SECTION 06 13 00

REDWOOD LUMBER AND TIMBERS

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\*\* NOTE TO SPECIFIER \*\* Humboldt Sawmill; Redwood Lumber and Timbers
This section is based on the products of Humboldt Sawmill, which is located at:169 Main St.Scotia, CA 95565Tel: 707-764-4472 Fax: 707-764-4444Email: [request info (marketing@mendoco.com)](https://arcat.com/rfi?action=email&company=Humboldt%252BSawmill&message=RE%253A%2520Spec%2520Question%2520(06130hum)%253A%2520&coid=49314&spec=06130hum&rep=&fax=707-764-4444)
Web: <http://www.getredwood.com>
 [ [Click Here](https://arcat.com/company/humboldt-sawmill-49314) ] for additional information.
Humboldt Sawmill is the leading supplier of Forest Stewardship Council (FSC® C013133) certified redwood and Douglas-fir lumber products; logs are sourced from 440,000 acres of company-owned timberlands in California. An additional 400,000 acres are available under a long-term log purchase agreement. Products manufactured at company-owned mills include redwood decking, timbers, and uppers, as well as Douglas-fir joists and planks, posts and beams. All products available FSC certified at dealers and distributors throughout the Western U.S. and beyond.

1. GENERAL
	1. SECTION INCLUDES

\*\* NOTE TO SPECIFIER \*\* Delete items below not required for project.

* + 1. Redwood products including the following:
			1. Timbers.
			2. Decking.
			3. Siding.
			4. Lumber.
	1. RELATED SECTIONS

\*\* NOTE TO SPECIFIER \*\* Delete any sections below not relevant to this project; add others as required.

* + 1. Section 06 10 00 - Rough Carpentry.
	1. REFERENCES
		1. Redwood Inspection Service (RIS) Standard Specifications for Grades of California Redwood Lumber 2019 Edition.
		2. PS 20 - American Softwood Lumber Standard - US Department of Commerce, National Institute of Standards and Technology.
		3. ASTM E84: Standard Test Method for Surface Burning Characteristics of Building Materials.
		4. California Building Code Chapter 7A: Materials and Construction Methods for Exterior Wildfire Exposure.
		5. Forest Stewardship Council (FSC) Certification: Humboldt Sawmill.
			1. FSC 100 percent; FSC Mix, FSC Controlled Wood
				1. Certificate Code: SCS-COC-000180 Trademark License Code: FSC C013133
			2. Well Managed Multiple Natural Forest Management Units Certification
				1. Certificate Code: SCS-FM/COC-00120N Trademark License Code: FSC C031337
		6. Redwood Lumber Patterns No. 17.

\*\* NOTE TO SPECIFIER \*\* Delete references from the list below that are not actually required by the text of the edited section.

* 1. SUBMITTALS
		1. Submit under provisions of Section 01 30 00 - Administrative Requirements.
		2. Product Data: Manufacturer's data sheets on each product to be used, including:
			1. Preparation instructions and recommendations.
			2. Storage and handling requirements and recommendations.
			3. Installation methods.

\*\* NOTE TO SPECIFIER \*\* Delete the following if LEED certification is not applicable.

* + 1. LEED v4 Submittals: Provide documentation of how the requirements shall be met for the following credits:
			1. Building product disclosure and optimization - sourcing of raw materials
				1. Option 2. Leadership extraction practices (1 point). Wood products. Wood products must be certified by the Forest Stewardship Council (FSC) or USGBC-approved equivalent. Products meeting wood products criteria are valued at 100 percent of their cost for the purposes of credit achievement calculation.

\*\* NOTE TO SPECIFIER \*\* Delete the following if SITES certification is not applicable.

* + 1. SITES v2 Submittals: Provide documentation of how the requirements shall be met for the following credits:
			1. Credit 5.7: Support responsible extraction of raw materials
				1. Option 3. Support raw material suppliers and/or manufacturers that meet or exceed standards for raw material extraction (5 points). New wood products: be certified by the Forest Stewardship Council (FSC) (or local equivalent for products outside the United States).

\*\* NOTE TO SPECIFIER \*\* Delete the following if FSC certification is not applicable.

* + 1. FSC Submittals: Provide documentation indicating manufacturer is FSC Chain-of-Custody certified.
	1. DELIVERY, STORAGE, AND HANDLING
		1. Deliver and store products in manufacturer's unopened packaging bearing the brand name and manufacturer's identification until ready for installation.
		2. Handle materials to avoid damage.
		3. Store on a level surface with blocking to keep boards off the ground and provide uniform and adequate support.
		4. Redwood timbers contain water soluble extractives (tannins) which can stain concrete or other masonry. If stored over concrete, cover the concrete with a tarp to prevent staining in the event of rain.
	2. PROJECT CONDITIONS
		1. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's recommended limits.
	3. SEQUENCING
		1. Ensure that products of this section are supplied to affected trades in time to prevent interruption of construction progress.
1. PRODUCTS
	1. MANUFACTURERS
		1. Acceptable Manufacturer: Humboldt Sawmill, which is located at:169 Main St.Scotia, CA 95565Tel: 707-764-4472 Fax: 707-764-4444Email: [request info (marketing@mendoco.com)](https://arcat.com/rfi?action=email&company=Humboldt%252BSawmill&message=RE%253A%2520Spec%2520Question%2520(06130hum)%253A%2520&coid=49314&spec=06130hum&rep=&fax=707-764-4444);Web: <http://www.getredwood.com>

\*\* NOTE TO SPECIFIER \*\* Delete one of the following two paragraphs; coordinate with requirements of Division 1 section on product options and substitutions.

* + 1. Substitutions: Not permitted.
		2. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00 - Product Requirements.

\*\* NOTE TO SPECIFIER \*\* Delete if not required.

* 1. TIMBERS

\*\* NOTE TO SPECIFIER \*\* Select material required. Reference Redwood Inspection Service (RIS) Standard Specifications for Grades of California Redwood Lumber.

* + 1. Material: Redwood.
		2. Posts and Timbers:
			1. Grade: No. 2 Structural.
			2. Grade: Heart B.
			3. Grade: Construction Heart.

\*\* NOTE TO SPECIFIER \*\* Select either rough green or surfaced four sides.

* + - 1. Rough green.
			2. Surfaced four sides.
			3. Posts: 4 x 4.
			4. NOTE TO SPECIFIER \*\* Select post size required. Posts are typically 4 x 4 or larger (standard nominal sizes). Larger sizes are special order.
			5. Posts: 6 x 6.
			6. Posts: 8 x 8.
			7. Posts: 10 x 10.
			8. Posts: 12 x 12.

\*\* NOTE TO SPECIFIER \*\* Select beam size required. Beams are typically 4 x 6 or larger (standard nominal sizes). Larger sizes are special order.

* + - 1. Beams: 4 x 6.
			2. Beams: 4 x 8.
			3. Beams: 4 x 10.
			4. Beams: 4 x 12
			5. Beams: 6 x 8.
			6. Beams: 6 x 10.
			7. Beams: 6 x 12.
			8. Beams: 8 x 10.
			9. Beams: 8 x 12.
			10. Beams: 10 x 12.

\*\* NOTE TO SPECIFIER \*\* Available lengths are 8 to 24 feet.

* + - 1. Length: 8 feet minimum.
			2. Length: 24 feet maximum.

\*\* NOTE TO SPECIFIER \*\* Delete if not required.

* 1. DECKING
		1. Material: Redwood.
			1. Flame Spread per ASTM E84: Class B.
			2. California Building Code Chapter 7A: Materials and Construction Methods for Exterior Wildfire Exposure.
		2. Wood Decking:

\*\* NOTE TO SPECIFIER \*\* Select grade required.

* + - 1. Grade: Heart B.
			2. Grade: Construction Heart.
			3. Grade: B Grade.
			4. Grade: Construction Common.
			5. Grade: Heart Clear.
			6. Grade: Clear.

\*\* NOTE TO SPECIFIER \*\* Select decking size required. Grades may be available in other sizes.

* + - * 1. Size: 2 x 4.
				2. Size: 2 x 6.

\*\* NOTE TO SPECIFIER \*\* Select length required. Available lengths are 6 to 20 feet.

* + - * 1. Length: 6 feet minimum.
				2. Length: 20 feet maximum.

\*\* NOTE TO SPECIFIER \*\* Select spacing required.

* + - 1. Support Spacing, Decking Perpendicular to Supports: 24 inches (2x6).
			2. Support Spacing, Decking Perpendicular to Supports: 16 inches (2x4).
			3. Support Spacing, Decking Diagonal to Supports: 16 inches (2x6).
			4. Support Spacing, Decking Diagonal to Supports: 12 inches (2x4).

\*\* NOTE TO SPECIFIER \*\* Delete if not required.

* 1. SIDING
		1. Material: Redwood.
		2. Grade:

\*\* NOTE TO SPECIFIER \*\* Delete grades not required.

* + - 1. Heart Clear.
			2. Heart B.
			3. Clear.
			4. B Grade.
		1. Texture:

\*\* NOTE TO SPECIFIER \*\* Delete texture not required.

* + - 1. Surfaced.
			2. Saw-textured.
		1. Thickness: 1 inch, nominal.
		2. Width:

\*\* NOTE TO SPECIFIER \*\* Delete widths not required.

* + - 1. 4 inch, nominal.
			2. 6 inch, nominal.
			3. 8 inch, nominal.
			4. 10 inch, nominal.
		1. Length:

\*\* NOTE TO SPECIFIER \*\* Select length required. Available lengths are 6 to 20 feet.

* + - 1. Length: 6 feet, minimum.
			2. Length: 20 feet, maximum.
		1. Siding Patterns:

\*\* NOTE TO SPECIFIER \*\* Delete types not required. Reference California Redwood Association Redwood Lumber Patterns No. 17.

* + - 1. Bevel.
			2. Board and Batten.
			3. Rabbeted Bevel.
			4. Shiplap.
			5. Tongue and Groove.
		1. Pattern Number: Refer to Reference document, "Redwood Lumber Patterns No. 17".

\*\* NOTE TO SPECIFIER \*\* Delete if not required.

* 1. LUMBER
		1. Material: Redwood.
		2. Grade:

\*\* NOTE TO SPECIFIER \*\* Select grades required.

* + - 1. Construction Heart.
			2. Heart B.
			3. Heart Clear.
			4. Construction Common.
			5. B Grade.
			6. Clear.
		1. Surface:

\*\* NOTE TO SPECIFIER \*\* Select surfacing required.

* + - 1. Rough.
			2. Surfaced Four Sides.
			3. Surfaced One Side, Two Edges.
		1. Sizes:

\*\* NOTE TO SPECIFIER \*\* Select sizes required. Available in 1 x 2 through 1 x 12 and 2 x 2 through 2 x 12.

* + - 1. 1 x 2.
			2. 1 x 4.
			3. 1 x 6.
			4. 1 x 8.
			5. 1 x 10.
			6. 1 x 12.
			7. 2 x 2.
			8. 2 x 4.
			9. 2 x 6.
			10. 2 x 8.
			11. 2 x 10.
			12. 2 x 12.
		1. Lengths:

\*\* NOTE TO SPECIFIER \*\* Select lengths required. Available lengths are 6 to 20 feet.

* + - 1. Length: 6 feet, minimum.
			2. Length: 20 feet, maximum.
	1. FASTENERS

\*\* NOTE TO SPECIFIER \*\* Delete type of fastener not required.

* + 1. Material: Stainless steel.
		2. Material: Hot-dip galvanized steel.
1. EXECUTION
	1. EXAMINATION
		1. Do not begin installation until substrates have been properly prepared.
		2. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.
	2. PREPARATION
		1. Clean surfaces thoroughly prior to installation.
		2. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
	3. INSTALLATION
		1. Install in accordance with manufacturer's instructions.
		2. Finish products in accordance with manufacturer's instructions.
		3. Use only corrosion resistant fasteners. Acceptable are stainless steel or hot-dipped galvanized nails.
		4. Joints shall fall over framing lumber and shall be double nailed. Do not nail any less than 1/2 inch from any edge and fasten at a minimum of every 24 inches on center.
		5. Drive nails perpendicular to the framing lumber and the wood product; drive nails flush with the product's surface. Nails shall penetrate at least 1-1/4 inches into the structural framing.
	4. PROTECTION
		1. Protect installed products until completion of project.
		2. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION