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A renowned children's museum in St. Louis is enjoying its new digs thanks to cold-formed steel roof trusses supplied by Engineered Steel Products of Wright City, MO. The Magic House has been a popular Midwest museum since 1979. Having outgrown its space, it launched a \$15 million expansion to double its size. ESP General Manager Ed Spal said the design team worked with the architect and EOR early on to make CFS trusses work as the product of choice. "The main body of the building required 48" on center scissors trusses with extremely steep pitches on the top and bottom chords. We had to build the trusses in halves." Spal said the design team came up with a field connection so that the installation contractor, T.J Wies Contracting, could assemble the two halves and crane them into place. In addition, ESP designed and fabricated trusses for the 20' diameter by 22' tall "hat" that framed a conical stair tower.





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