# FORTIFIED Home™ Standard Details Table of Contents

## Hurricane Only Set

*For Use with 2020 FORTIFIED Home Standard*

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</tr>
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<td>✓</td>
</tr>
<tr>
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<td>✓</td>
</tr>
<tr>
<td>F-RS-1</td>
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<td>✓</td>
</tr>
<tr>
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<td>✓</td>
</tr>
<tr>
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<td>✓</td>
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<tr>
<td>F-SRD-2</td>
<td>Steep Slope Sealed Roof Deck - Flashing Tape and Underlayment- Shingle or Metal Roof Covers</td>
<td>✓</td>
</tr>
<tr>
<td>F-SRD-3</td>
<td>Steep Slope Sealed Roof Deck - Two Layers Felt Underlayment - Shingle or Metal Roof Covers</td>
<td>✓</td>
</tr>
<tr>
<td>F-SRD-4</td>
<td>Steep Slope Sealed Roof Deck - Self-Adhered Membrane (Showing Bond Break for Asphalt Shingles) - Shingle and Metal Roof Covers</td>
<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>
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<tr>
<td>F-SRD-6</td>
<td>NEW FOR 2020 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</td>
</tr>
<tr>
<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>
</tr>
<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>
</tr>
<tr>
<td>F-RR-1</td>
<td>Re-Roofing Deck Replacement Fastening Detail</td>
<td>✓</td>
</tr>
<tr>
<td>F-RR-2</td>
<td>Re-Roofing New Scab Member Detail for Damaged or Deteriorated Wood Framing Member</td>
<td>✓</td>
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<tr>
<td>F-RR-3</td>
<td>Hurricane - Re-Nailing the Roof Deck (Wood Structural Panels)</td>
<td>✓</td>
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<tr>
<td>F-RR-5</td>
<td>NEW FOR 2020 Fastening Wood Structural Panel Roof Sheathing Over Existing 1x Roof Deck Boards with Gaps</td>
<td>✓</td>
</tr>
<tr>
<td>F-GS-1</td>
<td>Temporary Gable Vent Shuttering</td>
<td>✓</td>
</tr>
<tr>
<td>F-GE-1</td>
<td>Prescriptive Gable End Outlooker Framing and Anchorage</td>
<td>N/A</td>
</tr>
<tr>
<td>F-S-1</td>
<td>Soffit Retrofit Detail</td>
<td>N/A</td>
</tr>
<tr>
<td>F-CTD-1</td>
<td>Prescriptive Chimney Tie-Down Detail for Chimneys up to 5 ft</td>
<td>N/A</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*
suitable corrosion-resistant material. Corrosion-resistant sheet metal connectors, anchors, and hangers shall meet the requirements of ASTM A 653, Grade G 90.

Corrosion-resistant nails and screws shall meet the requirements of ASTM A 475, Class D, unless otherwise noted. Corrosion-resistant fasteners shall meet the requirements of ASTM A 475, Class D, unless otherwise noted.

1. Buildings on open, elevated foundations within 1000 ft of saltwater shall follow the requirements of structures within 300 ft of saltwater.

<table>
<thead>
<tr>
<th>Corrosion Resistant</th>
<th>Galvanized coating</th>
<th>Stainless Steel</th>
<th>Stainless Steel</th>
<th>Stainless Steel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Steel</td>
<td>StainlessSteel</td>
<td>Stainless Steel</td>
<td>Stainless Steel</td>
<td>Stainless Steel</td>
</tr>
<tr>
<td>Allowed</td>
<td>Allowed</td>
<td>Not Allowed</td>
<td>Not Allowed</td>
<td>Not Allowed</td>
</tr>
<tr>
<td>Hot-dip Galvanized</td>
<td>Hot-dip Galvanized</td>
<td>Hot-dip Galvanized</td>
<td>Hot-dip Galvanized</td>
<td>Hot-dip Galvanized</td>
</tr>
</tbody>
</table>

Notes:
- Metal framing, connectors, fasteners, anchors, and hangers in welded enclosed areas.
- Metal framing, connectors, fasteners, anchors, and hangers in exposed areas.
- Soft and roof vent fasteners.
- Aluminium bolts.
- To roof deck.
- Fasteners used for attachment of undetachable structural roof members.
- Metal roof clips and fasteners (exposed).
- Concrete and clay roof tiles fasteners.
- Roofing nails for shingles.

<table>
<thead>
<tr>
<th>Fasteners/Connections</th>
<th>From Saltwater</th>
<th>But Less Than 3,000 ft From</th>
<th>Structures more than 3,000 ft from</th>
<th>Structures more than 3,000 ft from</th>
</tr>
</thead>
<tbody>
<tr>
<td>Steel</td>
<td>Stainless Steel</td>
<td>Stainless Steel</td>
<td>Stainless Steel</td>
<td>Stainless Steel</td>
</tr>
</tbody>
</table>
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

FORTIFIED HOME STANDARDS ARE TO BE APPLIED IN CONJUNCTION WITH FEDERAL

REFER TO APPLICABLE FORTIFIED HOME STANDARDS FOR ADDITIONAL INFORMATION.

GENERAL NOTES:

ASCE 7.16: 3.0 = 0.6h

ASCE 7.10: 3.0 = 0.4 h

CABLE ROOF

FLAT ROOF

ROOFS - ZONE 3

CORNER ZONES

ROOFS - ZONE 2/ WALLS - ZONE 5

END ZONES

INTERIOR ZONES

DATE: 11/07/2020

DRAWING #: F-C-2

APPLICABLE STANDARDS:
Roof Shingle Details: F-3, F-2, and F-RS-3

To Fortified

1. Refer to Fortified Home Standards. 2. Refer to F-RS-3

3. Underlayment is also acceptable.

4. Refer to F-RS-3.

5. Lap Underlayment with minimum 6" Edge Tine.

6. Apply bitumen underlayment onto the top (2 layers) of asphalt shingles.

7. Apply bitumen underlayment onto the top (6 layers) of asphalt shingles.

8. Nails used to attach underlayment shall be

Decoration Figure (Note #2, Fig. 2, and Fig. 3)

SHINGLE OR METAL ROOF COVERS

TWO LAYERS FELT UNDERLayment

- STEEP SLOPE SEALED ROOF DECK

Standard Details: F-RS-3, F-RS-2, and F-RS-3

Refer to F-RS-3

PROVISION USE WHICH EVER IS MORE STRINGENT.

OTHERS IN CASE OF A CONFLICT BETWEEN

ADDITION TO THE STRUCTURAL DESIGN WHICH IS BY

CODES, ORGANIZATIONS AND REGULATIONS IN

FORTIFIED HOME STANDARDS ARE TO BE APPLIED IN

DESIGN WIND SPEED OR GREATER.

METAL BUTTON CAPS ARE REQUIRED FOR ULTIMATE

ROOF SHEATHING OR NOT LESS THAN 1/4" IN THE

SUPPORT LENGTH TO PENETRATE THROUGH THE

NAILS/0.038" MINIMUM DIAMETER. AND

ANNUAL RANGE OR DEFORMED SHANK

APPLICATION SUPPORTS ARE ATTACHED UNDERLAYERMENT

APPLIED AERIAL PITCH 2:12 OR GREATER

APPLIED OVER TREATED-SEP UNDERLAYERMENT.

UP AL WALL INTERSECTIONS. LAP WALL WEATHER

5 UNLESS THERE IS A CONTINUOUS RIDGE VENT.

DOUBLE LAYER UNDERLAYERMENT ACROSS RIDGES

WEAVE UNDERLAYERMENT ACROSS VALVES.

CORROSION PROTECTION REQUIREMENTS

4 REFER TO FortIFIED Home Standards.

GENERAL NOTES

3 REFER TO APPLICATIONS OR DETAIL: F-3, F-2, F-RS-3

2 REFER TO FORTIFIED HOME STANDARDS

1 REFER TO APPLICATIONS OR DETAIL: F-3, F-2, F-RS-3

J.9 STARTER SHEET

ROOFING NALES TACKED IN PLACE W/

19. REFER TO FORTIFIED

REFER TO FORTIFIED

AILING NALES PLACED AS SHOWN. FOR ASHALT

TYPE II OR TYPE IV UNDERLAYERMENT

ASTM D 2252 TYPE II, #30 OR ASTM D 4869

6. MIN OVERLAP PALED

END LAPS (Typ)

OVER LIDE ON BOTH

SIDES.

F-DE-3 FOR DRIP EDGE INSTALLATION.

REFER TO F-DE-1 AND/OR

AVOID INSTALLING DRIP EDGE OVER

HOLD BACK BUTTON CAPS AT EDGES TO
AND METAL ROOF COVERS
BREAK FOR ASPHALT SINGLES - SHINGLE
ADHERED MEMBRANE (SHOWING BOND
STEEL SLOPE SEALED ROOF DECK - SELF-PR

INSTALLATION
REFER TO F-3 AND/OR F-DE-3 FOR Drip Edge

INSTRUCTIONS
SPECIFICATIONS AND INSTALLATION
SHRINING PRIOR TO ROOF
APPLY MANUFACTURER SPECIFIED
DETAILS F-3-1, FS-2, AND F-2-3
TO FORTIFIED STANDARD
ROOF SHETING: REFER

GENERAL NOTES
REFER TO GENERAL NOTES #3 AND #4
REFER TO CHEMOVET COVERING ENTIRE ROOF DECK
ASTM D3970 SELF-ADHERING POLYMER MODIFIED

INSTALLATION INSTRUCTIONS
SPECIFIED BY MANUFACTURERS
LOCAL CODES OR REGULATIONS AND INSTALLATIONS IN ADHESION TO THE STRUCTURAL DESIGN WHICH IS
FORTIFIED HOME STANDARDS AS TO BE APPLIED IN CONJUNCTION WITH LOCAL STANDARDS AND
MANUFACTURER INSTRUCTIONS AND INSTALLATION INSTRUCTIONS WHICH IS REQUIRED TO UNDERLAYMENT AND PRIMARY ROOF SYSTEM
ADHERATE ATTIC VENTILATION IS REQUIRED TO REFER TO UNDERLAYMENT AND PRIMARY ROOF SYSTEM
APPLICABLE TO FORTIFIED HOME STANDARDS FOR ADDITION INFORMATION.

INSTRUCTIONS
SPECIFICATIONS AND INSTALLATION
SHRINING PRIOR TO ROOF
APPLY MANUFACTURER SPECIFIED
DETAILS F-3-1, FS-2, AND F-2-3
TO FORTIFIED STANDARD
ROOF SHETING: REFER

GENERAL NOTES
REFER TO GENERAL NOTES #3 AND #4
REFER TO CHEMOVET COVERING ENTIRE ROOF DECK
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INSTALLATION INSTRUCTIONS
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INSTRUCTIONS
SPECIFICATIONS AND INSTALLATION
SHRINING PRIOR TO ROOF
APPLY MANUFACTURER SPECIFIED
DETAILS F-3-1, FS-2, AND F-2-3
TO FORTIFIED STANDARD
ROOF SHETING: REFER

GENERAL NOTES
REFER TO GENERAL NOTES #3 AND #4
REFER TO CHEMOVET COVERING ENTIRE ROOF DECK
ASTM D3970 SELF-ADHERING POLYMER MODIFIED

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ADHERATE ATTIC VENTILATION IS REQUIRED TO REFER TO UNDERLAYMENT AND PRIMARY ROOF SYSTEM
APPLICABLE TO FORTIFIED HOME STANDARDS FOR ADDITION INFORMATION.
OR RAKE
STICK STARTER STRIP INSTALLATION AT EAVE
FOR STEEP SLOPE - OPTION 1: PEEL AND
APPROVED ALUMINUM INSTALLATION GUIDANCE

A UL 2218 CLASS 4 OR FM 4437 CLASS 4 RATING.
"EXCELLENT" OR BE POLYMER MODIFIED WITH EITHER
ROOF SHINGLE HAL RATING OF "GOOD" OR
APPROVED SHINGLES MUST HAVE AN OVERALL RATING
TO MEET 2020 HAIL SUPPLEMENT REQUIREMENTS.

EXTEND MORE THAN 1/4” BEYOND Drip Edge.
STARTER STRIP AND SHINGLES SHALL NOT
Drip Edge and ASM D41

GENERAL NOTES
1. REFER TO APPLICABLE FORFIELD HOME STANDARDS FOR
   ADDITIONAL INSTRUCTIONS AND BOTH SIDES
   OF FUTURE INSTALLATIONS.

2. REFER TO APPLICABLE FORFIELD HOME STANDARDS FOR
   INSTALLATION INSTRUCTIONS AND BOTH SIDES
   OF FUTURE INSTALLATIONS.

3. REFER TO APPLICABLE FORFIELD HOME STANDARDS FOR
   INSTALLATION INSTRUCTIONS AND BOTH SIDES
   OF FUTURE INSTALLATIONS.

4. REFER TO APPLICABLE FORFIELD HOME STANDARDS FOR
   INSTALLATION INSTRUCTIONS AND BOTH SIDES
   OF FUTURE INSTALLATIONS.
Below:
The house and not into the wall cavity can drain to the outside of the
vent that accumulates in the inside of attic, ensure that any
vent edge of shutter is installed on
vent to seal the
stop can be used to seal the

NOTE: SELF-ADHESIVE WEATHER

LSB MIN. W/HIGH-WAL CAPACITY
MASONRY/STUCCO USE & PROTECTION ANCHORS W/1500
MOUNTING MATERIALS ALLOWED FOR HANGING TO MASONRY OR

<table>
<thead>
<tr>
<th>DISTANCE D</th>
<th>TYPE</th>
<th>SUPPORT STRUCTURE</th>
<th>WH</th>
<th>EMBOSSMENT W/2</th>
<th>WH</th>
<th>SCREWS W/8</th>
<th>WH</th>
<th>WH</th>
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<tbody>
<tr>
<td>1.5</td>
<td>1.0</td>
<td>FASTENER TYPE 8 X 8</td>
<td>3/4</td>
<td>3/4</td>
<td>1.7</td>
<td>1.7</td>
<td>1.7</td>
<td>1.7</td>
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</tbody>
</table>

EXTRA TIGHTNESS IS BY OTHERS IN CASE OF A CONFLICT BETWEEN PROVISIONS. USE WHICHEVER IS MORE
LOCAL CODES, ORDINANCES AND REGULATIONS IN ADDITION TO THE STRUCTURAL DESIGN WHICH
APPLICABLE STANDARDS MUST BE MAINTAINED ON A REGULAR BASIS.

APOIRED ATTIC VENTILATION MUST BE MAINTAINED ON A REGULAR BASIS.

TABLE E-C-1 FASTENING SCHEDULE FOR CABLE VENT COVER

1. REFER TO APPLICABLE PORTFIELD HOME STANDARDS FOR ADDITIONAL INFORMATION.

2. REFER TO PORTFIELD STANDARD DETAIL E-C-1 FOR CORROSION PROTECTION REQUIREMENTS.

3.  TO MAINTAIN PROPER ATTIC VENTILATION, VENT SHUTTERS ARE TO BE REMOVED AFTER A STORM. THE THREAT IS OVER.

4.  ADEQUATE ATTIC VENTILATION MUST BE MAINTAINED ON A REGULAR BASIS.

DESCRIPTION:

DRAWING #:

FORFIELD

DATE: 11/02/2020

APPLICABLE STANDARDS:

DESCRIPTION:

DRAWING #:

FORFIELD

DATE: 11/02/2020

APPLICABLE STANDARDS:
SOFT RETROFIT DETAIL

Applicable Standards:

1. 2x7 TYP" STAPLE 7/16 CROWN X 7/8" LENGTH X 16 GA.
2. 8x7 SCREW AT EACH INTERSECTION.
3. LAP INTERIOR/SPACING NOT TO MEMBER SPACED @ MAX 12" O.C.

Fasteners for soft panel must be corrosion resistant and minimum one of the following:

<table>
<thead>
<tr>
<th>Screw #8 x 1/2&quot; Embedment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nail 6d x 1/2&quot; Embedment</td>
</tr>
<tr>
<td>Staple 7/16 Crown x 7/8&quot; Length x 16 Ga.</td>
</tr>
</tbody>
</table>

Supporting Wall: Vert.
2x4 O.C. Fastened To
Existing Roof Support
Member (Truss or Parapet)

2x4 O.C. Fastened To
Supporting Wall Vert.

Use whichever is more stringent.

Case of a conflict between provisions, structural design which is by others in
structural design in addition to the
state and local codes, ordinances and
applicable in conjunction with federal
applicable for additional information.

RFR Home Standards ARE TO BE
Ref To Applicable Fortified Home

GENERAL NOTES