

WOOD FLOORING

PART ONE: GENERAL

1.1 Description

1.1.1 Work in this Section, as shown or specified, shall be provided by the Interior Contractor and shall be in accordance with the requirements of the Contract Documents.

1.1.2 Work in this section includes all labor, materials, equipment, and services necessary to complete the Wood Flooring as shown on the drawings and specified herein, including, but not limited to, the following:

- a. Moisture protection above substrate.
- b. Furnishing, cutting, fabricating, delivery, and setting of all Wood Flooring, molding and/or base.
- c. Substructure as required by manufacturer.
- d. All fastening devices and accessories necessary for complete installation.
- e. Shop Drawings and samples for work of this

Section.

1.1.3 Related work in other sections:

- a. Interior Stone Section 04401.
- b. Stone Flooring Section 09600.
- c. Millwork Section 06410.
- d. Finish Carpentry Section 06200.
- e. Carpet Section 09680.

1.2 Submittals

- 1.2.1 All submittals shall be made according to Section 01300 and as specified herein.
- 1.2.2 Submit the following to the Consultant for approval prior to construction and fabrication.
 - a. Shop Drawings, indicating fabrication and then installation methods, to include plans at not less than 1/2" = 1'-0" (or 1:20) scale and details at not less than 3" = 1'-0" (1:5) scale. Indicate required field dimensions, materials, finishes, substructure, all fastening devices and accessory items. Include coordination details for related and adjoining work.
 - b. Two (2) sample panels, approximately 18" x 18" (450 x 450 mm), mounted on hardboard back-up of each species of wood, cut, pattern and finish specified. Samples shall be representative of the expected range of variation in wood and finish. Samples shall be fire retardant treated wood where such has been specified.
 - c. Two (2) samples of each trim and base in finish specified. Each shall be full member width and thickness and approximately 18" (450 mm) long.

1.3 Documentation

- 1.3.1. The drawings and specifications are an outline of the criteria and performance requirements of the work. The requirements shown by the details are intended to establish basic dimensions and profiles of members. Within these parameters, the Interior Contractor is responsible for the design and engineering of the floor and support system, including whatever modifications or additions may be required to meet the specified requirements and maintain the visual design concept.
- 1.3.2 It is recognized that the design details do not cover every condition. It is intended that any conditions not detailed shall be developed through the Interior Contractor's Shop drawings in compliance with performance criteria, as indicated for detailed areas and stipulated in these specifications.

1.4 Quality Assurance

- 1.4.1 All Wood Flooring and trim shall be installed using experienced, skilled workmen to the highest standard of workmanship. The finished appearance of the floor shall be free from warping, swelling, cracking, or any other defects due to faulty workmanship.
- 1.4.2 All work and materials shall conform to the drawings and specifications; any changes or deviations in materials or methods must be approved by the Consultant.
- 1.4.3 Materials used in fabrication of this work shall be new and the best grade obtainable of their respective types.
- 1.4.4 Obtain flooring materials from only Manufacturers who will, when requested, send a qualified technical representative to the project site to advise the Installer of proper installation procedures.
- 1.4.5 The Interior Contractor shall be responsible for taking accurate job site measurements for all dimensions related to the Work.
- 1.4.6 The Interior Contractor shall examine all conditions pertaining to the installation of Wood Flooring and shall provide all coordination as required to achieve the proper and timely completion of the installation.
- 1.4.7 The Interior Contractor will not change brands of materials during the course of the Work, unless approved by Consultant.

1.5 Codes and Standards

- 1.5.1 Wood floor and substructure shall meet requirements of, and all work shall be performed in accordance with, the applicable local and state Building Codes, or the requirements of this Specification, whichever are more stringent. Comply with all laws, ordinances, rules and regulations and orders of any public authority having jurisdiction over this part of the work.
- 1.5.2 Interior Contractor shall be responsible for securing approval when required from the State Fire Marshall on

all materials to be used. A letter from the Fire Marshall's office shall be sent to the Owner indicating such approval where required.

1.5.3 Wood Flooring and installation system shall conform to, but not be limited to the following codes and standards:

- a. Architectural Woodwork Institute (A.W.I.)
- b. American National Standards Institute (ANSI)
- c. American Society for Testing and Materials (A.S.T.M.)

1.6 Product Handling

1.6.1 Use all means necessary to protect the materials of this Section before, during and after installation and to protect the work and materials of all other trades.

1.6.2 In the event of damage, immediately make all repairs and replacements needed to the approval of the Consultant and at no additional cost to the Owner.

1.7 Guarantee

1.7.1 Interior Contractor shall provide a written guarantee stating that the Wood Flooring has been installed in accordance with all Manufacturer's recommendations and directions. Unless stated otherwise in these Specifications, guarantee shall also state that all work is in accord with drawings and Specifications, as amended by any changes thereto authorized by the Consultant, free from defects in materials and workmanship for a period of five (5) years from the date of acceptance of the work by the Owner. Interior Contractor shall agree to repair or replace defective materials and workmanship during the guarantee period at no additional cost to the Owner.

PART TWO: PRODUCTS

2.1 Products

2.1.1 Wood Flooring shall be in the wood species, cut, pattern and finish as shown by the Manufacturers and the drawings and specified herein, or an approved equal (See

Section 0100).

- 2.1.2 Substructure of Wood Flooring shall be constructed of materials and methods as recommended by Wood Floor Manufacturer.
- 2.1.3 Trim, base and accessories shall be provided as required for complete installation as specified herein, on drawings, and as recommended by Manufacturer.

PART THREE: EXECUTION

3.1 Inspection

- 3.1.1 It is the responsibility of the Interior Contractor to see that the floor surface is properly prepared to receive Wood Flooring as specified.
- 3.1.2 Review installation procedures and coordination with other work, and with other Subcontractors whose work will be affected by the Wood Flooring.
- 3.1.3 Advise General Contractor of requirements relating to his placement of any inserts which are to be used for anchoring and supporting Wood Flooring.

3.2 Conditions of Surfaces

- 3.2.1 Allowable variations in substrate levels shall be as recommended by Flooring Manufacturer or as follows, whichever is more stringent:
 - a. Floors: Plus/minus 1/8" (3 mm) in 10'-0" (3 M) distance and 1/4" (6 mm) total maximum variation from levels shown.
- 3.2.2 Grind or fill concrete and masonry substrates as required to comply with allowable variations.

3.3 Preparation

- 3.3.1 Treat each concrete substrate as may be required to remove curing compounds or other substances that would interfere with proper installation of Wood Floor. Clean substrate of all traces of such treatment.

3.3.2 Perform moisture tests on concrete slabs to determine that concrete surfaces are sufficiently cured and are ready to receive installation.

3.3.3 Provide moisture protection above substrate as recommended by Wood Flooring Manufacturer.

3.4 Allowable Tolerances

3.4.1 Allowable variations in finished work: Do not exceed the following deviations from level and plumb, and from elevations, locations, slopes and alignment shown.

- a. Floors: 1/8" (3 mm) in 10'-0" (3 M) run, any direction; 1/32" (1 mm) offset at any location.

3.5 Installation

3.5.1 Install Wood Floor only after all masonry, plastering, tile, marble and terazzo work has been completed and permanent heating system is operating. Moisture content of concrete slabs, building air temperature and relative humidity must be maintained within limits recommended by Wood Flooring Manufacturer.

3.5.2 The construction and preparation of the subfloors shall be in strict accordance with the Manufacturer's recommendations. The installation procedure of the Wood Floors to be laid thereon shall conform in all respects to the laying instructions of the Manufacturer. Extend Wood Floor into toe spaces, door reveals, and into closets and similar openings.

3.5.3 Maintain reference markers, holes, or openings that are in place or plainly marked for future cutting by repeating on the finished floor as marked in the subfloor. Use non-permanent marking devices.

3.5.4 Unless otherwise specified, lay flooring from center marks established with principle walls, discounting minor off-sets, so that pattern of Wood Floor is centered in room.

Lay wood floor pattern square to room axis, unless otherwise shown on drawings or specifications.

- 3.5.5 All trim and bases provided as required for complete installation herein shall be installed according to Manufacturer's recommendations.
- 3.5.6 Finishing shall be in accordance with the approved finish samples and in accordance to Manufacturer's instructions.

3.6 Cleaning and Protection

- 3.6.1 Unless otherwise specified, upon completion the floors shall be cleaned, waxed, buffed and polished using materials as recommended by the Manufacturer.
- 3.6.2 After installation and cleaning, protect Wood Floor from stain, damage subsequent construction activities.
- 3.6.3 Protect all Wood Floors from other material that will cause stain.
- 3.6.4 At completion of construction work, remove all temporary protection from the work of this Section.
- 3.6.5 Examine all work and repair all damage. Clean soiled or stained surfaces. In the event damage is irreparable or soiled or stained surface cannot be cleaned, then remove and replace such items at not additional cost.

END OF SECTION