

Roof Requirements

Asphalt shingles shall be installed according to the manufacturer recommended listed installation instructions for High Wind areas (130 mph ASTM D7158 Class H shingle) with minimum 6 nails.

All asphalt shingle roof covering underlayment shall be of a synthetic tear resistant (20 lbs. per ASTM D1970 or ASTM D4533) polypropylene, polyester or fiberglass fabric and certified by an approved testing agency or ICC-ES report. The Building Official may approve an equal greater performing product. Roof underlayment shall be installed per Manufacturer's Installation Instructions **but**, shall not be fastened with staples.

Metal panel roofing systems and their attachment shall be installed in accordance with the manufactures installation instructions and shall provide uplift resistance equal to or greater than the design uplift pressure for the roof. The metal panels shall be installed over continuous decking and one of the acceptable secondary water barrier underlayment options.

2X4 or 1X4 wood purlin for attachment of metal roof coverings shall be spaced per manufacturer installation instructions but no greater than 2 foot OC. Wood purlin shall be nailed with a minimum 2 deformed (ring shank) nails penetrating into roof framing 1 ½ inch.

Roof decking shall be nailed in accordance with the engineered drawings but no greater than 4 inches OC both edge and field within the 4 foot roof edge zone and maximum 6 inches OC edge and field all other locations. Decking shall be fastened with minimum 8d full round head ring shank nails. Staples will not be permitted.

Roof decking shall be "sealed". All sheathing seams shall be taped with minimum 4 inch Peel and Stick tape meeting ASTM D1970, or spray polyurethane closed cell foam adhesive (meeting ASTM D1622) shall be applied over all joints between sheathing and along all intersections between roof sheathing and all roof framing members. Other equal or greater methods may be approved by the Building Official.

All aluminum and vinyl Soffit covering shall be attached to minimum 7/16 OSB or plywood or minimum 2 X 2 wood supports equally spaced but not greater than 12 inches OC.

Replacement of roof covering and underlayment of existing One and Two Family dwelling shall require a roofing permit from the City of Fairhope Building Department. All roof coverings and underlayment shall be removed and any roof decking attached with staples or nailing pattern exceeding minimum requirements shall be re-nailed with 8d ring shank to meet requirement. Roof deck shall be "sealed" as described above.

Provide pictures of

- Roof Deck Nail pattern emily.boyett@cofairhope.com or kelley.chastain@cofairhope.com
- Sealed roof deck
- Roofing underlayment

I certify that I have received a copy of this, the City of Fairhope roof requirements, and will comply with those requirements.