

UniMax100 Installation Instructions

Tools needed:

Basic carpentry tools including:

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|-------------------------------|-------------------------------------|
| 1. Circular saw (wood blades) | 6. Utility Knife |
| 2. Air compressor & hoses | 7. T & G Flooring nailers /staplers |
| 3. Buffer with 36 grit paper | 8. Non-Marking flooring mallet |
| 4. Miter Saw | |
| 5. Shop vacuum | |

Materials needed: *supplied by Robbins

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| 1. *Subfloor Adhesive | 4. *XL Continuous Strip Maple Flooring |
| 2. *Adhesive Trowel (1/8" x 1/8" x 1/16" V notch) | 5. 1.5" flooring fastener |
| 3. *UniMax100 Subfloor Panels | |

Installation of subfloor:

1. Check concrete to ensure that no concrete sealers are present. This is checked by dropping water droplets onto the surface. If the water droplets absorb into the concrete, no sealers are present. If sealers are present, mechanically abrade to a CSP 2/3.
2. The area must be broom swept and all foreign debris removed from floor area. If foreign debris is present on the concrete surface, buff concrete surface with 36 grit paper and vacuum any dust or residue. Do not use sweeping compounds of any kind.
3. Check and record concrete moisture levels with a Tramex meter at 1 reading per 1,000 square ft. Keep information for records.
4. **Next, cut starters for gym length and width walls-** Please refer to the back page for more information.
5. Starting in the corner of the gymnasium, use supplied trowel and spread adhesive at a rate of 90 sq ft per gallon.
6. Panels shall be placed on a 45-degree angle and kept 1.5" from the walls. Each panel should be spaced 1/4" apart on all 4 sides. Panels shall be staggered 4'.
7. Use Solid Blocking and Partial Blocking in areas as needed. Floor shall be solid blocked under all threshold plates and areas of bleacher in closed position. Floor shall be partially blocked under bleachers in the open position. Please refer to the back page for more information.
8. Use the bundles of maple to help weigh the panels down and allow adhesive to dry overnight. Bundles should be pulled and mixed from separate pallets of shipped material.

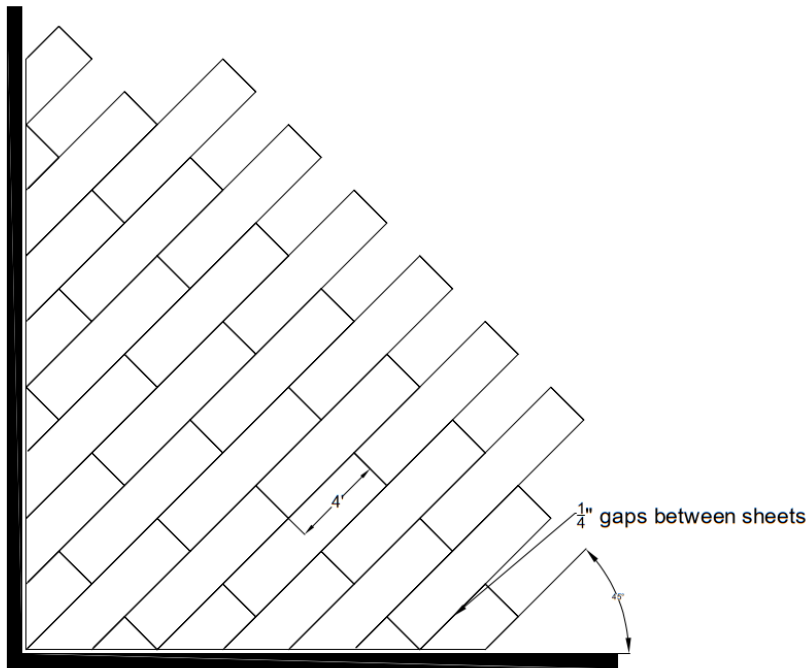
Installation of subfloor:

1. **It's time to start nailing hardwood.** Determine the center of the room as a starting point in which the hardwood will be installed. Again, the hardwood lies in a 45° angle to the subfloor panels. After the centerline is determined, snap a line and place a straight edge for a starter strip. The best starter strip would be left over Star subfloor panels. Tack these down to ensure the sub floor does not move during the first few rows of installation. Once the starter row is determined and set in place, start nailing hardwood. When using XL maple, the preferred stagger would be at least 1' at the beginning of the wall. When nailing this hardwood, 1- 1/2" staples or power nails should be used. When nailing by hand, nailing should be approximately 6-8" on center and should not be nailed directly into the plywood seams. Room for expansion should be considered. Each region throughout the United States have different requirements for expansion. If using XLplus, expansion is built in automatically and in most cases additional expansion will not be necessary. Determine expansion requirements for your region on an individual basis if you are not using XLplus material.

Next; sand, stripe and finish as you would any other Robbins sports floor.

Subfloor Layout

4' stagger, continuous glueline, 45 degree angle



Bleacher Blocking

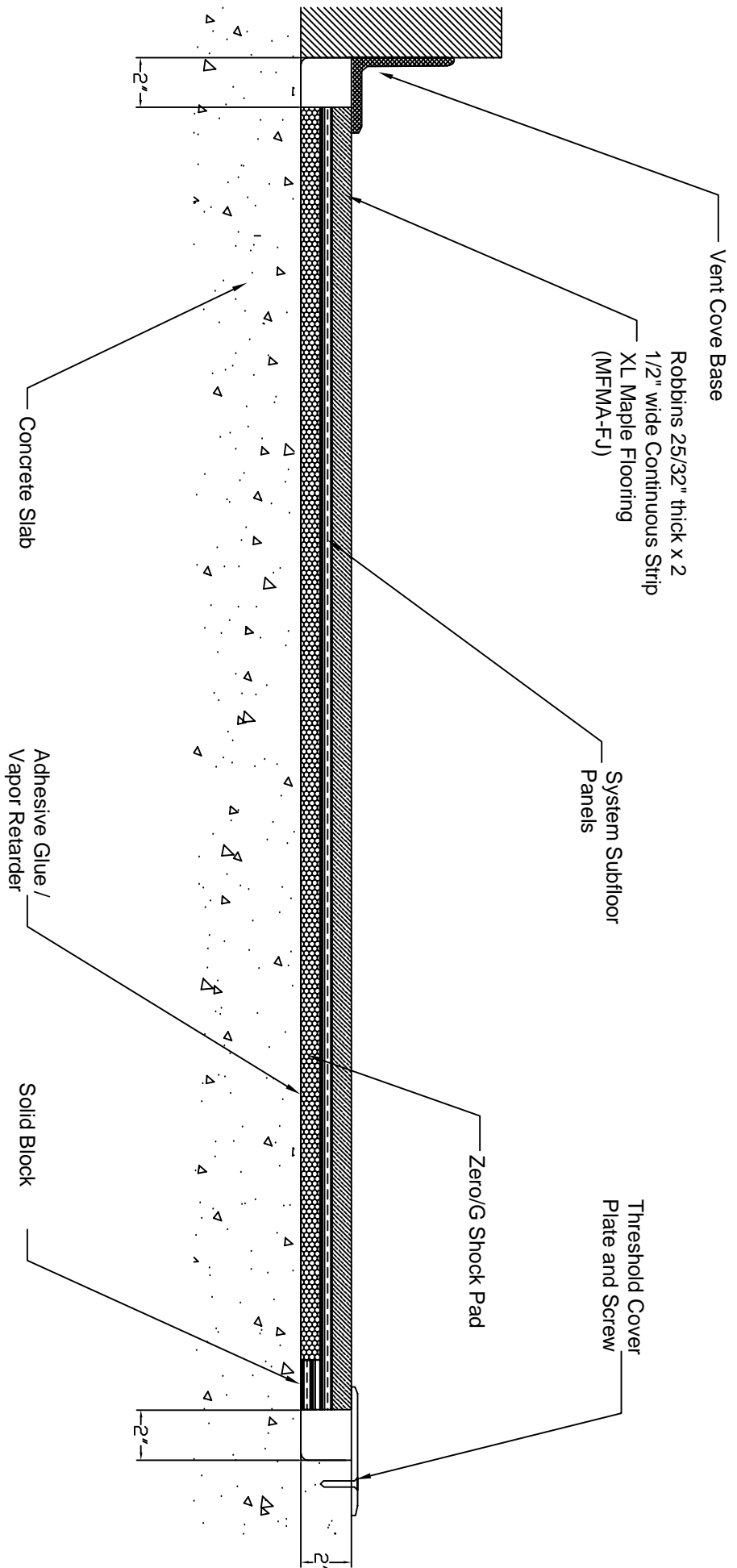
Cut 1.5" x 1.5" blocks of plywood to the below mentioned thickness and place and staple blocks in grid pattern below. The foam padding will be compressed under the blocks.



Solid
Block =
5/8"
Plywood

Partial
Block = 1/2"
Plywood





ROBBINS SPORTS SURFACES
UniMax100
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