

STEEL DOOR & FRAME SYSTEMS, INC.

Standard Features Typical Sections Hardware CLOSED TOP LOCK EDGE ♦ 16 and 18 Gauge Doors **Preparations** ♦ Cold Rolled or Galvanized Steel ◆ Tight Corner Seam ANSI / SDI A115.1 ♦ Full Body Polystyrene Core or "MB" (MORTISE) Honeycomb Core ♦ Non-Handed Design ♦ 12-Gauge Closer Reinforcement ♦ 7-Gauge Hinge Reinforcement-Reversible NON-HANDED HINGE ♦ 16-Gauge Flush Top Cap - Galvanized MINIMUM CORE Standard / Heavy Duty CLEARANCE 1" FROM TOP, ♦ 16-Gauge Inverted Bottom Cap -1/2" AROUND Galvanized ALL HARDWARE REINF. ♦ Prime Painted Grey Two Part ANSI / SDI A115.2 Epoxy Factory Applied, Baked On "C" (BORED) ◆ Standard Lock Preparations Include 161, Fed 86 Edge, Panic Bar Reinforced ♦ WHI / ITS up to 3 hour, UNIVERSAL STRIKE Positive Pressure and A115.1 "U" "S" Smoke included ♦ Meets or Exceeds Standards for HINGE EDGE ANSI 250.4 and ANSI 250.8 **TOP VIEW** TYPICAL SECTION V 10 x 10 N 5 x 20 N 3 x 33 Warnock Hersey

Positive Pressure S Smoke



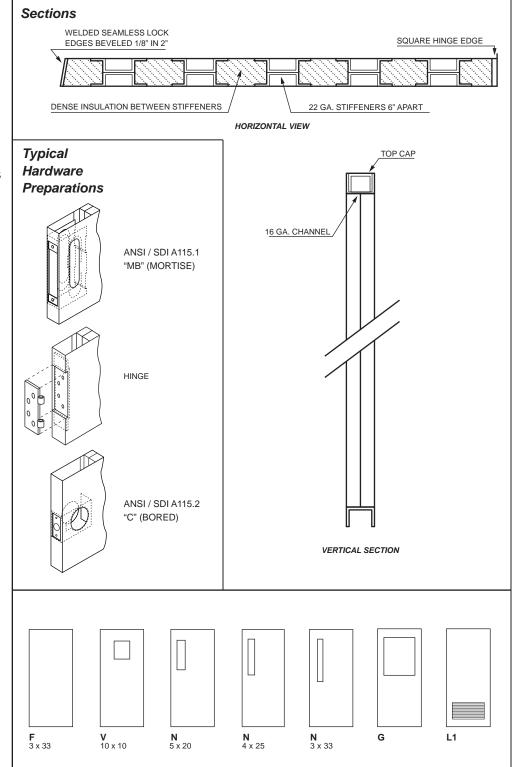
Standard Features **Typical Sections** Hardware CLOSED TOP LOCK EDGE ♦ 20-Gauge Cold Rolled **Preparations** CLOSER REINFORCEMENT or Galvanized Steel ♦ Seamless Filled Edges ANSI / SDI A115.1 ♦ Full Body Polystyrene Core "MB" (MORTISE) ♦ Non- Handed Design ♦ 12-Gauge Closer Reinforcement POLYSTYRENE CORE ♦ 7-Gauge Hinge Reinforcement-Reversible ♦ 16-Gauge Flush Top Cap - Galvanized NON-HANDED HINGE Standard / Heavy Duty MINIMUM CORE CLEARANCE 1" ♦ 16-Gauge Inverted Bottom Cap -FROM TOP, Galvanized 1/2" AROUND ALL HARDWARE ♦ Prime Painted Grey Two Part REINF. ANSI / SDI A115.2 Epoxy Factory Applied, Baked On "C" (BORED) ◆ Standard Lock Preparations Include 161, Fed 86 Edge, Panic Bar Reinforced ♦ WHI / ITS up to 3 hour, Positive Pressure and UNIVERSAL STRIKE A115.1 "U" "S" Smoke included ♦ Meets or Exceeds Standards for HINGE EDGE ANSI 250.4 and ANSI 250.8 **TOP VIEW** TYPICAL SECTION V 10 x 10 N 5 x 20 N 3 x 33 HG N 4 x 25







- ◆ 18-Gauge Galvanized Steel
- ♦ Seamless Filled Edges
- ◆ 22 Gauge Vertical Stiffeners on6-inch Centers Hat Shaped
- ◆ Fiberglass Insulation Filled Cavities 1-5/8" thick 1.5 lb.cu.ft
- ◆ Beveled Strike Edge, Square
 Hinge Edge
- ♦ 7-Gauge Hinge Reinforcement-Standard / Heavy Duty Design
- ♦ 16-Gauge Top Cap
- ♦ 16-Gauge Inverted Bottom Cap
- ♦ 14-Gauge Lock Reinforcement
- ♦ 12-Gauge Closer Reinforcement
- ◆ Prime Painted Grey Two Part
 Epoxy Factory Applied, Baked On
- Standard Lock Preparations
 Include 161, Fed 86 Edge,
 Panic Bar Reinforced
- ♦ Approved for Double Egress Use
- WHI / ITS up to 3 hour,
 Positive Pressure and
 "S" Smoke included
- Meets or Exceeds Standards for ANSI 240.4 and ANSI 250.8



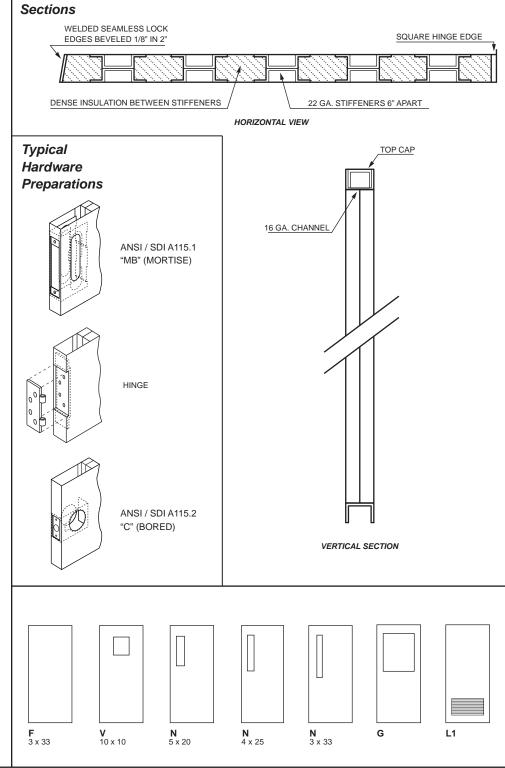








- ♦ 16-Gauge Galvanized Steel
- ♦ Seamless Filled Edges
- 22 Gauge Vertical Stiffeners on
 6-inch Centers Hat Shaped
- Fiberglass Insulation Filled Cavities
 1-5/8" thick 1.5 lb.cu.ft
- ◆ Beveled Strike Edge, Square
 Hinge Edge
- 7-Gauge Hinge Reinforcement-Standard / Heavy Duty Design
- ♦ 16-Gauge Top Cap
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- ♦ 14-Gauge Lock Reinforcement
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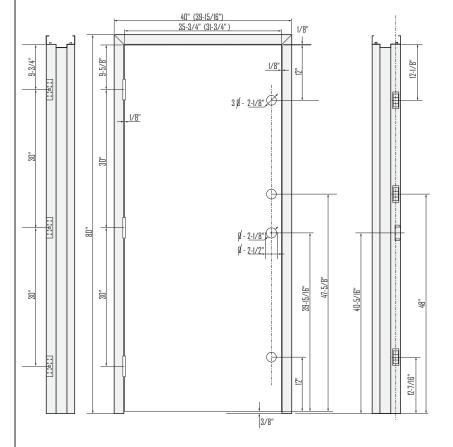


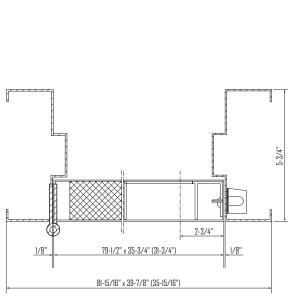


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- ♦ 14 Gauge Door
- ◆ 12 Gauge Frame
- ♦ 161 Prep and 3 Deadbolt Preps
- ♦ Polystyrene Core
- ♦ 2-3/4" Backset
- ♦ 3/8" Undercut
- ♦ 4-1/2" x 4-1/2" Heavy Duty Hinge Prep
- ◆ DKS Steel Door & Frame Locations



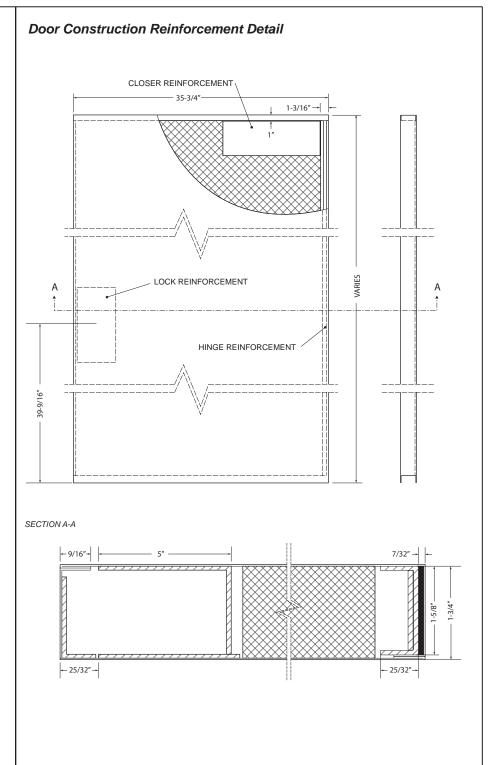








- ♦ 16 and 18 Gauge Doors
- ♦ Cold Rolled or Galvanized Steel
- ◆ Tight Corner Seam
- ◆ Full Body Polystyrene Core
- ♦ Non-Handed Design
- ♦ 12-Gauge Closer Reinforcement
- ♦ Continuous 7-Gauge Channel Hinge Reinforcement Set at Heavy Duty Depth - Full Height
- ♦ 14-Gauge, 10-inch Lock Face Reinforcements
- ♦ 16-Gauge Flush Top Cap
- ♦ 16-Gauge Inverted Bottom Cap
- ♦ Prime Painted Grey Two Part Epoxy Factory Applied, Baked On
- ♦ Remove Skin at Desired Locations for Hinge Size - Template, Drill and Tap, Apply Reversible Hinge Shim











Standard Features Typical Sections Hardware CLOSED TOP LOCK EDGE ♦ 16-Gauge Cold Rolled **Preparations** or Galvanized Steel ♦ Seamless Filled Edges ANSI / SDI A115.1 ♦ Full Body Polystyrene Core "MB" (MORTISE) ♦ Non- Handed Design ♦ 12-Gauge Closer Reinforcement POLYSTYRENE CORE ♦ 7-Gauge Hinge Reinforcement-Reversible ♦ 16-Gauge Flush Top Cap - Galvanized NON-HANDED HINGE Standard / Heavy Duty MINIMUM CORE CLEARANCE 1" ♦ 16-Gauge Inverted Bottom Cap -FROM TOP, Galvanized 1/2" AROUND ALL HARDWARE ♦ Prime Painted Grey Two Part REINF. ANSI / SDI A115.2 Epoxy Factory Applied, Baked On "C" (BORED) ◆ Standard Lock Preparations Include 161, Fed 86 Edge, Panic Bar Reinforced ♦ WHI / ITS up to 3 hour, Positive Pressure and UNIVERSAL STRIKE A115.1 "U" "S" Smoke included ♦ Meets or Exceeds Standards for ANSI 250.4 and ANSI 250.8 **TOP VIEW** TYPICAL SECTION V 10 x 10 N 5 x 20 N 4 x 25 N 3 x 33





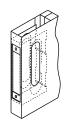




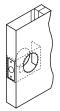
- ♦ 18 and 20 Gauge Cold Rolled or Galvanized Steel
- ♦ Seamless Filled Edges
- ♦ Full Body Polystyrene Core
- ♦ Non-Handed Design
- ♦ 12-Gauge Closer Reinforcement
- ♦ 7-Gauge Hinge Reinforcement-Standard / Heavy Duty
- ♦ 16-Gauge Flush Top Cap Galvanized
- ♦ 16-Gauge Inverted Bottom Cap -Galvanized
- ♦ ADA 10 inch Minimum Bottom Rail

- ♦ Prime Painted Grey Two Part Epoxy Factory Applied, Baked On
- ♦ Standard Lock Preparations Include 161, Fed 86 Edge, Panic Bar Reinforced
- ♦ WHI / ITS up to 3 hour, Positive Pressure and "S" Smoke included
- ♦ STC Rated 28, Model 32-1700 STC Rated 32
- ♦ Meets or Exceeds Standards for ANSI 250.4 and ANSI 250.8

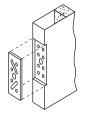
Typical Hardware Preparations



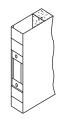
ANSI / SDI A115.1 "MB" (MORTISE)



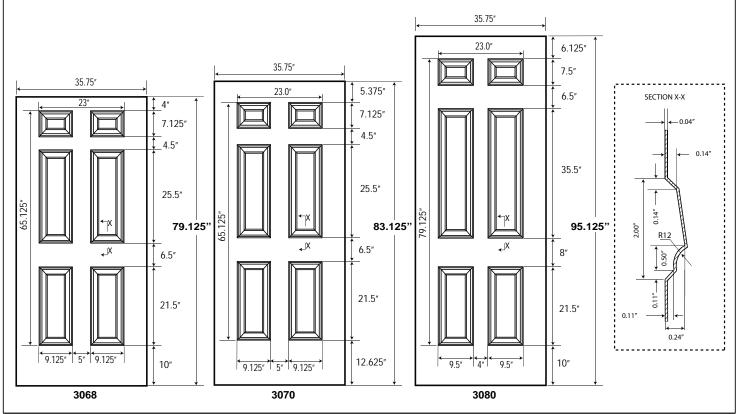
ANSI / SDI A115.2 "C" (BORED)



NON-HANDED HINGE



UNIVERSAL STRIKE A115.1 "U"











Standard Features Typical Sections Hardware CLOSED TOP LOCK EDGE ♦ 18-Gauge Cold Rolled **Preparations** CLOSER REINFORCEMENT or Galvanized Steel ♦ Seamless Filled Edges ANSI / SDI A115.1 ♦ Full Body Polystyrene Core "MB" (MORTISE) ♦ Non- Handed Design ♦ 12-Gauge Closer Reinforcement POLYSTYRENE CORE ♦ 7-Gauge Hinge Reinforcement-Reversible ♦ 16-Gauge Flush Top Cap - Galvanized NON-HANDED HINGE Standard / Heavy Duty MINIMUM CORE CLEARANCE 1" ♦ 16-Gauge Inverted Bottom Cap -FROM TOP, Galvanized 1/2" AROUND ALL HARDWARE ♦ Prime Painted Grey Two Part REINF. ANSI / SDI A115.2 Epoxy Factory Applied, Baked On "C" (BORED) ◆ Standard Lock Preparations Include 161, Fed 86 Edge, Panic Bar Reinforced ♦ WHI / ITS up to 3 hour, Positive Pressure and UNIVERSAL STRIKE A115.1 "U" "S" Smoke included ♦ Meets or Exceeds Standards for ANSI 250.4 and ANSI 250.8 **TOP VIEW** TYPICAL SECTION V 10 x 10 N 5 x 20 N 4 x 25 N 3 x 33



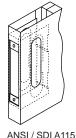




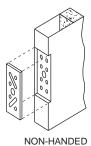


- ♦ 18 Gauge Cold Rolled or Galvanized Steel
- ♦ Seamless Filled Edges
- ♦ Full Body Polystyrene Core
- ♦ Non-Handed Design
- ♦ 12-Gauge Closer Reinforcement
- ♦ 7-Gauge Hinge Reinforcement-Standard / Heavy Duty
- ♦ 16-Gauge Flush Top Cap Galvanized
- ♦ 16-Gauge Inverted Bottom Cap -Galvanized-
- ♦ ADA 10 inch Minimum Bottom Rail
- ♦ Prime Painted Grey Two Part Epoxy Factory Applied, Baked On
- ◆ Standard Lock Preparations Include 161, 161-DL, Fed 86 Edge, Panic Bar Reinforcement
- ♦ WHI / ITS up to 3 hour, Positive Pressure and "S" Smoke included
- ♦ STC Rated 28, Model 32-1900 STC Rated 32
- ♦ Meets or Exceeds Standards for ANSI 250.4 and ANSI 250.8

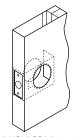
Typical Hardware Preparations







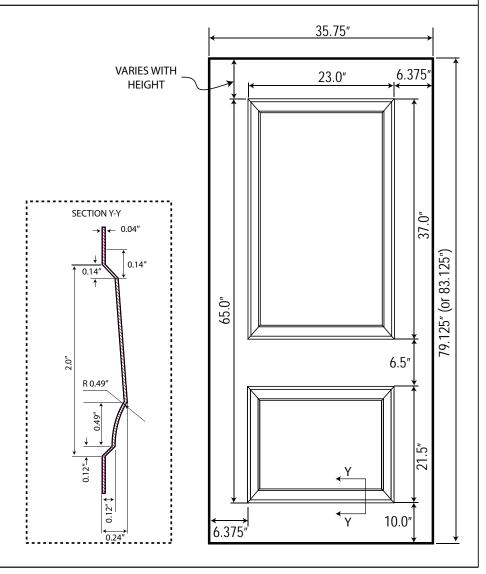
HINGE



ANSI / SDI A115.2 "C" (BORED)



UNIVERSAL STRIKE A115.1 "U"



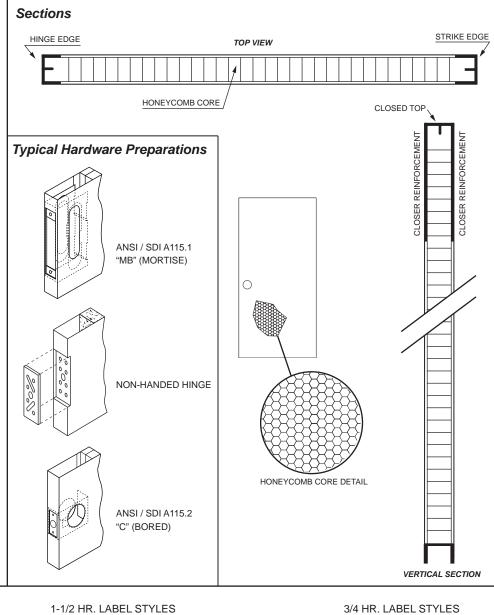




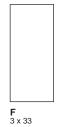




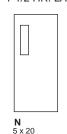
- ♦ 18/16 Gauge Cold Rolled or Galvanized Steel
- ♦ Seamless Filled Edges
- ♦ Full Body Honeycomb Core #90 Density Weight
- ♦ Non Handed Design
- ♦ 12 Gauge Closer Reinforcement
- ♦ 7-Gauge Hinge Reinforcement-Reversible
- ♦ 16-Gauge Top Cap Galvanized
- ♦ 16-Gauge Inverted Bottom Cap -Galvanized
- ♦ Hardware Reinforced for 161, Fed 86 Edge, Panic Bar Application
- ♦ Prime Painted Grey Two Part Epoxy Factory Applied, Baked On
- ♦ WHI / ITS up to 3 hour, Positive Pressure and "S" Smoke included
- ♦ Meets or Exceeds Standards for ANSI 240.4 and ANSI 250.8



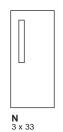
3 HR. LABEL STYLES

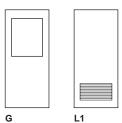


V 10 x 10









Warnock Hersey





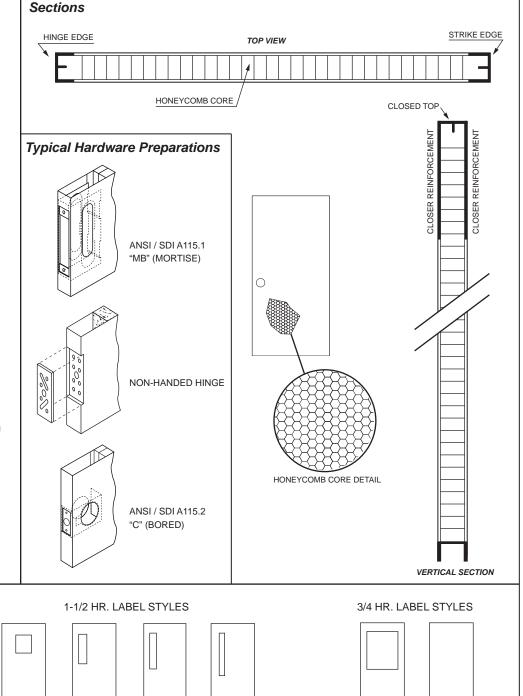


- ♦ 18/16 Gauge Cold Rolled or Galvanized Steel
- ♦ Seamless Filled Edges
- ◆ Full Body Honeycomb Core #90 Density Weight
- ♦ Non Handed Design
- ♦ 12 Gauge Closer Reinforcement
- ♦ 7-Gauge Hinge Reinforcement-Reversible
- ♦ 16-Gauge Top Cap Galvanized
- ♦ 16-Gauge Inverted Bottom Cap -Galvanized
- ♦ Reinforced for Double Egress Surface Vertical Rod Application
- ♦ Prime Painted Grey Two Part Epoxy Factory Applied, Baked On
- ♦ WHI / ITS up to 3 hour, Positive Pressure and "S" Smoke included

3 HR. LABEL STYLES

F 3 x 33

♦ Meets or Exceeds Standards for ANSI 240.4 and ANSI 250.8







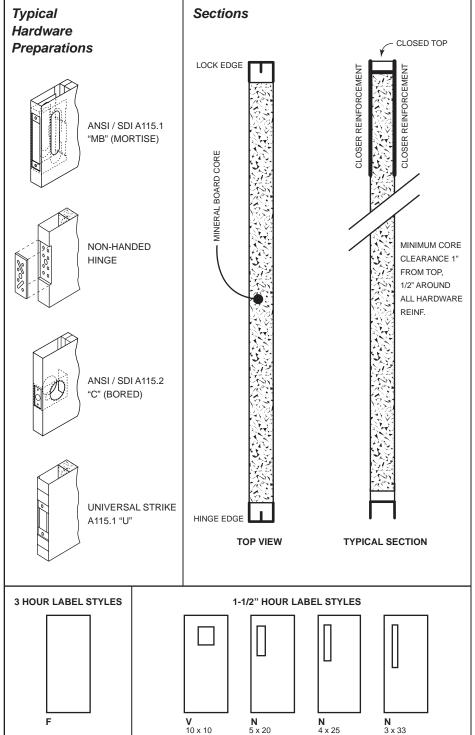
N 5 x 20



N 4 x 25



- ♦ 1-3/4" Temperature Rise Doors 250° or 450°
- ♦ 18 or 16 Gauge Cold Rolled or Galvanized Steel
- ♦ Seamless Filled Edges
- ♦ Full Body Mineral Core
- ♦ Non- Handed Design
- ♦ 12-Gauge Closer Reinforcement
- ♦ 7-Gauge Hinge Reinforcement-Standard / Heavy Duty
- ♦ 16-Gauge Flush Top Cap Galvanized
- ♦ 16-Gauge Inverted Bottom Cap -Galvanized
- ♦ Prime Painted Grey Two Part Epoxy Factory Applied, Baked On
- ♦ Standard Lock Preparations Include 161, Fed 86 Edge, Panic Bar Reinforced
- ♦ WHI / ITS up to 3 hour, Positive Pressure and "S" Smoke included
- ♦ Meets or Exceeds Standards for ANSI 250.4 and ANSI 250.8



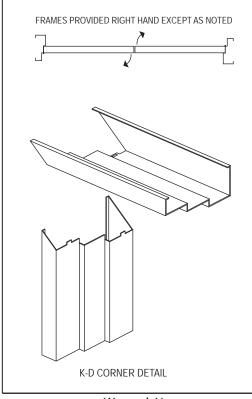


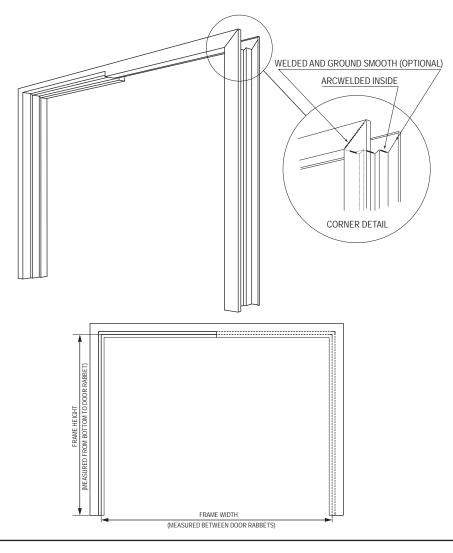


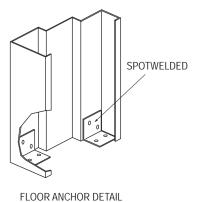


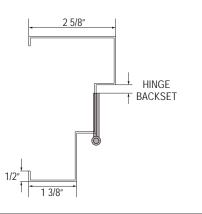


- ◆ 16-Gauge Cold Rolled Steel or A-40 Galvanized option
- ♦ Double Egress Profile
- ♦ Exact fit mitered corner
- ♦ 7-Gauge Hinge Reinforcement
- ♦ Standard / Heavy Duty Adjustment
- ◆ Floor Anchors in all jamb sides
- ♦ Wall anchors for Masonry, Wood Stud, Metal Stud and Strap Anchors
- ♦ 4-inch to 13-inch jamb depths
- ♦ 20-minute to 3-hour label











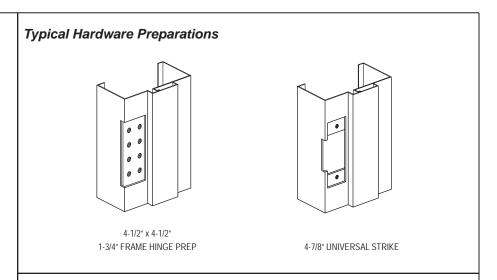
Positive Pressure S Smoke

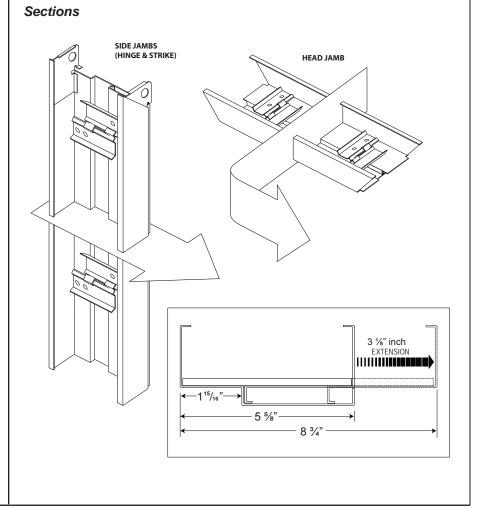




16-Gauge Expandable Masonry Frames EXP4000 Series

- ♦ 16-Gauge A-40 Galvanized Steel
- ♦ 3-Piece System Designed to Adjust to Multiple Depth Wall Conditions
- ♦ Slide Rails along the Frame Throat Enables the Frame to Accomodate 5.625" to 8.75" Thick Walls
- ♦ Three 7-Gauge 4.5" x 4.5" Hinge Reinforcements for 6'8" and 7'0" Doors
- ♦ Four 7-Gauge 4.5" x 4.5" Hinge Reinforcements for 8' Doors
- ♦ Hinge Reinforcement Accepts Standard or Heavy Weight Template Hinges
- ♦ 12-Gauge ASA Strike Reinforcement
- ♦ Frame is Prepared for Silencer Operation
- ♦ 90 Minute WHI Mark as Standard







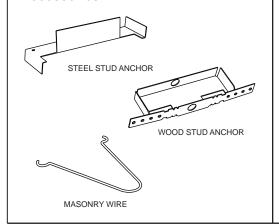




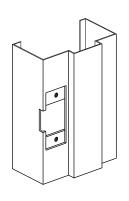


- ♦ 16-Gauge Cold Rolled or **Galvanized Steel**
- ♦ Unequal Rabbet / 2-inch Face 4-inch Face Heads Available
- ♦ 5/8-inch Stop Height
- ◆ Exact Fit Mitered Corners
- ◆ 7-Gauge Hinge Reinforcement with Standard / Heavy Duty Adjustment
- ♦ 4-7/8" Universal Strike Preparation
- ◆ Floor Anchor Included
- ♦ 9/32-inch Silencer Preparation
- ♦ Wall Anchors for, Masonry, Wood Stud and Metal Stud Walls, Loose or Welded In.
- ♦ 4" 13" Jamb Depth
- ♦ 20 Minute to 3 Hour Fire Label

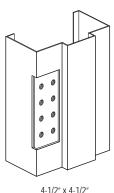
Accessories



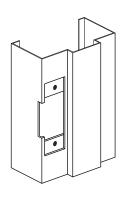
Typical Hardware Preparations



2-3/4" CYLINDRICAL STRIKE

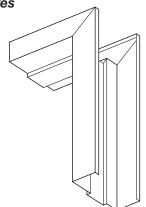


1-3/4" FRAME HINGE PREP

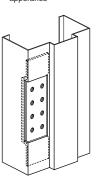


4-7/8" UNIVERSAL STRIKE

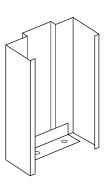
Features



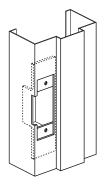
WELDED CORNERS Welded corners are tight fitting to provide a smooth seamless



HINGE REINFORCEMENT 7 Gauge standard / heavy duty hinge reinforcement



FLOOR ANCHOR 18 Gauge floor anchors are standard in all masonry frames



STRIKE REINFORCEMENT 14 Gauge strike reinforcements and mortar boxes are designed for accurate and universal function





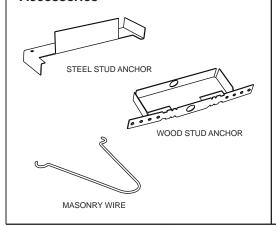




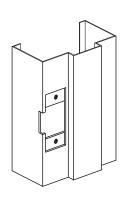


- ♦ 14-Gauge Cold Rolled or Galvanized Steel
- ♦ Unequal Rabbet / 2-inch Face 4-inch Face Heads Available
- ♦ 5/8-inch Stop Height
- ◆ Exact Fit Mitered Corners
- ◆ 7-Gauge Hinge Reinforcement with Standard / Heavy Duty Adjustment
- ♦ 4-7/8" Universal Strike Preparation
- ♦ Floor Anchor Included
- ♦ 9/32-inch Silencer Preparation
- ♦ Wall Anchors for, Masonry, Wood Stud and Metal Stud Walls. Loose or Welded In.
- ♦ 4" 13" Jamb Depth
- ◆ 20 Minute to 3 Hour Fire Label

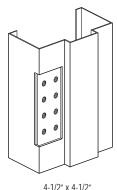
Accessories



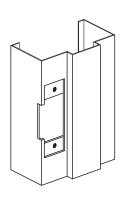
Typical Hardware Preparations





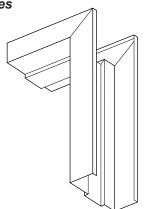


1-3/4" FRAME HINGE PREP

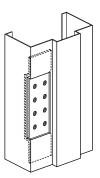


4-7/8" UNIVERSAL STRIKE

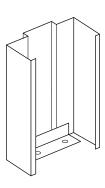
Features



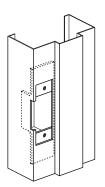
WELDED CORNERS Welded corners are tight fitting to provide a smooth seamless



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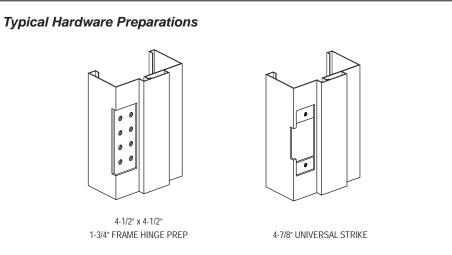
Positive Pressure S Smoke

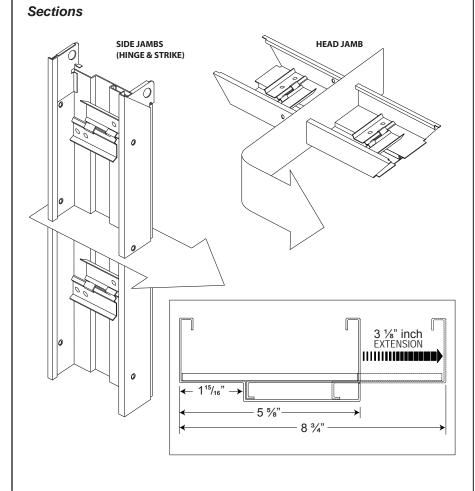






- ♦ 16-Gauge A-40 Galvanized Steel
- ♦ 3-Piece System Designed to Adjust to Multiple Depth Wall Conditions
- ♦ Slide Rails along the Frame Throat Enables the Frame to Accomodate 5.625" to 8.75" Thick Walls
- ♦ Three 7-Gauge 4.5" x 4.5" Hinge Reinforcements for 6'8" and 7'0" Doors
- ♦ Four 7-Gauge 4.5" x 4.5" Hinge Reinforcements for 8' Doors
- ♦ Hinge Reinforcement Accepts Standard or Heavy Weight Template Hinges
- ♦ 12-Gauge ASA Strike Reinforcement
- ◆ Frame is Prepared for Silencer Operation
- ♦ 90 Minute WHI Mark as Standard







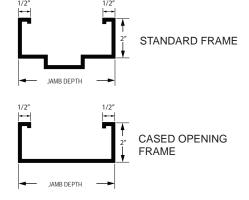




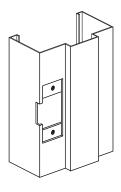


- ♦ 16-Gauge Cold Rolled Steel
- ♦ Unequal Rabbet / 2-inch Face
- ♦ 5/8-inch Stop Height
- ♦ Exact Fit Mitered Corners with Screw Reinforcement Between Head and Jamb Sides
- ◆ 7-Gauge Hinge Reinforcement with Standard / Heavy Duty Adjustment
- ♦ 4-7/8" Universal Strike Preparation
- ♦ Screw Adjusting Compression Anchors on Jamb Side
- ♦ 9/32-inch Silencer Preparation
- ♦ 5-5/8" 9-3/4" Jamb Depth
- ♦ 1/2 inch Double Returns
- ♦ 20 to 90 Minute Fire Label

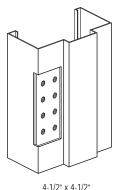
Frame Profiles



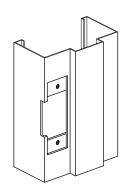
Typical Hardware Preparations





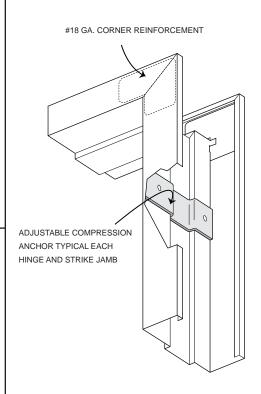


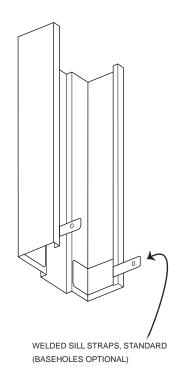
1-3/4" FRAME HINGE PREP



4-7/8" UNIVERSAL STRIKE

Features





Warnock Hersey









7000 Series

- ♦ 10-foot length blank fabrication material
- ♦ 16 and 14-Gauge A-40 Galvanized 2-inch face
- ♦ Unequal rabbet, cased open
- ♦ 4-inch face material
- ♦ Single return masonry
- ♦ 5.25 to 10.75-inch depths

8000 Series

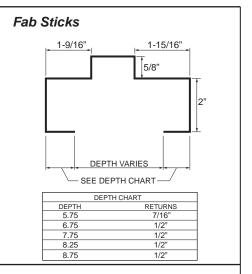
- ♦ 10-foot length blank fabrication material
- ♦ 16-Gauge cold rolled 2-inch face
- ◆ Unequal rabbet
- ◆ Double return drywall
- ♦ 5.625 to 9.75-inch depths

7500 / 7800 Series

- ♦ 10-foot length blank fabrication material
- ◆ Unequal rabbet
- ♦ 16-Gauge A-40 Galvanized and cold rolled material
- ♦ Hinge Mullion, Strike Mullion and Blank Mullion
- ♦ 10-foot hinge and strike jamb in 6'8" and 7'0" locations

1-9/16" 1-15/16" 5/8" 5/8" DEPTH VARIES

Mullions



4.5 x 4.5 Hinge Reinforcements ♦ 7-Gauge Reinforcements ♦ 18-Gauge Floor Anchor ♦ Grey Prime

