SECTION 09 64 66 – WOOD ATHLETIC FLOORING

1.1 PRODUCTS, GENERAL

A. ASTM E84: Standard Test Method for Surface Burning Characteristics of Building Materials

B. ASTM F1869: Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride.

C. Maple Flooring Manufacturers Association (MFMA): Comply with MFMA grading rules for installation, species, grade and cut.

1.2 WOOD ATHLETIC FLOORING PRODUCTS

A. Strip Flooring: Northern hard maple, kiln dried, random length, tongue and groove, and end matched.

1. Grade: MFMA-RL, provide Second and Better Grade.

a. ***Provide Third and Better Grade for areas under stacked portion of telescoping bleachers that are normally concealed from view and for middle schools.***

2. Cut: Edge or Flat.
3. Thickness: 25/32 inch.
4. Face Width: 2-1/4 inches or 1-1/2 inches.
5. Backs: Channeled (kerfed) for stress relief.

B. Installation System: Provide one of the following:

1. Maple, strip flooring on floating double layer, plywood subfloor.
2. Maple, strip flooring on floating wood sleepers.
3. Maple, strip flooring on fixed, wood sleepers and subfloor.

C. Finish: High build gym floor finish and game markings, approved by Maple Flooring Manufacturers Association (MFMA).

1. Type: MFMA Group 3, Gymnasium Type (Surface) Finishes; urethane-oil type or Group 5, Water Based Finishes; polyurethane.

Note: Consult a Maple Flooring Manufacturers Association (MFMA) contractor and a finish manufacturer to specify methods for sealing and finishing maple strip flooring with water-based products.

2. Floor-Sealer Formulation: Pliable, penetrating type.
3. Finish-Coat Formulation: Formulated for gloss finish and multi-coat application.
4. Game-Line and Marker Paint: Industrial enamel compatible with finish coats and recommended in writing by manufacturers of finish coats, and paint for this use.

D. Auxiliary Materials: ***As provided by wood athletic flooring manufacturer.***

1. Wood Sleepers and Subfloor.
2. Vapor Retarder.
3. Resilient Pads, Sleeper Anchors, Fasteners.
4. Thresholds.
5. Vented Cove Base: Semi-rigid plastic angle molding.

1.3 PREPARATION

A. Grind high spots and fill low spots on concrete substrates to produce a maximum 1/8-inch deviation in any direction when checked with a 10-foot straight edge.

B. Concrete Slabs: Verify that concrete slabs are dry and moisture-vapor emissions are within acceptable levels according to wood athletic flooring manufacturer's written

instructions.

1.4 SUSTAINABLE DESIGN SUBMITTALS

A. Provide documentation supplied by the manufacturer regarding the product's sustainable characteristics. Such documents include, but are not limited to: EPDs, FSC Certifications, HPDs and VOC Emissions Certifications. The intent is to aid in the selection of more sustainable products and materials.

END OF SECTION