

**Revised Secondary Water Barrier Section 1-28-08
Eric Stafford, Lorraine Ross, Bill York and Frank O'Neill**

This draft represents a proposed draft of the secondary water barrier section (201.2) as requested by the Mitigation Workgroup

Current Manual/ Settlement	IBHS Draft	1-28-08 Proposal
<p>201.2 Roof secondary water barrier for site-built single family residential structures. A secondary water barrier shall be installed using one of the following methods when roofing replacement when reroofing.</p>	<p>201.2 Roof secondary water barrier for site-built single family residential structures. A secondary water barrier shall be installed using one of the following methods <u>during</u> when roofing replacement when re-roofing.</p>	<p>201.2 Roof secondary water barrier for site-built single family residential structures. A secondary water barrier shall be installed using one of the following methods <i>when a roof covering is replaced.</i></p>
<p>a) All joints <u>in structural panel</u> roof sheathing or decking shall be covered with a minimum 4 in. wide strip of self-adhering polymer modified bitumen tape applied directly to the sheathing or decking. The deck and self adhering polymer modified bitumen tape shall be covered with one of the underlayment systems approved for the particular roof covering to be applied to the roof.</p>		<p>a) All joints <u>in structural panel</u> roof sheathing or decking shall be covered with a minimum 4 in. wide strip of self-adhering polymer modified bitumen tape applied directly to the sheathing or decking. The deck and self adhering polymer modified bitumen tape shall be covered with one of the underlayment systems approved for the particular roof covering to be applied to the roof.</p>
<p>b) The entire roof deck shall be covered with an approved self-adhering polymer modified bitumen cap sheet. No additional underlayment shall be required on top of this cap sheet for new installations.</p>		<p>b) The entire roof deck shall be covered with an approved self-adhering polymer modified bitumen cap sheet <i>meeting ASTM D 1970 or an approved self-adhering synthetic underlayment installed in accordance with the manufacturers' installation instructions.</i> No additional underlayment shall be required on top of this cap sheet for new installations.</p>

Lorraine Ross 1/29/08 9:02 PM
Deleted: during when roofing replacement when re-roofing

Lorraine Ross 1/29/08 9:17 PM
Formatted: Indent: Left: 0"

**Revised Secondary Water Barrier Section 1-28-08
Eric Stafford, Lorraine Ross, Bill York and Frank O'Neill**

This draft represents a proposed draft of the secondary water barrier section (201.2) as requested by the Mitigation Workgroup

Current Manual/ Settlement	IBHS Draft	1-28-08 Proposal
		<p><i>EXCEPTIONS:</i></p> <p><i>1. In the HVHZ, an asphalt impregnated 30# felt underlayment installed with nails and tin-tabs as required for the HVHZ in conformance with Section 44XX of the Florida Building Code, Residential and covered with either an approved self-adhering polymer modified bitumen cap sheet or an approved cap sheet applied using an approved hot-mop application shall be deemed to meet the requirements for the secondary water barrier.</i></p>
<p>c) The entire roof deck shall be covered with an approved asphalt impregnated 30# felt underlayment installed with nails and tin-tabs as required for the HVHZ. <u>(No additional underlayment shall be required over the top of this sheet).</u></p>		<p>c) <i>In the HVHZ, the entire roof deck shall be covered with an approved asphalt impregnated 30# felt underlayment installed with nails and tin-tabs in accordance with Section 44XX of the Florida Building Code, Residential. This method shall also be acceptable in the non-HVHZ regions of Florida. (No additional underlayment shall be required over the top of this sheet).</i></p>
<p>d) Outside of the HVHZ, <u>an underlayment complying with section 1507.2.3 of the Florida Building Code, Building fastened as described below or</u> a layer of asphalt impregnated <u>approved #30</u> felt shall be installed. The felt is to be</p>		<p>d) <i>In regions of Florida other than the HVHZ an underlayment system approved for the particular roof covering shall be applied with the following modification:</i></p> <p><i>(1) For roof slopes that require one layer of underlayment, a layer of approved asphalt impregnated ASTM D 226 Type II (#30) underlayment or approved synthetic</i></p>

Lorraine Ross 1/29/08 9:05 PM
Deleted: I

Lorraine Ross 1/29/08 9:06 PM
Deleted: as required for the HVHZ.

**Revised Secondary Water Barrier Section 1-28-08
Eric Stafford, Lorraine Ross, Bill York and Frank O'Neill**

This draft represents a proposed draft of the secondary water barrier section (201.2) as requested by the Mitigation Workgroup

Current Manual/ Settlement	IBHS Draft	1-28-08 Proposal
<p>fastened with 1” round plastic cap or metal cap nails, attached to a nailable deck in a grid pattern of 12 inches (305 mm) staggered between the overlaps, with 6-inch (152 mm) spacing at the overlaps. For slopes of 2:12 to 4:12 an additional layer of felt shall be installed in a shingle-fashion and lapped 19” and fastened as described above. <u>(No additional underlayment shall be required over the top of this sheet).</u></p>		<p><u>underlayment</u> shall be installed. The felt <i>or synthetic underlayment</i> is to be fastened with 1” round plastic cap or metal cap nails, attached to a nailable deck in a grid pattern of 12 inches (305 mm) staggered between the overlaps, with 6-inch (152 mm) spacing at the overlaps.</p> <p><i>(2) For roof slopes that require two layers of underlayment, <u>an approved asphalt impregnated ASTM D 226 Type II (#30) felt shall be installed in a shingle-fashion and lapped 19” and fastened as described above. An approved synthetic underlayment shall be installed in accordance with the manufacturer’s installation instruction. (No additional underlayment shall be required over the top of this sheet).</u></i></p> <p>Exceptions:</p> <p><i>1. Roof slopes < 2:12 having a continuous roof system shall be deemed to comply with section 201.2 requirements for a secondary water barrier.</i></p> <p><i>2. Clay and Concrete tile roof systems installed as required by the Florida Building Code are deemed to comply with</i></p>

Lorraine Ross 1/29/08 9:12 PM
Deleted: For slopes of 2:12 to 4:12 an additional layer of

**Revised Secondary Water Barrier Section 1-28-08
Eric Stafford, Lorraine Ross, Bill York and Frank O’Neill**

This draft represents a proposed draft of the secondary water barrier section (201.2) as requested by the Mitigation Workgroup

Current Manual/ Settlement	IBHS Draft	1-28-08 Proposal
		<i>the requirements of section 201.2 for Secondary Water Barriers.</i>
<p>EXCEPTIONS:</p> <p>1. An asphalt impregnated 30# felt underlayment installed with nails and tin-tabs as required for the HVHZ and covered with either an approved self-adhering polymer modified bitumen cap sheet or an approved cap sheet applied using an approved hot-mop application shall be deemed to meet the requirements for the secondary water barrier.</p>	<p>EXCEPTIONS:</p> <p>1. An asphalt impregnated 30# felt underlayment installed with nails and tin-tabs as required for the HVHZ <u>in conformance with Section 1518.2 of the Florida Building Code, Building</u> and covered with either an approved self-adhering polymer modified bitumen cap sheet or an approved cap sheet applied using an approved hot-mop application shall be deemed to meet the requirements for the secondary water barrier.</p>	<p>▼</p>
	<p><u>2. A reinforced synthetic underlayment with an ICC approval as an alternate to ASTM D226 felt paper meeting ASTM D1970 nail sealing requirements and having a minimum tear strength per ASTM</u></p>	<p><i>e) Application of a two-part urethane based closed cell spray-on adhesive to the attic side of the joints between the sheathing shall be deemed to meet the requirements for the secondary water barrier. <u>When the closed cell foam is also used as an insulation, the foam shall comply with Section R314 of the</u></i></p>

Lorraine Ross 1/29/08 9:08 PM
Formatted: Indent: Left: 0.5"

Lorraine Ross 1/29/08 9:16 PM
Deleted: EXCEPTIONS:
1. An asphalt impregnated 30# felt underlayment installed ~~with nails and tin-~~ tabs as required for the HVHZ in conformance with Section 1518.2 of the Florida Building Code, Building and covered with either an approved self-adhering polymer modified bitumen cap sheet or an approved cap sheet applied using an approved hot-mop application shall be deemed to meet the requirements for the secondary water barrier.

**Revised Secondary Water Barrier Section 1-28-08
Eric Stafford, Lorraine Ross, Bill York and Frank O'Neill**

This draft represents a proposed draft of the secondary water barrier section (201.2) as requested by the Mitigation Workgroup

Current Manual/ Settlement	IBHS Draft	1-28-08 Proposal
	<p><u>D1970 or ASTM D4533 of 20 lbs. This underlayment, when attached using annular ring or deformed shank roofing fasteners with minimum 1-inch diameter metal or plastic caps at the spacing required by the manufacturer for high wind installations or code requirements if more stringent; and, when all seams are sealed with a compatible adhesive or compatible 4-inch wide tape, shall be deemed to meet the requirements for the secondary water barrier.</u></p> <p><u>3. Application of a two-part urethane based closed cell spray-on adhesive to the attic side of the joints between the sheathing shall be deemed to meet the requirements for the secondary water barrier.</u></p>	<p><i><u>Florida Building Code, Residential.</u></i></p>
<p>Exceptions:</p> <p><u>1. Roof slopes < 2:12 having a continuous roof system shall be deemed to comply with section 201.2 requirements for a secondary water barrier.</u></p>		<p>1. An asphalt impregnated 30# felt underlayment installed with nails and tin tabs as required for the HVHZ and covered with either an approved self-adhering polymer modified bitumen cap sheet or an approved cap sheet applied using an approved hot mop application shall be deemed to meet the requirements for the secondary water barrier.</p>

**Revised Secondary Water Barrier Section 1-28-08
Eric Stafford, Lorraine Ross, Bill York and Frank O'Neill**

This draft represents a proposed draft of the secondary water barrier section (201.2) as requested by the Mitigation Workgroup

Current Manual/ Settlement	IBHS Draft	1-28-08 Proposal
<p><u>2. Clay and Concrete tile roof systems installed as required by the Florida Building Code are deemed to comply with the requirements of section 201.2 for Secondary Water Barriers.</u></p> <p>1. An asphalt impregnated 30# felt underlayment installed with nails and tin tabs as required for the HVHZ and covered with either an approved self-adhering polymer modified bitumen cap sheet or an approved cap sheet applied using an approved hot-mop application shall be deemed to meet the requirements for the secondary water barrier.</p>		

Lorraine Ross 1/29/08 9:19 PM

Deleted: Exceptions:

1. Roof slopes < 2:12 having a continuous roof system shall be deemed to comply with section 201.2 requirements for a secondary water barrier.

2. Clay and Concrete tile roof systems installed as required by the Florida Building Code are deemed to comply with the requirements of section 201.2 for Secondary Water Barriers.