

DIVISION 07 – THERMAL AND MOISTURE PROTECTION

07 31 00 SHINGLES AND SHAKES

PART 1 - GENERAL

1.01 DESIGN CRITERIA

- A. Shingles: Fiberglass-reinforced composition shingles; no asbestos content. See specific requirements under Part 2 below.
 - 1. All hip and ridge shingles shall be pre-formed.
 - 2. Wooden shakes are not acceptable for any application.
- B. Roof slope: Minimum allowable roof slope is four-twelve (4:12).
- C. Roof deck: Roof deck shall be of exterior grade plywood, minimum 5/8" thick.
- D. All shingle roofs, design and install a continuous sheet of ice and water shield extending two feet (24") inside the bearing wall.

PART 2 - PRODUCTS

- A. Underlayment: Synthetic felt (InterWrap "Titanium" or equivalent).
- B. Ice and Water Shield: Polyethylene surfaced, self-adhering modified bituminous membrane.
- C. Shingles
 - 1. UL Class A, Type 1 laminated fiberglass seal down shingles; minimum 260 lbs/square; having small granule weathering surface.
 - 2. Color selections require approval by the WSU Project Manager.
- D. Metal Flashing and Valleys:
 - 1. Edge metal at fascia, rake, and transition points shall comply with the requirements of section 07 60 00 "Flashing and Sheet Metal."
 - 2. Valley metal shall comply with the requirements of section 07 60 00 "Flashing and Sheet Metal."

PART 3 - EXECUTION

3.01 INSTALLATION

- A. Use only high wind area nails for fastening shingles to deck. Staples are not acceptable under any circumstances.

END OF SECTION