

| # | Key Item | Check | Questions to Ask |
|----|----------------------------------|-------------------------------|---|
| 1 | DESIGN TEMPERATURES | ✓ Indoor Design Temperatures | Is the indoor design temperature for <i>Heating</i> : per Local Code OR 70°F (21°C) at 30% RH? Is the indoor design temperature for <i>Cooling</i> : per Local Code OR 75°F (24°C) at 50% RH? [or 55% for humid climate, 45% for dry climate?] |
| | | ✓ Outdoor Design Temperatures | Is the outdoor design temperature per Table 1 of MJ8 or Local Code? |
| 2 | WINDOWS & GLASS DOORS | ✓ U-values and SHGC values | Are the SHGC and U-values reasonable for the window types and frame constructions? (see Table 2 of MJ8) |
| | | ✓ Shading Adjustments | Have window shading (curtains, drapes, insect screens, tinting, etc.) adjustments been made? |
| | | ✓ Overhang Adjustments | Have roof overhand adjustments been made? |
| | | ✓ Total Area | Is the total area for the windows & glass doors roughly equal to the area shown on the drawing plan? |
| | | ✓ Exposure Directions | Do the exposure directions [North (N), North-East (NE), etc.] appear correct? |
| 3 | SKYLIGHTS | ✓ U-values and SHGC values | Are the SHGC and U-values appropriate for the skylight types and frame constructions? (see Table 2 of MJ8) |
| | | ✓ Shading Adjustments | Have adjustments been made for drapes, tinting, and reflective coatings? |
| | | ✓ Total Area | Is the total area for the skylight roughly equal to the area shown on the drawing plan? |
| | | ✓ Exposure Directions | Do the exposure directions [North (N), North-East (NE), etc.] appear correct? |
| 4 | DOORS WOOD, METAL | ✓ None | ----- |
| 5 | WALLS ABOVE GRADE, BELOW GRADE | ✓ Insulation | Are correct wall insulation R-values taken into account when the wall loads are calculated? |
| | | ✓ Total Area | Is the total area for the walls equal to the area shown on the drawing plan? |
| 6 | CEILINGS | ✓ Insulation | Is correct ceiling insulation R-value taken into account when the ceiling load is calculated? |
| | | ✓ Radiant Barrier | If applicable, does the load calculation take credit for a radiant barrier? |
| | | ✓ Roof color and material | Is correct roof color and material taken into account when the ceiling load is calculated? |
| | | ✓ Total Area | Is the total area for the ceilings equal to the area shown on the drawing plans? |
| 7 | FLOORS | ✓ Insulation | Is the floor insulation and type of contrustion representative of what is built/planned? |
| 8 | INFILTRATION | ✓ Envelope Tightness | Is the listed envelope tightness (tight, semi-tight, average, semi-loose, loose) appropriate? |
| | | ✓ Above grade volume | Is the total above grade volume equal to what is shown on the drawing plans? |
| 9 | INTERNAL GAINS | ✓ Appliances | Are the appliance gains 1200 Btuh, 2400 Btuh or a value recommended by MJ8? |
| | | ✓ Occupants | Is Maximum Number of Occupants = Number of Bedrooms +1? |
| | | | · Is Btuh (sensible) = 230 x Number of Occupants? · Is Btuh (latent) = 200 x Number of Occupants? |
| 10 | DUCTS | ✓ Duct Location | If located in an unconditioned space, are the ducts insulated (appropriate R-value)? |
| | | ✓ Duct Tightness | Is the duct tightness category 'average sealed' or higher (i.e. notably sealed, extremely sealed)? |
| 11 | VENTILATION | ✓ Intermittent Fans | Are intermittent bathroom and kitchen fans excluded from the infiltration calculations? |
| | | ✓ Continuous Exhaust Fans | Are dedicated exhaust fans (continuous) included in the calculations? |
| | | ✓ Heat Recovery Equipment | Are the heat recovery equipment and/or a ventilating dehumidifier included in the calculations (if applicable)? |