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THE ART AND SCIENCE OF SIMPLIFYING THE CURVE

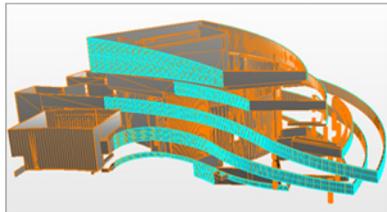
Expansive Curved Soffits Soar: Framing Design, Fabrication & Coordination



Project: Hancher Auditorium, University of Iowa | Iowa City, IA



Radius Track Curved Structural Framing



Project Team:

Design Architect: [Pelli Clarke Pelli](#)

Record Architect: [OPN Architects](#)

General Contractor: [Mortenson Construction](#)

Framing Contractor: [Pearson Wall Systems](#)

Distributor: [Foundation Building Materials](#)

Curved Framing: [Radius Track Corporation](#)

The [Hancher Auditorium](#) exterior envelope features curved metal clad bands and expansive soffits – up to 80-feet deep! Precision fabricating the 14,980 lineal feet of curved framing was not the only significant contribution Radius Track Corporation (RTC) made to the project. Equally important was coordinating the framing to accommodate skylights, lighting and storefronts in and adjacent to the organically shaped soffits.

Radius Track integrated several digital design platforms from multiple disciplines to coordinate the framing design. The RTC team coordinated the architectural Revit model, structural Revit model, exterior cladding drawings and the Reflected Ceiling Plans with the Radius Track 3D model to coordinate the locations of lighting, access panels, relevant HVAC, and storefront items. This allowed RTC Design Technologists to develop general spacing requirements for the sub-framing and resolve clashes in the shop drawing phase.

To simplify installation, “our team developed a framing strategy to work from the outside finished skin back to the superstructure. In doing so, we could effectively coordinate all interfaces of each metal band and corresponding soffit,” said Jeff Montague, Sr. Design Technologist, Radius Track.

“Pearson Wall Systems did a great job framing the project, we appreciate the confidence they placed in us to help them deliver this work,” said Skip Austin, Radius Track Senior Account Manager.

Bridge the gap from complexity to constructability.

Radius Track is the subject matter expert in designing, engineering and fabricating framing solutions for curved and complex surfaces. Our Design Assist + Precision Fabrication process ensures the accurate translation of your ideas – from design through material delivery.

We are passionate about serving our customers well. Our vast experience with curved and complex surfaces assures that we anticipate potential fabrication and construction issues before they place a project at risk. And we support the project to the finish by delivering concise installation instructions and, most importantly, staying with you until the job is done.

RADIUS TRACK DESIGN ASSIST

The initial phase of our Design Assist engagement is always free-of-charge.

[Schedule](#) a complimentary consultation.

CONTACT US

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