

DIVISION 07 – THERMAL AND MOISTURE PROTECTION

07 31 00 SHINGLES AND SHAKES

PART 1 - GENERAL

1.01 SYSTEM DESCRIPTION

A. Shingles and Underlayments:

1. Shingles shall be fiberglass reinforced composition, non asbestos, laminated, seal down, Class A, Type 1, minimum weight 260 pounds per square. Verify color selections with the WSU Facilities Services Project Manager.
2. All hip and ridge shingles shall be pre-formed.
3. Underlayment: Synthetic felt is preferred (InterWrap "Titanium" or equivalent).
4. Install ice and water shields along all eaves and valleys.

B. Wooden shakes shall not be considered, designed or specified for any application.

C. Roof slope: minimum allowable roof slope is four-twelve (4:12).

D. Roof deck: roof deck shall be of exterior grade plywood, minimum 5/8" thick.

E. Metal Flashing and Valleys:

1. Edge metal at fascia, rake, and transition points shall be 24 gauge galvanized sheet metal or an equal thickness of aluminum.
2. Valley metal shall be 24 gauge galvanized sheet metal or an equal thickness of aluminum.

F. All shingle roofs shall have a continuous sheet of ice dam or similar product at the eave line.

PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION

3.01 INSTALLATION

- A. Use only nails for fastening shingles to deck. Staples shall not be acceptable under any circumstances.
- B. Always use high wind area nailing.

END OF SECTION