



ZEPPS (Zahner Engineered Profile Panel System) allows architects, artists and designers to create unique building shapes, sculptures and custom canopies. It serves as a structural and/or sculpting system designed to receive your choice of aesthetic metal or other material.

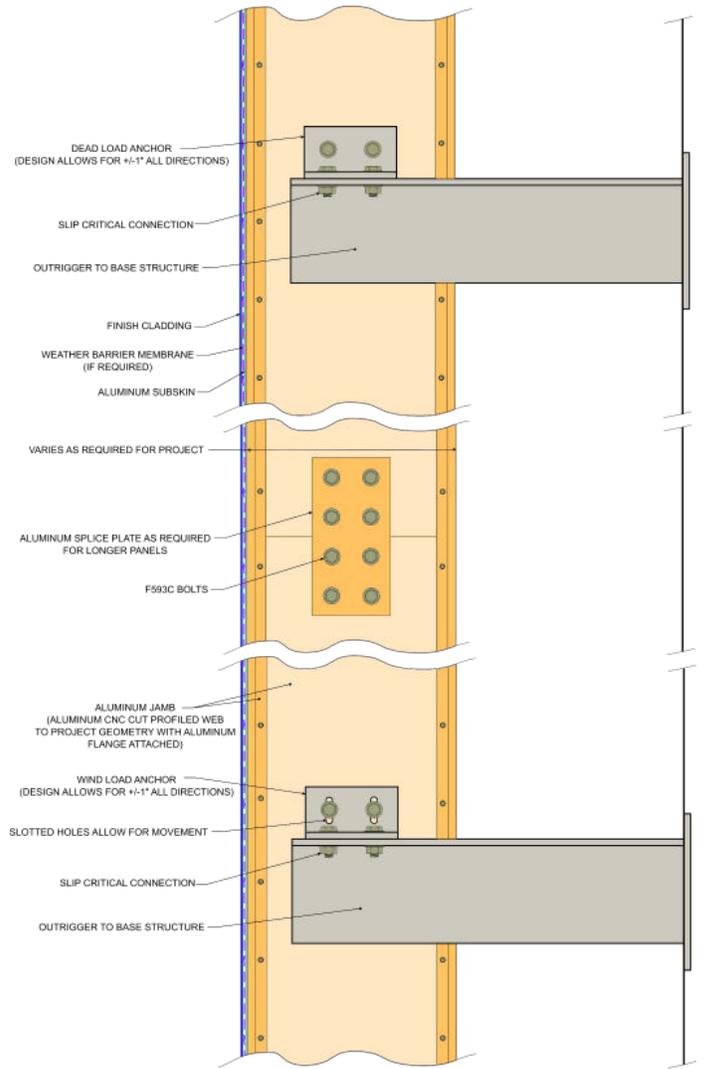
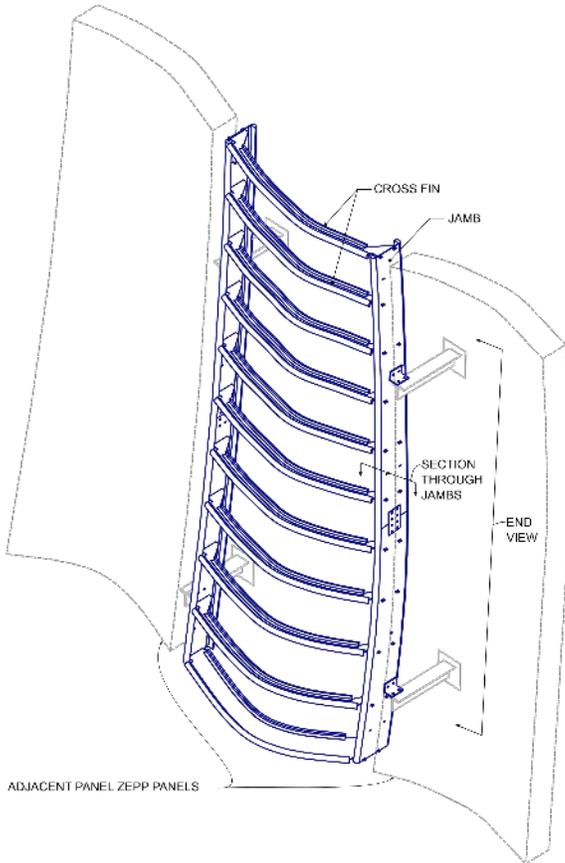
When used in architecture, ZEPPS forms can be developed to contain a complete wall system. This can include the exterior skin, waterproofing membrane, vapor barrier, structure, MEP, insulation, and interior wall substrate. By offering this as a complete system, designers can confidently develop curving architecture without worrying about how other trades will integrate into a unique curvilinear system.

ZEPPS can be delivered as complete sculptures or as components, developed by dividing a digital sculpture or façade model into its largest practical components for shipping and handling. The maximum size is generally 8' wide by 40' long and the system depth is engineered to the design loads of the project. These assemblies typically require only four connections back to building structure or a base, thereby simplifying the requirements of other trades, as well reducing coordination requirements. In some applications the structure steel may be eliminated from the project.

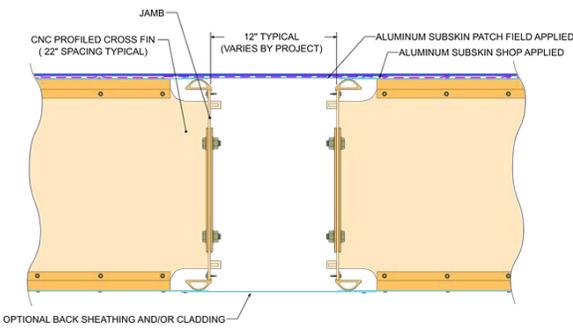
Our automated digital production algorithms design all components, which are CNC cut and assembled in our factory, ensuring accuracy and quality by taking advantage of our specialized in-house assembly and QC platforms.

In addition, Zahner has developed a unique “knock-down” ZEPPS that can be shipped as parts. These parts can be assembled closer to the construction site by either Zahner’s crew or yours, requiring only basic tools. The knock-down ZEPPS may reduce overall cost in certain applications by saving on shipping costs.

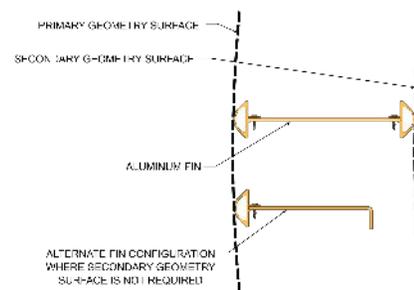
- Custom Prefab: All parts are prefabricated as shippable assemblies up to 40' long
- Rapid Installation: Each ZEPPS assembly can be installed in 30 minutes in the field
- Minimal Connections: Assemblies require only a few connections to the structure
- Parametrically Derived: Zahner engineers can work from the designer’s 3D model in any file format, as well as from a digitally scanned physical model
- Any Material: Any surface material can be applied to create the finish surface, various thin metal skins, terra cotta, slumped glass, acrylic and fiberglass
- Any Form: Complex curves, non-euclidean geometries, fractured surface geometries
- Reduced Structure: ZEPPS provides a secondary structural pre-engineered framing panel system
- Reduced Schedule: Using ZEPPS to develop a curved building form versus stick-building will typically reduce a project by three months



End View



Section Through Jambs Of Two Adjacent Panels



Typical Cross Fin