competitive INvent™ standard casement, awning and hopper vent projected windows, pre-engineered for quick delivery through Advantage by Wausau

Historically-accurate renovation windows, panning and muntin grids

Hurricane impact-tested, blast hazard-mitigating, and behavioral care windows

Integral between-glass blind options

U-Factors as low as 0.17 BTU/hr.sqft. °F

Thermal barrier INvision™ unitized curtainwall systems to meet Model Energy Codes in any climate zone

Unitized curtainwall anchors can be adjusted after hoist rigging removal, to minimize field labor

ClearStory™ sun shades and light shelves enhance energy efficiency, and integrate seamlessly with Wausau wall systems

Wausau SuperWall™ ships fast, in any color

Complementary storefront and entrance systems available



Air National Guard Readiness Center . Gensler

Over Sixty Years of Success and Customer Partnership



Wausau Metals began in 1956, and became Wausau Window and Wall Systems in 1999

Focused on windows and curtainwall for commercial and institutional construction applications, health care, office governmental, education and high-rise residential

Working closely with architects, building owners and contractors, to realize their vision for aesthetic beauty, sustainability and lasting value, Wausau strives to maintain the highest level of customer service, communication and overall satisfaction

Wausau offers an industry-leading limited warranty of up to 10 years

Wausau is an Apogee Enterprises business unit
Stock symbol APOG on the NASDAQ exchange



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