

Builder Interview and Notes

Many items required for a complete energy simulation are not normally found on building plans. This information can sometimes be obtained from the builder or their contractor. If information is not provided, assume a worst case scenario. Use these notes to complete the inputs in your simulation file. All other details are specified via the plans.

Note: the provided building plans have been altered to include Energy Gauge label IDs (highlighted in yellow). Use of these IDs in the simulation file will simplify test grading although alternate entry methods that are done correctly are acceptable. We also recommend the use of a single conditioned space in the simulation file with the default name "Main" rather than multiple spaces.

- Please list your full name in "Rater Name" field for proper test grading identification
- Please also use default name "Main" on the Spaces tab
- Location shall be Daytona Beach, Florida
- Wood wall framing (16" O.C.) and roof trusses (24" O.C.) with standard framing fractions
- On-grade cement slab shall be uninsulated (R-0)
- Ceramic tile in all living areas except bedrooms to be carpet (60% tile / 40% carpet)
- Roof cladding shall be medium color fiberglass shingles (not tested for solar absorptance)
- Ceiling knee walls shall be insulated with R-19 batts
- Wall cladding shall be medium-dark color with solar absorptance = 0.75
- Specify insulation grade of all assemblies as "Not Inspected"
- Exterior door type shall be insulated (U-value = 0.40)
- Windows shall meet NFRC ratings 0.25 SHGC and 0.33 U-value (Low-E double-pane, vinyl frame)
- Window separation shall equal 12 inches from top of frame to bottom of roof eave
- Proposed ACH50 = 5.0
- All supply ducts to be located in attic with a single central return via louvered utility room door
- Proposed $Q_n(\text{out}) = 0.05$, proposed $Q_n(\text{total}) = 0.1$
- ERV shall provide balanced flow meeting ASHRAE 62.2-2013 (supply = exhaust)
- ERV total energy shall equal 1 Watt/(balanced cfm) where "balanced cfm" equals either supply cfm or exhaust cfm
- Assume longest hot water pipe length of 60 feet
- Builder to provide new dishwasher, range and refrigerator. Assume standard, not EnergyStar.
- Clothes washer and dryer not provided
- Builder to provide LED lighting for all hard wired fixtures
- Assume standard ceiling fans