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18 GA. (1.2) TOP END CHANNEL

POLYSTYRENE CORE

16 GA. (1.4) LOCK CHANNEL (WITH 1/2" (12.7) LEG LENGTH)

FACE SKINS BONDED TO CORE

20 GA. (0.9) & 18 GA. (1.2) SKINS (C.R.S. ONLY)

18 GA. (1.2) BOTTOM END CHANNEL

Experience a safer and more open world
607 Door Specifications
Door Technical Data

March, 2011

NOTES:
THICKNESS: 1-3/4" (44.5) ONLY!
HANDING: Non-handed only. (square edges)
EDGE: “S” type only.
WIDTH: 2’0" (609.2) to 4’0" (1219.2), standard size increments only.
HEIGHT: 6’8" (2032), 7’0" (2133.6), 7’2" (2184.4), and 8’0" (2438.4) only
DOOR CLEARANCES: Standard – 1/8" (3.1) top, 3/8" (9.5) and 5/8" (15.8) bottom, 3/32" (2.3) hinge edge, 1/8" (3.1) lock edge.

HARDWARE PREPARATIONS:
Locks: Cylindrical – G2, G2B, G2EO
Cylindrical deadlock – G16
Mortise – G3, G3EO (edge only), G3AE (edge only), G3ARO (reinforce only).
Strikes: E1B (Cut lip on strike in field)
Flushbolt: H1, H1HO
Surface Bolt: SB
Push-Pull Reinf: G18
Hinges: 4-1/2" (114.3) x 4-1/2" (114.3) x .134" (3.4) Thickness and .180" heavy weight – 1/4” (6.3) backset.
Panic Devices: G11 (rim exit), G11A (surface vertical rod), both reinforce only.
Closer: CL
GLASS KITS: Flush doors only.
ASTRAGALS: Not available factory installed - field installation only.
Hinge and lock locations are SDI manufacturers standard locations.

Steel Top/Bottom Filler Cap

(Optional)
20 GA. (.9) Galvanealed

COUNTERSINK #6–20
SELF TAPPING SCREW.

SCREW APPLIED
CAP NOTCHED AT BOTH ENDS TO FIT HINGE AND LOCK CHANNELS.

END VIEW

Hinge Edge

DOOR SKIN MORTISED FOR HEAVY WEIGHT NONHANDED 4-1/2" (114.3) HINGE

18 GA. (1.2) HINGE FILLER HOLE PATTERN Sized for 4-1/2" (114.3) HINGE PROVIDED WITH DOOR

Experience a safer and more open world
14 GA. (1.9)
CLOSER REINFORCEMENT CHANNEL
(OPTIONAL)

16 GA. (1.4)
TOP END CHANNEL

POLYSTYRENE CORE
URETHANE (OPTIONAL)

14 GA. (1.9)
LOCK CHANNEL

LOCK PREPARATION
AS REQUIRED

14 GA. (1.9)
STANDARD
HINGE CHANNEL
12 GA. (2.6) SPECIAL ORDER

16 GA. (1.4)
BOTTOM END CHANNEL

20 GA. (0.9) - 14 GA. (1.9)
FACE SKINS
BONDED TO CORE

NOTE: SEE PAGE 162 FOR HONEYCOMB OPTION

3/8" AND 5/8" (15.8) UNDERCUT ONLY!

February, 2010
250°F Temperature Rise Rating
450°F Temperature Rise Rating

14 GA. (1.9)
CLOSER REINFORCEMENT CHANNEL
(OPTIONAL)

12 GA. (2.6)
TOP END CHANNEL

12 GA. (2.6)
STANDARD HINGE CHANNEL

14 GA. (1.9)
LOCK CHANNEL

LOCK PREPARATION
AS REQUIRED

18 GA. (1.2) AND 16 GA. (1.4)
FACE SKINS
BONDED TO CORE

16 GA. (1.4)
BOTTOM END CHANNEL

12 GA. (2.6) STANDARD
HINGE CHANNEL

TEMPERATURE RISE
COREBOARD
A STEEL STIFFENED DOOR DESIGN IS AVAILABLE WITH A 450˚ TEMPERATURE RISE FIRE RATING ON PAGE 169.
Hinge Channel Reinforcement
Door Technical Data

April, 2002

HANDED - A BEVEL “ULTIMA”
CONTINUOUS HINGE CHANNEL
14 GA. (1.9) STANDARD
12 GA. (2.6) SPECIAL ORDER - STANDARD AS NOTED PER DOOR SERIES
4-1/2” HINGE ONLY ULTIMA SHIM STANDARD FOR 4-1/2” HINGE STANDARD AND HEAVYWEIGHT

NON HANDED - B BEVEL - “ULTIMA”
CONTINUOUS HINGE CHANNEL
14 GA. (1.9) STANDARD
12 GA. (2.6) SPECIAL ORDER - STANDARD AS NOTED PER DOOR SERIES

SCREW HOLES ARE EXTRUDED TO PROVIDE THREAD DEPTH EQUAL TO 10 GA. (3.4) PLATE
(14 GA. (1.9))
3/16” (4.8) PLATE (12 GA. (2.6))

HINGE PREPARATIONS OTHER THAN 4-1/2” ARE SIZE AND TAP PER TEMPLATE.
Over Mortise and Double Mortise Hinges on Doors

Door Technical Data

April, 2002

- .268 (6.8) DEEP
  - HINGES SURFACE APPLIED TO FRAME

- .226 (5.7) DEEP
  - STANDARD MORTISE IN FRAME .134 (3.4)

- .360 (9.1) DEEP
  - HINGES SURFACE APPLIED TO FRAME

- .292 (7.4) DEEP
  - HINGES SURFACE APPLIED TO FRAME

- .234 (5.9) DEEP
  - STANDARD MORTISE IN FRAME .146 (3.7)

- .380 (9.7) DEEP
  - HINGES SURFACE APPLIED TO FRAME

4-1/2” (114.3) STANDARD WEIGHT (.134) (3.4)
  DOUBLE MORTISE
  HINGES
  S.D.M.

4-1/2” (114.3) HEAVY WEIGHT (.180) (4.6)
  OVER MORTISE
  HINGES
  H.O.M.

4-1/2” (114.3) HEAVY WEIGHT (.180) (4.6)
  DOUBLE MORTISE
  HINGES
  H.D.M.

5” (127) STANDARD WEIGHT (.146) (3.7)
  DOUBLE MORTISE
  HINGES
  S.D.M.

5” (127) HEAVY WEIGHT (.190) (4.8)
  OVER MORTISE
  HINGES
  H.O.M.

5” (127) HEAVY WEIGHT (.190) (4.8)
  DOUBLE MORTISE
  HINGES
  H.D.M.

NOTE: ULTIMA 4-1/2” (114.3) HINGE GIVES THE OPTION OF STANDARD OR HEAVY WEIGHT.
INSULATION BETWEEN RIBS 1 LB. (.45) DENSITY

LOCK PREPARATION AS REQUIRED

FACE SHEETS (STANDARD)
14 GA. (1.9)

RIBS, SPOT WELDED TO EACH SKIN AT 4” (102) MAX. SPACING 18 GA. (1.2) AND WELDED FULL WIDTH ON ENDS.

RIBS WELDED TOGETHER AT ENDS

12 GA. (2.6) HINGE CHANNEL REINFORCING
1/8” IN 2” BEVEL:
(3.2) IN (50.8)

CLOSER REINFORCEMENT (OPTIONAL)
12 GA. (2.6)

TOP AND BOTTOM END CHANNEL
16 GA. (1.4)

INSULATION BETWEEN RIBS 1 LB. (.45) DENSITY

LOCK CHANNEL REINFORCING
14 GA. (1.9)
1/8” IN 2” BEVEL
(3.2) IN (50.5)

1/8” IN 2” BEVEL
(3.2) IN (50.8)
14 GA. (1.9) FACE SHEET

RIBS WELDED TO FACE SHEETS
4" (101.6) ON CENTER MAX.
18 GA. (1.2) RIBS STANDARD.

14 GA. (1.9) LOCK CHANNEL

NOTE: RIBS ARE WELDED TOGETHER FULL WIDTH ON ENDS OF RIB.

12 GA. (2.6) HINGE CHANNEL EXTRUDED AND TAPPED FOR HINGES

1-3/4" (44.5)
847 Security Door Hinge Channel Reinforcement
Door Technical Data

April, 2002

CONTINUOUS HINGE CHANNEL
12 GA. (2.6)

HOLE FOR PRISON SAFETY FEATURE (PSF)
STUD (OPTIONAL)

EXTRUDED TO PROVIDE THREAD DEPTH EQUIVALENT TO 3/16" (4.8) PLATE

(STD) TAP 12-24
(OPTIONAL) TAP 1/4-20

SIZE AND TAP PER TEMPLATE

1/4" (25.6)

1-3/4" (44.5)
STANDARD HINGE BACKSET
“G” BEVEL DOOR SHOWN

1-15/16" (49.3)
1/16" (1.6) CLEARANCE
1/4" (6.4)
1-3/4" (44.5)
1/8" (3.2) REVEAL

STRIKE LOCATIONS

A = DEADLOCK STRIKE HEIGHT
B = HOSPITAL LATCH STRIKE AND
PUSH PLATE HEIGHT
C = PUSH BAR AND PULL
D = STRIKE HEIGHT

Experience a safer
and more open world
16 GA. (1.4) STANDARD

NOTCHED AT BOTH ENDS TO FIT HINGE AND LOCK CHANNELS.

WELDED (STANDARD)

ARC WELDS

FILL AND FINISH SMOOTH. (OPTIONAL)
2" DOOR

12 GA. (2.6) HINGE CHANNEL REINFORCING 1/8" IN 2" BEVEL 
(3.2) IN (50.8)

CLOSER REINFORCEMENT (OPTIONAL) 12 GA. (2.6).

TOP AND BOTTOM END CHANNEL
14 GA. (1.9)

INSULATION BETWEEN RIBS
1 LB. (.45)

LOCK CHANNEL REINFORCING
14 GA. (1.9)
1/8" IN 2" BEVEL 
(3.2) IN (50.5)

LOCK PREPARATION
AS REQUIRED

RIBS, SPOT WELDED TO EACH SKIN ON 
4" (101.6) CENTERS AND FULL WIDTH ON ENDS. 
18 GA. (1.2)

FACE SHEETS (STANDARD) 
14 GA. (1.9)

RIBS WELDED TOGETHER AT ENDS
2" DOOR

NOTE: RIBS ARE WELDED FULL WIDTH ON ENDS

14 GA. (1.9) FACE SKINS

12 GA. HINGE CHANNEL PUNCHED AND PIERCED

RIBS WELDED TO FACE SHEETS 4" (101.6) ON CENTER MAX
18 GA. (1.2) RIBS STANDARD

14 GA. (1.9) LOCK CHANNEL
CONTINUOUS HINGE CHANNEL
12 GA. (2.6)

HOLE FOR PRISON SAFETY FEATURE (PSF) STUD (OPTIONAL)

EXTRUDED TO PROVIDE THREAD DEPTH EQUIVALENT TO 3/16" (4.8) PLATE

(STD) TAP 12-24 (OPTIONAL) TAP 1/4-20

1/2" (12.7)

2" (50.8)
STANDARD HINGE BACKSET

2” DOOR

“G” BEVEL DOOR SHOWN

STRIKE LOCATIONS

2” DOOR

A = DEADLOCK STRIKE HEIGHT
B = HOSPITAL LATCH STRIKE AND
PUSH PLATE HEIGHT
C = PUSH BAR AND PULL
D = STRIKE HEIGHT

Experience a safer and more open world
2" DOOR

16 GA. (1.4) STANDARD

CAP NOTCHED AT BOTH ENDS TO FIT HINGE AND LOCK CHANNELS.

WELDED (STANDARD)

ARC WELDS

FILL AND FINISH SMOOTH. (OPTIONAL)

2" (50.8)
NOTE: DOOR SIZE REQUIREMENTS DETERMINED BY HINGE MANUFACTURERS TEMPLATES AND MOUNTING INSTALLATION.

CONTINUOUS GEAR HINGE APPLICATIONS (CLEARANCE VARIES PER MANUFACTURER)

CLEARANCE: 11/32" (8.7) PLUS STANDARD LOCKSIDE CLEARANCE

CLEARANCE: NONE REQUIRED
1-5/8" (41.3) MINIMUM FRAME FACE REQUIRED PLUS 3/16" (4.8) ROTATIONAL CLEARANCE

CONTINUOUS LOCK CHANNEL

FULL HEIGHT OF DOOR

12 GA. (2.6) CONTINUOUS HINGE CHANNEL

4-1/8" (104.8)

USE FOR SURFACE APPLIED BUTT AND CONTINUOUS HINGES WITHOUT THE NEED FOR THRU-BOLTS.
12 GA. (2.6) CONTINUOUS HINGE CHANNEL

EXTRUDED AND TAPPED PER TEMPLATE
SCREW HOLES ARE EXTRUDED TO PROVIDE THREAD DEPTH EQUAL TO 3/16" (4.8)
Door Top and Bottom Pivot Preparation “D” Bevel

Door Technical Data

April, 2002

"D" BEVEL CONTINUOUS CHANNEL

TOP PIVOT
SIZE AND TAP PER TEMPLATE

7 GA. (4.5) REINFORCEMENT

BOTTOM PIVOT
SIZE AND TAP PER TEMPLATE

"D" BEVEL CONTINUOUS CHANNEL
NOTE: CURRIES PIVOT LOCATIONS ARE EQUALLY SPACED.

“D” BEVEL CONTINUOUS CHANNEL

7 GA. (4.5) REINFORCEMENT PER PIVOT

PER TEMPLATE

SIZE AND TAP PER TEMPLATE

1-1/8" (34.9)

10" (254)
Doors ordered for other than CURRIES locations will get the standard undercut of the specified manufacturer.

*NOTE: The 5/8" (15.9) standard bottom undercut shown on the above drawings are for 1-3/4" (44.5) doors, 1-3/8" doors have a 3/4" (19.1) standard bottom undercut.

*NOTE: E code (double opening) doors are oversize 1/16" from standard for double egress.
Doors ordered for other than CURRIES locations will get the standard undercut of the specified manufacturer.

**2" DOOR**

**SINGLE**

- **NOMINAL HEIGHT**
  - 5/8" (15.9) STD. UNDERCUT

- **NET DOOR HEIGHT**
  - 1/8" (3.2)

**PAIR**

- **NOMINAL HEIGHT**
  - 5/8" (15.9) STD. UNDERCUT

- **NET DOOR HEIGHT**
  - 1/8" (3.2)

**WITHOUT ASTRAGAL**

- **NET DOOR WIDTH**
  - 3/32" (2.9)

- **NOMINAL OPENING WIDTH**
  - 3/16" (4.8)

**WITH "Z" ASTRAGAL**

- **NET DOOR WIDTH**
  - 3/32" (2.9)

- **NOMINAL OPENING WIDTH**
  - 1/8" (3.2)

**SINGLE**

- **NET DOOR WIDTH**
  - 3/32" (2.9)

- **NOMINAL OPENING WIDTH**
  - 3/32" (2.9)

- **BEVEL**
  - 1/8" (3.2)

  - 2-3/16" (55.6)

  - 3/32" (2.4)

  - 1/16" (1.6)
Bevels (Door Edge)

Door Technical Data

April, 2002

SQUARE

HINGE

“A” BEVEL

LOCK

1/8" IN 2" BEVEL
(3.2) IN (50.8)

STANDARD DOOR BEVEL

SQUARE

HINGE

“B” BEVEL

LOCK

1/8" IN 2" BEVEL
(3.2) IN (50.8)

DOOR BEVEL (NON-HANDED)
POCKET DOOR, TRANSOM PANEL,
SIDELITE PANEL

1/8" IN 2" BEVEL
(3.2) IN (50.8)
WITH 1/4" (6.4) RADIUS
LOW SIDE

HINGE

“D” BEVEL

LOCK

1/8" IN 2" BEVEL
(3.2) IN (50.8)

REQUIRED WITH ALL OFFSET PIVOT HARDWARE
VERIFY ALL HARDWARE ADAPTABILITY

2-5/8" (66.8)
RADIUS OR
“HARDWARE WILL DETERMINE
THE RADIUS

HINGE

“E” BEVEL

LOCK

2-5/8" (66.8)
RADIUS
RADIUS SHOULD MATCH
HINGE EDGE

BULL NOSE BOTH ENDS (“N” OR “T” EDGE ONLY)
REQUIRED WITH SOME DOUBLE ACTING HARDWARE
VERIFY ALL HARDWARE ADAPTABILITY

2-5/8" (66.8)
RADIUS

HINGE

“F” BEVEL

LOCK

SQUARE

BULL NOSE BOTH ENDS (“N” OR “T” EDGE ONLY)
REQUIRED WITH DOUBLE ACTING HARDWARE
VERIFY ALL HARDWARE ADAPTABILITY

1/8" IN 2" BEVEL
(3.2) IN (50.8)

HINGE

“G” BEVEL

LOCK

1/8" IN 2" BEVEL
(3.2) IN (50.8)

SPECIAL DOOR BEVEL
(DOUBLE BEVEL)
847 - 857 - Security Door Bevels

2” DOOR

1/8” IN 2” BEVEL (3.2) IN (50.8)

HINGE “P” BEVEL LOCK

1/8” IN 2” BEVEL (3.2) IN (50.8)

SQUARE

OPTIONAL DOOR BEVEL

STANDARD DOOR BEVEL (DOUBLE BEVEL)

HINGE “A” BEVEL LOCK

1/8” IN 2” BEVEL (3.2) IN (50.8)

SQUARE

OPTIONAL DOOR BEVEL

HINGE “B” BEVEL LOCK

SQUARE

OPTIONAL DOOR BEVEL (NON-HANDED & HANDED) SLIDING DOORS

HINGE “D” BEVEL LOCK

1/8” IN 2” BEVEL (3.2) IN (50.8)

REQUIRED WITH ALL OFFSET PIVOT HARDWARE VERIFY ALL HARDWARE ADAPTABILITY OPTIONAL

Experience a safer and more open world
**Visible Edge Seam Types “S”**

1. Skins are spot welded to hinge and lock channels
2. Spot welds are filled and ground smooth

**Filled Flush Edge Seam Type “N”**

1. Skins are spot welded to hinge and lock channels
2. Spot weld seams at stress points and between each “S” weld location
3. All welds and seams are filled and ground smooth

**Flush Edge Seam Welded and Filled Type “T”**

1. Skins are spot welded to hinge and lock channels
2. Continuously weld seam full height of edges
3. All welds and seams are filled and ground smooth

*NOTE: NOT AVAILABLE ON 20 GAUGE DOORS*
Standard Top/Bottom End Channels

**BOTTOM CHANNEL**
16 GA. (1.4) DOOR SKIN

**TOP CHANNEL**
16 GA. (1.4) DOOR SKIN

* MOST AUTOMATIC DOOR BOTTOMS REQUIRE SPECIAL DEPTH CHANNEL

SPOT WELDS
2" (50.8) FROM ENDS
6" (152.4) ON CENTER

* 3/4" (19.1) FOR 1-3/4" (44.5) DOOR
15/16" (23.8) FOR 1-3/8" (34.9) DOOR

WEEP HOLES

Pocket Door

"B" BEVEL BOTH EDGES SQUARE

NOMINAL DOOR WIDTH
LESS STANDARD, UNDER SIZE

EXAMPLE

2'11" (889)
3'0" (914.4)

NOMINAL 3'0" (914.4) POCKET DOOR AND FRAME HAS A NET 2'11" (889) FRAME OPENING.

12 GA. (2.6) STANDARD OR 7 GA. (4.5) REINFORCEMENT AVAILABLE INSTALLED FULL WIDTH OF DOOR TOP CAP.

VERIFY HARDWARE HANGER ADAPTABILITY TO REINFORCEMENT AND FRAME OPENING.
Hollow Metal Panels - Transom/Side Areas 1-3/4”

Door Technical Data

September, 2010

NOTE: See pages 81 and 82 in label section for oversize transom panel capabilities. Reference label section of tech data manual for maximum square inch size requirements and other fire label capabilities.

**TRANSOM PANELS**

Specify use of panel and list nominal frame opening for correct panel undersizing.

1-3/4” (44.5) panel 707 or 747 - 18, 16, or 14 ga.

**SIDE PANELS**

Specify use of panel and list nominal frame opening for correct panel undersizing.

1-3/4” (44.5) panel 707 or 747 - 18, 16, or 14 ga.

**TRANSOM PANEL INSTALLATION OPTIONS:**

1. Panel welded into frame
2. Panel installed with screws
3. Panel installed with glass stop
4. Panel installed with slip-in channel. See page 134 in the frame section (must note on both door and frame order)

**HORIZONTAL CHANNELS**

"B" bevel both edges square

**VERTICAL CHANNELS**

"B" bevel both edges square

NOTE:

See pages 81 and 82 in label section for oversize transom panel capabilities. Reference label section of tech data manual for maximum square inch size requirements and other fire label capabilities.
**Hollow Metal Panels - Transom/Side Areas 1-3/4” and 1-3/8” Thick**

**Door Technical Data**

September, 2010

**Standard Top/Bottom End Channels**

**TRANSOM PANELS**

Specify use of panel and list nominal frame opening for correct panel undersizing.

1-3/4” (44.5) PANEL 707 OR 747 - 20, 18, 16, OR 14 GA.
1-3/8” (34.9) PANEL 707 ONLY - 20, 18, 16, OR 14 GA.

**TRANSOM PANEL INSTALLATION OPTIONS:**

1. Panel welded into frame
2. Panel installed with screws
3. Panel installed with glass stop
4. Panel installed with slip-in channel. See page 134 in the frame section (must note on both door and frame order)

**SIDE PANELS AND DOOR PANELS**

Specify use of panel and list nominal frame opening for correct panel undersizing.

1-3/4” (44.5) PANEL 707 OR 747 - 20, 18, 16, OR 14 GA.
1-3/8” (34.9) PANEL 707 ONLY - 20, 18, 16, OR 14 GA.

Experience a safer and more open world
Mineral Fibreboard Core Panel-Transom/Side Areas 1/2” Thick

Door Technical Data

September, 2010

**SIDE PANELS AND/OR DOOR PANELS**

Specify use of panel and list nominal frame opening for correct panel undersizing.

1/2” (12.7) panel mineral fibreboard core
20, 18, or 16 ga. face skins

**TRANSOM PANELS**

Specify use of panel and list nominal frame opening for correct panel undersizing.

1/2” (12.7) panel mineral fibreboard core
20, 18, or 16 ga. face skins

**PANEL INSTALLATION OPTIONS:**

1. Panel installed with glass stop
2. Panel installed into door window kit

**NOTE:**
Reference label section of tech data manual for maximum square inch size capabilities for doors and frames.

Experience a safer and more open world
Composite Core Panels - Transom/Side Areas 3/8” to 1” Thick

Door Technical Data

January, 2011

TRANSMOM PANELS

SPECIFY USE OF PANEL AND LIST NOMINAL FRAME OPENING FOR CORRECT PANEL UNDERSIZING.

1” (25.4) PANEL COMPOSITE CORE
7/8” (22.2) PANEL COMPOSITE CORE
3/4” (19.1) PANEL COMPOSITE CORE
5/8” (15.9) PANEL COMPOSITE CORE
1/2” (12.7) PANEL COMPOSITE CORE
3/8” (9.5) PANEL COMPOSITE CORE

20, 18, 16, AND 14 GA. FACE SKINS

TRANSOM PANEL INSTALLATION OPTIONS:

1. PANEL WELDED INTO FRAME
2. PANEL INSTALLED WITH SCREWS
3. PANEL INSTALLED WITH GLASS STOP

SIDE PANELS AND/OR DOOR PANELS

SPECIFY USE OF PANEL AND LIST NOMINAL FRAME OPENING FOR CORRECT PANEL UNDERSIZING.

1” (25.4) PANEL COMPOSITE CORE
7/8” (22.2) PANEL COMPOSITE CORE
3/4” (19.1) PANEL COMPOSITE CORE
5/8” (15.9) PANEL COMPOSITE CORE
1/2” (12.7) PANEL COMPOSITE CORE
3/8” (9.5) PANEL COMPOSITE CORE

20, 18, 16, AND 14 GA. FACE SKINS
Steel Top/Bottom Filler Cap

STANDARD 20 GA. (.9) GALVANEALLED

SCREW APPLIED
COUNTERSINK #6–20 SELF TAPPING SCREW
CAP NOTCHED AT BOTH ENDS TO FIT
HINGE AND LOCK CHANNELS

WELDED (OPTIONAL)
ARC WELDS
INSTALL CAP, WELD, GRIND, FILLED
(OPTIONAL)

AVAILABLE FOR 1-3/4" (44.5)
AND 1-3/8" (34.9) DOORS.

END VIEW
BOTTOM CAP

END VIEW
TOP CAP

FILL AND FINISH SMOOTH

CAPS ARE RECESSED
TO ALLOW FOR FILL
AND FINISH

Experience a safer
and more open world
**INSTALLATION INSTRUCTIONS**


3) THE TOP CAP IS DESIGNED TO BE FLUSH TO SLIGHTLY BELOW THE LEGS OF THE END CHANNEL.
**Replacement Door**

**Door Technical Data**

**December, 2014**

"S" EDGE ONLY

HINGE CHANNEL PREPARATION

4-1/2" (114.3) NON-HANDED ULTIMA HINGE SHIM

MORTISE DOOR SKIN .230" (5.8) DEEP

NOTCH SKINS, DRILL AND TAP AS PER HINGE TEMPLATE

707 FLUSH DOOR ONLY

4-1/2" (114.3)

10" (254)

HINGE CHANNEL

4-3/4" (120.6)

12" (304.8)

Q OF MORTISE LOCK MAY VARY

2-1/2" (63.5)

14 GA. (1.9)

CHANNEL REINFORCEMENT

MORTISE LOCK REINFORCEMENT

6'8" (2032) - 39-1/4" (997)

7'0" (2133.6) - 43-1/4" (1098.6)

7'2" (2184.4) - 45-1/4" (1149.4)

DOOR WIDTH CLEARANCE IS

1/8" (3.2) AT LOCK EDGE,

3/32" (2.4) AT HINGE EDGE.

40-5/8" (1031.9)

5/8" (15.9)

FINISHED FLOOR

G3ARO

14 GA. (1.9) LOCK CHANNEL

14 GA. (1.9) HINGE CHANNEL

WITH 12 GA. (2.6) BACKER ON EACH OFFSET

1/8" (3.2) FRAME OPENING

14 GA. (1.9) CHANNEL REINFORCEMENT

12" (304.8)

HINGE RAIL OFFSET IS 10" LONG AT EACH LOCATION

20" (508)

CLOSER REINF. OPTIONAL

6'8" (2032) - 9-3/8" (238.1)

7'0" (2133.6) - 9-3/8" (238.1)

7'2" (2184.4) - 9-3/8" (238.1)

6'8" (2032) - 39-1/2" (1003.3)

7'0" (2133.6) - 41-1/2" (1054.1)

7'2" (2184.4) - 42-1/2" (1079.5)

6'8" (2032) - 69-5/8" (1768.5)

7'0" (2133.6) - 73-5/8" (1870)

7'2" (2184.4) - 75-5/8" (1920.9)

6'8" (2032) - 79-1/4" (2013)

7'0" (2133.6) - 83-1/4" (2114.6)

7'2" (2184.4) - 85-1/4" (2165.4)

Experience a safer and more open world
10” Blank Hinge Preparation
Door Technical Data

April, 2002

- CAN BE USED FOR ANY SDI MEMBER HINGE LOCATION FOR THE FOLLOWING DOOR HEIGHTS:
  6’8”, 7’0”, 7’2”, 8’0”, 10’0”.
- “A” AND “B” BEVEL EDGES.
- AVAILABLE ON 707, E6, AND 747 DOORS.
- STANDARD REINFORCEMENTS, LOCKS, OR STRIKES FOR APPLICABLE DOOR SERIES.
- .230” DEEP OFFSET; 4-1/2” ULTIMA HINGE SHIM MUST BE ORDERED SEPARATELY FOR STANDARD
  AND HEAVYWEIGHT HINGES.
- 3 AND 4 HINGE LOCATIONS AVAILABLE.
- 12 OR 14 GA. HINGE CHANNEL AVAILABLE.

<table>
<thead>
<tr>
<th>DOOR HEIGHT</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
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<td>30-1/8&quot;</td>
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<td>(765.2)</td>
<td>(765.2)</td>
<td>(244.5)</td>
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<td>(238)</td>
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<td>(841.4)</td>
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<td>(845)</td>
<td>(257.2)</td>
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* LOCATION OF 4TH HINGE FOR 8’0” AND 10’0” DOOR

Experience a safer
and more open world
**Standard Locations For 1-3/8” Doors**

**Door Technical Data**

September, 2013

### Table: Standard Locations For 1-3/8” Doors

<table>
<thead>
<tr>
<th>SIZE</th>
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<th>D</th>
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*Hinge size may vary - location remains the same*

*Dimension shown is for locks with a common lock and strike. (Example—cylindrical lock)*

**Diagram:**

- 1/8” (3.2) head clearance
- Hinge backset 1/4” (6.4)
- 3/4” (19.1) undercut standard

**Note:**

For doors under 60” tall we will center the lock for all manufacturers locations unless noted otherwise on the order.
# Standard Locations For 1-3/8" Doors

## Door Technical Data

September, 2013

<table>
<thead>
<tr>
<th>SIZE</th>
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<td>39-9/16&quot; (1004.9)</td>
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</table>

Hinge size may vary - Location remains the same

* Dimension shown is for locks with a common C on lock and strike. (Example—cylindrical lock)

---

### Diagram

**1/8" (3.2) Head Clearance**

**Hinge Backset 1/4" (6.4)**

**3/4" (19.1) Undercut Standard**

**Note:**

For doors under 60" tall we will center the lock for all manufacturers locations unless noted otherwise on the order.
Standard Locations For 1-3/4" Doors

Door Technical Data

September, 2013

<table>
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<th>SIZE</th>
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<td>11-5/8&quot; (295.3)</td>
<td>39-3/8&quot; (1000.1)</td>
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</table>

** Dimension shown is for locks with a common L on lock and strike.

(EXAMPLE—CYLINDRICAL LOCK)

** Hinge size may vary - Q location remains the same

1/8" (3.2) Head clearance

Hinge Backset 1/4" (6.4)

NOTE:
For doors under 60" tall we will center the lock for all manufacturers locations unless noted otherwise on the order.

Experience a safer
and more open world
### Standard Locations For 1-3/4” Doors

**Door Technical Data**

September, 2013

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**Hinge Size May Vary** - Location remains the same

- 1/8” (3.2) Head Clearance
- 5/8” (15.9) Undercut Standard
- Hinge Backset 1/4” (6.4)

*Dimension shown is for locks with a common L on lock and strike. (Example—Cylindrical lock)

**Note:**
For doors under 60” tall we will center the lock for all manufacturers locations unless noted otherwise on the order.
### Standard Locations For 1-3/4" Dutch Doors

#### Door Technical Data

November, 2004

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<th>SIZE</th>
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<td>31-1/4&quot; (793.8)</td>
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<td>22-3/4&quot; (577.9)</td>
<td>11-5/8&quot; (295.3)</td>
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</table>

**HINGE SIZE MAY VARY** - Location remains the same

**DIMENSION SHOWN IS FOR LOCKS WITH A COMMON HOLE ON LOCK AND STRIKE.**

*(EXAMPLE—CYLINDRICAL LOCK)*

**SHELF HEIGHT IS 42" (1066.8) STANDARD**

**FINISHED FLOOR**

*Please indicate when ADA compliance is required.*

48" is not practical with some deadlocks.
NOTE: 747 FLUSH DUTCH DOORS ARE LABEL LISTED! *
FOR LABEL REQUIREMENTS THE TOP LEAF MUST EITHER
LATCH INTO THE BOTTOM LEAF OR INTO THE FRAME.

DUTCH DOOR MAY BE
MODIFIED AND LABELED AT
AN APPROVED SECOND LOCATION
MANUFACTURERS FACILITY.

FLAT SURFACE APPLIED ASTRAGAL
(OPTIONAL)
APPLIED TO BOTTOM OF TOP LEAF
NOTCHED FOR E2 STRIKE
LIP IF REQUIRED

ASTRAGAL MAY BE EITHER WELDED OR
SCREW APPLIED

DUTCH HALF SHELF AVAILABLE WITH
E2 STRIKE PREP PUNCHED IN SHELF

OPTIONAL: (SHIP LOOSE)
E2 STRIKE PREP IN HALF DUTCH DOOR SHELF
(DUTCH DOOR SHELF IS LABEL LISTED)
(STRIKE IN DOOR SHELF IS NOT ALLOWED ON LABEL DUTCH DOOR)

3'6" (1067) X 7'2" (2184.4) 15 MAX. LABEL SIZES FOR 747, 18 OR 16 GAUGE.
** PLEASE INDICATE WHEN ADA COMPLIANCE IS REQUIRED. 48" H. IS NOT PRACTICAL WITH SOME DEADLOCKS.
CUSTOMER TO CUT OR GRIND BEVEL ON END OF SHELF AS REQUIRED TO MATCH DOOR BEVEL AT INSTALLATION

NOTE: DOORS 3’4” (1016) AND WIDER
ADD A THIRD BRACKET LOCATED MIDWAY BETWEEN TWO SHOWN

CORNERS WELDED AND GROUND SMOOTH

Experience a safer and more open world
CUSTOMER TO CUT OR GRIND BEVEL ON END OF SHELF AS REQUIRED TO MATCH DOOR BEVEL AT INSTALLATION

NET DOOR WIDTH
8" (203.2)

TOP VIEW

16 GA. (1.4) STANDARD

CORNERS WELDED AND GROUND SMOOTH

1-3/4" (44.5)

8-15/16" (217)

10" (254)

1-1/2" (38.1)

16 GA. (1.4) STANDARD

BOTTOM VIEW
FIELD NOTCH FOR MONORAIL

SURFACE MOUNTED 1/4" (6.4) NEOPRENE CLOSING SHEETS

12 GA. (2.6) X 1-1/2" (38.1) ASTRAGAL PLATES

NEOPRENE SHEETS AND ASTRAGAL PLATES ATTACHED TO DOOR WITH SCREWS IN A STAGGERED PATTERN.
NOTE: SDI NOMENCLATURE SYMBOLS APPEAR UNDER CURRIES SYMBOLS WHERE APPLICABLE
* SEE EMBOSSED DOOR SECTION FOR MORE FACE TYPE DETAILS.
NOTE: SDI NOMENCLATURE SYMBOLS APPEAR UNDER CURRIES SYMBOLS WHERE APPLICABLE
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NOTE: SDI NOMENCLATURE SYMBOLS APPEAR UNDER CURRIES SYMBOLS WHERE APPLICABLE
Type 1 & 2 Window Moulding

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<th>FRV</th>
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<td>18” (457.2) DIA. CUTOUT VISIBLE = 16”</td>
<td>24” (609.6) DIA. CUTOUT VISIBLE = 22”</td>
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Type 1 & 2 Window Moulding

STANDARD LOCATIONS FOR DOORS 7’2” (2184.4) AND UNDER

STANDARD LOCATIONS FOR DOORS OVER 7’2” (2184.4)

* NOTE LIMITATIONS OF LABEL IF TO BE USED

FINISHED FLOOR
Type 1 & 2 Window Moulding

STANDARD LOCATIONS FOR DOORS 7'2" (2184.4) AND UNDER

FINISHED FLOOR

VARIES

FINISHED FLOOR

VARIES

FINISHED FLOOR

VARIES

FINISHED FLOOR

FINISHED FLOOR
Type 1 & 2 Window Moulding

STANDARD LOCATIONS FOR DOORS 7'2" (2184.4) AND UNDER

FINISHED FLOOR

FINISHED FLOOR
Type 1 & 2 Window Moulding

STANDARD LOCATIONS FOR DOORS 7’2” (2184.4) AND UNDER

STANDARD LOCATIONS FOR DOORS OVER 7’2” (2184.4)

* NOTE LIMITATIONS OF LABEL IF □ TO BE USED
**Type 1 & 2 Window Moulding**

* **2FNV4**

FINISHED FLOOR

* **2FNV5**

FINISHED FLOOR

* **2FNV6**

FINISHED FLOOR

* MINIMUM 6” (152.4) STILES TO BE LABEL APPROVED

STANDARD LOCATIONS FOR DOORS 7’2” (2184.4) AND UNDER

VARIES

VARIES

VARIES

VARIES
Glass Sizes (Visible) and Lite Locations 2FNV

Door Technical Data

May, 2010

Type 1 & 2 Window Moulding

* 2FNV4

* MINIMUM 6” (152.4) STILES TO BE LABEL APPROVED

STANDARD LOCATIONS FOR DOORS OVER 7’2”

* 2FNV5

* 2FNV6

FINISHED FLOOR

FINISHED FLOOR
Glass Sizes (Visible) and Lite Locations HG, HG2
Door Technical Data
May, 2010

Type 1 & 2 Window Moulding

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<td>17-13/16&quot; (452.4)</td>
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<td>28&quot; (711.2)</td>
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<td>2'8&quot; (812.8)</td>
<td>19-13/16&quot; (503.2)</td>
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<tr>
<td>2'10&quot; (863.6)</td>
<td>21-13/16&quot; (554)</td>
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<td>29-13/16&quot; (757.2)</td>
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NOTE: FOR DOORS OVER 7’2" (2184.4) UP TO AND INCLUDING 8’0" (2438.4) STILE AND RAIL DIMENSIONS SHOWN ARE MAINTAINED. OVER 8’0" (2438.4) A MAXIMUM 44” (1117.6) VISIBLE HEIGHT IS AVAILABLE ON HG TYPE DOORS. OVER 44” (1117.6) VISIBLE HEIGHT IS CONSIDERED A FG DOOR. ALWAYS INDICATE LOCATION OF LIGHT ON DOOR FACE WHEN ORDERING DOORS OVER 8’0” (2438.4).
Glass Sizes (Visible) and Lite Locations HG2, HG4

Door Technical Data

May, 2010

Type 1 & 2 Window Moulding

HG3

HG4

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<th>DOOR HEIGHT</th>
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NOTE: FOR DOORS OVER 7'2" (2184.4) UP TO AND INCLUDING 8'0" (2438.4) STILE AND RAIL DIMENSIONS SHOWN ARE MAINTAINED. OVER 8'0" (2438.4) A MAXIMUM 44" (1117.6) VISIBLE HEIGHT IS AVAILABLE ON HG TYPE DOORS. OVER 44" (1117.6) VISIBLE HEIGHT IS CONSIDERED A FG DOOR. ALWAYS INDICATE LOCATION OF LIGHT ON DOOR FACE WHEN ORDERING DOORS OVER 8'0" (2438.4).
**Glass Sizes (Visible) and Lite Locations HG6, HG9**

Door Technical Data

May, 2010

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**Type 1 & 2 Window Moulding**

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<th>DOOR HEIGHT</th>
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<td>7'0&quot; (2133.6)</td>
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<td>6&quot; (152.4)</td>
<td>8-3/4&quot; (222.3)</td>
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<td>1-15/32&quot; (30.5)</td>
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**NOTE:** For doors over 7'2" (2184.4) up to and including 8'0" (2438.4) stile and rail dimensions shown are maintained. Over 8'0" (2438.4) a maximum 44" (1117.6) visible height is available on HG type doors. Over 44" (1117.6) visible height is considered a FG door. Always indicate location of light on door face when ordering doors over 8'0" (2438.4).
**Glass Sizes (Visible) and Lite Locations FG, FGL**

**Door Technical Data**

May, 2010

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**Type 1 & 2 Window Moulding**

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<tr>
<td>3'6&quot; (1066.8)</td>
<td>29-13/16&quot; (757.2)</td>
<td>7&quot; (182.9)</td>
<td>7-1/16&quot; (184.4)</td>
</tr>
<tr>
<td>3'8&quot; (1117.6)</td>
<td>31-13/16&quot; (808)</td>
<td>7&quot; (182.9)</td>
<td>7-1/16&quot; (184.4)</td>
</tr>
<tr>
<td>3'10&quot; (1168.4)</td>
<td>33-13/16&quot; (858.8)</td>
<td>7&quot; (182.9)</td>
<td>7-1/16&quot; (184.4)</td>
</tr>
<tr>
<td>4'0&quot; (1219.2)</td>
<td>35-13/16&quot; (908.6)</td>
<td>7&quot; (182.9)</td>
<td>7-1/16&quot; (184.4)</td>
</tr>
</tbody>
</table>

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**DOOR WIDTH | VISIBLE WIDTH | DOOR HEIGHT | VISIBLE HEIGHT**

| 2'0" (609.6) | 12" (304.8) | 6-1/8" (152.7) |
| 2'4" (711.2) | 16" (406.4) | 6-1/8" (152.7) |
| 2'6" (762) | 18" (457.2) | 6-1/8" (152.7) |
| 2'8" (812.8) | 20" (508) | 6-1/8" (152.7) |
| 2'10" (863.6) | 22" (558.8) | 6-1/8" (152.7) |
| 3'0" (914.4) | 24" (609.6) | 6-1/8" (152.7) |
| 3'4" (1016) | 28" (711.6) | 6-1/8" (152.7) |
| 3'6" (1066.8) | 30" (762) | 6-1/8" (152.7) |
| 3'8" (1117.6) | 32" (812.8) | 6-1/8" (152.7) |
| 3'10" (1168.4) | 34" (863.6) | 6-1/8" (152.7) |
| 4'0" (1219.2) | 36" (914.4) | 6-1/8" (152.7) |

**Note:** For doors over 7’2” (2184.4) up to and including 8’0” (2438.4) stile and rail dimensions shown are maintained. Over 8’0” (2438.4) a maximum 44” (1117.6) visible height is available on HG type doors. Over 44” (1117.6) visible height is considered a FG door. Always indicate location of light on door face when ordering doors over 8’0” (2438.4).
**Type 1 & 2 Window Moulding**

**NOTE:** A MINIMUM 6” STILE AND 6” RAIL IS REQUIRED FOR FIRE LABEL LISTED DOOR.

<table>
<thead>
<tr>
<th>DOOR WIDTH</th>
<th>VISIBLE WIDTH</th>
<th>DOOR HEIGHT</th>
<th>VISIBLE HEIGHT</th>
<th>DOOR HEIGHT</th>
<th>VISIBLE HEIGHT</th>
<th>DOOR HEIGHT</th>
<th>VISIBLE HEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>2'0&quot; (609.6)</td>
<td>11-13/16&quot; (330)</td>
<td>6&quot; (152.4)</td>
<td>6&quot; (152.4)</td>
<td>17-13/16&quot; (452.4)</td>
<td>6&quot; (152.4)</td>
<td>6&quot; (152.4)</td>
<td>6&quot; (152.4)</td>
</tr>
<tr>
<td>2'4&quot; (711.2)</td>
<td>15-13/16&quot; (401.6)</td>
<td>6&quot; (152.4)</td>
<td>6&quot; (152.4)</td>
<td>17-13/16&quot; (452.4)</td>
<td>6&quot; (152.4)</td>
<td>6&quot; (152.4)</td>
<td>6&quot; (152.4)</td>
</tr>
<tr>
<td>2'6&quot; (762)</td>
<td>17-13/16&quot; (452.4)</td>
<td>6&quot; (152.4)</td>
<td>7-3/4&quot; (169.9)</td>
<td>6&quot; (152.4)</td>
<td>7-3/4&quot; (169.9)</td>
<td>6&quot; (152.4)</td>
<td>7-3/4&quot; (169.9)</td>
</tr>
<tr>
<td>2'8&quot; (812.8)</td>
<td>19-13/16&quot; (503.2)</td>
<td>12&quot; (304.8)</td>
<td>11-13/16&quot; (330)</td>
<td>6&quot; (152.4)</td>
<td>6&quot; (152.4)</td>
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<td>6&quot; (152.4)</td>
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<tr>
<td>2'10&quot; (863.6)</td>
<td>21-13/16&quot; (554)</td>
<td>12&quot; (304.8)</td>
<td>11-13/16&quot; (330)</td>
<td>6&quot; (152.4)</td>
<td>6&quot; (152.4)</td>
<td>6&quot; (152.4)</td>
<td>6&quot; (152.4)</td>
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<tr>
<td>3'0&quot; (914.4)</td>
<td>23-13/16&quot; (604.8)</td>
<td>7&quot; (213.36)</td>
<td>27-1/16&quot; (687.4)</td>
<td>6&quot; (152.4)</td>
<td>7-3/4&quot; (169.9)</td>
<td>6&quot; (152.4)</td>
<td>7-3/4&quot; (169.9)</td>
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<tr>
<td>3'4&quot; (1016)</td>
<td>27-13/16&quot; (706.4)</td>
<td>19-13/16&quot; (503.2)</td>
<td>11-13/16&quot; (330)</td>
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<td>6&quot; (152.4)</td>
<td>7-3/8&quot; (184.4)</td>
<td>27-1/16&quot; (687.4)</td>
<td>7-3/8&quot; (184.4)</td>
</tr>
<tr>
<td>3'10&quot; (1168.4)</td>
<td>33-13/16&quot; (858.8)</td>
<td>18-1/16&quot; (458.8)</td>
<td>27-1/16&quot; (687.4)</td>
<td>6&quot; (152.4)</td>
<td>18-1/16&quot; (458.8)</td>
<td>27-1/16&quot; (687.4)</td>
<td>18-1/16&quot; (458.8)</td>
</tr>
<tr>
<td>4'0&quot; (1219.2)</td>
<td>35-13/16&quot; (909.6)</td>
<td>12-1/16&quot; (306.4)</td>
<td>27-1/16&quot; (687.4)</td>
<td>6&quot; (152.4)</td>
<td>12-1/16&quot; (306.4)</td>
<td>27-1/16&quot; (687.4)</td>
<td>12-1/16&quot; (306.4)</td>
</tr>
</tbody>
</table>

**NOTE:** FOR DOORS OVER 7’2” (2184.4) UP TO AND INCLUDING 8’0” (2438.4) STILE AND RAIL DIMENSIONS SHOWN ARE MAINTAINED. ALWAYS INDICATE LOCATION OF LIGHT ON DOOR FACE WHEN ORDERING DOORS OVER 8’0” (2438.4).
Face Type Locations FVL, FNVL

Door Technical Data

May, 2010

Type 1 & 2 Window Moulding

FVL
FV = FULL VISION STANDARDS
L = LOUVER STANDARDS

FNVL
FNV = FULL NARROW VISION STANDARDS
L = LOUVER STANDARDS

EXAMPLE:
12" X 12" (305 X 305) FULL VISION LITE
18" X 12" (457 X 305) LOUVER

EXAMPLE:
6" X 36" (152 X 914) NARROW VISION LITE
18" X 12" (457 X 305) LOUVER

PROVIDE CUTOUT ONLY SIZE FOR LOUVERS
Type 1 & 2 Window Moulding

HGL
HG = HALF GLASS STANDARDS
L = LOUVER STANDARDS

EXAMPLE:
WINDOW PANE-HALF GLASS 18" X 12" (457 X 305) LOUVER

PROVIDE CUTOUT ONLY SIZE FOR LOUVERS
Type 1 & 2 Window Moulding

Door Width for 3FNV must be at least 3’6” (1066.8) wide!

* NOTE: Minimum 6” stiles to be fire label listed.

Face Type Locations FD, FDFV

<table>
<thead>
<tr>
<th>Location</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FDFV</td>
<td>10” (254) X 10” (254)</td>
</tr>
<tr>
<td>FDFV1</td>
<td>12” (304.8) X 12” (304.8)</td>
</tr>
</tbody>
</table>
Type 1 & 2 Window Moulding

**FDFNV**
- **FD** = FLUSH DUTCH
- **FNV** = FULL NARROW VISION STANDARDS

**FDHG**
- **FD** = FLUSH DUTCH
- **HG** = HALF GLASS STANDARDS

EXAMPLE: **FDFNV1**
- 6" X 36" (152 X 914) NARROW VISION LITE

EXAMPLE: **FDHG**
- (3) WINDOW PANE-HALF GLASS
Type 1 & 2 Window Moulding

**FDL**
- **FD** = FLUSH DUTCH
- **L** = LOUVER STANDARDS

**FDFVL**
- **FD** = FLUSH DUTCH
- **FV** = FULL VISION STANDARDS
- **L** = LOUVER STANDARDS

**Example:**
- **FLUSH DUTCH**
  - 20” X 12” (508 X 305) LOUVER

**Example:**
- **FLUSH DUTCH**
  - 12” X 12” (305 X 305) FULL VISION LITE
  - 20” X 12” (508 X 305) LOUVER

Provide cutout only size for louvers.
Type 1 & 2 Window Moulding

**FDHGL**
- **FD** = FLUSH DUTCH
- **HG** = HALF GLASS STANDARDS
- **L** = LOUVER STANDARDS

**FDHGL**: EXAMPLE
- (3) WINDOW PANE-HALF GLASS
- 18" X 12" (457 X 305) LOUVER

**FDFNVL**
- **FD** = FLUSH DUTCH
- **FNV** = FULL NARROW VISION STANDARDS
- **L** = LOUVER STANDARDS

**FDFNVL**: EXAMPLE
- 6" X 36" (152 X 914) NARROW VISION LITE
- 18" X 12" (457 X 305) LOUVER

**PROVIDE CUTOUT ONLY SIZE FOR LOUVERS**
Type 1 & 2 Window Moulding

18 GA. (1.2) GALV. STEEL VISION LITE FRAME

1/4” (6.3) GLASS
3/8” (9.5) POCKET ONLY

NOTE: ORDER GLASS SIZE 1” LARGER THAN VISIBLE GLASS DIMENSION

Experience a safer and more open world
Type 1 & 2 Window Moulding

DOOR CUT-OUT
1-3/4" LARGER THAN VISIBLE

1/2"
(GLASS SIZE 1" LARGER THAN VISIBLE)

7/8"

7/16"

1-5/16"

3/32"

WINDOW KIT

GLASS SIZE

CUT-OUT

KIT BEYOND CUT-OUT

1-5/16"
(33.3)

1/2"
(12.7)

7/8"
(22.2)

7/16"
(11)
Louver Sizes and Locations FL, F2L, F3L, F4L

Door Technical Data

April, 2002

<table>
<thead>
<tr>
<th>FL</th>
<th>F2L</th>
<th>F3L</th>
<th>F4L</th>
</tr>
</thead>
<tbody>
<tr>
<td>FL2</td>
<td>F2L2</td>
<td>F3L2</td>
<td>F4L2</td>
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<tr>
<td>FL3</td>
<td>F2L3</td>
<td>F3L3</td>
<td>F4L3</td>
</tr>
<tr>
<td>FL4</td>
<td>F2L4</td>
<td>F3L4</td>
<td>F4L4</td>
</tr>
</tbody>
</table>

12" (304.8) X 12" (304.8)
18" (457.2) X 12" (304.8)
20" (508) X 12" (304.8)
24" (609.6) X 12" (304.8)

Experience a safer and more open world
LOUVERS ARE SIZED TO FIT STANDARD OPENING DIMENSION
EXAMPLE: A 12" (304.8) X 12" (304.8) LOUVER REQUIRES A 12" (304.8) X 12" (304.8) CUTOUT IN DOOR

LOUVER CUTOUT REINFORCING IS NOT PROVIDED AS STANDARD BUT MAY BE FURNISHED ON REQUEST.
REINFORCING IS REQUIRED ON FIRE LABELED DOORS AND IS PROVIDED AS STANDARD.
Face Type Locations FP, F2P
Door Technical Data
April, 2002

Transfer Core Type Louver Moulding
Type 1 & 2 Window Moulding

FMS
- FMS = FLUSH MAIL SLOT

HGMS
- HG = HALF GLASS STANDARDS
- MS = MAIL SLOT

EXAMPLE:
- (3) WINDOW PANE-HALF GLASS MAIL SLOT
Face Type Locations FVMS, FNVMS
Door Technical Data
May, 2010

Type 1 & 2 Window Moulding

FVMS
- FV = FULL VISION STANDARDS
- MS = MAIL SLOT

FNVMS
- FN = FULL NARROW VISION STANDARDS
- MS = MAIL SLOT

FVMS
- 10" (254) X 10" (254)
- FV1MS 12" (304.8) X 12" (304.8)

FNVMS
- 6" X 36" (152 X 914) NARROW VISION LITE
- MAIL SLOT
AVAILABLE FOR TYPE 1, 3, 9 AND 11 WITH 3/8" POCKET ONLY. AVAILABLE WITH CURRISTAIN DOORS. MUNTIN BAR IS NOT STAINED.

MUNTIN BAR PART NUMBER: CD002402

MULTIPLE GLASS SIZES MAY VARY SLIGHTLY DUE TO MUNTIN POCKET DEPTH

VISION LITE FRAME

HORIZONTAL MUNTIN

NOTCH HORIZONTAL MUNTIN 3/8" (9.5) TO FIT INSIDE WINDOW KIT FRAME

4-7/8" (123.8) MINIMUM BETWEEN VISIBLE GLASS AREAS. (INCLUDES MOULDING)

VISIBLE GLASS
STANDARD WINDOW MOULDING
TYPE 1

HINGE OR LOCK CHANNEL

20 GAUGE (.91) STANDARD
CHANNEL REINFORCING

18 GA. (1.2) GALV. STEEL
GLASS MOULDING

#6 OVAL
HEAD SCREW

OUTSIDE SKIN

INVERTED TOP OR
BOTTOM CHANNEL
Door Vision Lite Kit (Old Style)
Door Technical Data
February, 2008

TYPES 1 & 2
SEE PAGE 155 FOR CURRIES STANDARD WINDOW KIT INFORMATION.

NOTE: PLEASE NOTE WHEN KITS SHOULD BE USED ON 14 GAUGE DOORS.

*VARIES WITH POCKET

NOTE: ON FIRE LABEL DOORS USE A 6” (152.4) MINIMUM STILE BETWEEN VISIBLE GLASS AREAS AND BETWEEN VISIBLE GLASS AND EDGES OF DOOR.
TYPE 2 (old style kits)

SEE PAGE 155 FOR CURRIES STANDARD WINDOW KIT INFORMATION.

Rabbeted Door and Panel
Concealed Glass Moulding - Type 3
Door Technical Data
May, 2013

THIS SURFACE PUNCHED AND COUNTERSUNK, ON CENTER, FOR #6-20 OVAL HEAD SCREW.

GLASS THICKNESS PLUS 0.125 = POCKET
GLASS SIZE IS 1" LARGER THAN VISIBLE
CUTOUT SIZE IS 1-1/4" LARGER THAN VISIBLE

3/8", 1/2", AND 5/8" POCKETS ONLY
1-3/4" DOORS ONLY

1-1/2" (38.1)

7/8" (22.2)

3/8" (9.5) POCKET

5/8" (15.9)

NOTE:
REMOVABLE MOULDING IS ALWAYS ON THE INTERIOR SIDE UNLESS NOTED DIFFERENTLY ON THE ORDER.

3-1/8" (79.3) MINIMUM STILE AND RAIL AVAILABLE WITH TYPE 3 MOULDING. "NO FIRE LISTING," LIMITED HARDWARE.
**Special Concealed Moulding - “Z” Type**

**Door Technical Data**

August, 2013

- **18 GA. (1.2) REMOVABLE MOULDING**
  - 3/8" (9.5) MIN.
  - 1-1/8" (28.6) MAX.

- **5/8" (15.9)**
  - Glass thickness plus .125 = pocket
  - Glass size is 1" larger than visible
  - Removable side cutout size is 1-1/4" larger than visible

- **NOTE:** Removable moulding is to be on interior side of door unless noted differently on the order.

- **2-7/8" (73) MINIMUM RAIL TO VISIBLE BETWEEN KITS**

- **16 GA. (1.4)**
  - “Z” channel reinforcement

- **1-3/4" (44.5)**
  - Door only

- **Experience a safer and more open world**
857 Standard 18 Ga. Concealed Moulding
Door Technical Data

November, 2016

3/8" (9.5), 1/2" (12.7), OR 5/8" (15.8) POCKETS

REMOVABLE STOP (18 GA.)

5/8" (15.9) X 5/8" (15.9)

SPOT WELD

#6 SCREW

NOTE: REMOVABLE MOULDING IS TO BE ON INTERIOR SIDE OF DOOR UNLESS NOTED DIFFERENTLY ON THE ORDER

Experience a safer and more open world
E1 ANSI Strike Preparation in Inactive Leaf
Door Technical Data

April, 2011

CONTINUOUS LOCK CHANNEL

NOTE
1. MORTISE AND TAP PER ANSI/BHMA A156.115
2. REINFORCED IN ACCORDANCE WITH ANSI A250.6

FINISHED FLOOR

Experience a safer
and more open world
E2 Strike Preparation in Inactive Leaf

CONTINUOUS LOCK CHANNEL

1-1/4" (31.8)

1/8" (3.2) LIP DEPTH

12 GA. (2.6) REINFORCEMENT

40" (1016) TO STANDARD

FINISHED FLOOR

2-3/4" (69.9)

1-1/2" (38.1)
E3 ANSI Deadlock Strike Preparation in Inactive Leaf
Door Technical Data
April, 2002

CONTINUOUS LOCK CHANNEL

12 GA. (2.6) REINFORCEMENT

3-1/2" (88.9) FOR MORTISE DEADLOCKS

SIZE AND TAP PER ANSI A115.5

1-1/8" (28.6)

48" (1219) TO STANDARD

FINISHED FLOOR
CONTINUOUS LOCK CHANNEL

1-1/8" (28.6)

12 GA. (2.6) TABS

2-3/4" (69.9)

48" (1219) TO STANDARD

FINISHED FLOOR

Experience a safer and more open world
CONTINUOUS LOCK CHANNEL

PER TEMPLATE

PER TEMPLATE

PER TEMPLATE

PER TEMPLATE

PER TEMPLATE TO ALIGN WITH LOCK

12 GA. (2.6) TABS

SIZE AND TAP PER TEMPLATE

FINISHED FLOOR
ADDITIONAL REINFORCEMENT INSTALLED IF LIP DEPTH IS LONGER THAN LOCK CHANNEL LEG.

2" DOOR

2" (50.8)

PER TEMPLATE

PER TEMPLATE

PER TEMPLATE

PER TEMPLATE

PER TEMPLATE

PER TEMPLATE

PER TEMPLATE

PER TEMPLATE

PER TEMPLATE

PER TEMPLATE

PER TEMPLATE

PER TEMPLATE

PER TEMPLATE

PER TEMPLATE

FINISHED FLOOR
ADDITIONAL REINFORCEMENT INSTALLED IF LIP DEPTH IS LONGER THAN LOCK CHANNEL LEG.

2" (50.8)

PER TEMPLATE

PER TEMPLATE

PER TEMPLATE

PER TEMPLATE

PER TEMPLATE TO ALIGN WITH LOCK

12 GA. (2.6) REINFORCE AND TAP PER TEMPLATE

FLOOR
**CURRIES STANDARD PRACTICE IS TO SUPPLY ASTRAGAL 5/8" (15.9) SHORT OF DOOR HEIGHT TO CLEAR FRAME STOP AT HEAD ON INACTIVE DOOR ONLY!**

**HIGH SIDE APPL.**

- **ACTIVE DOOR HEIGHT**
- **INACTIVE DOOR HEIGHT LESS 5/8" (15.9) INACTIVE (*)**

**LOW SIDE APPL.**

- **DOOR HEIGHT**
- **DOOR HEIGHT LESS 5/8" (15.9) INACTIVE (*)**

STANDARD SCREW PLACEMENT USING #6 OVAL HEAD SCREWS (ALSO AVAILABLE WELDED) “MIN. REQ’D FOR U.L. LISTING”

**SINGLE ASTRAGAL ON LOW SIDE OF INACTIVE LEAF STANDARD.**

**SINGLE ASTRAGAL ON HIGH SIDE OF ACTIVE LEAF. E1 STRIKE ON ACTIVE LEAF REQUIRES NOTCH ON ASTRAGAL.**

**DOUBLE ASTRAGAL ON HIGH SIDE OF ACTIVE LEAF AND LOW SIDE OF INACTIVE LEAF.**

**Experience a safer and more open world**
“Z” Astragal Locations and Handing
Door Technical Data

October, 2002

#6 OVAL HEAD SCREWS
(ALSO AVAILABLE WELDED)

RUNS FULL HEIGHT AND IS NOTCHED FOR THE STOP

5/8” NOTCHED TO CLEAR FRAME STOP AT HEAD.

GUAGE: 14
STEEL TYPE: GALVANEAL

REVERSE ANGLE:
HARDWARE REINF. TABS FORMED INTEGRAL WITH ASTRAGAL

DOOR EDGE PREPARATION TO RECEIVE ASTRAGAL WITH E1/H1 PREP.

LH ASTRAGAL
RHR ASTRAGAL (LH)
LHR ASTRAGAL (RH)
RHR ASTRAGAL (RH)

REVELED ASTRAGAL
SQUARE ASTRAGAL

Experience a safer and more open world
CL Standard Closer Reinforcement

Door Technical Data

October, 2002

L

14 GA. (1.9) REINFORCING LEGS OF REINFORCING ARE WELDED TO END CHANNEL

HINGE EDGE

5-1/4” (133.4)

1” (25.4)

20” (508)

C2 Optional Closer Reinforcement

DOOR SERIES

607, 707, 727
737, 747

12 GAUGE OPTION

DOOR SERIES

707, 727
737, 747

Experience a safer
and more open world
HINGE EDGE

LEGS OF REINFORCING ARE WELDED TO END CHANNEL.

16 GA. (1.4) TOP CAP (STANDARD)

12 GA. (2.6) REINFORCING CHANNEL

2" (50.8)

5-1/4" (133.4)

1-1/8" (28.6)

20" (508)
END CHANNEL IS MODIFIED FOR CORRECT DEPTH
DIMENSIONS VARY AS PER TEMPLATE

TOP OF DOOR SKIN AND END CHANNEL ARE
CUT AWAY PER TEMPLATE

HINGE CHANNEL

LOCK CHANNEL

12 GA. (2.6) REINFORCING

MOUNTING HOLES SHALL BE DRILLED AND TAPPED IN THE FIELD FOR
DESired HOLD OPEN ANGLE.
14 GA. (1.9) CONTINUOUS LOCK CHANNEL

2" (50.8)

16 GA. (1.4) TOP CAP

TOP OF DOOR SKIN AND END CHANNEL ARE CUT AWAY PER TEMPLATE

END CHANNEL IS MODIFIED FOR CORRECT DEPTH
DIMENSIONS VARY AS PER TEMPLATE

12 GA. (2.6) CONTINUOUS HINGE CHANNEL

TOP CAP 16 GA. (1.4)

END CHANNEL
14 GA. (1.9)

12 GA. (2.6) REINFORCEMENT

END VIEW
NOTE: CHANNEL DIMENSIONS DETERMINED BY SEMI-MORTISE BOTTOM TEMPLATE.
G1 Govt. 160 Reinf. Cylindrical Lock 1-3/8” Door

Door Technical Data

April, 2002

NOTE: NO LATCH BOLT GUIDE REQUIRED FOR 1-3/8” DOOR

14 GA. (1.9) CONTINUOUS CHANNEL

12 GA. (2.6) TABS

16 GA. (1.4) REINFORCING

SIZE AND TAP PER ANSI A115.2

40-5/16” (1023.9) TO STRIKE ON FRAME (STANDARD)

2-1/4” (57.2)

1” (25.4)

2-3/4” (69.9) BACKSET FROM TO CENTER OF DOOR

FACE PUNCH 2-1/8” (53.9) (STANDARD)

3-27/64” (86.9)

3-27/64” (86.9)

4-7/32” (107.2)

FLOOR

Experience a safer and more open world
NOTE: LEVER HANDLE LOCKS REQUIRING INDEXING HOLES MUST BE SPECIFIED WHEN ORDERING.

SIZE AND TAP PER ANSI 115.2

FLOOR LINE

2-3/4" (69.9) BACK-SET
TO Ø OF DOOR EDGE

40-5/16" (1024) TO Ø OF STRIKE ON FRAME (STANDARD)

2-1/4" (57.2)

1" (25.4)

FACE PUNCH 2-1/8" (54.0) (STANDARD)
14 GA. (1.9) CONTINUOUS LOCK CHANNEL

16 GA. (1.4) CYLINDRICAL LOCK REINFORCEMENT

2-1/4" (57.2)

4-7/32" (107.2)

2-1/8" (54)

5/16" (7.9)

2 PLS

45°

3-27/64" (86.9)

3-1/4" (82.5) TYP.

40-5/16" (1024) TO CF OF STRIKE ON FRAME (STANDARD)

2-3/4" (69.9) BACK-SET TO CF OF DOOR EDGE

7/16" (11.0)

4 PLS

5/16" (7.9)

2 PLS

SIZE AND TAP PER ANSI 115.2

FLOOR LINE
14 GA. (1.9) CONTINUOUS LOCK CHANNEL

16 GA. (1.4) CYLINDRICAL LOCK REINFORCEMENT

16 GA. (1.4) LATCHBOLT GUIDE

2-1/4" (57.2)

1-1/8" (28.6)

2-3/4" (69.9) BACKSET

40" (1016) TO ₋ STRIKE ON FRAME (STANDARD)

FLOOR

SIZE AND TAP PER ANSI 115.2

FACE PUNCH 2-1/8" (54) (STANDARD)
14 GA. (1.9) CONTINUOUS CHANNEL

12 GA. (2.6) CYLINDRICAL LOCK REINFORCEMENT

16 GA. (1.4) REINFORCING

40" (1016) TO STRIKE ON FRAME (STANDARD)

2-3/4" (69.9) BACKSET FROM CENTER OF DOOR (STANDARD)

2-1/4" (57.2)

2-1/8" (53.9) (STANDARD)

1-1/8" (28.6)

FINISHED FLOOR

SIZE AND TAP PER ANSI 115.2

Experience a safer and more open world
**G2A Cylindrical Thru Bolt Preparation 1-3/4” Door**

Door Technical Data

January, 2008

- **HOLE SIZE AND LOCATION PER TEMPLATE**
  - 2-1/4” (57.2)
  - 2-3/4” (69.9) BACKSET
  - 4-7/32” (107.2)
  - 3-27/64” (86.9)

- **NOTE:** LEVER HANDLE LOCKS REQUIRING INDEXING HOLES MUST BE SPECIFIED WHEN ORDERING.
- **SIZE AND TAP PER ANSI 115.2**

Experience a safer
and more open world
G2B Cylindrical Thru Bolt Preparation 1-3/4" Door
Door Technical Data

April, 2002

14 GA. (1.9) CONTINUOUS LOCK CHANNEL
16 GA. (1.4) CYLINDRICAL LOCK REINFORCEMENT
16 GA. (1.4) LATCHBOLT GUIDE

4-7/32" (107.2)
7/16" (11)
2-1/8" (54)
3-1/4" (82.5) TYP.
3-27/64" (86.9)
5/16" (7.9)
2 PLS

2-1/4" (57.2)
3-27/64" (86.9)
2-3/4" (69.9) BACKSET
2-1/4" (57.2)

1-1/8" (28.6)

40" (1016) TO Ø STRIKE ON FRAME (STANDARD)
FINISHED FLOOR

SIZE AND TAP PER ANSI 115.18

Experience a safer and more open world
G3 Govt. 86 Esch. Trim Mortise Lock Preparation
Door Technical Data
April, 2004

- **14 GA. (1.9) CONTINUOUS LOCK CHANNEL**
- **16 GA. (1.4) REINFORCEMENT**
- **LOCK SUPPORT CLIPS**
- **INTEGRAL TAB EXTRUDED AND TAPPED TO 12 GA. (2.6)**
- **DOOR FACE AND EDGE PREPARATION CONFORM TO ANSI A115.1**
- **TAP 12-24**
- **40" (1016) TO STRIKE ON FRAME**
  - (STANDARD FOR 1-3/4" (44.5) DOOR)
- **40-5/16" (1023.9) TO STRIKE ON FRAME**
  - (STANDARD FOR 1-3/8" (34.9) DOOR)
- **FLOOR**

Experience a safer and more open world
14 GA. (1.9) CONTINUOUS LOCK CHANNEL

16 GA. (1.4) REINFORCEMENT

LOCK SUPPORT CLIPS

4-5/8" (117.5)

SECTIIONAL TRIM FACE PREPARATION PER TEMPLATE.

SIZE AND TAP EDGE ONLY PER ANSI 115.1

9.25" (235.0)

8" (203.2)

C OF PREP.

1-1/4" (31.8)

FOR 1-3/4" (44.5) DOORS

1-1/16" (27)

FOR 1-3/8" (34.9) DOORS

40" (1016) TO C STRIKE ON FRAME

(STANDARD FOR 1-3/4" (44.5) DOOR)

40-5/16" (1023.9) TO C STRIKE ON FRAME

(STANDARD FOR 1-3/8" (34.9) DOOR)

3/8" (9.5)

INTEGRAL TAB EXTRUDED AND TAPPED TO 12 GA. (2.6)

80" (2032) TO STRIKE ON FRAME

(STANDARD FOR 1-3/4" (44.5) DOOR)

80-5/16" (2036.9) TO STRIKE ON FRAME

(STANDARD FOR 1-3/8" (34.9) DOOR)
G3AE0 Edge Only Preparation
Door Technical Data
April, 2013

14 GA. (1.9) CONTINUOUS LOCK CHANNEL

16 GA. (1.4) REINFORCEMENT

LOCK SUPPORT CLIPS

4-5/8” (117.5)

12” (304.8)

SECTIONAL TRIM FACE PREPARATION PER TEMPLATE.
SIZE AND TAP EDGE ONLY PER ANSI 115.1

1-1/4” (31.8) FOR 1-3/4” (44.5) DOORS
1-1/16” (27) FOR 1-3/8” (34.9) DOORS

40” (1016) TO C STRIKE ON FRAME
(STANDARD FOR 1-3/4” (44.5) DOOR)

40-5/16” (1023.9) TO C STRIKE ON FRAME
(STANDARD FOR 1-3/8” (34.9) DOOR)

FLOOR

12 GA. (1.4) CONTINUOUS LOCK CHANNEL

LOCK SUPPORT CLIPS

40” (1016) TO C STRIKE ON FRAME
(STANDARD FOR 1-3/4” (44.5) DOOR)

40-5/16” (1023.9) TO C STRIKE ON FRAME
(STANDARD FOR 1-3/8” (34.9) DOOR)

FLOOR
2" DOOR

14 GA. (1.9)
CONTINUOUS LOCK CHANNEL

12 GA. (2.6)
CHANNEL REINFORCEMENT

16 GA. (1.4)
LOCK CENTERING CLIPS

12 GA. (2.6)
REINFORCEMENT

DOOR EDGE PREPARATION
CONFORM TO ANSI A115.1

4-3/4" (120.6)

12" (304.8)

40" (1016) TO 3/4 STRIKE
ON FRAME
(STANDARD)

1-1/4" (28.6)

3/8" (9.5)

8" (203.2)

OF PREP.

TAP
12-24

FINISHED FLOOR
14 GA. (1.9) 2 PIECE LOCK CHANNEL

16 GA. (1.4) CHANNEL REINFORCEMENT

PER TEMPLATE

FLOOR

40" (1016) TO G STRIKE ON FRAME
(STANDARD FOR 1-3/4" (44.5) DOOR)

40-5/16" (1023.9) TO G STRIKE ON FRAME
(STANDARD FOR 1-3/8" (34.9) DOOR)

NOTE: SPECIFY HARDWARE MANUFACTURER AND MODEL NUMBER.
Note: Face preparation and reinforcement per template when specified.
**G11A, G11B, G11C Rim Vertical Rod Exit Reinforcement**

**Door Technical Data**

March, 2007

**NOTE:**

TOP AND BOTTOM ROD PREPARATION PER TEMPLATE.

**14 GA. (1.9) CHANNEL REINFORCEMENT**

**G11B** - 3 POINT LATCHING IS REINFORCED THE SAME AS G11A SHOWN

**G11C** - TOP LATCH ONLY. BOTTOM LOCK SIDE REINFORCING CHANNEL IS OMITTED.

FIRE PLUNGER REQUIRED FOR LABEL.

**BLANK FACE STANDARD**

**NOTE:**

FACE PREPARATION AND REINFORCEMENT PER TEMPLATE WHEN SPECIFIED.
G12 Mortise Exit Reinforcement

Door Technical Data

March, 2007

MOUNTING TABS EXTRUDED AND TAPPED TO 12 GA.

14 GA. (1.9) CHANNEL REINFORCEMENT

1-1/4" (31.8) (STD)

18" (457.2) (STD)

12" (304.8) (STD)

3-3/16" (96.8) (STD)

BLANK FACE STANDARD

NOTE:
FACE PREPARATION AND REINFORCEMENT PER TEMPLATE WHEN SPECIFIED

* LOCATE PER TEMPLATE ON PAIRS WITH EXIT DEVICE ON BOTH DOORS.

40" (1016) TO STRIKE ON FRAME* (STD)

27" (685.8) (STD)

33" (838.2) (STD)

FINISHED FLOOR
NOTE:
TOP AND BOTTOM ROD PREPARATION PER TEMPLATE.

G12A, G12B, G12C Concealed Vertical Rod
Door Technical Data
March, 2007

14 GA. (1.9) CHANNEL REINFORCEMENT

NOTE: FINISH FLOOR, BOTTOM UNDERCUT, AND BOLT PROTRUSION CRITICAL FOR BOLT ENGAGEMENT TO FLOOR.

BLANK FACE STANDARD
NOTE: FACE PREPARATION AND REINFORCEMENT PER TEMPLATE WHEN SPECIFIED

G12B - LESS BOTTOM ROD. BOTTOM ROD PREPARATION IS OMITTED.

G12C - LESS BOTTOM ROD. BOTTOM ROD PREP. IS OMITTED. FIRE PLUNGER REQUIRED FOR LABEL.

FINISHED FLOOR

Experience a safer and more open world
G13B SARGENT Recessed Latch Top and Mortise Lock (LBR)

Door Technical Data

May, 2006

12 (2.6) GA. REINFORCEMENT

14 (1.9) GA. REINFORCEMENT

TOP ROD PREPARATION

16 (1.4) GA. REINFORCEMENT

2-9/32" (57.9)

1/4" (6.3) RETURN FORMED IN SKIN

SECTION A–A

CUTOUT WIDTH
30-5/32" (765.9)
36-5/32" (918.3)
40-5/32" (1019.9)
4'0" (1219.2) - 5'0" (1524)

NOMINAL DOOR WIDTH *
3'0" (914.4) ONLY
3'6" (1066.8) OR 3'8" (1117.6)
3'10" (1168) OR 4'0" (1219.2),

*STANDARD HINGE AND LOCK CLEARANCES

THE DEVICE IS FIRE RATED UP TO 90 MINUTES IN DOORS UP TO 4'0" (1219.2) X 10'0" (3048)
(SINGLES) AND 8'0" (2438.4) X 10'0" (3048) (PAIRS).

Experience a safer and more open world
CUTOUT WIDTH
24-5/32" (613.6)
30-5/32" (765.9)

NOMINAL DOOR WIDTH, W *
2'6" (762.0) < W < 2'10" (863.6)
2'10" (863.6) ≤ W ≤ 5'0" (1524)

THE DEVICE IS FIRE RATED UP TO THREE HOURS IN DOORS UP TO 4'0" (1219.2) X 10'0" (3048) (SINGLES).

* STANDARD HINGE AND LOCK CLEARANCES

1-3/4" DOOR ONLY
NOT AVAILABLE ON:
EMBOSSED PANEL DOORS
20 (.91) GAUGE DOORS
607 SERIES DOORS
737 SERIES DOORS
2" (50.8) THICK DOORS
**G13A “VON DUPRIN” Recessed Vertical Rod Exit Device**

Door Technical Data

April, 2004

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The device is fire rated for use on pairs up to 8’0” x 10’0”, 3 hours double egress doors and 90 minute doors swinging in the same direction.

* Standard hinge and lock clearances

**1-3/4” (44.4) Door only**

Not available on:
- Embossed panel doors
- 20 (.91) gauge doors
- 607 series doors
- 737 series doors
- 2” (50.8) thick doors

---

CUTOUT WIDTH

- 24-5/32” (613.6)
- 30-5/32” (765.9)

DOOR WIDTH, W *

- 2’6” (762.0) ≤ W < 2’10" (863.6)
- 2’10” (863.6) ≤ W ≤ 5’0” (1524)

---

Experience a safer 
and more open world
CONTINUOUS LOCK CHANNEL

16 GA. (1.4) CYLINDRICAL LOCK REINFORCEMENT

16 GA. (1.4) LATCHBOLT GUIDE

2-1/4" (57.2)

1-1/8" STANDARD (28.6)

48" (1219.2) TO STRIKE ON FRAME (STANDARD)

2-3/4" (69.9) BACKSET

FACE PUNCH 1-1/2" (38.1) (STANDARD)

FLOOR

SIZE AND TAP PER TEMPLATE

Experience a safer and more open world
116
G2 Lock G16 Deadlock Combination (G25)
Door Technical Data
April, 2002

CONTINUOUS LOCK CHANNEL

16 GA. (1.4) CYLINDRICAL
LOCK REINFORCEMENT

16 GA. (1.4) LATCHBOLT GUIDE

SIZE AND TAP PER TEMPLATE

16 GA. (1.4) CYLINDRICAL
LOCK REINFORCEMENT

16 GA. (1.4) LATCHBOLT GUIDE

FACE PUNCH
1-1/2" (38.1)
(STANDARD)

FACE PUNCH
2-1/8" (54)
(STANDARD)

40" (1016) TO
STRIKE ON FRAME
(STANDARD)

FINISHED FLOOR

Experience a safer
and more open world
48" (1219.2) TO \( \gamma \) STRIKE
ON FRAME
(STANDARD)

FINISHED FLOOR

CONTINUOUS LOCK CHANNEL

14 GA. (1.7) CHANNEL
REINFORCEMENT

LOCK SUPPORT
CLIPS

FACE PUNCH
PER FUNCTION
TEMPLATE

PER
TEMPLATE

PER
TEMPLATE

12 GA. (2.6)
REINFORCEMENT

TRIM HOLES
NOT PUNCHED

12" (304.8)

4-5/8" 
(117.5)

14 GA. (1.7) CHANNEL
REINFORCEMENT

FINISHED FLOOR

12" (304.8)

PER
TEMPLATE

PER
TEMPLATE

12 GA. (2.6)
REINFORCEMENT

TRIM HOLES
NOT PUNCHED

48" (1219.2) TO \( \gamma \) STRIKE
ON FRAME
(STANDARD)
LOCK PREPARATION IS FOR COVER PLATE TO BE SURFACE APPLIED.
COVER PLATE IS FURNISHED BY OTHERS.

STANDARD CURRIES BACKSET LOCATION IS FOR POCKET LOCK MOUNTED ON MOUNTING PLATE WITHOUT SHIMS.

12 GA. (2.6) REINFORCEMENT (BLANK - NO DRILL AND TAP)

CUT OUT PER TEMPLATE

PER TEMPLATE

PER TEMPLATE

CUT OUT PER TEMPLATE

2" DOOR

(50.8)
Flush Bolt Preparation (H1)

NOTES
1. MORTISE AND TAP PER ANSI/BHMA A156.115
2. REINFORCED IN ACCORDANCE WITH ANSI A250.6
121

857 H1 ANSI Mortise Flush Bolt Preparation
Door Technical Data
April, 2002

2” DOOR

(H1)
12” (304.8)
FROM TOP/BOTTOM OF DOOR
STANDARD

(H124)
24” (609.6)
FROM TOP
12” (304.8)
FROM BOTTOM

(H136)
36” (914.4)
FROM TOP
12” (304.8)
FROM BOTTOM

6-3/4”
(171.5)

12 GA. (2.6)
REINFORCING

Experience a safer
and more open world
STANDARD CLEARANCES SHOWN WITH SQUARE EDGE DOORS AND MORTISE HINGES. HARDWARE APPLICATIONS CAN CHANGE STILES, BEVELS, AND BOTTOM UNDERCUT. ALWAYS ADVISE FACTORY OF FRAME SIZE AND COMPLETE HARDWARE SET WHEN ORDERING.
CURRIStain and CURRIStain Smooth Grain (SG) Door with “h” Astragal

Door Technical Data

August, 2020

CURRIStain (A1) 18 (1.1) or 16 (1.3) gauge galvanneal steel with .005” deep oak wood grain embossment.

CURRIStain SG (A2) 18 (1.1) or 16 (1.3) gauge galvanized smooth steel with tight grain stain design similar to cherry or maple.

Available 707 or 727 series “S” edge seam only.

4’0” x 9’0” (1219 x 2743.2) max. door size for 707.

4’0” x 8’0” (1219 x 2438.4) max. door size for 727.

Type 1 and Type 2 window kits available.

CURRIStain and CURRIStain SG Finish Colors

<table>
<thead>
<tr>
<th>Color</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Natural</td>
<td>Cocoa</td>
</tr>
<tr>
<td>Wheat</td>
<td>Cabernet</td>
</tr>
<tr>
<td>Cashew</td>
<td>Java</td>
</tr>
</tbody>
</table>

Custom Color Match

Custom stain color matching is available. Send physical sample to be matched to your Customer Service Professional. Additional lead-times may apply.

Stain

Stains used are solvent based products. Uniform application of stain by spraying 1 mil thickness over the entire door surface area and removing the excess stain by brushing or wiping the surface to obtain the desired color and effect. Six standard color choices are available (natural, wheat, cashew, cocoa, cabernet, or java). Custom color matching available for virtually any color.

Topcoat

A urethane with UV inhibitors topcoat is spray applied evenly across the surfaces. This UV resistant topcoat provides excellent resistance to normal wear and abuse. This topcoat is proven to be a solid performer for exterior as well as interior installations. The coating system was successfully tested to ANSI Standard A250.3.

Warranty

CURRIES steel doors have a warranty for one year on materials and craftsmanship after delivery to the jobsite. CURRIStain factory finish products include this one year warranty. Incidental nicks and scratched may be repaired using touch up “pens” available from the CURRIES factory.

Note: Substitute door series 727 for 707 when temperature rise listed openings are required. 727 doors use a “temperature rise core” in lieu of polystyrene or polyurethane core.

Specifications

Stainable wood grained steel doors shall be as manufactured by CURRIES, Mason City, Iowa. Doors shall be 707 and 727 series construction with continuous hinge and lock channel construction the full height of the door. Hinge and lock mounting preparations are integrally formed into these channels. Inverted top and bottom channel construction provides a full perimeter channel door infrastructure with door face skins supported by either a polystyrene core or polyurethane core permanently bonded to the face skins as required for insulating values on all openings. Doors shall be manufactured of galvanneal steel for corrosion resistance. Door face skins can be grained .005 deep or wood grain stain design on smooth steel with the color requested by the building owner. Doors are available handed as single doors or pairs of doors with or without fire resistance ratings. Doors are factory stained and sealed with the owner’s choice of CURRIES standard colors.

CURRIStain Astragal (code k)

“h” astragal 18 (1.1) gauge woodgrain embossment (code k). Inactive leaf preparations only! Blank, strike (E1), and or flush bolt (H1) preparations. Screw applied available for CURRIStain door only. 9” (2743.2) maximum height will fit both beveled edge and square edge doors.
<table>
<thead>
<tr>
<th>GLASS THICKNESS</th>
<th>POCKET SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>TYPE 1 AND 2 CURRIES AND WOODGRAIN KITS</strong></td>
<td></td>
</tr>
<tr>
<td>0.1875&quot; to 0.25&quot;</td>
<td>Standard Pocket</td>
</tr>
<tr>
<td>0.3125&quot; to 0.50&quot;</td>
<td>Special Pocket</td>
</tr>
<tr>
<td>0.5625&quot; to 0.75&quot;</td>
<td>Special Pocket</td>
</tr>
<tr>
<td>0.8125&quot; to 1.00&quot;</td>
<td>Special Pocket</td>
</tr>
<tr>
<td><strong>TYPE 3 KIT</strong></td>
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<tr>
<td>0.25&quot;</td>
<td>Standard Pocket</td>
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<tr>
<td>0.375&quot;</td>
<td>Special Pocket</td>
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<tr>
<td>0.50&quot;</td>
<td>Special Pocket</td>
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<td><strong>TYPE 4 KIT</strong></td>
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<td>0.25&quot;</td>
<td>Standard Pocket</td>
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<tr>
<td>0.375&quot;</td>
<td>Special Pocket</td>
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<tr>
<td>0.75&quot;</td>
<td>Special Pocket</td>
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<tr>
<td><strong>TYPE 7 KIT</strong></td>
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<tr>
<td>0.25&quot;</td>
<td>Standard Pocket</td>
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<tr>
<td>0.375&quot;</td>
<td>Special Pocket</td>
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<tr>
<td>0.5&quot;</td>
<td>Special Pocket</td>
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<tr>
<td><strong>TYPE 8 KIT</strong></td>
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<td>0.25&quot;</td>
<td>Standard Pocket</td>
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<tr>
<td>0.375&quot;</td>
<td>Special Pocket</td>
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<tr>
<td>1.375&quot;</td>
<td>Special Pocket</td>
</tr>
<tr>
<td><strong>TYPE 9 AND 10 ASSA KITS</strong></td>
<td></td>
</tr>
<tr>
<td>0.1875&quot; to 0.3125&quot;</td>
<td>Standard Pocket</td>
</tr>
<tr>
<td>0.375&quot; to 0.50&quot;</td>
<td>Special Pocket</td>
</tr>
<tr>
<td>0.5625&quot; to 0.75&quot;</td>
<td>Special Pocket</td>
</tr>
<tr>
<td>0.8125&quot; to 1.00&quot;</td>
<td>Special Pocket</td>
</tr>
</tbody>
</table>
**Glass Moulding Type 7**

Door Technical Data

May, 2013

* POCKET SIZE 3/8" (9.5), 1/2" (12.7), 5/8" (15.9), 3/4" (19.1), 7/8" (22.2), FOR 1-3/4" (44.45) DOORS

3/8" (9.5) THROUGH 1-1/8" (28.6) IN 1/8" INCREMENTS FOR 2" (50.8) DOORS

GLASS THICKNESS PLUS .125 = POCKET

**Glass Moulding Type 8**

* POCKET SIZE

3/8" (9.5), THROUGH 1-5/8" (41.3) FOR 1-3/4" (44.5) DOORS

3/8" (9.5) THROUGH 1-7/8" (47.6) IN 1/8" INCREMENTS FOR 2" (50.8) DOORS

GLASS THICKNESS PLUS .125 = POCKET
**G13C “VON DURPIN” Recessed Vertical Rod Exit Device (LBR)**

**Door Technical Data**

**June, 2004**

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**Section A–A**

- **7 (4.5) GA. REINFORCEMENT**
- **1/4" (6.3) RETURN FORMED IN SKIN**
- **SECTION A–A**

---

- **CUTOUT WIDTH**
  - 24-5/32" (613.6)
  - 30-5/32" (765.9)

- **NOMINAL**
  - **DOOR WIDTH, W**
    - 2'6" (762.0) ≤ W < 2'10" (863.6)
    - 2'10" (863.6) ≤ W ≤ 5'0" (1524)

**THE DEVICE IS FIRE RATED FOR USE ON PAIRS UP TO 8’0" X 10’0", 3 HOURS DOUBLE EGRESS DOORS AND 90 MINUTE DOORS SWINGING IN THE SAME DIRECTION.**

**1-3/4" (44.4) DOOR ONLY**

**NOT AVAILABLE ON:**
- EMBOSSED PANEL DOORS
- 20 (.91) GAUGE DOORS
- 607 SERIES DOORS
- 737 SERIES DOORS
- 2" (50.8) THICK DOORS

---

**Experience a safer and more open world**
The Curries Electrolynx Cable is equipped with the Electrolynx System of plug-in connectors for fast, easy, connection to similarly equipped Assa Abloy hardware. The Electrolynx cable has 12 conductors of 22 ga. wire in a jacket, with Electrolynx connectors on the hardware prep end only. Power over Ethernet (PoE) cables are also available.

Neither cable will fit our raceway. Raceway is intended for pulling nonjacketed individual conductors.

Available in these Curries Door Series
707  757
727  777
737  847
747  857

Caution is recommended when installing surface applied hardware in areas holding system wiring.

* Based on 3/4" (19) end channel depth. Varies for hardware mounted in bottom of door (EG-door bottoms).

** Minimum of three hinges when Electrolynx cable is ordered. Standard location shown. Some hardware and trim combinations will require multiple Electrolynx cables. Additional electric hinge preparations for multiple Electrolynx cables are required.
Glass Moulding Type 11
Door Technical Data
August, 2013

3/8" (9.5), 1/2" (12.7), AND 5/8" (15.8) POCKETS ONLY
1-3/4" (44.5) DOORS ONLY

THIS SURFACE PUNCHED AND COUNTERSUNK, ON CENTER, FOR #6-20 OVAL HEAD SCREW.

REMOVABLE MOULDING

NOTE:
REMOVABLE MOULDING IS ALWAYS ON THE INTERIOR SIDE UNLESS NOTED DIFFERENTLY ON THE ORDER.

DOOR SKIN

MOULDING WELDED

GLASS THICKNESS PLUS .125 = POCKET
GLASS SIZE IS 1" LARGER THAN VISIBLE
REMOVABLE SIDE CUTOUT SIZE IS 1-1/4" LARGER THAN VISIBLE

#6 SCREW

VARIES

5/8" (15.9)

REMOVABLE STOP
(18 GA.) 5/8"
(15.9) X 5/8" (15.9)

SPOT WELD

18 GA.

SPOT WELD

3-1/8" (79.3) MINIMUM STILE AND RAIL AVAILABLE WITH TYPE 11 MOULDING.
"NO FIRE LISTING," LIMITED HARDWARE.

Experience a safer
and more open world
• 16 GA. INSULATED TUBULAR STEEL
• FLUSH TOP
• CONTINUOUSLY WELDED CORNERS
• FLUSH GLAZING
• 5-5/8" STILES AND TOP RAIL
  (OPTIONAL 3-5/8" and 7-5/8")
• 12-5/8" BOTTOM RAIL
  (OPTIONAL 10-5/8", 14-5/8"
  OR 16-5/8")
• OPTIONAL CENTER RAIL
• BEVELED LOCK & HINGE EDGE

NOTE: RACEWAYS, ELECTRIC HINGES, OR EPT PREPS
ARE NOT ALLOWED
TOP RAIL – FLUSH SEAMLESS DESIGN, 5-5/8” RAIL STANDARD, 3-5/8” RAIL AND 7-5/8” OPTIONAL

OPTIONAL CENTER RAIL – FLUSH SEAMLESS DESIGN, 5-5/8” RAIL STANDARD, 3-5/8” RAIL AND 7-5/8” OPTIONAL

BOTTOM RAIL – FLUSH SEAMLESS DESIGN, 12-5/8” BOTTOM RAIL STANDARD, 10-5/8”, 14-5/8” OR 16-5/8” RAIL OPTIONAL

CYLINDRICAL LOCK
(ANSI A115.2)
2-3/4” BACKSET
GOV. 160/161

MORTISE LOCK
(ANSI A115.1)
2-3/4” BACKSET
GOV. 86

HINGE PREPARATION
4-1/2” OR 5” HIGH STANDARD OR HEAVY WEIGHT, FULL MORTISE ANSI A156.7, HANDED

FLUSH GLAZING
INTEGRAL FLUSH GLAZING WITH REMOVABLE GLASS BEAD
14 GA. (1.9) CHANNEL SURROUND FLUSH WITH SEAM EDGE NEXT TO SKINS

- DOOR IN A DOOR - 2 DOORS
- USE NEXT SIZE DOOR UP FOR EACH DOOR.
- LARGER DOOR MUST BE 747 CONSTRUCTION.
- MOST HINGE AND LOCK PREPARATIONS ARE AVAILABLE.
- EACH WICKET DOOR ASSEMBLY MUST BE ENGINEERED FOR PRACTICAL APPLICATION AND CLEARANCES TO ENSURE QUALITY PRODUCT SATISFACTION.
Wicket Door Handing
Door Technical Data

April, 2006

Experience a safer
and more open world
STANDARD HINGE BACKSET

2-1/4" DOOR

"G" BEVEL DOOR SHOWN

NOTE: TYPE 3 AND 4 CONCEALED MOULDING ONLY
Type 9 & 10 Window Moulding

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<thead>
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<td>FV</td>
<td>10&quot; (254) X 10&quot; (254)</td>
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<tr>
<td>FV1</td>
<td>12&quot; (304.8) X 12&quot; (304.8)</td>
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Type 9 & 10 Window Moulding

STANDARD LOCATIONS FOR DOORS 7'2" (2184.4) AND UNDER

STANDARD LOCATIONS FOR DOORS OVER 7'2" (2184.4)

Experience a safer and more open world
Type 9 & 10 Window Moulding

F NV4

- 6-1/4" (158.8)
- 8-1/4" (209.6)
- 33" (838.2)

F NV5

- 6-1/4" (158.8)
- 8-1/4" (209.6)
- 24" (609.6)

F NV6

- 6-1/4" (158.8)
- 8-1/4" (209.6)
- 20" (508)

STANDARD LOCATIONS FOR DOORS 7'2" (2184.4) AND UNDER

Experience a safer and more open world
Type 9 & 10 Window Moulding

**FNV7**

- 6-1/4" (158.8)
- 8-1/4" (209.6)
- 24" (609.6)
- 6" (152.4)

**FNV8**

- 6-1/4" (158.8)
- 8-1/4" (209.6)
- 30" (762)
- 6" (152.4)

**FNV9**

- 6-1/4" (158.8)
- 8-1/4" (209.6)
- 25" (635)
- 4" (101.6)

**STANDARD LOCATIONS FOR DOORS 7'2" (2184.4) AND UNDER**

FINISHED FLOOR

FINISHED FLOOR

FINISHED FLOOR

VARIES

VARIES

VARIES

Experience a safer and more open world
Type 9 & 10 Window Moulding

STANDARD LOCATIONS FOR DOORS 7’2” (2184.4) AND UNDER

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<th>Door Size</th>
<th>Lite Location</th>
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<td>48” (1219.2)</td>
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<tr>
<td>54” (1371.6)</td>
<td>2FNV3</td>
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<td>6” (152.4)</td>
<td>2FNV</td>
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*NOTE LIMITATIONS OF LABEL IF L TO BE USED

FINISHED FLOOR

STANDARD LOCATIONS FOR DOORS OVER 7’2” (2184.4)

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*NOTE LIMITATIONS OF LABEL IF L TO BE USED

FINISHED FLOOR
Type 9 & 10 Window Moulding

### 2FNV4

- **Width**: 8-1/4" (209.6)
- **Height**: 33" (838.2)
- **Finish**: Varies
- **Stiles**: 3" (76.2)

### 2FNV5

- **Width**: 8-1/4" (209.6)
- **Height**: 24" (609.6)
- **Finish**: Varies
- **Stiles**: 4" (101.6)

### 2FNV6

- **Width**: 8-1/4" (209.6)
- **Height**: 20" (508)
- **Finish**: Varies

*Minimum 6" (152.4) stiles to be label approved*

**Standard Locations for Doors 7'2" (2184.4) and under**

**Experience a safer and more open world**
**Type 9 & 10 Window Moulding**

- **2FNV4**
  - 6-1/4" (158.8)
  - 6-1/4" (158.8)
  - VARIES
  - 3" (76.2)
  - 3" (76.2)
  - 45" (1103)
  - FINISHED FLOOR

- **2FNV5**
  - 6-1/4" (158.8)
  - 6-1/4" (158.8)
  - VARIES
  - 33" (838.2)
  - 24" (609.6)
  - 54" (1323)
  - FINISHED FLOOR

- **2FNV6**
  - 6-1/4" (158.8)
  - 6-1/4" (158.8)
  - VARIES
  - 5" (127)
  - 5" (127)
  - 58" (1421)
  - FINISHED FLOOR

* MINIMUM 6" (152.4) STILES TO BE LABEL APPROVED

**STANDARD LOCATIONS FOR DOORS OVER 7'2"**

**Glass Sizes (Visible) and Lite Locations 2FNV**

Door Technical Data

February, 2009
Glass Sizes (Visible) and Lite Locations HG, HG2
Door Technical Data
February, 2009

Type 9 & 10 Window Moulding

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<td>27-1/4&quot; (692.1)</td>
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<td>2'4&quot; (711.2)</td>
<td>15-5/16&quot; (388.9)</td>
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### Glass Sizes (Visible) and Lite Locations HG2, HG4

#### Door Technical Data

May, 2014

#### Type 9 & 10 Window Moulding

**HG3**

- 6-1/4" (158.8)
- 6-1/4" (158.8)
- 8-1/4" (209.6)
- VARIES (EQUAL)
- SEE MUNTIN BAR
- 44-3/8" (1127.1)

**HG4**

- 6-1/4" (158.8)
- 6-1/4" (158.8)
- 8-1/4" (209.6)
- VARIES (EQUAL)
- 44-3/8" (1127.1)

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Glass Sizes (Visible) and Lite Locations HG6, HG9

Door Technical Data

May, 2014

Type 9 & 10 Window Moulding

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<td>8-1/2&quot; (215.9)</td>
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<td>6'8&quot; (2032)</td>
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<td>5-9/64&quot; (130.6)</td>
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NOTE: FOR DOORS OVER 7'2" (2184.4) UP TO AND INCLUDING 8'0" (2438.4) STILE AND RAIL DIMENSIONS SHOWN ARE MAINTAINED. OVER 8'0" (2438.4) A MAXIMUM 44" (1117.6) VISIBLE HEIGHT IS AVAILABLE ON HG TYPE DOORS. OVER 44" (1117.6) VISIBLE HEIGHT IS CONSIDERED A FG DOOR. ALWAYS INDICATE LOCATION OF LIGHT ON DOOR FACE WHEN ORDERING DOORS OVER 8'0" (2438.4).

Experience a safer and more open world
Glass Sizes (Visible) and Lite Locations FG, FGL
Door Technical Data
February, 2009

Type 9 & 10 Window Moulding

<table>
<thead>
<tr>
<th>DOOR WIDTH</th>
<th>VISIBLE WIDTH</th>
<th>DOOR HEIGHT</th>
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<td>6'8&quot; (2032)</td>
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**NOTE:** FOR DOORS OVER 7’2” (2184.4) UP TO AND INCLUDING 8’0” (2438.4) STILE AND RAIL DIMENSIONS SHOWN ARE MAINTAINED. OVER 8’0” (2438.4) A MAXIMUM 44” (1117.6) VISIBLE HEIGHT IS AVAILABLE ON HG TYPE DOORS. OVER 44” (1117.6) VISIBLE HEIGHT IS CONSIDERED A FG DOOR. ALWAYS INDICATE LOCATION OF LIGHT ON DOOR FACE WHEN ORDERING DOORS OVER 8’0” (2438.4).
Glass Sizes (Visible) and Lite Locations FG2, FG3, FG4

Door Technical Data

February, 2009

Type 9 & 10 Window Moulding

*NOTE: A minimum 6" stile and 6" rail is required for fire label listed door

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<th>DOOR HEIGHT</th>
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Experience a safer
and more open world
Type 9 & 10 Window Moulding

**FVL**
- **FV** = FULL VISION STANDARDS
- **L** = LOUVER STANDARDS

**FNVL**
- **FNV** = FULL NARROW VISION STANDARDS
- **L** = LOUVER STANDARDS

**EXAMPLE:**
- **FV**
  - 12" X 12" (305 X 305) FULL VISION LITE
  - 18" X 12" (457 X 305) LOUVER

**EXAMPLE:**
- **FNV**
  - 6" X 36" (152 X 914) NARROW VISION LITE
  - 18" X 12" (457 X 305) LOUVER

**PROVIDE CUTOUT ONLY SIZE FOR LOUVERS**
Type 9 & 10 Window Moulding

HGL

- HG = HALF GLASS STANDARDS
- L = LOUVER STANDARDS

EXAMPLE:

WINDOW PANE-HALF GLASS
18" X 12" (457 X 305) LOUVER

PROVIDE CUTOUT ONLY SIZE FOR LOUVERS
Type 9 & 10 Window Moulding

**Door Width for 3FNV Must Be At Least 3'7" (1092.2) Wide!**

**Note:** Minimum 6" stiles to be fire label listed.

Face Type Locations FD, FDFV

Experience a safer and more open world
Type 9 & 10 Window Moulding

FDFNV
- **FD** = FLUSH DUTCH
- **FNV** = FULL NARROW VISION STANDARDS

FDHG
- **FD** = FLUSH DUTCH
- **HG** = HALF GLASS STANDARDS

**EXAMPLE:**
- **FDFNV1**
  - FLUSH DUTCH
  - 6" X 36" (152 X 914) NARROW VISION LITE

**EXAMPLE:**
- **FDHG**
  - (3) WINDOW PANE-HALF GLASS

Experience a safer
and more open world
Type 9 & 10 Window Moulding

**FDHGL**
- **FD** = FLUSH DUTCH
- **HG** = HALF GLASS STANDARDS
- **L** = LOUVER STANDARDS

**FDFNVL**
- **FD** = FLUSH DUTCH
- **FNV** = FULL NARROW VISION STANDARDS
- **L** = LOUVER STANDARDS

**Example:**
- FLUSH DUTCH (3) WINDOW PANE-HALF GLASS
  - 18" X 12" (457 X 305) LOUVER
- FLUSH DUTCH
  - 6" X 36" (152 X 914) NARROW VISION LITE
  - 18" X 12" (457 X 305) LOUVER

**Provide cutout only size for louvers**
Type 9 & 10 Window Moulding

Type 9 & 10 Kits

NOTE:
GLASS SIZE IS .875 LARGER THAN VISIBLE.
DOOR CUTOUT IS 2.125" LARGER THAN VISIBLE.
Type 9 & 10 Window Moulding

FMS
FMS = FLUSH MAIL SLOT

HGMS
HG = HALF GLASS STANDARDS
MS = MAIL SLOT

EXAMPLE:
(3) WINDOW PANE-HALF GLASS MAIL SLOT

FINISHED FLOOR

6-1/4" (158.8)
8-1/4" (209.6)

VARIES

30" (762)

30" (762)

6-1/4" (158.8)
Type 9 & 10 Window Moulding

**Face Type Locations FVMS, FNVMS**

**Door Technical Data**

February, 2010

---

**FVMS**

- **FV** = FULL VISION STANDARDS
- **MS** = MAIL SLOT

**FNVMS**

- **FNV** = FULL NARROW VISION STANDARDS
- **MS** = MAIL SLOT

<table>
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<th>FVMS</th>
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<td>FV1MS</td>
<td>12&quot; (304.8) X 12&quot; (304.8)</td>
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**Example:**

- **FNV1MS**
  - 6" X 36" (152 X 914) NARROW VISION LITE
  - MAIL SLOT

---

Experience a safer

and more open world
AVAILABLE WITH TYPE 1, 3, AND 9 WITH 3/8" POCKET ONLY

MUNTIN BAR PART NUMBER: CD002402

VERTICAL MUNTIN FOR 1/4" (6.4) GLASS ONLY!

HORIZONTAL MUNTIN FOR 1/4" (6.4) GLASS ONLY!

NOTCH VERTICAL MUNTIN 3/16" (4.8) TO FIT INSIDE HORIZONTAL MUNTIN

MULTIPLE GLASS SIZES MAY VARY SLIGHTLY DUE TO MUNTIN POCKET DEPTH

VISION LITE FRAME

HORIZONTAL MUNTIN

NOTCH HORIZONTAL MUNTIN 3/8" (9.5) TO FIT INSIDE WINDOW KIT FRAME

5-1/8" (130.2) MINIMUM BETWEEN VISIBLE GLASS AREAS. (INCLUDES MOULDING)

VISIBLE GLASS
Type 9 & 10 Window Moulding

HINGE OR LOCK CHANNEL

20 GAUGE (.91) STANDARD CHANNEL REINFORCING STANDARD

#8 X 1-1/2” OHSMS

20 GA. (.91) GALV. STEEL GLASS MOULDING

1-1/2” (38.1)

INVERTED TOP OR BOTTOM CHANNEL

OUTSIDE SKIN

Experience a safer and more open world
Type 9 & 10 Window Moulding

NOTE: ON FIRE LABEL DOORS USE A 6" (152.4) MINIMUM STILE BETWEEN VISIBLE GLASS AREAS AND BETWEEN VISIBLE GLASS AND EDGES OF DOOR.
1-3/4" VERTICALLY STEEL STIFFENED
FIBERGLASS CORE DOOR
BEVELED LOCK EDGE, HANDED
MAXIMUM GLASS THICKNESS - 1"

MAXIMUM FIRE LABEL - 180 MINUTE
MAXIMUM SIZE 4'0" X 8'0" SINGLE
MAXIMUM SIZE 8'0" X 8'0" PAIRED*
MAXIMUM SIZE 8'0" X 9'0" PAIRED - 90 MINUTE*

*NO ASTRAGAL REQUIRED

14 GA. (1.9)
CLOSER REINFORCEMENT CHANNEL
(OPTIONAL)

22 GA. (.75) RIBS STANDARD
WELDED EVERY 5" ALONG THE LENGTH TO A
22 GA. (.75) CORE PLATE. CORE IS CHEMICALLY
BONDED TO ALL INTERIOR SURFACES

16 GA. (1.4)
TOP END CHANNEL

LOCK PREPARATION
AS REQUIRED

18 GA. (1.2), 16 GA. (1.4)
OR 14 GA. (1.9) FACE SKINS

16 GA. (1.4)
BOTTOM END CHANNEL
162 Door Honeycomb Core Construction
Door Technical Data
September, 2014

AVAILABLE IN 1-3/4” THICKNESS ONLY

16 GA. (1.9) CLOSER REINFORCEMENT CHANNEL (OPTIONAL)
16 GA. (1.4) TOP END CHANNEL
14 GA. (1.9) STANDARD HINGE CHANNEL
12 GA. (2.6) SPECIAL ORDER
HONEYCOMB CORE
14 GA. (1.9) LOCK CHANNEL
LOCK PREPARATION AS REQUIRED
20 GA. (0.9) - 14 GA. (1.9) FACE SKINS BONDED TO CORE
16 GA. (1.4) BOTTOM END CHANNEL

Experience a safer and more open world
THE CURRIES NON-RATED LOUVER FOR 1-3/4” DOORS PROVIDES 50% FREE AIR FLOW WHILE FASTENING TO ONE SIDE TO ENSURE SECURITY.
1-3/4" VERTICALLY STEEL STIFFENED POLYURETHANE CORE DOOR
BEVELED LOCK EDGE, HANDED

1-3/4" VERTICALLY STEEL STIFFENED FIBERGLASS CORE DOOR
BEVELED LOCK EDGE, HANDED

MAXIMUM GLASS THICKNESS - 1"

14 GA. (1.9)
CLOSER REINFORCEMENT CHANNEL
(OPTIONAL)

22 GA. (.75) RIBS STANDARD
WELDED EVERY 5" ALONG THE LENGTH TO A 22 GA. (.75) CORE PLATE. CORE IS CHEMICALLY BONDED TO ALL INTERIOR SURFACES

18 GA. (1.2) OR 16 GA. (1.4)

16 GA. (1.4)
BOTTOM END CHANNEL

16 GA. (1.4)
TOP END CHANNEL

16 GA. (1.4)

FOAM IN PLACE POLYURETHANE

LOCK PREPARATION AS REQUIRED

* THE U AND R VALUES WERE OBTAINED BY TESTING TO NFRC 102-2014 IN A CURRIES MERCURY THERMAL BROKEN FRAME.

MAXIMUM FIRE LABEL - 3 HOURS FOR UL
MAXIMUM SIZE SINGLES - 4'0" X 8'0"
MAXIMUM SIZE PAIRS - 8'0" X 8'0"

MAXIMUM FIRE LABEL - 90 MIN. WH
MAXIMUM SIZE SINGLES - 4'0" X 8'0"
PAIRS NOT AVAILABLE IN WH

POLYURETHANE DOOR ASSEMBLY
THERMAL CHARACTERISTIC:
U FACTOR - 0.36 (NFRC 102-2014)*
R FACTOR - 2.78 (NFRC 102-2014)*
**THE U AND R VALUES WERE OBTAINED BY TESTING TO NFRC 102-2014 IN A CURRIES MERCURY THERMAL BROKEN FRAME.**

16 GA. (1.4)
TOP END CHANNEL

FOAM IN PLACE
POLYURETHANE

LOCK PREPARATION
AS REQUIRED

18 GA. (1.2), 16 GA. (1.4), OR 14 GA. (1.9)

* THE U AND R VALUES WERE OBTAINED BY TESTING TO NFRC 102-2014 IN A CURRIES MERCURY THERMAL BROKEN FRAME. **
KERALITE® FILMED GLASS (FIG03) and (FIG03E)

GLASS DESCRIPTION

CERAMIC, FILMED FIRE AND SAFETY RATED GLASS

BRAND NAME: KERALITE
GRADE: STANDARD
THICKNESS: 3/16" NOMINAL
WARRANTY: 3 YEARS LIMITED
INCLUDES: PVC CLOSED CELL FOAM GLAZING TAPE, EXTERIOR DOORS WILL HAVE DUO-SIL FOR CAP BEAD

IMPACT SAFETY RATING: CAT 1, CAT II, CPSC 16CFR1201

FIRE LISTINGS

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<th>RATING</th>
<th>MAXIMUM EXPOSED AREA</th>
<th>MAXIMUM WIDTH</th>
<th>MAXIMUM HEIGHT</th>
<th>DOOR SERIES</th>
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<td>36&quot;</td>
<td>76&quot;</td>
<td>707, 747, 777 847, 857</td>
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<td>45, 60, AND 90 TR*</td>
<td>100 SQ IN PER LEAF</td>
<td>12&quot;</td>
<td>33&quot;</td>
<td>727, 747-TR*</td>
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<tr>
<td>180</td>
<td>100 SQ IN PER LEAF</td>
<td>12&quot;</td>
<td>33&quot;</td>
<td>707, 727, 747, 747-TR*, 777, 847, 857</td>
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*TEMPERATURE RISE

KERALITE® LAMINATED GLASS (FIG04) and (FIG04E)

GLASS DESCRIPTION

CERAMIC, LAMINATED FIRE AND SAFETY RATED GLASS

BRAND NAME: KERALITE
GRADE: STANDARD
THICKNESS: 5/16" NOMINAL
WARRANTY: 5 YEARS LIMITED
INCLUDES: PVC CLOSED CELL FOAM GLAZING TAPE, EXTERIOR DOORS WILL HAVE DUO-SIL FOR CAP BEAD

IMPACT SAFETY RATING: CAT 1, CAT II, CPSC 16CFR1201

FIRE LISTINGS

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*TEMPERATURE RISE
**FIRELITE® NT GLASS (FIG05) and (FIG05E)**

**GLASS DESCRIPTION**

CERAMIC, FILMED FIRE AND SAFETY RATED GLASS

**BRAND NAME:** FIRELITE NT

**GRADE:** PREMIUM

**THICKNESS:** 3/16” NOMINAL

**WARRANTY:** 3 YEARS LIMITED

**INCLUDES:** PVC CLOSED CELL FOAM GLAZING TAPE, EXTERIOR DOORS WILL HAVE DUO-SIL FOR CAP BEAD

**IMPACT SAFETY RATING:** CAT 1, CAT II, CPSC 16CFR1201, AND ANSI Z97.1

**FIRE LISTINGS**

UL APPROVED, POSITIVE PRESSURE. GLASS IS MARKED IN ACCORDANCE WITH INTERNATIONAL BUILDING CODE SECTION 715.4.6 AND 2406.

<table>
<thead>
<tr>
<th>RATING</th>
<th>MAXIMUM EXPOSED AREA</th>
<th>MAXIMUM WIDTH</th>
<th>MAXIMUM HEIGHT</th>
<th>DOOR SERIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>20, 45, AND 60</td>
<td>3204 SQ IN</td>
<td>36”</td>
<td>89”</td>
<td>707, 747, 777, 847, 857</td>
</tr>
<tr>
<td>90</td>
<td>2034 SQ IN</td>
<td>36”</td>
<td>56.5”</td>
<td>707, 747, 777, 847, 857</td>
</tr>
<tr>
<td>45, 60, AND 90 TR*</td>
<td>100 SQ IN PER LEAF</td>
<td>12”</td>
<td>33”</td>
<td>727, 747-TR*</td>
</tr>
<tr>
<td>180</td>
<td>100 SQ IN PER LEAF</td>
<td>12”</td>
<td>33”</td>
<td>707, 727, 747, 747-TR*, 777, 847, 857</td>
</tr>
</tbody>
</table>

*TEMPERATURE RISE

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**FIRELITE® PLUS GLASS (FIG06) and (FIG06E)**

**GLASS DESCRIPTION**

CERAMIC, LAMINATED FIRE AND SAFETY RATED GLASS

**BRAND NAME:** FIRELITE PLUS

**GRADE:** PREMIUM

**THICKNESS:** 5/16” NOMINAL

**WARRANTY:** 5 YEARS LIMITED

**INCLUDES:** PVC CLOSED CELL FOAM GLAZING TAPE, EXTERIOR DOORS WILL HAVE DUO-SIL FOR CAP BEAD

**IMPACT SAFETY RATING:** CAT 1, CAT II, CPSC 16CFR1201, AND ANSI Z97.1

**FIRE LISTINGS**

UL APPROVED, POSITIVE PRESSURE. GLASS IS MARKED IN ACCORDANCE WITH INTERNATIONAL BUILDING CODE SECTION 715.4.6 AND 2406.

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<td>20 AND 45</td>
<td>3204 SQ IN</td>
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<tr>
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<td>12”</td>
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<td>707, 727, 747, 747-TR*, 777, 847, 857</td>
</tr>
</tbody>
</table>

*TEMPERATURE RISE

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1/4” TEMPERED GLASS (FIG01) and (FIG01E)

GLASS DESCRIPTION

1/4” CLEAR TEMPERED GLASS
QUALITY RATING: Q3, ASTM C1036-06
THICKNESS: 1/4” NOMINAL
WARRANTY: 1 YEAR LIMITED
INCLUDES: PVC CLOSED CELL FOAM GLAZING TAPE
EXTERIOR DOORS WILL HAVE DUO-SIL FOR CAP BEAD
IMPACT SAFETY RATING: CAT 1, CAT II, CPSC 16CFR1201
GLASS IS MARKED IN ACCORDANCE WITH INTERNATIONAL BUILDING CODE SECTION 2406
CANNOT BE USED ON FIRE RATED DOORS

1/4” FILMED WIRE GLASS (FIG02) and (FIG02E)

GLASS DESCRIPTION

1/4” FILM WIRE, FIRE AND IMPACT SAFETY RATED GLASS
QUALITY RATING: Q6, ASTM C1036-06
THICKNESS: 1/4” NOMINAL
WIRE PATTERN: MISCO (DIAMOND PATTERN), BAROQUE (SQUARE PATTERN)
WARRANTY: 1 YEAR LIMITED
INCLUDES: PVC CLOSED CELL FOAM GLAZING TAPE OR PEMKO FG 300090 OR 300045 AS REQUIRED,
EXTERIOR DOORS WILL HAVE DUO-SIL FOR CAP BEAD
IMPACT SAFETY RATING: CAT 1, CAT II, CPSC 16CFR1201, AND ANSI Z97.1

FIRE LISTINGS

UL AND INTERTEK/WARNCK-HERSEY APPROVED,
POSITIVE PRESSURE. GLASS IS MARKED IN ACCORDANCE
WITH INTERNATIONAL BUILDING CODE SECTION
715.4.6 AND 2406.

<table>
<thead>
<tr>
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<th>MAXIMUM EXPOSED AREA</th>
<th>MAXIMUM WIDTH</th>
<th>MAXIMUM HEIGHT</th>
<th>DOOR SERIES</th>
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<tr>
<td>20, AND 45</td>
<td>1296 SQ IN</td>
<td>36”</td>
<td>54”</td>
<td>707, 747, 777 847, 857</td>
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<tr>
<td>45 TR*</td>
<td>100 SQ IN</td>
<td>12”</td>
<td>33”</td>
<td>727, 747-TR*</td>
</tr>
<tr>
<td>60</td>
<td>100 SQ IN</td>
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<td>707, 727, 747 747-TR*, 777, 847, 857</td>
</tr>
<tr>
<td>20, AND 45</td>
<td>1296 SQ IN</td>
<td>34”</td>
<td>84”</td>
<td>707, 747, 777 847, 857</td>
</tr>
<tr>
<td>PEMKO FG 300090</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>60</td>
<td>552 SQ IN</td>
<td>12”</td>
<td>46”</td>
<td>707, 747, 777 847, 857</td>
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<tr>
<td>90</td>
<td>552 SQ IN</td>
<td>12”</td>
<td>46”</td>
<td>707, 747, 777 847, 857</td>
</tr>
</tbody>
</table>

*TEMPERATURE RISE
INSULATED GLASS

5/8" INSULATED GLASS (FIG07E)

GLASS DESCRIPTION

5/8" OVERALL INSULATING. LoE2 TEMPERED, ARGON FILLED
THICKNESS: 5/8" NOMINAL
WARRANTY: 10 YEARS LIMITED
INCLUDES: PVC CLOSED CELL FOAM GLAZING TAPE AND DUO-SIL CAP SEAL ON BOTH SIDES AS NEEDED
IMPACT SAFETY RATING: CAT II, CPSC 16CFR1201
GLASS IS MARKED IN: CAT II, CPSC 16CFR1201 AND 2406

CANNOT BE USED ON FIRE RATED DOORS

INSULATING PERFORMANCE

CENTER OF GLASS U FACTOR: .25 BTU/hr•°F
SHADING COEFFICIENT (SC): .42
SOLAR HEAT GAIN (SHGC): .37
UV TRANSMITTANCE: 14%

1" INSULATED GLASS (FIG08E)

GLASS DESCRIPTION

1" OVERALL INSULATING. LoE2 TEMPERED, ARGON FILLED
THICKNESS: 1" NOMINAL
WARRANTY: 10 YEARS LIMITED
INCLUDES: PVC CLOSED CELL FOAM GLAZING TAPE AND DUO-SIL CAP SEAL ON BOTH SIDES AS NEEDED
IMPACT SAFETY RATING: CAT II, CPSC 16CFR1201
GLASS IS MARKED IN: CAT II, CPSC 16CFR1201 AND 2406

CANNOT BE USED ON FIRE RATED DOORS

INSULATING PERFORMANCE

CENTER OF GLASS U FACTOR: .25 BTU/hr•°F
SHADING COEFFICIENT (SC): .41
SOLAR HEAT GAIN (SHGC): .36
UV TRANSMITTANCE: 13%
12 GA. (2.6) HINGE CHANNEL

14 GA. (1.9) CLOSER REINFORCEMENT CHANNEL (OPTIONAL)

6" (152) MAXIMUM SPACING

16 GA. (1.4) TOP END CHANNEL

8 LB. DENSITY MINERAL WOOL

14 GA. (1.9) LOCK CHANNEL

LOCK PREPARATION AS REQUIRED

22 GA. (.75) RIBS REQUIRED

18 GA. (1.2) OR 16 GA. (1.4) FACE SKINS SPOT WELDED TO RIBS AT 6" (152) MAX. SPACING

16 GA. (1.4) BOTTOM END CHANNEL

450°F TEMPERATURE RISE RATING ONLY

Experience a safer and more open world
**FIRE DOOR LIMITATIONS**

**MAXIMUM RATING:** 45 MINUTES (WARNOCK HERSEY)
**MAXIMUM SIZE:** 4'0" X 7'2" (ENTRANCE DOOR)
**CORE TYPE:** STEEL STIFFENED ONLY
**DOOR FACE GAUGE:** 16 OR 14
**VISION LITE:** MAXIMUM 216 SQ IN. TYPE 11 KIT
**FRAME REQUIREMENTS:** MINIMUM 16 GAUGE, KD OR WELDED, MASONRY OR DRYWALL (COMPRESSSION ANCHORS NOT ALLOWED)