



Structural Engineering Project

FRANKLIN AND MAGNOLIA DEVELOPMENT **Multi-Use Project**



PROJECT DESCRIPTION:

- ◆ This project is a multi story structure with an all glass greenhouse area over the garage. The main floor is designed to be used as a restaurant and the upper floor for residential and/or office space.
- ◆ This project makes use of glued laminated (glu-lam) timber trusses with timber framed walls. The garage is constructed out of specially reinforced masonry. The foundation is cast in place concrete. This project required innovative engineering to maintain the complex aesthetic look the client desired.
- ◆ This project was designed using the latest technology in BIM/3D modeling using Revit software to coordinate the structural, mechanical, electrical and architectural systems to produce the final construction documents.
- ◆ This project required the design of all forms of common construction materials from the use of glu-lam trusses at the main building roof area to steel roof beams at the garage and specially reinforced masonry walls with concrete foundations.



Matthew Roblez, SE, SECB
Email: matt@mcneileng.com
801-255-7700 x. 128



Brian Warner, SE, LEED AP
Email: brian@mcneileng.com
801-255-7700 x. 111