



THERMOSTOP INC., 3775 Losch, Longueuil, Quebec, Canada, J3Y 5T7, Phone: (450) 678-8666, Fax.: (450) 678-7765

SPECIFICATIONS

BulletStop

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 Design criteria: Design doors with Level 1,2,3,4,5,6,7,or 8 rating (please consult factory for your required level rating) as per Underwriters Laboratory UL 752 Standard for Bullet-Resisting Equipment.

1.3 Shop drawings: Supply shop drawings in accordance with plans and specifications for approval. Contractor shall be responsible for job site dimensions before fabrication and co-ordination with others sub-trades.

1.4 Maintenance instructions: Supply maintenance instructions for hardware and/or others components in accordance section 01300.

1.5 Warranty: BulletStop ballistic doors carry a warranty of one (1) year against any defect or faulty workmanship.

PART 2 - PRODUCT

2.1 Materials:

- Bullet resistant ballistic material
- Commercial galvanized G-90 steel conforming to ASTM A653
- Commercial aluminium extrusions 6063 T5
- Insulation: foamed- in- place polyurethane, 2.56 lbs/ft³ (41.0 kg/m³) minimum density, conform to CGSB 51-GP-21M

2.2 Reference product : BulletStop UL 752 Level 1,2,3,4,5,6,7,or 8 (please consult factory for your required level rating), as manufactured by **THERMOSTOP INC.**, 3775 Losch boulevard, Longueuil, (Quebec), Canada, J3Y 5T7, Tel.: 450-678-8666, Fax: 450-678-7765, www.thermostop.com

2.3 Ballistic standard: Underwriters Laboratory UL 752 Standard for Bullet-Resisting Equipment Level 1,2,3,4,5,6,7,or 8 (please consult factory for your required level rating).

2.4 Thickness: 4" (100mm) thick.

2.5 Panel manufacturing process: The inner core consists of bullet resistant ballistic material as per UL 752 requested rating and rigid polyurethane, foamed-in-place under high pressure between two 16ga. steel skins.

2.6 Insulation: CFC-free rigid foamed-in-place polyurethane. 2.56 lbs/ft³ (41.0 kg/m³) minimum density.



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- 2.7 **Metal skins and finish:** 16ga. exterior and interior skins. Smooth finish. Custom paint with choice of color from the RAL color chart.
- 2.8 **Joint and seal:** High quality galvanized steel skins roll-formed into an exclusive tongue-and-groove joint with a true thermal break of 2 ¾" (68 mm) separates the exterior skin from the interior one and a double bubble-shaped seal.
- 2.9 **Bullet resistant seam protection:** UL752 Level 2 through 8 doors are equipped with bullet resistant seam protection plates as per UL 752 requested rating.
- 2.10 **Perimeter gasket system:** triple-lip, flexible PVC gasket seal, retained in an extra robust extruded aluminum retainer.
- 2.11 **Bottom gasket seal:** double u-shaped, flexible PVC gasket seal, retained in a heavy duty extruded aluminum retainer, securely fastened to the bottom of the door.
- 2.12 **End caps:** Sections are equipped with 16ga. (1.42mm) thick galvanized steel end caps.

PART 3 – HARDWARE

3" industrial hardware, model 80-THD. Options for Standard Lift, Hi-Lift or Full Vertical Lift tracks.

PART 4 – ELECTRICAL OPERATOR AND ACCESSORIES

The door will be equipped with an electric operator.

- 4.1 **Electric operator:** side mounted "Jackshaft" motor, model XTRA-GH (Gear Worm motor).

For electric accessories and their corresponding options such as push button control stations, radio controls, magnetic loop detector, motion detector, safety edge, utility switch, time delay, closing timer etc., please consult brochure **Operators – Thermostop Industrial Doors**.

PART 5 – INSTALLATION

- 5.1 Install doors and hardware in accordance with manufacturer's standards.
- 5.2 Touch-up doors with primer where galvanized finish is damaged during fabrication.
- 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 elements.