



ROOF DATA SHEET

Permit # _____

Contractor Name: _____

Job Address: _____

ROOF CATEGORY

Shingle

Metal

Tile

Other

Tile Application (FRSA/TRI Florida High Wind Concrete and Clay Tile Installation Manual) 6th EDITION

Re-roofing

Recovering

Repair (provide description of repair below)

Flat Roof Area _____ Sloped Roof Area _____ Total _____
(indicate if the area is in square feet (sq ft) or squares (sqs) for the measurements used above)

NOTE: ADDING A SKYLIGHT REQUIRES A SEPARATE SKYLIGHT PERMIT

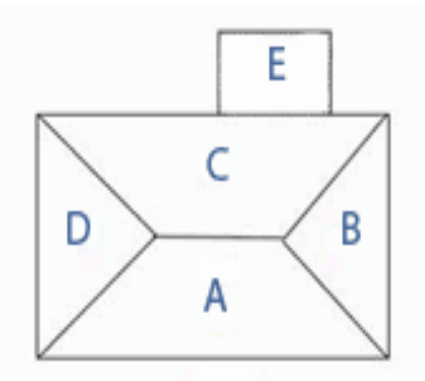
Skylight Replacement

YES

NO

Product Approval FL/NOA _____

ROOF SYSTEM DETAILS (Please have only relevant areas checked)



FRONT



A



B



C



D



E

Provide Product Approvals FL or NOA below

Dry-In _____

90# _____

Final Product(s) _____

Location of Dryer Vent

A

B

C

D

Side of House

Product Approvals are required to be onsite.

Per FBC Existing Section 706.1.1 Not more than 25 percent of the total roof area or roof section of any existing building or structure shall be repaired, replaced or recovered in any 12 month period unless the entire roofing system or roof section conforms to requirements of this code.

Section 110 of the Florida Building Code has the list of required inspections and it is expected all inspections will take place. It is imperative that ALL INSPECTIONS ARE SCHEDULED, CONDUCTED AND APPROVED before moving onto the next step.



FBC Existing Building, section 706.7.1.2 Roof sheathing fastening for site-built single family residential structures. For site-built single family residential structures the fasteners and spacing required in Table 706.7.1.2 are deemed to comply with the requirements of the 2017 Florida Building Code, Existing Building

Supplemental fasteners as required by Table 706.7.1.2 shall be 8d ring shank nails with round heads and the following minimum dimensions:

1. 0.113 inch nominal shank diameter
2. Ring diameter of 0.012 over shank diameter
3. 16 to 20 rings per inch
4. 0.280 inch full round head diameter
5. Ring shank to extend a minimum of 1 ½" from the tip of the nail.
6. Minimum 2-1/4 inch nail length

**TABLE 706.7.1.2
SUPPLEMENT FASTENERS AT PANEL EDGES AND INTERMEDIATE FRAMING**

EXISTING FASTENERS	EXISTING SPACING	V _{wind} ^c 110 MPH OR LESS SUPPLEMENTAL FASTENER SPACING SHALL BE NO GREATER THAN	V _{wind} ^c GREATER THAN 110 MPH SUPPLEMENTAL FASTENER SPACING SHALL BE NO GREATER THAN
Staples or 6d	Any	6" o.c. ^b	6" o.c. ^b
8d clipped head, round head, smooth or ring shank	6" o.c. or less	None necessary	None necessary
8d clipped head, round head, smooth or ring shank	Greater than 6" o.c.	6" o.c. ^a	6" o.c. ^a

For SI: 1 inch = 25.4 mm.

a. Maximum spacing determined based on existing fasteners and supplemental fasteners.

b. Maximum spacing determined based on supplemental fasteners only.

c. V_{wind} shall be determined in accordance with Section 1609.3.1 of the *Florida Building Code, Building* or Section R301.2.1.3 of the *Florida Building Code, Residential*.

Effective 1/1/2021:

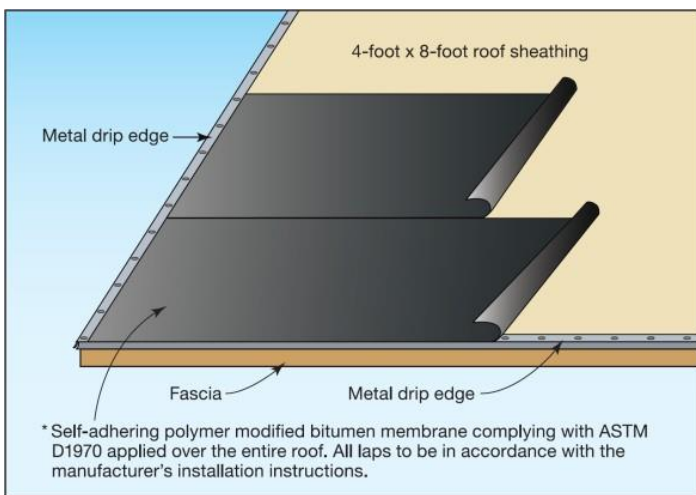
Update to underlayment requirements in the 7th Edition (2020) FBC-Building and FBC-Residential:

A sealed roof deck (SRD) is required.

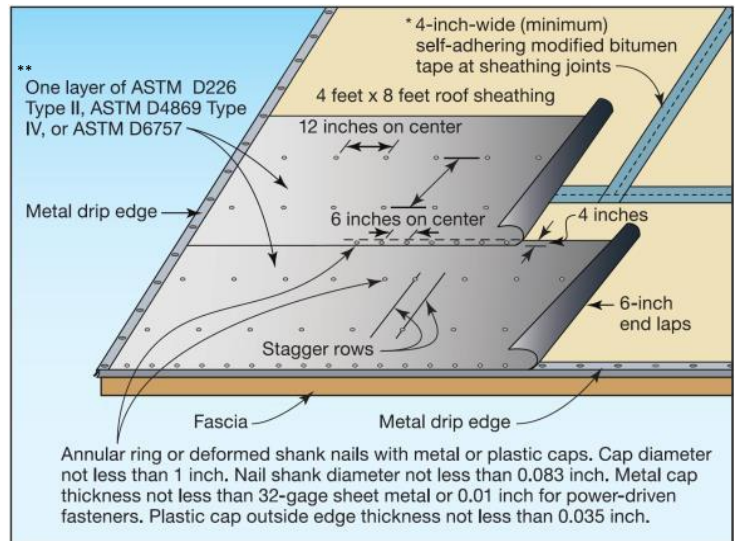
- where felt underlayment is used, it must be 30# or equivalent (ASTM D 226 Type II, ASTM D4869 Types III or IV)
- installation techniques such as number of plies, lapping, and fastener spacing has been strengthened
- For concrete and clay roof tile, underlayment is required to be in accordance with the FRSA/TRI *Florida High Wind Concrete and Clay Roof Tile Installation Manual, 6th edition*.

For asphalt, metal, mineral surfaced, slate and slate-type roof coverings, there are essentially **three options** for creating a sealed roof deck that vary a bit depending on the type of roof covering. A summary of the three options available is as follows:

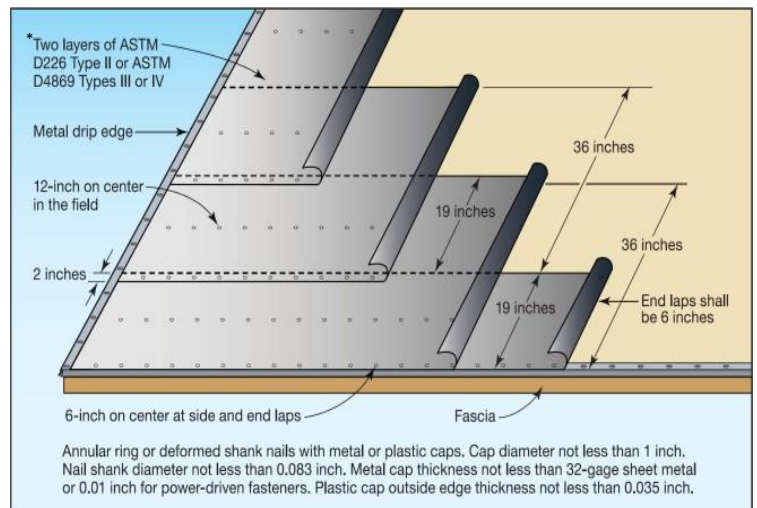
Option #1 – a self-adhering polymer-modified bitumen underlayment complying with ASTM D1970 applied over the entire roof.



Option #2 – a minimum 4-inch wide strip of self-adhering polymer-modified bitumen complying with ASTM D1970 or a minimum 3 ¾ - inch wide strip of self-adhering flexible flashing tape complying with AAMA 711, applied over all joints in the roof decking. A felt underlayment complying with ASTM D226 Type II, ASTM D4869 Type III or IV, or ASTM D6757, or a synthetic underlayment meeting the performance requirements specified, is required to be applied over the strips/tape over the entire roof. (See Table 1507.1.1.1 of the FBCB or Table R905.1.1.1 of the FBCR for fastener type and spacing).



Option #3 – two layers of felt underlayment comply ASTM D226 Type II or ASTM D4869 Type III or IV, or two layers of a synthetic underlayment meeting the performance requirements specified, lapped and fastened as specified.



Minimum sheathing thickness for framing spaced 24 inches on center based on exposure category and wind speed:

Roof Sheathing Thickness	
Rafter/Truss Spacing 24 in. o.c.	Wind Speed
	160 mph
Minimum Sheathing Thickness, inches (Panel Span Rating) Exposure B	19/32 (40/20)
Minimum Sheathing Thickness, inches (Panel Span Rating) Exposure C	19/32 (40/20)
Minimum Sheathing Thickness, inches (Panel Span Rating) Exposure D	19/32 (40/20)

While ring shank nails are still required, the nail size depends on the sheathing thickness. Where the sheathing thickness is 15/32 inches and less, roof sheathing is required to be fastened with ASTM

F1667 RSRS-01 (2 3/8" × 0.113") nails. Where the sheathing thickness is greater than 15/32 inches, roof sheathing is required to be fastened with ASTM F1667 RSRS-03 (2 1/2" × 0.131") nails or ASTM F1667 RSRS-04 (3" × 0.120") nails. The RSRS designation indicates the fastener is a ring shank roof sheathing nail.

Maximum fastener spacing based on framing specific gravity, exposure category, and wind speed:

Roof Sheathing Attachment		
Rafter/Truss Spacing 24 in. o.c.	Wind Speed	
	160 mph	
	Edge	Field
Exposure B		
Rafter/Truss SG = 0.42	4	4
Rafter/Truss SG = 0.49	6	6
Exposure C		
Rafter/Truss SG = 0.42	4	4
Rafter/Truss SG = 0.49	6	6
Exposure D		
Rafter/Truss SG = 0.42	3	3
Rafter/Truss SG = 0.49	4	4