



Five benefits in collaborating with a façade engineering firm

Learn how companies can save money and increase output by hiring and collaborating with a fenestration expert in engineering, shop drawings and BIM.



Collaboration is the new currency.



This guide is intended to help architects, glazing contractors, and window manufacturers better understand the benefits of collaborating and working with a façade engineering firm like JB Design Façade Engineers. We are highlighting the top five benefits.

Honestly, there are a lot more than five benefits, but this guide focuses on what we know matters most to clients: expertise, safety, cost savings, efficiency, and flexibility.

Our job as façade engineers is to help transform your innovative architectural concepts into building realities. We integrate the latest technology and logistical process to assure the production, coordination and collaboration will be effective and efficient for our clients.

This is especially important in markets such as Florida, where environmental factors can wreak havoc on building and façade designs. With different safety and product standards per region, even within the same city, there is no room for error.

JB Design has a long-standing history of offering professional façade engineering services and boasts a team of knowledgeable engineers ready to lend your project their specialized expertise. When you work with us, you can relax knowing your project design will come to life with our team of professionals dedicated to ensuring each project complies with safety and local regulations, and will be on time and within budget.

We hope you find this guide a valuable starting point in learning how JB Design's client-centric approach can complement, enhance and grow your business. Please don't hesitate to contact us with any questions or to discuss our services and partnership options.



Javier Gonazlez

President

JB Design Façade Engineers



Experts in the Fenestration Industry.

1 Access to Specialized Expertise

Façade engineering consultants are experts in their field and can provide invaluable advice and insight into the design, engineering, and construction of a building's façade. This specialized knowledge is essential in ensuring the façade can withstand the elements and function as intended, especially in harsh environments where the building envelope is the first line of defense.

From performing basic structural calculations to providing design drawings for all miscellaneous metals that are used for building components (architectural cladding, sun shading structures, or enclosure systems), a reputable façade engineering service provider can ensure that architects and glazing contractors have all the information they need when designing and constructing the façade.

This information can prove invaluable when designing façades for larger buildings or when adding new components to them, such as a complex glazing system. Using techniques such as finite element method (FEM) for structural analysis, a façade engineering company can greatly assist with product design and testing while also factoring in other physical forces, such as fluid flow, vibrations, heat, and much more.

Ensuring the most up-to-date codes.

2 Improved Safety

Engineers don't simply design façades for aesthetics. They also take into account several safety and function factors, including the behavior of wind and water, the loads on the structure, and the effects of sunlight, among others.

Façade engineering consultants, such as JBD, are also experts in building and safety codes specific to the various regions in the United States and the diverse environments. We stay current with all the building codes and standards for our industry, including ASCE Standards, ASTM International, AA Aluminum Design Manual, and AISC Specification for Structural Steel Buildings, among others.

Façade engineering consultants can help ensure the safety of a building's façade during construction, installation, and maintenance. Architects or glazing contractors that have an aesthetic design in mind can work with a specialized team of façade engineers to identify potential hazards and ensure that safety standards are met.





Providing state-of-the-art in design software.

3 Cost Savings

Working with a specialty consultant can save money in the long run by avoiding the costs associated with hiring, training, and providing benefits for an in-house employee. Furthermore, consultants can provide access to state-of-the-art technology and design software, and project management services, saving time and money on each project.

Specialists like JB Design Façade Engineers offer extensive product knowledge, application techniques, and market experience, all of which can help guide the best options available within budget while meeting the design intent of each project.



Time is money!

4 Increased Efficiency

With their specialized expertise, façade consultants can provide efficient solutions that help to streamline every stage of the construction process, including managing Notices of Acceptance (NOA) and product approval services. This increased efficiency can result in faster project completion and improved project outcomes.

Working closely with architects and glazing contractors, a façade consultant can advise on municipal codes and specific product selection, including anchorage capacity, glass, frame, and compliant specifications. Consultants such as JBD are structured with highly experienced teams in coordinating and preparing the required documentation, including reviewing materials and product performance, and interpreting local, regional, and national codes in addition to required product approvals, Notices of Acceptance, and any required product test reports.

Providing comprehensive drawings, services often include:

- Steel shop and erection drawings
- Cladding shop drawings
- Anchor fabrication drawings
- Glazing shop drawings
- 3D renderings
- BIM services



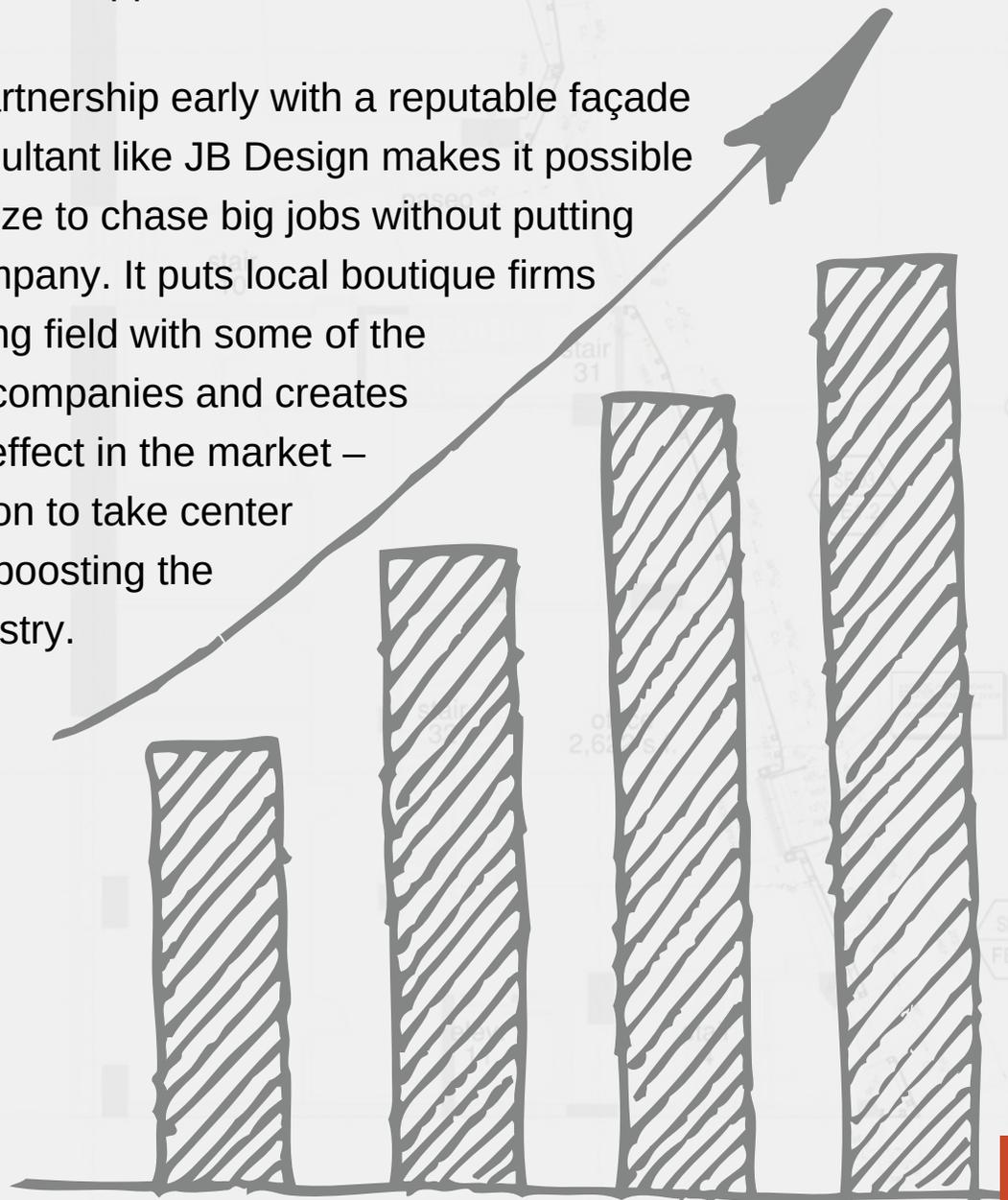


Scale your business with our team.

5 Flexibility & Scalability

The bottom line is when you work with a façade consultant, it allows for greater flexibility and scalability with your business. Not every project requires a façade engineer, but when the project needs more resources, experienced consultants can be hired on a short-term basis to provide additional support.

Establishing a partnership early with a reputable façade engineering consultant like JB Design makes it possible for firms of any size to chase big jobs without putting stress on the company. It puts local boutique firms on an even playing field with some of the nation's largest companies and creates a positive ripple effect in the market – allowing innovation to take center stage while also boosting the construction industry.



Still not sure? Check out our work!



Dedicated to the highest quality...

JB Design brings solutions with passion. Our logistic processes, strategies, and continued education empowers our staff to be in constant adaptation to new technologies.

These tools allow production, coordination, and collaboration to be most effective. Our Team's foundation is the combination of core values such as innovation, responsibility, and professionalism. **Together, we work conveniently close as Glazing Engineers and Consultants** to ensure each project complies with its structural components and local regulations. Our Company's expertise and commitment have and will provide you with the confidence to continue building strong relationships in your future endeavors.

See our work...

Scan or click on the QR Code to access an extensive sample of our work. We put together over 40 pages of shop drawings from some of our recent projects.



Schedule a 15-minute Zoom call...

We would love to talk to you about what we do and how we do it. Click or scan on the QR Code to schedule a no-obligation 15-minute Zoom call to learn more about JB Design Façade Engineers

