

## CHAPTER 3

# DESIGN CONDITIONS

### SECTION 301 DESIGN CONDITIONS

**301.1 Interior design conditions.** The interior design temperatures used for heating and cooling load calculations shall be a maximum of 72°F (22°C) for heating and minimum of 75°F (24°C) for cooling.

**301.2 Climactic data.**

- Heating Design Temperature: -11°F  
(ASHRAE/IESNA 90.1-2004 Table D-1, 99.6%)
- Cooling Design Temperature Dry-Bulb: 84°F  
(ASHRAE/IESNA 90.1-2004 Table D-1, 1%)
- Cooling Design Temperature Wet-Bulb: 69°F  
(ASHRAE/IESNA 90.1-2004 Table D-1, 1%)
- Heating Degree Days: 7771  
(ASHRAE/IESNA 90.1-2004 Table D-1) 65° base
- Cooling Degree Days: 2228  
(ASHRAE/IESNA 90.1-2004 Table D-1) 50° base

Adjustments may be made to reflect local design conditions which may differ from ASHRAE/IESNA 90.1-2004 Table D-1 climactic data, or local weather experience determined by the building official.

