SECTION 13 10 00

BULLET RESISTANT ARCHITECTURAL ASSEMBLIES

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PART 1 GENERAL

* 1. SECTION INCLUDES

\*\* NOTE TO SPECIFIER \*\* Delete items below not required for project.

* + 1. Bullet Resistant Armors.
	1. RELATED SECTIONS

\*\* NOTE TO SPECIFIER \*\* Delete any sections below not relevant to this project; add others as required.

* + 1. Section 05 10 00 - Structural Metal Framing.
		2. Section 05 50 00 - Metal Fabrications.
		3. Section 06 10 00 - Rough Carpentry.
		4. Section 08 71 00 - Door Hardware.
		5. Section 08 83 13 - Mirrored Glass Glazing.
		6. Section 09 90 00 - Painting and Coating.
	1. REFERENCES

\*\* NOTE TO SPECIFIER \*\* Delete references from the list below that are not actually required by the text of the edited section.

* + 1. Underwriters Laboratories (UL):
			1. UL 10B - Standard for Fire Tests of Door Assemblies.
			2. UL 752 - Standard for Bullet-Resisting Equipment.
	1. SUBMITTALS
		1. Submit under provisions of Section 01 30 00 - Administrative Requirements.
		2. Product Data:
			1. Manufacturer's data sheets on each product to be used.
			2. Preparation instructions and recommendations.
			3. Storage and handling requirements and recommendations.
			4. Typical installation methods.

\*\* NOTE TO SPECIFIER \*\* Delete selection samples if colors have already been selected.

* + 1. Selection Samples: For each finish product specified, two complete sets of color chips representing manufacturer's full range of available colors and patterns.
		2. Verification Samples: For each finish product specified, two samples, minimum size 6 inches (150 mm) square representing actual product, color, and patterns.
		3. Shop Drawings: Include details of materials, construction and finish. Include relationship with adjacent construction.
	1. QUALITY ASSURANCE
		1. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section with a minimum five years documented experience.
		2. Installer Qualifications: Company specializing in performing Work of this section with minimum two years documented experience with projects of similar scope and complexity.
		3. Source Limitations: Provide each type of product from a single manufacturing source to ensure uniformity.
	2. PRE-INSTALLATION CONFERENCE
		1. Convene a conference approximately two weeks before scheduled commencement of the Work. Attendees shall include Architect, Contractor and trades involved. Agenda shall include schedule, responsibilities, critical path items and approvals.
	3. DELIVERY, STORAGE, AND HANDLING
		1. Store and handle in strict compliance with manufacturer's written instructions and recommendations.
		2. Protect from damage due to weather, excessive temperature, and construction operations.
	4. PROJECT CONDITIONS
		1. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's recommended limits.
	5. SEQUENCING
		1. Ensure that products of this section are supplied to affected trades in time to prevent interruption of construction progress.
	6. WARRANTY
		1. Manufacturer's Warranty: Provide manufacturer's standard limited warranty.
1. PRODUCTS
	1. MANUFACTURERS
		1. Acceptable Manufacturer: Chicago Bullet Proof Systems, which is located at: 2595 Bond St.; University Park, IL 60484; Tel: 708-534-9102; Fax: 708-534-9132; Email:[request info (max@chicagobulletproof.com)](http://admin.arcat.com/users.pl?action=UserEmail&company=Chicago+Bullet+Proof+Systems&coid=31417&rep=&fax=708-534-9132&message=RE:%20Spec%20Question%20(13065cbp):%20%20&mf=); Web:<https://chicagobulletproof.com>

\*\* NOTE TO SPECIFIER \*\* Delete one of the following two paragraphs; coordinate with requirements of Division 1 section on product options and substitutions.

* + 1. Substitutions: Not permitted.
		2. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00 - Product Requirements.

\*\* NOTE TO SPECIFIER \*\* Delete basis of design paragraphs if not required.

* 1. BULLET RESISTANT DEVICES

\*\* NOTE TO SPECIFIER \*\* Delete paragraphs not required.

* + 1. Package Passer:
			1. Basis of Design: Bullet Resistant Package Passer, Model PP; as manufactured by Chicago Bullet Proof Systems.
			2. Performance and Design Requirements:

\*\* NOTE TO SPECIFIER \*\* Delete bullet resistance options not required.

* + - * 1. Bullet Resistance: UL 752, Level 1.
				2. Bullet Resistance: UL 752, Level 2.
				3. Bullet Resistance: UL 752, Level 3.
				4. Bullet Resistance: UL 752, Level 4.
				5. Bullet Resistance: UL 752, Level 8.

\*\* NOTE TO SPECIFIER \*\* Delete finish options not required.

* + - 1. Finish: Factory applied rust-inhibiting primer, all surfaces.
			2. Finish: Exterior door and mounting frame to be brushed stainless steel, balance of unit prime painted.
			3. Finish: Exposed surfaces to be brushed stainless steel, balance of unit prime painted.

\*\* NOTE TO SPECIFIER \*\* Delete unit size option not required.

* + - 1. Unit Size, Standard:
				1. Interior Clear Dimensions (WxHxD): 14-3/16 x 11-5/8 x 12-5/8 inches (356 x 295 x 321 mm) deep.
				2. Wall Opening (WxH): 16-1/2 x 16 inches (419 x 406 mm).
				3. Maximum Wall Thickness: 9-1/4 inches (235 mm).
			2. Unit Size, Custom (in/mm): \_\_\_\_\_\_.
			3. Doors: Interlocking doors permitting only one door to be opened at a time.
		1. Money Cart Pass Thru:
			1. Basis of Design: Bullet Resistant Money Cart Pass Thru, Model MCPT; as manufactured by Chicago Bullet Proof Systems.
			2. Performance and Design Requirements:

\*\* NOTE TO SPECIFIER \*\* Delete bullet resistance options not required.

* + - * 1. Bullet Resistance: UL 752, Level 1.
				2. Bullet Resistance: UL 752, Level 2.
				3. Bullet Resistance: UL 752, Level 3.
				4. Bullet Resistance: UL 752, Level 4.
			1. Clear Dimensions (WxH): 34-1/2 x 39 inches (876 x 991 mm) high.
			2. Thickness: 1-3/4 inches (44 mm).
			3. Unit Size, Custom (in/mm): \_\_\_\_\_\_.
			4. Doors: Interlocking doors permitting only one door to be opened at a time.
		1. Chute:
			1. Basis of Design: Chute, Model CH; as manufactured by Chicago Bullet Proof Systems.
			2. Performance and Design Requirements:

\*\* NOTE TO SPECIFIER \*\* Delete bullet resistance options not required.

* + - * 1. Bullet Resistance: UL 752, Level 1.
				2. Bullet Resistance: UL 752, Level 2.
				3. Bullet Resistance: UL 752, Level 3.
				4. Bullet Resistance: UL 752, Level 4.
			1. Allows package or pill drop.
			2. Door:
				1. Opens 90 degrees on public side.
				2. Includes 135 degree arc for package drop.
				3. Handle: Pull handle welded on public side.
			3. Includes interior cover of armored material.

PART 3 EXECUTION

* 1. EXAMINATION
		1. Do not begin installation until substrates have been properly constructed and prepared.
		2. If substrate preparation is the responsibility of another installer, notify Architect in writing of unsatisfactory preparation before proceeding.
	2. PREPARATION
		1. Clean surfaces thoroughly prior to installation.
		2. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
	3. INSTALLATION
		1. Install in accordance with manufacturer's instructions, approved submittals, and UL 752, and in proper relationship with adjacent construction.
		2. Install all equipment plumb, level, rigid and in true alignment.
		3. Set equipment in accordance with the manufacturer's printed recommendations. Use proper anchoring devices for the material to be anchored to. All exposed anchor holes shall be used for anchoring.
		4. Anchor frames securely in place to supports. Use attachment methods permitting adjustment for construction tolerances, irregularities, alignment, and expansion and contraction.
		5. Installation tolerances: Do not exceed the following installation tolerances:
			1. Squareness: Plus or minus 1/16 inch (1.6 mm) measured on a line, 90 degrees from one jamb, at the upper corner of the frame at the other jamb.
			2. Alignment: Plus or minus 1/16 inch (1.6 mm) measured on jambs on a horizontal line parallel to the plane of the wall
			3. Twist: Plus or minus 1/16 inch (1.6 mm) measured at face corners of jambs on parallel lines perpendicular to the plane of the wall.
			4. Plumb: Plus or minus 1/16 inch (1.6 mm) measured on the jamb at the floor.
		6. Adjust installed doors for correct function and smooth operation.
	4. FIELD QUALITY CONTROL
		1. Field Inspection: Coordinate field inspection in accordance with appropriate sections in Division 01.

\*\* NOTE TO SPECIFIER \*\* Include if manufacturer provides field quality control with onsite personnel for instruction or supervision of product installation, application, erection or construction. Delete if not required.

* + 1. Manufacturer's Services: Coordinate manufacturer's services in accordance with appropriate sections in Division 01.
	1. CLEANING AND PROTECTION
		1. Clean products in accordance with the manufacturers recommendations.
		2. Touch-up, repair or replace damaged products before Substantial Completion.
		3. Protect installed products until completion of project.

END OF SECTION