

## **BULLET RESISTANT PRODUCTS**

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A complete line of security products  
resistant to ballistic attack.

**OVERLY**  
DOOR COMPANY

AN ISO 9001 CERTIFIED COMPANY

## OVERVIEW

For over 50 years, Overly Door, an ISO 9001 Certified Company, has been an industry leader in the design and manufacture of Bullet-Resistant Door and Window Systems and Accessories.

All of Overly's bullet-resistant products have been rigorously tested to one or more of the following test standards:

- UL Standard for Safety 752
- National Institute of Justice Standard 0108.01

In addition to the bullet-resistant testing, many of these products have also been successfully fire tested to both UL 10b (neutral pressure) and UL 10C (positive pressure) Standards for Safety.

## LEEDS

The goal of Overly Door's LEED Initiative is to provide the architectural and design community, our customers and prospective customers, with an informed resource to help them understand the various requirements of building "green," and the specialty door products designed and manufactured to achieve that end.

These Bullet-resistant products may also be available with LEED certifications including one or more of the following:

- MR-4 Recycled Content
- MR-5 Regional Materials
- MR-6 Rapidly Renewable Resources
- MR-7 Certified Wood
- EQ 4.4 Low Emitting Materials

Consult factory with your defined project needs to see what performance requirements are available for the specific products required.

## TYPICAL USES FOR BULLET-RESISTANT DOORS

All of the products in this catalog are designed for interior use. Some of these can be provided for exterior applications as well. Consult factory for specifics. They can be used in a variety of both public and private institutional installations where the need for bullet-resistant protection is required including:

- Banks
- Prisons
- Hospitals
- Federal agencies
- Schools
- Pharmaceutical facilities
- Federal agencies
- Law Enforcement
- Courtrooms
- Military installations



# BULLET-RESISTANT METAL DOORS

All Overly Metal Bullet-Resistant Doors have been tested in accordance with UL Standard for Safety 752 bullet resisting equipment at Underwriters Laboratories in Northbrook, IL, for weapon protection levels 1-8, as well as to NIJ Standard 0108.01. Although they are not attack resistant to a formalized standard, most of these products provide a limited amount of protection against forced entry attacks. Standard and custom size units are available in both single swing and pair configurations. Glazed doors are available. Consult factory with your specific project requirements.

## UNDERWRITERS LABORATORIES, INC.® RATINGS OF BULLET-RESISTANT MATERIALS

RATINGS	AMMUNITION	GRAIN	WEIGHT (g)	VELOCITY MINIMUM (fps)	VELOCITY MINIMUM (mps)	NUMBER OF SHOTS
Level 1	9mm Full Metal Copper Jacket with Lead Core	124	8.00	1175	358	3
Level 2	.357 Magnum Jacketed Lead Soft Point	158	10.20	1250	381	3
Level 3	.44 Magnum Lead Semi-Wadcutter Gas Checked	240	15.60	1350	411	3
Level 4	.30 Caliber Rifle Lead Core Soft Point	180	11.70	2540	774	1
Level 5	7.62mm Rifle Lead Core Full Metal Copper Jacket, Military Ball	150	9.70	2750	838	1
Level 6	9mm Full Metal Copper Jacket with Lead Core	124	8.00	1400	427	5
Level 7	5.56 Rifle Full Metal Copper Jacket with Lead Core	55	3.56	3080	939	5
Level 8	7.62mm Rifle Lead Core Full Metal Copper Jacket, Military Ball	150	90	2750	838	5

## NATIONAL INSTITUTE OF JUSTICE RATINGS OF BULLET-RESISTANT MATERIALS

ARMOR TYPE	TEST AMMUNITION	NOMINAL BULLET MASS	SUGGESTED BARREL LENGTH	REQUIRED BULLET VELOCITY	REQUIRED HITS PER ARMOR SPECIMEN	PERMITTED PENETRATIONS
I	.22 LRHV, Lead .38 Special, RN Lead	2.6 g, 40 gr	15 to 16.5 cm, 6 to 6.5 in.	320 ± 12m/s, 1050 ± 40 ft/s	5	0
		10.2 g, 158 gr	15 to 16.5 cm, 6 to 6.5 in.	259 ± 15m/s, 850 ± 50 ft/s	5	0
II-A	.357 Magnum, Jacketed Lead Soft Point 9 mm, Full Metal Jacket	10.2 g, 158 gr	10 to 12 cm, 4 to 4.75 in.	381 ± 15m/s, 1250 ± 50 ft/s	5	0
		8.0 g, 124 gr	10 to 12 cm, 4 to 4.75 in.	332 ± 12m/s, 1090 ± 40 ft/s	5	0
II	.357 Magnum, Jacketed Lead Soft Point 9 mm, Full Metal Jacket	10.2 g, 158 gr	15 to 16.5 cm, 6 to 6.5 in.	425 ± 15m/s, 1395 ± 50 ft/s	5	0
		8.0 g, 124 gr	10 to 12 cm, 4 to 4.75 in.	358 ± 12m/s, 1175 ± 40 ft/s	5	0
III-A	.44 Magnum Lead Semi-Wadcutter Gas Checked 9 mm, Full Metal Jacket	15.55 g, 240 gr	14 to 16 cm, 5.5 to 6.25 in.	426 ± 15m/s, 1400 ± 50 ft/s	5	0
		8.0 g, 124 gr	24 to 26 cm, 9.5 to 10.25 in.	426 ± 15m/s, 1400 ± 50 ft/s	5	0
III	7.62 mm, 308 Winchester Full Metal Copper Jacket	9.7 g, 150 gr	56 cm, 22 in.	838 ± 15m/s, 2750 ± 50 ft/s	5	0

# BULLET-RESISTANT WOOD DOORS

Overly Wood Bullet-Resistant Door assemblies have been tested in accordance with UL Standard for Safety 752 at Underwriters Laboratories in Northbrook, IL for weapons protection levels 1-3 and are designed to be hung in our UL-listed metal bullet-resistant framing systems. These assemblies are intended for interior use only.

Product features include a fully bonded multi-layer ballistic core that can be laminated with a complete line of wood veneer species and MDO faces that can be delivered unfinished, prime painted, or with clear or custom stain matched. Plastic laminates are available from a variety of manufacturers. Vertical edges of the doors are edge banded to match the face material selected.

These 1-3/4" door leafs are available in a maximum leaf size of 4' x 10' swinging in single or pair configurations. If fire labels are required, 20 minute ratings are available for flush single swing doors up to 4' x 10'.

For non-fire rated doors, when vision lights are required, the doors are provided with a factory glazed, metal light kit with glass clad polycarbonate to match the rating of the door panel.

If your project calls for UL bullet-resistant protection levels 4 – 8, Overly can offer a non-UL-listed door assembly fabricated from UL-listed fiberglass liner materials incorporated in the door panel.

For all bullet-resistant wood door assemblies, it is essential that the hardware be compatible for the individual levels door constructions. Openings are required to be secured with a cylindrical, mortise, mortise panic or rim panic device for singles and active leafs of pairs, and flush bolts or vertical rods for in-active leafs. It is important to note that each pair of doors **MUST** be equipped with an over-lapping metal astragal fabricated to meet the UL protection level of the opening. Doors are also not able to incorporate hardware of the concealed type such as closers, hold opens, vertical rods, etc.

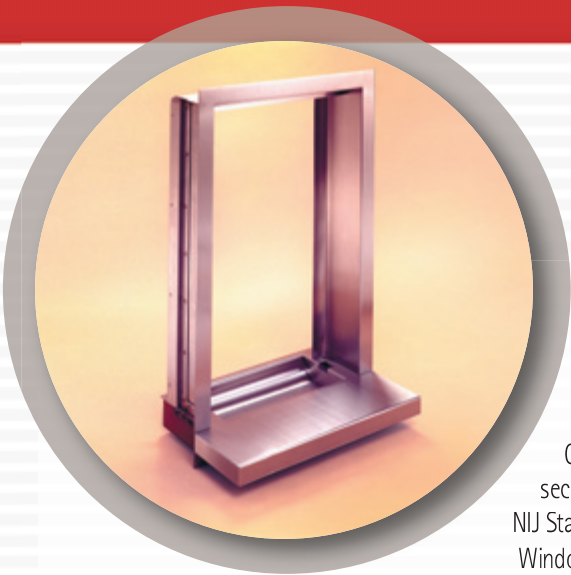
Hinges used for swing the doors need to be able to accommodate the weights of the flush doors as indicated in the chart below. Heavy weight ball bearing hinges can be used for levels 1, 2, 3 and 6. It is recommended that continuous hinges be used on levels 4, 5, 7, and 8.



Threat Level	Door Thickness	Door weight/sq. ft.
UL Level 1	1-3/4"	10.1 lb/sq. ft.
UL Level 2	1-3/4"	11.0 lb/sq. ft.
UL Level 3	1-3/4"	11.7 lb/sq. ft.
UL Level 4	2-1/2"	20.3 lb/sq. ft.
UL Level 5	2-1/2"	20.8 lb/sq. ft.
UL Level 6	1-3/4"	11.0 lb/sq. ft.
UL Level 7	2-1/4"	18.0 lb/sq. ft.
UL Level 8	2-1/2"	21.3 lb/sq. ft.

When electrified locks/latches are required, preparations for electrified hinges or power transfers and corresponding raceways may be able to be provided in the door panels. Consult factory with your specific project requirements to verify compatibility.





## BALLISTIC-RESISTANT TRANSACTION SERVICE WINDOWS

To facilitate the transfer of currency and documents without compromising ballistic protection, Overly offers a complete line of Ballistic-Resistant Transaction Service Windows that feature integral pass-through trays and secure natural voice transmission systems to alleviate the need for an electronic communications device. Overly Transaction Service Windows have been tested and listed by UL as bullet-resistant security devices. They are available in each of the eight UL 752 ballistic levels, as well as to NJ Standard 0108.01.

Window sills are offered in a #4 stainless steel finish, and the window frames are available in either a primed painted steel or a #4 stainless steel finish. The window sills are also available with a writing shelf. Window frame anchorages may be specified as either a built-in or bolt-in type configuration.

Standard Overly Ballistic-Resistant Transaction Service Windows are offered with bullet-resistant laminated glass, the thickness of which is determined by the specified ballistic level. As an option, the windows are available with acrylic, polycarbonate, and glass-clad polycarbonate transparent armors.

## BALLISTIC-RESISTANT FIXED VISION WINDOWS

To complement its Ballistic-Resistant Transaction Service Window line and provide total bullet resistance, Overly offers Ballistic-Resistant Fixed Vision Windows to provide for secure viewing from a protected area.

Overly Fixed Vision Windows are available in prime painted or a #4 stainless steel finish, and offer the same anchorage and transparent armor options as the Ballistic-Resistant Transaction Service Window.

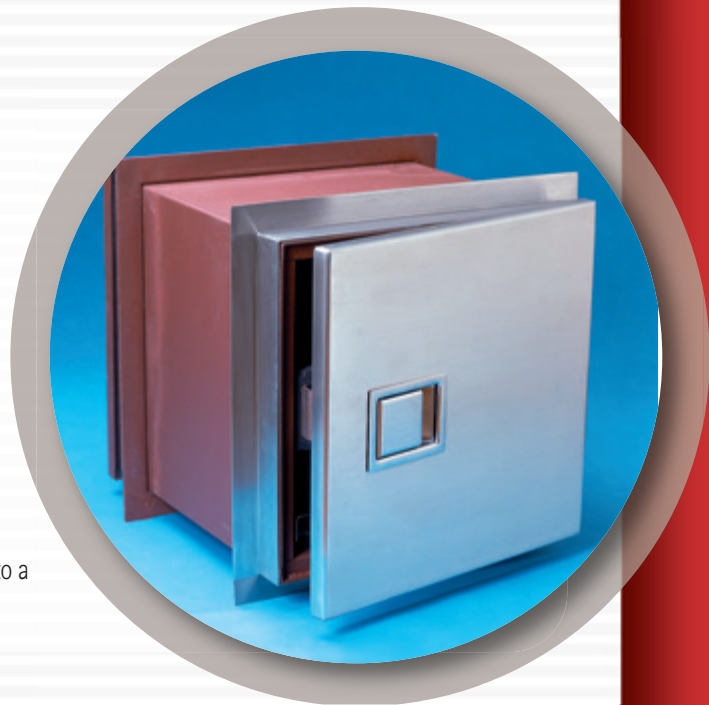
Overly can also incorporate acoustical performance requirements in its Ballistic-Resistant Fixed Vision Windows. Consult factory with your project's specific requirements.

## PACKAGE PASS-THROUGHS

To facilitate the transfer of packages in a secure environment, Overly offers ballistic-resistant package pass-throughs. These package pass-throughs are available in each of the eight UL 752 ballistic levels.

If your project requires additional secure performance requirements such as acoustical and/or fire protection, Overly can incorporate these features. For sound control, an STC rating of 52 is available as tested in accordance with ASTM E90, and for fire, a 1-1/2 hour UL rating in accordance with UL10B/UL10C/UBC7-2 is available.

All of Overly's package pass-throughs are custom manufactured around your specific maximum package size and are designed with a mechanical interlock that prevents both doors from being open at the same time, guaranteeing the ballistic protection at all times. Units are available in #4 finish stainless-steel or prime painted carbon steel and come fully assembled with a clamp-on frame ready for installation into a prepared opening. Consult factory with your specific project needs.



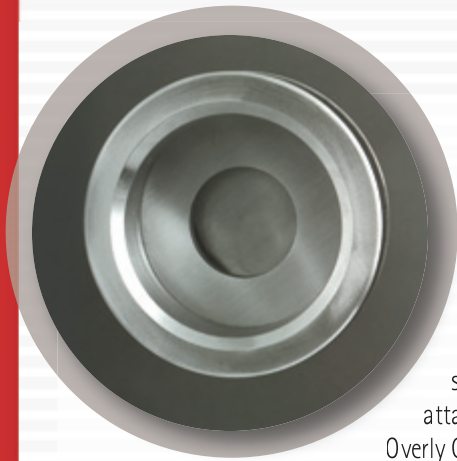
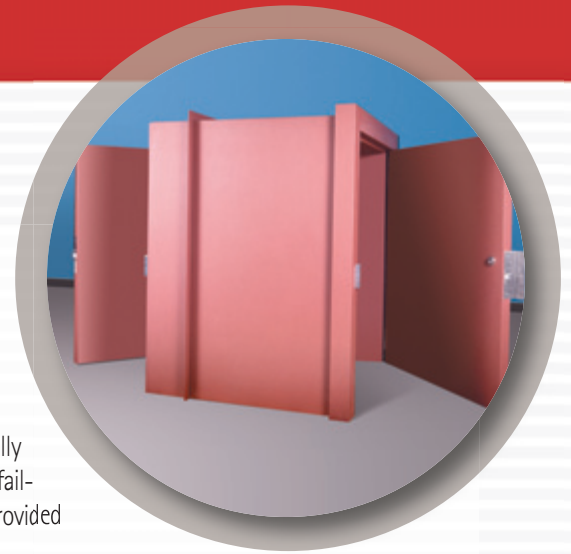
# MONEY CART PASS-THROUGHS

Overly Series MCPT Money Cart Pass-Throughs are used in banks, financial institutions, casinos, and armored car services where large sums of money or valuables in various forms are transferred. Pass-Throughs are designed to totally contain a money cart within its enclosure.

Series MCPT Pass-Throughs are completely assembled units composed of pass chamber, wall clamping flanges and integral horizontal swinging doors. Doors are electrically interlocked to permit opening of only one door at a time. Locking systems are classified as fail-secure. If units are used in barriers not under constant surveillance, integral switches can be provided to permit remote monitoring.

Series MCPT assemblies are listed by Underwriters Laboratories, Inc. (UL) as bullet-resisting assemblies in compliance with Standard for Safety-UL 752, Bullet-Resisting Equipment for Levels 1-8, as well as to NIJ Standard 0108.01. Frames telescope to adjust to finish wall thickness by clamping the wall opening. The finished wall thickness must be specified at time of order. Non-standard sizes are available upon request.

Standard finish is prime paint, both sides. The following finishes are available: #4 stainless steel doors either side; stainless steel clamping flange with integral drip cap on hazard side or complete construction of stainless steel. Money Cart Pass-Throughs are shipped completely set up with hardware applied and ready to install.



# GUNPORTS

To complete a defensive position and allow for secure return-fire capability, Overly offers Ballistic-Resistant Gunports. These gunports feature a tamper-resistant locking mechanism and have a positive closing slide to eliminate accessibility from the outside. Assemblies are listed by Underwriters Laboratories, Inc. (UL) as being bullet-resistant in compliance with Standard for Safety UL 752, Bullet-Resisting Equipment for weapons protection levels 1-8, as well as to NIJ Standard 0108.01.

Overly gunports are manufactured of investment cast type 304 stainless steel with ballistic slide bars fabricated from type 304 stainless steel bar of sufficient thickness to withstand specified attack level. Product is fully assembled and supplied with gaskets and mounting screws.

Overly Gunports are offered with a stainless steel finish and may be mounted through the wall or transparent armor.

# VOICE APERTURES

Overly Ballistic-Resistant Voice Apertures are designed for mounting in armored vision lights to provide an inexpensive, maintenance-free, non-electronic method of voice transmissions, in control rooms, currency exchanges, teller windows and other ballistic protected areas. Assemblies are listed by Underwriters Laboratories, Inc. (UL) as being bullet resisting assemblies in compliance with Standard for Safety-UL 752, Bullet-Resisting Equipment for the following threat levels weapons protection levels 1-8, as well as to NIJ Standard 0108.01.

Overly Ballistic-Resistant Voice Apertures are manufactured of investment cast type 304 stainless steel with ballistic baffles fabricated from type 304 stainless steel material of sufficient thickness to withstand specified attack level. Product is fully assembled and supplied with gaskets and mounting screws.

# ADDITIONAL PERFORMANCE FEATURES

In addition to the bullet-resistant capabilities, Overly offers UL 10b (neutral pressure) and UL 10C (positive pressure) fire ratings for those swinging door and frame units as follows:

For flush doors fabricated from carbon and galvanized steel, up to 3 hour UL fire ratings for single swing units up to 4' x 10' and pair units up to 8' x 10' when equipped with appropriate hardware.

For doors fabricated from wood, 20 minute UL fire ratings for single swing units only up to 4' x 8' when equipped with appropriate hardware.

For certain constructions, Overly can also provide acoustical, blast, pressure and airtight performance requirements. Consult factory with your specific needs.



## OVERLY DEPARTMENT OF STATE CLASS 5 MAXIMUM SECURITY VAULT DOORS

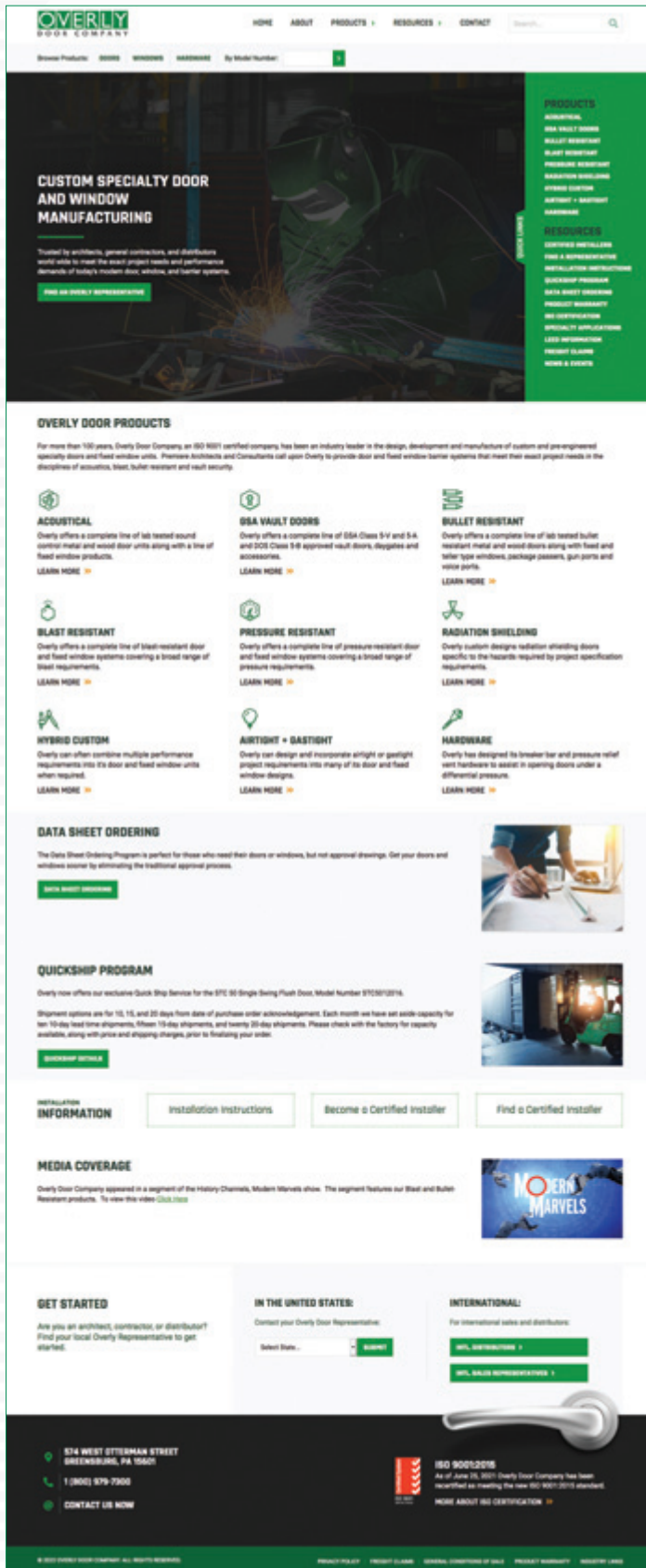
Overly offers an upgraded version of its GSA Class 5 vault door for those Class 5-B applications. In addition to meeting the requirements of Federal Specification AA-D-600D, the Overly DOS Class 5 Maximum Security Vault Door provides the following security protection:

- 20 man hours against surreptitious entry
- 30 man minutes against covert entry
- 10 man minutes against forced entry
- 20 man hours against manipulation of lock
- 20 man hours against radiological attack
- 60 minutes of penetration delay against battering attacks, and intense and concentrated hand tool attacks
- Able to withstand both 7.62mm and 5.56mm multiple shot ballistic attack without penetration per Department of State (DOS) specification SD-STD-01.01 Revision G

DOS Class 5-B vault door model numbers		
National Stock Number	Model	Product Description
7110-01-475-8814	OV2133-9R	Right Swing, With Optical Device
7110-01-475-8824	OV2133-9L	Left Swing, With Optical Device
7110-01-475-8822	OV2133-9AR	Right Swing, With Optical Device, No Exterior Hardware
7110-01-475-8826	OV2133-9AL	Left Swing, With Optical Device, No Exterior Hardware



# CHECK OUT OUR NEW, ENHANCED, MOBILE-FRIENDLY WEBSITE AT [WWW.OVERLY.COM](http://WWW.OVERLY.COM)



Overly Door Company is pleased to announce the launch of the newly updated and expanded website for Overly Door. In addition to a pleasing new graphic interface, the site features easy navigation and a fully searchable database to help visitors to the site quickly find the information they need. [www.overly.com](http://www.overly.com)

Our new website is designed for viewing on the electronic device of your choice, so you can easily access the information you need regarding our products. If, however, you still have difficulty finding what you're looking for, or you wish to discuss the product information further, use the "Find a Representative" link to locate your local Sales Representative and obtain their contact information.



Please note: Overly will no longer provide the printed or online versions of its product binder. Now you can download the specific items and information you need for your project at [www.overly.com](http://www.overly.com)



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