



RESIDENTIAL DESIGN

Single Family Housing – New and Remodeling

J.V. Henik is involved in many types of structural engineering services for residential / single family buildings.

These services include but are not limited to the following:

- *Structural engineering for new residence and residence being remodeled.*
- *Investigations for structural distress including settlements and cracking.*
- *Investigations caused by fires or explosions in the residence.*
- *Development of structural repair documents.*
- *Preliminary schematic designs for constructability and pricing.*
- *Investigations during the construction phase to address construction errors.*

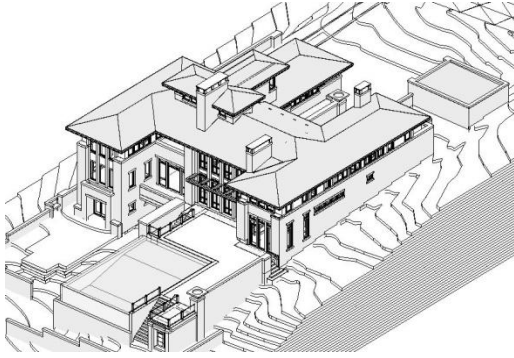
With the trend for larger and more unique residential designs, more open space and expansive windows, structural engineering becomes a primary service to make sure structural stability is maintained



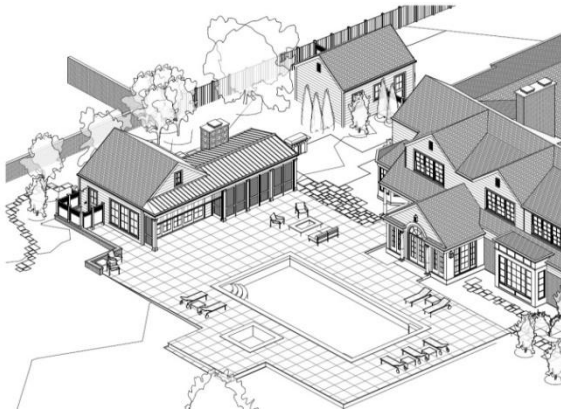
Sheridan Road in Winnetka, IL – Structural reframing for changes to interior floor plan



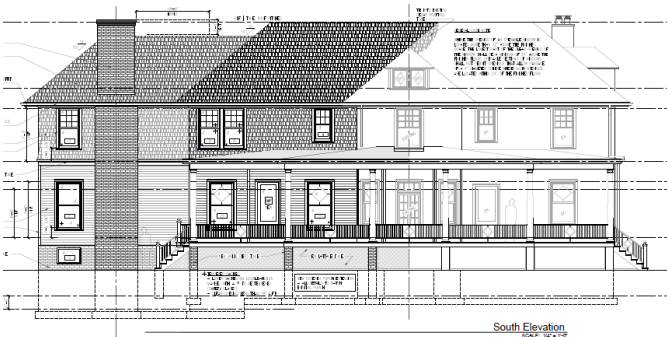
East Scranton in Lake Bluff, IL – Structural engineering for recently completed residence.



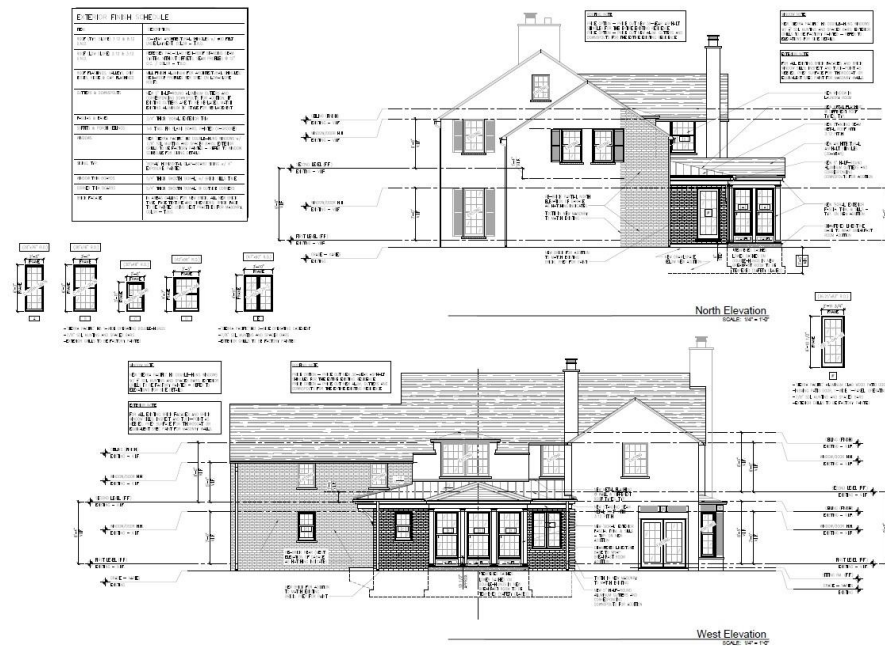
West Oak Ave. Ingleside, IL – Structural engineering for new 20,000 sf residence



Elm Tree Road – Lake Forest, IL
– Structural engineering for residential addition and remodel –
- Including new pool house and salt water pool with below-grade pumping station.



East Illinois Rd. – Lake Forest, IL – Structural engineering for residential addition and reframing of floor layout–



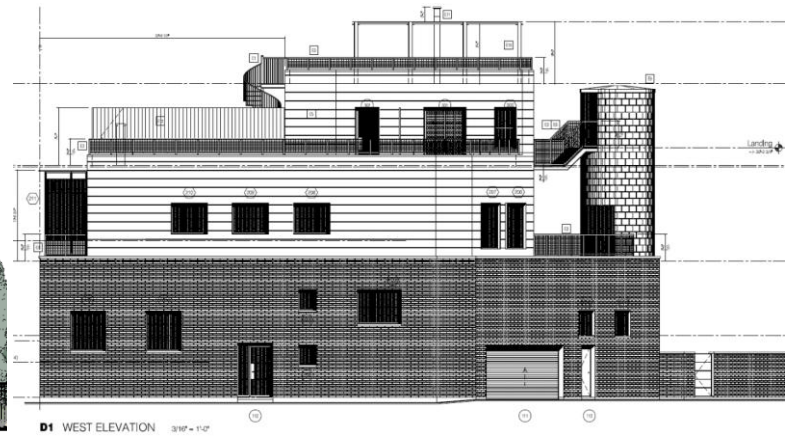
Glencoe Residential Addition – Structural addition and reframing of interior spaces.



Wilmette, IL – Structural engineering for new residential construction. Architectural rendering on the left above and completed residence on the right above.



Above Left - North Orchard St. – Chicago – Structural engineering for new residential construction and includes 23,000 four story residence with below grade indoor basketball court and pool.



Above Right - George St. Chicago - 2 story residence with additional level, remodeling and roof decks - Approximately 8,000 square feet of renovations and additions.



Left - Ravine Road, Winnetka, IL – Structural engineering for new 2 story residence 6,000 square foot remodel and additions.



Mohawk Avenue Chicago, IL – Structural engineering for new 1 story addition with basement shown above. Two story bearing wall required the design of a shoring system to remove a bearing wall and create a new open space.



Above Left - **North North Park Avenue – Chicago** – Structural family residence with basement. Approximately 15,000 sq. ft



Above Right – **Dayton St. - Chicago, IL**



Above Left - **North Racine, Chicago, IL**

Far Right - **North Freemont, Chicago, IL**

