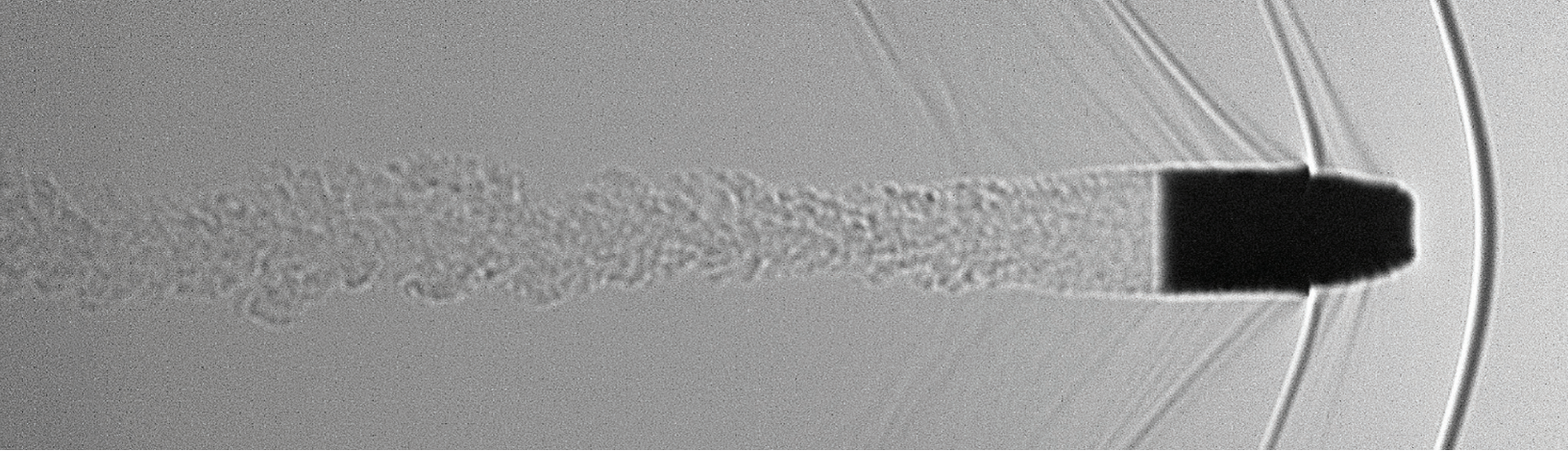# Republic

Bullet resistant doors and frames

Overview

Republic offers up to eight levels of bullet resistant door and frame protection, ranging from 9mm handguns (Level 1) up to 7.62mm military assault rifles (Level 8). All bullet resistant doors are tested and labeled in accordance with UL752 and constructed per SDI Level 4. They also come standard with polystyrene or mineral wool core for interior or exterior applications. These assemblies are designed for installations such as public utility and military buildings, cashier islands and currency exchanges, cellular tower units and any other security location requiring bullet resistance.

Features and benefits

- SDI level 4 - maximum duty - performance level a
- Flush top channel standard for exterior applications
- All doors have insulated polystyrene or mineral wool core as standard
- Seamless vertical edges (visible optional)
- Single doors through 5'0 x 10'0 opening
- Paired openings through 10'0 x 10'0* (Level 3 max)
- 4 $\frac{1}{2}$", 5" And continuous hinge preparations available
- Glass lights available (consult factory; exclude glass & glazing)
- Gov 86 or Gov 161 lock preparations available

Protection Levels per UL752

Republic's bullet resistant systems offer various levels or protection defined by UL72 standard ratings. Each of the 8 levels shown below have been tested and found effective at stopping a variety of projectiles, especially ones most typically used during an armed robbery. Although the UL72 ratings extend to Level 8, most banks, credit unions, and convenience stores are typically protected in Levels 1-3.

Level	No. of shots	Ammunition	Grain	Min. velocity
1	3	9mm full metal copper jacket	124	1,175 fps
2	3	.357 Magnum	158	1,250 fps
3	3	.44 Magnum lead semi-wad cutter gas checked	240	1,350 fps
4	1	.30 caliber rifle lead core	180	2,540 fps
5	1	7.62mm rifle full metal jacket military ball	150	2,750 fps
6	5	9mm full metal jacket	124	1,400 fps
7	5	5.56mm rifle full metal jacket	55	3,080 fps
8	5	7.62mm rifle full metal jacket military ball	150	2,750 fps
Supplementary shotgun	3	12 ga. rifled lead slug	437	1,585 fps

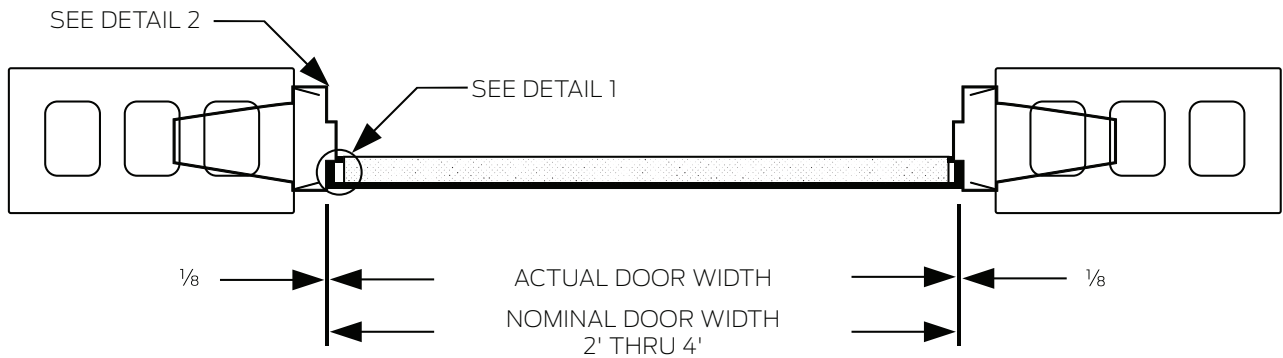Level 1 (9 mm)

Level 2 (.357 magnum)

Level 3 (.44 magnum)

Testing & Certification: All door & frame assemblies tested in accordance with: UL 752-1995
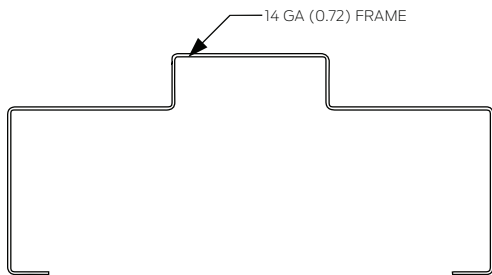**Testing was performed by:** Intertek Testing Services

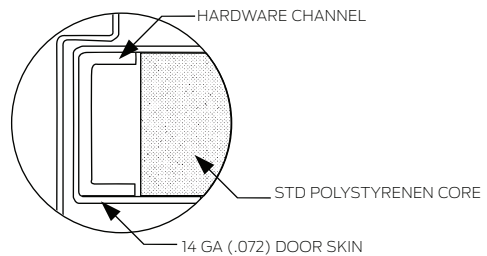# Typical Republic bullet resistant construction details

DE Series doors and ME Series frames allow the architect/specifier the highest level of performance and construction flexibility. Listed below are some of the various types of anchorage styles available along with various standard hardware preparations. With these types of high security openings, security is only as good as the weakest link. For this reason, Republic recommends that the adjacent walls provide the same level of bullet resistance as Republic's bullet resistant system.
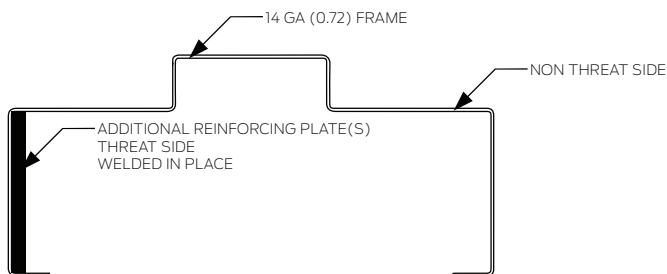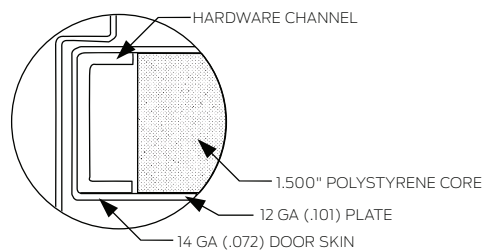
SEE DETAIL 2

SEE DETAIL 1

⅛   ACTUAL DOOR WIDTH   ⅛

NOMINAL DOOR WIDTH
2' THRU 4'

Detail 2, Level 1

14 GA (0.72) FRAME

Detail 1

HARDWARE CHANNEL

STD POLYSTYRENEN CORE

14 GA (.072) DOOR SKIN

Detail 2, Level 2 and 3, Armor Reinforcement

14 GA (0.72) FRAME

NON THREAT SIDE

ADDITIONAL REINFORCING PLATE(S)
THREAT SIDE
WELDED IN PLACE

Detail 1—Typical construction

HARDWARE CHANNEL

1.500" POLYSTYRENE CORE

12 GA (.101) PLATE

14 GA (.072) DOOR SKIN
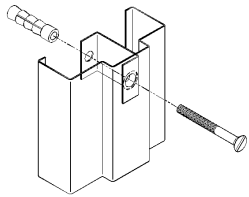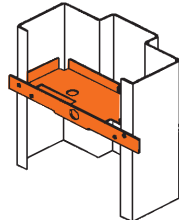
Typical Republic bullet resistant construction details (continued)
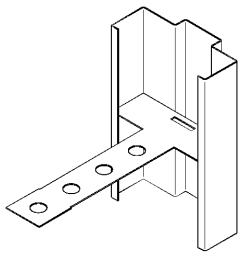
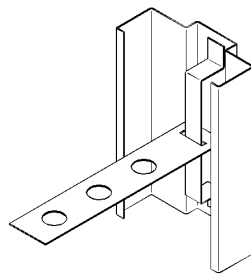## Anchor options

Prepared opening anchor

Snap in universal anchor

For technical information and specifications, view the tech data manual at republicdoor.com.
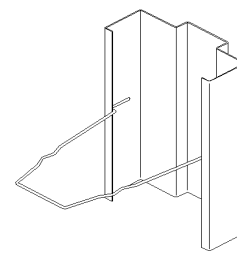
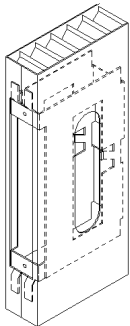*Anchor type contingent on level of rating and necessary construction
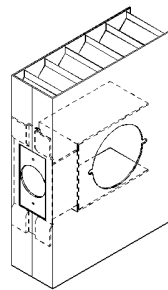
Masonry Tee

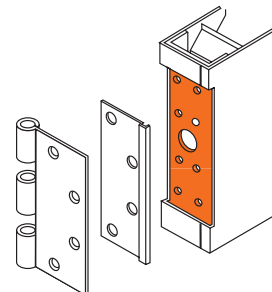Adjustable strap

Masonry wire

Standard hardware preps

Government 86 series
mortise lock

Government 161 series
cylindrical lock

4$\frac{1}{2}$" or 5" full mortised
hinge provision

About Allegion

Allegion (NYSE: ALLE) is a global pioneer in safety and security, with leading brands like CISA®, Interflex®, LCN®, Schlage®, SimonsVoss® and Von Duprin®. Focusing on security around the door and adjacent areas, Allegion produces a range of solutions for homes, businesses, schools and other institutions. Allegion is a $2 billion company, with products sold in almost 130 countries. For more, visit **www.allegion.com.**

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