Southern Nevada Building Officials

2003 International Energy Conservation Code
Plan Submittal Requirements

Residential Requirements:

1. Prescriptive Method:
   - Use the prescriptive values in the SNBO Residential IECC Handout. This method is limited to a maximum 15% glazing-to-wall ratio.
   - Provide window to gross wall area calculations.

2. Software Design Method:
   - Must use one of the following Software Tools:
     1. REScheck™: http://www.energycodes.gov/
     3. Rem/Rate™: http://www.archenergy.com/products/rem/
   - Submit the software-generated input/output data and the Compliance Report.
   - The Compliance Report must be signed & sealed by the appropriate design professional in responsible charge.
   - Duct pressure testing will require Special Inspection; see Chapter 17 of the International Building Code.
   - Provide the energy summary information or a copy of the Compliance Report on the Code Analysis sheet of the building plans.
   - Reflect all energy requirements on the construction detail sheets, cross-sections, mechanical sheets, plumbing sheets, and electrical sheets, as applicable.
   - HVAC load calculations are NOT required to be submitted.

Commercial Requirements:

Commercial Buildings must meet the requirements of Chapter 8 of the International Energy Conservation Code (IECC) or ASHRAE/IESNA 90.1.

1. Prescriptive Method:
   - IECC Sections 802, 803, 804 & 805 must each be satisfied on an individual basis. If (1) or more of these sections is not satisfied, compliance must be demonstrated in accordance to ASHRAE/IESNA 90.1.
• Provide window to gross wall area calculations.
• Use prescriptive envelope values in the SNBO amended tables, based upon the percentage of glazed openings:

  a) ≤10% - Use Table 802.2(1)
  b) >10% to 25% - Use Table 802.2(2)
  c) >25% to 40% - Use Table 802.2(3)
  d) >40% to 50% - Use Table 802.2(4)
  e) >50% - Use ASHRAE/IESNA 90.1

• Use Section 803 of IECC for mechanical system requirements and show all information on the mechanical plans.
• Use Section 804 for service water heating requirements and show all information on the plumbing plans.
• Use Section 805 for electrical power and lighting system requirements and show all information on the electrical plans.

2. Software Design Method:

• May use COMcheck™ software (http://www.energycodes.gov/). This software must be used for all building elements; i.e. Envelope, mechanical, plumbing and electrical.
• Submit the software-generated input/output data and the Compliance Report. The individual element components may be signed & sealed by the design professional responsible for that particular element.
• The Compliance Report must be signed & sealed by the design professional in responsible charge of the entire building design.
• Provide the energy summary information or a copy of the Compliance Report on the Code Analysis sheet of the building plans.
• Show all energy compliance information on the applicable architectural, mechanical, plumbing and electrical plan sheets.
• HVAC load calculations are NOT required to be submitted.

**Commercial Shell Buildings:**

• Same as above (as applicable)
• Shell building must have complete envelope compliance with the code.
Tenant Improvements/Remodeling:

- If the exterior envelope is not altered, only electrical, mechanical and plumbing shall comply, as determined by the scope of work.
- If the exterior envelope is altered, only the elements replaced must comply.
- Vestibules will be required for all initial (new) tenant improvements. For remodeling of existing tenant spaces or for any change in occupancy only, please consult with your local jurisdiction.