FULL VISION BULLET RESISTANT DOOR

SECTION 08 3950

PART 1 – GENERAL

1.01 SUMMARY

A. This section includes:
   1. Full Vision Bullet Resistant Door system.

   2. Door hardware for Full Vision Bullet Resistant Door.

1.02 SUBMITTALS

A. Product Data: Submit Manufacturer's technical product data substantiating that products comply.
B. Shop drawings: Submit for fabrication and installation of door. Include details, elevations and installation requirement of finish hardware and cleaning.
C. Certification: Provide printed data in sufficient detail to indicate compliance with the contract documents.

1.03 DELIVERY, STORAGE, AND HANDLING

A. Deliver Doors crated to provide protection during transit and job storage.
B. Inspect doors and framing upon delivery for damage. Unless minor defects can be made to meet the Architect's specifications and satisfaction, damaged parts should be removed and replaced.
C. Store doors and framing at building site under cover in dry location.

1.04 PROJECT CONDITIONS

A. Field measurements: Check opening by accurate field measurement before fabrication. Show recorded measurements on shop drawings. Coordinate fabrication schedule with construction progress to avoid delay of work.

1.05 WARRANTY

All material and workmanship shall be warranted against defects for a period of one (1) year from the original date of purchase.

PART 2 - PRODUCTS

2.01 ACCEPTABLE MANUFACTURER'S

A. Basis of design: Design is based on Full Vision Bullet Resistant Door FVBRD Series, as manufactured by **C.R. Laurence Co., Inc. (800) 421-6144 ext.17760, transaction@crlaurence.com**

2.02 MATERIALS

A. Extrusions shall be 6063-T5 alloy and temper (ASTM B221 alloy T5 temper). Fasteners, where exposed, shall be aluminum, stainless steel or zinc plated steel in accordance with ASTM A 164. Perimeter anchors shall be aluminum or steel, providing the steel is properly isolated from the aluminum.
FRAMING MUST UTILIZE TESTING RECOGNIZED UNDER THE STANDARDS ESTABLISHED BY U.L. 752 FOR BULLET RESISTANT COMPONENTS.

B. Finish: Aluminum extrusions shall be given a caustic etch followed by an anodic oxide treatment to obtain… *(specify one of the following):*
#11 Clear anodic coating
#22 Dark Bronze anodic coating
Or, Fluoropolymer paint coating conforming with the requirements of AAMA 2605. Color shall be *(specify a U.S. Aluminum standard color).*
Or, Powder coat *(specify RAL color number.)*

C. Glazing: The glazing must be in accordance with U.L. 752 testing standards *(specify Level 1, or Level 3).* Option include 1-1/4" bullet resistant Acrylic Level 1, and 1-1/4" bullet resistant laminated polycarbonate Level 3.

D. Standard Hardware and Frame Dimensions: See CRL FVBRD System Drawings at crlaurence.com

PART 3 – EXECUTION

3.01 INSTALLATION

A. Install frame and door in accordance with manufacturer's instructions and recommendations. Repair damaged units as directed (if approved by the manufacturer and the architect) or replace with new units.

3.02 CLEANING

A. Clean frame and glazing surfaces after installation, complying with requirements contained in the manufacturer's instructions. Remove excess glazing sealant compounds, dirt or other substances.

3.03 PROTECTION

A. Institute protective measures required throughout the remainder of the construction period to ensure that doors, frames and glazing materials do not incur any damage or deterioration, other than normal weathering, at the time of acceptance.

END OF SECTION