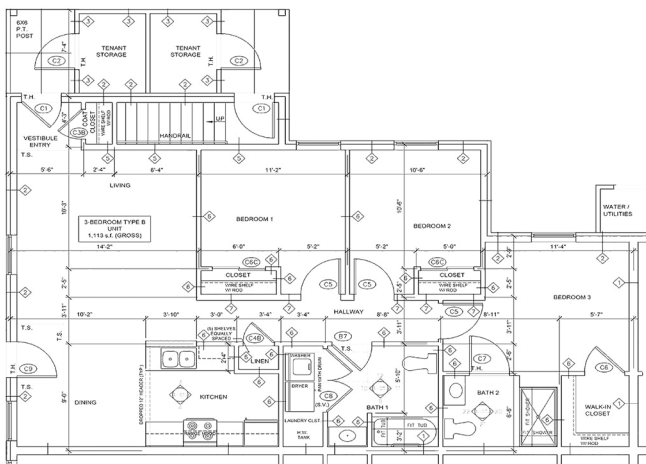




Owner: Baldwin Real Estate Development Corp | Location: Canandaigua, NY | Completion Date: 2019
Programs Achieved: Energy Star, Passive House, NYSERDA Low Rise

CreekView Apartments Phase II is the continuation of a high-performance passive house community in Canandaigua. Building up on the efforts of the PHIUS+ 2015 Phase I, CreekView Phase II will reach to Net-Zero energy, continuing to drive the cost effectiveness of high-performance building. Phase II consists of 96 apartments in 12 buildings which will be Net-Zero, with triple pane windows, energy recovery ventilation, highly insulated slab; walls; and roof, as well as solar PV. The buildings will use all electric systems including ground source heat pumps tied to VRF systems for heating, cooling, plus a ground source water to water heat pump for hot water heating with roof mounted solar PV to offset the use of the buildings.

Three Bedroom, First Floor



Technical Details

| | |
|---------------------|---|
| Walls | R-37 Total: 2x6 wood studs with R-21 batt, exterior XCI Hunter Panels R-19.1 continuous polyiso insulation, vinyl siding |
| Windows | Kohltech Supreme triple-pane operable casement window over fixed window, Whole window U-0.15, 0.33 SHGC |
| Air Barrier | Prosoco FastFlash and Joint & Seam Filler |
| Roof | R-60 - R-80 blown in cellulose insulation depending on building type |
| Slab | 3" Foam Control Plus insulation beneath entire slab, foundation wall insulated as well as 2" slab edge thermal break |
| Heating/ Cooling | Geothermal loop per building serving Samsung VRF based Ground Source Heat Pumps, internal distribution through slim duct system |
| Ventilation | Central Energy Recover Ventilation Systems |
| Hot Water | Ground Source Heat Pump Water-to-Water Heat Pump per building |
| Solar Electric | Roof mounted PV estimated at 30 kW, 40kW, 48kW, systems for the 1,2,3 bedroom buildings respectively |



**Buildings of
Excellence** Stage: Early Design
Award: \$1,000,000