



# Repairing My Roof After a Storm

## ***MY ROOF WAS DAMAGED DURING THE STORM. WHAT SHOULD I KNOW ABOUT REPAIRING MY ROOF?***

Your roof covering and the deck beneath it are your home's first line of defense against high winds, rain, and hail. The following information will help you with selecting a roofing contractor and installing a roof after a storm.

### **Before Making Roof Repairs**

- If your home is located in the first row of Texas counties bordering the Gulf of Mexico or in one of the following cities in Harris County that is East of HWY 146: La Porte, Morgan's Point, Pasadena, Seabrook, or Shore Acres, contact your insurance agent to determine if your repairs need to comply with the Texas Windstorm Building Code (TWBC).
- If repairs need to comply with the TWBC, talk to your insurance agent or adjuster about the Windstorm Inspection Program to maintain or obtain windstorm and hail insurance coverage.
- Repairs made and inspected to comply with the TWBC will receive a Certificate of Compliance, Form WPI-8, from the Texas Department of Insurance (TDI).
- Additional information on the Windstorm Inspection Program is available at [www.tdi.texas.gov](http://www.tdi.texas.gov) or by calling (800) 248-6032.
- Contact your local building official for building requirements in your area.
- Contact your insurance agent to determine if certain roof covering products are eligible for insurance discounts.

### **Selecting a Roofing Contractor**

#### **How do I go about selecting a contractor to install my new roof?**

- Verify the name, address, telephone number, and references of your roofing contractor.
- Make sure that the contractor is insured or bonded.
- Obtain and compare at least three written bids.
- Make sure that all agreements and terms of warranty are written and signed and that you have received copy.
- Make sure that the re-roof application is eligible for receiving a Certificate of Compliance, Form WPI-8, from the TDI if required by your insurance company.
- Final payment should **not** be made until all work is complete.
- Avoid door-to-door solicitors for damage repair work.

#### **Beware of a contractor.....**

- Who only wants cash.
- Whose references are all out of state.
- Who wants money before materials are on site.
- Who is not established.
- Who is not bonded or insured.
- Who offers "specials" or "extra-cheap work."

# Roof Installation Requirements to the Texas Windstorm Building Code

## 1. What are the roof product choices for my house?

Texas experiences two of the most severe weather conditions a roofing system can face: high winds and hail. Homeowners have several choices on roof covering material types. The most common roof covering for residential structures in Texas is asphalt shingles. If you are using asphalt shingles on your roof, select shingles that have been tested to and the shingle wrapper indicates compliance with either ASTM D 3161 Class F or ASTM D 7158 Class H. Asphalt shingle product and other roof covering product information is available at [www.tdi.texas.gov](http://www.tdi.texas.gov) or by calling (800) 248-6032.

## 2. Is my roof decking acceptable as it is or should it be reattached, or possibly replaced, while the existing roof covering has been removed?

Your roof deck should be inspected and any deteriorated or damaged decking replaced prior to the installation of a new roof covering.

Older Deteriorated and Damaged Deck (Board Decking)



New Deck Application Using Oriented Strand Board (OSB)

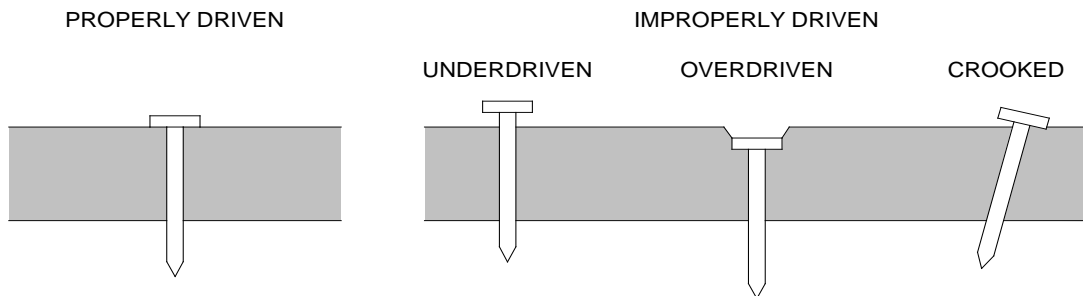


### 3. What kind of underlayment should be installed?

A minimum of No.15 underlayment (felt) is required for asphalt shingle installations. Two layer of felt are required for roof slopes from 2:12 up to 4:12. For roof slopes 4:12 and greater, one layer of felt is required. Make sure the felt ins installed as required by the Texas Windstorm Building Code and the shingle manufacturer.

### 4. What kind of roofing nails should be used to install the shingles?

Roofing nails shall be galvanized steel or stainless steel, minimum 12 gauge (0.105") shank with a minimum  $\frac{3}{8}$ " diameter head. **Staples are not acceptable!**

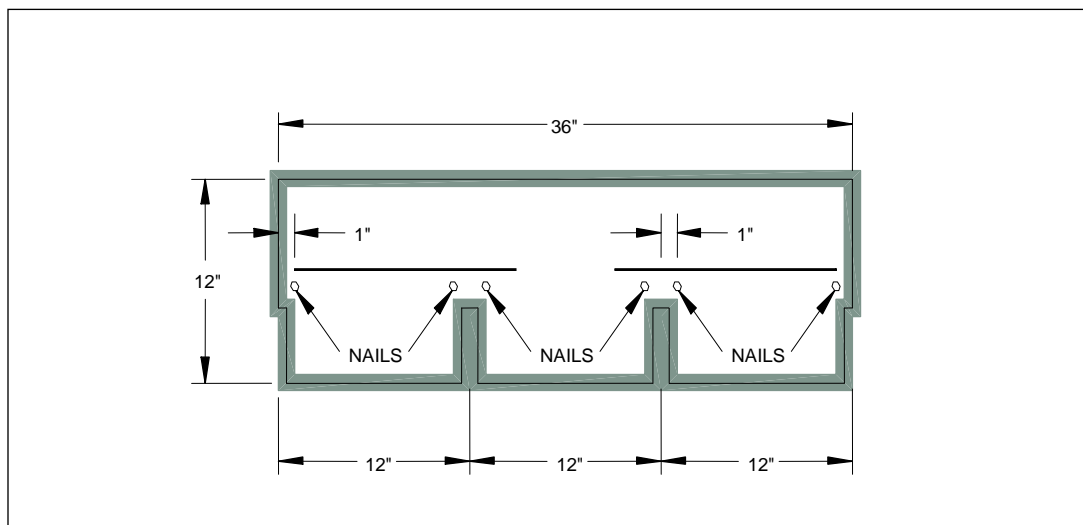


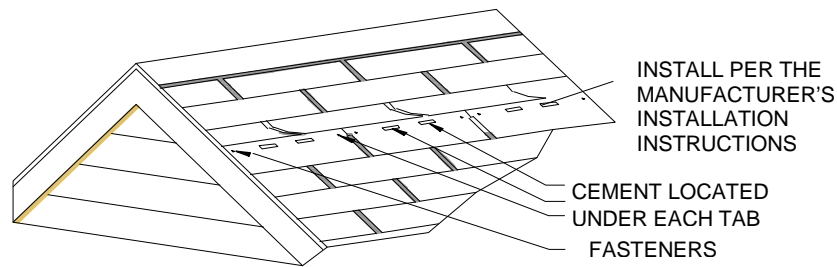
Properly and Improperly Driven Roofing Nails in Shingle

### 5. How should asphalt shingles be installed?

The asphalt shingles shall be installed in strict accordance with the manufacturer's installation instructions on the shingle wrapper. Note: Asphalt shingles can only be installed on roofs with a roof slope of 2:12 or greater.

Standard Installation of a Three-tab Asphalt Shingle  
In High Wind Areas





### Asphalt Shingle Installation

**6. What if I have a metal roof panels , metal shingles, or concrete roofing tiles?  
How should these products be installed?**

Roof covering products shall be installed in strict accordance with the manufacturer's installation instructions and their tested high wind applications. The TDI has roof covering product listings for many types of roof coverings by many manufacturers. Approved product information is available at [www.tdi.texas.gov](http://www.tdi.texas.gov) or by calling (800) 248-6032.

**7. If I want to install or need to replace my skylights, roof vents or roof turbines,  
what do I need to know about getting the right product for my house?**

Skylights, roof vents and roof turbines are vulnerable to high winds and hail. You need to choose products that have a published wind resistance rating. For hail prone and hurricane prone regions, choose impact resistant skylights which are tested to ASTM E 1886 and E 1996. The TDI has skylight, roof vent, and roof turbine product listings for many product manufacturers. Approved product information is available at [www.tdi.texas.gov](http://www.tdi.texas.gov) or call (800) 248-6032.