

## **Breadth Studies**

The Maryland Transportation Authority Police Training Facility contains a range that encompasses a significant portion of the building. Housing twenty firing lanes, the 110'x100' range provides interesting and unique challenges. Many advantages exist for the use of indoor ranges over outdoor ranges, among them, protection from harsh weather conditions, use of the facility any time of day, and the benefits of having a controlled environment. Unfortunately, indoor ranges also present health risk, most notable from lead exposure and high noise levels.

Because of the health hazards associated with firing ranges, a closer examination of the systems that will promote a healthy and effective learning environment in the range and in adjacent areas is required. The follow sections examine the mechanical and acoustical systems of the range.