DEVCOM ARMAMENTS CENTER

DAVIDSON ADVANCED WARHEAD DEVELOPMENT FACILITY

LABORATORY INFORMATION FACT SHEET

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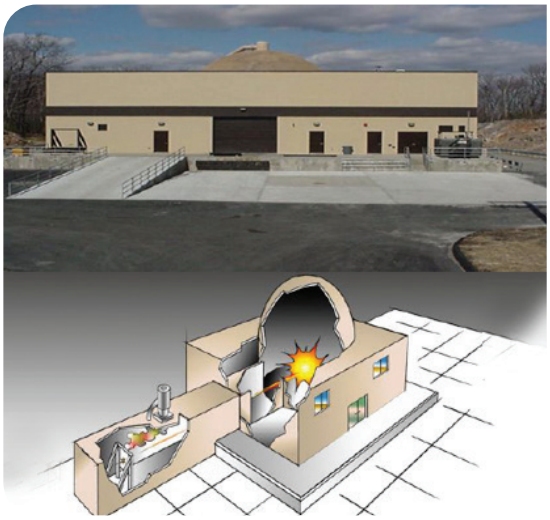

The Davidson Advanced Warhead Development Facility consists of a 40' diameter by 40' tall reinforced concrete dome, lined with armor plate, attached to a 335-ft concrete tunnel for extended warhead to target standoff distances.

TECHNOLOGY/FACILITY DESCRIPTION:

The blast containment chamber is constructed of 12" thick reinforced concrete, lined with 1.5" thick armor plate, & capable of withstanding a 50 lb explosive charge (TNT equivalent). It will be used to test shaped charges, Explisvely Formed Penetrator and other experimental warheads in support of DEVCOM AC's R&D mission and will accommodate heavy metal liners, such as tantalum and tungsten. This facility will provide a safe, secure, cost-effective and environmentally acceptable means of conducting tests for terminal ballistic evaluation of armor defeating warheads.

EQUIPMENT AND EXPERTISE AVAILABLE:

- High Speed Flash Radiography
- High Speed Video Cameras
- Blast Over Pressure Measurement
- Velocity Radar
- Fragmentation Collection
- Warhead Intiation and Flight Evaluation
- Terminal ballistic Evaluation

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