



RE-ROOF B-10

Development Services

Building Division
1635 Faraday Avenue
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www.carlsbadca.gov

A building permit is required to reroof all buildings when:

1. Removal of the existing roof is required by

Chapter 15 in the 2010 California Building Code Sec. 1510.3;

(http://publicecodes.citation.com/st/ca/st/b200v10/st_ca_st_b200v10_15_sec010.htm?bu=CA-P-2010-000008)

And

Chapter 9 in the 2010 California Residential Code, Sec. 907.3

(http://publicecodes.citation.com/st/ca/st/b400v10/st_ca_st_b400v10_9_sec007_par002.htm?bu=CA-P-2010-000008)

When lighter weight roof covering is being replaced with a heavier weight material engineering calculations may be required for the supporting structure.

The attached Supplemental Building Permit Application must be completed in addition to the standard building permit application.

Please note: Combustible roof coverings are prohibited in Carlsbad per the City's adopted Building Code. All roof systems must be a minimum Class A System and the roof covering must be non-combustible.

Required Inspections:

1. Tear Off: This inspection is required for either existing or new sheathing or underlayment prior to installing new roof covering.
2. Final Inspection: When all roof coverings, and flashings are complete.

WOOD

**TABLE 2304.9.1—continued
FASTENING SCHEDULE**

| CONNECTION | FASTENING ^{a, m} | LOCATION |
|---|---|-------------------------|
| 30. Ledger strip | 3 - 16d common (3 1/2" × 0.162") 4 - 3" × 0.131" nails 4 - 3" 14 gage staples | face nail at each joist |
| 31. Wood structural panels and particleboard ^b Subfloor, roof and wall sheathing (to framing) | 1/2" and less 6d ^{c, 1} 2 3/8" × 0.113" nail ⁿ 1 3/4" 16 gage ^o 19/32" to 3/4" 8d ^d or 6d ^e 2 3/8" × 0.113" nail ^p 2" 16 gage ^p 7/8" to 1" 8d ^e 1 1/8" to 1 1/4" 10d ^d or 8d ^e | |
| Single floor (combination subfloor-underlayment to framing) | 3/4" and less 6d ^e 7/8" to 1" 8d ^e 1 1/8" to 1 1/4" 10d ^d or 8d ^e | |
| 32. Panel siding (to framing) | 1/2" or less 6d ^f 5/8" 8d ^f | |
| 33. Fiberboard sheathing ^g | 1/2" No. 11 gage roofing nail ^h 6d common nail (2" × 0.113") No. 16 gage staple ⁱ 25/32" No. 11 gage roofing nail ^h 8d common nail (2 1/2" × 0.131") No. 16 gage staple ⁱ | |
| 34. Interior paneling | 1/4" 4d ^j 3/8" 6d ^k | |

For SI: 1 inch = 25.4 mm.

- a. Common or box nails are permitted to be used except where otherwise stated.
- b. Nails spaced at 6 inches on center at edges, 12 inches at intermediate supports except 6 inches at supports where spans are 48 inches or more. For nailing of wood structural panel and particleboard diaphragms and shear walls, refer to Section 2305. Nails for wall sheathing are permitted to be common, box or casing.
- c. Common or deformed shank (6d - 2" × 0.113"; 8d - 2 1/2" × 0.131"; 10d - 3" × 0.148").
- d. Common (6d - 2" × 0.113"; 8d - 2 1/2" × 0.131"; 10d - 3" × 0.148").
- e. Deformed shank (6d - 2" × 0.113"; 8d - 2 1/2" × 0.131"; 10d - 3" × 0.148").
- f. Corrosion-resistant siding (6d - 1 7/8" × 0.106"; 8d - 2 3/8" × 0.128") or casing (6d - 2" × 0.099"; 8d - 2 1/2" × 0.113") nail.
- g. Fasteners spaced 3 inches on center at exterior edges and 6 inches on center at intermediate supports, when used as structural sheathing. Spacing shall be 6 inches on center on the edges and 12 inches on center at intermediate supports for nonstructural applications.
- h. Corrosion-resistant roofing nails with 7/16-inch-diameter head and 1 1/2-inch length for 1/2-inch sheathing and 1 3/4-inch length for 25/32-inch sheathing.
- i. Corrosion-resistant staples with nominal 7/16-inch crown or 1-inch crown and 1 1/4-inch length for 1/2-inch sheathing and 1 1/2-inch length for 25/32-inch sheathing. Panel supports at 16 inches (20 inches if strength axis in the long direction of the panel, unless otherwise marked).
- j. Casing (1 1/2" × 0.080") or finish (1 1/2" × 0.072") nails spaced 6 inches on panel edges, 12 inches at intermediate supports.
- k. Panel supports at 24 inches. Casing or finish nails spaced 6 inches on panel edges, 12 inches at intermediate supports.
- l. For roof sheathing applications, 8d nails (2 1/2" × 0.113") are the minimum required for wood structural panels.
- m. Staples shall have a minimum crown width of 7/16 inch.
- n. For roof sheathing applications, fasteners spaced 4 inches on center at edges, 8 inches at intermediate supports.
- o. Fasteners spaced 4 inches on center at edges, 8 inches at intermediate supports for subfloor and wall sheathing and 3 inches on center at edges, 6 inches at intermediate supports for roof sheathing.
- p. Fasteners spaced 4 inches on center at edges, 8 inches at intermediate supports.

**CITY OF CARLSBAD
POLICIES AND PROCEDURES**

| | |
|---------------------|---|
| NUMBER: 97-50 | SUBJECT: Re-Roof Sheathing Inspections During Inclement Weather |
| EFFECTIVE: 12/15/97 | SECTION: BUILDING DIVISION |
| SUPERSEDES: | |

PURPOSE: To set forth the allowable procedure for re-roof inspections during periods of inclement weather.

INTENT: The intent of this policy is to establish a uniform procedure for inspecting the underlayment installation for re-roof projects while protecting the house from the threat of inclement weather. It is not the intent of this policy to allow roof sheathing to be covered without inspection during periods of dry weather or when there is no threat of inclement weather.

BACKGROUND: The threat of wet weather prompts many homeowners to contract to have their house re-roofed. In most cases this involves removing the old roof material and installing new underlayment (Plywood or proprietary OSB Board). A building permit and "tear off" inspection is required prior to placing the roofing materials.

POLICY: During periods of inclement weather, or when there is a threat of rain, roof sheathing on re-roof projects may be covered with a single layer of asphalt saturated felt and "dried in" prior to the roof sheathing inspection subject to the following conditions:

1. The roof shall not be loaded with roof covering materials until the sheathing has been approved.
2. The roofing contractor shall schedule a sheathing inspection and provide the inspector access to the roof sheathing.
 - a. The roofing contractor shall provide an appropriate sized ladder on site for the inspection.
 - b. The contractor shall call the morning of the inspection and inform the inspector of the circumstances of the inspection and arrange for either an a.m. or p.m. inspection.
 - c. The roofing contractor must have an employee on site during the inspection to reveal portions of the new underlayment to the satisfaction of the inspector.
 - d. If structural reinforcement to the roof framing is necessary, the repairs shall be shown to the inspector at that time.
 - e. In the event the inspector determines the sheathing is nailed improperly, the roof sheathing shall be fully exposed and re-nailed. A re-inspection is then required.

| | |
|---------------|--------------|
| Initiated By: | Approved By: |
|---------------|--------------|

REROOFING SUPPLEMENTAL BUILDING PERMIT APPLICATION

1. JOB ADDRESS: _____

2. TYPE OF BUILDING: RESIDENTIAL _____ COMMERCIAL _____

3. ROOF SLOPE: RISE _____ INCHES IN 12 INCHES

4. NUMBER OF EXISTING ROOF COVERING (CIRCLE ONE) 1 2 3

5. TYPE OF EXISTING ROOF COVERING _____ SHEATHING _____

*6. NEW ROOF MATERIAL _____ CLASS _____ WEIGHT PER SQ. _____

7. NUMBER OF SQUARES _____

8. TRADE NAME _____ MANUFACTURER _____

9. ROOF SYSTEM LISTING:

UL NO. _____ I.C.C.E.S. Report # _____

ASTM _____

10. IS THE EXISTING STRUCTURAL DESIGN SUFFICIENT TO SUSTAIN THE WEIGHT OF THE PROPOSED ROOF? YES NO

All roof coverings are required to be CLASS A. Combustible roof coverings of any type or classification are prohibited.

I understand the following inspections are required:

1. Tear Off/Pre-Inspection prior to install new roof covering
2. Final Inspection

I agree to provide a ladder extending at least 2 rungs above the roof for inspection.

Signature _____ Date _____

Contractor _____ Owner _____ Contractor _____

Name _____

*6. Rolled Roofing, Standard/Lite Tile, Asphalt/Comp fiberglass, Built Up, Other