



CITY HALL

400 Ella Street | Beatrice, NE 68310
 Phone: 402.228.5200 Fax: 402.228.2312

ENGINEERING & COMMUNITY DEVELOPMENT

205 North 4th Street | Beatrice, NE 68310
 Phone: 402.228.5250 Fax: 402.228.5252

**City of Beatrice, Nebraska
 2021 IRC Table 301.2(1)**

| Climatic and Geographic Design Criteria | | | | | | | | | | | | | |
|---|-------------|---------------------|-------------------------|-------------------|------------------|-------------------|-------------------------|-----------------------------------|---------------|-----------|--------------------|-----------------------|------------------------------------|
| Ground Snow Load | Wind Design | | Seismic Design Category | Subject to Damage | | | Winter Design Temp (F°) | Ice Barrier Underlayment Required | Flood Hazards | | Air Freezing Index | Mean Annual Temp (F°) | Soil Bearing Capacity (pounds psf) |
| | Speed | Topographic Effects | | Weathering | Frost Line Depth | Termite | | | Elevation | Locations | | | |
| 25 | 90 | N/A | B | Severe | 36" | Moderate to Heavy | -1° | *Yes | ≤ 1261 feet | See Maps | < 1500 | 50°-55° | 1500 |

*Amended Section R905.1.2 Ice barriers. In areas where there has been a history of ice forming along the eaves causing a backup of water as designated in Table R301.2(1), an ice barrier shall be installed for asphalt shingles, metal roof shingles, mineral-surfaced roll roofing, slate and slate-type shingles, wood shingles and wood shakes. The ice barrier shall consist of not fewer than two layers of underlayment cemented together, or a self-adhering polymer-modified bitumen sheet shall be used in place of normal underlayment and extend from the lowest edges of all roof surfaces to a point not less than 36 inches (610 mm) upward towards the roof peak. On roofs with slope equal to or greater than eight (8) units vertical in twelve (12) units horizontal, the ice barrier shall also be applied not less than 36 inches (914 mm) measured along the roof slope from the eave edge of the building.