

# Lowell Memorial Auditorium

## *Flooring Replacement Project*

### Specification & Scope

This document establishes minimum industry standards for commercial vinyl plank flooring installation. Floor Preparation – vinyl plank flooring must be installed over properly prepared substrates that are suitable for the specific product and installation method selected. Contractor shall install ¼" luan to the entire areas where vinyl plank flooring is being installed. All cracks, holes and flooring irregularities must be adequately repaired to ensure a smooth, finished appearance and prevent accelerated wear. Subfloors must be structurally sound and free of foreign substances that might compromise the vinyl plank flooring or its installation. Patching compounds must be suitable for the use application. They must be polymer-fortified and applied according to the patch manufacturer's instructions.

#### 1). **Tools and Materials**

Vinyl plank flooring must be installed using tools and materials referenced in this standard. Proper tools and quality materials are essential for skilled and proficient vinyl installation.

2). **Storage** – Vinyl plank flooring and related materials must be stored in a climate-controlled, dry space. Vinyl must be adequately protected from soil, dust, moisture and other contaminants and stored on a flat surface

3). **Handling** – Vinyl must be transported in a manner that prevents damage and distortion. Bending or folding individual vinyl planks is not recommended.

#### 4). **Planning for Seams**

Seams must be positioned so that, where possible:

- .they run the length of the area.
- Main traffic flow runs along, rather than across, the seam.
- Natural light does not strike across the seam.
- are away from areas subject to pivoting traffic.

5). **Unprotected Edges** - At the transition between carpet and other floor coverings, carpet edges must be protected and covered with appropriate molding. In transition areas, the edge of the hard surface flooring must be a minimum of 1/16" higher than the carpeted flooring. Seam sealer must be applied to the edge of the vinyl at the transition area.

6). **Temperature and Humidity** – vinyl must be installed when the indoor temperature is between 65-95°F (18-35°C) with a maximum relative humidity of 65%. If ambient temperatures are outside these parameters, the installation must not begin until the HVAC system is operational and these conditions are maintained at least 48 hours before, during and 72 hours after completion.

7). **Floor Preparation** – vinyl must be installed over properly prepared substrates that are suitable for the specific product and installation method selected. All cracks, holes and flooring irregularities must be adequately repaired to ensure a smooth, finished appearance and prevent accelerated wear. Subfloors must be structurally sound and free of foreign substances that might compromise the vinyl or its installation. Patching compounds must be suitable for the use application. They must be polymer-fortified and applied according to the patch manufacturer's instructions.

8). **Concrete** - Concrete must be cured, clean and dry. Cracks, chips and joints must be properly patched or repaired.

9). **Wood - Wood subfloors** must be structurally sound. Subflooring, such as plywood, hardwood, particleboard, oriented strand board, or other materials, must be flooring grade and installed to manufacturer specifications. Cracks, chips and joints must be properly patched and prepared.

10). **Vinyl Seam Edge Preparation.** All edges that are used for seams must be properly prepared in strict compliance with vinyl manufacturer recommendations.

11). **Sealing Edges** – Prior to seaming, both trimmed edges of the vinyl sections to be joined must be sealed with an appropriate seam adhesive. Latex seam sealer or thermoplastic adhesives are acceptable. Seam adhesive must be applied in a manner that encapsulates both primary and secondary backings.

12). **Sweeping Compounds** - These compounds may leave residue that interferes with adhesive bonding. They must not be used prior to adhesive application. Vacuum dusty areas instead.

13). **Finishing at Wall Line** – The installation must be finished and adhered securely along the wall line with a smooth, neat appearance. It is highly recommended that vinyl base, wall base with toe, baseboards or other moldings, be installed after the vinyl is installed.

14). Contractor shall be responsible to remove any and all debris associated with preparing and installing vinyl flooring.

14). **Below are areas to install vinyl flooring:**

**A) The entire concourse on both the first and second floor.**

**B) Balcony Second floor**

**15). Project Timeline**

**Upon awarding of the bid, building sections will be prioritized by the City of Lowell's Project Manager Todd Woekel. Work to be completed within 60 days of notification to proceed from City of Lowell.**

**16). Concourse and Balcony Flooring Product – Mannington Flooring Nature's Paths select Plank 3; Princeton Cherry Colonial 12168 or Approved Equal.**