

## Technical Bulletin FH 2023-11

First Release:  
October 20, 2023

Prepared by:  
FORTIFIED Technical Team

**Applicable Standards:**  
FORTIFIED Home™—Hurricane  
FORTIFIED Home™—High Wind

**Applicable Designation Level:**



# Underlayment Fastening for Taped Seams and Underlayment Sealed Roof Deck Installations Using Rolls Wider Than 36 Inches

## Introduction

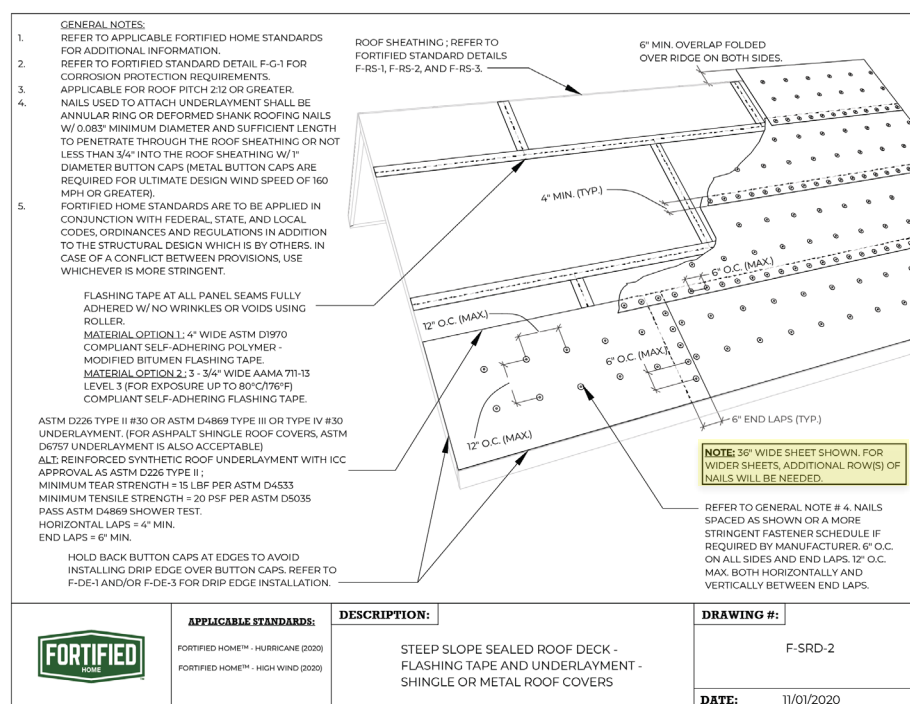


FIGURE 1 – Standard Detail F-SRD-2 illustrates flashing tape and underlayment installation for shingle and metal roof covers on a steep slope.

The number of rows of cap nails required for mechanically attaching underlayment is determined by the width of the roll being used. The taped seams and underlayment sealed roof deck method detailed in section 4.4.1.1 of the [2020 FORTIFIED Home™ Standard](#) and in [Standard Detail F-SRD-2](#) (Figure 1), states cap nails must be installed *not greater than 6 inches apart at the laps and no greater than 12 inches apart between the laps (both horizontally and vertically)*.

For 36-inch rolls as shown in F-SRD-2, two rows of cap nails between laps are required to meet the 12" spacing requirement. For wider rolls, which are more commonly being used, additional rows of cap nails are needed between the laps to meet the minimum 12-inch spacing.



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- Underlayment rolls that are 48-inch wide require 3 rows of cap nails to be installed between the laps at 12 inches o.c. and 6 inches o.c. at the laps.
- An additional row of button caps must be added for each 1-foot increase in roll width. Refer to Figures 2, 3 and 4 for additional guidance.

This Technical Bulletin provides additional clarification and illustrative guidance regarding cap nail placement for F-SRD-2 sealed roof deck installations using 40 - 42-inch, 48-inch, and 60-inch-wide rolls.

## Guidance for 40-Inch to 42-Inch-Wide Rolls

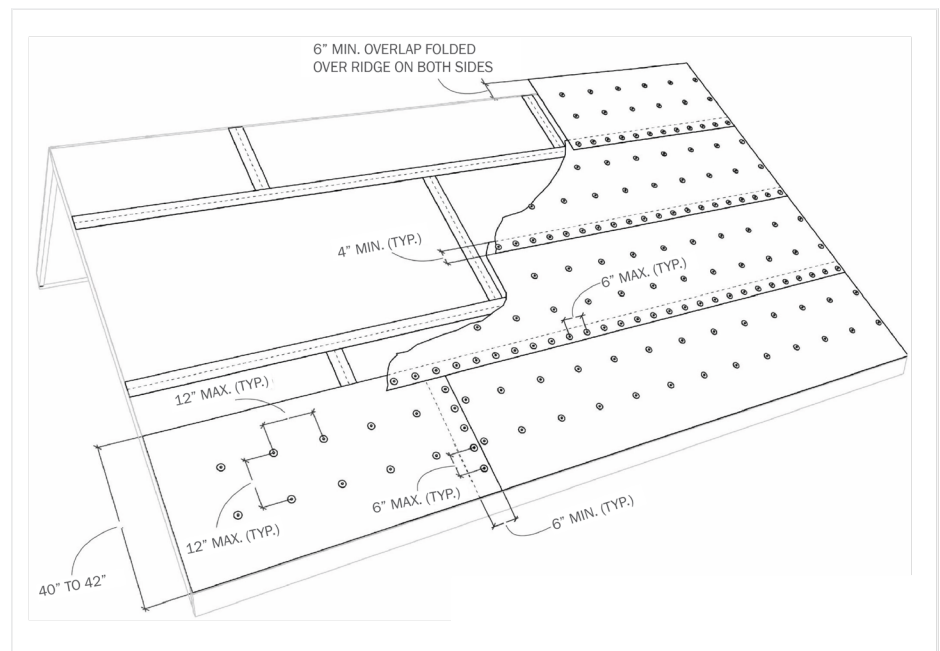


FIGURE 2 – Cap nail placement for F-SRD-2 sealed roof deck installation using 40 – 42-inch rolls.

For F-SRD-2 sealed roof deck installations using 40-in to 42-inch underlayment rolls, the required cap nail spacing is shown in Figure 2. Note that two rows of cap nails are required between end laps.

- All end and side laps must be fastened 6 inches o.c.
- Two (2) rows of cap nails must be installed between the laps at 12 inches o.c.



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## Guidance for 48-Inch-Wide Rolls

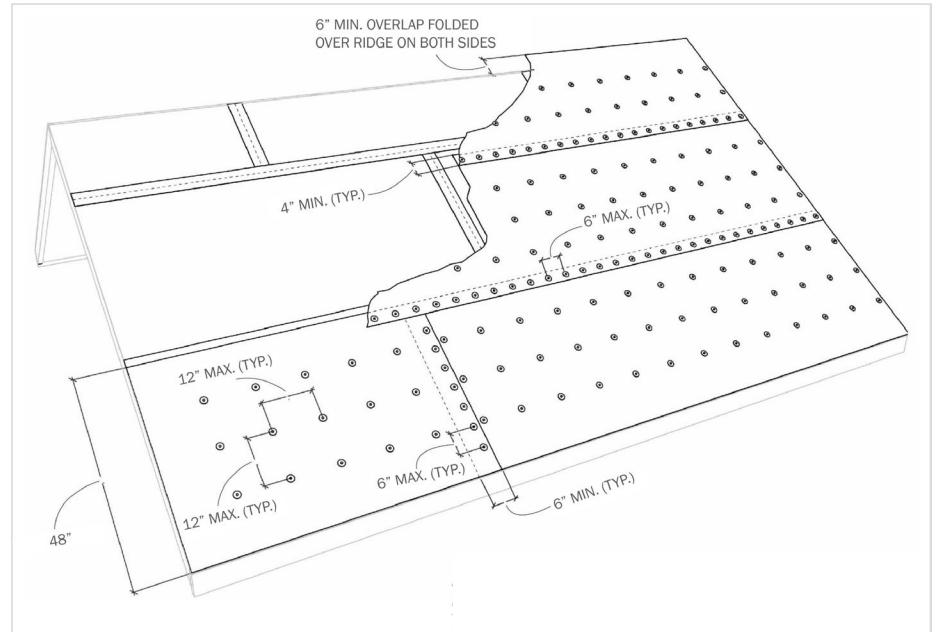


FIGURE 3 – Cap nail placement for F-SRD-2 sealed roof deck installation using 48-inch rolls.

For F-SRD-2 sealed roof deck installations using 48-inch underlayment rolls, the required cap nail spacing is shown in Figure 3. Note that three rows of cap nails are required between end laps.

- All end and side laps must be fastened 6 inches o.c.
- Three (3) rows of cap nails must be installed between the laps at 12 inches o.c.



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## Guidance for 60-Inch-Wide Rolls

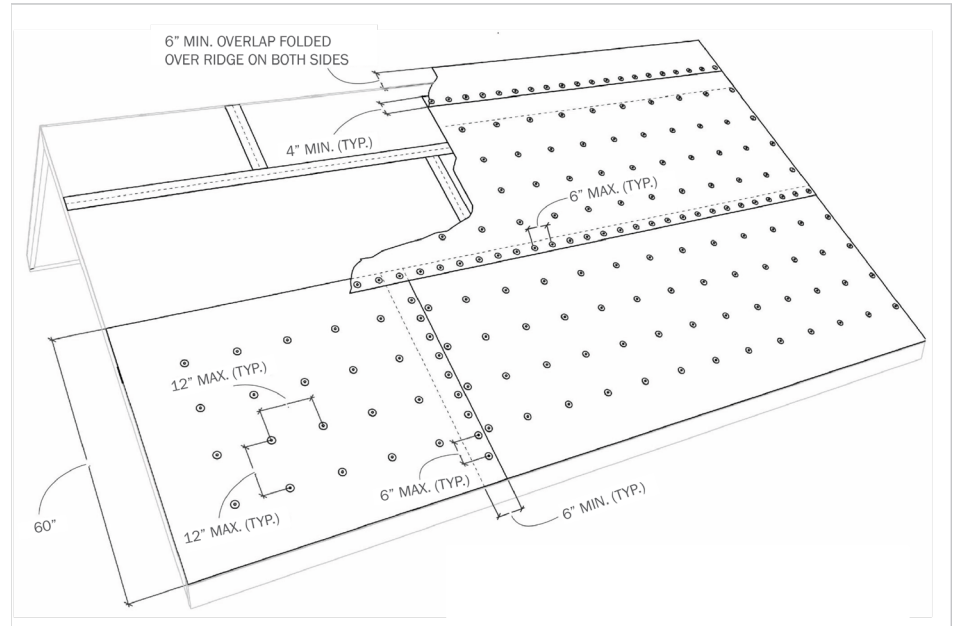


FIGURE 4 – Cap nail placement for F-SRD-2 sealed roof deck installation using 60-inch rolls.

For F-SRD-2 sealed roof deck installations using 60-inch underlayment rolls, the required cap nail spacing is shown in Figure 4. Note that four rows of cap nails are required between end laps.

- All end and side laps must be fastened 6 inches o.c.
- Four (4) rows of cap nails must be installed between the laps at 12 inches o.c.

## Compliance Verification Requirements

Refer to the [Documentation Checklist](#) and provide the required photos for the taped seams and underlayment sealed roof deck method.

## Additional References

IBHS created companion details illustrating Figures 3, 4, and 5. These can be downloaded and shared for field use.

Refer to: [F-SRD-Companion Details for Roll Widths Greater than 36 Inches](#)

