# Door Technical Data

**ASSA ABLOY**, the global leader in door opening solutions

FEMA 320 Door Construction

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

18 GA. (1.2) TOP END CHANNEL

POLYSTYRENE CORE

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

LOCK PREPARATION

14 GA. (1.9) HINGE 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)

5/8” (15.8) UNDERCUT ONLY!

18 GA. (1.2) BOTTOM END CHANNEL
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) and 7’0” (2133.6) only.
DOOR CLEARANCES: Standard – 1/8” (3.1) top, 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), G3AEO (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
Assa Abloy, the global leader in door opening solutions.

707 Door Construction
Door Technical Data

March, 2007

14 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

Polystyrene Core Urethane (Optional)

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
250° Temperature Rise Rating
450° 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

TEMPERATURE RISE
COREBOARD
NOTE: Door and frame must be furnished as a complete assembly. Tested in accordance and complies with U.L. test standard 752 “Bullet Resistant Equipment”

RATINGS:
- MPSA Level 1 (Medium power small arms)
- HPSA Level 2 (High power small arms)
- U.L. File #5869

VISION PANELS:
- FV3 = Actual glass size is 12" (304.8) x 12" (304.8)
- Visible opening is 10-13/16" (274.6) X 10-13/16" (274.6)

HGI = 24" X 24"  VISIBLE = 22-13/16" X 22-13/16"  ACTUAL GLASS SIZE

1-7/8" (47.6) APPROXIMATELY
DOOR TECHNICAL DATA

January 1, 2005

12 GA. (2.6) HINGE CHANNEL

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

RIBS WELDED TOGETHER AT ENDS

6" (152) MAXIMUM SPACING

16 GA. (1.4) TOP END CHANNEL

FIBERGLASS INSULATION

22 GA. (.75) RIBS STANDARD
20 GA. (.9), 18 GA. (1.2), 16 GA. (1.4) (OPTIONAL)

14 GA. (1.9) LOCK CHANNEL

18 GA. (1.2), 16 GA. (1.4) OR 14 GA. (1.9) FACE SKINS
SPOT WELDED TO RIBS AT 6" (152) MAX. SPACING

16 GA. (1.4) BOTTOM END CHANNEL

ASSA ABLOY, the global leader in door opening solutions
757 Sound Door Construction

DOOR TECHNICAL DATA

January, 2006

12 GA. (2.6) HINGE CHANNEL
14 GA. (1.9) CLOSER REINFORCEMENT CHANNEL (OPTIONAL)
16 GA. (1.2) TOP END CHANNEL
14 GA. (1.9) LOCK CHANNEL
FIBERGLASS INSULATION
PERFORATED TOP CAP FILLED WITH FIBERGLASS INSULATION
6" (152) MAXIMUM SPACING
16 GA. (1.4) FACE SKINS ONLY SPOT WELDED TO RIBS AT 6" (152) MAX. SPACING
16 GA. (1.2) BOTTOM END CHANNEL
14 GA. (1.9) LOCK CHANNEL
LOCK PREPARATION AS REQUIRED
FLUSH DOORS CAN BE FIRE RATED TO 90 MINUTES

RIBS WELDED TOGETHER AT ENDS
22 GA. (.75) RIBS ONLY
16 GA. (1.2) FACE SKINS ONLY SPOT WELDED TO RIBS AT 6" (152) MAX. SPACING
16 GA. (1.2) BOTTOM END CHANNEL
Hinged Channel Reinforcement

DOOR TECHNICAL DATA

April 1, 2002

ASSA ABLOY, the global leader in door opening solutions

HANCED - 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

4-1/2" HINGE ONLY

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

ASSA ABLOY, the global leader in door opening solutions

April 1, 2002

NOTE: ULTIMA 4-1/2" (114.3) HINGE GIVES THE OPTION OF STANDARD OR HEAVY WEIGHT.
10
847 Security Door Construction
DOOR TECHNICAL DATA
April 1, 2002

ASSA ABLOY, the global leader in door opening solutions

L

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 (50.8)

RIBS WELDED TOGETHER AT ENDS

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

FACE SHEETS (STANDARD)
14 GA. (1.9)

4" (102) MAX. SPACING

LOCK PREPARATION AS REQUIRED

1 3/4" (35)
NOTE: RIBS ARE WELDED TOGETHER FULL WIDTH ON ENDS OF RIB.

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

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

1-3/4" (38.1)
12
847 - Security Door Hinge Channel Reinforcement
DOOR TECHNICAL DATA
April 1, 2002

ASSA ABLOY, the global leader in door opening solutions

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

A
B
C
D

PER TEMPLATE

48" (1220.6)

40" (1017.1) 42" (1068)
847 - Top (Bottom Optional) Flush Cap

DOOR TECHNICAL DATA

April 1, 2002

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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

- RIBS WELDED TOGETHER AT ENDS
- 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)
- 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)
- 16 GA. (1.4) WELDED TOP CAP
- 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

2" (50.8)
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)

2" DOOR
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
16 GA. (1.4) STANDARD

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

ARC WELDS

FILL AND FINISH SMOOTH. (OPTIONAL)
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

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 1, 2002

ASSA ABLOY, the global leader in door opening solutions

TOP PIVOT
SIZE AND TAP PER TEMPLATE

“D” BEVEL CONTINUOUS CHANNEL

7 GA. (4.5) REINFORCEMENT

PER TEMPLATE

BOTTOM PIVOT
SIZE AND TAP PER TEMPLATE

“D” BEVEL CONTINUOUS CHANNEL

7 GA. (4.5) REINFORCEMENT

PER TEMPLATE
NOTE: CURRIES PIVOT LOCATIONS ARE EQUALLY SPACED.

“D” BEVEL CONTINUOUS CHANNEL

7 GA. (4.5) REINFORCEMENT PER PIVOT

SIZE AND TAP PER TEMPLATE

1-1/8” (34.9)

10” (254)


*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" (34.9) 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.
DOOR TECHNICAL DATA

ASSA ABLOY, the global leader in door opening solutions

857 - Standard Door Clearances

April 1, 2002

2" DOOR

SINGLE

1/8" (3.2)

NOMINAL HEIGHT

NET DOOR HEIGHT

5/8" (15.9) STD. UNDERCUT

FLOOR LINE

WITHOUT ASTRAGAL

3/32" (2.9) NET DOOR WIDTH

3/16" (4.8) NET DOOR WIDTH

3/32" (2.9) NOMINAL OPENING WIDTH

2-3/16" (55.6) IN 2" (50.8) BEVEL

1/8" (3.2) 1/16" (1.6)

WITH "Z" ASTRAGAL

3/32" (2.9) NET DOOR WIDTH

1/8" (3.2) NET DOOR WIDTH

3/32" (2.9) NOMINAL OPENING WIDTH

SINGLE

3/32" (2.9) NET DOOR WIDTH

3/32" (2.9) NOMINAL OPENING WIDTH
26
Bevels (Door Edge)

DOOR TECHNICAL DATA

April 1, 2002

SQUARE

Hinge        "A" Bevel   Lock

1/8" in 2" Bevel
(3.2) in (50.8)

STANDARD DOOR BEVEL

1/8" in 2" Bevel
(3.2) in (50.8)
WITH 1/4" (6.4) RADIUS
LOW SIDE

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

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

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

Hinge        "E" Bevel   Lock

2-5/8" (66.8)
RADIUS

RADIUS SHOULD
MATCH HINGE EDGE

1/8" in 2" Bevel
(3.2) in (50.8)

SQUARE

Hinge        "F" Bevel   Lock

2-5/8" (66.8)
RADIUS

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

Hinge        "G" Bevel   Lock

1/8" in 2" Bevel
(3.2) in (50.8)

SPECIAL DOOR BEVEL
(DOUBLE BEVEL)
ASSA ABLOY, the global leader in door opening solutions

**DOOR TECHNICAL DATA**

April 1, 2002

27

847 - 857 - Security Door Bevels

**2" DOOR**

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

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<th>&quot;G&quot; BEVEL</th>
<th>LOCK</th>
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1/8" IN 2" BEVEL
(3.2) IN (50.8)

**STANDARD DOOR BEVEL**
(DOUBLE BEVEL)

SQUARE

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

**OPTIONAL DOOR BEVEL**

SQUARE

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<th>HINGE</th>
<th>&quot;B&quot; BEVEL</th>
<th>LOCK</th>
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SQUARE

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

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

WITH 1/4" (6.4) RADIUS
LOW SIDE

<table>
<thead>
<tr>
<th>HINGE</th>
<th>&quot;D&quot; BEVEL</th>
<th>LOCK</th>
</tr>
</thead>
</table>

REQUIRED WITH ALL OFFSET PIVOT HARDWARE
VERIFY ALL HARDWARE ADAPTABILITY
OPTIONAL
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
ASSA ABLOY, the global leader in door opening solutions

Standard Top/Bottom End Channels

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

* MOST AUTOMATIC DOOR BOTTOMS REQUIRE SPECIAL DEPTH CHANNEL

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

WEEP HOLES

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

BOTTOM CHANNEL
16 GA. (1.4)

DOOR SKIN

NOTE - CHANNEL GAUGE MAY VARY WITH DOOR SERIES

Pocket Door

"B" BEVEL BOTH EDGES SQUARE

NOMINAL DOOR WIDTH
LESS STANDARD, UNDER SIZE

EXAMPLE

OPEN FRAME

TOP OF DOOR

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
Panels - Transom/Side Areas 1-3/4", 1-3/8", 1", 1/2", 3/8"
DOOR TECHNICAL DATA

July 1, 2003

ASSA ABLOY, the global leader in door opening solutions

TRANSOM PANELS

SPECIFY THREE SIDED OR FOUR SIDED FRAME.
LIST NOMINAL FRAME OPENING FOR APPROPRIATE UNDERCUTS.
1-3/4" (44.5) PANEL 707 OR 747
1-3/8" (34.9) PANEL 707 ONLY
1" (25.4) PANEL COMPOSITE CORE
1/2" (12.7) PANEL COMPOSITE CORE
3/8" (9.5) PANEL COMPOSITE CORE

SIDELIGHT PANELS AND REMOVABLE DOOR PANELS

SPECIFY USE OF PANEL AND LIST NOMINAL FRAME OPENING FOR APPROPRIATE UNDERCUTS.
1-3/4" (44.5) PANEL 707 OR 747
1-3/8" (34.9) PANEL 707 ONLY
1/2" (12.7) PANEL COMPOSITE CORE
3/8" (9.5) PANEL COMPOSITE CORE

1" (25.4), 3/8" (9.5) AND 1/2" (12.7) PANELS COMPOSITE CORE
18 GA. (1.2) SKINS

VERTICAL CHANNELS

“B” BEVEL BOTH EDGES SQUARE

HORIZONTAL CHANNELS

“B” BEVEL BOTH EDGES SQUARE

WIDTH
10'0" (3048) MAXIMUM

HEIGHT
4'0" (1219.2) MAXIMUM

HEIGHT
10'0" (3048) MAXIMUM

WIDTH
4'0" (1219.2) MAXIMUM
Rigid PVC Top/Bottom Filler Cap

Vinyl cap notched at both ends to fit flush with hinge and lock channels.

Available for 1-3/4” (44.5) door only!

Steel Top/Bottom Filler Cap

Standard 20 ga. (.9) galvannealed

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.

Fill and finish smooth
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**

November, 2004

ASSA ABLOY, the global leader in door opening solutions

---

**“5” 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

1/8” (3.2) FRAME OPENING

---

**G3ARO MORTISE LOCK REINFORCEMENT**

Q OF MORTISE LOCK MAY VARY 2-1/2” (63.5)

HINGE RAIL OFFSET IS 10” LONG AT EACH LOCATION

6'10", 8'0", 10'0" DOOR HEIGHTS AVAILABLE.
10" Blank Hinge Preparation

DOOR TECHNICAL DATA

April 1, 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.

LOCATION OF HINGE PREPARATIONS

<table>
<thead>
<tr>
<th>DOOR HEIGHT</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
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<td>9-3/8&quot; (238)</td>
<td>30-1/8&quot; (765.2)</td>
<td>30-1/8&quot; (765.2)</td>
<td>9-5/8&quot; (244.5)</td>
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<td>32-1/8&quot; (816)</td>
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<tr>
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<td>9-3/8&quot; (238)</td>
<td>33-1/8&quot; (841.4)</td>
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<td>8'0&quot; (2438)</td>
<td>9-3/8&quot; (238)</td>
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<td>25-1/4&quot; (641.4)</td>
<td>25-1/4&quot; (641.4)</td>
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* LOCATION OF 4TH HINGE FOR 8'0" AND 10'0" DOOR
Standard Locations For 1-3/8" Doors

ASSA ABLOY, the global leader in door opening solutions

DOOR TECHNICAL DATA
April 1, 2002

<table>
<thead>
<tr>
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<td>9-5/8” (244.5)</td>
<td>59-7/8” (1520.8)</td>
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<td>39-9/16” (1004.9)</td>
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<td>7’0” (2133.6)</td>
<td>9-5/8” (244.5)</td>
<td>63-7/8” (1622.4)</td>
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<td>39-9/16” (1004.9)</td>
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<td>39-9/16” (1004.9)</td>
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HINGE SIZE MAY VARY - LOCATION REMAINS THE SAME

* DIMENSION SHOWN IS FOR LOCKS WITH A COMMON C ON LOCK AND STRIKE. (EXAMPLE—CYLINDRICAL LOCK)

1/8” (3.2) HEAD CLEARANCE

TWO HINGES

HINGE BACKSET 1/4” (6.4)

3/4” (19.1) UNDERCUT STANDARD

FINISHED FLOOR
**Standard Locations For 1-3/8" Doors**

**DOOR TECHNICAL DATA**

April 1, 2002

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**ASSA ABLOY**, the global leader in door opening solutions

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<table>
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*DIMENSION SHOWN IS FOR LOCKS WITH A COMMON **C** ON LOCK AND STRIKE. (EXAMPLE–CYLINDRICAL LOCK)*

---

**HINGE SIZE MAY VARY - **C** LOCATION REMAINS THE SAME**

---

**THREE HINGES**

---

**HINGE BACKSET 1/4" (6.4)**

---

**1/8" (3.2) HEAD CLEARANCE**

---

**3/4" (19.1) UNDERCUT STANDARD**

---

**FINISHED FLOOR**
### Standard Locations For 1-3/4" Doors

**DOOR TECHNICAL DATA**

ASSA ABLOY, the global leader in door opening solutions

April 1, 2002

<table>
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<td>30-1/4&quot; (768.4)</td>
<td>11-5/8&quot; (295.3)</td>
<td>39-3/8&quot; (1000.1)</td>
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<tr>
<td>6'10&quot;</td>
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</table>

**DIMENSION SHOWN IS FOR LOCKS WITH A COMMON **C** ON LOCK AND STRIKE. (EXAMPLE–CYLINDRICAL LOCK)**

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

**Three Hinges**

**Finished Floor**

**5/8" (15.9) Undercut Standard**

**Head Clearance**

Hinge size may vary - C location remains the same
### Standard Locations For 1-3/4" Doors

**DOOR TECHNICAL DATA**

**April 1, 2002**

ASSA ABLOY, the global leader in door opening solutions

<table>
<thead>
<tr>
<th>SIZE</th>
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<td>39-3/8&quot; (1000.1)</td>
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</table>

1/8" (3.2) HEAD CLEARANCE

**FOUR HINGES**

Hinge backset 1/4" (6.4)

5/8" (15.9) UNDERCUT STANDARD

* DIMENSION SHOWN IS FOR LOCKS WITH A COMMON C ON LOCK AND STRIKE. (EXAMPLE–CYLINDRICAL LOCK)

LOCATION REMAINS THE SAME

FINISHED FLOOR
## Standard Locations For 1-3/4" Dutch Doors

**DOOR TECHNICAL DATA**

**November, 2004**

ASSA ABLOY, the global leader in door opening solutions

<table>
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<tr>
<th>SIZE</th>
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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>

**FOUR HINGES**

- 1/8" (3.2) HEAD CLEARANCE
- HINGE BACKSET 1/4" (6.4)
- SHELF HEIGHT IS 42" (1066.8) STANDARD
- 5/8" (15.9) UNDERCUT STANDARD

*PLEASE INDICATE WHEN ADA COMPLIANCE IS REQUIRED.*

48" C LOCATION IS NOT PRACTICAL WITH SOME DEADLOCKS.
**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 or E4 strike prep punched in shelf

**OPTIONAL:** (SHIP LOOSE)
E2 or E4 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.

* 707 AVAILABLE TO UL10B STANDARD ONLY.
** PLEASE INDICATE WHEN ADA COMPLIANCE IS REQUIRED. 48" CL IS NOT PRACTICAL WITH SOME DEADLOCKS.
CUSTOMER TO CUT OR GRIND BEVEL ON END OF SHELF AS REQUIRED TO MATCH DOOR BEVEL AT INSTALLATION

16 GA. (1.4) STANDARD

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

CORNERS WELDED AND GROUND SMOOTH

16 GA. (1.4) STANDARD

TOP VIEW

BOTTOM VIEW
Dutch Door Double Shelf

DOOR TECHNICAL DATA

April 1, 2002

ASSA ABLOY, the global leader in door opening solutions

CUSTOMER TO CUT OR GRIND BEVEL ON END OF SHELF AS REQUIRED TO MATCH DOOR BEVEL AT INSTALLATION

**TOP VIEW**

- 16 GA. (1.4) STANDARD
- CORNERS WELDED AND GROUND SMOOTH
- NET DOOR WIDTH
  - 8” (203.2)
  - 4” (101.6)

**BOTTOM VIEW**

- 16 GA. (1.4) STANDARD
- 1-1/2” (38.1)
- 1-3/4” (44.5)
- 10” (254)

16 GA. (1.4) STANDARD
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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Glass Sizes (Visible) and Lite Locations FV, FRV

DOOR TECHNICAL DATA

April 1, 2002

ASSA ABLOY, the global leader in door opening solutions

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<td><strong>FV1</strong></td>
<td>12” (304.8) X 12” (304.8)</td>
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<td><strong>FRV</strong></td>
<td>12” (304.8) DIA. CUTOUT VISIBLE = 10”</td>
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<td><strong>FRV1</strong></td>
<td>18” (457.2) DIA. CUTOUT VISIBLE = 16”</td>
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<td><strong>FRV2</strong></td>
<td>24” (609.6) DIA. CUTOUT VISIBLE = 22”</td>
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Glass Sizes (Visible) and Lite Locations FNV

ASSA ABLOY, the global leader in door opening solutions

DOOR TECHNICAL DATA
April 1, 2002

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

FINISHED FLOOR

* NOTE LIMITATIONS OF LABEL IF ☐ TO BE USED

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

FINISHED FLOOR

* NOTE LIMITATIONS OF LABEL IF ☐ TO BE USED
50
Glass Sizes (Visible) and Lite Locations FNV
DOOR TECHNICAL DATA

April 1, 2002

ASSA ABLOY, the global leader in door opening solutions

**FNV4**

- 6" (152.4)
- 7-3/4" (196.9)
- 33" (838.2)
- VARIES

**FNV5**

- 6" (152.4)
- 7-3/4" (196.9)
- 24" (609.6)
- VARIES

**FNV6**

- 6" (152.4)
- 7-3/4" (196.9)
- 20" (508)
- 5" (127)
- VARIES

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

FINISHED FLOOR

FINISHED FLOOR
Glass Sizes (Visible) and Lite Locations FNV

DOOR TECHNICAL DATA

ASSA ABLOY, the global leader in door opening solutions

April 1, 2002

FNV7

VARIES

FINISHED FLOOR

FNV8

VARIES

FINISHED FLOOR

FNV9

VARIES

FINISHED FLOOR

STANDARD LOCATIONS FOR DOORS 7'2" (2184.4) AND UNDER
Glass Sizes (Visible) and Lite Locations 2FNV

DOOR TECHNICAL DATA

ASSA ABLOY, the global leader in door opening solutions

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

STANDARD LOCATIONS FOR DOORS OVER 7'2" (2184.4)
Glass Sizes (Visible) and Lite Locations 2FNV

DOOR TECHNICAL DATA

ASSA ABLOY, the global leader in door opening solutions

April 1, 2002

* 2FNV4

* 2FNV5

* 2FNV6

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

STANDARD LOCATIONS FOR DOORS 7'2" (2184.4) AND UNDER
Glass Sizes (Visible) and Lite Locations 2FNV
DOOR TECHNICAL DATA

April 1, 2002

ASSA ABLOY, the global leader in door opening solutions

FINISHED FLOOR

* 2FNV4

* 2FNV5

FINISHED FLOOR

* 2FNV6

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

STANDARD LOCATIONS FOR DOORS OVER 7'2"
Glass Sizes (Visible) and Lite Locations HG, HG2

DOOR TECHNICAL DATA

ASSA ABLOY, the global leader in door opening solutions

April 1, 2002

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<tr>
<th>DOOR Width</th>
<th>Visible Width</th>
<th>DOOR Height</th>
<th>Visible Height</th>
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<tr>
<td>2'0&quot; (609.6)</td>
<td>11-13/16&quot; (300)</td>
<td>6&quot; (152.4)</td>
<td>7-3/4&quot; (169.9)</td>
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<td>2'4&quot; (711.2)</td>
<td>15-13/16&quot; (401.6)</td>
<td>6&quot; (152.4)</td>
<td>7-3/4&quot; (169.9)</td>
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<tr>
<td>2'6&quot; (762)</td>
<td>17-13/16&quot; (452.4)</td>
<td>6'8&quot; (2032)</td>
<td>28&quot; (711.2)</td>
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<tr>
<td>2'8&quot; (812.8)</td>
<td>19-13/16&quot; (503.2)</td>
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<td>7-3/4&quot; (169.9)</td>
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<td>2'10&quot; (863.6)</td>
<td>21-13/16&quot; (554)</td>
<td>7&quot; (182.9)</td>
<td>44-1/8&quot; (1120.8)</td>
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<td>3'0&quot; (914.4)</td>
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<td>44-1/8&quot; (1120.8)</td>
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</table>

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

April 1, 2002

ASSA ABLOY, the global leader in door opening solutions

|
| 6” (152.4) | 6” (152.4) | 7-3/4” (169.9) |
| 6” (152.4) | 6” (152.4) | 7-3/4” (169.9) |

HG3

HG4

SEE MUNTIN BAR

FINISHED FLOOR

<table>
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<tr>
<th>DOOR WIDTH</th>
<th>VISIBLE WIDTH</th>
<th>DOOR HEIGHT</th>
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<td>2’0” (609.6)</td>
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<td>3’0” (914.4)</td>
<td>23-13/16” (604.8)</td>
<td>7’0” (2133.6)</td>
<td>10-5/64” (256)</td>
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<td>10-5/64” (256)</td>
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</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. 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

April 1, 2002

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Glass Sizes (Visible) and Lite Locations FG, FGL

DOOR TECHNICAL DATA

April 1, 2002

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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

April 1, 2002

ASSA ABLOY, the global leader in door opening solutions

FINISHED FLOOR

FG2 *

FG3 *

FG4 *

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>
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</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).
**FVL**

- FV = FULL VISION STANDARDS
- L = LOUVER STANDARDS

**Example:**
- 12” X 12” (305 x 305) FULL VISION LITE
- 18” X 12” (457 x 305) LOUVER

**FNVL**

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

**Example:**
- 6” X 36” (152 x 914) NARROW VISION LITE
- 18” X 12” (457 x 305) LOUVER

**Provide cutout only size for louvers**
**HGL**

HG = HALF GLASS STANDARDS
L = LOUVER STANDARDS

**EXAMPLE:** HG L2
WINDOW PANE-HALF GLASS
18" X 12" (457 X 305) LOUVER

PROVIDE CUTOUT ONLY SIZE FOR LOUVERS
Glass Sizes (Visible) and Lite Locations F2NV, 3FNV

DOOR TECHNICAL DATA

April 1, 2002

ASSA ABLOY, the global leader in door opening solutions

F2NV

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>Dimensions</th>
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<tbody>
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<td>FDFV1</td>
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</tr>
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</table>
**Face Type Locations FDFNV, FDHG**

**DOOR TECHNICAL DATA**

ASSA ABLOY, the global leader in door opening solutions

April 1, 2002

**FDFNV**

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

**FDHG**

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

**EXAMPLE:**

**FDFNV**

6” X 36” (152 X 914) NARROW VISION LITE

**FDHG**

(3) WINDOW PANE-HALF GLASS
Face Type Locations FDL, FDFVL

DOOR TECHNICAL DATA

April 1, 2002

ASSA ABLOY, the global leader in door opening solutions

FDL
FD = FLUSH DUTCH
L = LOUVER STANDARDS

EXAMPLE:
FLUSH DUTCH
20” X 12” (508 X 305) LOUVER

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

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
Face Type Locations FDHGL, FDFNVL

ASSA ABLOY, the global leader in door opening solutions

April 1, 2002

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

EXAMPLE:
FLUSH DUTCH
(3) WINDOW PANE-HALF GLASS
18” X 12” (457 X 305) LOUVER

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

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

PROVIDE CUTOUT ONLY SIZE FOR LOUVERS
Door Vision Lite Frame - 1-3/8" Door

DOOR TECHNICAL DATA

April 1, 2002

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

ASSA ABLOY, the global leader in door opening solutions
ASSA ABLOY, the global leader in door opening solutions

DOOR TECHNICAL DATA

October 1, 2002

Window Kit Cutout on Door

ASSA ABLOY, the global leader in door opening solutions

1-5/16" (33.3)

7/8"

7/16"

1-3/4" LARGER THAN VISIBLE

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

3/32"

7/16" 1-5/16"

3/32"

DOOR CUT-OUT

7/8" 3/32"

DOOR

1-3/4" LARGER THAN VISIBLE

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

3/32" 1-5/16"

WINDOW KIT

GLASS SIZE

CUT-OUT

KIT BEYOND CUT-OUT

VISIBLE GLASS

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 1, 2002

ASSA ABLOY, the global leader in door opening solutions

<table>
<thead>
<tr>
<th>FL</th>
<th>F2L</th>
<th>F3L</th>
<th>F4L</th>
<th>12” (304.8) X 12” (304.8)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FL2</td>
<td>F2L2</td>
<td>F3L2</td>
<td>F4L2</td>
<td>18” (457.2) X 12” (304.8)</td>
</tr>
<tr>
<td>FL3</td>
<td>F2L3</td>
<td>F3L3</td>
<td>F4L3</td>
<td>20” (508) X 12” (304.8)</td>
</tr>
<tr>
<td>FL4</td>
<td>F2L4</td>
<td>F3L4</td>
<td>F4L4</td>
<td>24” (609.6) X 12” (304.8)</td>
</tr>
</tbody>
</table>
Louver Cutout on Door

DOOR TECHNICAL DATA

ASSA ABLOY, the global leader in door opening solutions

April 1, 2002

**Louver Cutout Reinforcing (Optional)**

**NOTE:** 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.

CUTOUT SIZE = LOUVER SIZE

MUST BE LABEL APPROVED LOUVER CUTOUT SIZE

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

1-1/2” (38.1)

20 GA. (.91) CHANNEL

5/8” (15.9)
Face Type Locations FP, F2P

DOOR TECHNICAL DATA

April 1, 2002

Transfer Core Type Louver Moulding

<table>
<thead>
<tr>
<th>FP</th>
<th>F2P</th>
<th>1/2” (12.7) DIA.</th>
</tr>
</thead>
<tbody>
<tr>
<td>FP1</td>
<td>F2P1</td>
<td>9/16” (14.3) DIA.</td>
</tr>
</tbody>
</table>
Face Type Locations FMS, HGMS

DOOR TECHNICAL DATA

April 1, 2002

ASSA ABLOY, the global leader in door opening solutions

FMS
FMS = FLUSH MAIL SLOT

HGMS
HG = HALF GLASS STANDARDS
MS = MAIL SLOT

EXAMPLE: HG3MS
(3) WINDOW PANE-HALF GLASS MAIL SLOT
Face Type Locations FVMS, FNVMS

DOOR TECHNICAL DATA

April 1, 2002

ASSA ABLOY, the global leader in door opening solutions

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

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

---

**EXAMPLE:**  
6" X 36" (152 X 914) NARROW VISION LITE
MAIL SLOT
AVAILABLE FOR TYPE 1 AND 3 WITH 3/8" POCKET ONLY.

MUNTIN BAR PART NUMBER: CD002402

MULTIPLE GLASS SIZES MAY VARY SLIGHTLY DUE TO MUNTIN POCKET DEPTH.
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
**TYPICAL 1 & 2**

**TYPE 1** - POCKET SIZE: 3/8" (9.5)  
**TYPE 2** - POCKET SIZE: 5/8" (15.9)  
7/8" (22.3)  
1-1/8" (28.6)

*VARIES WITH POCKET*

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

**STEEL VISION LITE FRAME KITS AND STICK LENGTH PARTS ARE AVAILABLE FOR USE ON 847 SERIES DOORS.**

**NOTE:** ON FIRE LABEL DOORS USE A 6" (152.4) MINIMUM STILE BETWEEN VISIBLE GLASS AREAS AND BETWEEN VISIBLE GLASS AND EDGES OF DOOR.

**CORNER DETAIL WITH CORNER CLIP WELDED IN**
Wide Pocket Glass Moulding

**TYPE 2**

### 1-1/8” POCKET
- 7/16” (11.1)
- 1-1/8” (28.6)
- 7/16” (11.1)
- 11/16” (17.5)
- 1-5/16” (33.3)
- 1-3/4” (44.5) DOOR

### 7/8” POCKET
- 9/16” (14.3)
- 7/8” (22.2)
- 9/16” (14.3)
- 11/16” (17.5)
- 1-5/16” (33.3)
- 1-3/4” (44.5) DOOR

### 5/8” POCKET
- 13/16” (20.6)
- 5/8” (15.9)
- 9/16” (14.3)
- 11/16” (17.5)
- 1-5/16” (33.3)
- 1-3/4” (44.5) DOOR
Concealed Glass Moulding - Type 3

DOOR TECHNICAL DATA

April 1, 2002

L

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

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

3/8" (9.5) POCKET

5/8" (15.9)

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

REMOVABLE MOULDING

MOULDING WELDED

DOOR SKIN

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

* 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

April 1, 2002

ASSA ABLOY, the global leader in door opening solutions

18 GA. (1.2) REMOVABLE MOULDING

THIS SURFACE PUNCHED AND COUNTERSUNK FOR #6–20 OVAL HEAD SCREW.
6" ON CENTER FOR L

5/8" (15.9)

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

ASSA ABLOY, the global leader in door opening solutions
2" DOOR

1/2" (12.7), 5/8" (15.8) OR 3/4" (19) POCKETS

9/16" (14.3) MIN.

5/8" (15.9)

#6 SCREW

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

TYPE 3
CONCEALED MOULDING
18 GA. (1.2)

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

1/2" (12.7) TO 1-1/4" (31.7) POCKETS IN 1/8" (3.2) INCREMENTS

5/8" (15.9)

#6 SCREW

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

TYPE 4
CONCEALED MOULDING
WIDE POCKET
18 GA. (1.2)
CONTINUOUS LOCK CHANNEL

1-1/4" (31.8)
1/8" (3.2) LIP DEPTH

12 GA. (2.6) REINFORCEMENT

3-3/8" (85.7)
4-7/8" (123.8)

40" (1016) TO STANDARD

FINISHED FLOOR

SIZE AND TAP PER ANSI A115.1 AND 115.2
CONTINUOUS LOCK CHANNEL

1-1/4" (31.8)

1/8" (3.2) LIP DEPTH

12 GA. (2.6) REINFORCEMENT

2-3/4" (69.9)

40" (1016) TO D STANDARD

FINISHED FLOOR
CONTINUOUS LOCK CHANNEL

1-1/8" (28.6)

3-1/2" (88.9)

12 GA. (2.6) REINFORCEMENT

SIZE AND TAP PER ANSI A115.5 FOR MORTISE DEADLOCKS

48" (1219) TO STANDARD

FINISHED FLOOR
E4 Strike Preparation in Inactive Leaf

DOOR TECHNICAL DATA

Assa Abloy, the global leader in door opening solutions

April 1, 2002

CONTINUOUS LOCK CHANNEL

1-1/8" (28.6)

12 GA. (2.6) TABS

2-3/4" (69.9)

48" (1219) TO STANDARD

FINISHED FLOOR
Open Back Strike (SOB)

DOOR TECHNICAL DATA

April 1, 2002

ASSA ABLOY, the global leader in door opening solutions
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

PER TEMPLATE

PER TEMPLATE

12 GA. (2.6) REINFORCE AND TAP PER TEMPLATE

FINISHED FLOOR
Steel Stiffened Door Electric Strike (E9)

DOOR TECHNICAL DATA

ASSA ABLOY, the global leader in door opening solutions

April 1, 2002

CONTINUOUS LOCK CHANNEL

FIBERGLASS INSULATION

12 GA. (2.6) TABS

ELECTRIC RACEWAY

PER TEMPLATE

PER TEMPLATE TO ALIGN WITH LOCK

PER TEMPLATE

PER TEMPLATE

FINISHED FLOOR

SIZE AND TAP PER TEMPLATE

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

2" (50.8)

12 GA. (2.6) REINFORCE AND TAP PER TEMPLATE

FLOOR

PER TEMPLATE TO ALIGN WITH LOCK

PER TEMPLATE
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!

STRIKE NOTCH WHEN REQUIRED

1-1/2" (38.1)

GAUGE: 12
STEEL TYPE: CR OR GALVANNEAL

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!

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.
"Z" Astragal Locations and Handing

DOOR TECHNICAL DATA

October 1, 2002

ASSA ABLOY, the global leader in door opening solutions

Gauge: 14
Steel Type: Galvaneal

#6 Oval Head Screws (Also Available Welded)

Reverse Angle:
Hardware Rein. Tabs Formed Integral with Astragal

Door Edge Preparation to Receive Astragal with E1/H1 Prep.

LH Astragal
LHR Astragal (RH)
RHR Astragal (LH)

RH Active
LH Active
LHR Active
RHR Active

Inactive Leaf
Active Leaf

Beveled Astragal
Square Astragal

5/8” Notched to Clear Frame Stop at Head.
CL Standard Closer Reinforcement

DOOR TECHNICAL DATA

October 1, 2002

ASSA ABLOY, the global leader in door opening solutions

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

5-1/4" (133.4)
1" (25.4)
20" (508)

DOOR SERIES
607, 707, 727
737, 747

C2 Optional Closer Reinforcement

12 GAUGE OPTION

DOOR SERIES
707, 727
737, 747
HINGE EDGE

LEGGS 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)
Concealed Holder/Closer Reinforcement

DOOR TECHNICAL DATA

July 1, 2003

ASSA ABLOY, the global leader in door opening solutions

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

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

16 GA. (1.4) TOP CAP

TOP OF DOOR SKIN AND END CHANNEL
ARE CUT AWAY 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.
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

FLOOR

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

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

4-7/32" (107.2)

3-27/64" (86.9)
14 GA. (1.9) CONTINUOUS LOCK CHANNEL

16 GA. (1.4) CYLINDRICAL LOCK REINFORCEMENT

NOTE: LEVER HANDLE LOCKS REQUIRING INDEXING HOLES MUST BE SPECIFIED WHEN ORDERING.

4-7/32" (107.2)

3-27/64" (86.9)

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

2-3/4" (69.9) BACKSET TO \( \phi \) OF DOOR EDGE

FLOOR LINE

SIZE AND TAP PER ANSI 115.2

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

16 GA. (1.4) CYLINDRICAL LOCK REINFORCEMENT

4-7/32" (107.2)

2-1/8" (54)

3-27/64" (86.9)

45˚

5/16" (7.9) TYP.

2-1/4" (57.2)

3-1/4" (82.5) TYP.

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

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

FLOOR LINE

7/16" (11.0) 4 PLS

5/16" (7.9) 2 PLS

SIZE AND TAP PER ANSI 115.2
G2 Govt. 161 Reinf. Cylindrical Lock - 1-3/4" Door

DOOR TECHNICAL DATA

April 1, 2002

ASSA ABLOY, the global leader in door opening solutions

14 GA. (1.9) CONTINUOUS LOCK CHANNEL

16 GA. (1.4) CYLINDRICAL LOCK REINFORCEMENT

16 GA. (1.4) LATCHBOLT GUIDE

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

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
100
857 - G2 Govt. 161 Reinf. Cylindrical Lock
DOOR TECHNICAL DATA
April 1, 2002

ASSA ABLOY, the global leader in door opening solutions

2" DOOR

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)

2-1/4" (57.2)

1-1/8" (28.6)

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

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

FINISHED FLOOR

SIZE AND TAP PER ANSI 115.2
G2A Cylindrical Thru Bolt Preparation - 1-3/4" Door

DOOR TECHNICAL DATA

January, 2008

NOTE: LEVER HANDLE LOCKS REQUIRING INDEXING HOLES MUST BE SPECIFIED WHEN ORDERING.

SIZE AND TAP PER ANSI 115.2

101
102
G2B Cylindrical Thru Bolt Preparation - 1-3/4" Door

DOOR TECHNICAL DATA

April 1, 2002

ASSA ABLOY, the global leader in door opening solutions

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)
5/16" (7.9)
3-1/4" (82.5) TYP.
2-1/8" (54)
2 PLS

3-27/64" (86.9)
45˚
1-1/8" (28.6)
2-3/4" (69.9) BACKSET

7/16" (11)
4 PLS

50" (1016) TO ^ STRIKE ON FRAME (STANDARD)

FINISHED FLOOR

SIZE AND TAP PER ANSI 115.18
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)

4-5/8" (117.5) FLOOR

DOOR FACE AND EDGE PREPARATION CONFORM TO ANSI A115.1

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)
G3A Sectional Trim Mortise Lock Preparation

DOOR TECHNICAL DATA

April 1, 2004

ASSA ABLOY, the global leader in door opening solutions

14 GA. (1.9) CONTINUOUS LOCK CHANNEL

16 GA. (1.4) REINFORCEMENT

LOCK SUPPORT CLIPS

4-5/8" (117.5)

SECTIONAL TRIM FACE PREPARATION PER TEMPLATE.

9.25" (235.0)

SIZE AND TAP EDGE ONLY PER ANSI 115.1

8" (203.2)

3/8" (9.5)

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

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)

1-1/4" (31.8)

FOR 1-3/4" (44.5) DOORS

1-1/16" (27)

FOR 1-3/8" (34.9) DOORS

FLOOR

16 GA. (1.4) REINFORCEMENT

9.25" (235.0)
ASSA ABLOY, the global leader in door opening solutions

G3AEO Edge Only Preparation

DOOR TECHNICAL DATA

April 1, 2002

14 GA. (1.9) CONTINUOUS LOCK CHANNEL

16 GA. (1.4) CHANNEL REINFORCEMENT

CRUSH TABS

LOCK SUPPORT CLIPS

12" (304.8)

4-5/8" (117.5)

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

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 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)

SIZE AND TAP PER ANSI 115.1

FLOOR
DOOR TECHNICAL DATA

April 1, 2002

ASSA ABLOY, the global leader in door opening solutions

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

8" (203.2)

3/8" (9.5)

12" (304.8)

4-3/4" (120.6)

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

FINISHED FLOOR

DOOR EDGE PREPARATION CONFORM TO ANSI A115.1

12-24 TAP

1-1/4" (28.6)

OF PREP.

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

8" (203.2)

3/8" (9.5)

12" (304.8)

4-3/4" (120.6)

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

FINISHED FLOOR

DOOR EDGE PREPARATION CONFORM TO ANSI A115.1

12-24 TAP

1-1/4" (28.6)
14 GA. (1.9) 2 PIECE LOCK CHANNEL

16 GA. (1.4) CHANNEL REINFORCEMENT

PER TEMPLATE

FLOOR

NOTE: SPECIFY HARDWARE MANUFACTURER AND MODEL NUMBER.

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)
14 GA. (1.9) CHANNEL REINFORCEMENT

LOCK SIDE

18" (457.2) (STD)

12" (304.8) (STD)

4-7/8" (123.8) (STD)

4-11/16" (119) (STD)

28" (711.2) (STD)

34" (863.6) (STD)

FINISHED FLOOR

BLANK FACE STANDARD

NOTE:
FACE PREPARATION AND REINFORCEMENT PER TEMPLATE WHEN SPECIFIED.
14 GA. (1.9) CHANNEL REINFORCEMENT

**NOTE:**
TOP AND BOTTOM ROD PREPARATION PER TEMPLATE.

**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.

**NOTE:**
FACE PREPARATION AND REINFORCEMENT PER TEMPLATE WHEN SPECIFIED.
110
110
G12 Mortise Exit Reinforcement

DOOR TECHNICAL DATA

March, 2007

ASSA ABLOY, the global leader in door opening solutions

L

MOUNTING TABS EXTRUDED AND TAPPED TO 12 GA.

14 GA. (1.9) CHANNEL REINFORCEMENT

12" (304.8) (STD)

18" (457.2) (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.

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

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

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

NOTE:
FACE PREPARATION AND REINFORCEMENT PER TEMPLATE WHEN SPECIFIED.
G13B SARGENT Recessed Latch Top and Mortise Lock (LBR)

DOOR TECHNICAL DATA

May 15, 2006

ASSA ABLOY, the global leader in door opening solutions

14 (1.9) GA. REINFORCEMENT

TOP ROD PREPARATION

12 (2.6) GA. REINFORCEMENT

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)

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),
4'0" (1219.2) -5'0" (1524)

*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).
G13 “VON DUPRIN” Recessed Latch Top and Mortise Lock (LBR)

DOOR TECHNICAL DATA

ASSA ABLOY, the global leader in door opening solutions

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

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

<table>
<thead>
<tr>
<th>CUTOUT WIDTH</th>
<th>NOMINAL DOOR WIDTH, W *</th>
</tr>
</thead>
<tbody>
<tr>
<td>24-5/32&quot; (613.6)</td>
<td>2'6&quot; (762.0) ≤ W &lt; 2'10&quot; (863.6)</td>
</tr>
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</tr>
</tbody>
</table>

SECTION A–A

1/4" (6.3) RETURN FORMED IN SKIN
4-1/4" (107.9) REINFORCEMENT
7 (4.5) GA. REINFORCEMENT
16 (1.4) GA. REINFORCEMENT

CL 8-1/2" (215.9)
CL 39-5/8" (1006.4)

FLOOR LINE
G13A “VON DUPRIN” Recessed Vertical Rod Exit Device

DOOR TECHNICAL DATA

April 1, 2004

ASSA ABLOY, the global leader in door opening solutions

ASSA ABLOY, the global leader in door opening solutions

SECTION A–A

7 GA. (4.5) REINFORCEMENT

16 (1.4) GA. REINFORCEMENT

1/4" (6.3) RETURN FORMED IN SKIN

CUTOUT WIDTH

24-5/32" (613.6) ≤ W < 2'10" (863.6)

30-5/32" (765.9) ≤ 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.

* 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
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)

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

2-3/4" (69.9) BACKSET

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

SIZE AND TAP PER TEMPLATE

FLOOR
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

4" (101.2) MIN.

2-1/4" (57.2)

1-1/8" (28.6)

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

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

1-1/8" (28.6)

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

FINISHED FLOOR
117 Mortise Deadlock Preparation

DOOR TECHNICAL DATA

April 1, 2002

ASSA ABLOY, the global leader in door opening solutions
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.
119

G18 Push Pull Reinforcement

DOOR TECHNICAL DATA

April 1, 2002

ASSA ABLOY, the global leader in door opening solutions

14 GA. (1.9) CHANNEL REINFORCEMENT

25" (635)

4-5/8" (117.5)

33" (838.2)

FLOOR LINE
120
Flush Bolt Preparation (H1)

DOOR TECHNICAL DATA

July, 2006

L

1-1/16" (25.46)

13/16" (.81)

(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

12 GA. (2.6)
REINFORCING

6-3/4" (171.5)

SIZE AND TAP PER ANSI 115.4
857 - H1 ANSI Mortise Flush Bolt Preparation

DOOR TECHNICAL DATA

April 1, 2002

ASSA ABLOY, the global leader in door opening solutions

2" DOOR

(H1)
12" (304.8) FROM TOP/BOTTOM OF DOOR

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

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

12 GA. (2.6) REINFORCING

6-3/4" (171.5)

2" (50.8)

1" (25.4)

SIZE AND TAP PER ANSI 115.4
122
(SB) Surface Bolt Reinforcement

DOOR TECHNICAL DATA

April 1, 2002

ASSA ABLOY, the global leader in door opening solutions

14 GA. (1.9)
CHANNEL REINFORCEMENT

7/8"
(22.2)

12"
(304.8)

4-13/16"
(122.2)

14 GA. (1.9)
CHANNEL REINFORCEMENT

7/8"
(22.2)

12"
(304.8)

4-13/16"
(122.2)
NOTE: FOOD PASS LOCATION MUST CLEAR LOCK PREPARATION REINFORCEMENT

12 GA. (2.6) AROUND OPENING CHANNELS

SIZED PER ORDER

27" (685.8) STANDARD

12 GA. (2.6) CHANNEL REINFORCEMENT

FINISHED FLOOR

2" (50.8)
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.
20 (.91), 18 (1.2) or 16 (1.4) gauge galvanneal steel with .005" deep oak wood grain embossment. (A1 code).

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

4080 (1219 x 2438) max. door size.

Type 1 and Type 2 window kits available.

**CURRIStain Finish Colors**
- Natural  Cocoa
- Wheat     Cabernet
- Cashew    Java

“h” astragal 18 (1.2) 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. 80 (2438) maximum height will fit both beveled edge and square edge doors.
StormPro® 361 Door Construction

DOOR TECHNICAL DATA

January, 2007

ASSA ABLOY, the global leader in door opening solutions

- 12 GA. (2.6) CLOSER REINFORCEMENT
- 14 GA. (1.9) TOP FLUSH END CHANNEL
- HONEYCOMB CORE
- LIMITED LOCK PREPARATIONS AVAILABLE - CONTACT FACTORY REINFORCEMENT PROPRIETARY
- 16 GA. (1.4) FACE SKINS GALVANNEALED
- SQUARE HINGE EDGE BEVEL 1/8 ON 2 LOCK EDGE
- OFFSET EDGE SEAM
- 16 GA. (1.4) BOTTOM END CHANNEL
- 5/8" (15.8) BOTTOM UNDERCUT
Glass Moulding Type 7

* POCKET SIZE 3/8" (9.5), 1/2" (12.7), 5/8" (15.9), 1-3/4" (44.45) DOORS or 2" (50.8) doors

14 GA.

Glass Moulding Type 8

* POCKET SIZE 3/8" (9.5), THROUGH 1-5/8" (41.3) 1-3/4" (44.5) DOORS or 2" (50.8) doors

14 GA.
128
G13C "VON DUPRIN" Recessed Vertical Rod Exit Device (LBR)

DOOR TECHNICAL DATA

June 1, 2004

ASSA ABLOY, the global leader in door opening solutions

7 (4.5) GA. REINFORCEMENT

TOP ROD PREPARATION

SECTION A–A

7 GA. (4.5) REINFORCEMENT

4-1/4" (107.9)

16 (1.4)GA. REINFORCEMENT

1/4" (6.3) RETURN FORMED IN SKIN

NOMINAL

DOOR WIDTH, W *

24-5/32" (613.6) 2'6" (762.0) ≤ W < 2'10" (863.6)

30-5/32" (765.9) 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.

* 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
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 15 CONDUCTORS OF 22 GA. WIRE IN A PVC JACKET, WITH ELECTROLYNX CONNECTORS ON THE HARDWARE PREP END ONLY.

AVAILABLE IN THESE CURRIES DOOR SERIES
707 757
727 847
737 857
747

CAUTION IS RECOMMENDED WHEN INSTALLING SURFACE APPLIED HARDWARE IN AREAS HOLDING SYSTEM WIRING.

VERIFY CABLE LOCATION BEFORE MODIFYING DOOR OR SURFACE APPLICATION OF HARDWARE.

HARDWARE LOCATION

12" (304.8)

3/4" (19) *

2" (50.8) *

6" (152.4)

FULL GLASS & STEEL RIBBED DOOR ROUTE

CABLE ROUTING AREA

EXCESS CABLE AREA

VERIFY CABLE LOCATION BEFORE MODIFYING DOOR OR SURFACE APPLICATION OF HARDWARE.

* 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.
**18 GA. AND 20 GA. GALVANNEALED**

- **VARIES EQUAL (W>2'10")**
  - NET WIDTH - 28-1/2" (2'8"≤W≤2'10")
  - 4-7/8" FRAME
  - 1/8" 6-1/2" 7-1/8" 4-1/2" 25-1/2" 6-1/2" 21-1/2" 11-1/2" (7'0" NOMINAL DOOR HEIGHT)
  - 7-1/2" (6'8" NOMINAL DOOR HEIGHT)
  - 4" MINIMUM

- **VARIES EQUAL W>2'10")**
  - 5-3/8" (2'8"≤W≤2'10")

**NOTE:** 3/4 BOTTOM UNDERCUT (MINIMUM) ON CURRISTAIN EMBOSSED PANEL DOORS.
E6HGS - CURRIStain Six Panel Half Glass

DOOR TECHNICAL DATA

August 1, 2005

ASSA ABLOY, the global leader in door opening solutions

18 GA. GALVANNEALED

VARIATES EQUAL (W>2'10")
NET WIDTH - 27-3/16" (2'8"<W<2'10")

20-1/2" FRAME

VARIES EQUAL (W>2'10")
6-11/16" (2'8"<W<2'10")

1/8" 7-13/16"

34-1/2"

21-1/2"

11-1/2" (7'0" NOMINAL DOOR HEIGHT)
7-1/2" (6'8" NOMINAL DOOR HEIGHT)
4" MINIMUM

3/4" STANDARD (MINIMUM)

NOTE: 3/4 BOTTOM UNDERCUT (MINIMUM) ON CURRISTAIN EMBOSSED PANEL DOORS

FINISHED FLOOR

Hinge Side

6'8" TO 7'0" NOMINAL DOOR HEIGHT

2'8" - 3'0" NOMINAL DOOR WIDTH
• 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
**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

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**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.
FEMA 320 DOOR AND FRAME ASSEMBLY

DESIGN PRESSURE 1.37 PSI 197.5 PSF

- FLUSH DOORS ONLY, HANDED “A” BEVEL
- SINGLE OPENING 3070 MAXIMUM
- 747 SERIES 14 GAUGE STEEL
- T WELDED SEAMLESS EDGES
- WELDED FLUSH TOP CAP

HARDWARE REQUIRED

1-1/2 PR. 4-1/2 X 4-1/2 .180 STAINLESS STEEL HINGES (MCKINNEY)
1 - SARGENT 10 LINE LOCK WITH 808 STRIKE (STAINLESS)
3 - MEDECO MAXUM DEADBOLTS (COMMERCIAL)
FEMA 320 DOOR AND FRAME ASSEMBLY

SINGLE OPENING 3070 MAXIMUM
MASONRY FLUSH PROFILE 14 GAUGE STEEL
KD OR SEAM WELDED CORNERS
JAMB DEPTHS 5-3/4" THROUGH 14"
4" FACE HEAD OPTION

ANCHORS
MASONRY T - 5 PER JAMB PLUS 2 WPS IN THE HEAD.
LOCATE T ANCHORS AT 1ST, 3RD, 5TH, 7TH AND 9TH COURSE OR WELDED PIPE SPACER 5 PER JAMB 2 PER HEAD.

OPTION: 3/8 X 5" RAMSET HEAD IN MASONRY
3/8 X 5" LAGBOLTS IN WOOD

HARDWARE REQUIRED
1-1/2 PR. 4-1/2 X 4-1/2 .180 STAINLESS STEEL HINGES (MCKINNEY)
1 SARGENT 10 LINE LOCK WITH 808 STRIKE (STAINLESS)
3 MEDECO MAXUM DEADBOLTS (COMMERCIAL)

* STRIKE PREPARATION FOR MEDECO MAXUM DEADBOLT.
NO STRIKE REQUIRED.
PREPARATION IS COMPLETE IN FRAME INCLUDING COVERBOX.