



Structural Glass & Glazing Engineering for Zoos & Aquariums

SAFE. CLEAR. IMPACT-RESISTANT.

JEI Structural is an engineering and drafting firm specializing in zoo enclosure glass design, aquarium viewing glass engineering, impact-resistant glazing systems, and shop drawings. We balance safety, resilience, and constructibility for world-class exhibits.

- ✓ Structural glass engineering & calculations
- ✓ Impact-resistant glazing systems
- ✓ Laminated & submerged aquarium glass design
- ✓ Acrylic vs. glass performance consulting
- ✓ Glazing shop drawings for fabrication & installation
- ✓ Façade & enclosure panel integration
- ✓ Design Assist & Third-Party Reviews



Why Choose Us

- P.E. Dream Team with decades of industry experience & US licenses.
- Expertise in IBC, ASCE-7, GANA, ASTM & international glazing codes.
- Balance performance level safety factors with animal behavior data.
- Nationwide and international project reach.



Let's build safe, clear, durable habitats together

Call for Q&A or Email Construction Docs for FREE QUOTE.

816-505-0987 | Info@JEIstructural.com | www.JEIstructural.com





BUILDING ENVELOPE & GLASS DESIGN

DIVERSE | INTERESTING | CHALLENGING

Transform your glass architecture from concept to constructible.

At JEI Structural, we specialize in curtain wall and glass façade engineering that enables bold, transparent architecture to perform beautifully. Architects, GCs, Glazing Contractors and Manufacturers turn to us not just for calculations, but for creative collaboration early in the design process. We offer consulting and PE-stamped drawings & calculations that bridge design vision with structural and thermal performance.

Whether it's point-supported glass walls, custom curtain walls, or ultra-clear glazed envelopes, we help you realize stunning design with technical precision. Let's engineer the impossible—together.

OUR PROJECT SERVICES

Third Party Reviews
Metal & ACM Façade
Terracotta Panels
Skylights & Canopies
Guard & Glass Railings
Entrances & Fins
Rainscreen Design

Structural Glass Walls
Curtain Wall & Storefront
Specialty Glazing
Animal Enclosures
Drafting & Cold Form Steel
Glass Floors & Walkways
Design Assist

WHY JEI? WE C.A.R.E.

Proven Experience:

400+ projects annually, with 74% client retention.

National Reach:

Kansas City based, serving across the U.S. and abroad.

PE Dream Team:

Licensed engineers in multiple states, ready to stamp and consult.

Collaborative Approach:

We partner with architects, GCs, and glazing contractors to bring bold designs to life.

Excellent Communication Skills:

Engineers & Drafters who don't just "calculate" but listen, clarify, and translate complex façade systems into clear, buildable solutions.



CURTAIN WALL & STOREFRONT

METAL & ACM FAÇADE

MIXED MATERIAL PANELS



SKYLIGHTS AND CANOPIES

GLASS & METAL RAILING

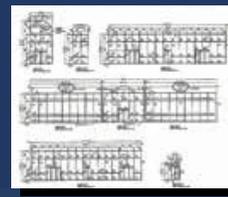
SUNSHADES & FINS



STRUCTURAL GLASS WALLS

SPECIALTY GLAZING

ANIMAL ENCLOSURES



DRAFTING



BLAST MITIGATION ANTI-TERRORISM



Let's Build Together

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