

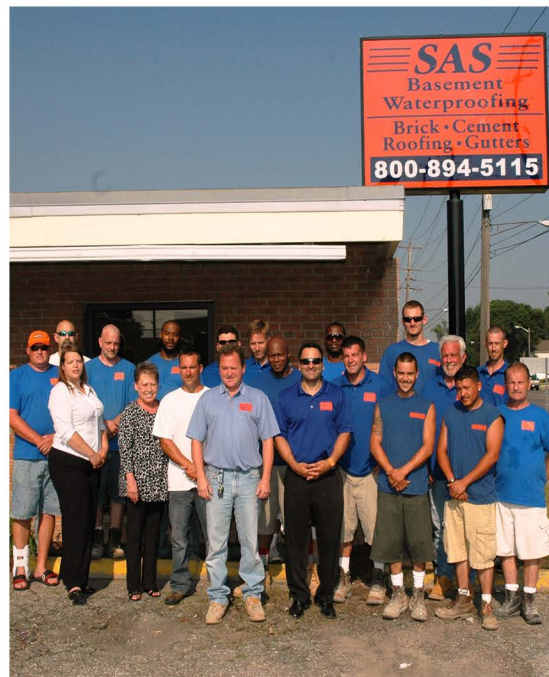


SAS Solutions For Your Home:

Basement Waterproofing • Crawl Spaces

Foundation Repair • Plumbing • Concrete • Brick Repair

Tuckpointing • Roofing • Gutters



Financing Available • License and Insured • Workmanship 100% Guaranteed
Servicing Southeast Michigan for over 30 years

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or visit us online at

www.1800CALLSAS.com

SAS Services, Inc.
5800 East Ten Mile Road
Warren MI, 48091



Smart Clean-Out System, Patent No. US7,614,192 B2 - Copyright © 2017, SAS Services, Inc., All Rights Reserved - Printed in the USA - Rev.SAS0517RRRG



Mark
Roofing Learder
since 1998



Over 25,000 Satisfied Customers In:
Roofing, Roof Repairs & Gutters

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In Business for Over 25 Years

SAS Services, Inc. has emerged as one of southeast Michigan's premier basement waterproofing, roofing, brick and concrete companies.

Brick and Mortar Location

SAS Services, Inc. operates in a 6,000 square foot facility in southeast Michigan.

Trusted In All of Southeast Michigan

SAS Services, Inc. has been trusted for years in Michigan.

- A+ rating with the Better business Bureau
- Customer testimonials
- Mentioned as a source for The Detroit News
- Trusted referrals from 760 WJR-AM's own "Master Handyman" Glenn Haege.

License and Insured • 100% Workmanship • Financing Available



Testimonials

"I am a real estate agent and investor. I have used SAS Services, Inc. for many roofing projects, both big and small, for my properties. I have and will continue to recommend them to other investors and clients. They are very professional. The work has always been top notch and their prices are very competitive. No complaints whatsoever."

Bill – Bloomfield Hills, MI

"We hired SAS Services, Inc. to replace our roof. Despite the hot day, Mike and his crew were extremely professional and completed their work quickly and neatly. Not only was I pleased with their work, I was also extremely happy with the variety of styles to choose from."

Natalie – Troy, MI

Why Roofs Leak

Roofing materials are susceptible to wear and tear, and that's when roofs become vulnerable to water leaks. Extreme changes in temperatures and weather conditions are contributing factors for roofing materials to become fragile and crack over time. Direct sunlight can melt the tar that holds the shingles in place. Elements like rain and wind can corrode the tar overtime.

Broken Shingles

Shingles are the exterior layer of a roof, and it is crucial that they are always in place. Missing shingles will cause water to leak. Shingles may come apart and fall off the roof after a heavy storm.



Cracked Roof Vents

Cracks, or any sort of penetration through the roof should be fixed as soon as possible, so as to prevent leaks. It is important to inspect the gaskets around the vent pipes for any cracks or gaps and check for missing nails. Harsh weather conditions may cause plastic vents to give way.



Accumulation of Debris

An accumulation of debris allows water to be trapped against the roof, causing leaks. The most common accumulation of debris includes: Leaves, pine needles, twigs, etc. Water has to be able to run off quickly, and that is why it is important to keep the roof clear of debris.



Cracked Flashing & Sealant

Over time, the flashing and sealant around the walls, chimneys and windows can be warped and eroded. With a broken seal around these areas can allow for water to enter the home.



Ice Dam Buildup

Heat from the house will cause snow to melt and seep down through to the gutters where it refreezes in to a buildup of ice. The weight of the ice can pull the gutter and drip edge away from the roof and allowing water to seep in.



Property Protection

- Delivery of Dumpster
- Tarping & Protecting
- Delivery of Shingles

* SAS will continuously clean the job site throughout the entire project to help prevent injury or damage to the property

Delivery of Dumpster

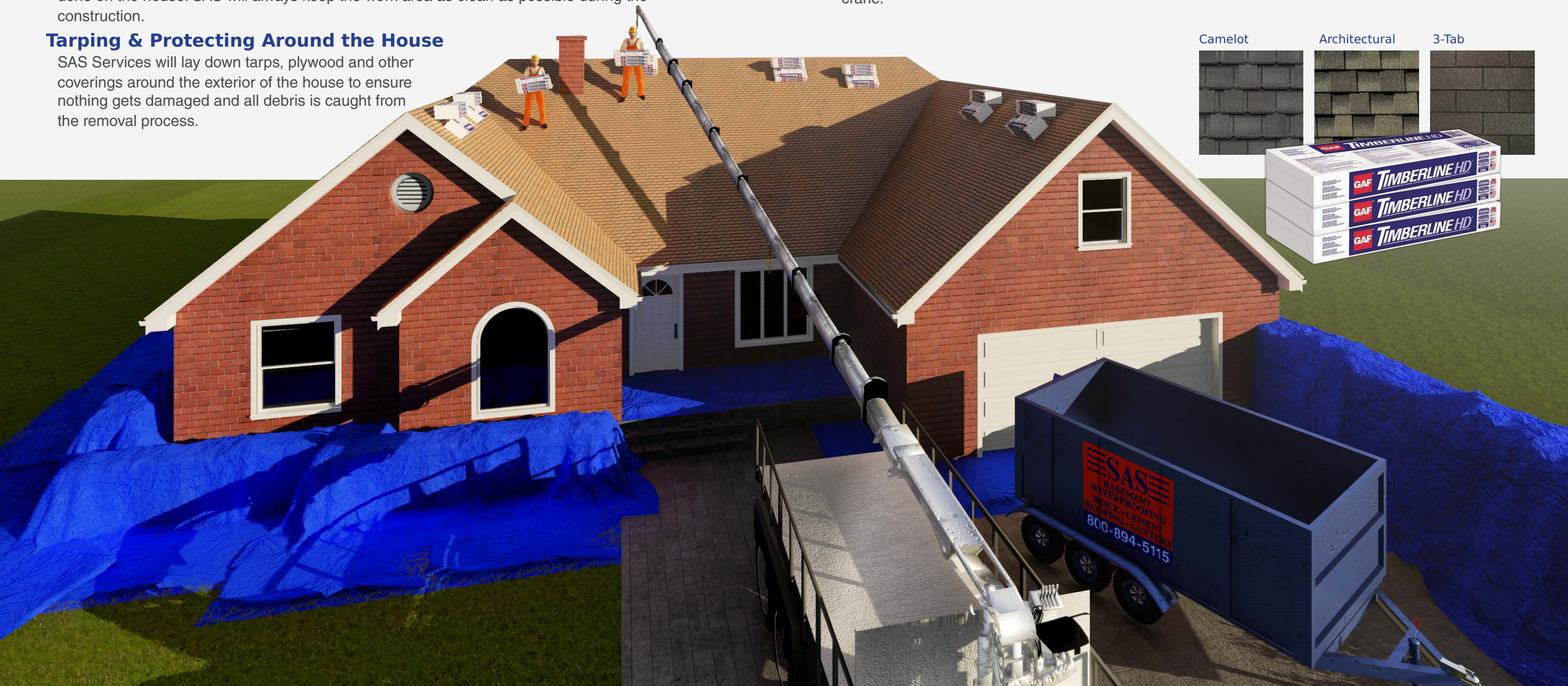
SAS Services will deliver a dumpster with rubber wheels for the protection of your driveway. The protective dumpster will haul old shingles and other debris prior to any work being done on the house. SAS will always keep the work area as clean as possible during the construction.

Tarping & Protecting Around the House

SAS Services will lay down tarps, plywood and other coverings around the exterior of the house to ensure nothing gets damaged and all debris is caught from the removal process.

Delivery of Shingles

SAS Services will deliver shingles and other roofing materials at the start of the job. The new shingles will be loaded on to the roof with a crane.



Remove Old Roofing Materials

- Drip Edge
- Flashing and Counter Flashing
- Ice and Water Shield
- Solar Sealant
- Replace Rotted Wood

Drip Edge

Drip edge is a formed sheet metal that extends about 1½ inch away from fascia between the roof and the gutters. The drop edge protects the edge of the roof by leading water directly in to the gutters.

Flashing & Counter Flashing

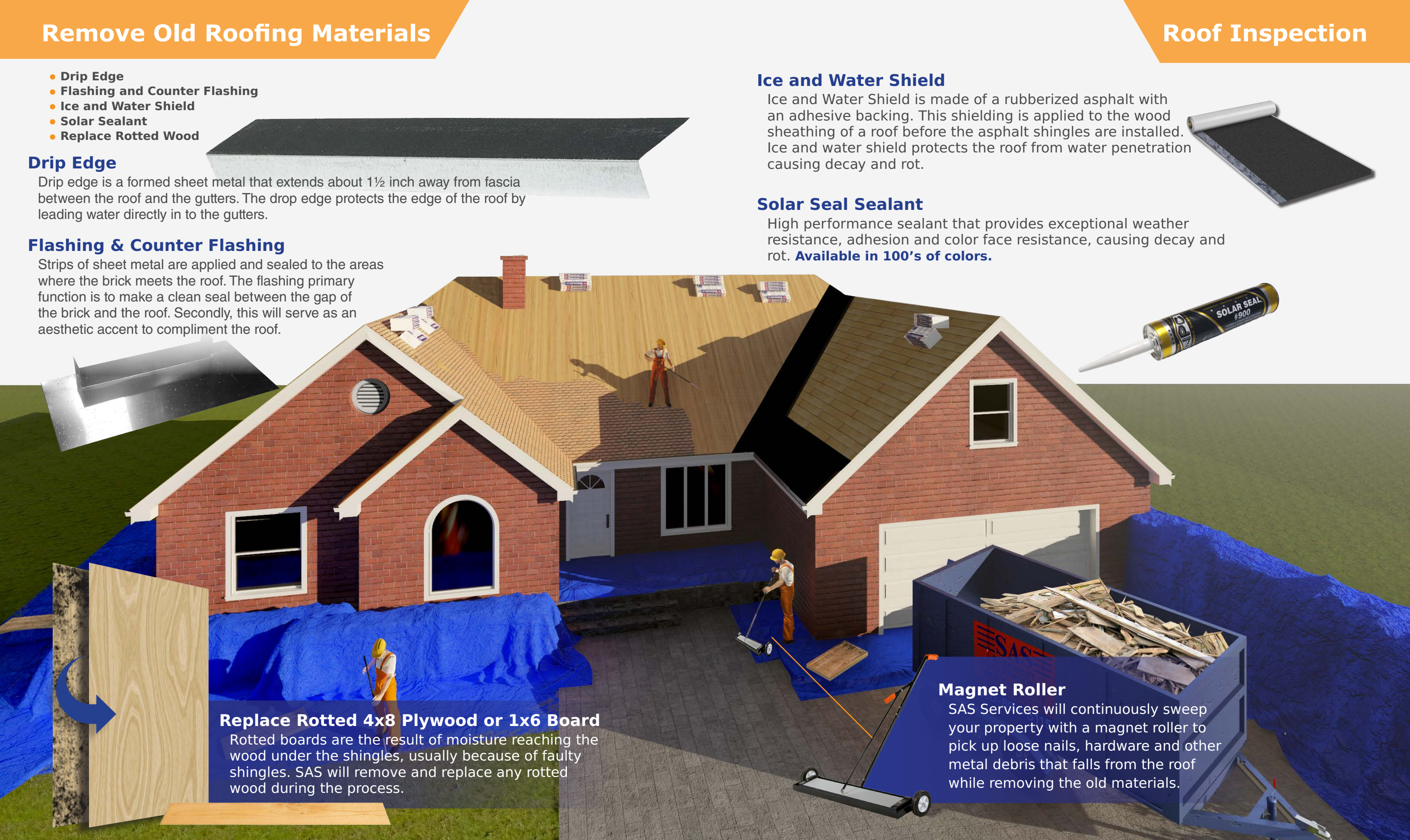
Strips of sheet metal are applied and sealed to the areas where the brick meets the roof. The flashing primary function is to make a clean seal between the gap of the brick and the roof. Secondly, this will serve as an aesthetic accent to compliment the roof.

Ice and Water Shield

Ice and Water Shield is made of a rubberized asphalt with an adhesive backing. This shielding is applied to the wood sheathing of a roof before the asphalt shingles are installed. Ice and water shield protects the roof from water penetration causing decay and rot.

Solar Seal Sealant

High performance sealant that provides exceptional weather resistance, adhesion and color face resistance, causing decay and rot. **Available in 100's of colors.**



Replace Rotted 4x8 Plywood or 1x6 Board

Rotted boards are the result of moisture reaching the wood under the shingles, usually because of faulty shingles. SAS will remove and replace any rotted wood during the process.

Magnet Roller

SAS Services will continuously sweep your property with a magnet roller to pick up loose nails, hardware and other metal debris that falls from the roof while removing the old materials.

Prepare Roof Surface for Shingles

*SAS will continuously clean the job site throughout the entire project to help prevent injury or damage to the property

- Underlayment
- Ventilation

Underlayment

Felt paper or also known as tar paper is durable paper or fiberglass that has tar incorporated in to it. This paper is installed on of a roof before the asphalt shingles are installed. Felt paper is used to stop water from penetrating roofing causing decay and rot.

There are a few types or weights of felt paper:

- 15 lbs.:** This is the standard weight of felt paper and is widely used for residential homes
- 30 lbs.:** This a more durable paper used on larger projects or in situation where the roof may be exposed to the elements for a longerduration before the asphalt shingles are installed.

Felt paper can also be used in combination with Ice and Water Shield for an added layer of protection.

Ventilation

Cracks, or any sort of penetration through the roof should be fixed as soon as possible, so as to prevent leaks. It is important to inspect the gaskets around the vent pipes for any cracks or gaps and check for missing nails. Harsh weather conditions may cause plastic vents to give way.



Synthetic Felt Underlayment

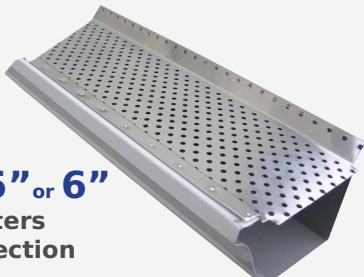
This felt material is made out of long lasting polymers. The most durable protection from water penetration. Synthetic felt can used independently from other roofing underlayment.

SAS Weather Shield System

- Remove shingles
- Replace rotted board plywood
- Install 1.5 " drip edge along edge and take
- Extra ice and water shield at edge and valleys
- Ice and water shield around chimney and other vulnerable areas
- Synthetic felt paper for maximum protection
- Install proper flashing
- Install counter flashing and Solar Seal 900
- Install life time shingles
- Install louver, ridge vent and smart vent

Final Roof Inspection

Each roofing replacement by SAS Services includes a meticulous post-roofing inspection. SAS wants to ensure that your roof replacement is done correctly and that it meets with your complete satisfaction.



Seamless Gutters: 5" or 6"
Aluminum gutters with Leaf Protection

Ventilation



Shingles



Camelot

Architectural

3-Tab

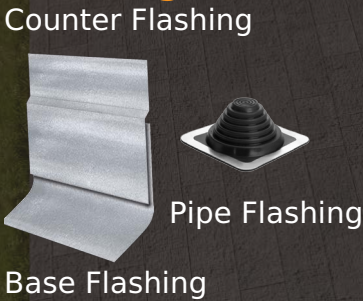
Drip Edge



1 inch

1.5 inch

Flashing



Counter Flashing

Pipe Flashing

Base Flashing

Sealant



Ice / Water Shield

Solar Sealant 900

Felt / Underlayment



Synthetic

30 Lbs.

15 Lbs.