



The trusses for this large custom lake home in central Minnesota are from WTCA member Littfin Lumber Co. Truss technicians Loren Gohmann and Jason Vanderpool designed the components, putting their creative design skills to the test on a total of six roof areas that showcased radius trusses. With the exception of one small flat ceiling plane, the remainder of the home is made up of parallel chord vaults and parallel chord compound vaults tying into flat girders at the ridge lines. Littfin also designed and supplied the second floor truss system and the main floor I-joist system, including a large amount of laminated beams.



Gohmann said, "We had limited bearing points to work with, which required us to be very creative with cantilever bearings on the laminated beams and girder trusses." Despite the complex design, after the trusses were delivered to the jobsite, the rest was smooth sailing according to Gohmann. "Usually the framing contractor calls from the jobsite with a question or two while they are setting the trusses," Gohmann commented. "We went up a week after the jobsite delivery to see how things were going, but they were almost done setting the trusses! Everything went together great." **SBC**

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