1. Section 096429   
   Wood Strip and Plank Flooring
   1. PART 1  GENERAL
      1. REFERENCE STANDARDS
         1. ASTM D3676 - Standard Specification for Rubber Cellular Cushion Used for Carpet or Rug Underlay; 2018.
         2. NWFA (IG) - Installation Guidelines; Current Edition.
      2. SUBMITTALS
         1. See Section 013000 - Administrative Requirements, for submittal procedures.
         2. Samples:  Submit ​two​ samples ​3 by 6 inch​ in size illustrating floor finish, color, and sheen.
      3. QUALITY ASSURANCE
         1. Installer Qualifications:  Company specializing in performing work of the type specified and with at least three years of documented experience.
      4. FIELD CONDITIONS
         1. Do not install wood flooring until wet construction work is complete and ambient air at installation space has moisture content stabilized at maximum moisture content of 40 percent.
         2. Provide heat, light, and ventilation prior to installation.
         3. Store materials in area of installation for minimum period of 24 hours prior to installation.
         4. Maintain minimum room temperature of 65 degrees F for a period of two days prior to delivery of materials to installation space, during installation, and after installation.
   2. PART 2  PRODUCTS
      1. MANUFACTURERS
         1. Hardwood Strip and Plank Flooring:
            1. ​​Hickman Woods; www.hickmanwoods.com​​.
            2. Substitutions:  See Section 016000 - Product Requirements
      2. MATERIALS
         1. Wood ​​Strip​​ Flooring​​ - Type Solid​​:
            1. Species:  ​Red Oak​.
            2. Grade:  ​​Select and better​​.
            3. Cut:  ​Quarter/rift sawn  Quarter/rift sawn​.
            4. Moisture Content:  7 to 9 percent.
            5. Actual Thickness:  25/32 inch.
            6. Actual Width:  ​3 inches​.
            7. Edge:  ​Tongue and groove​.
            8. End:  ​Square​.
            9. Length:  Random, minimum of ​12 inches​.
         2. Flooring Nails:  Type recommended by flooring manufacturer.
      3. ACCESSORIES
         1. Sound Control Underlayment:  Recycled rubber type complying with ASTM D3676.
            1. Thickness:  1/8 inch, nominal.
            2. Products:

MP Global Products; AbsorbaSound:  www.mpglobalproducts.com/#sle.

Ultimate RB; Silent-Tread Commercial Underlayment:  www.ultimaterb.com/#sle.

U.S. Rubber Recycling, Inc; Quietsound Acoustical Underlayment:  www.usrubber.com/#sle.

* + - 1. Transition Strip:  Same species and finish as flooring material; profiles indicated.
      2. Floor Finish:  Polyurethane, to achieve high gloss surface; type recommended by flooring manufacturer.
  1. PART 3  EXECUTION
     1. EXAMINATION
        1. Verify existing conditions before starting this work.
        2. Verify that required floor-mounted utilities are in correct location.
     2. INSTALLATION
        1. Sheathing Paper:  Place over wood subfloor; lap edges and ends 2 inches, staple in place.
        2. Underlayments:  Install in accordance with underlayment manufacturer's instructions.
        3. Wood Flooring:
           1. Install in accordance with manufacturer's and NWFA instructions; predrill and blind nail to  subfloor.
           2. Lay flooring parallel to length of room areas. Verify alignment as work progresses.
           3. Arrange flooring with end matched grain set flush and tight.
           4. Terminate flooring at centerline of door openings where adjacent floor finish is dissimilar; provide divider strips and transition strips in accordance with flooring manufacturer's recommendations and as indicated.
           5. Install edge strips at unprotected or exposed edges, and where flooring terminates.
           6. Secure edge strips before installation of flooring with stainless steel screws.
           7. Install flooring tight to floor access covers.
           8. Provide \_\_\_\_ inch expansion space at fixed walls and other interruptions.
        4. Install base at floor perimeter to cover expansion space in accordance with manufacturer's instructions.  Miter inside and outside corners.
        5. Finishing:
           1. Mask off adjacent surfaces before beginning sanding.
           2. Sand flooring to smooth even finish with no evidence of sander marks.  Take precautions to contain dust.  Remove dust by vacuum.
           3. Apply finish in accordance with floor finish manufacturer's instructions.
           4. Apply filler and three finish coats.
           5. Apply first coat, allow to dry, then buff lightly with steel wool to remove irregularities.  Vacuum clean and wipe with damp cloth before applying succeeding coat.
           6. Lightly buff between coats with steel wool and vacuum clean before applying succeeding coat.
           7. Apply last coat of finish.
     3. CLEANING
        1. Clean and polish floor surfaces in accordance with floor finish manufacturer's instructions.
     4. PROTECTION
        1. Prohibit traffic on floor finish for 48 hours after installation.
        2. Place protective coverings over finished floors; do not remove coverings until Date of Substantial Completion.

1. END OF SECTION