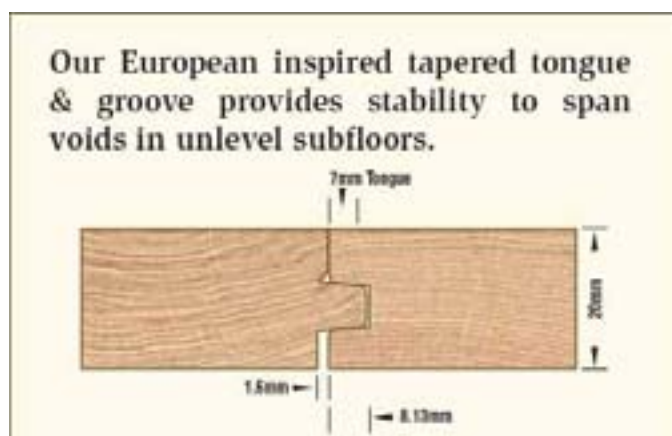


CASTLE PLANK

SUPERIOR WIDE PLANK FLOORING

- **Castle Plank** introduces Solid Wood Flooring of exceptional dimensions.
- With widths up to 16 inches and lengths up to 16 feet. **Massive dimensions are our specialty.**
- Our location is centered in the slow growth Northern regions of high quality White Oak and Walnut forests. This timber produces tight grain, consistent color and stability in our wide plank flooring.
- Select from a large variety of hardwood species:
 - White Oak
 - Red Oak
 - Walnut
 - Ash
 - Hard Maple
 - Cherry
 - Hickory
 - Antique Heart Pine
 - Antique Oak
- Our manufacturing process provides for laser straight precision milling that makes for **easy installation.**
- Castle Plank floors contain both **Prime and Rustic Qualities.**
- Ask about our custom textured face options: Hand Scraping & Wire Brushing.
- We also offer Custom Finishing. Natural Oils, which are **100% VOC Free**, and six-layer UV urethane.



CASTLE PLANK

SUPERIOR WIDE PLANK FLOORING

STANDARD FLOORING SIZES and GRADES

Finished Flooring Size		Grade	
mm	inches	Prime	Rustic
57	2 1/4	X	
70	2 3/4	X	
90	3 1/2	X	
100	4	X	
120	4 3/4	X	X
130	5	X	X
140	5 1/2	X	X
155	6 1/4	X	X
165	6 1/2	X	X
180	7	X	X
200	7 3/4	X	X
220	8 3/4	X	X
240	9 1/2	X	X

Custom Widths and Lengths Available.

SECTION 096410 – CASTLE PLANK SOLID WOOD FLOOR

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes factory finished or unfinished solid wood flooring.

1.3 SUBMITTALS

- A. Samples for Verification: As Requested by Architect.

1.4 DELIVERY, STORAGE, AND HANDLING

- A. Deliver wood flooring materials in unopened cartons or bundles.
- B. Protect wood flooring from exposure to moisture. Do not deliver wood flooring until after concrete, masonry, plaster, ceramic tile, and similar wet work is complete and dry.
- C. Store wood flooring materials in a dry, warm, ventilated, weather-tight location.

1.5 PROJECT CONDITIONS

- A. Conditioning period begins not less than seven days before wood flooring installation, is continuous through installation, and continues not less than seven days after wood flooring installation.
 - 1. Environmental Conditioning: Maintain an ambient temperature between 65 and 75 deg F (18 and 24 deg C) and relative humidity between 40-60% as planned for building occupants in spaces to receive wood flooring during the conditioning period.
 - 2. Wood Flooring Conditioning: Move wood flooring into spaces where it will be installed, no later than the beginning of the conditioning period.
 - a. Do not install flooring until it adjusts to relative humidity of, and is at same temperature as, space where it is to be installed.
 - b. Open sealed packages to allow wood flooring to acclimatize immediately on moving flooring into spaces in which it will be installed.
- B. After conditioning period, maintain relative humidity and ambient temperature planned for building occupants.

- C. Install wood flooring after other finishing operations, including painting, have been completed.

PART 2 - PRODUCTS

2.1 WOOD FLOORING

- A. Castle Plank Solid-Wood, Plank Flooring:
1. Castle Plank Solid Wood Floor as provided from "Historic Timber and Plank", 16092 Lageman Lane, Brighton, IL 62012. Toll Free: 877 297 2228 Telephone: 618 372 4546 or Fax: 618 372 3788.
 2. Species: *[Select Species]*.
 3. Grade: *[Select Grade]*.
 4. Thickness: *[Select Thickness]*.
 5. Width: *[Select Width]*.
 6. Length: *[Select Length]*.
 7. Edge Style: *[Select Edge Style]*.
 8. Finish: *[Select Finish and Color]*.

2.2 ACCESSORY MATERIALS

- A. Trowelable Leveling and Patching Compound: Latex-modified, hydraulic-cement-based formulation approved by wood flooring manufacturer.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas and conditions, with Installer present, for compliance with requirements for maximum moisture content, installation tolerances, and other conditions affecting performance of wood flooring.
1. Verify that substrates comply with tolerances and other requirements specified in other Sections.
 2. Proceed with installation only after unsatisfactory conditions have been corrected.
- B. Concrete Moisture Testing: Perform anhydrous calcium chloride test per ASTM F 1869, as follows:
1. Perform tests so that each test area does not exceed 200 sq. ft. (18.6 sq. m) and perform not less than 2 tests in each installation area with test areas evenly spaced in installation area.
 2. Proceed with installation only after substrates have maximum moisture-vapor-emission rate of 3 lb of water/1000 sq. ft. (1.36 kg of water/92.9 sq. m) in 24 hours.
 3. Perform alkalinity and adhesion tests according to NWFA's "Installation Guidelines: Wood Flooring." Latest Edition. Proceed with installation only after substrates pass testing.

3.2 PREPARATION

- A. Grind high spots and fill low spots on concrete substrates to produce a maximum 1/8-inch (3-mm) deviation in any direction when checked with a 10-foot (3-m) straight edge.
 - 1. Use trowelable leveling and patching compounds, according to manufacturer's written instructions, to fill cracks, holes, and depressions in substrates.
- B. Remove coatings, including curing compounds, and other substances on substrates that are incompatible with installation adhesives and that contain soap, wax, oil, or silicone, using mechanical methods recommended by manufacturer. Do not use solvents.
- C. Broom or vacuum clean substrates to be covered immediately before product installation. After cleaning, examine substrates for moisture, alkaline salts, carbonation, or dust. Proceed with installation only after unsatisfactory conditions have been corrected.

3.3 INSTALLATION

- A. Comply with flooring manufacturer's written installation instructions.

3.4 PROTECTION

- A. Protect installed wood flooring during remainder of construction period with covering of heavy Kraft paper or other suitable material. Do not use plastic sheet or film that might cause condensation.
 - 1. Do not move heavy and sharp objects directly over Kraft-paper-covered wood flooring. Protect flooring with plywood or hardboard panels to prevent damage from storing or moving objects over flooring.

END OF SECTION 09 64 10