



Thank you for choosing AES!

We are here to help. It is vitally important that you understand the Fortified Process. If you're selling a Fortified Roof, you should know how to deliver one. This guide is not designed to teach you how to install a fortified roof.

The following link will take you to the [fortifiedhome.org](https://fortifiedhome.org/building-professionals/) building professionals website:

<https://fortifiedhome.org/building-professionals/>

This will provide you with official information on training and certifications. AES strongly advises you to become certified.

In the following pages, you will see a guide created by AES to assist in documenting the installation of a Fortified Hurricane-Standard Roof. This is only a guide and is not a substitute for adequate Fortified Training.

You've heard the saying knowledge is power. In this case, it is vitally important. If you are not sure on how to install a Fortified Hurricane-Standard Roof, please let AES know immediately.

AES has been monitoring live construction for over 20 years. We pride ourselves on working with professionals. We will do everything possible to capture and deliver the required information to IBHS.

As a fortified evaluator, we are required to visit the site of a fortified hurricane standard roof installation a minimum of two times. AES will make additional trips as necessary to capture the appropriate documentation.

Communication and logistics are vital components of the fortified hurricane standard roof evaluation process. Working together, the designation process can be smooth and efficient.

Please review this guide and contact us directly with any questions or concerns.

E-mail: [aes@aesfortified.com](mailto:aes@aesfortified.com)



**Failure to submit adequate or acceptable documentation may result in the denial of a FORTIFIED designation.**

FORTIFIED Homeowners have peace-of-mind when storms hit, in part, because they trust IBHS research has guided them to implement the most critical upgrades to protect their homes from severe weather. That confidence is multiplied by the independent third-party verification required to achieve a FORTIFIED designation at any level (Roof, Silver or Gold).

The documentation provided by certified FORTIFIED Evaluators enables IBHS to enforce the FORTIFIED standards. Requiring appropriate and adequate documentation ensures that adequately rated, FORTIFIED-compliant materials are used and installed in compliance with both the FORTIFIED standards and manufacturer requirements.

**DOCUMENTATION IS MORE THAN TAKING PICTURES**

While photos are an extremely important method of verifying FORTIFIED requirements at a homesite, they only represent a portion of the documentation required for a FORTIFIED designation.

Depending on designation level, installation documentation may include the following:

- Photo documentation of product packaging
- Photo documentation of installation
- Certified testing reports and/or manufacturer installation instructions for certain products
- FORTIFIED Compliance Forms
- Additional documentation which may be required depending on individual specific site conditions and design elements

**The photo guide that follows is a creation of AES and has no affiliation with IBHS. Its sole purpose is to provide a clearer understanding of the documentation needed for a FORTIFIED roof. As we encounter more installation scenarios, we plan to expand this guide accordingly.**



## New and Existing Homes

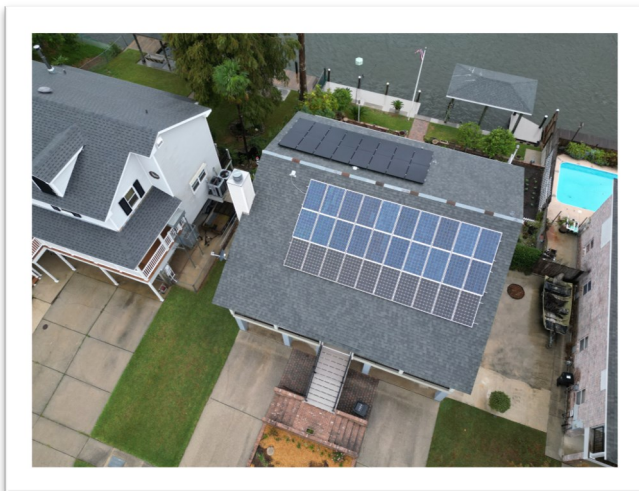
The following will need to be addressed before you begin work. IBHS is working on Ridge Tile guidance. Decorative vents much have supporting documentation. (TAS-100 A)



**Roof Vents**



**Ridge Tiles**



**Solar Panels**



**Attached Structures**



## Existing Home Issues

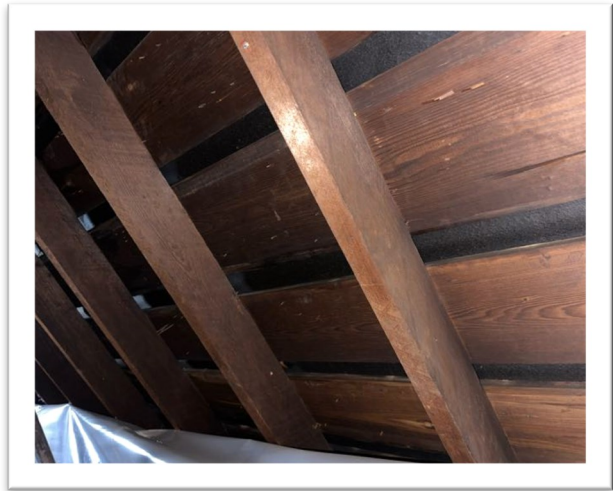
No Dry Stack Foundations

Board Lumber Gaps no more than 1/8 inch

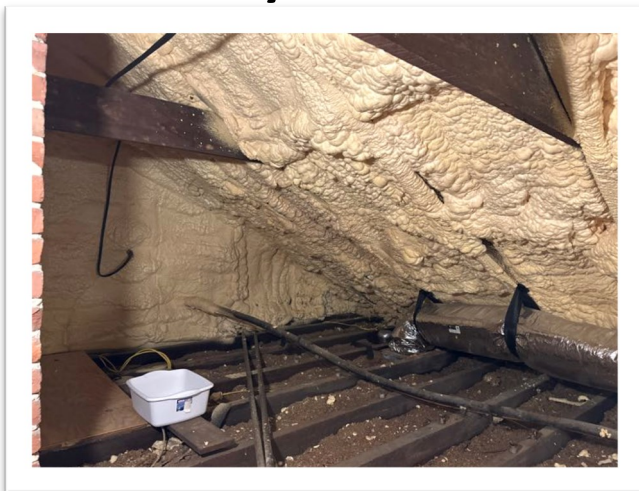
Spray Foam— Rafter Spacing 24 Inches



**Dry Stack**



**Board Lumber**



**Spray Foam**



**Rafter Spacing**



# 4 Photos of the Subject Property

4 Elevation Photos-Front-Left-Right-Rear

Showing the entire structure from Foundation to roof.



**Front**



**Left Side**



**Right Side**



**Rear**



# 4 Foundation Photos

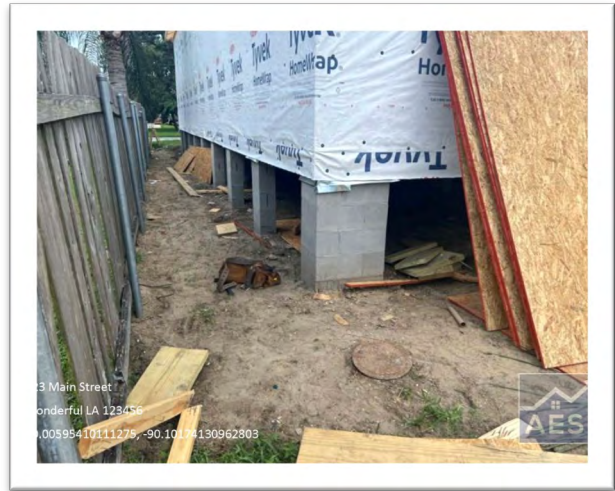
For slab on grade and stem-wall foundations, 1 photo minimum is acceptable.

For other types of foundations, such as elevated foundations, 4 photos minimum showing foundation type and any positive connections to structure are required. Photos should be close enough to clearly see connections/anchorage.

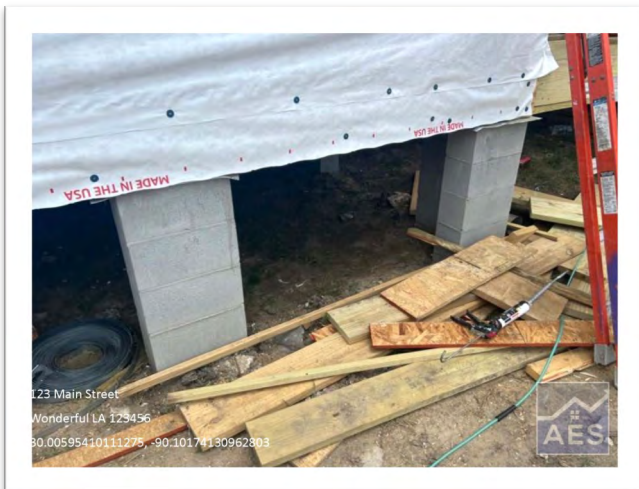
**Observation of dry-stack foundation automatically DISQUALIFIES the home**



**Foundation**



**Foundation**



**Foundation**



**Foundation**



# Verify Sealed Roof Labels

1 legible photo of each label for each approved synthetic underlayment, 30# felt, self-adhered underlayment, and/or seam tape product showing ASTM.



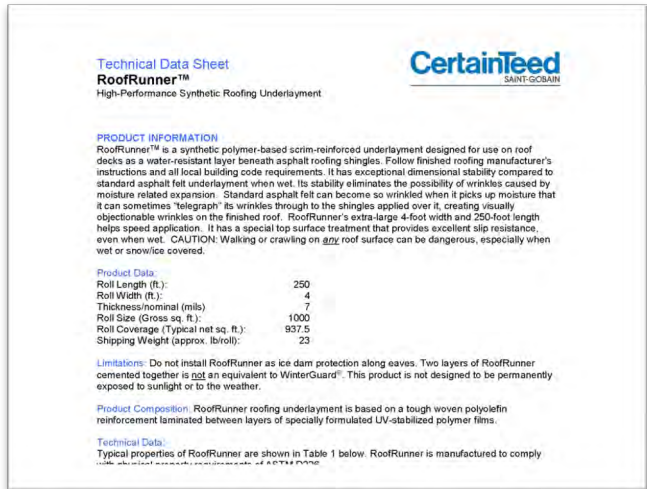
**Underlayment**



**Seam Tape**



**Self-adhered**



**Material Specs**



# 8 Photos Asphalt Shingle Roof Covers

1 photo of shingle packaging showing manufacturer and product name  
1 photo of shingle packaging showing shingle ASTM rating and class. You can also Download the spec sheet from the manufacturer.

4 photos of starter strip installation from different areas (include eave and rake)



Shingle Package



Shingle Package



Shingle Package

**Pristine Appearance. Protected Appeal.** Pinnacle® Pristine architectural shingles provide stunning color that lasts while protecting homeowner's roofs from black streaks caused by algae with Scotchgard® Protector by 3M.

Length: 43" / 1066.8 mm      Exposure: 6" / 152.4 mm  
Width: 14" / 355.6 mm      Shingles Per Bundle: 18-20

<b>FEATURES</b> Available in 17 Colors Scotchgard® Protector Class 3 Impact Rating 130 mph Wind Limited Warranty** FASTAC® Double Sealant Lines Algae Lifetime* Algae Resistance Limited Warranty Lifetime Limited Warranty** Atlas Signature Select® Eligible!	<b>ASTM</b> D7158, Class H Wind Resistance, Resist at 150 mph D6381, Uplift Resistance D3281B, Type 1 D3161, Class F, Tested at 110 mph D3462, As Manufactured E108, Class A Fire Resistance	<b>UL</b> 790, Class A Fire Resistance 2213, Class 3 Impact Resistance 2390, Class H Wind Resistance
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**CODES AND COMPLIANCES**  
Means AC-208 Criteria  
CAN/CSA-A123.5-M90  
Florida Building Code Approved – FI 16305  
Miami-Dade County Product Control Approved

**SAFETY, STORAGE AND HANDLING**  
**WARNING:** Roofing application can be dangerous. Observe all precautions and safety guidelines in accordance with proper roofing trade practices. Minimize roof traffic. Perform regular roof maintenance in appropriate weather.  
**IMPORTANT PRECAUTIONS:** Store on flat surface. Protect from weather during storage and on job site. Sealant protection tape is placed on back of each shingle and does not have to be removed before applying.  
For additional safety, storage and handling instructions go to: [AtlasRoofing.com/roof-shingles/idx](http://AtlasRoofing.com/roof-shingles/idx)

Spec-Sheet





# 4 Photos Roof Structure Members

4 photos minimum showing at least 3 exposed roof members (i.e. trusses, rafters) with tape measure between roof members to show on center spacing.



**Rafter Spacing**



**Rafter Spacing**



**Rafter Spacing**



**Rafter Spacing**



# 4 Photos Roof Deck Thickness

4 photos of sheathing type and thickness,  
i.e. plywood/OSB grade stamp or sheathing edge with tape measure.



**Roof Deck Thickness**



**Roof Deck Thickness**



**Roof Deck Thickness**



**Roof Deck Thickness**

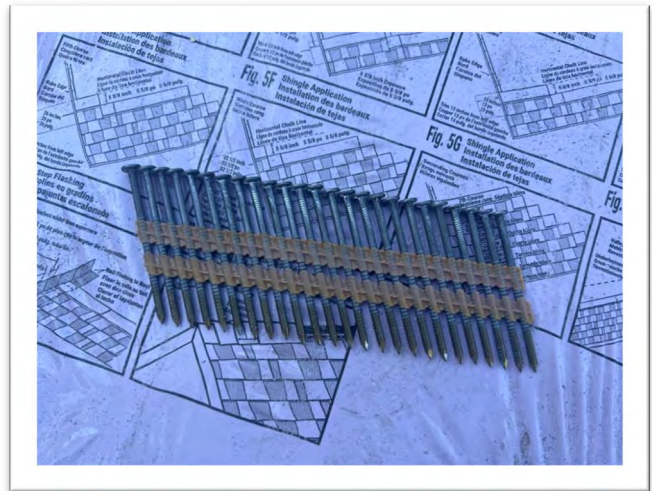


# 4 Photos Deck Fastener Type

4 photos | photo showing type of fastener used - photos must show either carton label indicating nail type and size, or full nails clearly showing ring shank with tape measure showing length (required minimum SD ring shank as specified in Section 2.6)



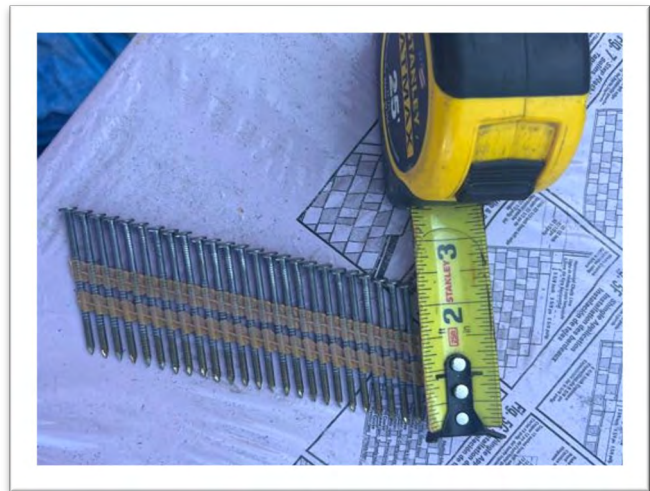
**Deck Nail Type**



**Deck Nail Type**



**Deck Nail Type**

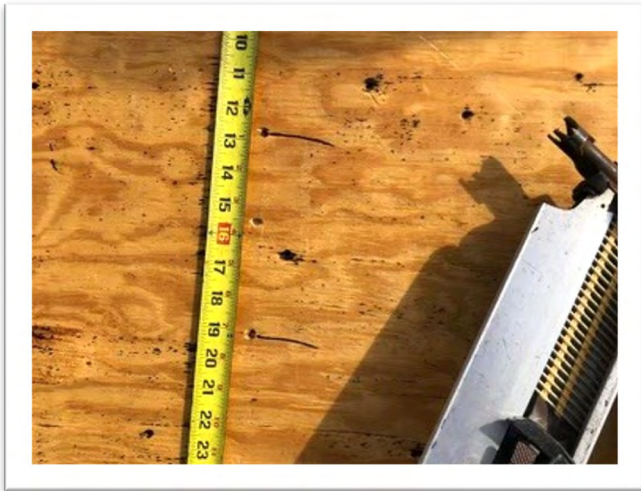


**Deck Nail Type**



# 8 Photos Roof Deck Attachment

8 total photos showing maximum nail spacing: 4 photos must be taken from above roof deck showing nail spacing 4 inches on center with tape measure in four different locations and 4 photos must be provided from 4 locations within the attic. Each photo in attic must include 2 consecutive structural roof members. (Showing shiners-nails that have missed the rafters)



**Decking Attachment**



**Decking Attachment**



**Decking Attachment**



**Decking Attachment**

# HURRICANE- NEW CONSTRUCTION ROOF DECK ATTACHMENT STRUCTURAL WOOD PANELS



**GENERAL NOTES:**

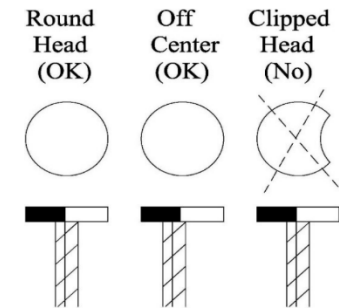
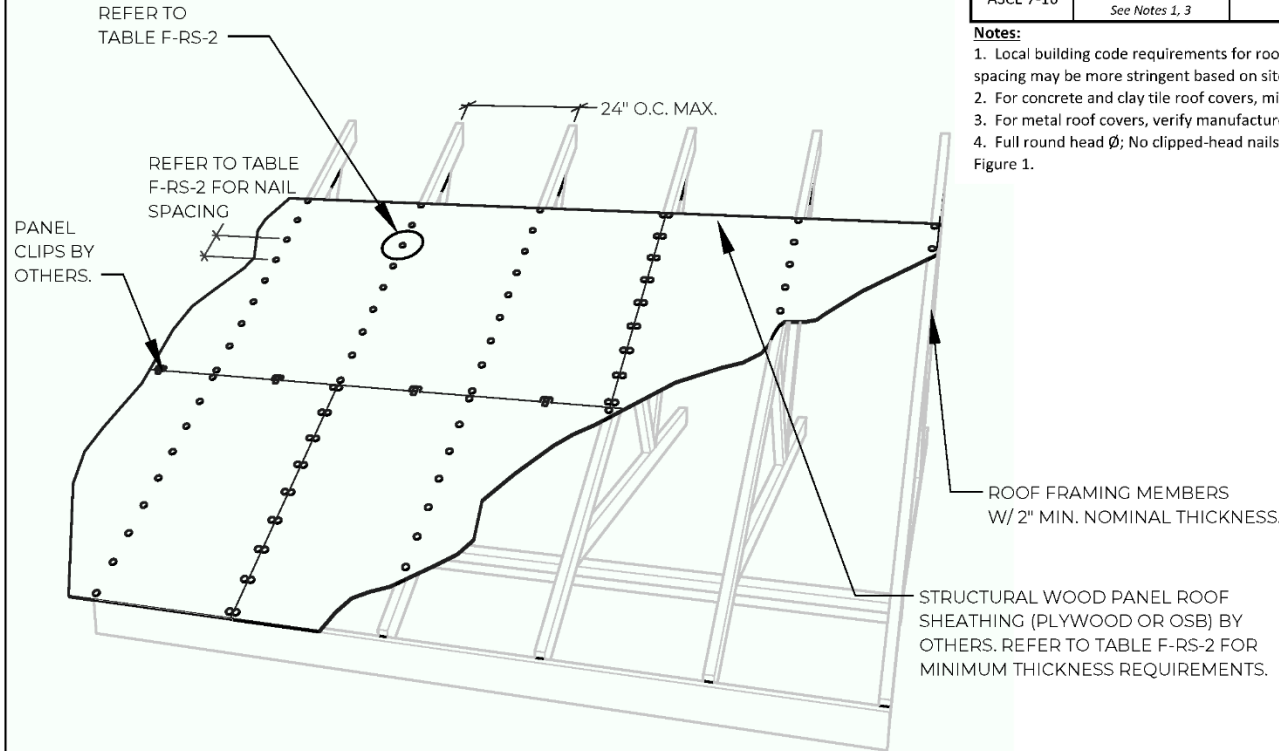
1. REFER TO APPLICABLE FORTIFIED HOME STANDARDS FOR ADDITIONAL INFORMATION.
2. FORTIFIED HOME STANDARDS ARE TO BE APPLIED IN CONJUNCTION WITH FEDERAL, STATE, AND LOCAL CODES, ORDINANCES AND REGULATIONS IN ADDITION TO THE STRUCTURAL DESIGN WHICH IS BY OTHERS. IN CASE OF A CONFLICT BETWEEN PROVISIONS, USE WHICHEVER IS MORE STRINGENT.

**Table F-RS-2: MINIMUM REQUIREMENTS FOR ROOF SHEATHING THICKNESS AND FASTENING**

ASCE Edition	Minimum Roof Sheathing Thickness <sup>1,2,3</sup>	Minimum Nail Size/Type <sup>1,4</sup>	Maximum Nail Spacing (All Roof Areas) <sup>1</sup>
ASCE 7-10	7/16" <i>See Notes 1, 2, 3</i>	RSRS-01; 0.113" dia. x 2-3/8" Roof Sheathing Ring Shank Nail	4" O.C.
ASCE 7-16	15/32" <i>See Notes 1, 3</i>		

**Notes:**

1. Local building code requirements for roof sheathing thickness and/or nail size/attachment spacing may be more stringent based on site conditions.
2. For concrete and clay tile roof covers, minimum required sheathing thickness is 15/32".
3. For metal roof covers, verify manufacturer's sheathing thickness requirements are met.
4. Full round head Ø; No clipped-head nails, common nails or staples shall be allowed. Refer to Figure 1.



**FIGURE 1.**

	<b>APPLICABLE STANDARDS:</b>	<b>DESCRIPTION:</b>	<b>DRAWING #:</b>
	FORTIFIED HOME™ - HURRICANE (2020)	HURRICANE - NEW CONSTRUCTION ROOF DECK ATTACHMENT - STRUCTURAL WOOD PANELS	F-RS-2
			<b>DATE:</b> 11/01/2020



# HURRICANE- RE-NAILING THE ROOF DECK (WOOD STRUCTURAL PANELS)



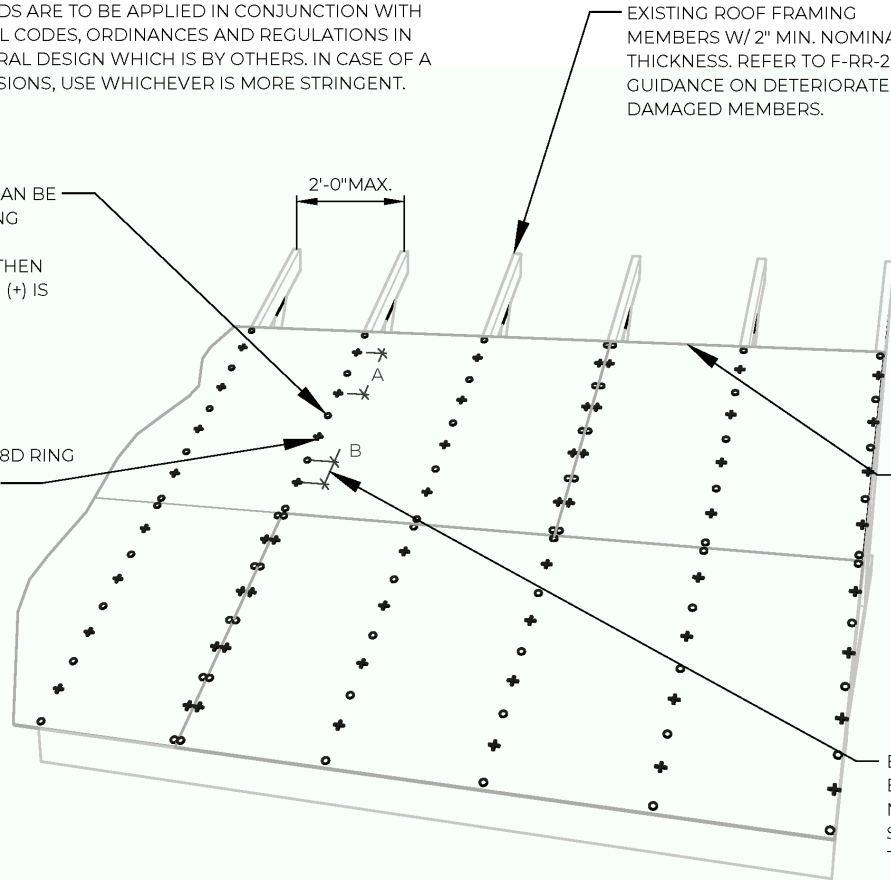
- GENERAL NOTES:**
- REFER TO APPLICABLE FORTIFIED HOME STANDARDS FOR ADDITIONAL INFORMATION.
  - FORTIFIED HOME STANDARDS ARE TO BE APPLIED IN CONJUNCTION WITH FEDERAL, STATE, AND LOCAL CODES, ORDINANCES AND REGULATIONS IN ADDITION TO THE STRUCTURAL DESIGN WHICH IS BY OTHERS. IN CASE OF A CONFLICT BETWEEN PROVISIONS, USE WHICHEVER IS MORE STRINGENT.

○ EXISTING FASTENERS; IF IT CAN BE DOCUMENTED THAT EXISTING NAILING MEETS THE REQUIREMENTS OF F-RS-2, THEN SUPPLEMENTAL FASTENING (+) IS NOT REQUIRED.

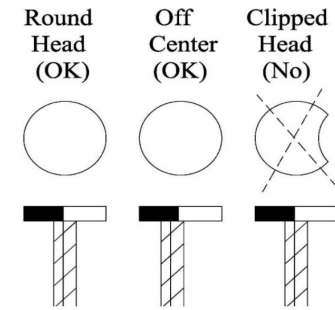
✚ ADDITIONAL 0.113" X 2-3/8" 8D RING SHANK NAILS @ = 4" O.C.

**KEY:**

- = EXISTING FASTENERS
- ✚ = ADDITIONAL FASTENERS
- A = SPACING OF ADDITIONAL FASTENERS
- B = SPACING BETWEEN EXISTING AND ADDITIONAL FASTENER



EXISTING ROOF FRAMING MEMBERS W/ 2" MIN. NOMINAL THICKNESS. REFER TO F-RR-2 FOR GUIDANCE ON DETERIORATED OR DAMAGED MEMBERS.



**FIGURE 1.**

EXISTING STRUCTURAL WOOD PANEL ROOF SHEATHING (PLYWOOD OR OSB) W/ NO DAMAGE OR DETERIORATION. REFER TO F-RR-1 FOR DAMAGED OR DETERIORATED SHEATHING. REFER TO F-RS-2 FOR SHEATHING THICKNESS REQUIREMENTS.

B: TO AVOID WOOD SPLITTING, SPACING BETWEEN NEW AND EXISTING NAILS "B" SHALL NOT BE LESS THAN 2 IN. NAILS SHALL BE STAGGERED WHEN "B" IS LESS THAN OR EQUAL TO 3 IN.

	<b>APPLICABLE STANDARDS:</b>	<b>DESCRIPTION:</b>	<b>DRAWING #:</b>
	FORTIFIED HOME™ - HURRICANE (2020)	HURRICANE - RE-NAILING THE ROOF DECK (WOOD STRUCTURAL PANELS)	F-RR-3
			<b>DATE:</b> 11/01/2020

F-RR-3

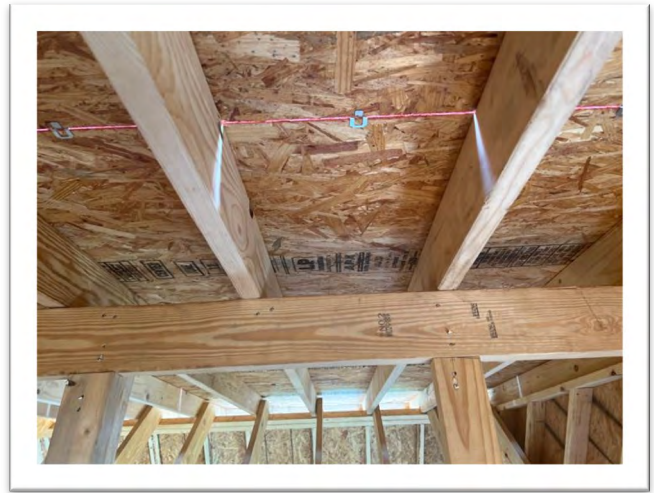


# 8 Photos Roof Deck Attachment

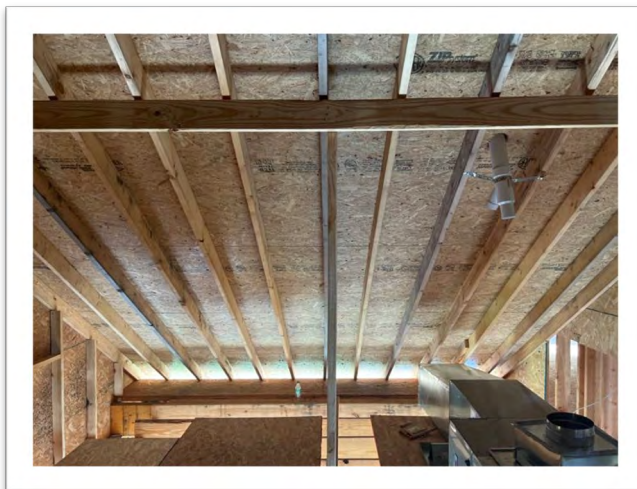
8 total photos showing maximum nail spacing: 4 photos must be taken from above roof deck showing nail spacing 4 inches on center with tape measure in four different locations and 4 photos must be provided from 4 locations within the attic. Each photo in attic must include 2 consecutive structural roof members. (Showing shiners-nails that have missed the rafters)



**Attic Rafter Photos**



**Attic Rafter Photos**



**Attic Rafter Photos**



**Attic Rafter Photos**



# 10 Photos Taped Seams and Underlayment

4 overall photos (one from each elevation) after seams are taped

4 overall photos (one from each elevation) after underlayment/anchor sheet is installed.

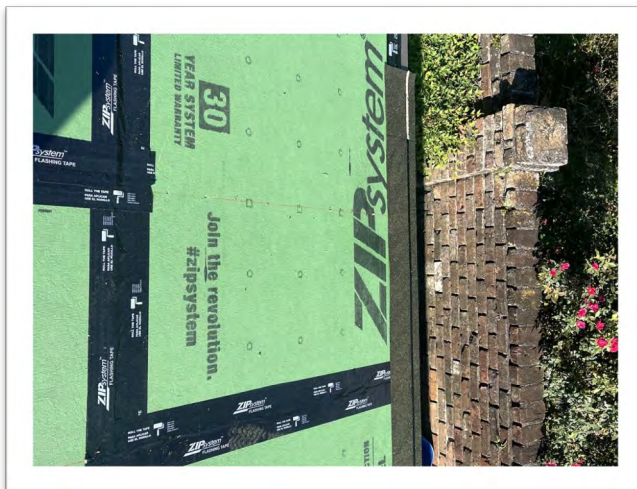
2 closer photos showing underlayment/anchor sheet nailing pattern.



**Seam Tape**



**Seam Tape**



**Seam Tape**



**Seam Tape**



# STEEP SLOPE SEALED ROOF DECK FLASHING TAPE AND UNDERLAYMENT SHINGLE OR METAL ROOF COVERS



1. GENERAL NOTES:  
REFER TO APPLICABLE FORTIFIED HOME STANDARDS FOR ADDITIONAL INFORMATION.
2. REFER TO FORTIFIED STANDARD DETAIL F-G-1 FOR CORROSION PROTECTION REQUIREMENTS.
3. APPLICABLE FOR ROOF PITCH 2:12 OR GREATER.
4. NAILS USED TO ATTACH UNDERLAYMENT SHALL BE ANNULAR RING OR DEFORMED SHANK ROOFING NAILS W/ 0.083" MINIMUM DIAMETER AND SUFFICIENT LENGTH TO PENETRATE THROUGH THE ROOF SHEATHING OR NOT LESS THAN 3/4" INTO THE ROOF SHEATHING W/ 1" DIAMETER BUTTON CAPS (METAL BUTTON CAPS ARE REQUIRED FOR ULTIMATE DESIGN WIND SPEED OF 160 MPH OR GREATER).
5. FORTIFIED HOME STANDARDS ARE TO BE APPLIED IN CONJUNCTION WITH FEDERAL, STATE, AND LOCAL CODES, ORDINANCES AND REGULATIONS IN ADDITION TO THE STRUCTURAL DESIGN WHICH IS BY OTHERS. IN CASE OF A CONFLICT BETWEEN PROVISIONS, USE WHICHEVER IS MORE STRINGENT.

FLASHING TAPE AT ALL PANEL SEAMS FULLY ADHERED W/ NO WRINKLES OR VOIDS USING ROLLER.

MATERIAL OPTION 1: 4" WIDE ASTM D1970 COMPLIANT SELF-ADHERING POLYMER-MODIFIED BITUMEN FLASHING TAPE.

MATERIAL OPTION 2: 3 - 3/4" WIDE AAMA 711-13 LEVEL 3 (FOR EXPOSURE UP TO 80°C/176°F) COMPLIANT SELF-ADHERING FLASHING TAPE.

ASTM D226 TYPE II #30 OR ASTM D4869 TYPE III OR TYPE IV #30 UNDERLAYMENT. (FOR ASPHALT SHINGLE ROOF COVERS, ASTM D6757 UNDERLAYMENT IS ALSO ACCEPTABLE)

ALT: REINFORCED SYNTHETIC ROOF UNDERLAYMENT WITH ICC APPROVAL AS ASTM D226 TYPE II;  
MINIMUM TEAR STRENGTH = 15 LBF PER ASTM D4533  
MINIMUM TENSILE STRENGTH = 20 PSF PER ASTM D5035  
PASS ASTM D4869 SHOWER TEST.  
HORIZONTAL LAPS = 4" MIN.  
END LAPS = 6" MIN.

HOLD BACK BUTTON CAPS AT EDGES TO AVOID INSTALLING DRIP EDGE OVER BUTTON CAPS. REFER TO F-DE-1 AND/OR F-DE-3 FOR DRIP EDGE INSTALLATION.

ROOF SHEATHING ; REFER TO FORTIFIED STANDARD DETAILS F-RS-1, F-RS-2, AND F-RS-3.

6" MIN. OVERLAP FOLDED OVER RIDGE ON BOTH SIDES.

4" MIN. (TYP.)

12" O.C. (MAX.)

6" O.C. (MAX.)

12" O.C. (MAX.)

6" END LAPS (TYP.)

**NOTE:** 36" WIDE SHEET SHOWN. FOR WIDER SHEETS, ADDITIONAL ROW(S) OF NAILS WILL BE NEEDED.

REFER TO GENERAL NOTE # 4. NAILS SPACED AS SHOWN OR A MORE STRINGENT FASTENER SCHEDULE IF REQUIRED BY MANUFACTURER. 6" O.C. ON ALL SIDES AND END LAPS. 12" O.C. MAX. BOTH HORIZONTALLY AND VERTICALLY BETWEEN END LAPS.



**APPLICABLE STANDARDS:**

FORTIFIED HOME™ - HURRICANE (2020)  
FORTIFIED HOME™ - HIGH WIND (2020)

**DESCRIPTION:**

STEEP SLOPE SEALED ROOF DECK - FLASHING TAPE AND UNDERLAYMENT - SHINGLE OR METAL ROOF COVERS

**DRAWING #:**

F-SRD-2

**DATE:**

11/01/2020

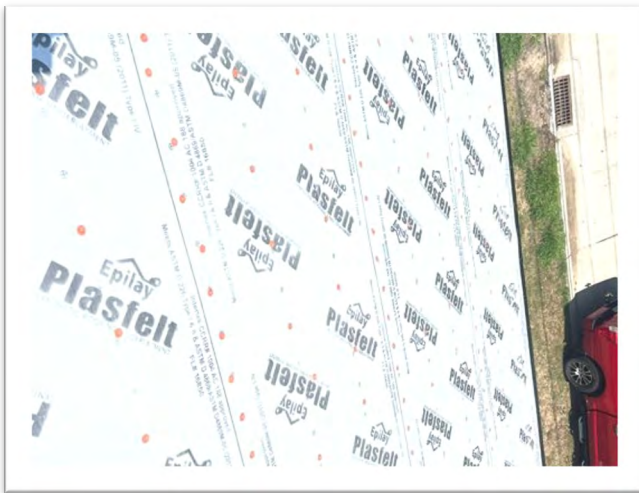


## 10 Photos Taped Seams and Underlayment

4 overall photos (one from each elevation) after seams are taped.

4 overall photos (one from each elevation) after underlayment/anchor sheet is installed. Try to capture photos from each elevation! (Not Shown)

2 closer photos showing underlayment/anchor sheet nailing pattern.



**Underlayment**



**Underlayment**



**Underlayment**



**Underlayment**

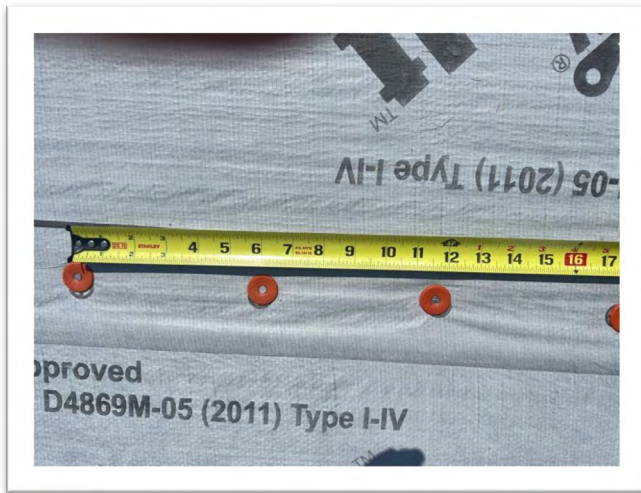


## 10 Photos Taped Seams and Underlayment

4 overall photos (one from each elevation) after seams are taped

4 overall photos (one from each elevation) after underlayment/anchor sheet is installed.

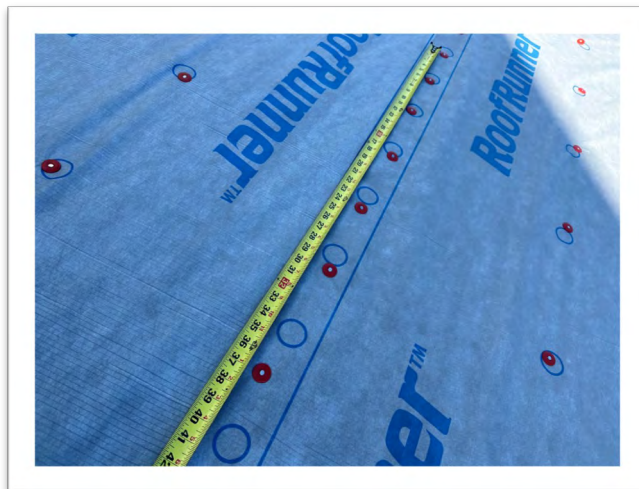
2 closer photos showing underlayment/anchor sheet nailing pattern.



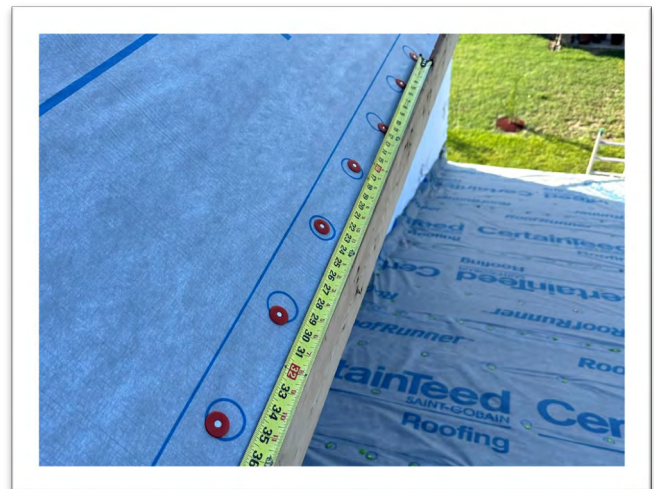
**Nailing Pattern**



**Nailing Pattern**

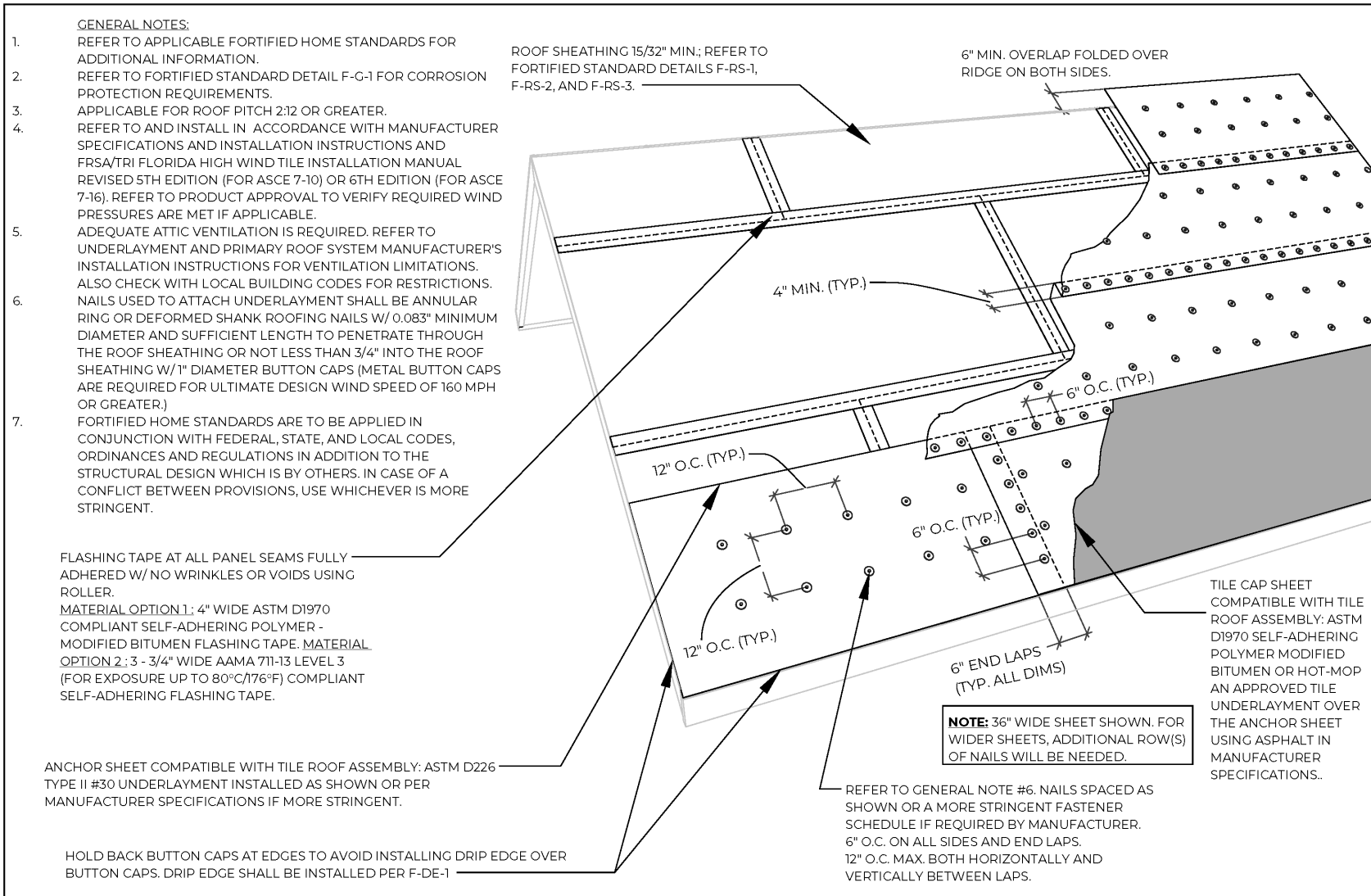



**Nailing Pattern**



**Nailing Pattern**

# STEEP SLOPE SEALED ROOF DECK FLASHING TAPE AND UNDERLAYMENT NAIL PATTERN



	<b>APPLICABLE STANDARDS:</b> FORTIFIED HOME™ - HURRICANE (2020) FORTIFIED HOME™ - HIGH WIND (2020)	<b>DESCRIPTION:</b> STEEP SLOPE SEALED ROOF DECK - FLASHING TAPE, UNDERLAYMENT AND ROOF TILE CAP SHEET - CONCRETE AND CLAY TILE ROOF COVERS	<b>DRAWING #:</b> F-SRD-5
			<b>DATE:</b> 11/01/2020



# 6 Photos 2-Ply Underlayment

4 overall photos (one from each elevation) showing installed underlayment

2 closer photos showing underlayment nailing pattern



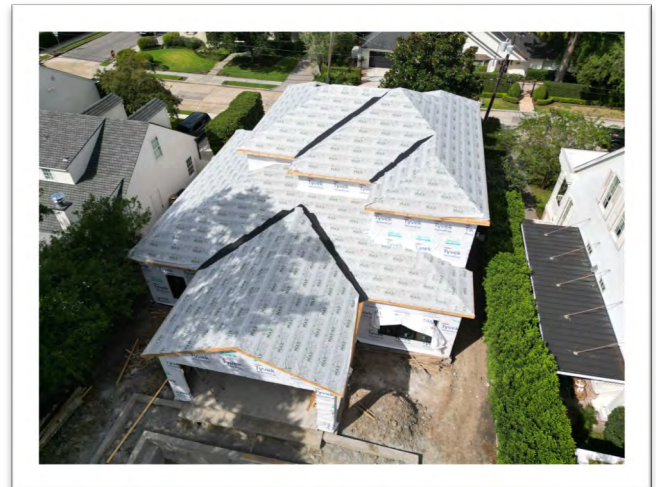
**2-Ply Underlayment**



**2-Ply Underlayment**



**2-Ply Underlayment**



**2-Ply Underlayment**



# 6 Photos 2-Ply Underlayment

4 overall photos (one from each elevation) showing installed underlayment  
2 closer photos showing underlayment nailing pattern



**2-Ply Nailing Pattern**



**2-Ply Nailing Pattern**



**2-Ply Nailing Pattern**

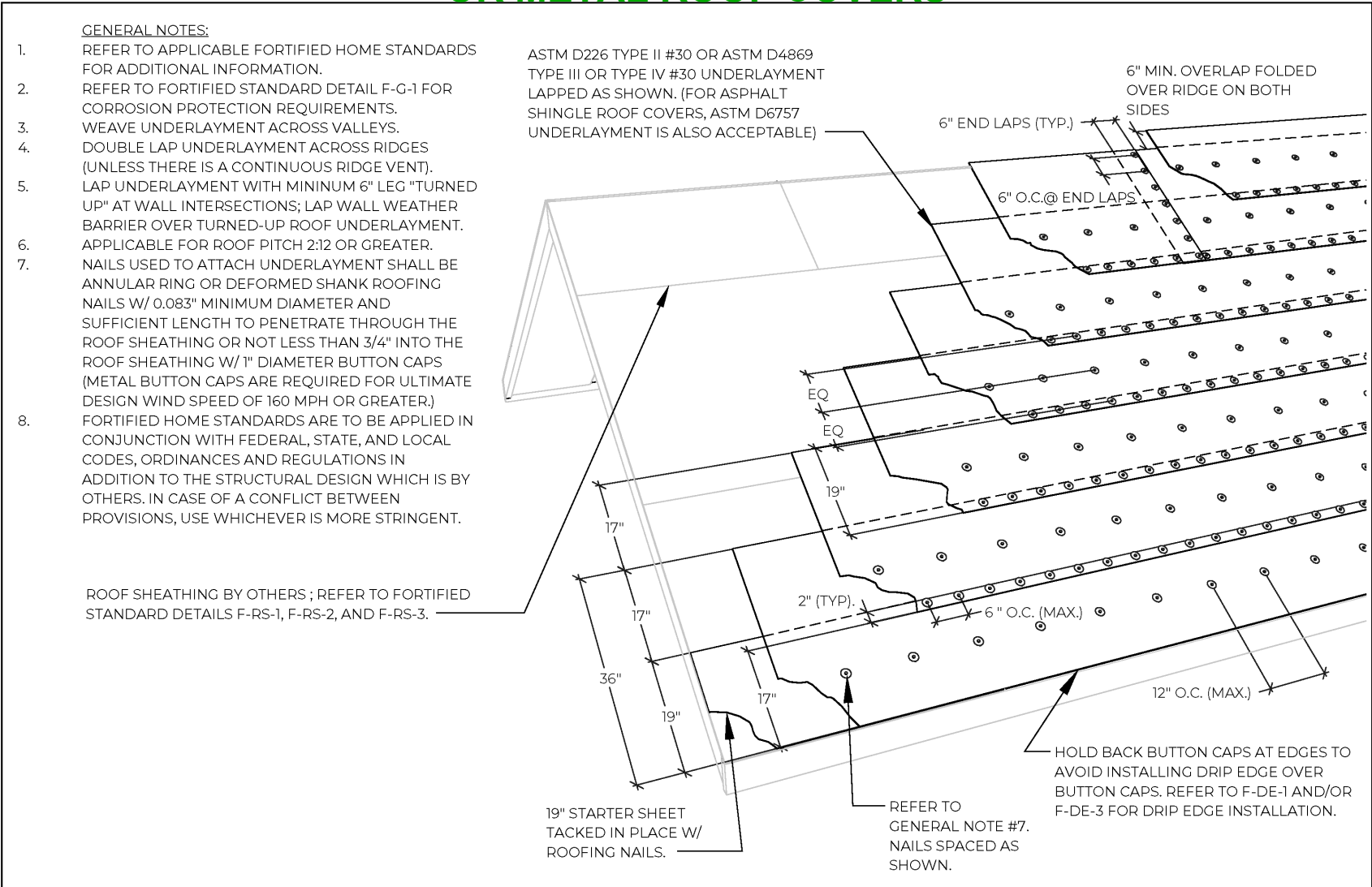


**2-Ply Nailing Pattern**

# STEEP SLOPE SEALED ROOF DECK - TWO LAYERS FELT UNDERLAYMENTSHINGLE OR METAL ROOF COVERS



**F-SRD-3**



**APPLICABLE STANDARDS:**  
FORTIFIED HOME™ - HURRICANE (2020)  
FORTIFIED HOME™ - HIGH WIND (2020)

**DESCRIPTION:**

STEEP SLOPE SEALED ROOF DECK -  
TWO LAYERS FELT UNDERLAYMENT -  
SHINGLE OR METAL ROOF COVERS

**DRAWING #:**

F-SRD-3

**DATE:**

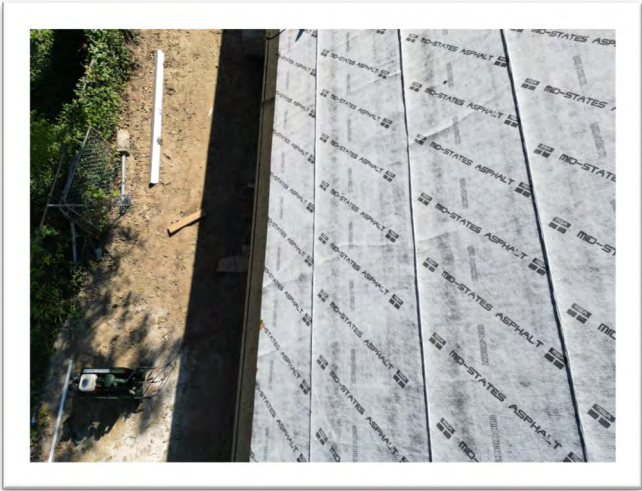
11/01/2020



# 4-8 Photos Self-Adhered Membrane

4 overall photos (one from each elevation) showing installed membrane before bond break is applied

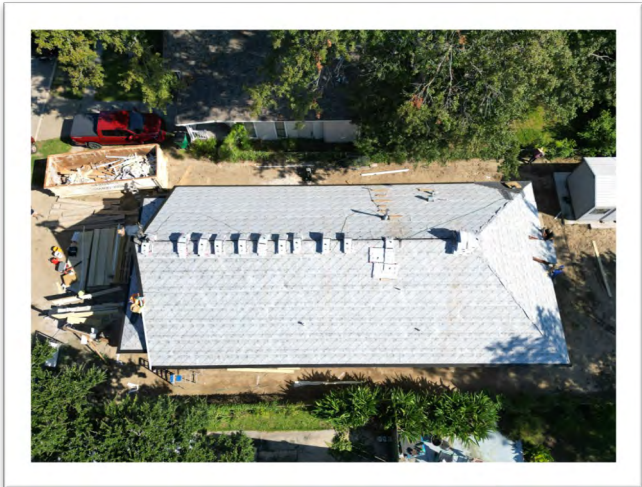
if bond break is applied, 4 photos from different eave/rake locations showing bond break held back 8" from edge.



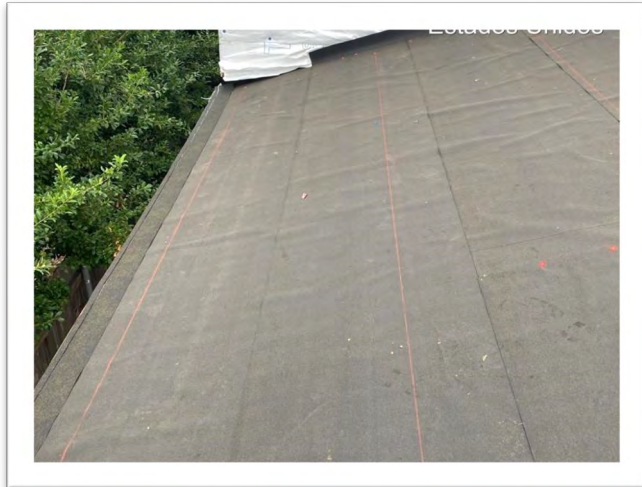
**Self-Adhered Membrane**



**Self-Adhered Membrane**



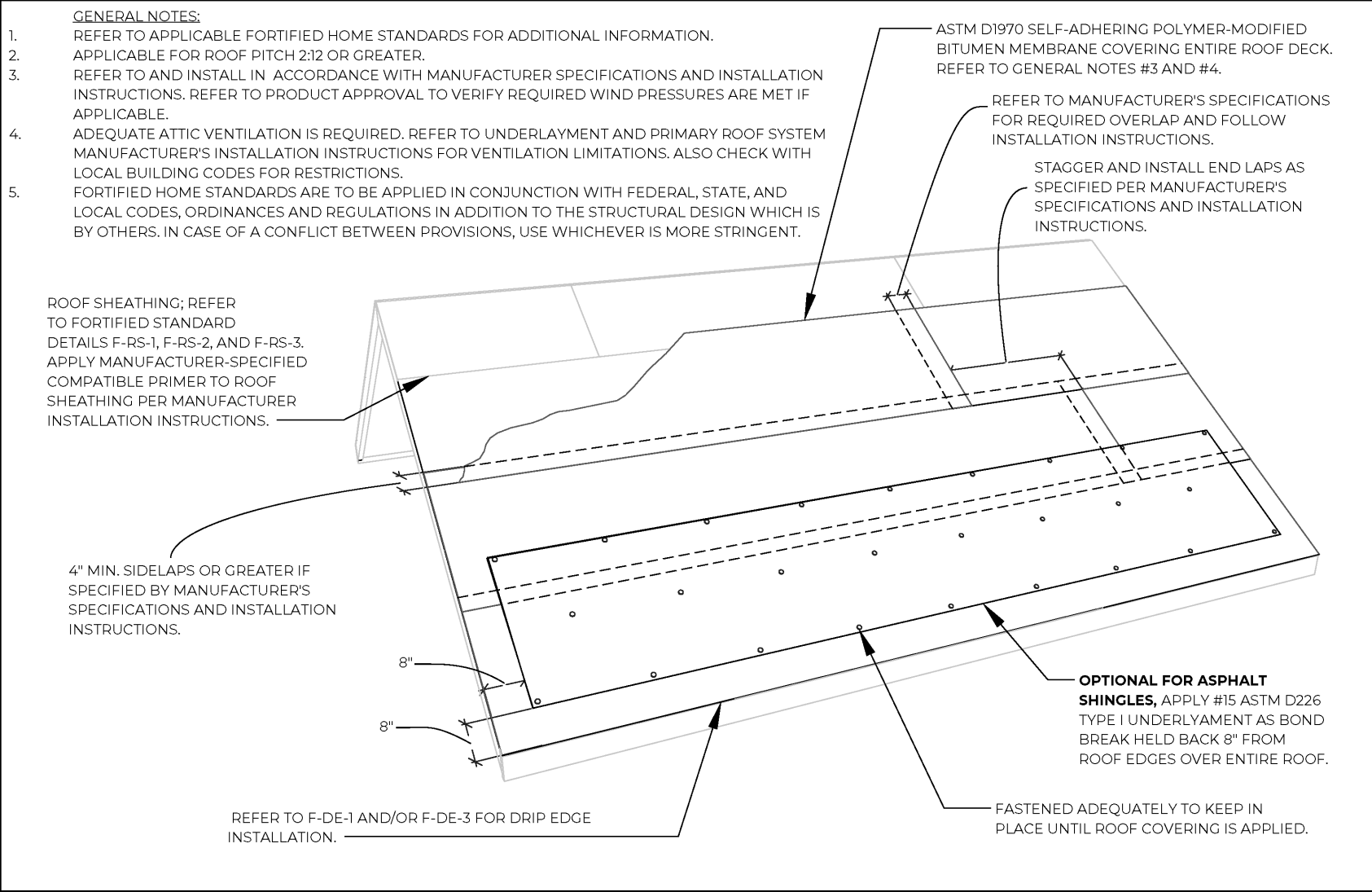
**Self-Adhered Membrane**



**Self-Adhered Membrane**



# STEEP SLOPE SEALED ROOF DECK - SELFADHERED MEMBRANE (SHOWING BOND BREAK FOR ASPHALT SHINGLES) SHINGLE AND METAL ROOF COVERS



Insurance Institute for Business & Home Safety®

**F-SRD-4**



**APPLICABLE STANDARDS:**  
FORTIFIED HOME™ - HURRICANE (2020)  
FORTIFIED HOME™ - HIGH WIND (2020)

**DESCRIPTION:**  
STEEP SLOPE SEALED ROOF DECK - SELF-ADHERED MEMBRANE (SHOWING BOND BREAK FOR ASPHALT SHINGLES) - SHINGLE AND METAL ROOF COVERS

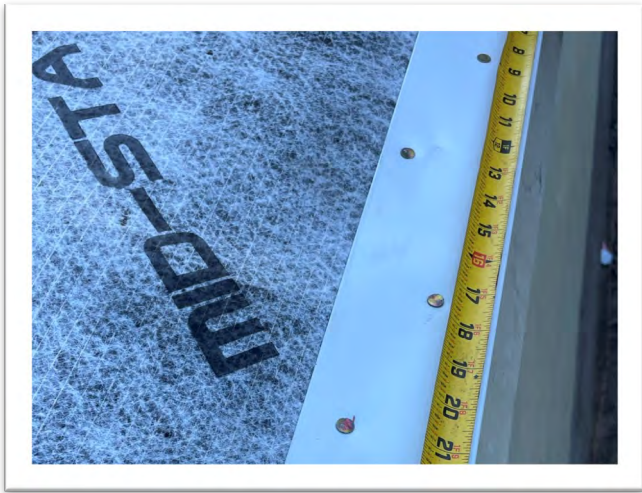
**DRAWING #:**  
F-SRD-4

**DATE:** 11/01/2020



# 4 Photos Verify Drip Edge

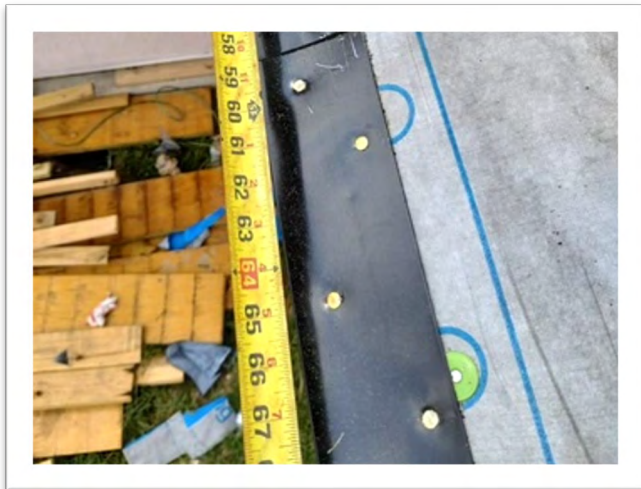
4 photos from different areas showing drip edge installation and nailing pattern. Show Tape Measure for more accurate data capture.



**Drip Edge**



**Drip Edge**



**Drip Edge**



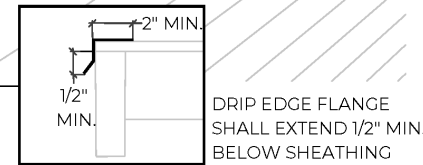
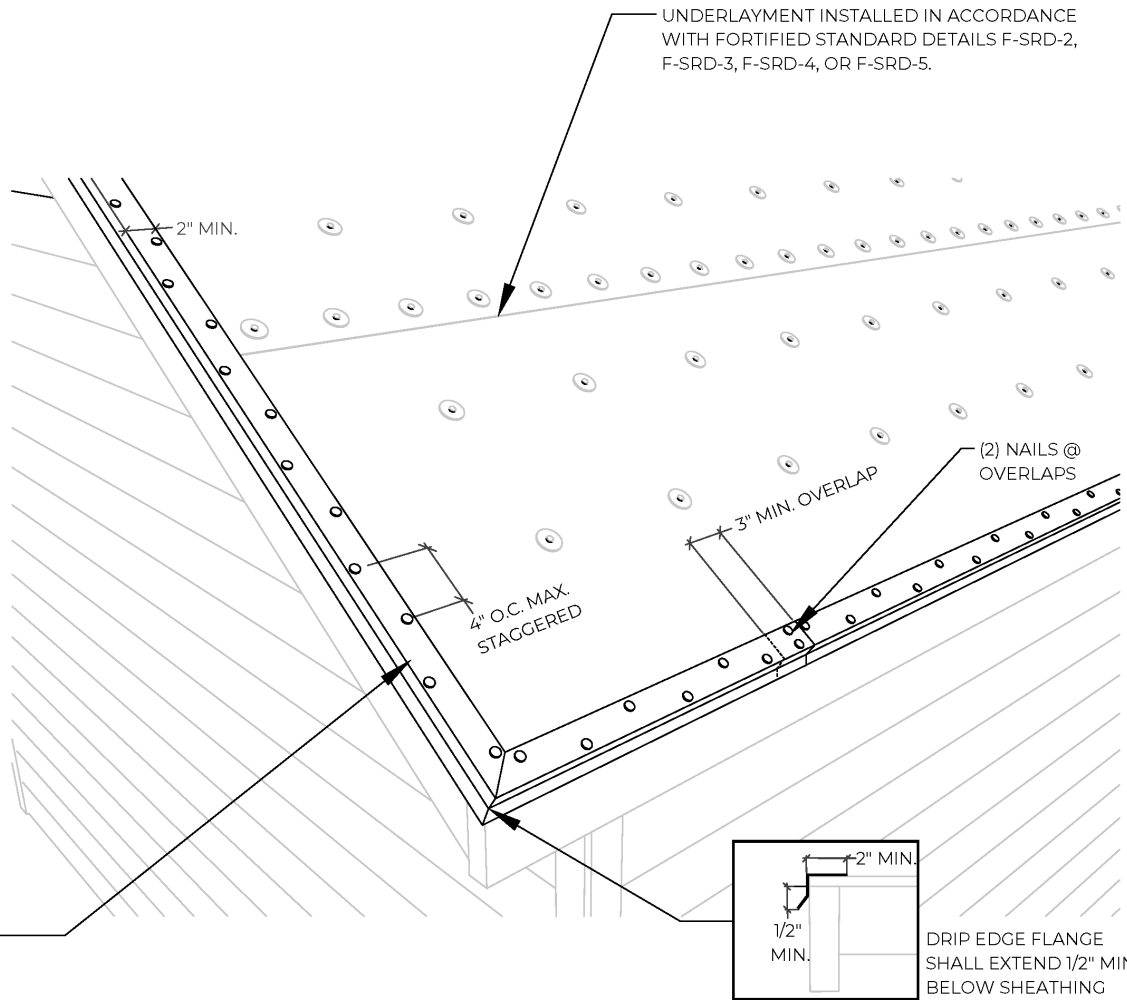
**Drip Edge**

# HURRICANE - DRIP EDGE INSTALLATION OVER UNDERLAYMENT



- GENERAL NOTES:**
- REFER TO APPLICABLE FORTIFIED HOME STANDARDS FOR ADDITIONAL INFORMATION. REFER TO FORTIFIED STANDARD DETAIL F-G-1 FOR CORROSION PROTECTION REQUIREMENTS.
  - BEST PRACTICES TO SEAL THE DRIP EDGE: SHINGLE ROOF COVERS; SEAL THE DRIP EDGE, UNDERLAYMENT AND STARTER STRIP AT THE EAVE BY EITHER USING A SELF-ADHERING STARTER STRIP OR APPLYING AN 8" WIDE LAYER OF COMPATIBLE FLASHING CEMENT WITH 1/8" MAX. THICKNESS OVER THE DRIP EDGE AND UNDERLAYMENT. FOR METAL ROOF COVERS; APPLY A COMPATIBLE MANUFACTURER-APPROVED SEALANT BETWEEN THE DRIP EDGE AND ADJACENT UNDERLAYMENT TO PREVENT WATER FROM ACCUMULATING UNDER THE DRIP EDGE OR USE A MANUFACTURER APPROVED 4" SELF-ADHERED SEAM TAPE.
  - APPLICABLE FOR ROOF PITCH 2:12 OR GREATER. FOR ROOF SLOPES LESS THAN 2:12, REFER TO MANUFACTURER'S DRIP EDGE INSTALLATION REQUIREMENTS.
  - FORTIFIED HOME STANDARDS ARE TO BE APPLIED IN CONJUNCTION WITH FEDERAL, STATE, AND LOCAL CODES, ORDINANCES AND REGULATIONS IN ADDITION TO THE STRUCTURAL DESIGN WHICH IS BY OTHERS. IN CASE OF A CONFLICT BETWEEN PROVISIONS, USE WHICHEVER IS MORE STRINGENT.

METAL DRIP EDGE (MINIMUM 26 GAUGE FOR STEEL) ALONG ALL EAVES AND GABLE RAKE EDGES INSTALLED OVER UNDERLAYMENT. MAKE SURE THE TOP SURFACE OF THE DRIP EDGE IS CLEAN, FREE OF OIL, AND IF REQUIRED BY THE STARTER STRIP MANUFACTURER, PRIMED WITH ASTM D41 PRIMER. FOR SEALING THE DRIP EDGE REFER TO GENERAL NOTE #3.



	<b>APPLICABLE STANDARDS:</b>	<b>DESCRIPTION:</b>	<b>DRAWING #:</b>
	FORTIFIED HOME™ - HURRICANE (2020)	HURRICANE - DRIP EDGE INSTALLATION OVER UNDERLAYMENT	F-DE-1
			<b>DATE:</b> 11/01/2020

F-DE-1

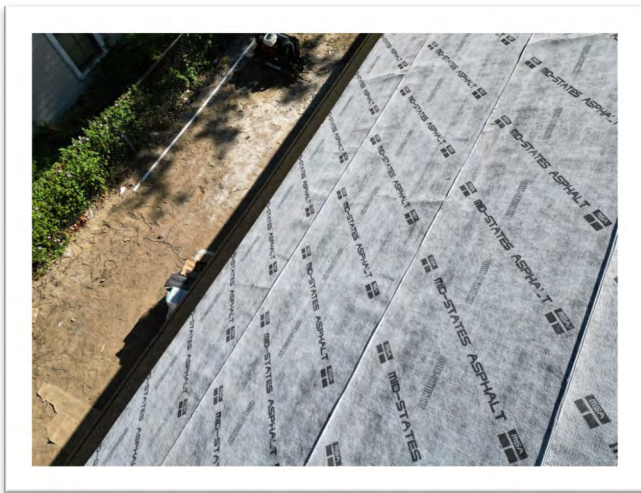


## 8 Photos Asphalt Shingle Roof Covers

1 photo of shingle packaging showing manufacturer and product name

1 photo of shingle packaging showing shingle ASTM rating and class. You can also Download the spec sheet from the manufacturer.

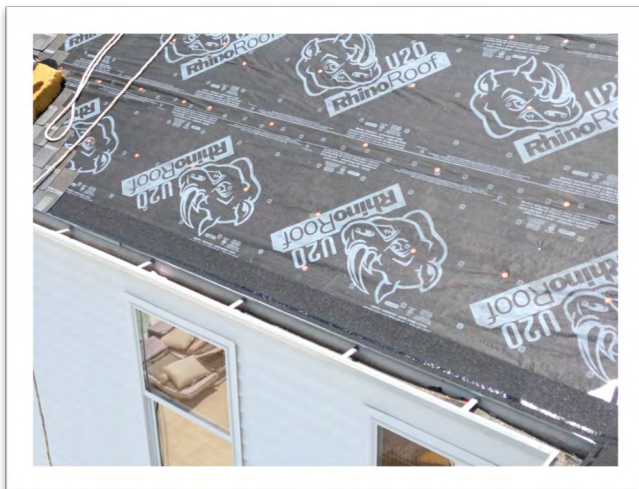
4 photos of starter strip installation from different areas (include eave and rake)



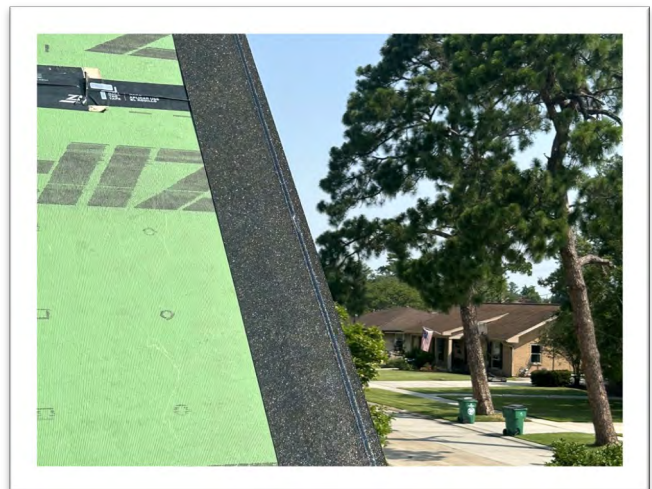
**Starter Strip**



**Starter Strip**



**Starter Strip**

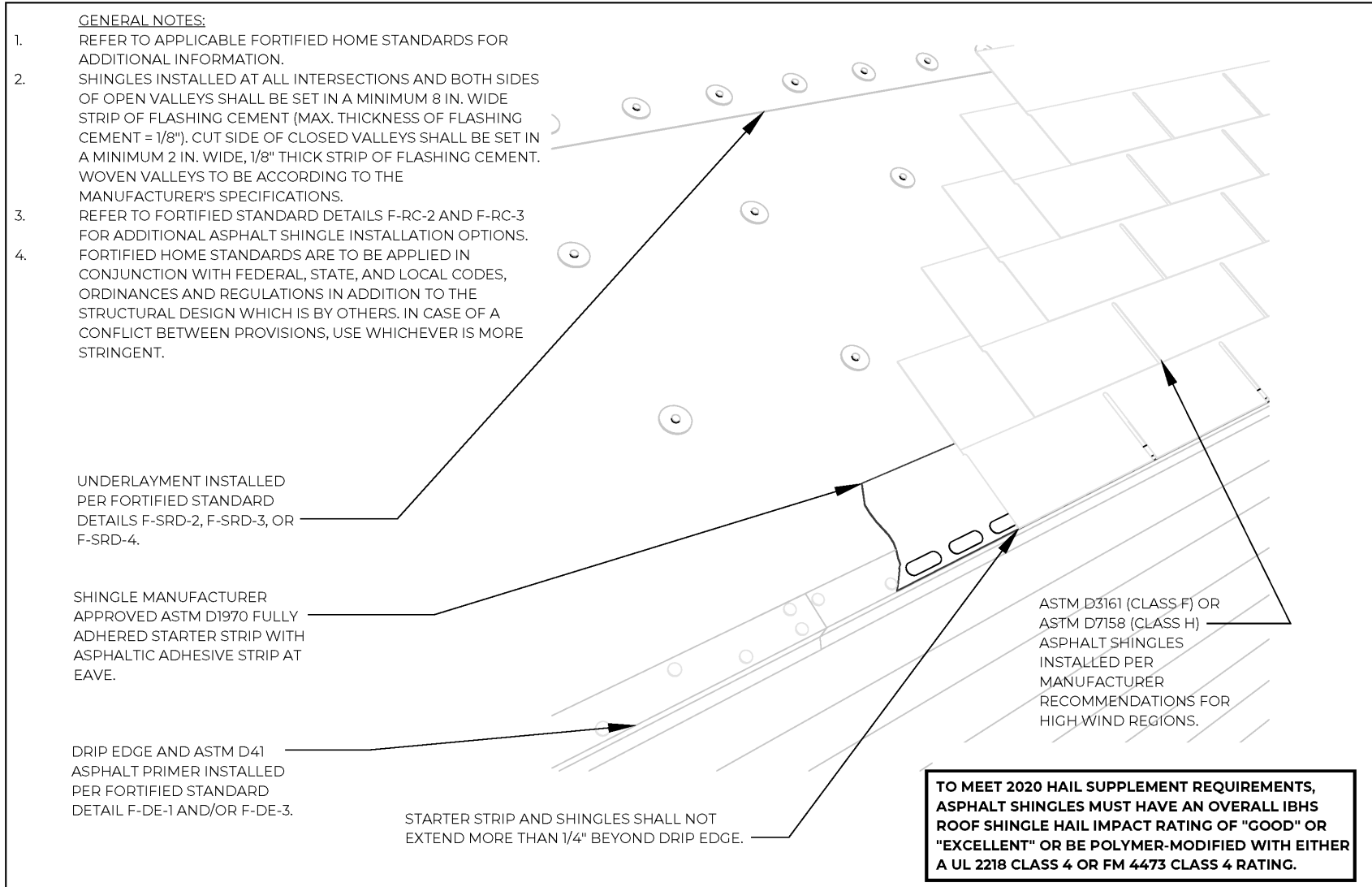


**Starter Strip**

# ASPHALT SHINGLE INSTALLATION GUIDANCE FOR STEEP SLOPE PEEL AND STICK STARTER STRIP INSTALLATION AT EAVE OR RAKE



**F-RC-1**



- GENERAL NOTES:**
- REFER TO APPLICABLE FORTIFIED HOME STANDARDS FOR ADDITIONAL INFORMATION.
  - SHINGLES INSTALLED AT ALL INTERSECTIONS AND BOTH SIDES OF OPEN VALLEYS SHALL BE SET IN A MINIMUM 8 IN. WIDE STRIP OF FLASHING CEMENT (MAX. THICKNESS OF FLASHING CEMENT = 1/8"). CUT SIDE OF CLOSED VALLEYS SHALL BE SET IN A MINIMUM 2 IN. WIDE, 1/8" THICK STRIP OF FLASHING CEMENT. WOVEN VALLEYS TO BE ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS.
  - REFER TO FORTIFIED STANDARD DETAILS F-RC-2 AND F-RC-3 FOR ADDITIONAL ASPHALT SHINGLE INSTALLATION OPTIONS.
  - FORTIFIED HOME STANDARDS ARE TO BE APPLIED IN CONJUNCTION WITH FEDERAL, STATE, AND LOCAL CODES, ORDINANCES AND REGULATIONS IN ADDITION TO THE STRUCTURAL DESIGN WHICH IS BY OTHERS. IN CASE OF A CONFLICT BETWEEN PROVISIONS, USE WHICHEVER IS MORE STRINGENT.

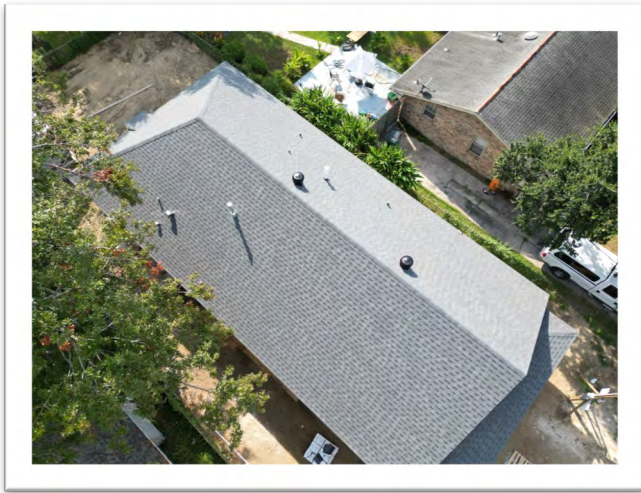
**TO MEET 2020 HAIL SUPPLEMENT REQUIREMENTS, ASPHALT SHINGLES MUST HAVE AN OVERALL IBHS ROOF SHINGLE HAIL IMPACT RATING OF "GOOD" OR "EXCELLENT" OR BE POLYMER-MODIFIED WITH EITHER A UL 2218 CLASS 4 OR FM 4473 CLASS 4 RATING.**

	<p><b>APPLICABLE STANDARDS:</b></p> <p>FORTIFIED HOME™ - HURRICANE (2020) FORTIFIED HOME™ - HIGH WIND (2020)</p>	<p><b>DESCRIPTION:</b></p> <p>ASPHALT SHINGLE INSTALLATION GUIDANCE FOR STEEP SLOPE - OPTION 1: PEEL AND STICK STARTER STRIP INSTALLATION AT EAVE OR RAKE</p>	<p><b>DRAWING #:</b></p> <p style="text-align: center;">F-RC-1</p>
			<p><b>DATE:</b></p> <p style="text-align: center;">11/01/2020</p>

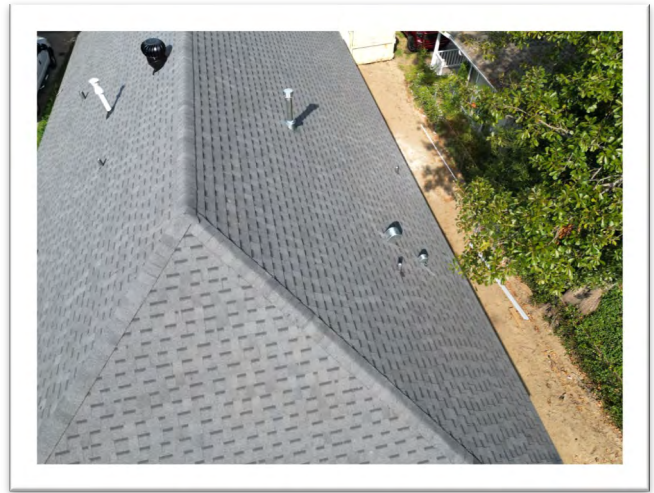


## 4 Photos Verify Roof Cover Rating and Attachment

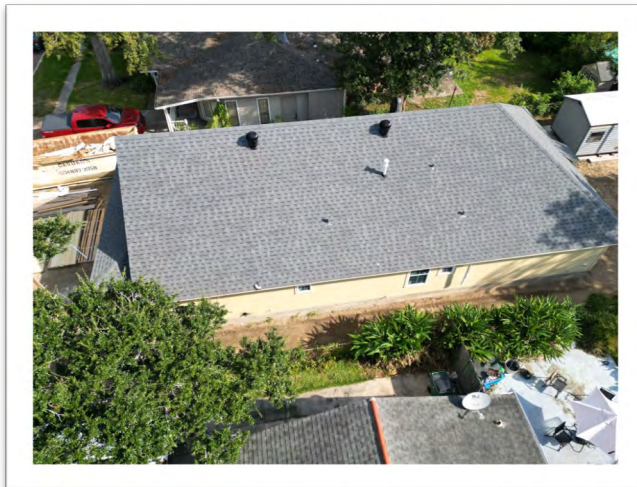
**Documentation for all roof covers:** Minimum roof slope for all roof cover types present on the home. Some examples of how roof slope can be documented are by holding a T-square up to the roof eave to show "rise over run", by placing an inclinometer on the roof and photographing the reading, or by using a mobile app to measure and including a photo capture of the results. **Documentation for all roof covers:** 4 finished elevation photos from each side of the home showing installed roof cover.



**Roof Cover**



**Roof Cover**



**Roof Cover**



**Roof Cover**