

SECTION 09550 - WOOD FLOORING

09550.1 GENERAL: The work in this section includes furnishing and installing a wood strip gymnasium floor system consisting, in general, of wood sub-flooring, maple flooring, vapor barrier, sanding, sealers, finishes, games lines, and wall base.

- A. The General Contractor shall provide a concrete slab smooth troweled and level to a tolerance of 1/8" in a 10'-0" radius, subject to the approval of the wood flooring contractor. Labor and materials necessary to put the concrete slab in acceptance condition (grinding of high areas and filling of low area with approved leveling compounds) shall be the responsibility of the General Contractor.
- B. Flooring Contractor shall be a firm with a minimum of five (5) years experience in installation of maple flooring systems.
- C. Flooring shall be stored on the premises a minimum of seven (7) days before installation commences, or as required for acclimation. Final determination as to acclimation will be determined by the Flooring Contractor.
- D. All flooring bundles should be broken and loosely piled to acclimate the flooring to moisture conditions in the building.
- E. The floor system shall not be delivered or installed until all masonry, plastering, tile work and all overhead mechanical trades are completed and building is enclosed and weathertite.
- F. Permanent heat, light and ventilation shall be installed and operative during and after installation, maintaining a temperature range of 55 degrees to 75 degrees and a relative humidity range of 35% to 50%.
- G. Coordinate with General Contractor installation of all equipment inserts, floor boxes, and accessories located in the floor.

09550.2 MATERIALS.

- A. Flooring. Flooring shall be horner maple 33/32" thick (at arena and auxiliary gym) or 25/32" thick (at dance studio and racquetball courts) x 2-1/4" wide. Second and better

grade, continuous tongue and groove and end matched MFMA, northern hard maple, grade marked and stamped as manufactured by Horner Flooring Company.

- B. Vapor Barrier shall be 6 MIL polyethylene.
- C. Subflooring shall be two layers 1/2" exterior CDX plywood.
- D. Mounting Pads. Thrust-A-Cushion Pads, 3/8"X 2 1/4" X 3" attached at 12" o.c. as supplied by Horner Flooring Company.
- E. Wall base shall be 3" X 4" gym cove heavy duty. Molded, vented vinyl base with premolded outside corners as supplied by Horner Flooring Company. Color to be selected by Architect from manufacturer's standard colors.
- F. Finish material shall be as selected by the Architect from the latest listing provided by the MFMA.
- G. Floor fasteners shall be epoxy coated staples.

09550.3 INSTALLATION.

- A. Inspect concrete slab for proper tolerance dryness, and report any discrepancies to the General Contractor for correction.
- B. The concrete slab shall be cleaned of all debris so flooring contractor will have adequate access to work surface.
- C. Cover concrete with 6 mil polyethylene, sealing and lapping joints a minimum 4".
- D. Install first layer of 1/2" X 4' X 8' sheathing grade exterior glue line plywood with 32 Horner Thrust-A-Cushions attached 12" o.c. with a 1/4" spacing between adjoining sheets. Perimeter rows of cushions not more than 6" from edge of sheet to center of first layer and securely fasten to bottom layer.
- E. Install finish flooring parallel with main playing court by power nailing or stapling approximately 12" o.c.
 - 1. Space joints between flooring strips to allow for intermediate expansion, as designated by the installer and in accordance with humidity conditions in the region.
 - 2. Provide 2" expansion voids at the perimeter and all al