

Table Of Contents

1. Table of Contents
2. Overall Specifications
3. Door Overall Dimensions
4. Door Construction
5. Total Preamsembled Dimensions
6. Overall Frame Dimensions
7. Frame Profile
8. Head/Jamb Connection
9. Header Profile
10. Masonry Frame
11. Subframe System
12. Subframe Extensions
13. Flush Mount Door Installation
14. Header and Base Install
15. Attachment L-Clip
16. Anchors – Non Metal Wall Applications
17. Falcon Grade 2 Cylindrical Lever Lock
18. Falcon Grade 1 Cylindrical Lever Lock
19. Falcon Mortise Lever Lock
20. Monarch Exit Device
21. Dor-O-Matic Closers
22. Hinges
23. EXPI Threshold
24. EXPI Weatherseal
25. EXPI Sweep
26. Hollow Metal (HM) Window

DOOR SYSTEM SPECIFICATIONS

Door

Door skins are manufactured of 20 gauge galvanized steel (A40) with a laser welded seam. With 16 gauge steel channels forming the top and bottom end closures (flush mounted top), the face panels shall be securely continuously welded around their entire perimeters. Doors have an insulated polystyrene core. Door faces are smooth and have a straight lock edge (non-beveled). Hinge reinforcements are 10 gauge steel mortised for a 4 ½" x 4 ½" standard weight hinge. 161 lock ring and 86 lock reinforcements are 14 gauge, as is the standard closer reinforcement. Doors are reversible and have a finish coat baked on white paint.

Frame

Frames are manufactured of 16 gauge galvanized steel (A40). Frames have a standard double rabbited 5 ¾" profile, with ½" returns. Frame faces are 2". The head has an extended front face (6") designed to butt against the girt flange. 10 gauge steel hinge reinforcements are projection welded in 4 places, and are designed for 4 ½" x 4 ½" full mortise standard weight hinges. Strike jambs comes prepared with an ASA strike. Jambs are fully reversible and have a finish coat baked on white paint.

Subframe System (Preassembled Doors)

Subframes are constructed of 16 gauge galvanized material (A40 min). They are 7' 2" in height, while the width is variable based on matching the building manufacturers girt depth. Subframes have 1 ¾" flanges at both ends and are notched to allow for the back leg of the girt so there is no interference or field notching required. Subframes are flush mounted so additional jamb trim is required (supplied by building manufacturer). The subjamb replace the need for a framed opening.

Attachment L-Clips

Attachment L-clips (L angles) are used both at the header/girt connection and base. Clips are 12 gauge galvanized steel and come pre-punched with hole locations. Clips are 5 ¾" wide and are attached through the subframes and into returns of the frame with self drilling screws. Top clip is attached to the girt with self drilling screws and the bottom clip is fastened to the floor with masonry anchors. Clips are 8" in length and can be adjusted to varying girt heights.

Hardware

Locking hardware is Ingersoll-Rand brands of Falcon, Monarch, and Dor-O-Matic. Standard lock is a Falcon Grade 2 Entry Lever with a keyed entry function (US26D). Hinges are 4 ½" x 4 ½" full mortise ball bearing hinges with non-removable pins and a "silver" powder coat finish. Threshold is a full 5 ¾" wide aluminum piece matching the frame depth. Sweep is a dual fingered "u" shaped sweep, concealed in the inverted door bottom channel. Other hardware options are available.

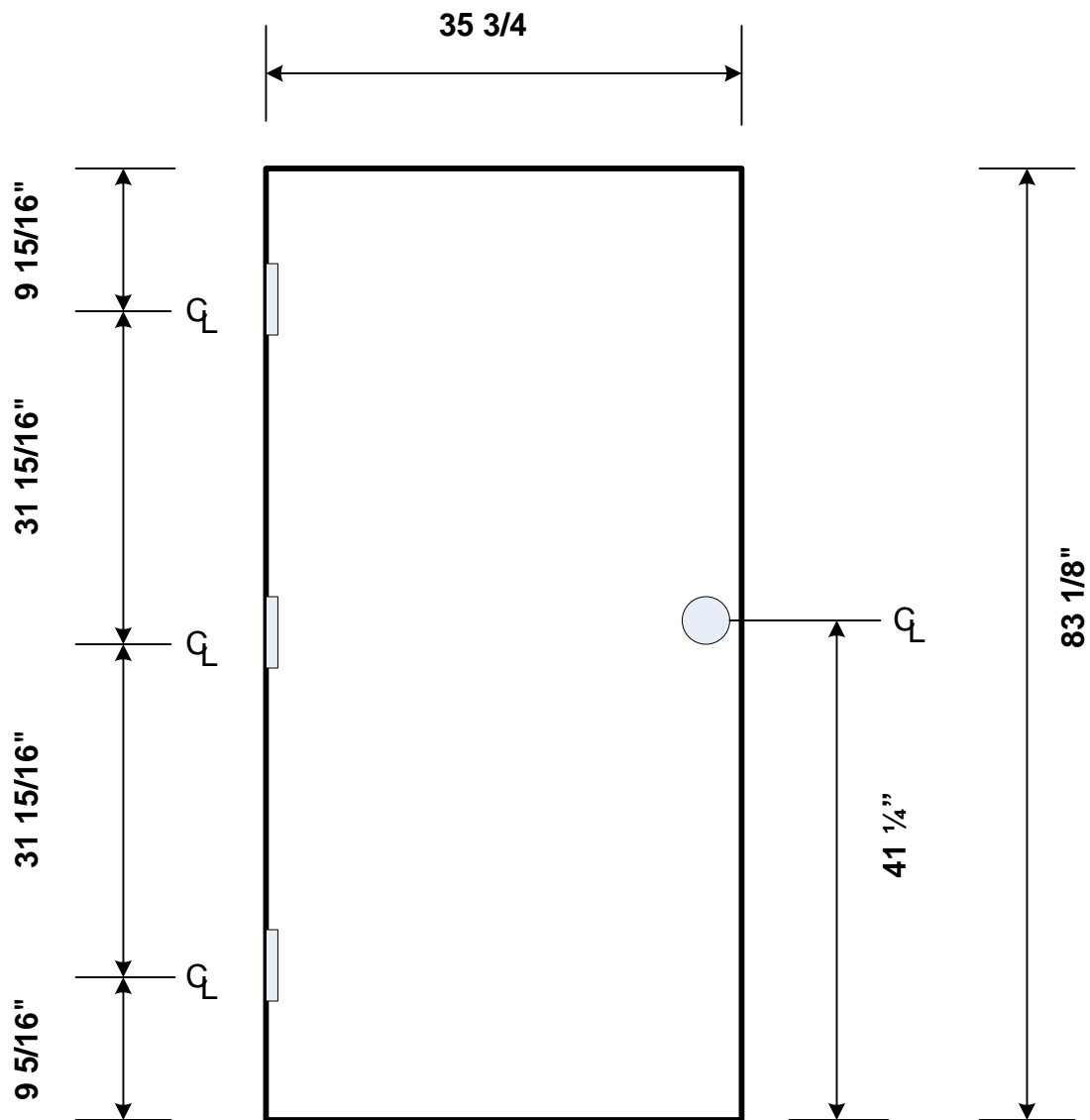
Packaging

Knock down doors are fully wrapped in poly bags and corrugated material. Frames and hardware come supplied in a corrugated frame box. Preassembled doors are crated in wood surround. All packages are clearly marked with the PO# or job number (or other) as requested by the customer.

SERIES 500® DOOR OVERALL DIMENSIONS

TUESDAY, MARCH 29, 2005

3070 Door

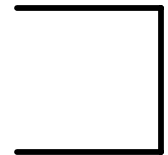
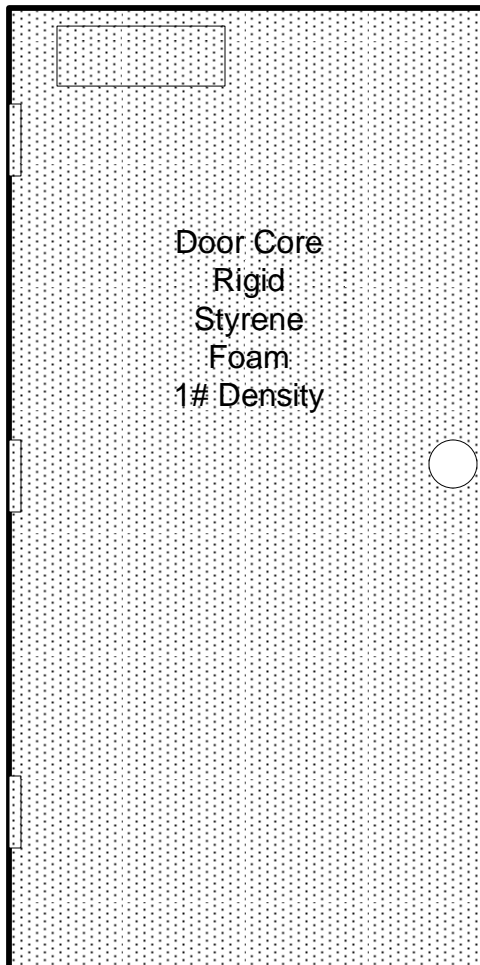


4070 Door – $47 \frac{3}{4}$ inches wide

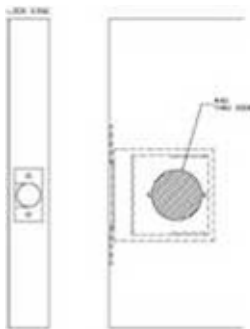
14 Gauge Closer
Reinforcement



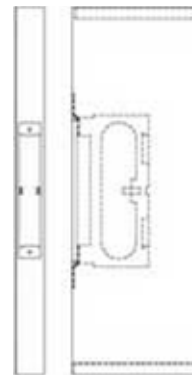
10 Gauge Hinge
Reinforcement



Straight
Edge

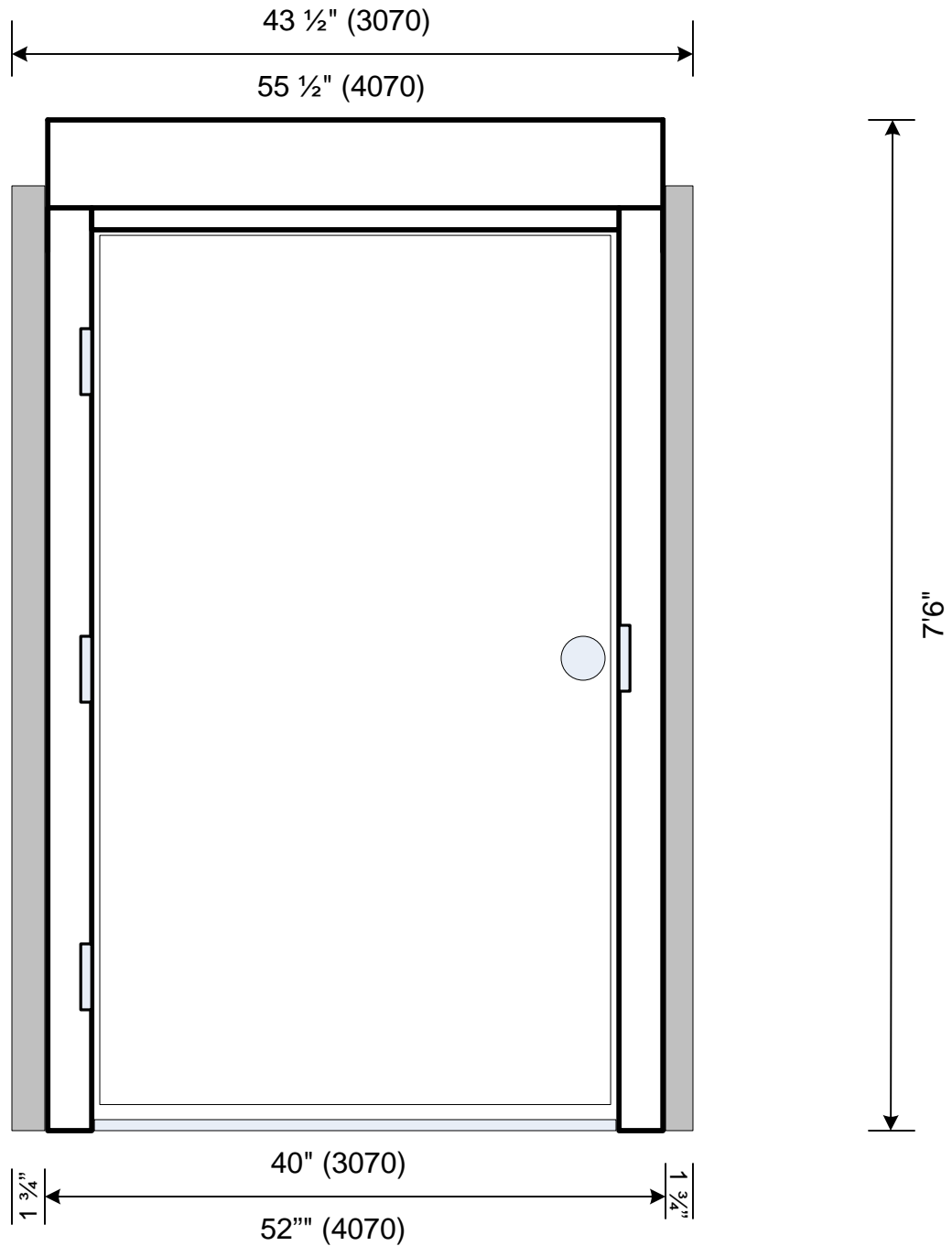


161 Lock
Reinforcement
14 Gauge

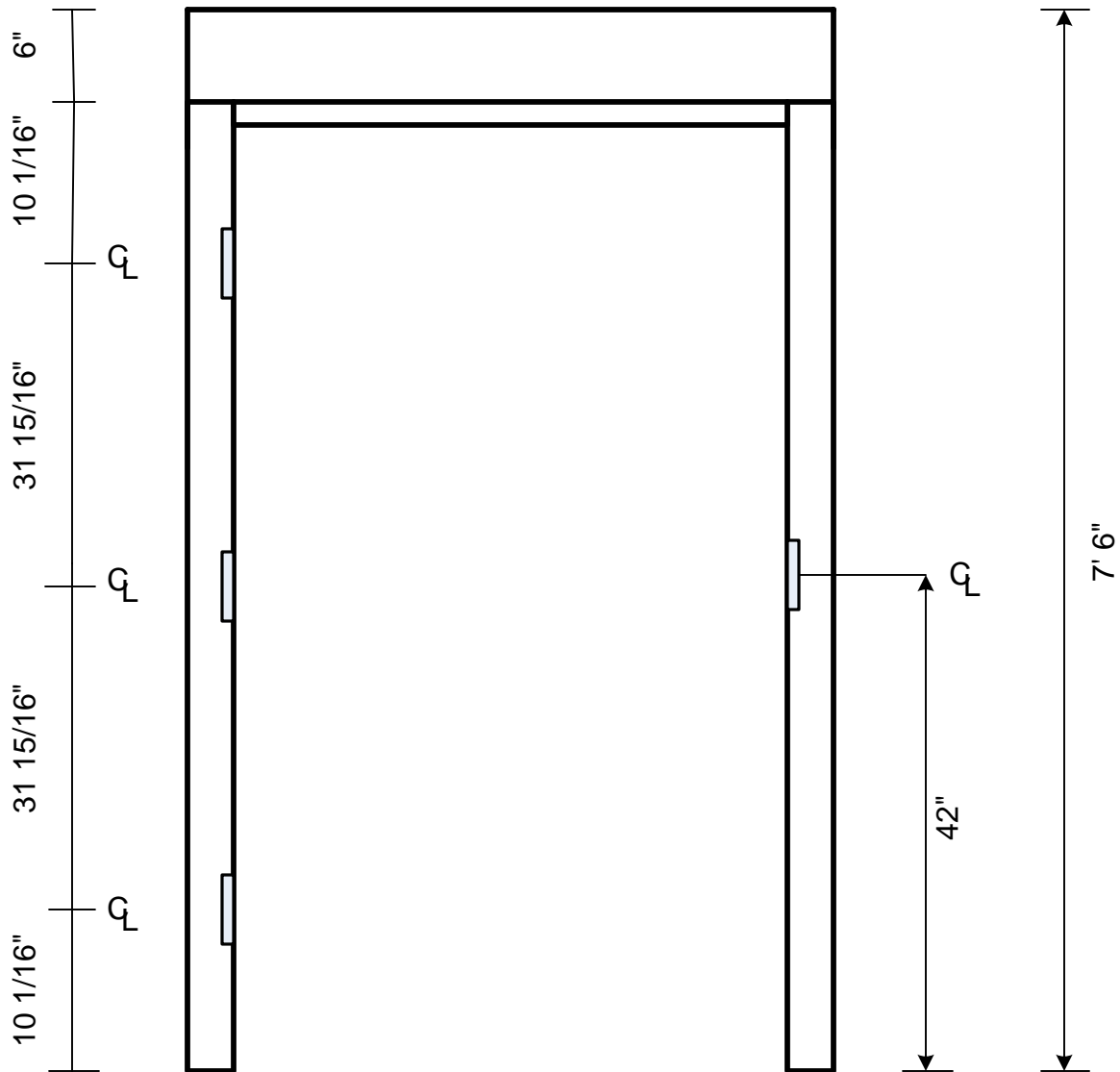


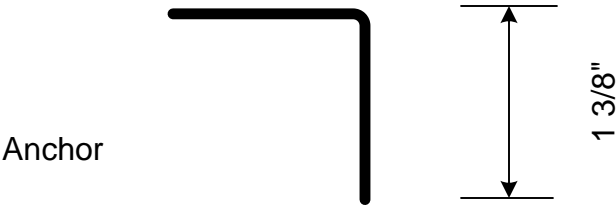
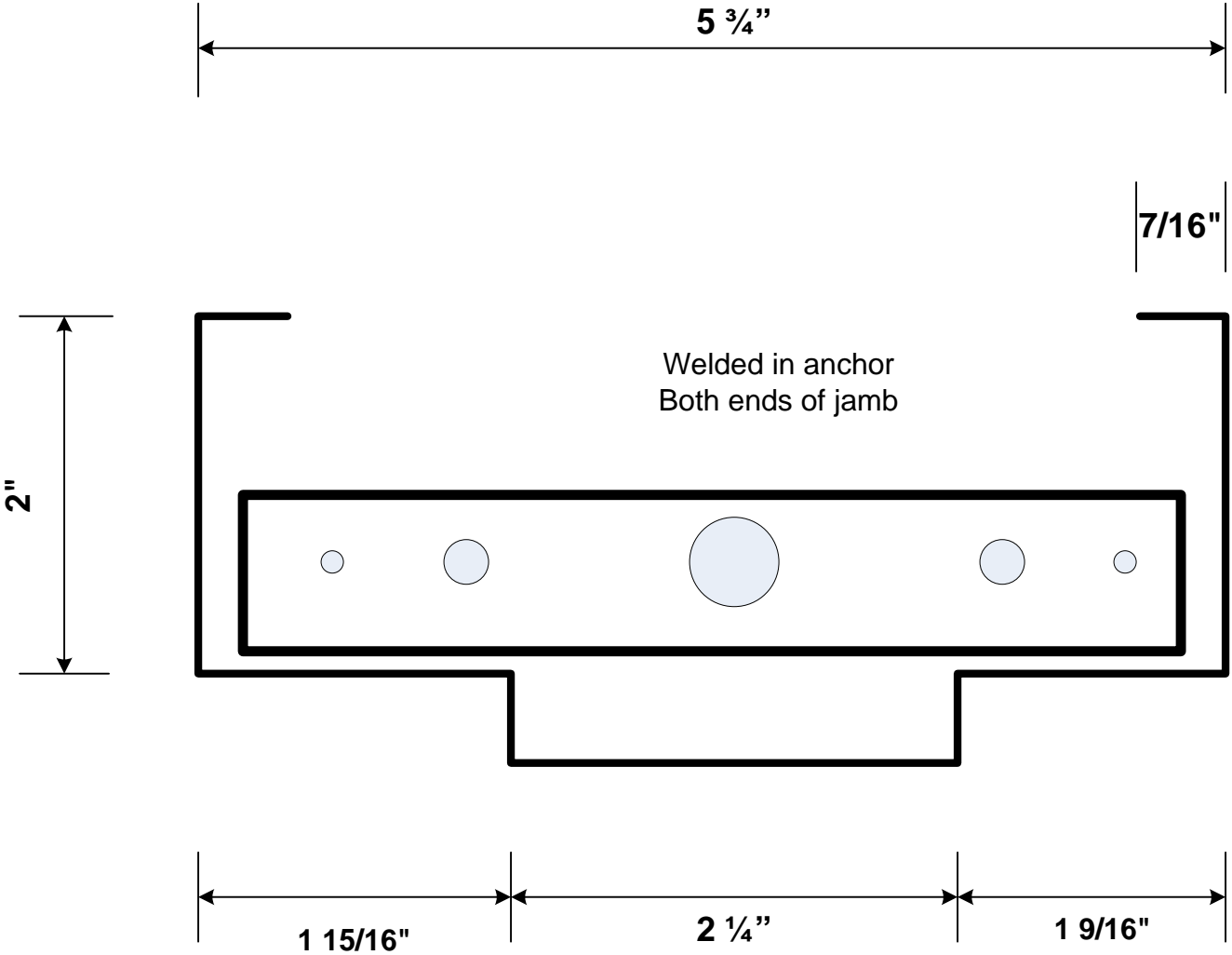
86 Lock
Preparation
14 Gauge

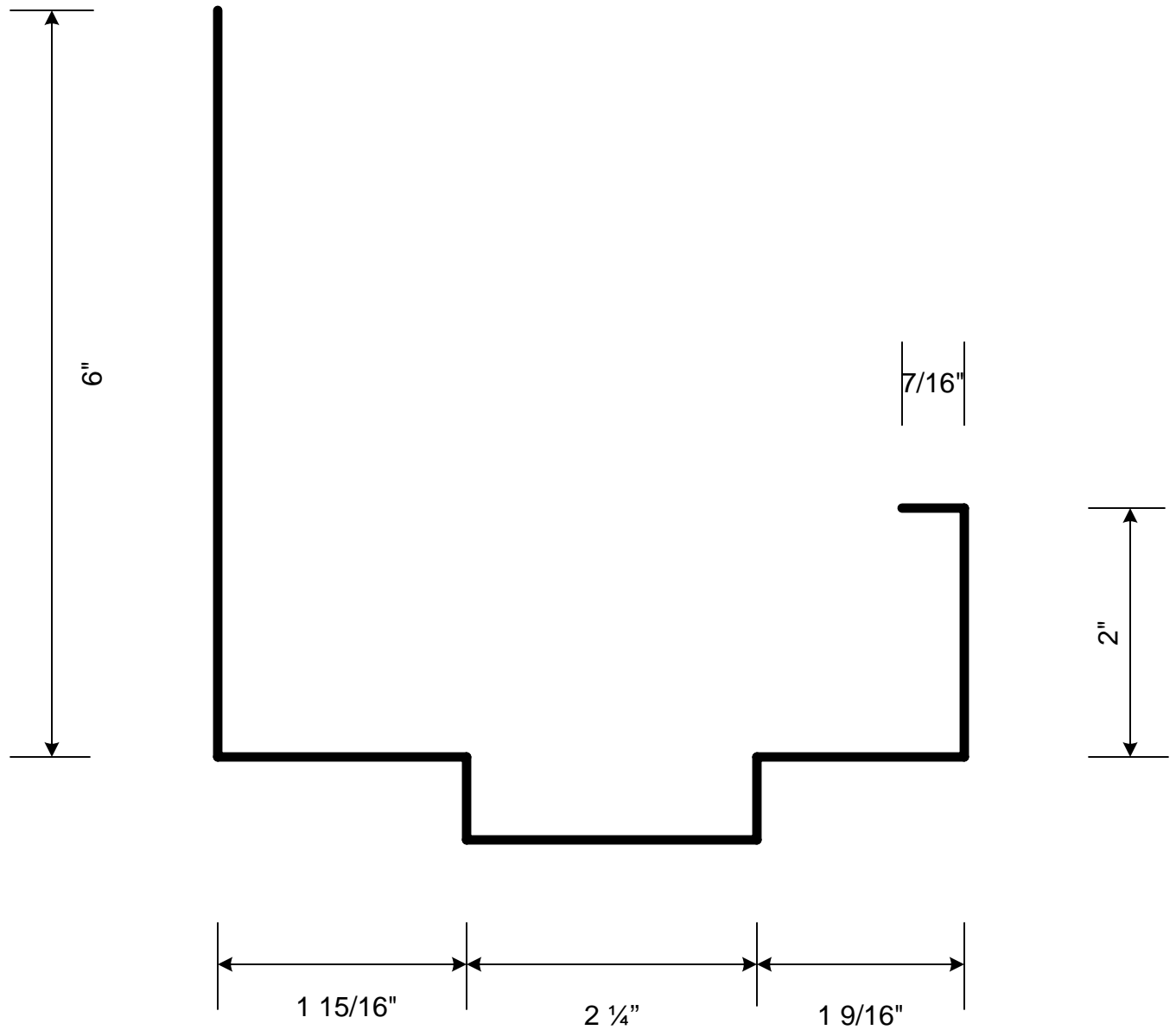
SERIES 500® OVERALL PREASSEMBLED DOOR DIMENSIONS
THURSDAY, JANUARY 24, 2008



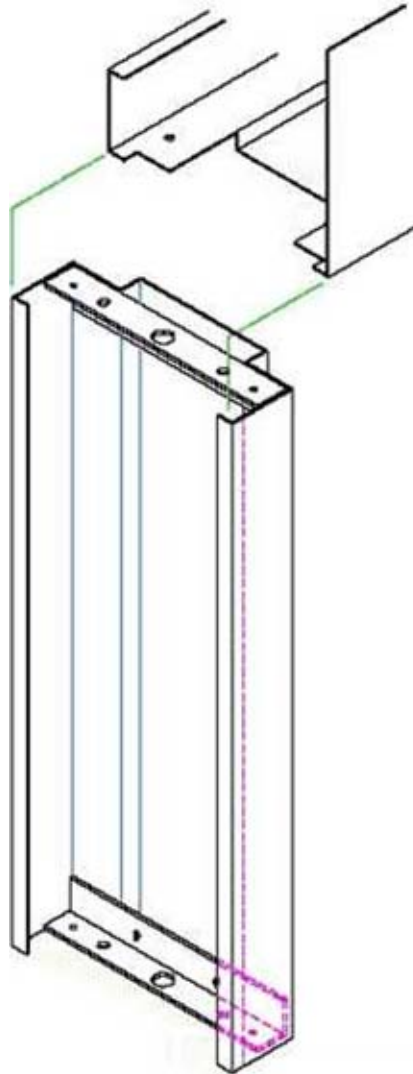
* Fire-rated Preassembled units have the same dimensions



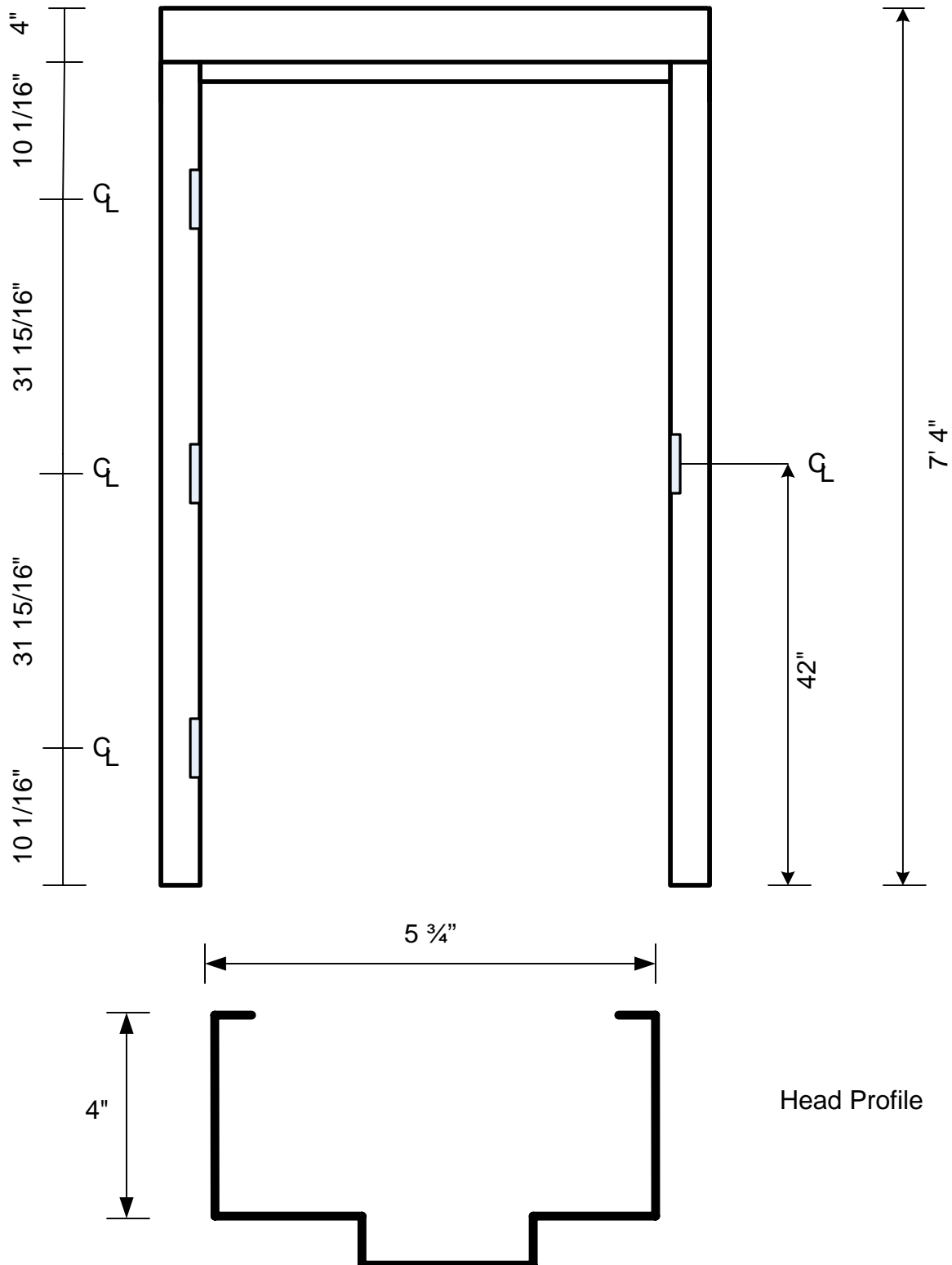


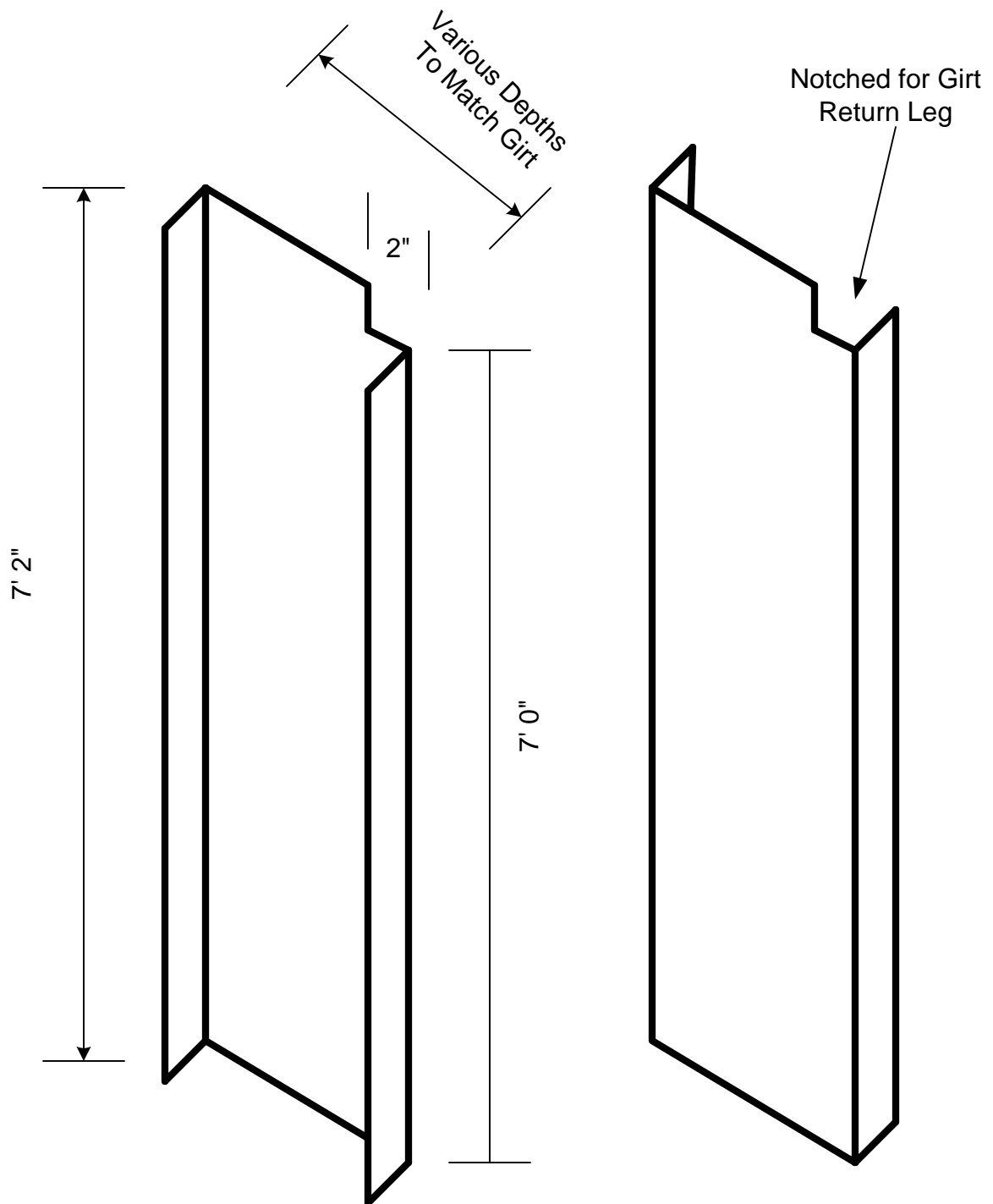


SERIES 500® HEAD / JAMB CONNECTION
THURSDAY, JANUARY 24, 2008



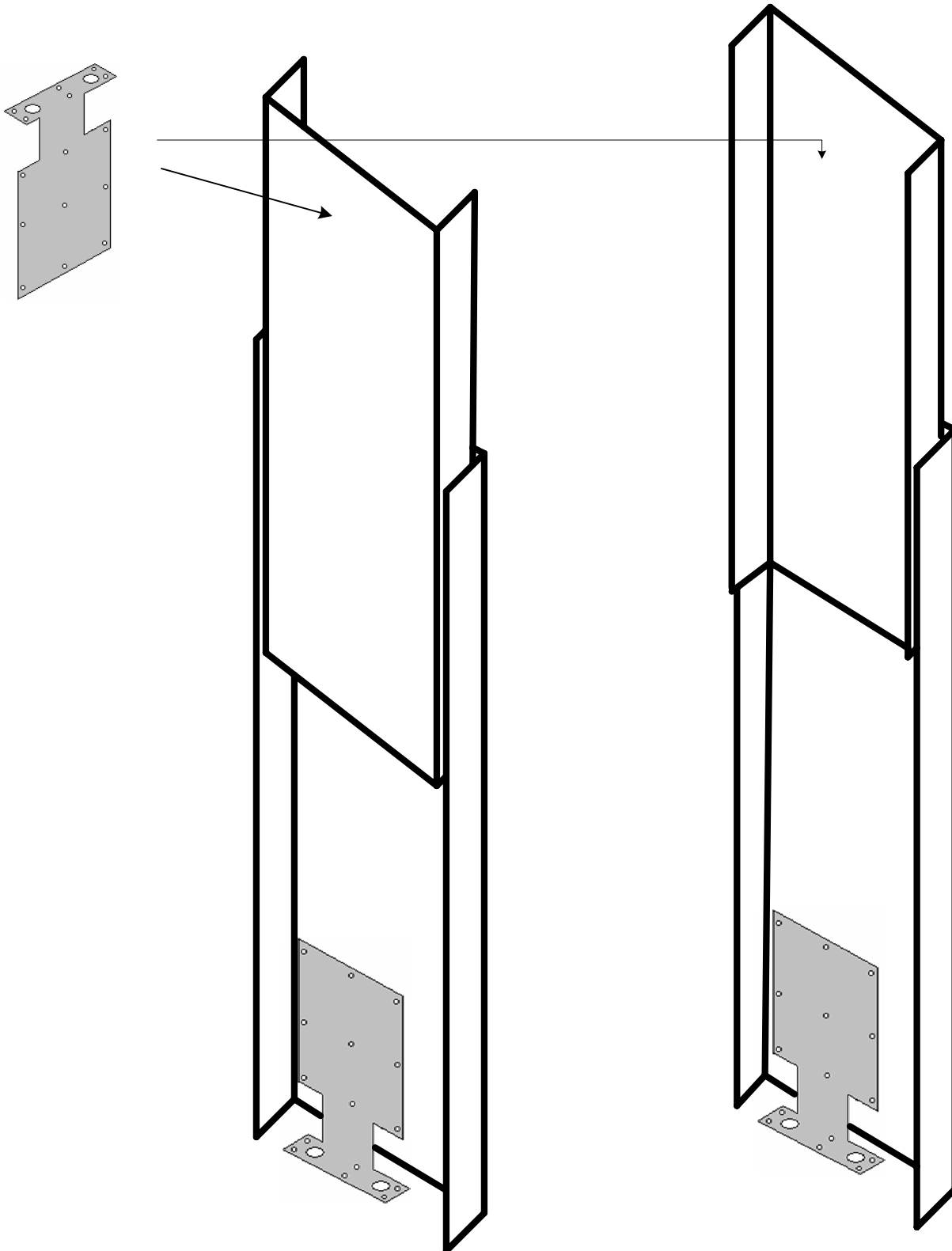
SERIES 500® OVERALL FRAME DIMENSIONS
THURSDAY, JANUARY 24, 2008

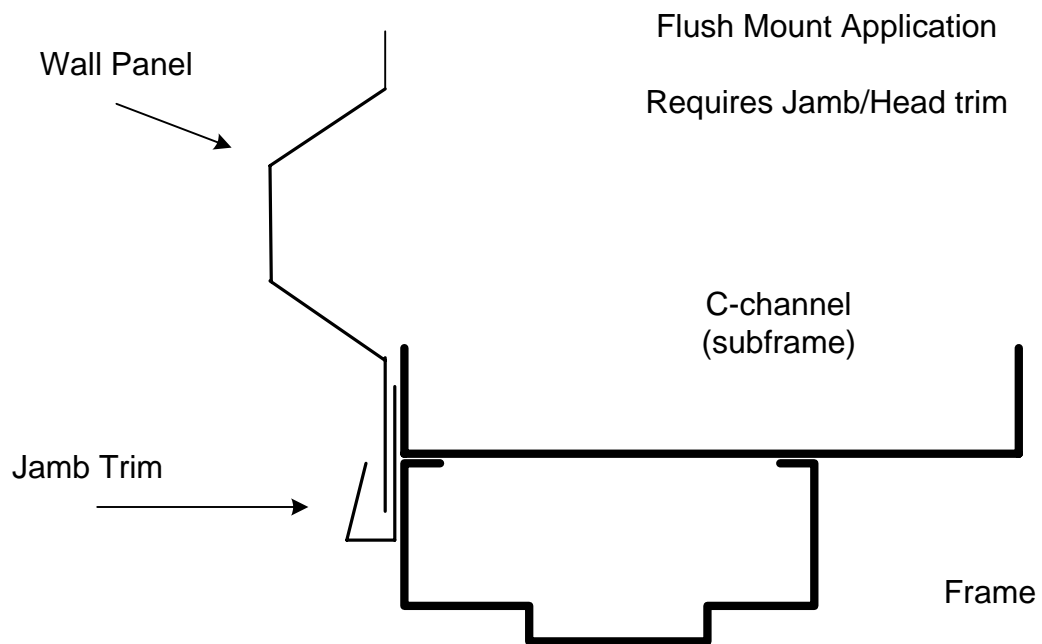




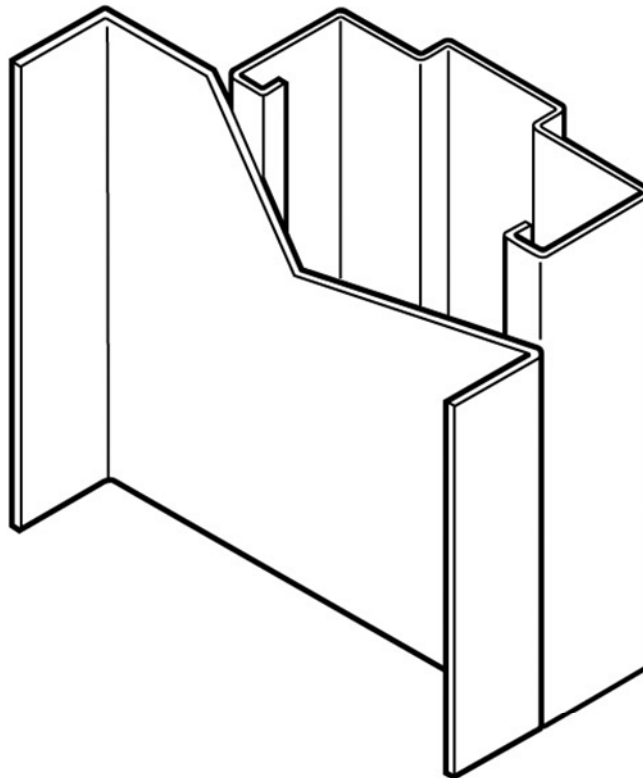
Subjams are 16 gauge galvanized. Optional 14 gauge available.

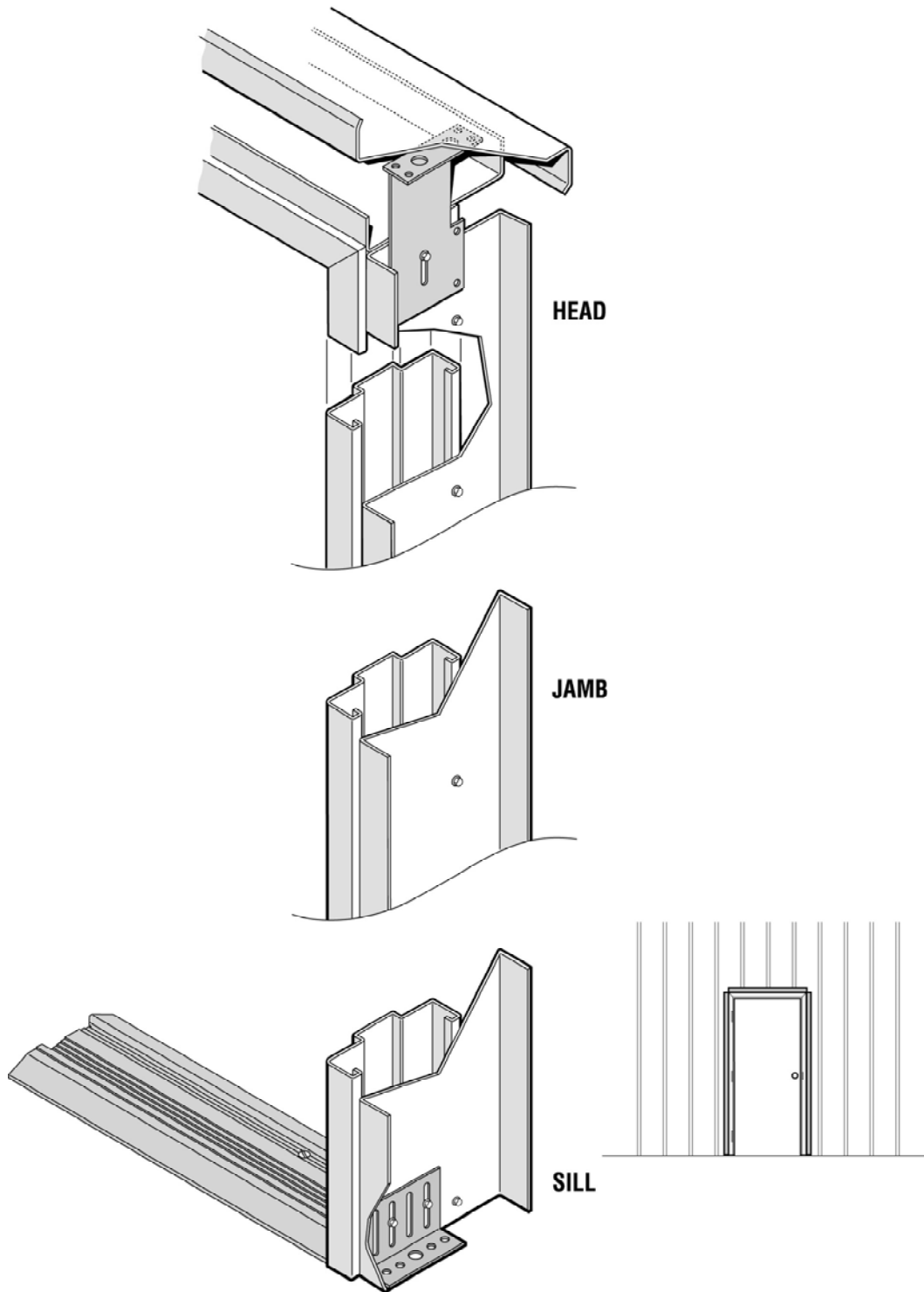
Subjamb extensions can be installed flush or inverted.
Extensions are undersized to fit exactly within existing subjambs

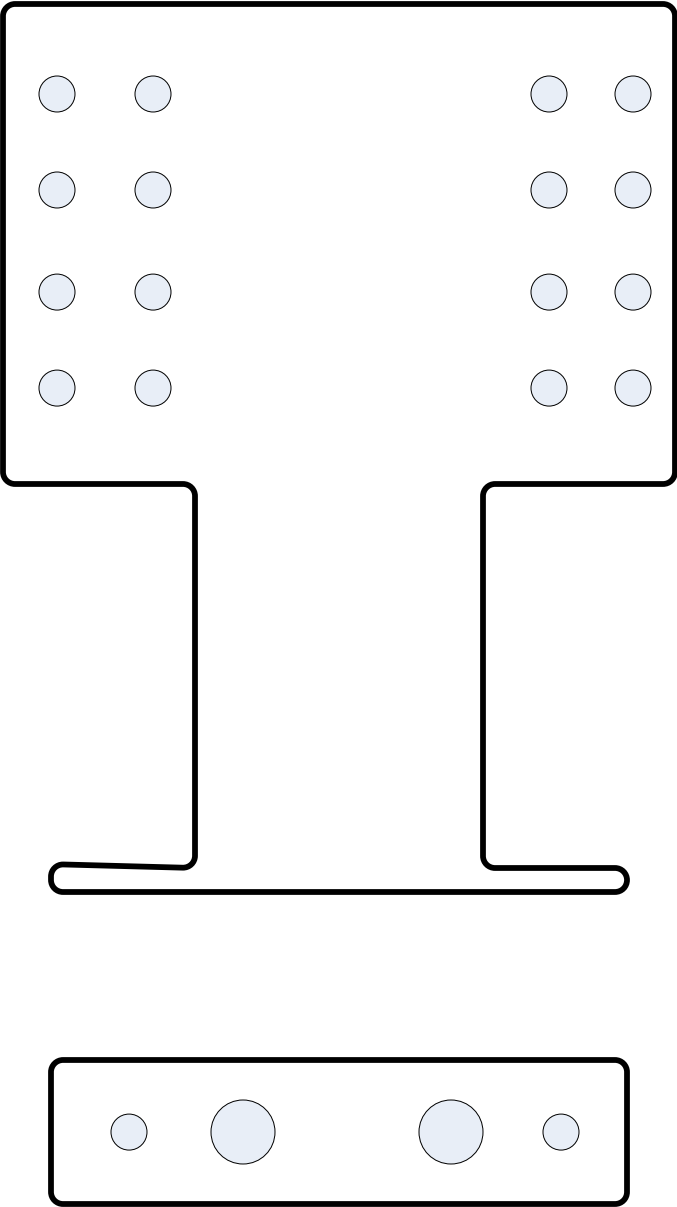


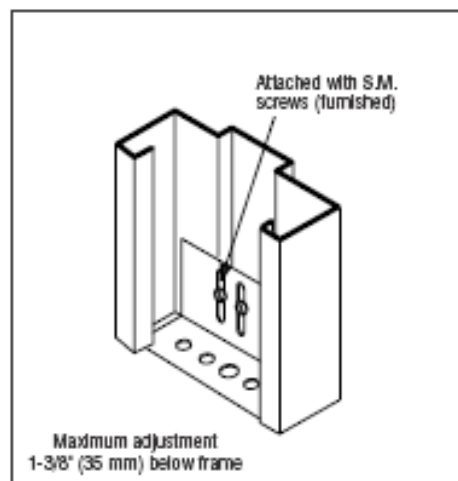
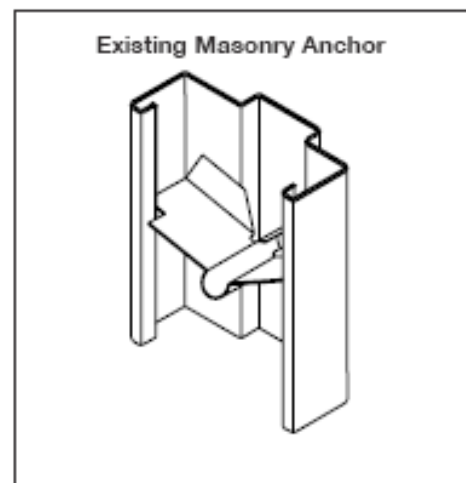
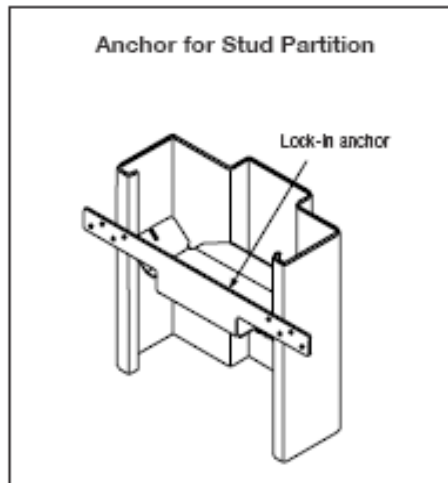
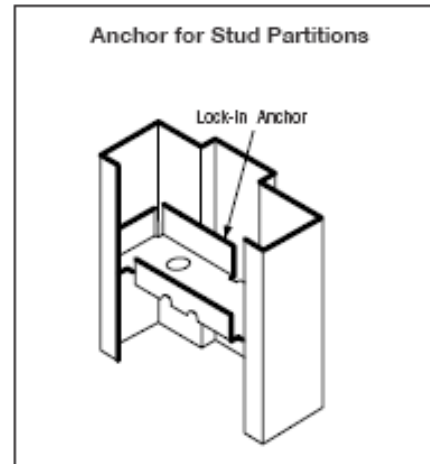
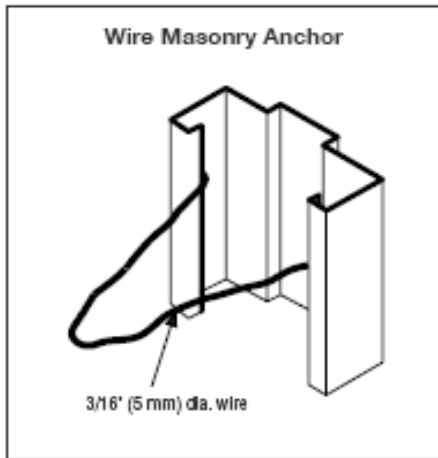


FLUSH SUBFRAME









Falcon Grade 2 Lever Lock



FEATURES

- * Cylindrical type construction
- * Non-handed
- * 2 3/4" backset
- * Chrome (US26D) finish
- * Stainless steel latchbolt with 1/2" throw, deadlocking for lock functions
- * Steel lock chassis, zinc dichromated for corrosion resistance
- * Fits standard 161 door prep with thru-bolting through the door
- * Free wheeling vandal resistant lever
- * Solid cast levers
- * Independent lever return springs
- * Strike 1 1/4" x 4 7/8" ANSI
- * Schlage "C" Keyway 6 pin cylinder
- * Meets ANSI A117.1 accessibility (ADA) code
- * Meets ANSI A156.2 series 4000, grade 2
- * UL listed for A label (3 hour) single swing doors
- * (2) year limited warranty

Falcon Grade 1 Lever Lock



FEATURES

- * Cylindrical type construction
- * Non-handed
- * 2 ¾" backset
- * Chrome (US26D) finish
- * Stainless steel latchbolt with ½" throw, deadlocking for lock functions
- * Steel lock chassis, zinc dichromated for corrosion resistance
- * Fits standard 161 door prep with thru-bolting through the door
- * Free wheeling vandal resistant lever
- * Solid cast levers
- * Independent lever return springs
- * Strike 1 ¼" x 4 7/8" ANSI
- * Schlage "C" Keyway 6 pin cylinder
- * Meets ANSI A117.1 accessibility (ADA) code
- * Meets ANSI A156.2 series 4000, grade 1
- * UL listed for A label (3 hour) single swing doors
- * (5) year limited warranty

Falcon Grade 1 Mortise Lever Lock



FEATURES

- * ANSI A156.13 series 1000, Grade 1
- * UL listed for "A" rated (3) hour fire door
- * ANSI A117.1 American Disabilities Act (ADA)
- * Cases are cold rolled formed steel .090. thick – Zinc dichromate plated
- * Lever – Non-handed, field reversible, solid forged brass
- * Trim – roses, escutcheon, turns (solid forged brass)
- * Latchbolt – latch $\frac{3}{4}$ " throw (brass), deadbolt 1" throw (brass), anti-friction
- * 2 $\frac{3}{4}$ " backset
- * US26D Finish
- * Schlage (SCC) 6 pin solid brass, C keyway
- * (5) year limited warranty

Monarch 19R Series Grade 1 Exit Device (Panic) With Key-In-Lever (KIL) Trim



914KIL Exterior
Trim

FEATURES

- * ANSI A156.3 Grade 1
- * Rail – fits 28" to 36" doors
- * Aluminum powder coat finish painted
- * Latch – stainless steel 3/4" throw
- * Deadlocking latchbolt standard
- * 2 3/4" backset
- * Adjustable strike with slotted holes
- * Surface mounted
- * Exterior sectional free-wheeling lever trim
- * Exterior trim is chrome (US26D) finish
- * 10 year limited warranty

Dor-O-Matic Grade 1 Surface Applied Closer

SC60



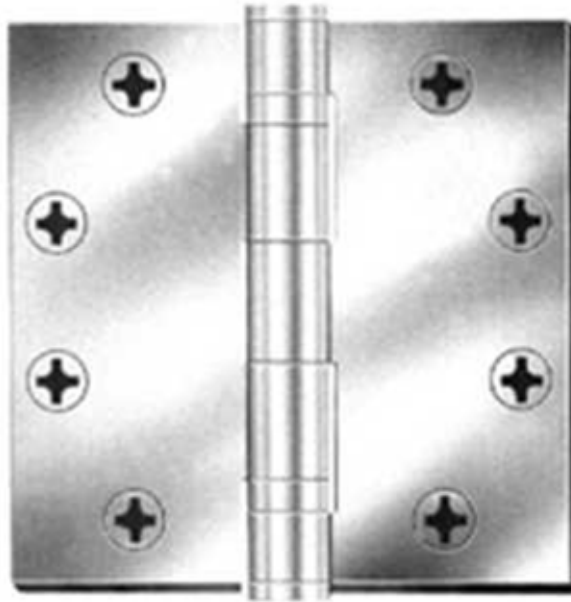
SC70



FEATURES

- * ANSI 156.4 Grade 1, UL listed (ADA Compliant)
- * All EXPI-DOORS installed closers are parallel arm application
- * Single piece cast aluminum body
- * Aluminum powder coat painted finish
- * Forged steel main arm for superior strength, adjustable extension arm
- * Door opening to 180 degrees
- * Non-handed
- * Adjustable hydraulic backcheck to provide cushioning and prevents uncontrolled opening of the door
- * Two independent non-critical adjusting valves for sweep and latch to provide consistent closing speeds
- * 10 year limited warranty

Full Mortise Hinges

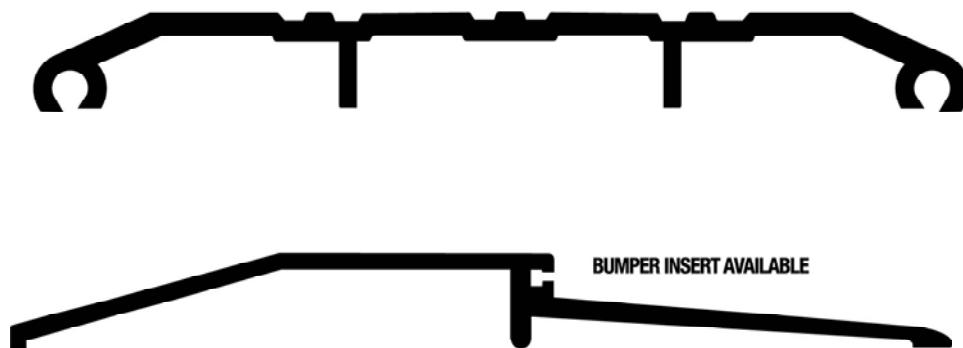


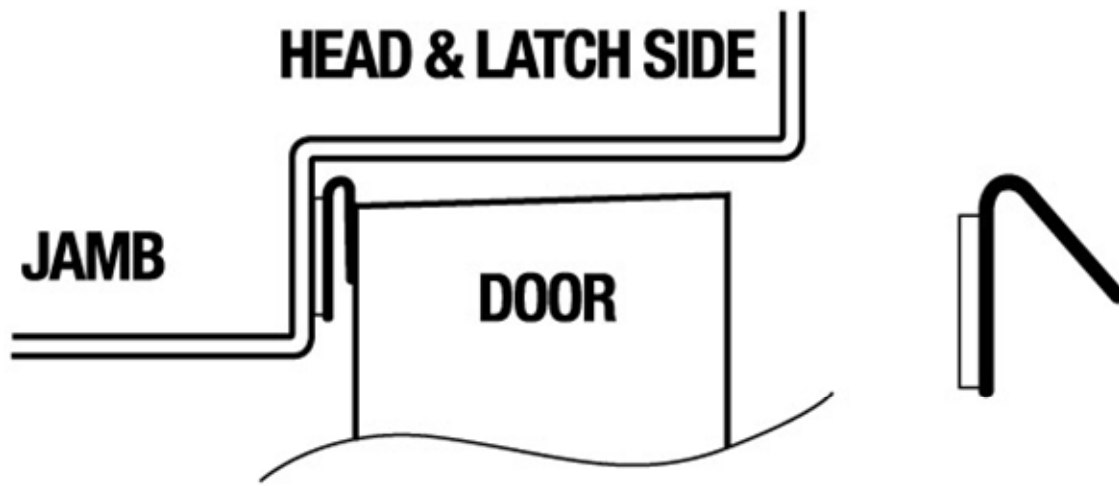
FEATURES

- * 4 ½" x 4 ½" size
- * Standard weight hinges
- * Non-removable pin for higher security
- * Five knuckle with button tip and plug
- * Ball bearing standard
- * ANSI 156.1-2000
- * Includes metal screws for installation
- * Powder coat finish for corrosion resistance



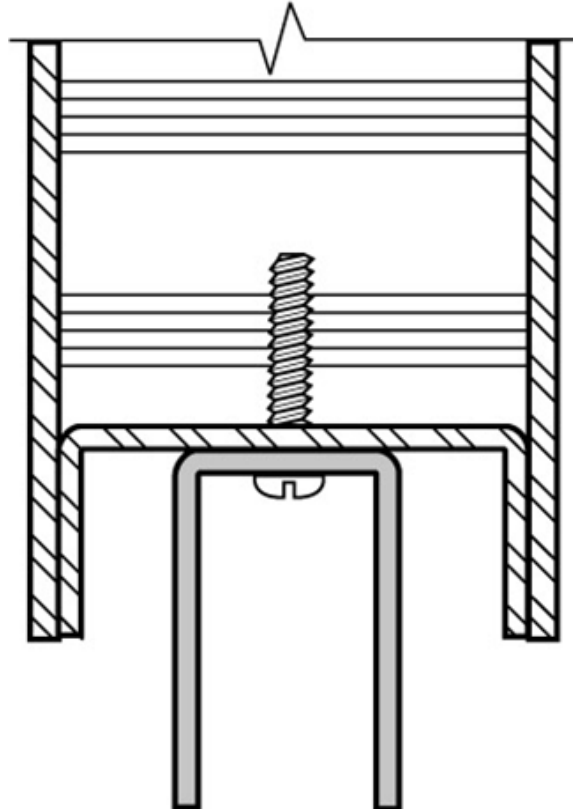
Thresholds for non-standard applications



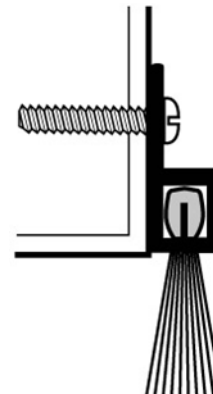
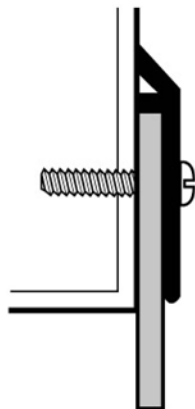


Additional Weatherseal Types





Additional Sweep Types –
Special Order



Hollow Metal Window
Borrowed Lite
5 3/4" Frame Depth – A40 Galvanealed
White or Bronze

