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