

EXOSTRUCTURE

A PRE-ENGINEERED COMPOSITE BUILDING SYSTEM

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A lightweight composite pre-engineered building system, designed to be an alternative to traditional pre-engineered and structural metal buildings.

EXOSTRUCTURE combines the benefits of precision automated manufacturing with high-strength lightweight composites, to deliver a building system which reduces on-site construction time and lowers the total cost of ownership over the life of the structure.



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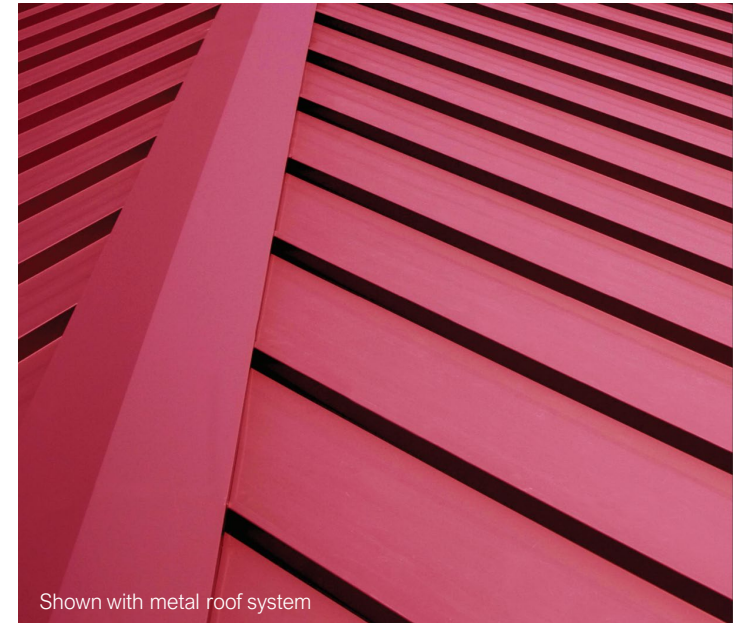
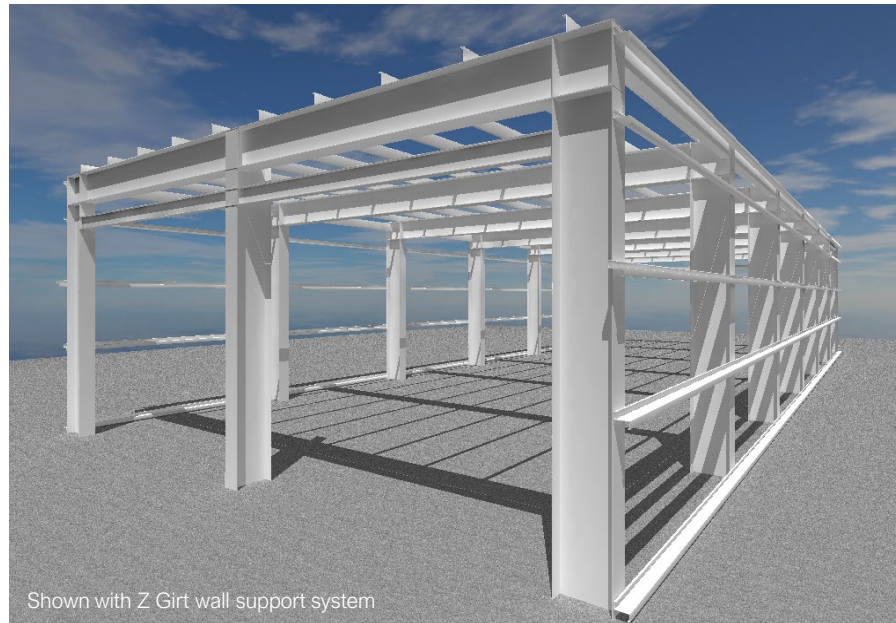
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Developed by Northstar Technologies Group, EXOSTRUCTURE was built on 35 years of experience in advanced composite and digital manufacturing to bring affordable, safe and resiliency to the building structure.

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EXOSTRUCTURE WITH EXOSHELL WALL PANELS

FEATURES

- EXOSTRUCTURE pre-engineered composite building systems seamlessly integrate with Northstar's EXOSHELL composite wall panels, offering unlimited design flexibility to meet the most stringent architectural code requirements.

AVAILABLE TEXTURES & FINISHES

- Architectural Cladding Systems
- Aluminum Composite Panels – ACM Panels
- Stuc-o-Flex Elastomeric Acrylic Finish
- PPG Corafon ADS Intermix Architectural Coating

EXOSTRUCTURE WITH STANDARD Z-GIRT SUPPORT

FEATURES

- EXOSTRUCTURE pre-engineered composite building systems can be clad with standard pre-engineered building metal wall panels or in-filled with concrete block.

ROOFING OPTIONS

- Architectural metal roof systems
- Composite structural roof panels for TPO and build-up roof systems

Contact us for more information

Images are for conceptual purposes only. Refer to Northstar's technical drawings and specifications for detailed information.

PROVEN COMPOSITE MATERIALS

EXOSTRUCTURE utilizes materials and processes long-proven in the aerospace, marine and automotive industries. Fiber Reinforced Polymer (FRP) composites are widely known to be strong, lightweight and corrosion resistant.

EFFICIENT DIGITAL MANUFACTURING

Custom digital modeling is core to our manufacturing process. CAD and Revit models are refined by our engineering team, then converted into digital output files that are uploaded to automated CNC machines which produce precision components.

CLASS "A" FIRE RATING

EXOSTRUCTURE is the only Class "A" fire rated composite structural framing system available today. Leveraging our fire coating process, our structures can be used on any building, including those in highly corrosive environments.

WIDE RANGE OF APPLICATIONS



COMMERCIAL



AEROSPACE



INDUSTRIAL



RESIDENTIAL



POUND-FOR-POUND STRONGER THAN STEEL



LIGHTWEIGHT COMPOSITE ALTERNATIVE TO STRUCTURAL STEEL

XL

LARGE PANELIZED SECTIONS SIMPLIFY INSTALLATION AND REDUCE ON-SITE CONSTRUCTION TIME



ROT AND CORROSION RESISTANT