



Brad Hays



SBC Roof Series: Asphalt Shingle Roof Installation

Here's a typical installation checklist for a shingle roof system:

1. Safety Precautions:

- Ensure all workers are equipped with proper safety gear, including harnesses, hard hats, and non-slip footwear.
- Follow OSHA guidelines and safety protocols for working at heights.

2. Roof Deck Preparation:

- Inspect the roof deck for any damage or deterioration.
- Replace any damaged or rotten deck sheathing to ensure a solid and smooth foundation for the shingles.
- Underlayment Installation:
 1. Install a high-quality underlayment, such as asphalt-saturated felt or synthetic underlayment, ice & water shield to provide a secondary water barrier.
 2. Properly overlap the underlayment to ensure complete coverage and protection against leaks.

3. Flashing Installation:

- Install step flashing along sloped areas where the roof intersects with vertical surfaces.
- Apply proper counter flashing in masonry areas to protect against water infiltration.

4. Starter Shingle Application:

- Apply starter shingles along the eaves to provide a secure anchor for the first course of shingles.
- Ensure starter shingles are aligned and securely fastened to prevent wind uplift.

5. Shingle Installation:

- Install shingles according to the manufacturer's specifications and approved methods to ensure proper water shedding and wind resistance.
- Follow a consistent nailing pattern and spacing as recommended by the manufacturer.



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6. Ridge Cap Installation:

- Apply ridge cap shingles along the ridges and hips of the roof to provide a finished and weather-resistant covering.

7. Ventilation Installation:

- Install soffit vents at the eaves to allow fresh air intake.
- Install ridge vents or other exhaust vents at the ridges to facilitate the escape of warm, moist air from the attic.

8. Cleanup and Inspection:

- Remove any debris and excess materials from the roof and the surrounding area.
- Perform a thorough inspection of the completed installation to ensure proper shingle alignment, flashing integrity, and overall workmanship.
- Inspect the ground for fallen nails.

9. Final Checks:

- Check for any exposed nail heads and ensure they are sealed with appropriate roofing cement.
- Verify that all flashing components are properly secured and sealed.

This is a general guide, and it's essential to consult with the shingle manufacturer and adhere to their specific installation guidelines as well as follow local building codes and regulations.



* Check with a licensed roofing contractor for additional information.