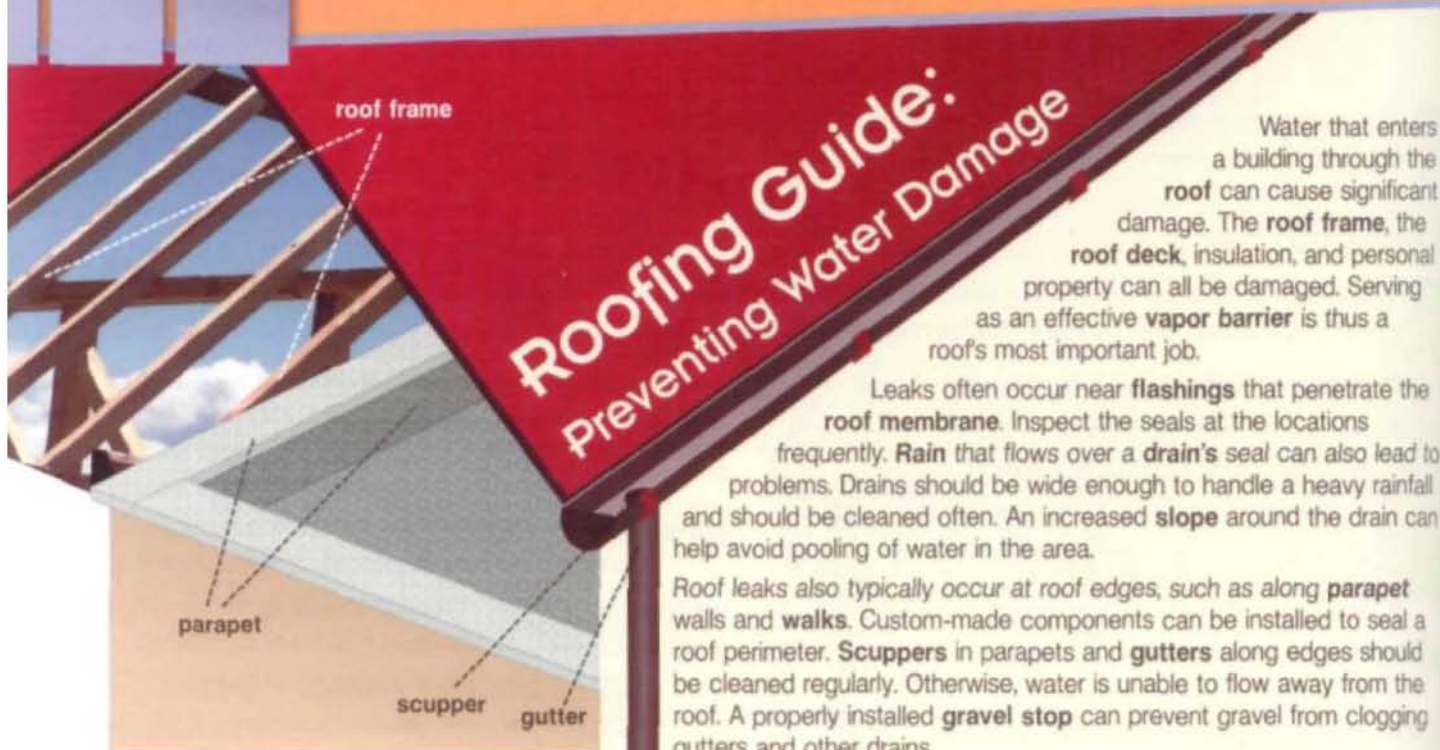


13 Roofs 1



Get ready!

1 Before you read the passage, talk about these questions.

- 1 What carries rainwater off a roof?
- 2 What is the main structural support of a roof called?

Reading

2 Read the troubleshooting article on roofs. Then, choose the correct answers.

- 1 According to the passage, what is the most important job of a roof?
 - A preventing heat loss
 - B stopping moisture leaks
 - C supporting the building frame
 - D withstanding the weight of elements
- 2 Which of the following is NOT listed as a place where roof leaks occur?

A a roof deck	C a drain's seal
B a parapet wall	D a flashing
- 3 How can a roof perimeter be protected from water leaks?
 - A increasing the roof slope
 - B increasing the width of drains
 - C inspecting flashing seals
 - D installing custom components

Vocabulary

3 Match the words (1-8) with the definitions (A-H).

- | | |
|---------------|-------------------|
| 1 — gutter | 5 — vapor barrier |
| 2 — parapet | 6 — roof membrane |
| 3 — roof deck | 7 — scupper |
| 4 — flashing | 8 — gravel stop |
- A an opening in a wall that allows water to drain off of a roof
 - B a layer of roofing material in between the structural parts and insulating or waterproofing layers
 - C a roof component used to seal roof edges where the roof covering is interrupted
 - D a piece of metal placed at the edge of a roof to prevent gravel from falling off
 - E a part of a building's edge, such as a wall, that extends above the roof
 - F a layer of rubber or bitumen placed typically over a flat roof to prevent water leakage
 - G a channel at the edge of a roof that collects rainwater and carries it away
 - H a material that prevents moisture from entering a wall, roof, or floor

14 Roofs 2



Janet Truman
ROOFING SPECIALIST



shingle



rafter

With over twenty-five years of experience in the roofing industry, I have the skills to make your roofing project a success. I can work with you to design and build the roof of any structure. Need proof? Check out my work around town.

My crew installed the **low slope roof** on the new Super Save store. The **gambrel** roofs of the Anderson and Mayfield farms are my work. And I led the team building the **mansard** roof for the City Living apartment complex.

I can build and design a roof with multiple elements. It could have eye-catching **gables** or slopes that join at **hips**. A simple **shed** roof can have a **rake** or be designed with decorative **eaves** to enhance appearance. Besides looks, I also install functional roofs. Even a **flat roof** will have an effective slope for water drainage.

Additionally, I specialize in the repair of existing roofs. A regular attic inspection to check for damage to **rafters** and **purlins** is always a good idea. My crew and I lay and repair various types of **shingles**, including **shakes**, fiberglass asphalt, and slate. We also check roof **vents** for leaks and proper functioning.

Come to Truman Roofing for a free consultation about your roofing design, installation, or repair needs.

Get ready!

1 Before you read the passage, talk about these questions.

- 1 What are some different types of roof?
- 2 What type of roof has a parapet?

Reading

2 Read the ad for a roof specialist. Then, mark the following statements as true (T) or false (F).

- 1 ☐ The roofer designed mansard roofs for farmhouses.
- 2 ☐ Decorative eaves can be added to shed roofs.
- 3 ☐ The roofer can repair damaged shakes.

Vocabulary

3 Match the words (1-7) with the definitions (A-G).

- | | | |
|------------------------------------|---|---------------------------------|
| 1 <input type="checkbox"/> shake | 4 <input type="checkbox"/> mansard | 7 <input type="checkbox"/> rake |
| 2 <input type="checkbox"/> gambrel | 5 <input type="checkbox"/> low slope roof | |
| 3 <input type="checkbox"/> shed | 6 <input type="checkbox"/> purlin | |

- A a kind of roof that has one single slope
- B the sloped edge of a roof next to the first or last rafter
- C a roof that has a very small slope to allow for water drainage
- D a type of wooden shingle made from split logs
- E a roof with two slopes on each of each sides, which joins together in hips at the building corners
- F a horizontal structural member that connects two roof rafters
- G a symmetrical two-sided roof with two slopes on each side

4 Read the sentence and choose the correct word.

- 1 The column sticking out of the roof is a piping **vent** / **gable**.
- 2 The slopes of this mansard roof join in a(n) **eave** / **hip** at the building corner.
- 3 This **flat roof** / **rafter** has a very small slope for water drainage.
- 4 The **eave** / **shingle** hangs over the wall for water to run off.
- 5 The **rafters** / **vents** supporting this gambrel roof are at two angles.
- 6 A shed roof does not form a triangle-shaped **rake** / **gable**.
- 7 Use asphalt **shingles** / **purlins** to cover this roof.