Violentum IV Level 8 BR Gen2 Garage Door Specifications

Section 08 3950 Bullet-Resistant Doors

PART 1 – GENERAL

1.1 Works by others:
- Metal fabrication, section 05500
- Electrical power supply, division 16
- Structural work, division 5

1.2 Security Design Criteria:
- Forced Entry protection ***up to*** ASTM F3038 60mins
- Hurricane Resistance Engineered ***up to*** HVHZ 150mph
- UL-752 Ballistic Protection ***up to*** Level 8, as per Underwriters Laboratory UL 752 Standard for Bullet-Resisting Standards.
- Crash Resistance Engineered **up to** SC30 P1

1.3 Shop drawings: Shop drawings provided in accordance with plans and specifications approved. Garage door installer shall be responsible for job site dimensions before fabrication and coordination with other trades.

1.4 Warranty: The Bullet Resistant Violentum Garage doors carry a warranty of two (2) years against any defect or faulty workmanship.

PART 2 – PRODUCT

2.1 Panel Material: Created with robust, structurally solid materials. Overall panel thickness to be 2 ½".

2.2 Track: 3" standard garage door track system with full length angle track. Options for Standard Lift, Hi-Lift or Full Vertical Lift tracks.

2.3 Hinges and Rollers: Custom hinge and roller hardware shall be provided in accordance with *Bullistic Barriers* patent pending Bulli-Hinge design.

2.4 Operator and Locks: Maxum LiftMaster Operator (or similar) and Extended Liftmaster locks.

2.5 Design Details: Custom design details/ color/ size, based on client's request. Exterior/interior paint finish to be lightly textured or smooth.

2.6 FOR CRASH RESISTANT DOORS
- **Crash Cage:** Custom cable cage system to be attached to the back side of panels one and two. This cage extends out from the interior of the door and hovers around bollards for crash resistance.
- **Crash Bollards**: 4x4" custom square bollards for left and right side of the door opening.

PART 3- REQUIREMENTS

3.1 Accredited: Installers must be a *Bullistic Barriers Accredited Dealer/Installer* who is licensed in their state(s) of offering.

3.2 Wall Attach Point: Interior garage door opening wall requires solid attach points. Acceptable attach point surfaces for track include ¼" steel plate (or thicker) or solid concrete wall. Steel jambs need a total of 8" of width. *Wood or CMU block will not suffice for full FE rating. Retrofit steel parts available at request.*

3.3 Overhead Requirements: Headroom space above the door TBD based on size/weight of door. *Low headroom options available on a case-by-case basis.*

3.4 Side Clearance Requirements: To incorporate the auto locks to the side of the door for maximum FE protection, clearance from any walls or other obstructions shall be 12" or more.

PART 4 – ELECTRICAL OPERATOR AND ACCESSORIES

4.1 The door will be equipped with an electric operator.

4.2 All power supply, push buttons, control stations, access control, radio control, etc. shall be arranged by others.

PART 5 – INSTALLATION

5.1 Full Security Door package to be provided by *Bullistic Barriers.*

5.2 Install doors and hardware in accordance with manufacturer's standards.

5.3 Install electrical motors, controller units, push button stations, relays and other electrical equipment required for door operation.

5.4 Lubricate springs and adjust door operating components to ensure smooth opening and closing of doors.

5.5 Adjust weather stripping to form weather tight seal against the exterior elements.

5.6 ***For Crash Resistance :***

- **Crash Cage:** Attach the pre-assembled crash cage to the back of panels one(1) and two(2) with provided tek screws as per the provided drawings.
- **Custom Bollards:** Custom manufactured 4" square bollards are to be attached to either side of the garage door track. Installed after crash cage has been installed. Installation approach:
    - *Direct buried- Foundations TBD based on Engineer of Record Specifications*
    - *Baseplate mounted- Foundations TBD based on Engineer of Record Specifications*