# FORTIFIED Home™ Standard Details Table of Contents

## Roof Only Set

*For Use with 2020 FORTIFIED Home Standard*

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<td>Roof and Wall Zone Diagram</td>
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<td>Roof Deck Attachment - Sawn Lumber or Wood Board Roof Deck with No Gaps</td>
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<td>F-RS-2</td>
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<td>F-SRD-1</td>
<td>Roof Deck Attachment and Sealed Roof Deck from Within Using Spray Foam</td>
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<td>F-SRD-2</td>
<td>Steep Slope Sealed Roof Deck - Flashing Tape and Underlayment - Shingle or Metal Roof Covers</td>
<td>✓ ✓ ✓</td>
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<tr>
<td>F-SRD-3</td>
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<td>✓ ✓ ✓</td>
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<td>F-SRD-4</td>
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<td>✓ ✓ ✓</td>
</tr>
<tr>
<td>F-SRD-5</td>
<td>Steep Slope Sealed Roof Deck - Flashing Tape, Underlayment and Roof Tile Cap Sheet - Concrete and Clay Tile Roof Covers</td>
<td>✓ ✓ ✓</td>
</tr>
<tr>
<td>F-SRD-6</td>
<td>Steep Slope Sealed Roof Deck - Self-Adhered Membrane - Concrete and Clay Tile Roof Covers</td>
<td>✓ ✓ ✓</td>
</tr>
<tr>
<td>F-DE-1</td>
<td>Hurricane - Drip Edge Installation Over Underlayment</td>
<td>✓ ✓ ✓</td>
</tr>
<tr>
<td>F-DE-2</td>
<td>DISCONTINUED IN 2020</td>
<td>N/A N/A N/A</td>
</tr>
<tr>
<td>F-DE-3</td>
<td>High Wind - Drip Edge Installation Over Underlayment</td>
<td>✓ ✓ ✓</td>
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<td>F-RC-1</td>
<td>Asphalt Shingle Installation Guidance for Steep Slope - Option 1: Peel and Stick Starter Strip Installation at Eave or Rake</td>
<td>✓ ✓ ✓</td>
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<tr>
<td>F-RC-2</td>
<td>Asphalt Shingle Installation Guidance for Steep Slope - Option 2: Shingle Strip Starter Installation at Eave or Rake</td>
<td>✓ ✓ ✓</td>
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<tr>
<td>F-RC-3</td>
<td>Asphalt Shingle Installation Guidance for Steep Slope - Option 3: Shingles Set Directly in Flashing Cement at Rake Only</td>
<td>✓ ✓ ✓</td>
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<tr>
<td>F-RR-1</td>
<td>Re-Roofing Deck Replacement Fastening Detail</td>
<td>✓ ✓ ✓</td>
</tr>
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<td>F-RR-2</td>
<td>Re-Roofing New Scab Member Detail for Damaged or Deteriorated Wood Framing Member</td>
<td>✓ ✓ ✓</td>
</tr>
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<td>F-RR-3</td>
<td>Hurricane - Re-Nailing the Roof Deck (Wood Structural Panels)</td>
<td>✓ ✓ ✓</td>
</tr>
<tr>
<td>F-RR-4</td>
<td>High Wind - Re-Nailing the Roof Deck (Wood Structural Panels)</td>
<td>✓ ✓ ✓</td>
</tr>
<tr>
<td></td>
<td><strong>NEW FOR 2020</strong></td>
<td></td>
</tr>
<tr>
<td>F-RR-5</td>
<td>Fastening Wood Structural Panel Roof Sheathing Over Existing 1x Roo Deck Boards with Gaps</td>
<td>✓ ✓ ✓</td>
</tr>
<tr>
<td>F-GS-1</td>
<td>Temporary Gable Vent Shuttering</td>
<td>✓ ✓ ✓</td>
</tr>
</tbody>
</table>
FORTIFIED Home™ Standard Details Naming Convention

FORTIFIED Home™ Standard Detail numbers are comprised of three alphanumeric identifications to provide general categorization:

1. **First alphabetic identification – FORTIFIED Detail:**
   - **F** = FORTIFIED

2. **Second alphabetic identification – Secondary Category**
   - **G** = General Information
   - **RS** = Roof Sheathing
   - **SRD** = Sealed Roof Deck
   - **DE** = Drip Edge
   - **RC** = Roof Cover
   - **RR** = Re-Roof
   - **GS** = Gable Shuttering
   - **GE** = Gable End
   - **S** = Soffit
   - **CTD** = Chimney Tie Down

3. **Numeric identification – chronological order detail was completed**

   *Example: F-RS-1*

   *Fortified Detail ➔ Roof Sheathing Detail ➔ First Detail in this category*
# FORTIFIED Home™

## Corrosion Protection Requirements for Fasteners & Connectors in Coastal Regions

For all connections described in this table: if corrosion is observed at time of re-designation, designation may not be renewed.

### Requirements & Best Practices for FORTIFIED Roof™ Designations

<table>
<thead>
<tr>
<th>REQUIREMENTS</th>
<th>BEST PRACTICES</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ROOF CONNECTIONS</strong></td>
<td><strong>Distance to saltwater shoreline(^2)</strong></td>
</tr>
<tr>
<td>Roofing nails for shingles</td>
<td>0-300 ft</td>
</tr>
<tr>
<td>Concrete and clay roof tile fasteners</td>
<td>Category A</td>
</tr>
<tr>
<td>Roof vent fasteners</td>
<td>Follow manufacturer’s corrosion resistance guidance for coastal areas. If not provided by manufacturer, the following corrosion resistance categories may be accepted for exposed fasteners and clips</td>
</tr>
<tr>
<td>Metal roof system including panels and exposed fasteners, clips, etc.</td>
<td>Category A</td>
</tr>
<tr>
<td>Fasteners used for attachment of underlayment to roof deck</td>
<td>Category A (or better)</td>
</tr>
<tr>
<td>Roof-mounted equipment exposed connections and fasteners</td>
<td>Category A</td>
</tr>
</tbody>
</table>

### Requirements and Best Practices for FORTIFIED Silver™ and FORTIFIED Gold™ Designations

<table>
<thead>
<tr>
<th>REQUIREMENTS</th>
<th>BEST PRACTICES</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>EXTERIOR EXPOSED CONNECTIONS</strong> (including under soffits and elevated foundations)</td>
<td><strong>Distance to saltwater shoreline(^2)</strong></td>
</tr>
<tr>
<td>Silver:</td>
<td>0-300 ft</td>
</tr>
<tr>
<td>• Softil fasteners</td>
<td>Category A</td>
</tr>
<tr>
<td>• Exposed attached structure connectors, anchors, fasteners</td>
<td>Aluminum Soffits NOT Allowed</td>
</tr>
<tr>
<td>Gold: Exposed CLP connectors, anchors, fasteners</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>REQUIREMENTS</th>
<th>BEST PRACTICES</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>INTERIOR CONNECTIONS</strong> (including enclosed in attic or within wall cavity)</td>
<td><strong>Distance to saltwater shoreline(^2)</strong></td>
</tr>
<tr>
<td>Silver:</td>
<td>0-300 ft</td>
</tr>
<tr>
<td>• Gable bracing metal connectors and fasteners</td>
<td>Category B (or better)</td>
</tr>
<tr>
<td>• Gable outlooker hangers, clips and fasteners</td>
<td>Category C (or better)</td>
</tr>
<tr>
<td>• Chimney framing metal connectors and fasteners</td>
<td></td>
</tr>
<tr>
<td>Gold: Enclosed CLP connectors, anchors, fasteners</td>
<td>Category C (or better)</td>
</tr>
</tbody>
</table>

### Corrosion Resistance Categories\(^2,3\)

**CATEGORY A - STAINLESS STEEL OR EQUIVALENT**

- **Metal connectors:** Stainless steel per ASTM A316
- **Fasteners:** Stainless steel per ASTM A304 or A316
- **Proprietary coated fasteners require documentation of equivalent corrosion protection performance to stainless steel, such as equivalence testing per ICC-ES AC257 Exposure Condition 4, or other comparative testing documentation**

**CATEGORY B - ENHANCED GALVANIZED OR EQUIVALENT**

- **Metal connectors:** Galvanized per ASTM A653 with G185 coating
- **Fasteners with diameters over 3/8 in.:** Hot-dip galvanized per ASTM A123
- **Fasteners with diameters up to 3/8 in., shall meet one of the following:**
  - Hot-dip galvanized per ASTM A153 Class D
  - Galvanized per ASTM A641 Class 3
  - Per ASTM G85, Annex 5, Corrosion resistance exhibiting not more than 5% red rust after the following:
    - for nails: 280 hours
    - for roof tile fasteners: 1000 hours
    - for other carbon steel fasteners: 360 hours
- **In lieu of testing listed above, proprietary coated fasteners require documentation of equivalent or superior corrosion protection performance to the galvanization options listed above, such as equivalence testing per ICC-ES AC257 Exposure Condition 4, or other comparative testing documentation**

**CATEGORY C - STANDARD GALVANIZED**

- **Metal connectors:** Galvanized per ASTM A653 with G90 coating
- **Fasteners:** Galvanized per ASTM A641 Class 1
- **In lieu of testing listed above, proprietary coated fasteners require documentation of equivalent or superior corrosion protection performance to the galvanization options listed above, such as equivalence testing per ICC-ES AC257 Exposure Condition 4, or other comparative testing documentation**
- **Testing per ASTM B117 with corrosion resistance exhibiting not more than 5% red rust after 1,000 hours exposure may be accepted if no other testing is available**

### Notes

1. For the purposes of FORTIFIED Home designation, “saltwater shoreline” shall be considered as the ocean or gulf coastline along the mainland United States including seaward island coastlines. This includes the Atlantic, Pacific, and Gulf of Mexico coastlines, as well as the coastline of any Bay or Sound with no land barrier separating it from being completely open to the ocean or Gulf of Mexico. Distances are measured from the closest feature of the subject building to the ocean or gulf coastline.
2. Fastener and connector materials and coatings must be compatible with materials and coatings they come into contact with to prevent galvanic corrosion due to dissimilar materials.
3. Fasteners in contact with chemically treated wood shall be in accordance with the requirements of the IBC/IRC or locally adopted code as applicable.

Effective November 1, 2021
CABPS
OR WOOD BOARD ROOF DECK WITH NO
ROOF DECK ATTACHMENT - SAWN LUMBER

DIAMETER AND LENGTH
MEMBERS (MIN. LENGTH OF NAIL = 2 1/2"
PEEN TRANSITION INTO ROOF FRAMING
3(2) 0.31" Ø MIN. W/ 1 5/8"
MEMBERS (MIN. LENGTH OF NAIL = 2 1/2"
TWO) 0.31" Ø MIN. W/ 1 5/8"

LARGER THAN 8"
UP TO 8"

MEMBER IT CROSSES
(ROOF DECKING) WIDTH
WOOD BOARD/LUMBER
NUMBER AND MINIMUM DIMENSIONS OF
ATTACHMENT

THICKNESS
W/2 MIN. NOMINAL
ROOF FRAMING MEMBERS

BOARD ROOF DECK BY OTHERS.
MINIMUM 5/8 SAWN LUMBER OR WOOD

NOTE: CLIPPED HEAD, ROUND HEAD OR ROUND-HEAD NAILS SHALL BE
ACCEPTABLE PROVIDED THEY HAVE THE REQUIRED MINIMUM
PROVISIONS, USE WHICHEVER IS MORE STRINGENT.
STRUCTURAL DESIGN WHICH IS BY OTHERS IN CASE OF A CONFLICT BETWEEN
STATE AND LOCAL CODES, ORDINANCES AND REGULATIONS IN ADDITION TO THE
FORFUIED HOME STANDARDS ARE TO BE APPLIED IN CONJUNCTION WITH FEDERAL
APPLICABLE FOR SHINGLE OR METAL ROOF COVERS.
REFER TO APPLICABLE FORFUIED HOME STANDARDS FOR ADDITIONAL INFORMATION.

GENERAL NOTES

BOARD WIDTH
2 4 0. C. MAX.

REF TO TABLE F-RS:1 FOR REQUIRED
SIZE AND NUMBER OF NAILS.

PAGE 3 OF 3 FORWOOD ROOF DECK WITH NO F-RS:1
ROOF DECK ATTACHMENT - SAWN LUMBER

DATE: 1/07/2020
DRAWING #: F-RS:1

FORFUIED HOME - HIGH WIND (2020)
FORFUIED HOME - HIGH WIND (2020)
STUCTRAL WOOD PANELS
ROOF DECK ATTACHMENT
HIGH WIND - NEW CONSTRUCTION

DRAWING #

DESCRIPTION:

APPLICABLE STANDARDS

CONFLICT BETWEEN PROVISIONS, USE WHICHEVER IS MORE STRIGENT.
ADDITION TO THE STRUCTURAL DESIGN WHICH IS OTHERS IN CASE OF A
FEDERAL STATE AND LOCAL CODES, ORGANIZATIONS AND REGULATIONS IN
FORTIFIED HOME STANDARDS ARE TO BE APPLIED IN CONSTRUCTION WITH
FORTIFIED HOME DESIGN WIND LOADS AND ENVIRONMENT EXPOSURE C
TO BE ELIGIBLE FOR COLD DESIGNATION, ROOF MEMBERS MUST BE DESIGNED
REFER TO FORTIFIED HOME STANDARDS FOR ADDITIONAL

FASTENING

Table E-F5-3: Minimum Requirements for Roof Sheathing Thickness and

**Notes:**

1. Locally building code requirements for sheathing thickness and/or size/footstamping may be more

2. Footnotes and other roof code's minimum required sheathing thickness is 1/2".

3. For metal roof systems, verify manufacturer's sheathing thickness requirements are met.

4. Full round head (8) the clipped head nails, common nails or staples shall be allowed. Refer to Figure 1.

Refer to Table F-RS-3 for requirements.
Spray Foam
Sealed Roof Deck Within USNC
Steep Slope Roof Deck Attachment and

1. Minimum requirements for Spray Adhesives

2. Product must be tested and evaluated in accordance with either ASTM E 330 or an Alternative Design using Uniform Building Code Standards, Building Code, and/or Code of Ordinance.

3. Spray Polyurethane Foam Adhesive System must be installed by a properly trained and qualified Adhesive Manufacturer's representatives.

4. Appliance in accordance with the manufacturer's maintenance and installation guidelines. Spray Polyurethane Foam Adhesive System must be installed by the manufacturer or their qualified representative.

5. Use the minimum design and installation requirements prescribed by the manufacturer to meet a minimum design uplift pressure of at least 10 psi (0.7 kgf/cm²) for hurricane or high wind.

PROVISIONS: Use whichever is more stringent. Use of a Conflict Between Structural Design Specifications which are Other's. Refer to General Notes for Spray Adhesives Requirements for Spray Adhesives. Values refer to minimum Field Sheathing and/or minimum Framing Members and at all intersections between Sheathing and/or Framing Members. Choose the Minimum Required. Field Sheathing Requirements for Spray Adhesive.
1. **General Notes:**
   - All sheets must be folded over 12" (300mm) at ridge to form a lap.
   - All laps must be folded over such that horizontal laps over roof deck lap the underlying laps by 6" (150mm). Vertical laps over roof deck lap the underlying laps by 12" (300mm).

2. **Detail:**
   - Flashing sheet laps shall be顺着 "lap over laps".
   - All laps must be folded over such that horizontal laps over roof deck lap the underlying laps by 6" (150mm). Vertical laps over roof deck lap the underlying laps by 12" (300mm).

3. **Installation Instructions:**
   - Install flashing over roof deck laps as shown.
   - Hold back button caps at edges to avoid damage.

4. **Materials:**
   - Minimum laps are required as shown.
   - Approved lap size is minimum laps as shown.

5. **Corrosion Protection:**
   - Corrosion protection requirements are detailed in the standard for roof flashing.
   - Refer to the standard for additional information.
Drip edge refers to general note #3. Primed with acrylic primer. For sloping the roof up, apply the starter strip and use a starter strip for the drip edge. Apply the primer to the drip edge. Use 6" overlapping edge. Drill the holes to accept the nails as directed in the manufacturer's instructions. Use whatever is more suitable.

Use the manufacturer's drip edge installation for roof slopes less than 2/12. Refer to applicable code. Apply the primer to the drip edge and use a starter strip for the drip edge. Apply the primer to the drip edge. Use the manufacturer's instructions. Use the appropriate manufacturer's instructions.

Metal drip edge must be minimum 2 gauge for steel.

Use whatever is more suitable.

Use the manufacturer's drip edge installation.

Use the manufacturer's drip edge installation.

Use the manufacturer's drip edge installation.

Use the manufacturer's drip edge installation.
Drip edge refer to General Note #3.

Use whichever is more stringent.

Case of a conflict between provisions.

Structural design which is codes in

regulations in addition to the

State and local codes, ordinances, and

Applicable in conjunction with federal

Fortified home standards are to be

requirements.

Manufacturers' drip edge installation

For roof slopes less than 3:12 refer to

Applicable for roof pitch 2:12 or greater

Approved, self-adhered, seam type

drip edge or use a manufactured

water from accumulation under the

Adhered, underlayment to prevent

application of underlayment. Apply a

Self-adhering membrane. Application

underlayment.

Max. thickness over the drip edge and

of compatible flashing cement with 78"-

FF and 3-F-8RP-4 OR F-8RP-3

with Fortified Standards in accordance

underlayment installed in accordance.
GENERAL NOTES:
1. REFER TO APPLICABLE FORTIFIED HOME STANDARDS FOR ADDITIONAL INFORMATION.
2. 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.
3. REFER TO FORTIFIED STANDARD DETAILS F-RC-1 AND F-RC-3 FOR ADDITIONAL ASPHALT SHINGLE INSTALLATION OPTIONS.
4. 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.


SHINGLE MANUFACTURER APPROVED STARTER STRIP SET IN A MINIMUM 8 IN. WIDE STRIP OF COMPATIBLE FLASHING CEMENT (MAX. THICKNESS OF FLASHING CEMENT = 1/8").

VERIFY WITH MANUFACTURER THAT FLASHING CEMENT/ROOF MASTIC IS COMPATIBLE WITH UNDERLAYMENT.

DRIP EDGE AND ASTM D41 ASPHALT PRIMER INSTALLED PER FORTIFIED STANDARD DETAIL F-DE-1 AND/OR F-DE-3.

STARTER STRIP AND SHINGLES SHALL NOT EXTEND MORE THAN 1/4 IN. BEYOND DRIP EDGE.

ASTM D3161 (CLASS F) OR ASTM D7158 (CLASS H) ASPHALT SHINGLES INSTALLED PER MANUFACTURER RECOMMENDATIONS FOR HIGH WIND REGIONS.

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.

APPLICABLE STANDARDS:
FORTIFIED HOMESTM - HURRICANE (2020)
FORTIFIED HOMESTM - HIGH WIND (2020)

DESCRIPTION:
ASPHALT SHINGLE INSTALLATION GUIDANCE FOR STEEP SLOPE - OPTION 2: SHINGLE STRIP STARTER INSTALLATION AT EAVE OR RAKE

DRAWING #: F-RC-2

DATE: 11/01/2020
Cement shingles shall be set directly in flashing cement. Use either a cement mix specifically formulated for this purpose or a conventional mix with the addition of a specific admixture designed for this purpose. The mix shall be 2 parts cement to 1 part sand. The slump of the mix shall be between 4 and 6 inches. The mix shall be placed in a minimum of 2 inches, with a maximum of 6 inches, over a base of 6 inches of clean gravel.

Guidance for the installation of asphalt shingles includes the following:

1. Apply a 1/4" thick layer of flashing cement to the substrate.
2. Install the asphalt shingles over the flashing cement, starting at the top of the wall and working downward. The shingles shall be overlapped by a minimum of 1/4".
3. Use a minimum of 2 inch wide strips of asphalt shingles at all interior and exterior corners.
4. Use a minimum of 4 inch wide strips of asphalt shingles at all exterior corners.
5. Use a minimum of 6 inch wide strips of asphalt shingles at all exterior corners.
6. Use a minimum of 8 inch wide strips of asphalt shingles at all exterior corners.
7. Use a minimum of 10 inch wide strips of asphalt shingles at all exterior corners.
8. Use a minimum of 12 inch wide strips of asphalt shingles at all exterior corners.
9. Use a minimum of 14 inch wide strips of asphalt shingles at all exterior corners.
10. Use a minimum of 16 inch wide strips of asphalt shingles at all exterior corners.

Additional information:

- Refer to applicable standards for installation requirements.
- Be sure to consult the manufacturer's specifications.
- Consult local codes and ordinances in addition to the manufacturer's recommendations.
Wood Framing Member
For Damaged or Determined
R-8 Framing New Scab Member Detail

Span Condition
Existing Framing Member
Detreriorated portion

Side View
Existing Framing Wall
AND 2.4" O.C. MAX SPACING

PROVISIONS USE WHICHER IS MORE STRINGENT.

6 STRUCTURAL DESIGN WHICH IS BY OTHERS IN CASE OF A CONFLICT BETWEEN
STATE AND LOCAL CODES, ORDINANCES AND REGULATIONS IN ADDITION TO THE
FORTEFIELD HOME STANDARDS ARE TO BE APPLIED IN CONFORMANCE WITH FEDERAL

5 WHEN THE FACIA SUB-FRACIA IS THE ROOF FRAMING MEMBER THAT IS DAMAGED

4 MECHANICAL CONNECTIONS IT TUS/SUPTURE HANDLES. TRUSS CONNECTOR PLATES.

3 IF DAMAGE IS DETECTED, THE CONDITIONS SHOWN CONSIDER A LICENSED

2 FACILITATE INSTALLATION

1 TO APPLIQUE FORTEFIELD HOME STANDARDS FOR ADDITIONAL INFORMATION.

DATE: 11/02/2020
DRAWING #: F-R.2
DESCRIPTION:
APPLICABLE STANDARDS:
FORTEFIELD HOME - HURRICANE (200)
TO 3 IN.

STACKED WHEN 8' IS LESS THAN OR EQUAL
NOT BE LESS THAN 2 IN NAILS SHALL BE
BETWEEN NEW AND EXISTING NAILS. B" SHAH
B: TO AVOID WOOD SPLINTING. SPACING

EXECUTING STRUCTURAL WOOD PANEL ROOF

SHAPING THICKNESS REQUIREMENTS.

SUPPLEMENTAL FASTENING IS NOT REQUIRED.

ADDITIONAL FASTENER
B = SPACING BETWEEN EXISTING AND
A = SPACING OF ADDITIONAL FASTENERS
+ = ADDITIONAL FASTENERS
O = EXISTING FASTENERS

RE: ADHDITIONAL REQUIREMENTS OF F-RS.2 THEN
NAILING MEETS THE
DOCUMENTED THAT EXISTING

CONFLICT BETWEEN PROVISIONS, USE WHICHEVER IS MORE STRINGENT.

ADDITION TO THE STRUCTURAL DESIGN WHICH IS BY OTHERS IN CASE OF A
FEDERAL STATE AND LOCAL CODES. ORGANIZED AND REGULATIONS

FOR EVERY HOME STANDARDS ARE TO BE APPLIED IN CONJUNCTION WITH

1. GENERAL NOTES:

2. INFORMATION

REFT FOR ADHDITIONAL FASTENERS FOR ADDITIONAL

EXHIBIT

DAMAGED MEMBERS.

DAMAGED MEMBERS.

DAMAGED NON-DETERIORATED OR
THICKNESS REFER TO F-RS.2 FOR
MEMBERS W/ 2 MIN. NOMINAL
WITH CAPS
EXISTING 1X ROOF DECK BOARDS
Panel Roof Sheathing Over
Framing Wood Structural

EXISTING DECK BOARDS

Requirements (Min. 7/16")

FOR SHEATHING THICKNESS
Boards refer to 1x2 and/or panel
Installation over existing deck
Sheathing Provision for OSB

NEW STRUCTURAL WOOD PANEL ROOF

Framing Min. 1 1/8"

Fasteners 4 in. O.C.

2 1/4" CMAX

Screws @ 6 O.C.

AT #10 x 3" Min. Long Wood
Through Plugwood/OSB and
into roof framing members
To ensure 1 1/2" embedment

Framing members NHLs @ 4" C.O. into Roof

Roof Sheathing Ring Shank
RIS: 1 1/4" (1/2" Dia. x 3" Min.)

GENERAL NOTES:

1. Refer to applicable Fortified Home Standards for additional information.
2. Applicable for Roof Pitch 2/12 or greater.
3. Applicable for Roof Pitch 11/12 or greater.
4. For concrete and clay tile roof covers, minimum required sheathing thickness is 1/22.75.
5. For concrete and clay tile roof covers, minimum required sheathing thickness is 15/32.
6. For concrete and clay tile roof covers, minimum required sheathing thickness is 1 1/4.

If case of a conflict between provisions, use whichever is more stringent.

Framed Wood Panels 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.

Refer to Rule 1.

Pill Round Head Diameter: 1/2" or Longer Round Head Nails. Common Nails of Standard Sizes Shall Be Allowed.

Local Building Code Requirements For Roof Sheathing Thickness And/Or Material Size/Attachment.

Clip Head Center Clip.

Head OK
Clip Head OK
Clip Head OK

(OK) (OK) (OK)
Below

The house and not into the wall cavity can drain to the outside of the wall. Water that accumulates in the wall cavity is drained to the outside of the wall cavity by gravity. Ensure that any water that accumulates in the wall cavity is drained to the outside of the wall cavity by gravity. Ensure that any water that accumulates in the wall cavity is drained to the outside of the wall cavity by gravity.

**NOTE:** Self-adhesive weather

**TABLE 1:** Fastening Schedule for Cable Vent Cover

<table>
<thead>
<tr>
<th>Distance</th>
<th>Type</th>
<th>Fastener Type &amp; Size</th>
<th>Support Structure</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.5</td>
<td>Wood</td>
<td>1/4&quot; washer 2 1/4&quot; x 1/2&quot;</td>
<td>1/4&quot; lag screws w/1/4&quot; washer 2 1/4&quot; x 1/2&quot;</td>
</tr>
<tr>
<td>1</td>
<td>Wood</td>
<td>1/4&quot; washer 2 1/4&quot; x 1/2&quot;</td>
<td>1/4&quot; lag screws w/1/4&quot; washer 2 1/4&quot; x 1/2&quot;</td>
</tr>
</tbody>
</table>

**GENERAL NOTES:**

1. Refer to Portable Hurricane Detail F-4 for corrosion protection requirements.
2. Refer to Portable Hurricane Detail F-4 for corrosion protection requirements.
3. To maintain proper attic ventilation, vent shutters are to be removed after a storm threat is over.
4. Adequate attic ventilation must be maintained on a regular basis.
5. Local codes, ordinances and regulations in addition to the structural design, and other applicable home standards are to be applied in conjunction with Federal standards and other applicable codes, ordinances and regulations.

**TABLE F-4.1 Fastening Schedule for Cable Vent Cover**