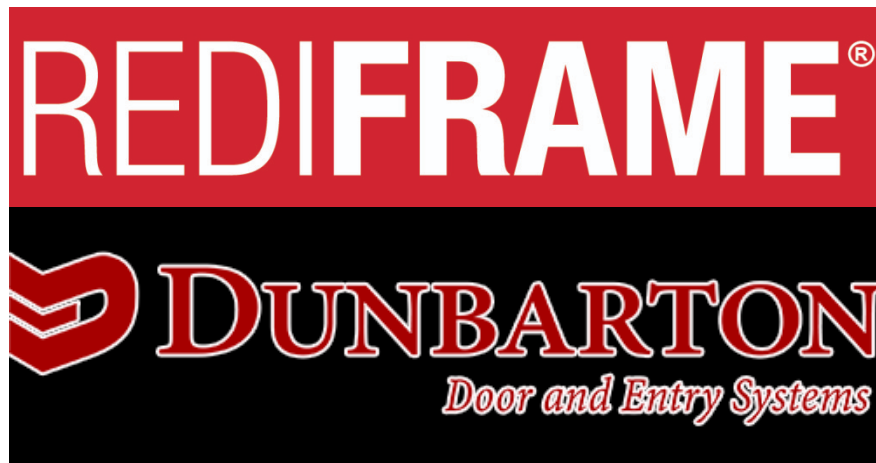


DUNBARTON

Door and Entry Systems

REDIFRAME

Master Index





Rediframe® Fixed
Rediflex® Adjustable
Kerfed Frames
Sidelites
Borrowed Lites
Specialty Frames



PREFINISHED STEEL DOOR FRAMES



REDIFRAME®

The ORIGINAL Prefinished, Fire-Rated Steel Door Frame

Rediframe® has dedicated itself to quality workmanship and long-term customer satisfaction by producing the finest prefinished steel door frames. Rediframe's unique, strong-as-the-wall design is available in fixed (Rediframe®) and adjustable (Rediflex®) designs.

Installation

The success of Rediframe® lies in the ease of installation, saving time and money. **Rediframe® is pre-finished, so installation occurs AFTER the wall is finished. Rediframe's Certified Installers Program develops trained, experienced installers to assure a worry-free project.**

Innovation

Rediframe's continuing innovation has produced an adjustable strike, a patented casing corner bracket to hold miters tight and true, and the Universal Hinge Prep, S56 safety guard emboss, 4-1/2" extra heavy hinge prep (.180), and an ABH 1000 / GJ100 series concealed overhead holder and stop.

Security*

Rediframe® is designed to sleeve the wall, becoming an integral part of the wall system. In comparative impact testing 18 ga. Rediframe® withstood 850 impacts, over 500 more than hollow metal. The difference is the anchoring system. Not only does Rediframe® sleeve the wall, but it anchors to the wall using at least 30 fasteners. Hollow metal anchors to the wall from the frame throat using only 8 anchors that hold the frame away from the inherent strength of the wall.

Durability*

Rediframe® carries a **Certification of Level A 1,000,000 cycles (ANSI 250.5-1994).**

Testing

Rediframe® pledges to stay ahead of the field when it comes to fire ratings. We have taken the initiative to pass the most stringent and difficult tests to acquire the Warnock Hersey standard in **both neutral (UL 10B) and positive (UL 10C) pressure fire ratings.**

Delivery

Rediframe® delivers a 3-week lead time for standard or custom colors (custom colors after approval of paint chip). The best customer service in the industry.

*Test results available upon request.



Rediframe® Fixed Frame 18 or 20 Gauge Steel

Rediframe® is a prefinished fixed throat steel door frame designed for interior and exterior applications where the strength of a steel door frame is desired. Especially suited for new construction and light commercial applications: hotel/motel, assisted living, or residential.

- 1-3/8" and 1-3/4" doors
- 17 Standard wall sizes
- Over 70 custom profiles available, from 2-5/8" to 13"
- 5/8" stop height
- Demountable without damage to the finished wall, door or frame
- Standard frame is cold-rolled steel per ASTM A366
- Standard casing is 22-gauge cold-rolled steel per ASTM A366.
- 3-1/2", 4" and 4-1/2" hinge preps
- 2-3/4" T-strike prep
- Embossed 90 minute neutral and positive pressure fire label; wood or steel stud.

Options

- S56 Steel Colonial casing, aluminum casing, or wood casing prep.
- Galvanized Standard Casing (A-40)
- Galvanized Frame (A-40)
- Cased opening, Dutch, single swing, communicating and pair doors, pocket, borrowed lites, transom and sidelites.
- Special hinge or strike location
- Non-standard wall size
- Universal Hinge Prep (no charge)
- 4-7/8" Adjustable ASA strike prep (no charge)
- 2-3/4" Deadbolt strike (1-3/4" doors)
- 2-1/4" Full lip strike (1-3/4" doors)



Kerf Rediframe® Fixed Frame for Weatherstripping 18 or 20 Gauge Steel

Kerf profile option for Rediframe® is a fixed throat steel door frame designed for interior and exterior applications where the strength of a steel door frame is desired. Especially suited for new construction and light commercial applications: hotel/motel, assisted living, or residential.

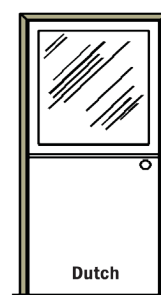
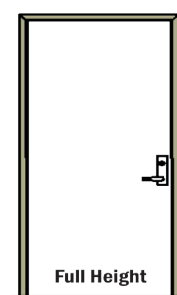
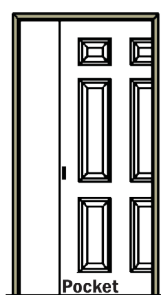
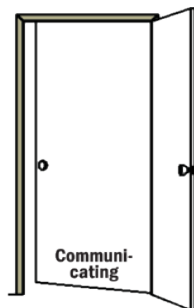
- 1-3/4" doors only
- 12 Standard wall sizes
- Over 60 custom profiles available, ranging from 4" to 13"
- 5/8" stop height
- Demountable without damage to the finished wall, door or frame
- Standard frame is cold-rolled steel per ASTM A366
- Standard casing is 22-gauge cold-rolled steel per ASTM A366.
- 4" and 4-1/2" hinge preps
- 2-3/4" T-strike prep
- Embossed 90 minute neutral and positive pressure fire label; wood or steel stud.

Options

- S56 Steel Colonial casing, aluminum casing, or wood casing prep.
- Galvanized Standard Casing (A-40)
- Galvanized Frame (A-40)
- Special hinge or strike location
- Non-standard wall size
- Universal Hinge Prep (no charge)
- 4-7/8" adjustable ASA strike prep (no charge)
- 2-3/4" Deadbolt strike (1-3/4" doors)
- 2-1/4" Full lip strike (1-3/4" doors)



301 MISSION STREET
SAN FRANCISCO, CALIFORNIA
SINGLE RABBET FRAMES WITH
ROLLER LATCH PREP





Rediflex® Adjustable 18 or 20 Gauge Steel*

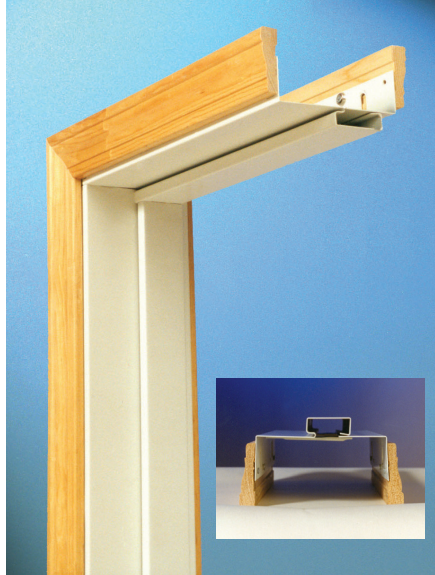
Rediflex® is an adjustable throat steel door frame designed for interior and exterior applications where varying wall sizes must be accommodated and for prehangs. Residential or light commercial, new or remodeling construction.

- 1-3/4", 1-3/8" doors
- 4" to 12-1/4" wall sizes (1-1/4" adjustment)
- 5/8" stop height
- Single and pair doors
- Demountable without damage to the finished wall, door or frame
- Standard frame is cold-rolled steel per ASTM A366
- Standard casing is 22-gauge cold-rolled steel per ASTM A366
- 4" and 4-1/2" hinge preps
- 2-3/4" T-strike prep
- Embossed 90 minute neutral and positive pressure fire label; wood or steel stud.

Options

- S56 Steel Colonial casing, aluminum casing, or wood casing prep.
- Galvanized Standard Casing (A-40)
- Galvanized Frame (A-40)
- Special hinge or strike location
- Dutch Door
- Universal Hinge Prep (no charge)
- 4-7/8" adjustable ASA strike prep (no charge)
- 2-3/4" Deadbolt strike
- 2-1/4" Full lip strike (1-3/4" doors)

*Base side: 18 or 20 gauge
Closure side: 18 or 22 gauge



Kerf Rediflex® Adjustable for Weatherstripping 18 or 20 Gauge Steel*

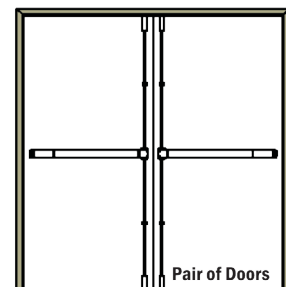
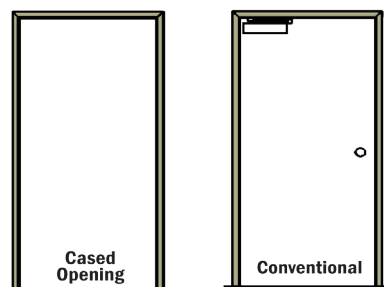
Kerf profile option for Rediflex® is an adjustable throat steel door frame designed for prehang applications. Residential or light commercial, new or remodeling construction.

- 1-3/4", 1-3/8" doors
- 4" to 12-1/2" wall sizes (1" adjustment)
- 5/8" stop height
- Demountable without damage to the finished wall, door or frame
- Standard frame is cold-rolled steel per ASTM A366
- Prepped with anchoring holes with vision slot for wood casing.
- 4" and 4-1/2" hinge preps
- 2-3/4" T-strike prep
- Embossed 90 minute neutral and positive pressure fire label; wood or steel stud.

Options

- S56 Steel Colonial casing, aluminum casing, or steel casing prep optional.
- Galvanized Standard Casing (A-40)
- Galvanized Frame (A-40)
- Special hinge or strike location
- Accommodates non-standard wall size
- Universal Hinge Prep (no charge)
- 4-7/8" adjustable ASA strike prep (no charge)
- 2-3/4" Deadbolt strike
- 2-1/4" Full lip strike (1-3/4" doors)
- Threshold prep

*Base side: 18 or 20 gauge
Closure side: 18 or 22 gauge



Rediframe steel frames have been chosen to outfit hospitality, multi-family, condominiums, office buildings, and assisted living facilities. Our diversity is in our design. Rediframe is engineered to adapt to a variety of commercial and residential applications. Sidelites, Borrowed Lites, Pocket Doors, Communicating Doors ... try Rediframe first for special openings.

Rediframe is prefinished and can be specified to fit the hardware for any job. And, because it is prefinished, it installs over finished walls, creating a perfect jobsite finish.



ANNAPOLIS AREA CHRISTIAN SCHOOL
SEVERN, MD



HOTEL PARK CENTRAL
ALBUQUERQUE, NEW MEXICO



PASEO CONDOMINIUMS
FORT MYERS, FLORIDA



MARRIOTT GRAND CHATEAU
LAS VEGAS, NEVADA

Casing



Steel
Prefinished steel designed for ease of installation. Standard on all Rediframe products except Kerf Rediflex. (1-1/2" width)

Aluminum
Modern, sculptured lines in durable prefinished aluminum. Available in same color finishes as steel. (1-1/2" width)

S56 Steel Colonial
Specially designed corner clips align S56 to standard Rediframe casing clips. Available in same color finishes as steel. (2-1/4" width)

S56 Rosette
Elegant Rosette gives S56 Steel Colonial casing a polished, formal look. Available in same color finishes as steel. (2-1/4" width)

Wood
Finish Rediframe with decorative wood casing (supplied by others). Paint, stain ... whatever fits the decor (profile and width varies).

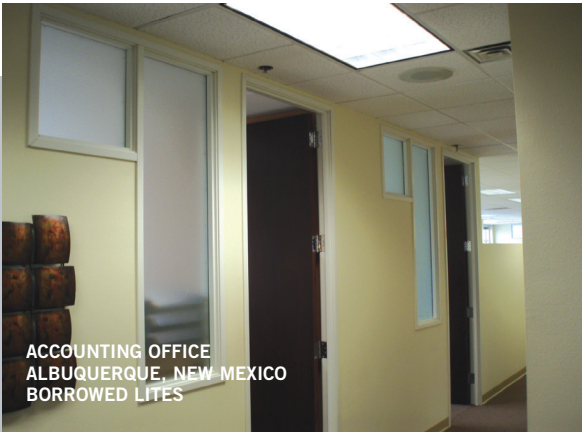
Sidelites and Borrowed Lites

Rediframe is engineered to adapt to an array of design considerations, limited only by the imagination. Rediframe is easily reconfigured to produce custom borrowed lites and sidelites to specifications. Like all Rediframe products, these borrowed lites and sidelites are prefinished and designed to be installed after the walls are finished. Sidelites are fire-rated up to 45 minutes; borrowed lites are rated up to 60 minutes (See fire ratings page 6).

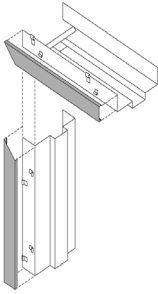
Sidelite and Borrowed Lite Options

- Sidelite (single/double)
- Sidelite with mullion(s)
- Partial Sidelite
- Borrowed Lite
- Borrowed Lite with mullion(s)
- Transom
- Panel Over

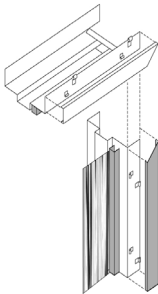
Rediframe's Engineers can create a custom sidelite or borrowed lite application for your project.



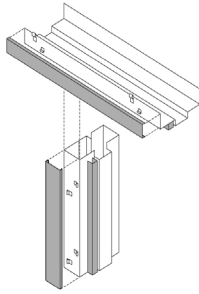
ACCOUNTING OFFICE
ALBUQUERQUE, NEW MEXICO
BORROWED LITES



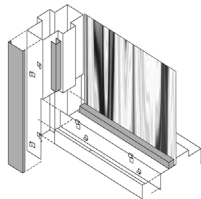
CORNER DETAIL



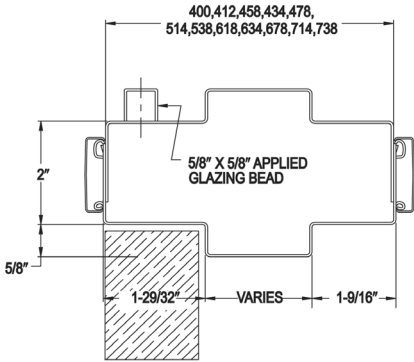
CORNER DETAIL WITH
GLASS STOP



HEAD / MULLION
DETAIL



SILL / MULLION
DETAIL WITH GLASS STOP



CORPORATE CONFERENCE ROOM
MICHIGAN
BORROWED LITES



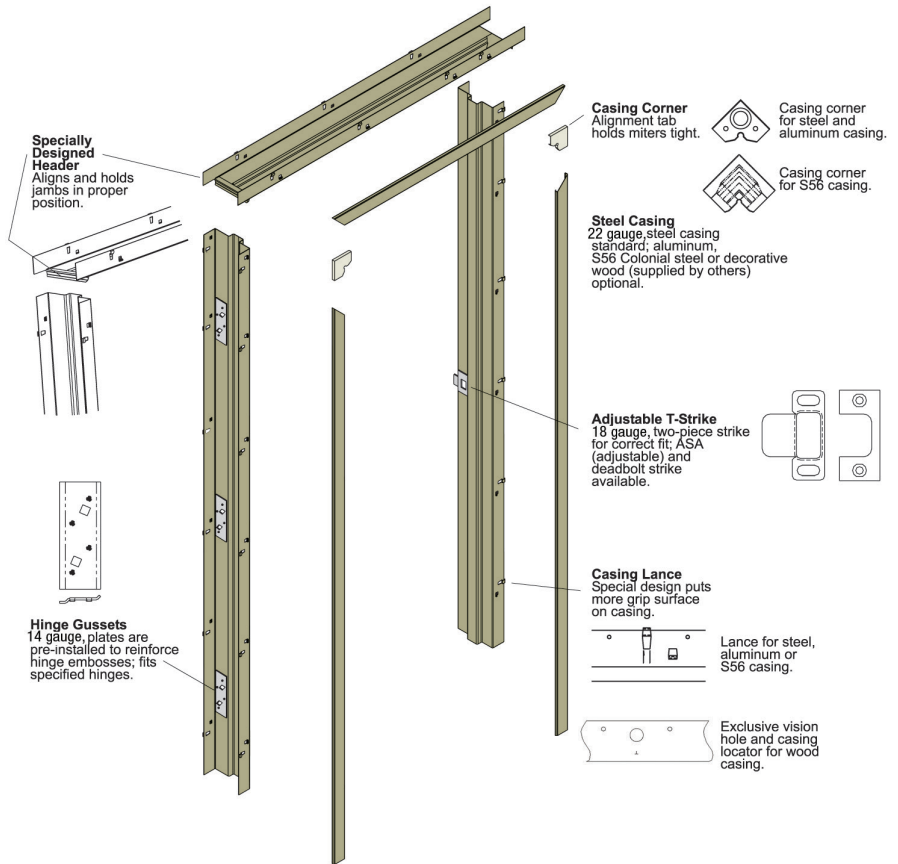
JV DRIVER
LEDUC, ALBERTA, CANADA
18 GA. REDIFRAME IN BLACK; SIDELITES

Rediframe®

**REDIFRAME®
INSTALLATION**
Sleeve header and upright over wall sections in opening. Pull header firmly down so that side jams rest on floor. Install door, close; use as template to square frame.

Apply fasteners starting in middle of header and upper end of hinge jamb. Apply one fastener per lance.

Apply steel, aluminum or S56 Colonial steel casing by rolling over casing lance and snapping over bottom of clip.

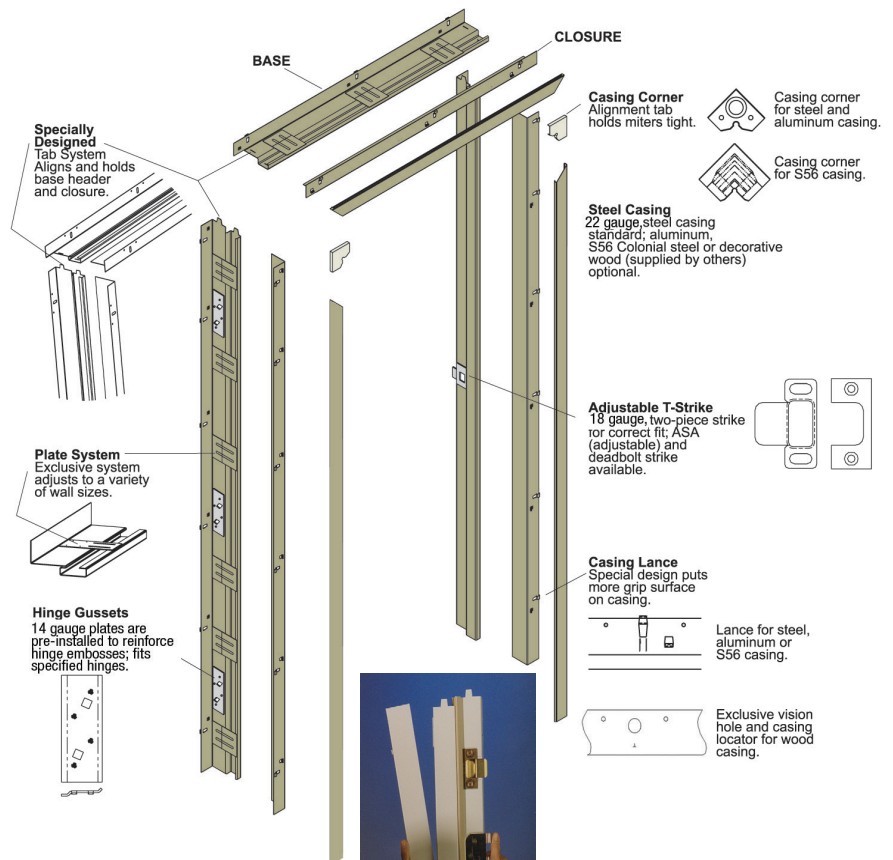


Rediflex® Adjustable

**REDIFLEX®
INSTALLATION**
Assemble base unit consisting of base header and uprights, threshold, and door. Rotate base unit into the opening.

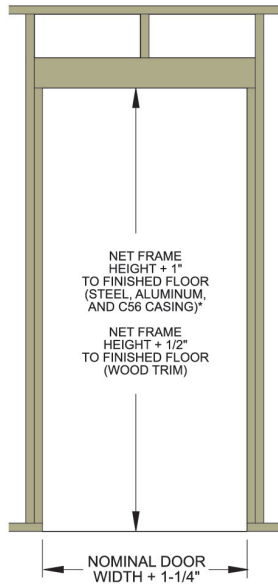
Install frame closure pieces after setting clearances. Attach to wall using recommended fasteners.

Apply wood casing using the vision slots on the frame. Standard Steel, aluminum or S56 steel is applied same as Rediframe® with appropriate clip system.

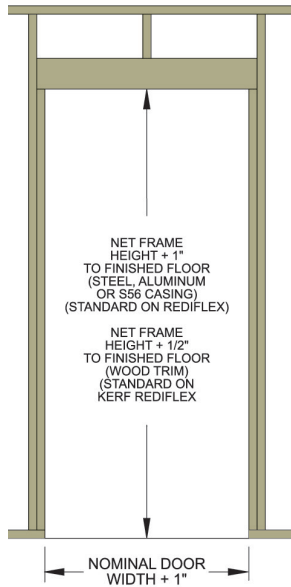


Rough Openings

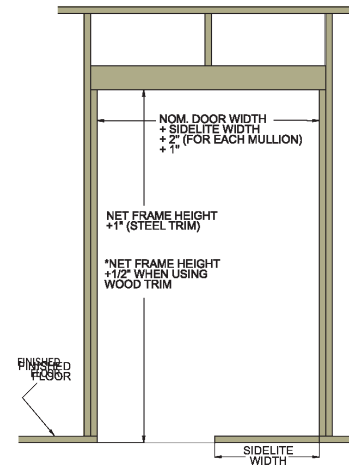
Measure rough opening for door frames and sidelites from finished floor. Frames may be conveniently installed after walls are finished and flooring application is layed.



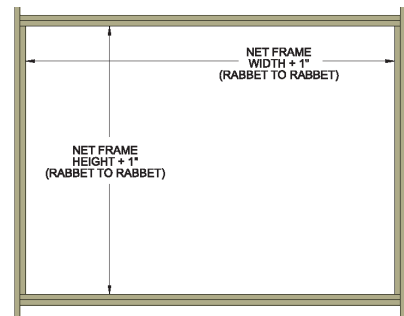
REDIFRAME



REDIFLEX OR
KERF REDIFLEX



STANDARD SIDELITE



BORROWED LITE

Fire Ratings

UL 10B (NEUTRAL) and UL10C (POSITIVE) FIRE RATINGS

REDIFRAME® / KERF REDIFRAME® PREFINISHED DOOR FRAMES

*SINGLE AND PAIR DOOR FRAMES (1-3/4" DOOR)

Rating	Maximum Opening Size	*Minimum Wall Size	Frame Gauge	Test Standard	Edge Seals
90 min.	4'0" x 9'0"	3-1/2"	18 or 20	Neutral	Not Required
90 min.	8'0" x 9'0"	3-1/2"	18 or 20	Neutral	Not Required
90 min.	4'0" x 9'0"	3-1/2"	18 or 20	Positive	*Listed
90 min.	8'0" x 9'0"	3-1/2"	18 or 20	Positive	*Listed

*4" Minimum Wall for Kerf Rediframe

"S" Smoke and Draft label; applicable only if listed Category H Smoke and Draft Control Gasket is applied.

SIDELITE / TRANSOM ASSEMBLY FRAMES (1-3/4" DOORS) MAXIMUM ASSEMBLY SIZE — 10' Width x 10' Height

Assembly Rating	Minimum Wall Size	Maximum Glass Width	Maximum Glass Height	Frame Gauge	Glass Type	Test Standard	Maximum Door Size	Glazing Material	Max. Size
45 min.	3-1/2"	24"	106"	18 or 20	Wire	Neutral	3'0" x 9'0"	Not Required	10'0" x 10'0"
45 min.	3-1/2"	36"	36"	18 or 20	Wire	Neutral	3'0" x 9'0"	Not Required	10'0" x 10'0"
45 min.	3-1/2"	36"	94"	18 or 20	Ceramic	Neutral	3'0" x 9'0"	Listed	10'0" x 10'0"
45 min.	3-1/2"	24"	106"	18 or 20	Wire	Positive	3'0" x 9'0"	Listed	10'0" x 10'0"
45 min.	3-1/2"	36"	94"	18 or 20	Ceramic	Positive	3'0" x 9'0"	Listed	10'0" x 10'0"

FIRE WINDOW FRAMES

Rating	Minimum Wall Size	Maximum Glass Width	Maximum Glass Height	Frame Gauge	Glass Type	Test Standard	Glazing Material	Max. Assembly Size
45 min.	3-1/2"	24"	106"	18 or 20	Wire	Neutral	Not Required	10'0" x 10'0"
45 min.	3-1/2"	36"	36"	18 or 20	Wire	Neutral	Not Required	10'0" x 10'0"
60 min.	3-1/2"	36"	36"	18 or 20	Wire	Neutral	Listed	9'4" x 3'0"
45 min.	3-1/2"	24"	106"	18 or 20	Wire	Positive	Listed	10'0" x 10'0"
45 min.	3-1/2"	36"	94"	18 or 20	Ceramic	Positive	Listed	10'0" x 10'0"

REDIFLEX® ADJUSTABLE FRAMES

Rating	Minimum Wall Size	Base Gauge	Closure Gauge	Maximum Frame Size	Test Standard	Edge Seals
90 min.	4"	18 or 20	22 or 18	3'6" x 7'1"	Neutral	Not Required
90 min.	4"	18	22 or 18	3'0" x 8'0"	Neutral	Not Required
90 min.	4"	18	22 or 18	6'0" x 7'0"	Neutral	Not Required
60 min.**	4"	18	22 or 18	8'0" x 8'0"	Neutral	Not Required
90 min.	4"	18 or 20	22 or 18	3'0" x 7'0"	Positive	*Listed
90 min.	4"	18	22 or 18	3'0" x 8'0"	Positive	*Listed
90 min.	4"	18	22 or 18	6'0" x 7'0"	Positive	*Listed
60 min.**	4"	18	22 or 18	8'0" x 8'0"	Positive	*Listed

**Reinforcing screws required

ALL RATINGS ARE SUITABLE FOR STEEL, ALUMINUM, S56 STEEL COLONIAL OR WOOD TRIM.



*Positive Pressure Doors

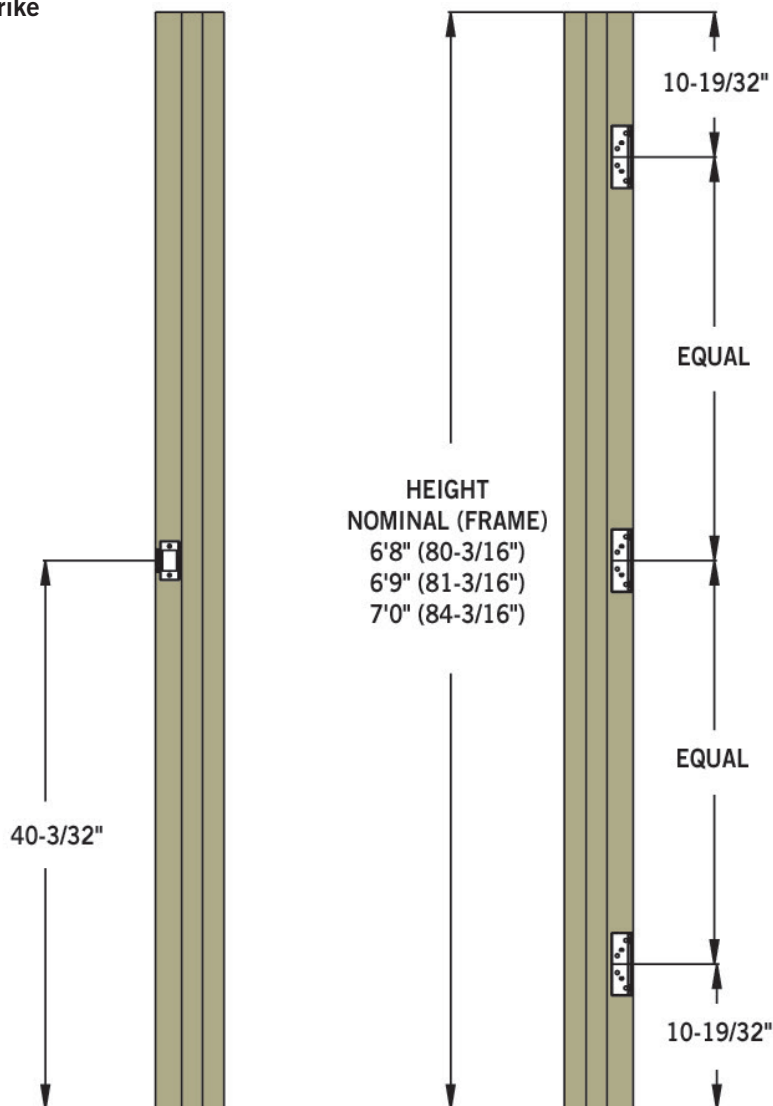
Cat. A Doors: No additional edge seals required.

Cat. B Doors: Additional Category G edge seals required.

Standard Hardware Locations

Contact factory for complete Standard Hardware Locations

Hinge & Strike Locations for 4-1/2" hinges, 2-3/4" "T" Strike or 4-7/8" ASA Strike



Hinge Prep Specifications

Size	Type	RF	Product		
			Kerf RF	RFX	Kerf RFX
3-1/2"	1/4" Radius Corner (1-3/8" door)	■	—	—	—
3-1/2"	5/8" Radius Corner (1-3/8" door)	■*	—	—	—
4"	1/4" Radius Corner	■	■	■	■
4"	5/8" Radius UHP*	■*	■*	■*	■*
4-1/2"	Square Corner (.134) Std. Weight	■	■	■	■
4-1/2"	Square Corner (.180) Heavy Weight	■**	■**	—	—
5"	Square Corner (.145) Heavy Weight	■**	■**	—	—

*UHP = Universal Hinge Prep; Adapts to Pease, Taylor, Therma Tru, Masonite, and standard template hinge patterns.

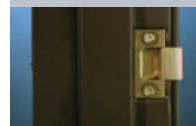
Strike Prep Specifications

Size	Type	RF	Product		
			Kerf RF	RFX	Kerf RFX
1-1/4" x 2-3/4"	"T" Strike Emboss (1-3/8" door)	■	—	—	—
1-1/4" x 2-3/4"	"T" Strike Emboss (1-3/4" door)	■	■	■	■
1-1/4" x 4-7/8"	"ASA" Adjustable Strike Emboss (1-3/4" door)	■*	■*	■*	■*
1-1/8" x 2-3/4"	Deadbolt Strike Emboss (1-3/4" door)	■**	■**	■**	■**
1-1/2" x 2-1/4"	Full Lip Strike (1-3/4" doors only)	■*	■*	■*	■*

* = Option / NC

** = Option / Upcharge

Strike Preps



1-3/8" Door Adj. T-Strike



Deadbolt Strike



1-3/4" Door Adj. T-Strike



ASA Adjustable (Patented)
Embossed Tabs to maintain correct adjustment; widened screw hole allows for strike plate movement.

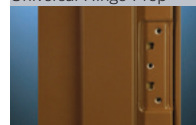
Hinge Preps



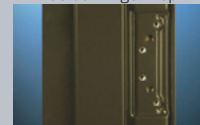
Universal Hinge Prep



4" Radius Hinge Prep



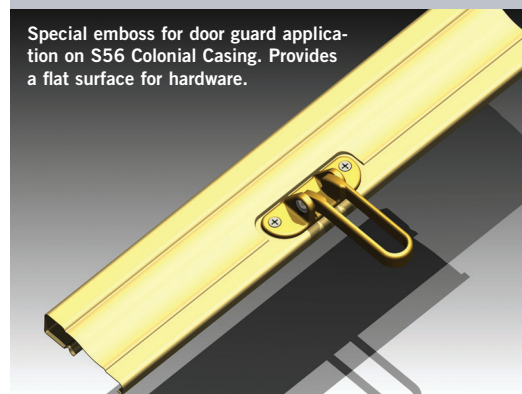
3-1/2" Radius Hinge Prep



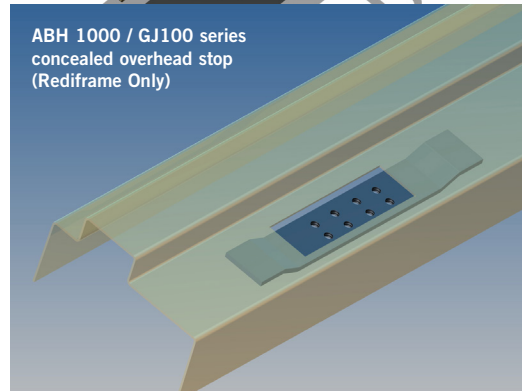
4-1/2" Hinge Prep

Special Preps

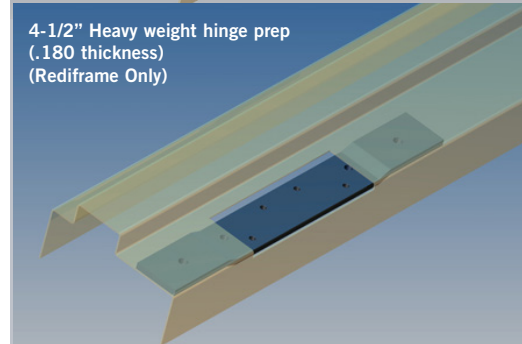
Special emboss for door guard application on S56 Colonial Casing. Provides a flat surface for hardware.



ABH 1000 / GJ100 series
concealed overhead stop
(Rediframe Only)



4-1/2" Heavy weight hinge prep
(.180 thickness)
(Rediframe Only)



Finishes

Prefinished Rediframe® is available in eight standard colors. "Custom color" selections can be matched to ensure the finished product will meet specifications. Custom colors will ship three weeks after final approval.

Rediframe® is finished in a state-of-the-art paint assembly line with electrostatically-applied, baked-on enamel. Paint finish meets or exceeds 200 hour salt spray test per ASTM-B117-97. Painted finishes also finished 700 hour humidity test per ASTM-D1735-87.

Rediframe® is available in cold rolled steel or galvanized zinc coating.

Standard Color Selections

	
Rediframe Brown	Bright White
	
Ivory	Light Gray (option)*
	
Mojave Brown (option)*	Alusteel (option)*
	
Tan (option)*	Black (option)*

*Indicates upcharge

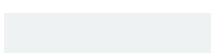
Prime Colors



Prime Gray

Custom Colors

Rediframe® can match your custom color. Custom colors can be matched to you specifications. Colors shown are samples. Contact factory for lead times and pricing.

	
Cabernet (special)	Carorat Purple (special)
	
Lafayette Green (special)	Dark Blue (special)
	
Jans Tan (special)	Marriott-1 Beige (special)
	
Ruby Red (special)	Ochre Tan (special)
	
White Smoke (special)	Blue Reef (special)

Warranty

The Warranty for REDIFRAME® STEEL FRAMES manufactured by DUNBARTON DOOR AND ENTRY SYSTEMS is to the original consumer purchaser to be free from defects in material and workmanship for a period of one (1) year from the date of purchase.

REDIFRAME® products manufactured with galvanized steel are warranted against rusting for a period of one (1) year from the date of purchase, provided the finish has not been cut or abraded through the metal. Galvanized steel should be used for exterior applications and where air has a high salt content or in locations with high humidity; see specifications.

This warranty is applicable only when the product(s) covered by it have been installed in accordance with the recommended written installation instructions of REDIFRAME® and with established building practices, have been accorded treatment which is considered good practice in the building industry regarding storage and maintenance, and have been subject only to normal use. Because REDIFRAME® cannot control the manner in which its products are handled after leaving its premises, this warranty does not apply to the finish or accessories of any product.

ANY AND ALL IMPLIED WARRANTIES HERETO ARE LIMITED TO ONE (1) YEAR FROM THE DATE OF PURCHASE.

Specifications

PART 1 GENERAL

1.1 DESCRIPTION

- Furnish factory prefinished or primed steel door frames for interior and exterior doors. Refer to architectural drawings, schedules, and details for required types and sizes of frames.
- See Division 8 for information on doors, hardware, glazing, etc.

1.2 QUALITY ASSURANCE

- Prefinished or primed steel door frames shall be as manufactured by Rediframe® Products Division.
- Approved equal complying with product standards, features, and construction specified herein.
- Assembly and installation, including field modifications, shall be performed by qualified workmen who have been approved by the architect or owners' representative.

1.3 SUBMITTALS

- Submit manufacturer's specifications for fabrication showing details of design, construction, and installation substantiating that products comply with requirements specified.
- Submit shop drawings for architects approval including all necessary information for fabrication and installation of the work to be done in this section.
- Provide as prototypes, detail drawings, and color chips as needed for selection or approval by the architect.

1.4 DELIVERY, STORAGE, AND HANDLING

- Deliver prefinished or primed steel frames cartoned, stretch wrapped, and palletized to provide protection during transit and job storage.
- Inspect frames upon delivery for damage. Remove and replace damaged or defective frames prior to final inspection.
- Store frames at building site under cover. Place cartons on wood sills at least 4" high or otherwise store on floors in a manner that will prevent rust and damage.

PART 2 PRODUCTS

2.1 FRAMES

- Roll form or break frames to sizes and shapes shown on approved drawings.
- Hinge jambs shall be embossed for template hinges and reinforced with a zinc plated 14-gauge gusset.

Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you. In the event the original consumer purchaser of any REDIFRAME® product believes that the frame or any parts thereof covered by this warranty are defective, a letter outlining the alleged defect should be sent postage prepaid to the following address: DUNBARTON DOOR AND ENTRY SYSTEMS P.O. Box 8577

Dothan, Alabama 36304-0577

Any REDIFRAME® product, or any parts thereof covered by this warranty which, upon inspection by an authorized representative of DUNBARTON, are found by said representative to be defective will be repaired, replace, or at the option of DUNBARTON, the purchase price of the frame or part will be refunded and does not include labor, installation costs, finishing costs, or indirect or consequential damages of any nature. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

C. Strike jambs shall be embossed for 2 3/4"

T-strike, 4 7/8" adjustable ASA strike or 2 3/4" deadbolt strike as specified.

D. Each frame shall be punched around the perimeter of the face to anchor the frame to the wall.

E. Frames shall be lanced on the face of the frame when snap-on casing is to be applied.

F. Frames shall be punched for vision slot with nail holes only when wood molding is to be applied.

G. Standard steel snap-on casing shall be manufactured in 22-gauge cold-rolled or galvanized (A40) (option) steel or .050" aluminum extrusion 6063T5 alloy. S56 steel colonial casing shall be manufactured in cold-rolled or galvanized (A40) (option) steel and be a minimum of 2-1/4" width.

H. Wood molding to be supplied by others.

2.2 TYPES

A. 18-gauge or 20-gauge cold-rolled or galvanized steel to be used in commercial applications.

B. 18-gauge non-kerf adjustable throat frame, cold-rolled or galvanized steel.

C. 20-gauge non-kerf adjustable throat frame, cold-rolled or galvanized steel.

D. 18-gauge kerfed adjustable throat frame, cold-rolled or galvanized steel.

E. 20-gauge kerfed adjustable throat frame, cold-rolled or galvanized steel.

2.3 FINISHES

A. Rediframe® finish shall be electrostatically baked on enamel on a cleaned and phosphate-treated surface with paint film thickness approximately 1.0 mil.

B. Provide touch-up paint for all factory prefinished frames.

PART 3 EXECUTION

A. Verify opening dimensions with the architectural plans and shop drawings.

B. Install frames plumb and square using the door as a template to assure alignment of the door and frame.

C. Secure the frame to the wall per manufacturer's specifications.

D. Repair all damaged or defective frames prior to job closeout or final inspection.



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Prefinished Metal Frames

This MANU-SPEC® utilizes the Construction Specifications Institute (CSI) *Project Resource Manual* (PRM), including *MasterFormat*™, *SectionFormat*™ and *PageFormat*™. A MANU-SPEC is a manufacturer-specific proprietary product specification using the proprietary method of specifying applicable to project specifications and master guide specifications. Optional text is indicated by brackets []; delete optional text in final copy of specification. Specifier Notes precede specification text; delete notes in final copy of specification. Trade/brand names with appropriate product model numbers, styles and types are used in Specifier Notes and in the specification text Article titled "Acceptable Material." Metric conversion, where used, is soft metric conversion.

This MANU-SPEC specifies prefinished steel door frames for interior and exterior doors, including sidelites, borrowed lites and transom assemblies, as manufactured by Rediframe® Door Frames. Revise MANU-SPEC section number and title below to suit project requirements, specification practices and section content. Refer to CSI MasterFormat for other section numbers and titles.

SECTION 08 12 00 METAL FRAMES

PART 1 GENERAL

1.01 SUMMARY

- A. Section Includes: Prefinished steel frames for interior and exterior doors, including sidelites, borrowed lites and transom assemblies.

Specifier Note: Revise Paragraph below to suit project requirements. Add section numbers and titles per CSI MasterFormat and specifier's practice.

- B. Related Sections: Sections(s) related to this section include:
 1. Wood Moldings: Division 06 Finish Carpentry Sections.
 2. Metal Doors: Division 08 Steel Door Sections.
 3. Wood Doors: Division 08 Wood Door Sections.
 4. Finish Hardware: Division 08 Hardware Sections.
 5. Glass and Glazing: Division 08 Glass and Glazing Sections.

Specifier Note: Article below may be omitted when specifying manufacturer's proprietary products and recommend installation. Retain Reference Article when specifying products and installation by an industry reference standard. If retained, list standard(s) referenced in this section. Indicate issuing authority name, acronym, standard designation and title. Establish policy for indicating edition date of standard referenced. Conditions of the Contract or Division 01 References Section may establish the edition date of standards. This Article does not require compliance with standard, but is merely a listing of references used. Article below should list only those industry standards referenced in this section.

1.02 REFERENCES

- A. ASTM International:
 1. ASTM A366 Standard Specification for Commercial Steel (CS) Sheet, Carbon (0.15 Maximum Percent) Cold-Rolled.
 2. ASTM A653 Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.
 3. ASTM B117 Standard Practice for Operating Salt Spray (Fog) Apparatus.
 4. ASTM D1735 Standard Practice for Testing Water Resistance of Coatings Using Water Fog Apparatus.

5. ASTM D3363 Standard Test Method for Film Hardness by Pencil Test.
- B. American National Standards Institute (ANSI):
 1. ANSI 115.1 Specifications for Steel Door and Frame Preparation for Hardware.
- C. National Fire Protection Association (NFPA):
 1. NFPA 80 Fire Doors and Windows
- D. Underwriters Laboratories, Inc. (UL):
 1. UL 10B Fire Tests of Door Assemblies.
 2. UL 10C Positive Pressure Fire Tests of Door Assemblies.

1.03 PERFORMANCE REQUIREMENTS

- A. 1 1/2 Hour fire rating in accordance with UL 10B
- B. Passes positive pressure test in accordance with UL 10C

Specifier Note: Article below include submittal of relevant data to be furnished by Contractor before, during or after construction. Coordinate this Article with Architect's and Contractor's duties and responsibilities in Conditions of the Contract and Division 01 Submittal Procedures Section.

1.04 SUBMITTALS

- A. General: Submit listed submittals in accordance with Conditions of the Contract and Division 01 Submittal Procedures Section.
- B. Product Data: Submit product data, including manufacturer's SPEC-DATA product sheet, for specified products. Include details of design and construction and printed instructions covering installation.
- C. Shop Drawings: Submit shop drawings showing layout, profiles and product components, including anchorage, accessories, finish colors and textures. Indicate installation requirements of finish hardware and reinforcements.
- D. Samples: Submit the following for selection and verification of finishes, colors and textures.

Specifier Note: Retain subparagraph below if casings are required to meet project requirements.

1. Sample of door frame corner construction, complete with snap-on casings.
2. Samples of factory stocked colors of prefinished components.
3. Samples of custom colors for color matching.
- E. Quality Assurance Submittals: Submit the following:
 1. Test Reports: Certified test reports showing compliance with specified performance characteristics and physical properties
 2. Certificates: Manufacturer's certification that installer is acceptable.
 3. Warranty: Submit the warranty documents specified

Specifier Note: Article below should include prerequisites, standards, limitations and criteria that establish an overall level of quality for products and workmanship for this section. Coordinate Article below with Division 01 Quality Assurance Section.

1.05 QUALITY ASSURANCE

- A. Installer Qualifications: Installer experienced in performing work of this section who has specialized in the installation of work similar to that required for this project.
 1. Personnel: Assembly and installation shall be performed by qualified personnel who have successfully completed manufacturer's prefinished steel door frame installation course online and have been approved by the manufacturer.

Specifier Note: Paragraph below should list obligations for compliance with specific code requirements. General statements to comply with a particular code are typically addressed in Conditions of the Contract. Repetitive statements should be avoided.

- B. Regulatory Requirements: Fire-rated steel frames shall be of types tested and approved by Intertek Testing Services, Warnock Hersey and shall bear labels of same.
 - 1. Three-sided frames shall receive a permanent embossed 90 minute label. Sidelite and borrowed lite frames shall receive a Mylar Warnock Hersey label when specified.

Specifier Note: Article below should include special and unique requirements. Coordinate below Article with Division 01 Product Requirement Section.

1.06 DELIVERY, STORAGE & HANDLING

- A. Delivery: Deliver materials in manufacturer's original, unopened, undamaged containers with identification labels intact.
 - 1. Factory package components in protective cartons to prevent damage during shipping.
- B. Storage and Protection: Store materials protected from exposure to harmful weather and at temperature conditions recommended by manufacturer.
 - 1. Store material on wooden skids under cover in a protected area and keep vented to avoid condensation until ready for installation.

1.07 PROJECT CONDITIONS

- A. Field Measurements: Verify actual measurements/openings by field measurements before fabrication. Show recorded measurements on shop drawings. Coordinate field measurements and fabrication schedule with construction progress schedule to avoid construction delays.

Specifier Note: Coordinate Article below with Conditions of the Contract and with Division 01 Closeout Submittals (Warranty) Section.

1.08 WARRANTY

- A. Project Warranty: Refer to Conditions of the Contract for project warranty provisions.
- B. Manufacturer's Warranty: Submit, for Owner's acceptance, manufacturer's standard warranty document execute by authorized company official. Manufacturer's warranty is in addition to, and not a limitation of, other rights Owner may have under the Contract Documents.
 - 1. Warranty Period: 1 year.

PART 2 PRODUCTS

Specifier Note: Retain Article below for proprietary method specification. Add product attributes, performance characteristics, material standards and descriptions as applicable. Use of such phrases as "or equal," "or approved equal" or similar phrases may cause ambiguity in the specifications. Such phrases require procedural, legal and regulatory verification and assignment of responsibility for determining "or equal" products.

2.01 PREFINISHED STEEL DOOR FRAMES

Specifier Note: Paragraph below is an addition to CSI SectionFormat and a supplement to MANU-SPEC. Retain or delete Paragraph below per project requirements and specifier's practice.

- A. Manufacturer: Rediframe Door Frames.
 - 1. Contact: 1101 Technology Drive, Dothan, AL 36303; Telephone: (800) 633-7553, (334) 794-0661; Fax: (334) 793-3462; Email: sales@dunbarton.com; website: www.dunbarton.com

- B. Proprietary Product(s)/System(s): Rediframe prefinished steel door frames.
 - 1. Refer to drawings, door schedule and details for required types and sizes of frames.

Specifier Note: Edit article below to suit project requirements. If substitutions are permitted, edit text below. Add text to refer to Division 01 Project Requirements (Product Substitutions Procedures) Section.

2.02 PRODUCT SUBSTITUTIONS

- A. Substitutions: substitutions in accordance with section [01 25 13 - product substitution procedures] [No substitutions permitted].

2.03 MATERIALS

- A. Header and Jamb Members: Form interior door frames of ASTM A366 commercial quality cold rolled steel. Form exterior door frames of galvanized steel (A40) per ASTM A653. Provide frames in the following gauges:

Specifier Note: Retain paragraphs below to suit project requirements. Select gauges below.

- 1. Fire Rated Standard Frames for 1 3/4 Inch (44mm) Doors: [18] [20] gauge.
- 2. 1 3/8 Inch (35mm) or 1 3/4 Inch (44 mm) Door Frames: [18] [20] gauge.
- 3. 1 3/4 Inch (44 mm) Door Sidelite Frames: [18] [20] gauge.
- 4. Borrowed Lite Frames: [18] [20] gauge.

Specifier Note: Retain appropriate paragraph below if casings are required to meet project requirements.

- B. Casings:
 - 1. Steel: 22 gauge cold rolled steel to ASTM A366.
 - 2. Aluminum: 0.050 inch (1 mm) aluminum extrusion 6063-T5 alloy.
 - 3. S56 Steel Colonial: 24 gauge galvanized (A40) steel to ASTM A653.
- C. Hinge Reinforcements: 14 gauge hot dipped galvanized (G60) steel to ASTM A653 (10 gauge equivalent number of threads, SDI-107).
- D. Strikes and Deadbolt Covers and Dust Box: 18 gauge commercial quality cold rolled steel to ASTM A366.
- E. Door Closer Reinforcement: Steel or aluminum in accordance with manufacturer's standard..
 - 1. Standard Arm Mounting: Aluminum extrusion 6063-T5 alloy in accordance with manufacturer's standard.
 - a. Door Guard: Aluminum extrusion 6063-T5 alloy in accordance with manufacturer's standard.
 - 2. Parallel Arm Mounting: 16 gauge galvanized (A40) steel per ASTM A653.

Specifier Note: Retain paragraph below if casings are required to meet project requirements.

- F. Casing Corner Alignment Clips: Prepainted 22 gauge ASTM A366 commercial quality cold rolled steel.
- G. Felt Silencers, Weatherstripping and Smoke Gasketing (Standard Profile): In accordance with manufacturer's standard.
 - 1. Interior Frames: Install felt silencers on the header and strike jamb. Single door opening, 3 per strike jamb. Pair door opening, 2 per header.
 - 2. Exterior and Fire-Rated Frames: Weatherstripping and smoke gasket material to seal opening. Material must compress to 1/6 inch (2 mm). Ultra WS176, Pemko S88 and Pemko S44 are acceptable.
- H. Weatherstripping and Smoke Gasketing (Kerf Profile)
 - 1. Interior and Exterior Frames: Kerf weatherstrip to seal opening. Schlegel QDS500 is acceptable.
- I. Removable Glazing Bead for Sidelite and Borrowed Lite Frames:
 - 1. 18 gauge galvanized (A60) steel to ASTM A653, 3/4 inch x 5/8 inch (19.1 x 16 mm)

2. Prepunched for #6 x 1 1/4 inch (32 mm) bugle-head self-tapping screws.
- J. Fasteners: In accordance with manufacturer's standards, to comply with labeling agency for fire-rated frames.
 1. Fasteners shall be a minimum of 1/2 inch (13mm) longer than combined thickness of drywall.
 - a. Fastener: 1 1/4 inch (32 mm) minimum Type "S" bugle-head self-tapping screws.
 - b. Fastener: 1 1/4 inch (34 mm) minimum drywall screws (coarse thread).
- K. Paint: Frame manufacturer's standard baked-on synthetic enamel, applied over a cleaned and phosphate coated surface.
 1. Application shall be by electrostatic method.
 2. Finish paint dry film thickness on doors panels shall be approximately 1 mil (0.03 mm) for finished paint.
 3. Factory finish paint shall pass 200 hour salt spray test in accordance with ASTM B117 and 700 hour humidity test in accordance with ASTM D1735 with no blistering.
 4. Paint hardness shall meet calibrated pencil lead test to ASTM D3363.
 5. Prime painted frames shall be field painted within 30 days of installation with a good quality oil based enamel as recommend, or a high quality water base latex. A flash rust inhibitor shall be used with water base latex method.

2.04 MANUFACTURED UNITS

- A. General: Frames shall be prefinished type designed for installation at rough wall openings over prefinished walls.

Specifier Note: Retain or delete paragraphs 1 and/or 2 below to suit project requirements.

1. Provide steel frames to receive metal casings to conceal fasteners.
2. Prepare steel frames to receive decorative wood moldings to conceal fasteners.
3. Provide accessories and fasteners necessary for field assembly and installation in accordance with frame manufacturer's standards.
4. Prepare for and provide reinforcements in accordance with manufacturer's standards as required to receive finished hardware.
- B. Door Frames:
 1. Construct jamb member to interlock and align with header members to form a strong joint.

Specifier Note: Retain appropriate paragraph below if casings are required to meet project requirements.

2. Provide die cut mitered metal casings held tight together and in alignment with concealed corner baking pieces. Casings shall conceal all frame fasteners. Provide concealed clips to receive snap-on casings.
- C. Sidelite and Borrowed Lite Frames:
 1. Construct same as specified for door frames. Where required, provide concealed field applied mullion clips for securing mullions to head/jamb members.
 2. Form fixed glazing stops integral with frame members. Provide removable metal stops with prepunched screw holes complete with installation screws.
- D. Hardware Preparations:
 1. In accordance with an approved Hardware Schedule, ANSI A115 and manufacturer's recommendations:
 - a. Mortise frames for hinges and strikes.
 - b. Drill and tap or reinforce frames for mortised or surface mounted hardware.

2.05 FINISHES

Specifier Note: Frames, Sidelite and Borrowed Lites are available prime painted and ready for field applied finish paint, or with standard, premium or custom color finishes. Retain one of the paragraphs below to suit project requirements.

A. Frames, Sidelite and Borrowed Lites Finish:

1. Prime painted.
2. Standard Color: [Rediframe Brown] [Bright White] [Ivory] [Prime Grey] [White Prime].
3. Premium Color: [Mojave Brown] [Light Grey] [Tan] [Black] [Alusteel].

Specifier Note: Insert custom color below to suit project requirements.

4. Custom Color: [_____]

2.06 SOURCE QUALITY CONTROL

- A. Obtain steel door frame products from a single manufacturer.

PART 3 EXECUTION

Specifier Note: Article below is an addition to the CSI SectionFormat and a supplement to MANU-SPEC. Revise Article below to suit project requirements and specifier's practice.

3.01 MANUFACTURER'S INSTRUCTIONS

- A. Compliance: Comply with manufacturer's product data, including product technical bulletins, product catalog installation instructions and product carton instructions for installation.

3.02 EXAMINATION

- A. Site Verification of Conditions: Verify that conditions of substrates previously installed under other sections are acceptable for product installation in accordance with manufacturer's instructions.

Specifier Note: Coordinate Article below with manufacturer's recommended installation details.

3.03 INSTALLATION

A. Prefinished Steel Door Frames:

1. Install frames plumb and square, in accordance with shop drawings and manufacturer's instructions. Verify opening and dimensions with shop drawings. Use door as a template to ensure proper alignment and clearances.
2. Attach hinges and hang door in frame. Adjust frame to door for equal and uniform clearance between top and sides of door and frame.

Specifier Note: Retain second sentence below if casings are required to meet project requirements.

3. Secure frame to wall with the appropriate type fasteners. Install casing on frame.
4. Install silencers on interior door frames. Install weatherstripping on exterior door frames. Install smoke gaskets as required.
5. Adjust strike plate to hold door tight to stops when closed.
6. Install fire-rated door frames in accordance with NFPA 80.

Specifier Note: Coordinate Article below with Division 01 Execution Requirements (Cleaning) Section.

3.04 CLEANING

- A. Cleaning: Remove temporary coverings and protection of adjacent work areas. Repair or replace damaged installed

products. Clean installed products in accordance with manufacturer's instructions prior to Owner's acceptance. Remove construction debris from project site and legally dispose of debris.

Specifier Note: Coordinate Article below with Division 01 Execution Requirements Section.

3.05 PROTECTION

- A. Protection: Protect installed product and finish surfaces from damage during construction.
 - 1. Repair or replace damaged or defective frames.
 - 2. Touch up damaged areas of factory applied finishes with aerosol spray cans of same paint as used in factory.

END OF SECTION



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Prefinished Steel Door Frames

1. Product Name

Prefinished Steel Frames for Interior and Exterior Doors.

2. Manufacturer

Rediframe Door Frames
a Division of Dunbarton Door & Entry
Systems
1101 Technology Drive
Dothan, AL 36303
(800) 633-7553
(334) 794-0661
Fax: (334) 793-3462
E-mail: sales@dunbarton.com
www.dunbarton.com

3. Product Description

BASIC USE

Rediframe is a factory prefinished steel door frame delivered to the project in boxes for field assembly. Factory standard die-cut mitered steel casing is provided with the frames. Optional 1 1/2" (38mm) aluminum casing or 2 1/4" (57 mm) S56 Colonial steel is available. Frames can be ordered so that wood (supplied by others) trim can be installed. 18 and 20 gage frame profiles are roll formed or press broken to standard Rediframe and custom profiles. They are available in standard or kerf profiles and are suitable for interior and exterior openings. Rediframe is designed for commercial door frame openings, such as hotels, offices, assisted living and public housing, as well as light commercial and residential frame openings in multifamily housing and single family dwellings.

Double rabbet, single rabbet and cased opening jamb profiles are standard; frames can be manufactured to fit specified wall thicknesses from 2 5/8" - 13" (67 - 330 mm).

Rediframes are installed by sleeving the frame over the finish and placing screws through the face of the frame; then the casing is snapped in place to conceal the fasteners.

COMPOSITION & MATERIALS

- Frame members - Formed from commercial quality cold rolled steel to ASTM A366 or galvanized (A40) steel to ASTM A653
- Trim members - Formed from commercial quality cold rolled steel to ASTM A366 or galvanized (A40) steel to ASTM A653
- 18 and 20 gage frames - Prepared for 1 3/8" or 1 3/4" (35 or 44 mm) door
- Hinge reinforcements - 10 gage or



Harris McHaney Realtors, Rogers, AR

- equivalent number of threads
- Lock strike - 14 gage or equivalent number of threads per SDI-107

TYPES

Conventional Rediframes types:

- Single swing
- Pair door
- Cased opening
- Communicating
- Dutch

Specialty Rediframes:

- Borrowed lites
- Sidelites
- Pocket
- Transom

HARDWARE PREPARATION

Hardware locations are per Rediframe standard locations with custom locations available.

- Frames for 1 3/4" (44 mm) door frames are embossed for standard template butt hinges from 4" x 4" (102 x 102 mm) to 4" x 5" (102 x 127 mm). 1 3/4" (44mm) frames are embossed for adjustable 4 7/8" (124mm) ASA universal strike (patented) or for 2 3/4" (70mm) adjustable T strike. Deadbolt and other special hardware preps are available
- Frames for 1 3/8" (35mm) doors are embossed for 3 1/2" x 1/4" (89 x 6.4mm)

- or 3 1/2" x 5/8" (89x15.9 mm) radius standard weight template hinges and 2 3/4" (70mm) cylindrical lock strike
- 4" x 5/8" (102 x 15.9 mm) radius universal hinge is available for insulated steel entry doors with non-template or template hole patterns

COLORS, FINISHES

Finish paint or prime paint is baked-on enamel electrostatically applied over chemically treated, cold rolled or galvanized steel. Dry film thickness is ± 1.0 mil (0.025 mm). Prime finish is a suitable base for field painting.

Standard colors:

- Rediframe Brown
- Bright White
- Ivory
- Prime Grey
- White Prime

Premium colors:

- Mojave Brown
- Light Grey
- Tan
- Black
- Alusteel

LIMITATIONS

Rediframe's responsibility does not include glass, glazing, installation of frames



JW Marriott Hotel, Grand Rapids, MI

or protection of items furnished. Doors, accessories and builders' hardware are provided by others.

4. Technical Data

APPLICABLE STANDARDS

American National Standards Institute (ANSI)

- ANSI 115.1 Specifications for Steel Door and Frame Preparation for Hardware
- ANSI A224.1 Accelerated Physical Endurance Test Procedure for Steel Doors, Frames and Frame Anchors
- ANSI A250.5 Accelerated Physical Endurance Test Procedure for Steel Doors, Frames and Frame Anchors

ASTM International

- ASTM A366 Standard Specification for Commercial Steel (CS) Sheet, Carbon (0.15 Maximum Percent) Cold-Rolled
- ASTM A653/A653M Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process
- ASTM B117 Standard Practice for Operating Salt Spray (Fog) Apparatus
- ASTM D1735 Standard Practice for Testing Water Resistance of Coatings Using Water Fog Apparatus
- ASTM D3363 Standard Test Method for Film Hardness by Pencil Test

National Fire Protection Association (NFPA)

- NFPA 80 Fire Doors and Windows

Steel Door Institute (SDI) - SDI-107

Hardware on Steel Doors (Reinforcement - Application)

Underwriters Laboratories, Inc (UL)

- UL 108 standard for Safety for Fire Tests of Door Assemblies
- UL 10C Standard for Positive Pressure Fire Tests of Door Assemblies

Underwriters' Laboratories of Canada Ltd. (ULC)

- CAN 4-S104 Fire Tests of Door Assemblies

PERFORMANCE

- 18 and 20 gage Rediframe are of a type that has been tested for physical endurance in accordance with ANSI A250.5 for a Level A duration of 1,000,000 cycles
- Finish paint conforms to criteria set forth by ANSI A224.1, which includes conformance to ASTM humidity, impact film adhesion and salt spray tests

FIRE RATINGS

All Warnock Hersey labeled fire door frames are of a type that has been tested in accordance with CAN 4-S104, CSFM 43.7, UL 10B and UL 10C for up to 90 minute rated assemblies. An embossed or physical label is affixed to the frame as evidence the frame assembly was manufactured in accordance with specific Warnock Hersey procedures.

5. Installation

PREPARATORY WORK

Store in a dry, well-ventilated shelter or building at a habitable constant temperature prior to installation.

METHODS

Rediframes must be installed by installers that have passed the Rediframe online certified installer course. Trained installers' names shall be listed on the Rediframe website.

6. Availability and Cost

AVAILABILITY

Conventional and specialty frames are manufactured in Dothan, AL. They are marketed through a nationwide network of distributors, and can be quickly fabricated and shipped throughout the U.S. from the factory or by a local Rediframe distributor. A network of factory approved MOD shops is available throughout the United States.

7. Warranty



Annapolis Area Christian School, Severn, MD

Rediframe Door Frames warrants to the original consumer that its Rediframe Prefinished Steel Door Frame will be free from defects in material and workmanship for a period of 1 year from the date of purchase. Product must be installed in accordance with the recommended written installation instructions of Rediframe Door Frames with established building practices. At the option of Rediframe Door Frames, the defective product will be repaired, or replaced, or the purchase price refunded. Liability is limited to repair, replacement or refund and does not include labor, installation costs or indirect damages of any nature. See actual warranty for complete details of coverage.

8. Maintenance

Little or no maintenance is required beyond simple, routine cleaning. All coatings are designed for long wear and chip resistance.

9. Technical Services

Technical services are managed by Dunbarton Door and Entry Systems, Rediframe Door Frames, at its headquarters in Dothan, AL.

10. Filing Systems

- SmartBuilding Index (SBI)
- MANU-SPEC®
- Additional product information is available from the manufacturer.



INSTALLATION PROCEDURE



1 Set header over wall section.



2 Set hinge jamb over wall section.



3 Set strike jamb over wall section.



4 Pull down header. Attach hinges and hang door.



5 Apply fasteners starting at upper end of hinge jamb.



6 Slide corner backing angles into header casing.



7 Snap on header casing.



8 Slide jamb casing over corner backing angles. Align with jamb clips then snap on casing.

- 1** Set header over wall section, centering header in opening (Fig. 1).
- 2** Hold hinge jamb at an angle, slide jamb over wall section, positioning the door stop between header tab and header door stop. Press entire length of jamb over wall section. If wall fit is snug, rotate jamb slightly while applying pressure (Fig. 2).
- 3** Repeat steps in Fig. 2 to install strike jamb (Fig. 3).
- 4** Pull firmly down on header so that side jamps rest on finished floor. If floor covering is not yet installed, place a shim which equals thickness of floor covering underneath side jamps (Fig. 4). **DO NOT FASTEN FRAME YET.**
- 5** Install door and close in frame opening using the door as a template. Adjust frame to door so that clearances between top and sides of door and frame are equal and between 1/16"–1/8" (2-3 mm) (Fig. 5.). (See Page 2 for fastening schedule.)

For **Wood Casing Application**, use Wood Casing Instructions (Pg. 3). For

Steel, Aluminum or S56 Steel Colonial Casing Applications proceed with Steps 6, 7, and 8 below (Fig. 11, Pg 3).

- 6** Before applying casing, be sure all casing clips (Fig. 9, Page 2) are touching wall surface to assure snug fit of casing to wall. Slide corner pieces into header so that edges fit securely in casing channels (Fig. 6).
- 7** Position header casing so that both ends are equal distance from jamb face, then secure casing edge over top of clip. Snap casing in downward direction over bottom of clip (Fig. 7).
- 8** Slide jamb casing at slight angle over corner pieces so that edges fit securely in casing channel. Push casing upward to meet miter, then check for tight fit. Adjust header casing either left or right or push up on sides to form tight miter. Secure jamb casing edge over outside clip, pushing casing toward inside.

NOTE: On S56 casing, apply slight pressure on the outside edge of casing towards the door opening. Inside edge of casing will slip over remaining clip.

TO REMOVE CASING, use a small common screwdriver with a flat edge or a stiff putty knife. Start at the bottom of the upright casing on the **inside** of the frame. Gently insert the edge of the screwdriver between the casing and the leg of the frame. Slowly work the screwdriver up the casing to the first lance. Rotate the screwdriver in a **counter-clockwise** motion; the casing will pop off the inside curl of the lance. Repeat this procedure with remaining lances. After all inside lances have been cleared, gently ease the casing from under the **outside** lance curl and remove.

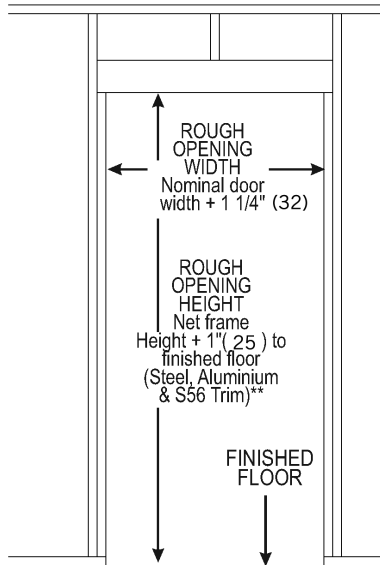
PRODUCT APPLICATION REQUIREMENTS

PAINT: Primed units should be painted within 30 (thirty) days with an oil-based enamel (recommended) or a high quality water base latex. A flash rust inhibitor must be used with water base latex method.

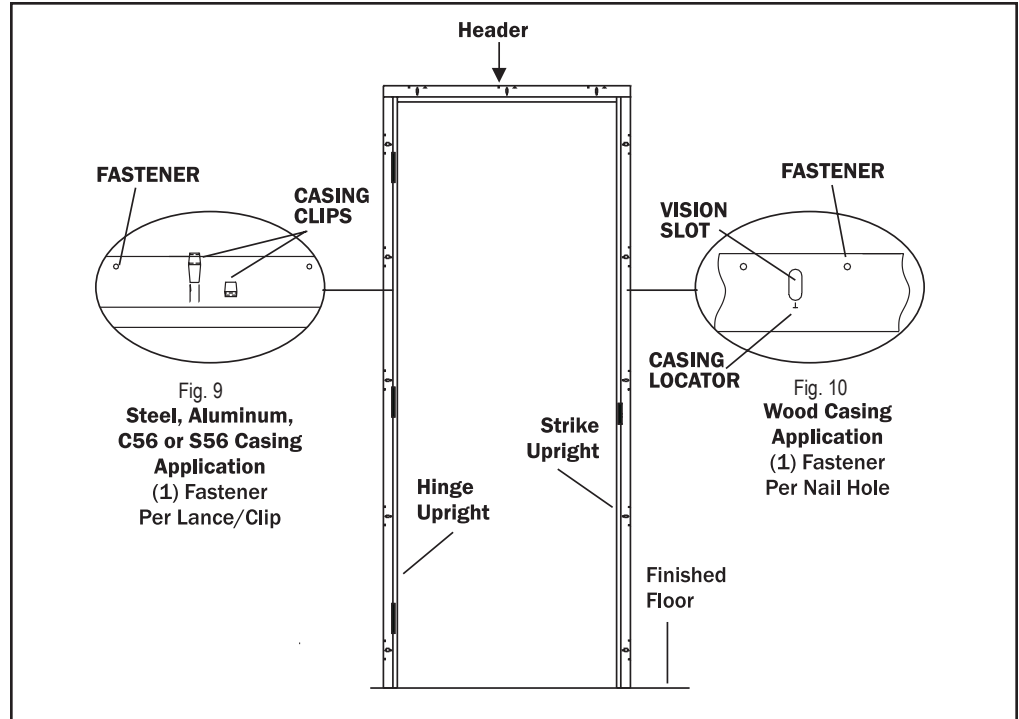
PAINT INSTRUCTION DETAILS: (1) Wet-clean with mild abrasive cleaner. Rinse completely and wipe dry; (2) Use a high quality interior or exterior (depending upon application) paint to finish the frame. Apply paint when temperature is above 50 degrees F and humidity is below 90%; (3) **DO NOT PAINT WEATHERSTRIP.** Kerf weatherstrip can be temporarily removed for painting. Consult factory.

WEATHERSTRIP: Products such as Ultra or Pemko that compress to 1/16" (2 mm) maximum is recommended. NOT meeting this requirements **COULD** result in hinge bind.

REDIFRAME® FRAMING and FASTENING SCHEDULE



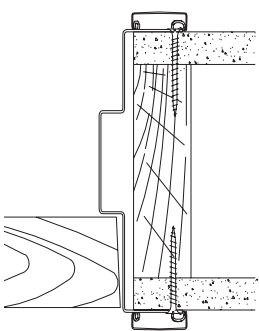
* $3 \times (36 \text{ Nominal Door Width}) + 1 \frac{1}{4} = 37 \frac{1}{4}$
 ** Net frame height is $+1/2$ (13) to finished floor when using wood trim.



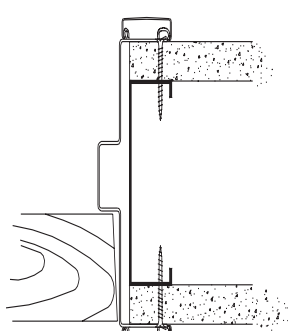
NOTE—BEFORE FASTENING: Determine hardware and reinforcements to be used (thresholds, closer, etc.)
 Be sure frame is not twisted.

NOTE: ON FIRE-RATED FRAMES, fasteners must be a minimum of $1/2$ " (13) longer than the thickness of the drywall or sheathing applied to the stud.

- 1 TO SECURE HINGE UPRIGHT:** Proceed downward from upper end of hinge upright. Apply one (1) fastener per lance / nail hole.
- 2 TO SECURE HEADER:** Fasten header above hinge upright and proceed toward strike side. Apply one (1) fastener per lance / nail hole.
- 3 TO SECURE STRIKE UPRIGHT:** Proceed downward from upper end of strike upright. Apply one (1) fastener per lance / nail hole.



Wall Construction:
Wood Studs & Drywall
 Recommended Fasteners:
 $1 \frac{1}{4}$ " (32) (min.)
 Drywall Screws,
 Coarse Threads or 8D
 Common Nail

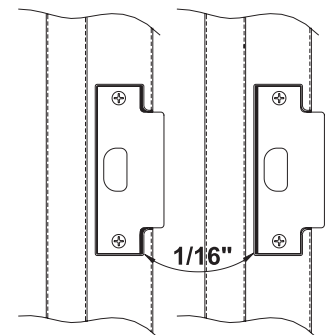


Wall Construction:
Metal Studs & Drywall
 Recommended Fasteners:
 $1 \frac{1}{4}$ " (32) (min.) Type "S"
 Bugle Head Self-Tapping
 Screws

MINIMUM
 STUB WALL =
 CASING WIDTH + $\frac{1}{2}$ " (13)
 MINIMUM
 STUB WALL =
 CASING WIDTH + $\frac{1}{2}$ "
 (13)

STUB WALL
 Example:
Steel & Aluminum
Casing:
 $1 \frac{1}{2}$ " (38) + $\frac{1}{2}$ " (13))
 = 2" (51)
S56 Casing:
 $2 \frac{1}{4}$ " (57) + $\frac{1}{2}$ " (13)
 = $2 \frac{3}{4}$ " (70)

ADJUSTABLE ASA STRIKE EMBOSS AND BACKUP PLATE



- 1 Loosen Screws**
- 2 Adjust Strike:** strike plate can be moved $1/16$ " (2) horizontally to accommodate strike position.
- 3 Retighten Screws**
- 4 No Grinding Strike Plate Required**

CASING INSTRUCTIONS

WOOD CASING (Refer to Fig. 10, Pg. 2):

- 1** Located approximately 1/4" (6) from the inside edge of the frame opening, and centered on the vision slot, is a "T" shaped casing locator (Fig. 10, Pg. 2). Align wood casing edge to barely cover the "T" locator on header and uprights.
- 2** Position nail approximately 1/2" (13) from edge of the casing and centered on "T" locator.
- 3** Secure casing by simply driving nails flush with casing.

SEE PAGE 1 (STEPS 6, 7 & 8) FOR STEEL, ALUMINUM, AND S56 INSTRUCTIONS.

POSITIVE PRESSURE REQUIREMENTS:

CATEGORY "A" DOORS: No additional edge sealing required.
CATEGORY "B" DOORS: Additional Category "G" edge sealing required per the edge seal installation instructions.
"S" MARK VALID ONLY IF LISTED CATEGORY "H" SMOKE AND DRAFT CONTROL GASKET IS APPLIED.

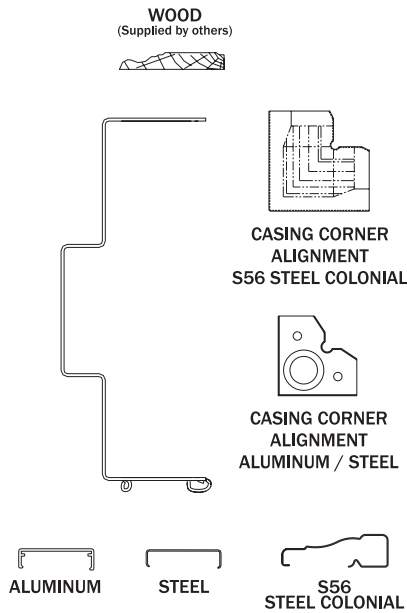


Fig. 11

INSTALLATION OF REGULAR ARM CLOSER REINFORCEMENT

- 1** Position closer reinforcement on header where the door closer shoe is to be mounted (Fig. 12).
- 2** Mount the reinforcement flush with the header face.
- 3** Drill 3/16" (5) pilot holes in the header through the countersunk holes in the reinforcement and secure with 1-1/4" (32) Type "S" Bugle Head Self-Tapping Screws.
- 4** Install header casing.
- 5** Position closer shoe on frame and drill pilot holes through the casing and regular arm closer reinforcement.
- 6** Tap these holes as per the Closer Installation Instructions.
- 7** Secure the closer shoe to the frame.

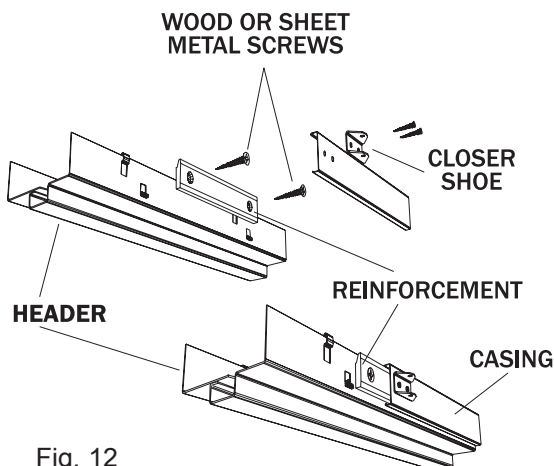


Fig. 12

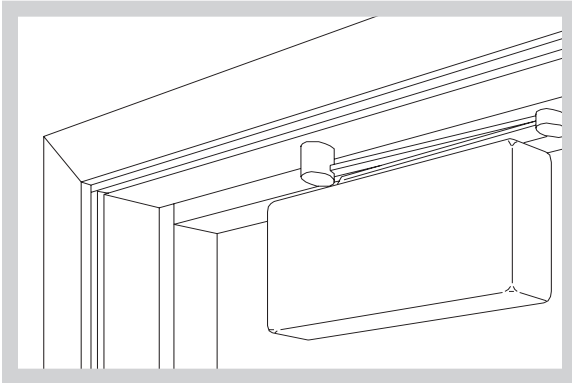
Warnock Hersey



LISTED FRAMES

CLOSER REINFORCEMENT IS OPTIONAL. IF REINFORCEMENT IS NOT USED, THROUGH BOLT INSTALLATION IS REQUIRED.

INSTALLATION OF PARALLEL ARM CLOSER REINFORCEMENT



- 1** Clean general area where Parallel Arm Closer Reinforcement is to be positioned on header with solvent.
- 2** Expose double face tape by removing paper backing on two strips of tape (Fig. 13) and press into position to secure the sleeve to the header (Fig. 14).
- 3** Drill and tap through frame and reinforcement for closer shoe attachment (Fig. 17).
- 4** Install frame and door in conventional manner.

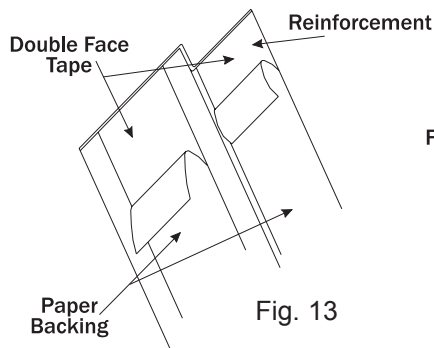


Fig. 13

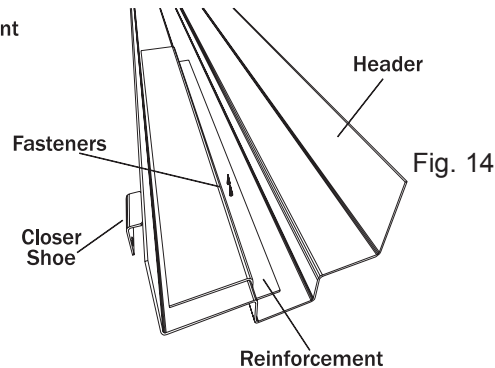


Fig. 14

WARNING
THE PARALLEL ARM CLOSER REINFORCEMENT SLEEVE MUST BE ATTACHED **BEFORE INSTALLING** THE DOOR FRAME.

INSTALLATION OF RIM EXIT REINFORCEMENT

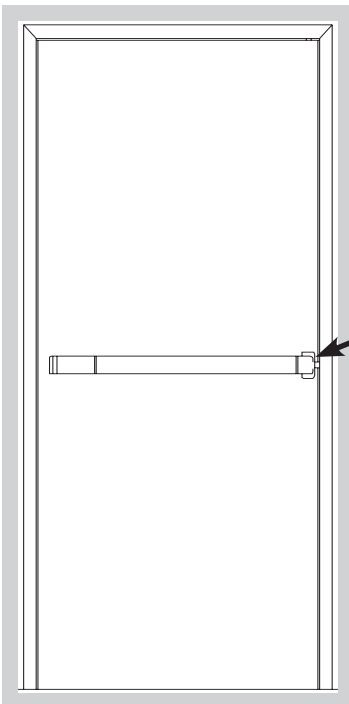


Fig. 17
Surface-Applied Strike

- 1** Clean general area with solvent where Rim Exit Reinforcement is to be positioned on upright.
- 2** Expose double face tape by removing paper backing on two strips of tape (Fig. 15) and press into position to secure the sleeve to the frame (Fig. 16).
- 3** Drill and tap through frame and reinforcement for hardware attachment (Fig. 17).
- 4** Install frame and door in conventional manner.

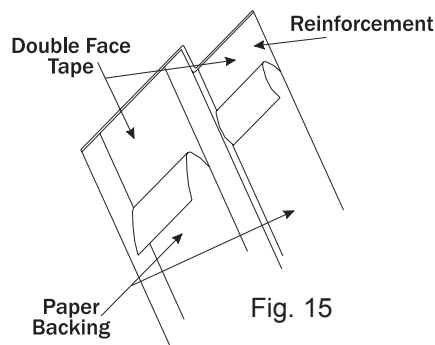


Fig. 15

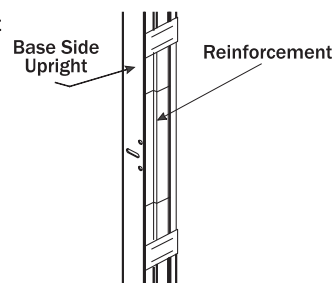


Fig. 16

WARNING
THE RIM EXIT REINFORCEMENT SLEEVE MUST BE ATTACHED **BEFORE INSTALLING** THE DOOR FRAME.

All increments shown in (parenthesis) are millimeters unless otherwise indicated. Imperial and metric dimensions may not be equivalents.

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REDIFRAME™

REDIFLEX® ADJUSTABLE FRAME INSTALLATION PROCEDURE

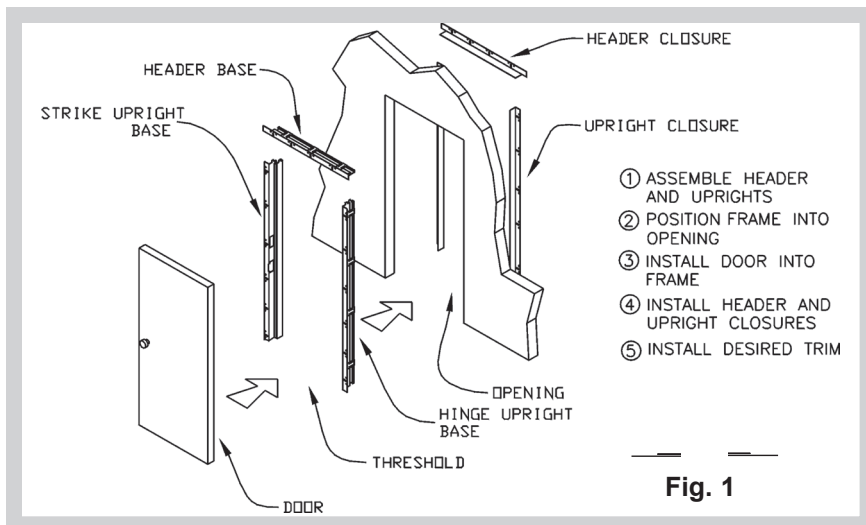


Fig. 1

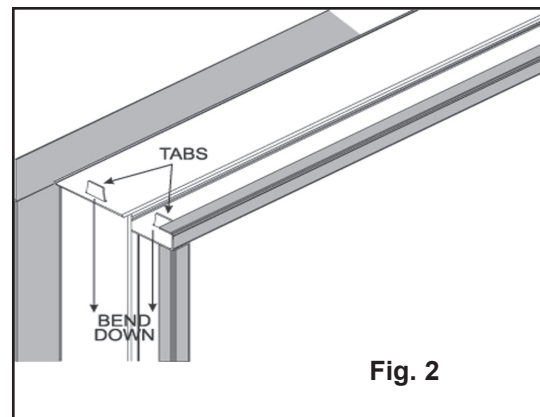


Fig. 2

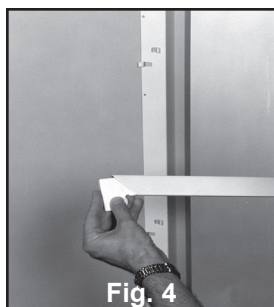


Fig. 4

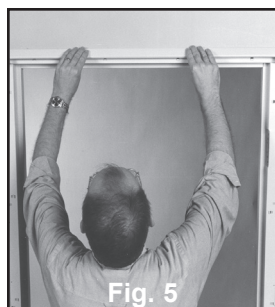


Fig. 5

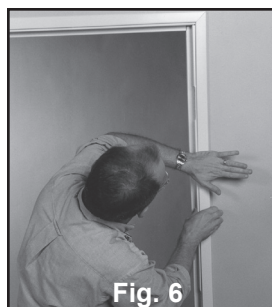


Fig. 6

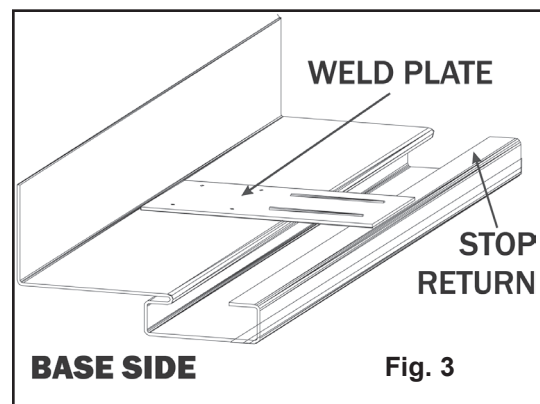


Fig. 3

- 1 Open carton and remove all frame components.** Inspect for any damage. If damage is apparent, notify dealer or sales representative immediately to expedite replacement.
- 2 Assemble base side of frame** (which consists of hinge jamb, strike jamb, and header) by placing the face or nailing flange face down on a flat surface. (Fig. 1). Insert tabs which are located on the ends of the jambs into the slots in the header. Bend tabs outward and down to secure tight fit between the jambs and header (Fig. 2). Stand frame upright and place into rough opening. **Note:** If using threshold, install prior to placement into rough opening.
- 3 Square header and hinge jamb** by using a carpenter's square, then secure the corner of the header. Using a level, plumb the hinge jamb and secure (begin at the top). Repeat process for strike jamb.
- 4 Install door and close in frame opening** using the door as a template. Adjust frame to door so that clearances between the door and the frame are equal and between 1/16" – 1/8" (2 – 3cm). After adjusting for proper fit, secure with recommended screws. For doors over 100 lbs. use a longer screw in place of one hinge screw on top hinge to secure frame to the wall stud. This is only necessary on the top hinge.
- 5 Install closure pieces** from rear side by guiding closure between plate and stop. Begin at either end of any closure piece. It may be necessary to apply slight pressure to the

outside of frame at start point to allow closure to go between plate and stop. When all closure pieces are installed and clearances set, fasten to wall.

Note: While installing closure pieces, make sure the closure goes between the stop return and each individual weld plate of the base side of frame (Fig. 3).

- 6 Install weatherstripping** or smoke gasketing as required, lockset, and adjustable strike. Adjust strike to remove any movement of door after latching. Add additional fasteners if required.
- 7 To apply WOOD casings**, locate "T" mark on face of frame. Place edge of casing parallel to "T". Locate casing nail approximately 1/2" (13cm) back from top of "T" and centered, then drive. This will allow nailing through the frame through the oval slot (Fig. 10, Fig. 12).
- 8 To apply STEEL, ALUMINUM and S56 STEEL COLONIAL casings**, slide corner alignment pieces into header ends so the edges of corner pieces are securely fitted inside the casing channel. Center header casing on frame and snap into place by hooking casing edge under outside of casing lance, then snapping over inside of lance. **DO NOT FORCE CASING OVER BOTH SIDES OF LANCE SIMULTANEOUSLY.** Hold jamb casing at a slightly outward angle and fit mitered end over corner piece protruding from header casing; push upward to meet miter of header casing. Make certain that jamb casing is aligned with jamb casing lances (tap header left or right as needed with hammer handle)

and hook casing over outside lance. Survey miter joint for secure fit (adjust header casing left or right as needed), then snap casings over inside of lance and complete opposite sides (Fig. 4, 5, 6, 9, 12).

TO REMOVE CASING, use a small common screwdriver with a flat edge or a stiff putty knife. Start at the bottom of the upright casing on the **inside** of the frame. Gently insert the edge of the screwdriver between the casing and the leg of the frame. Slowly work the screwdriver up the casing to the first lance. Rotate the screwdriver in a **counter-clockwise** motion; the casing will pop off the inside curl of the lance. Repeat this procedure with remaining lances. After all inside lances have been cleared, gently ease the casing from under the **outside** lance curl and remove.

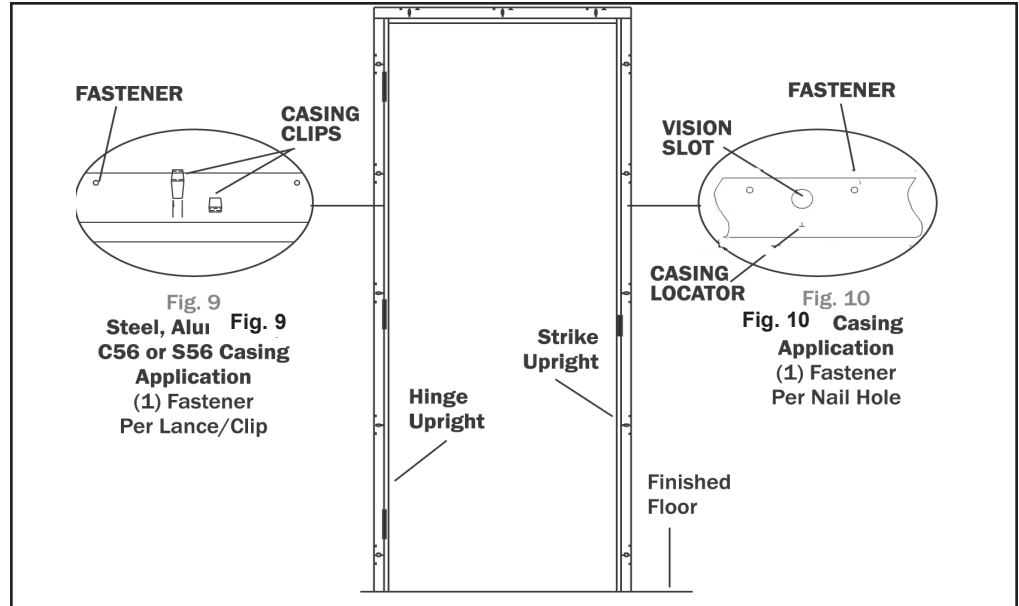
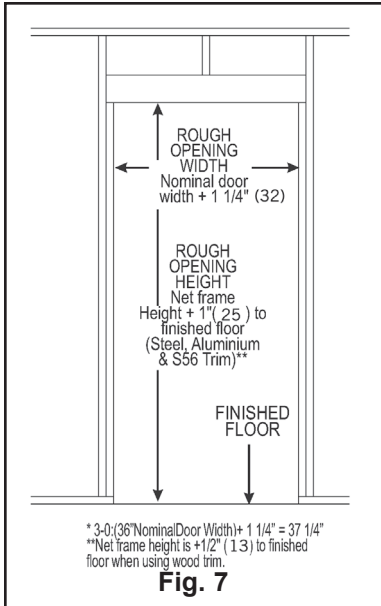
PRODUCT APPLICATION REQUIREMENTS

PAINT: Primed units should be painted within 30 (thirty) days with an oil-based enamel (recommended) or a high quality water base latex. A flash rust inhibitor must be used with water base latex method.

PAINT INSTRUCTION DETAILS: (1) Wet-clean with mild abrasive cleaner. Rinse completely and wipe dry; (2) Use a high quality interior or exterior (depending upon application) paint to finish the frame. Apply paint when temperature is above 50 degrees F and humidity is below 90%; (3) **DO NOT PAINT WEATHERSTRIP.** Kerf weatherstrip can be temporarily removed for painting. Consult factory.

WEATHERSTRIP: Products such as Ultra or Permko that compress to 1/16" (2) maximum is recommended. NOT meeting this requirements COULD result in hinge bind.

REDIFLEX® FRAMING and FASTENING SCHEDULE

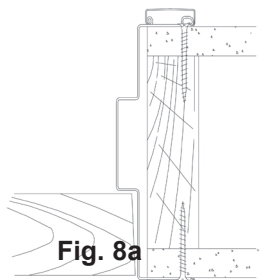


NOTE: Local building codes vary in placement and number of fasteners required.

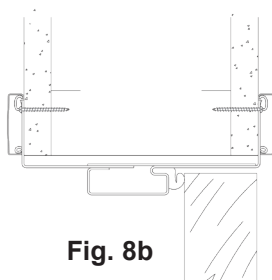
NOTE: Before Fastening, determine hardware and reinforcements to be used (thresholds, closer, etc.) Ensure frame is not twisted.

NOTE: ON FIRE-RATED FRAMES, fasteners must be a minimum of 1/2" (13mm) longer than the thickness of the drywall or sheathing applied to the stud.

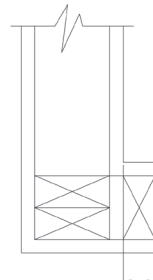
POSITIVE PRESSURE REQUIREMENTS:
CATEGORY "A" DOORS: No additional edge sealing required.
CATEGORY "G" DOORS: Intumescent edge seal (sold separately) is required.



Wall Construction:
Wood Studs & Drywall
Recommended Fasteners:
1-1/4" (32mm) (min.)
Drywall Screws,
Coarse Threads or
8D Common Nail



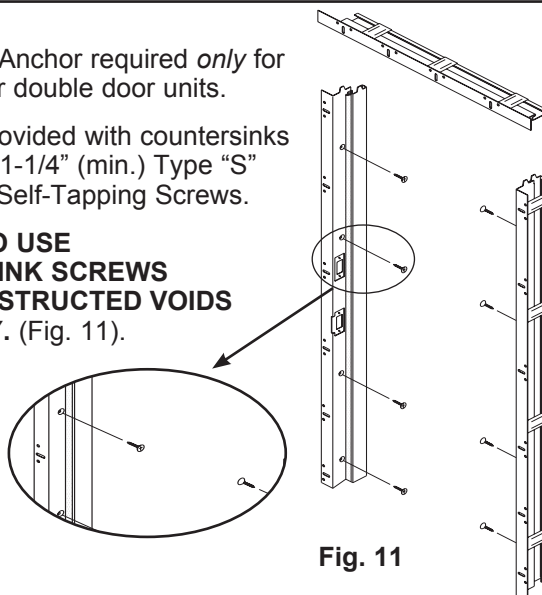
Wall Construction:
Metal Studs & Drywall
Recommended Fasteners:
1-1/4" (32mm) (min.)
Type "S" Bugle Head
Self-Tapping Screws



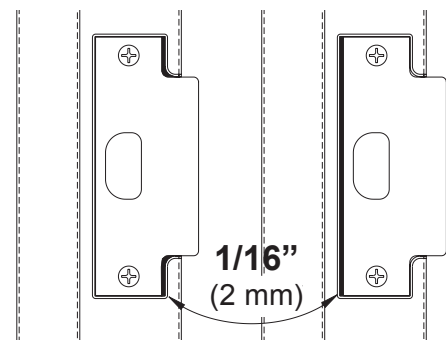
STUB WALL:
Example:
Steel & Aluminum Casing:
1-1/2" (38mm) + 1/2" (13mm)
= 2" (51mm)
S56 Casing:
2-1/4" (57mm) + 1/2" (13mm)
= 2-3/4" (70mm)

COUNTERSINK ANCHORING

- 1 Countersink Anchor required *only* for Fire-Rated or double door units.
- 2 If frame is provided with countersinks in soffit, use 1-1/4" (min.) Type "S" Bugle Head Self-Tapping Screws.
- 3 **FAILURE TO USE COUNTERSINK SCREWS WHERE INTSTRUCTED VOIDS WARRANTY.** (Fig. 11).

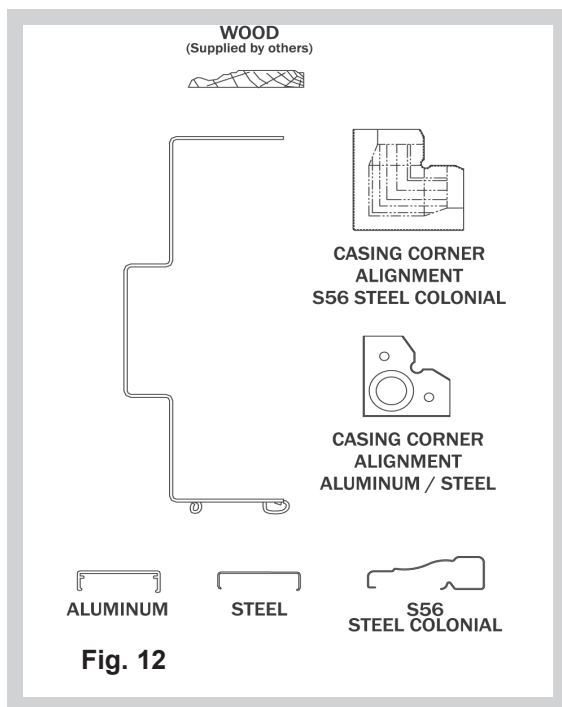


ADJUSTABLE ASA STRIKE EMBOSS AND BACKUP PLATE



- 1 **Loosen Screws**
- 2 **Adjust Strike:** strike plate can be moved 1/16" (2mm) horizontally to accommodate strike position.
- 3 **Retighten Screws**
- 4 **No Grinding Strike Plate Required**

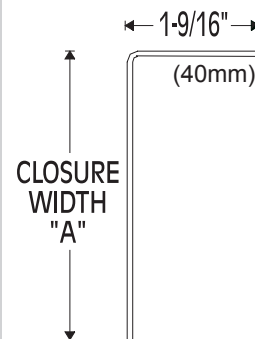
CASING OPTIONS



CLOSURE WIDTH CHART

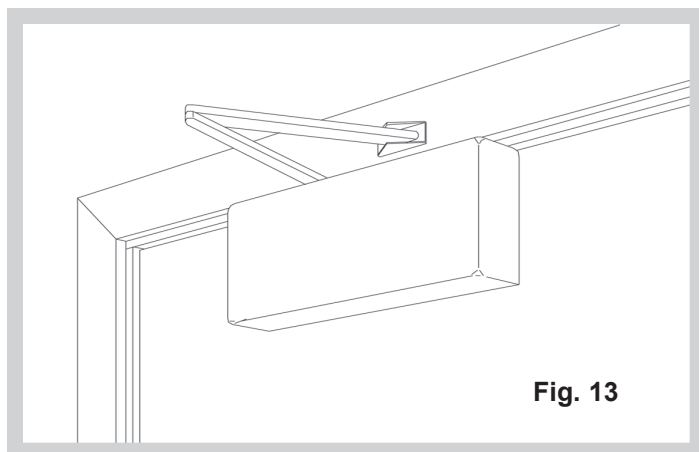
KERF REDIFLEX			
WALL SIZE	CLOSURE WITH "A"		
4" - 5"	(102-127mm)	1-1 1/2"	(48mm)
4-1/2" - 5 1/2"	(114-140mm)	2"	(51mm)
5-1/2" - 6-1/2"	(140-165mm)	3"	(76mm)
6-1/2" - 7-1/2"	(165-191mm)	4"	(102mm)
7-1/2" - 8-1/2"	(191-216mm)	5"	(127mm)
8-1/2" - 9-1/2"	(216-241mm)	6"	(154mm)
9-1/2" - 10-1/2"	(241-267mm)	7"	(178mm)

REGULAR REDIFLEX			
WALL SIZE	CLOSURE WITH "A"		
4" - 5-1/4"	(102-144mm)	2"	(51mm)
5" - 6-1/4"	(127-159mm)	3"	(76mm)
6" - 7-1/4"	(154-184mm)	4"	(102mm)
7" - 8-1/4"	(178-210mm)	5"	(127mm)
8" - 9-1/4"	(203-235mm)	6"	(154mm)
9" - 10-1/4"	(229-260mm)	7"	(178mm)

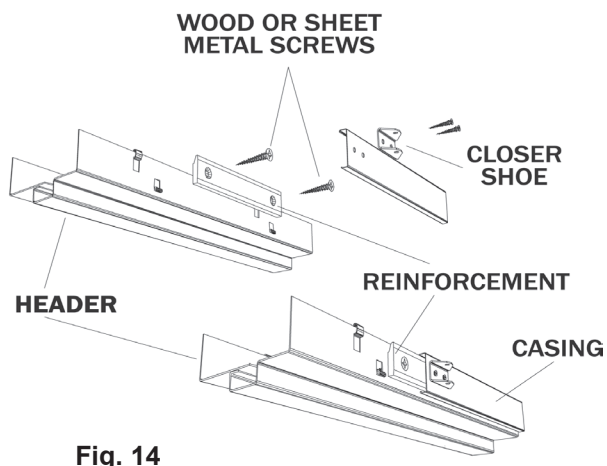


REFER TO THIS CHART TO VERIFY CORRECT CLOSURE WIDTHS FOR WALL SIZE.

INSTALLATION OF REGULAR ARM CLOSER REINFORCEMENT



- 1 Position closer reinforcement on header where the door closer shoe is to be mounted (Fig. 13 & 14).
- 2 Mount the reinforcement flush with the header face.
- 3 Drill 3/16" (5mm) pilot holes in the header through the countersunk holes in the reinforcement and secure with 1-1/4" (32mm) Type "S" Bugle Head Self-Tapping Screws.
- 4 Install header casing.
- 5 Position closer shoe on frame and drill pilot holes through the casing and regular arm closer reinforcement.
- 6 Tap these holes as per the Closer Installation Instructions.
- 7 Secure the closer shoe to the frame.



LISTED FRAMES

CLOSER REINFORCEMENT IS OPTIONAL. IF REINFORCEMENT IS NOT USED, THROUGH BOLT INSTALLATION IS REQUIRED.

INSTALLATION OF PARALLEL ARM CLOSER REINFORCEMENT

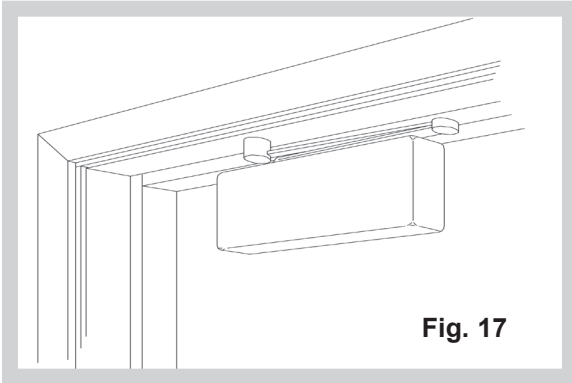


Fig. 17

- 1 Clean general area where Parallel Arm Closer Reinforcement is to be positioned on header with solvent. Closer reinforcement may have to be cut apart to fit around weld plate in some applications.
- 2 Expose double face tape by removing paper backing on two strips of tape (Fig. 15) and press into position to secure the sleeve to the header (Fig. 16).
- 3 Drill and tap through frame and reinforcement for closer shoe attachment (Fig. 17).
- 4 Install frame and door in conventional manner.

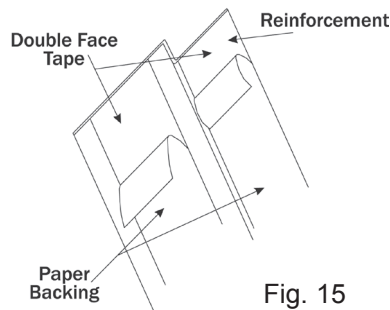


Fig. 15

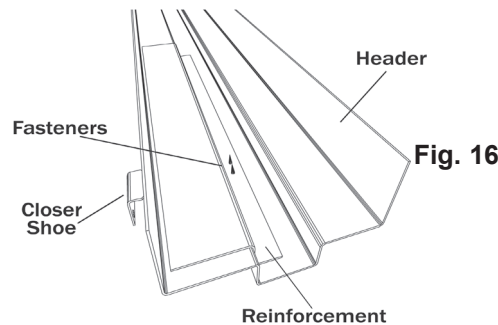


Fig. 16

WARNING
THE PARALLEL ARM CLOSER REINFORCEMENT SLEEVE MUST BE ATTACHED **BEFORE INSTALLING** THE DOOR FRAME.

INSTALLATION OF RIM EXIT DEVICE

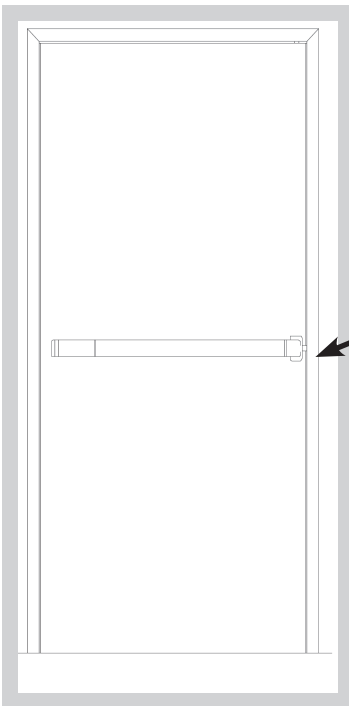


Fig. 20
Surface-Applied Strike

- 1 Clean general area with solvent where Rim Exit Reinforcement is to be positioned on upright.
- 2 Expose double face tape by removing paper backing on two strips of tape (Fig. 18) and press into position to secure the sleeve to the frame (Fig. 19).
- 3 Drill and tap through frame and reinforcement for hardware attachment (Fig. 20).
- 4 Install frame and door in conventional manner.

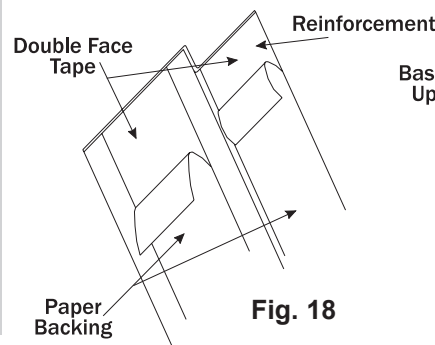


Fig. 18

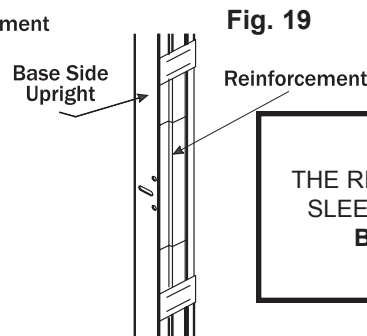


Fig. 19

WARNING
THE RIM EXIT REINFORCEMENT SLEEVE MUST BE ATTACHED **BEFORE INSTALLING** THE DOOR FRAME.



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Adjustable Steel Door Frames (Rediflex®)

ASSEMBLY OF PRE-HANG UNIT

BASE PACKAGE TO CONTAIN:

- (1) Header base
- (1) Hinge base
- (1) Strike base
- (1) Threshold (optional)
- (1) Weatherstrip set (optional)
- (1) Pre-hang hardware bag (optional)
- (1) Accessory hardware bag (optional)
- (1) Pre-hang instructions

FRAME PREPARATION

1 Frame Component Selection

- Frame components. *Figure A*
- Position frame on work surface. *Figure B*

2 Assemble Base Side of Frame

- Bend tabs down and out towards throat side of frame. *Figure C*

3 Attach Threshold (optional)

- (4) #6 x 1-1/2" (38mm) pan head Phillips type 17 face frame screws required. *Figure D*

Note: Turn entire pre-assembled unit over after this step. *Figure E*

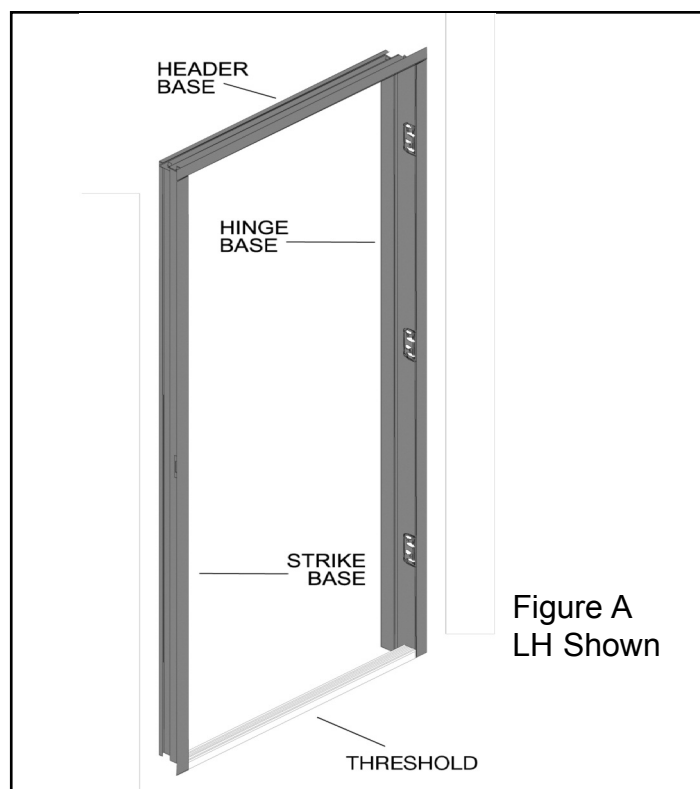


Figure A
LH Shown

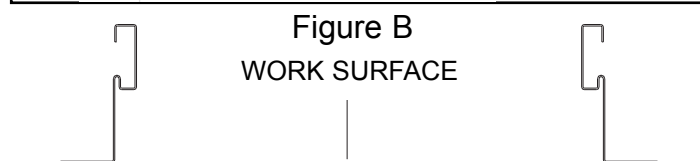


Figure B
WORK SURFACE

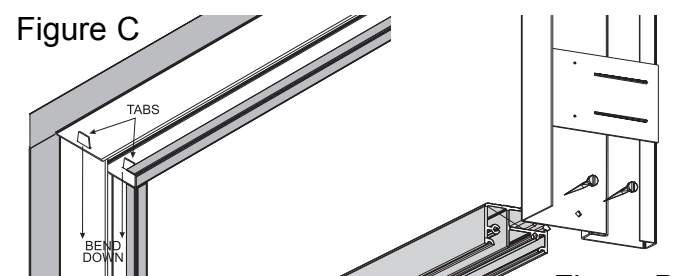


Figure C

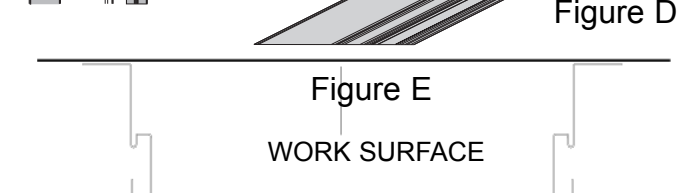


Figure D

Figure E
WORK SURFACE

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4 Attach Hinges (not included) to Frame

- #10-24 x 1/2" (13mm) machine screws required. *Figure F*

5 Install Weatherstrip (optional)

- NOTE: Carefully cut weatherstrip to length. *Figure G*

6 Apply Corner Seals (optional, in accessory bag)

- (1) required on hinge base and (1) on strike base. *Figure H*

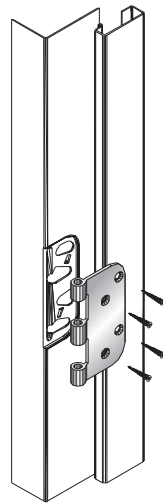


Figure F

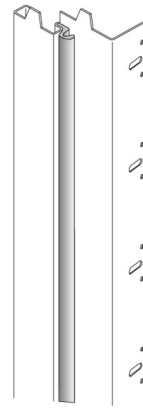


Figure G

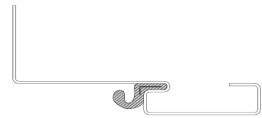


Figure H

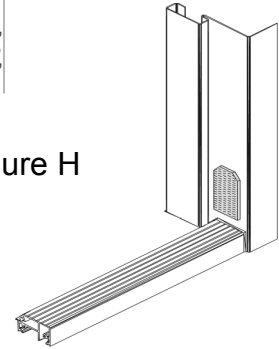


Figure I

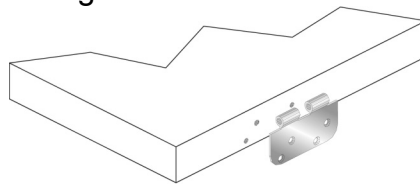


Figure J

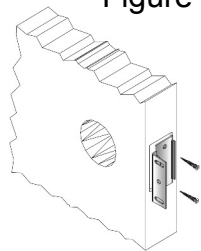


Figure K

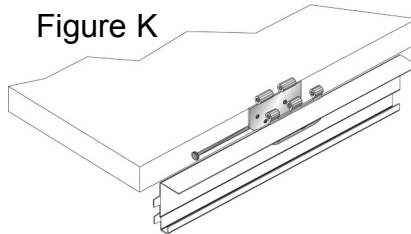
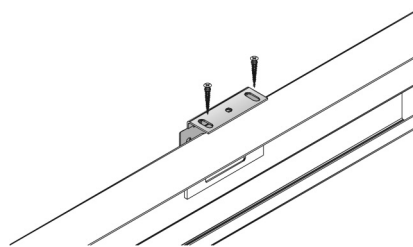


Figure L



DOOR PREPARATION

1 Install Hinges (not included)

- #10-24 x 3/4" (19mm) wood screws (or to door manufacturers specifications) required. *Figure I*

2 Install Pre-hang Bracket (optional- in pre-hang hardware bag)

- (2) #6 x 3/4" (19mm) pan head truss head screws required. *Figure J*

FINAL ASSEMBLY

1 Install Door (not included) Into Frame

- Place door in frame.
- Insert (3) hinge pins. *Figure K*

2 Attach Pre-hang Bracket To Frame (optional- in hardware bag)

- (2) #6 x 1/2" (13mm) TEK screws required. *Figure L*

Refer to "Installation of Assembled Prehang Kit" (P/N 6217023 or RF404) for insertion into wall opening.

SPECIAL PRODUCT APPLICATION REQUIREMENTS

PAINT: Primed units should be painted within 30 (thirty) days with an oil-based enamel (recommended) or a high quality water base latex. A flash rust inhibitor must be used with water base latex method.

PAINT INSTRUCTION DETAILS: (1) Wet-clean with mild abrasive cleaner. Rinse completely and wipe dry; (2) Use a high quality interior or exterior (depending upon application) paint to finish the frame. Apply paint when temperature is above 50 degrees F and humidity is below 90%; (3) DO NOT PAINT WEATHERSTRIP. Kerf weatherstrip can be temporarily removed for painting. Consult factory.

WEATHERSTRIP: Products such as Ultra or Pemko that compress to 1/16" (2) maximum is recommended. NOT meeting this requirements COULD result in hinge bind.

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Adjustable Steel Door Frames (Rediflex®)

INSTALLATION OF ASSEMBLED PRE-HUNG UNIT

CLOSURE PACKAGE TO CONTAIN:

- (2) Upright closures
- (1) Header closure
- (1) Aluminum extender optional
- (1) Strike package hardware bag (optional in US10B, US4, US26D finishes)
- (1) Installation sheet

1 Install Pre-hung Unit Into Wall Opening

- Set clearances and attach to wall using the recommended fasteners. *Figure A*

2 Install Closures

- Set clearances and attach to wall using the recommended fasteners.
- Note: While installing closure pieces, make sure the closure goes between the stop return and each individual weld plate of the base side of the frame. *Figure B*

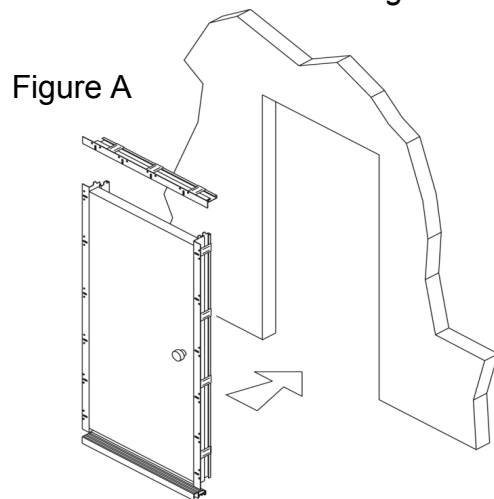
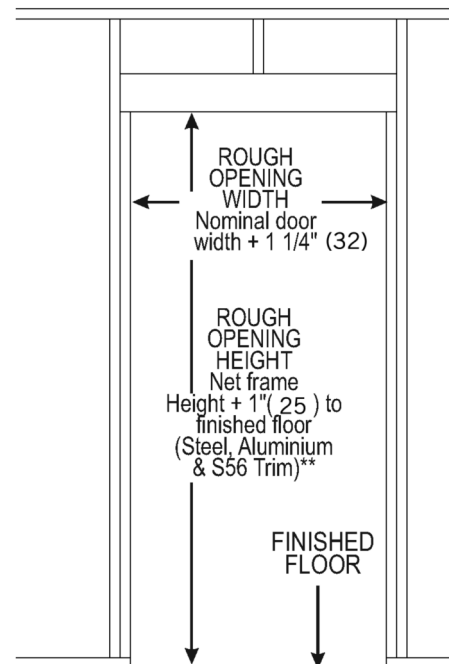


Figure A



* 3-0: (36" Nominal Door Width) + 1 1/4" = 37 1/4"
 ** Net frame height is +1/2" (13) to finished floor when using wood trim.

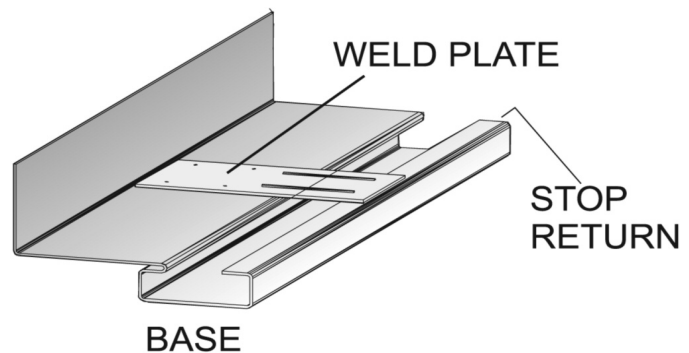


Figure B

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3 Install Threshold Extender (None required for ADA or Bumper Outswing) For Ultra Threshold and Base Kit:

- Extenders are factory-notched for the listed wall sizes. *Figure C*
- The extenders can be notched in the field for a smaller wall size. See below for notching details. *Figure D 1 & 2*
- Slip extender into threshold. *Figure E*
- Drill a 3/16" (5 mm) diameter hole in the extender approximately 2" – 3" (51 mm - 76 mm) from each end for (2) #10 x 1-1/2" (38 mm) flat head Phillips screws (provided). *Figure F*

WARNING: Extender must be attached to the floor or warranty is voided.

Figure C

Kerf Wall Size	Non-Kerf Wall Size	Extender Width	Extender Wall Size as Notched
4-1/2" > 5-1/2" 114 mm > 140 mm	4" > 5-1/4" 102 mm > 133 mm	3-3/4" 95 mm	5" 127 mm
5-1/2" > 6-1/2" 140 mm > 165 mm	5" > 6-1/4" 127 mm > 159 mm	4-3/4" 121 mm	6" 152 mm
6-1/2" > 7-1/2" 165 mm > 191 mm	6" > 7-1/4" 152 mm > 184 mm	5-3/4" 146 mm	7" 178 mm

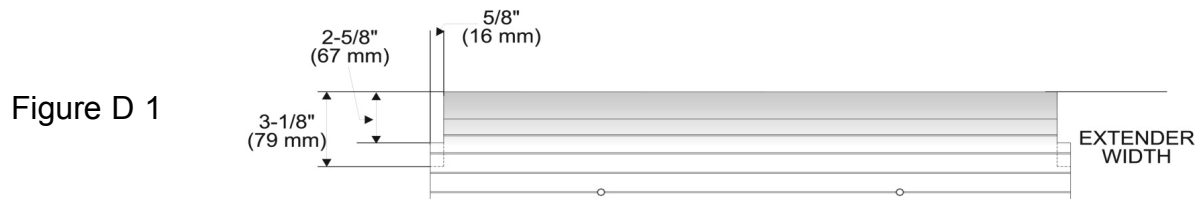


Figure D2

Extender Width	Wall Size (Factory Set)	Notch Depth (Factory Set)	Minimum Wall Size	Notch Depth (In field)
3-3/4" 95 mm	5" 127 mm	2-5/8" 67 mm	4-1/2" 114 mm	3-1/8" 79 mm
4-3/4" 121 mm	6" 152 mm	2-5/8" 67 mm	5-1/2" 140 mm	3-1/8" 79 mm
5-3/4" 146 mm	7" 178 mm	2-5/8" 67 mm	6-1/2" 165 mm	3-1/8" 79 mm

Figure E

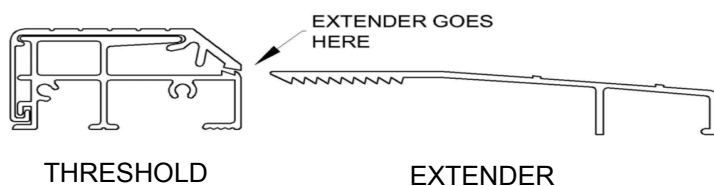
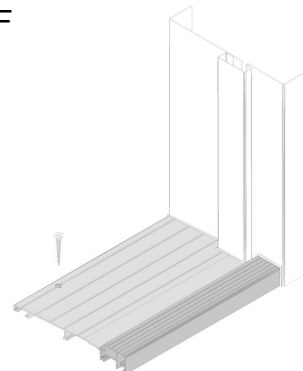


Figure F



For Endura 'Z' Series Threshold and Base Kit:

- Insert extender into threshold sill as shown. *Figure G*
- Caulk entire joint between frame and threshold.

Figure H (applies to *all* thresholds)

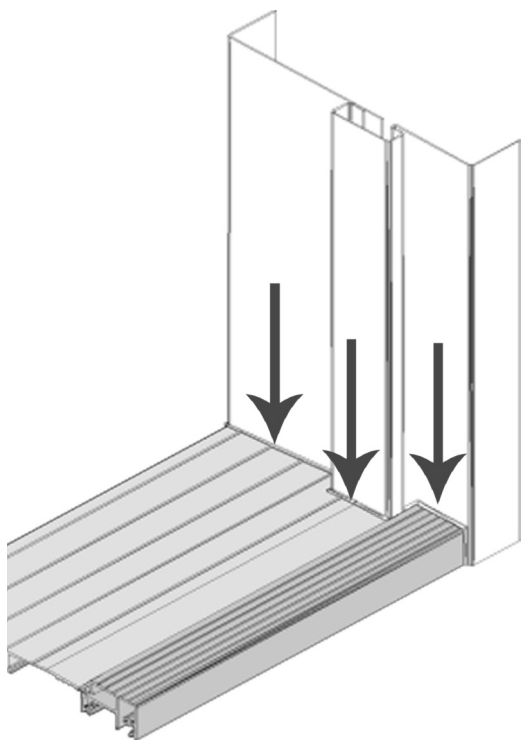


Figure H

WARNING: Extender must be attached to the floor or warranty is voided.

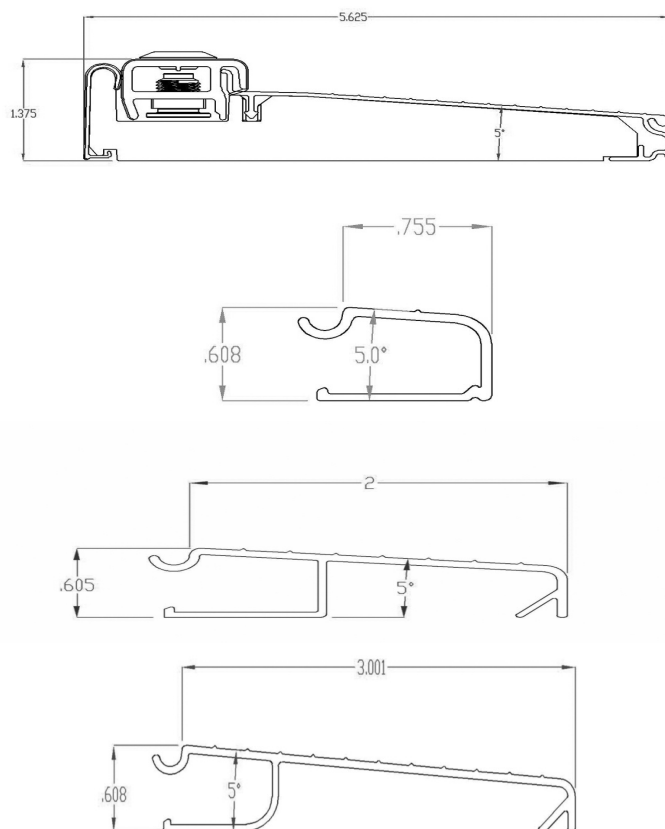


Figure G

SPECIAL PRODUCT APPLICATION REQUIREMENTS

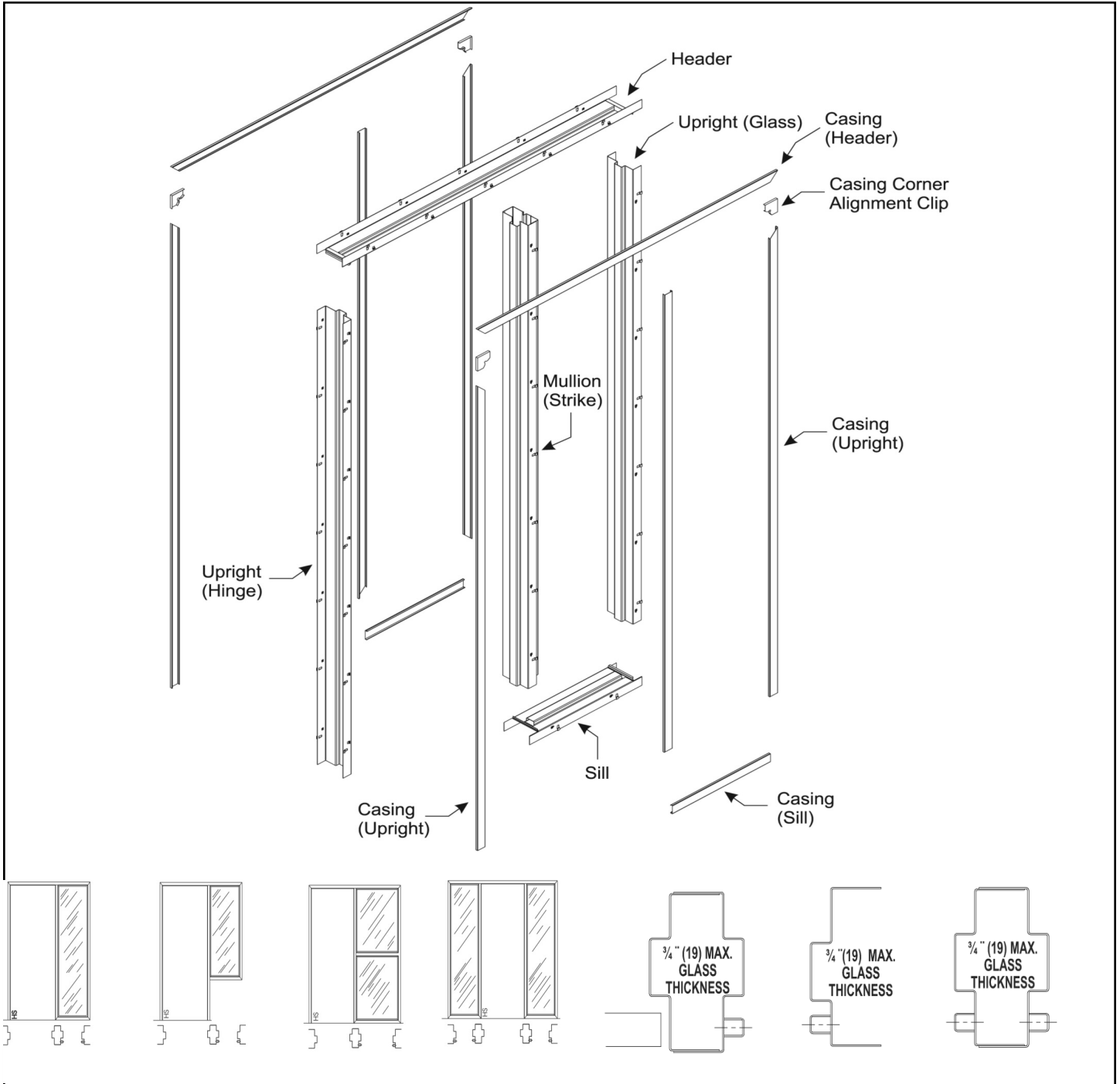
PAINT: Primed units should be painted within 30 (thirty) days with an oil-based enamel (recommended) or a high quality water base latex. A flash rust inhibitor must be used with water base latex method.

PAINT INSTRUCTION DETAILS: (1) Wet-clean with mild abrasive cleaner. Rinse completely and wipe dry; (2) Use a high quality interior or exterior (depending upon application) paint to finish the frame. Apply paint when temperature is above 50 degrees F and humidity is below 90%; (3) DO NOT PAINT WEATHERSTRIP. Kerf weatherstrip can be temporarily removed for painting. Consult factory.

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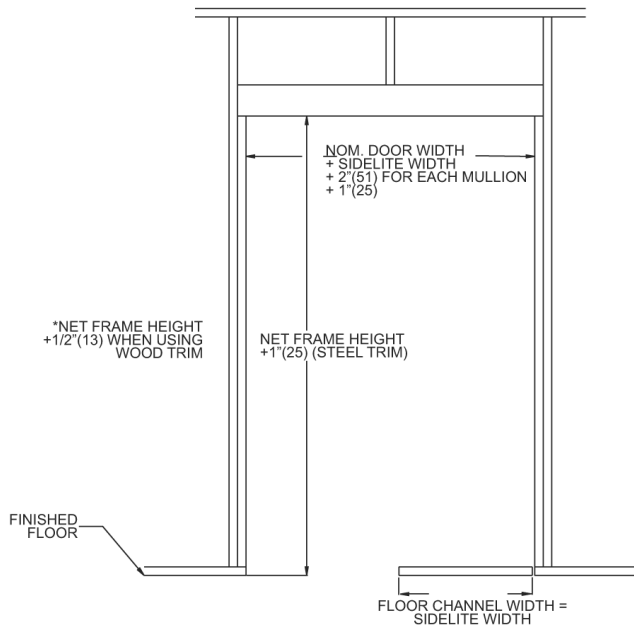
SIDELITE INSTALLATION PROCEDURE



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www.dunbarton.com | sales@dunbarton.com

BEFORE YOU BEGIN

PLEASE FOLLOW ALL INSTRUCTIONS AND ALWAYS USE PROTECTIVE EYEWEAR WHEN INSTALLING A DOOR SYSTEM. PLEASE READ INSTRUCTIONS COMPLETELY.



STANDARD SIDELITE
ROUGH OPENING

Rough Opening

(Figure 1)

Step 1

Verify that the opening is plumb, square and level. To determine rough opening, add width of door to width of glass insert and add 3\"(76) for rough opening width.

(Example: 36\"(914) + 2\"(51) [mullion] + 18\"(457) + 1\"(13) = 57\"(1448) W. (Figure 2)

Step 2

Add 1\"(13) to net height of frame for rough opening height. [Example: 80\"(2032) + 1\"(13) = 81\"(2057) H]

Installation of Floor Channel (Figure 1)

Step 1

Install the floor channel or 2x4 stub wall. The floor channel is installed first. It is **important** that the floor channel be strongly fastened to the floor as the sidelite will be attached to it and cannot be allowed to move.

[Example: Sidelite width 18\"(457); Length of

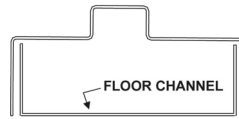
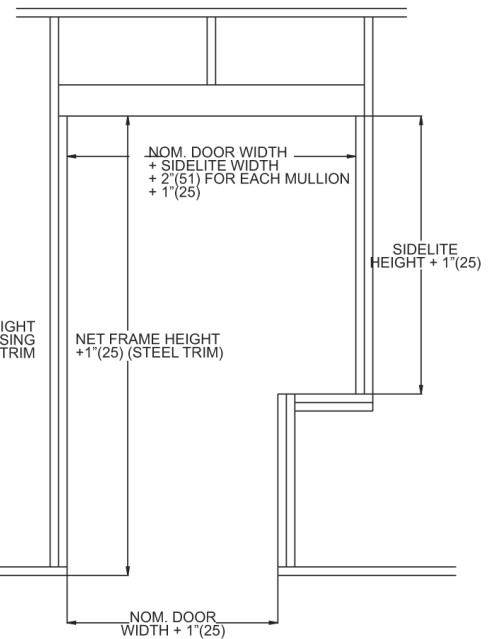


FIGURE 1



PARTIAL SIDELITE
ROUGH OPENING

floor channel: 18\"(457)]

Mullion Clip Installation

Step 1

Select frame members that will receive mullion brackets (head on elevation shown). Determine center line of mullion and scribe a line across the stop. (Figure 3)

Important: All measurements should be made from the same end of the frame sections in the installed position.

Step 2

Position mullion bracket so scribe line centers in diamond window and the depressed tab rests firmly against the stop on the 1-3/4\"(44) & 1-3/8\"(35) rabbets. (Figure 4)

Step 3

Install screws as shown. (Figure 5)

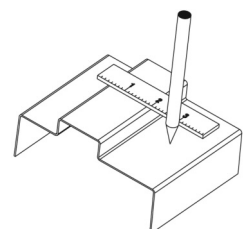


FIGURE 3

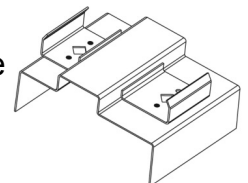


FIGURE 4

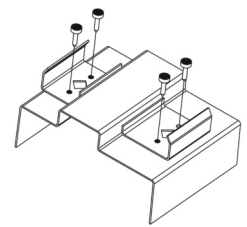


FIGURE 5

Installation of Frame

Step 1

Sleeve top header over wall (Figure 6).

Step 2

Sleeve bottom header over sill.

Step 3

Sleeve upright members over wall (Figure 7).

Step 4

Position mullion post (Figure 8).

Step 5

Bring top header down to upright sections, locking them together with alignment tabs and fitting the mullion post firmly on to the mullion bracket (Figure 9).

Step 6

With a self-tapping screw, attach mullion to mullion clip (Figure 10) on both sides.

Step 7

Hang door and align for squareness.



FIGURE 6



FIGURE 7

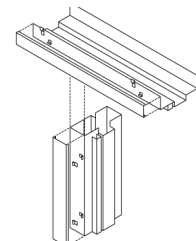


FIGURE 8

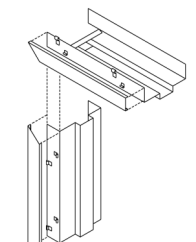


FIGURE 9

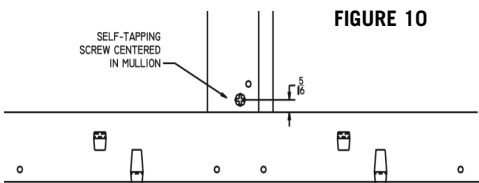


FIGURE 10

FIG. 11

Fastening Instructions

Wall Construction: (Figure 11)
Wood Studs & Drywall

Recommended Frame Fasteners:
1-1/4" Min. Drywall Screws, Coarse Threads

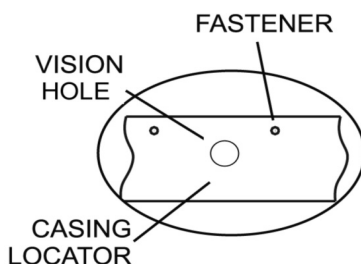
FIG. 12

Wall Construction: (Figure 12)
Steel Studs & Drywall

Recommended Frame Fasteners:
1-1/4"(32) min. Type "S" Bugle Head Self-Tapping Screws

Fasten unit to wall as follows (Figure 13):

FIGURE 13



Step 1

To secure header, fasten header above hinge upright and proceed toward strike side. Apply one (1) fastener per lance / nail hole. (Figure 14)



FIGURE 14

Step 2

To secure sill, apply one fastener per lance/nail hole.

Step 3

To secure hinge upright, proceed downward from upper end of hinge upright. Apply one (1) fastener per lance / nail hole (Figure 14).

Step 4

To secure upright (glass), proceed upper end of glass upright. Apply lance / nail hole.

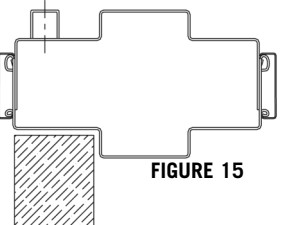


FIGURE 15

Step 5

Install glass, glazing, and glass stop. (Figure 15) See Fire Rating Chart for correct glazing material application (pg. 4). (Figure 16)

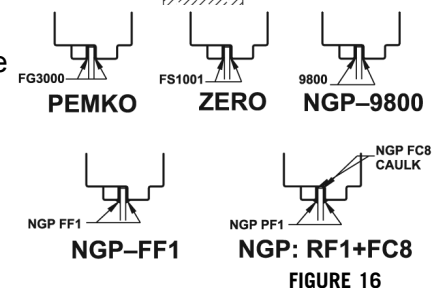


FIGURE 16

Step 6

Apply trim, taking care to hook over outside clip roll and snap over the inside clip. Do not force over both ends of clip simultaneously (Figures 17, 18 & 19).



FIGURE 17

To



FIGURE 18



FIGURE 19

remove casing, use a small common screwdriver with a flat edge or a stiff putty knife. Start at the bottom of the upright casing on the **inside** of the frame. Gently insert the edge of the screwdriver between the casing and the leg of the frame. Slowly work the screwdriver up the casing to the first lance. Rotate the screwdriver in a counterclockwise motion; the casing will pop off the inside curl of the lance. Repeat this procedure with remaining lances. After all inside lances have been cleared, gently ease the casing from under the **outside** lance curl and remove.

FIRE RATINGS

45-MINUTE SIDELITE / TRANSOM ASSEMBLY FRAMES (1-3/4"(44) DOORS) Maximum Assembly Size: 10' wide x 10' height / UL 10B (Neutral Pressure) and UL 10C (Positive Pressure)									
RATING	MINIMUM WALL SIZE	MAXIMUM GLASS WIDTH	MAXIMUM GLASS HEIGHT	FRAME GAUGE	GLASS TYPE	TEST STANDARD	MAXIMUM DOOR SIZE	GLAZING MATERIAL	MAX. ASSEMBLY SIZE
45 min.	3-1/2" (9 cm)	24" (61 cm)	106" (269 cm)	18 or 20	Wire	Neutral	3'0" x 9'0" (91 x 274 cm)	Not Required	10'0" x 10'0" (305 cm x 305 cm)
45 min.	3-1/2" (9 cm)	36" (91cm)	36" (91 cm)	18 or 20	Wire	Neutral (91 x 274 cm)	3'0" x 9'0"	Not Required	10'0" x 10'0" (305 cm x 305 cm)
45 min.	3-1/2" (9 cm)	36" (91cm)	94" (239 c)	18 or 20	Ceramic	Neutral	3'0" x 9'0" (91 x 274 cm)	Listed	10'0" x 10'0" (305 cm x 305 cm)
45 min.	3-1/2" (9 cm)	24" (61 cm)	106" (269cm)	18 or 20	Wire	Positive	3'0" x 9'0" (91 x 274 cm)	Listed	10'0" x 10'0" (305 cm x 305 cm)
45 min.	3-1/2" (9 cm)	36" (91 cm)	94" (239 cm)	18 or 20	Ceramic	Positive	3'0" x 9'0" (91 x 274 cm)	Listed	10'0" x 10'0" (305 cm x 305 cm)



WARRANTY

The Warranty for Steel Frames manufactured by REDIFRAME® PRODUCTS DIVISION is to the original consumer purchaser to be free from defects in material and workmanship for a period of one (1) year from the date of purchase.

This warranty is applicable only when the product(s) covered by it have been installed in accordance with the recommended written installation instructions of REDIFRAME® PRODUCTS DIVISION and with established building practices, have been accorded treatment which is considered good practice in the building industry regarding storage and maintenance, and have been subject only to normal use. Because REDIFRAME® PRODUCTS DIVISION cannot control the manner in which its products are handled after leaving its premises, this warranty does not apply to the finish or accessories of any product.

ANY AND ALL IMPLIED WARRANTIES HERETO ARE LIMITED TO ONE (1) YEAR FROM THE DATE OF PURCHASE.

Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you. In

the event the original consumer purchaser of any REDIFRAME® product believes that the frame or any parts thereof covered by this warranty are defective, a letter outlining the alleged defect should be sent postage prepaid to the following address:

REDIFRAME® PRODUCTS DIVISION
Division of the Dunbarton Corporation
P.O. Box 8577 Dothan, Alabama 36304-0577

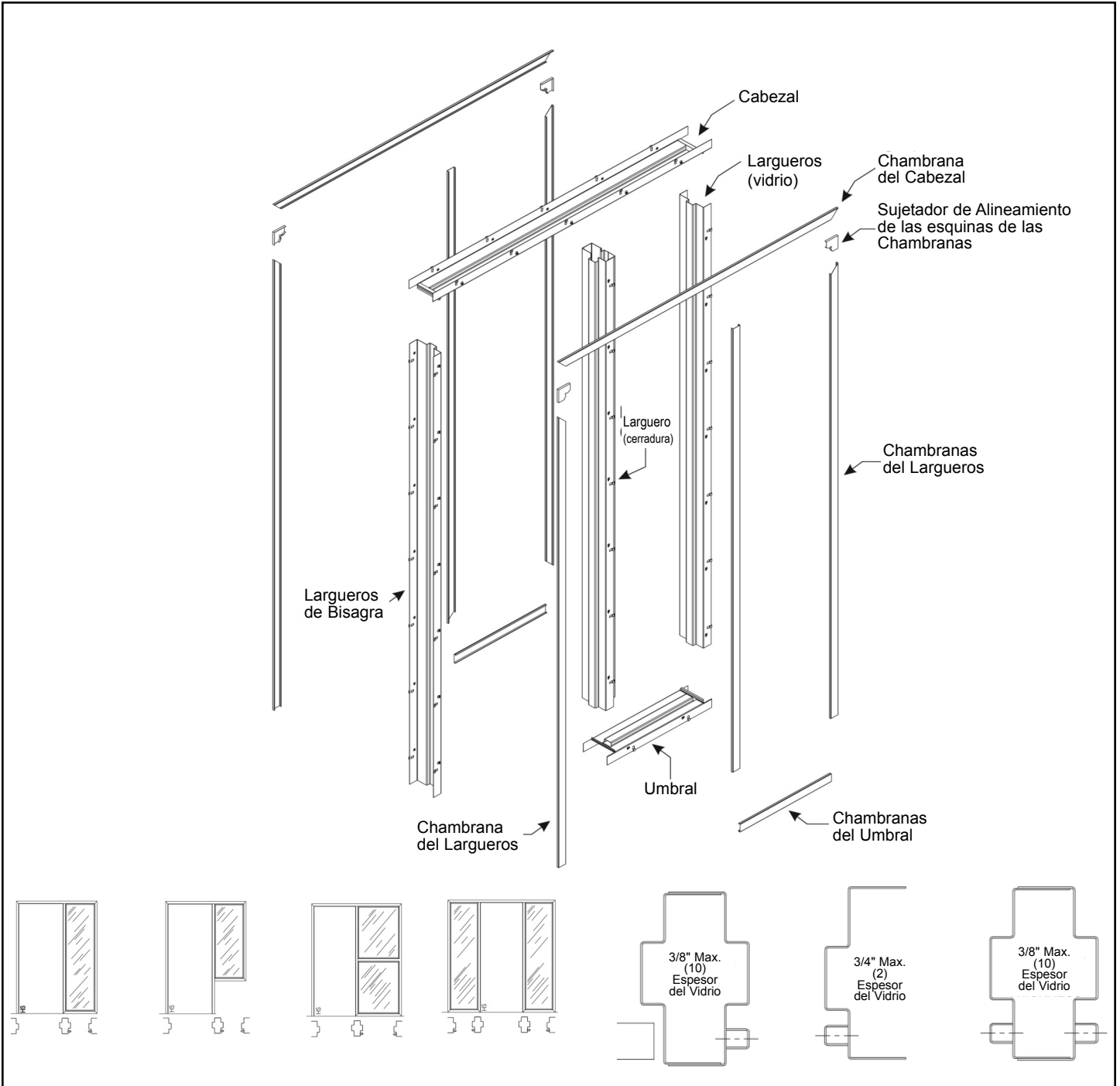
Any REDIFRAME® Products Steel Frame, or any parts thereof covered by this warranty which, upon inspection by an authorized representative of REDIFRAME® PRODUCTS DIVISION, are found by said representative to be defective will be repaired, replace, or at the option of REDIFRAME® PRODUCTS DIVISION, the purchase price of the frame or part will be refunded and does not include labor, installation costs, finishing costs, or indirect or consequential damages of any nature. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.



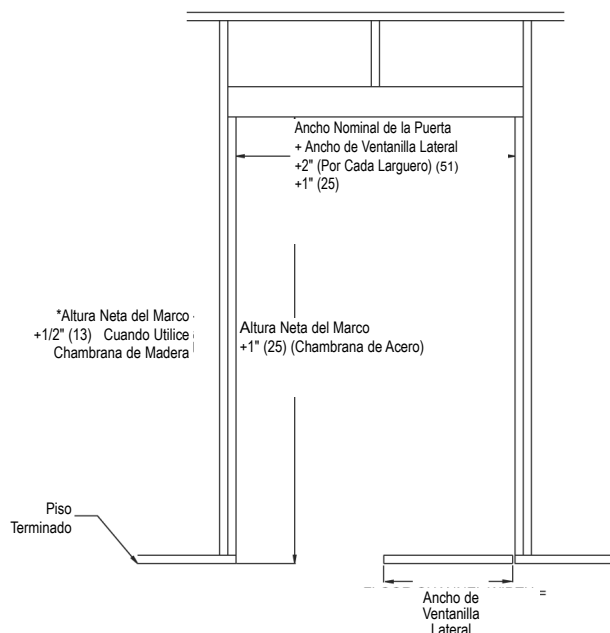
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PROCEDIMIENTO DE INSTALACION DE VENTANILLA LATERAL

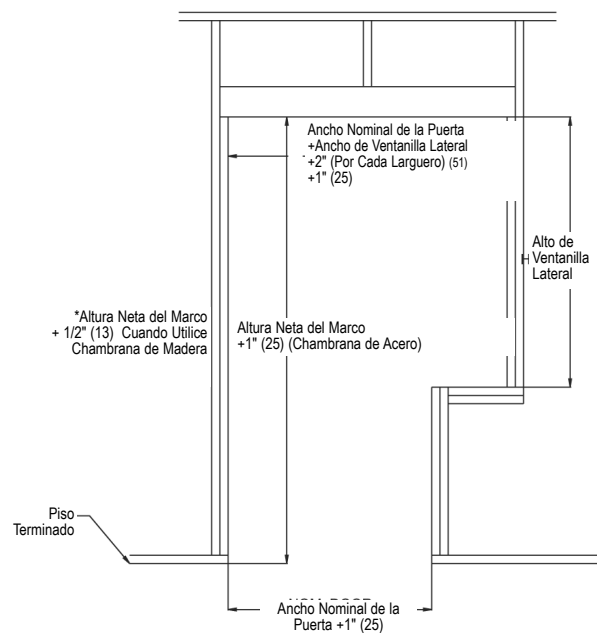


ANTES DE EMPEZAR

FAVOR DE SEGUIR TODAS LAS INSTRUCCIONES Y UTILIZAR EQUIPO DE PROTECCION DE OJOS CUANDO INSTALE UN SISTEMA DE PUERTAS. FAVOR DE LEER COMPLETAMENTE LAS INSTRUCCIONES.



Abertura Bruta de la Ventanilla Lateral



Abertura Bruta Parcial de la Ventanilla Lateral

FIGURA 1

ABERTURA BRUTA

(Figura 1) Paso 1

Verifique que la abertura este a plomo, cuadrada y nivelada. Para determinar la abertura bruta, añada el ancho de la puerta al ancho de la lamina de cristal y añada 3 pulgadas para el ancho bruto de la abertura.

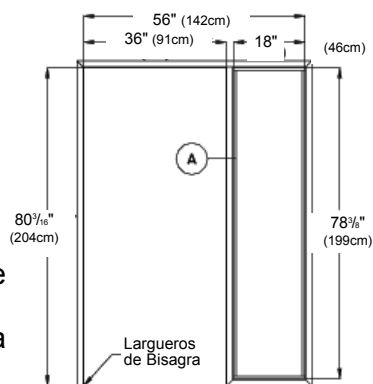


FIGURA 2

(Ejemplo: 36" (91cm) + 2" (5cm) [larguero] + 18" (46cm) + 1" (3cm) = 57" (145cm) ancho. (Fig. 2)

Paso 2

Añada 1" a la altura neta del marco para la altura bruta de la abertura.
(Ejemplo: 80" (203cm) + 1" (3cm) = 81" (206cm) altura)

Instalación del Umbral

(Figura 1) Paso 1

Para la instalación de la ventanilla lateral; se requiere un umbral. Este debe de ser un 2x estándar cortado a el ancho neto de la pared.

(Ejemplo: ancho de la ventanilla lateral 18" [46cm]; ancho del umbral: 18" [46cm])

Paso 3

Instale el umbral al piso junto al poste del lado del largueros del vidrio.

Instalación del Sujetador del Larguero

Paso 1

Determine la línea central del larguero y trace una línea a lo largo del cierre de la puerta. (Figura 3)

Importante: Todas las medidas deben ser hechas del mismo extremo de las secciones del marco en la posición instalada.

Paso 2

Posicione el ancón del larguero de modo que la línea trazada se centralice en la ventanilla en forma de diamante y la pestaña hundida descansa firmemente en contra del cierre del reborde de 1 3/4" (4cm) y 1 3/8" (3cm). (Figura 4)

Paso 3

Instale los tornillos como se demuestra. (Figura 5)

Instalación del Marco

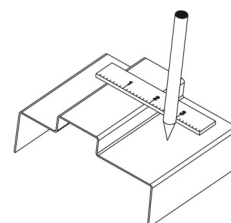


FIGURA 3

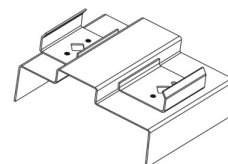


FIGURA 4

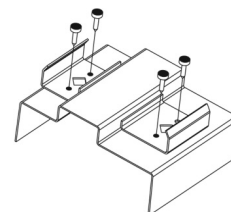


FIGURA 5

Paso 1

Instale la manga de cabezal sobre la pared. (Fig. 6).

Paso 2

Instale la manga del cabezal inferior sobre el umbral.

Paso 3

Instale la manga del largueros sobre la pared (Fig. 7).

Paso 4

Posicione el poste del largueros (Fig. 8).

Paso 5

Hale el cabezal hacia abajo hasta que se sujeten con las secciones de largueros mediante las pestañas de alineamiento y encajando el poste del larguero firmemente al ancón. (Fig. 9).

Paso 6

Con un tornillo auto penetrante conecte el sujetador de larguero a larguero (Fig. 10) en ambos lados.

Paso 7

Instale la puerta y verifique que este cuadrado.



FIGURA 6



FIGURA 7

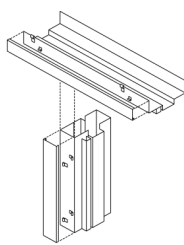


FIGURA 8

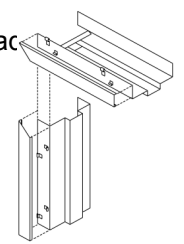


FIGURA 9

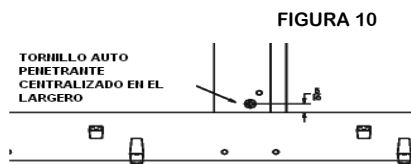


FIGURA 10

Instrucciones de Anclaje

Construcción de pared: (Fig. 11) Postes de Madera y Pared de Piedra Seca

Anclajes Recomendados para el Marco: 1-1/4" (3cm) Min. Tornillos para Pared de Piedra Seca, Estrías Separadas.

Construcción de Pared: (Fig. 12) Postes de Acero y Pared de Piedra Seca

Anclaje recomendado para el Marco: 1-1/4" (3cm) (min.) Tipo "S" Auto penetrante de Cabeza Tipo Trompeta.

Ancle la unidad a la pared como sigue: (Fig. 13):

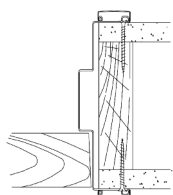


FIGURA 11

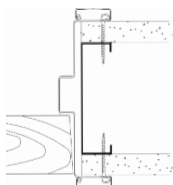


FIGURA 12

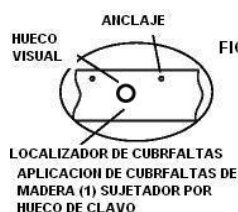
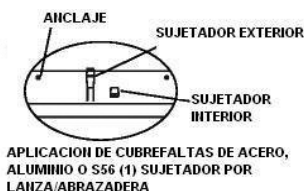


FIGURA 13



Paso 1

Para Asegurar el Cabezal, asegure el cabezal arriba del larguero de bisagra y proceda al lado del larguero de cerradura. Aplique (1) sujetador por hueco de clavo. (Fig. 14)

Paso 2

Para asegurar el umbral, aplique un sujetador por hueco de clavo.

Paso 3

Para asegurar el larguero de bisagra, proceda hacia abajo desde la esquina superior del larguero de bisagra. Aplique (1) sujetador por hueco de clavo. (Fig. 14).

Paso 4

Para asegurar el larguero (vidrio), proceda desde la esquina del larguero de vidrio. Aplique (1) sujetador por hueco de clavo.

Paso 5

Instale el vidrio, vidriado y reborde del vidrio. (Fig. 15) Véase la tabla de clasificación de fuego para la aplicación del material de vidriado correcto. (pag. 4). (Fig. 16)

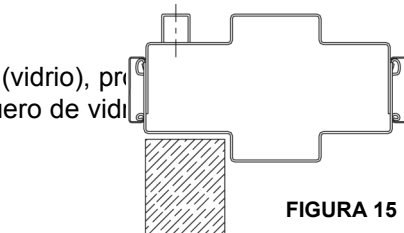


FIGURA 15

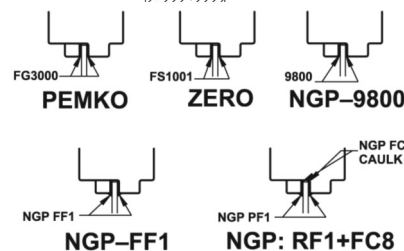


FIGURA 16

Paso 6

Aplique la chambrana tomando cuidado de engancharlo sobre el sujetador exterior, gire y enganche sobre el sujetador interior. No lo fuerce simultáneamente sobre ambas esquinas del sujetador. (Fig. 17, 18, 19)

Para remover la chambranas, utilice un destornillador común pequeño con



FIGURA 17



FIGURA 18



FIGURA 19

punta plana o una espátula de esparcir pasta. Empiece en la parte de abajo de la chambranas de largueros de la parte de adentro de marco. Suavemente inserte la punta del destornillador hacia arriba del chambranas hasta el primer corte de lanza. Rote el destornillador en dirección en contra de las manecillas del reloj. El chambranas se desprenderá de adentro de la curva de la lanza. Repita este procedimiento con los cortes de lanza restantes. Después que todos los cortes de lanza interiores hayan sido despegados, suavemente saque el chambranas de abajo del corte de lanza exterior y remueva.

CLASIFICACIONES DE FUEGO

CONJUNTO DE VENTANILLA LATERAL TRAGALUZ 45 MINUTOS (1-3/4" [44 cm] PUERTAS) UL 10B (PRESION NEUTRAL) and UL 10C (PRESION POSITIVA)

TAMAÑO MAXIMO DE CONJUNTO: 10' X 10' (305cm x 305 cm)

CLASIFICACION	TAMAÑO PARED MIN	ANCHO MAX VIDRIO	ALTO MAX VIDRIO	CALIBRE DE MARCO	DE TIPO VIDRIO	PRUEBE el ESTANDAR	TAMAÑO MAX DE PUERTA	MATERIAL DE VIDRIADO	TAMAÑO MAX DEL CONJUNTO
45 min.	3-1/2" (9 cm)	24" (61 cm)	106" (269 cm)	18 or 20	Wire	Neutral	3'0" x 9'0" (91 x 274 cm)	Not Required	10'0" x 10'0" (305 cm x 305 cm)
45 min.	3-1/2" (9 cm)	36" (91cm)	36" (91 cm)	18 or 20	Wire	Neutral	3'0" x 9'0" (91 x 274 cm)	Not Required	10'0" x 10'0" (305 cm x 305 cm)
45 min.	3-1/2" (9 cm)	36" (91cm)	94" (239 cm)	18 or 20	Ceramic	Neutral	3'0" x 9'0" (91 x 274 cm)	Listed	10'0" x 10'0" (305 cm x 305 cm)
45 min.	3-1/2" (9 cm)	24" (61 cm)	106" (269cm)	18 or 20	Wire	Positive	3'0" x 9'0" (91 x 274 cm)	Listed	10'0" x 10'0" (305 cm x 305 cm)
45 min.	3-1/2" (9 cm)	36" (91 cm)	94" (239 cm)	18 or 20	Ceramic	Positive	3'0" x 9'0" (91 x 274 cm)	Listed	10'0" x 10'0" (305 cm x 305 cm)



GARANTIA

La garantía de marcos de acero manufacturados por la División de Productos Rediframe garantiza al comprador consumidor original que el producto estará libre de defectos en material o mano de obra por un periodo de un año desde la fecha de compra.

Esta garantía aplica solamente cuando los productos que esta cubre hayan sido instalados de acuerdo con las instrucciones escritas recomendadas de la División de Productos REDIFRAME® basadas en prácticas de construcción establecidas, se le hayan aplicado el tratamiento el cual es considerado como buena práctica en la industria de la construcción en cuanto al almacenamiento y mantenimiento, y hayan sido sujetos solamente a uso normal. La División de Productos REDIFRAME® no tiene control de la manera que sus productos sean tratados después que hayan sido despachados de sus facilidades, por eso, esta garantía no aplica a la terminación o accesorios de cualquier producto.

CUALQUIER Y TODAS LAS GARANTIAS IMPLICADAS QUE APLIQUEN SON LIMITADAS A UN (1) AÑO DESDE LA FECHA DE COMPRA.

Algunos estados no permiten limitaciones en cuanto a la duración de una garantía implicada, de modo que esta limitación mencionada puede que no le aplique a usted.

En el evento que el comprador consumidor original de cualquier producto REDIFRAME®, crea que el marco o parte de él, cubierto por esta garantía está defectuoso, deberá enviar una carta, libre de pago, describiendo el alegado defecto a:

REDIFRAME PRODUCTS DIVISION
Division of the Dunbarton Corporation
P.O. Box 8577 Dothan, Alabama 36304-0577

Cualquier marco de acero para puerta de la División de Productos REDIFRAME® o cualquiera de sus partes cubierta por esta garantía el cual sea inspeccionado por un representante autorizado de la División de Productos REDIFRAME® y sea encontrado defectuoso, será reparado, reemplazado o bajo opción de la División de Productos REDIFRAME®, el precio de compra del marco o parte del mismo será reembolsado. La obligación está limitada a reparar, reemplazar o reembolsar el valor que no incluye mano de obra, costos de instalación o daños indirectos o consecuentes de ninguna naturaleza. Algunos estados no permiten la exclusión o limitación de daños incidentales o consecuentes, de modo que esta limitación o exclusión puede que no le aplique a usted.

Esta garantía le concede derechos específicos y usted puede tener otros derechos también los cuales varían de estado a estado.

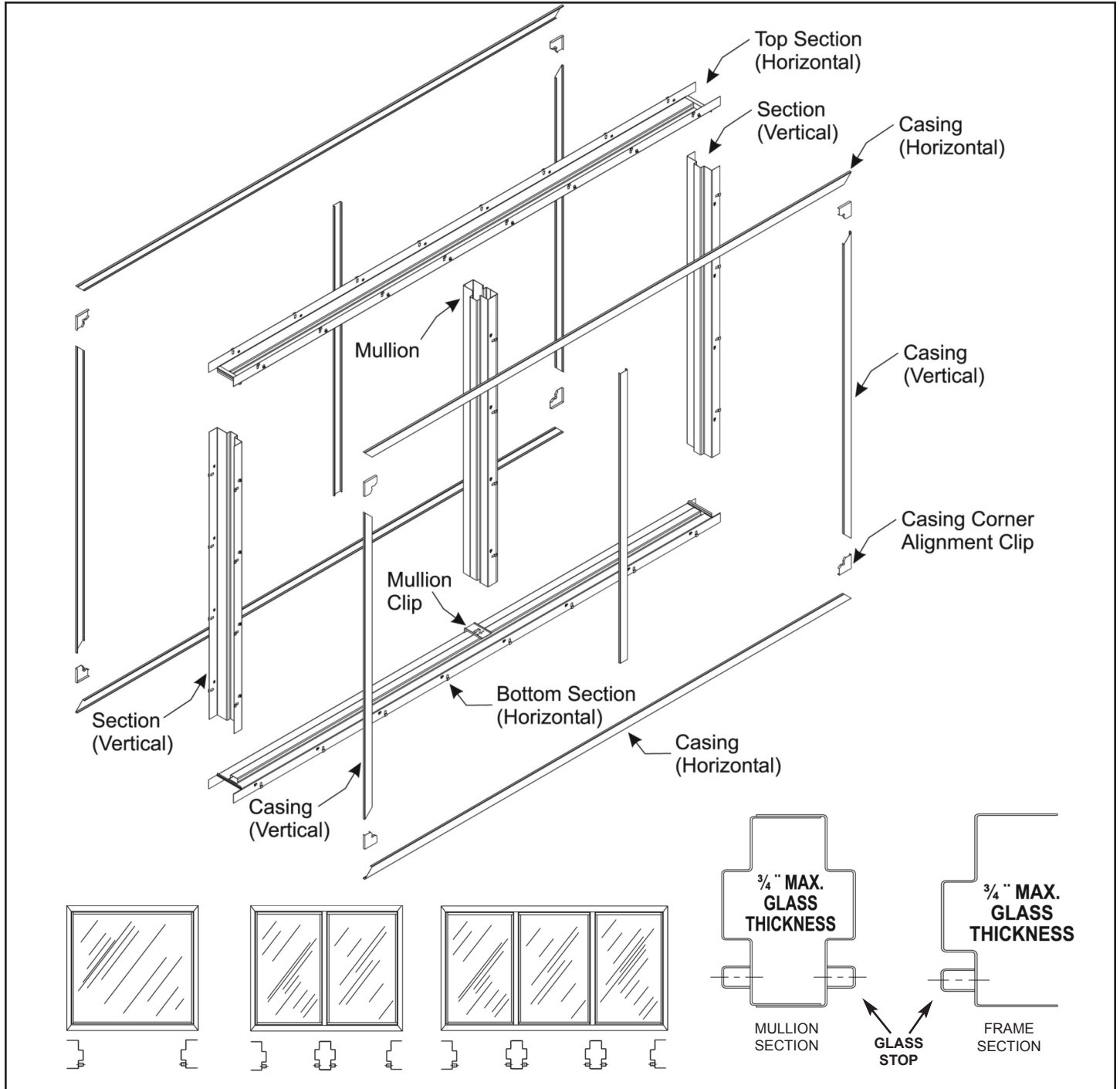
Todos los incrementos se enseñan en paréntesis milímetros a menos que se indique. Dimensiones imperiales y métricas puede que no sean equivalentes.



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PN 61270045 RF405 Rev. 08.2014

BORROWED LITE INSTALLATION PROCEDURE



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BEFORE YOU BEGIN

PLEASE FOLLOW ALL INSTRUCTIONS AND ALWAYS USE PROTECTIVE EYEWEAR WHEN INSTALLING A DOOR SYSTEM. PLEASE READ INSTRUCTIONS COMPLETELY.

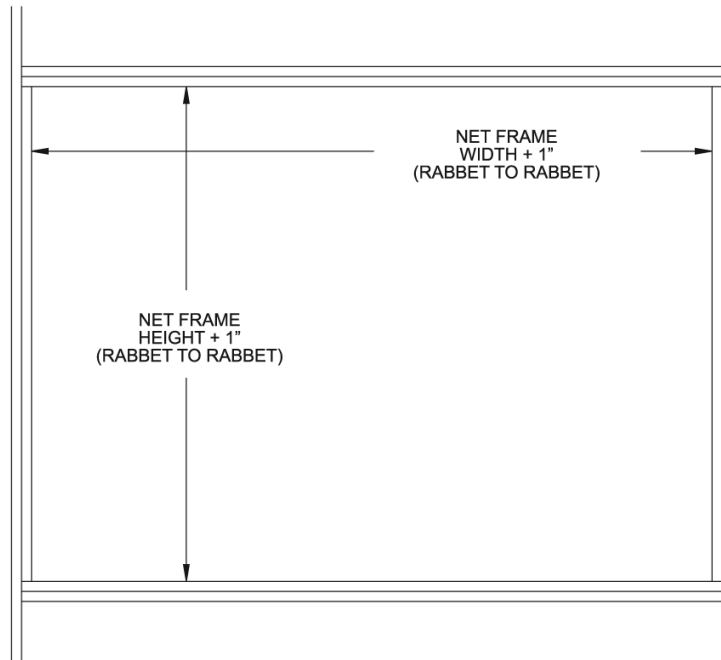


FIGURE 1

BORROWED LITE ROUGH OPENING

Rough Opening (Figure 1)

Step 1

Verify that the opening is plumb, square and level.

Vertical Mullion:

Add 1" (once only) to total of the combined glass sizes in width. Then add 2" more for each mullion used. Add 1" to height of glass size.

(Example: 36"+36"+2" [mullion] + 1" = 75" W; 48"+1" = 49" H.) (Figure 2)

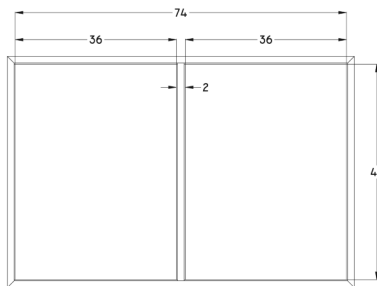


FIGURE 2

Mullion Clip Installation

Step 1

Select frame members that will receive mullion brackets (head and sill). Determine center line of mullion and scribe a line across the rabbets. (Figure 3)

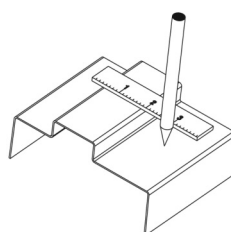


FIGURE 3

Important: All measurements should be made from the same end of the frame sections in the installed position.

Step 2

Position mullion bracket so scribe line centers in diamond window and the depressed tab rests firmly against the stop on the 1-3/4" and 1-3/8" rabbets. (Figure 4)

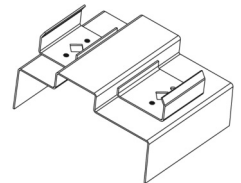


FIGURE 4

Step 3

Install screws as shown. (Figure 5)

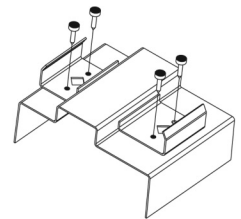


FIGURE 5

Installation of Frame

Step 1

Sleeve both top and bottom horizontal sections over wall. (Figure 6)



FIGURE 6

Step 2

Sleeve vertical members over wall. (Figure 7)

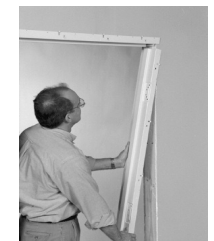


FIGURE 7

Step 3

Bring together all vertical sections with bottom horizontal section (Figure 8), locking them together with alignment tabs and fitting the mullion post firmly on to the bottom mullion bracket.

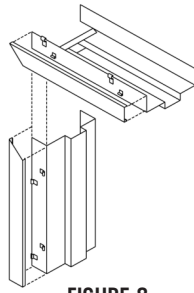


FIGURE 8

Step 4

Pull top horizontal section down to interlock with alignment tabs at sides and with mullion post. (Figure 9)

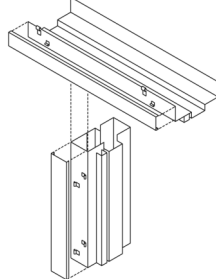


FIGURE 9

Step 5

Check for square inside corners and proceed to fasten unit to wall (See Fastening Instructions below).

Step 6

With a self-tapping screw, attach mullion to mullion clip (Figure 10) on both sides.

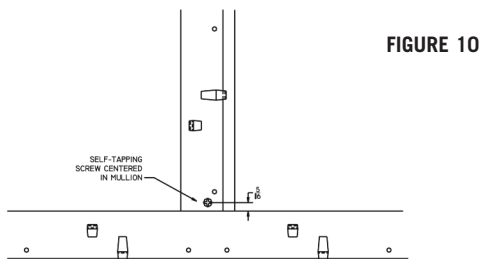


FIGURE 10

FIG. 11

Fastening Instructions

Wall Construction: (Figure 11)
Wood Studs & Drywall

Recommended Frame Fasteners:
1-1/4" Min. Drywall Screws, Coarse Thread

FIG. 12

Steel Studs: (Figure 12)

Wall Construction: (Figure 12)
Metal Studs & Drywall

Recommended Frame Fasteners:
1-1/4" (min.) Type "S" Bugle Head Self-Tapping Screws

Fasten unit to wall as follows (Figure 13):

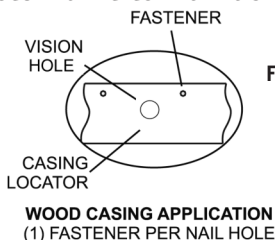
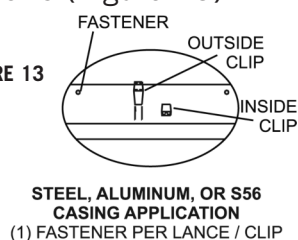


FIGURE 13



Step 1

To secure horizontal sections, apply one (1) fastener per lance / nail hole. (Figure 13/13a)



FIGURE 13a

Step 2

To secure vertical sections, apply one (1) fastener per lance / nail hole (Figure 13/13a).

Step 3

Install glass, glazing, and glass stop. (Figure 14)
See Fire Rating Chart for correct glazing material application (pg. 4).

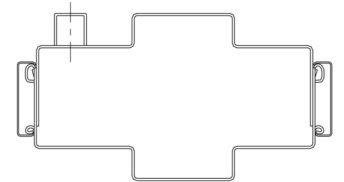


FIGURE 14

Step 4

Apply trim, taking care to hook over outside clip roll and snap over the inside clip. Do not force over both ends of clip simultaneously (Figures 15, 16, and 17).

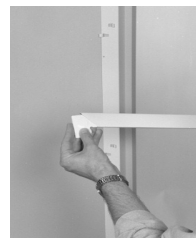


FIGURE 15



FIGURE 16



FIGURE 17

To remove casing, use a small common screwdriver with a flat edge or a stiff putty knife. Start at the bottom of the upright casing on the **inside** of the frame. Gently insert the edge of the screwdriver between the casing and the leg of the frame. Slowly work the screwdriver up the casing to the first lance. Rotate the screwdriver in a counterclockwise motion; the casing will pop off the inside curl of the lance. Repeat this procedure with remaining lances. After all inside lances have been cleared, gently ease the casing from under the **outside** lance curl and remove.

FIRE RATINGS

45- AND 60-MINUTE FIRE WINDOW FRAMES UL 10B (NEUTRAL PRESSURE) AND UL 10C (POSITIVE PRESSURE)								
RATING	MINIMUM WALL SIZE	MAXIMUM GLASS WIDTH	MAXIMUM GLASS HEIGHT	FRAME GAUGE	GLASS TYPE	TEST STANDARD	GLAZING MATERIAL	MAX. ASSEMBLY SIZE
45 min.	3-1/2"	24"	106"	18 or 20	Wire	Neutral	Not Required	10'0" x 10'0"
45 min.	3-1/2"	36"	36"	18 or 20	Wire	Neutral	Not Required	10'0" x 10'0"
60 min.	3-1/2"	36"	36"	18 or 20	Wire	Neutral	Listed	9'4" x 3'0"
45 min.	3-1/2"	24"	106"	18 or 20	Wire	Positive	Listed	10'0" x 10'0"
45 min.	3-1/2"	36"	94"	18 or 20	Ceramic	Positive	Listed	10'0" x 10'0"



WARRANTY

The Warranty for Steel Frames manufactured by REDIFRAME® PRODUCTS DIVISION is to the original consumer purchaser to be free from defects in material and workmanship for a period of one (1) year from the date of purchase.

This warranty is applicable only when the product(s) covered by it have been installed in accordance with the recommended written installation instructions of REDIFRAME® PRODUCTS DIVISION and with established building practices, have been accorded treatment which is considered good practice in the building industry regarding storage and maintenance, and have been subject only to normal use. Because REDIFRAME® PRODUCTS DIVISION cannot control the manner in which its products are handled after leaving its premises, this warranty does not apply to the finish or accessories of any product.

ANY AND ALL IMPLIED WARRANTIES HERETO ARE LIMITED TO ONE (1) YEAR FROM THE DATE OF PURCHASE.

Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you. In

the event the original consumer purchaser of any REDIFRAME® product believes that the frame or any parts thereof covered by this warranty are defective, a letter outlining the alleged defect should be sent postage prepaid to the following address:

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Division of the Dunbarton Corporation
P.O. Box 8577 Dothan, Alabama 36304-0577

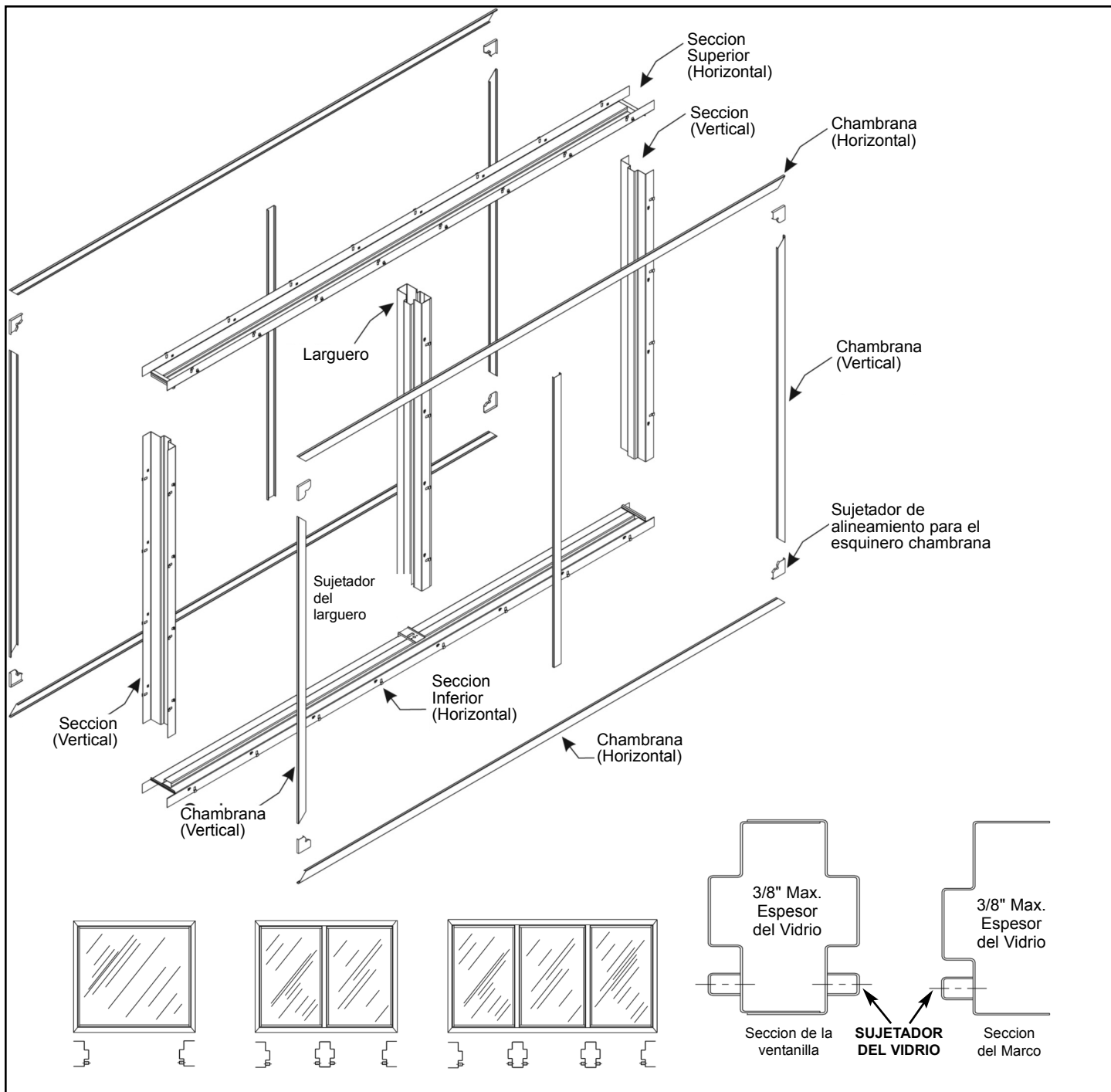
Any REDIFRAME® Products Steel Frame, or any parts thereof covered by this warranty which, upon inspection by an authorized representative of REDIFRAME® PRODUCTS DIVISION, are found by said representative to be defective will be repaired, replace, or at the option of REDIFRAME® PRODUCTS DIVISION, the purchase price of the frame or part will be refunded and does not include labor, installation costs, finishing costs, or indirect or consequential damages of any nature. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.



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PROCEDIMIENTO PARA LA INSTALACION DE VENTANILLA



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ANTES DE COMENZAR

FAVOR DE SIEMPRE SEGUIR TODAS LAS INSTRUCCIONES Y SIEMPRE USE PROTECCION PARA SUS OJOS CUANDO ESTE INSTALANDO UN SISTEMA DE PUERTAS. FAVOR DE LEER COMPLETAMENTE TODAS LAS INSTRUCCIONES.

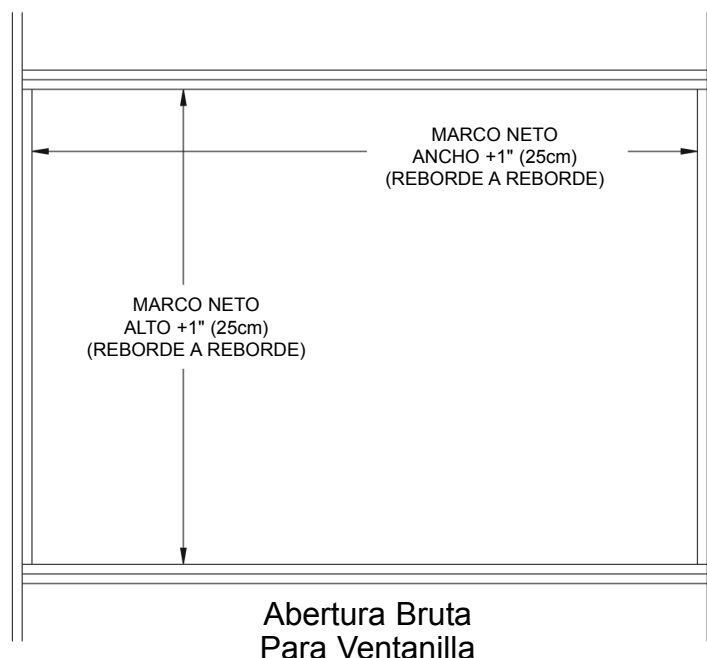


FIGURA 1

Abertura Bruta

(Figura 1)

Paso 1

Verifique que la abertura este a plomo, cuadrada y nivelada.

Larguero Vertical:

Añada 1" (25cm) (una vez solamente) al total combinado de los tamaños del ancho del cristal. Entonces añada 2" (51cm) mas por cada larguero utilizado. Añada 1" (25cm) al alto del tamaño del cristal. (Ejemplo: 36" [914cm] + 36" [914cm] + 2" [51cm] [larguero] + 1" [25cm] = 75" [1905] ancho; 48" [1219cm] + 1" [25cm] = 49" [1245cm] alto) (Figura 2)

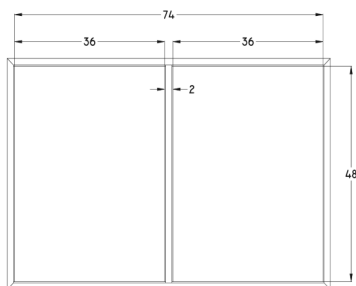


FIGURA 2

Instalación del Sujetador del Larguero

Paso 1

Seleccione los miembros del marco a donde se instalarán los ancones del larguero (cabezal y umbral). Determine el centro del larguero y trace una línea a lo largo del reborde. (Figura 3)

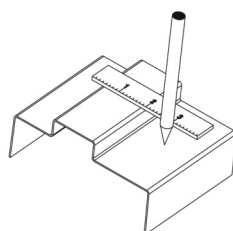


FIGURA 3

Importante: Todas las medidas deben ser hechas del mismo extremo de las secciones del marco en la posición instalada.

Paso 2

Posicione el ancón del larguero de modo que la línea trazada se centralice en la ventanilla en forma de diamante y la pestaña hundida descansen firmemente en contra del cierre del reborde de 1-3/4" (44cm) y 1-3/8" (35cm). (Figura 4)

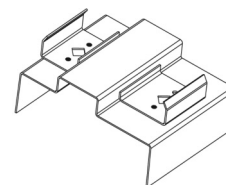


FIGURA 4

Paso 3

Instale los tornillos como se demuestra. (Figura 5)

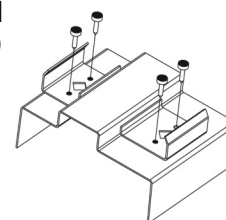


FIGURA 5

Instalación del Marco

Paso 1

Instale la manga de ambas secciones horizontales superior e inferior sobre la pared. (Figura 6)



FIGURA 6

Paso 2

Instale la manga de los miembros verticales sobre la pared. (Figura 7)

Paso 3

Una todas las secciones verticales con la sección horizontal inferior (Figura 8), hasta que se sujeten con las pestañas de alineamiento y encajando el poste del larguero firmemente al ancón.



FIGURA 7

Paso 4

Hale la sección superior horizontal hacia abajo hasta que encaje con las pestañas de alineamiento de los lados y con los postes del larguero. (Figura 9)

Paso 5

Verifique que las esquinas interiores estén cuadradas y proceda a fijar la unidad a la pared. (Vea las instrucciones para fijar abajo)

Paso 6

Con un tornillo auto penetrante conecte el sujetador del larguero al larguero (Figura 10) en ambos lados.

Instrucciones de Anclaje

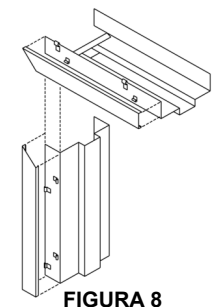


FIGURA 8

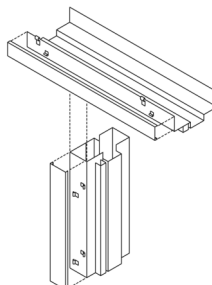


FIGURA 9

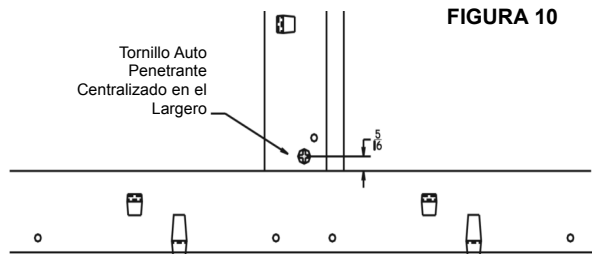
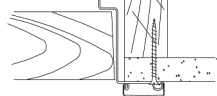


FIGURA 10

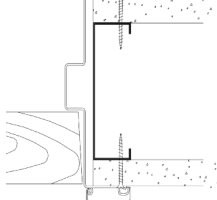
FIG. 11

Construcción de Pared: (Figura 11) Postes de madera y pared de piedra seca.



Anclajes Recomendados para el Marco: 1-1/4" (32cm) Min. Tornillos para pared de piedra seca, de estrías separadas.

FIG. 12



Postes de Acero: (Figura 12)

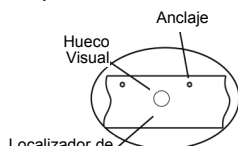
Construcción de Pared: (Figura 12) Postes de metal y pared de piedra seca.

Anclajes recomendados para el marco: 1-1/4" (32cm) (min.) Tornillo Tipo "S" auto penetrante de cabeza de trompeta.

Ancle la unidad a la pared como sigue: (Fig. 13):

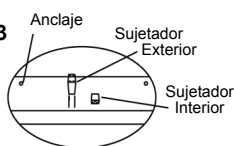
Paso 1

Para asegurar secciones horizontales, aplique un (1) anclaje por lanza/ hueco de clavo. (Figura 13/13a)



Localizador de Chambrana
Aplicación de Chambrana de Madera
(1) Sujetador Por Hueco de Clavo

FIGURA 13



Aplicación de Chambrana de Acero, Aluminio o S56 (1) Sujetador Por Lanza/Abrazadera

Paso 2

Para asegurar secciones verticales, aplique un (1) anclaje por lanza/hueco de clavo. (Figura 13/13A)

Paso 3

Instale vidrio, vidriado, y reborde del vidrio. (Figura 14) Véase la Tabla de Clasificación de Fuego para la aplicación del material de vidriado correcto. (Figura 14)

Paso 4

Aplique la chambrana tomando cuidado de engancharlo sobre el sujetador exterior, gire y enganche sobre el sujetador interior. No lo fuerce simultáneamente sobre ambas esquinas del sujetador.

(Figuras 15, 16 & 17).

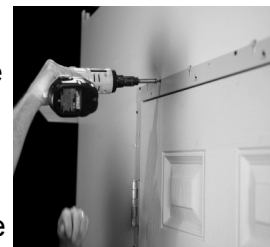


FIGURE 13a

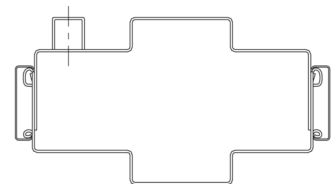


FIGURE 14



FIGURE 15



FIGURE 16



FIGURE 17

Para remover la chambrana, use un destornillador común pequeño con punta de paleta o espátula de esparcir macilla. Empiece en la parte de abajo de la chambrana del larguero en la parte de adentro del marco. Suavemente inserte la punta del destornillador hacia arriba de la chambrana hasta el primer corte de lanza. Rote el destornillador en dirección en contra de las manecillas del reloj, la chambrana se desprenderá de dentro de la curva de la lanza. Repita este procedimiento con los cortes de lanza restantes. Después que todos los cortes de lanza interior hayan sido despegados suavemente saque la chambrana de abajo del corte de lanza exterior y remueva.

CLASIFICACION DE FUEGO

MARCOS DE VENTANA - FUEGO DE 45 Y 60 MINUTOS UL 10B (PRESION NEUTRAL) AND UL 10C (PRESION POSITIVA)

CLASIFICACION	TAMAÑO DE PARED MÁXIMO	ANCHO MÁXIMO DEL VIDRIO	ALTO MÁXIMO DEL VIDRIO	GALGA DE MARCO	TIPO DE VIDRIO	NORMA DE LA PRUEBA	MATERIAL DE VIDRIADO	TAMAÑO MÁXIMO DEL CONJUNTO
45 min.	3-1/2" (9 cm)	24" (61 cm)	106" (269 cm)	18 or 20	Alambre	Neutral	No es requerido	10'0" x 10'0" (305 cm x 305 cm)
45 min.	3-1/2" (9 cm)	36" (91 cm)	36" (91 cm)	18 or 20	Alambre	Neutral	No es requerido	10'0" x 10'0" (305 cm x 305 cm)
60 min.	3-1/2" (9 cm)	36" (91 cm)	36" (91 cm)	18 or 20	Alambre	Neutral	Inscrito	9'4" x 3'0" (284 cm x 91 cm)
45 min.	3-1/2" (9 cm)	24" (61 cm)	106" (269 cm)	18 or 20	Alambre	Positiva	Inscrito	10'0" x 10'0" (305 cm x 305 cm)
45 min.	3-1/2" (9 cm)	36" (91 cm)	94" (239 cm)	18 or 20	Cerámica	Positiva	Inscrito	10'0" x 10'0" (305 cm x 305 cm)



GARANTIA

La garantía de marcos de acero manufacturados por la División de Productos REDIFRAME® garantiza al comprador consumidor original que el producto estará libre de defectos en material o mano de obra por un periodo de un año desde la fecha de compra.

Esta garantía aplica solamente cuando los productos que esta cubre hayan sido instalados de acuerdo con las instrucciones escritas recomendadas de la División de Productos REDIFRAME® basadas en prácticas de construcción establecidas, se la hayan aplicado el tratamiento el cual es considerado como buena práctica en la industria de la construcción en cuanto al almacenamiento y mantenimiento, y hayan sido sujetos solamente a uso normal. La División de Productos REDIFRAME® no tiene control de la manera que sus productos sean tratados después que hayan sido despachados de sus facilidades por eso, esta garantía no aplica a la terminación o accesorios de cualquier producto. CUALQUIER Y TODAS LAS GARANTIAS IMPLICADAS QUE APLIQUEN SON LIMITADAS A UN (1) AÑO DESDE LA FECHA DE COMPRA.

En el evento que el comprador consumidor original de cualquier producto REDIFRAME®, crea que el marco o parte de él, cubierto por

esta garantía esta defectuoso, deberá enviar una carta, sin costo, describiendo el alegado defecto a:

REDIFRAME PRODUCTS DIVISION
Division of the Dunbarton Corporation
P.O. Box 8577 Dothan, Alabama 36304-0577

Cualquier marco de acero para puerta de la División de Productos REDIFRAME® o cualquiera de sus partes cubierta por esta garantía el cual sea inspeccionado por un representante autorizado de la División de Productos REDIFRAME® y sea encontrado defectuoso, este será reparado, reemplazado o bajo opción de la División de Productos REDIFRAME®, el precio de compra del marco o parte del mismo será reembolsado. La obligación está limitada a reparar, reemplazar o reembolsar el valor que no incluye mano de obra, costos de instalación o daños indirectos o consecuentes de ninguna naturaleza. Algunos estados no permiten la exclusión o limitación de daños incidentales o consecuentes, de modo que esta limitación o exclusión puede que no le aplique a usted.

Esta garantía le concede derechos específicos y usted puede tener otros derechos también los cuales varían de estado a estado.

Todos los incrementos se enseñan en paréntesis milímetros a menos que se indique. Dimensiones imperiales y métricas puede que no sean equivalentes.



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Standard Hinge and Strike Locations Prefitting Instructions

STANDARD HARDWARE PREPS

RFS #	HEIGHT				HINGE PREP	STRIKE PREP*	DOOR THICKNESS
1	6'8"	6'9"	7'0"		1 pair 3 1/2"	2 3/4" "T"	1 3/8" Single Door
2	6'8"	6'9"	7'0"		1 pair 3 1/2"	none	1 3/8" Single Door
3	6'8"	6'9"	7'0"		1 1/2 pair 3 1/2"	2 3/4" "T"	1 3/8" Single Door
4	6'8"	6'9"	7'0"		1 1/2 pair 3 1/2"	none	1 3/8" Single Door
5	6'8"	6'9"	7'0"		1 1/2 pair 4"	ASA or 2 3/4" "T"	1 3/4" Single Door
6	6'8"	6'9"	7'0"		1 1/2 pair 4"	none	1 3/4" Single Door
7	6'8"	6'9"	7'0"		2 pair 3 1/2"	n/a	1 3/8" Pair Door
8	6'8"	6'9"	7'0"		3 pair 3 1/2"	n/a	1 3/8" Pair Door
9	6'8"	6'9"	7'0"		3 pair 4"	n/a	1 3/4" Pair Door
10	6'8"	7'0"	8'0"	10'0"	none	none	Framed With Stops; No Preps
11	6'8"	7'0"	8'0"		n/a	n/a	Cased Opening; No Stop
12	6'8"	7'0"			n/a	n/a	Pocket Door, Single Door, 1-3/8" or 1-3/4" Door
13	6'8"	7'0"			n/a	n/a	Pocket Door, Pair Doors, 1-3/8" or 1-3/4" Door
14	6'8"	7'0"			1 pair 3 1/2" x 1 1/2 pair 4"	2 3/4" "T"	Commun. Door 1 3/8" x 1 3/4", RFS 1 x RFS 5
16	6'8"	7'0"			2 pair 3 1/2"	2 3/4" "T"	Dutch Door 1 3/8"
17	7'10"	8'0"	8'4"	8'10"	2 pair 3 1/2"	2 3/4" "T"	1 3/8" Single Door
19	7'10"	8'0"	8'4"	8'10"	2 pair 4"	ASA or 2 3/4" "T"	1 3/4" Single Door
21	7'10"	8'0"	8'4"	8'10"	4 pair 3 1/2"	n/a	1 3/8" Pair Door
22	7'10"	8'0"	8'4"	8'10"	4 pair 4"	n/a	1 3/4" Pair Door
31	6'8"	6'9"	7'0"		1 1/2 pair 4 1/2"	ASA or 2 3/4" "T"	1 3/4" Single Door
32	6'8"	6'9"	7'0"		1 1/2 pair 4 1/2"	none	1 3/4" Single Door
33	6'8"	6'9"	7'0"		3 pair 4 1/2"	n/a	1 3/4" Pair Door
34	6'8"	7'0"			1 pair 3 1/2" x 1 1/2 pair 4 1/2"	2 3/4" "T"	Commun. Door 1 3/8" x 1 3/4", RFS 1 x RFS 31
35	7'10"	8'0"	8'4"	8'10"	2 pair 4 1/2"	ASA or 2 3/4" "T"	1 3/4" Single Door
36	7'10"	8'0"	8'4"	8'10"	2 pair 4 1/2"	none	1 3/4" Single Door
37	7'10"	8'0"	8'4"	8'10"	4 pair 4 1/2"	n/a	1 3/4" Pair Door
38	6'8"	7'0"			1 1/2 pair 4" x 1 1/2" pair 4"	ASA or 2 3/4" "T"	Commun. Door 1 3/4" x 1 3/4", RFS 5 x RFS 5
39	6'8"	7'0"			1 1/2 pair 4 1/2" x 1 1/2" pair 4 1/2"	ASA or 2 3/4" "T"	Commun. Door 1 3/4" x 1 3/4", RFS 31 x RFS 31
40	6'8"	7'0"			2 pair 4"	ASA or 2 3/4" "T"	Dutch Door 1 3/4"
41	6'8"	7'0"			2 pair 4 1/2"	ASA or 2 3/4" "T"	Dutch Door 1 3/4"
42	6'8"	7'0"			2 pair 3-1/2"	2-3/4" "T"	Commun. Door, 1-3/8" x 1-3/8" Door, RFS 1 x RFS 1
43	6'8"	7'0"			3 pair 3-1/2"	2-3/4" "T"	Commun. Door, 1-3/8" x 1-3/8" Door, RFS 3 x RFS 3
44	6'8"	7'0"			1-1/2 pair 3-1/2" x 1-1/2 pair 4"	2-3/4" "T"	Commun. Door, 1-3/8" x 1-3/4" Door, RFS 3 x RFS 5
45	6'8"	7'0"			1-1/2 pair 3-1/2" x 1-1/2 pair 4-1/2"	2-3/4" "T"	Commun. Door, 1-3/8" x 1-3/4" Door, RFS 3 x RFS 31
46	7'10"	8'0"	8'4"	8'10"	4 pair 4-1/2"	ASA or 2-3/4" "T"	Commun. Door, 1-3/4" x 1-3/4" Door, RFS 35 x RFS 35

***NOTE:** 1-3/4" Single swing doors available with 2-3/4" adjustable T-Strike prep or 4-7/8" ASA strike. **Please specify when ordering.**



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3	Table of Contents
4	Standard Frame Sizes / Hinge and Strike Specifications
5	1-3/8" Door with 1 pair 3-1/2" Hinges
6	1-3/8" Door with 1-1/2 pair 3-1/2" Hinges
7	1-3/8" Door with 2 pair 3-1/2" Hinges
8	1-3/4" Door with 1-1/2 pair 4" Hinges
9	1-3/4" Door with 2 pair 4" Hinges
10	1-3/4" Door with 1-1/2 pair 4-1/2" Hinges
11	1-3/4" Door with 2 pair 4-1/2" Hinges
12	Dutch Door Prep; 1-3/8" Door with 2 Pair of 3-1/2" Hinges
13	Dutch Door Prep; 1-3/4" Door with 2 Pair of 4" Hinges
14	Dutch Door Prep; 1-3/4" Door with 2 Pair of 4-1/2" Hinges
15	1-3/4" Door with 1-1/2 pair 5" Hinges

STANDARD FRAME SIZES

WIDTHS (SINGLES)	1'6" 3'0"	1'8" 3'4"	2'0" 3'6"	2'4" 3'8"	2'6" 4'0"	2'8"	2'10"
WIDTHS (PAIRS)	4'0"	4'6"	5'0"	5'4"	5'6"	6'0"	
HEIGHTS	6'8" (80-3/16")	6'9" (81-3/16")	7'0" (84-3/16")	7'10" (94-3/16")	8'0" (96-3/16")	8'4" (100-3/16")	8'10" (106-3/16")

HINGE PREP SPECIFICATIONS

FRAME TYPE				HINGE SIZE	TYPE	FRAME DEPTH	PATTERN	SCREW SIZE	DOOR THICKNESS
RF	KRF	RFX	KRFX						
Std	–	–	–	3-1/2"	1/4" RADIUS CORNER	.120	TEMPLATE	#10-24 MS	1-3/8"
Opt/ NC	–	–	–	3-1/2"	5/8" RADIUS CORNER	.120	TEMPLATE	#10-24 MS	1-3/8"
Std	Std	Std	Std	4"	1/4" RADIUS CORNER	.125	TEMPLATE	#12-24 MS	1-3/4"
Opt/ NC	Opt/ NC	Opt/ NC	Std	4"	5/8" RADIUS CORNER	.115	TEMPLATE OR NON-TEMPLATE	#10-24 MS	1-3/4"
Std	Std	Std	Std	4-1/2"	SQUARE CORNER	.134	TEMPLATE	#12-24 MS	1-3/4"
Opt/ Upchg	Opt/ Upchg	–	–	4-1/2" Heavyweight	SQUARE CORNER	.180	TEMPLATE	#12-24 MS	1-3/4"
Opt/ Upchg	Opt/ Upchg	–	–	5"	SQUARE CORNER	.145	TEMPLATE	#12-24 MS	1-3/4"
General Notes: RF = Standard Rediframe KRF = Kerf Rediframe RFX = Standard Rediflex KRFX = Kerf Rediflex									
Note: See machining instructions for recommended door hinge backsets.									

STRIKE PREP SPECIFICATIONS

FRAME TYPE				STRIKE SIZE	TYPE	FRAME DEPTH	SCREW SIZE	DOOR THICKNESS
RF	KRF	RFX	KRFX					
Std	–	–	–	1-1/4" X 2-3/4"	ADJUSTABLE "T" STRIKE EMBOSS	.110	#8-32 ST	1-3/8"
Std	Std	Std	Std	1-1/4" X 2-3/4"	ADJUSTABLE "T" STRIKE EMBOSS	.110	#8-32 ST	1-3/4"
Std	Std	Std	Std	1-1/4" X 4-7/8"	ADJUSTABLE ASA STRIKE EMBOSS (1-3/4" DOORS ONLY) (PATENTED)	.125	#12-24 MS	1-3/4"
Opt/ Upchg	Opt/ Upchg	Opt/ Upchg	Opt/ Upchg	1-1/8" X 2-3/4"	DEADBOLT STRIKE EMBOSS (1-3/4" DOORS ONLY)	.110	#8-32 ST	1-3/4"
Opt/ NC	Opt/ NC	Opt/ NC	Opt/ NC	1-1/2" X 2-1/4"	FULL LIP STRIKE	.110	#8-32 ST	1-3/4"

STANDARD HINGE AND STRIKE LOCATIONS

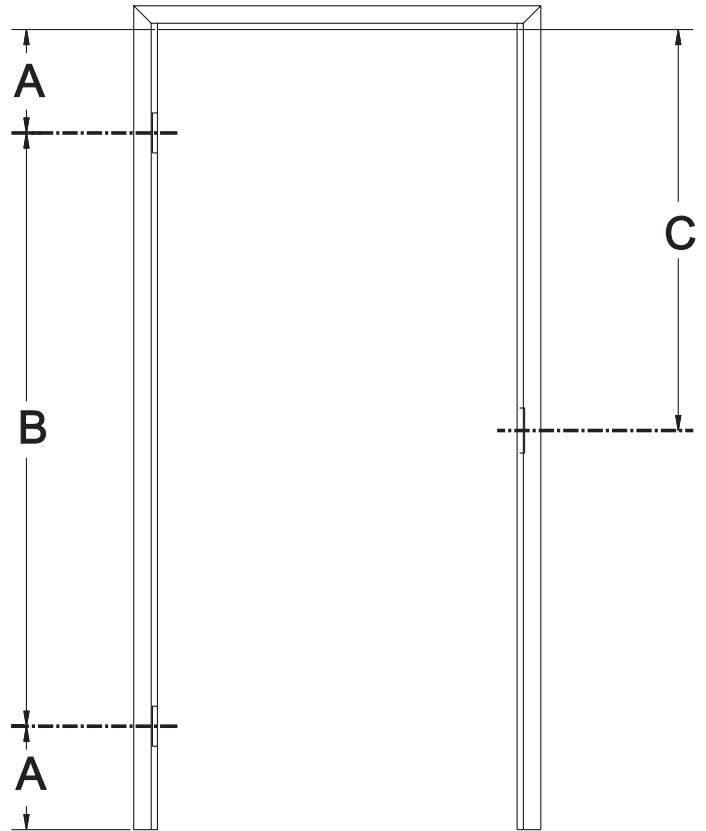
1-3/8" DOOR WITH 1 PAIR OF 3-1/2" HINGES

NET FRAME DIMENSIONS

RFS 1, RFS 2, RFS 7

NOM HGT.	NET HGT.	"A"	"B"	"C"
5'-0	60-3/16	10-3/32	40	20-3/32
5'-2	62-3/16	10-3/32	42	22-3/32
5'-6	66-3/16	10-3/32	46	26-3/32
6'-0	72-3/16	10-3/32	52	32-3/32
6'-2	74-3/16	10-3/32	54	34-3/32
6'-4	76-3/16	10-3/32	56	36-3/32
6'-8 Reversible	80-3/16	10-3/32	60	40-3/32+
6'-9	81-3/16	10-3/32	61	41-3/32
7'-0	84-3/16	10-3/32	64	44-3/32
7'-2	86-3/16	10-3/32	66	46-3/32
7'-4	88-3/16	10-3/32	68	48-3/32
+ Reversible Frame				

DOOR PREFITTING: Deduct 3/32" from dimensions "A" and "C" for clearances.

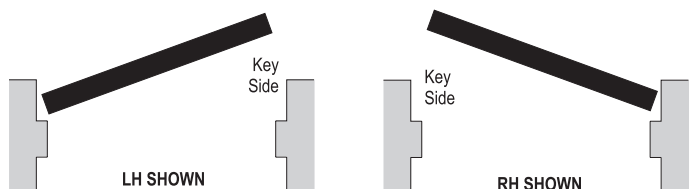
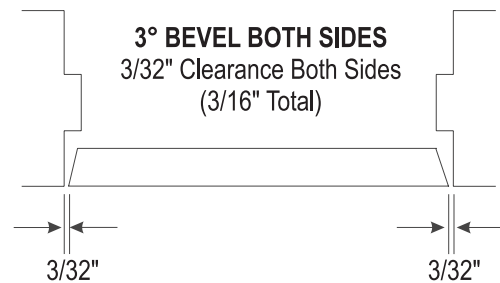
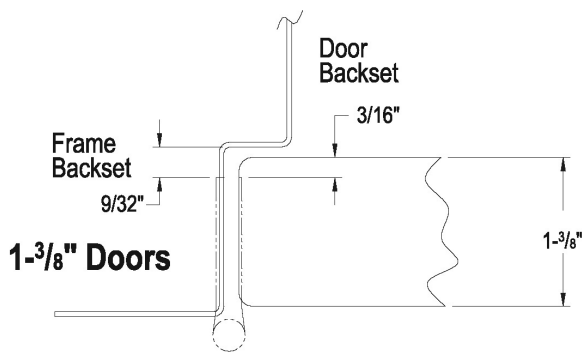


DOOR INFORMATION:

Hinge Backset = 3/16"

Hinge Depth = Per Template

Template hinge pattern only; 1/4" or 5/8" radius





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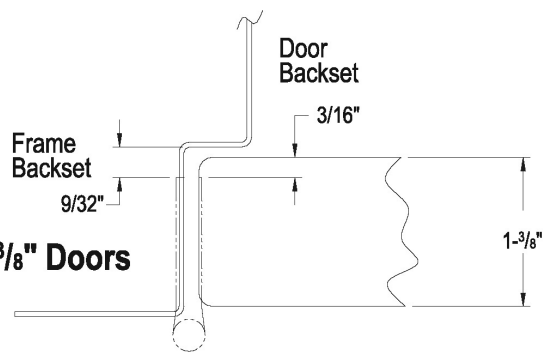
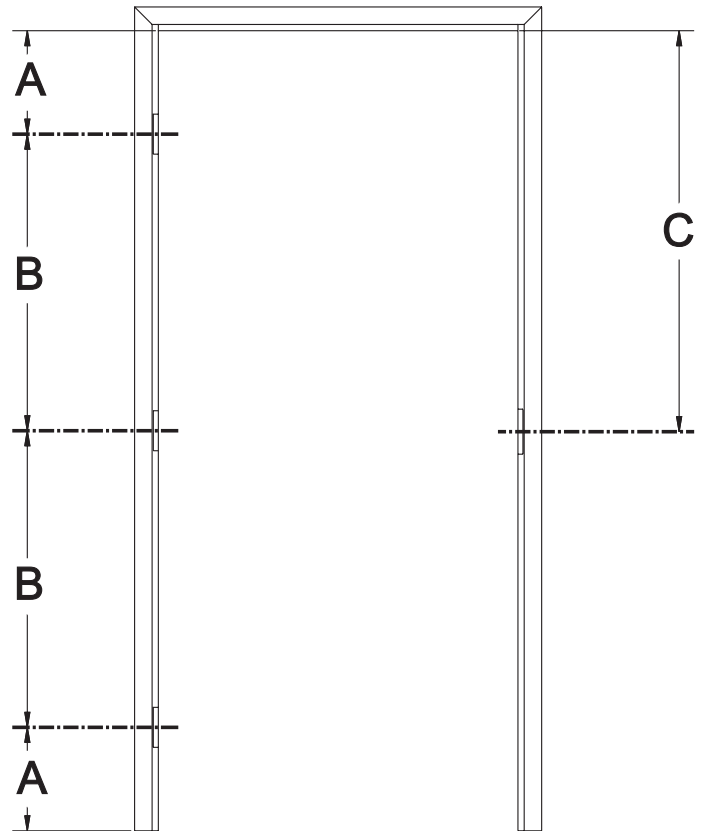
1-3/8" DOOR WITH 1-1/2 PAIR OF 3-1/2" HINGES

NET FRAME DIMENSIONS

RFS 3, RFS 4, RFS 8

NOM HGT.	NET HGT.	"A"	"B"	"C"
5'-0	60-3/16	10-3/32	20	20-3/32
5'-1	61-3/16	10-3/32	20-1/2	21-3/32
5'-2	62-3/16	10-3/32	21	22-3/32
5'-4	64-3/16	10-3/32	22	24-3/32
6'-0	72-3/16	10-3/32	26	32-3/32
6'-8 Reversible	80-3/16	10-3/32	30	40-3/32+
6'-9	81-3/16	10-3/32	30-1/2	41-3/32
7'-0	84-3/16	10-3/32	32	44-3/32
7'-4	88-3/16	10-3/32	34	48-3/32
7'-6	90-3/16	10-3/32	35	50-3/32
+ Reversible Frame				

DOOR PREFITTING: Deduct 3/32" from dimensions "A" and "C" for clearances.

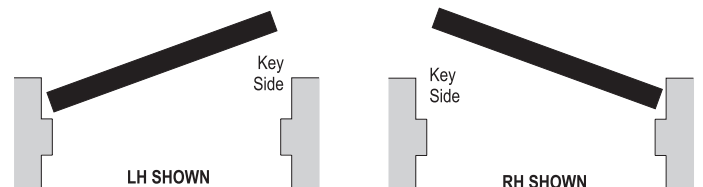
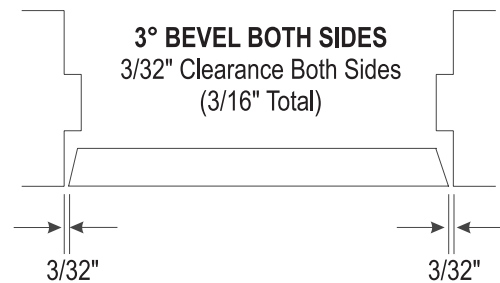


DOOR INFORMATION:

Hinge Backset = 3/16"

Hinge Depth = Per Template

Template hinge pattern only; 1/4" or 5/8" radius



STANDARD HINGE AND STRIKE LOCATIONS

1-3/8" DOOR WITH 2 PAIR OF 3-1/2" HINGES

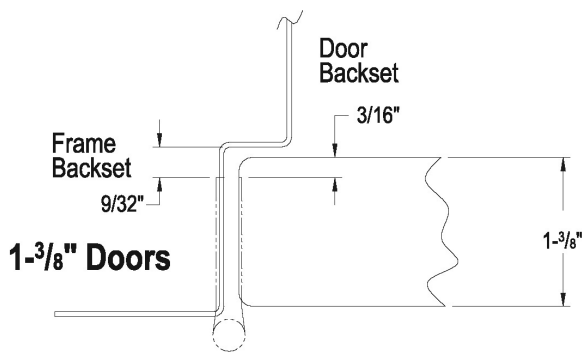
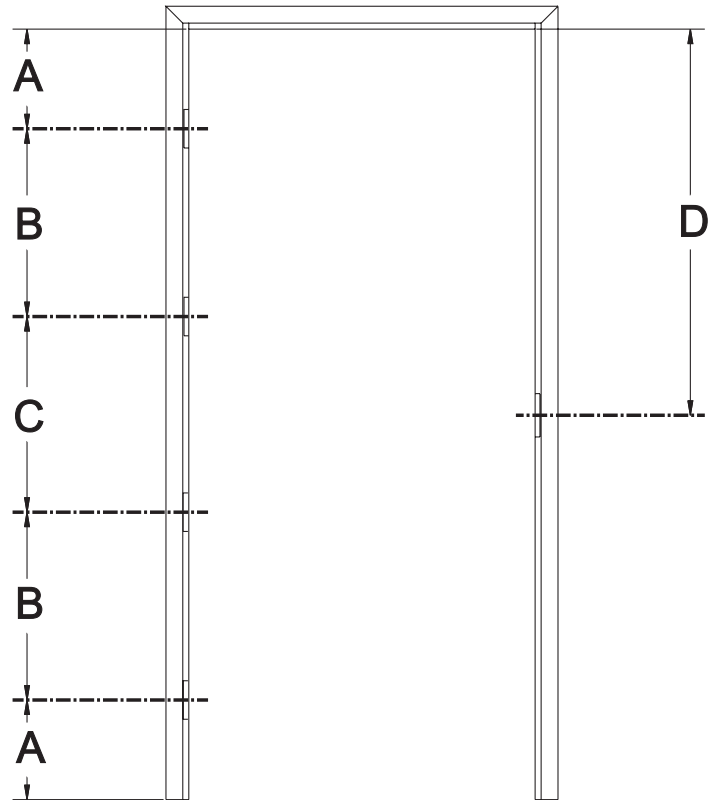
NET FRAME DIMENSIONS

RFS 17, RFS 21

NOM HGT.	NET HGT.	"A"	"B"	"C"	"D"
6'-0	72-3/16	10-3/32	17-1/4	17-1/2	32-3/32
6'-8 Reversible	80-3/16	10-3/32	20	20	40-3/32+
6'-9	81-3/16	10-3/32	20-1/4	20-1/2	41-3/32
6'-10	82-3/16	10-3/32	20-1/2	21	42-3/32
7'-0	84-3/16	10-3/32	21-1/4	21-1/2	44-3/32
7'-2	86-3/16	10-3/32	22	22	46-3/32
7'-4	88-3/16	10-3/32	22-1/2	23	48-3/32
7'-6	90-3/16	10-3/32	23-1/4	23-1/2	50-3/32
7'-8	92-3/16	10-3/32	24	24	52-3/32
7'-10	94-3/16	10-3/32	24-1/2	25	54-3/32
8'-0	96-3/16	10-3/32	25-1/4	25-1/2	56-3/32
8'-2	98-3/16	10-3/32	26	26	58-3/32
8'-4	100-3/16	10-3/32	26-1/2	27	60-3/32
8'-6	102-3/16	10-3/32	27-1/4	27-1/2	62-3/32
8'-8	104-3/16	10-3/32	28	28	64-3/32
8'-10	106-3/16	10-3/32	28-1/2	29	66-3/32
9'-0	108-3/16	10-3/32	29-1/4	29-1/2	68-3/32

+ Reversible Frame

DOOR PREFITTING: Deduct 3/32" from dimensions "A" and "C" for clearances.

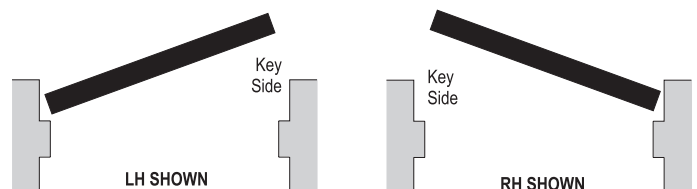
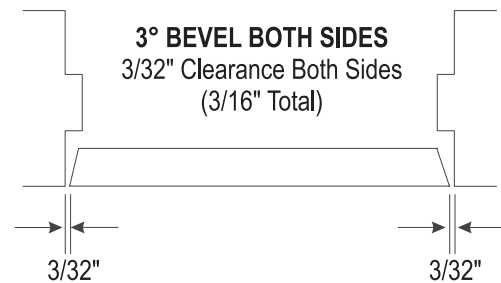


DOOR INFORMATION:

Hinge Backset = 3/16"

Hinge Depth = Per Template

Template hinge pattern only; 1/4" or 5/8" radius





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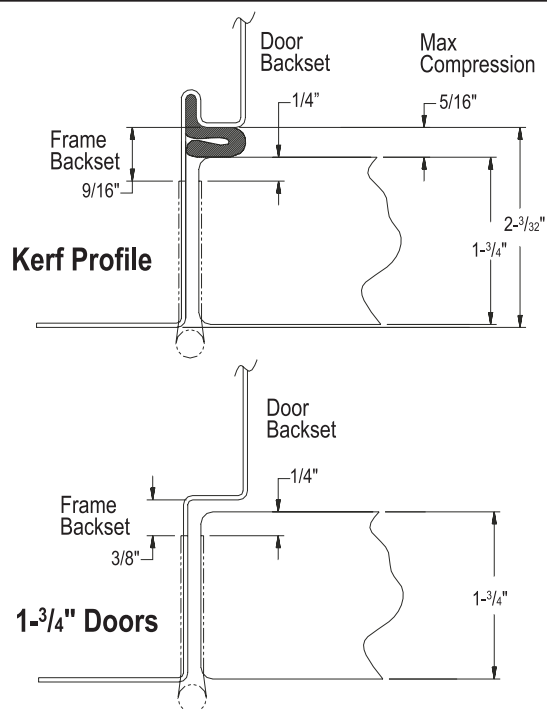
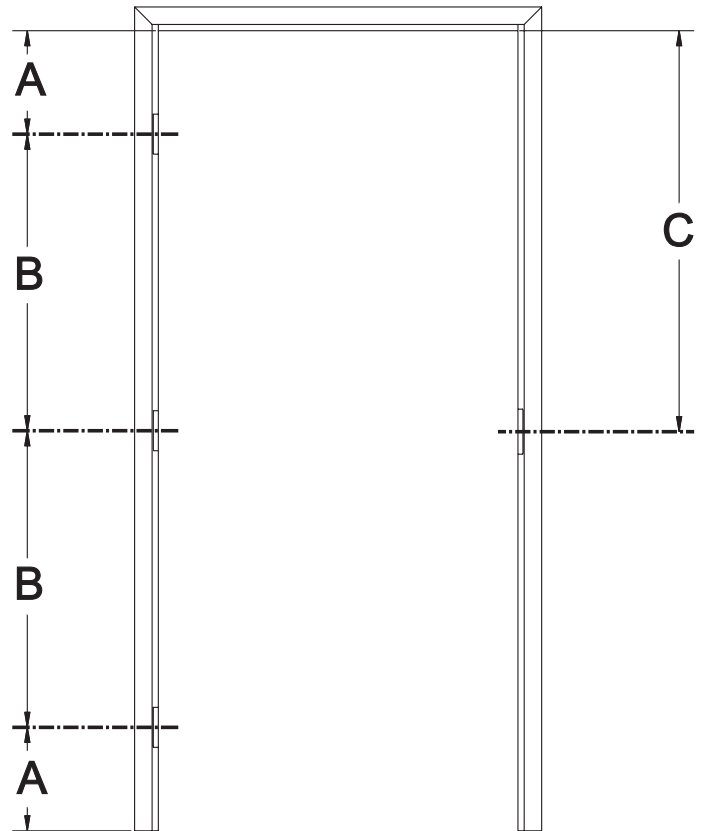
1-3/4" DOOR WITH 1-1/2 PAIR OF 4" HINGES

NET FRAME DIMENSIONS

RFS 5, RFS 6, RFS 9

NOM HGT.	NET HGT.	"A"	"B"	"C"
5'-0	60-3/16	10-11/32	19-3/4	20-3/32
5'-1	61-3/16	10-11/32	20-1/4	21-3/32
5'-2	62-3/16	10-11/32	20-3/4	22-3/32
5'-4	64-3/16	10-11/32	21-3/4	24-3/32
6'-0	72-3/16	10-11/32	25-3/4	32-3/32
6'-8 Reversible	80-3/16	10-11/32	29-3/4	40-3/32+
6'-9	81-3/16	10-11/32	30-1/4	41-3/32
7'-0	84-3/16	10-11/32	31-3/4	44-3/32
7'-4	88-3/16	10-11/32	33-3/4	48-3/32
7'-6	90-3/16	10-11/32	34-3/4	50-3/32
+ Reversible Frame				

DOOR PREFITTING: Deduct 3/32" from dimensions "A" and "C" for clearances.



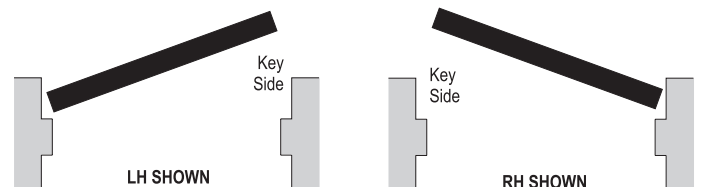
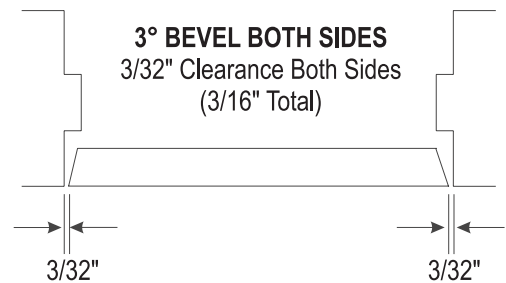
DOOR INFORMATION:

Hinge Backset = 1/4"

Hinge Depth = Per Template

Template hinge pattern only; 1/4" radius only

5/8" radius hinge prep available in template or non-template hole pattern; specify hinge when ordering



STANDARD HINGE AND STRIKE LOCATIONS

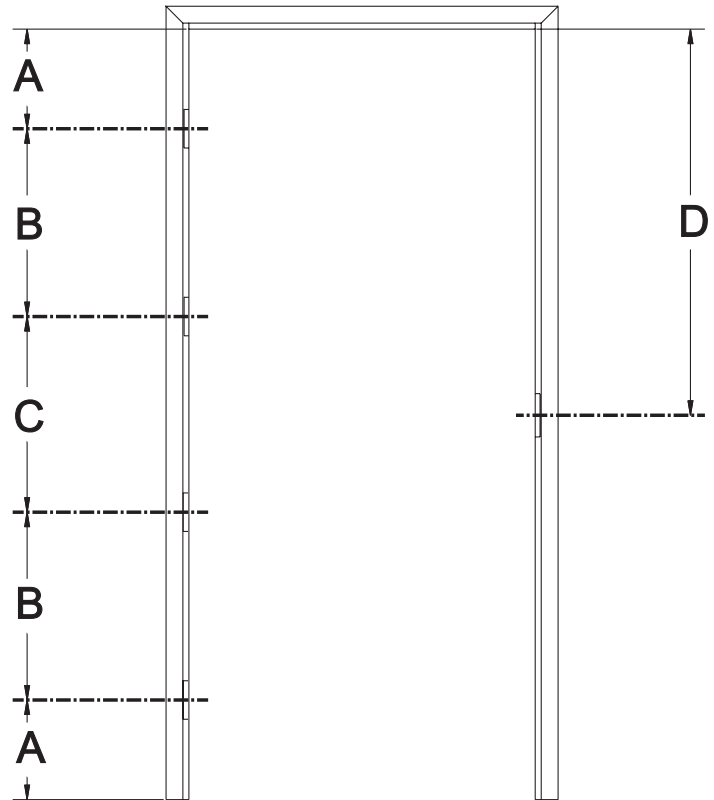
1-3/4" DOOR WITH 2 PAIR OF 4" HINGES

NET FRAME DIMENSIONS

RFS 19, RFS 22

NOM HGT.	NET HGT.	"A"	"B"	"C"	"D"
6'-0	72-3/16	10-11/32	17	17-1/2	32-3/32
6'-8 Reversible	80-3/16	10-11/32	19-3/4	20	40-3/32+
6'-9	81-3/16	10-11/32	20-1/8	20-1/4	41-3/32
6'-10	82-3/16	10-11/32	20-1/2	20-1/2	42-3/32
7'-0	84-3/16	10-11/32	21	21-1/2	44-3/32
7'-2	86-3/16	10-11/32	21-3/4	22	46-3/32
7'-4	88-3/16	10-11/32	22-1/2	22-1/2	48-3/32
7'-6	90-3/16	10-11/32	23	23-1/2	50-3/32
7'-8	92-3/16	10-11/32	23-3/4	24	52-3/32
7'-10	94-3/16	10-11/32	24-1/2	24-1/2	54-3/32
8'-0	96-3/16	10-11/32	25	25-1/2	56-3/32
8'-2	98-3/16	10-11/32	25-3/4	26	58-3/32
8'-4	100-3/16	10-11/32	26-1/2	26-1/2	60-3/32
8'-6	102-3/16	10-11/32	27	27-1/2	62-3/32
8'-8	104-3/16	10-11/32	27-3/4	28	64-3/32
8'-10	106-3/16	10-11/32	28-1/2	28-1/2	66-3/32
9'-0	108-3/16	10-11/32	29	29-1/2	68-3/32
+ Reversible Frame					

DOOR PREFITTING: Deduct 3/32" from dimensions "A" and "D" for clearances.



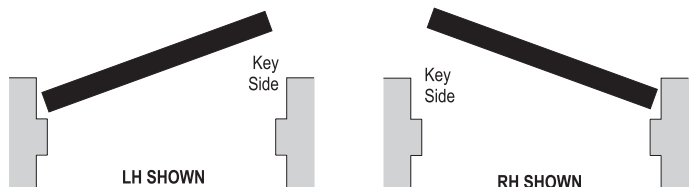
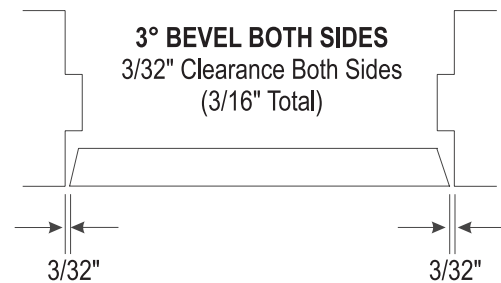
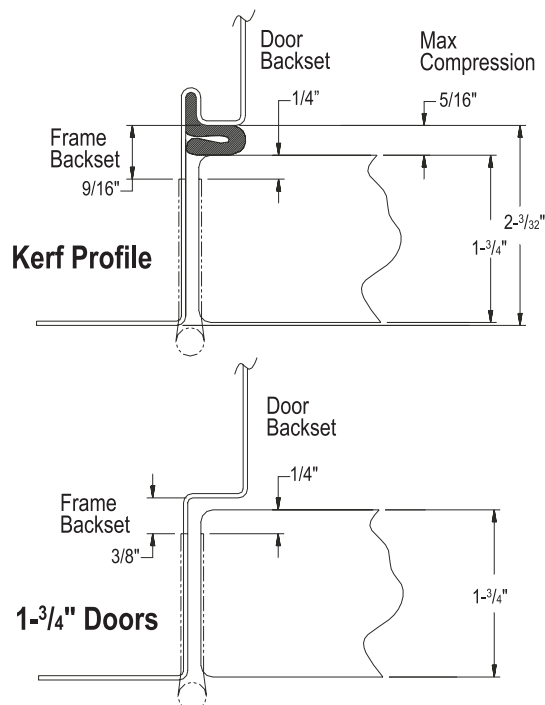
DOOR INFORMATION:

Hinge Backset = 1/4"

Hinge Depth = Per Template

Template hinge pattern only; 1/4" radius only

5/8" radius hinge prep available in template or non-template hole pattern; specify hinge when ordering





REDIFRAME®

1-3/4" DOOR WITH 1-1/2 PAIR OF 4-1/2" HINGES

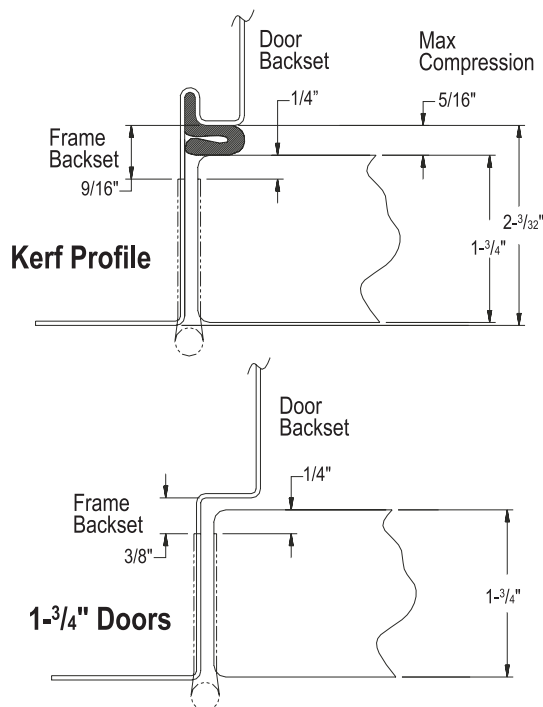
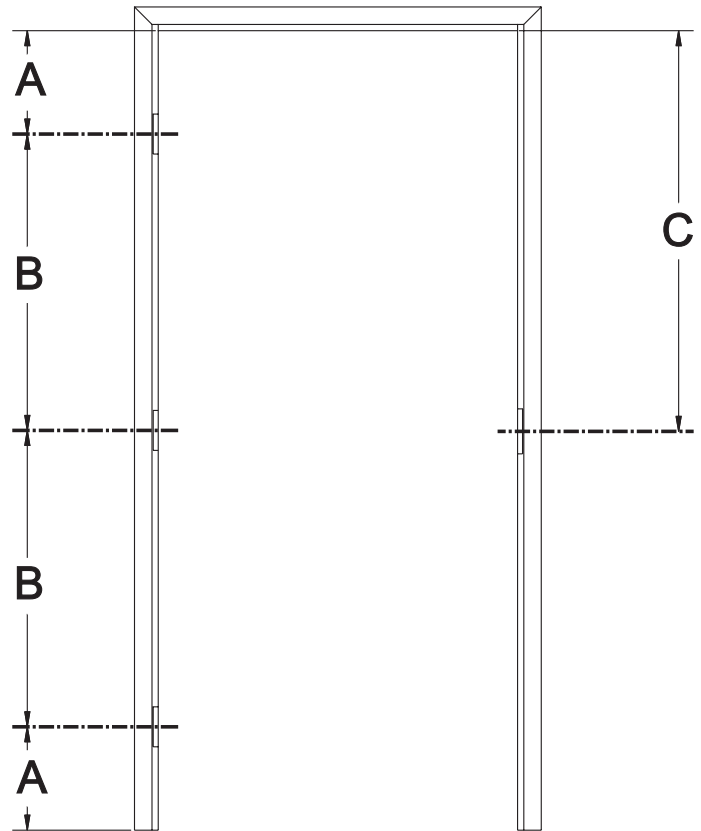
NET FRAME DIMENSIONS

RFS 31, RFS, 32, RFS 33

NOM HGT.	NET HGT.	"A"	"B"	"C"
5'-0	60-3/16	10-19/32	19-1/2	20-3/32
5'-1	61-3/16	10-19/32	20	21-3/32
5'-2	62-3/16	10-19/32	20-1/2	22-3/32
5'-4	64-3/16	10-19/32	21-1/2	24-3/32
6'-0	72-3/16	10-19/32	25-1/2	32-3/32
6'-8 Reversible	80-3/16	10-19/32	29-1/2	40-3/32+
6'-9	81-3/16	10-19/32	30	41-3/32
7'-0	84-3/16	10-19/32	31-1/2	44-3/32
7'-4	88-3/16	10-19/32	33-1/2	48-3/32
7'-6	90-3/16	10-19/32	34-1/2	50-3/32

+ Reversible Frame

DOOR PREFITTING: Deduct 3/32" from dimensions "A" and "C" for clearances.



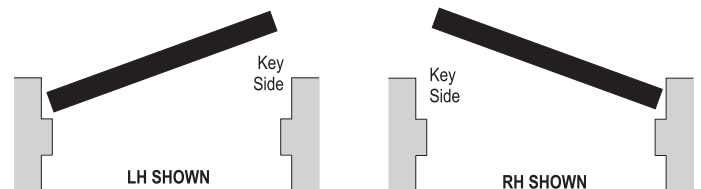
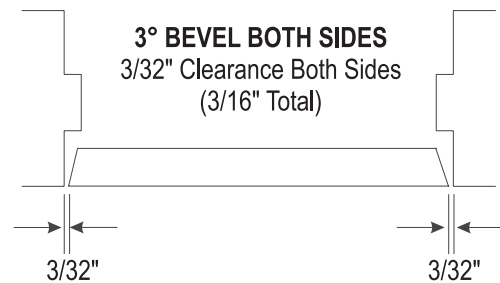
DOOR INFORMATION:

Hinge Backset = 1/4"

Hinge Depth = .134" for standard weight hinge

Hinge Depth = .180" for heavy weight hinge

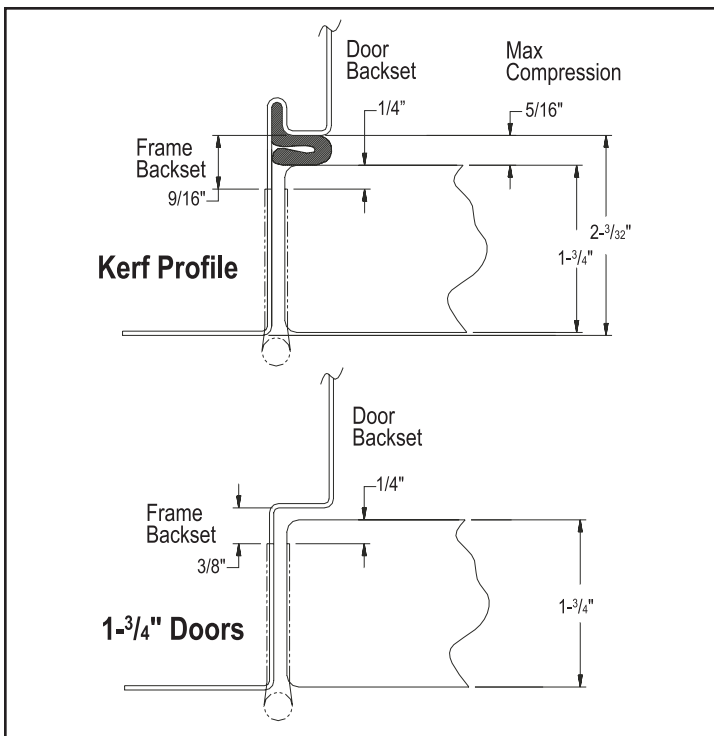
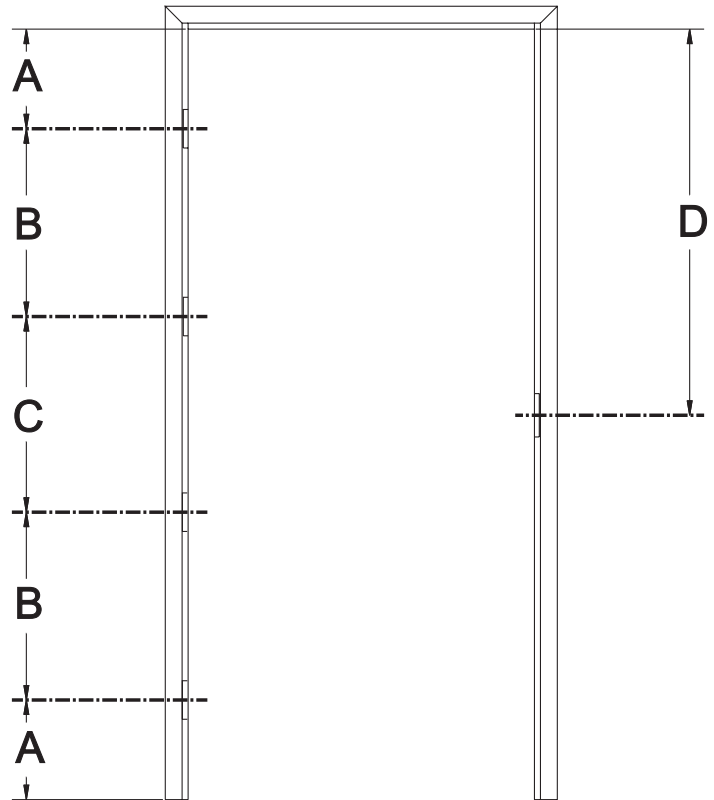
Template hinge pattern only



STANDARD HINGE AND STRIKE LOCATIONS

1-3/4" DOOR WITH 2 PAIR OF 4-1/2" HINGES

NET FRAME DIMENSIONS					
RFS 35, RFS 36, RFS 37					
NOM HGT.	NET HGT.	"A"	"B"	"C"	"D"
6'-0	72-3/16	10-19/32	17	17	32-3/32
6'-8 Reversible	80-3/16	10-19/32	19-1/2	20	40-3/32+
6'-9	81-3/16	10-19/32	20	20	41-3/32
6'-10	82-3/16	10-19/32	20-1/4	20-1/2	42-3/32
7'-0	84-3/16	10-19/32	21	21	44-3/32
7'-2	86-3/16	10-19/32	21-1/2	22	46-3/32
7'-4	88-3/16	10-19/32	22-1/4	22-1/2	48-3/32
7'-6	90-3/16	10-19/32	23	23	50-3/32
7'-8	92-3/16	10-19/32	23-1/2	24	52-3/32
7'-10	94-3/16	10-19/32	24-1/2	24	54-3/32
8'-0	96-3/16	10-19/32	25	25	56-3/32
8'-2	98-3/16	10-19/32	25-1/2	26	58-3/32
8'-4	100-3/16	10-19/32	26-1/4	26-1/2	60-3/32
8'-6	102-3/16	10-19/32	27	27	62-3/32
8'-8	104-3/16	10-19/32	27-1/2	28	64-3/32
8'-10	106-3/16	10-19/32	28-1/2	28	66-3/32
9'-0	108-3/16	10-19/32	29	29	68-3/32
+ Reversible Frame					
DOOR PREFITTING: Deduct 3/32" from dimensions					
"A" and "D" for clearances.					



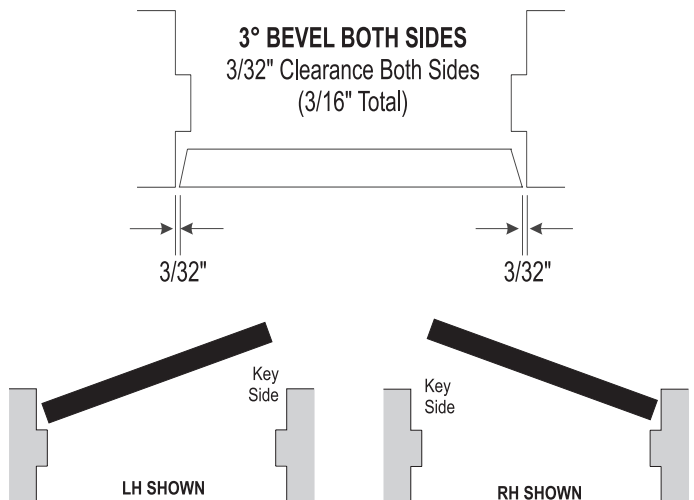
DOOR INFORMATION:

Hinge Backset = 1/4"

Hinge Depth = .134" for standard weight hinge

Hinge Depth = .180" for heavy weight hinge

Template hinge pattern only





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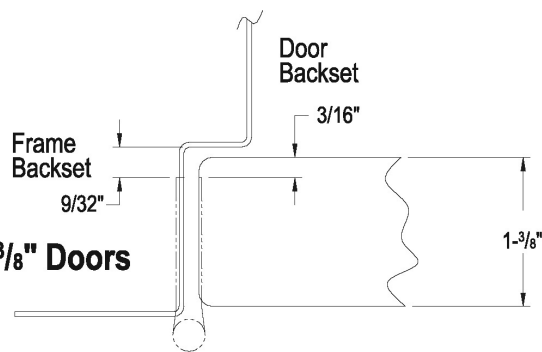
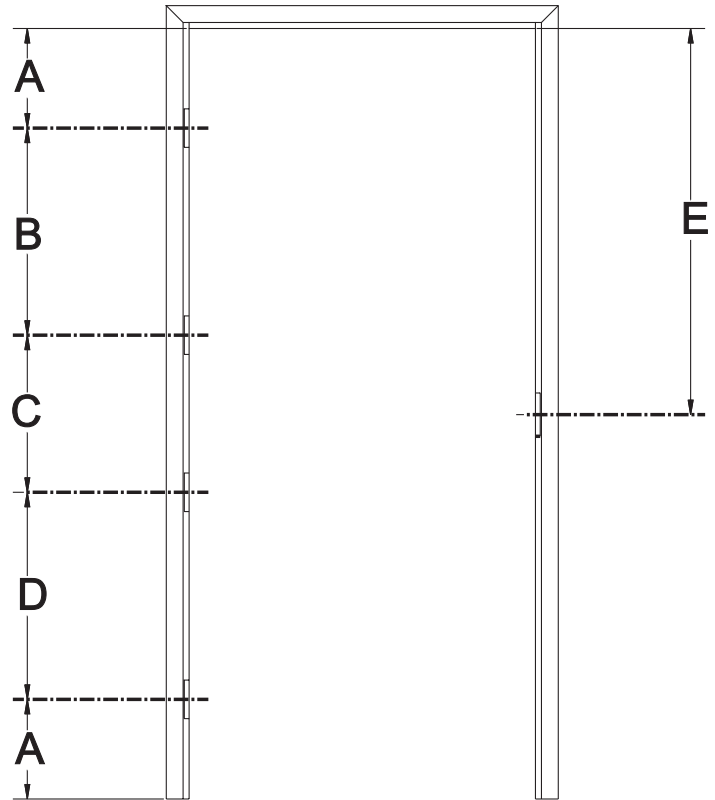
DUTCH DOOR PREP; 1-3/8" DOOR WITH 2 PAIR OF 3-1/2" HINGES

NET FRAME DIMENSIONS

RFS 16

NOM HGT.	NET HGT.	"A"	"B"	"C"	"D"	"E"
6'-0	72-3/16	4-27/32	22-1/2	9-1/2	30-1/2	36-3/32
6'-8	80-3/16	4-27/32	30-1/2	9-1/2	30-1/2	44-3/32
6'-9	81-3/16	4-27/32	31-1/2	9-1/2	30-1/2	45-3/32
6'-10	82-3/16	4-27/32	32-1/2	9-1/2	30-1/2	46-3/32
7'-0	84-3/16	4-27/32	34-1/2	9-1/2	30-1/2	48-3/32
7'-2	86-3/16	4-27/32	36-1/2	9-1/2	30-1/2	50-3/32
7'-4	88-3/16	4-27/32	38-1/2	9-1/2	30-1/2	52-3/32
7'-6	90-3/16	4-27/32	40-1/2	9-1/2	30-1/2	54-3/32

DOOR PREFITTING: Deduct 3/32" from dimensions "A" and "E" for clearances.

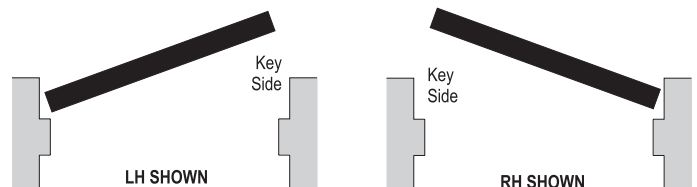
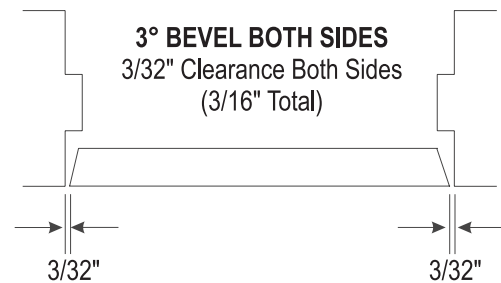


DOOR INFORMATION:

Hinge Backset = 3/16"

Hinge Depth = Per Template

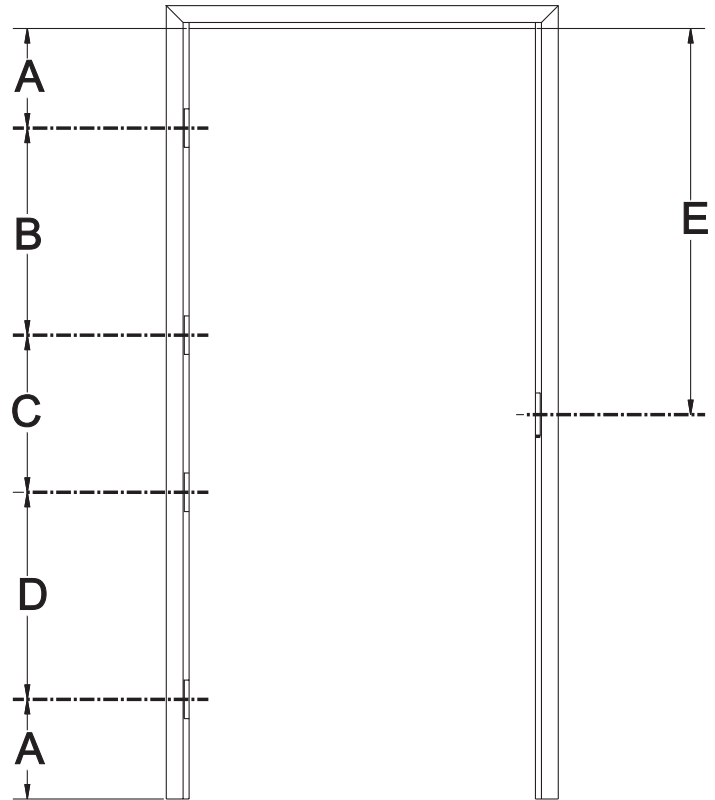
Template hinge pattern only; 1/4" or 5/8" radius



STANDARD HINGE AND STRIKE LOCATIONS

DUTCH DOOR PREP; 1-3/4" DOOR WITH 2 PAIR OF 4" HINGES

NET FRAME DIMENSIONS						
RFS 40						
NOM HGT.	NET HGT.	"A"	"B"	"C"	"D"	"E"
6'-0	72-3/16	5-3/32	22	10	30	36-3/32
6'-8	80-3/16	5-3/32	30	10	30	44-3/32
6'-9	81-3/16	5-3/32	31	10	30	45-3/32
6'-10	82-3/16	5-3/32	32	10	30	46-3/32
7'-0	84-3/16	5-3/32	34	10	30	48-3/32
7'-2	86-3/16	5-3/32	36	10	30	50-3/32
7'-4	88-3/16	5-3/32	38	10	30	52-3/32
7'-6	90-3/16	5-3/32	40	10	30	54-3/32
DOOR PREFITTING: Deduct 3/32" from dimensions "A" and "E" for clearances.						



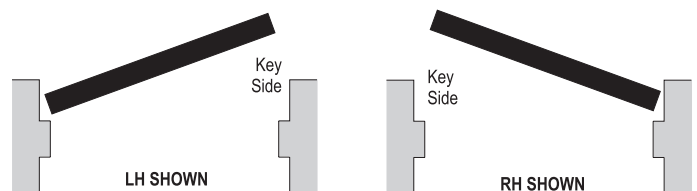
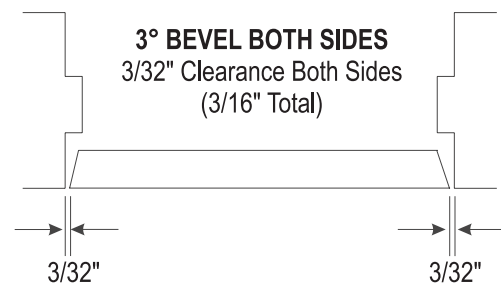
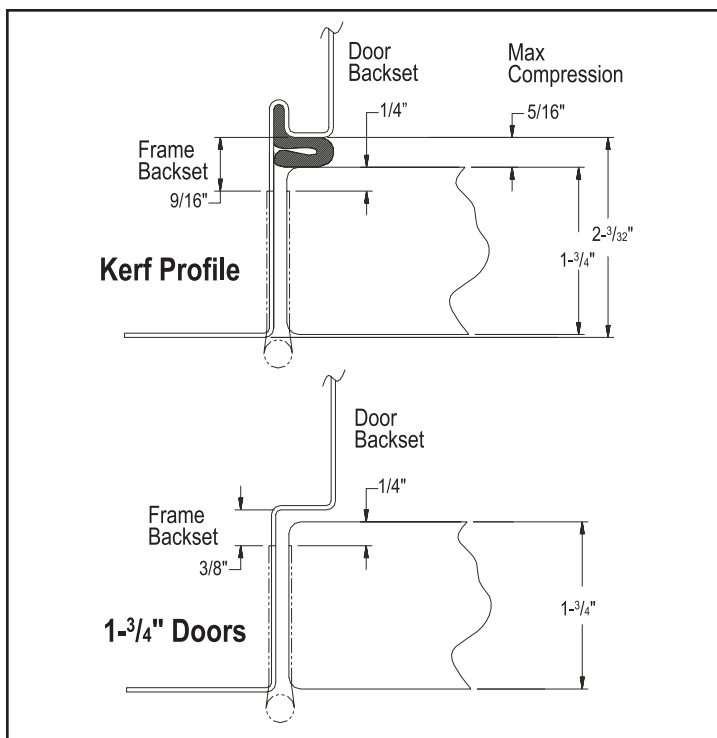
DOOR INFORMATION:

Hinge Backset = 1/4"

Hinge Depth = Per Template

Template hinge pattern only; **1/4" radius only**

5/8" Radius hinge prep available in template or non-template hole pattern; specify hinge when ordering.





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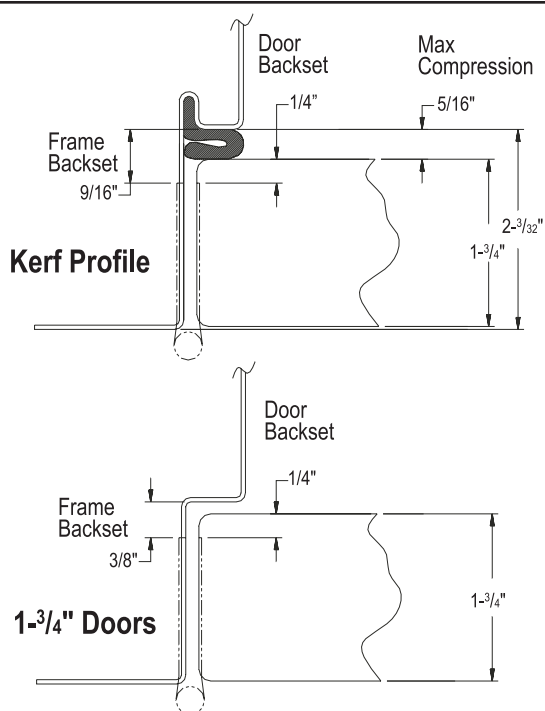
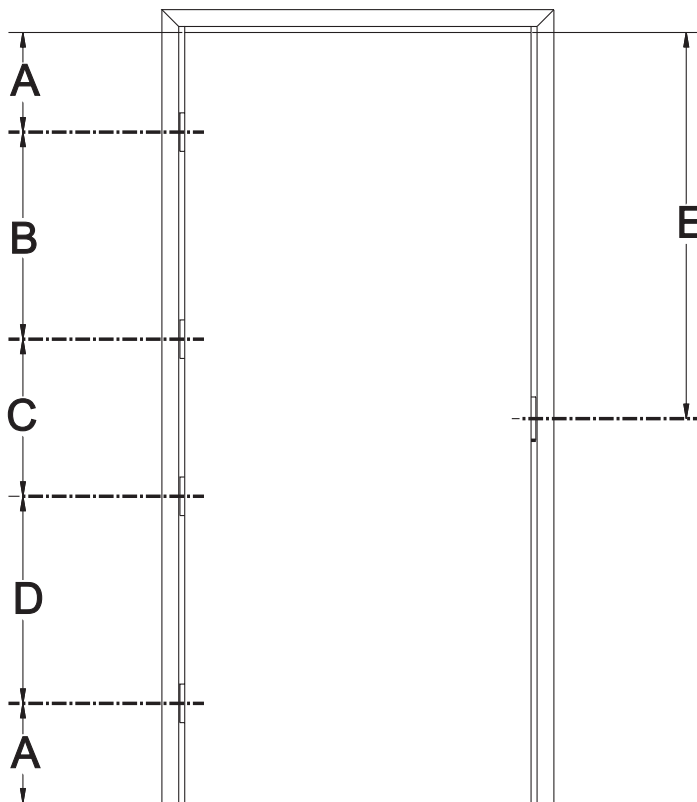
DUTCH DOOR PREP; 1-3/4" DOOR WITH 2 PAIR OF 4-1/2" HINGES

NET FRAME DIMENSIONS

RFS 41

NOM HGT.	NET HGT.	"A"	"B"	"C"	"D"	"E"
6'-0	72-3/16	5-11/32	21-1/2	10-1/2	29-1/2	36-3/32
6'-8	80-3/16	5-11/32	29-1/2	10-1/2	29-1/2	44-3/32
6'-9	81-3/16	5-11/32	30-1/2	10-1/2	29-1/2	45-3/32
6'-10	82-3/16	5-11/32	31-1/2	10-1/2	29-1/2	46-3/32
7'-0	84-3/16	5-11/32	33-1/2	10-1/2	29-1/2	48-3/32
7'-2	86-3/16	5-11/32	35-1/2	10-1/2	29-1/2	50-3/32
7'-4	88-3/16	5-11/32	37-1/2	10-1/2	29-1/2	52-3/32
7'-6	90-3/16	5-11/32	39-1/2	10-1/2	29-1/2	54-3/32

DOOR PREFITTING: Deduct 3/32" from dimensions "A" and "E" for clearances.



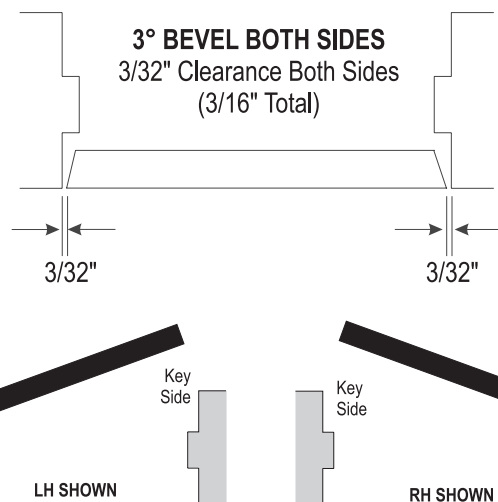
DOOR INFORMATION:

Hinge Backset = 1/4"

Hinge Depth = .134" for standard weight hinge

Hinge Depth = .180" for heavy weight hinge

Template hinge pattern only



STANDARD HINGE AND STRIKE LOCATIONS

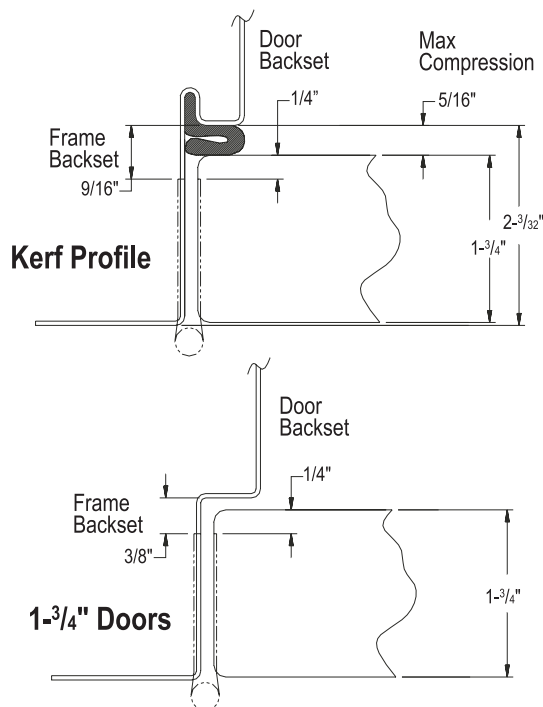
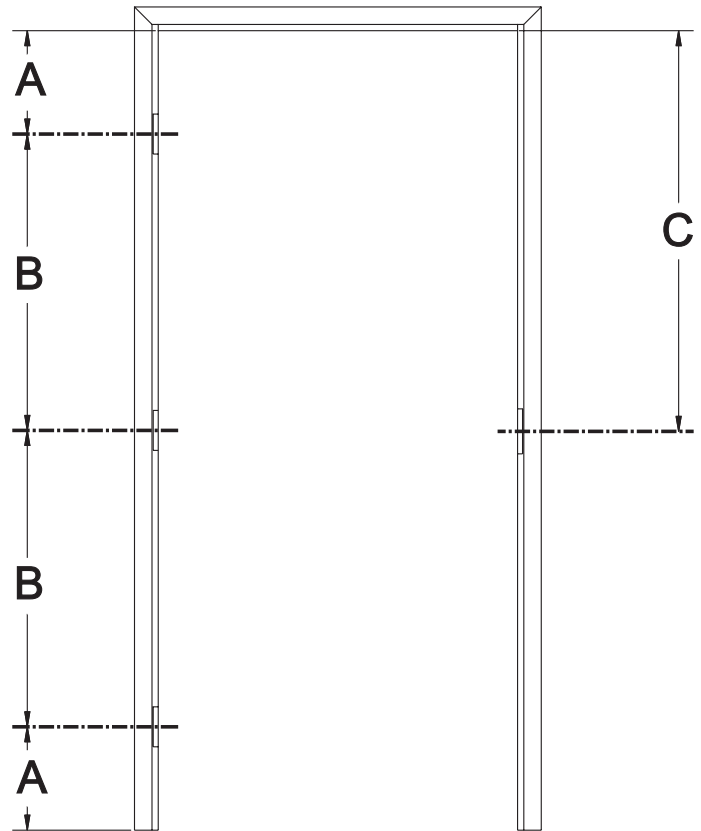
1-3/4" DOOR WITH 1-1/2 PAIR OF 5" HINGES

NET FRAME DIMENSIONS

NOM HGT.	NET HGT.	"A"	"B"	"C"
5'-0	60-3/16	10-27/32	19-1/4	20-3/32
5'-1	61-3/16	10-27/32	19-3/4	21-3/32
5'-2	62-3/16	10-27/32	20-1/4	22-3/32
5'-4	64-3/16	10-27/32	21-1/4	24-3/32
6'-0	72-3/16	10-27/32	25-1/4	32-3/32
6'-8 Reversible	80-3/16	10-27/32	29-1/4	40-3/32+
6'-9	81-3/16	10-27/32	29-3/4	41-3/32
6'-9 Reversible	81-3/16	10-27/32	29-3/4	40-19/32+
7'-0	84-3/16	10-27/32	31-1/4	44-3/32
7'-0 Reversible	84-3/16	10-27/32	31-1/4	42-3/32+
7'-4	88-3/16	10-27/32	33-1/4	48-3/32
7'-6	90-3/16	10-27/32	34-1/4	50-3/32

+ Reversible Frame

DOOR PREFITTING: Deduct 3/32" from dimensions "A" and "C" for clearances.

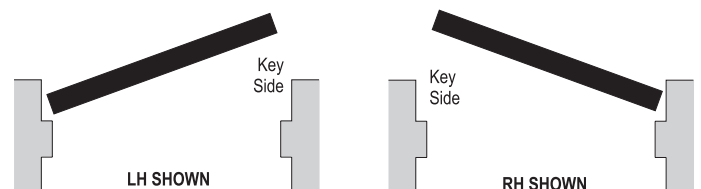
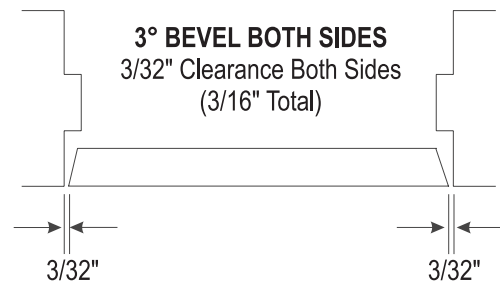


DOOR INFORMATION:

Hinge Backset = 1/4"

Hinge Depth = .145" for standard weight hinge

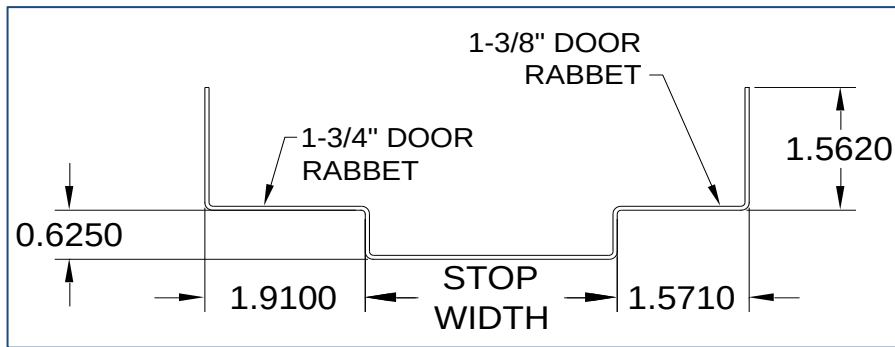
Template hinge pattern only





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800.633.7553 | 334.794.0661 | Fax: 334.793.3462
www.dunbarton.com | email: sales@dunbarton.com

Rediframe Stop Width Sizes



WALL SIZE	STOP WIDTH
4	0.647
4 1/8	0.772
4 1/4	0.897
4 3/8	1.022
4 1/2	1.147
4 5/8	1.272
4 3/4	1.397
4 7/8	1.592
5	1.647
5 1/8	1.772
5 1/4	1.897
5 3/8	2.022
5 1/2	2.147
5 5/8	2.272
5 3/4	2.397
5 7/8	2.522
6	2.647
6 1/8	2.772
6 1/4	2.897
6 3/8	3.022
6 1/2	3.147
6 5/8	3.272
6 3/4	3.397
6 7/8	3.522
7	3.647
7 1/8	3.772
7 1/4	3.897
7 3/8	4.022
7 1/2	4.147
7 5/8	4.272
7 3/4	4.397
7 7/8	4.522
8	4.647
8 1/8	4.772
8 1/4	4.897
8 3/8	5.022
8 1/2	5.147
8 5/8	5.272

WALL SIZE	STOP WIDTH
8 3/4	5.397
8 7/8	5.522
9	5.647
9 1/8	5.772
9 1/4	5.897
9 3/8	6.022
9 1/2	6.147
9 5/8	6.272
9 3/4	6.397
9 7/8	6.522
10	6.647
10 1/8	6.772
10 1/4	6.897
10 3/8	7.022
10 1/2	7.147
10 5/8	7.272
10 3/4	7.397
10 7/8	7.522
11	7.647
11 1/8	7.772
11 1/4	7.897
11 3/8	8.022
11 1/2	8.147
11 5/8	8.272
11 3/4	8.397
11 7/8	8.522
12	8.647
12 1/8	8.772
12 1/4	8.897
12 3/8	9.022
12 1/2	9.147
12 5/8	9.272
12 3/4	9.397
12 7/8	9.522
13	9.647

STANDARD WOOD DOOR HARDWARE PREPS

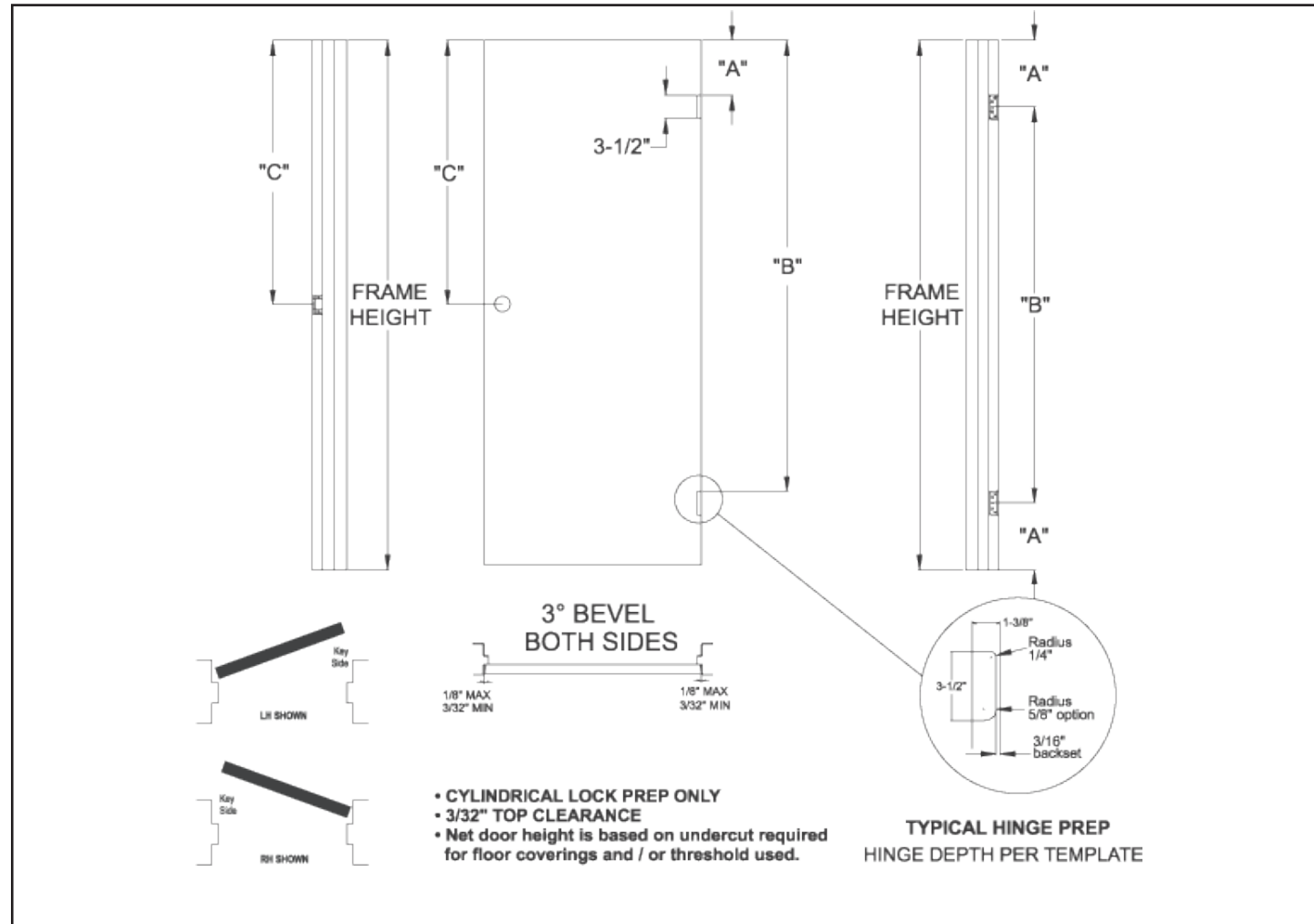
RFS #	HEIGHT				HINGE PREP	STRIKE PREP*	DOOR THICKNESS
1	6'8"	6'9"	7'0"		1 pair 3 1/2"	2 3/4" "T"	1 3/8" Single Door
2	6'8"	6'9"	7'0"		1 pair 3 1/2"	none	1 3/8" Single Door
3	6'8"	6'9"	7'0"		1 1/2 pair 3 1/2"	2 3/4" "T"	1 3/8" Single Door
4	6'8"	6'9"	7'0"		1 1/2 pair 3 1/2"	none	1 3/8" Single Door
5	6'8"	6'9"	7'0"		1 1/2 pair 4"	ASA or 2 3/4" "T"	1 3/4" Single Door
6	6'8"	6'9"	7'0"		1 1/2 pair 4"	none	1 3/4" Single Door
7	6'8"	6'9"	7'0"		2 pair 3 1/2"	n/a	1 3/8" Pair Door
8	6'8"	6'9"	7'0"		3 pair 3 1/2"	n/a	1 3/8" Pair Door
9	6'8"	6'9"	7'0"		3 pair 4"	n/a	1 3/4" Pair Door
17	7'10"	8'0"	8'4"	8'10"	2 pair 3 1/2"	2 3/4" "T"	1 3/8" Single Door
19	7'10"	8'0"	8'4"	8'10"	2 pair 4"	ASA or 2 3/4" "T"	1 3/4" Single Door
21	7'10"	8'0"	8'4"	8'10"	4 pair 3 1/2"	n/a	1 3/8" Pair Door
22	7'10"	8'0"	8'4"	8'10"	4 pair 4"	n/a	1 3/4" Pair Door
31	6'8"	6'9"	7'0"		1 1/2 pair 4 1/2"	ASA or 2 3/4" "T"	1 3/4" Single Door
32	6'8"	6'9"	7'0"		1 1/2 pair 4 1/2"	none	1 3/4" Single Door
33	6'8"	6'9"	7'0"		3 pair 4 1/2"	n/a	1 3/4" Pair Door
35	7'10"	8'0"	8'4"	8'10"	2 pair 4 1/2"	ASA or 2 3/4" "T"	1 3/4" Single Door
36	7'10"	8'0"	8'4"	8'10"	2 pair 4 1/2"	none	1 3/4" Single Door
37	7'10"	8'0"	8'4"	8'10"	4 pair 4 1/2"	n/a	1 3/4" Pair Door



*Pre-Fitting Instructions
for Wood Doors*

1	Table of Contents
2	1-3/8" Door with 1 pair 3-1/2" Hinges
3	1-3/8" Door with 1-1/2 pair 3-1/2" Hinges
4	1-3/8" Door with 2 pair 3-1/2" Hinges
5	1-3/4" Door with 1-1/2 pair 4" Hinges
6	1-3/4" Door with 2 pair 4" Hinges
7	1-3/4" Door with 1-1/2 pair 4-1/2" Hinges
8	1-3/4" Door with 2 pair 4-1/2" Hinges
9	1-3/4" Door with 1-1/2 pair 5" Hinges

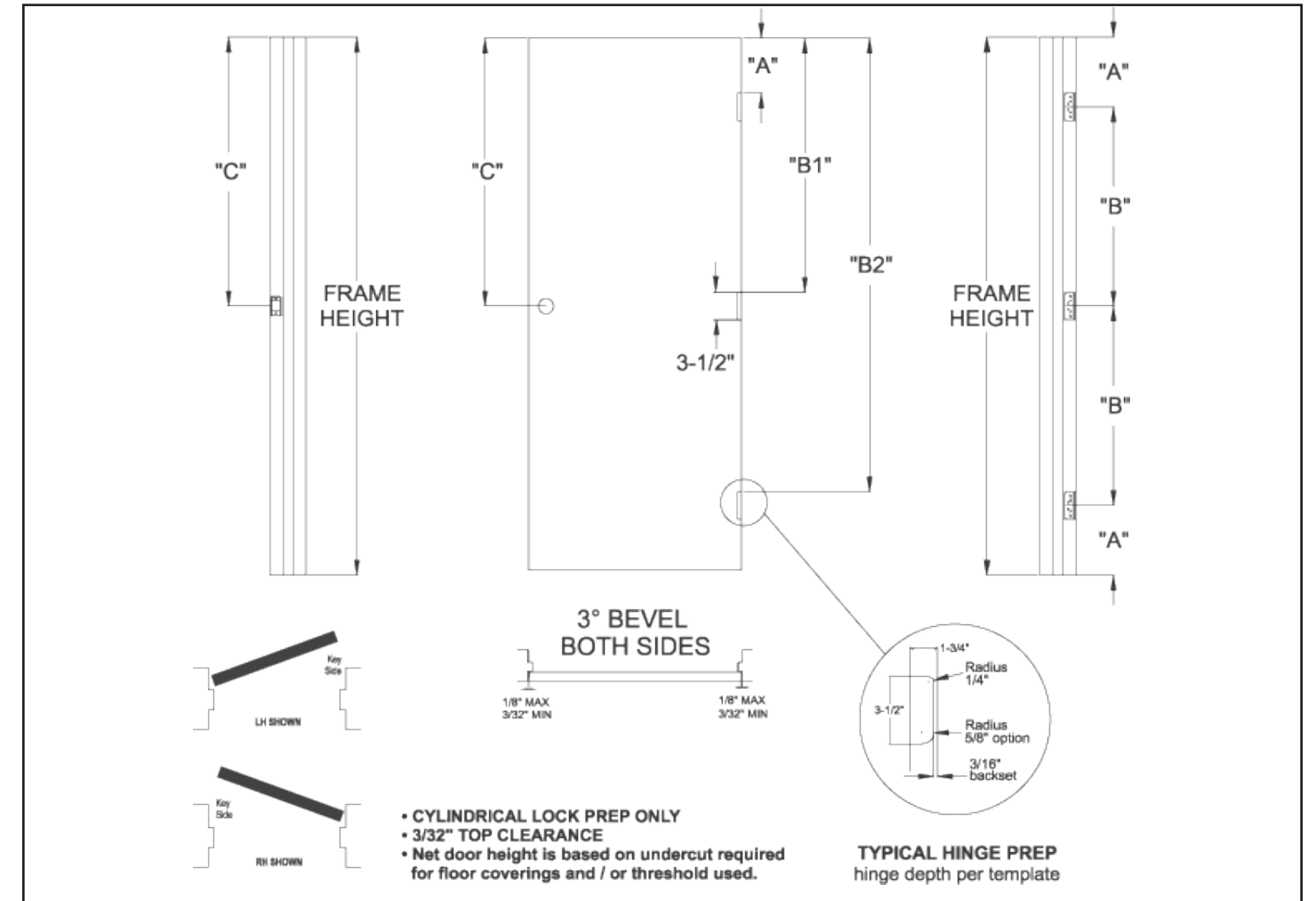
1 PAIR ON 3-1/2" HINGES FOR 1-3/8" DOORS (RFS 1, 2, 7)



FRAME DIMENSIONS				
NOM FRAME HT	NET FRAME HEIGHT	"A"	"B"	"C"
6-8 Reversible	80 3/16	10 3/32	60	40 3/32
6-9	81 3/16	10 3/32	61	41 3/32
6-9 Reversible	81 3/16	10 3/32	61	40 19/32
7-0	84 3/16	10 3/32	64	44 3/32

DOOR DIMENSIONS				
NET FRAME HEIGHT	"A"	"B"	"C"	
80 3/16	8 1/4	68 1/4	40	
81 3/16	8 1/4	69 1/4	41	
81 3/16	8 1/4	69 1/4	40 1/2	
84 3/16	8 1/4	72 1/4	44	

1-1/2 PAIR OF 3-1/2" HINGES FOR 1-3/8" DOORS (RFS 3, 4, 8)

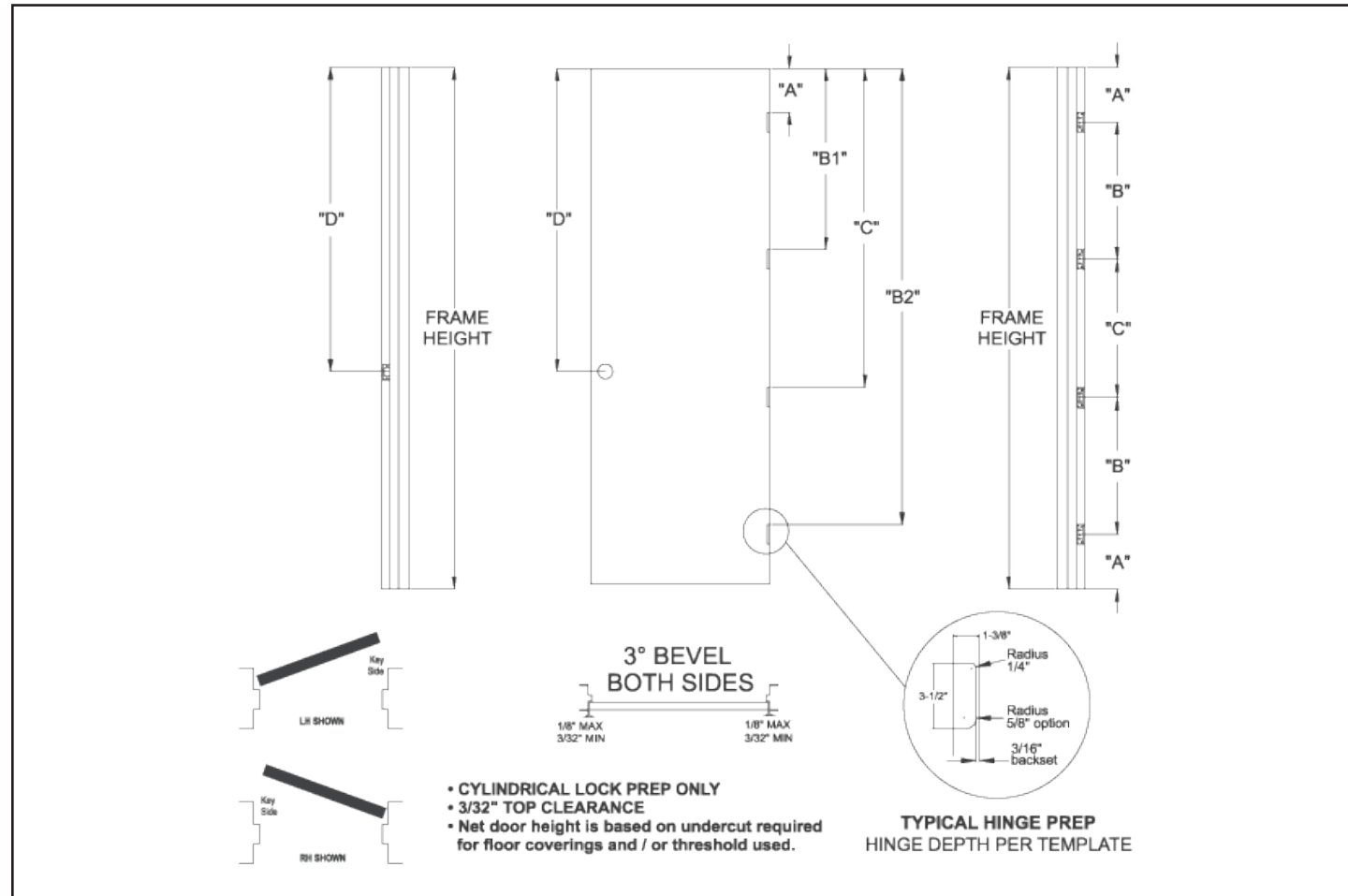


FRAME DIMENSIONS				
NOM FRAME HT	NET FRAME HEIGHT	"A"	"B"	"C"
5-0	60 3/16	10 3/32	20	20 3/32
5-1	61 3/16	10 3/32	20 1/2	21 3/32
5-2	62 3/16	10 3/32	21	22 3/32
5-4	64 3/16	10 3/32	22	24 3/32
6-0	72 3/16	10 3/32	26	32 3/32
6-8 Reversible	80 3/16	10 3/32	30	40 3/32
6-9	81 3/16	10 3/32	30 1/2	41 3/32
6-9 Reversible	81 3/16	10 3/32	30 1/2	40 19/32
7-0	84 3/16	10 3/32	32	44 3/32
7-0 Reversible	84 3/16	10 3/32	32	42 3/32
7-4	88 3/16	10 3/32	34	48 3/32
7-6	90 3/16	10 3/32	35	50 3/32

DOOR DIMENSIONS				
NET FRAME HEIGHT	"A"	"B1"	"B2"	"C"
60 3/16	8 1/4	28 1/4	48 1/4	20
61 3/16	8 1/4	28 3/4	49 1/4	21
62 3/16	8 1/4	29 1/4	50 1/4	22
64 3/16	8 1/4	30 1/4	52 1/4	24
72 3/16	8 1/4	34 1/4	60 1/4	32
80 3/16	8 1/4	38 1/4	68 1/4	40
81 3/16	8 1/4	38 3/4	69 1/4	41
81 3/16	8 1/4	38 3/4	69 1/4	40 1/2
84 3/16	8 1/4	40 1/4	72 1/4	44
84 3/16	8 1/4	40 1/4	72 1/4	42
88 3/16	8 1/4	42 1/4	76 1/4	48
90 3/16	8 1/4	43 1/4	78 1/4	50

Refer to form RF407 Rediframe Hinge and Strike Locations for complete frame hardware locations.
Custom hardware preps and locations available. Contact Customer Service at 800-633-7553.
Forms available for download at www.dunbarton.com.

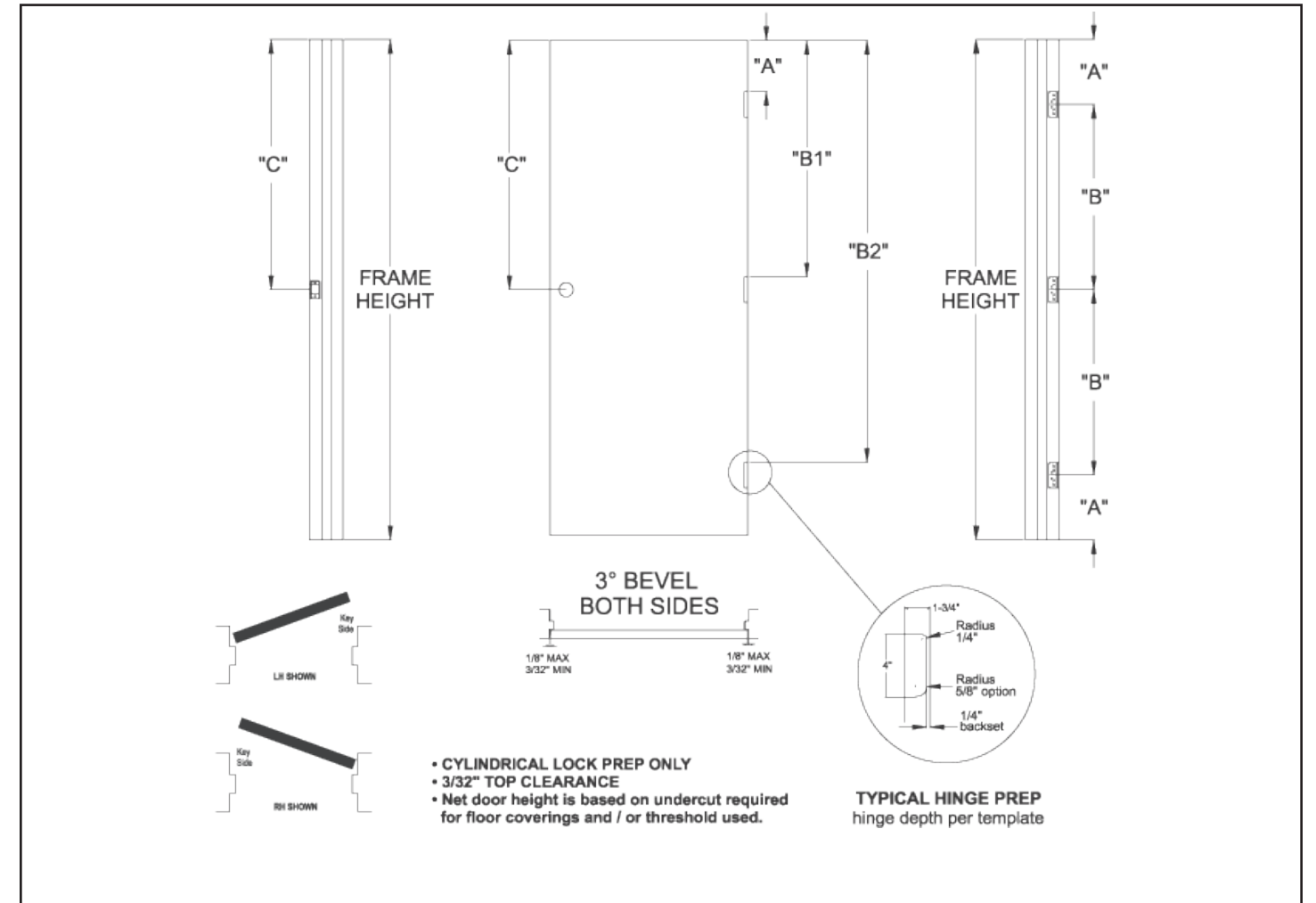
2 PAIR OF 3-1/2" HINGES FOR 1-3/8" DOORS (RFS 17, 21)



FRAME DIMENSIONS					
NOM FRAME HT	NET FRAME HEIGHT	"A"	"B"	"C"	"D"
6-0	72 3/16	10 3/32	17 1/4	17 1/2	32 3/32
6-8 Reversible	80 3/16	10 3/32	20	20	40 3/32
6-9	81 3/16	10 3/32	20 1/4	20 1/2	41 3/32
6-9 Reversible	81 3/16	10 3/32	20 1/4	20 1/2	40 19/32
6-10	82 3/16	10 3/32	20 1/2	21	42 3/32
7-0	84 3/16	10 3/32	21 1/4	21 1/2	44 3/32
7-0 Reversible	84 3/16	10 3/32	21 1/4	21 1/2	42 3/32
7-2	86 3/16	10 3/32	22	22	46 3/32
7-4	88 3/16	10 3/32	22 1/2	23	48 3/32
7-6	90 3/16	10 3/32	23 1/4	23 1/2	50 3/32
7-8	92 3/16	10 3/32	24	24	52 3/32
7-10	94 3/16	10 3/32	24 1/2	25	54 3/32
8-0	96 3/16	10 3/32	25 1/4	25 1/2	56 3/32
8-2	98 3/16	10 3/32	26	26	58 3/32
8-4	100 3/16	10 3/32	26 1/2	27	60 3/32
8-6	102 3/16	10 3/32	27 1/4	27 1/2	62 3/32
8-8	104 3/16	10 3/32	28	28	64 3/32
8-10	106 3/16	10 3/32	28 1/2	29	66 3/32
9-0	108 3/16	10 3/32	29 1/4	29 1/2	68 3/32

DOOR DIMENSIONS					
NET FRAME HEIGHT	"A"	"B1"	"C"	"B2"	"D"
72 3/16	8 1/4	25 1/2	43	60 1/4	32
80 3/16	8 1/4	28 1/4	48 1/4	68 1/4	40
81 3/16	8 1/4	28 1/2	49	69 1/4	41
81 3/16	8 1/4	28 1/2	49	69 1/4	40 1/2
82 3/16	8 1/4	28 3/4	49 3/4	70 1/4	42
84 3/16	8 1/4	29 1/2	51	72 1/4	44
84 3/16	8 1/4	29 1/2	51	72 1/4	42
86 3/16	8 1/4	30 1/4	52 1/4	74 1/4	46
88 3/16	8 1/4	30 3/4	53 3/4	76 1/4	48
90 3/16	8 1/4	31 1/2	55	78 1/4	50
92 3/16	8 1/4	32 1/4	56 1/4	80 1/4	52
94 3/16	8 1/4	32 3/4	57 3/4	82 1/4	54
96 3/16	8 1/4	33 1/2	59	84 1/4	56
98 3/16	8 1/4	34 1/4	60 1/4	86 1/4	58
100 3/16	8 1/4	34 3/4	61 3/4	88 1/4	60
102 3/16	8 1/4	35 1/2	63	90 1/4	62
104 3/16	8 1/4	36 1/4	64 1/4	92 1/4	64
106 3/16	8 1/4	36 3/4	65 3/4	94 1/4	66
108 3/16	8 1/4	37 1/2	67	96 1/4	68

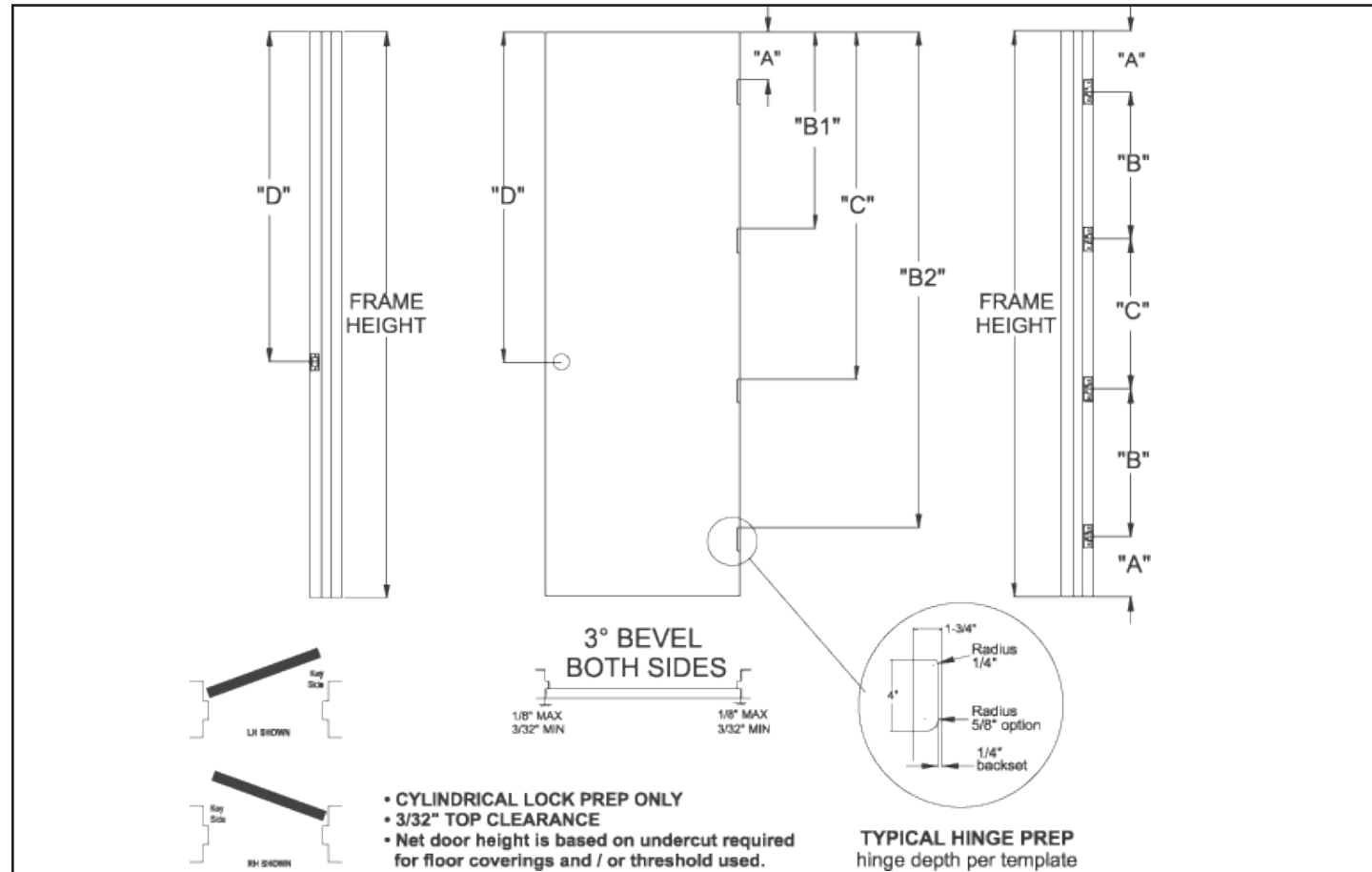
1-1/2 PAIR OF 4" HINGES FOR 1-3/4" DOORS (RFS 5, 6, 9)



FRAME DIMENSIONS				
NOM FRAME HT	NET FRAME HEIGHT	"A"	"B"	"C"
5-0	60 3/16	10 11/32	19 3/4	20 3/32
5-1	61 3/16	10 11/32	20 1/4	21 3/32
5-2	62 3/16	10 11/32	20 3/4	22 3/32
5-4	64 3/16	10 11/32	21 3/4	24 3/32
6-0	72 3/16	10 11/32	25 3/4	32 3/32
6-8 Reversible	80 3/16	10 11/32	29 3/4	40 3/32
6-9	81 3/16	10 11/32	30 1/4	41 3/32
6-9 Reversible	81 3/16	10 11/32	30 1/4	40 19/32
7-0	84 3/16	10 11/32	31 3/4	44 3/32
7-0 Reversible	84 3/16	10 11/32	31 3/4	42 3/32
7-4	88 3/16	10 11/32	33 3/4	48 3/32
7-6	90 3/16	10 11/32	34 3/4	50 3/32

DOOR DIMENSIONS				
NET FRAME HEIGHT	"A"	"B1"	"B2"	"C"
60 3/16	8 1/4	28	47 3/4	20
61 3/16	8 1/4	28 1/2	48 3/4	21
62 3/16	8 1/4	29	49 3/4	22
64 3/16	8 1/4	30	51 3/4	24
72 3/16	8 1/4	34	59 3/4	32
80 3/16	8 1/4	38	67 3/4	40
81 3/16	8 1/4	38 1/2	68 3/4	41
81 3/16	8 1/4	38 1/2	68 3/4	40 1/2
84 3/16	8 1/4	40	71 3/4	44
84 3/16	8 1/4	40	71 3/4	42
88 3/16	8 1/4	42	75 3/4	48
90 3/16	8 1/4	43	77 3/4	50

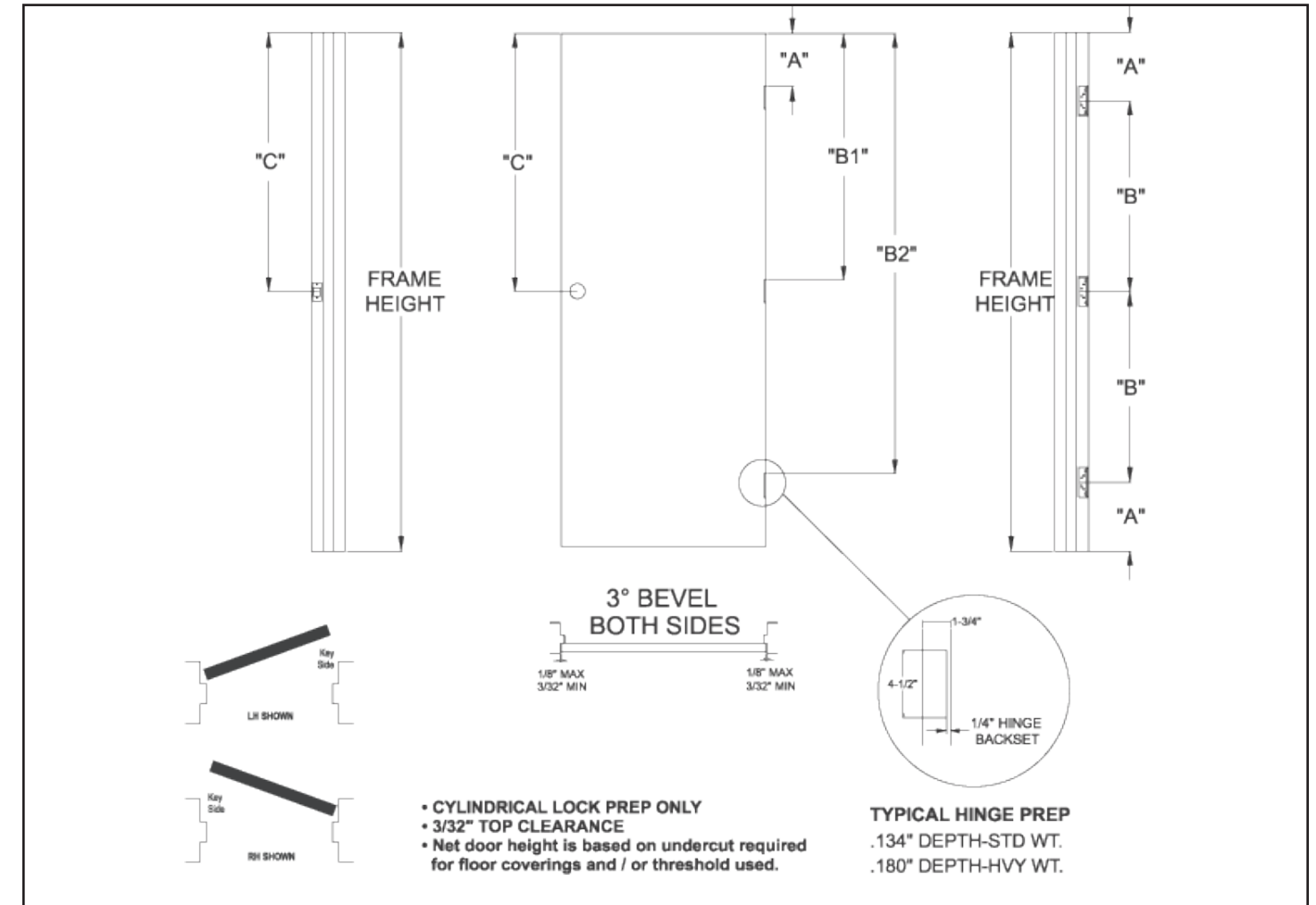
2 PAIR OF 4" HINGES FOR 1-3/4" DOORS (RFS 19, RFS 22)



FRAME DIMENSIONS					
NOM FRAME HT	NET FRAME HEIGHT	"A"	"B"	"C"	"D"
6-0	72 3/16	10 11/32	17	17 1/2	32 3/32
6-8 Reversible	80 3/16	10 11/32	19 3/4	20	40 3/32
6-9	81 3/16	10 11/32	20 1/8	20 1/4	41 3/32
6-9 Reversible	81 3/16	10 11/32	20 1/8	20 1/4	40 19/32
6-10	82 3/16	10 11/32	20 1/2	20 1/2	42 3/32
7-0	84 3/16	10 11/32	21	21 1/2	44 3/32
7-0 Reversible	84 3/16	10 11/32	21	21 1/2	42 3/32
7-2	86 3/16	10 11/32	21 3/4	22	46 3/32
7-4	88 3/16	10 11/32	22 1/2	22 1/2	48 3/32
7-6	90 3/16	10 11/32	23	23 1/2	50 3/32
7-8	92 3/16	10 11/32	23 3/4	24	52 3/32
7-10	94 3/16	10 11/32	24 1/2	24 1/2	54 3/32
8-0	96 3/16	10 11/32	25	25 1/2	56 3/32
8-2	98 3/16	10 11/32	25 3/4	26	58 3/32
8-4	100 3/16	10 11/32	26 1/2	26 1/2	60 3/32
8-6	102 3/16	10 11/32	27	27 1/2	62 3/32
8-8	104 3/16	10 11/32	27 3/4	28	64 3/32
8-10	106 3/16	10 11/32	28 1/2	28 1/2	66 3/32
9-0	108 3/16	10 11/32	29	29 1/2	68 3/32

DOOR DIMENSIONS					
NET FRAME HEIGHT	"A"	"B1"	"C"	"B2"	"D"
72 3/16	8 1/4	25 1/4	42 3/4	59 3/4	32
80 3/16	8 1/4	28	48	67 3/4	40
81 3/16	8 1/4	28 3/8	48 5/8	68 3/4	41
81 3/16	8 1/4	28 3/8	48 5/8	68 3/4	40 1/2
82 3/16	8 1/4	28 3/4	49 1/4	69 3/4	42
84 3/16	8 1/4	29 1/4	50 3/4	71 3/4	44
84 3/16	8 1/4	29 1/4	50 3/4	71 3/4	42
86 3/16	8 1/4	30	52	73 3/4	46
88 3/16	8 1/4	30 3/4	53 1/4	75 3/4	48
90 3/16	8 1/4	31 1/4	54 3/4	77 3/4	50
92 3/16	8 1/4	32	56	79 3/4	52
94 3/16	8 1/4	32 3/4	57 1/4	81 3/4	54
96 3/16	8 1/4	33 1/4	58 3/4	83 3/4	56
98 3/16	8 1/4	34	60	85 3/4	58
100 3/16	8 1/4	34 3/4	61 1/4	87 3/4	60
102 3/16	8 1/4	35 1/4	62 3/4	89 3/4	62
104 3/16	8 1/4	36	64	91 3/4	64
106 3/16	8 1/4	36 3/4	65 1/4	93 3/4	66
108 3/16	8 1/4	37 1/4	66 3/4	95 3/4	68

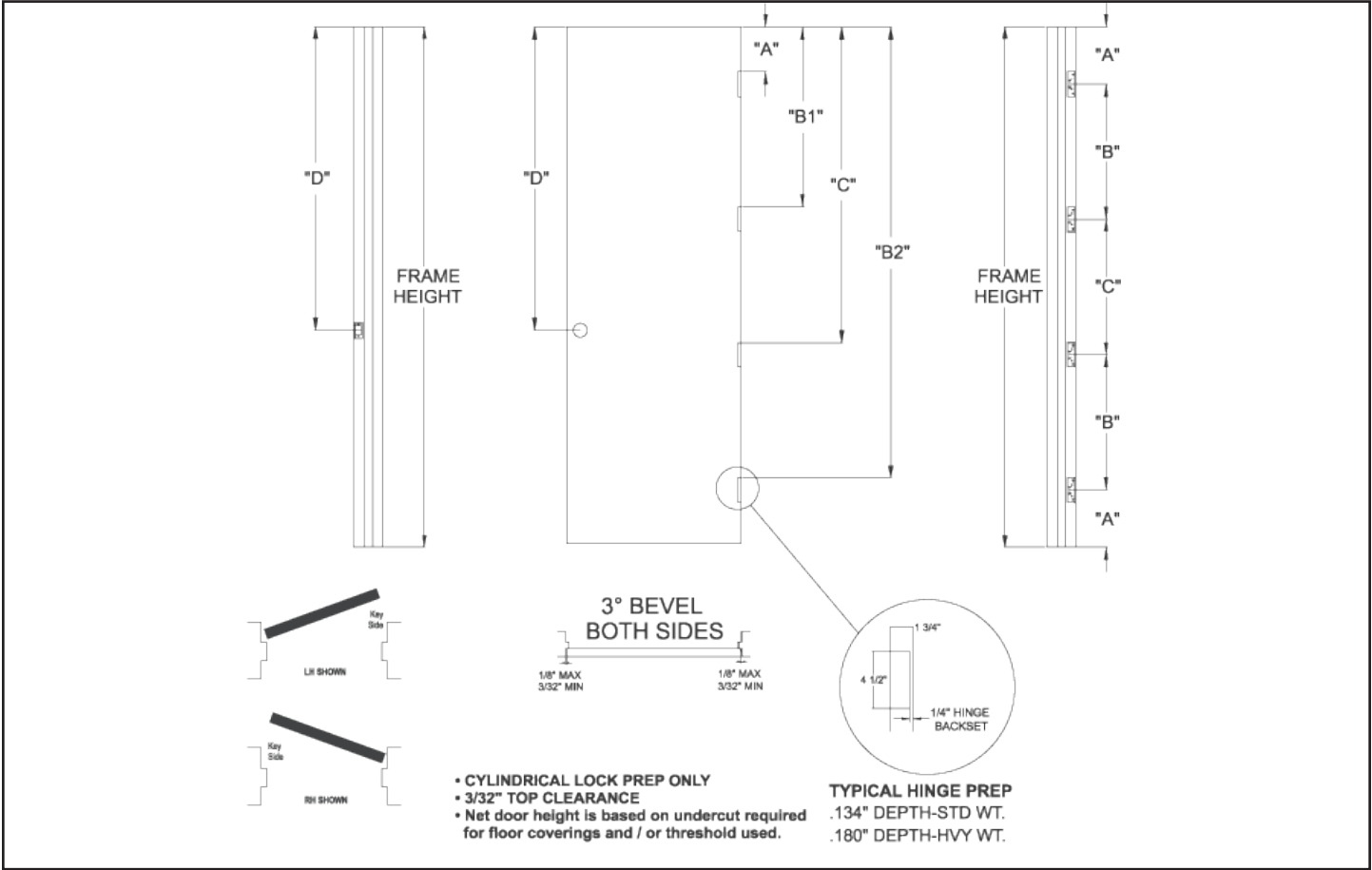
1-1/2 PAIR OF 4-1/2" (114) HINGES FOR 1-3/4" DOORS (RFS 31, RFS 32, RFS 33)



FRAME DIMENSIONS				
NOM FRAME HT	NET FRAME HEIGHT	"A"	"B"	"C"
5-0	60 3/16	10 19/32	19 1/2	20 3/32
5-1	61 3/16	10 19/32	20	21 3/32
5-2	62 3/16	10 19/32	20 1/2	22 3/32
5-4	64 3/16	10 19/32	21 1/2	24 3/32
6-0	72 3/16	10 19/32	25 1/2	32 3/32
6-8 Reversible	80 3/16	10 19/32	29 1/2	40 3/32
6-9	81 3/16	10 19/32	30	41 3/32
6-9 Reversible	81 3/16	10 19/32	30	40 19/32
7-0	84 3/16	10 19/32	31 1/2	44 3/32
7-0 Reversible	84 3/16	10 19/32	31 1/2	42 3/32
7-4	88 3/16	10 19/32	33 1/2	48 3/32
7-6	90 3/16	10 19/32	34 1/2	50 3/32

DOOR DIMENSIONS				
NET FRAME HEIGHT	"A"	"B1"	"B2"	"C"
60 3/16	8 1/4	27 3/4	47 1/4	20
61 3/16	8 1/4	28 1/4	48 1/4	21
62 3/16	8 1/4	28 3/4	49 1/4	22
64 3/16	8 1/4	29 3/4	51 1/4	24
72 3/16	8 1/4	33 3/4	59 1/4	32
80 3/16	8 1/4	37 3/4	67 1/4	40
81 3/16	8 1/4	38 1/4	68 1/4	41
81 3/16	8 1/4	38 1/4	68 1/4	40 1/2
84 3/16	8 1/4	39 3/4	71 1/4	44
84 3/16	8 1/4	39 3/4	71 1/4	42
88 3/16	8 1/4	41 3/4	75 1/4	48
90 3/16	8 1/4	42 3/4	77 1/4	50

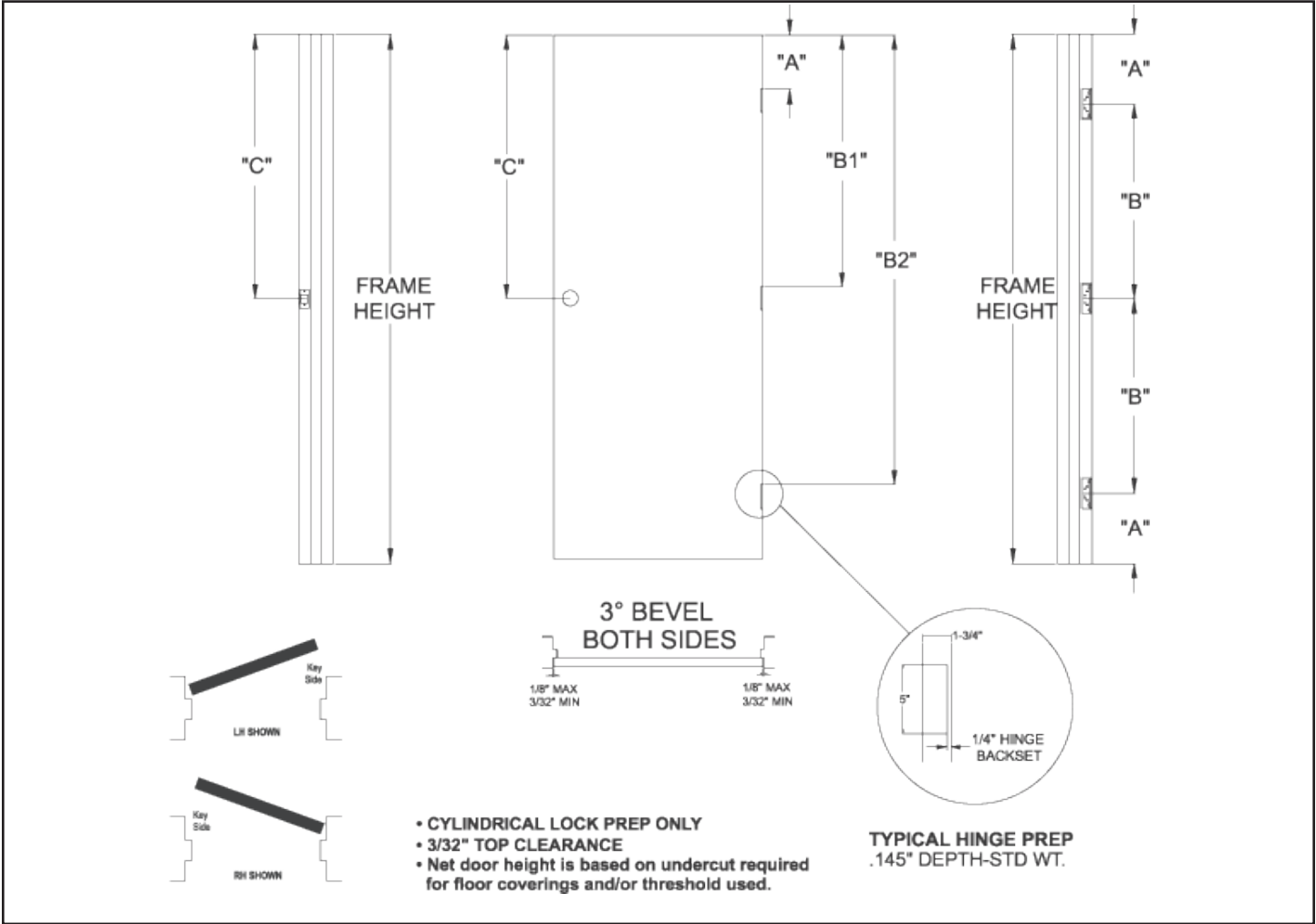
2 PAIR OF 4-1/2" (114) HINGES FOR 1-3/4" DOORS (RFS 35, RFS 36, RFS 37)



FRAME DIMENSIONS					
NOM FRAME HT	NET FRAME HEIGHT	"A"	"B"	"C"	"D"
6-0	72 3/16	10 19/32	17	17	32 3/32
6-8 Reversible	80 3/16	10 19/32	19 1/2	20	40 3/32
6-9	81 3/16	10 19/32	20	20	41 3/32
6-9 Reversible	81 3/16	10 19/32	20	20	40 19/32
6-10	82 3/16	10 19/32	20 1/4	20 1/2	42 3/32
7-0	84 3/16	10 19/32	21	21	44 3/32
7-0 Reversible	84 3/16	10 19/32	21	21	42 3/32
7-2	86 3/16	10 19/32	21 1/2	22	46 3/32
7-4	88 3/16	10 19/32	22 1/4	22 1/2	48 3/32
7-6	90 3/16	10 19/32	23	23	50 3/32
7-8	92 3/16	10 19/32	23 1/2	24	52 3/32
7-10	94 3/16	10 19/32	24 1/2	24	54 3/32
8-0	96 3/16	10 19/32	25	25	56 3/32
8-2	98 3/16	10 19/32	25 1/2	26	58 3/32
8-4	100 3/16	10 19/32	26 1/4	26 1/2	60 3/32
8-6	102 3/16	10 19/32	27	27	62 3/32
8-8	104 3/16	10 19/32	27 1/2	28	64 3/32
8-10	106 3/16	10 19/32	28 1/2	28	66 3/32
9-0	108 3/16	10 19/32	29	29	68 3/32

DOOR DIMENSIONS					
NET FRAME HEIGHT	"A"	"B1"	"C"	"B2"	"D"
72 3/16	8 1/4	25 1/4	42 1/4	59 1/4	32
80 3/16	8 1/4	27 3/4	47 3/4	67 1/4	40
81 3/16	8 1/4	28 1/4	48 1/4	68 1/4	41
81 3/16	8 1/4	28 1/4	48 1/4	68 1/4	40 1/2
82 3/16	8 1/4	28 1/2	49	69 1/4	42
84 3/16	8 1/4	29 1/4	50 1/4	71 1/4	44
84 3/16	8 1/4	29 1/4	50 1/4	71 1/4	42
86 3/16	8 1/4	29 3/4	51 3/4	73 1/4	46
88 3/16	8 1/4	30 1/2	53	75 1/4	48
90 3/16	8 1/4	31 1/4	54 1/4	77 1/4	50
92 3/16	8 1/4	31 3/4	55 3/4	79 1/4	52
94 3/16	8 1/4	32 3/4	56 3/4	81 1/4	54
96 3/16	8 1/4	33 1/4	58 1/4	83 1/4	56
98 3/16	8 1/4	33 3/4	59 3/4	85 1/4	58
100 3/16	8 1/4	34 1/2	61	87 1/4	60
102 3/16	8 1/4	35 1/4	62 1/4	89 1/4	62
104 3/16	8 1/4	35 3/4	63 3/4	91 1/4	64
106 3/16	8 1/4	36 3/4	64 3/4	93 1/4	66
108 3/16	8 1/4	37 1/4	66 1/4	95 1/4	68

1-1/2 PAIR OF 5" (127) HINGES FOR 1-3/4" DOORS



FRAME DIMENSIONS				
NOM FRAME HT	NET FRAME HEIGHT	"A"	"B"	"C"
5-0	60 3/16	10 27/32	19 1/4	20 3/32
5-1	61 3/16	10 27/32	19 3/4	21 3/32
5-2	62 3/16	10 27/32	20 1/4	22 3/32
5-4	64 3/16	10 27/32	21 1/4	24 3/32
6-0	72 3/16	10 27/32	25 1/4	32 3/32
6-8 Reversible	80 3/16	10 27/32	29 1/4	40 3/32
6-9	81 3/16	10 27/32	29 3/4	41 3/32
6-9 Reversible	81 3/16	10 27/32	29 3/4	40 19/32
7-0	84 3/16	10 27/32	31 1/4	44 3/32
7-0 Reversible	84 3/16	10 27/32	31 1/4	42 3/32
7-4	88 3/16	10 27/32	33 1/4	48 3/32
7-6	90 3/16	10 27/32	34 1/4	50 3/32

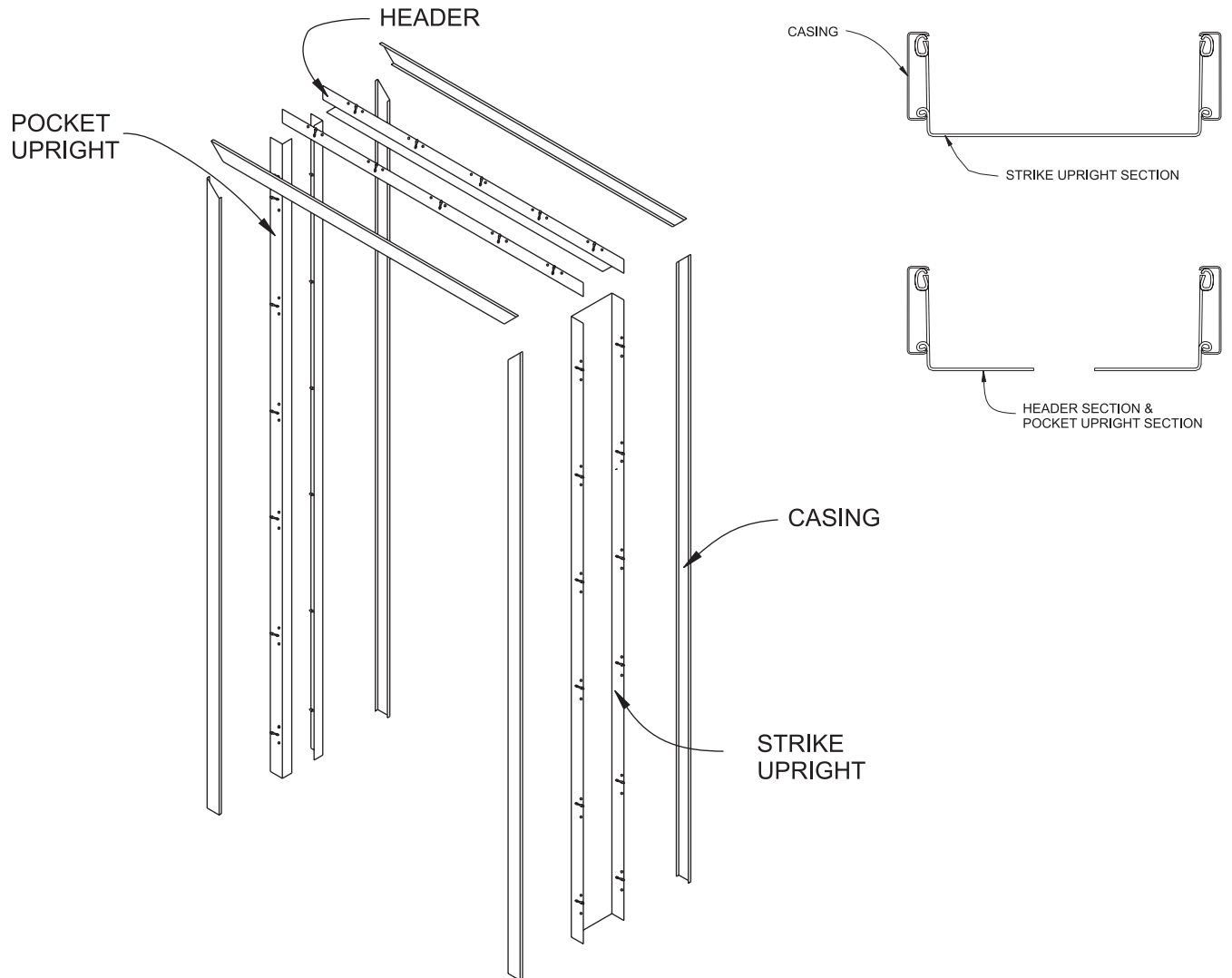
DOOR DIMENSIONS				
NET FRAME HEIGHT	"A"	"B1"	"B2"	"C"
60 3/16	8 1/4	27 1/2	46 3/4	20
61 3/16	8 1/4	28	47 3/4	21
62 3/16	8 1/4	28 1/2	48 3/4	22
64 3/16	8 1/4	29 1/2	50 3/4	24
72 3/16	8 1/4	33 1/2	58 3/4	32
80 3/16	8 1/4	37 1/2	66 3/4	40
81 3/16	8 1/4	38	67 3/4	41
81 3/16	8 1/4	38	67 3/4	40 1/2
84 3/16	8 1/4	39 1/2	70 3/4	44
84 3/16	8 1/4	39 1/2	70 3/4	42
88 3/16	8 1/4	41 1/2	74 3/4	48
90 3/16	8 1/4	42 1/2	76 3/4	50

INSTALLATION SHEET

Keep These Instructions!

PLEASE FOLLOW ALL INSTRUCTIONS AND ALWAYS USE PROTECTIVE EYEWEAR WHEN INSTALLING DOOR FRAMES. PLEASE READ INSTRUCTIONS COMPLETELY.

POCKET DOOR INSTALLATION SHEET



INSTALLATION QUESTIONS OR MISSING PARTS? DO NOT RETURN THIS DOOR TO THE STORE!

Thank you for purchasing this Rediframe product. We take pride in the products we manufacture and are confident you will be pleased with your selection. However, sometimes a product may leave our factory in less than perfect condition. If you have questions or are missing component parts necessary to complete the installation, **do not return to the place of purchase**. Give us a call first. More than likely, we can solve the problem without the hassle and expense of returning product to the store. **Call Customer Service:** 1-800-633-7553 from 8:00 a.m. to 5:00 p.m. CST, Monday through Friday.

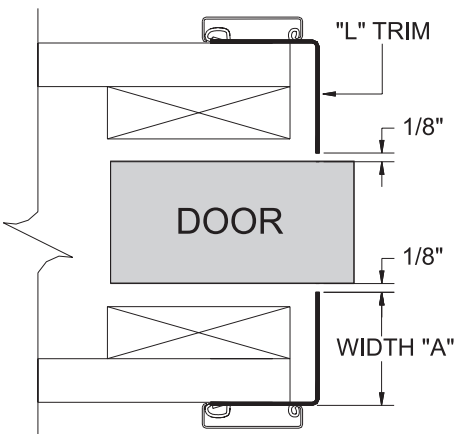


REDIFRAME™

Door Frames

P.O. BOX 6416 | DOTHAN, ALABAMA 36302-6416
800-633-7553
334-793-3462 (fax)
www.dunbarton.com
email: slimfold@dunbarton.com

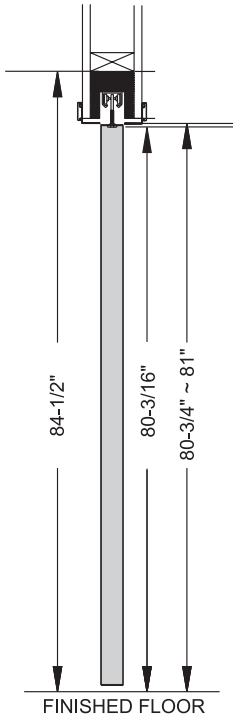
"L" Trim Dimensions



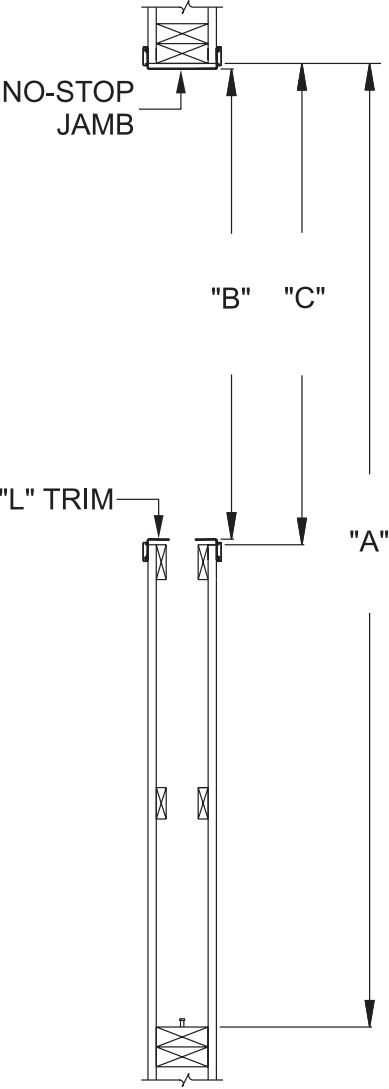
"L" TRIM SELECTION		
Wall Size	Width	
	1-3/8" Door	1-3/4" Door
4-1/2"	1-7/16"	1-1/4"
4-5/8"	1-1/2"	1-5/16"
4-3/4"	1-9/16"	1-3/8"
4-7/8"	1-5/8"	1-7/16"
5-3/8"	1-7/8"	1-11/16"
6-3/4"	2-1/2"	2-5/16"
6-7/8"	2-5/8"	2-7/16"

"L" Width =
$$\frac{\text{Wall Size} - \text{Door Thickness} - 1/4"}{2}$$

Jamb Height Dimensions



Rough Openings



Nominal Width	Pocket Door System Rough Opening	Exposed Door R.O. (-1/2")	Door R.O. (+3/4")
1'6"	37"	17-1/2"	18-3/4"
1'8"	41"	19-1/2"	20-3/4"
2'0"	49"	23-1/2"	24-3/4"
2'4"	57"	27-1/2"	28-3/4"
2'6"	61"	29-1/2"	30-3/4"
2'8"	65"	31-1/2"	32-3/4"
2'10"	69"	33-1/2"	34-3/4"
3'0"	73"	35-1/2"	36-3/4"
3'4"	81"	39-1/2"	40-3/4"
3'6"	85"	41-1/2"	42-3/4"
3'8"	89"	43-1/2"	44-3/4"

Prefinished Pocket Frame set Installation

Install the pocket door frame kit provided by others following its manufacturer's installation instructions.

Install drywall and finish the wall. Painting and any wall coverings are to be completed.

Hang door on the pocket door track and adjust the pocket door as required so it is plumb and rolling freely.

Roll the door into the opening leaving 3/8" inside the pocket. Place a mark on the floor at the strike end of the door (this will be your reference point to install the strike jamb).

Check the floor to determine the high side of the opening you will have to adjust the header height from this point.

Check to make sure the door has remained plumb. Adjust if required.

1. Sleeve the strike jamb onto the wall. Line the bottom of the strike jamb up with the mark you made on the floor.
2. Raise the strike jamb off the floor about 1/8" and place one screw at the bottom (if the high side of the opening is at the pocket end then raise the strike jamb the extra amount as required).
3. Plumb the strike jamb and place one screw at the top. Close the door until it is tight to the strike jamb at the bottom. Make sure the door and strike jamb are fitting together tightly. Place screws as required to hold the strike jamb in place.
4. Place the L-trim header and one L-trim upright onto wall (Note the Notch for the door guide goes at the bottom).
5. Line the header L-trim up with the strike jamb making sure it is pulled down tight to the strike jamb and place one screw to hold it in place (Note use shorter screws that will not protrude into the pocket opening).
6. Level the L-trim header placing screws beside the casing tabs.
7. Raise the L-trim upright until it is tight to the header and lined up with the end of the header placing one screw at the top to hold it in place.
8. Open the door into the pocket. If the door rolls to far back into the pocket, it will be necessary to place a shim onto the edge of the door so it is even with the L-trim when the door is open at the top of the door.



Door Frames

Prefinished Pocket Frame set Installation

9. With the door open work from the top down fastening the L-trim to the wall maintaining an even distance with the edge of the door.
10. A screw must be installed beside each casing tab on Strike jamb and L-trim pieces.

Repeat steps 1 through 10 on other side of opening.

Adjust the door guides at the bottom of the opening so the door rolls freely.

Install casing.

Sleeve the casing corner connectors into the header casing. The header casing is sighted in so that it is centered on the header. Then it is hooked over the outside of the tabs on the frame. Snap the casing down onto the tabs using an outside to inside rolling motion.

Sleeve one of the upright casings onto the header corner connector and snap down.

Adjust the casings to maintain a true 45°. Install other upright casing. Repeat casing installation on other side of the opening.



Door Frames

☐ Quote # _____

☐ or
Sales Order # _____

Date _____

Purchase Order # _____

SOLD TO _____

Ordered by _____

Phone # (____) _____

Fax # (____) _____



REDIFRAME®

PRODUCTS ORDER FORM

1101 Technology Drive PO Box 8577
Dothan, Alabama 36304-0577
334.794.0661 | 334.794.9184 (fax)
\\ orders@dunbarton.com

Page _____ of _____

Ship Date Requested _____

SHIP TO _____

Jobsite Phone # (____) _____

Contact _____

NOTE: Non-standard hinge, strike and threshold preps require customer-approved drawings before an order may be entered.

Quantity	Frame Type	Gauge			Steel	Wall Size	RFS #	Frame	Side-Light	Mulls	Hand	Fire Rating	Color	Casing & Prep	Strike Prep	D-Bolt Prep	T-Hold Prep	Drwg #	Price
		Frame	Base	Clsr				Width x Height											
											H								
Comments:																			
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REDIFRAME® ORDER CHECK LIST

We must have the following information before an order can be entered and scheduled for production and delivery. Purchase orders and order forms may be mailed, faxed, or called in as long as they are confirmed in writing ten (10) days prior to shipping. This check list is intended as a reference sheet and may be applicable in every situation (especially Rediflex®). While this list will guide you through the basic order entry process, Rediframe's Customer Service Department is still your best source when questions arise.

- ✓
- ☐ **QUANTITY**
 - ☐ **LIST PRICE**
 - ☐ **MULTIPLIER**
 - ☐ **FRAME TYPE:**
 - Rediframe®**
 - Kerf
 - Non-Kerf
 - Rediflex®**
 - Kerf
 - Non-Kerf
 - Sidelite / Borrowed Lite**
 - Non-Kerf Rediframe® Only
 - ☐ **STEEL GAUGE / TYPE:**
 - Frame for Rediframe®, Sidelite and Borrowed Lite
 - Base and Closure for Rediflex®
 - **CRS** = Cold-Rolled
 - **GALV** = Galvanized (A40)
 - ☐ **WALL SIZE:**
 - Stud dimension + sheet rock and / or sheathing thickness on both sides of stud
 - ☐ **HINGE AND STRIKE PREP:**
 - RFS#: Refer to Hardware Preps, page 3 of RF201 price list
 - Drawing REQUIRED for custom hinge and strike preps
 - ☐ **FRAME WIDTH AND HEIGHT:**
 - (See form 61270062 "Standard Hinge and Strike Prefitting Instructions")
 - ☐ **FRAME WIDTH AND HEIGHT:**
 - Standard – Nominal dimensions; Non-Standard – Actual dimensions
 - ☐ **SIDELITE WIDTH:**
 - 6", 12", 8", etc.
 - ☐ **FRAME HANDING:** Left or Right Hand, if needed
 - Standard 6'8" Rediframe® does not required handling if deadbolt prep is not required
 - ☐ **FIRE RATING:**
 - 20-, 45-, 60-, or 90-minute
 - ☐ **COLOR:**
 - If custom, has paint chip been sent to factory?
 - ☐ **CASING:**
 - Steel, S56, Aluminum, Wood (supplied by others)
 - ☐ **HARDWARE PREPS:**
 - 2-3/4" "T"
 - 4-7/8" ASA Adjustable Strike
 - Deadbolt Strike (centerline dimensions) e.g. 4" C.L. = 4" Centerline
 - Reversible Flush Bolt Prep
 - Full Lip Strike
 - 4" Hinges: Must specify Hinge Type, Size, and Pattern (e.g. 4" x 5/8" Radius Template Pattern)
 - ☐ **THRESHOLD PREP REQUIRED?** (Rediflex® only)
 - ☐ **DRAWING NUMBER** (e.g. RFS4 or SH1)
 - ☐ **LIST PRICE**
 - ☐ **SHIP TO ADDRESS AND DELIVERY POINT PHONE NUMBER** (if applicable)

Quantity	Frame Type	Gauge		Steel	Wall Size	RFS #	Frame		Side-Light	Mullis	Hand	Fire Rating	Color	Casing & Prep	Strike Prep	D-Bolt Prep	Threshold Prep	Dwg #	Price
		Frame	Base				Width	Height											
100	Rediframe®	18	-	-	Galv	4-5/8"	5	30" x 70"	-	-	RH	90	BR	Wood	Std	4"CL	-	RFS4	
Comments:																			
1	Sidelite	18	-	-	Galv	4-7/8"	31	30" x 70"	24"	-	RH	NR	PR	Steel	ANSI	-	-	D-1	
Comments:																			
1	Borrowed Lite	18	-	-	Galv	4-7/8"	-	36" x 36"	-	-	-	-	-	PR	Steel	-	-	D-2	
Comments:																			

For more information, please contact Customer Service: 800-633-7553
Submit completed forms to: orders@dunbarton.com

☐ Quote # _____
☐ or
 Sales Order # _____

Date _____

Purchase Order # _____

SOLD TO _____

Ordered by _____

Phone # (_____) _____

Fax # (_____) _____



PRODUCTS ORDER FORM

1101 Technology Drive PO Box 8577
 Dothan, Alabama 36304-0577
 334.794.0661 | 334.794.9184 (fax)
800.633.7553

www.dunbarton.com | orders@dunbarton.com

Page _____ of _____

Ship Date Requested _____

SHIP TO _____

Jobsite Phone # (_____) _____

Contact _____

NOTE: Non-standard hinge, strike and threshold preps require customer-approved drawings before an order may be entered.

Quantity	Frame Type	Gauge			Steel	Wall Size	RFS #	Frame Width x Height	Side-Light	Mulls	Hand	Fire Rating	Color	Casing & Prep	Strike Prep	D-Bolt Prep	T-Hold Prep	Drwg #	Price
		Frame	Base	Clsr															
											H								
Comments:																			
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REDIFRAME® ORDER CHECK LIST

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- ☐ **QUANTITY**
- ☐ **LIST PRICE**
- ☐ **MULTIPLIER**

- ☐ **FRAME TYPE:**

Rediframe®	Rediflex®	Sidelite / Borrowed Lite
• Kerf	• Kerf	• Non-Kerf Rediframe® Only
• Non-Kerf	• Non-Kerf	

- ☐ **STEEL GAUGE / TYPE:**

- Frame for Rediframe®, Sidelite and Borrowed Lite
- Base and Closure for Rediflex®
- **CRS** = Cold-Rolled
- **GALV** = Galvanized (A40)

- ☐ **WALL SIZE:**

- Stud dimension + sheet rock and / or sheathing thickness on both sides of stud

- ☐ **HINGE AND STRIKE PREP:**

- RFS#: Refer to Hardware Preps, page 3 of RF201 price list
- Drawing REQUIRED for custom hinge and strike preps
 (See form 61270062 "Standard Hinge and Strike Prefitting Instructions")

- ☐ **FRAME WIDTH AND HEIGHT:**

- Standard – Nominal dimensions; Non-Standard – Actual dimensions

- ☐ **SIDELITE WIDTH:**

- 6", 12", 8", etc.

- ☐ **FRAME HANDING:** Left or Right Hand, if needed

- Standard 6'8" Rediframe® does not required handing if deadbolt prep is not required

- ☐ **FIRE RATING:**

- 20-, 45-, 60-, or 90-minute

- ☐ **COLOR:**

- If custom, has paint chip been sent to factory?

- ☐ **CASING:**

- Steel, S56, Aluminum, Wood (supplied by others)

- ☐ **HARDWARE PREPS:**

- 2-3/4" "T"
- 4-7/8" ASA Adjustable Strike
- Deadbolt Strike (centerline dimensions) e.g. 4" C.L. = 4" Centerline
- Reversible Flush Bolt Prep
- Full Lip Strike
- 4" Hinges: Must specify Hinge Type, Size, and Pattern (e.g. 4" x 5/8" Radius Template Pattern)

- ☐ **THRESHOLD PREP REQUIRED?** (Rediflex® only)

- ☐ **DRAWING NUMBER** (e.g. RFS4 or SH1)

- ☐ **LIST PRICE**

- ☐ **SHIP TO ADDRESS AND DELIVERY POINT PHONE NUMBER** (if applicable)

Quantity	Frame Type	Gauge			Steel	Wall Size	RFS #	Frame	Side-Light	Mulls	Hand	Fire Rating	Color	Casing & Prep	Strike Prep	D-Bolt Prep	T-Hold Prep	Drwg #	Price
		Frame	Base	Clsr				Width x Height											
100	Rediframe®	18	–	–	Galv	4-5/8"	5	3'0" x 7'0"	–	–	RH	90	BR	Wood	Std	4"CL	–	RFS4	
Comments:																			
1	Side Lite	18	–	–	Galv	4-7/8"	31	3'0" x 7'0"	24"	–	RH	NR	PR	Steel	ANSI	–	–	D-1	
Comments:																			
1	Borrowed Lite	18	–	–	Galv	4-7/8"	–	36" x 36"	–	–	–	–	PR	Steel	–	–	–	D-2	
Comments:																			

For more information, please contact Customer Service: 800-633-7553

REDIFRAME® FIRE RATINGS

UL 10B (Neutral) and UL 10C (Positive)

REDIFRAME® / KERF REDIFRAME® PREFINISHED DOOR FRAMES *SINGLE AND PAIR DOOR FRAMES (1-3/4" DOOR)

Rating	Maximum Opening Size	*Minimum Wall Size	Frame Gauge	Test Standard	Edge Seals
90 min.	4'0" x 9'0"	3-1/2"	18 or 20	Neutral	Not Required
90 min.	8'0" x 9'0"	3-1/2"	18 or 20	Neutral	Not Required
90 min.	4'0" x 9'0"	3-1/2"	18 or 20	Positive	*Listed
90 min.	8'0" x 9'0"	3-1/2"	18 or 20	Positive	*Listed

*4" Minimum Wall for Kerf Rediframe

"S" Smoke and Draft label; applicable only if listed Category H Smoke and Draft Control Gasket is applied.

SIDELITE / TRANSOM ASSEMBLY FRAMES (1-3/4" DOORS) MAXIMUM ASSEMBLY SIZE — 10' Width x 10' Height

Rating	Minimum Wall Size	Maximum Glass Width+	Maximum Glass Height+	Frame Gauge	Glass Type	Test Standard	Maximum Door Size	Glazing Material	Max. Assembly Size
45 min.	3-1/2"	24"	106"	18 or 20	Wire	Neutral	3'0" x 9'0"	Not Required	10'0" x 10'0"
45 min.	3-1/2"	36"	36"	18 or 20	Wire	Neutral	3'0" x 9'0"	Not Required	10'0" x 10'0"
45 min.	3-1/2"	36"	94"	18 or 20	Ceramic	Neutral	3'0" x 9'0"	Listed	10'0" x 10'0"
45 min.	3-1/2"	24"	106"	18 or 20	Wire	Positive	3'0" x 9'0"	Listed	10'0" x 10'0"
45 min.	3-1/2"	36"	94"	18 or 20	Ceramic	Positive	3'0" x 9'0"	Listed	10'0" x 10'0"

+ Visible glass equals glass size - 2 X stop height (5/8") Example: 36" Glass Width = 34-3/4" Visible Glass

FIRE WINDOW FRAMES

Rating	Minimum Wall Size	Maximum Glass Width+	Maximum Glass Height+	Frame Gauge	Glass Type	Test Standard	Glazing Material	Max. Assembly Size
45 min.	3-1/2"	24"	106"	18 or 20	Wire	Neutral	Not Required	10'0" x 10'0"
45 min.	3-1/2"	36"	36"	18 or 20	Wire	Neutral	Not Required	10'0" x 10'0"
60 min.	3-1/2"	36"	36"	18 or 20	Wire	Neutral	Listed	9'4" x 3'0"
45 min.	3-1/2"	24"	106"	18 or 20	Wire	Positive	Listed	10'0" x 10'0"
45 min.	3-1/2"	36"	94"	18 or 20	Ceramic	Positive	Listed	10'0" x 10'0"

+ Visible glass equals glass size - 2 X stop height (5/8") Example: 36" Glass Width = 34-3/4" Visible Glass

REDIFLEX® ADJUSTABLE FRAMES

Rating	Minimum Wall Size	Base Gauge	Closure Gauge	Maximum Frame Size	Test Standard	Edge Seals
90 min.	4"	18 or 20	22 or 18	3'6" x 7'1"	Neutral	Not Required
90 min.	4"	18	22 or 18	3'0" x 8'0"	Neutral	Not Required
90 min.	4"	18	22 or 18	6'0" x 7'0"	Neutral	Not Required
60 min.**	4"	18	22 or 18	8'0" x 8'0"	Neutral	Not Required
90 min.	4"	18 or 20	22 or 18	3'0" x 7'0"	Positive	*Listed
90 min.	4"	18	22 or 18	3'0" x 8'0"	Positive	*Listed
90 min.	4"	18	22 or 18	6'0" x 7'0"	Positive	*Listed
60 min.**	4"	18	22 or 18	8'0" x 8'0"	Positive	*Listed

**Reinforcing screws required

ALL RATINGS ARE SUITABLE FOR STEEL, ALUMINUM, S56 STEEL COLONIAL OR WOOD TRIM.



REDIFRAME® FLORIDA BUILDING CODE DOOR PARTNERS

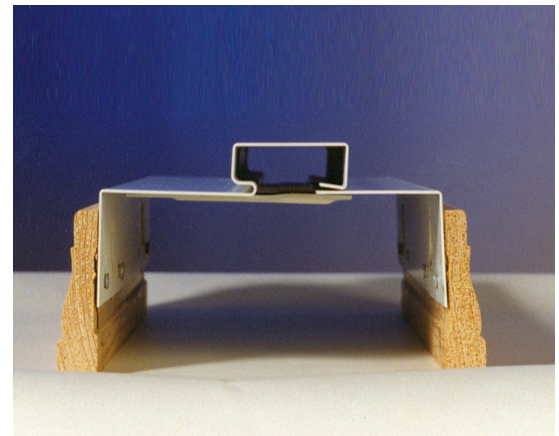
Testing per Florida Building Code (2010 edition), including High Velocity Hurricane Zone (HVHZ)

	Style	Frame Tested / Application No.	Description	Type	PSF	Florida Building Code	Wind Borne Debris Regions FBC 1609.1.4	HVHZ
Taylor	Taylor	Rediflex - FL14513.3	3'6" x 7'0" Opaque Steel Door; Steel Edge	Exterior, Swinging	+/- 60.0	Yes	Yes	No
	Taylor	Rediflex - FL15341.1	3'0" x 6'8" Opaque Steel Door; Steel Edge	Exterior, Swinging	+/- 66.0	Yes	Yes	Yes/ No impact resistant covering required
	Taylor	Rediframe - FL15366.1	3'0" x 6'8" Opaque Steel Door; Steel Edge	Exterior, Swinging	+/- 66.0	Yes	Yes	Yes/ No impact resistant covering required
Masonite	Masonite	Rediframe - FL15366.2	3'0" x 7'0", Opaque Steel Door	Exterior, Swinging	+/- 66.0	Yes	Yes	No
	Masonite	Rediflex - FL15341.2	3'0" x 7'0", Opaque Steel Door	Exterior, Swinging	+/- 66.0	Yes	Yes	No
	Masonite	Rediflex - FL15341.5	3'0" x 8'0", Opaque Steel Door	Exterior, Swinging	+/-55.0	Yes	Yes	Yes
	Masonite	Rediflex - FL15341.6	3'0" x 6'8", Opaque Steel Door	Exterior, Swinging	+/- 65.0	Yes	Yes	Yes
	Masonite	Rediflex - FL15341.7	6'0" x 6'8", Double, Opaque Steel Door	Exterior, Swinging	+/- 55.0	Yes	Yes	Yes
Jeld-Wen	Jeld-Wen	Rediflex - FL15341.3	3'0" x 7'0", Opaque Steel Door	Exterior, Swinging	+/- 66.0	Yes	Yes	Yes
	Jeld-Wen	Rediflex - FL15341.4	3'0" x 8'0", Opaque Steel Door	Exterior, Swinging	+/- 55.0	Yes	Yes	Yes
	Jeld-Wen	Rediflex - FL15341.8	6'0" x 6'8", Double, Opaque Steel Door	Exterior, Swinging	+/- 55.0	Yes	Yes	Yes
	Jeld-Wen	Rediflex - FL16163.1	3'0" x 7'0", Opaque Steel Door	Exterior, Swinging	+/- 66.0	Yes	Yes	Yes
	Jeld-Wen	Rediflex - FL16163.2	3'0" x 7'0", Opaque Steel Door	Exterior, Swinging	+/- 66.0	Yes	Yes	Yes
	Jeld-Wen	Rediflex - FL16163.3	3'0" x 7'0", Opaque Steel Door	Exterior, Swinging	+/- 47.0	Yes	Yes	Yes
	Jeld-Wen	Rediflex - FL16163.4	3'0" x 7'0", Opaque Steel Door	Exterior, Swinging	+/- 47.0	Yes	Yes	No
	Jeld-Wen	Rediframe - FL15366.3	3'0" x 7'0", Opaque Steel Door	Exterior, Swinging	+/- 66.0	Yes	Yes	No
Therma Tru	Therma Tru - Fiberglass	Rediflex - FL15364.1	3'0" x 6'8"	Exterior, Swinging	+/- 66.0	Yes	Yes	No
	Therma Tru - Fiberglass	Rediframe - FL15367.1	3'0" x 6'8"	Exterior, Swinging	+/- 66.0	Yes	Yes	No
	Therma Tru - Glazed	Rediflex - FL15364.4	3'0" x 6'8"	Exterior, Swinging	+/- 55.0	Yes	Yes	No
	Therma Tru - Glazed	Rediflex - FL15364.5	3'0" x 6'8"	Exterior, Swinging	+/- 55.0	Yes	Yes	Yes
Trinity Glass	Trinity Glass - Fiberglass	Rediflex - FL15364.2	3'0" x 6'8"	Exterior, Swinging	+/- 65.0	Yes	Yes	No
	Trinity Glass - Fiberglass	Rediframe - FL1367.2	3'0" x 6'8"	Exterior, Swinging	+65/-66	Yes	Yes	No
	Plastpro/Nan Ya - Fiberglass	Rediflex - FL15364.3	3'0" x 6'8"	Exterior, Swinging	+/- 50.0	Yes	Yes	No
	Plastpro/Nan Ya - Fiberglass	Rediframe - FL15367.3	3'0" x 6'8"	Exterior, Swinging	+/-50.0	Yes	Yes	No



REDIFRAME®

1101 Technology Drive | Dothan, Alabama 36303
800.633.7553 | 334.794.9184 fax
www.dunbarton.com | sales@dunbarton.com



Rediflex® Adjustable 18 or 20 Gauge Steel*

Rediflex® is an adjustable throat steel door frame designed for interior and exterior applications where varying wall sizes must be accommodated and for prehang. Residential or light commercial, new or remodeling construction.

- 1-3/8" and 1-3/4" doors only
- 4" to 12-1/4" wall sizes (1-1/4" adjustment)
- 5/8" stop height
- Single and pair doors
- Demountable without damage to the finished wall, door or frame
- Standard frame is cold-rolled steel per ASTM A366
- Standard casing is 22-gauge cold-rolled steel per ASTM A366
- 3-1/2", 4" and 4-1/2" hinge preps
- 2-3/4" T-strike prep

Options

- S56 Steel Colonial casing, aluminum casing, or wood casing prep.
- Galvanized Standard Casing (A-40)
- Galvanized Frame (A-40)
- Special hinge or strike location
- Dutch Door
- Universal Hinge Prep (no charge)
- 4-7/8" adjustable ASA strike prep (no charge)
- 2-3/4" Deadbolt strike
- 2-1/4" Full lip strike (1-3/4" doors)

*Base side: 18 or 20 gauge
Closure side: 18 or 22 gauge

Kerf Rediflex® Adjustable for Weatherstripping 18 or 20 Gauge Steel*

Kerf profile option for Rediflex® is an adjustable throat steel door frame designed for prehang applications. Residential or light commercial, new or remodeling construction.

- 1-3/4" doors only
- 4" to 12-1/2" wall sizes (1" adjustment)
- 5/8" stop height
- Demountable without damage to the finished wall, door or frame
- Standard frame is cold-rolled steel per ASTM A366
- Prepped with anchoring holes with vision slot for wood casing.
- 4" and 4-1/2" hinge preps
- 2-3/4" T-strike prep

Options

- S56 Steel Colonial casing, aluminum casing, or steel casing prep optional.
- Galvanized Standard Casing (A-40)
- Galvanized Frame (A-40)
- Special hinge or strike location
- Accommodates non-standard wall size
- Universal Hinge Prep (no charge)
- 4-7/8" adjustable ASA strike prep (no charge)
- 2-3/4" Deadbolt strike
- 2-1/4" Full lip strike (1-3/4" doors)
- Threshold prep

*Base side: 18 or 20 gauge
Closure side: 18 or 22 gauge

RediFlex® Installation Procedure



REDIFLEX® INSTALLATION
Assemble base unit consisting of base header and uprights, threshold, and door. Rotate base unit into the opening.

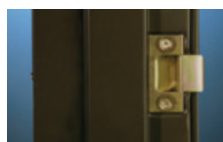


Install frame closure pieces after setting clearances. Attach to wall using recommended fasteners.

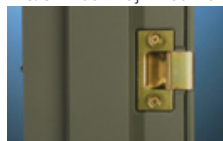


Apply wood casing using the vision slots on the frame. Standard Steel, aluminum or S56 steel is applied same as Rediframe® with appropriate clip system.

Strike Preps



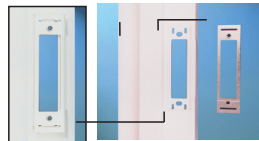
1-3/8" Door Adj. T-Strike



1-3/4" Door Adj. T-Strike



Deadbolt Strike



ASA Adjustable (Patented)
Embossed Tabs to maintain correct adjustment; widened screw hole allows for strike plate movement.

Hinge Preps



Universal Hinge Prep



3-1/2" Radius Hinge Prep



4" Radius Hinge Prep



4-1/2" Hinge Prep

Hinge Prep Specifications

Size	Type	RF	Product		
			Kerf RF	RFX	Kerf RFX
3-1/2"	1/4" Radius Corner (1-3/8" door)	■	—	■	—
3-1/2"	5/8" Radius Corner (1-3/8" door)	■*	—	■	—
4"	1/4" Radius Corner	■	■	■	■
4"	5/8" Radius UHP*	■*	■*	■*	■*
4-1/2"	Square Corner (.134) Std. Weight	■	■	■	■
4-1/2"	Square Corner (.180) Heavy Weight	■**	■**	—	—
5"	Square Corner (.145) Heavy Weight	■**	■**	—	—

*UHP = Universal Hinge Prep; Adapts to Pease, Taylor, Therma Tru, Masonite, and standard template hinge patterns.

Strike Prep Specifications

Size	Type	RF	Product		
			Kerf RF	RFX	Kerf RFX
1-1/4" x 2-3/4"	"T" Strike Emboss (1-3/8" door)	■	—	■	—
1-1/4" x 2-3/4"	"T" Strike Emboss (1-3/4" door)	■	■	■	■
1-1/4" x 4-7/8"	"ASA" Adjustable Strike Emboss (1-3/4" door)	■*	■*	■*	■*
1-3/8" x 2-3/4"	Deadbolt Strike Emboss (1-3/4" door)	■*	■*	■*	■*
1-1/2" x 2-1/4"	Full Lip Strike (1-3/4" door)	■*	■*	■*	■*

* = Option / NC ** = Option / Upcharge

Details

RediFlex® Adjustable Frame



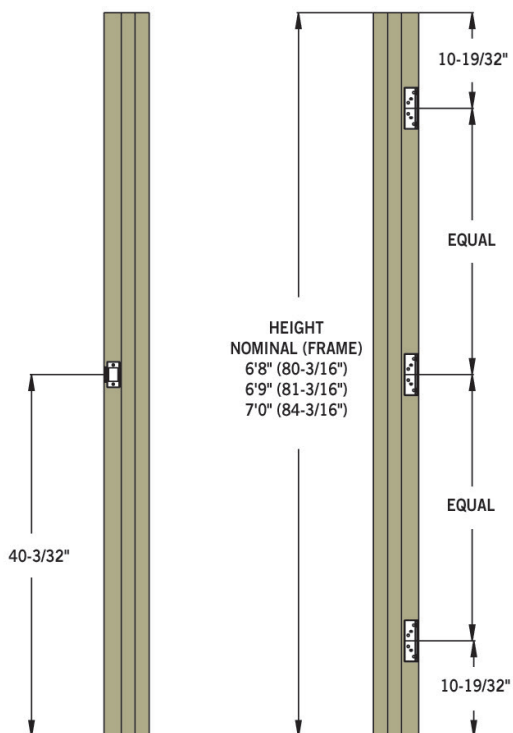
Kerf RediFlex® Adjustable Frame



Hinge & Strike Locations

Hinge and Strike Locations

4-1/2" hinges, 2-3/4" "T" Strike or 4-7/8" ASA Strike

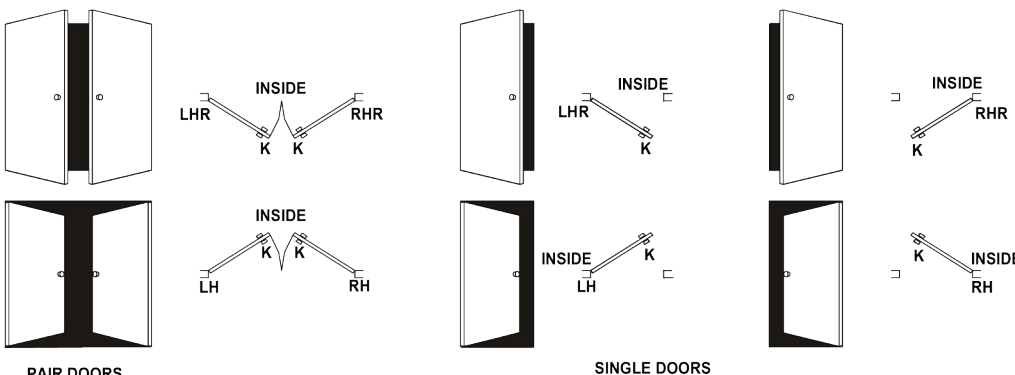


1101 Technology Drive | Dothan, Alabama 36303
800.633.7553 | 334.794.9184 fax
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RF709 Rev. 12.2016

PROJECT DATA

PROJECT:	
LOCATION:	
ARCHITECT:	
CONTRACTOR:	
DISTRIBUTOR:	

 PAIR DOORS SINGLE DOORS	REVISIONS	DATE

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REDIFRAME NOTES

1. Material will be fabricated in acceptance with these drawings only after receipt of Architect Approval and approved hardware schedule with all necessary hardware templates.
2. Frames will be reinforced for hinge and strike embossment and surface mounted hardware. Drilling and tapping of surface mounted hardware will be done by others.
3. Frame manufacturer's standard baked on synthetic enamel shall be applied over a chemically cleaned and phosphate coated surface. Paint film thickness shall be approximately 1.0 mil for finished paint and .5 mil for prime painted surfaces. Store material in a protected area under cover on wooden pallets and keep material vented to avoid condensation until ready for installation.
4. Refer to detail sheets for standard preps, jamb profiles, frame elevations, anchoring and sizes. Qualified personnel who have been approved by the Architect or owner's representative shall perform assembly and installation, including field modifications.
5. The manufacturer or a modification distributor approved by the manufacturer shall perform all product modification.
6. Furnishing and installation of all glass and builders hardware to be by others unless otherwise specified.
7. Columns on schedule sheets referring to hardware are for distributor use only and may be changed after receipt of approved hardware schedule.
8. Install rubber bumpers as instructed: Single Door Frame—one per header and two per strike jamb; Pair Door Frame—two per header.
9. Hardware locations detailed on these drawings are to this manufacturers standard locations and are for standard types of hardware. Prior approval and acceptance for preparation of non-standard hardware or at non-standard locations must be secured before fabrication is started.
10. Door closer reinforcement brackets are required for fire-labeled openings and are recommended for non-labeled openings requiring door closers.

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REDIFRAME STANDARD HARDWARE PREPS

RFS#	HEIGHT	HINGE PREP	STRIKE PREP	DOOR THICKNESS
1	6'8", 6'9", 7'0"	1 PAIR 3-1/2"	2-3/4" "T"	1-3/8" SINGLE DOOR
2	6'8", 6'9", 7'0"	1 PAIR 3-1/2"	NONE	1-3/8" SINGLE DOOR
3	6'8", 6'9", 7'0"	1-1/2 PAIR 3-1/2"	2-3/4" "T"	1-3/8" SINGLE DOOR
4	6'8", 6'9", 7'0"	1-1/2 PAIR 3-1/2"	NONE	1-3/8" SINGLE DOOR
5	6'8", 6'9", 7'0"	1-1/2 PAIR 4"	ASA OR 2-3/4" "T"	1-3/4" SINGLE DOOR
6	6'8", 6'9", 7'0"	1-1/2 PAIR 4"	NONE	1-3/4" SINGLE DOOR
7	6'8", 6'9", 7'0"	2 PAIR 3-1/2"	N/A	1-3/8" PAIR DOOR
8	6'8", 6'9", 7'0"	3 PAIR 3-1/2"	N/A	1-3/8" PAIR DOOR
9	6'8", 6'9", 7'0"	3 PAIR 4"	N/A	1-3/4" PAIR DOOR
10	6'8", 7'0", 8'0", 10'0"	NONE	NONE	CASED OPENING WITH STOP; NO PREPS
11	6'8", 7'0", 8'0"	N/A	N/A	CASED OPENING; NO STOP
12	6'8", 7'0"	N/A	N/A	POCKET DOOR; SGL SWING, 1-3/8" or 1-3/4" DOOR
13	6'8", 7'0"	N/A	N/A	POCKET DOOR; PR DOORS, 1-3/8" or 1-3/4" DOOR
14	6'8", 7'0"	1 PAIR 3-1/2" X 1-1/2 PAIR 4"	2-3/4" "T" x 2-3/4" "T"	COMMUNICATING; 1-3/8" X 1-3/4" DOORS, RFS 1 X RFS 5
16	6'8", 7'0"	2 PAIR 3-1/2"	2-3/4" "T"	DUTCH; 1-3/8" DOOR
17	7'10", 8'0", 8'4", 8'10"	2 PAIR 3-1/2"	2-3/4" "T"	1-3/8" SINGLE DOOR
19	7'10", 8'0", 8'4", 8'10"	2 PAIR 4"	ASA OR 2-3/4" "T"	1-3/4" SINGLE DOOR
21	7'10", 8'0", 8'4", 8'10"	4 PAIR 3-1/2"	N/A	1-3/8" PAIR DOOR
22	7'10", 8'0", 8'4", 8'10"	4 PAIR 4"	N/A	1-3/4" PAIR DOOR
31	6'8", 6'9", 7'0"	1-1/2 PAIR 4-1/2"	ASA OR 2-3/4" "T"	1-3/4" SINGLE DOOR
32	6'8", 6'9", 7'0"	1-1/2 PAIR 4-1/2"	NONE	1-3/4" SINGLE DOOR
33	6'8", 6'9", 7'0"	3 PAIR 4-1/2"	N/A	1-3/4" PAIR DOOR
34	6'8", 7'0"	1 PAIR 3-1/2" x 1-1/2 PAIR 4-1/2"	2-3/4" "T" x 2-3/4" "T"	COMMUNICATING; 1-3/8" X 1-3/4" DOORS, RFS 1 X RFS 31
35	7'10", 8'0", 8'4", 8'10"	2 PAIR 4-1/2"	ASA OR 2-3/4" "T"	1-3/4" SINGLE DOOR
36	7'10", 8'0", 8'4", 8'10"	2 PAIR 4-1/2"	NONE	1-3/4" SINGLE DOOR
37	7'10", 8'0", 8'4", 8'10"	4 PAIR 4-1/2"	N/A	1-3/4" PAIR DOOR
38	6'8", 7'0"	3 PAIR 4"	ASA OR 2-3/4" "T"	COMMUNICATING; 1-3/4" X 1-3/4" DOORS, RFS 5 X RFS 5
39	6'8", 7'0"	3 PAIR 4-1/2"	ASA OR 2-3/4" "T"	COMMUNICATING; 1-3/4" X 1-3/4" DOORS, RFS 31 X RFS 31
40	6'8", 7'0"	2 PAIR 4"	ASA OR 2-3/4" "T"	DUTCH; 1-3/4" DOOR
41	6'8", 7'0"	2 PAIR 4-1/2"	ASA OR 2-3/4" "T"	DUTCH; 1-3/4" DOOR
42	6'8", 7'0"	2 PAIR 3-1/2"	2-3/4" "T" x 2-3/4" "T"	COMMUNICATING; 1-3/8" X 1-3/8" DOORS, RFS 1 X RFS 1
43	6'8", 7'0"	3 PAIR 3-1/2"	2-3/4" "T" x 2-3/4" "T"	COMMUNICATING; 1-3/8" X 1-3/8" DOORS, RFS 3 X RFS 3
44	6'8", 7'0"	1-1/2 PAIR 3-1/2"; 1-1/2 PAIR 4"	2-3/4" "T" x 2-3/4" "T"	COMMUNICATING; 1-3/8" X 1-3/4" DOORS, RFS 3 X RFS 5
45	6'8", 7'0"	1-1/2 PAIR 3-1/2"; 1-1/2 PAIR 4-1/2"	2-3/4" "T" x 2-3/4" "T"	COMMUNICATING; 1-3/8" X 1-3/4" DOORS, RFS 3 X RFS 31

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FRAME SCHEDULE																				
Quan	Arch Mark	LOCATION			Hand	NOMINAL FRAME OPENING			FRAME DATA						HARDWARE				DOOR DATA	
						Section Sheet	Wall Size	Frame Gage				RF Set No.	Strike	Strike Finish	Other Hdw.	Series Thick	Elev.			
		From / To	Width	Height					Elevation	Casing	Color							Label		
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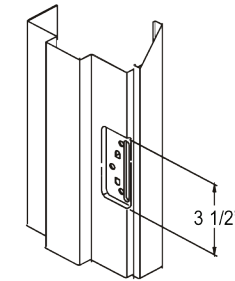
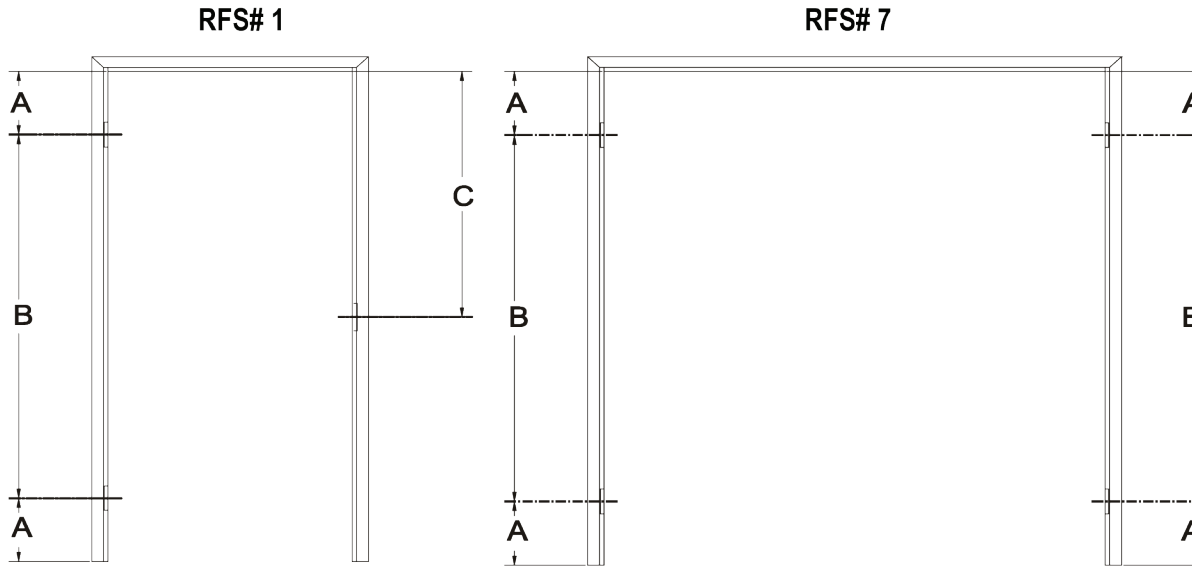
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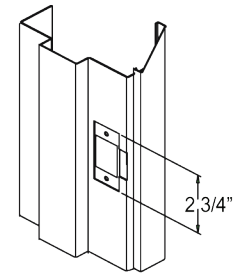
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REDIFRAME 3-1/2" HINGES (1 or 2 pair) FOR 1-3/8" DOORS (6⁸, 6⁹, 7⁰ Heights)



3 1/2" x 1/4" RADIUS
TEMPLATE PATTERN
9/32" BACKSET
.120" DEPTH



1 3/8" DOOR
ADJUSTABLE STRIKE
.110" DEPTH
#8-32 SELF TAPPING SCREW

RFS#	SINGLE: 1 PAIR / HINGES				
	HGT	NET HGT	A	B	C
1	6 ⁸	80 3/16"	10 3/32"	60"	40 3/32"
1	6 ⁹	81 3/16"	10 3/32"	61"	41 3/32"
1	7 ⁰	84 3/16"	10 3/32"	64"	44 3/32"

RFS#	PAIR: 2 PAIR / HINGES				
	HGT	NET HGT	A	B	C
7	6 ⁸	80 3/16"	10 3/32"	60"	NA
7	6 ⁹	81 3/16"	10 3/32"	61"	NA
7	7 ⁰	84 3/16"	10 3/32"	64"	NA

WIDTHS—SINGLES: 1'6", 1'8", 2'0", 2'4", 2'6", 2'10", 3'0", 3'4", 3'6" PAIRS: 4'0", 4'6", 5'0", 5'6", 6'0" RFS# DESCRIPTION ON SHEET 3.

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SHEET:

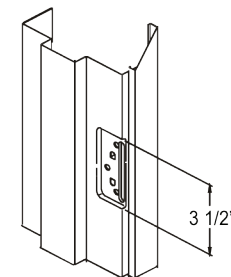
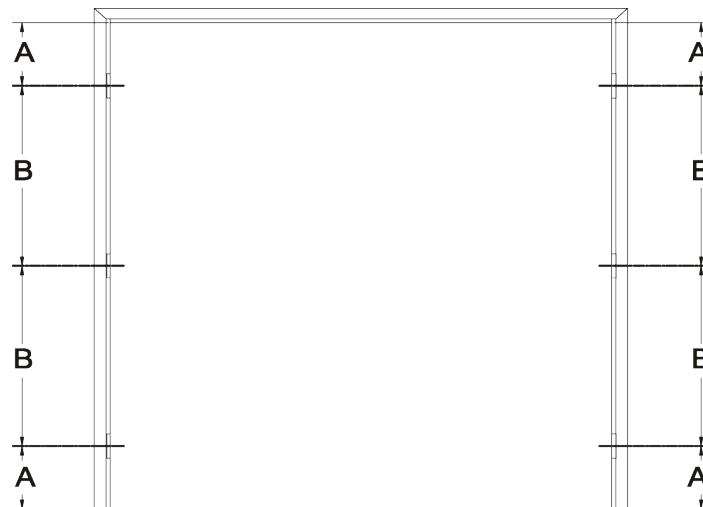
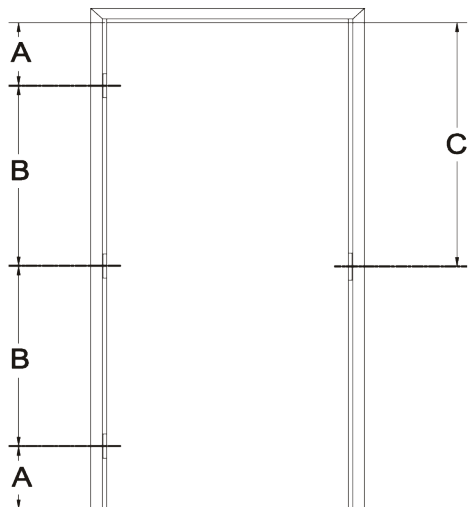
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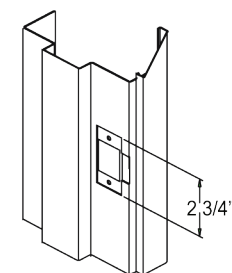
REDIFRAME 3-1/2" HINGES (1-1/2 or 3 pair) FOR 1-3/8" DOORS (6⁸, 6⁹, 7⁰ Heights)

RFS# 3

RFS# 8



3 1/2" x 1/4" RADIUS
TEMPLATE PATTERN
9/32" BACKSET
.120" DEPTH



1 3/8" DOOR
ADJUSTABLE STRIKE
.110" DEPTH
#8-32 SELF TAPPING SCREW

RFS#	SINGLE: 1-1/2 PAIR / HINGES				
	HGT	NET HGT	A	B	C
3	6 ⁸	80 3/16"	10 3/32"	30"	40 3/32"
3	6 ⁹	81 3/16"	10 3/32"	30 1/2"	41 3/32"
3	7 ⁰	84 3/16"	10 3/32"	32"	44 3/32"

RFS#	PAIR: 3 PAIR / HINGES				
	HGT	NET HGT	A	B	C
8	6 ⁸	80 3/16"	10 3/32"	30"	NA
8	6 ⁹	81 3/16"	10 3/32"	30 1/2"	NA
8	7 ⁰	84 3/16"	10 3/32"	32"	NA

WIDTHS—SINGLES: 1'6", 1'8", 2'0", 2'4", 2'6", 2'10", 3'0", 3'4", 3'6" PAIRS: 4'0", 4'6", 5'0", 5'6", 6'0" RFS# DESCRIPTION ON SHEET 3.

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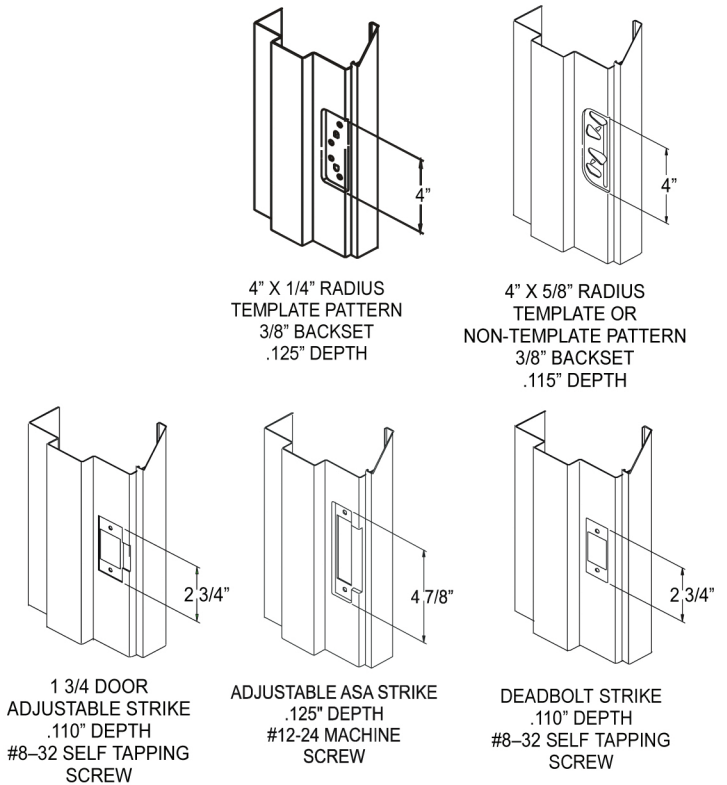
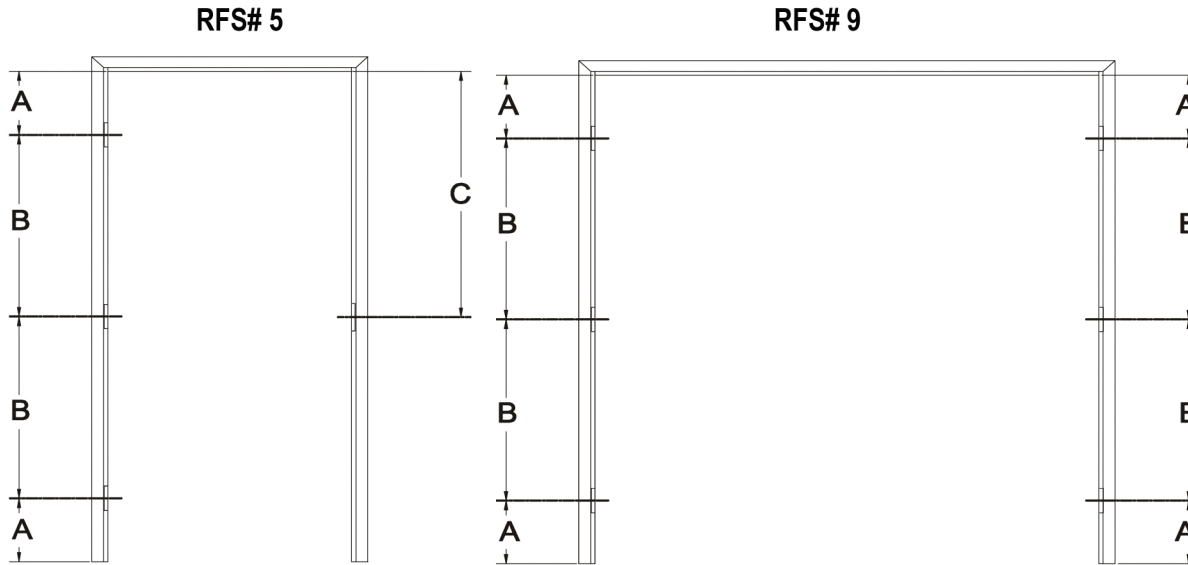
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REDIFRAME 4" HINGES (1-1/2 or 3 pair) FOR 1-3/4" DOORS (6⁸, 6⁹, 7⁰ Heights)



RFS#	SINGLE: 1-1/2 PAIR / HINGES				
	HGT	NET HGT	A	B	C
5	6 ⁸	80 3/16"	10 11/32"	29 3/4"	40 3/32"
5	6 ⁹	81 3/16"	10 11/32"	30 1/4"	41 3/32"
5	7 ⁰	84 3/16"	10 11/32"	31 1/4"	44 3/32"

RFS#	PAIR: 3 PAIR / HINGES				
	HGT	NET HGT	A	B	C
9	6 ⁸	80 3/16"	10 11/32"	29 3/4"	NA
9	6 ⁹	81 3/16"	10 11/32"	30 1/4"	NA
9	7 ⁰	84 3/16"	10 11/32"	31 1/4"	NA

WIDTHS—SINGLES: 1'6", 1'8", 2'0", 2'4", 2'6", 2'8", 2'10", 3'0", 3'4", 3'6" PAIRS: 4'0", 4'6", 5'0", 5'6", 6'0"

RFS# DESCRIPTION ON SHEET 3.

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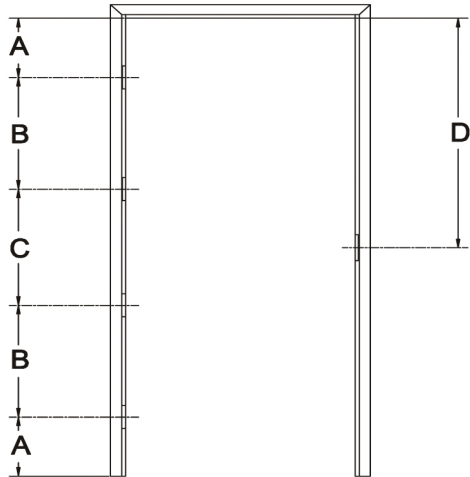
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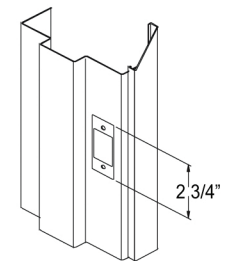
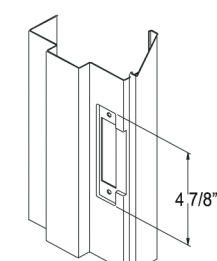
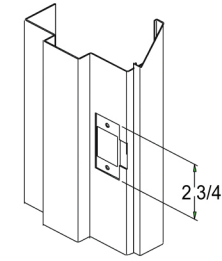
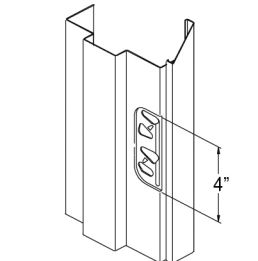
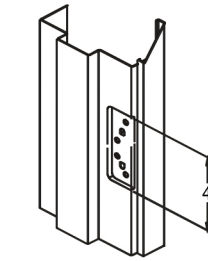
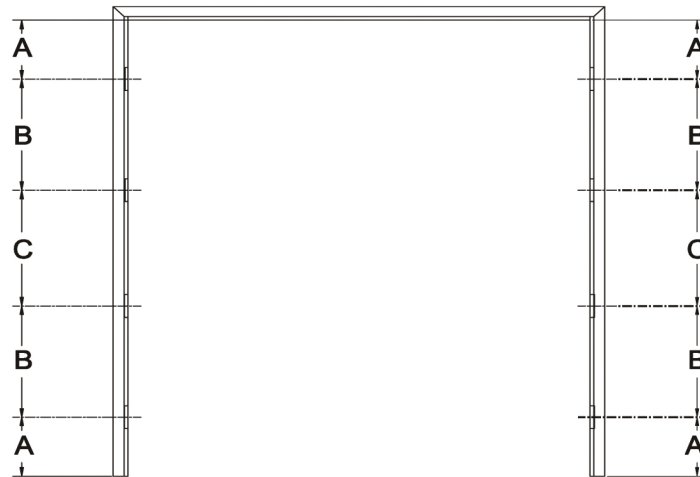
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REDIFRAME 4" HINGES (2 or 4 pair) FOR 1-3/4" DOORS (7¹⁰, 8⁰, 8⁴, 8¹⁰ Heights)

RFS# 19



RFS# 22



RFS#	SINGLE: 2 PAIR / HINGES					
	HGT	NET HGT	A	B	C	D
19	7 ¹⁰	94 3/16"	10 11/32"	24 1/2"	24 1/2"	54 3/32"
19	8 ⁰	96 3/16"	10 11/32"	25"	25 1/2"	56 3/32"
19	8 ⁴	100 3/16"	10 11/32"	26 1/2"	26 1/2"	60 3/32"
19	8 ¹⁰	106 3/16"	10 11/32"	28 1/2"	28 1/2"	66 3/32"

RFS#	PAIR: 4 PAIR / HINGES					
	HGT	NET HGT	A	B	C	D
22	7 ¹⁰	94 3/16"	10 11/32"	24 1/2"	24 1/2"	NA
22	8 ⁰	96 3/16"	10 11/32"	25"	25 1/2"	NA
22	8 ⁴	100 3/16"	10 11/32"	26 1/2"	26 1/2"	NA
22	8 ¹⁰	106 3/16"	10 11/32"	28 1/2"	28 1/2"	NA

WIDTHS—SINGLES: 1'6", 1'8", 2'0", 2'4", 2'6", 2'8", 2'10", 3'0", 3'4", 3'6" PAIRS: 4'0", 4'6", 5'0", 5'6", 6'0"

RFS# DESCRIPTION ON SHEET 3.

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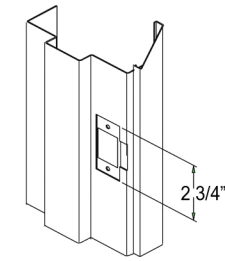
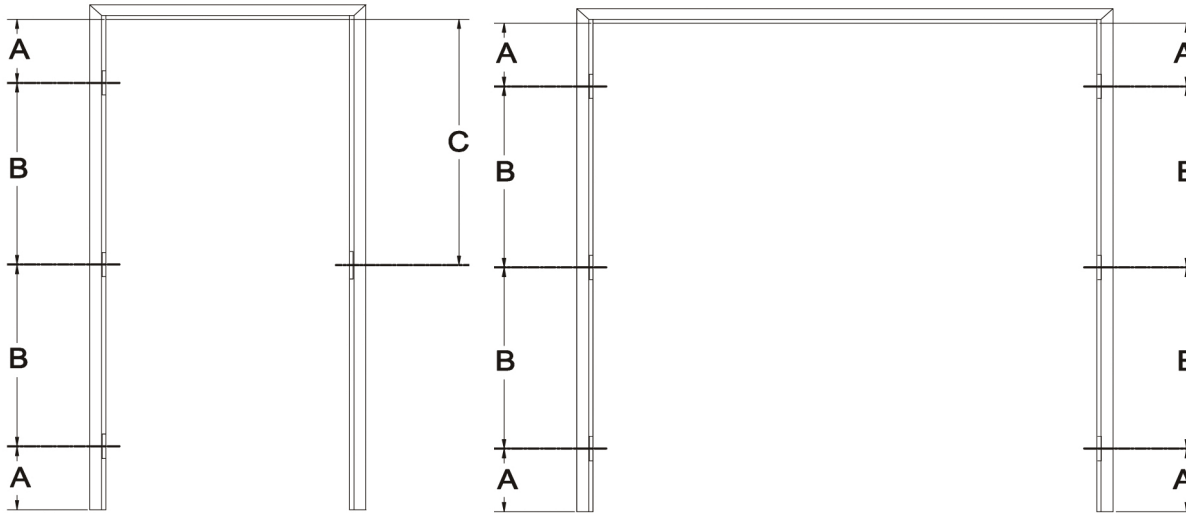
OF:

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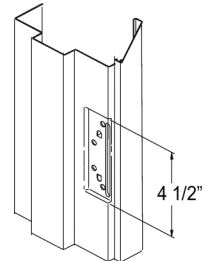
REDIFRAME 4-1/2" HINGES (1-1/2 or 3 pair) FOR 1-3/4" DOORS (6⁸, 6⁹, 7⁰ Heights)

RFS# 31

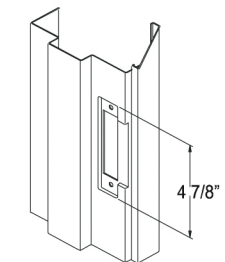
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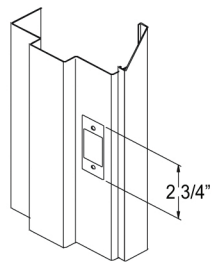
1 3/4" DOOR
ADJUSTABLE STRIKE
.110" DEPTH
#8-32 SELF TAPPING
SCREW



4 1/2" SQUARE
TEMPLATE PATTERN
3/8" BACKSET
.134" DEPTH



ADJUSTABLE ASA STRIKE
.125" DEPTH
#12-24 MACHINE
SCREW



DEADBOLT STRIKE
.110" DEPTH
#8-32 SELF TAPPING
SCREW

RFS#	SINGLE: 1-1/2 PAIR / HINGES				
	HGT	NET HGT	A	B	C
31	6 ⁸	80 3/16"	10 19/32"	29 1/2"	40 3/32"
31	6 ⁹	81 3/16"	10 19/32"	30"	41 3/32"
31	7 ⁰	84 3/16"	10 19/32"	31 1/2"	44 3/32"

RFS#	PAIR: 3 PAIR / HINGES				
	HGT	NET HGT	A	B	C
33	6 ⁸	80 3/16"	10 19/32"	29 1/2"	NA
33	6 ⁹	81 3/16"	10 19/32"	30"	NA
33	7 ⁰	84 3/16"	10 19/32"	31 1/2"	NA

WIDTHS—SINGLES: 1'6", 1'8", 2'0", 2'4", 2'6", 2'8", 2'10", 3'0", 3'4", 3'6" PAIRS: 4'0", 4'6", 5'0", 5'6", 6'0"

RFS# DESCRIPTION ON SHEET 3.

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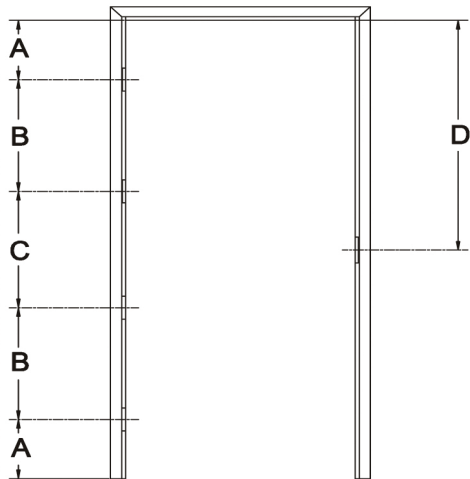
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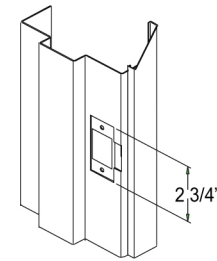
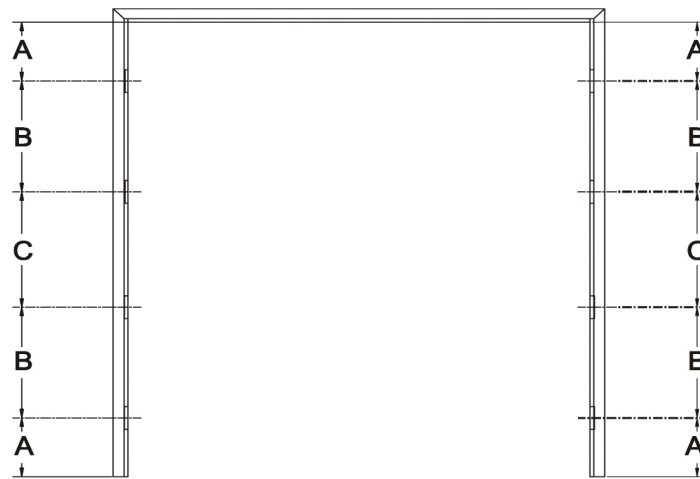
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REDIFRAME 4-1/2" HINGES (2 or 4 pair) FOR 1-3/4" DOORS (7¹⁰, 8⁰, 8⁴, 8¹⁰ Heights)

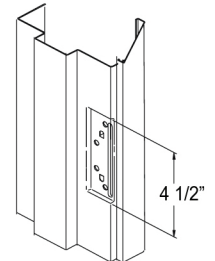
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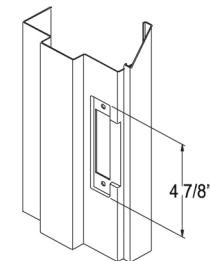
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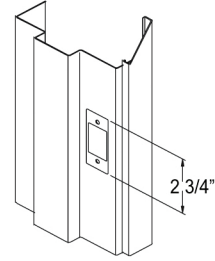
1 3/4" DOOR
ADJUSTABLE STRIKE
.110" DEPTH
#8-32 SELF TAPPING
SCREW



4 1/2" SQUARE
TEMPLATE PATTERN
3/8" BACKSET
.134" DEPTH



ADJUSTABLE ASA STRIKE
.125" DEPTH
#12-24 MACHINE
SCREW



DEADBOLT STRIKE
.110" DEPTH
#8-32 SELF TAPPING
SCREW

RFS#	SINGLE: 2 PAIR / HINGES					
	HGT	NET HGT	A	B	C	D
35	7 ¹⁰	94 3/16"	10 19/32"	24 1/2"	24"	54 3/32"
35	8 ⁰	96 3/16"	10 19/32"	25"	25"	56 3/32"
35	8 ⁴	100 3/16"	10 19/32"	26 1/4"	26 1/2"	60 3/32"
35	8 ¹⁰	106 3/16"	10 19/32"	28 1/2"	28"	66 3/32"

RFS#	PAIR: 4 PAIR / HINGES					
	HGT	NET HGT	A	B	C	D
37	7 ¹⁰	94 3/16"	10 19/32"	24 1/2"	24"	NA
37	8 ⁰	96 3/16"	10 19/32"	25"	25"	NA
37	8 ⁴	100 3/16"	10 19/32"	26 1/4"	26 1/2"	NA
37	8 ¹⁰	106 3/16"	10 19/32"	28 1/2"	28"	NA

WIDTHS—SINGLES: 1'6", 1'8", 2'0", 2'4", 2'6", 2'8", 2'10", 3'0", 3'4", 3'6" PAIRS: 4'0", 4'6", 5'0", 5'6", 6'0"

RFS# DESCRIPTION ON SHEET 3.

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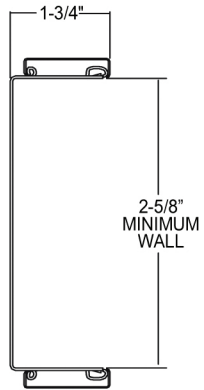
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SHEET:

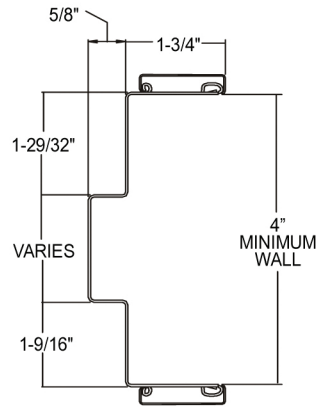
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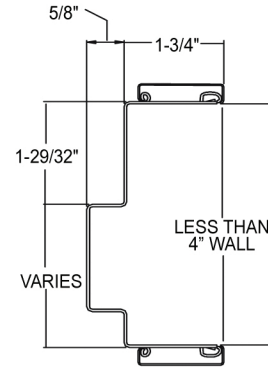
REDIFRAME SECTIONS



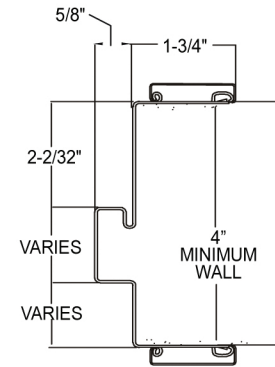
1 **CASED OPENING**
(No stop)



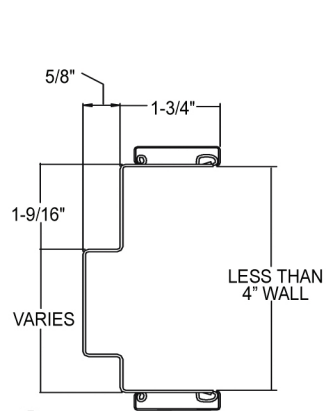
2 **1-3/4" --1-3/8" FRAME**
1-3/4" --1-3/8" COMMUNICATING FRAME



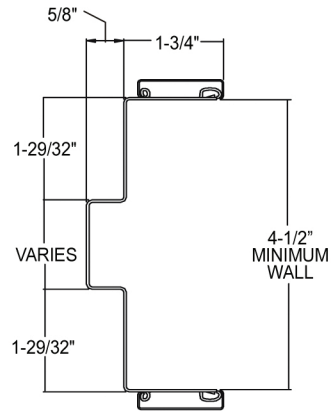
3 **1-3/4" FRAME**



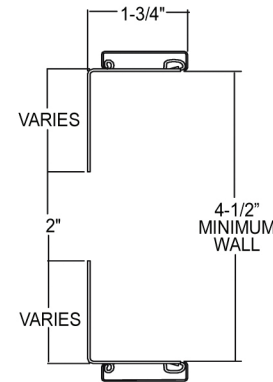
4 **1-3/4" KERF FRAME**



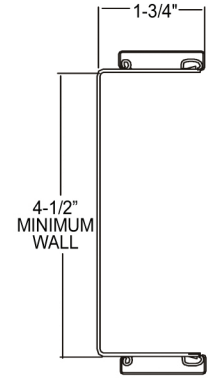
5 **1-3/8" FRAME**



6 **1-3/4" -- 1-3/4"**
COMMUNICATING FRAME



7 **POCKET DOOR FRAME**
HEADER & POCKET UPRIGHT
1-3/4" DOOR



8 **POCKET DOOR FRAME**
STRIKE UPRIGHT

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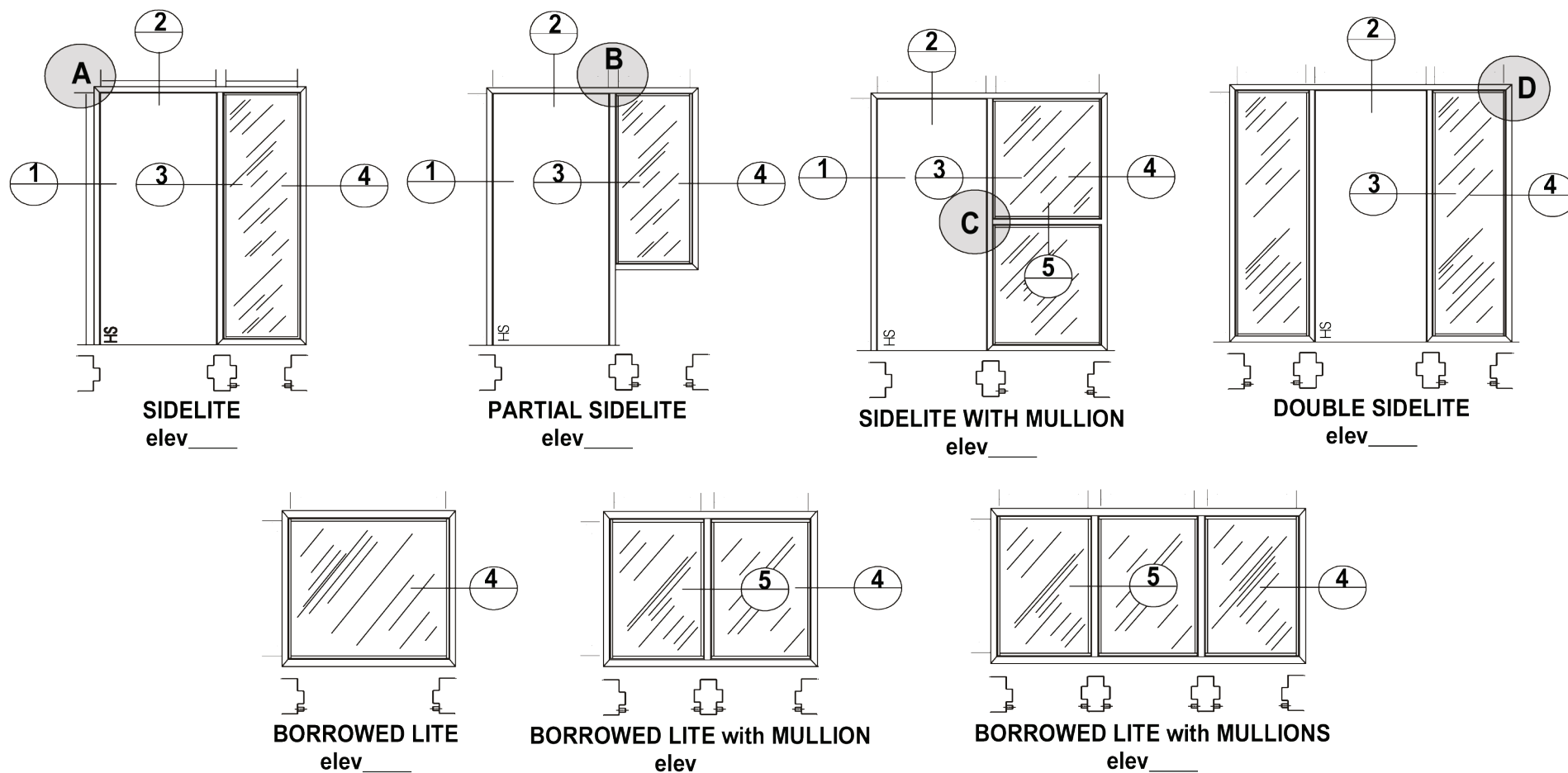
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REDIFRAME SIDELITE AND BORROWED LITE ELEVATIONS



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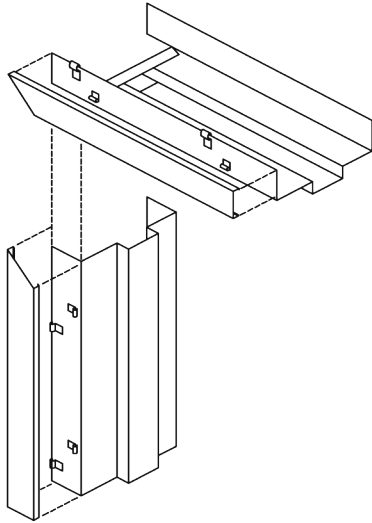
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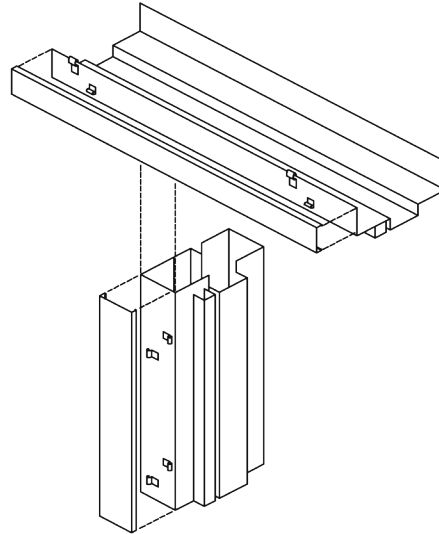
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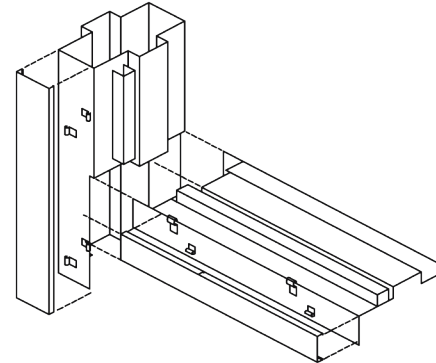
FRAME DETAILS



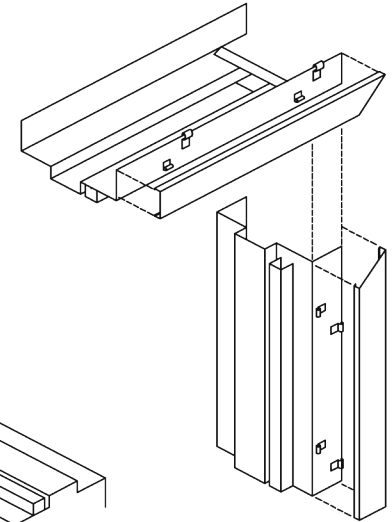
DETAIL A



DETAIL B



DETAIL C



DETAIL D

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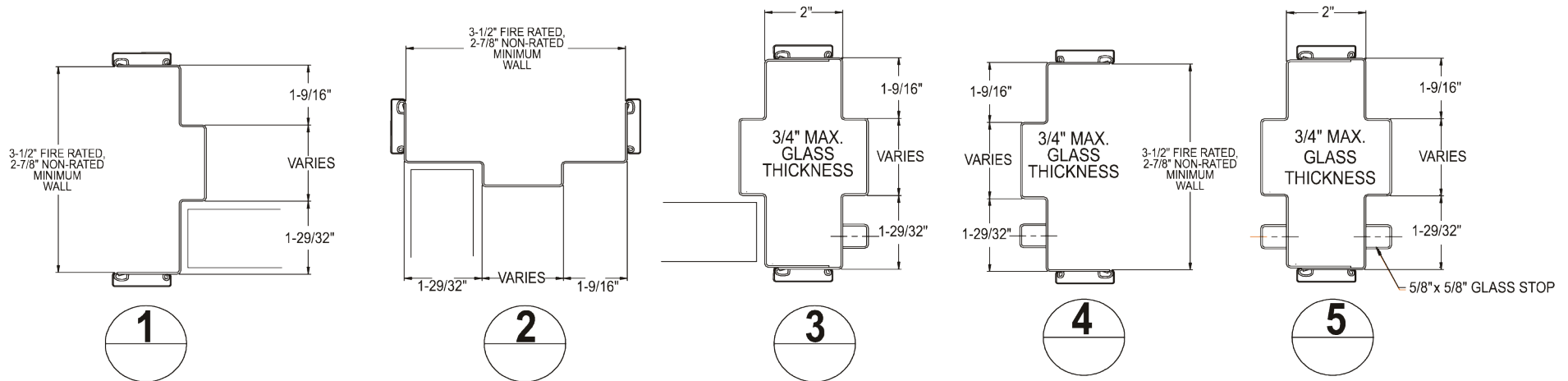
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REDIFRAME TRANSOM & SIDELITE SECTIONS



1. 1-3/4" DOORS ONLY
2. STANDARD REDIFRAME PROFILES ONLY
3. 3-1/2" MINIMUM WALL FOR FIRE-RATED ASSEMBLY
4. 2-7/8" MINIMUM WALL FOR NON-RATED ASSEMBLY
5. STEEL CASING IS REQUIRED ON 45-MINUTE MULLIONS ONLY.
WOOD TRIM PERMITTED ON PERIMETER OF FRAME.
6. S56 STEEL COLONIAL TRIM NOT AVAILABLE

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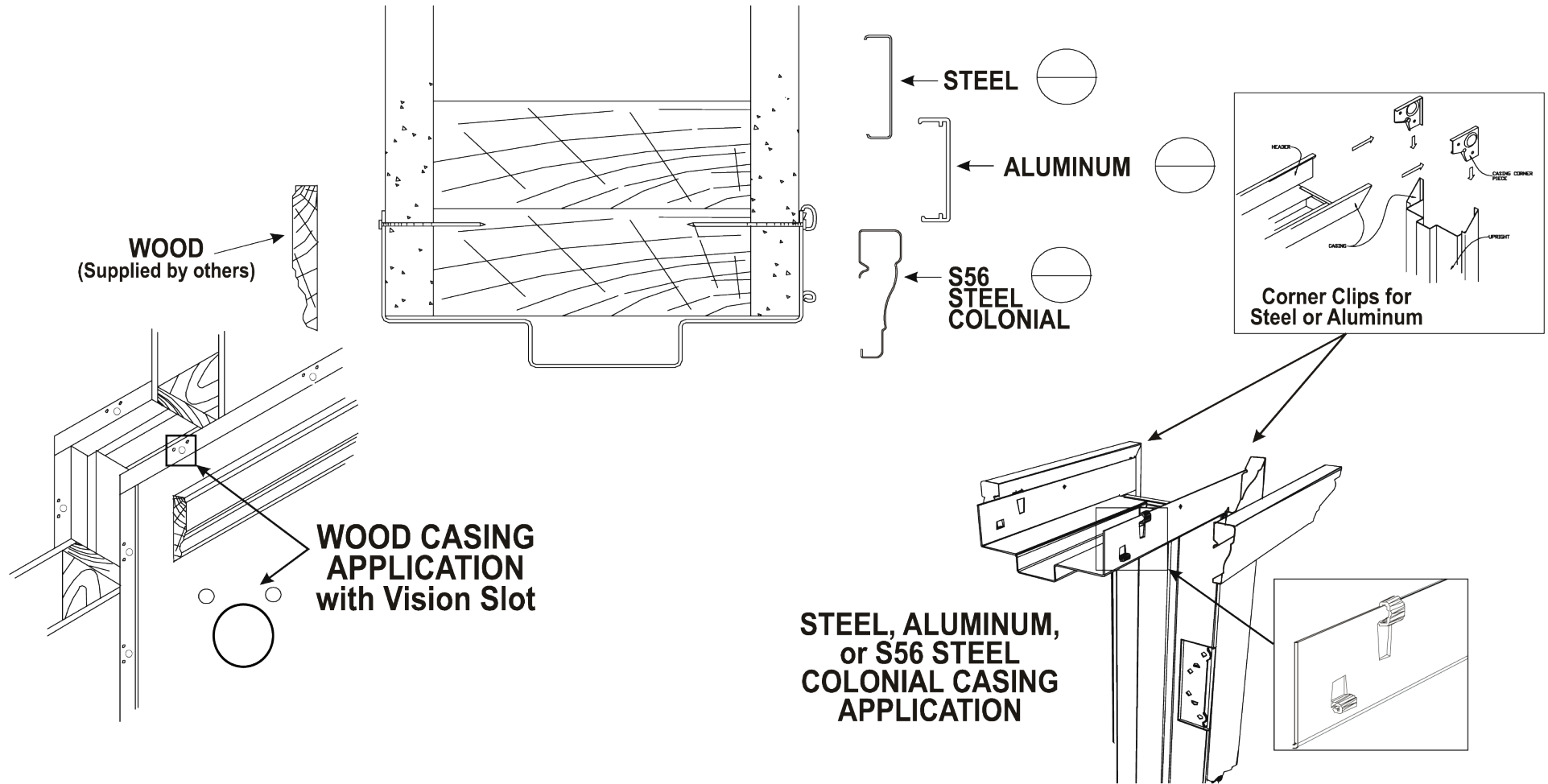
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REDIFRAME CASING



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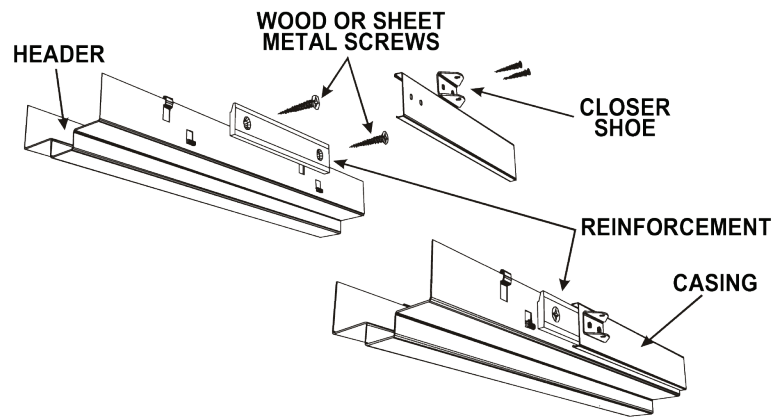
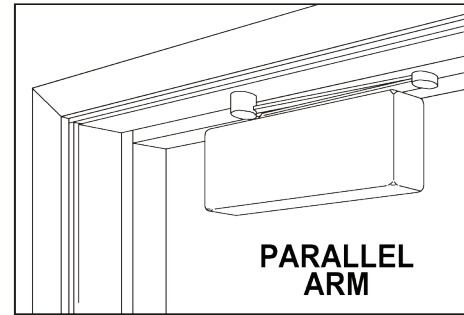
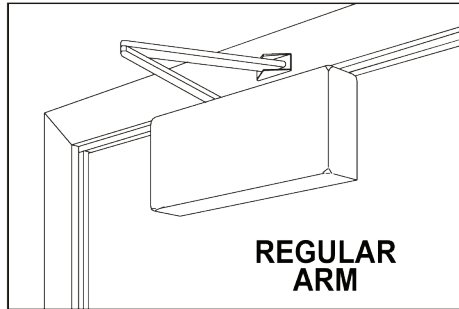
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OF:

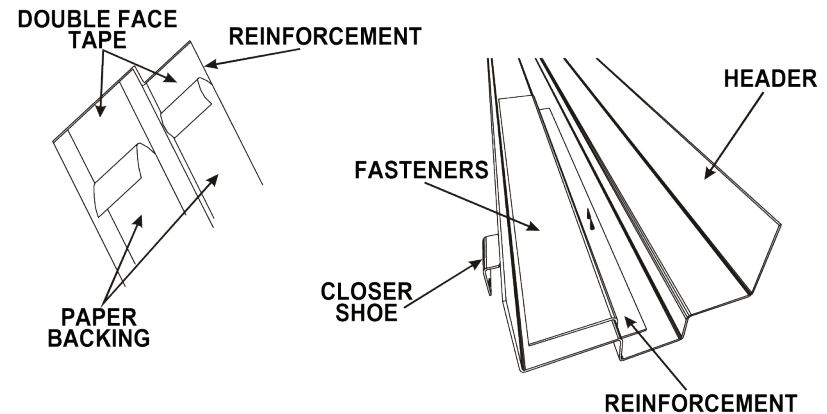
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CLOSER REINFORCEMENTS



REGULAR ARM CLOSER INSTALLATION

1. Position closer reinforcement on header where the door closer shoe is to be mounted.
2. Mount the reinforcement flush with the header face.
3. Drill pilot holes (2) in the header through the countersunk holes in the reinforcement and secure with wood or sheet metal screws.
4. Install header casing.
5. Position closer shoe on frame and drill pilot holes through the casing and regular arm closer reinforcement.
6. Tap these holes as per the Closer Installation Instructions.
7. Secure the closer shoe to the frame.



PARALLEL ARM CLOSER INSTALLATION

1. Locate area where parallel arm closer reinforcement is to be positioned on header. Clean with solvent.
2. Expose double face tape by removing paper backing on the two strips of tape; press into position to secure the sleeve to the header.
3. Drill and tap through frame and reinforcement for closer shoe attachment.
4. Install frame and door in conventional manner.

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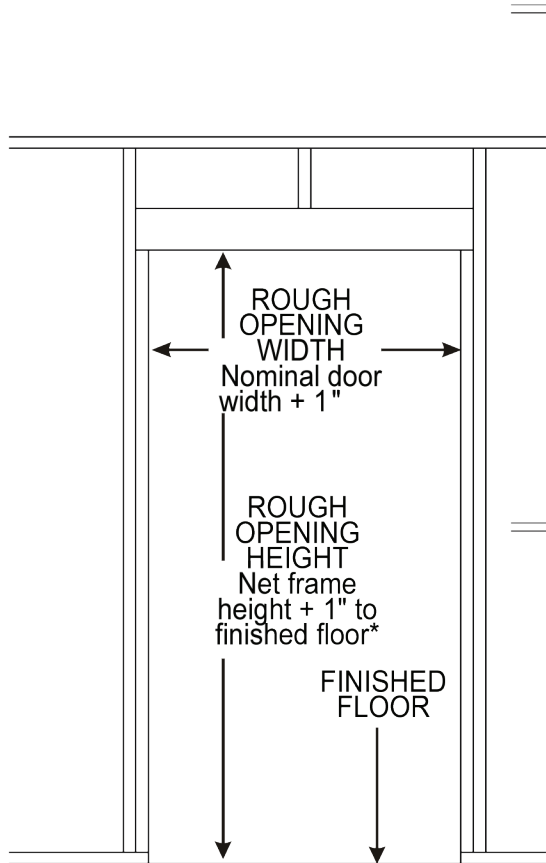
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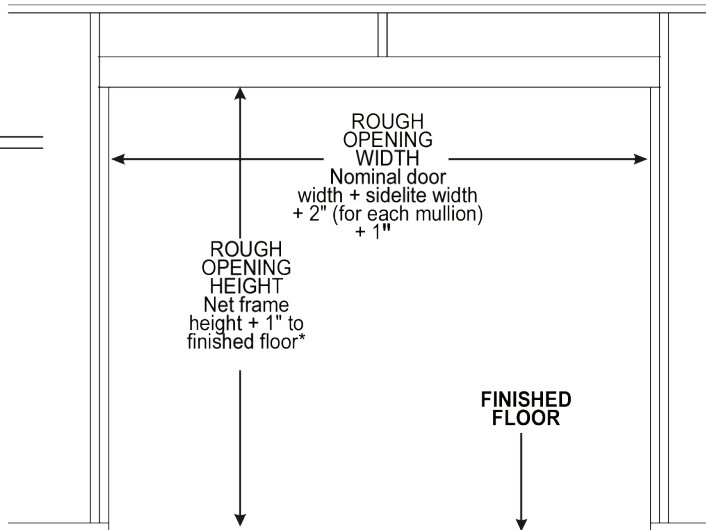
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ROUGH OPENINGS

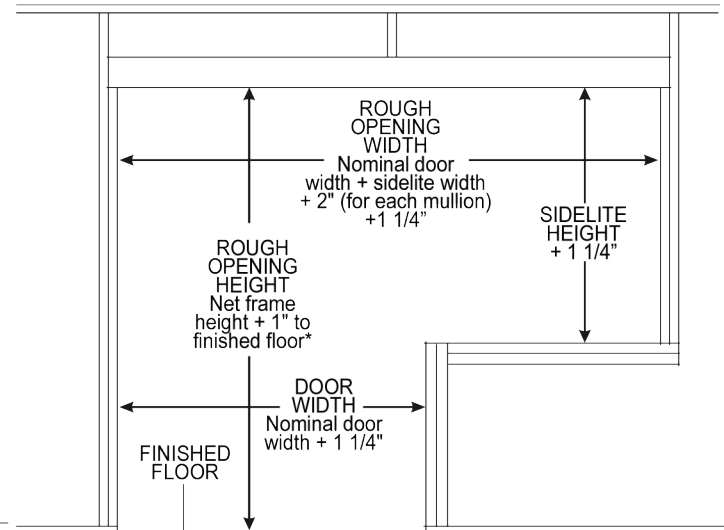


*Net frame height is +1/2" to finished floor when using wood trim.

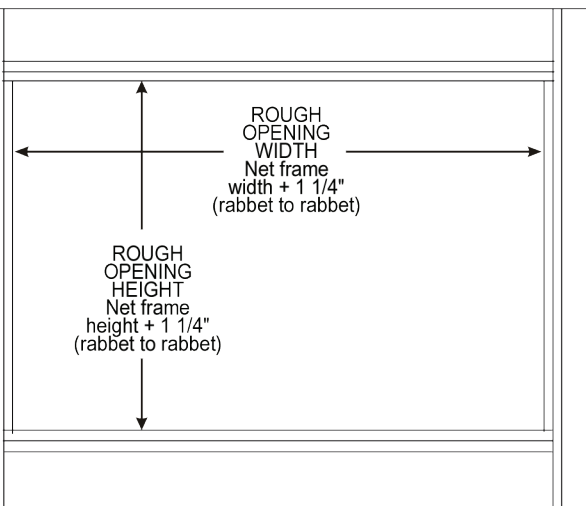
3-SIDED FRAME



*Net frame height is +1/2" to finished floor when using wood trim.



*Net frame height is +1/2" to finished floor when using wood trim.



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FIELD PAINTING INSTRUCTIONS FOR FINISH COATED REDIFRAMES

The following are recommended steps for painting over our finish paint:

1. Sand lightly or scuff sand existing surface of frame using 400 grit sandpaper or equivalent.
2. Wipe surface free of dirt and dust.
3. Follow instructions carefully from paint manufacturer.
4. If instructions are not available, an oil base primer should be used over scuff sanded surface before applying any topcoat. Instructions for applying oil based primers should be carefully followed.
5. Apply a good grade oil-based or water-based latex
6. Test adhesion by applying to a small area before painting to ensure desired results.
7. If water-based latex paint must be used, then the use of a high quality water-based latex with a flash rust inhibitor in it must be used. The two inhibitors recommended are zinc oxide and ammonium benzoate. Apply 1.5 mils dry film.



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