RE-ROOF INFORMATIONAL HANDOUT

Updated 6/2024

BUILDING PERMIT THRESHOLD:

A permit is required for all re-roof installations and repairs of more than 100 square feet.

CODES ENFORCED: 2022 CBC, CRC, AND DCMC

ROOF COVERINGS

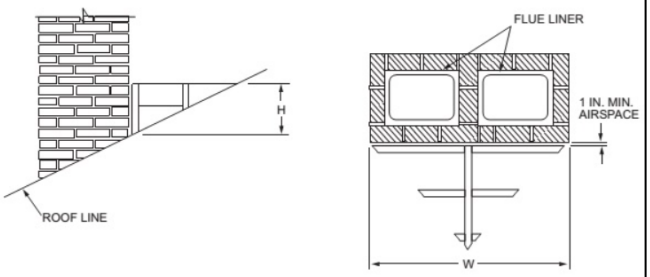
- **Roof Fire Classification** – Minimum Class B or better. *DCMC 15.10.240 & 15.08.210*
- **Deck Requirements –** Asphalt shingles shall be fastened to solidly sheathed decks (CBC §1507.2.1 & CRC §R905.2.1).
- **Slope –** Asphalt shingles shall only be used on roof slopes of 2 units vertical in 12 units horizontal (17% slope) or greater. For roof slopes from 2 units vertical in 12 units horizontal (17% slope) up to 4 units vertical in 12 units horizontal (33% slope), double underlayment application is required in accordance with CBC §1507.2.8 (CBC §1507.2.2 & CRC §R905.2.2).
- **Underlayment** – Unless otherwise noted, required underlayment shall conform to ASTM D 226, Type I, ASTM D 4869, Type I, or ASTM D 6757 (CBC §1507.2.3 & CRC §R905.2.3).
- **Asphalt Shingles** – Asphalt shingles shall have self-seal strips or be interlocking and comply with ASTM D 225 or ASTM D 3462. Asphalt shingle packaging shall bear labeling indicating compliance with ASTM D 3161 or a listing by an approved testing agency (CBC §1507.2.5 & CRC R905.2.4).
- **Fasteners** – Fasteners for asphalt shingles shall be galvanized, stainless steel, aluminum or copper roofing nails, minimum 12 gage shank with a minimum 0.375 inch-diameter head, of a length to penetrate through the roofing materials and a minimum of 0.75 inch into the roof sheathing. Where the roof sheathing is less than 1.75 inch thick, the nails shall penetrate through the sheathing. Fasteners shall comply with ASTM F 1667(CBC §1507.2.6 & CRC §R905.2.5).
- **Attachment** – Asphalt shingles shall have the minimum number of fasteners required by the manufacturer and CBC Section 1504.1. Asphalt shingles shall be secured to the roof with not less than 4 fasteners per strip shingle or 2 fasteners per individual shingles. Where the roof slope exceeds 20 units vertical in 12 units horizontal (166% slope), asphalt shingles shall be installed in accordance with the manufacturer's printed installation instructions for steep-slope roof applications (CBC §1507.2.7 & CRC §R905.2.6).
- **Underlayment Application** – For roof slopes from 2 units vertical in 12 units horizontal (17% slope) and up to 4 units vertical in 12 units horizontal (33% slope), underlayment shall be 2 layers applied in the following manner. Apply a minimum 19-inch-wide strip of underlayment felt parallel with and starting at the eaves, fastened sufficiently to hold in place. Starting at the eave, apply 36- inch-wide sheets of underlayment overlapping successive sheets 19 inches, by fastened sufficiently to hold in place. Distortions in the underlayment shall not interfere with the ability of the shingles to seal. For roof slopes of 4 units vertical in 12 units horizontal (33%s slope) or greater, underlayment shall be one layer applied in the following manner. Underlayment shall be applied shingle fashion, parallel to and starting from the eave and lapped 2 inches, fastened sufficiently to hold in place. Distortions in the underlayment shall not interfere with the ability of the shingles to seal (CBC §1507.2.8 & CRC §R905.2.7).
- **Drip Edge** – Provide drip edge at eaves and gables of shingle roofs. Overlap to be a minimum of 2 inches (51 mm). Eave drip edges shall extend 0.25 inch below sheathing and extend back on the roof a minimum of 2 inches (51 mm). Drip edge shall be mechanically fastened a maximum of 12 inches (305 mm) O.C. (CBC §1507.2.9.3 & CRC §R905.2.8.5).

- **Crickets and Saddles** – A cricket or saddle shall be installed on the ridge side of any chimney or penetration greater than 30 inches wide as measured perpendicular to the slope. Cricket or saddle covering shall be sheet metal or of the same material as the roof covering (CRC§1003.20 & CBC§1507.2.9.4).

TABLE R1003.20

CRICKET DIMENSIONS

ROOF SLOPE	H
12:12	1/2 of W
8:12	1/3 of W
6:12	1/4 of W
4:12	1/6 of W
3:12	1/8 of W



For SI: 1 inch = 25.4 mm.

FIGURE R1003.20

CHIMNEY CRICKET

RE-ROOFING

Material and methods of application used for recovering or replacing an existing roof covering shall comply with the requirements of the 2022 CBC §1510. Structural roof components shall be capable of supporting the roof-covering system and the material and equipment loads that will be encountered during installation of the system.

Recovering versus replacement – New roof coverings shall not be installed without first removing all existing layers of roof coverings where any of the following conditions occur (CBC§1510.3 & CRC §R907.3):

1. Where the existing roof or roof covering is water soaked or has deteriorated to the point that the existing roof or roof covering is not adequate as a base for additional roofing.
2. Where the existing roof covering is wood shake, slate, clay, cement or asbestos-cement tile.
3. Where the existing roof has two (2) or more applications of any type of roof covering.

INSPECTIONS

All re-roofs require two inspections. *At this time Daly City is only requiring ONE inspection, two inspections available upon request.* **Note:** The job card shall be posted on-site and an extension ladder meeting the minimum OSHA requirements.

In-progress *is* ***ALWAYS REQUIRED*** *(requirement based on roofing material)*

- Composition - All plywood nailed down, 1/2 felted with valleys felted and flashing over felt. Courses started. Drip edge at all rakes installed over felt.
- Tar and Gravel/Foam - All areas cleaned of debris and new materials on site for inspection.
- Tile - Have furring members in place with approved fire blocking.

Final inspection

The final inspection is required after all of the re-roof work is complete. The following items will be checked at the final.

- Spark arrester is installed
- Overflow drains are cleaned
- Skylights are secured
- All flues are to be extended and secured
- Any roof equipment and/or piping is secured
- All exposed nails are protected and caulked with silicon
- All exposed wood, roof jacks, and metal flashing or edging are painted

www.dalycity.org
Daly City Economic and Community Development Services
City Hall – 333 90th Street, Daly City CA 94015
Phone: 650.991.8061 ▪ Fax: 650.991.8070