



Nelson Truss, Inc. of Edgerton, WI supplied the roof trusses and I-joists for a 5000 sq. ft. custom home located west of Milwaukee. These intricate intersecting radius trusses resulted from the customer's desire for a dramatic ceiling design.

"They consulted with us and the architect," said general manager Steve Johnson. "After a number of attempts, our technician was able to make it all work." Truss technician Trenton Houfe had never designed a barrel or radius truss before.



One of the biggest challenges was due to the truss spans: one had a 20' radius and the other exceeded 14'. The radius trusses were constructed in 18" segments. Houfe said, "We spent a while figuring out how tight we wanted to make the radius, because the tighter we could make it, the less field framing there would be." This saved the builder a ton of time, labor and money, he noted. In the end, both Nelson and Houfe enjoyed the challenge and got a thumbs up from the builder. "We got a lot of compliments on it. The trusses went together really well on site," Johnson said. SBC



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