ARCHITECTURAL OPTIMIZATION

MAPLE (AREA ELASTIC) SPORT FLOORS

- **Introduction**
  1. Types of sports floors.
  2. Benefits of area elastic sports floors.
  3. Considerations required to optimize the area elastic sports floors.

- **Athletic performance aspects: testing methods**
  1. EN 14904 - the new world-wide primary standard (DIN, the old standard, is no longer used world-wide and is particularly being discouraged in the US and Europe).

- **General performance aspects**
  1. Vibration dampening - padding has major effect.
  2. Oscillation control – floating vs anchored technology.
  3. Uniformity is best when all components are as continuous and similar as possible.
  4. Environmental material stability.
  5. Durability and strength.

- **Style and appearance**
  1. 3 grades or maple.
  2. 3 thicknesses.
  3. 3 face widths.
  4. Maple types

- **Cost**
  1. Initial cost.
  2. Total ownership cost (life-cycle cost).

- **Sustainability, green, and good environmental stewards**
  1. Maple as a renewable resource..
  2. Carbon footprint.

- **Conclusion**

- **Questions and Conclusion of AIA Presentation**