

**DKS STEEL DOOR & FRAME SYSTEMS, INC.**

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Commerce, CA 90040  
Tel: (323) 888-7763  
Fax: (323) 888-0063  
Email: sales@dksdoors.com  
Website: www.dksdoors.com

**DKS ARIZONA WAREHOUSE**

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Phoenix, AZ 85027  
Tel: (602) 698-7779  
Fax: (480) 383-6353  
Email: sales@SWOpeningSolutions.com

**DKS TEXAS WAREHOUSE**

SSG Arlington Texas  
2020 Exchange Drive  
Arlington, TX 76011  
Tel: (817) 275-3070  
Fax: (817) 275-3068  
Email: gregshuck@ssg-texas.com  
Website: www.ssg-texas.com

SSG Houston Texas

423 Blueberry  
Houston, TX 77018  
Tel: (817) 275-3070  
Fax: (817) 275-3068  
Website: www.ssg-texas.com

**DKS PENNSYLVANIA WAREHOUSE**

Tab Industries, LLC  
2525 North 12th Street  
Reading, PA 19605  
Tel: (610) 921-0012  
Fax: (610) 921-0014  
Website: www.tabindustries.com

**DKS COLORADO WAREHOUSE**

Steele-Brez & Associates, Inc.  
2045 W. Amherst Ave.  
Englewood, CO 80110  
Tel: (800) 321-7232; (303) 922-3692  
Fax: (303) 922-8873  
Website: www.steele-brez.com

**DKS INDIANA WAREHOUSE**

Compass Building Products  
24615 County Road 45, Suite #1  
Elkhart, IN 46516  
Tel: (574) 350-3749  
Website: www.compassbldgproducts.com



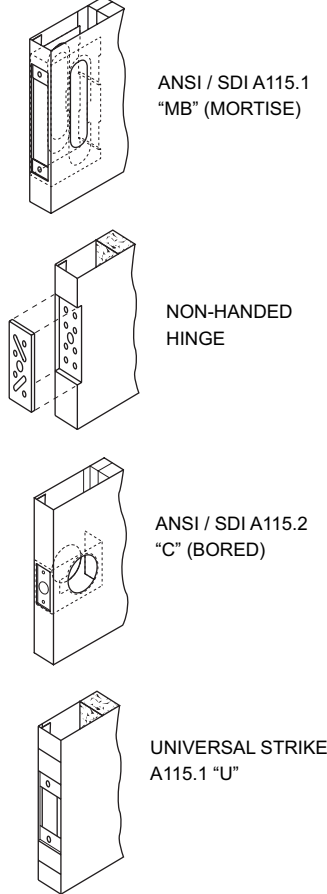
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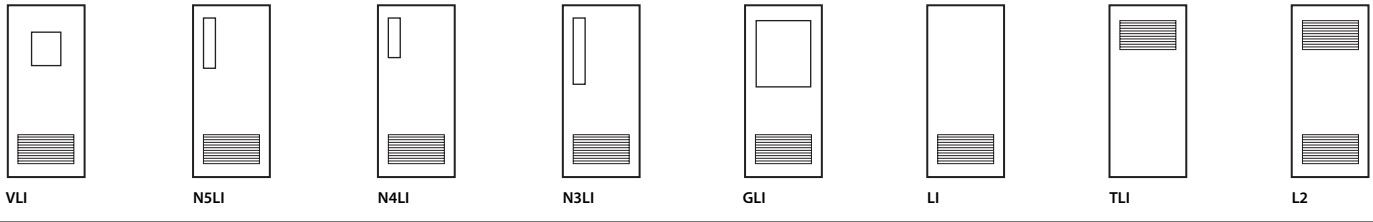
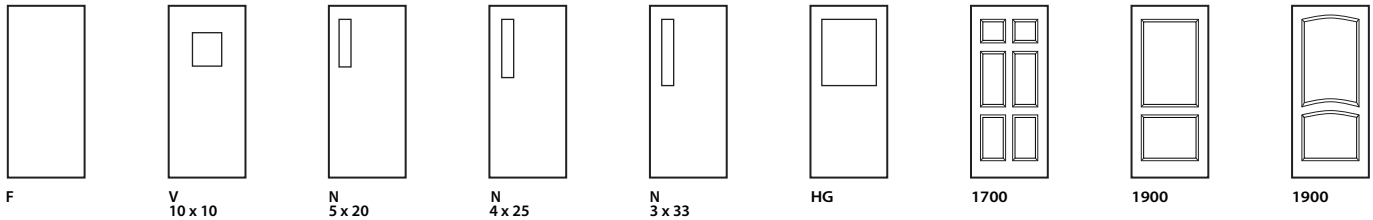
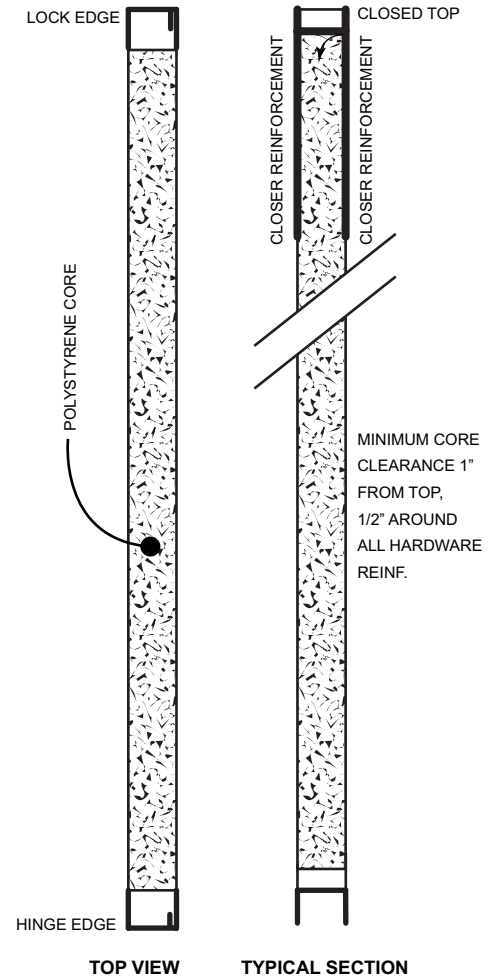
**Standard Features**

- ◆ 16 and 18 Gauge Doors
- ◆ Cold Rolled or Galvanized Steel
- ◆ Tight Corner Seam  
(Edge/Corner Seam Construction)
- ◆ 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**



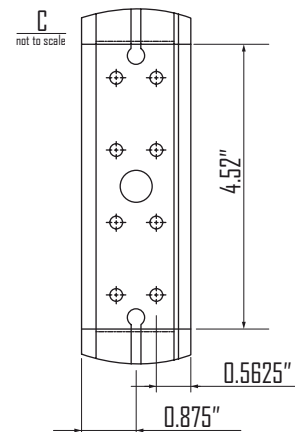
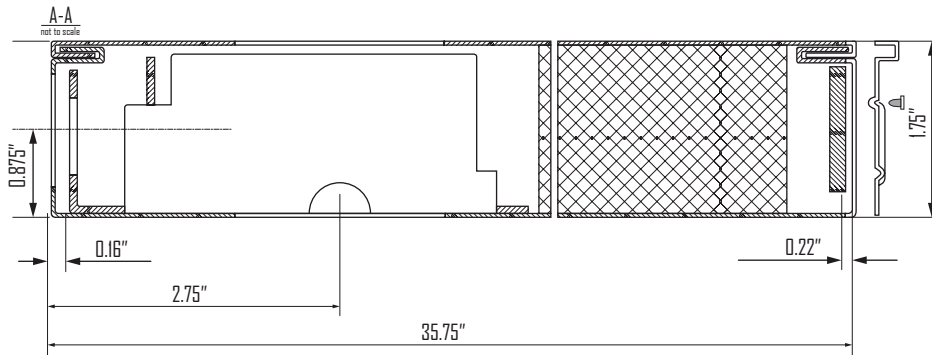
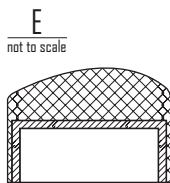
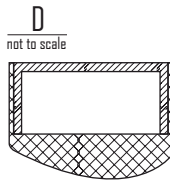
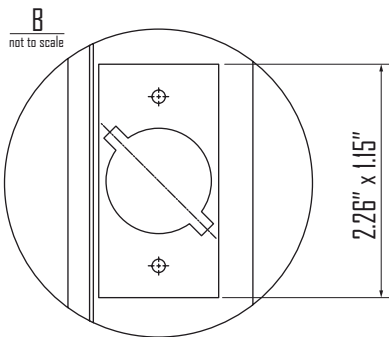
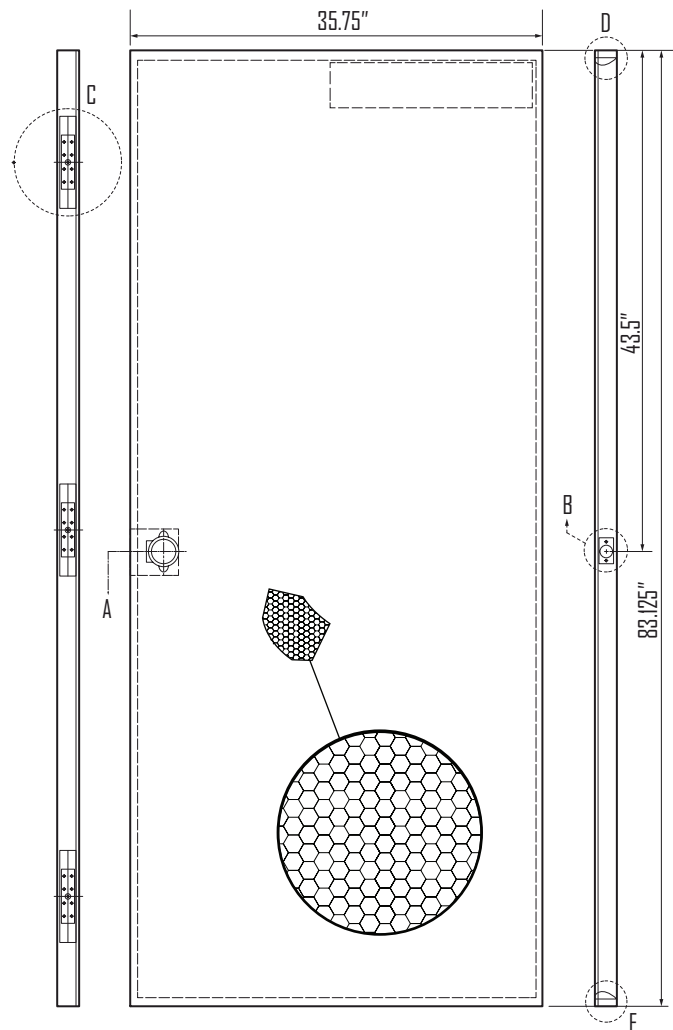
**Sections**





**Standard Features**

- ◆ 18 Gauge Galvanized Steel Doors
- ◆ Full Body Honeycomb Core
- ◆ Corner Seam (Edge/Corner Seam Construction)
- ◆ Non-Handed Design
- ◆ 14-Gauge Closer Reinforcement
- ◆ 7-Gauge Hinge Reinforcement-Reversible
- ◆ 18-Gauge Flush Top Cap
- ◆ 18-Gauge Inverted Bottom Cap
- ◆ 14-Gauge Lock Reinforcement
- ◆ Powder Coated Prime - Grey, Factory Applied
- ◆ WHI 90-Minute Label





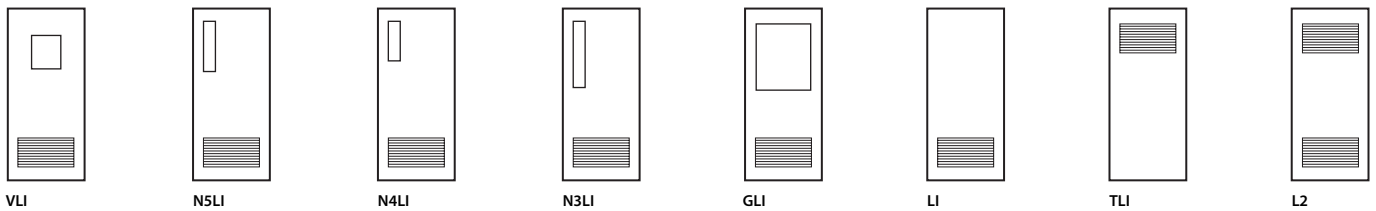
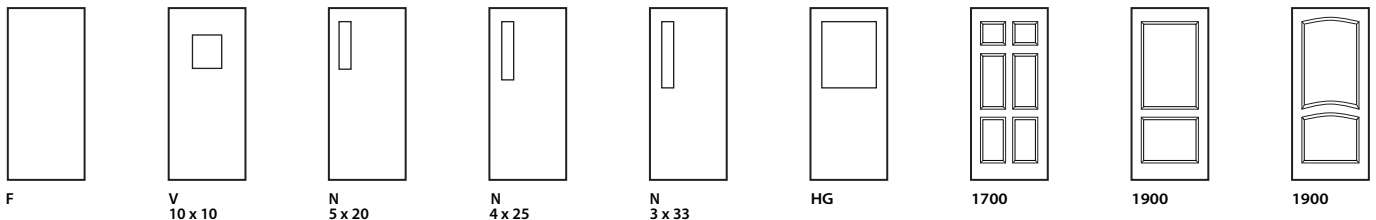
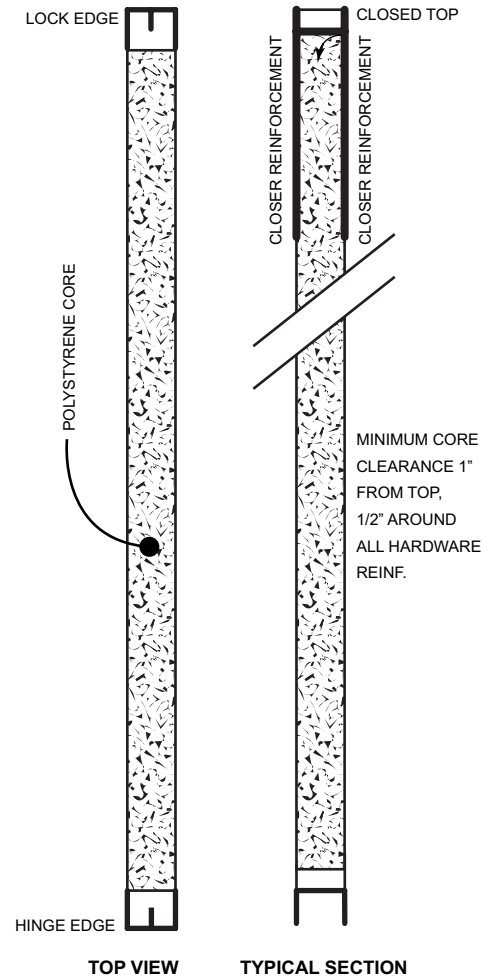
**Standard Features**

- ◆ 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
- ◆ Continuous Laser Weld on Both Edges

**Typical Hardware Preparations**



**Sections**

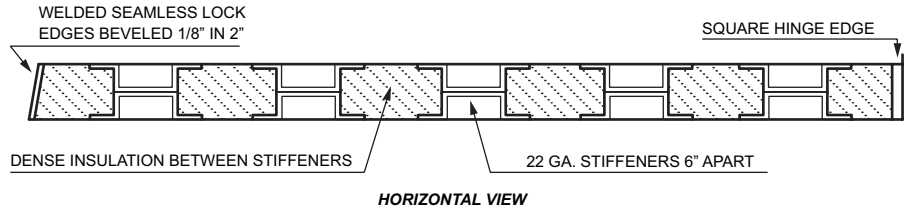




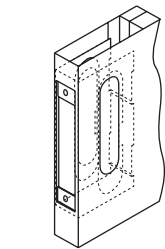
**Standard Features**

- ◆ 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
- ◆ Continuous Laser Welded on Both Edge

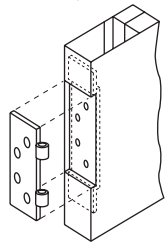
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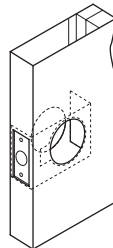
**Typical Hardware Preparations**



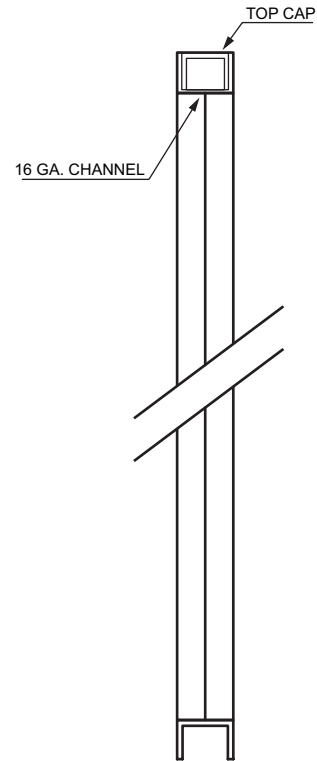
ANSI / SDI A115.1 "MB" (MORTISE)



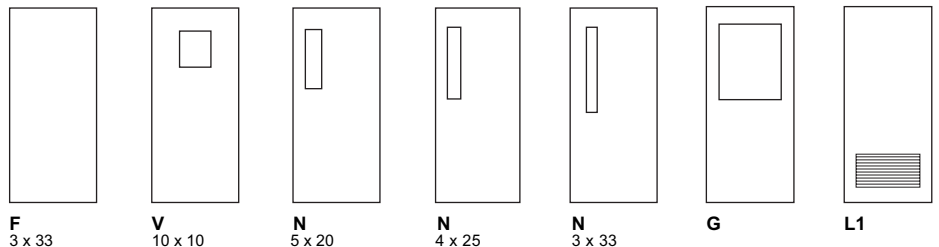
HINGE



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



VERTICAL SECTION

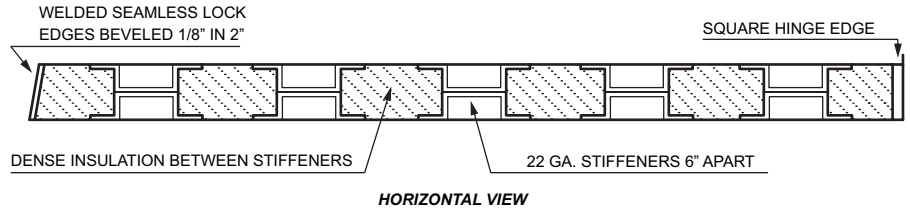




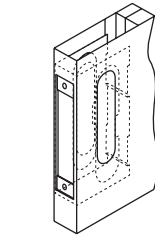
**Standard Features**

- ◆ 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
- ◆ Continuous Laser weld on both edge

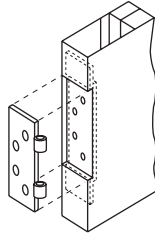
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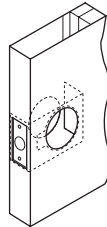
**Typical Hardware Preparations**



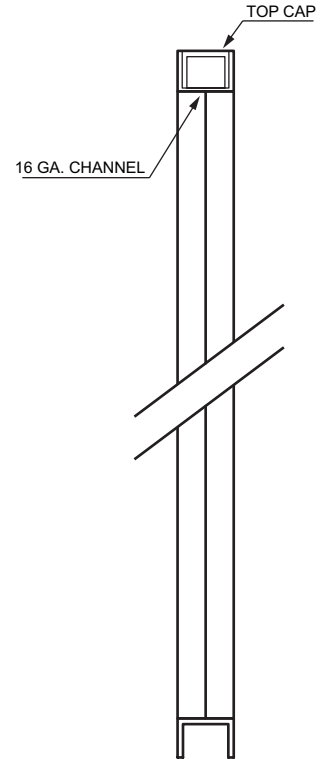
ANSI / SDI A115.1 "MB" (MORTISE)



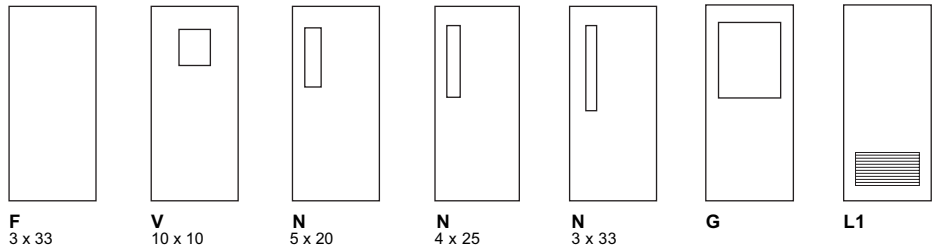
HINGE



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



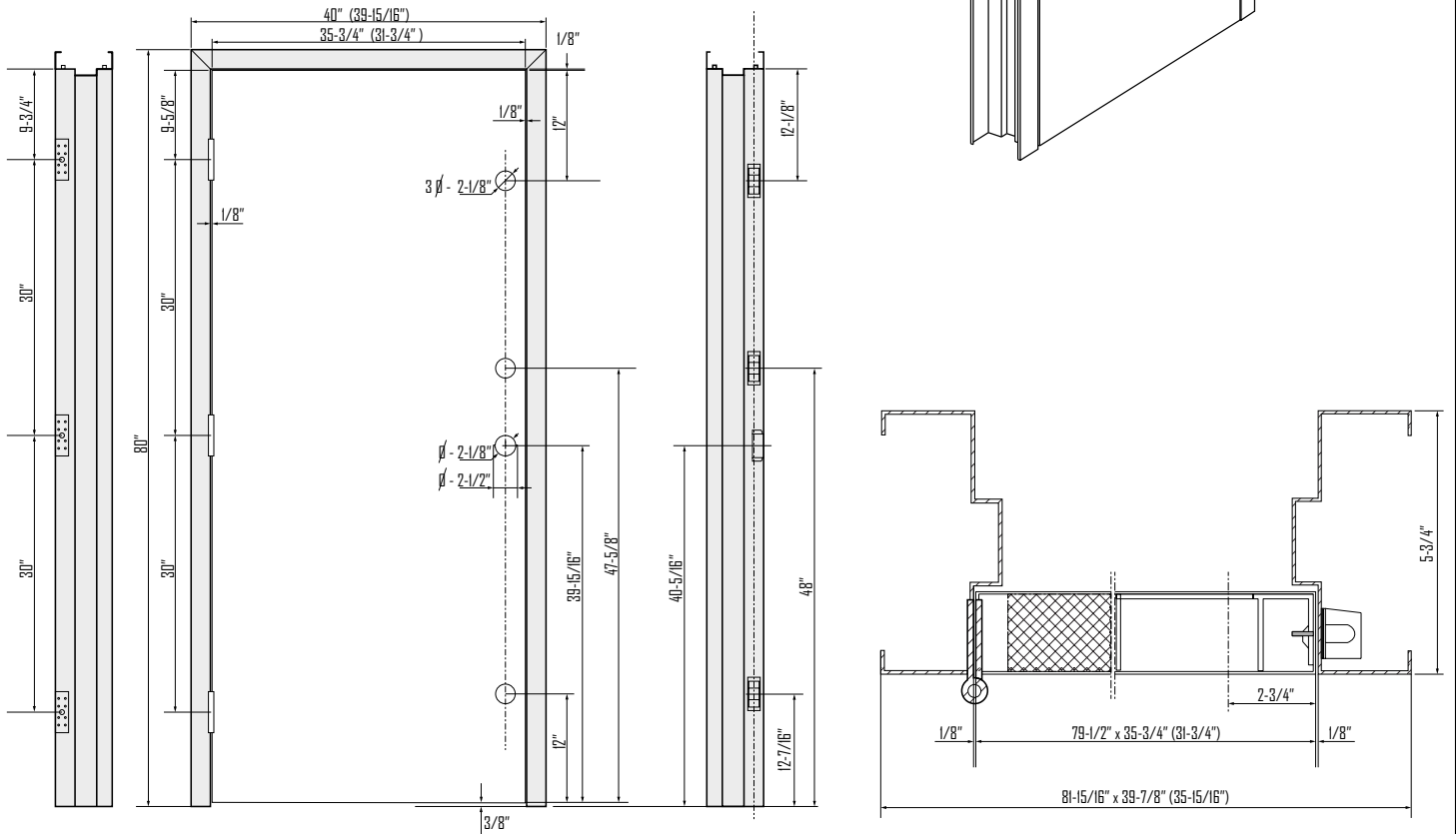
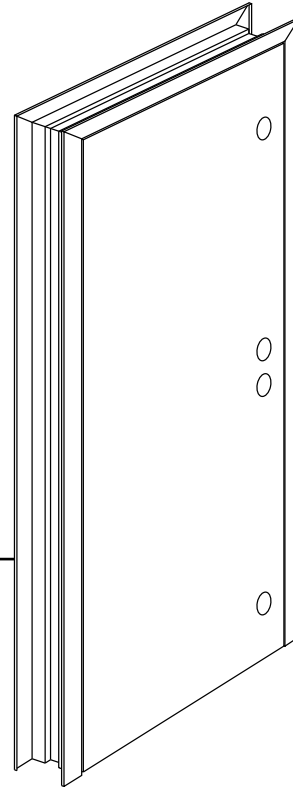
VERTICAL SECTION





**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
- ◆ Continuous Laser Weld on Both Edges of Door

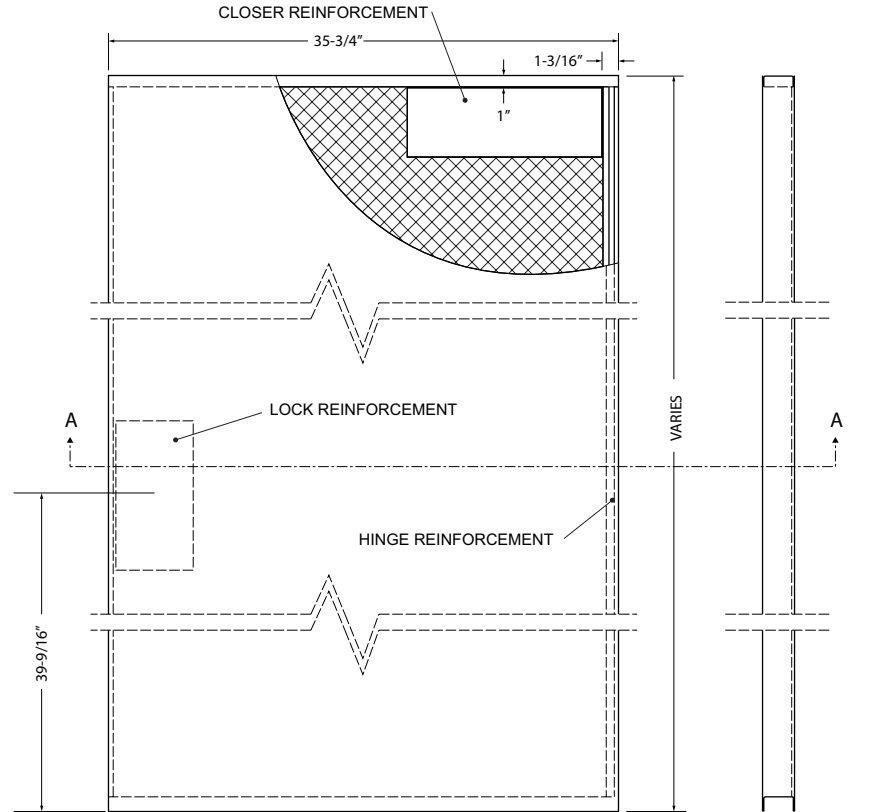




**Standard Features**

- ◆ 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

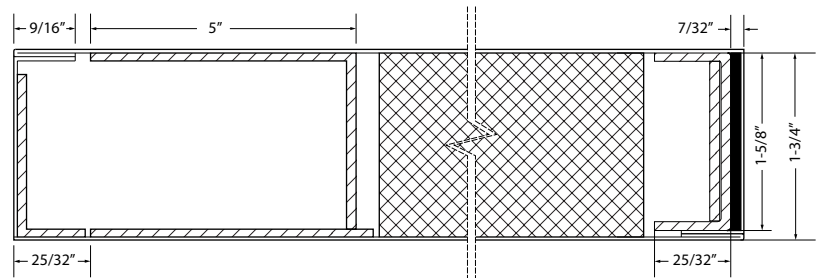


ILLUSTRATION NOT TO SCALE

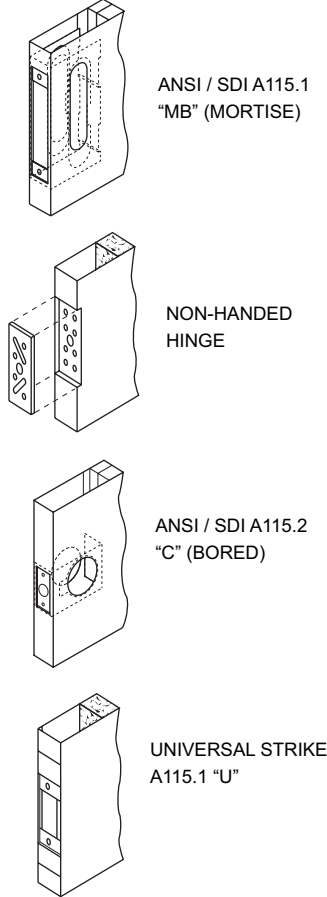




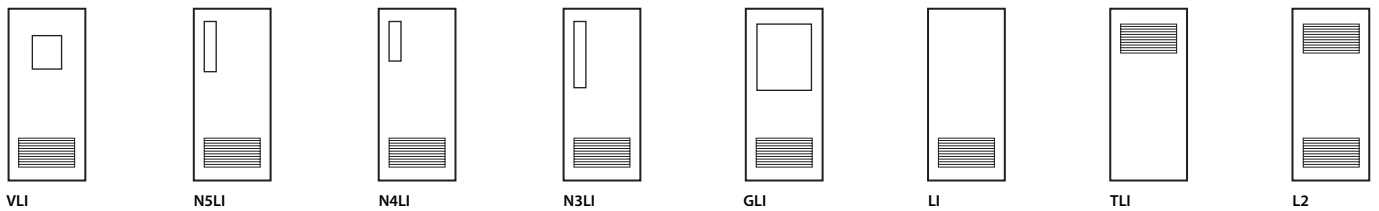
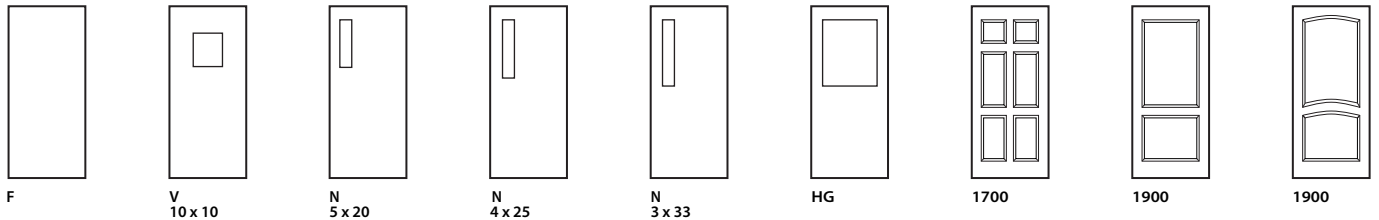
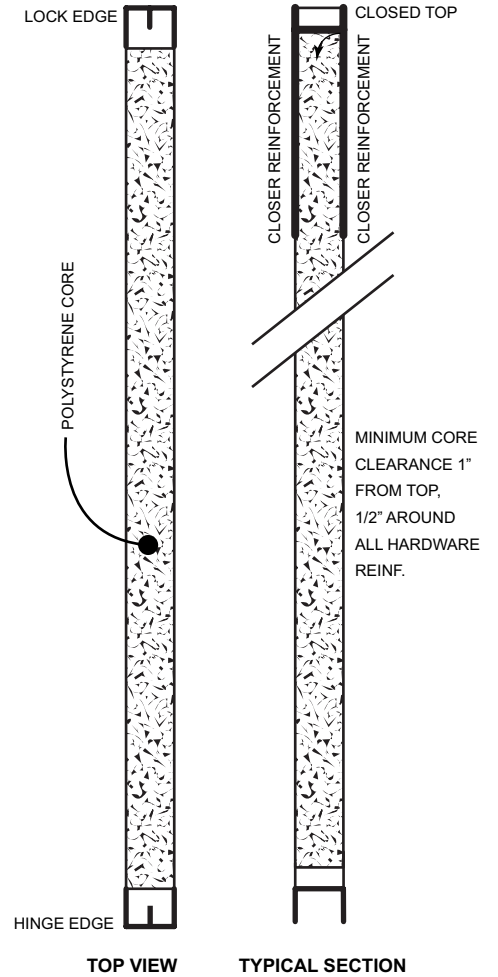
**Standard Features**

- ◆ 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
- ◆ Continuous Laser Welded on Both Edge

**Typical Hardware Preparations**



**Sections**

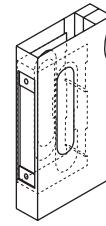




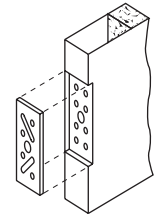
**Standard Features**

- ◆ 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
- ◆ Continuous Laser Weld on Both Edges

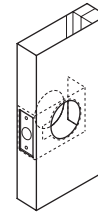
**Typical Hardware Preparations**



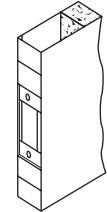
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"MB" (MORTISE)



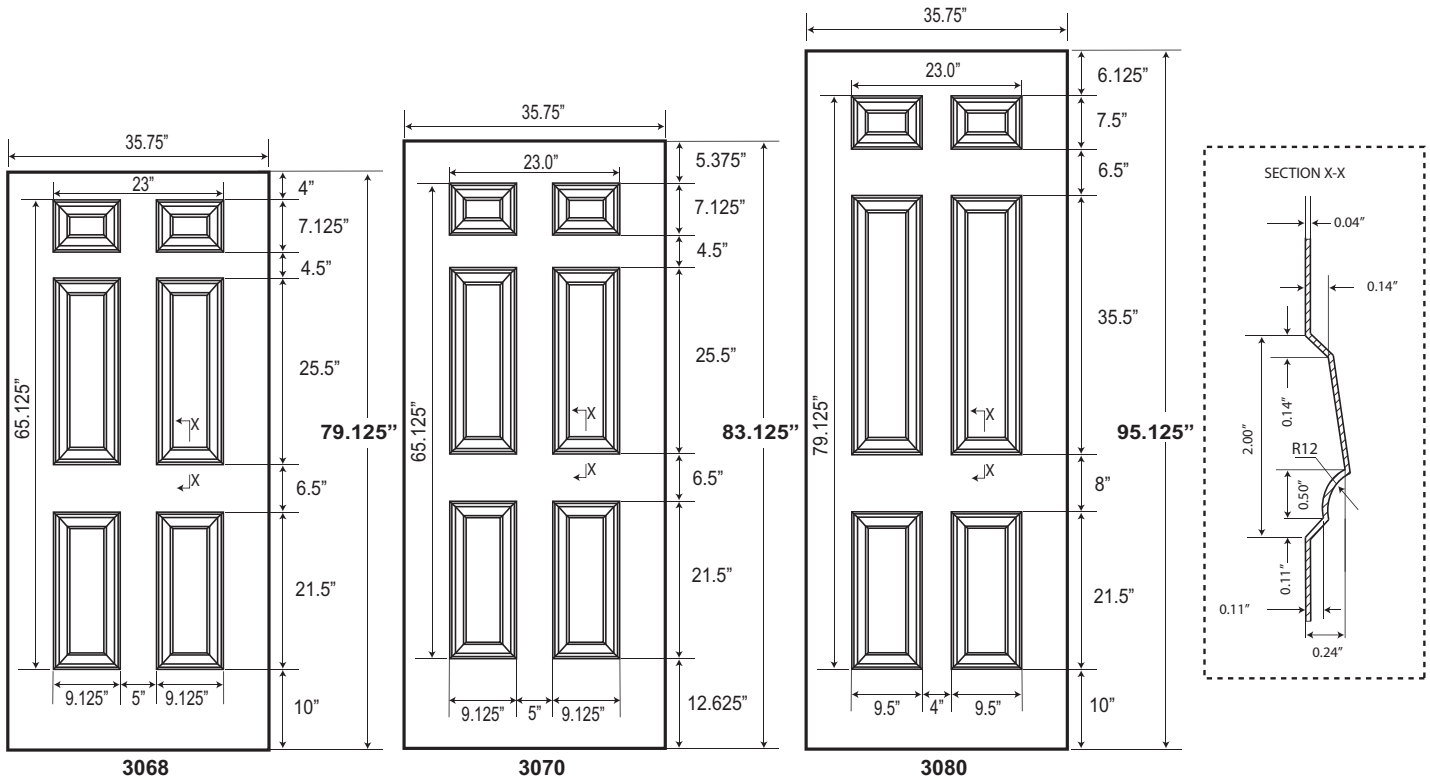
NON-HANDED  
HINGE



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



UNIVERSAL STRIKE  
A115.1 "U"

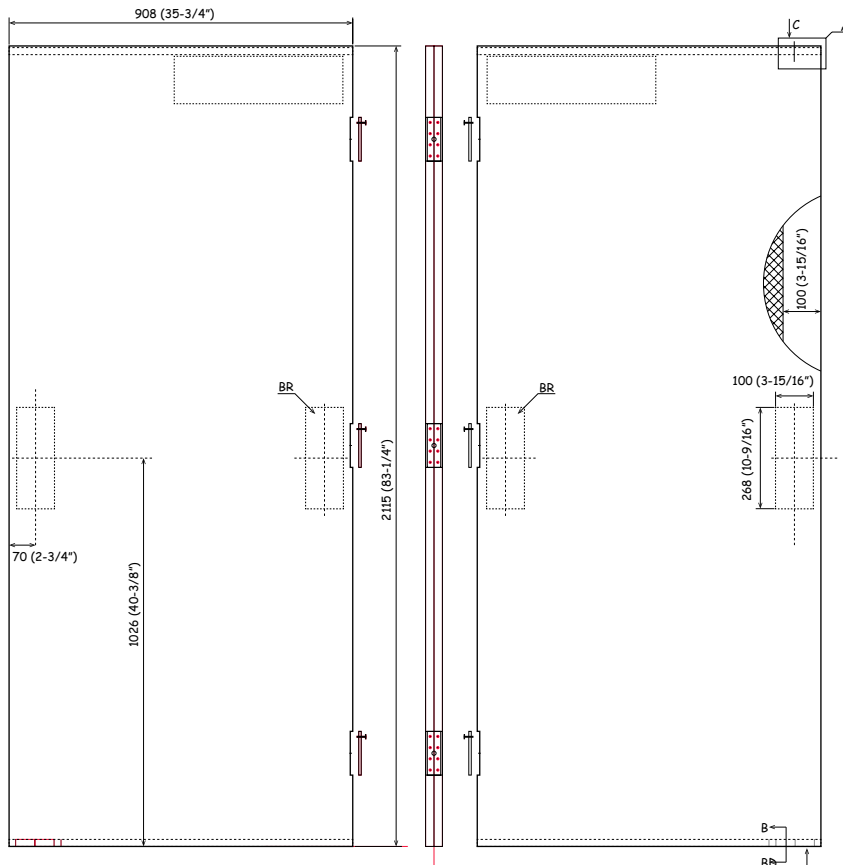
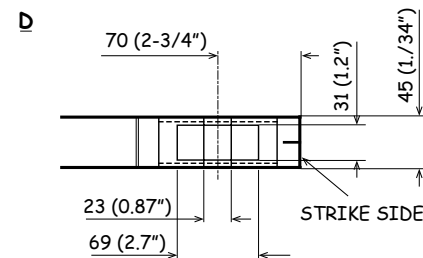
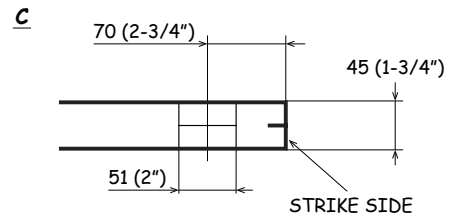
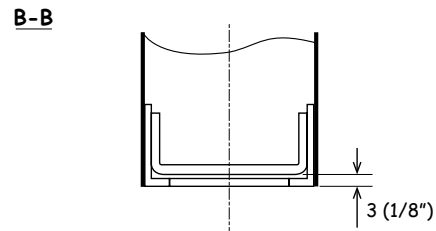
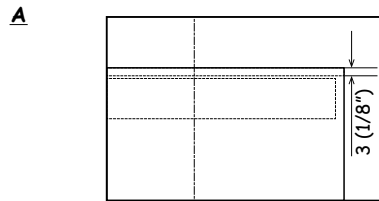
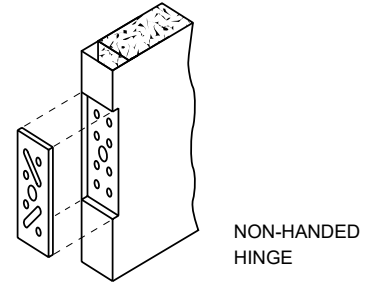




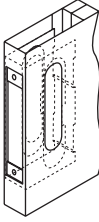
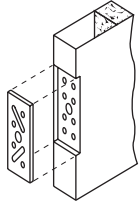
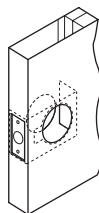
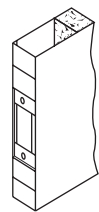
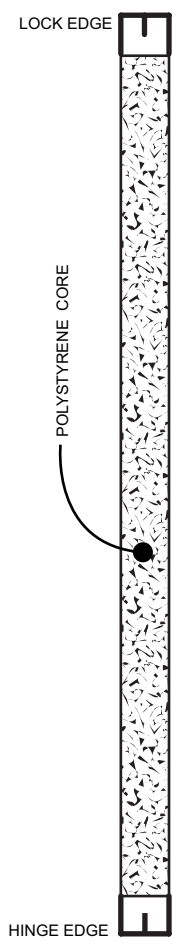
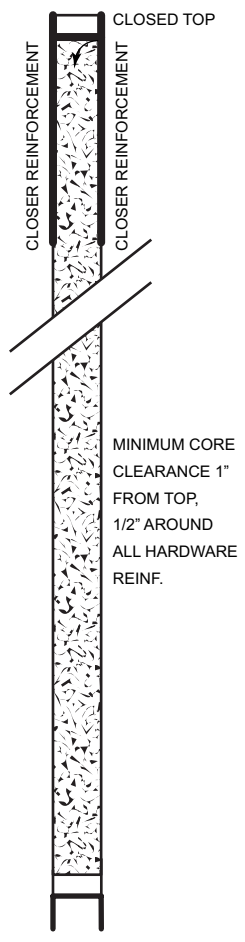
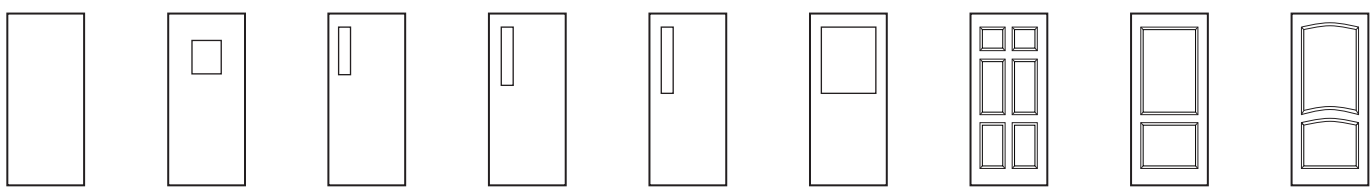
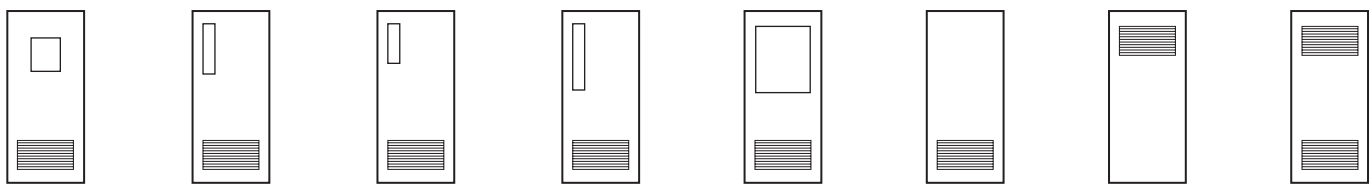
**Standard Features**

- ◆ 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**





<p><b>Standard Features</b></p> <ul style="list-style-type: none"> <li>◆ 18-Gauge Cold Rolled or Galvanized Steel</li> <li>◆ <b>Seamless</b> Filled Edges</li> <li>◆ Full Body Polystyrene Core</li> <li>◆ Non- Handed Design</li> <li>◆ 12-Gauge Closer Reinforcement</li> <li>◆ 7-Gauge Hinge Reinforcement- Reversible</li> <li>◆ 16-Gauge Flush Top Cap - Galvanized Standard / Heavy Duty</li> <li>◆ 16-Gauge Inverted Bottom Cap - Galvanized</li> <li>◆ Prime Painted Grey Two Part Epoxy Factory Applied, Baked On</li> <li>◆ Standard Lock Preparations Include 161, Fed 86 Edge, Panic Bar Reinforced</li> <li>◆ WHI / ITS up to 3 hour, Positive Pressure and "S" Smoke included</li> <li>◆ Meets or Exceeds Standards for ANSI 250.4 and ANSI 250.8</li> <li>◆ Continuous Laser Weld on Both Edges</li> </ul>	<p><b>Typical Hardware Preparations</b></p>  <p>ANSI / SDI A115.1 "MB" (MORTISE)</p>  <p>NON-HANDED HINGE</p>  <p>ANSI / SDI A115.2 "C" (BORED)</p>  <p>UNIVERSAL STRIKE A115.1 "U"</p>	<p><b>Sections</b></p>  <p>LOCK EDGE</p> <p>HINGE EDGE</p> <p>POLYSTYRENE CORE</p>  <p>CLOSED TOP</p> <p>CLOSER REINFORCEMENT</p> <p>MINIMUM CORE CLEARANCE 1" FROM TOP, 1/2" AROUND ALL HARDWARE REINF.</p> <p>TOP VIEW      TYPICAL SECTION</p>
 <p>F      V 10 x 10      N 5 x 20      N 4 x 25      N 3 x 33      HG      1700      1900      1900</p>		
 <p>VLI      N5LI      N4LI      N3LI      GLI      LI      TLI      L2</p>		

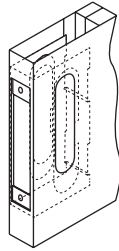




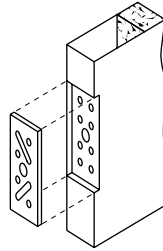
**Standard Features**

- ◆ 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
- ◆ Continuous Laser Welded on Both Edges

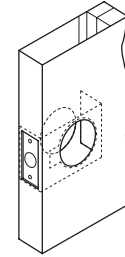
**Typical Hardware Preparations**



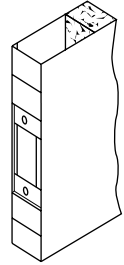
ANSI / SDI A115.1 "MB" (MORTISE)



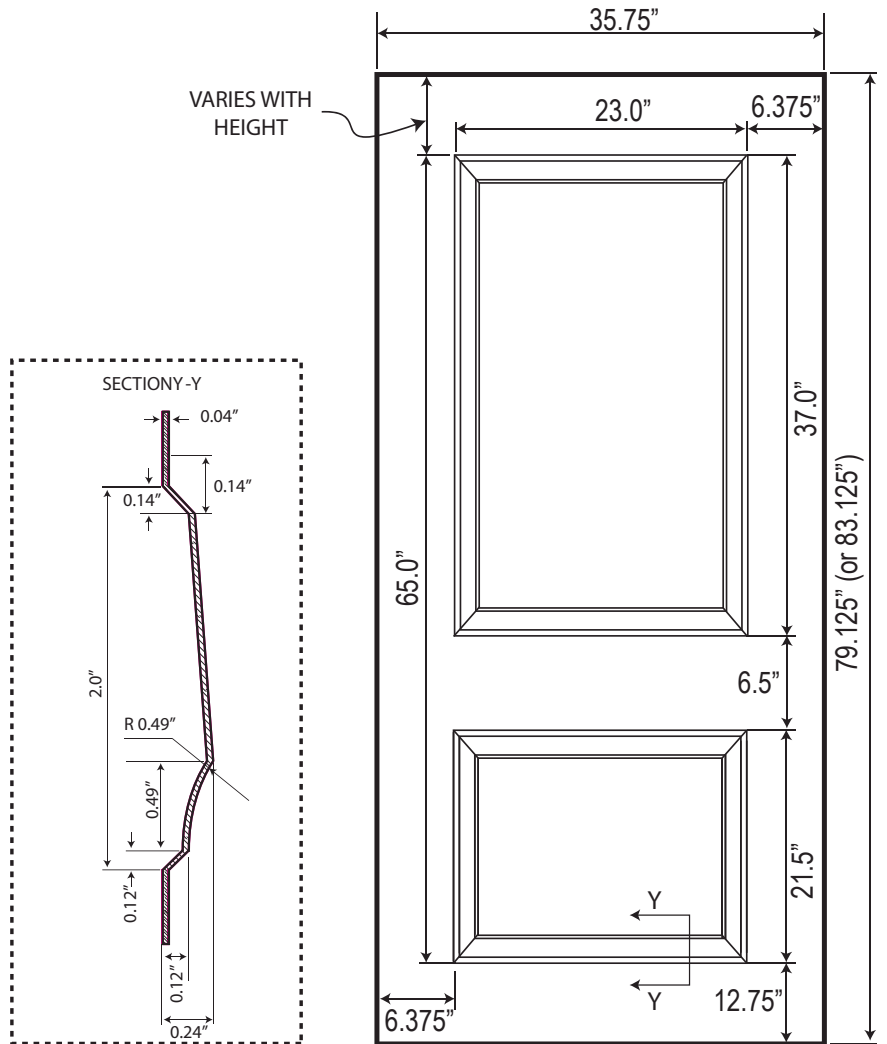
NON-HANDED HINGE



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



UNIVERSAL STRIKE A115.1 "U"

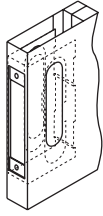




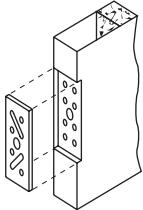
**Standard Features**

- ◆ 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
- ◆ Continuous Laser Welded on Both Edges

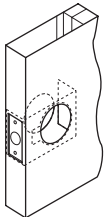
**Typical Hardware Preparations**



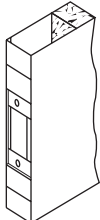
ANSI / SDI A115.1  
"MB" (MORTISE)



NON-HANDED HINGE

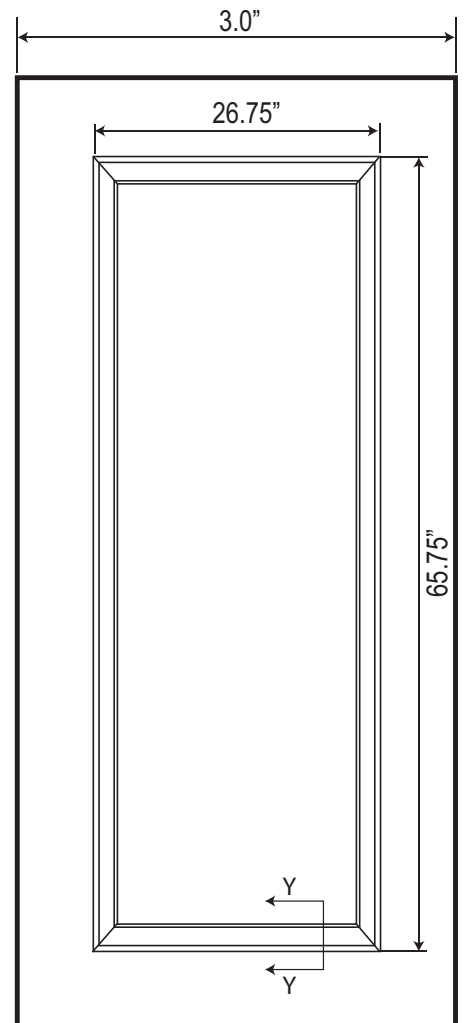
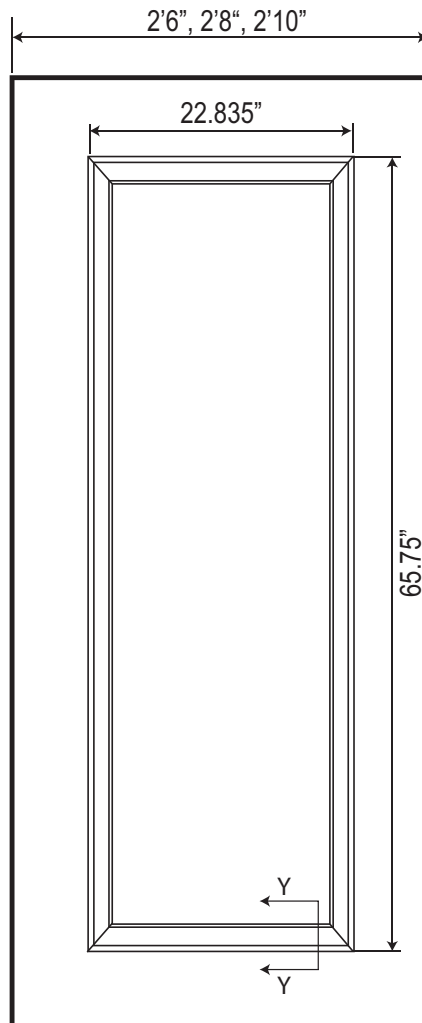
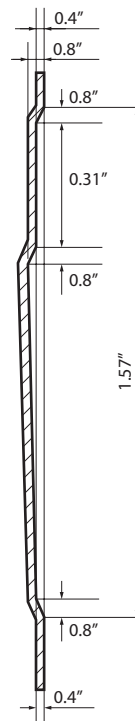


ANSI / SDI A115.2  
"C" (BORED)



UNIVERSAL STRIKE  
A115.1 "U"

SECTION Y-Y

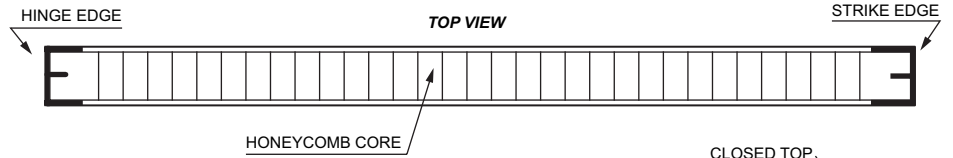




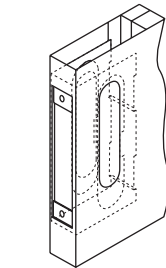
**Standard Features**

- ◆ 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
- ◆ Continuous Laser Weld on Both Edges

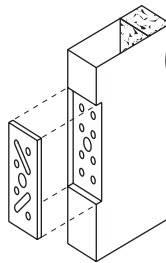
**Sections**



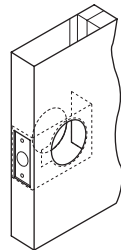
**Typical Hardware Preparations**



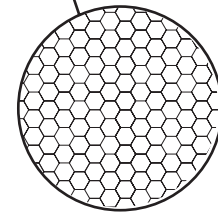
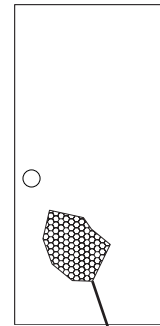
ANSI / SDI A115.1 "MB" (MORTISE)



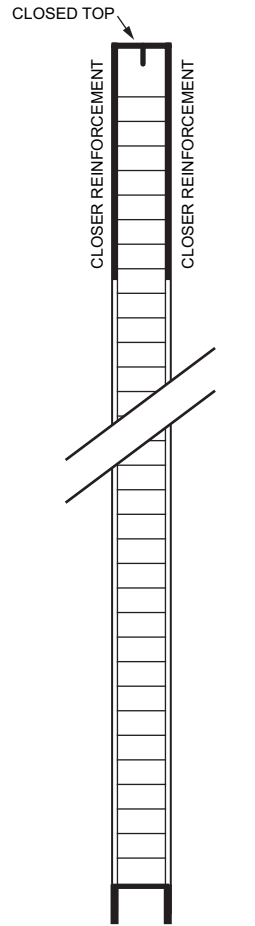
NON-HANDED HINGE



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



HONEYCOMB CORE DETAIL



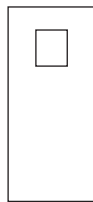
VERTICAL SECTION

**3 HR. LABEL STYLES**

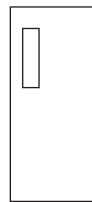


**F**  
3 x 33

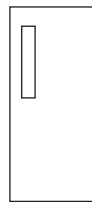
**1-1/2 HR. LABEL STYLES**



**V**  
10 x 10



**N**  
5 x 20

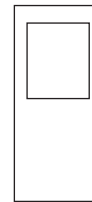


**N**  
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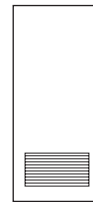


**N**  
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**3/4 HR. LABEL STYLES**



**G**



**L1**

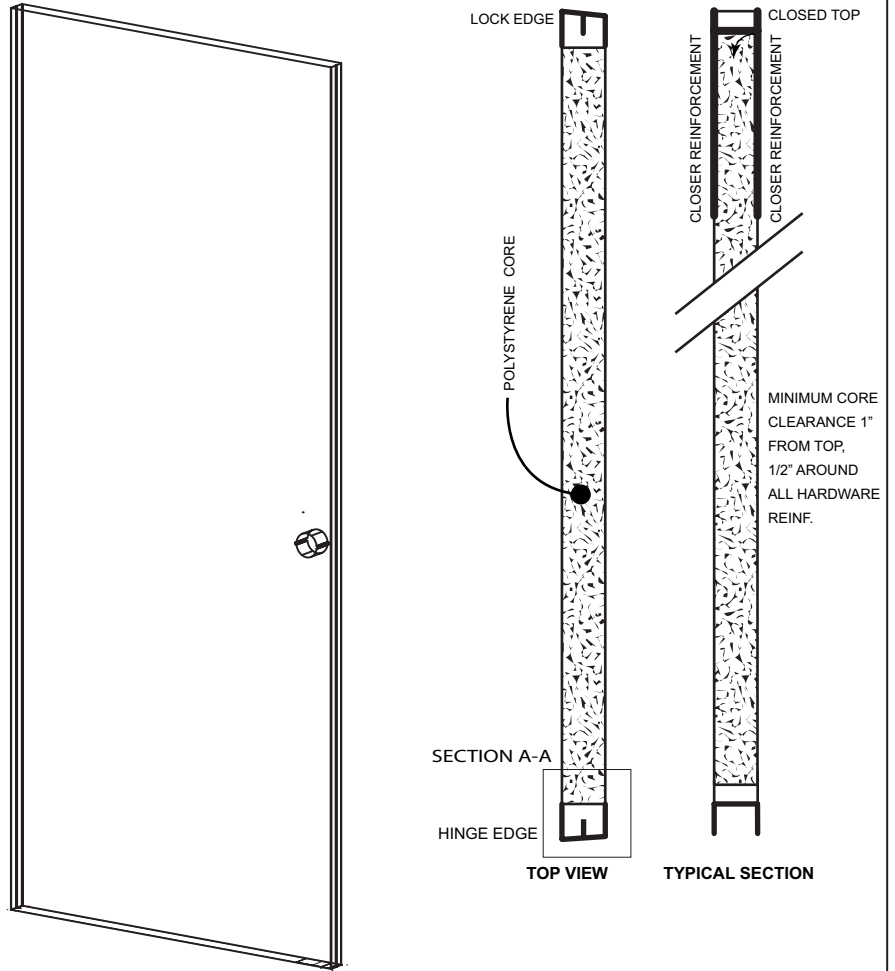




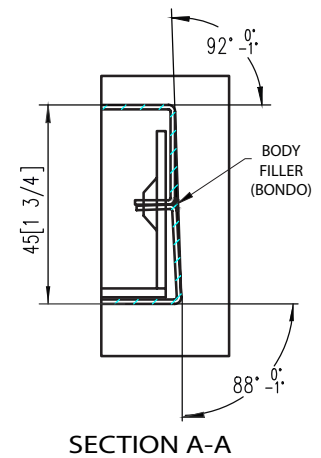
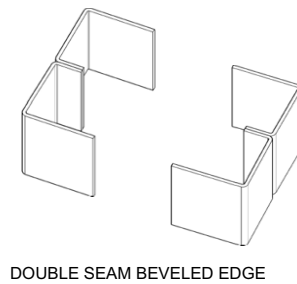
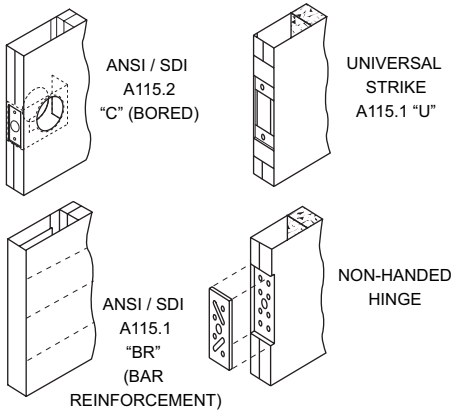
**Standard Features**

- ◆ 18-Gauge Galvanized Steel or Cold Rolled Steel
- ◆ **Seamless** Filled Edges
- ◆ Full Body Polystyrene Core
- ◆ 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, 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
- ◆ Continuous Laser Welded Both on Edges

**Sections**



**Typical Hardware Preparations**

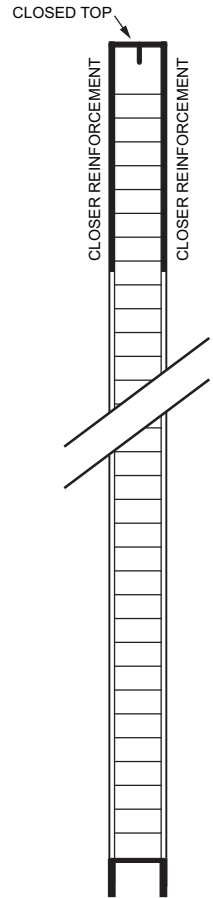
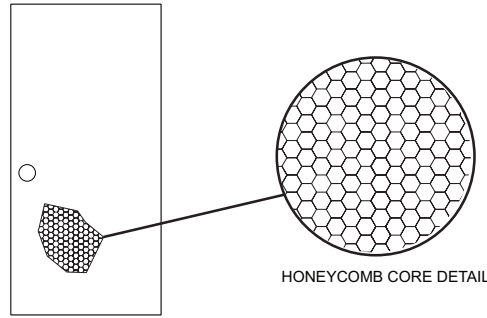
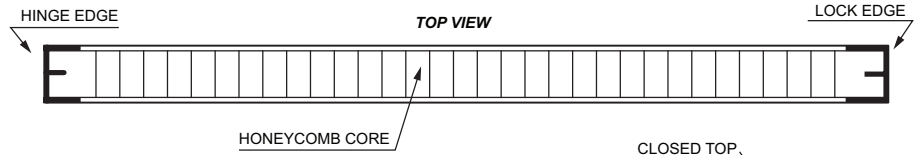




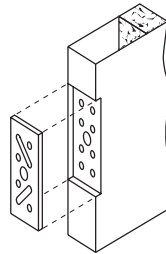
**Standard Features**

- ◆ 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
- ◆ Continuous Laser Weld on Both Edges

**Sections**



**Typical Hardware Preparation**



NON-HANDED HINGE

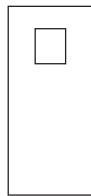
VERTICAL SECTION

3 HR. LABEL STYLES

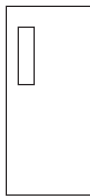


F  
3 x 33

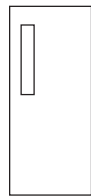
1-1/2 HR. LABEL STYLES



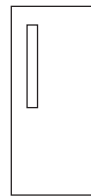
V  
10 x 10



N  
5 x 20

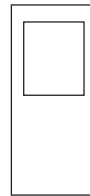


N  
4 x 25



N  
3 x 33

3/4 HR. LABEL STYLES



G



L1

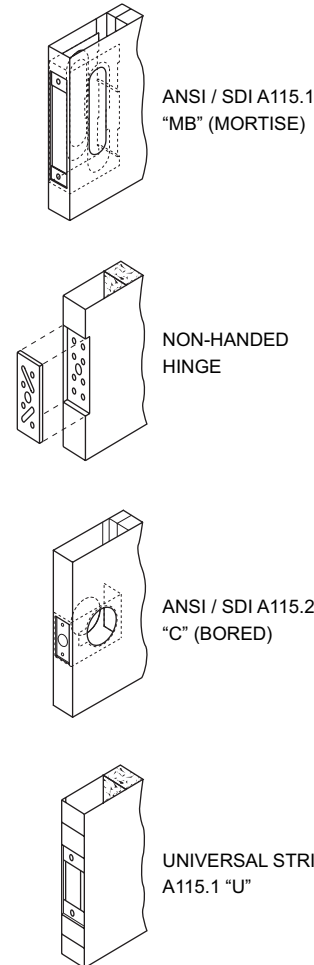




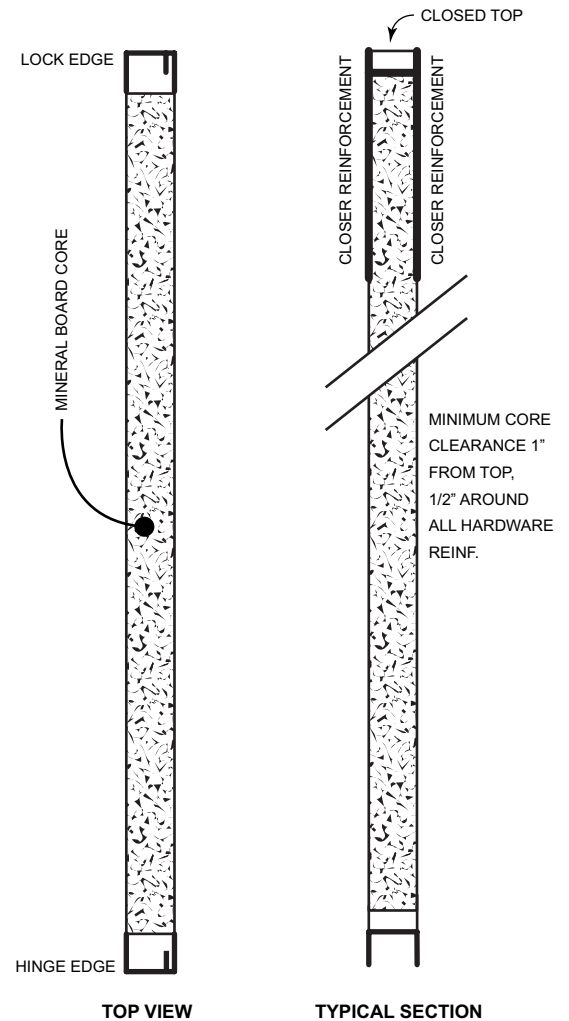
**Standard Features**

- ◆ 1-3/4" Temperature Rise Doors 250° or 450°
- ◆ 18 or 16 Gauge Galvanized Steel
- ◆ **Seamless Filled Edges** (Edge/Corner Seam Construction)
- ◆ 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**



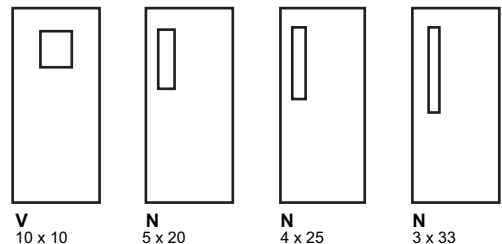
**Sections**



**3 HOUR LABEL STYLES**



**1-1/2" HOUR LABEL STYLES**

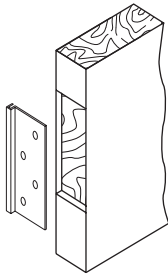




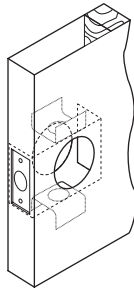
**Standard Features**

- ◆ 24-Gauge Galvanized 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

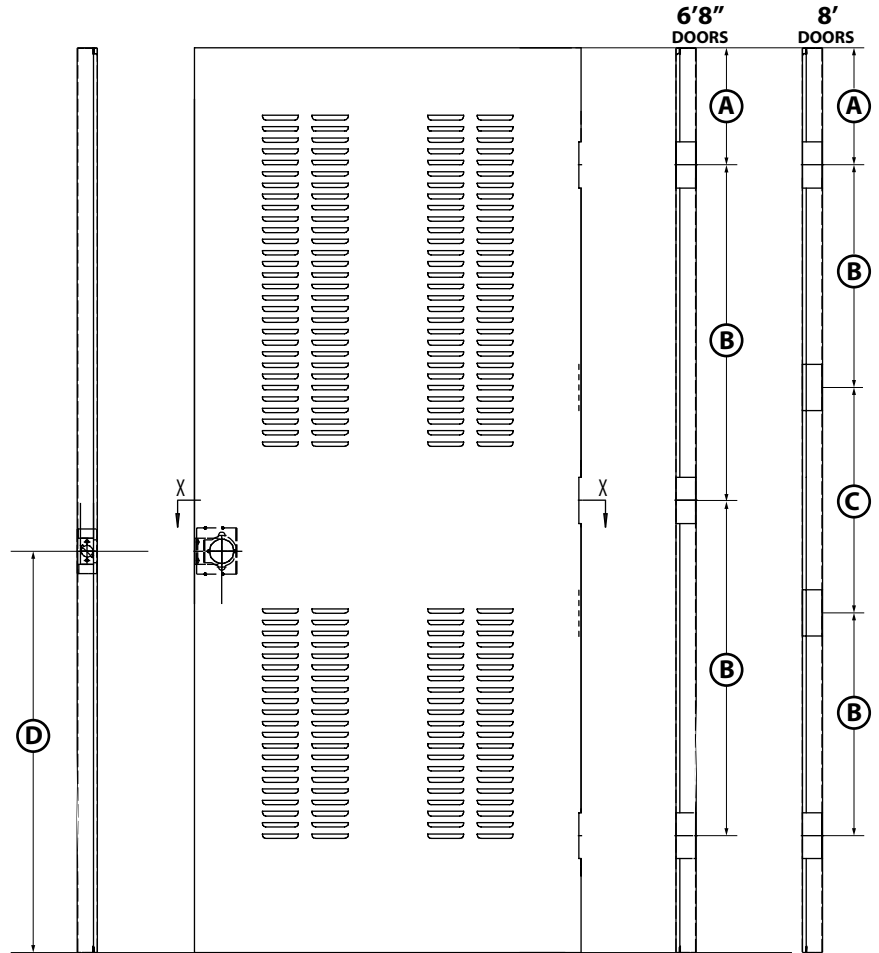
**Typical Hardware Preparations**



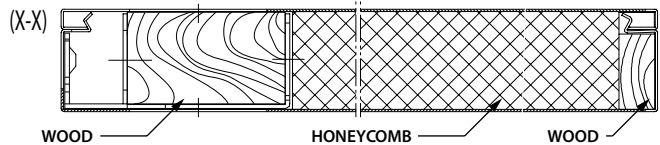
NON-HANDED HINGE



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



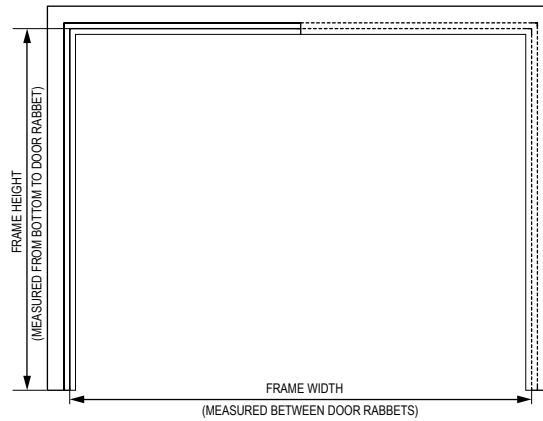
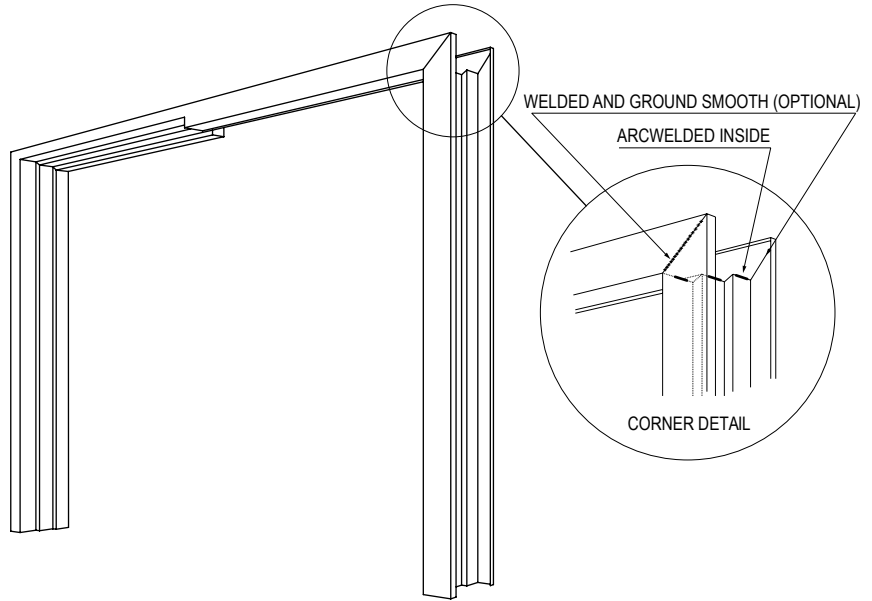
DOOR SIZE	A	B	C	D
6'8"	10.125"	29.75"	-----	35.125"
8'	10.125"	25.0"	25.5"	35.125"



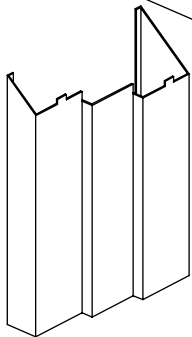
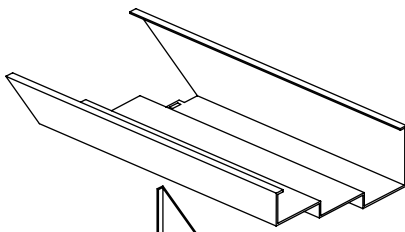
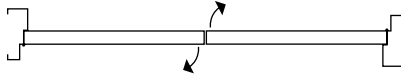


**Standard Features**

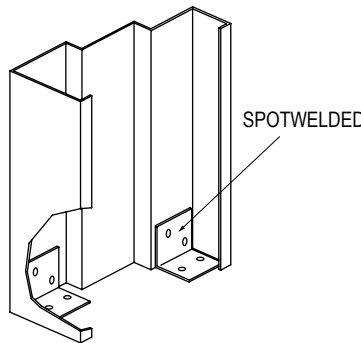
- ◆ 16-Gauge Cold Rolled Steel or A-40 Galvanized option
- ◆ Double Egress Profile
- ◆ Exact fit mitered corner
- ◆ 7-Gauge Hinge Reinforcement
- ◆ Standard / Heavy Duty Adjustment
- ◆ Floor Anchors in all jamb sides
- ◆ Wall anchors for Masonry, Wood Stud, Metal Stud and Strap Anchors
- ◆ 4-inch to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



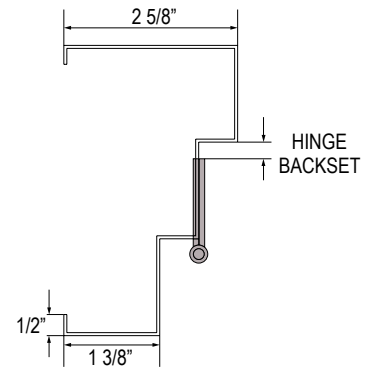
FRAMES PROVIDED RIGHT HAND EXCEPT AS NOTED



K-D CORNER DETAIL



FLOOR ANCHOR DETAIL

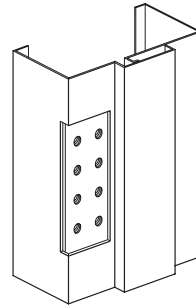




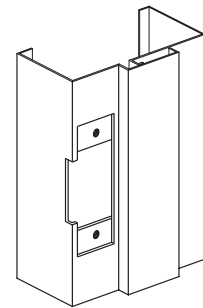
**Standard Features**

- ◆ 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 accommodate 4.75" to 7.875" 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**

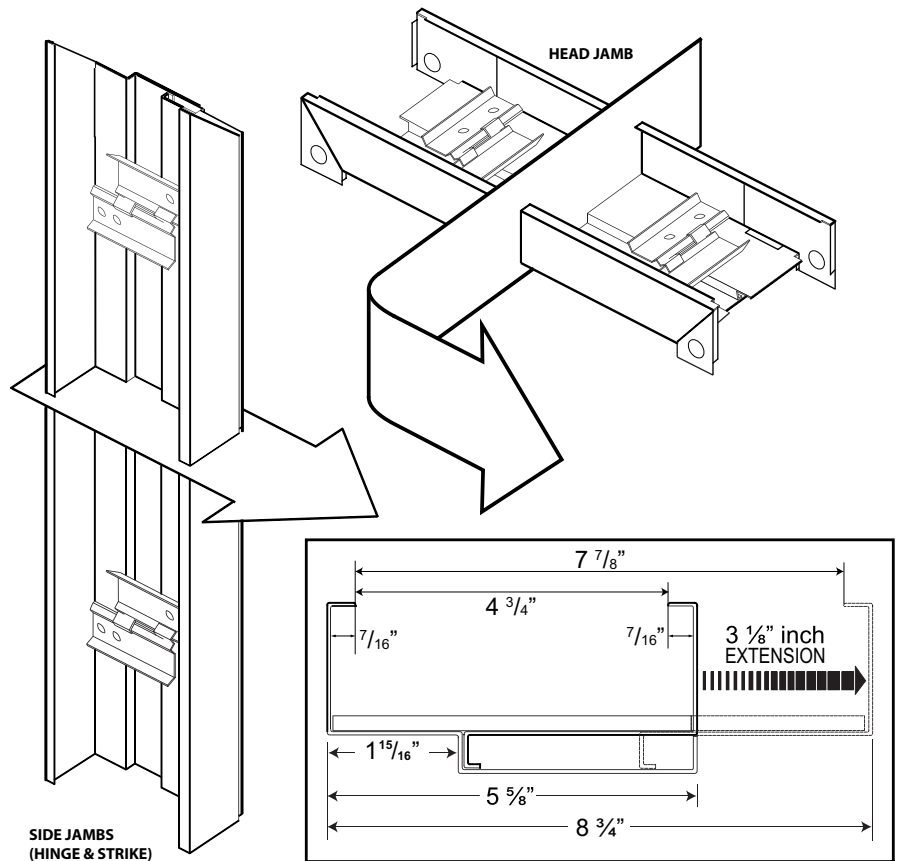


4-1/2" x 4-1/2"  
1-3/4" FRAME HINGE PREP



4-7/8" UNIVERSAL STRIKE

**Sections**

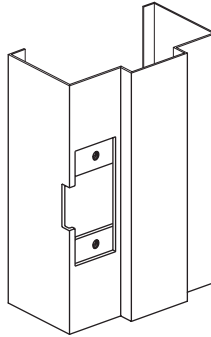




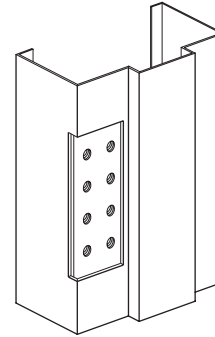
**Standard Features**

- ◆ 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

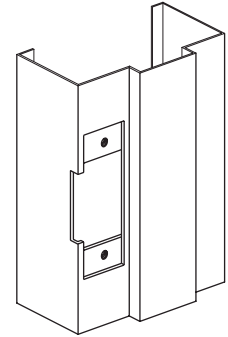
**Typical Hardware Preparations**



2-3/4" CYLINDRICAL STRIKE

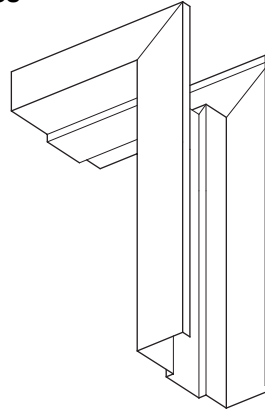


4-1/2" x 4-1/2"  
1-3/4" FRAME HINGE PREP

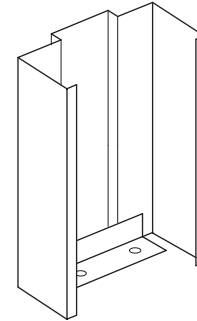


4-7/8" UNIVERSAL STRIKE

**Features**

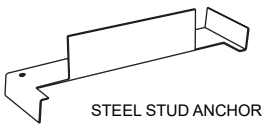


**WELDED CORNERS**  
Welded corners are tight fitting to provide a smooth seamless appearance

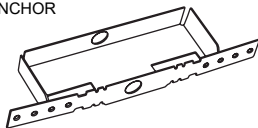


**FLOOR ANCHOR**  
18 Gauge floor anchors are standard in all masonry frames

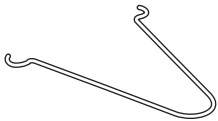
**Accessories**



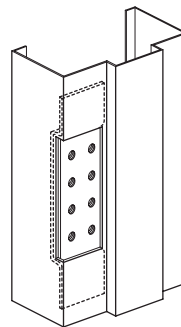
STEEL STUD ANCHOR



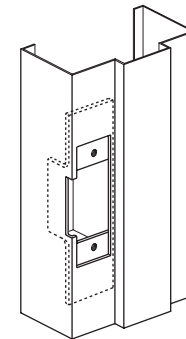
WOOD STUD ANCHOR



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

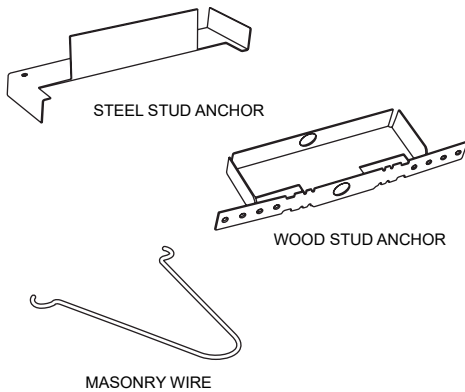




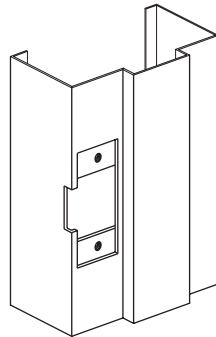
**Standard Features**

- ◆ 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

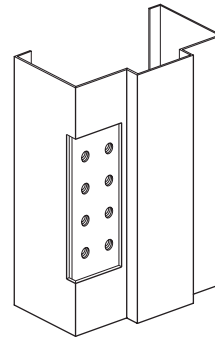
**Accessories**



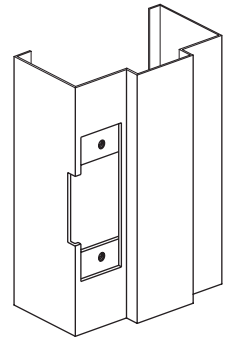
**Typical Hardware Preparations**



2-3/4" CYLINDRICAL STRIKE

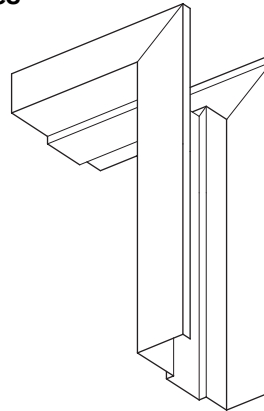


4-1/2" x 4-1/2"  
1-3/4" FRAME HINGE PREP

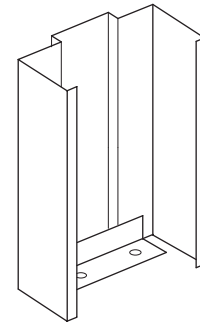


4-7/8" UNIVERSAL STRIKE

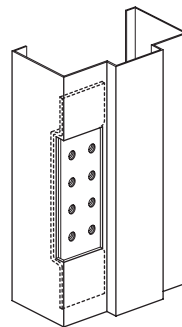
**Features**



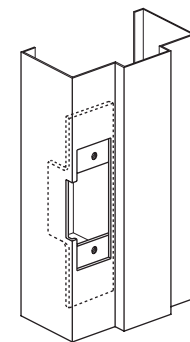
WELDED CORNERS  
Welded corners are tight fitting to provide a smooth seamless appearance



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



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

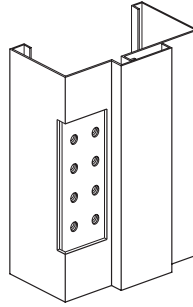




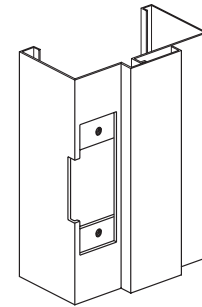
**Standard Features**

- ◆ 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 accommodate 4.625" to 7.75" 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**

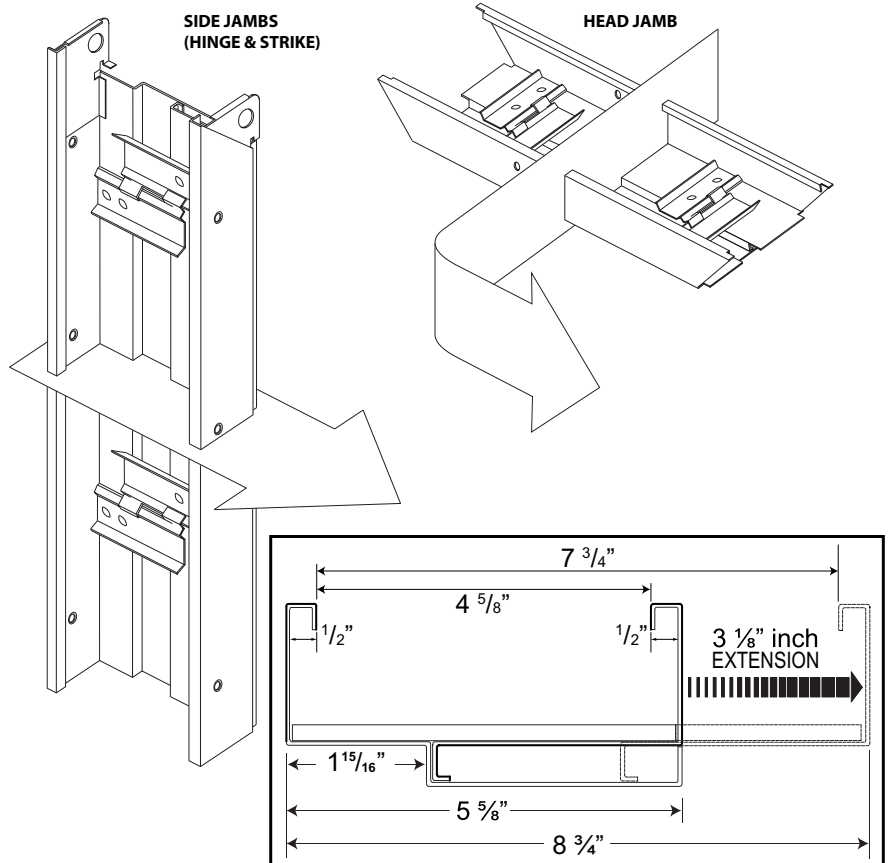


4-1/2" x 4-1/2"  
1-3/4" FRAME HINGE PREP



4-7/8" UNIVERSAL STRIKE

**Sections**

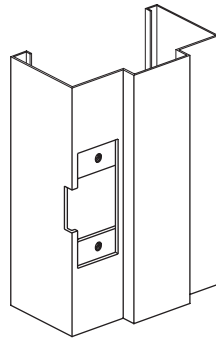




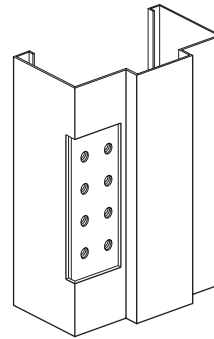
**Standard Features**

- ◆ 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
- ◆ Predrilled countersink holes

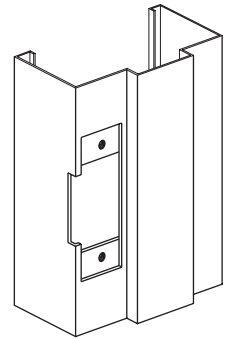
**Typical Hardware Preparations**



2-3/4" CYLINDRICAL STRIKE

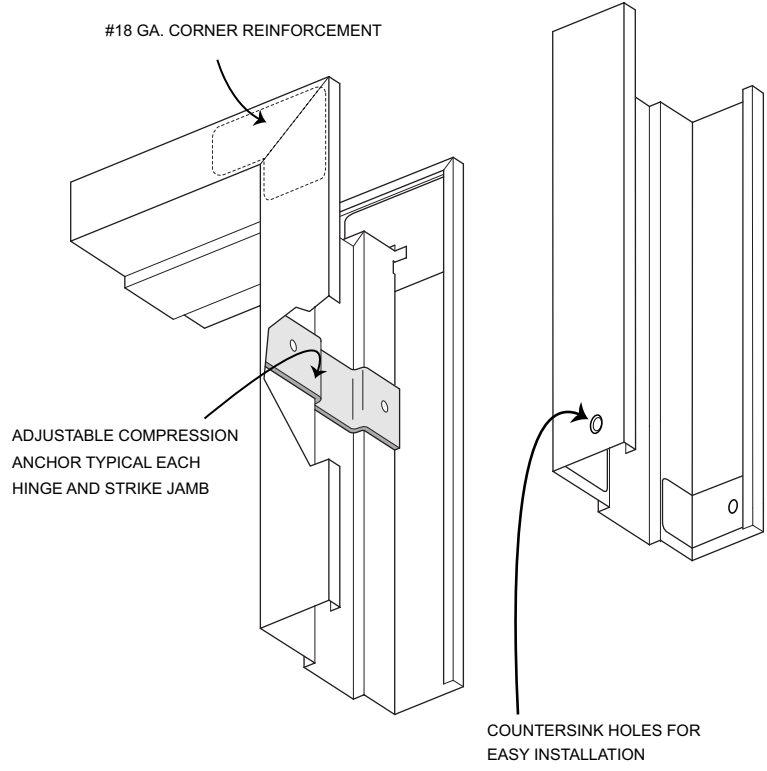


4-1/2" x 4-1/2"  
1-3/4" FRAME HINGE PREP

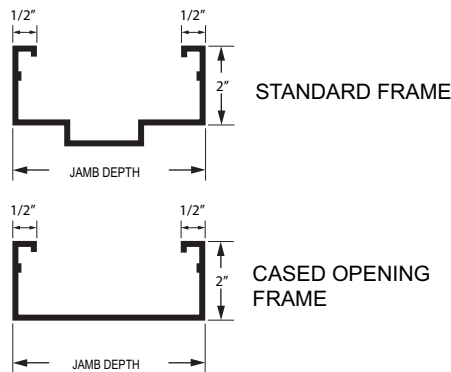


4-7/8" UNIVERSAL STRIKE

**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

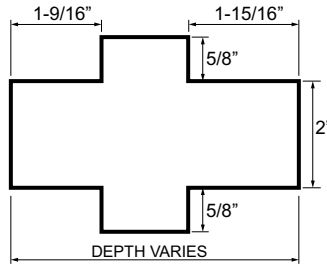
**8000 Series**

- ◆ 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

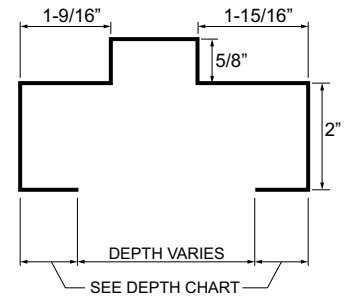
**7500 / 7800 Series**

- ◆ 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

**Mullions**

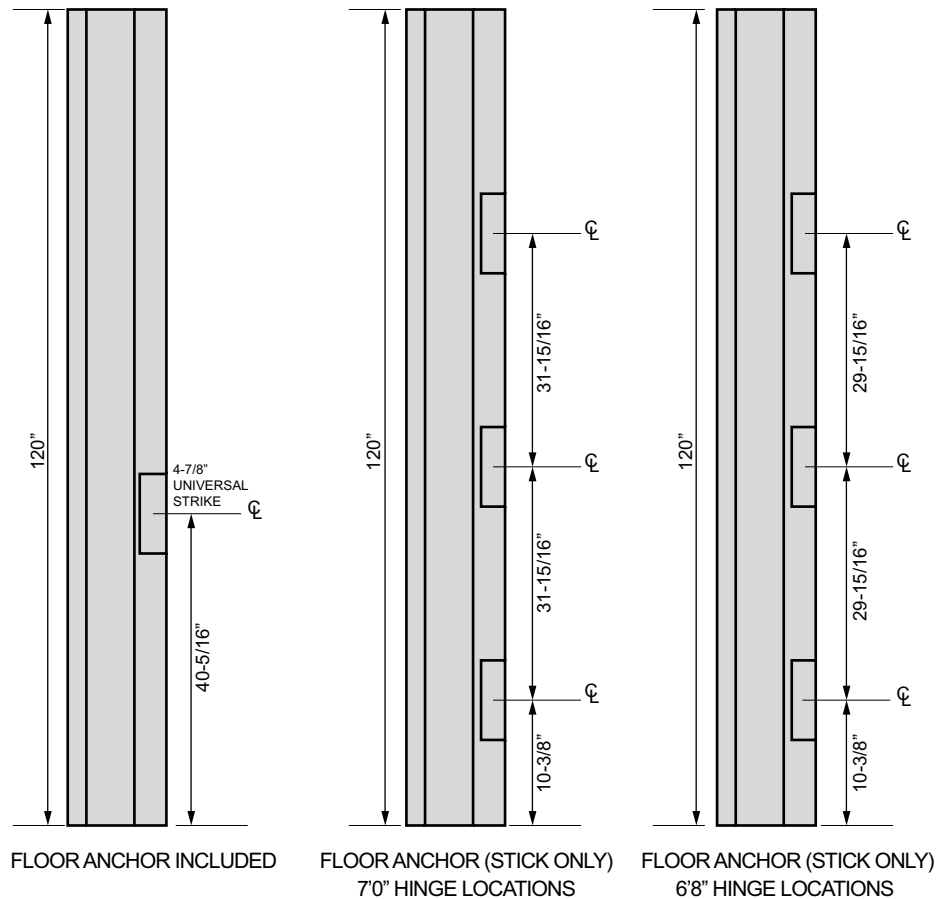


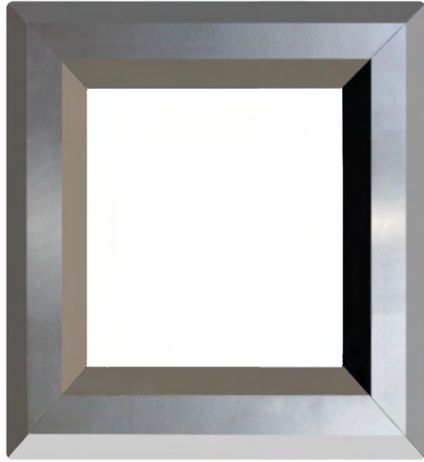
**Fab Sticks**



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

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 (2008), UL 10C (2009), CAN / ULC S104 (2010), NFPA 252 (2012) and CSI CODE 08 70 00 Hardware

**SPECIFICATIONS**

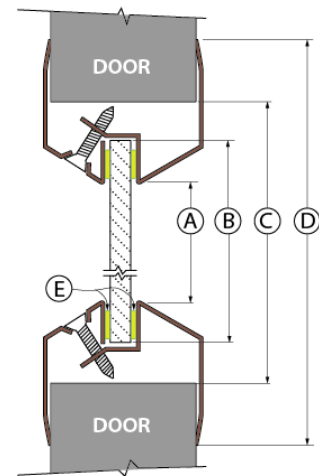
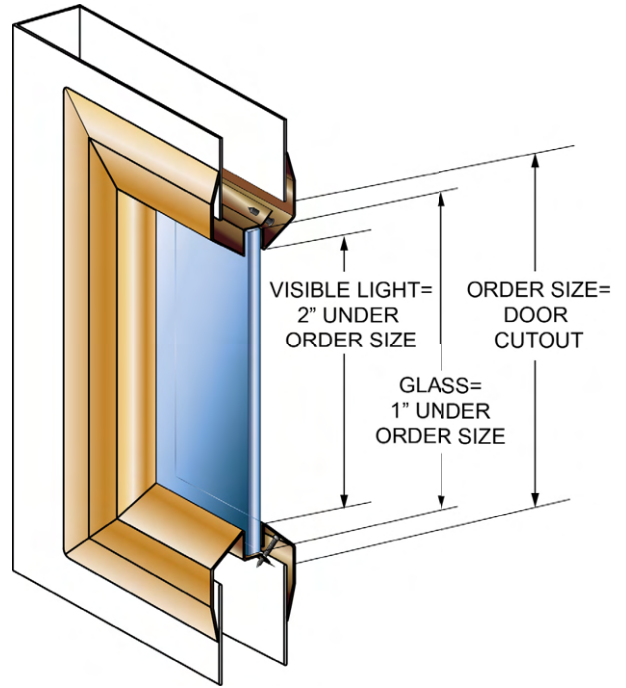
- Low Profile Beveled Vision Lite; 20 Gauge Cold Rolled Steel
- Mitered welded corners with counter sunk mounting holes
- Single side attaching with matching mounting screws included
- Designed for use with 1 3/4" doors only
- For use with 3/16" to 1/4" glass thickness
- Standard Color: Dark Bronze (DB)
- Also available in Grey, White, Sand, AMS Beige, SC Beige, Brass, Semi Gloss Black, Flat Black, and Silver
- Fastener: # 8 x 1/8" flathead phillips head SMS

**OPTIONS**

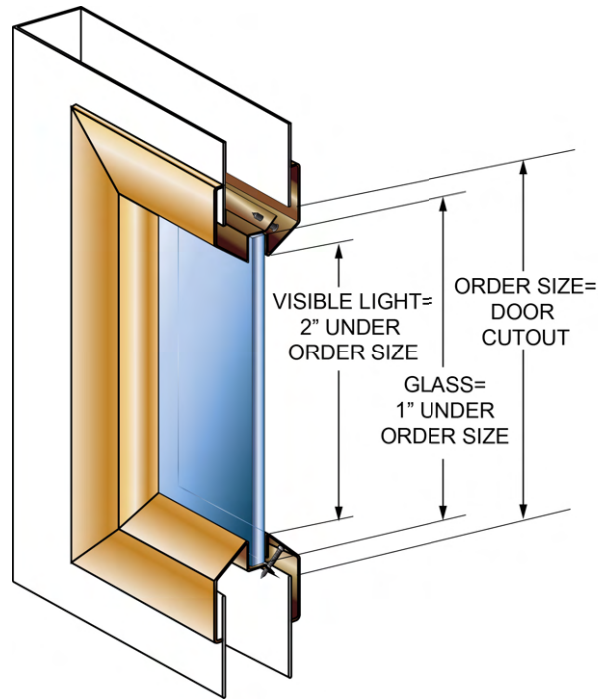
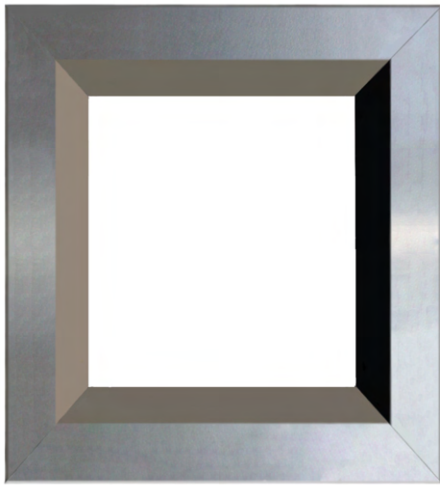
- Also available as a KIT or bundle which comes with the Frame, Glass and Glazing Tape
- Available glass types are Fire Rated:
  - 3/16" Pyran® Platinum F (PPF),
  - 1/4" 20-Min. Rated Tempered (TEMP20),
  - 1/4" PROTECT3™ Wired Safety (WS),
  - Non-Fire Rated 1/4" Tempered (TEMP).

**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
- Dimensions are written width (W) x height (H)
- Follow all door manufacturer's instructions for use and installation of all products.
- \* Refer to price list for list of fire rated sizes
- \* Custom sizes are available. See price list.



- (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 (2008), UL 10C (2009), CAN / ULC S104 (2010), NFPA 252 (2012) and CSI CODE 08 70 00 Hardware

**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
- Designed for use with 1 3/4" doors only
- For use with 3/16" to 1/4" glass thickness
- Standard Color: Dark Bronze (DB)
- Also available in Grey, White, Sand, AMS Beige, SC Beige, Brass, Semi Gloss Black, Flat Black, and Silver
- Fastener: # 8 x 1/8" flathead phillips head SMS

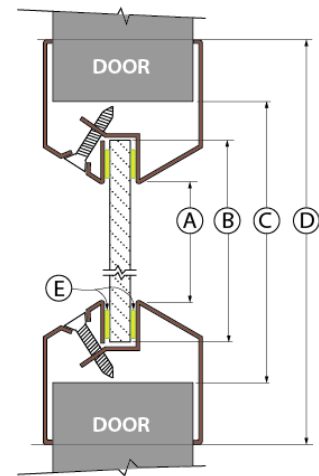
**OPTIONS**

- Also available as a KIT or bundle which comes with the Frame, Glass and Glazing Tape
- Available glass types are Fire Rated:  
 3/16" Pyran® Platinum F (PPF),  
 1/4" 20-Min. Rated Tempered (TEMP20),  
 1/4" PROTECT3™ Wired Safety (WS),  
 Non-Fire Rated 1/4" Tempered (TEMP).

**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
- Dimensions are written width (W) x height (H)
- Follow all door manufacturer's instructions for use and installation of all products.

\* Refer to price list for list of fire rated sizes  
 \* Custom sizes are available. See price list.

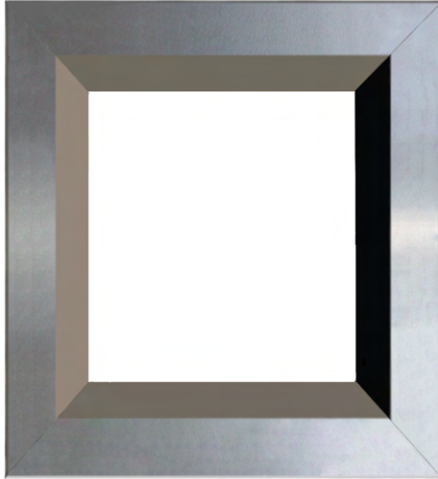


- (A) VISIBLE LIGHT = 2" UNDER ORDER SIZE
- (B) GLASS = 1" UNDER ORDER SIZE
- (C) ORDER SIZE = DOOR CUTOUT
- (D) 1-3/8" OVER ORDER SIZE
- (E) GLAZING TAPE



**STEEL DOOR & FRAME SYSTEMS, INC.**

**Vision Lite Standard Profile  
20-180 Minute Fire Rated  
10VL Series for 1" Glass**



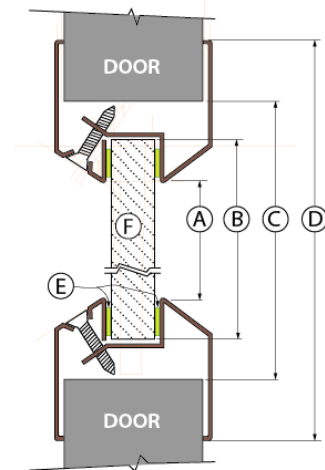
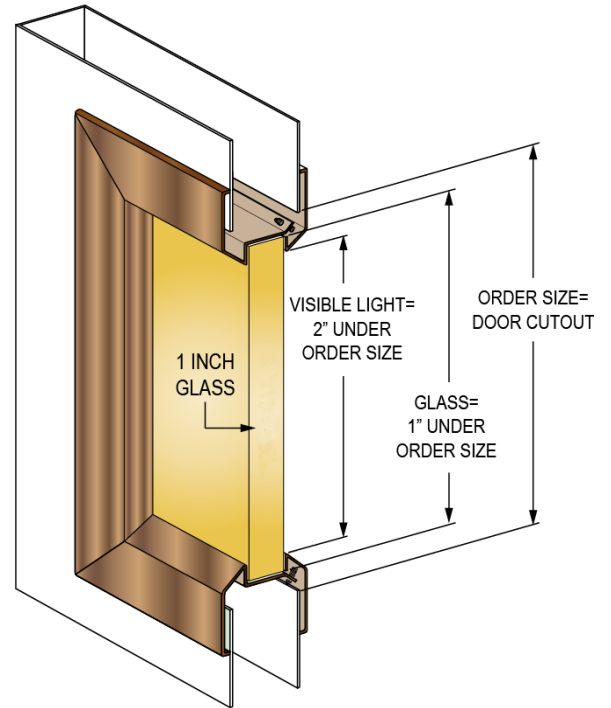
For use in fire rated door applications under positive and neutral pressure. Intertek testing certification in compliance to NFPA 252 (2008), UL 10C (2009), CAN / ULC S104 (2010), NFPA 252 (2012) and CSI CODE 08 70 00 Hardware

**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
- Designed for use with 1 3/4" doors only
- For use with 1" glass thickness
- Standard Color: Dark Bronze (DB)
- Also available in Grey, White, Sand, AMS Beige, SC Beige, Brass, Semi Gloss Black, Flat Black, and Silver
- 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
- Dimensions are written width (W) x height (H)
- Follow all door manufacturer's instructions for use and installation of all products.

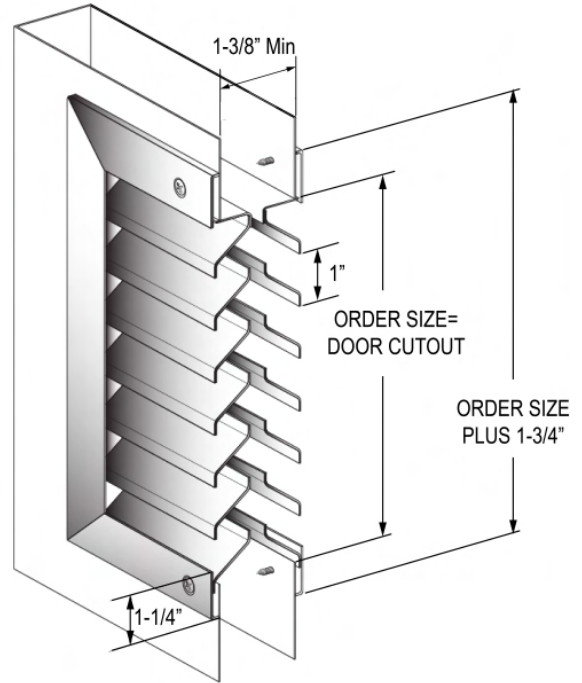
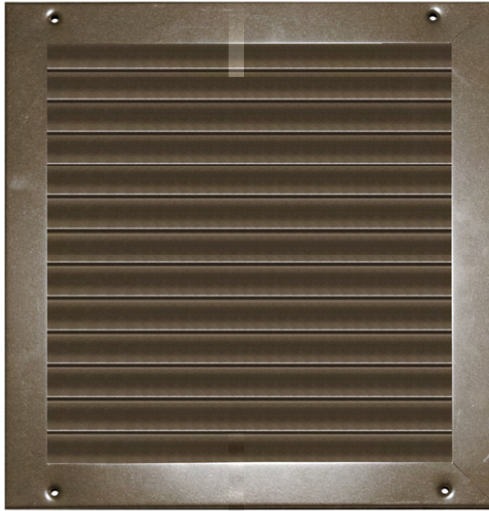


- (A) VISIBLE LIGHT = 2" UNDER ORDER SIZE
- (B) GLASS = 1" UNDER ORDER SIZE
- (C) ORDER SIZE = DOOR CUTOUT
- (D) 1-3/8" OVER ORDER SIZE
- (E) GLAZING TAPE
- (F) GLASS 1" THICK



STEEL DOOR & FRAME SYSTEMS, INC.

Divided Reverse "Y" Blade Louvers  
90 Minute Fire Rated  
YLV Series



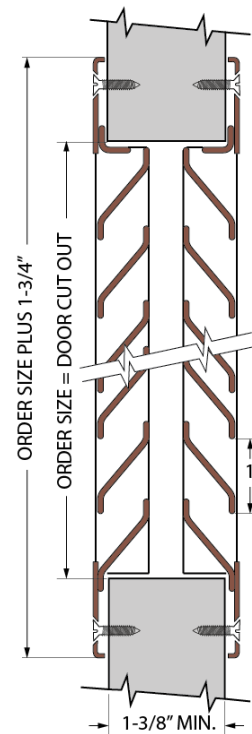
For use in fire rated door applications under positive and neutral pressure. Intertek testing certification in compliance to NFPA 252 (2008), UL 10C (2009), CAN / ULC S104 (2010), NFPA 252 (2012) and CSI CODE 08 90 00 Louvers and Vents

**SPECIFICATIONS**

- 18 Gauge cold rolled steel frame and 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 doors
- Minimum door size thickness 1 3/8"
- Baked on powder coat finish
- Standard Color: Dark Bronze (DB)
- Also available in Grey, White, Sand, AMS Beige, SC Beige, Brass, Semi Gloss Black, Flat Black, and Silver
- Free Flow Area: 50% free area
- Fasteners: Phillips pan head screw # 8 x 3/4"

**NOTES**

- Order size is equal to opening size
- Dimensions are written width (W) x height (H)
- Follow all door manufacturer's instructions for use and installation of all louver products
- Optional Insect screen available
- \* Refer to price list for list of fire rated sizes





**STEEL DOOR & FRAME SYSTEMS, INC.**

## Inverted "Y" Blade Louvers 90 Minute Fire Rated VLV Series



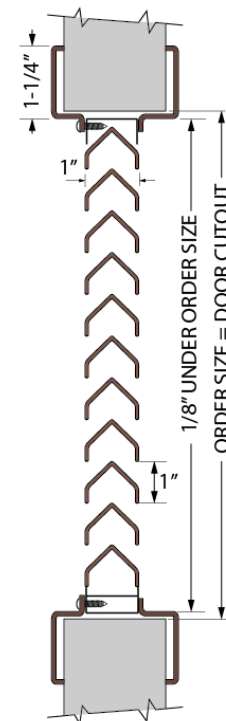
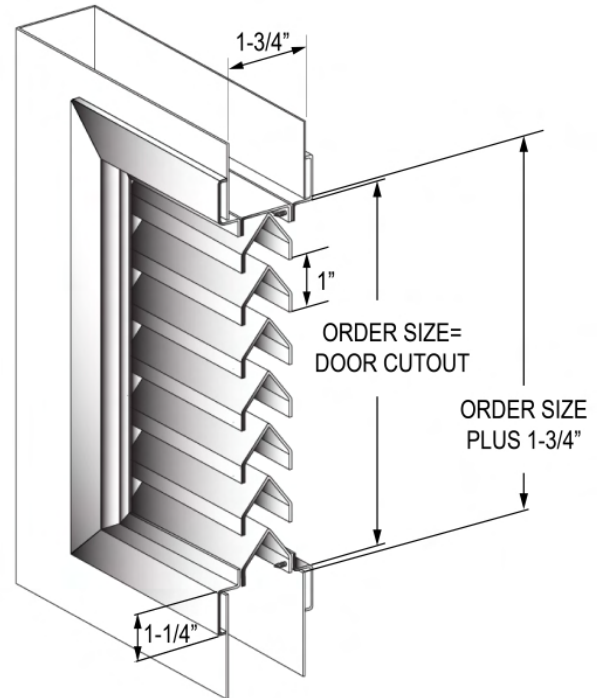
For use in fire rated door applications under positive and neutral pressure. Intertek testing certification in compliance to NFPA 252 (2008), UL 10C (2009), CAN / ULC S104 (2010), NFPA 252 (2012) and CSI CODE 08 90 00 Louvers and Vents

### SPECIFICATIONS

- 18 Gauge cold rolled steel frame and blades
- Mitered welded corner frame construction
- Reverse "Y" blades are frame supported 1" increments, with blocked vision design
- Single side mounting for non-corridor exposure with fastening screws included
- Designed for use on 1 3/4" doors only
- Baked on powder coat finish
- Standard Color: Dark Bronze (DB)
- Also available in Grey, White, Sand, AMS Beige, SC Beige, Brass, Semi Gloss Black, Flat Black, and Silver
- Free Flow Area: 50% free area
- Fasteners: Phillips pan head screw # 8 x 3/4"

### NOTES

- Order size is equal to opening size
- Dimensions are written width (W) x height (H)
- Follow all door manufacturer's instructions for use and installation of all louver products
- Optional Insect screen available
- \* Refer to price list for list of fire rated sizes





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. WHI Listing Mark with a 90 Minute Fire Rating is stamped on the frame of the louvers. 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

- 16 Gauge CRS Frame & Louver Blades
- Designed for use on 1 3/4" Doors only
- Fasteners: 3 x 3/4" LG & 1 x 1/2" LG
- Standard Color: Dark Bronze (DB)
- Also available in Grey, White, Sand, AMS Beige, SC Beige, Brass, Semi Gloss Black, Flat Black, and Silver
- Free Flow Area: 45% free area

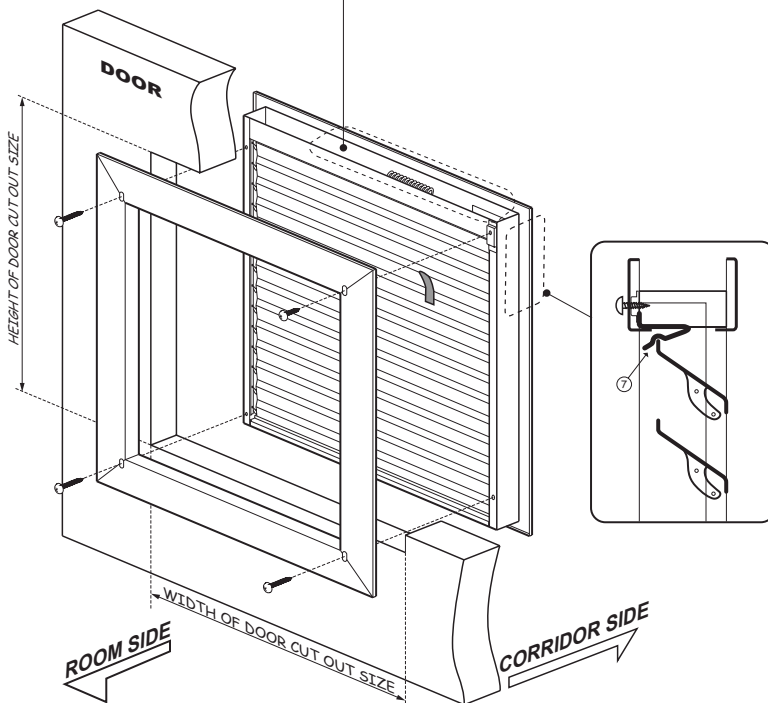
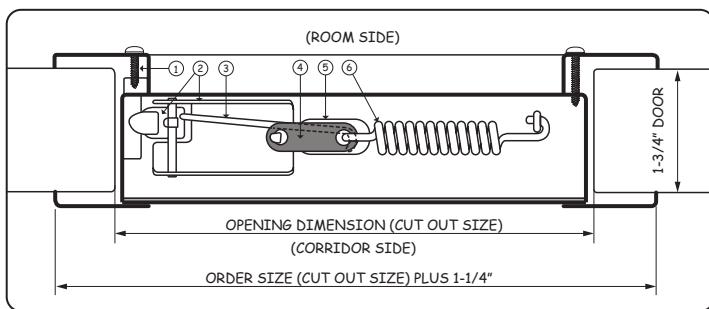
#### CONSTRUCTION

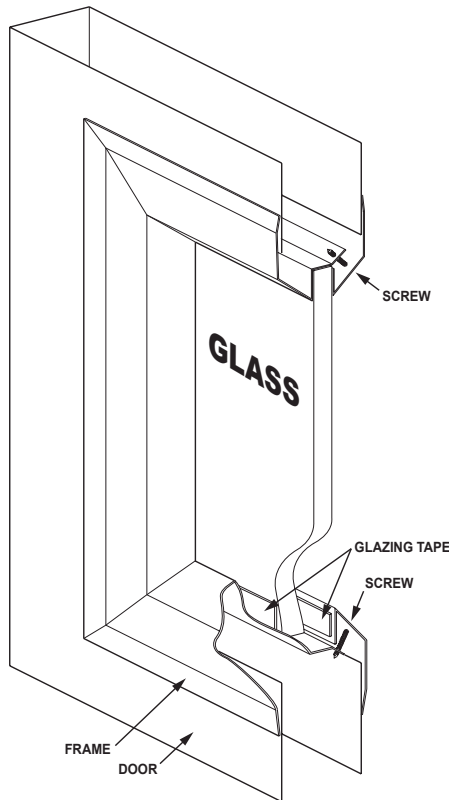
- Welded & mitered corners
- Adjustable blades of 16-gauge CRS
- Cadmium plated steel rivets & tension spring
- 1 9/16" deep louver assembly

#### NOTES

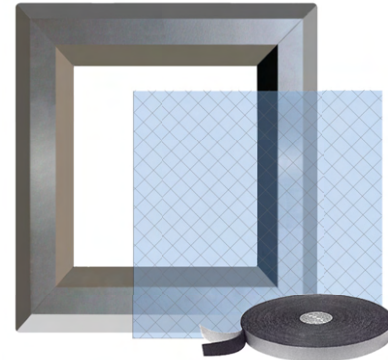
- Optional Insect screen available
- Dimensions are written Width (W) x Height (H)

- 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

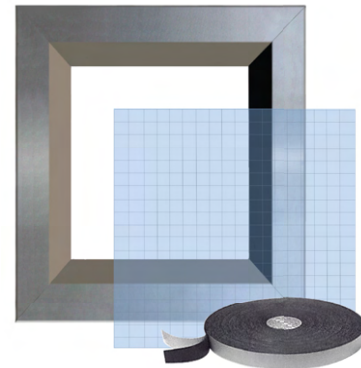




**Intertek**



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 (2008), UL 10C (2009), CAN / ULC S104 (2010), NFPA 252 (2012) and CSI CODE 08 70 00 Hardware

**FRAME SPECIFICATIONS**

- Standard and Low Profile Beveled Vision Lites
- 20 Gauge Cold Rolled Steel
- Mitered welded corners with counter sunk mounting holes
- Single side attaching with matching mounting screws included
- Designed for use with 1 3/4" doors only
- For use with 3/16" to 1/4" glass thickness
- Color: Standard Dark Bronze, Grey, White, Sand, AMS Beige, SC Beige, Brass, Semi Gloss Black, Flat Black, and Silver
- 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**

**PPF** (PYRAN ® PLATINUM F) : Fire-Rated up to 90 minutes (180 minutes in doors) with required hose stream test. UL labeled standard, 3/16" thick glass ceramic. Surface applied heavy duty safety film. Install in fire listed and labeled vision lite frames.

Minimum size: 4" x 6"; Maximum sheet size: 51" x 99"

**WS** (PROTECT3™ Wired Safety) : Fire-Rated up to 90 minutes with hose stream. UL labeled standard. 1/4" wired glass with safety film.

Minimum size: 4" x 4"; Maximum sheet size: 48" x 96"

**TEMP20** (Tempered 20-Min. Rated) : Clear wire-free, fire rated and impact safety rated glass for 20 minute fire doors. 1/4" Tempered glass for safety and security.

Minimum size: 4" x 4"; Maximum sheet size: 36" x 89"

**TEMP** (Tempered) : 1/4" Clear wire free glass, non-fire rated. Heat treated clear safety glass that breaks into small particles. Glass cannot be cut after manufacturing.

Minimum size: 2" x 2"; Maximum sheet size: 87" x 117"



**Pyran (PPF)**

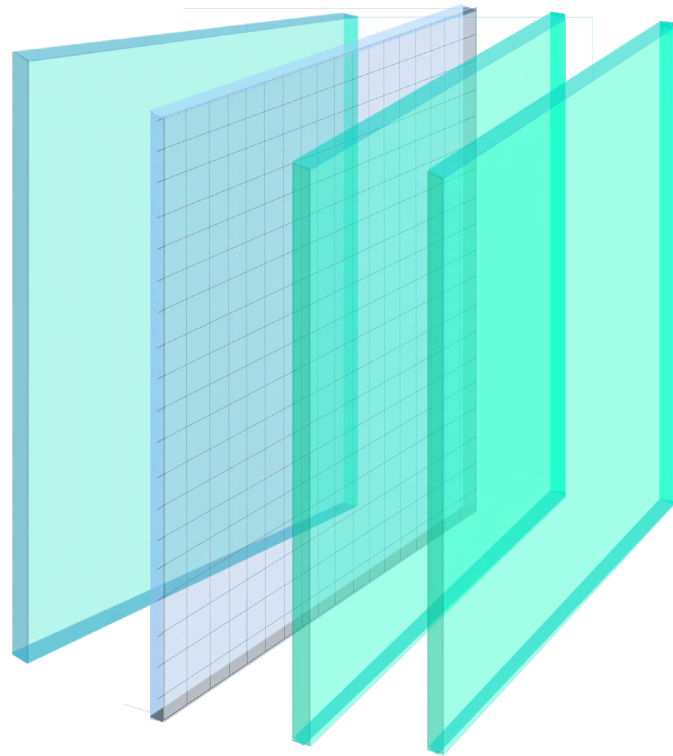
- ( PYRAN® PLATINUM F, Fire & Safety Rated )
- Fire-Rated up to 90 minutes (180 minutes in doors) with required hose stream test
- Fire and Safety-Rated Glass Impact / Safety Rated to ANSI Z97.1 and CPSC 16CFR1201 CAT II
- Thickness: 3/16" (5mm). Weight: 2.6 lbs / ft<sup>2</sup>
- UL labeled standard, 3/16" thick glass ceramic.
- Surface applied heavy duty safety film. Install in fire listed and labeled vision lite frames.
- Light transmission: 80% approx.
- Minimum size: 4" x 6"
- Maximum sheet size: 51" x 99"

**WireShield (WS)**

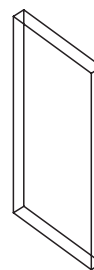
- ( PROTECT3™ Wired Safety Glass, Fire-Rated )
- Fire-Rated up to 90 minutes with hose stream
- UL classified and UL labeled
- Impact-Safety rated to ANSI Z97.1 and CPSC 16CFR1201, CAT I and II
- Passes 400 ft-lb impact tests
- Annealed single glazing with safety film applied to one side
- Passes air blast testing - minimum Level 3 @ 4.0PSI
- Embedded 3/4" x 3/4" wire mesh
- Light Transmission: 86% approx
- Thickness: 1/4" (6 mm)
- Minimum size: 4" x 4"
- Maximum sheet size: 48" x 96"

**TEMP20**

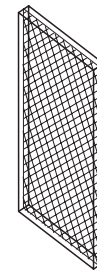
- Clear wire-free, fire rated and impact safety rated glass for 20 minute fire doors.
- Impact safety rated to ANSI Z97.1 and CPSC 16 CFR1201 (Cat I and II).
- Meets NFPA 80 requirements for certification and labeling.
- Tempered glass for safety and security.
- Thickness: 1/4" (6mm)
- Light transmission: 90% approx.
- Minimum size: 4" x 4"
- Maximum sheet size: 36" x 89"
- Can be used in standard fire rated doors of same rating.



PYRAN



TEMP20



WIRESHIELD



TEMPERED

**Tempered Glass (TEMP)**

- Clear wire free glass recommended for non-fire rated applications
- Heat treated clear safety glass that breaks into small particles. Glass cannot be cut after manufacturing.
- Thickness: 1/4" (6mm)
- Light transmission: 90% approx
- Minimum size: 2" x 2"
- Maximum sheet size: 87" x 117"
- Fire Rating: Non-Fire Rated