

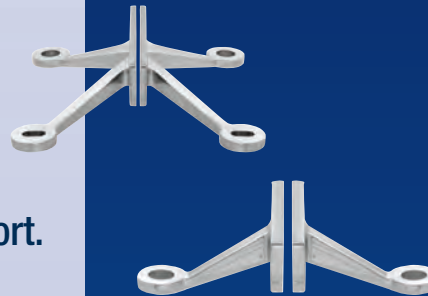


ENVISION THE POSSIBILITIES.®



- Designed For the 'All-Glass' Look
- Made of 316 Alloy Stainless Steel
- Spiders for Mounting to Posts, Walls, and Column Fins
- Mini Spiders Available for Hand Rails, Guard Rails and Awnings

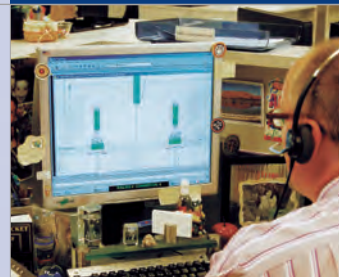
Vitro America provides customers with complete point supported Glass Wall Systems ready to install. Our Envision sales and technical team can offer you total support.



STEP 1

• General Information and Technical Support

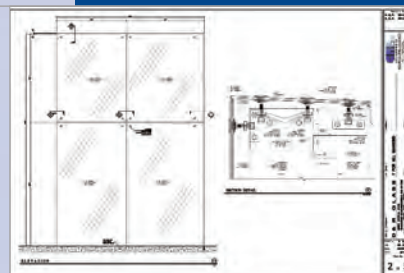
The first step in designing any facade that uses spider fittings is to discuss the general design. Our Technical Sales Representative will be glad to go over the job requirements with you to gather enough information to create a quotation. Basic information is needed to determine which fittings are required, such as, what the spider fittings attach to (Column, Beam or Glass Fin), wind loads, and glass type. Based on your initial information, the Technical Sales Representative will put together a preliminary quote. **NOTE:** All building departments will require structural approval and any changes required may affect the quote and should be submitted for review.



STEP 2

• Technical Drawings

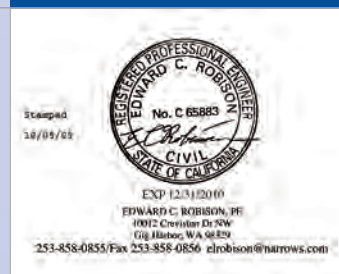
The next step in the process is to create technical drawings and submit all the information required by the structural engineer to evaluate the system so that the customer and architect will approve it. Our dedicated Computer Aided Drafting (CAD) Department will create shop drawings that show the facade design, number and type of spider fittings, along with the glass attachment choice. Doors and other facade variants will also be shown along with specifications on the drawings.



STEP 3

• Calculations and Structural Engineering

The final step in the process is to get a structural engineer's approval and supporting calculations on a stamped set drawings. **NOTE:** The structural engineer must be licensed in the state the job is being completed. Critical weather conditions, such as hurricanes might result in additional support being required (such as tension rods or cable tensioning) to meet the local building requirements. Unfortunately, unforeseen issues that are discovered during the engineering phase may require revised or additional shop drawings and may also affect the original quotations. Because of the critical nature of a spider fitting facade, the more detailed information acquired during the first step of the process will help to avoid costly additional later.



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Glass fin structures by Vitro America offer an exciting option for your glass wall design needs by creating expansive areas of total vision. Glass fins, full height or cantilevered, are used in the place of conventional metal mullions to brace the system and transfer wind load and seismic forces to the supporting boundary structure by providing support along each vertical glass joint.

Depending on specific dimensions, mainplate glass can span the height of the opening in a single lite or in multiple lites. Specifically engineered splice plate assemblies or spider fittings can join the mainplates to the fins. The resulting system is one that yields maximum visibility, a sense of openness, and a modern flair.

Vitro America's primary objective is to go beyond the limits of technology in the creation of architectural works of distinction for façade glazing, with an emphasis on aesthetically pleasing and innovative designs.

We also aim to always put the client's needs first through dedicated customer service, demonstrated by our committed sales team and our ability to provide customized design services.

Please contact us directly for more information on how Vitro America can assist you in completing your projects.



- For Use With 3/8" or 1/2" (10 or 12 mm) Tempered Glass
- Spiders for Mounting to Posts, Walls or Fins
- Designed for the 'All-Glass' Look
- New Combination Glass Attachments - Same Cap Mounting Applications - Rigid Head and Swivel Head Style Available
- Made of 316 Alloy Stainless Steel in Two Attractive Finishes: Brushed or Polished



In a Glass Fin Supported System, vertical heavy glass fins are placed at 90 degrees to the glass wall. The Spider Fittings attach to both the fin and the glass wall.