

# Design Criteria

## COMMERCIAL BUILDINGS

- GENERAL DESIGN REQUIREMENTS : SECTION 1604
- WIND LOAD : Table 1604.5 and Section 1609
- ROOF LIVE LOAD : REF. IBC TABLE 1607.1
- SNOW LOAD : Section 1608, ASCE 7
- SEISMIC LOADS : IBC 1613
- FROST LINE : 12 INCHES
- SOIL TERMITE : PROTECTION IS REQUIRED
- THIS AREA IS SUBJECT TO DECAY AND WEATHERING : SEVERE
- SEISMIC DESIGN CATEGORY : C
- WIND SPEED : 115 MPH

## RESIDENTIAL BUILDINGS

- REFERENCE : IRC R-301.2(1)
- SEISMIC DESIGN CATEGORY : C
- ROOF LIVE LOAD : Table R301.6
- GROUND SNOW LOAD : 10 LBS. PSF Figure R301.2(6)
- WIND SPEED : 115 MPH Figure R301.2(5) A
- TOPOGRAPHIC EFFECTS : No
- FROST LINE DEPTH : 12 INCHES
- WINTER DESIGN TEMP : 15 deg.
- ICE BARRIER UNDERLAYMENT : REQUIRED NO
- AIR FREEZING INDEX : 1500 OR LESS
- TERMITE PROTECTION REQUIRED : YES
- THIS AREA IS SUBJECT TO DECAY AND WEATHERING : SEVERE