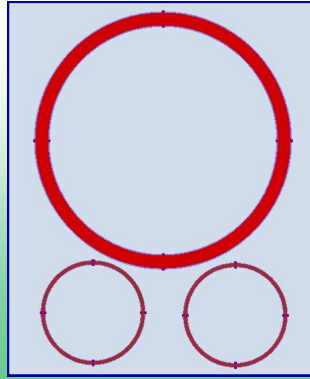


ShapeBuilder Success Story

The Project

Redesign of a pre-engineered steel building

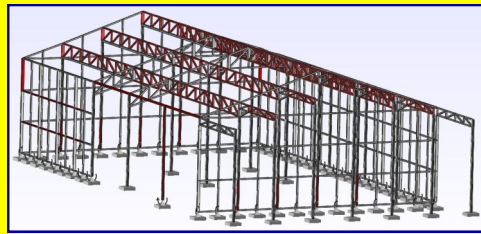


The Engineer

Larry Salhaney, PE
Yuba City, CA

The Problem

Local building authorities refused to permit a pre-engineered, steel building due to snow load requirements, after the building had already been purchased.



The Solution

The existing design used truss and panel members consisting of thin walled tubing. ShapeBuilder made it easy to create and use custom sections for the truss design to accommodate additional loading. Using VisualAnalysis I redesigned the columns and footings, where independent footings were incorporated into a slab configuration. The 3-D model of the entire structure simplified submittals to the building authority by allowing cut sections to be printed so the agency's engineer could quickly review. The model allowed me to spend a minimal amount of time on the project saving the client and the building manufacturer time and money by preventing a legal dispute and providing a superior product in the end.



Solve your next problem in minutes!

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