

Dimensionally stable floor system.

Aacer Fixed Sleeper

The most dimensionally stable floor system on the market.



Aacer Fixed Sleeper System is the traditional basketball floor, where maximum performance and structural integrity are essential. This system has been known to last for over 75 years.



Acer Fixed Sleeper

Dimensionally Stable Floor System.



Part I – GENERAL

A. A fixed performance sports floor system consisting of a vapor barrier, resilient underlayment and Acer maple flooring.

- The concrete slab depression for 25/32" thick maple flooring with Fixed Sleeper system shall be 3".

B. See general specifications on page 4.

Part II – PRODUCTS

2.1 – Materials

A. Vapor barrier shall be 6-mil polyethylene.

Option: Vapor barrier will be asphalt primer with compatible asphalt mastic (grout). Asphalt mastic shall be "hot pour", dead level roofing asphalt (traditional).

B. Sleepers and Sleeper Anchors
Sleepers shall be 2" x 4" SPF, S4S.

- Sleeper anchors shall be modified steel driepins (minimum pullout strength 500 lbs., minimum 2-1/2" long).

C. Subfloor

- Underlayment shall be 1 x 6, SPF Gym Grade or 23/32" CDX plywood.

D. Flooring – Acer Maple
Northern Hard Maple flooring tongued, grooved and end-matched as manufactured by Acer Flooring, LLC. Flooring will be graded, marked and stamped in accordance with the standards established by the Maple Flooring Manufacturers Association (MFMA).

SIZE

Standard:

25/32" x 2-1/4" or 25/32" x 2-1/2"

Options:

- 25/32" x 1-1/2"
- 33/32" x 1-1/2"
- 33/32" x 2-1/4"

GRADE

Standard:

2nd & Better Grade

Options:

1st, 3rd, 3rd & Better

E. Subfloor Fasteners

- Subfloor fasteners shall be 6d ring shank nails or 1-3/4" staples.
- Flooring fasteners shall be 2" barbed cleats or coated staples.

F. Wall base shall be 3" x 4" molded vent cove base with premolded outside corners.

G. Shims shall be 1/8" and 1/4" thick tempered masonite or equal material.

Part III – EXECUTION

3.1 – Pre-Installation Inspection

A. Floor installer shall verify slab tolerance of concrete and report any corrections to General Contractor and Architect in writing. Room shall be broom cleaned and free of any foreign material.

B. Floor installer shall document site and working conditions prior to and during installation. This documentation shall become a part of any warranty and may or may not affect fulfillment of any warranty.

3.2 – Installation

A. Cover entire slab with 6-mil polyethylene, sealing and lapping joints a minimum of 6".

Option:

Prime concrete slab with asphalt primer with a minimum coverage of 250 sq. ft. per gallon.

B. Subfloor

- Install sleepers across short dimension of room (or at right angles to the main playing court) 16" O.C. with ends butted and joints staggered a minimum of 24". Accurately, level and shim sleepers so all top surfaces are flush.

Option:

After the sleepers are properly shimmed, leveled and anchored pour a layer of asphalt mastic to cover all shims and 1/8" up the side of the sleeper.

- Install 1 x 6 subflooring diagonally to sleepers. Break all joints over sleeper with ends butted and sides spaced 1". Securely nail or staple to sleepers.

Options:

A. Install 3/4" plywood with 4' edge of plywood at right angles to sleepers. Break 8' edge of plywood over sleeper. Space all sides of plywood 1/4" and securely nail or staple to sleepers.

B. Install plywood at 45° angle to sleeper.

C. Acer Maple Flooring

- Install Acer maple flooring parallel with main playing court. Flooring shall be power nailed or stapled every 10" to 12" O.C. with all end joints properly driven tight.

- Expansion joints may be required between flooring strips intermittently throughout the floor. Requirements will be determined by site and geographical conditions.

- Provide a minimum 1-1/2" expansion void at all walls and permanent obstructions.

3.3 – Floor Sanding

A. Machine sand entire floor with coarse, medium and fine paper to a smooth and uniform surface, free from edger marks and drum drops.

B. Remove all sanding dust and lint from entire surface by vacuum and/or tack.

3.4 – Finishing and Gamelines

A. Inspect entire floor to be sure surface is ready to accept seal/finish. Floor should be free from dust and debris.

B. Apply seal and finish per manufacturer's label instructions. NOTE: Please refer to Acer's Seal and Finish specification for recommendations.

C. Floor shall be buffed, cleaned and tacked between coats.

D. Gamelines – Between seal and finish coats apply game lines and logos as indicated by drawings. Paint shall be compatible with finish.

3.5 – Base Installation

Install vent cove base with cove base adhesive and/or mechanical attachment to walls. Use pre-molded outside corners and mitered inside corners.

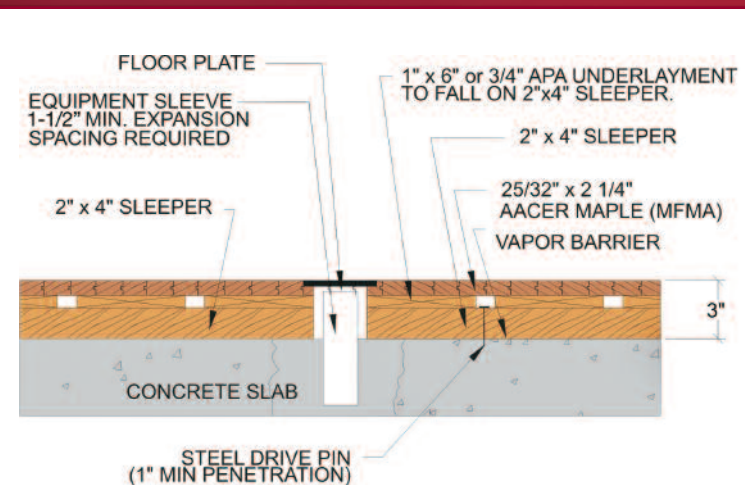
3.6 – Documentation

Provide job condition documentation to owner with any warranties.

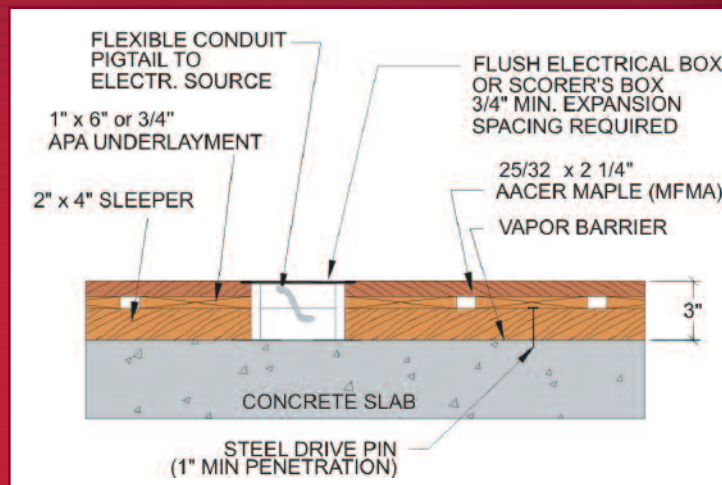
For complete details see Acer shop drawings at www.acerflooring.com

Acer Fixed Sleeper

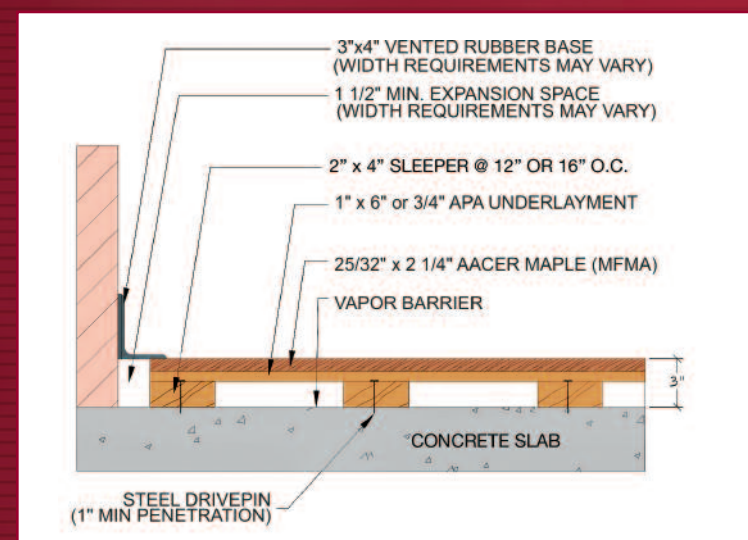
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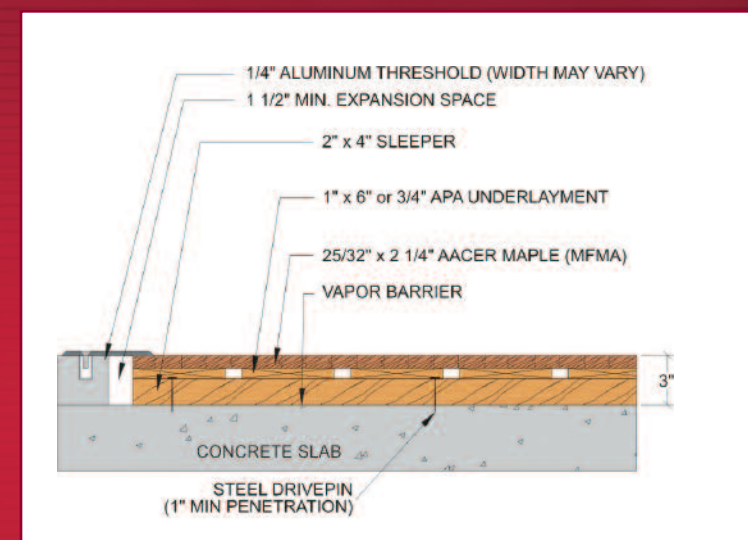
Electrical Box Detail



Wall Base Detail



Threshold Detail



Part I – General Specifications

These specifications provide strict guidelines that must be adhered to for proper installation and performance of the materials supplied by Acer Flooring.

1.1 – Description

A. Related Work

1. Concrete Substrate – Section 03300
 - a. The concrete contractor shall furnish and install the concrete substrate depressing the slab in relation to surrounding areas in order to accommodate the floor system. The slab shall be smooth troweled and finished to a tolerance of 1/8" in a 10' radius. High spots shall be ground and low spots shall be filled with an approved leveling compound by the concrete contractors to meet the full approval of the floor installer.
2. Waterproofing Membrane – Section 07100
 - a. Concrete subfloor at or below grade shall be adequately vapor-proofed and/or waterproofed beneath the slab and at the perimeter of below grade walls by the general contractor using a suitable type membrane.
3. Thresholds – Section 08700
 - a. Thresholds or transitional entryways shall be designed and installed to adequately accommodate the expansion and contraction of the wood floor system. Thresholds and transitionways shall be installed by the flooring contractor.
4. Game Standard Inserts – Section 11500

1.2 – References

- A. MFMA Maple Flooring Manufacturers Association
- B. Acer Flooring technical literature

1.3 – Quality Assurance

- A. Manufacturer – Manufacturer of athletic flooring shall be Acer Flooring

- B. Flooring Contractor/Installer – The installation of the floor system described in these specifications shall be completed by a firm familiar with the requirements of the system specified and fully experienced in procedures required for installing athletic flooring manufactured by Acer Flooring.

1.4 – Submittals

- A. Submit Acer Flooring specification sheets, shop drawings and Maintenance Guidelines as required.
- B. Samples – submit the required number of samples of the specified System as requested by the owner/architect.

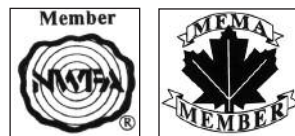
1.5 – Working Conditions

- A. The wood flooring and its components specified herein shall not be delivered or installed until all wet trades and overhead work is completed. This includes all masonry, painting, plaster, tile, marble and terrazzo, as well as all overhead mechanical trades. The building shall be fully enclosed and weather tight and all permanent windows and doorways shall be installed. Permanent heating and air conditioning shall be installed and working in accordance with building occupation requirements.
- B. The concrete substrate shall be determined fully cured by industry standards. Refer to MFMA concrete dryness requirements.
- C. During and after installation, building HVAC shall maintain a temperature and humidity range compatible with the expected high and low moisture content range of the flooring. The floor installer, based on the building's HVAC control and geographical situation, shall determine this range.
- D. Flooring should be acclimated as determined by flooring contractor. Moisture content of wood shall be consistent with the ambient conditions of the building as it will be maintained when occupied.

1.6 – Warranty and Disclaimer

- A. Acer Flooring, LLC, Peshtigo, WI, hereby warrants the materials, it has supplied to be free from manufacturing defects for a period of one year. THIS WARRANTY IS IN LIEU OF AND EXCLUDES ALL OTHER WARRANTIES EXPRESSED OR IMPLIED INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.
- B. This warranty is limited to the materials manufactured by and supplied by Acer Flooring, LLC. THIS WARRANTY EXCLUDES ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES and, in the event of breach, Acer Flooring, LLC's sole liability and your exclusive remedies will be limited to repair or replacement of material and components supplied by Acer Flooring, LLC and proven to be defective by the manufacturing process.
- C. During the warranty period, the floor shall not be recoated without the approval of the flooring contractor.
- D. The jobsite documentation forms by the flooring contractor shall become a part of the warranty and both the owner and flooring contractor shall retain record of said forms as a permanent reference for any abrogation.
- E. Flooring contractor warrants the installation of the floor systems to be free from defects in materials and workmanship for a period of one year.

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