

## ***BULLETPROOFDOORZ.COM***

### **U.L. and N.I.J. LEVEL BALLISTIC RESISTANT Overhead Doors**

#### ***PANELS***

- Exterior layer to be smooth bullet resistant steel with overlapping joint seams for optimal security
- Interior layer to be smooth steel
- U.L. and N.I.J. LEVEL BALLISTIC RESISTANT certified and documented by an independent testing facility.
- Panels to be primed with TNAME-ZINC 90-97 and require field painting once installed. (Panels do not come with finish coat due to the extreme weight and installation process)

#### ***COUNTER BALANCE***

- Option 1 uses a 15" radius track system requires door height plus 40" of headroom (this door rolls back and has a 20,000 cycle spring life)
- Option 2 uses a vertical lift track system requires door height times two plus 24" of headroom (this door goes straight up and uses a counter weight system with 300,000 cycle life)

#### ***HARDWARE***

- Rollers have solid roller wheel manufactured with A36 steel with American made ceramic sealed bearings for long life and optimal performance.
- Roller shaft are manufactured from AISI 4140 steel
- Roller wheel and shaft will be treated with ASTM B633 Zinc Plating
- Hinges are made from 1/4" A36 plate steel
- Hinges are designed with American made brass bushings with a grease zerk located in center
- Hinges are treated with ASTM B633 Zinc Plating

#### ***EMBEDMENTS***

- Embedment's will be manufactured and shipped to customer before structure walls are created. Bulletproofdoorz will supply a detailed drawing of embedment locations to be poured in place during wall creation. If building is an existing structure then a double steel plate system can be fastened as an alternate solution to embedments.  
(Poured in place embedments is manufactures preference and dramatically reduces installation time)

#### ***TRACKS***

- Tracks systems are created using 12 gauge ASTM A653 rolled steel insert reinforced with steel 1/4" on three sides
- Vertical tracks to be welded to jamb embedment's
- Horizontal tracks will be suspended from ceiling with 1/4" x 3" x 3" angle welded to ceiling embedment's

### ***FINISH***

- Panels will be primed only and will be customers responsibility for finish color after assembly is complete. Panels will be primed with TNE-ME-ZINC 90-97
- Structural steel braces will be primed with TNE-ME-ZINC 90-97.
- Hardware will be ASTM B633 Clear Zinc Plating

### ***INSULATION***

- Panels to be injected with polyurethane
- SoyThane-0.5 is a two component, water blown, polyurethane open cell spray foam system. The in-place density is 0.5 lbs/ft<sup>3</sup>. Low viscosity and 1:1 by volume ratio provide for easy processing. The foam is rated CLASS1 according to ASTM E 84 at four inches.

### ***MOTOR***

- Lift Master GH5HP
- Pneumatic Miller edge will be on bottom of door panel with photo eye mounted on bottom inside of opening for safety
- Hand chain will be supplied with opener for manual operation hanging to side of motor for emergency power outage situations.
- Interior three button control station will be mounted below motor or other convenient location and height determined by customer.
- All conduit, wires and electrical connections of opener and accessories will be customer responsibility and made by a qualified electrician.