

# Windstorm Inspections Program

---

*July 2022 Newsletter*

---

## 2018 IRC requirements for construction documents

Construction document requirements in the 2018 International Residential Code (IRC) are found in section R106.

Here's what you need to know:

- In addition to construction drawings, building officials might require submittal data, such as information for building products.
- Registered design professionals must prepare construction documents. The construction documents should give details for general and special conditions. Section R106.1.1 requires the documents to indicate the location, nature, and extent of the work proposed and show in detail that it will satisfy the code, relevant laws, ordinances, and regulations of the jurisdiction.
- Foundation plans and details must conform to Chapter 4 of the 2018 IRC. A geotechnical evaluation might be needed to design the foundation. You can find these in R401.4 and R401.4.1 of the code. There are exceptions in the code for soil study requirements.

The 2018 IRC doesn't give a list of requirements for foundation drawings. But the drawings should include enough direction for the contractor to build the improvement following the engineer of record's design. Include details to satisfy the IRC's complete load path requirement. Also identify any connectors, fasteners, and reinforcements needed to meet the load path requirement.

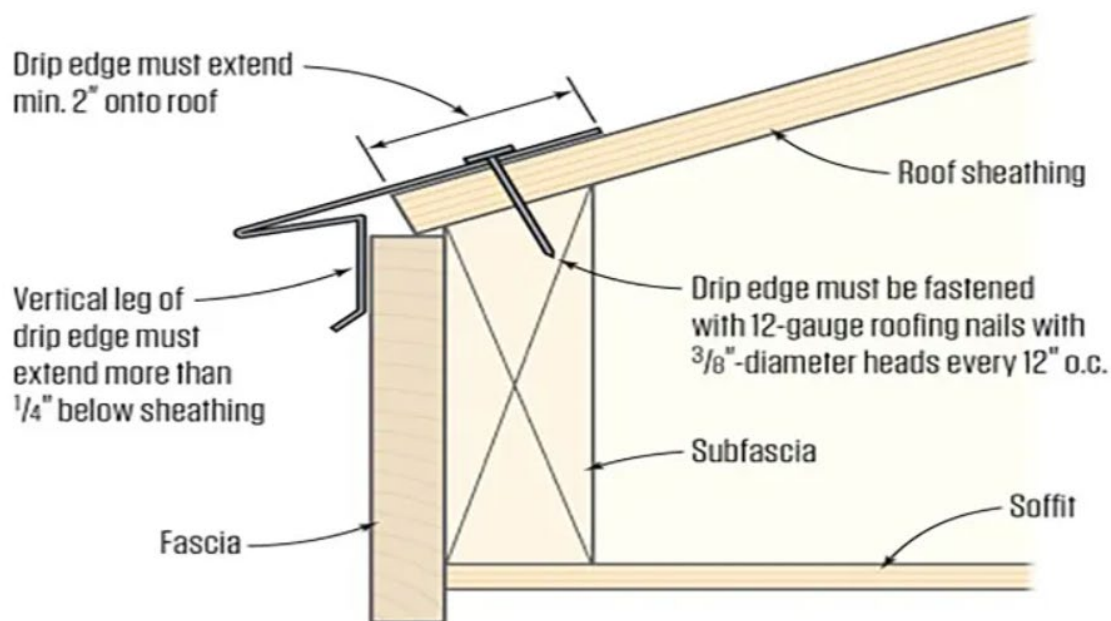
## Roof drip edge specifications

The specifications for roof coverings are listed in Chapter 9 of the 2018 IRC.

Section R905.2.8.5 says a drip edge shall be provided at eaves and rake edges of shingle roofs. Adjacent segments of the drip edge shall be overlapped no less than two inches. The vertical leg of the drip edge shall extend not less than 1/4 inch below the roof sheathing and extend up the slope of the sheathing not less than two inches.

Be sure to note the relationship between the roof sheathing and the fascia. The thickness of the fascia and the presence of additional wood trim affect the overall profile of the drip edge. (See diagram)

# Code Requirements for Drip Edge



The IRC requires the drip edge to be fastened to the roof deck. The roof underlayment must be installed over the drip edge along the eaves and under the drip edge at the rake edges of the roof.

## Foundation

Applications for foundations based on sealed designs must have enough information that the contractor can build the foundation and meet the code requirements. Include the sealed drawings with the WPI-2E application when certifying a sealed design.

## Reminders

- Monitor your queues for correction requests and pending applications. You can avoid duplicate applications by verifying that an application hasn't already been created.
- You don't need to submit signed documents if they were entered in the system on or after September, 14, 2020.
- Use your login to create and edit windstorm applications. Need a login? Call Engineering Services at 800-248-6032, option 5

## Contact us

The Windstorm Intake team is available to help with all WPI-8 certificate of compliance questions. Contact us at [windstorm@tdi.texas.gov](mailto:windstorm@tdi.texas.gov) or 800-248-6032, option 3.