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ROOFING/RE-ROOFING INFORMATION SHEET

For re-roofing, not more than (2) layers of shingles may be applied over an existing asphalt roof, if the roof deck is structurally sound and in accordance with the listing or manufacturer's instructions. If re-roofing over (1) existing layer, no underlayment is required. Damaged or deteriorated flashing, valleys, roof vents and mechanical vents must be replaced. At this time, roof ventilation must be brought up to current code.

The minimum attic/roof ventilation requirements are (1) square foot of ventilation for each 300 square feet of roof area. 50% of the required ventilation must be in the upper portion of the roof and 50% located in the soffit portion of the roof.

The entire roof deck must be covered with a minimum 15 lb. roofing felt, with 2 inches, minimum lap horizontally and 4 inches minimum lap vertically. Starter edges must be constructed as indicated in the application information.

Roof valley areas must have a continuous 36-inch underlayment running down the full length of the valley. With slopes of less than 7:12, the valley flashing must be solidly cemented to the underlayment.

Roof valley flashing must be not less than 28 gauge-galvanized steel-corrosion resistant and extend 8 inches from the center line each way. The end lap shall not be less than 4 inches. This applies to asphalt, organic and wood shingles. Wood shake shingles require valley flashing to extend 11 inches from the centerline each way.

Shingles must overhang all rakes and eaves per manufacturer instructions included with package of shingles.

Fiberglass or asphalt shingles are not permitted on roofs with a pitch of less than 2:12. less than 2:12 must be designed as a flat roof.

Wood shingles may not be used on roofs with less than 3:12 pitch.

Wood shakes may not be used on roofs with less than 4:12 pitch.

FIBERGLASS AND ASPHALT SHINGLE

ALWAYS FOLLOW THE MANUFACTURER'S INSTALLATION REQUIREMENTS IN ADDITION TO THE FOLLOWING:

The products used to prevent ice dams are required on all horizontal eaves; this includes garages, gazebos, sheds and porches.

Underlayment Starter Edge:

Pitch of 2:12 to less than 4:12

Two layers of 15 lb. felt solidly cemented together between plies extending from the eave up the roof to a line 24 inches inside the exterior wall line of the building, or an approved self adhering, poly modified, bituminous sheet extending from the eave up the roof to a line 24 inches inside the exterior wall line of the building.

Underlayment Starter Edge:

Pitch of 4:12 and greater

One layer of No: 40 coated roofing or coated glass base sheet extending from the eave up the roof to a line 24 inches inside the exterior wall line of the building, or an approved self adhering, poly modified, bituminous sheet extending from the eave up the roof to a line 24 inches inside the exterior wall line of the building.

Attachment of the Shingles:

Location: Most shingles require nails or staples to be placed 5-5/8 inches from the bottom and 1 inch in from each end. However, check manufacturer's specs for proper location to validate warranty. Corrosion resistant nails, 3/8-inch heads or corrosion resistant staples, minimum 16 gauge with 15/16-inch crown within. Fasteners must be long enough to penetrate into the sheathing 3/4 inch or through the thickness of the sheathing, whichever is less.

Roof Underlayment Ice Protection:

An ice barrier that consists of a self-adhering polymer modified bituminous sheet shall extend from the eaves edge to a point at least 24 inches inside the exterior wall line of all buildings including unheated attached garages and detached accessory structures.

Number of Fasteners:

Four (4) per a 36-inch to 40-inch shingle

Two (2) per a 9-inch to 18 inch-shingle

REQUIRED INSPECTIONS

1. **In progress** inspection – (952) 461-4777.
2. Final inspection when all work is complete.