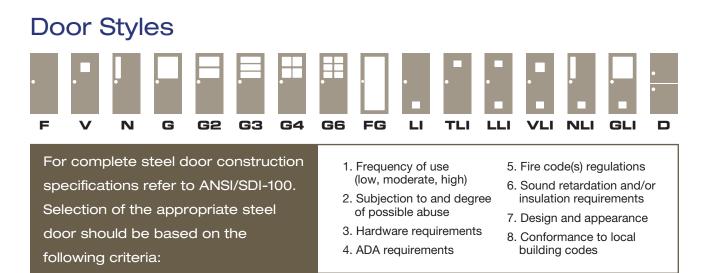
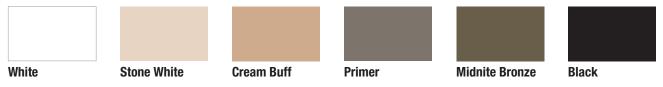




Standard Door Specifications



Republic Finish Paint Colors



Due to variations in printing processes, actual colors may vary slightly from those pictured. Other colors available upon request.

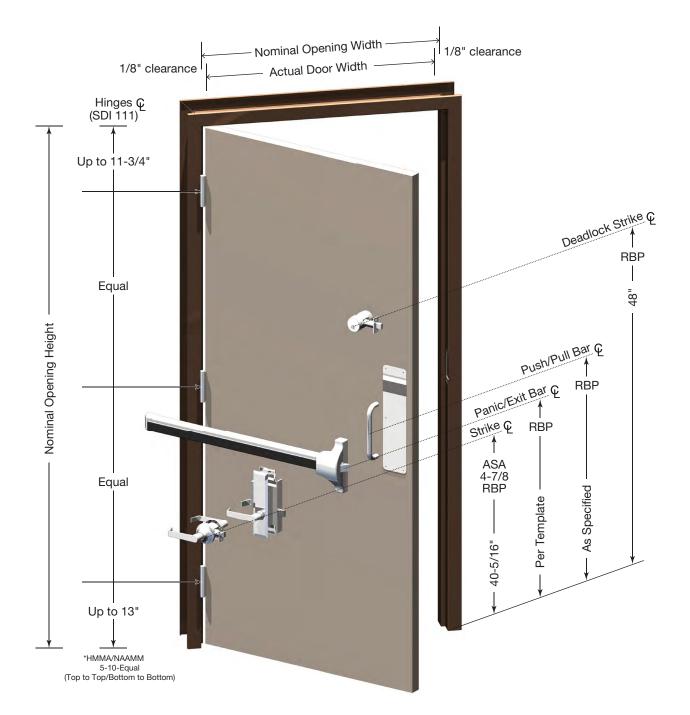
SDI Classifications

	Grade	Model	Construction	RBP Series
I	Physical Performance Level C (1-3/4" and 1-3/8") Standard Duty Minimum Gage = 20	1	Full Flush	DM/DL 420, DE820/18 DM/DL 420, DE820/18
II	Physical Performance Level B (1-3/4" Only) Heavy Duty Minimum Gage = 18	1	Full Flush	DM 418, DL 418, DE 418
		2	Seamless	DM 418, DL 418, DE 418
III	Physical Performance Level A (1-3/4" Only) Extra-Heavy Duty Minimum Gage = 16	1	Full Flush	DL 416, DE 416
		2	Seamless	DL 416, DE 416
IV	Physical Performance Level A (1-3/4" Only) Extra-Heavy Duty Minimum Gage = 14	1	Full Flush	DE 414
		2	Seamless	DE 414





Hardware Locations



Locations	RBP	SDI	ADA	HMMA	NAAMM
Deadbolt Strike	48"	48"	48"		
Deadbolt Cyl				46"	46"
Strike	40-5/16"	38" - 42"		38"	38"
Panic/Exit Bar	Per Template			38"	38"
Push/Pull Bar	As Specified			42"	42"

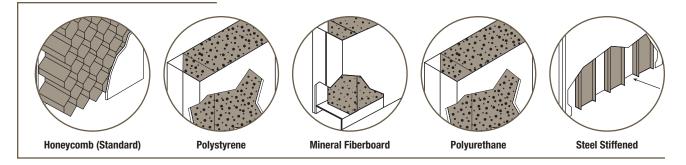
Reference	es:
RBP	Republic Doors and Frames
SDI	Steel Door Institute
ADA	Americans with Disabilities Act
HMMA	Hollow Metal Manufacturer's Association
NAAMM	National Association of Architectural
	Metal Manufacturers

NOTE: When Government Series 86 lock is used (ANSI A115.1) dimension to center of lock is 3/8" less.

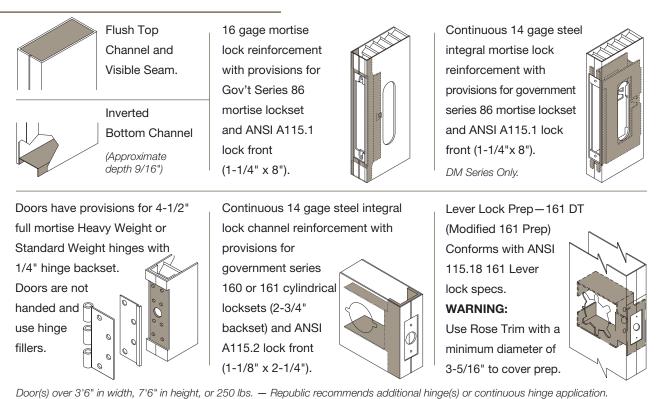


Standard Door Features

Cores Available



Standard Construction



Options Available

Door Thickness: 1-3/4" (Standard) 1-3/8" (Honeycomb & Styrene) 2" & 2-1/4" (Steel Stiffened)

Gages: 20, 18, 16 and 14 (Steel Stiffened not available in 20 ga.)

Material: CRS (Standard) A60 & G90 Door Edges: Visible Seam (Standard) Seamless Bondo Seamless Welded

Sizes:

From 1'0 x 1'0 to 4'0 x 10'0 (All Cores) Steel Stiffened Core available up to 5'0 x 10'0 Fire Ratings: 20 minutes through 3 hours (see fire section for options)

SDI Levels: 1-4

Physical Performance: Level A – 1 million cycles (All Cores)





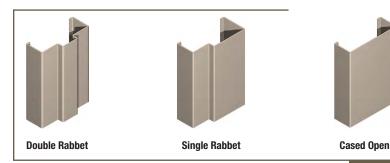
Embossed Doors



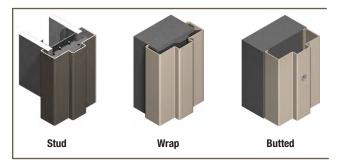


Universal Frames

Typical Frame Profiles

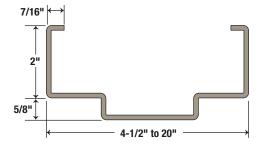


Typical Wall Construction



Republic offers a complete line of single return frames. Frames are available in 16, 14 or 12 gage steel; cold rolled or A60 galvannealed. Frames (16 and 14 gage) are manufactured with die-cut, mitered, tab and slot design for easier assembly and interlocking corners. Our frames are available as knock down units or welded.

Double Egress



Typical Sill and Wall Anchors





Sill Anchor



Stud

Wire



Strap

Frames are manufactured for various wall conditions, from new construction to existing. Conformance to SDI standards, and ANSI A250.8.

т

Options Available

Corner Conditions: KD Mitered, Saw Mitered, Notched, Square Cut, Face Welded or Full Profile Welded

Frame Details: 3" to 20" (Single Rabbet) 4-1/2" to 20" (Double Rabbet) 4-3/4" to 20" (Double Egress) Gages: 16, 14 and 12 (KD mitered not available on 12 gage)

Material: CRS (Standard), A60 and G90 Fire Ratings: 20 minutes through 3 hours (see fire section for options)

Available as: 3-Sided Frames Stick Sections Elevations





Drywall Frames

Typical Frame Profiles





Single Rabbet

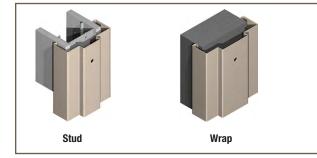




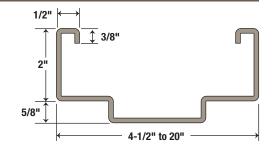
Cased Open

Double Egress

Typical Wall Construction



Republic offers a complete line of double return frames available in 16 and 14 gage cold rolled or A60 galvannealed steel. Frames are knock-down construction and are designed to be installed in standard or non-standard wall sizes over pre-finished or unfinished drywall.



Typical Sill and Wall Anchors





Pressure Anchor

Sill Anchor (Loose)

Options Available

Corner Conditions: KD Mitered, Saw Mitered, Notched, Square Cut, Face Welded or Full Profile Welded

Frame Details: 3" to 20" (Single Rabbet) 4-1/2" to 20" (Double Rabbet) 4-3/4" to 20" (Double Egress) Gages: 16 and 14 Material: CRS (Standard), A60 and G90

Drywall frames are available for either 1 3/8 or 1 3/4 inch thick doors. They have precision mitered corners for a smooth attractive design.

> Fire Ratings: 20 minute through 90 minute (see fire section for options)

Available as: 3-Sided Frames Stick Sections Elevations

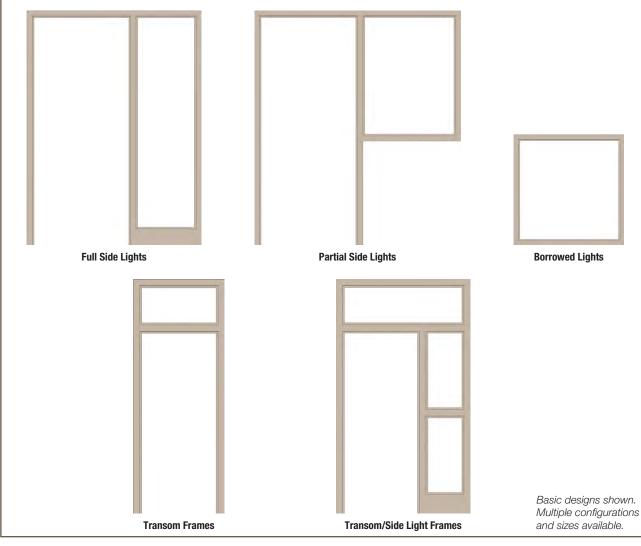




Frame Elevations

Republic's pre-engineered steel frame components provide unlimited flexibility for opening systems. Components are used to fabricate even the most complex entrance fronts, partitions, and window wall designs. The variety of jamb depths and sizes permit greater design freedom.

Example Elevations



Options Available

Corner Conditions: KD Mitered, Saw Mitered, Notched, Square Cut, Face Welded or Full Profile Welded

Profiles Available: Universal & Drywall

Frame Depths:

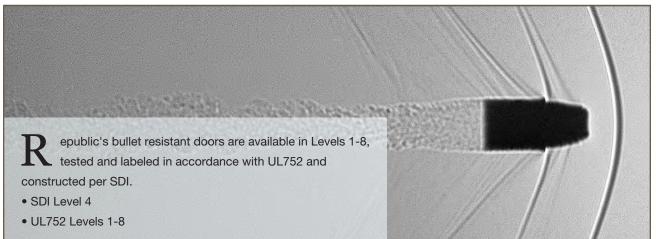
3" to 20" (Single Rabbet) 4-1/2" to 20" (Double Rabbet)

Gages: 16, 14 and 12* * Drywall not available in 12 gage * Mullions not available in 12 gage Material: CRS (Standard), A60 and G90

Fire Ratings: 20 minutes through 90 minutes (see fire section for guidelines)



Bullet Resistant Products



Protection Levels per UL752

Level	No. of Shots	Ammunition	Grain	Minimum Velocity
1	19	9mm Full Metal Copper Jacket	124	1,256 fps
2	3	.357 Magnum	158	1,250 fps
3	19	.44 Magnum Lead Semi-wad Cutter Gas Checked	240	1,350 fps
4	19	.30 Caliber Rifle Lead Core	180	2,540 fps
5	5	7.62mm Rifle Full Metal Jacket Military Ball	150	2,750 fps
6	5	9mm Full Metal Jacket	124	1,400 fps
7	12	5.56mm Rifle Full Metal Jacket	55	3,080 fps
8	12	7.62mm Rifle Full Metal Jacket Military Ball	150	2,750 fps
Supplementary shotgun	3	12 ga. Rifled Lead Slug	437	1,585 fps

Features

Interte

- Single Doors through 5'0 x 10'0 opening
- Paired Openings through 10'0 x 10'0*
 - * Bullet Resistant Astragal is required
- Frame Elevations Available Consult Tech Support for details
- Fire Rated up to 3 hours** ** See Fire Rated Section for details
- Glass Kits Available (Glass by others) Consult Tech Support for details

Door(s) over 3'6" in width, 7'6" in height, or 250 lbs. — Republic recommends additional hinge(s) or continuous hinge application.



Acoustical (STC) Rated Products

Hardware Packages

STC Hardware Package STC 40 through 47 (Singles)

- 1. Bulb Seal Zero 485
- 2. Threshold Options Zero
 - 564-1/4" to 3/8" bottom clearance
 - 566A-3/8" to 1/2" bottom clearance
 - 560-5/8" to 3/4" bottom clearance
- 3. Perimeter Seal (options)
 - Zero 8150
 - Zero 119W
 - Pemko S773
 - Pemko S88

STC Hardware Package STC 48 through 52 (Singles)/STC 47 (Pairs)

- 1. Bulb Seal Zero 870
- 2. Threshold (options) Zero
 - 564-1/4" to 3/8" bottom clearance (only option for STC 52)
 - 566A-3/8" to 1/2" bottom clearance
 560-5/8" to 3/4" bottom clearance
- 3. Perimeter Seal (options)
 - Zero 8150
 - Zero 119W (only option for STC 52)
 - Pemko S773
 - Pemko S88
- 4. Door Bottom Zero 367
- 5. Door Sweep Zero 328
- 6. Hinges Options
 - Zero Z955 4.5"
 - Zero Z953 5.0"

Tested per ASTM E90 & E413 Ratings Available

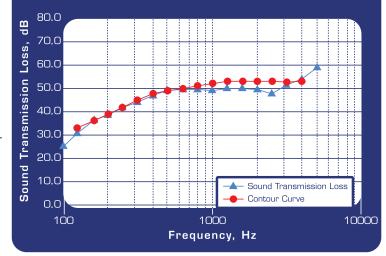
- Single Flush Doors STC 40 to STC 52
- Single 6-Panel Embossed Doors as STC 40
- Pairs of Flush Doors STC 47 (max)
- Glass Kits Available (STC ratings are affected) (Glass by others)

Consult Tech Support for details

Door(s) over 3'6" in width, 7'6" in height, or 250 lbs. — Republic recommends additional hinge(s) application. T ake control of your environment and reduce unwanted noise with Republic's acoustical (STC rated) doors and frames. Acoustical performance of building products, components, and systems is an important consideration for engineers, specifiers, and building owners. This is especially true in highly populated cities, areas around highways, railroads, airports, and high density residential zones. The demand for efficient noise control in these areas is rising constantly.



Sound Transmission Loss







FEMA 320/361 Tornado Products

ornados form quickly giving people little time to prepare. Tornado prepared rooms and buildings provide shelter. Republic's FEMA (Tornado) doors and frames are an important part of the equation for areas of refuge.



Features

- Single Openings through 4'0 x 8'0
- Paired Openings through 8'0 x 8'0
- Fire rating up to 3 hours (see fire rated section for details)
- Flush design only
- 3 or 4 Sided Opening configuration

Door(s) over 3'6" in width, 7'6" in height, or 250 lbs. (Republic recommends additional hinge(s) application).

Approved Hardware Applications

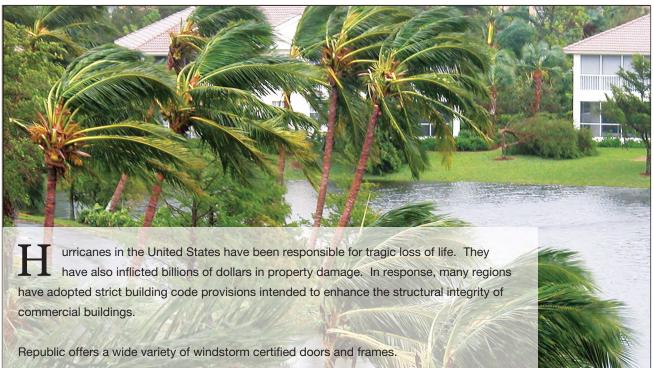
- Medeco Maxum Deadbolts (x3) with Grade 1 Cylindrical or mortise lockset* Corbin Russwin FE6800*
- Sargent FM7100* Sargent FM8700
- Von Duprin WS9927
- Securitech 4340*
- Securitech 5000*
- Securitech 7000
- Securitech 8000
- **Concealed Rods Concealed Rods Surface Rods** Surface Rods **Residential Multiple Deadbolt Lock Multiple Bolt Lockset Concealed Rods Concealed Rods**



*Inswing or Outswing option (hardware specific)



Hurricane Rated Products



Certifications for

Florida Building Code 2010: FL15868 FL15869 FL15870 FL15871 Miami-Dade County NOA 2010: 12-0601.21 12-0604.12 12-0604.13 12-0604.14 Texas Department of Insurance: DR551 DR552 DR553

Hardware Applications

4.5" Hinges Rim Exit Device Surface Bolts / ASA / Astragal Cylindrical Lock Card Lock Mortise Lock Surface Vertical Rod

Options Available

Windload Ratings:	Up To:
Single Flush Door	+/- 114 psf
Single Embossed Door	+/- 80 psf
Single Glass Kit Door	+/- 50 psf
Single Louvered Door	+/- 70 psf
Paired Flush Doors	+/- 90 psf
Paired Glass Kit Doors	+/- 50 psf
Paired Louvered Doors	+/- 70 psf
Frame Elevations	+/- 50 psf

Maximum Door Sizes:				
Single Doors	4'0 x 8'0			
Pair of Doors	8'0 x 8'0			
Frame Elevations	12'8 x 10'4			

Frame Anchors: Masonry or Existing Opening Door Designs: Flush Embossed (2, 4, or 6 Panel) Glass Kits (up to Full Glass) (Glass by others)

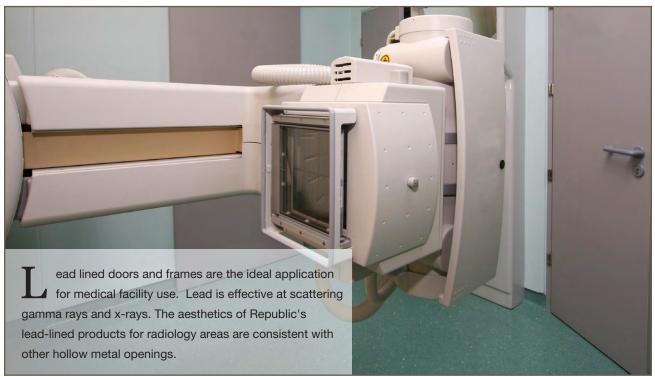
Louvers (up to Full Louver)

Options vary by approval. For specific details, contact Tech Support or see Tech Data Sheets.



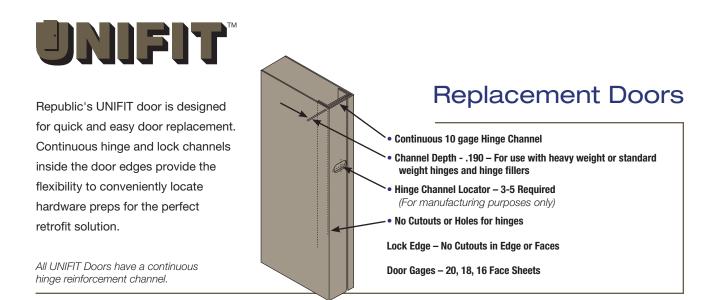


Lead Lined Products



Features

- 1/16" Lead Lining (Standard)
- Other Lead Thicknesses available (Consult Tech Support for details)
- Steel Stiffened Core
- Glass Kits Available (Consult Tech Support for details)
- Pairs of Doors (Lead Lined Astragal required)
- Sizes Available: Single through 5'0 x 10'0 & Pairs through 10'0 x 10'0
- Fire Rating through 90 Minutes



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Fire Rated Products



Underwriters Laboratories and Intertek / Warnock Hersey Approved

Requirements: Doors must be self-latching, self-closing and use fire rated hardware.

Fire rated glass (supplied by others) must be used for the appropriate rating on doors and frames with glass. Hollow Metal Doors* and Frames* tested in accordance with UBC 7-2, UL 10B & UL 10C meeting the requirements of NFPA 80, NFPA 252 & SDI 118.

Hollow I	Metal Doo	or Options
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- Ratings Available: 20 minutes through 3 hours
- Maximum Sizes: Single: 5'0 x 10'0 & Pairs - 8'0 x 10'0 Double Egress Pairs: 8'0 x 8'0
- Cores: Honeycomb, Styrene, Steel Stiffened, Mineral Fiberboard (250° Degree TR)

Designs:				
Flush, Embossed, Glass Kits, Louvers, Dutch				
Narrow and Vision Light Kits	3 hour (max)			
Half Glass Kits	90 minutes (max)			
Full Glass Kits	20 minutes (max)			
Louvers—fusible link, (24" x 24" max & 1 per door)	90 minutes (max)			
Dutch Doors (astragal & both leaves latch)	90 minutes (max)			
Specialty Doors				
Bullet, FEMA, STC, & Hurricane Doors	3 hour (max)			
Lead Lined	90 minutes (max)			

Hollow Metal Frame Options

- Ratings Available: 20 minutes through 3 hours
- Maximum Sizes: Single - 5'0 x 10'0 & Pairs - 8'0 x 10'0 Double Egress Pairs - 8'0 x 8'0
- Frame Depths: 3" to 20" (3" to 4-½" - single rabbet profile)
- Corner Conditions: KD (Knock Down), Face Welded or Full Profile Weld
- Frame Types:

 3-Sided Universal (KD or welded)
 3 hour (max)
 3 Sided Drywall (KD)
 90 minutes (max)

 Frame Elevations
 (welded & sizes vary by rating)

 Transom Frames w / Panels
 (welded & sizes vary by rating)

 3 hour (max)

* Doors and Frames may have certain fire rating restrictions based on various options, consult Tech Support or refer to Tech Data for specific details.





Door / Frame Handing Chart

How to determine hand of door and frame. Hand all doors by standing outside or key side - facing

Single Doors

INSIDE **⊓ R.H**. L.H. 🖻 INSIDE L.H. R.H. 🛙 Hinge Strike Strike Hinge When door leaves swing toward Jamb [Jamb Jamb Jamb you and hinges are on right side OUTSIDE OUTSIDE OUTSIDE of door: Key Key • Door is Right Hand Reverse Right Hand Reverse Door Left Hand Reverse Door • Frame is Left Hand (Swing Out) Left Hand Frame (Swing Out) Right Hand Frame INSIDE INSIDE When door leaves swing to Key Key inside and hinges are on right side of door: R.H. 🛙 L.H. R.H. L.H. OUTSIDE OUTSIDE Strike Hinge Hinge Strike Door is Right Hand Jamb I Jamb Jamb Jamb • Frame is Right Hand Right Hand Door (Swing In) Left Hand Door (Swing In)

Right Hand Frame

Left Hand Frame

Pair of Doors

INSIDE INSIDE R.H. [**╹ L.H**. R.H. 🖪 **킨L.H**. Hinge Hinge Hinge Hinge When door leaves swing toward R.H. Astragal L.H. Astraga Jamb .Jamb Jamb Jamb you and hinges are on right side Inactive Inactive Key Key of active leaf: OUTSIDE OUTSIDE • Door is Right Hand Reverse Active Pair of Doors: R.H.R. Active (Swing Out) Pair of Doors: L.H.R. Active (Swing Out) • Frame is Left Hand Active Double Door Frame: L.H. Active Double Door Frame: R.H. Active When door leaves swing to INSIDE INSIDE inside and hinges are on right Inactive Inactive Key Key 🧏 L.H. R.H. L.H. B.H. side of active leaf: R.H. Astragal L.H. Astragal Hinge Hinge Hinge Hinge • Door is Right Hand Active Jamb L .Jamb Jamb L Jamb. OUTSIDE OUTSIDE • Frame is Right Hand Active Pair of Doors: L.H Active (Swing In) Pair of Doors: R.H Active (Swing In) Double Door Frame: R.H. Active Double Door Frame: L.H. Active

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Republic Doors and Frames has a long history as one of the nation's leading manufacturers of commercial steel doors and frames. Republic's manufacturing and offices occupy 240,000 square feet on 33 acres in McKenzie, Tennessee, and is strategically located halfway between Memphis and Nashville approximately 25 miles north of Interstate 40 (I-40). Republic's doors and frames are marketed in all 50 states and in several foreign countries through a network of stocking distributors and company owned service centers.

Republic is committed to not only providing the best doors and frames in the industry but also to supporting its customers with dependable delivery and exceptional service.

GENERAL WARRANTY

Seller warrants to Buyer that it will, at its option and in its sole discretion, repair or replace any goods of its manufacture determined to Seller's satisfaction to be defective in workmanship or material under normal use and service within one year from the date of shipment to such Buyer, provided that notice of such defect is given to Seller within such one year period. Seller makes no warranty with respect to items supplied to Buyer by Seller but manufactured by others, except to the extent of any warranty given to Seller by such others. In no case shall Seller be liable for consequential damages arising from breach of any of the foregoing warranties. SELLER MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, WARRANTY OF MERCHANTABILITY OR WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, BEYOND WHAT IS CONTAINED HEREIN. This Warranty is for Buyer's exclusive benefit and is not assignable or transferable, nor is Buyer permitted to present to its customer, or any third party, that it may rely on the Warranty.

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