



**Chamberlain Group Headquarters**  
Oak Brook, IL



[CLICK TO VIEW PROJECT GALLERY](#)

### How to Streamline Delivery of a 3-Dimensionally Curved Exterior Wall

Increasingly, master architects are leveraging expert partners during preconstruction design phases to help develop constructable solutions for geometrically complex designs.

Early incorporation of cold-formed steel framing methods and preliminary engineering for this type of construction digitally validates the solution and provides two key benefits. Onboarding key team members, like Construction Managers and General Contractors, is more efficient, and contractor bids are more accurate because the unique CFS framing has been defined.

“At the start, it would benefit projects with geometric complexity, like the 3-dimensionally curved feature wall, to invite Radius Track Corporation to the table during the design phase to streamline the light-gauge framing from the beginning,” said Anning Johnson Sr. Project Manager Gary Kwak.

During construction, the truss concept provided a light-weight structural solution fabricated from commodity CFS profiles that made it cost effective. Anning Johnson's Gary Kwak said, “the trusses were easy to install and provided our team the ability to make adjustments to compensate for discrepancies in the concrete structure when needed, meet the end schedule and deliver the design intent the architect wanted.”



#### Project Team

Architect: [SmithGroup](#)  
General Contractor: [Pepper Construction Company](#)  
Framing & Carpentry Contractor: [Anning-Johnson Company](#)  
Sub-System Design & Fabrication: [Radius Track Corporation](#)

#### Photos

Construction: Anning-Johnson  
3D Model: Radius Track Corporation  
Finished: Dave Burk Photography

#### Bridge the gap from complexity to constructability.

Radius Track Corporation collaborates with your team to design, engineer and fabricate sub-systems for curved and complex surfaces. We develop fully-engineered solutions that anticipate and resolve issues on roofs, walls, ceilings and façades.

Our expertise focuses on the elements between the structure and the skin. We design sub-framing to set the surface geometry and receive your choice of finish material. Our advanced 3D modeling and system integration assimilates trade partners' constraints and as-built conditions. Each trade partner receives installation guidelines to ensure accurate, clash-free installation.

We collaborate with pre-construction teams to define the sub-system from the start. For issues identified post-award, we collaborate to review the reality of an existing design and develop a value-driven, constructable solution to deliver the design intent.

#### RADIUS TRACK DESIGN SERVICES

Standard processes don't apply  
to complex surfaces.

#### CONTACT US

for a complimentary consultation  
with our Design Team.