



2019 CALIFORNIA RESIDENTIAL CODE (CRC) ASPHALT SHINGLE RE-ROOF INFORMATION

When is a permit required?

- A re-roofing permit is required when replacing sheathing or when new sheathing is to be installed on the roof (such as solid sheathing over spaced sheathing). A permit is required when dry rot repairs reach 32 sq. ft. or more of replaced decking, or any alteration or repairs occurs to the rafters, rafter tails or any structural members except a fascia board.
- No more than two (2) layers of roofing are allowed.

What inspections are required?

- Two inspections are required: Roof Sheathing (code104) and Final Inspection (code 900). To schedule, call 951-826-5361

Inspection procedures:

- The contractor or customer must provide an OSHA-approved ladder that is adequately secured to the structure and extends 3 ft. above the roof edge. Post the permit card in a visible location for the inspector.

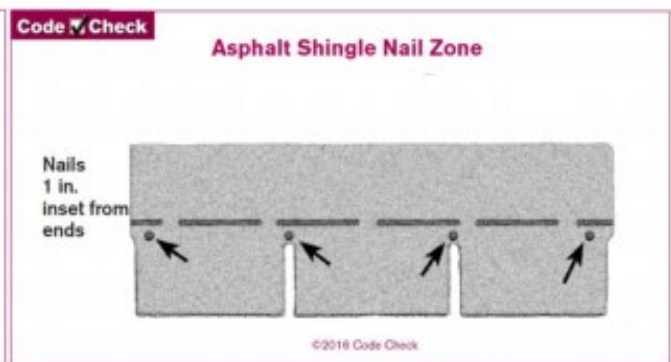
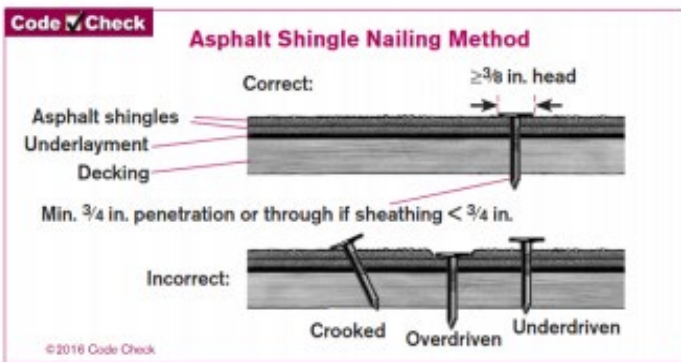
Nailing Inspection:

- 100% of the plywood or OSB must be installed prior to roof sheathing inspection.
Roofing material shall not be applied without first obtaining all required inspections and written approvals from the building inspector. Any roofing material that is applied without first obtaining an approved inspection will require the removal of all new material down to the sheathing so a proper inspection can be performed.
- Leave at least 1/8inch space at all panel edge joints.
- Leave at least 1-inch space around all B vents. Use metal straps to secure the vent and prevent movement. Use flashing appropriately sized for the vent.
- Horizontal edges of plywood over spaced sheathing that do not fall on solid backing (sheathing) must be installed using one of the following three methods:
 - a. H- clips (within 6 inches of each corner and no more than 2 ft. apart) or,
 - b. Support by solid backing such as wood strips placed underneath the plywood or OSB and between the existing skip sheathing or;
 - c. Support by spacing blocks the same thickness as the skip sheathing and placed under the plywood or OSB at each rafter. Plywood or OSB shall have a minimum dimension of one foot (vertical edge) by two feet.

Attach plywood to the roof rafters as shown in the following table **9R602.3(2)**:

Sheathing Thickness	Fastener and Length	Fastener Spacing (inches)	
		Edge	Intermediate
Up to 1/2 in.	Staple 15 ga. 1 1/4 in.	4	8.
	Staple 16 ga. 1 1/4 in. or 0.097 – 0.099 Nail 2 1/4 in.	3	6
19/32 & 5/8 in.	0.113 Nail 2 in.	3	6
	Staple 15 or 16 ga. 1 1/4 in. or 0.097 – 0.099 Nail 2 1/4 in.	4	8
23/32 & 3/4 in.	Staple 14 or 16 ga. 2 in. or 0.097 – 0.099 Nail 2 1/4 in.	4	8
	Staple 15 ga. 1 1/4 in.	3	6
	0.113 Nail 2 1/4 in.	3	6
	Staple 14 or 15 ga. 2 1/4 in. or 0.097 – 0.099 Nail 2 1/4 in.	4	8

Asphalt shingles must be attached with roofing nails (not staples) with a minimum 3/8 in. diameter head and penetrating not less than 3/4 in. into roof sheathing (or through for sheathing



Final Inspection:

- At final inspection: flashings sealed, collars in place, all debris removed, and all exposed new and replacement wood must be painted.
- A spark arrestor is required on all chimneys. **[CRC R1003.9.2]** • Kickout flashings are required where a sloped roof eave intersects a vertical sidewall. **[CRC 903.2.1]**
- For asphalt shingle roofs, a drip edge is required at eaves and gable edges. The drip edge shall extend 1/4 inch below the sheathing and extend back on the roof for a minimum of two inches. The underlayment goes over the drip edge at eaves and under the rake flashing. **[CRC R905.2.8.5]**

