

#### 

**DEPARTMENT OF PLANNING AND BUILDING SERVICES** 

860 North Bush Street · Ukiah · California · 95482 120 West Fir Street · Ft. Bragg · California · 95437

#### MEMORANDUM

DATE: JULY 12, 2021

TO: MENDOCINO HISTORICAL REVIEW BOARD MEMBERS

FROM: PLANNING AND BUILDING STAFF

#### SUBJECT: GOALS, STANDARDS, GUIDELINES, AND EXTERIOR BUILDING MATERIALS

**Background:** Coastal Element Chapter 4.13 *Mendocino Town Plan* includes design goals and policies for the Town of Mendocino; for example, Action DG-1.3, Action DG-1.4 and others. These goals are implemented, in part, by MCC Section 20.760.050 *Standards* and others.

Coastal Element Chapter 4.13 Appendix 7 *Mendocino Historic Review Board Design Guidelines* 1987 are based upon "*historic design characteristics commonly observed in Mendocino and will serve as a basis against which plans for new construction and for rehabilitation or renovation of existing structures can be judged for harmony, compatibility, and appropriateness. ... Present day designs and materials are encouraged when used in a manner which is compatible with the sense of the past that is being preserved (page 1).*"

- Guidelines Section 3. <u>Exterior Building Materials</u> state: The Historical Review Board favors the use of natural materials. This include lap siding, v-rustic, T&G, ship-lap siding, ansac, wood shingles and vertical Board and Batten. Imitation or synthetic materials, such as aluminum or vinyl siding, imitation stone, imitation brick and "rustic", used brick, plastic, laminated beams and laminated wood panels, concrete block, stucco, asbestos or asphalt shingles or panels, and plywood panels shall be deemed inappropriate. Painting of new structures is encouraged.
- Guidelines Section 4 and 4a include similar statements about residential windows and doors, including: Metal or plastic frames are not acceptable. Shutters should be inconspicuous as possible. Raw aluminum combination storm windows or doors and plastic contemporary coverings are not acceptable. Windows and doors may have accent ornamentation when it is integral to the building design. Windows are typically tall, double hung, wood frame windows.

Attached is <u>2020 CalFire Building Material Program Product Listings</u> from Western Woods. Wildland-Urban Interface, or WUI, compliant exterior wall siding, including tongued and groove, shiplap, V shiplap, Board and Batten, and others can be made from Redwood, Western Red Cedar, Incense Cedar, Douglas Fir, and other listed types of wood. Similar wood materials are approved for decking.

**Summary:** There are numerous natural exterior materials that are compliant with WUI standards. Planning Staff has noted for the last eight years or more, the Review Board requests reuse of existing exterior materials when applicants request to renovate. The Review Board requests applicants install truly divided lights, wood-framed windows, and painted exterior wood materials. In an effort to support the Review Board and to provide consistency between similar projects, staff recommends conditions based upon previous approvals and adopted findings, design guidelines, standards, and Coastal Element policies. Staff supports and encourages the Review Board to adopt conditions that reflect their governance of exterior materials within the Historic District and their permit authority for alterations to existing structures (and proposed new development).

Attachment <u>https://westernwoodsinc.com/wp-content/uploads/2020/02/WWOODs-WUIProducts-BLMProducts-d1-web\_sml-01.27.2020.pdf</u> (accessed June 18, 2021)

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2020 CAL FIRE BUILDING MATERIAL PROGRAM PRODUCT LISTINGS EIRE PROTECT

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JULY 12, 2021 MEMORAN CALIFORNIA DEPARTMENT OF FORESTRY & FIRE PROTECTION OFFICE OF THE STATE FIRE MARSHAL FIRE ENGINEERING - BUILDING MATERIALS LISTING PROGRAM

## LISTING SERVICE



LISTING No. 8140-2084:0001

Page 1 of 2

- CATEGORY: 8140 -- EXTERIOR WALL SIDING AND SHEATHING FOR WILDLAND URBAN INTERFACE (W.U.I)
- LISTEE: WESTERN WOODS INC.P.O. Box 4402, Chico, CA 95973-4402 Contact: Kevin Richter (530) 343-5821 Fax (530) 343-3851 Email: kevinr@westernwoodsinc.com
- **DESIGN:** Solid-sawn "Wood" siding with no through holes or loose knots, installed over structural plywood or oriented strand board (OSB) with a 7/16" minimum thickness and complying with Voluntary Product Standard PS1 or Voluntary Product Standard PS2, with the following interlocking designs when installed in accordance with industrial technical guide. Refer to the manufacturer's installation instructions and product data sheets.

a. Tongued & Grooved, Shiplap, Channel Shiplap, V Shiplap, Log Cabin; When applied in a horizontal orientation with minimum nominal 6" wide and nominal 1" thick boards made of wood species "Redwood", "Western Red Cedar", "Incense Cedar", "Port Orford Cedar", "Alaska Yellow Cedar", "Ponderosa Pine", "Douglas Fir", "White Fir", "Western Spruce", or any other wood species having a Flame Spread Rating not greater than 150 (Class C) when tested in accordance with ASTM E84.

b. Tongued & Grooved, Shiplap, Channel Shiplap, V Shiplap: When applied in a vertical orientation with minimum nominal 6" wide and nominal 1" thick boards made of wood species "Redwood", "Western Red Cedar", "Incense Cedar", "Port Orford Cedar", "Alaska Yellow Cedar", "Ponderosa Pine", "Douglas Fir", "White Fir", and "Western Spruce", or any other wood species having a Flame Spread Rating not greater than 100 (Class C) when tested in accordance with ASTM E84.

All nominal board sizes shall comply with the applicable provisions of American Softwood Lumber Standard DOC PS 20. Edge and end glued siding is permitted to be used interchangeably with solid sawn members. The recommended installation practice for solid wood siding in wall construction regarding butt and overlapping joints is: butt joints between pieces should be staggered a minimum of 12" and all butt joints should be flush with no gap. Nail joints into the studs or blocking members. One nail at each crossing with the wood frame support member shall be used for nominal 6" siding and 2 nails for nominal 8" or wider siding. Refer to the manufacturer's installation instructions and product data sheets.

**RATING:** Compliance with Chapter 7A of the California Building Code.

INSTALLATION: In accordance with listee's printed installation instructions, applicable codes and ordinances

11-23-11 bh



This listing is based upon technical data submitted by the applicant. CSFM Fire Engineering staff has reviewed the test results and/or other data but does not make an independent verification of any claims. This listing is not an endorsement or recommendation of the item listed. This listing should not be used to verify correct operational requirements or installation criteria. Refer to listee's data sheet, installation instructions and/or other

Date Issued: Ju

July 01, 2019

Listing Expires June 30, 2020

Authorized By: DAVID CASTILLO, Program Coordinator

and in a manner acceptable to the authority having jurisdiction.

- MARKING: Listee name. Model number, rating and SFM label.
- APPROVAL: Listed as solid wood sidings for use in the Wildland Urban Interface areas.

**XLF:** 8140-2041:0001

11-23-11 bh



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Authorized By:

Fire Engineering Division

DAVID CASTILLO, Program Coordinator



# **DECKING FOR WILDLAND URBAN INTERFACE** (W.U.I)

2020 CAL VIRE BUILDING WATERIAL VIRGONAM PRODUCTIES TINGS

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JULY 12, 2021 MEMORANE CALIFORNIA DEPARTMENT OF FORESTRY & FIRE PROTECTION OFFICE OF THE STATE FIRE MARSHAL FIRE ENGINEERING - BUILDING MATERIALS LISTING PROGRAM

## LISTING SERVICE



LISTING No.	8110-2084:0002 Pa	age 1 of 1
CATEGORY:	8110 DECKING FOR WILDLAND URBAN INTERFACE (W.U.I)	
LISTEE:	WESTERN WOODS INC.P.O. Box 4402, Chico, CA 95973-4402 Contact: Kevin Richter (530) 343-5821 Fax (530) 343-3851 Email: kevinr@westernwoodsinc.com	
DESIGN:	Solid "Wood" decking, when installed over minimum 2" x 6" solid "Douglas Fir" or bet joists, spaced 24" or less on center, and decking and joists complying with American Softwood Lumber Standard PS 20 as follows:	ter
	Minimum nominal 5/4" thick and nominal 6" wide decking boards with a maximum 3/8 edges made of solid wood species "Redwood", "Western Red Cedar", "Incense Cedar Orford Cedar", or "Alaska Yellow Cedar" having a Class B Flame Spread rating when in accordance with ASTM E84. Lumber grades: construction common, commercial or grades for Redwood; 3 common, commercial or better grades for Cedars. Refer to the manufacturer's installation instructions and product data sheets.	<mark>", "Port</mark> tested
RATING:	Class B Flame Spread	
INSTALLATION:	In accordance with listee's printed installation instructions, applicable codes and ordir and in a manner acceptable to the authority having jurisdiction.	nances
MARKING:	Listee name. Model number, rating and SFM label.	
APPROVAL:	Listed as solid wood decking materials for use in the Wildland Urban Interface areas.	
XLF:	8110-2041:0002	

11-23-11 bh



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## LISTING SERVICE



LISTING No. 8140-2084:0003

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CATEGORY: 8140 -- EXTERIOR WALL SIDING AND SHEATHING FOR WILDLAND URBAN INTERFACE (W.U.I)

LISTEE: WESTERN WOODS INC.P.O. Box 4402, Chico, CA 95973-4402 Contact: Kevin Richter (530) 343-5821 Fax (530) 343-3851 Email: kevinr@westernwoodsinc.com

**DESIGN:** Solid-sawn "Wood" siding with no through holes or loose knots, installed over structural plywood or oriented strand board (OSB) with a 7/16" minimum thickness and complying with Voluntary Product Standard PS1 or Voluntary Product Standard PS2, with the following interlocking designs when installed in accordance with industrial technical guide. Refer to the manufacturer's installation instructions and product data sheets.

a. Tongued & Grooved, Shiplap, V Shiplap (Edge Vee One Side): When applied in a horizontal orientation with minimum nominal 4" wide and nominal 1" thick boards made of wood species "Redwood", "Western Red Cedar", "Incense Cedar", "Port Orford Cedar", "Alaska Yellow Cedar", or any other wood species having a Flame Spread Rating not greater than 75 (Class B) when tested in accordance with ASTM E84. An additional face nail is to be added and shall be placed on the face, approximately 1" from the groove edge for T&G or overlapping edge for shiplap designs.

b. Tongued & Grooved, Shiplap, Channel Shiplap, V Shiplap (Edge Vee One Side): When applied in a vertical orientation with minimum nominal 4" wide and nominal 1" thick boards made of wood species "Redwood", "Western Red Cedar", "Incense Cedar", "Port Orford Cedar", "Alaska Yellow Cedar", or other wood species having a Flame Spread Rating not greater than 75 (Class B) when tested in accordance with ASTM E84. An additional face nail is to be added and shall be placed on the face, approximately 1" from the groove edge for the Tongue & Grove or overlaping edge for shiplap designs.

All nominal board sizes shall comply with the applicable provisions of American Softwood Lumber Standard DOC PS 20. Edge and end glued siding is permitted to be used interchangeably with solid sawn members. The recommended installation practice for solid wood siding in wall construction regarding butt and overlapping joints is: butt joints between pieces should be staggered a minimum of 12" and all butt joints should be flush with no gap. Nail joints into the studs or blocking members. One nail at each crossing with the wood frame support member shall be used for nominal 6" siding and 2 nails for nominal 8" or wider siding. Refer to the manufacturer's installation instructions and product data sheets.

**RATING:** Compliance with Chapter 7A of the California Building Code.

11-23-11 bh



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Authorized By: DAVID CASTILLO, Program Coordinator

- **INSTALLATION:** In accordance with listee's printed installation instructions, applicable codes and ordinances and in a manner acceptable to the authority having jurisdiction.
- MARKING: Listee name. Model number, rating and SFM label.
- APPROVAL: Listed as solid wood sidings for use in the Wildland Urban Interface areas.

**XLF:** 8140-2041:0003

11-23-11 bh



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## LISTING SERVICE



LISTING No.	8140-2084:0004	Page 1 of 1
CATEGORY:	8140 EXTERIOR WALL SIDING AND SHEATHING FOR WILDLAND URBAN	I INTERFACE (W.U.I)
LISTEE:	WESTERN WOODS INC.P.O. Box 4402, Chico, CA 95973-4402 Contact: Kevin Richter (530) 343-5821 Fax (530) 343-3851 Email: kevinr@westernwoodsinc.com	
DESIGN:	Solid-sawn "Wood" siding with no through holes or loose knots, installed over st plywood or oriented strand board (OSB) with a 7/16" minimum thickness and co Voluntary Product Standard PS1 or Voluntary Product Standard PS2, with the for interlocking designs when installed in accordance with industrial technical guide manufacturer's installation instructions and product data sheets.	mplying with bllowing
	Rabbeted Bevel: When applied in a horizontal orientation with minimum nominal nominal 1" thick boards made of a wood species "Redwood", "Western Red Ceded", "Port Orford Cedar", "Alaska Yellow Cedar", or any other wood species Flame Spread Rating not greater than 75 (Class B) when tested in accordance E84.	<mark>dar", "Incense</mark> having a
	All nominal board sizes shall comply with the applicable provisions of American Lumber Standard DOC PS 20. Edge and end glued siding is permitted to be use interchangeably with solid sawn members. The recommended installation practi wood siding in wall construction regarding butt and overlapping joints is: butt join pieces should be staggered a minimum of 12" and all butt joints should be flush Nail joints into the studs or blocking members. One nail at each crossing with th frame support member shall be used for nominal 6" siding and 2 nails for nomin siding. Refer to the manufacturer's installation instructions and product data sho	ed ice for solid nts between with no gap. e wood al 8" or wider
RATING:	Compliance with Chapter 7A of the California Building Code.	
INSTALLATION:	In accordance with listee's printed installation instructions, applicable codes and and in a manner acceptable to the authority having jurisdiction.	lordinances
MARKING:	Listee name. Model number, rating and SFM label.	
APPROVAL:	Listed as solid wood sidings for use in the Wildland Urban Interface areas.	
XLF:	8140-2041:0004	

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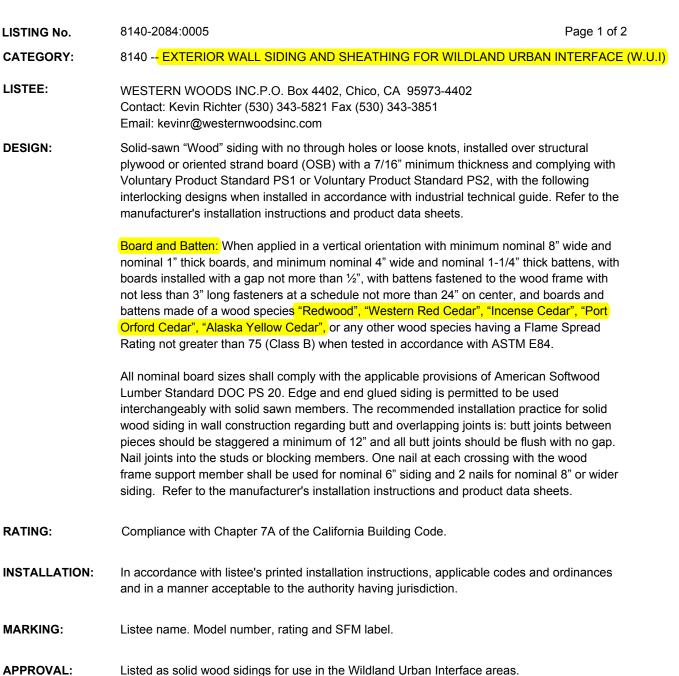
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## LISTING SERVICE



LISTING No.	8140-2084:0006	Page 1 of 2
CATEGORY:	8140 <mark>EXTERIOR WALL SIDING AND SHEATHING FOR WILDLAND URB</mark>	AN INTERFACE (W.U.I)
LISTEE:	WESTERN WOODS INC.P.O. Box 4402, Chico, CA 95973-4402 Contact: Kevin Richter (530) 343-5821 Fax (530) 343-3851 Email: kevinr@westernwoodsinc.com	
DESIGN:	Solid-sawn "Wood" siding with no through holes or loose knots, installed over plywood or oriented strand board (OSB) with a 7/16" minimum thickness and Voluntary Product Standard PS1 or Voluntary Product Standard PS2, with the interlocking designs when installed in accordance with industrial technical gu manufacturer's installation instructions and product data sheets.	complying with e following
	Board on Board: When applied in a vertical orientation with minimum nominal nominal 1" thick boards, and <sup>3</sup> / <sub>4</sub> " thick x 3-1/2" wide plywood inserts between boards and plywood inserts installed with a gap not more than 1/8" between the fastened to the wood frame with not less than 3" long fasteners at a schedule 24" on center, and boards made of a wood species "Redwood", "Western Reference Cedar", "Port Orford Cedar", "Alaska Yellow Cedar", or any other work having a Flame Spread Rating not greater than 75 (Class B) when tested in a ASTM E84.	boards, with hem and not more than <mark>d Cedar",</mark> pod species
	All nominal board sizes shall comply with the applicable provisions of Americ Lumber Standard DOC PS 20. Edge and end glued siding is permitted to be interchangeably with solid sawn members. The recommended installation pra- wood siding in wall construction regarding butt and overlapping joints is: butt pieces should be staggered a minimum of 12" and all butt joints should be flu Nail joints into the studs or blocking members. One nail at each crossing with frame support member shall be used for nominal 6" siding and 2 nails for nom- siding. Refer to the manufacturer's installation instructions and product data	used actice for solid joints between sh with no gap. the wood ninal 8" or wider
RATING:	Compliance with Chapter 7A of the California Building Code.	
INSTALLATION:	In accordance with listee's printed installation instructions, applicable codes a and in a manner acceptable to the authority having jurisdiction.	and ordinances
MARKING:	Listee name. Model number, rating and SFM label.	
APPROVAL:	Listed as solid wood sidings for use in the Wildland Urban Interface areas.	

11-23-11 bh



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DAVID CASTILLO, Program Coordinator

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