

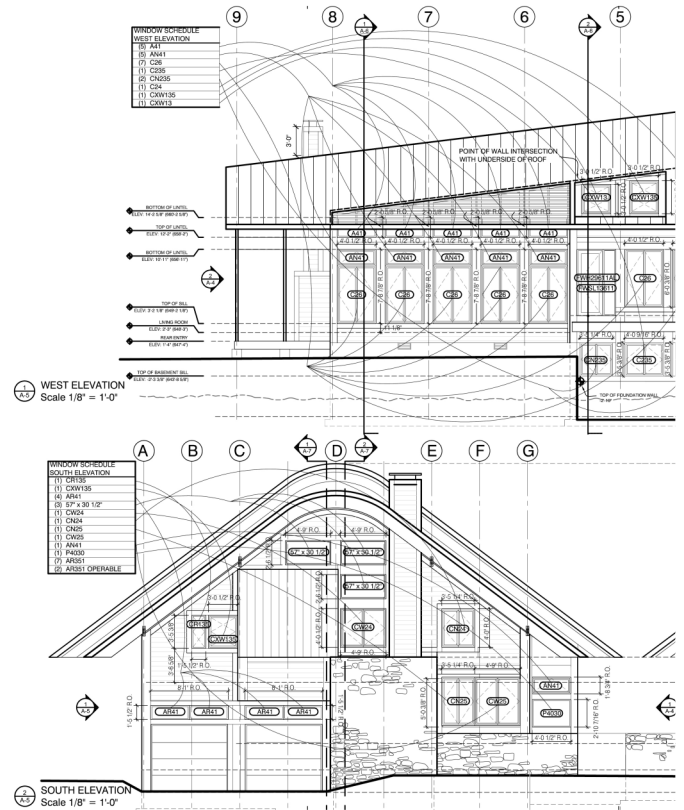
Our firm's main purpose is to produce for our clients a high level of design quality combined with careful attention to their budgets and intended completion dates. We also believe in designing a facility that operates efficiently and economically and that works within the natural environment.

## Design & Construction Challenges

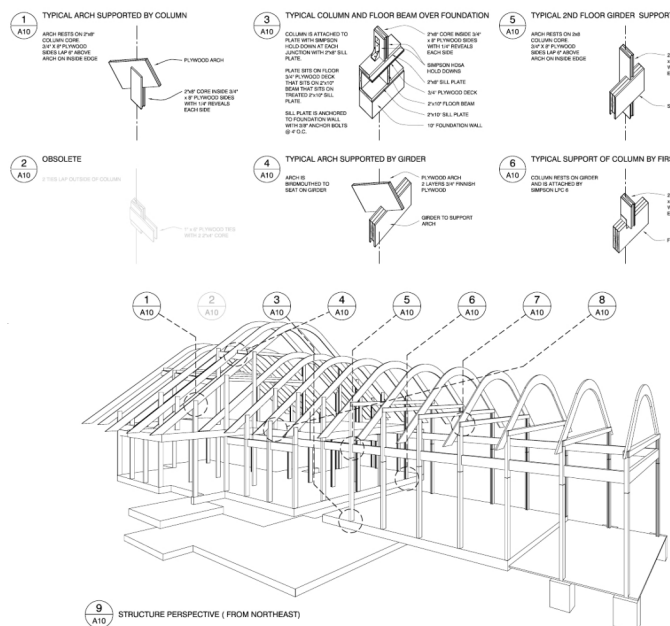
- Adaptability to diverse climates and weather related conditions.
- Ability to design standard "click-fastening" systems for diverse panel designs and combinations.
- Flexible gasketing and join designs to meet weather/seismic problems.
- Durable materials to meet orientation and radiation differences.
- Any or all on-site and climate zone challenges including urban and congestion problems.

## Objectives

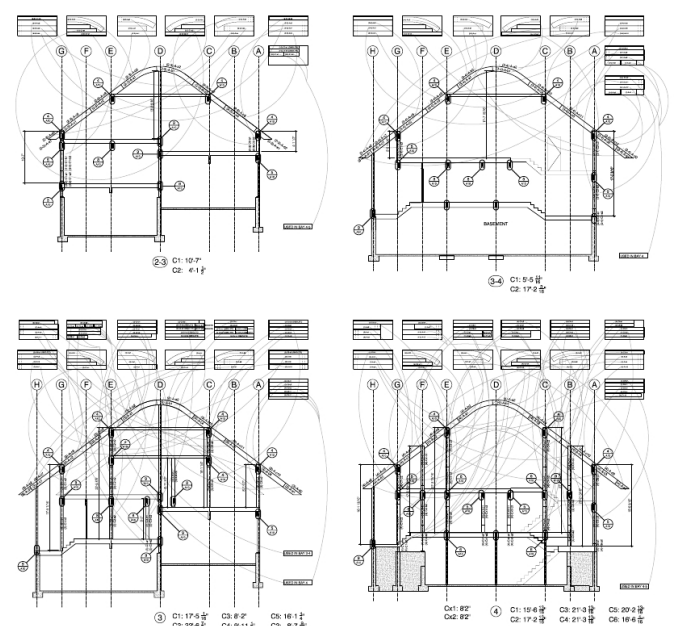
- To invent a structural and cladding system for buildings using CNC technology and BIM systems.
- Low-cost fast track prefab construction using lightweight plywood stressed skin construction.
- Job-engineered structure to permit architect-builder to control job construction to deliver a carefully engineered product.
- The houses are constructed of parts made in the shop, put together in the field rapidly and efficiently with predrilled fastener holes.
- Foamed insulation sealing the inner skin, requiring no roof ventilation and delivering real insulation values of 7.5 R per inch.
- Little waste since parts are shop fabricated or preordered in exact lengths.
- Houses are lightweight, using less material, yet engineered to withstand dead, wind, and seismic stresses.
- Tight well-engineered construction will use modern low-energy heating and cooling systems, passive systems, and low energy heat transfer to exhaust stale air and bring in fresh air.



EXTERIORS INDICATE LOCATIONS OF WINDOWS



ASSEMBLY JOINTS KEYED TO AXON



STRUCTURAL PIECES KEYED TO SECTIONS