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### **City of Castle Pines Residential Roofing Requirements**

1. A permit shall be required on any re-roofing project or any roof repair that requires more than 100 square feet of the roof to be replaced
2. Asphalt shingles shall meet the ASTM D-3161, Class A, D, or F Testing installation requirements or ASTM D 7158, Class G or H
3. Drip edge flashing is required on all eaves and rake edges.
4. Fasteners; Roofing nails that extend through the underside of the roof sheathing, or a minimum of  $\frac{3}{4}$ " into the roof decking
5. Inspector shall verify the ASTM testing standards imprinted on the shingle packaging
6. Ice Barrier is not required
7. Valley linings
  - a. Open Valleys—shall be metal at least 24" wide of any corrosion resistant metal
  - b. Open Valleys—2 plys of mineral surfaced roll roofing. Bottom layer shall be 18" wide, top layer shall be 36" wide
  - c. Closed Valleys—lining can be 1 layer of smooth roll roofing and at least 36" wide. A self-adhering polymer modified bitumen underlayment shall be permitted in lieu of the lining material
8. A ladder must be on-site; tied off to the roof for the inspection
9. Mid-roof inspections are only required on flat and tile roofs

The City of Castle Pines Design Criteria;

- 105 MPH, 3-second gust
- Wind Exposure category "B"