

STEVENS Releases Article on Safety of Steel Buildings

March 30, 2021

Middleburg Heights, Ohio - March 30, 2021 -
Ohio-based STEVENS Engineers & Constructors has released an article discussing how metal buildings are the safest building material due to their unmatched strength to weight ratio. Steel and metal buildings are ?affordable, durable, and eco-friendly,? the metal building erector states. The Ohio industrial building construction company explains how prefab steel buildings stand out in durability and safety from weather elements, fire, and intruders.

Click on the link to read the entire article, https://www.stevensec.com/blog/how-are-steel-buildings-safer.

?Pre-engineered metal buildings can be designed to meet each customer?s safety needs while still providing flexible plans and styles,? says Vicki Anderson, CEO of STEVENS. "It's one of the top five reasons a business should choose to build with structural steel," she continues.

STEVENS explains that steel buildings have been popular thanks to their safety and building standards, adding that 3D modeling helps identify any potential hazards in the pre-engineered steel buildings so they can be corrected before construction begins.

The top pre-engineered metal building experts in Ohio emphasize their strength to stand up to natural disasters. The strength and durability of structural steel make it a preferred construction material for the aircraft industry.

STEVENS points out steel constructions' strength and durability while highlighting its role in being a bulwark against pest infestations, mold, mildew, and rot. ?Prefabricated steel building components ensure that your possessions inside of your building are safeguarded while the exterior elements are kept where they belong - outside,? Vicki says.

One of the biggest advantages of steel is the leading steel erection company states: it ?can bend without breaking and withstand wind speeds of up to 150 MPH without incurring damage to the exterior or foundation.? The Ohio prefab metal construction company stresses that steel can absorb more energy and doesn't attract lightning compared with other building materials due to its lower electrical resistance.

?The lightning's heat will be spread out along the roof and walls to be grounded in the earth,? thus protecting people and property from the effects of a lightning strike.

A steel structure can stand strong in a Seismic Zone 4, the highest classification of seismic zones that are more prone to seismic waves and shifting grounds.

STEVENS also explains how prefabricated metal buildings can provide security in an unsafe area and protect business owners from break-ins or intrusions from vandals. Metal buildings are easy to customize to meet the exact design and security specifications of clients.

Another important advantage of prefabricated metal buildings is that they are fire-resistant, claims the steel building contractor, adding, ?The relationship between structural steel and fire has been rigorously tested for decades.? Thanks to the fire-retardant properties of the metal building, this can allow time for employees to evacuate the building and for emergency services to arrive in time to put the fire out.

Pre-engineered steel buildings withstand daily wear and tear that can ?wreak havoc on traditional building materials.?

STEVENS Engineers & Constructors explains that steel constructions are low maintenance compared with traditional structures that incur routine maintenance expenses for ?re-roofing, siding repair, and exterior painting.?

?Metal roofing and side panels typically come with warranties of up to 40 years,? ensuring that it is a

low-maintenance structure, which is weather-resistant as well. Pre-engineered metal buildings retain their aesthetic appeal for decades.

Anybody looking to start their metal building projects should contact the leading prefab industrial building constructor on the STEVENS, the leader in pre-engineered metal building constructions, via their website.

https://www.youtube.com/embed/yJ7diFCGs3s

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For more information about STEVENS Engineers & Constructors, contact the company here:STEVENS Engineers & ConstructorsVicki Anderson(440) 234-7888info@stevensec.com7850 Freeway Circle, Suite 100Middleburg Hts, OH 44130


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Protects From The Elements Metal buildings have the strength and meet the safety requirements necessary to stand up to natural disasters like tornados, hurricanes, lightning strikes, or an earthquake. Structural steel is so durable that the top aircraft industry professionals use it to house their most valuable aircraft and assets. This gives you an excellent idea of the safety and security metal buildings can offer. But, prefab metal buildings can do more than protect you from the occasional natural disaster. They can also protect the inside of your building from day-to-day combatants like pest infestations, mold, mildew, and rot. Prefabricated steel building components ensure that your possessions inside of your building are safeguarded while the exterior elements are kept where they belong - outside. Here's a quick breakdown of how steel can offer you protection: Steel can bend without breaking and withstand wind speeds of up to 150 MPH without incurring damage to the exterior or foundation. Steel absorbs more energy than its less sturdy counterparts, and it doesn't attract lightning any more easily than any other building material. If your steel building is struck by lightning, the damage from the lightning will be minimized because of the lower electrical resistance of steel. The lightning's heat will be spread out along the roof and walls to be grounded in the earth. Steel will protect the people and property inside of the building from the effects of a lightning strike. A steel structure can stand strong in a Seismic Zone 4, the highest classification of seismic zones that are more prone to seismic waves and shifting grounds. -back to top It Protects From Intruders Another thing that makes metal buildings safe is their ability to protect against intruders. If you're building in an unsafe area, or you need to be sure that your building will be safe from break-ins or intrusions from vandals, metal buildings are the way to go. If your building houses valuable property or sensitive information, you need to know that your assets will be housed in a highly secure building. Metal buildings can be designed to meet your exact design and security specifications to provide you maximum protection from vandals, thieves, and unwanted intruders. -back to top It's Fire Resistant Just like no building is immune to lightning strikes, no building is completely fireproof. But steel is fire resistant, meaning a fire would spread at a slower rate through a metal building than a traditional wood building. The extra time you have if there is a fire could be the difference between a total loss and minimal damage or life and death. The relationship between structural steel and fire has been rigorously tested for decades. Those tests ensure that metal buildings are designed and constructed to the strictest standards. -back to top It Stands Up To Daily Wear and Tear Steel structures create a building designed to withstand daily wear and tear. That same wear and tear can wreak havoc on traditional building materials. Routine maintenance expenses required in traditional structures for re-roofing, siding repair, and exterior painting can cost building owners thousands of dollars each year. That's without mentioning the hassle caused by water damage or invading four, six, and eight-legged critters. Metal roofing and side panels typically come with warranties of up to 40 years. Those warranties will ensure that your low-maintenance structure will remain weather resistant and maintain its aesthetic appeal for decades to come. -back to top Contact STEVENS To Start Your Metal Building Project Commercial businesses and municipalities looking for a cost-effective but safe way to create a custom building that will stand the test of time turn to metal structures more and more. Whether it's their ability to be customized to their low-cost construction, long-term durability, or strict safety standards, metal buildings are a safe construction alternative with unrivaled protection for your business for decades to come. No matter where you are in the process of building,

STEVENS has a solution for you. The STEVENS building systems company uses customizable, high-quality pre-engineered metal buildings with industry-leading capabilities and are constructed with American-made, recyclable Nucor steel. STEVENS is ready to provide you with the highest-quality metal building constructed with long-lasting, safe steel to suit your needs. Contact STEVENS today for an estimate and allow us to make your next building project a success.",

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STEVENS Engineers & Constructors

STEVENS Engineers and Constructors provides complete industrial construction services from our office in Middleburg Heights, Oh near Cleveland. We offer high-quality design, build, and management services to industrial customers across the United States.

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