



Design Guidelines for Bullet Resistant Doors and Frames

General rules:

- Maximum width 48"; maximum height 96"
- High frequency reinforcements at all hinges
- Outswing single with 161, deadlock, mortise lock, and/or surface mounted preps **only**
- Fire ratings not available
- Doors and frames will receive a Mylar label stating conformance to UL-752 Level 3

Door requirements:

- Minimum 16 ga. skins with 22 ga. stiffeners
- Welded seamless edges
- Flush welded top and bottom caps
- Door core is proprietary armor plate centered in door; raceways for electronic/electric access are not allowed
- Flush doors only
- Minimum 4 each 4.5" heavy weight hinges (3'0" x 7'0" door weighs 275 pounds)
- Doors that exceed either 36" in width or 84" in height-recommend full mortise continuous hinge rated to 500 pound minimum /option for 5 each 4.5" heavy weight hinges (4'0" x 8'0" door weighs 385 pounds)

Frame requirements:

- 16 ga. reinforced with armor plate at threat side face; no preps allowed in the threat side (outside) face (i.e. electric strikes) any larger than hinge mortise depth or ASA lip
- Continuously welded
- Welded anchors only, minimum 4 per jamb up to and including 7'0", 5 per jamb over 7'0" and up to and including 8'0"
- 3 and 4 sided frames approved