



Daniel Snell, truss technician at Niagara Truss & Pallet in Lockport, NY submitted these shots of a 16-sided single-family home located in Basom, NY. Snell designed the roof trusses for the project

Each of the 16 roof planes are sloped identically. A single girder truss spans the diameter of the home and ties into a steel pole set in the center of the "roundhouse." Snell said the home owners wanted a very distinct vault inside the home (as well as outside). So eight planes on one side of the girder have interior vaults parallel to the roof planes.

The ceiling plane on the opposite side of the girder is flat. Each wall in the roundhouse measures 8'7", with the exception of two shorter walls that lead to a breezeway connecting the house to the garage. "My boss calls [the house] the Starship Enterprise," he laughed

"[The design] took a lot of preliminary work with the architect and framer," Snell said, noting that his company has strong relationships with local architectural firms. "They look to us to solve design challenges like this." SBC

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