Table 10
Minimum Construction Requirements for Class A Vaults (DIAM 50-3)

Minimum Construction Requirement		Minimum Penetration Time (minutes)			
		Low	Medium	High	Very High
Walls	8-inch (200-mm) Reinforced Concrete (a)	(c)	(c)	12 (b)	<1
Floors	8-inch (200-mm) Reinforced Concrete (a)	(c)	(c)	18 (b)	<1
Roof/Ceiling	8-inch (200-mm) Reinforced Concrete (a)	(c)	(c)	12 (b)	<1
Door/Frame	Class 5 (Fed Spec AA-D-00600C)	(c)	10	2	<1

(a) Assumes standard reinforcing: The most commonly used to prevent forced entry incorporates No. 5 bars, 6 inches (15 mm) on-center each way, staggered each face.
(b) Penetration time is for an upward attack for other than floors on grade (not practical to attack).
(c) Not practical to attack at this threat severity level.

Table 11
Minimum Construction Requirements For Class B Vaults (DoD 5200.1-R)

Minimum Construction Requirement		Minimum Penetration Time (minutes)			
		Low	Medium	High	Very High
Walls	8-inch (200-mm) brick	(a)	2.5	2.5	<1
	8-inch (200-mm) concrete block masonry units, concrete filled, rebar in each core (b)	(a)	4.0	4.0	<1
	4-inch (100-mm) monolithic, steel reinforced concrete (c)	(a)	3.0	3.0	<1
Floors	Minimum 4-inch (100-mm) monolithic concrete (c)	(a)	(1)	9 (d)	<1
Roof/ Ceiling	Minimum 4-inch (100-mm) monolithic reinforced concrete slab thickness determined by structural requirements. (c)	(a)	5.0	5.0	<1
Door/Frame	Class 5 (Fed Spec: AA-D-00600C)	(a)	10	2.0	<1

(a) Cannot be defeated at this threat severity level.
(b) Assumes No. 4 (12.7-mm) rebar
(c) Assumes 6- by 6-inch (150- by 150-mm) welded wire fabric.
(d) Penetration time is for an upward attack for other than floors on grade (which are not practical to attack).