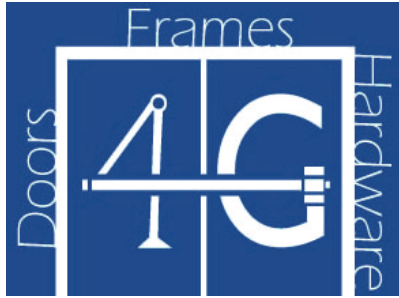


4G DOORS FRAMES HARDWARE



4G Doors

31147 Plymouth Rd. Livonia

MI 48150

734-883-7468

sales@4gdoors.com

www.4gdoors.com





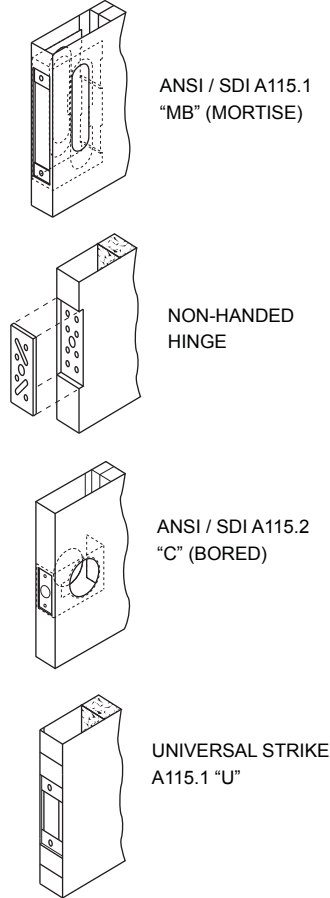
Seamed Edge Doors - 1000 Series	1
20-Gauge Standard Doors - 1200 Series	2
18-Gauge Steel Stiffened Doors - 1300 Series	3
16-Gauge Steel Stiffened Doors - 1400 Series	4
Maximum Duty Doors and Frames - MD1400 Series	5
Retrofit / Replacement Doors - 1500 Series	6
16-Gauge Standard Doors - 1600 Series	7
6 Panel Doors - 1700 Series	8
CVR Prepared Doors - 1800 & 1600 Series	9
18-Gauge Standard Doors - 1800 Series	10
2-Panel Doors - 1900 Series	11
Single Panel Doors - SP1900 Series	12
Honeycomb Core Doors - 2000 Series	13
Double Egress - Honeycomb Core Doors - 6000 Series	14
Temperature Rise Doors - 9000 Series	15
Metal Louver Utility Doors - LV7000 Series	16
16-Gauge Double Egress Frames - 3000 Series	17
16-Gauge Expandable Masonry Frames - EXP4000 Series	18
16-Gauge Masonry Frames - 4000 / 4500 Series	19
14-Gauge Masonry Frames - 4100 Series	20
16-Gauge Expandable Drywall Frames - EXP5000 Series	21
16-Gauge Dry Wall Frames - 5000 Series	22
Fabrication Components - 7000, 8000, 7500/7800 Series	23
Vision Lite Low Profile - 45-180 Minute Fire Rated - SVL Series	24
Vision Lite Standard Profile - 45/180 Minute Fire Related - VL Series	25
Vision Lite Standard Profile - 45/180 Minute Fire Related - 10VL Series, For 1" Glass	26
Divided Reverse "Y" Blade Louvers - 90 Minute Fire Rated - YLV Series	27
Inverted Y-Blade Louvers - 90 Minute Fire Rated - VLV Series	28
Adjustable Fusible Link Louvers - 90 Minute Fire Rated - FLLV Series	29
Standard and Low Profile Vision Lite Kits - 45-180 Minute Fire Rated - SVL & VL Series	30
Glass Accessories	31



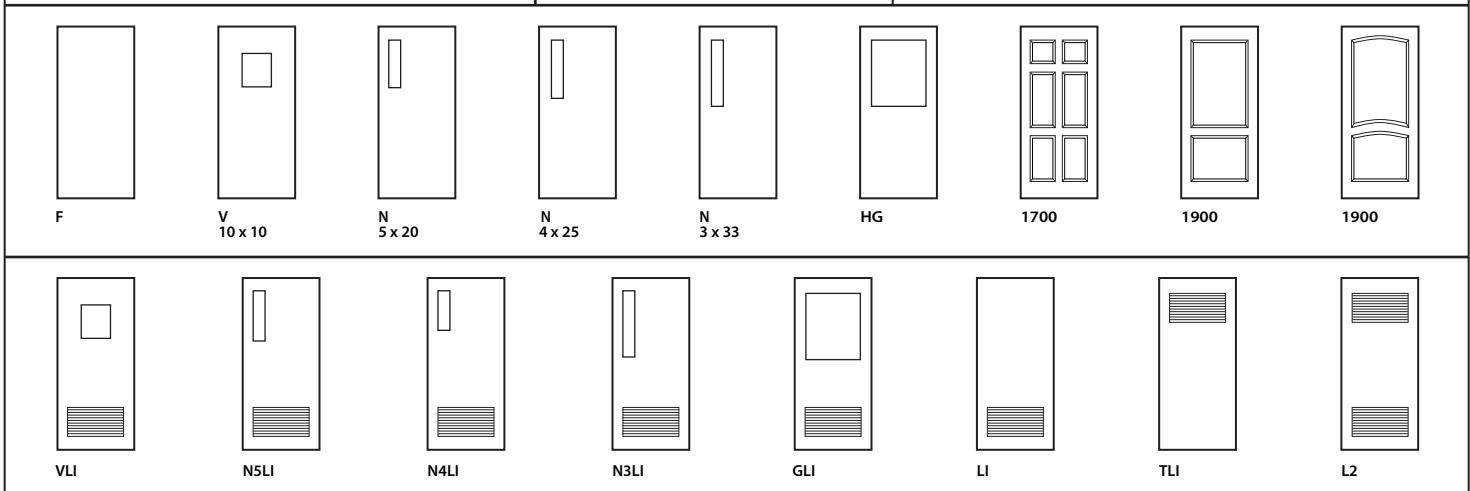
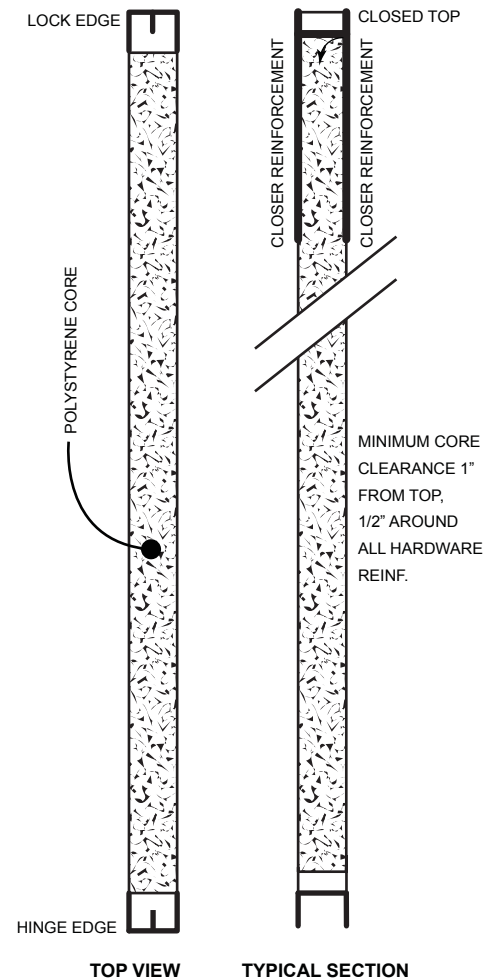
Standard Features

- ◆ 16 and 18 Gauge Doors
- ◆ Cold Rolled or Galvanized Steel
- ◆ Tight Corner Seam
- ◆ Full Body Polystyrene Core or Honeycomb Core
- ◆ Non-Handed Design
- ◆ 12-Gauge Closer Reinforcement
- ◆ 7-Gauge Hinge Reinforcement- Reversible
- ◆ 16-Gauge Flush Top Cap - Galvanized Standard / Heavy Duty
- ◆ 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

Typical Hardware Preparations



Sections

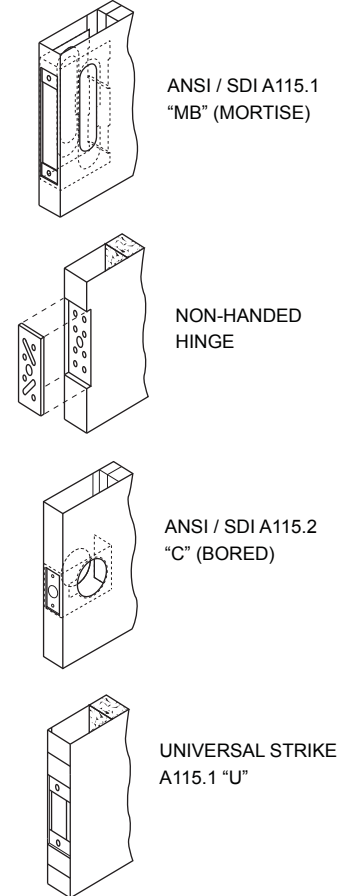




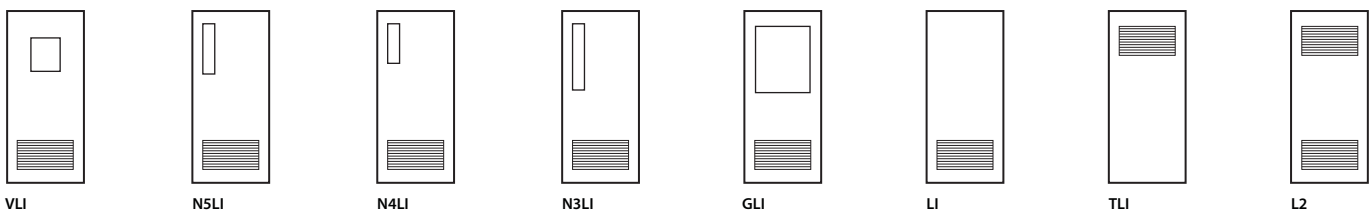
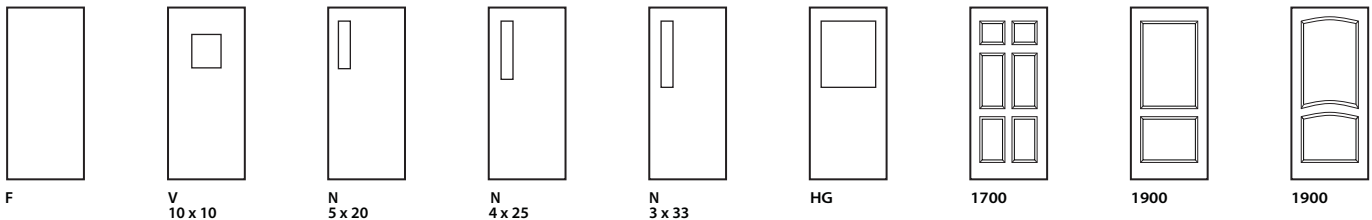
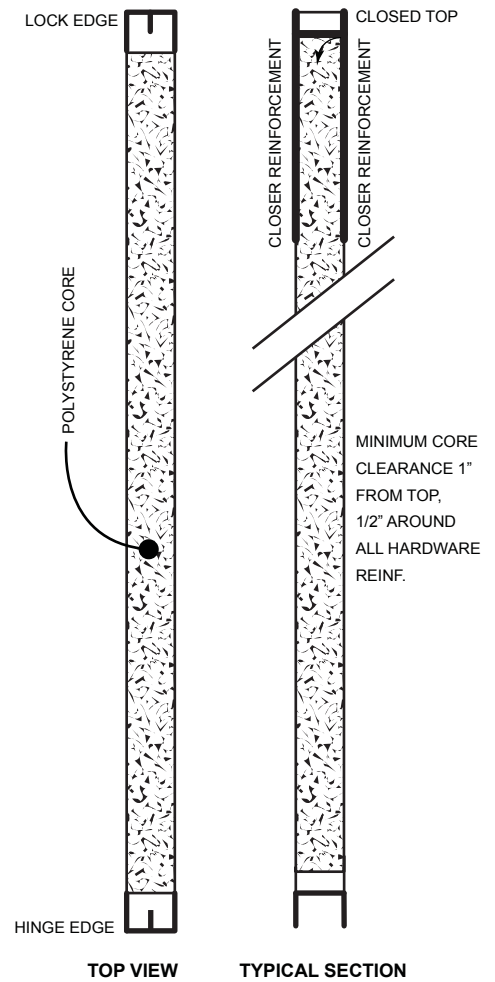
Standard Features

- ◆ 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- Reversible
- ◆ 16-Gauge Flush Top Cap - Galvanized Standard / Heavy Duty
- ◆ 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

Typical Hardware Preparations



Sections

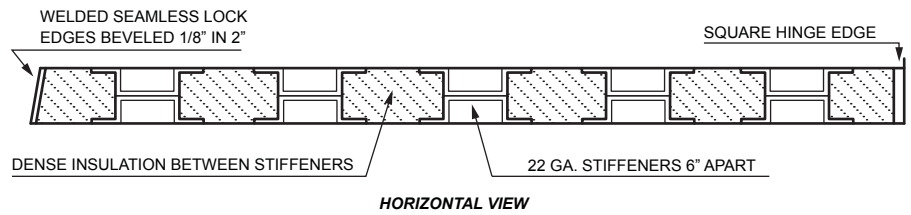




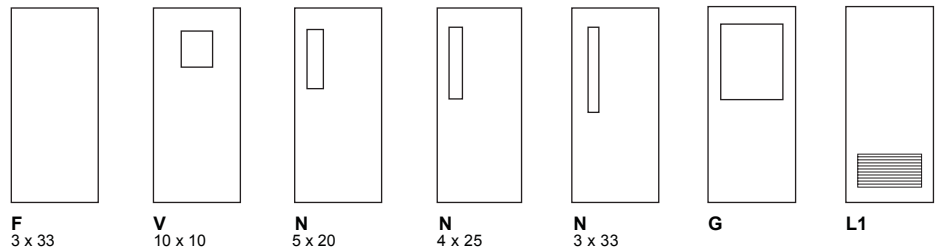
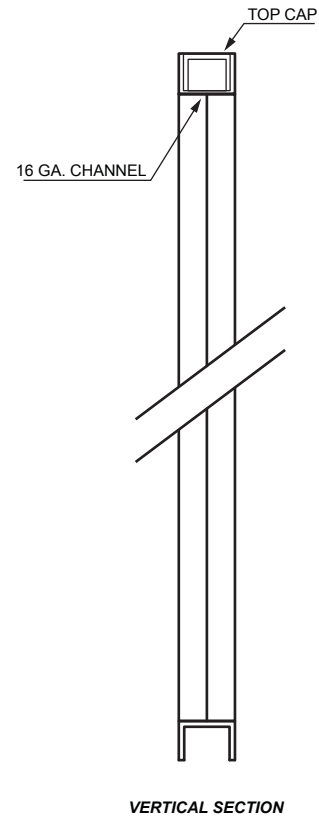
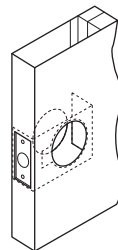
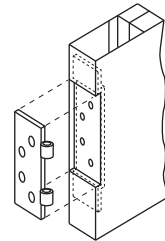
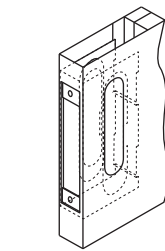
Standard Features

- ◆ 18-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
- ◆ 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

Sections



Typical Hardware Preparations

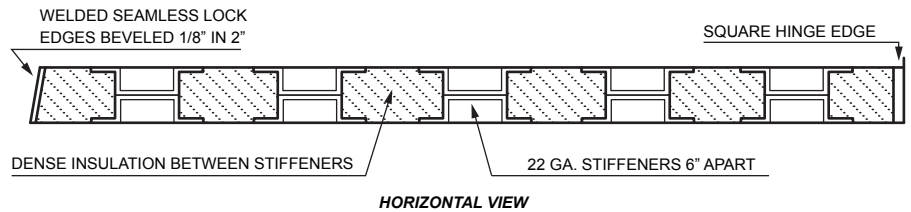




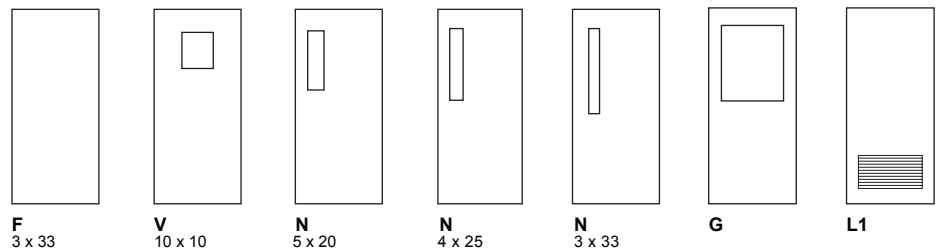
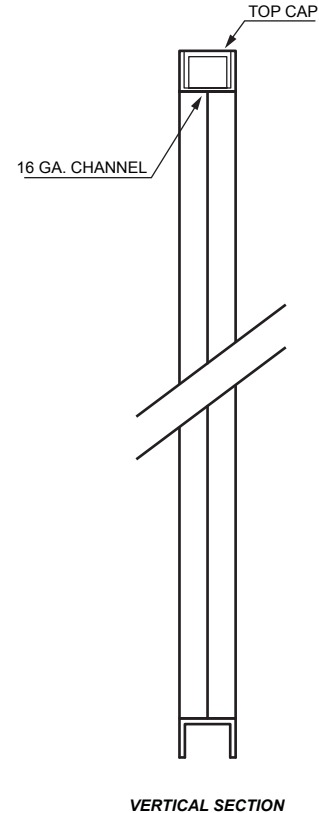
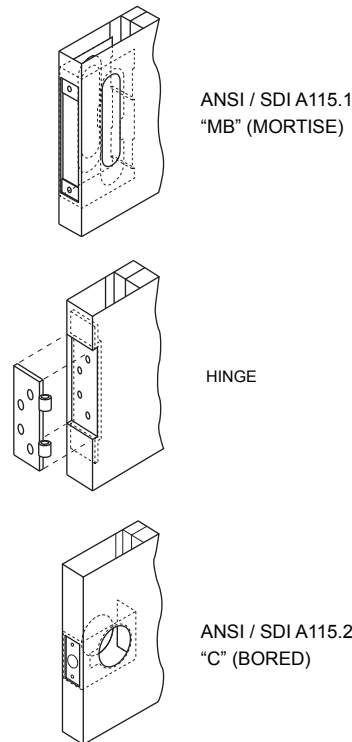
Standard Features

- ◆ 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
- ◆ 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

Sections



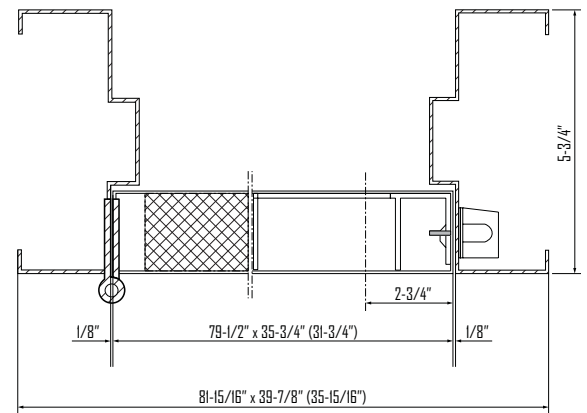
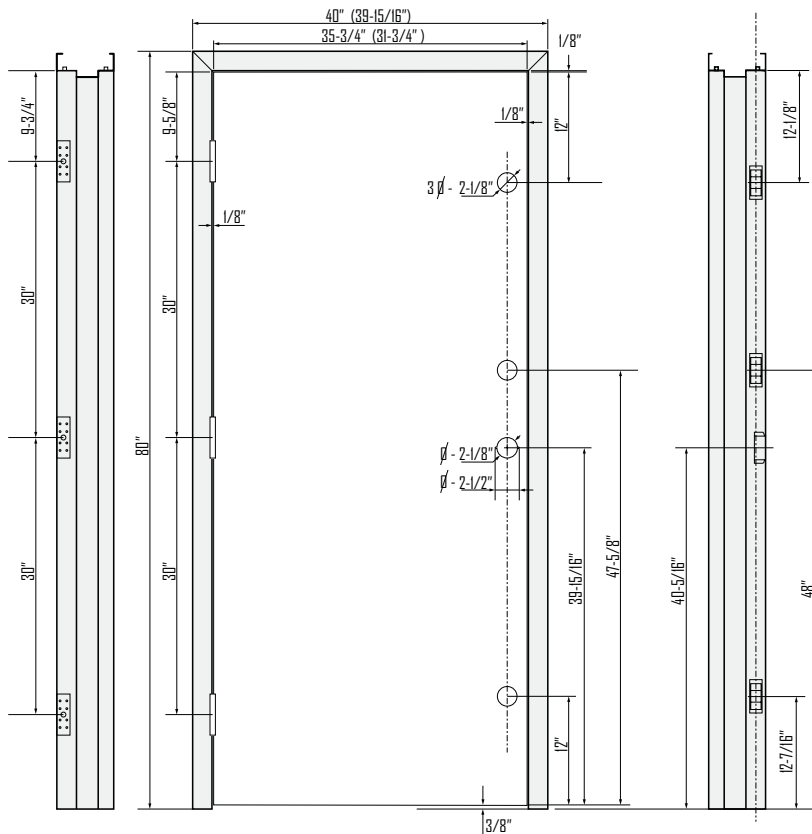
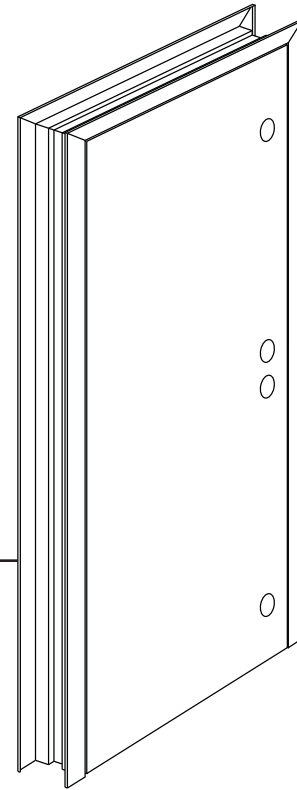
Typical Hardware Preparations





Standard Features

- ◆ 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

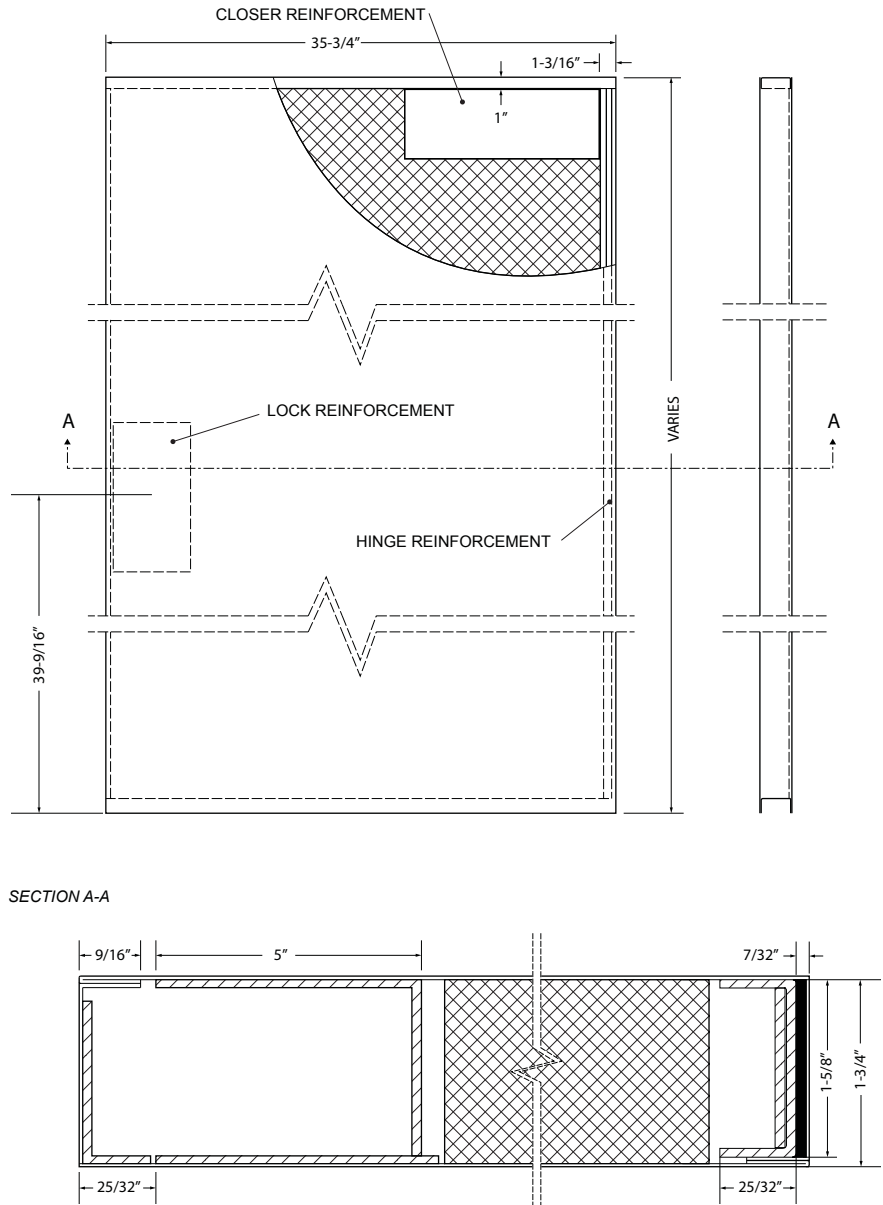




Standard Features

- ◆ 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

Door Construction Reinforcement Detail



SECTION A-A

ILLUSTRATION NOT TO SCALE

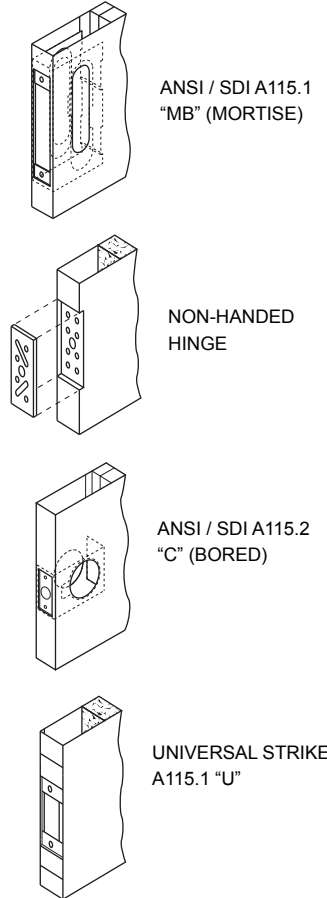




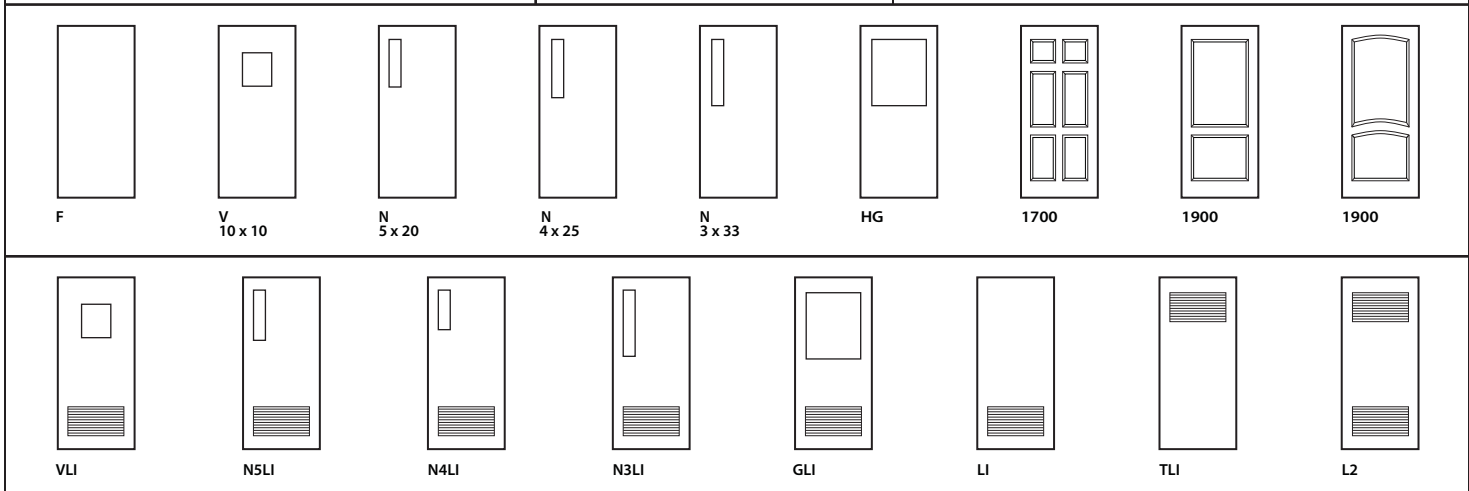
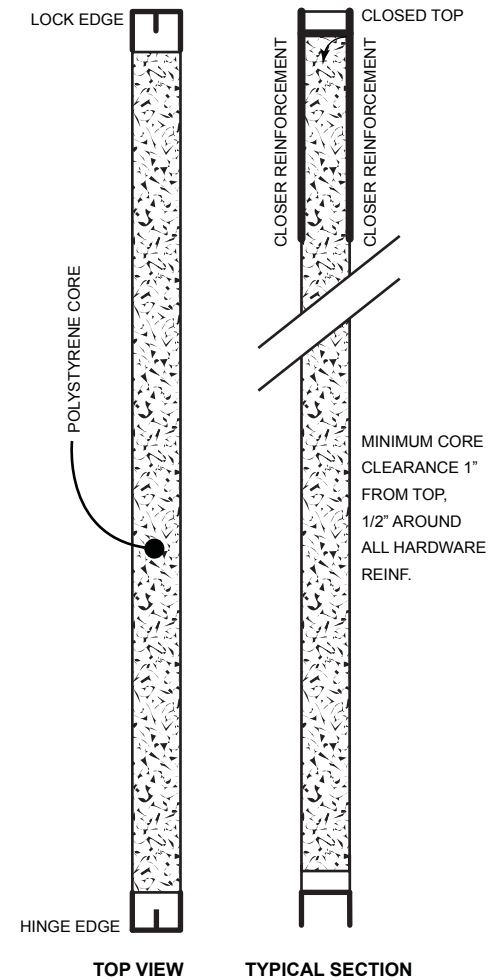
Standard Features

- ◆ 16-Gauge Cold Rolled or Galvanized Steel
- ◆ Seamless Filled Edges
- ◆ Full Body Polystyrene Core
- ◆ Non- Handed Design
- ◆ 12-Gauge Closer Reinforcement
- ◆ 7-Gauge Hinge Reinforcement- Reversible
- ◆ 16-Gauge Flush Top Cap - Galvanized Standard / Heavy Duty
- ◆ 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

Typical Hardware Preparations



Sections

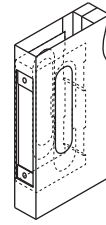




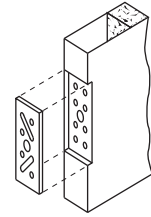
Standard Features

- ◆ 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

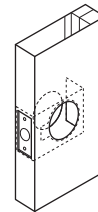
Typical Hardware Preparations



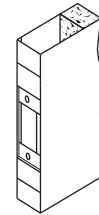
ANSI / SDI A115.1 "MB" (MORTISE)



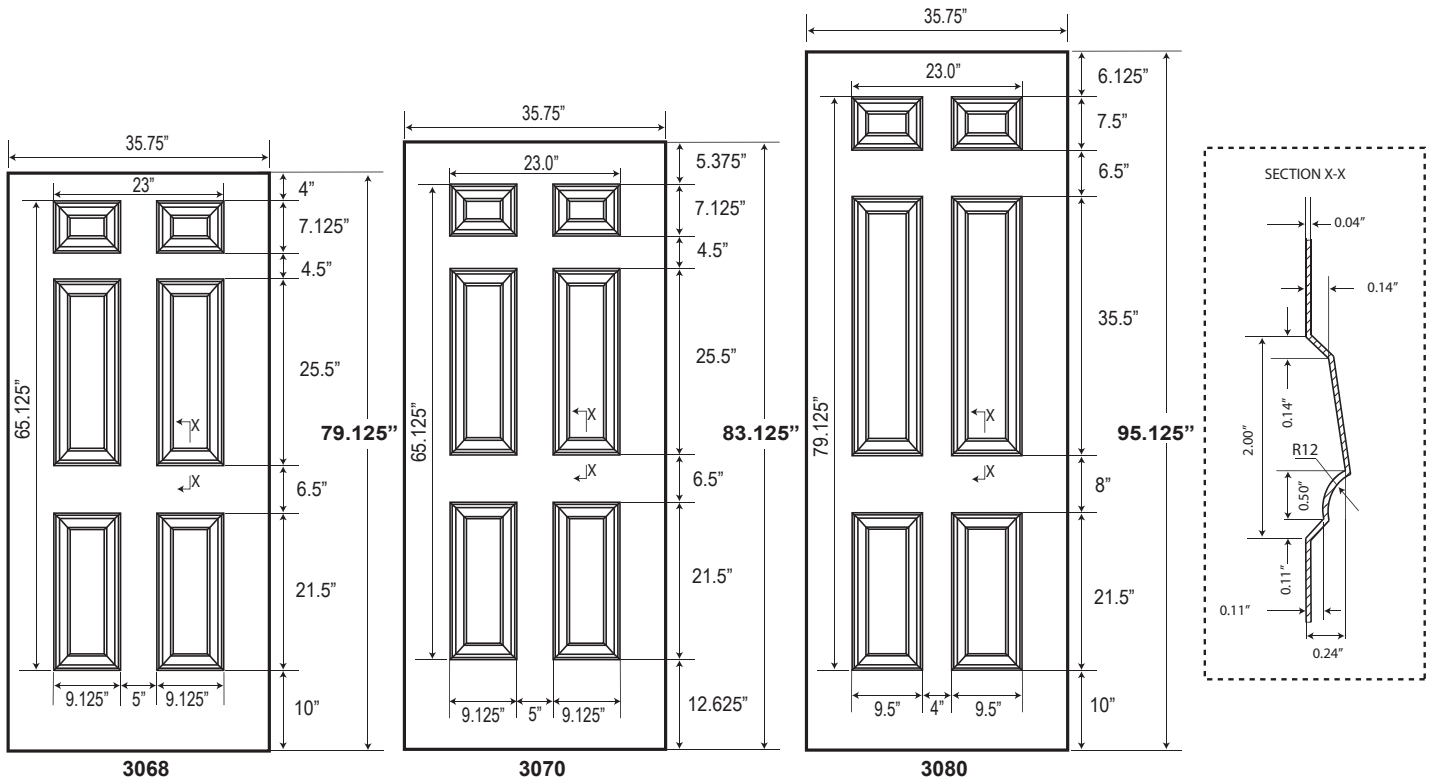
NON-HANDED HINGE



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



UNIVERSAL STRIKE A115.1 "U"

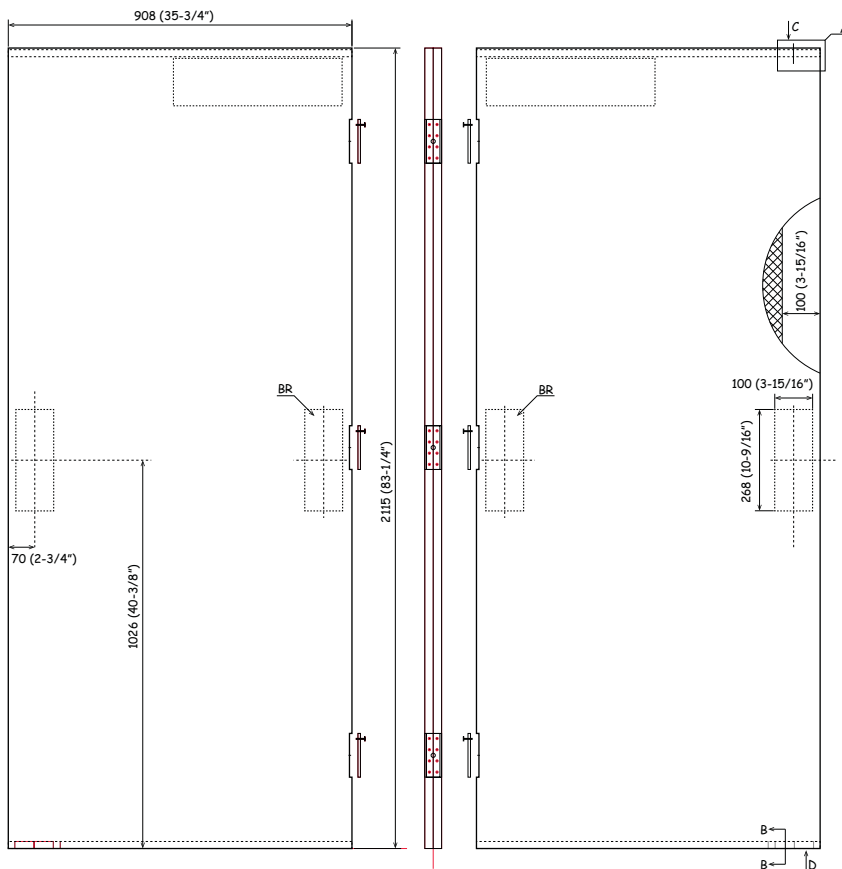
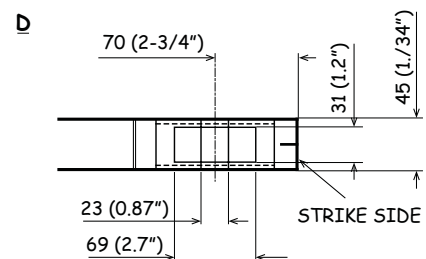
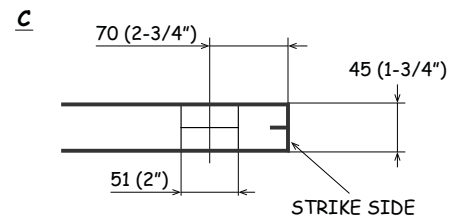
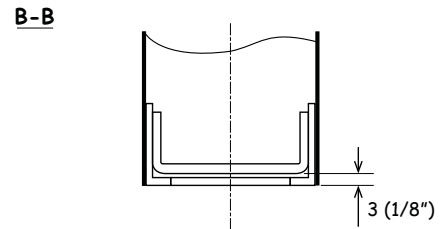
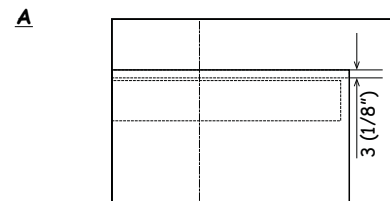
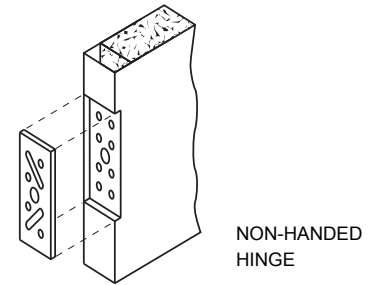




Standard Features

- ◆ 18 and 16 Gauge Cold Rolled or Galvanized Steel
- ◆ Seamless Filled Edges
- ◆ Polystyrene Core
- ◆ 7-Gauge Hinge Reinforcement - Reversible
- ◆ 16-Gauge Flush Top Cap - Galvanized
- ◆ 16-Gauge Inverted Bottom Cap - Galvanized
- ◆ Concealed Vertical Rod Top & Bottom Reinforcement Prepared
- ◆ WHI / ITS up to 3 hours, Positive Pressure and S-Smoke included
- ◆ Meets or Exceeds Standards for ANSI 250.4 and ANSI 250.8
- ◆ Prime Painted Grey Two Part Epoxy Factory Applied, Baked On

Typical Hardware Preparations

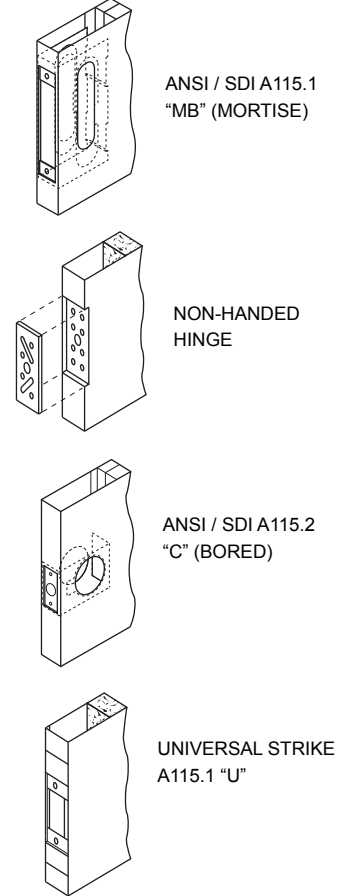




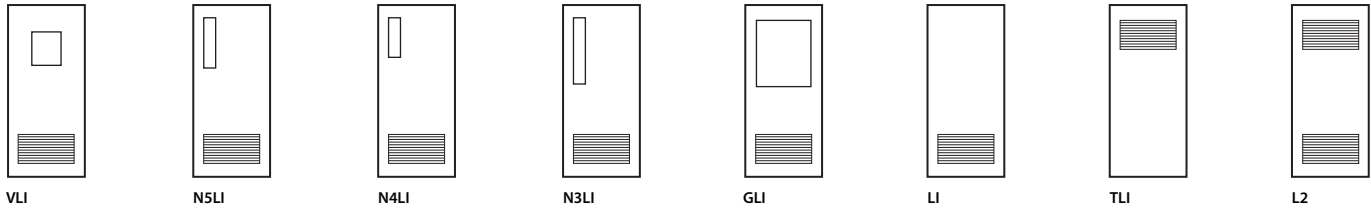
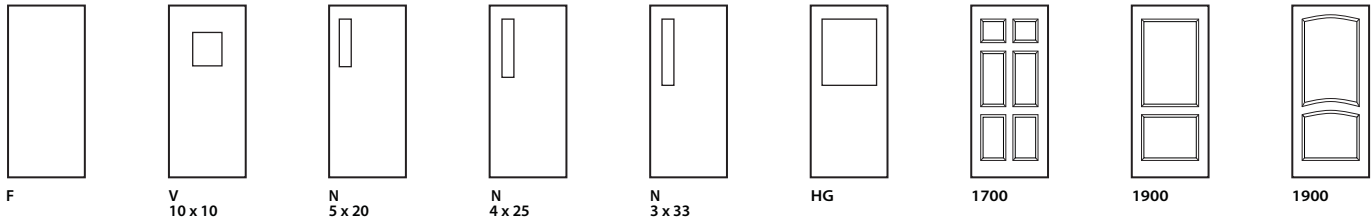
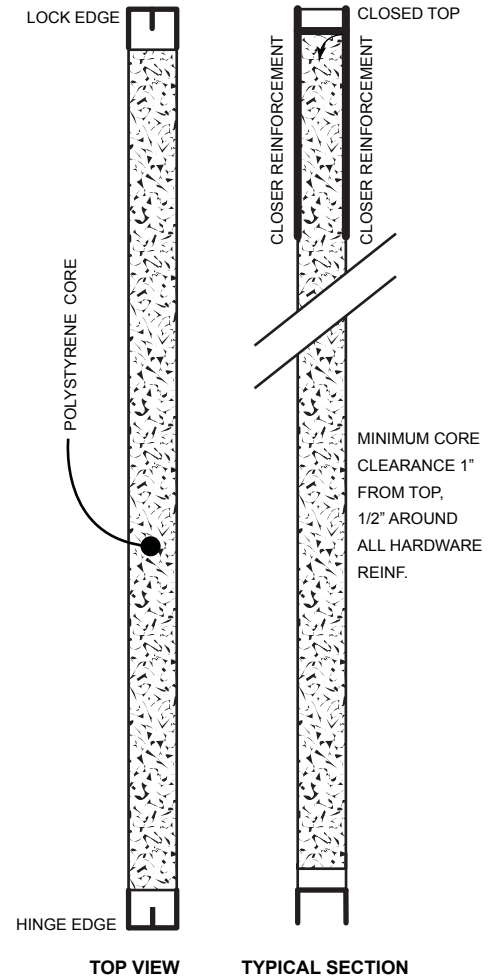
Standard Features

- ◆ 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- Reversible
- ◆ 16-Gauge Flush Top Cap - Galvanized Standard / Heavy Duty
- ◆ 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

Typical Hardware Preparations



Sections

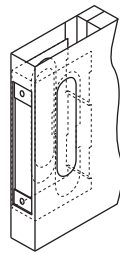




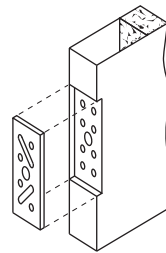
Standard Features

- ◆ 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

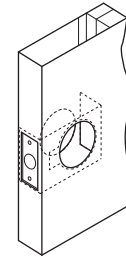
Typical Hardware Preparations



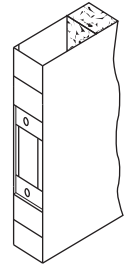
ANSI / SDI A115.1
"MB" (MORTISE)



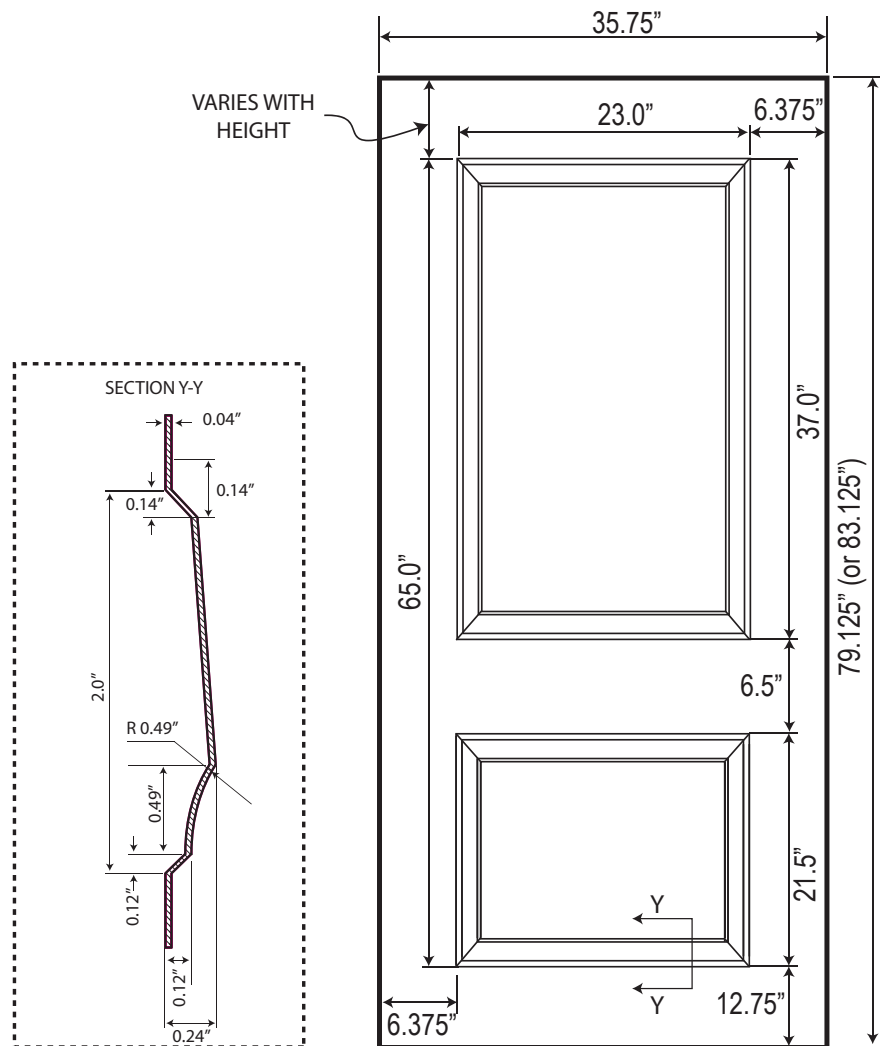
NON-HANDED
HINGE



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



UNIVERSAL STRIKE
A115.1 "U"

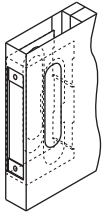




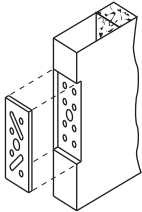
Standard Features

- ◆ 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

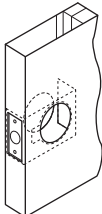
Typical Hardware Preparations



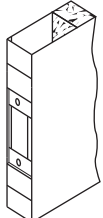
ANSI / SDI A115.1 "MB" (MORTISE)



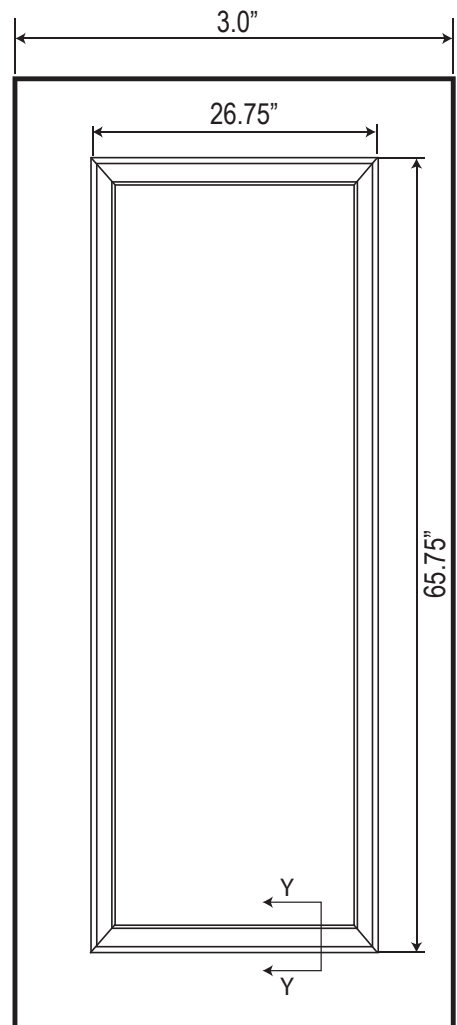
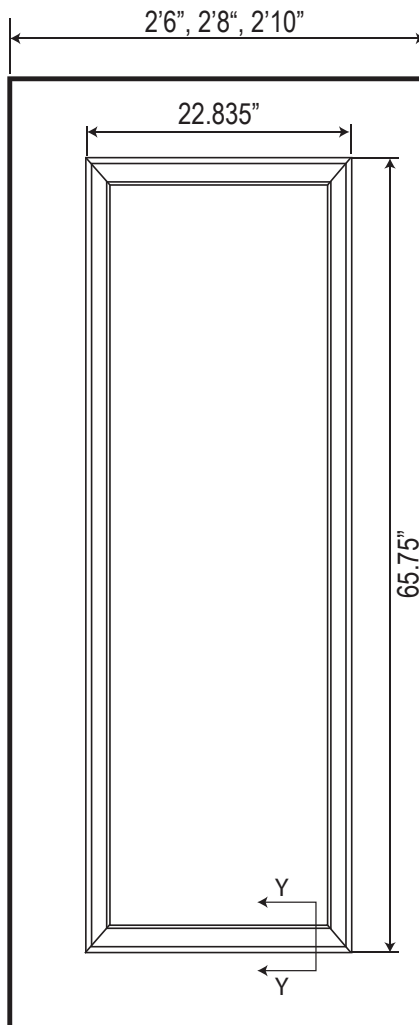
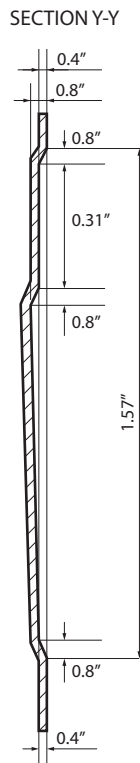
NON-HANDED HINGE



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



UNIVERSAL STRIKE A115.1 "U"

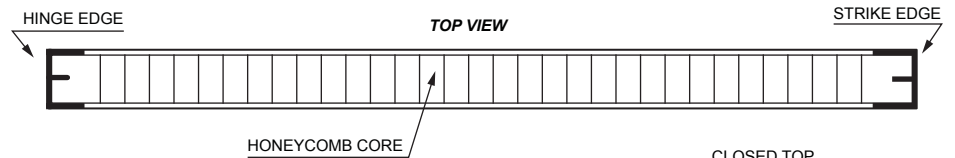




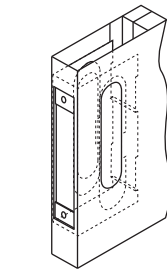
Standard Features

- ◆ 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

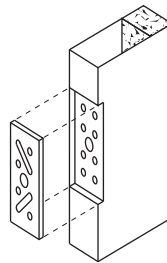
Sections



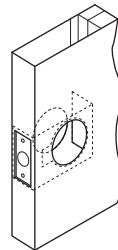
Typical Hardware Preparations



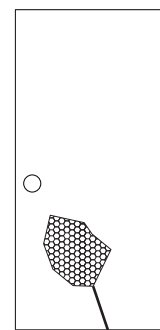
ANSI / SDI A115.1 "MB" (MORTISE)



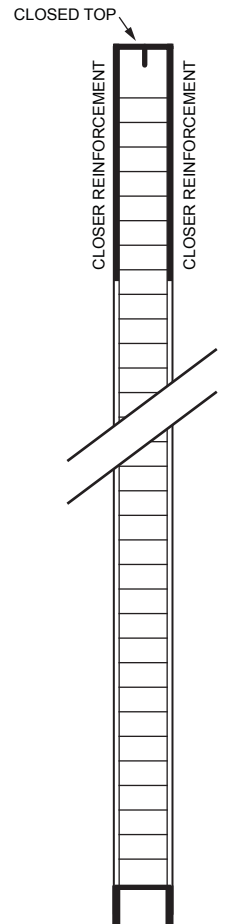
NON-HANDED HINGE



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



HONEYCOMB CORE DETAIL



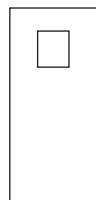
VERTICAL SECTION

3 HR. LABEL STYLES

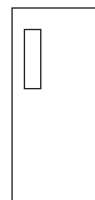


F
3 x 33

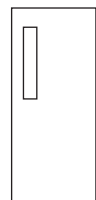
1-1/2 HR. LABEL STYLES



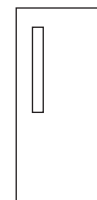
V
10 x 10



N
5 x 20

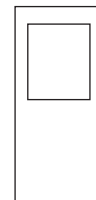


N
4 x 25

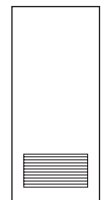


N
3 x 33

3/4 HR. LABEL STYLES



G



L1

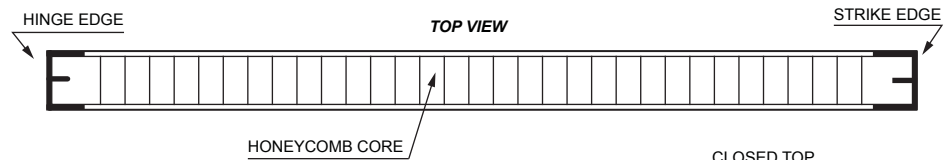




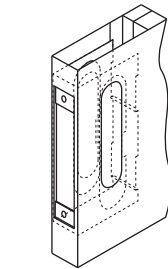
Standard Features

- ◆ 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
- ◆ Meets or Exceeds Standards for ANSI 240.4 and ANSI 250.8

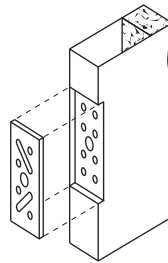
Sections



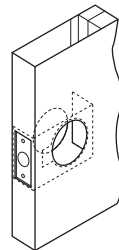
Typical Hardware Preparations



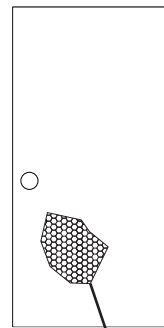
ANSI / SDI A115.1 "MB" (MORTISE)



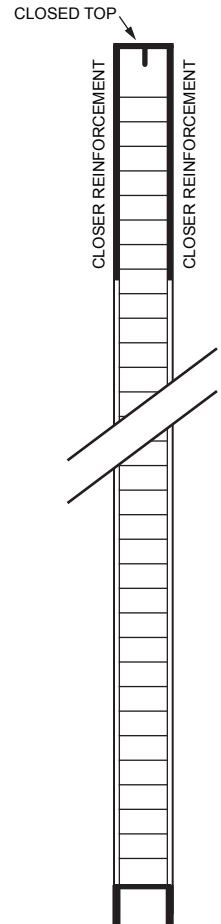
NON-HANDED HINGE



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



HONEYCOMB CORE DETAIL



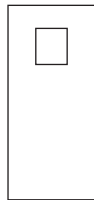
VERTICAL SECTION

3 HR. LABEL STYLES

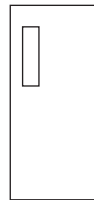


F
3 x 33

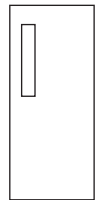
1-1/2 HR. LABEL STYLES



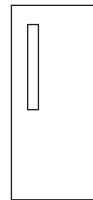
V
10 x 10



N
5 x 20

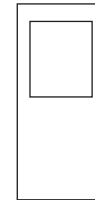


N
4 x 25



N
3 x 33

3/4 HR. LABEL STYLES



G



L1

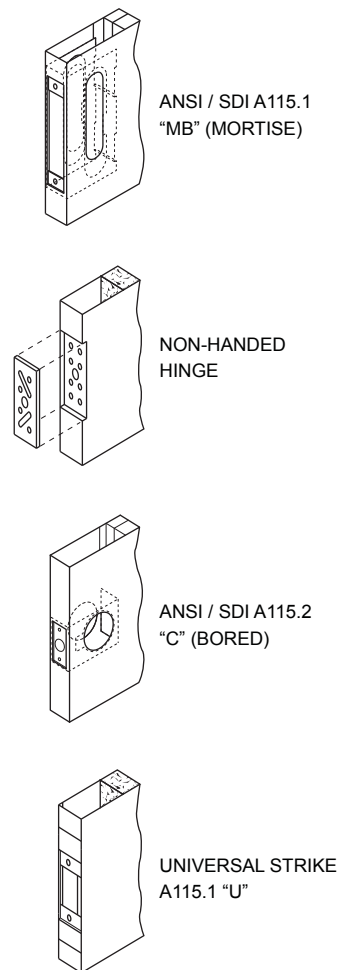




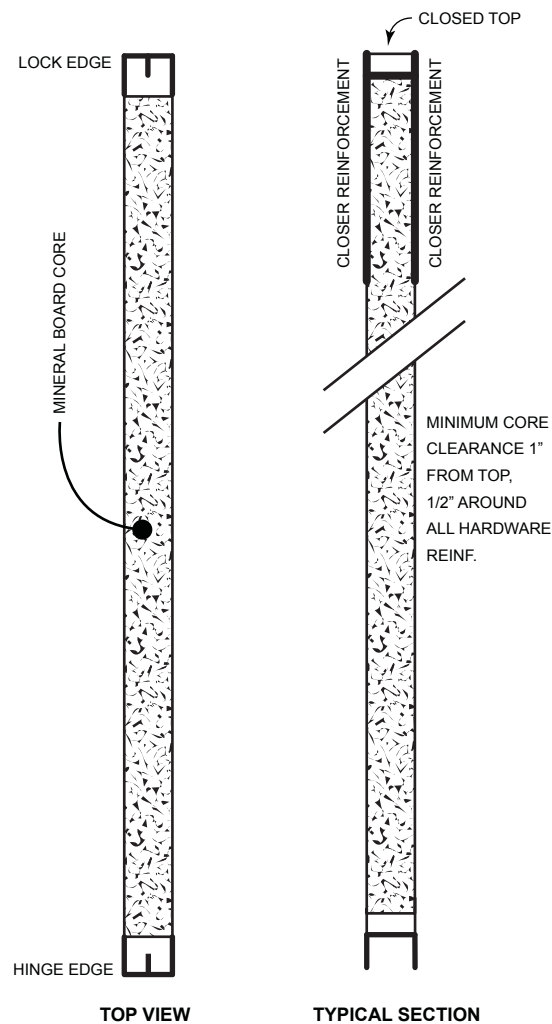
Standard Features

- ◆ 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

Typical Hardware Preparations



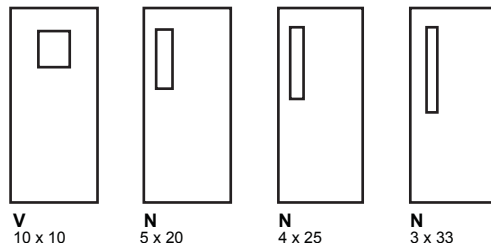
Sections



3 HOUR LABEL STYLES



1-1/2" HOUR LABEL STYLES

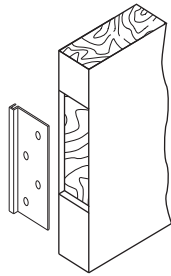




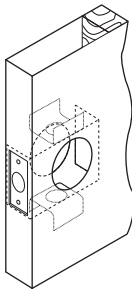
Standard Features

- ◆ 22-Gauge Cold Rolled Steel
- ◆ Honeycomb Core
- ◆ Non-Handed Design
- ◆ Reversible Residential Hinge
4" x 4", gauge .097"
- ◆ Matches Timely's Residential Frame Hinge and Strike Locations
- ◆ Lock location 60" for 80" doors;
44" for 6'8" doors x 2 3/8" backset
with 1" x 1 1/4" Square Corner Face Plate
- ◆ Flush Top / Inverted Bottom
- ◆ Prime Paint Finish, Powder Coat
- ◆ Lock preparation (161) Cylindrical or
Blank Reinforced (BR)
- ◆ Wood reinforced hinge and lock locations

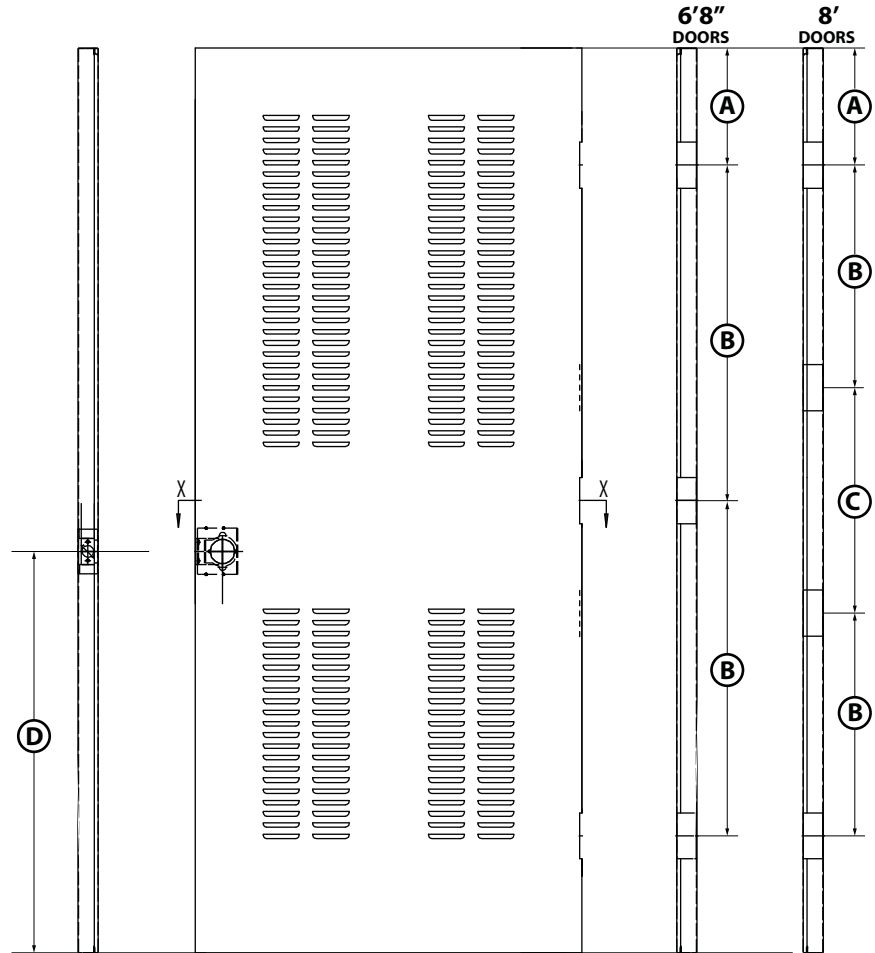
Typical Hardware Preparations



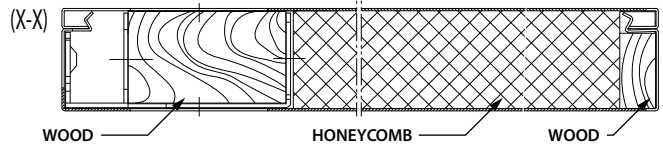
NON-HANDED HINGE



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



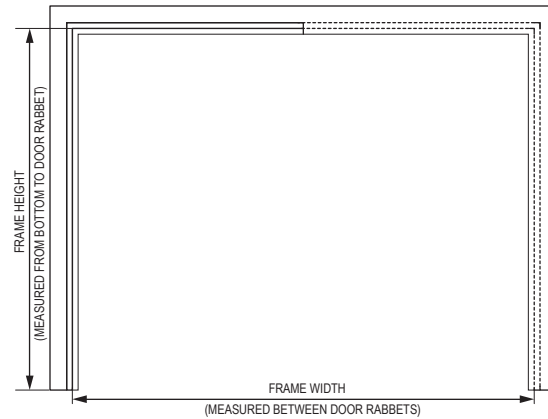
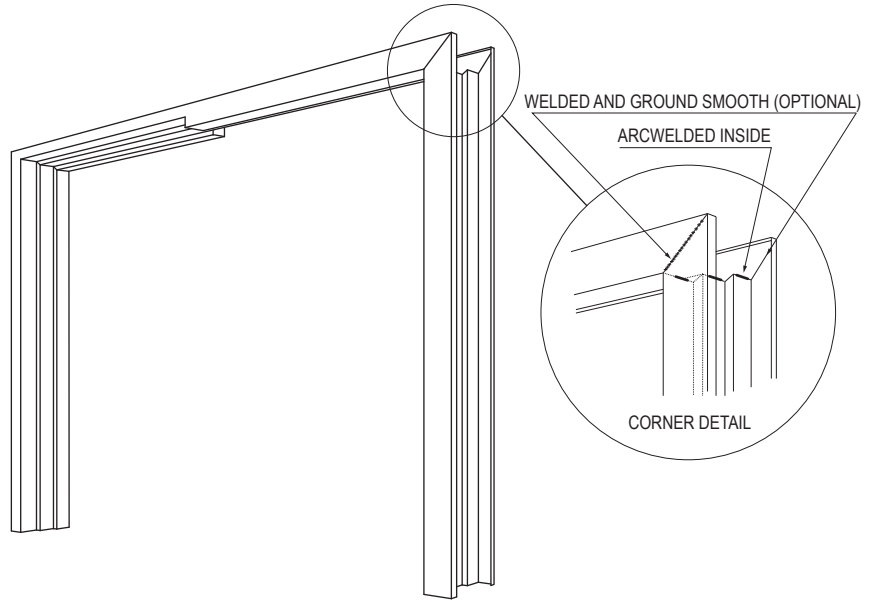
DOOR SIZE	A	B	C	D
6'8"	10.125"	29.75"	-----	35.125"
8'	10.125"	25.0"	25.5"	35.125"



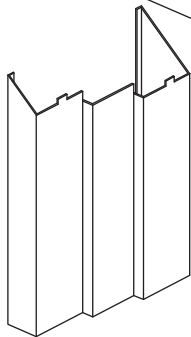
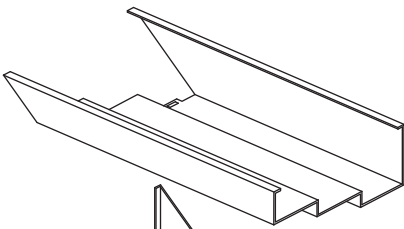
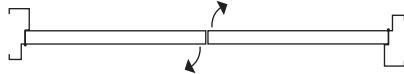


Standard Features

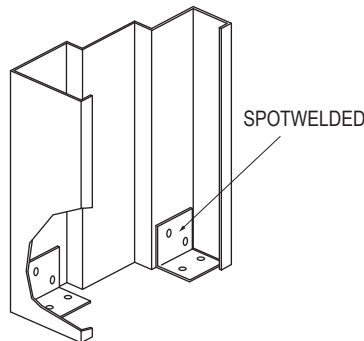
- ◆ 16-Gauge Cold Rolled Steel
or A-40 Galvanized option
- ◆ Double Egress Profile
- ◆ Exact fit mitered corner
- ◆ 7-Gauge Hinge Reinforcement
- ◆ Standard / Heavy Duty Adjustment
- ◆ Floor Anchors in all jamb sides
- ◆ Wall anchors for Masonry, Wood Stud,
Metal Stud and Strap Anchors
- ◆ 4-inch to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



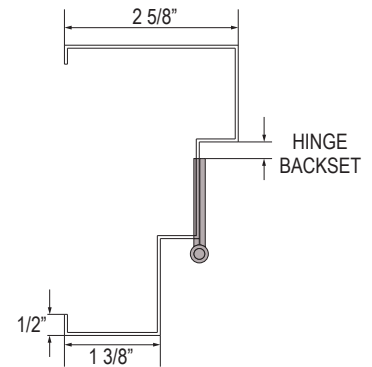
FRAMES PROVIDED RIGHT HAND EXCEPT AS NOTED



K-D CORNER DETAIL



FLOOR ANCHOR DETAIL

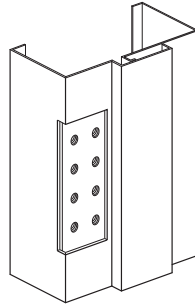




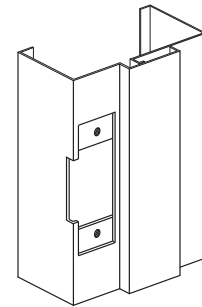
Standard Features

- ◆ 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

Typical Hardware Preparations

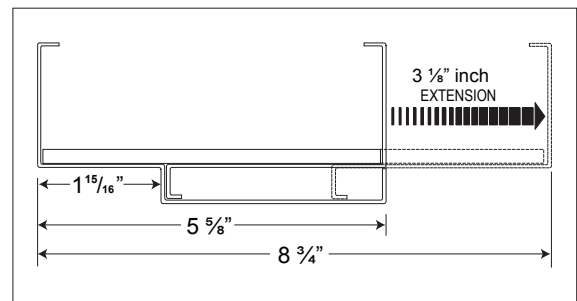
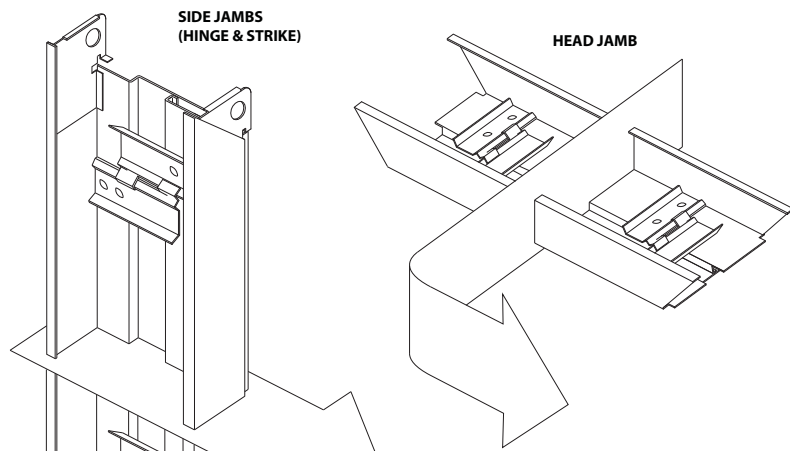


4-1/2" x 4-1/2"
1-3/4" FRAME HINGE PREP



4-7/8" UNIVERSAL STRIKE

Sections

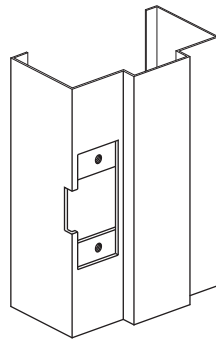




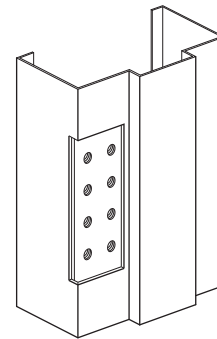
Standard Features

- ◆ 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

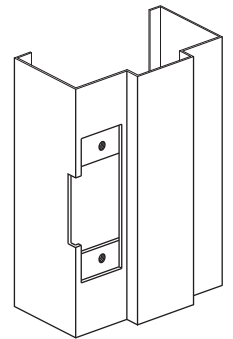
Typical Hardware Preparations



2-3/4" CYLINDRICAL STRIKE

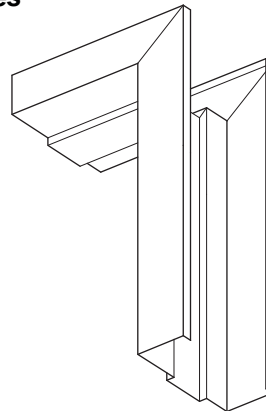


4-1/2" x 4-1/2"
1-3/4" FRAME HINGE PREP

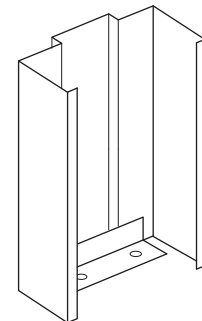


4-7/8" UNIVERSAL STRIKE

Features

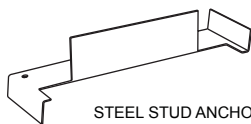


WELDED CORNERS
Welded corners are tight fitting to provide a smooth seamless appearance

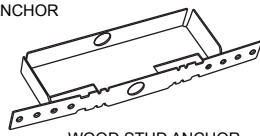


FLOOR ANCHOR
18 Gauge floor anchors are standard in all masonry frames

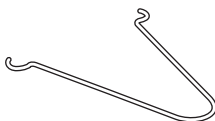
Accessories



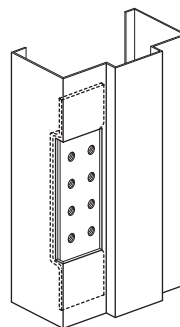
STEEL STUD ANCHOR



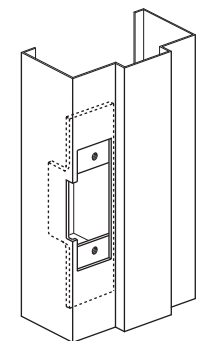
WOOD STUD ANCHOR



MASONRY WIRE



HINGE REINFORCEMENT
7 Gauge standard / heavy duty hinge reinforcement



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

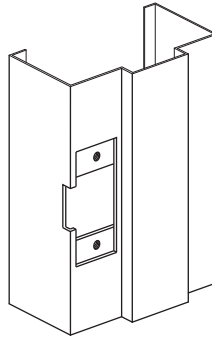




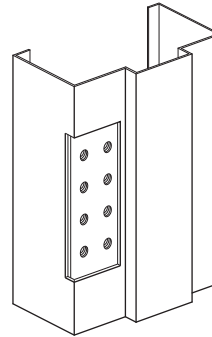
Standard Features

- ◆ 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

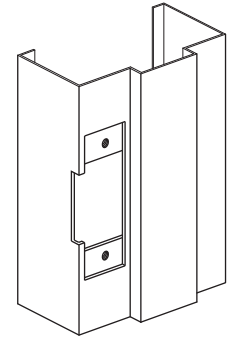
Typical Hardware Preparations



2-3/4" CYLINDRICAL STRIKE

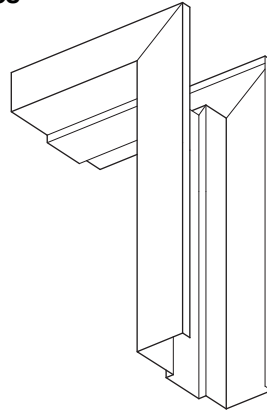


4-1/2" x 4-1/2"
1-3/4" FRAME HINGE PREP

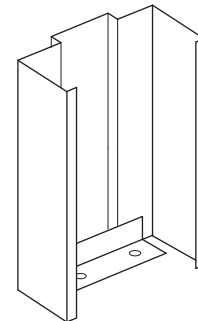


4-7/8" UNIVERSAL STRIKE

Features

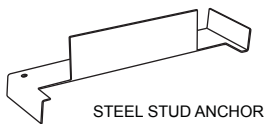


WELDED CORNERS
Welded corners are tight fitting to provide a smooth seamless appearance

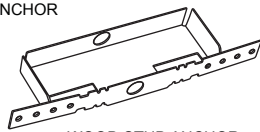


FLOOR ANCHOR
18 Gauge floor anchors are standard in all masonry frames

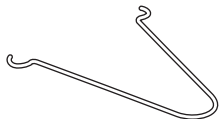
Accessories



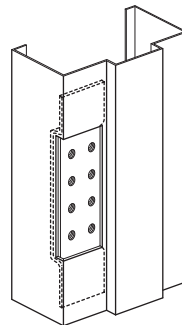
STEEL STUD ANCHOR



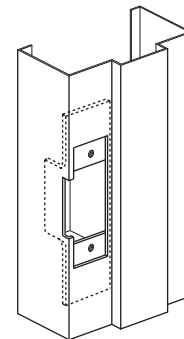
WOOD STUD ANCHOR



MASONRY WIRE



HINGE REINFORCEMENT
7 Gauge standard / heavy duty hinge reinforcement



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

Warnock Hersey

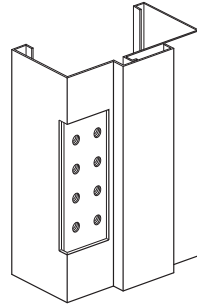




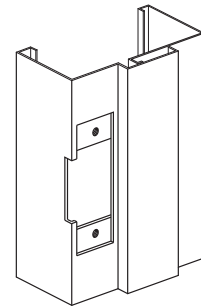
Standard Features

- ◆ 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

Typical Hardware Preparations

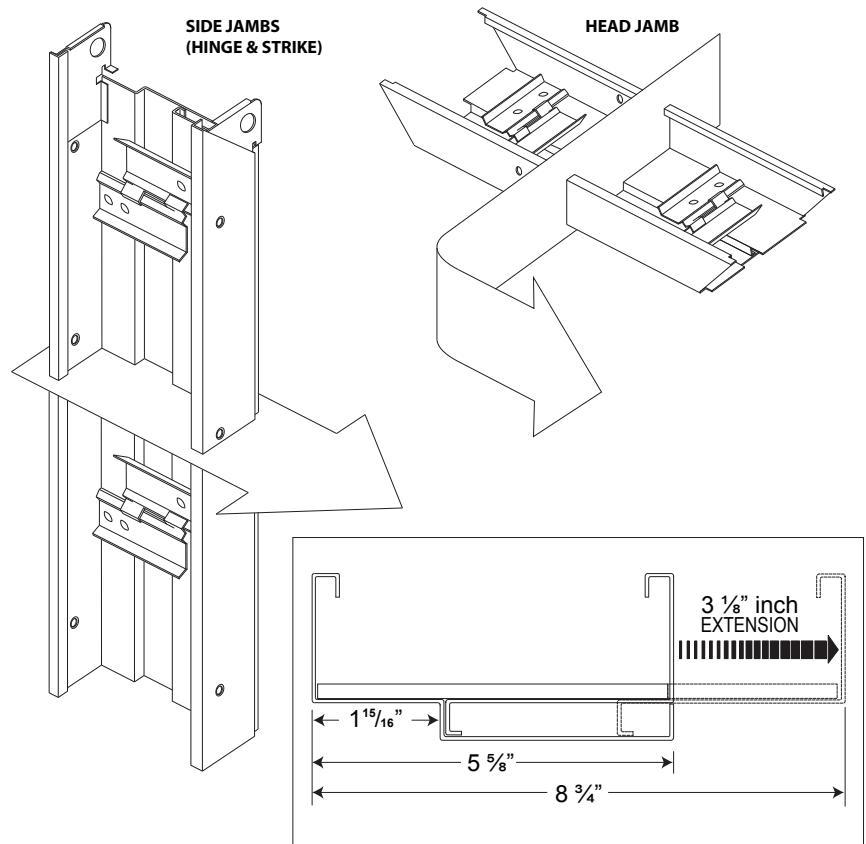


4-1/2" x 4-1/2"
1-3/4" FRAME HINGE PREP



4-7/8" UNIVERSAL STRIKE

Sections

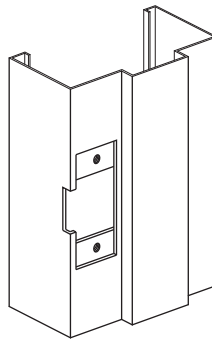




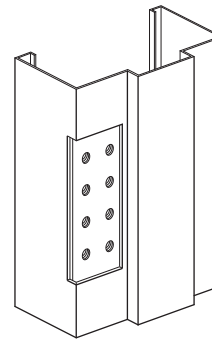
Standard Features

- ◆ 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

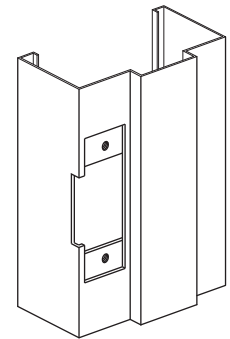
Typical Hardware Preparations



2-3/4" CYLINDRICAL STRIKE

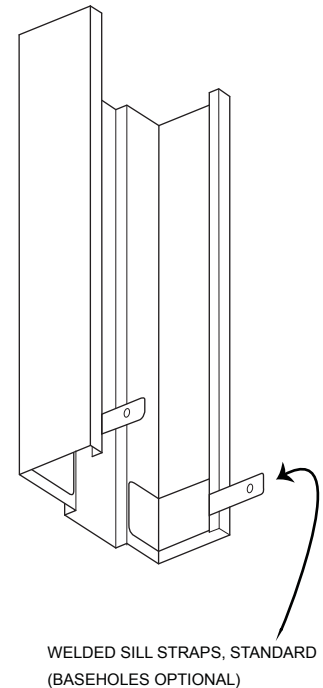
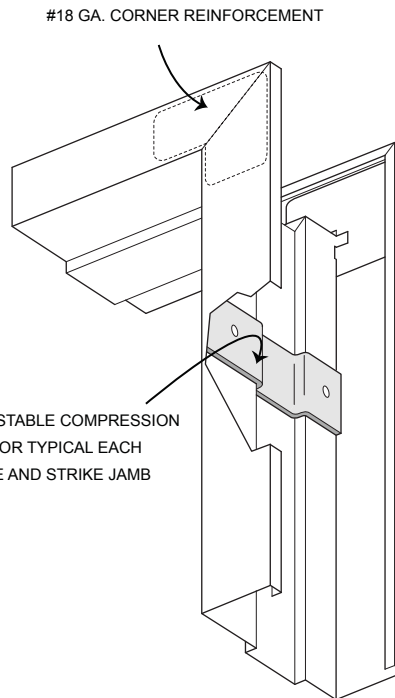


4-1/2" x 4-1/2"
1-3/4" FRAME HINGE PREP

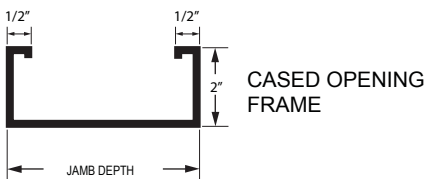
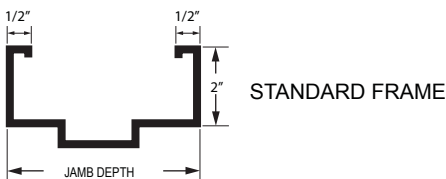


4-7/8" UNIVERSAL STRIKE

Features



Frame Profiles

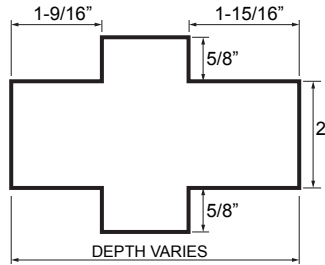




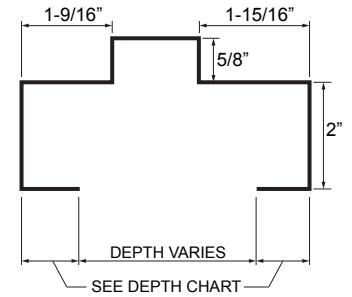
7000 Series

- ◆ 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

Mullions



Fab Sticks



DEPTH CHART	
DEPTH	RETURNS
5.75	7/16"
6.75	1/2"
7.75	1/2"
8.25	1/2"
8.75	1/2"

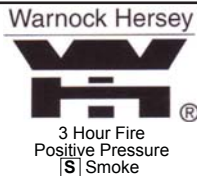
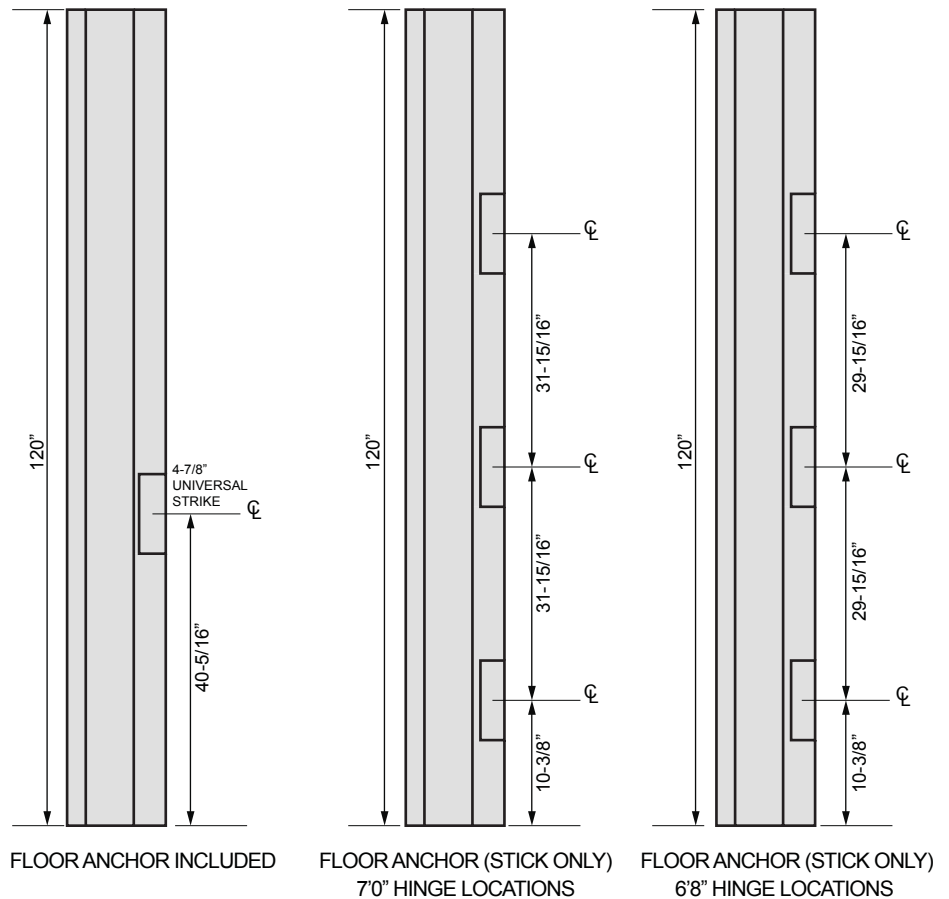
8000 Series

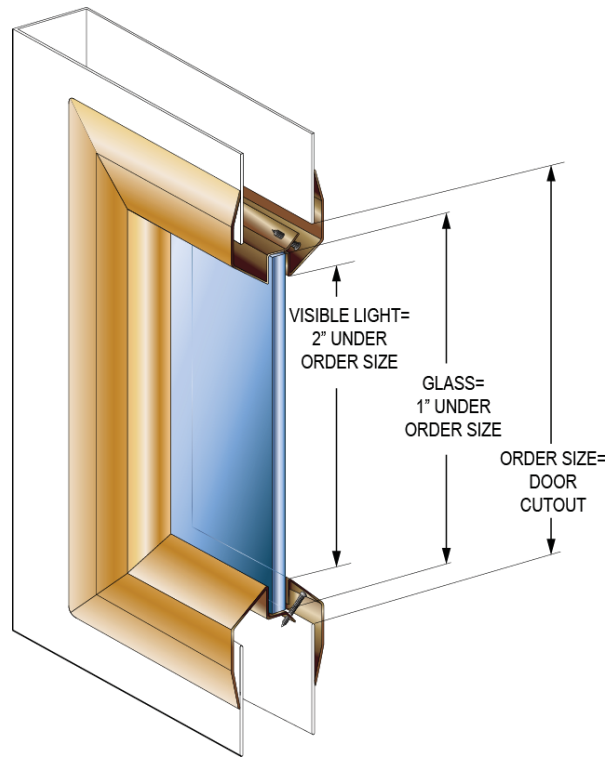
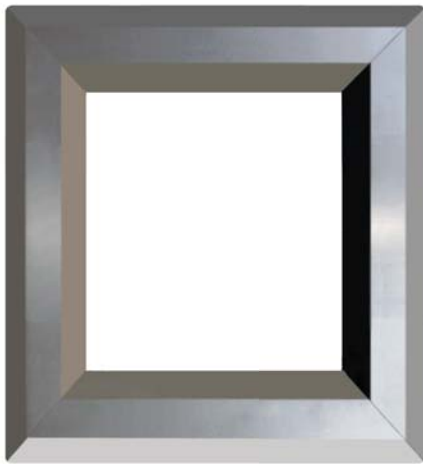
- ◆ 10-foot length blank fabrication material
- ◆ 16-Gauge cold rolled 2-inch face
- ◆ Unequal rabbet
- ◆ Double return drywall
- ◆ 5.625 to 9.75-inch depths

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

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





For use in Fire Rated door applications under positive and neutral pressure. Intertek testing certification in compliance to NFPA 252 (2000), UL 10C (2009), CAN/ULS104 (2010), NFPA (201) and CSI Code 0870 00

SPECIFICATIONS

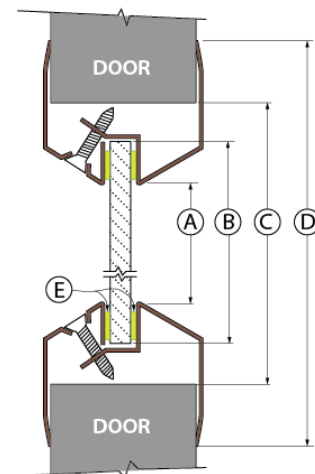
- Low Profile Beveled Vision Lite
- 20 Gauge Cold Rolled Steel
- Mitered welded corners with counter sunk mounting holes
- Single side attaching with matching mounting screws included
- For use with 3/16" to 1/4" glass thickness
- Designed for use with 1-3/4" doors only
- Baked on powder coat finish
- Color: Standard Bronze
- Fastener: #8 x 7/8" flathead phillips head SMS

OPTIONS

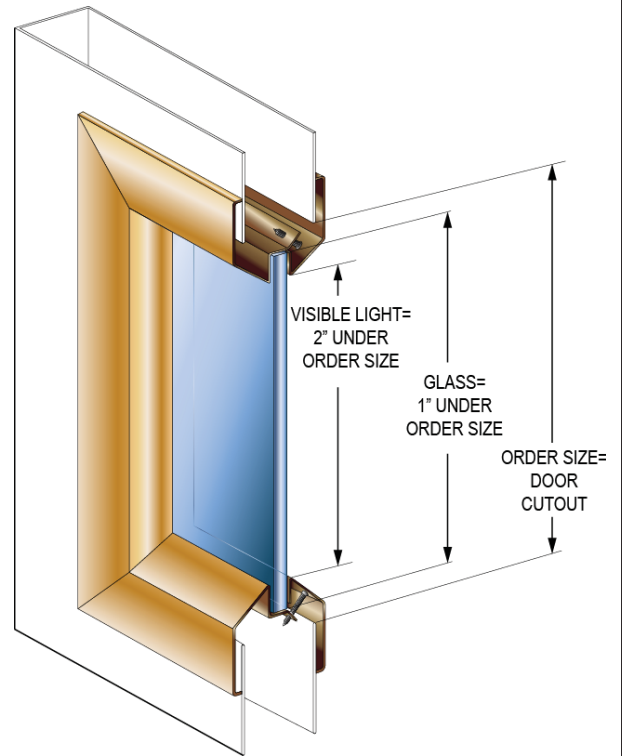
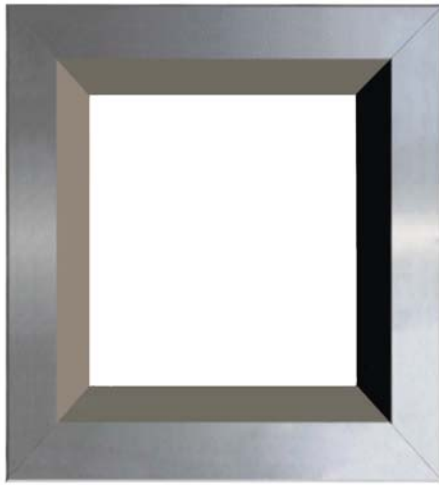
- Also available as a kit or bundle which comes with the Frame, Glass and Glazing Kit
- Available glass types are 1/4" Tempered (TEMP), 1/4" Superlite I-W Wired Glass (WS) and 3/16" Pyran® Platinum F Glass (PPF).

NOTES

- Order size is equal to opening size
- Visible vision opening is 2" under order size
- Glass size dimension is 1" under complete order size
- Follow all door manufacturer's instructions for use and installation of all products.
- Refer to Product No. Guide for list of fire rated sizes



- (A) VISIBLE LIGHT = 2" UNDER ORDER SIZE
- (B) GLASS = 1" UNDER ORDER SIZE
- (C) ORDER SIZE = DOOR CUTOUT
- (D) 1-3/8" OVER ORDER SIZE
- (E) GLAZING TAPE



For use in Fire Rated door applications under positive and neutral pressure. Intertek testing certification in compliance to NFPA 252 (2000), UL 10C (2009), CAN/ULS104 (2010), NFPA (201) and CSI Code 0870 00

SPECIFICATIONS

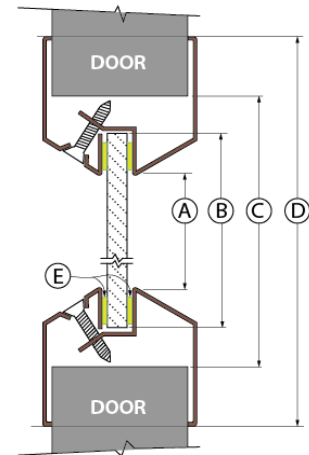
- Standard Profile Beveled Vision Lite
- 20 Gauge Cold Rolled Steel
- Mitered welded corners with counter sunk mounting holes
- Single side attaching with matching mounting screws included
- For use with 3/16" to 1/4" glass thickness
- Designed for use with 1-3/4" doors only
- Baked on powder coat finish
- Color: Standard Bronze
- Fastener: #8 x 7/8" flathead phillips head SMS

OPTIONS

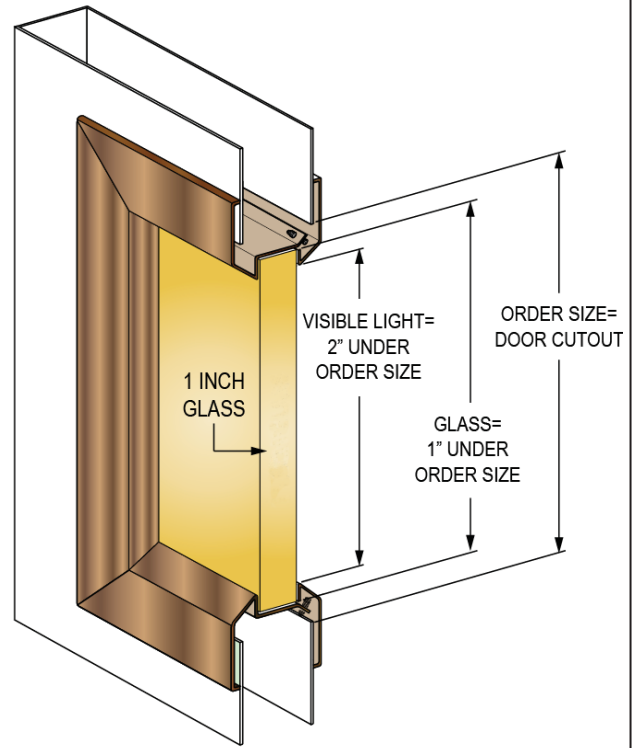
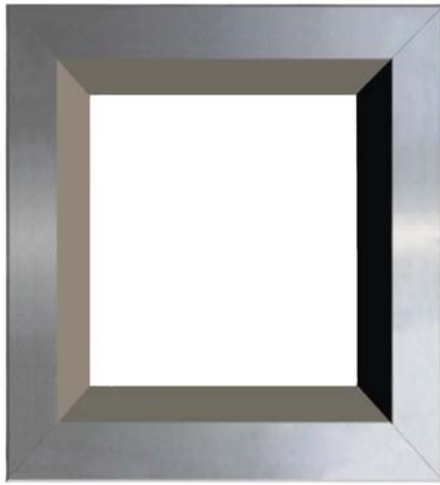
- Also available as a kit or bundle which comes with the Frame, Glass and Glazing Kit
- Available glass types are 1/4" Tempered (TEMP), 1/4" Superlite I-W Wired Glass (WS) and 3/16" Pyran® Platinum F Glass (PPF).

NOTES

- Order size is equal to opening size
- Visible vision opening is 2" under order size
- Glass size dimension is 1" under complete order size
- Follow all door manufacturer's instructions for use and installation of all products.
- Refer to Product No. Guide for list of fire rated sizes



- (A) VISIBLE LIGHT = 2" UNDER ORDER SIZE
- (B) GLASS = 1" UNDER ORDER SIZE
- (C) ORDER SIZE = DOOR CUTOUT
- (D) 1-3/8" OVER ORDER SIZE
- (E) GLAZING TAPE



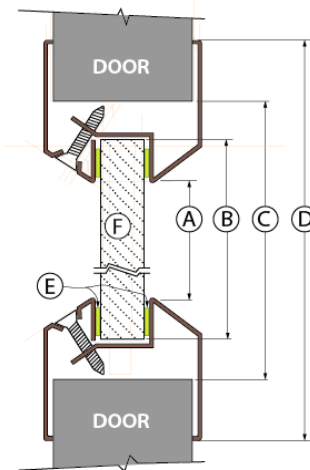
For use in Fire Rated door applications under positive and neutral pressure. Intertek testing certification in compliance to NFPA 252 (2000), UL 10C (2009), CAN/ULS104 (2010), NFPA (201) and CSI Code 0870 00

SPECIFICATIONS

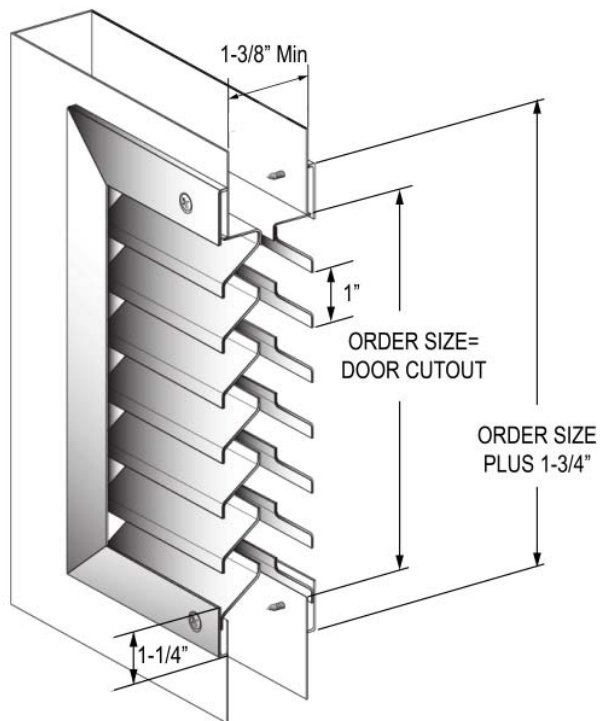
- Standard Profile Beveled Vision Lite
- 20 Gauge Cold Rolled Steel
- Mitered welded corners with counter sunk mounting holes
- Single side attaching with matching mounting screws included
- For use with 1" glass thickness
- Designed for use with 1-3/4" doors only
- Baked on powder coat finish
- Color: Standard Bronze
- Fastener: #8 x 7/8" flathead phillips head SMS

NOTES

- Order size is equal to opening size
- Visible vision opening is 2" under order size
- Glass size dimension is 1" under complete order size
- Follow all door manufacturer's instructions for use and installation of all products.



- (A) VISIBLE LIGHT = 2" UNDER ORDER SIZE
- (B) GLASS = 1" UNDER ORDER SIZE
- (C) ORDER SIZE = DOOR CUTOUT
- (D) 1-3/8" OVER ORDER SIZE
- (E) GLAZING TAPE
- (F) GLASS 1" THICK



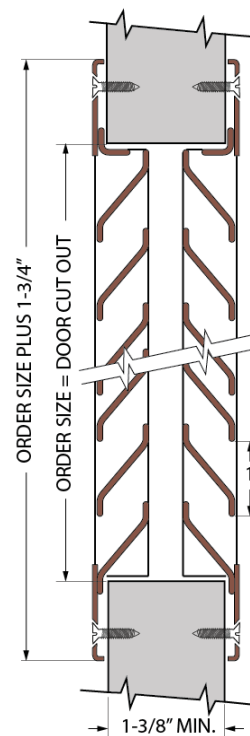
For use in Fire Rated door applications under positive and neutral pressure. Intertek testing certification in compliance to NFPA 252 (2000), UL 10C (2009), NFPA 252(2012) and CSI Code 089000 Louvers & Vents

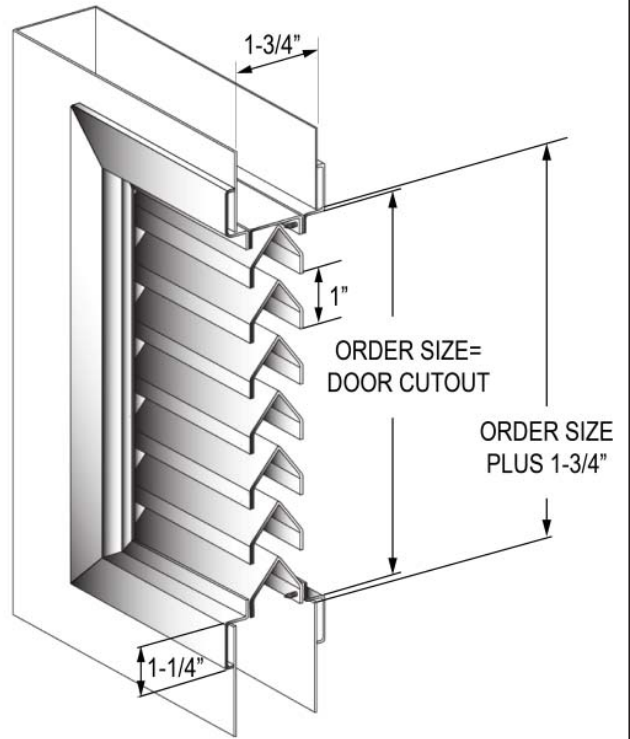
SPECIFICATIONS

- 18 Gauge Cold Rolled Steel Frame & Blades
- Mitered welded corner frame construction
- Divided row "Y" blades spaced at 1" increments with blocked vision design
- Counter sunk mounting holes with screws for each side of the door
- Minimum door size thickness: 1-3/8"
- Baked on powder coat finish
- Color: Standard Bronze
- Fastener: Phillips head screws #8 x 3/4"

NOTES

- Order size is equal to opening size
- Follow all door manufacturer's instructions for use and installation of all products.





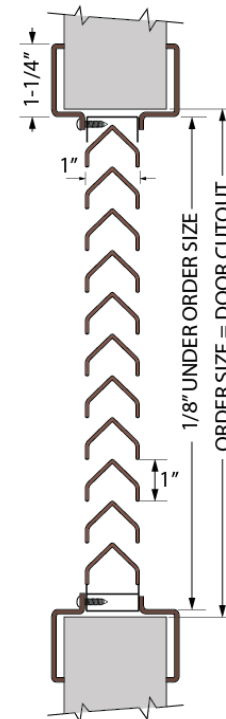
For use in Fire Rated door applications under positive and neutral pressure. Intertek testing certification in compliance to NFPA 252 (2000), UL 10C (2009), NFPA 252(2012) and CSI Code 089000 Louvers & Vents

SPECIFICATIONS

- 18 Gauge Cold Rolled Steel Frame & Blades
- Mitered welded corner frame construction
- Reverse "Y" blades are frame supported at 1" increments, with blocked vision design
- Single side mounting for non corridor exposure with fastening screws included
- Design for use with 1-3/4" doors only
- Baked on powder coat finish
- Color: Standard Bronze
- Fastener: Phillips head screws #8 x 3/4"

NOTES

- Order size is equal to opening size
- Follow all door manufacturer's instructions for use and installation of all products.





Adjustable Fusible Link Louvers are recommended for use in rooms where ventilation is needed and at the same time isolating the room whenever fire is present. When louver is exposed to heat at 165°F, the fusible link trips and the spring loaded louver blades shut to form an air tight fire and smoke seal.

UL (WHI Listing Mark) is stamped on the frame of the louvers with a 60-90 Minutes Fire Rating. Installation is easy. No need to drill holes for fasteners. All screws are mounted on the room side leaving the corridor side free of fasteners for security purposes.

Fuses are replaceable.

Standard Features:

Material: 16 Gauge CRS Frame & Louver Blades

Door: for 1-3/4" Doors only

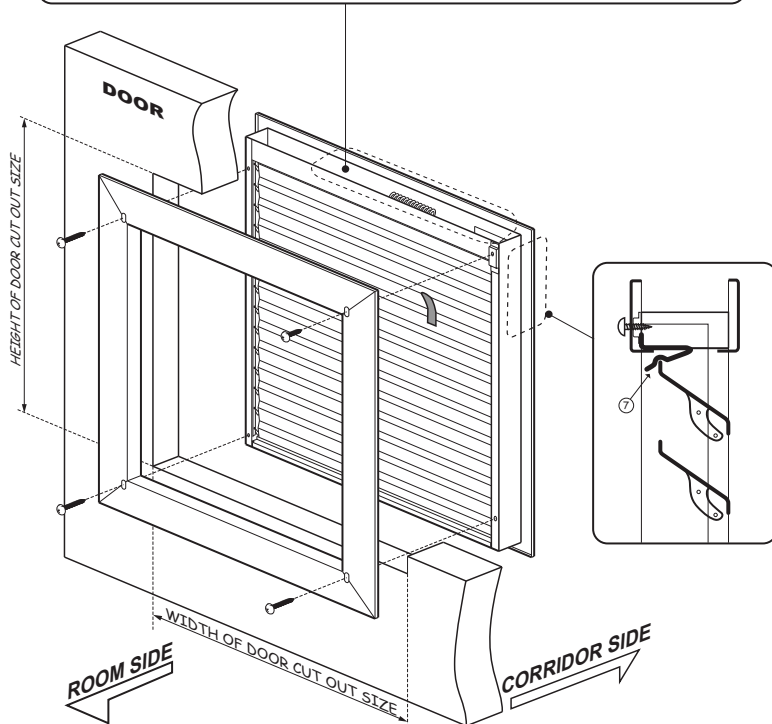
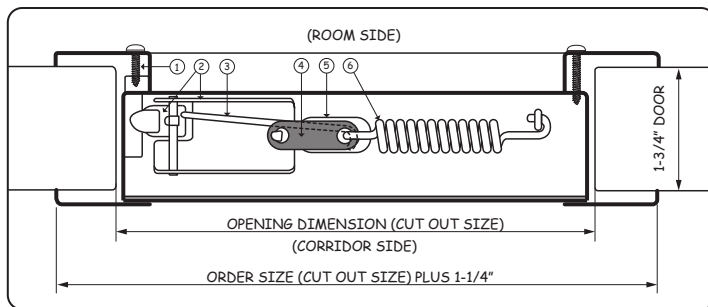
Fasteners: 3 x 3/4" LG & 1 x 1/2" LG

Finish: Standard Bronze

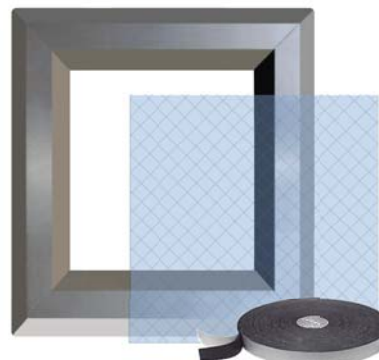
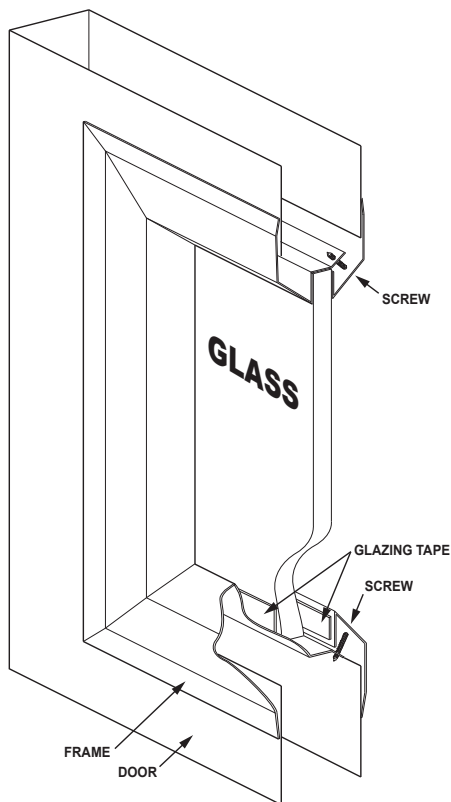
Free Flow Area: 45% free

Construction:

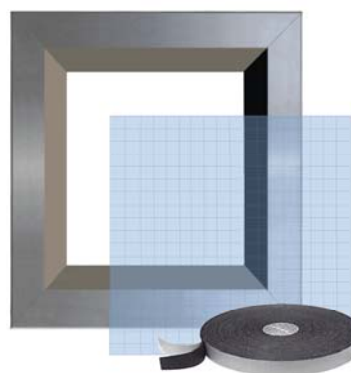
- Welded & mitered corners
- Adjustable blades of 16-gauge CRS
- Cadmium plated steel rivets
- Cadmium plated steel tension spring
- 1-9/16" deep louver assembly



- ① Mounting Screws - #8 phillips head
(3 x 3/4" LG & 1 x 1/2" LG)
- ② Rocker Arm, Closing Bar and housing
- ③ "S" Hook - .080" Cadmium plated steel
- ④ Fusible link - Design temperature 165° F max
- ⑤ Heat opening - 1/2" x 1"
- ⑥ Tension spring - 3" LG x 1/2" dia x .063" thick Cadmium plated steel.
- ⑦ Flat Spring Clip



LOW PROFILE SVL VISION LITE KITS



STANDARD PROFILE VL VISION LITE KITS

For use in Fire Rated door applications under positive and neutral pressure. Intertek testing certification in compliance to NFPA 252 (2000), UL 10C (2009), CAN/ULS104 (2010), NFPA (201) and CSI Code 0870 00

FRAME SPECIFICATIONS

- Standard and Low Profile Vision Lite Kits
- 20 Gauge Cold Rolled Steel
- Mitered welded corners with counter sunk mounting holes
- Single side attaching with matching mounting screws included
- For use with 3/16" to 1/4" glass thickness
- Designed for use with 1-3/4" doors only
- Baked on powder coat finish
- Color: Standard Bronze
- Fastener: #8 x 7/8" flathead phillips head SMS

NOTES

- Order size is equal to opening size
- Visible vision opening is 2" under order size
- Glass size dimension is 1" under complete order size
- Follow all door manufacturer's instructions for use and installation of all products.

GLAZING TAPE

- Standard 1/16" x 3/8" applied to both sides of glass

GLASS OPTIONS

TEMP (Tempered Glass): Heat-strengthened glass and cannot be cut after manufacturing. Fire Rating: None. Clear wire free glass recommended for non fire rated applications. Use of glazing compound or glazing tape on both sides of glass is recommended to minimize breakage.

Size: Minimum 2" x 2", max sheet size: 88" x 118".

WS (Superlite I-W Wired Glass): 20 ga CRS (Cold Rolled Steel) beveled vision lite, 1/4" wired glass with film. Glass is UL labeled standard.

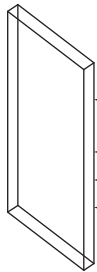
Fire Rating: 20 minutes to 90 minutes. Install in fire listed and labeled vision frames. Use of glazing compound or glazing tape on both sides of glass is recommended to minimize breakage.

Size: Minimum 4" x 4", max rated size: 36" x 84".

PPF (PYRAN® Platinum F Glass): Glass is UL labeled standard.

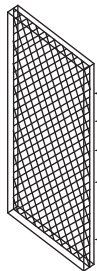
Fire Rating: 20 minute to 3 hours. Install in fire listed and labeled vision frames. Use of glazing compound or glazing tape on both sides of glass is recommended to minimize breakage.

Size: Minimum 4" x 6", max sheet size: 43" x 77".



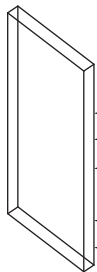
Tempered Glass

- ← Heat-treated clear safety glass that breaks into small particles
- ← Light Transmission: 86% approx
- ← Thickness: 1/4" (6 mm)
- ← Non-Fire Rated



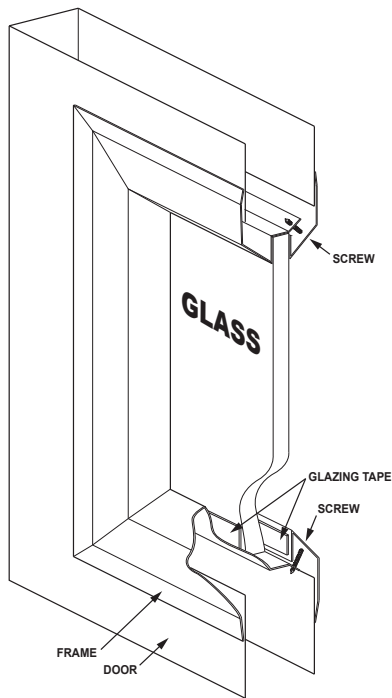
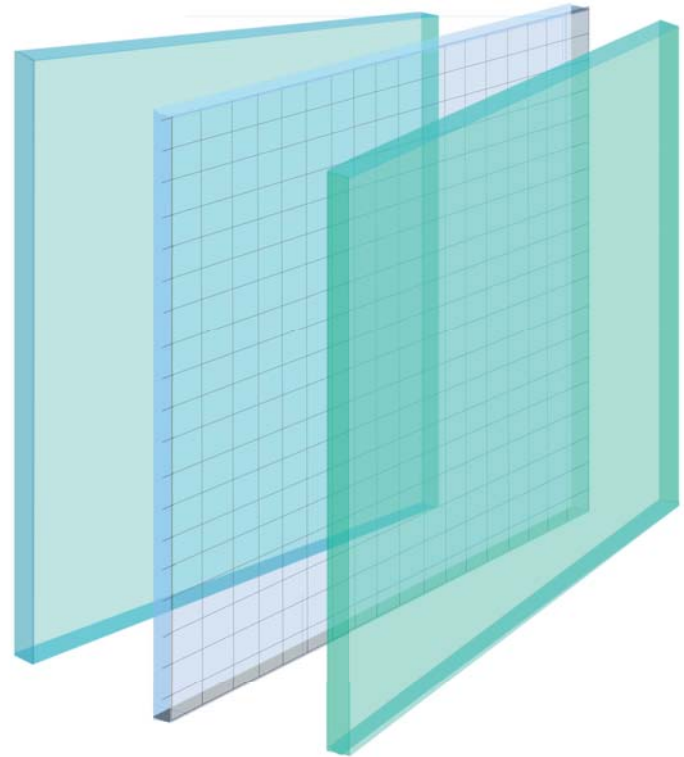
SuperLite I-W Wired Glass

- ← Embedded 3/4" x 3/4" wire mesh
- ← Light Transmission: 86% approx
- ← Thickness: 1/4" (6 mm)
- ← Annealed single glazing with safety film applied to one side
- ← 20-90 Minute Fire Rating



PYRAN® Platinum F Glass

- ← Glass Ceramic
- ← Light Transmission: 80% approx
- ← Surface applied Heavy Duty Safety film
- ← Thickness: 3/16" (5 mm)
- ← 20-180 Minute Fire Rating



GLASS OPTIONS

TEMP (Tempered Glass): Heat-strengthened glass and cannot be cut after manufacturing. Fire Rating: None. Clear wire free glass recommended for non fire rated applications. Use of glazing compound or glazing tape on both sides of glass is recommended to minimize breakage.
Size: Minimum 2" x 2", max sheet size: 88" x 118".

WS (Superlite I-W Wired Glass): 20 ga CRS (Cold Rolled Steel) beveled vision lite, 1/4" wired glass with film. Glass is UL labeled standard. Fire Rating: 20 minutes to 90 minutes. Install in fire listed and labeled vision frames. Use of glazing compound or glazing tape on both sides of glass is recommended to minimize breakage.
Size: Minimum 4" x 4", max rated size: 36" x 84".

PPF (PYRAN® Platinum F Glass): Glass is UL labeled standard. Fire Rating: 20 minute to 3 hours. Install in fire listed and labeled vision frames. Use of glazing compound or glazing tape on both sides of glass is recommended to minimize breakage.
Size: Minimum 4" x 6", max sheet size: 43" x 77".