

Section 13070

PART 1 - GENERAL

1.01 SUMMARY

- A. Section Includes:
 - 1. Provide bullet resistant assemblies, complete including glazing, and bullet resistant armor panels for walls if applicable.
- B. Related Work:
 - 1. 08800 - Glazing
 - 2. 08100 - Door and Frame Schedule
 - 3. 08700 - Door Hardware
 - 4. 09900 - Painting

1.02 QUALITY ASSURANCE

- A. Manufacture: Products and bullet resistant assemblies of Chicago Bullet Proof Systems are specified to establish intended type and quality of the bullet resistant assemblies required for the work.
- B. UL Labels: Each assembly shall bear a UL label evidencing the ballistic rating of the assembly. Suppliers that "comply with" or "manufacture to meet the requirements of UL" are not acceptable. Fully Assembled product must bear the UL label. Each label shall provide the following information:
 - 1. The Underwriters Laboratories, Inc. registered trademark "UL" with the word "listed."
 - 2. Description of Assembly
 - 3. Model Number
 - 4. Ballistic Rating
 - 5. Date of Manufacture
 - 6. Manufacturer's UL Control Number
- C. Quality Standards: Work of this section shall conform to UL 752 Standard for Safety, Bullet Resisting Equipment as per the most recent revision.

1.03 REFERENCES

- A. Underwriters' Laboratories, Inc. - UL 752, Bullet-Resisting Equipment, 333 Pfingsten Rd., Northbrook, IL 60062-20906. Tel : 847.272.8800.

1.04 SUBMITTALS

- A. Product Data: Submit bullet resistant assembly manufacturer's detailed specifications and installation instructions.
- B. Shop Drawings: Submit for architect's approval drawings fully detailing all work of this section. Indicate dimensions, description of materials and finishes, general construction, specific modifications, component connections, and anchorage methods. Also, indicate UL labeling and required level of ballistic protection.

1.05 PRODUCT DELIVERY, STORAGE, AND HANDLING:

- A. Deliver all products under this section in manufacturer's standard factory packaging. Inspect promptly and store products within the building in a dry location. Use care in unpacking, assembly, and handling to prevent damage or defacement.

1.06 WARRANTY

- A. Product shall be warranted from defects in workmanship and materials for use under normal and proper usage for a period of one year from date of shipment.

PART 3 -EXECUTION

3.01 INSPECTION:

- A. Opening Size: Verify opening size to be equal to that recommended for product by Chicago Bullet Proof Systems.
- B. Fit: Verify flatness/plumb and levelness of surfaces.

3.02 STORAGE:

- A. It shall be the responsibility of the general contractor to see that any scratches or disfigurement caused in shipping or handling are promptly cleaned and touched up with a rust-inhibitive primer (for painted surfaces), and that materials are properly stored on planks or dunnage, in a dry location, and covered to protect them from damage. Nothing shall be stored on top of any bullet resistant equipment.
- B. Windows and transparent armor shall be stored in an upright position.

3.03 INSTALLATION: Install work of this section according to manufacturer's recommendations, installation instructions and approved submittals. Install frames plumb, rigid and in true alignment. Utilize temporary supports for frames installed prior to wall erection. Install glass armor with the specified rubber spacers only for seating and securing glass in the frames. Calk frames where necessary (vision windows only). Glazing shall occur after all masonry, ceiling, electrical, plumbing and/or finish painting have been accomplished in order not to damage the bullet resistant transparent armor.

3.03 ADJUSTING and CLEANING: Leave glass clean according to manufacturer's recommendations and free of lables. Leave shop primed surfaces clean and ready for finish paint.

MODEL MCPT

PART 1 - GENERAL

PART 2 - PRODUCTS

(2.01) BULLET RESISTANT MONEY CART PASS-THRU: Standard MCPT Money Cart Pass-Thru with UL label by Chicago Bullet Proof Systems, 12 E. Old Mill Lane, Burr Ridge, IL 60527, tel: 800.690.9160, fax: 312.492.7406. *Non-UL labeled assemblies are not acceptable.*

- A. Chicago Bullet Proof Systems standard MCPT with UL label for assembly. MCPT shall be constructed from Chicago Bullet Proof's certified Shot-Tex bullet resistant steel and shall bear a UL label. MCPT shall be completely assembled five sided unit including two electrically interlocking doors.
- B. Size: MCPT shall have interior clear dimensions of 34-1/2 inches wide x 39 inches high x 48 inches deep.
- C. Door: Doors shall be of all welded construction. Doors are 1-3/4 inches thick with 1/8 inches thick internal reinforcing channels.
- D. Frames: Frame profile shall be double rabbeted with mitered, welded and ground smooth corners.
- E. Hardware: Doors shall utilize an electric interlock system between the doors which allows only one door to be opened at a time. Two stainless steel pulls, silencers, two #12252 heavy duty continuous hinges, and raceway channel/bumper on each interior side for wiring shall be supplied.
- F. Finish: Unit shall be constructed from Shot-Tex brand bullet resistant steel in an "all welded" assembly. All welds shall be ground smooth and the unit shall be spray painted with a rust-inhibiting primer.
- G. Money Cart Pass-Thru assembly shall be UL listed and labeled to ballistic levels defined in the Standard for Safety UL 752 for the following ballistic level* _____(level 3 or level 4).

*** Consult CBP's list of UL label definitions to select the best level for your application.**

Notes: Modifications can be done to units, contact manufacturer.

PART 3 - EXECUTION

MODEL MGE

PART 1 - GENERAL

PART 2 - PRODUCTS

(2.01) BULLET RESISTANT MODULAR GUARD ENCLOSURE PANEL ASSEMBLIES: Standard MGE panel assembly with UL label by Chicago Bullet Proof Systems, 12 E. Old Mill Lane, Burr Ridge, IL 60527 tel: 800.690.9160, fax: 312.492.7406. *Non-UL labeled assemblies are not acceptable.*

- A. Chicago Bullet Proof Systems Standard MGE Panel Assembly with UL label for assembly. MGE panel shall be constructed from UL listed Shot-Tex bullet-resistant steel and shall bear a UL label.
- B. Finish: All exposed welds shall be ground smooth and assembly shall be given a spray coat of rust-inhibiting primer at the factory.
- C. Frame: Frame profile shall have a 2 inch face dimension by 5-1/2 inch depth. Corners shall be mitered, welded and ground smooth. Frames shall be prepped for mounting to adjacent walls and corner posts and shall be supplied with connectors for installation.
- D. Doors: Doors shall be of all welded construction. Doors are 1-3/4 inches thick with 1/8 inches thick internal reinforcing channels.
- E. Preparation: Door/Frame assembly shall be mortised, reinforced, drilled and tapped at the factory in preparation for mortise lockset.
- F. Hardware and Accessories: Provide the assembly manufacturer's standard door package hardware and accessories, including:
 - 1. Sargent 8204 mortise lockset with LNJ lever trim or equal.
 - 2. A Yale 4400 heavy duty closer.
 - 3. Continuous CBP #12252 stainless steel bullet-resisting hinge shall be drilled and tapped at the factory.
 - 4. Other hardware shall include 3 Glynn-Johnson #64 silencers and 6 adjustable strap anchors for masonry walls.
 - 5. Other options: **Electric Strike**, Folger Adam 310-2-3/4, 24VAC. x LCBMA x (satin chromium)finish. (Note: Access control and transformer for electric strike are supplied by installer) **Insulation** is batt type fiberglass. **Threshold** of extruded aluminum with mill finish. **Weather-stripping** at head and jambs with self-adhesive silicone seal. **EMA prep:** manufacturer provides bolt and screw anchor preparation and proper frame reinforcement. (Note: Bolt or screw anchors are provided by installer)
- G. Vision panel: Vision panel shall be _____ inches wide by _____ inches high with flush appearance on threat side and applied glazing stops on the protected side. Stops shall have mitered corners and the same finish as the door.

- H. Glass Armor: UL 752 listed bullet resistant transparent laminated type glass (or type glass clad polycarbonate) of _____(see below) thickness and UL listed level_____(see below). Manufacturer shall furnish acoustic rubber spacers. All other glazing materials shall be provided by glazier.

<u>Glass Thickness</u>	<u>Glass Clad Polycarbonate</u>	<u>UL level*</u>
1-3/16"	3/4"	level 1
1-1/2"	1"	level 2
1-3/4"	1-3/16"	level 3
2"	1-1/4"	level 4
	2-3/8"	level 5
	2-3/8"	level 8

- I. MGE panel assembly shall be UL listed and labeled to ballistic levels defined in the Standard for Safety UL 752 for level* _____(select one: level 1, level 2, level 3, or level 4)

**** Consult CBP's list of UL label definitions to select the best level for your application.***

PART 3 - EXECUTION