

SECTION 060530
CERTIFIED WOOD TYPES

CSI 3-PART **SHORT-FORM** GUIDE SPECIFICATION:
USE FOR OUTLINE OR DD SPECIFICATION ISSUES.
EDIT TO SUIT PROJECT

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Work of this Section consists of certified and sustainable hardwood and softwood timber, and includes but is not limited to the following:
 - 1. Logs
 - 2. Rough cut lumber
 - 3. Veneer leaves
 - 4. Project site trees
- B. Related Documents and Sections: Examine Contract Documents for requirements that directly affect or are affected by Work of this Section. A list of those Documents and Sections include, but is not limited to the following:
 - 1. Drawings and general provisions of the Contract, including General and Supplementary Conditions and General Requirements, DIVISION 01 Specification Sections, apply to this Section.

1.2 SUBMITTALS

NOTE: Design professional should visit the lumberyard to view-select lumber for finished wood products to be incorporated into the Project that showcases specifically desired colors and grain patterns.

- A. Samples: Provide lumber samples of each wood species and slice or cut selected that indicates widest possible variation in color and grain patterns that may be supplied.
 - 1. Sample Types: Rough cut lumber; Planed lumber; Veneer leaves
- B. Quality Assurance Submittals per SECTION 014000 and as follows:
 - 1. Certificates: ALSC Certificates of Grade; Kiln-dried (KD) Certificates

NOTE: Edit LEED Requirements below to suit project.

- C. Sustainable Design (USGBC [LEED®](#)) Submittals:
 - 1. LEED Credit MR, Materials & Resources. Submit completed LEED-NC 2.2 Submittal Templates, and other required paperwork as follows:
 - a. MR 5.1: 10% Regional Materials, product data
 - b. MR 5.2: 20% Regional Materials, product data
 - c. MR 7: FSC Certified Wood, chain-of-custody certificates
- D. Closeout Submittals per DIVISION 01: Record Documents.

NOTE: Edit LEED Requirements below to suit project.

- 1. Sustainable Design Closeout Documentation: Submit completed USGBC LEED® [worksheet](#)

[templates](#) for the following credits:

- a. MR 5.1, MR 5.2, MR 7

1.3 QUALITY ASSURANCE

NOTE: Coordinate and edit to the correct Section number below.

- A. Qualifications: The following entities shall follow FSC or PEFC Member sustainable principles and CoC requirements as certified by an independent third-party certifier:
 1. Tree Lots or Forest: Tree lot or forest owner(s)
 2. Timber Brokers and Vendors
 3. Lumber Yard, Air or Kiln-Dryer and Sawmill
 4. Woodworker or Fabricator or Manufacturer
- B. Certifications: Logs, wood planks and manufactured wood products shall be sourced from sustainably managed forests as certified by SmartWood, SCS, BVC, PwC, and displaying the FSC or PEFC or PEFC Member label.

NOTE: USGBC currently recognizes only FSC certified wood for LEED Credits, although there are current discussions at USGBC to revise MR credit 7 to set their own benchmark standards that the various certifications then need to meet. This [link](#) is to an in-depth Feb 2008 Yale report to USGBC regarding this issue.

NOTE: Select the certified requirement or standard to be used below and delete the ones not selected.

1. FSC. Forest Stewardship Council, '[Principles and Criteria](#)', [FSC-STD-40-004 CoC](#) requirements, as verified through Third-Party [Certifiers](#)
2. [PEFC](#). Programme for the Endorsement of Forest Certification [schemes](#) as verified through Third-Party verification according to the [ISO 14001](#) EMS standard, and as verified through Third-Party verification of PEFC member and their certifiers as follows:

NOTE: ATFS Logo is used only by US tree farm owners.

- a. [ATFS](#). American Tree Farm System
- b. [SFI](#). Sustainable Forestry Initiative (USA) ([SFI CoC Requirements](#))
- c. [CSA](#). Canadian Standards Association (Canadian [CAN/CSA-Z809](#) standard)

- C. Source Limitations: Timber harvested from sustainably managed forests located:

NOTE: Chose one of the following deleting the rest..

1. Less than 500 miles (805 km) from the project site per LEED MR credit 7.
2. In the northern forest area.
3. In the state of Vermont.

1.4 DELIVERY, STORAGE, AND HANDLING

- A. Delivery, Storage and Handling per DIVISION 01 requirements and as follows:

1. Delivery and Acceptance Requirements:
 - a. Deliver to Project site in an undamaged condition, in original and undamaged bundles bearing certifier's intact labels.
 - b. Inspect shipped materials on delivery to ensure compliance with requirements of Contract Documents and that products are undamaged and properly protected. Reject damaged goods and accept properly ordered, protected and undamaged goods.

2. Storage and Handling Requirements
 - a. Shipper shall protect products from soiling, damage, deterioration, and loss.
 - b. Protect materials from damage during shipping, handling and construction operations, in accordance with industry standards, and fabricator's or manufacturer's recommendations.
 - c. Store certified materials separately for auditing.
3. Packaging Waste Management: Require that manufacturers, fabricators, suppliers and shippers provide least amount of packaging and strapping that adequately and properly protects, supports and contains the items shipped, and is reusable, returnable or recyclable.

PART 2 - PRODUCTS

NOTE: The following FSC / SmartWood certified companies utilizing northern forest wood are listed by state.

2.1 FSC / [SMARTWOOD CERTIFIED COMPANIES](#) – NORTHERN FOREST AREA

Vermont

A. Available Certified Wood: Lumber

1. Allard Lumber Company, Brattleboro, VT; 802.254.4939x23; [SmartWood Certification](#)
2. Champlain Hardwoods, Inc., Essex Junction, VT; 802.878.5000; [SmartWood Certification](#)
3. Gagnon Lumber Inc., Pittsford, VT; 802.483.6550; [SmartWood Certification](#)
4. Residents' Committee to Protect the Adirondacks (CoC), North Creek, NY; 518.251.4257x14; [SmartWood Certification](#)
5. HHP, Inc., Henniker, NH; 603.428.3298; [SmartWood Certification](#)
6. Northland Forest Products, Inc., Kingston, NH; 603.642.3665; [SmartWood Certification](#)
7. American Pride, LLC, Guilford, ME; 207.876.4600; [SmartWood Certification](#)
8. Hammond Lumber Company, Belgrade, ME; 207.495.1127; [SmartWood Certification](#)

B. Available Certified Wood: Furniture

1. Copeland Furniture, Bradford, VT; 802.222.9282; [SmartWood Certification](#)
2. Newport Furniture Parts Corp dba Newport Panels Corporation & Newport Gliders, Newport, VT; 802.334.5428x104; [SmartWood Certification](#)
3. [Wall/Goldfinger, Inc.](#), Northfield, VT; 802.485.6261x4985; [SmartWood Certification](#)
4. Residents' Committee to Protect the Adirondacks (CoC), North Creek, NY; 518.251.4257x14; [SmartWood Certification](#)
5. Telescope Casual Furniture, Granville, NY; 518.642.1100; [SmartWood Certification](#)
6. DCI, Inc., Lisbon, NH; 603.838.6544x611; [SmartWood Certification](#)
7. Newport Furniture Parts Corp dba Newport Panels Corporation & Newport Gliders, Newport, VT; 802.334.5428x104; [SmartWood Certification](#)
8. R.K. Miles, Inc., Manchester Center, VT; 802.362.1952x614; [SmartWood Certification](#)
9. Hammond Lumber Company, Belgrade, ME; 207.495.1127; [SmartWood Certification](#)

C. Moldings

1. Residents' Committee to Protect the Adirondacks (CoC), North Creek, NY; 518.251.4257x14; [SmartWood Certification](#)
2. Boyce Highlands Inc., Concord, NH; 603.753.1042; [SmartWood Certification](#)
3. Katahdin Forest Products, Inc., Oakfield, ME; 207.757.9342; [SmartWood Certification](#)

D. Flooring

1. Carlisle Wide Plank Floors, Stoddard, NH; 303.893.3937; [SmartWood Certification](#)
2. American Pride, LLC, Guilford, ME; 207.876.4600; [SmartWood Certification](#)
3. Katahdin Forest Products, Inc., Oakfield, ME; 207.757.9342; [SmartWood Certification](#)

2.2 DESCRIPTION

A. Regulatory Requirements:

1. Timber and Lumber per US Dept. of Commerce Voluntary Standard [PS20-99](#)
2. Pressure Treated Lumber per (SPIB) Southern Pine Inspection Bureau, www.spib.org

B. Sustainability Characteristics

NOTE: Coordinate and edit below to the correct [LEED](#) Version and [Rating](#) selected.

1. USGBC LEED Rating: Comply with project requirements intended to achieve [LEED-NC v. 2.2 Platinum](#) rating, as measured and documented per USGBC LEED® Green Building Rating System
2. Applicable LEED Credits: Performance requirements of the following LEED Categories and Credits apply to this Section and are met as follows:
 - a. Materials & Resources (MR):
 - b. MR Credit 5.1 and MR 5.2: Wood cut, fabricated & installed all within 500 miles.
 - c. MR Credit 7: FSC or Forest Stewardship Council certified wood.

2.3 CERTIFIED FOREST OPERATIONS

A. FSC / [SmartWood Certified Resource Managers](#)

1. Vermont Timber
 - a. Essex Timber Company, LLC, Ipswich, MA; 978.356.5995; [SmartWood Forest Management Public Summary](#) (*manages old Champion International lands*)
 - b. Fountain Forestry Incorporated, Montpelier, VT; 802.223.8644; [SmartWood Forest Management Public Summary](#)
 - c. Marsh-Billings-Rockefeller National Historical Park, Woodstock, VT; 802.457.3368; [SmartWood Forest Management Public Summary](#)
 - d. Redstart Forestry, Corinth, VT; 802.434.5491; [SmartWood Forest Management Certification Assessment](#)
 - e. Vermont Family Forests, Middlebury, VT; 802.388.4969; [SmartWood Forest Management Public Summary](#)
2. New York – Adirondack Timber
 - a. Finch Paper LLC, Glens Falls, NY; 518.793.2541x5353; [SmartWood Forest Management Public Summary](#)
 - b. Langley Park Associates, Long Lake, NY; [SmartWood Forest Management Public Summary](#)
 - c. Lyme Northern Forest Fund-Chateaugay Woodlands, Vermontville, NY; 603.643.3300; [SmartWood Forest Management Public Summary](#)
 - d. Paul Smith's College, Paul Smiths, NY; 518.327.6436; [SmartWood Forest Management Public Summary](#)
 - e. Residents' Committee to Protect the Adirondacks, North Creek, NY; 518.251.4257; [SmartWood Forest Management Public Summary](#)
3. New Hampshire Timber
 - a. Lyme Northern Forest Fund, Hanover, NH; 603.643.3300; [SmartWood Forest Management Public Summary](#)
 - b. Meadowsend Timberlands Limited/The Ecosystem Management Company, New London, NH; 603.526.8686; [SmartWood Forest Management Public Summary](#)

- c. New England Forestry Consultants, Inc. (NEFCO), Warner, NH; 866.609.6332; [SmartWood Forest Management Public Summary](#)
 - d. Wagner Forest Management, LTD., Lyme, NH; 603.795.2002; [SmartWood Forest Management Certification Assessment](#)
4. Maine Timber
 - a. Downeast Lakes Land Trust, Grand Lake Stream, ME; 207.796.2100; [SmartWood Forest Management Public Summary](#)
 - b. Hancock Land Company, Casco, ME; (207).627.7764; [SmartWood Forest Management Public Summary](#)
 - c. Two Trees Forestry, Winthrop, ME; 207.377.7196; [SmartWood Forest Management Public Summary](#)
 - d. The Trust to Conserve Northeast Forestland, Hebron, ME; 207.966.3031; [SmartWood Forest Management Public Summary](#)

NOTE: The following FSC / SCS certified companies utilizing northern forest wood are listed by state. There are no SCS certified companies from Vermont.

B. FSC / [SCS CERTIFIED COMPANIES](#) – NORTHERN FOREST AREA

New York (Adirondacks)

1. State of New York DEC, Bureau of State Lands Management, Albany, NY; 518.402.9428; SCS-FM/COC-00104N

Maine

2. Baskahegan Company, Brookton, ME; 207.448.2224; SCS-FM/COC-00079N
3. Maine Bureau of Parks and Lands, Augusta, Maine; 207.287.7271; SCS-FM/COC-00042N
4. Mid-Maine Forestry, Warren, Maine; 207.273.4046; SCS-FM/COC-00049GN
5. Prentiss & Carlisle Management Company, Inc., Bangor, Maine; 207.942.8295; SCS-FM/COC-00103G
6. Seven Islands Land Company, Bangor, ME; 207.947.0541; SCS-FM/COC-00005N

NOTE: SGS is used primarily outside the USA. There are no FSC / SGS certified companies utilizing northern forest wood.

NOTE: BVC is used primarily outside the USA. There are no [FSC](#) / BVC certified companies utilizing northern forest wood.

C. SUSTAINABLE FORESTRY INITIATIVE, [SFI CERTIFIED COMPANIES](#) – NORTHERN FOREST AREA

1. Hancock Timber Resource Group; www.htrg.com; BVC-SFIS-164267
2. Lyme Adirondack Forest Company, LLC; www.lymetimber.com; BVC-164030-A-LN

D. ATFS. American Tree Farm System – NORTHERN FOREST AREA

NOTE: Owner contact information and locations of ATFS tree lots or forests are available through the state forester or consulting ATFS forester.

1. STATE FORESTERS
 - a. VT: Steve Sinclair; Dept. of Forests, Parks and Recreation, Waterbury, VT; 802.241.3677; ssinclair@fpr.anr.state.vt.us
 - b. NY: Robert K. Davies, NYS Dept. of Environmental Cons., Albany, NY; 518.402.9405; rkdavies@gw.dec.state.ny.us
 - c. NH: Philip Bryce, Division of Forests & Lands, Concord, NH; 603.271.2214; p_bryce@dred.state.nh.us
 - d. ME: Alec Giffen, ME Forest Service, Augusta, ME; 207.287.2791;

Alec.Giffen@state.me.us

2. CONSULTING ATFS FORESTERS:
 - a. VT: Kathleen Wanner; VT Woodlands Association, Rutland, VT; 802.747.7900; kwanner@vermontwoodlands.org
 - b. NY: Liana Gooding, NY Tree Farm Office, Lima, NY; 800.836.3566; nytreefarm@hotmail.com
 - c. NH: Ann McCoy, Society for the Protection of NH Forests, Concord, NH; 603.224.9945 x32; amccoy@spnhf.org
 - d. ME: Mike Dann, Dixmont, ME; 207.626.0005; Mike@swoam.org

NOTE: There are no CSA certified forests in the US.

2.4 HARDWOOD MATERIALS

- A. Provide solid wood lumber and veneers per performance requirements. Provide plain or quarter sawn lumber and sliced or rotary veneers as indicated. Do not provide finger-jointed wood unless clearly indicated in the Contract Documents. Provide sustainably managed or FSC hardwood called out by the Contract Documents from the following list of wood types:

1. Red **Alder**, ([Alnus rubra](#))
2. Ash
 - a. European or Common Ash, ([Fraxinus excelsior](#)) [link](#)
 - b. Green Ash, ([Fraxinus pennsylvanica](#))
 - c. White Ash, ([Fraxinus americana](#))
3. Aspen
 - a. Bigtooth Aspen, ([Populus grandidentata](#))
 - b. Trembling or Quaking Aspen, ([Populus tremuloides](#))
4. American **Basswood**, ([Tilia americana](#))
5. Beech
 - a. American Beech, ([Fagus grandifolia](#))
 - b. European Beech, ([Fagus sylvatica](#)) [link](#)
6. Birch
 - a. Silver Birch, ([Betula pendula](#)) [link](#)
 - b. Sweet Birch, or Black Birch or Cherry Birch, ([Betula lenta](#))
 - c. White or Paper Birch, ([Betula papyrifera](#))
 - d. Yellow Birch (Yellow sapwood), ([Betula alleghaniensis](#))
7. **Boxelder** ([Acer negundo](#))
8. American Black **Cherry**, ([Prunus serotina](#))
9. Elm
 - a. American Elm, ([Ulmus Americana](#))
 - b. Slippery Elm, ([Ulmus rubra](#)) [link](#) [link](#)
10. Hickory
 - a. Bitternut Hickory ([Carya cordiformis](#))
 - b. Pignut Hickory, ([Carya glabra](#))
 - c. Red Hickory, ([Carya ovalis](#)) [link](#)
 - d. Shagbark Hickory, ([Carya ovata](#)) [link](#)
11. **Ironwood** or Eastern Hophornbeam or Hardhack, ([Ostrya virginiana / virginianus](#)) [link](#) [link](#)
12. Black **Locust**, ([Robinia pseudoacacia](#))
13. Hard **Maple**: White Maple or Sugar Maple, ([Acer sacharrum](#))
14. Soft Maple
 - a. Red Maple, ([Acer rubrum](#))
 - b. Silver Maple ([Acer saccharinum](#))
15. Oak
 - a. Black Oak ([Quercus velutina](#))
 - b. Chestnut Oak, ([Quercus prinus](#))
 - c. Northern Red Oak, ([Quercus rubra](#))

- d. Red Oak, (*Quercus borealis*) [link](#) [link](#)
- e. White Oak, (*Quercus alba*)
- 16. Yellow **Poplar**, American Tulipwood, (*Liriodendron tulipifera*)
- 17. American **Sycamore**, (*Platanus occidentalis*)
- 18. Walnut
 - a. Black Walnut, (*Juglans nigra*)
 - b. Butternut (Walnut family,) (*Juglans cinerea*) [link](#) [link](#)
- 19. Black **Willow**, (*Salix nigra*)

2.5 SOFTWOOD MATERIALS

- A. Provide solid wood lumber and veneers per performance requirements. Provide plain or quarter sawn lumber and sliced or rotary veneers as indicated. Do not provide finger-jointed wood unless clearly indicated in the Contract Documents. Provide sustainably managed or FSC softwood called out by the Contract Documents from the following list of wood types:
 - 1. Eastern **Spruce**
 - a. Black Spruce [*Picea mariana*]
 - b. Norway Spruce, [*Picea abies*] [link](#)
 - c. Red (Yellow) or Adirondack Spruce, [*Picea rubens*]
 - d. White Spruce, [*Picea glauca*]
 - 2. Pine
 - a. Eastern White Pine, [*Pinus strobus*]
 - b. Jack Pine, [*Pinus banksiana*]
 - c. Red Pine, [*Pinus resinosa*]
 - d. Scotch Pine, [*Pinus sylvestris*]
 - e. Loblolly (Southern Yellow) Pine, [*Pinus taeda*]
 - 3. Fir
 - a. Balsam Fir [*Abies balsamea*]
 - b. Douglas Fir, [*Pseudotsuga menziesii*]
 - c. Silver Fir [*Abies alba*] [link](#)
 - d. White Fir [*Abies concolor*]
 - 4. Eastern (Northern) **White Cedar**, [*Thuja occidentalis*]
 - 5. Eastern **Redcedar** [*Juniperus virginiana*]
 - 6. Eastern **Hemlock**, [*Tsuga canadensis*]
 - 7. **Larch** (Tamarack), [*Larix laricina*]

PART 3 - EXECUTION

3.1 CLEANING AND PROTECTION

- A. Provide Progress Cleaning and Provide Final Cleaning per DIVISION 01 requirements.
 - 1. Waste Management per DIVISION 01 requirements.
 - 2. Provide environmentally safe pest control per DIVISION 01.
 - 3. Provide protection per DIVISION 01, industry standards, and fabricator's or manufacturer's written recommendations.

3.2 CLOSEOUT ACTIVITIES

- A. Substantial Completion Requirements per DIVISION 01 requirements: Closeout procedures, and sustainable design closeout documentation.

END OF SECTION

NOTE: Please **contact us** with comments, additions and deletions about this GuideSpec so we can make it better.

VERMONT SUSTAINABLE JOBS FUND

3 Pitkin Court, Suite 301E, Montpelier, Vermont 05602

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RED NOTE: Be sure to obtain the latest version of this Guide Specification.

This Guide Specification is not a completed document ready for use. It must be edited, deleting, adding, or modifying text, as required to suit project requirements.

The professional stamping and the contracting parties of the Contract Documents are responsible for the accuracy of issued project specifications, including any use of this Guide Specification.

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