

STAYBRIDGE SUITES SPRINGFIELD, ILLINOIS



CHALLENGES

Staybridge Suites typically uses a prototype floor plan and a similar exterior elevation throughout the country. However, the snow, seismic and wind loadings vary due to building locations and local building code requirements.

A local architect asked HLR to provide structural engineering services to review prototype plans for structural adequacy and make the necessary adjustments to the drawings in order to be in compliance model code requirements along with the local ordinances.

RESULTS

The project was completed on time and ready for occupancy in the Summer of 2002.

SOLUTION

HLR served as the structural engineering firm designing the three story timber building facility, working directly for the Architect.

This facility includes 82 studios, one-bed suites and two bed suites. The complex is configured in a “C” shape to accommodate a pool area located in the center.

HLR also provided periodic site visits to consult with the Architect and Contractor on field related questions and construction issues.

Project highlights:

- Prototype floor plans.
- Differing applied loading based upon site location.
- Code compliance design based upon individual site selection.

